



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2555605

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Table of Contents

New York ASP Category B Data Deliverable Package.....	1
Table of Contents	2
Sample ID Cross Reference	11
SDG Narrative	12
Data Qualifier Definitions	15
Instrument Information	18
Sample Log-in Sheet	21
Lims COC (LN01)	22
External Chain of Custody	26
Organics Analysis	28
GCMS 8260 Analysis	29
Volatiles QC Summary	30
Form 2 - Organics	31
Form 3 - Organics	32
Form 4 - Organics	39
Form 5 - Organics	41
Form 8 - Organics	45
MDL Study - Volatile Organics 8260	47
Volatiles Sample Data	49
Form 1 - Organics	50
MW-12S (L2555605-06) Analyzed: 09/10/25 22:53	83
MW-4S (L2555605-07) Analyzed: 09/10/25 23:17	88
MW-4D2 (L2555605-08) Analyzed: 09/10/25 23:42	95
TRIP BLANK (L2555605-09) Analyzed: 09/11/25 00:06	102
MW-8S (L2555605-01) Analyzed: 09/11/25 09:25	106
MW-8D (L2555605-02) Analyzed: 09/11/25 09:51	111
MW-5D (L2555605-03) Analyzed: 09/11/25 10:16	118
PZ-5 (L2555605-04) Analyzed: 09/11/25 10:42	130
MW-12D (L2555605-05) Analyzed: 09/11/25 11:07	134
Volatile Standards Data	143
Initial Calibration	144
Form 6 - Organics	145
ICAL for ELAINE on 08/11/25 ICAL22535	151
Initial Calibration Summary - Cal Date: 08/11/25 00:00	151
BFB TUNE Injected on: 08/08/25 00:28	155
STD0.19PPB Injected on: 08/08/25 02:00	156
STD0.5PPB Injected on: 08/08/25 02:48	162
STD2PPB Injected on: 08/08/25 03:36	173
STD10PPB Injected on: 08/08/25 04:24	183
STD30PPB Injected on: 08/08/25 04:48	191
STD80PPB Injected on: 08/08/25 05:12	199
STD120PPB Injected on: 08/08/25 05:36	208
STD200PPB Injected on: 08/08/25 06:00	217
ICV Summary Form Injected on: 08/08/25 08:00	226
ICV Quant Report Injected on: 08/08/25 08:00	229
Correlation Data Summary	237
ICAL for VOA105 on 08/17/25 ICAL22558	238
Initial Calibration Summary - Cal Date: 08/17/25 00:00	238
BFB TUNE Injected on: 08/16/25 11:14	242
STD0.19PPB Injected on: 08/16/25 12:48	243

Table of Contents

STD0.5PPB Injected on: 08/16/25 13:14	246
STD2PPB Injected on: 08/16/25 14:05	255
STD10PPB Injected on: 08/16/25 14:56	266
STD30PPB Injected on: 08/16/25 15:22	274
STD80PPB Injected on: 08/16/25 15:47	282
STD120PPB Injected on: 08/16/25 16:13	291
STD200PPB Injected on: 08/16/25 16:38	299
ICV Summary Form Injected on: 08/16/25 18:46	307
ICV Quant Report Injected on: 08/16/25 18:46	310
Correlation Data Summary	320
Continuing Calibration	321
Form 7 - Organics	322
CC Summary - ELAINE Run: 09/10/25 21:17	328
CC Quant - WG2113365-2 ELAINE Run: 09/10/25 21:17	331
CC Summary - VOA105 Run: 09/11/25 07:18	338
CC Quant - WG2113542-2 VOA105 Run: 09/11/25 07:18	341
bfb tune - Inst. ELAINE 09/10/25 20:53	350
bfb tune - Inst. VOA105 09/11/25 07:04	351
Volatiles Raw QC Data	352
Laboratory Method BI (WG2113365-5) Analyzed: 09/10/25 22:29	353
Laboratory Method BI (WG2113542-5) Analyzed: 09/11/25 09:00	358
Laboratory Control S (WG2113365-3) Analyzed: 09/10/25 21:17	362
Laboratory Control S (WG2113542-3) Analyzed: 09/11/25 07:18	417
LCS Duplicate (WG2113365-4) Analyzed: 09/10/25 21:41	471
LCS Duplicate (WG2113542-4) Analyzed: 09/11/25 07:44	526
Matrix Spike (WG2113542-6) Analyzed: 09/11/25 11:32	580
Matrix Spike Duplica (WG2113542-7) Analyzed: 09/11/25 11:58	636
Volatiles Calculations	692
QC Batch WG2113365	693
QC Batch WG2113542	694
ICAL Sequence for ELAINE on 11-AUG-2025 00:00 ICAL22535	695
ICAL Sequence for VOA105 on 17-AUG-2025 00:00 ICAL22558	696
Instrument ELAINE Run Date 09/10/25 Run ID R2009300	697
Instrument VOA105 Run Date 09/11/25 Run ID R2009550	698
Semivolatiles Data - Method 8270	699
Semivolatiles QC Summary	700
Form 3 - Organics	701
Form 2 - Organics	705
Form 4 - Organics	706
Form 5 - Organics	707
Form 8 - Organics	710
MDL Study - ABN Extractables	712
Semivolatiles Sample Data	714
Form 1 - Organics	715
MW-8S (L2555605-01) Analyzed: 09/06/25 15:17	733
MW-8D (L2555605-02) Analyzed: 09/06/25 15:39	738
MW-5D (L2555605-03) Analyzed: 09/06/25 16:00	743
PZ-5 (L2555605-04) Analyzed: 09/06/25 16:22	748
MW-12D (L2555605-05) Analyzed: 09/06/25 16:43	753
MW-12S (L2555605-06) Analyzed: 09/06/25 17:04	758

Table of Contents

MW-4S (L2555605-07) Analyzed: 09/06/25 17:26	763
MW-4D2 (L2555605-08) Analyzed: 09/06/25 17:47	768
Semivolatiles Standards Data	773
Initial Calibration	774
Form 6 - Organics	775
ICAL for SV106 on 08/28/25 ICAL22591	779
Initial Calibration Summary - Cal Date: 08/28/25 00:00	779
Tune Injected on: 08/27/25 19:04	784
Deg Injected on: 08/27/25 19:04	785
Tailing Factor Injected on: 08/27/25 19:04	786
ABNL9 Injected on: 08/27/25 20:12	788
ABNL8 Injected on: 08/27/25 20:33	796
ABNL7 Injected on: 08/27/25 21:03	802
ABNL6 Injected on: 08/27/25 21:24	807
ABNL5 Injected on: 08/27/25 21:46	812
ABNL4 Injected on: 08/27/25 22:07	818
ABNL3 Injected on: 08/27/25 22:28	824
ABNL2 Injected on: 08/27/25 22:50	832
ABNL1 Injected on: 08/27/25 23:11	840
ABN ICV Summary Form Injected on: 08/27/25 23:33	853
ABN ICV Quant Report Injected on: 08/27/25 23:33	856
Tune Injected on: 08/27/25 23:54	939
Deg Injected on: 08/27/25 23:54	940
Tailing Factor Injected on: 08/27/25 23:54	941
AP9L9 Injected on: 08/28/25 00:16	943
AP9L8 Injected on: 08/28/25 00:37	946
AP9L7 Injected on: 08/28/25 00:58	949
AP9L6 Injected on: 08/28/25 01:20	952
AP9L5 Injected on: 08/28/25 01:41	955
AP9L4 Injected on: 08/28/25 02:03	958
AP9L3 Injected on: 08/28/25 02:24	961
AP9L2 Injected on: 08/28/25 02:45	964
AP9L1 Injected on: 08/28/25 03:07	968
ADPL9 Injected on: 08/28/25 03:28	972
ADPL8 Injected on: 08/28/25 03:50	975
ADPL7 Injected on: 08/28/25 04:11	978
ADPL6 Injected on: 08/28/25 04:32	981
ADPL5 Injected on: 08/28/25 04:54	984
ADPL4 Injected on: 08/28/25 05:15	987
ADPL3 Injected on: 08/28/25 05:36	990
ADPL2 Injected on: 08/28/25 05:58	993
ADPL1 Injected on: 08/28/25 06:19	996
AP9 ICV Summary Form Injected on: 08/28/25 06:40	999
AP9 ICV Quant Rep Injected on: 08/28/25 06:40	1000
ADP ICV Summary Form Injected on: 08/28/25 07:02	1017
ADP ICV Quant Report Injected on: 08/28/25 07:02	1018
/ops/reports/WG25/WG2108428/RelativeError.pdf	1027
Continuing Calibration	1028
Form 7 - Organics	1029
CC Summary - SV106 Run: 09/06/25 07:22	1034

Table of Contents

CC Quant - WG2111447-3 SV106 Run: 09/06/25 07:22	1037
CC Summary - SV106 Run: 09/06/25 07:44	1119
CC Quant - WG2111447-4 SV106 Run: 09/06/25 07:44	1120
CC Summary - SV106 Run: 09/06/25 08:06	1137
CC Quant - WG2111447-5 SV106 Run: 09/06/25 08:06	1138
DEG Quant for SV106 injected on 09/06/25 07:01	1147
dftpp tune - Inst. SV106 09/06/25 07:01	1148
Tailing factor report for SV106 injected on 09/06/25 07:01	1149
Semivolatiles Raw QC Summary	1151
Laboratory Method BI (WG2111386-1) Analyzed: 09/06/25 11:00	1152
Laboratory Control S (WG2111386-2) Analyzed: 09/06/25 11:22	1157
LCS Duplicate (WG2111386-3) Analyzed: 09/06/25 11:43	1205
Matrix Spike (WG2111386-4) Analyzed: 09/06/25 12:04	1252
Matrix Spike Duplica (WG2111386-5) Analyzed: 09/06/25 12:26	1300
Semivolatiles Calculations	1348
QC Batch WG2111386	1349
ICAL Sequence for SV106 on 28-AUG-2025 00:00 ICAL22591	1350
Instrument SV106 Run Date 09/06/25 Run ID R2007506	1351
Organic ELN-Workgroup:WG2111386	1352
Semivolatiles Data - Method 8270D-SIM	1355
Semivolatiles QC Summary	1356
Form 2 - Organics	1357
Form 3 - Organics	1358
Form 4 - Organics	1361
Form 5 - Organics	1362
Form 8 - Organics	1365
MDL Study - 8270 Low Level PAH	1369
Semivolatiles Sample Data	1370
Form 1 - Organics	1371
MW-8S (L2555605-01) Analyzed: 09/09/25 18:59	1389
MW-5D (L2555605-03) Analyzed: 09/09/25 19:33	1393
PZ-5 (L2555605-04) Analyzed: 09/09/25 21:49	1397
MW-12D (L2555605-05) Analyzed: 09/09/25 22:06	1402
MW-12S (L2555605-06) Analyzed: 09/09/25 22:23	1406
MW-4S (L2555605-07) Analyzed: 09/09/25 22:39	1410
MW-4D2 (L2555605-08) Analyzed: 09/09/25 22:56	1414
MW-8D (L2555605-02) Analyzed: 09/09/25 23:13	1419
Semivolatiles Standards Data	1423
Initial Calibration	1424
Form 6 - Organics	1425
ICAL for SV125 on 09/09/25 ICAL22616	1427
Initial Calibration Summary - Cal Date: 09/09/25 00:00	1427
Tune Injected on: 09/08/25 18:17	1428
Deg Injected on: 09/08/25 18:17	1429
Tailing Factor Injected on: 09/08/25 18:17	1430
IL10 Injected on: 09/08/25 19:01	1432
IL9 Injected on: 09/08/25 19:17	1453
IL8 Injected on: 09/08/25 19:34	1459
IL7 Injected on: 09/08/25 19:51	1463
IL6 Injected on: 09/08/25 20:07	1468

Table of Contents

IL5 Injected on: 09/08/25 20:24	1473
IL4 Injected on: 09/08/25 20:41	1481
IL3 Injected on: 09/08/25 20:58	1491
IL2 Injected on: 09/08/25 21:14	1500
IL1 Injected on: 09/08/25 21:31	1509
ICV Summary Form Injected on: 09/08/25 21:48	1513
ICV Quant Report Injected on: 09/08/25 21:48	1515
Relative Error	1551
Continuing Calibration	1552
Form 7 - Organics	1553
CC Summary - SV125 Run: 09/09/25 09:20	1557
CC Quant - WG2112407-3 SV125 Run: 09/09/25 09:20	1559
DEG Quant for SV125 injected on 09/09/25 08:28	1595
dftpp tune - Inst. SV125 09/09/25 08:28	1596
Tailing factor report for SV125 injected on 09/09/25 08:28	1597
Form 7 - Organics	1599
CC Summary - SV125 Run: 09/09/25 21:15	1603
CC Quant - WG2112655-3 SV125 Run: 09/09/25 21:15	1605
DEG Quant for SV125 injected on 09/09/25 20:58	1652
dftpp tune - Inst. SV125 09/09/25 20:58	1653
Tailing factor report for SV125 injected on 09/09/25 20:58	1654
Semivolatiles Raw QC Summary	1656
Laboratory Method BI (WG2111387-1) Analyzed: 09/09/25 18:42	1657
Laboratory Control S (WG2111387-2) Analyzed: 09/09/25 18:09	1661
LCS Duplicate (WG2111387-3) Analyzed: 09/09/25 18:25	1697
Matrix Spike (WG2111387-4) Analyzed: 09/09/25 23:30	1725
Matrix Spike Duplica (WG2111387-5) Analyzed: 09/09/25 23:47	1752
Semivolatiles Calculations	1779
QC Batch WG2111387	1780
ICAL Sequence for SV125 on 09-SEP-2025 00:00 ICAL22616	1781
Instrument SV125 Run Date 09/09/25 Run ID R2008552	1782
Instrument SV125 Run Date 09/09/25 Run ID R2008926	1783
Organic ELN-Workgroup:WG2111387	1785
Metals Analysis	1788
Inorganic Data (ICP Analysis)	1789
Form 1 - Inorganics	1790
Form 2A - Inorganics	1821
Form 3 - Inorganics	1845
Form 4A - Inorganics	1865
Form 5A - Inorganics	1871
Form 6 - Inorganics	1876
Form 7 - Inorganics	1878
Form 8 - Inorganics	1883
Form 10 - Inorganics	1885
Form 11 - Inorganics	1904
Form 12 - Inorganics	1905
Form 13 - Inorganics	1911
MDL Study - Metals by ICP	1921
Run Date 09/08/25 Run ID R2008018	1923
Run Date 09/10/25 Run ID R2009157	2026

Table of Contents

Run Date 09/11/25 Run ID R2009459	2220
Run Date 09/11/25 Run ID R2009512	2387
Run Date 09/11/25 Run ID R2009414	2433
ICP True Value Summary Form	2681
ICP Calculations	2704
Instrument TRACE5 Run Date 09/08/25 Run ID R2008018	2705
Instrument TRACE9 Run Date 09/10/25 Run ID R2009157	2707
Instrument TRACE8 Run Date 09/11/25 Run ID R2009459	2710
Instrument TRACE4 Run Date 09/11/25 Run ID R2009512	2713
Instrument TRACE11 Run Date 09/11/25 Run ID R2009414	2714
Metals ELN-Workgroup:WG2111346	2718
Metals ELN-Workgroup:WG2112034	2720
Metals ELN-Workgroup:WG2111288	2723
Inorganic Data (Mercury Analysis)	2726
Form 1 - Inorganics	2727
Form 2A - Inorganics	2748
Form 3 - Inorganics	2757
Form 5A - Inorganics	2766
Form 6 - Inorganics	2771
Form 7 - Inorganics	2773
Form 12 - Inorganics	2776
Form 13 - Inorganics	2779
MDL Study - Mercury by 245.1	2783
MDL Study - Mercury by 7470A	2784
MDL Study - Mercury by 7471B	2785
Run Date 09/07/25 Run ID R2007754	2786
Run Date 09/09/25 Run ID R2008441	2791
Run Date 09/11/25 Run ID R2009684	2797
Hg True Value Summary Form	2801
HG Calculations	2823
Instrument NIC2 Run Date 09/07/25 Run ID R2007754	2825
Instrument NIC1 Run Date 09/09/25 Run ID R2008441	2829
Instrument NIC1 Run Date 09/11/25 Run ID R2009684	2833
Metals ELN-Workgroup:WG2112141	2836
Metals ELN-Workgroup:WG2111347	2839
Metals ELN-Workgroup:WG2112038	2841
Wet Chemistry Analysis	2844
Total Nitrogen Calculation	2845
Results	2846
Form 1 - Inorganics	2847
Sample Raw Data	2855
Wet Chemistry Raw Data	2856
Total Nitrogen Calculations	2857
TKN Analysis	2858
Results	2859
Form 1 - Inorganics	2860
Sample Raw Data	2870
Wet Chemistry Raw Data	2871
WG2112586_rawdata	2871
WG2112581_rawdata	2871

Table of Contents

WG2112756_rawdata	2871
250910_NH3TKN_rawdataA	2871
250910_NH3TKN_rawdataB	2874
250910_NH3TKN_rawdataC	2876
250910_NH3TKN_rawdataC1	2878
250910_NH3TKN_rawdataD	2880
250910_NH3TKN_rawdataE	2882
Quality Control	2884
Form 5A - Inorganics	2885
Form 6 - Inorganics	2886
Form 7 - Inorganics	2887
MDL Study - Total Kjeldahl Nitrogen	2888
TKN Calculations	2890
Sequence Logs	2891
Instrument LACHAT Run Date 09/10/25 Run ID R2009014	2892
Sample Preparation	2895
Prep Log	2896
Nitrate-Nitrite Analysis	2897
Results	2898
Form 1 - Inorganics	2899
Sample Raw Data	2930
Wet Chemistry Raw Data	2931
250906_rawdataA	2931
250906_rawdataB	2958
Wet Chemistry Raw Data	2969
250906_rawdataA	2969
250906_rawdataB	2996
Wet Chemistry Raw Data	3007
250906_rawdataA	3007
250906_rawdataB	3034
Quality Control	3045
Form 5A - Inorganics	3046
Form 6 - Inorganics	3050
Form 7 - Inorganics	3054
MDL Study - Nitrate and Nitrite	3057
Nitrate Nitrite Calculations	3059
Sequence Logs	3060
Instrument FIA1 Run Date 09/06/25 Run ID R2007516	3061
250906_seqA	3061
250906_seqB	3065
Instrument FIA1 Run Date 09/06/25 Run ID R2007520	3067
250906_seqA	3067
250906_seqB	3071
Instrument FIA1 Run Date 09/06/25 Run ID R2007522	3073
250906_seqA	3073
250906_seqB	3077
Total Dissolved Solids Analysis	3079
Results	3080
Form 1 - Inorganics	3081
Sample Raw Data	3092

Table of Contents

Wet Chemistry Raw Data	3093
Quality Control	3095
Form 6 - Inorganics	3096
Form 7 - Inorganics	3098
MDL Study - Total Dissolved Solids	3099
TDS Calculations	3100
Sulfate Analysis	3101
Results	3102
Form 1 - Inorganics	3103
Sample Raw Data	3115
Wet Chemistry Raw Data	3116
Quality Control	3118
Form 5A - Inorganics	3119
Form 6 - Inorganics	3121
Form 7 - Inorganics	3123
MDL Study - Sulfate	3125
Sulfate Calculations	3127
Alkalinity Analysis	3128
Results	3129
Form 1 - Inorganics	3130
Sample Raw Data	3141
Wet Chemistry Raw Data	3142
250909_cal	3142
250909_ics	3144
250909_alk2	3145
Quality Control	3160
Form 6 - Inorganics	3161
MDL Study - Alkalinity	3163
Alkalinity Calculations	3164
Sequence Logs	3165
Instrument TITR5 Run Date 09/09/25 Run ID R2008397	3166
Chloride Analysis	3168
Results	3169
Form 1 - Inorganics	3170
Sample Raw Data	3181
Wet Chemistry Raw Data	3182
250908_Chloride_rawdata	3182
250908_Chloride_rawdata1	3194
250908_Chloride_rawdata2	3197
Quality Control	3199
Form 5A - Inorganics	3200
Form 6 - Inorganics	3202
Form 7 - Inorganics	3204
MDL Study - Chloride	3205
Chloride Calculations	3207
Sequence Logs	3208
Instrument LACHAT Run Date 09/08/25 Run ID R2008153	3209
Fluoride Analysis	3210
Results	3211
Form 1 - Inorganics	3212

Table of Contents

Sample Raw Data	3222
Wet Chemistry Raw Data	3223
Quality Control	3224
Form 5A - Inorganics	3225
Form 6 - Inorganics	3226
Form 7 - Inorganics	3227
MDL Study - Fluoride	3228
Fluoride Calculations	3230
Sample Preparation	3231
Prep Log	3232
Phosphates Analysis	3234
Results	3235
Form 1 - Inorganics	3236
Sample Raw Data	3247
Wet Chemistry Raw Data	3248
Quality Control	3250
Form 5A - Inorganics	3251
Form 6 - Inorganics	3253
Form 7 - Inorganics	3255
MDL Study - Total Phosphorus	3256
MDL Study - Orthophosphate	3258
Total Phosphorus Calculation	3260
Total Suspended Solids Analysis	3261
Results	3262
Form 1 - Inorganics	3263
Sample Raw Data	3274
Wet Chemistry Raw Data	3275
Quality Control	3277
Form 6 - Inorganics	3278
Form 7 - Inorganics	3280
MDL Study - Total Suspended Solids	3281
TSS Calculations	3282
Wet Chemistry By IC Methods	3283
Results	3284
Form 1 - Inorganics	3285
Sample Raw Data	3294
Wet Chemistry Raw Data	3295
Quality Control	3373
Form 5A - Inorganics	3374
Form 7 - Inorganics	3375
MDL Study - Ion Chromatography	3376
IC Calculations	3377
Alpha Analytical Report	3378
Subcontracted Data Documents	3378
Subcontracted Data	3379
Subcontracted Data Deliverable Package	3425

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555605
Report Date: 09/22/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2555605-01	MW-8S	WATER	416 MILLER PLACE-YAPHANK RD.	09/04/25 09:38	09/04/25
L2555605-02	MW-8D	WATER	416 MILLER PLACE-YAPHANK RD.	09/04/25 08:45	09/04/25
L2555605-03	MW-5D	WATER	416 MILLER PLACE-YAPHANK RD.	09/04/25 10:50	09/04/25
L2555605-04	PZ-5	WATER	416 MILLER PLACE-YAPHANK RD.	09/04/25 11:00	09/04/25
L2555605-05	MW-12D	WATER	416 MILLER PLACE-YAPHANK RD.	09/04/25 12:12	09/04/25
L2555605-06	MW-12S	WATER	416 MILLER PLACE-YAPHANK RD.	09/04/25 12:15	09/04/25
L2555605-07	MW-4S	WATER	416 MILLER PLACE-YAPHANK RD.	09/04/25 13:30	09/04/25
L2555605-08	MW-4D2	WATER	416 MILLER PLACE-YAPHANK RD.	09/04/25 13:40	09/04/25
L2555605-09	TRIP BLANK	TRIP BLANK (AQUEOUS)	416 MILLER PLACE-YAPHANK RD.	09/04/25 00:00	09/04/25

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555605
Report Date: 09/22/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555605
Report Date: 09/22/25

Case Narrative (continued)

Report Submission

September 22, 2025: This final report includes the results of all requested analyses.

September 15, 2025: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The analyses of Ammonium, Iodide, and Sulfide were subcontracted. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Sample Receipt

L2555605-02: Headspace was noted in one of the sample containers submitted for Carbonate Alkalinity - SM 2320 and Bicarbonate Alkalinity - SM 2320.

L2555605-03: Headspace was noted in the sample container submitted for Carbonate Alkalinity - SM 2320 and Bicarbonate Alkalinity - SM 2320.

Solids, Total Suspended

L2555605-02 and -04 through -08: The sample has an elevated detection limit due to limited sample volume available for analysis.

Nitrogen, Total Kjeldahl

The WG2112744-4 MS recovery performed on L2555605-02 is outside the acceptance criteria for nitrogen, total kjeldahl (0%); however, the associated LCS recovery is within criteria. No further action was taken.

Solids, Total Dissolved

The WG2111797-3 Laboratory Duplicate RPD performed on L2555605-01 is outside the acceptance criteria for solids, total dissolved (25%) due to the non-homogeneous nature of the native sample.



Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555605
Report Date: 09/22/25

Case Narrative (continued)

The WG2111797-4 Laboratory Duplicate RPD performed on L2555605-02 is outside the acceptance criteria for solids, total dissolved (15%) due to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Report Date: 09/22/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555605
Report Date: 09/22/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenzo(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555605
Report Date: 09/22/25

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.
- ND or U** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm



Sample Delivery Group Summary

Pace Job Number : L2555605

Received : 04-SEP-2025

Reviewer : Samira Sampaio

Account Name : Roux Env. Eng. & Geology, DPC

Project Number : 2232.0006Y005

Project Name : CORAM MATERIALS

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.2	
B	Absent/	Ice	5.1	
C	Absent/	Ice	2.6	

Condition Information

- | | |
|--|-----|
| 1) All samples on COC received? | YES |
| 2) Extra samples received? | NO |
| 3) Are there any sample container discrepancies? | NO |
| 4) Are there any discrepancies between COC & sample labels? | NO |
| 5) Are samples in appropriate containers for requested analysis? | YES |
| 6) Are samples properly preserved for requested analysis?
Following containers were received with headspace: -02H, -03H | NO |
| 7) Are samples within holding time for requested analysis? | YES |
| 8) All sampling equipment returned? | NA |

Volatile Organics/VPH

- | | |
|--|----|
| 1) Reagent Water Vials Frozen by Client? | NO |
|--|----|

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Oct 15 2025, 12:24 pm

Login Number: L2555605

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 04SEP25 Due Date: 22SEP25

Mat PR Collected

Sample # Client ID

L2555605-01 MW-8S	1 S0 04SEP25 09:38
884189752075 \$80.15 USD Galbraith, TN 884190766502 \$40.81 USD Pace, IN TSS: Limited volume NYTCL-8260: Report list built: including Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam ASP-B Package list built: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam ASP-B Package Due Date: 09/22/25	
ALK-C03-2320, ALK-HC03-2320, ASP-B, BR-300, CL-4500, F-4500, N02-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, SHIPPING, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-LEVEL5, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-UI, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540	
L2555605-02 MW-8D	1 S0 04SEP25 08:45
TSS: Limited volume Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built: including Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam NYTCL-8260: Report list built: including Non-Routine: ;Freon-113;Cyclohexane;Methyl Acetate;Methyl cyclohexane L2555605-02 MS L2555605-02 MSD Package Due Date: 09/22/25	
ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, MS/MSD, N02-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-UI, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540	
L2555605-03 MW-5D	1 S0 04SEP25 10:50
TSS: Limited volume Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built: including Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam NYTCL-8260: Report list built: including Non-Routine: ;Freon-113;Cyclohexane;Methyl Acetate;Methyl cyclohexane Package Due Date: 09/22/25	

PACE ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT
 Oct 15 2025, 12:24 pm

Login Number: L25556005

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y0005

Received: 04SEP25 Due Date: 22SEP25

Mat PR Collected

Sample # Client ID

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, N02-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-UI, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

L2555605-04 PZ-5

1 S0 04SEP25 11:00

TSS: Limited volume Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built
 NYTCL-8270-LV: Report list built I: Non-Routine: 1, 2, 4, 5-tetrachlorobenzene; Atrazine; Benzaldehyde;
 Caprolactam; NYTCL-8260: Report list built I: Including Non-Routine: ; Freon-113; Cyclohexane; Methyl
 Acetate; Methyl cyclohexane Package Due Date: 09/22/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, N02-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-UI, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

L2555605-05 MW-12D

1 S0 04SEP25 12:12

TSS: Limited volume Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built
 NYTCL-8270-LV: Report list built I: Non-Routine: 1, 2, 4, 5-tetrachlorobenzene; Atrazine; Benzaldehyde;
 Caprolactam; NYTCL-8260: Report list built I: Including Non-Routine: ; Freon-113; Cyclohexane; Methyl
 Acetate; Methyl cyclohexane Package Due Date: 09/22/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, N02-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-UI, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

PACE ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT
 Oct 15 2025, 12:24 pm

Login Number: L2555605
 Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005
 Received: 04SEP25 Due Date: 22SEP25
 Client ID Mat PR Collected

Sample #	Client ID
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L2555605-06 MW-12S	1 S0 04SEP25 12:15
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TSS: Limited volume Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built
 NYTCL-8270-LV: Report list built: Non-Routine: 1, 2, 4, 5-tetrachlorobenzene; Atrazine; Benzaldehyde;
 Caprolactam NYTCL-8260: Report list built: including; Non-Routine: ; Freon-113; Cyclohexane; Methyl
 Acetate; Methyl cyclohexane Package Due Date: 09/22/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, N02-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT,
 NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-
 RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI,
 PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-
 UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-
 351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

L2555605-07 MW-4S	1 S0 04SEP25 13:30
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TSS: Limited volume Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built
 NYTCL-8270-LV: Report list built: Non-Routine: 1, 2, 4, 5-tetrachlorobenzene; Atrazine; Benzaldehyde;
 Caprolactam NYTCL-8260: Report list built: including; Non-Routine: ; Freon-113; Cyclohexane; Methyl
 Acetate; Methyl cyclohexane Package Due Date: 09/22/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, N02-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT,
 NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-
 RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI,
 PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-
 UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-
 351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

L2555605-08 MW-4D2	1 S0 04SEP25 13:40
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TSS: Limited volume Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built
 NYTCL-8270-LV: Report list built: Non-Routine: 1, 2, 4, 5-tetrachlorobenzene; Atrazine; Benzaldehyde;
 Caprolactam NYTCL-8260: Report list built: including; Non-Routine: ; Freon-113; Cyclohexane; Methyl
 Acetate; Methyl cyclohexane Package Due Date: 09/22/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Oct 15 2025, 12:24 pm

Login Number: L2555605

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 04SEP25 Due Date: 22SEP25

Mat PR Collected

Sample # Client ID

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, N02-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT,
NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-
RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI,
PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-
UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-
351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

L2555605-09 TRIP BLANK

1 S0 04SEP25 00:00

Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built NYTCL-8270-LV: Report
list built: Non-Routine: 1, 2, 4 5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260:
Report list built: including Non-Routine: ; Freon-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane
Package Due Date: 09/22/25

NYTCL-8260

Page 4

Logged By: Jennifer Byrnes

NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd., Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave., Suite 105		Page 1 of 2		Date Rec'd in Lab 9/15/25		L2555605 ROUX - NY	
Client Information Client: ROUX Env Eng & Geology, DPC Address: 209 Shafter Street Islandia, NY 11749-5074 Phone: 631-232-2600 Fax: Email: alenvolino@rouxinc.com		Project Information Project Name: Coram Groundwater Event Project Location: 416 Miller Place-Yaphank Road Project # (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other		Same as Client Info PO #	
Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		ANALYSIS Sample Filtration ☒ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Sample Specific Comments			
Sample ID		Collection		Date	Time	Sample Matrix	Sampler's Initials		
55605-01	MW-8S			9/14/25	0938	AQ	EM	X	X
02	MW-8D				0845			X	X
03	MW-5D				1050			X	X
04	PZ-5				1100			X	X
05	MW-12D				1212			X	X
06	MW-12S				1215			X	X
07	MW-4S				1330			X	X
08	MW-MW-4D2				1340			X	X
09	Trip Blank								
ALPHA Lab ID (Lab Use Only)		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOB Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Date/Time Received By:	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		Relinquished By:		Date/Time		Received By:		Date/Time	
Please specify Metals or TAL.		Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaoH O = Other		Date/Time 9/15/25 1530 9/15/25 1926		Received By: alenvolino alenvolino		Date/Time 9/15/25 1530 9/15/25 03:35	
Form No: 01-25 (rev. 30-Sept-2013)									

[illegible]

Organics

GC/MS 8260 Analysis

Volatiles QC Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2555605
Project Number: 2232.0006Y005
Matrix: Trip Blank (Aqueous)/Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-8S (L2555605-01)	99	102	99	109	0
MW-8D (L2555605-02)	101	102	100	112	0
MW-5D (L2555605-03)	104	102	97	110	0
PZ-5 (L2555605-04)	102	101	96	112	0
MW-12D (L2555605-05)	101	102	97	110	0
MW-12S (L2555605-06)	95	103	88	102	0
MW-4S (L2555605-07)	96	102	87	106	0
MW-4D2 (L2555605-08)	96	102	87	105	0
TRIP BLANK (L2555605-09)	96	104	86	107	0
WG2113365-3LCS	96	104	89	100	0
WG2113365-4LCSD	94	103	90	98	0
WG2113365-5BLANK	96	102	89	106	0
WG2113542-3LCS	98	105	103	99	0
WG2113542-4LCSD	96	105	100	98	0
WG2113542-5BLANK	99	103	97	106	0
MW-8DMS	97	104	98	101	0
MW-8DMSD	95	102	101	98	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

* Values outside of QC limits

FORM II NYTCL-8260



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
 Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2113365-3 Analysis Date : 09/10/25 21:17 File ID : VE250910N03
 LCSD Sample ID : WG2113365-4 Analysis Date : 09/10/25 21:41 File ID : VE250910N04

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	12	120	10	12	120	0	70-130	20
1,1-Dichloroethane	10	12	120	10	12	120	0	70-130	20
Chloroform	10	11	110	10	10	100	10	70-130	20
Carbon tetrachloride	10	11	110	10	10	100	10	63-132	20
1,2-Dichloropropane	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	10	10	100	10	10	100	0	63-130	20
1,1,2-Trichloroethane	10	11	110	10	11	110	0	70-130	20
Tetrachloroethene	10	12	120	10	12	120	0	70-130	20
Chlorobenzene	10	11	110	10	11	110	0	75-130	20
Trichlorofluoromethane	10	11	110	10	10	100	10	62-150	20
1,2-Dichloroethane	10	9.8	98	10	10	100	2	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.9	99	1	67-130	20
Bromodichloromethane	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	10	100	10	10	100	0	70-130	20
cis-1,3-Dichloropropene	10	9.8	98	10	10	100	2	70-130	20
Bromoform	10	9.5	95	10	9.8	98	3	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	10	100	0	67-130	20
Benzene	10	11	110	10	11	110	0	70-130	20
Toluene	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	10	11	110	10	11	110	0	70-130	20
Chloromethane	10	7.7	77	10	7.9	79	3	64-130	20
Bromomethane	10	5.3	53	10	5.9	59	11	39-139	20
Vinyl chloride	10	12	120	10	12	120	0	55-140	20
Chloroethane	10	13	130	10	13	130	0	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20
trans-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2555605
Project Name : CORAM MATERIALS **Project Number** : 2232.0006Y005
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG2113365-3 **Analysis Date** : 09/10/25 21:17 **File ID** : VE250910N03
LCSD Sample ID : WG2113365-4 **Analysis Date** : 09/10/25 21:41 **File ID** : VE250910N04

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Trichloroethene	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,3-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,4-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
Methyl tert butyl ether	10	9.4	94	10	9.4	94	0	63-130	20
p/m-Xylene	20	22	110	20	22	110	0	70-130	20
o-Xylene	20	22	110	20	22	110	0	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20
Styrene	20	22	110	20	22	110	0	70-130	20
Dichlorodifluoromethane	10	11	110	10	11	110	0	36-147	20
Acetone	10	12	120	10	12	120	0	58-148	20
Carbon disulfide	10	11	110	10	11	110	0	51-130	20
2-Butanone	10	11	110	10	10	100	10	63-138	20
4-Methyl-2-pentanone	10	11	110	10	11	110	0	59-130	20
2-Hexanone	10	10	100	10	11	110	10	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
1,2-Dibromoethane	10	10	100	10	10	100	0	70-130	20
1,2-Dibromo-3-chloropropane	10	9.3	93	10	9.1	91	2	41-144	20
Isopropylbenzene	10	9.8	98	10	9.9	99	1	70-130	20
1,2,3-Trichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,2,4-Trichlorobenzene	10	11	110	10	11	110	0	70-130	20
Methyl Acetate	10	10	100	10	10	100	0	70-130	20
Cyclohexane	10	11	110	10	10	100	10	70-130	20
Freon-113	10	10	100	10	10	100	0	70-130	20
Methyl cyclohexane	10	9.6	96	10	9.5	95	1	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
 Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2113542-3 Analysis Date : 09/11/25 07:18 File ID : V05250911A01
 LCSD Sample ID : WG2113542-4 Analysis Date : 09/11/25 07:44 File ID : V05250911A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	10	11	110	10	10	100	10	70-130	20
Chloroform	10	10	100	10	9.9	99	1	70-130	20
Carbon tetrachloride	10	9.3	93	10	8.9	89	4	63-132	20
1,2-Dichloropropane	10	10	100	10	10	100	0	70-130	20
Dibromochloromethane	10	10	100	10	10	100	0	63-130	20
1,1,2-Trichloroethane	10	11	110	10	11	110	0	70-130	20
Tetrachloroethene	10	10	100	10	10	100	0	70-130	20
Chlorobenzene	10	11	110	10	11	110	0	75-130	20
Trichlorofluoromethane	10	11	110	10	10	100	10	62-150	20
1,2-Dichloroethane	10	10	100	10	9.6	96	4	70-130	20
1,1,1-Trichloroethane	10	9.9	99	10	9.6	96	3	67-130	20
Bromodichloromethane	10	9.9	99	10	9.7	97	2	67-130	20
trans-1,3-Dichloropropene	10	9.6	96	10	9.5	95	1	70-130	20
cis-1,3-Dichloropropene	10	11	110	10	10	100	10	70-130	20
Bromoform	10	9.8	98	10	9.8	98	0	54-136	20
1,1,2,2-Tetrachloroethane	10	12	120	10	12	120	0	67-130	20
Benzene	10	11	110	10	11	110	0	70-130	20
Toluene	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	10	11	110	10	11	110	0	70-130	20
Chloromethane	10	13	130	10	12	120	8	64-130	20
Bromomethane	10	6.5	65	10	7.5	75	14	39-139	20
Vinyl chloride	10	13	130	10	13	130	0	55-140	20
Chloroethane	10	12	120	10	13	130	8	55-138	20
1,1-Dichloroethene	10	12	120	10	12	120	0	61-145	20
trans-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2555605
Project Name : CORAM MATERIALS **Project Number** : 2232.0006Y005
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG2113542-3 **Analysis Date** : 09/11/25 07:18 **File ID** : V05250911A01
LCSD Sample ID : WG2113542-4 **Analysis Date** : 09/11/25 07:44 **File ID** : V05250911A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Trichloroethene	10	10	100	10	9.9	99	1	70-130	20
1,2-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,3-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,4-Dichlorobenzene	10	11	110	10	11	110	0	70-130	20
Methyl tert butyl ether	10	9.6	96	10	9.6	96	0	63-130	20
p/m-Xylene	20	22	110	20	22	110	0	70-130	20
o-Xylene	20	22	110	20	22	110	0	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20
Styrene	20	23	115	20	23	115	0	70-130	20
Dichlorodifluoromethane	10	9.8	98	10	9.5	95	3	36-147	20
Acetone	10	11	110	10	9.9	99	11	58-148	20
Carbon disulfide	10	13	130	10	12	120	8	51-130	20
2-Butanone	10	10	100	10	10	100	0	63-138	20
4-Methyl-2-pentanone	10	9.2	92	10	9.4	94	2	59-130	20
2-Hexanone	10	9.2	92	10	9.5	95	3	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
1,2-Dibromoethane	10	10	100	10	11	110	10	70-130	20
1,2-Dibromo-3-chloropropane	10	9.0	90	10	8.7	87	3	41-144	20
Isopropylbenzene	10	11	110	10	10	100	10	70-130	20
1,2,3-Trichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl Acetate	10	11	110	10	10	100	10	70-130	20
Cyclohexane	10	11	110	10	11	110	0	70-130	20
Freon-113	10	12	120	10	12	120	0	70-130	20
Methyl cyclohexane	10	10	100	10	9.8	98	2	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2113542-6
 Matrix Spike Dup : WG2113542-7

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 Analysis Date : 09/11/25 09:51
 MS Analysis Date : 09/11/25 11:32
 MSD Analysis Date : 09/11/25 11:58

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Methylene chloride	ND	10	9.6	96	10	12	120	22 Q	70-130	20
1,1-Dichloroethane	ND	10	9.3	93	10	12	120	25 Q	70-130	20
Chloroform	ND	10	9.0	90	10	11	110	20	70-130	20
Carbon tetrachloride	ND	10	8.1	81	10	10	100	21 Q	63-132	20
1,2-Dichloropropane	ND	10	8.7	87	10	11	110	23 Q	70-130	20
Dibromochloromethane	ND	10	7.9	79	10	9.9	99	22 Q	63-130	20
1,1,2-Trichloroethane	ND	10	8.8	88	10	11	110	22 Q	70-130	20
Tetrachloroethene	ND	10	8.7	87	10	11	110	23 Q	70-130	20
Chlorobenzene	ND	10	8.9	89	10	11	110	21 Q	75-130	20
Trichlorofluoromethane	ND	10	8.7	87	10	12	120	32 Q	62-150	20
1,2-Dichloroethane	ND	10	8.2	82	10	10	100	20	70-130	20
1,1,1-Trichloroethane	ND	10	8.8	88	10	11	110	22 Q	67-130	20
Bromodichloromethane	ND	10	8.1	81	10	10	100	21 Q	67-130	20
trans-1,3-Dichloropropene	ND	10	7.4	74	10	9.2	92	22 Q	70-130	20
cis-1,3-Dichloropropene	ND	10	7.7	77	10	9.9	99	25 Q	70-130	20
Bromoform	ND	10	7.3	73	10	9.2	92	23 Q	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	8.8	88	10	11	110	22 Q	67-130	20
Benzene	ND	10	9.7	97	10	12	120	21 Q	70-130	20
Toluene	ND	10	9.2	92	10	11	110	18	70-130	20
Ethylbenzene	ND	10	9.1	91	10	11	110	19	70-130	20
Chloromethane	ND	10	11	110	10	14	140 Q	24 Q	64-130	20
Bromomethane	ND	10	6.1	61	10	9.7	97	46 Q	39-139	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2113542-6
 Matrix Spike Dup : WG2113542-7

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 Analysis Date : 09/11/25 09:51
 MS Analysis Date : 09/11/25 11:32
 MSD Analysis Date : 09/11/25 11:58

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit		
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R					
Vinyl chloride	ND	10	12	120	10	16	160	Q	29	Q	55-140	20
Chloroethane	ND	10	12	120	10	15	150	Q	22	Q	55-138	20
1,1-Dichloroethene	ND	10	11	110	10	14	140		24	Q	61-145	20
trans-1,2-Dichloroethene	ND	10	9.3	93	10	12	120		25	Q	70-130	20
Trichloroethene	ND	10	9.1	91	10	11	110		19		70-130	20
1,2-Dichlorobenzene	ND	10	8.5	85	10	11	110		26	Q	70-130	20
1,3-Dichlorobenzene	ND	10	8.5	85	10	11	110		26	Q	70-130	20
1,4-Dichlorobenzene	ND	10	8.5	85	10	11	110		26	Q	70-130	20
Methyl tert butyl ether	ND	10	7.1	71	10	9.2	92		26	Q	63-130	20
p/m-Xylene	ND	20	19	95	20	23	115		19		70-130	20
o-Xylene	ND	20	18	90	20	23	115		24	Q	70-130	20
cis-1,2-Dichloroethene	ND	10	9.0	90	10	12	120		29	Q	70-130	20
Styrene	ND	20	18	90	20	23	115		24	Q	70-130	20
Dichlorodifluoromethane	ND	10	6.5	65	10	9.6	96		39	Q	36-147	20
Acetone	2.1J	10	8.9	89	10	10	100		12		58-148	20
Carbon disulfide	ND	10	11	110	10	14	140	Q	24	Q	51-130	20
2-Butanone	ND	10	7.2	72	10	9.0	90		22	Q	63-138	20
4-Methyl-2-pentanone	ND	10	6.3	63	10	8.3	83		27	Q	59-130	20
2-Hexanone	ND	10	6.4	64	10	8.0	80		22	Q	57-130	20
Bromochloromethane	ND	10	9.4	94	10	12	120		24	Q	70-130	20
1,2-Dibromoethane	ND	10	8.1	81	10	10	100		21	Q	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	6.5	65	10	8.3	83		24	Q	41-144	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2113542-6
 Matrix Spike Dup : WG2113542-7

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 Analysis Date : 09/11/25 09:51
 MS Analysis Date : 09/11/25 11:32
 MSD Analysis Date : 09/11/25 11:58

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Isopropylbenzene	ND	10	8.5	85	10	11	110	26 Q	70-130	20
1,2,3-Trichlorobenzene	ND	10	7.4	74	10	9.8	98	28 Q	70-130	20
1,2,4-Trichlorobenzene	ND	10	7.5	75	10	9.8	98	27 Q	70-130	20
Methyl Acetate	ND	10	8.0	80	10	9.8	98	20	70-130	20
Cyclohexane	ND	10	7.3J	73	10	11	110	40 Q	70-130	20
Freon-113	ND	10	8.2	82	10	12	120	38 Q	70-130	20
Methyl cyclohexane	ND	10	5.8J	58 Q	10	9.2J	92	45 Q	70-130	20



**Method Blank Summary
Form 4
Volatiles**

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab Sample ID	: WG2113365-5	Lab File ID	: VE250910N06
Instrument ID	: ELAINE		
Matrix	: WATER	Analysis Date	: 09/10/25 22:29

Client Sample No.	Lab Sample ID	Analysis Date
WG2113365-3LCS	WG2113365-3	09/10/25 21:17
WG2113365-4LCSD	WG2113365-4	09/10/25 21:41
MW-12S	L2555605-06	09/10/25 22:53
MW-4S	L2555605-07	09/10/25 23:17
MW-4D2	L2555605-08	09/10/25 23:42
TRIP BLANK	L2555605-09	09/11/25 00:06

**Method Blank Summary
Form 4
Volatiles**

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab Sample ID	: WG2113542-5	Lab File ID	: V05250911A05
Instrument ID	: VOA105		
Matrix	: WATER	Analysis Date	: 09/11/25 09:00

Client Sample No.	Lab Sample ID	Analysis Date
WG2113542-3LCS	WG2113542-3	09/11/25 07:18
WG2113542-4LCSD	WG2113542-4	09/11/25 07:44
MW-8S	L2555605-01	09/11/25 09:25
MW-8D	L2555605-02	09/11/25 09:51
MW-5D	L2555605-03	09/11/25 10:16
PZ-5	L2555605-04	09/11/25 10:42
MW-12D	L2555605-05	09/11/25 11:07
MW-8DMS	WG2113542-6	09/11/25 11:32
MW-8DMSD	WG2113542-7	09/11/25 11:58

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : ELAINE	Analysis Date : 08/08/25 00:28
Tune Standard : WG2101503-1	Tune File ID : VE250808ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.3
75	30.0 - 80.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.8 (1)1
174	Greater than 50.0% of mass 95	72.9
175	5.0 - 9.0% of mass 174	5.6 (7.7)1
176	Greater than 95.0% but less than 101% of mass	72.2 (99.1)1
177	5.0 - 9.0% of mass 176	5.1 (7.1)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1998051-1	VE250808A04	08/08/25 02:00
STD0.5PPB	R1998051-2	VE250808A06	08/08/25 02:48
STD2PPB	R1998051-3	VE250808A08	08/08/25 03:36
STD10PPB	R1998051-4	VE250808A10	08/08/25 04:24
STD30PPB	R1998051-5	VE250808A11	08/08/25 04:48
STD80PPB	R1998051-6	VE250808A12	08/08/25 05:12
STD120PPB	R1998051-7	VE250808A13	08/08/25 05:36
STD200PPB	R1998051-8	VE250808A14	08/08/25 06:00
Correlation Data Summary	R1998051-9	VE250808A19	08/08/25 08:00
ICV Quant Report	R1998051-9	VE250808A19	08/08/25 08:00



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : ELAINE	Analysis Date : 09/10/25 20:53
Tune Standard : WG2113365-1	Tune File ID : VE250910N02_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 80.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.4 (.5)1
174	Greater than 50.0% of mass 95	78.7
175	5.0 - 9.0% of mass 174	5.8 (7.4)1
176	Greater than 95.0% but less than 101% of mass	76.5 (97.3)1
177	5.0 - 9.0% of mass 176	5.2 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2113365-2CCAL	WG2113365-2	VE250910N03	09/10/25 21:17
WG2113365-3LCS	WG2113365-3	VE250910N03	09/10/25 21:17
WG2113365-4LCSD	WG2113365-4	VE250910N04	09/10/25 21:41
WG2113365-5BLANK	WG2113365-5	VE250910N06	09/10/25 22:29
MW-12S	L2555605-06	VE250910N07	09/10/25 22:53
MW-4S	L2555605-07	VE250910N08	09/10/25 23:17
MW-4D2	L2555605-08	VE250910N09	09/10/25 23:42
TRIP BLANK	L2555605-09	VE250910N10	09/11/25 00:06



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : VOA105	Analysis Date : 08/16/25 11:14
Tune Standard : WG2103935-1	Tune File ID : V05250816BBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.3
75	30.0 - 80.0% of mass 95	57.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (.7)1
174	Greater than 50.0% of mass 95	83.2
175	5.0 - 9.0% of mass 174	6.2 (7.4)1
176	Greater than 95.0% but less than 101% of mass	80.4 (96.7)1
177	5.0 - 9.0% of mass 176	5.3 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R2000385-1	V05250816B04	08/16/25 12:48
STD0.5PPB	R2000385-2	V05250816B05	08/16/25 13:14
STD2PPB	R2000385-3	V05250816B07	08/16/25 14:05
STD10PPB	R2000385-4	V05250816B09	08/16/25 14:56
STD30PPB	R2000385-5	V05250816B10	08/16/25 15:22
STD80PPB	R2000385-6	V05250816B11	08/16/25 15:47
STD120PPB	R2000385-7	V05250816B12	08/16/25 16:13
STD200PPB	R2000385-8	V05250816B13	08/16/25 16:38
Correlation Data Summary	R2000385-9	V05250816B18	08/16/25 18:46
ICV Quant Report	R2000385-9	V05250816B18	08/16/25 18:46



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : VOA105	Analysis Date : 09/11/25 07:04
Tune Standard : WG2113542-1	Tune File ID : V05250911ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	24.2
75	30.0 - 80.0% of mass 95	56.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (.8)1
174	Greater than 50.0% of mass 95	81.4
175	5.0 - 9.0% of mass 174	6.1 (7.5)1
176	Greater than 95.0% but less than 101% of mass	79 (97)1
177	5.0 - 9.0% of mass 176	5.2 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2113542-2CCAL	WG2113542-2	V05250911A01	09/11/25 07:18
WG2113542-3LCS	WG2113542-3	V05250911A01	09/11/25 07:18
WG2113542-4LCSD	WG2113542-4	V05250911A02	09/11/25 07:44
WG2113542-5BLANK	WG2113542-5	V05250911A05	09/11/25 09:00
MW-8S	L2555605-01	V05250911A06	09/11/25 09:25
MW-8D	L2555605-02	V05250911A07	09/11/25 09:51
MW-5D	L2555605-03	V05250911A08	09/11/25 10:16
PZ-5	L2555605-04	V05250911A09	09/11/25 10:42
MW-12D	L2555605-05	V05250911A10	09/11/25 11:07
WG2113542-6MS	WG2113542-6	V05250911A11	09/11/25 11:32
WG2113542-7MSD	WG2113542-7	V05250911A12	09/11/25 11:58



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : ELAINE
 Sample No : WG2113365-2

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Analysis Date : 09/10/25 21:17:00
 Lab File ID : VE250910N03

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2113365-2	485831	5.71	355794	9.21	195575	11.98
Upper Limit	971662	6.21	711588	9.71	391150	12.48
Lower Limit	242916	5.21	177897	8.71	97788	11.48
Sample ID						
WG2113365-3 LCS	485831	5.71	355794	9.21	195575	11.98
WG2113365-4 LCSD	501755	5.71	363953	9.22	196779	11.98
WG2113365-5 BLANK	453948	5.71	335448	9.22	184264	11.98
MW-12S	463086	5.71	335836	9.22	182267	11.98
MW-4S	443108	5.71	328010	9.21	181657	11.98
MW-4D2	449768	5.71	330454	9.22	183730	11.98
TRIP BLANK	435897	5.71	316456	9.21	175902	11.98

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : VOA105
 Sample No : WG2113542-2

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Analysis Date : 09/11/25 07:18:00
 Lab File ID : V05250911A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2113542-2	298590	5.51	215521	8.99	125132	11.80
Upper Limit	597180	6.01	431042	9.49	250264	12.30
Lower Limit	149295	5.01	107761	8.49	62566	11.30
Sample ID						
WG2113542-3 LCS	298590	5.51	215521	8.99	125132	11.80
WG2113542-4 LCSD	305601	5.51	216696	8.99	126980	11.80
WG2113542-5 BLANK	272192	5.51	195796	8.99	106321	11.80
MW-8S	261319	5.51	191723	8.99	102900	11.80
MW-8D	256503	5.51	186775	8.99	99477	11.80
MW-5D	256006	5.51	187910	8.99	100495	11.80
PZ-5	249831	5.51	184564	8.99	97659	11.80
MW-12D	253930	5.51	185084	8.99	96634	11.80
MW-8D MS	290284	5.51	207635	8.99	123354	11.80
MW-8D MSD	294348	5.51	212750	8.99	121504	11.80

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20	
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20	
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20	
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20	
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20	
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20	
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20	
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20	
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25	
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20	
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20	
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20	
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20	
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20	
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20	
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l	70-130	20	70-130	20	20	
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20	
Bromoforn	75-25-2	2	0.248	ug/l	70-130	20	70-130	20	20	
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	64-136	20	54-136	20	20	
Benzene	71-43-2	0.5	0.159	ug/l	67-130	20	67-130	20	20	
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25	
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20	
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20	
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20	
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20	
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20	
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25	
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20	
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l	70-130	20	70-130	20	20	
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25	
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20	
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20	
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20	
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20	
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20	
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20	
Xylene (Total)	1330-20-7	1	0.33	ug/l	70-130	20	70-130	20	20	
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20	
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20	
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20	
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20	
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20	

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



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Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

[illegible]

Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



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Volatiles Sample Data

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-01
 Client ID : MW-8S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A06
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 09:38
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 09:25
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-01
 Client ID : MW-8S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A06
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 09:38
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 09:25
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.8	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 09:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05250911A06	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-02
 Client ID : MW-8D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 08:45
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 09:51
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-02
 Client ID : MW-8D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 08:45
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 09:51
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.1	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 09:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05250911A07	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-03
 Client ID : MW-5D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 10:50
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 10:16
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	0.70	2.5	0.70	J
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	0.92	1.0	0.14	J
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	1.1	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.39	0.50	0.17	J



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-03
 Client ID : MW-5D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 10:50
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 10:16
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.6	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 10:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05250911A08	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-04
 Client ID : PZ-5
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 11:00
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 10:42
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Lab ID : L2555605-04	Date Collected : 09/04/25 11:00
Client ID : PZ-5	Date Received : 09/04/25
Sample Location : 416 MILLER PLACE-YAPHANK RD.	Date Analyzed : 09/11/25 10:42
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260D	Analyst : MJV
Lab File ID : V05250911A09	Instrument ID : VOA105
Sample Amount : 10 ml	GC Column : RTX-502.2
Level : LOW	%Solids : N/A
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 10:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05250911A09	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-05
 Client ID : MW-12D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A10
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 12:12
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 11:07
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	2.6	2.5	0.70	
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.35	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	3.0	2.5	0.70	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	3.2	0.50	0.17	



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-05
 Client ID : MW-12D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A10
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 12:12
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 11:07
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 11:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05250911A10	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-06
 Client ID : MW-12S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250910N07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 12:15
 Date Received : 09/04/25
 Date Analyzed : 09/10/25 22:53
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-06
 Client ID : MW-12S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250910N07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 12:15
 Date Received : 09/04/25
 Date Analyzed : 09/10/25 22:53
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 22:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE250910N07	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-07
 Client ID : MW-4S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250910N08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 13:30
 Date Received : 09/04/25
 Date Analyzed : 09/10/25 23:17
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-07
 Client ID : MW-4S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250910N08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 13:30
 Date Received : 09/04/25
 Date Analyzed : 09/10/25 23:17
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 23:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE250910N08	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-08
 Client ID : MW-4D2
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250910N09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 13:40
 Date Received : 09/04/25
 Date Analyzed : 09/10/25 23:42
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-08
 Client ID : MW-4D2
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250910N09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 13:40
 Date Received : 09/04/25
 Date Analyzed : 09/10/25 23:42
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 23:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE250910N09	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-09
 Client ID : TRIP BLANK
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : Trip Blank (aqueous)
 Analytical Method : 1,8260D
 Lab File ID : VE250910N10
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 00:00
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 00:06
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-09
 Client ID : TRIP BLANK
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : Trip Blank (aqueous)
 Analytical Method : 1,8260D
 Lab File ID : VE250910N10
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 00:00
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 00:06
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-09	Date Collected	: 09/04/25 00:00
Client ID	: TRIP BLANK	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 00:06
Sample Matrix	: Trip Blank (aqueous)	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE250910N10	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2113365-5
 Client ID : WG2113365-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250910N06
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/10/25 22:29
 Dilution Factor : 1
 Analyst : TMS
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2113365-5
 Client ID : WG2113365-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250910N06
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/10/25 22:29
 Dilution Factor : 1
 Analyst : TMS
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: WG2113365-5	Date Collected	: NA
Client ID	: WG2113365-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/10/25 22:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: VE250910N06	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2113542-5
 Client ID : WG2113542-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/11/25 09:00
 Dilution Factor : 1
 Analyst : PID
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2113542-5
 Client ID : WG2113542-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250911A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/11/25 09:00
 Dilution Factor : 1
 Analyst : PID
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: WG2113542-5	Date Collected	: NA
Client ID	: WG2113542-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/11/25 09:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05250911A05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N07.D
 Acq On : 10 Sep 2025 10:53 pm
 Operator : ELAINE: MJV
 Sample : 12555605-06,31,10,10,,a
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 11 06:51:13 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	463086	10.000	ug/L	0.00
Standard Area 1 = 485831			Recovery	=	95.32%	
63) Chlorobenzene-d5	9.219	117	335836	10.000	ug/L	0.00
Standard Area 1 = 355794			Recovery	=	94.39%	
84) 1,4-Dichlorobenzene-d4	11.981	152	182267	10.000	ug/L	0.00
Standard Area 1 = 195575			Recovery	=	93.20%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.920	113	123997	10.210	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.10%	
47) 1,2-Dichloroethane-d4	5.432	65	151167	9.535	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.35%	
64) Toluene-d8	7.385	98	457975	10.260	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.60%	
88) 4-Bromofluorobenzene	10.743	95	157975	8.814	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	88.14%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.686	50	709	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.034	94	453	0.083	ug/L	95
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.764	76	600	N.D.		
12) Freon-113	2.854	101	48	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.294	43	1818	Below Cal	#	66
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.416	43	91	N.D.		
21) Methyl tert-butyl ether	3.529	73	46	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	4.752	83	1011	N.D.		
37) Carbon tetrachloride	4.929	117	47	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N07.D
 Acq On : 10 Sep 2025 10:53 pm
 Operator : ELAINE:MJV
 Sample : l2555605-06,31,10,10,,a
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 11 06:51:13 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	4.811	97	62	N.D.		
42)	2-Butanone	0.000		0	N.D.	d	
45)	Benzene	5.296	78	46	N.D.		
48)	1,2-Dichloroethane	0.000		0	N.D.		
51)	Methyl cyclohexane	0.000		0	N.D.		
52)	Trichloroethene	5.827	95	269	N.D.		
55)	1,2-Dichloropropane	0.000		0	N.D.		
58)	Bromodichloromethane	6.634	83	40	N.D.		
62)	cis-1,3-Dichloropropene	0.000		0	N.D.		
65)	Toluene	7.446	92	195	N.D.		
66)	4-Methyl-2-pentanone	7.828	58	41	N.D.		
67)	Tetrachloroethene	7.907	166	41	N.D.		
69)	trans-1,3-Dichloropropene	0.000		0	N.D.		
72)	1,1,2-Trichloroethane	0.000		0	N.D.		
73)	Chlorodibromomethane	0.000		0	N.D.		
75)	1,2-Dibromoethane	0.000		0	N.D.		
77)	2-Hexanone	8.934	43	58	N.D.		
78)	Chlorobenzene	9.223	112	39	N.D.		
79)	Ethylbenzene	9.285	91	88	N.D.		
81)	p/m Xylene	9.465	106	46	N.D.		
82)	o Xylene	0.000		0	N.D.		
83)	Styrene	10.097	104	174	N.D.		
85)	Bromoform	10.092	173	49	N.D.		
87)	Isopropylbenzene	0.000		0	N.D.		
92)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105)	1,3-Dichlorobenzene	11.902	146	52	N.D.		
106)	1,4-Dichlorobenzene	12.008	146	183	N.D.		
109)	1,2-Dichlorobenzene	12.426	146	151	N.D.		
111)	1,2-Dibromo-3-chloropr...	13.175	155	42	N.D.		
114)	1,2,4-Trichlorobenzene	13.841	180	607	N.D.		
116)	1,2,3-Trichlorobenzene	14.308	180	344	N.D.		

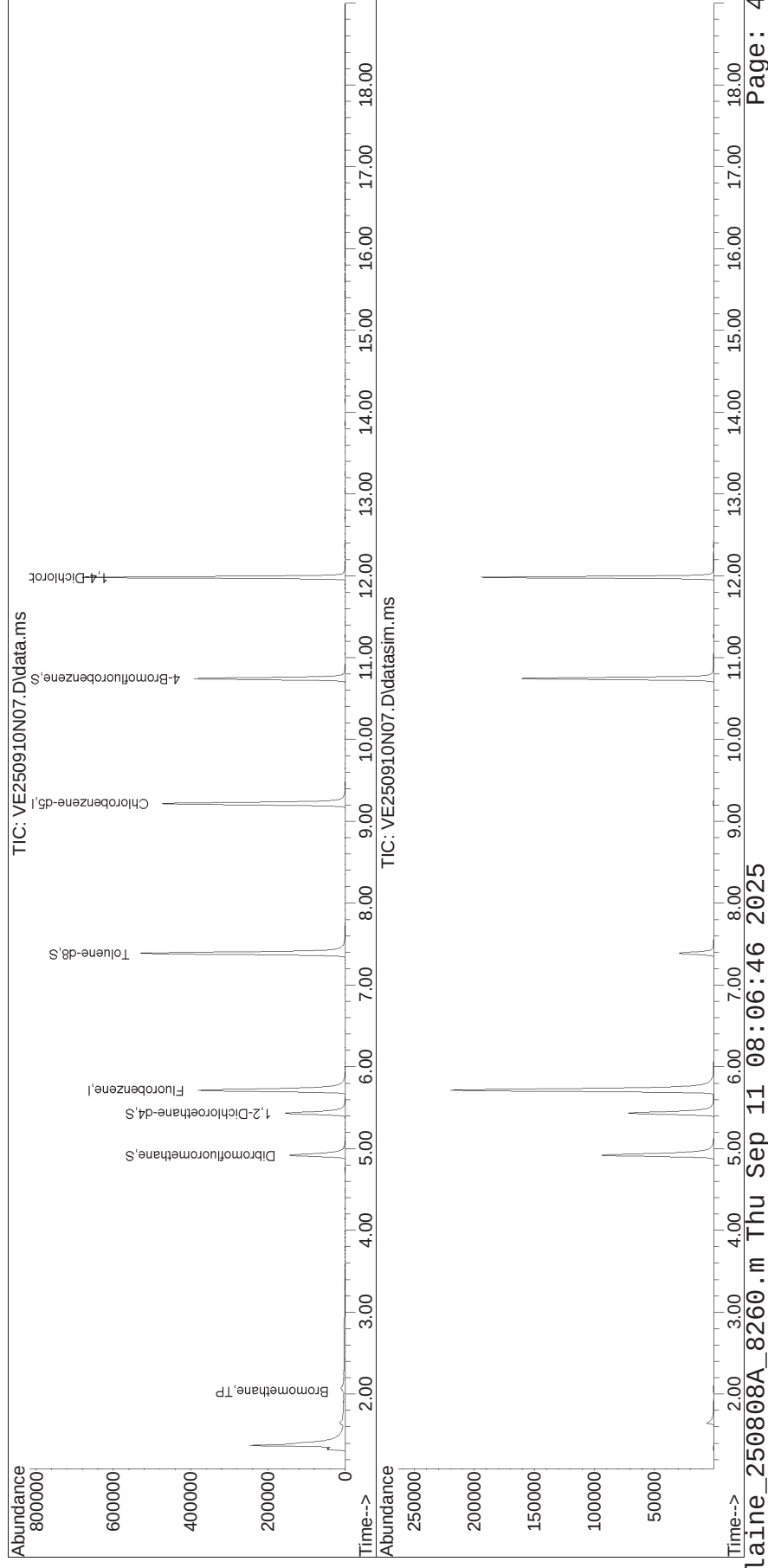
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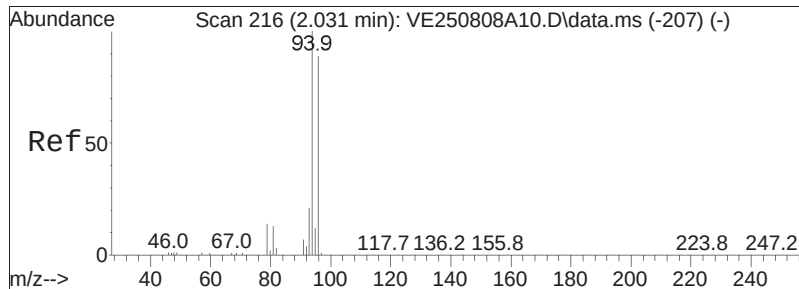
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
Data File : VE250910N07.D
Acq On : 10 Sep 2025 10:53 pm
Operator : ELAINE:MJV
Sample : 12555605-06,31,10,10,,a
Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 11 06:51:13 2025
Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 08:01:29 2025
Response via : Initial Calibration

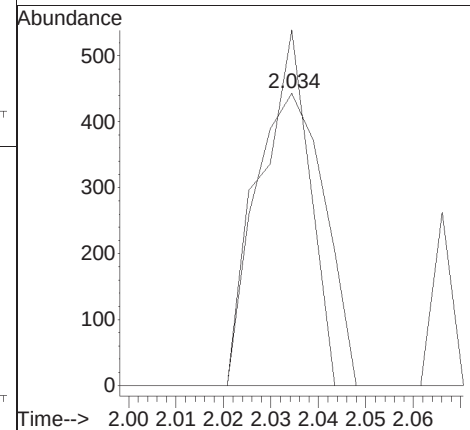
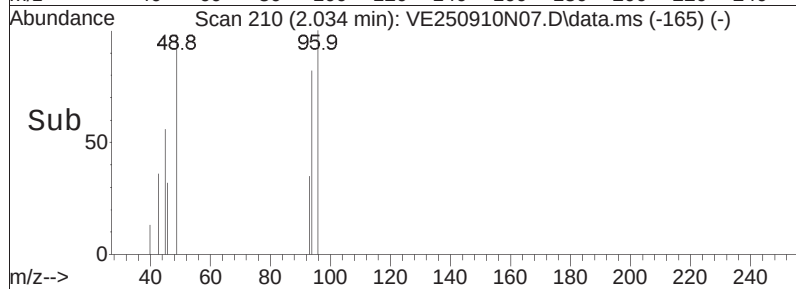
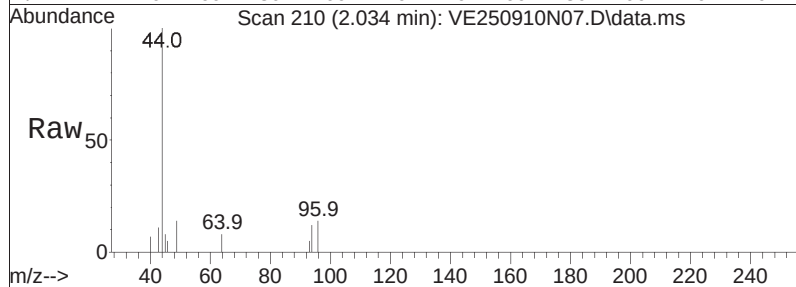
60ALLISTE(s) : 8260KNXERaiheN250910N07.D\8260910N03.D•





#5
 Bromomethane
 Concen: 0.08 ug/L
 RT: 2.034 min Scan# 210
 Delta R.T. 0.003 min
 Lab File: VE250910N07.D
 Acq: 10 Sep 2025 10:53 pm

Tgt Ion: 94 Resp: 453
 Ion Ratio Lower Upper
 94 100
 96 86.5 71.7 111.7



Manual Integration Report

Data Path	: K:\Elaine\2025\250910A\	QMethod	: Elaine_250808A_8260.m
Data File	: VE250910N07.D	Operator	: ELAINE:MJV
Date Inj'd	: 9/10/2025 10:53 pm	Instrument	: Elaine
Sample	: l2555605-06,31,10,10,,a	Quant Date	: 9/11/2025 6:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N08.D
 Acq On : 10 Sep 2025 11:17 pm
 Operator : ELAINE: MJV
 Sample : l2555605-07,31,10,10,,a
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 06:51:31 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	443108	10.000	ug/L	0.00
Standard Area 1 = 485831			Recovery	=	91.21%	
63) Chlorobenzene-d5	9.214	117	328010	10.000	ug/L	0.00
Standard Area 1 = 355794			Recovery	=	92.19%	
84) 1,4-Dichlorobenzene-d4	11.981	152	181657	10.000	ug/L	0.00
Standard Area 1 = 195575			Recovery	=	92.88%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.915	113	122665	10.556	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.56%	
47) 1,2-Dichloroethane-d4	5.432	65	146160	9.635	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.35%	
64) Toluene-d8	7.385	98	444745	10.201	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.01%	
88) 4-Bromofluorobenzene	10.743	95	155562	8.709	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	87.09%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.359	85	47	N.D.		
3) Chloromethane	1.667	50	318	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.030	94	573	0.109	ug/L	89
6) Chloroethane	2.025	64	247	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.682	96	43	N.D.		
11) Carbon disulfide	2.759	76	665	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.298	43	9983	3.390	ug/L	100
18) trans-1,2-Dichloroethene	3.579	96	42	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	4.748	83	1659	0.092	ug/L #	92
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N08.D
 Acq On : 10 Sep 2025 11:17 pm
 Operator : ELAINE:MJV
 Sample : l2555605-07,31,10,10,,a
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 06:51:31 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0		N.D.	
42)	2-Butanone	0.000		0		N.D.	d
45)	Benzene	5.322	78	52		N.D.	
48)	1,2-Dichloroethane	0.000		0		N.D.	
51)	Methyl cyclohexane	0.000		0		N.D.	d
52)	Trichloroethene	0.000		0		N.D.	
55)	1,2-Dichloropropane	0.000		0		N.D.	
58)	Bromodichloromethane	6.529	83	43		N.D.	
62)	cis-1,3-Dichloropropene	7.218	75	41		N.D.	
65)	Toluene	7.433	92	133		N.D.	
66)	4-Methyl-2-pentanone	0.000		0		N.D.	
67)	Tetrachloroethene	7.876	166	42		N.D.	
69)	trans-1,3-Dichloropropene	0.000		0		N.D.	
72)	1,1,2-Trichloroethane	0.000		0		N.D.	
73)	Chlorodibromomethane	0.000		0		N.D.	
75)	1,2-Dibromoethane	0.000		0		N.D.	
77)	2-Hexanone	8.894	43	131		N.D.	
78)	Chlorobenzene	9.228	112	119		N.D.	
79)	Ethylbenzene	9.280	91	143		N.D.	
81)	p/m Xylene	9.465	106	111		N.D.	
82)	o Xylene	0.000		0		N.D.	
83)	Styrene	10.083	104	61		N.D.	
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	10.408	105	64		N.D.	
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	11.906	146	40		N.D.	
106)	1,4-Dichlorobenzene	11.994	146	93		N.D.	
109)	1,2-Dichlorobenzene	12.439	146	41		N.D.	
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114)	1,2,4-Trichlorobenzene	13.840	180	122		N.D.	
116)	1,2,3-Trichlorobenzene	14.307	180	98		N.D.	

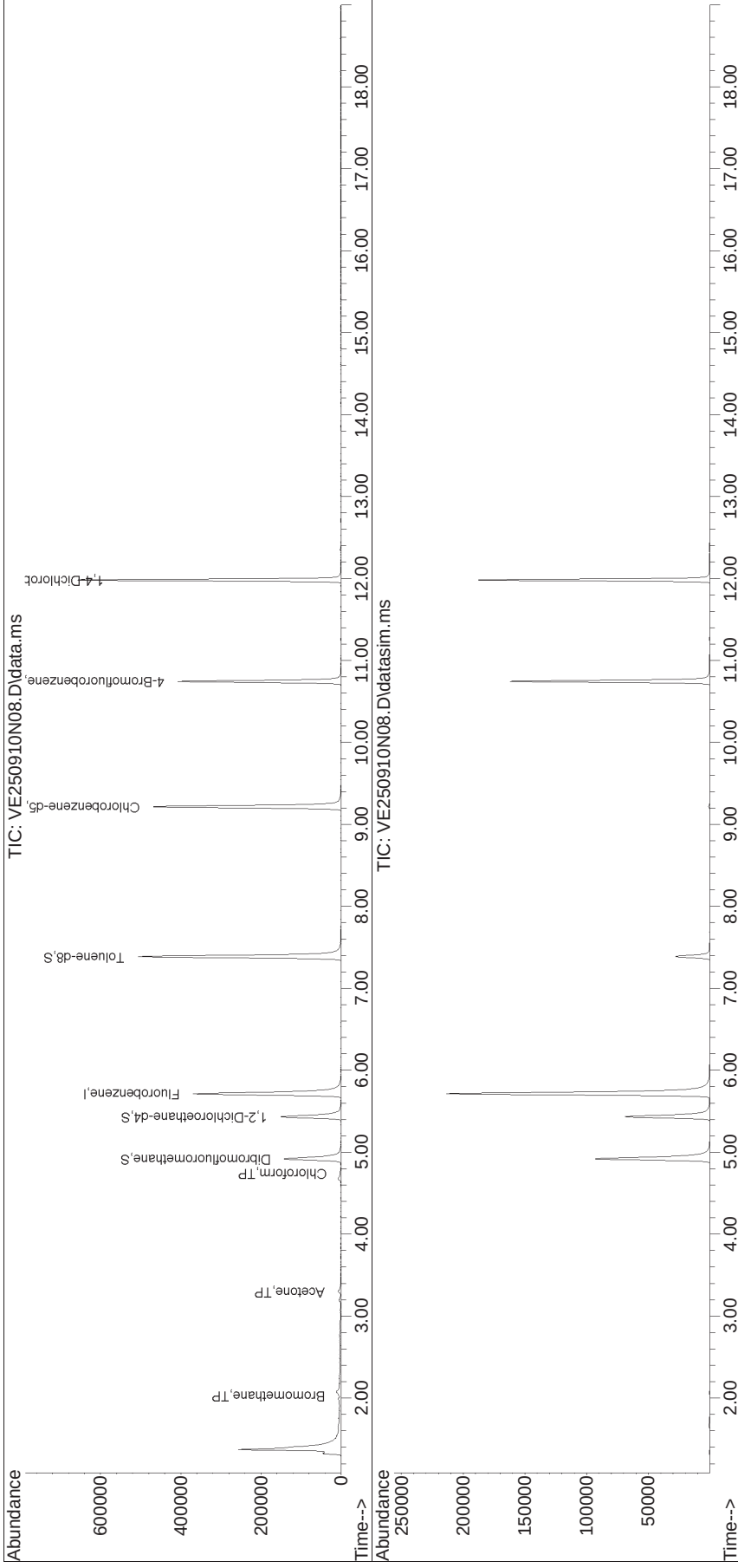
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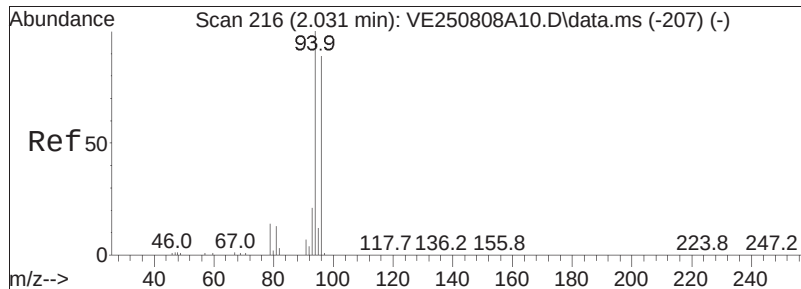
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
Data File : VE250910N08.D
Acq On : 10 Sep 2025 11:17 pm
Operator : ELAINE:MJV
Sample : 12555605-07,31,10,10,,a
Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 11 06:51:31 2025
Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 08:01:29 2025
Response via : Initial Calibration

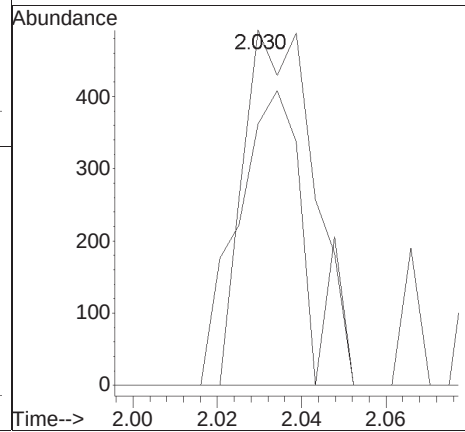
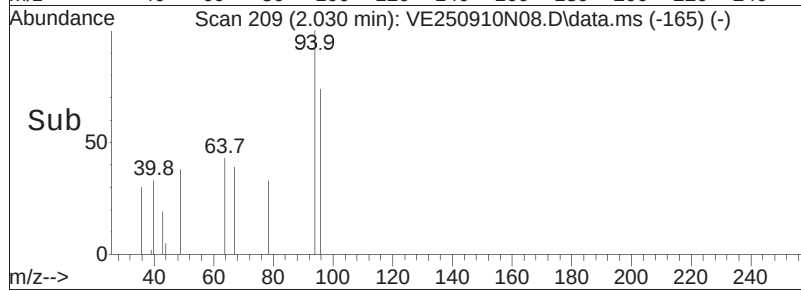
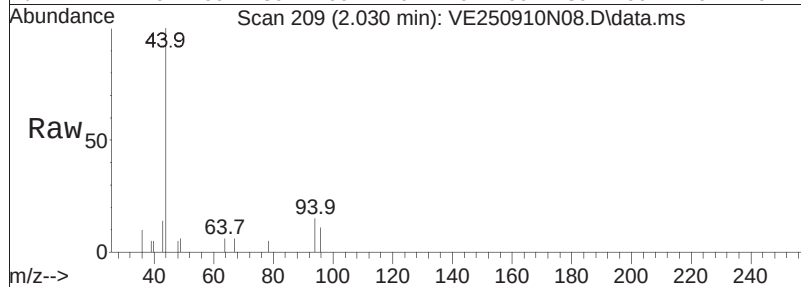
SAMPLE(S) : 8260KNYERaiheNY6000250910N0808080910N03.D

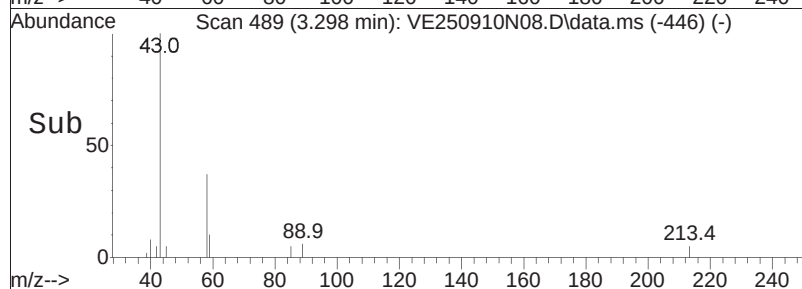
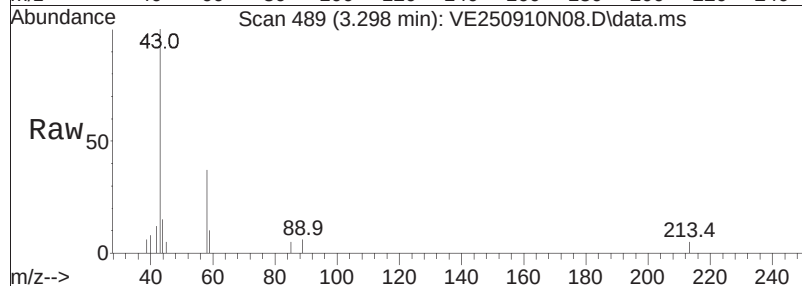
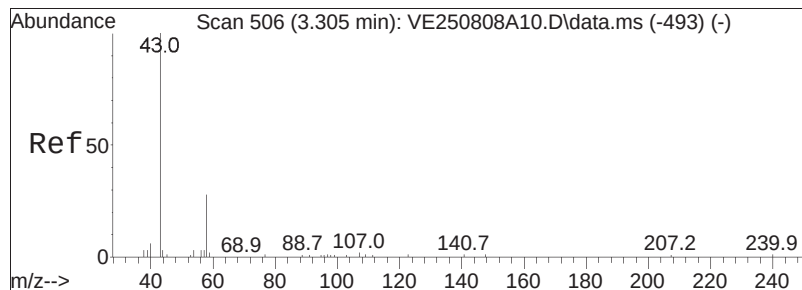




#5
 Bromomethane
 Concen: 0.11 ug/L
 RT: 2.030 min Scan# 209
 Delta R.T. -0.001 min
 Lab File: VE250910N08.D
 Acq: 10 Sep 2025 11:17 pm

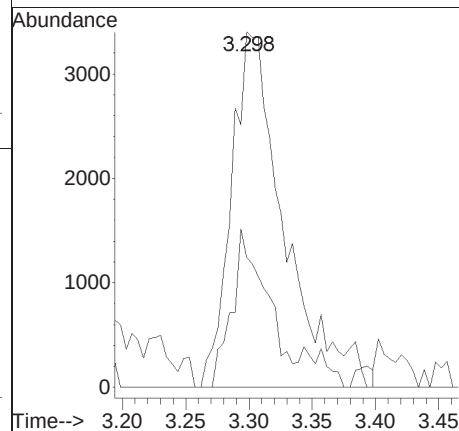
Tgt Ion: 94 Resp: 573
 Ion Ratio Lower Upper
 94 100
 96 81.2 71.7 111.7

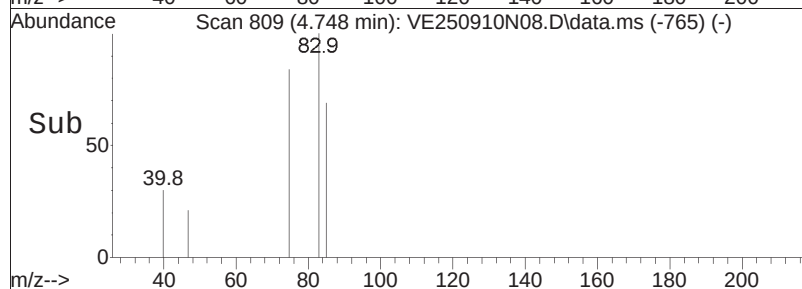
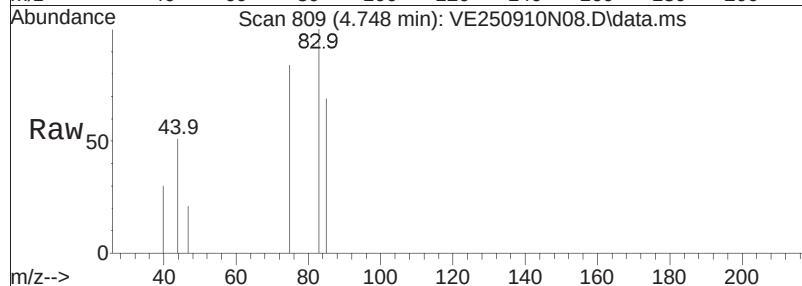
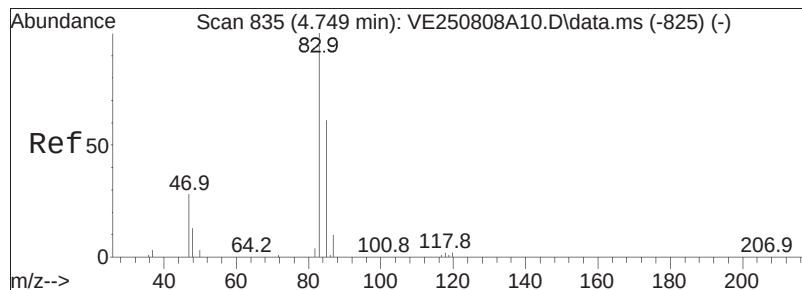




#17
Acetone
Concen: 3.39 ug/L
RT: 3.298 min Scan# 489
Delta R.T. -0.007 min
Lab File: VE250910N08.D
Acq: 10 Sep 2025 11:17 pm

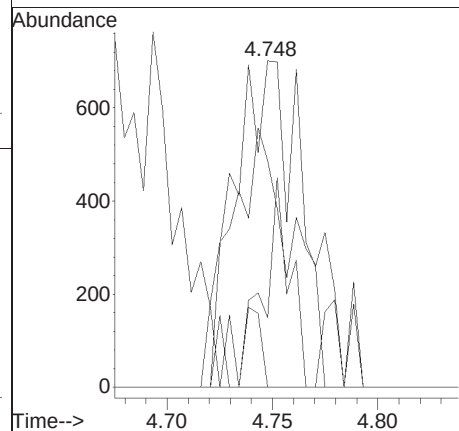
Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.7	41.5





#35
Chloroform
Concen: 0.09 ug/L
RT: 4.748 min Scan# 809
Delta R.T. -0.002 min
Lab File: VE250910N08.D
Acq: 10 Sep 2025 11:17 pm

Tgt	Ion: 83	Resp:	1659
Ion	Ratio	Lower	Upper
83	100		
85	69.0	40.9	84.9
47	26.5	16.8	35.0
48	5.4	9.1	18.9#



Manual Integration Report

Data Path	: K:\Elaine\2025\250910A\	QMethod	: Elaine_250808A_8260.m
Data File	: VE250910N08.D	Operator	: ELAINE:MJV
Date Inj'd	: 9/10/2025 11:17 pm	Instrument	: Elaine
Sample	: l2555605-07,31,10,10,,a	Quant Date	: 9/11/2025 6:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N09.D
 Acq On : 10 Sep 2025 11:42 pm
 Operator : ELAINE:MJV
 Sample : 12555605-08,31,10,10,,a
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 11 06:52:01 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	449768	10.000	ug/L	0.00
Standard Area 1 = 485831			Recovery	=	92.58%	
63) Chlorobenzene-d5	9.219	117	330454	10.000	ug/L	0.00
Standard Area 1 = 355794			Recovery	=	92.88%	
84) 1,4-Dichlorobenzene-d4	11.981	152	183730	10.000	ug/L	0.00
Standard Area 1 = 195575			Recovery	=	93.94%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.920	113	124364	10.544	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.44%	
47) 1,2-Dichloroethane-d4	5.432	65	147398	9.573	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.73%	
64) Toluene-d8	7.385	98	448326	10.207	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.07%	
88) 4-Bromofluorobenzene	10.743	95	157978	8.744	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	87.44%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.368	85	129	N.D.		
3) Chloromethane	1.676	50	380	N.D.		
4) Vinyl chloride	1.907	62	43	N.D.		
5) Bromomethane	2.034	94	477	0.090	ug/L	88
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	2.279	101	55	N.D.		
10) 1,1-Dichloroethene	2.804	96	41	N.D.		
11) Carbon disulfide	2.773	76	432	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.262	84	53	Below Cal	#	1
17) Acetone	3.294	43	2985	Below Cal	#	67
18) trans-1,2-Dichloroethene	3.534	96	52	N.D.		
19) Methyl acetate	3.425	43	141	N.D.		
21) Methyl tert-butyl ether	3.511	73	476	N.D.		
25) 1,1-Dichloroethane	3.987	63	48	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	4.743	83	8630	0.473	ug/L	97
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N09.D
 Acq On : 10 Sep 2025 11:42 pm
 Operator : ELAINE:MJV
 Sample : l2555605-08,31,10,10,,a
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 11 06:52:01 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
40)	1,1,1-Trichloroethane	0.000		0		N.D.		
42)	2-Butanone	0.000		0		N.D.	d	
45)	Benzene	5.309	78	852		N.D.		
48)	1,2-Dichloroethane	0.000		0		N.D.		
51)	Methyl cyclohexane	0.000		0		N.D.		
52)	Trichloroethene	0.000		0		N.D.		
55)	1,2-Dichloropropane	0.000		0		N.D.		
58)	Bromodichloromethane	0.000		0		N.D.		
62)	cis-1,3-Dichloropropene	7.126	75	40		N.D.		
65)	Toluene	7.437	92	1554		N.D.		
66)	4-Methyl-2-pentanone	0.000		0		N.D.		
67)	Tetrachloroethene	7.881	166	866	0.095	ug/L	#	47
69)	trans-1,3-Dichloropropene	0.000		0		N.D.		
72)	1,1,2-Trichloroethane	0.000		0		N.D.	d	
73)	Chlorodibromomethane	0.000		0		N.D.		
75)	1,2-Dibromoethane	0.000		0		N.D.		
77)	2-Hexanone	0.000		0		N.D.	d	
78)	Chlorobenzene	0.000		0		N.D.	d	
79)	Ethylbenzene	9.272	91	249		N.D.		
81)	p/m Xylene	9.276	106	52		N.D.		
82)	o Xylene	10.022	106	47		N.D.		
83)	Styrene	10.114	104	51		N.D.		
85)	Bromoform	10.110	173	126		N.D.		
87)	Isopropylbenzene	0.000		0		N.D.		
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.		
105)	1,3-Dichlorobenzene	11.911	146	57		N.D.		
106)	1,4-Dichlorobenzene	11.995	146	96		N.D.		
109)	1,2-Dichlorobenzene	12.426	146	41		N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.		
114)	1,2,4-Trichlorobenzene	13.840	180	93		N.D.		
116)	1,2,3-Trichlorobenzene	14.316	180	98		N.D.		

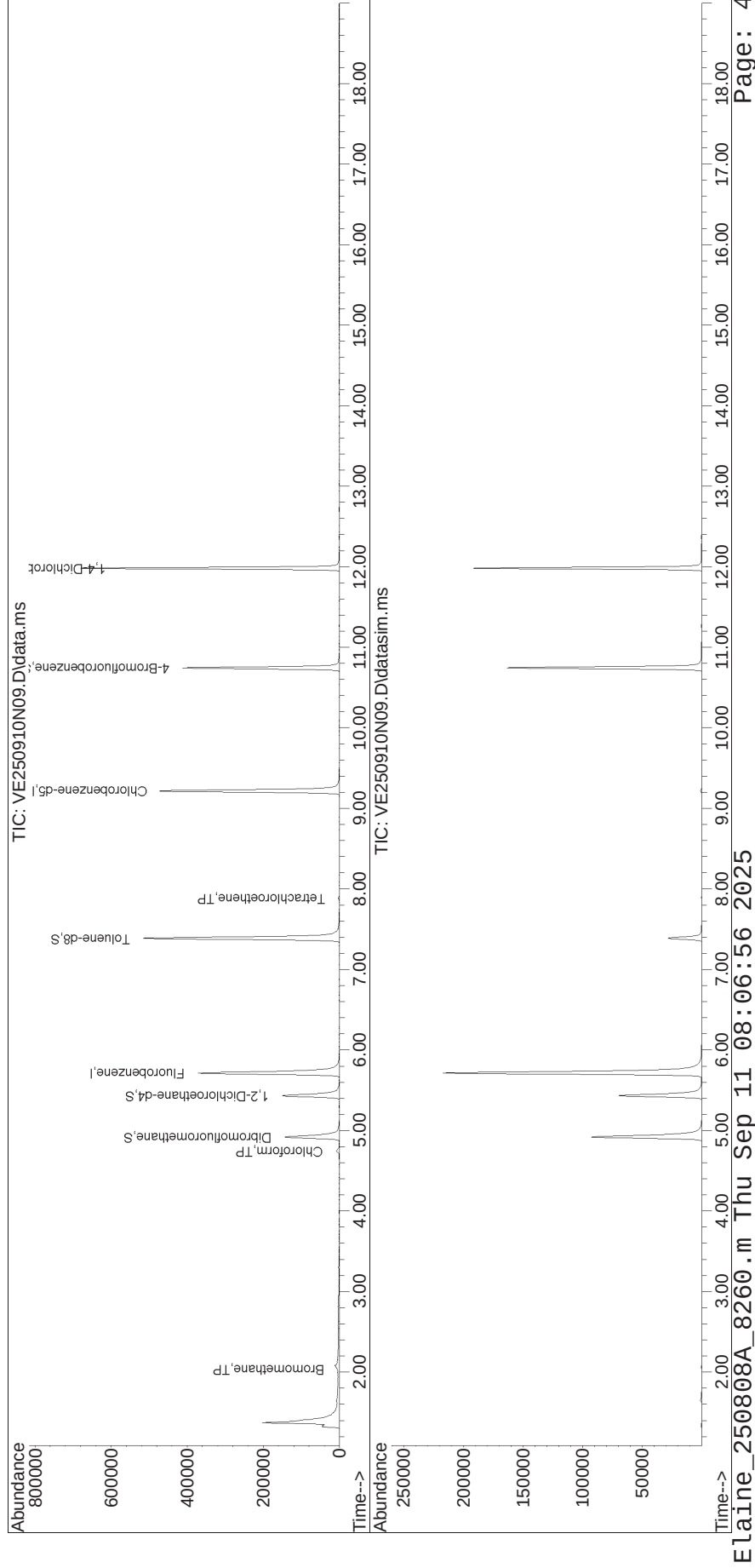
(#) = qualifier out of range (m) = manual integration (+) = signals summed

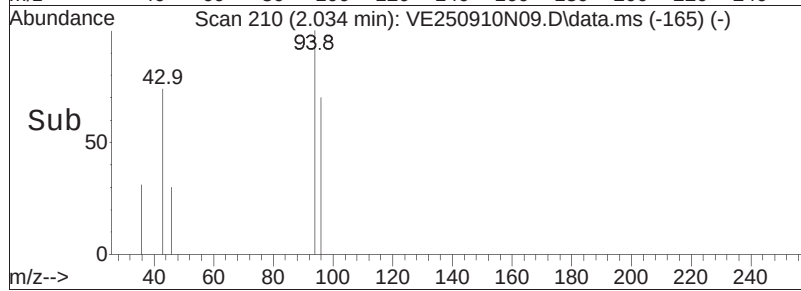
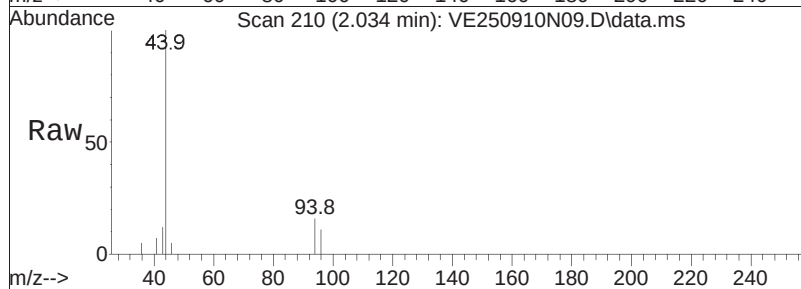
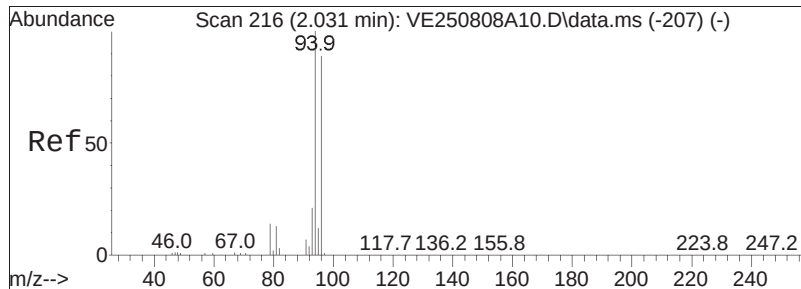
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
Data File : VE250910N09.D
Acq On : 10 Sep 2025 11:42 pm
Operator : ELAINE:MJV
Sample : 12555605-08,31,10,10,,a
Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 11 06:52:01 2025
Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 08:01:29 2025
Response via : Initial Calibration

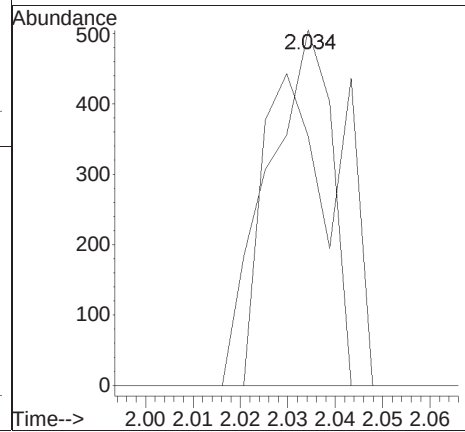
SAMPLE(S) : 8260KNYERaiheNY6000250910N09250808A

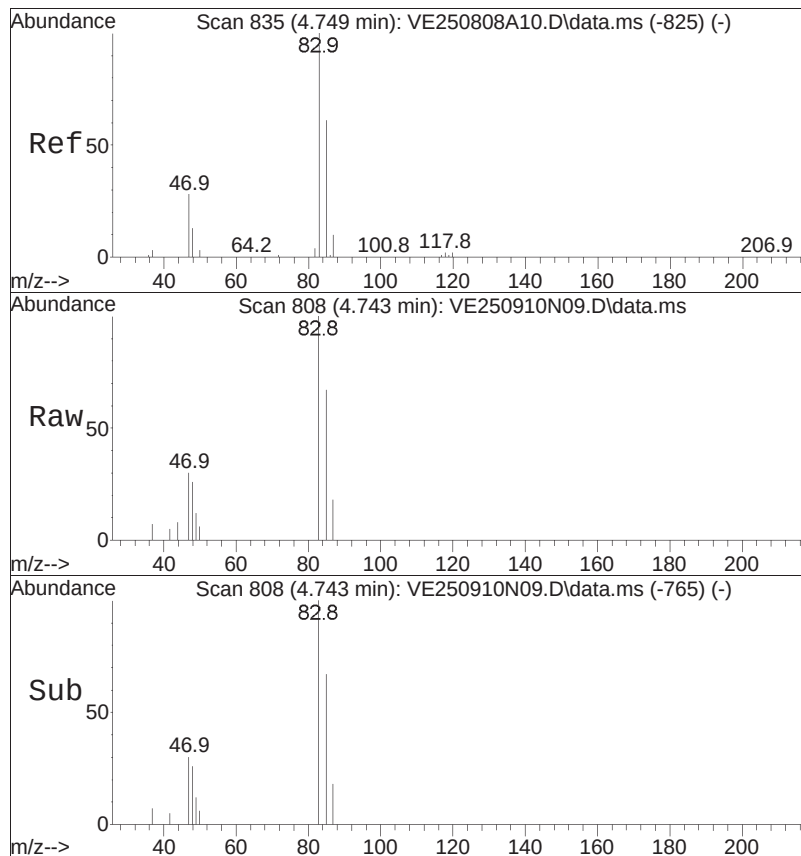




#5
 Bromomethane
 Concen: 0.09 ug/L
 RT: 2.034 min Scan# 210
 Delta R.T. 0.003 min
 Lab File: VE250910N09.D
 Acq: 10 Sep 2025 11:42 pm

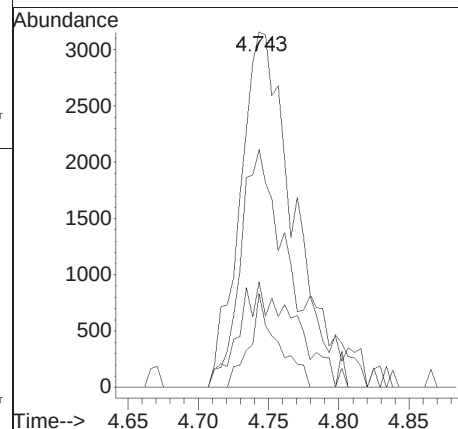
Tgt Ion: 94 Resp: 477
 Ion Ratio Lower Upper
 94 100
 96 102.9 71.7 111.7

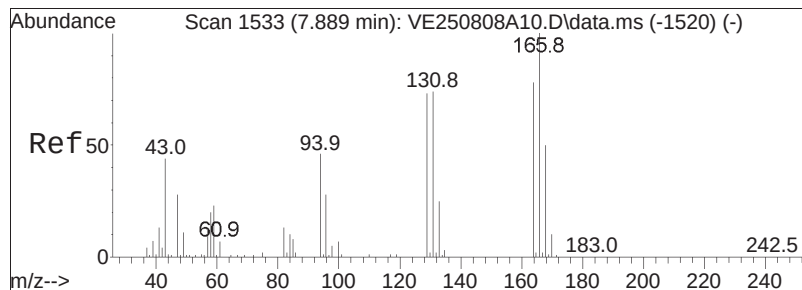




#35
 Chloroform
 Concen: 0.47 ug/L
 RT: 4.743 min Scan# 808
 Delta R.T. -0.006 min
 Lab File: VE250910N09.D
 Acq: 10 Sep 2025 11:42 pm

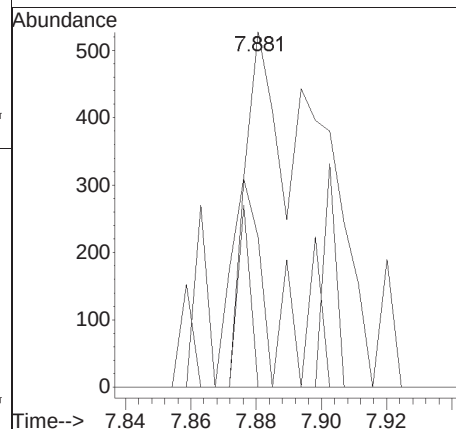
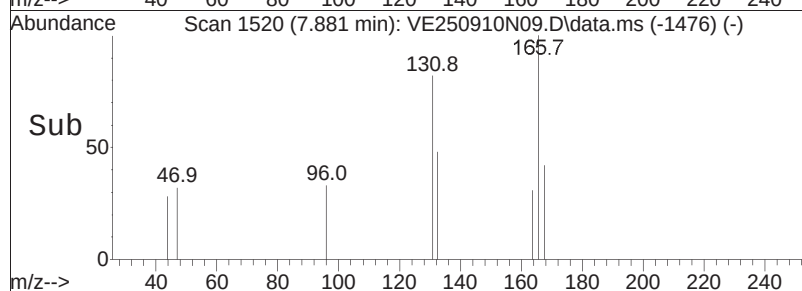
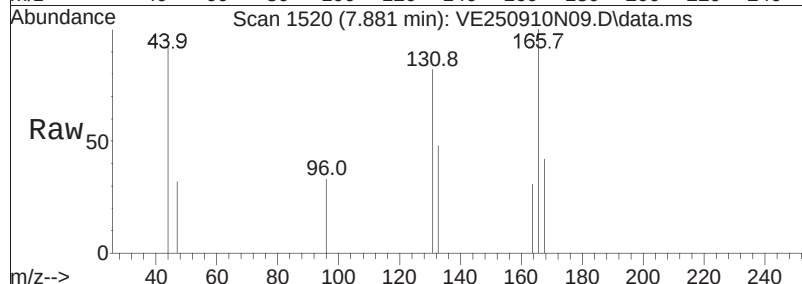
Tgt Ion:	83	Resp:	8630
Ion Ratio	Lower	Upper	
83	100		
85	64.6	40.9	84.9
47	30.0	16.8	35.0
48	13.5	9.1	18.9





#67
Tetrachloroethene
Concen: 0.09 ug/L
RT: 7.881 min Scan# 1520
Delta R.T. -0.009 min
Lab File: VE250910N09.D
Acq: 10 Sep 2025 11:42 pm

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	866		
168	16.2		28.8	68.8#
94	8.2		26.3	66.3#



Manual Integration Report

Data Path	: K:\Elaine\2025\250910A\	QMethod	: Elaine_250808A_8260.m
Data File	: VE250910N09.D	Operator	: ELAINE:MJV
Date Inj'd	: 9/10/2025 11:42 pm	Instrument	: Elaine
Sample	: l2555605-08,31,10,10,,a	Quant Date	: 9/11/2025 6:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N10.D
 Acq On : 11 Sep 2025 12:06 am
 Operator : ELAINE: MJV
 Sample : 12555605-09,31,10,10,,a
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 11 06:52:25 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	435897	10.000	ug/L	0.00
Standard Area 1 = 485831			Recovery	=	89.72%	
63) Chlorobenzene-d5	9.214	117	316456	10.000	ug/L	0.00
Standard Area 1 = 355794			Recovery	=	88.94%	
84) 1,4-Dichlorobenzene-d4	11.981	152	175902	10.000	ug/L	0.00
Standard Area 1 = 195575			Recovery	=	89.94%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.920	113	121811	10.656	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	106.56%	
47) 1,2-Dichloroethane-d4	5.432	65	143675	9.628	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.28%	
64) Toluene-d8	7.389	98	436291	10.373	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.73%	
88) 4-Bromofluorobenzene	10.743	95	149167	8.624	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	86.24%	
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.116	94	47	N.D.		
6) Chloroethane	2.034	64	89	N.D.		
7) Trichlorofluoromethane	2.170	101	43	N.D.		
10) 1,1-Dichloroethene	2.745	96	49	N.D.		
11) Carbon disulfide	2.754	76	194	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.307	43	3013	Below Cal	#	79
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.393	43	92	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	3.842	63	43	N.D.		
30) cis-1,2-Dichloroethene	4.616	96	61	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	4.770	83	42	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N10.D
 Acq On : 11 Sep 2025 12:06 am
 Operator : ELAINE:MJV
 Sample : l2555605-09,31,10,10,,a
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 11 06:52:25 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	4.884	97	50	N.D.		
42)	2-Butanone	0.000		0	N.D.	d	
45)	Benzene	5.379	78	41	N.D.		
48)	1,2-Dichloroethane	0.000		0	N.D.		
51)	Methyl cyclohexane	0.000		0	N.D.		
52)	Trichloroethene	0.000		0	N.D.		
55)	1,2-Dichloropropane	6.564	63	42	N.D.		
58)	Bromodichloromethane	0.000		0	N.D.		
62)	cis-1,3-Dichloropropene	0.000		0	N.D.		
65)	Toluene	7.442	92	71	N.D.		
66)	4-Methyl-2-pentanone	0.000		0	N.D.		
67)	Tetrachloroethene	7.911	166	47	N.D.		
69)	trans-1,3-Dichloropropene	0.000		0	N.D.		
72)	1,1,2-Trichloroethane	0.000		0	N.D.		
73)	Chlorodibromomethane	8.166	129	45	N.D.		
75)	1,2-Dibromoethane	0.000		0	N.D.		
77)	2-Hexanone	8.898	43	45	N.D.		
78)	Chlorobenzene	9.113	112	49	N.D.		
79)	Ethylbenzene	9.293	91	41	N.D.		
81)	p/m Xylene	0.000		0	N.D.		
82)	o Xylene	0.000		0	N.D.		
83)	Styrene	10.110	104	44	N.D.		
85)	Bromoform	0.000		0	N.D.		
87)	Isopropylbenzene	10.417	105	50	N.D.		
92)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105)	1,3-Dichlorobenzene	11.906	146	40	N.D.		
106)	1,4-Dichlorobenzene	11.999	146	47	N.D.		
109)	1,2-Dichlorobenzene	0.000		0	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114)	1,2,4-Trichlorobenzene	13.845	180	144	N.D.		
116)	1,2,3-Trichlorobenzene	14.316	180	43	N.D.		

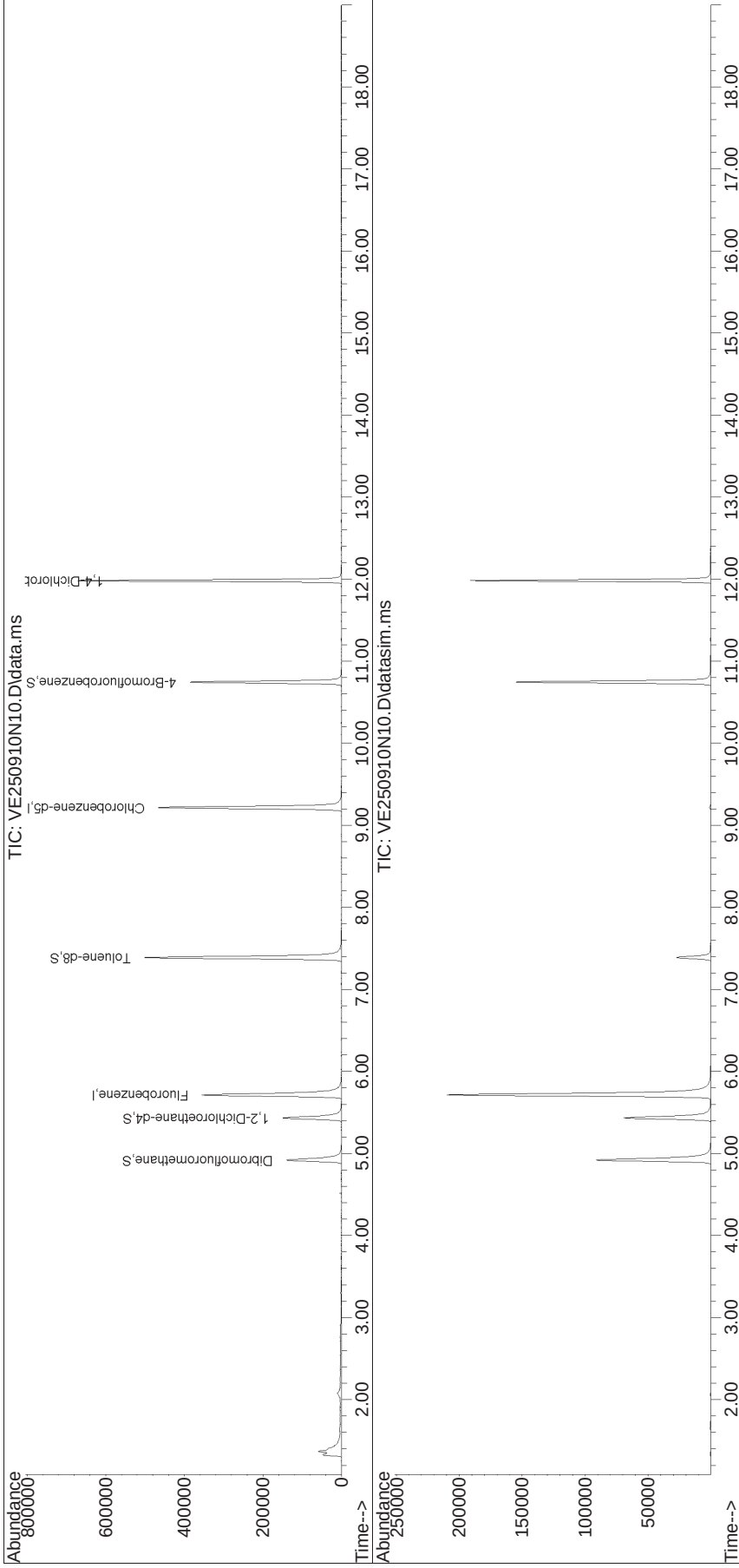
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
Data File : VE250910N10.D
Acq On : 11 Sep 2025 12:06 am
Operator : ELAINE:MJV
Sample : 12555605-09,31,10,10,,a
Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 11 06:52:25 2025
Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 08:01:29 2025
Response via : Initial Calibration

SAMPLE(S) : 8260KNYERaiheNY6000250910N10A3E2B0910N03.D



Manual Integration Report

Data Path	: K:\Elaine\2025\250910A\	QMethod	: Elaine_250808A_8260.m
Data File	: VE250910N10.D	Operator	: ELAINE:MJV
Date Inj'd	: 9/11/2025 12:06 am	Instrument	: Elaine
Sample	: l2555605-09,31,10,10,,a	Quant Date	: 9/11/2025 6:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A06.D
 Acq On : 11 Sep 2025 9:25 am
 Operator : VOA105:mjv
 Sample : L2555605-01,31,10,10,,A
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 14:10:18 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	261319	10.000	ug/L	0.00
Standard Area 1 = 298590			Recovery =	87.52%		
59) Chlorobenzene-d5	8.992	117	191723	10.000	ug/L	0.00
Standard Area 1 = 215521			Recovery =	88.96%		
79) 1,4-Dichlorobenzene-d4	11.797	152	102900	10.000	ug/L	0.00
Standard Area 1 = 125132			Recovery =	82.23%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	81444	10.949	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.49%		
43) 1,2-Dichloroethane-d4	5.238	65	105860	9.943	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.43%		
60) Toluene-d8	7.164	98	259948	10.219	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.19%		
83) 4-Bromofluorobenzene	10.538	95	92175	9.856	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.56%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.931	94	63	N.D.		
6) Chloroethane	2.048	64	157	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.618	76	308	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.201	43	2259M1	1.857	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A06.D
 Acq On : 11 Sep 2025 9:25 am
 Operator : VOA105:mjv
 Sample : L2555605-01,31,10,10,,A
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 14:10:18 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	0.000		0		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	
47)	Methyl cyclohexane	0.000		0		N.D.	
48)	Trichloroethene	5.640	95	69		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	7.228	92	378		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	0.000		0		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	0.000		0		N.D.	
73)	Chlorobenzene	0.000		0		N.D.	
74)	Ethylbenzene	8.985	91	488		N.D.	
76)	p/m Xylene	0.000		0		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

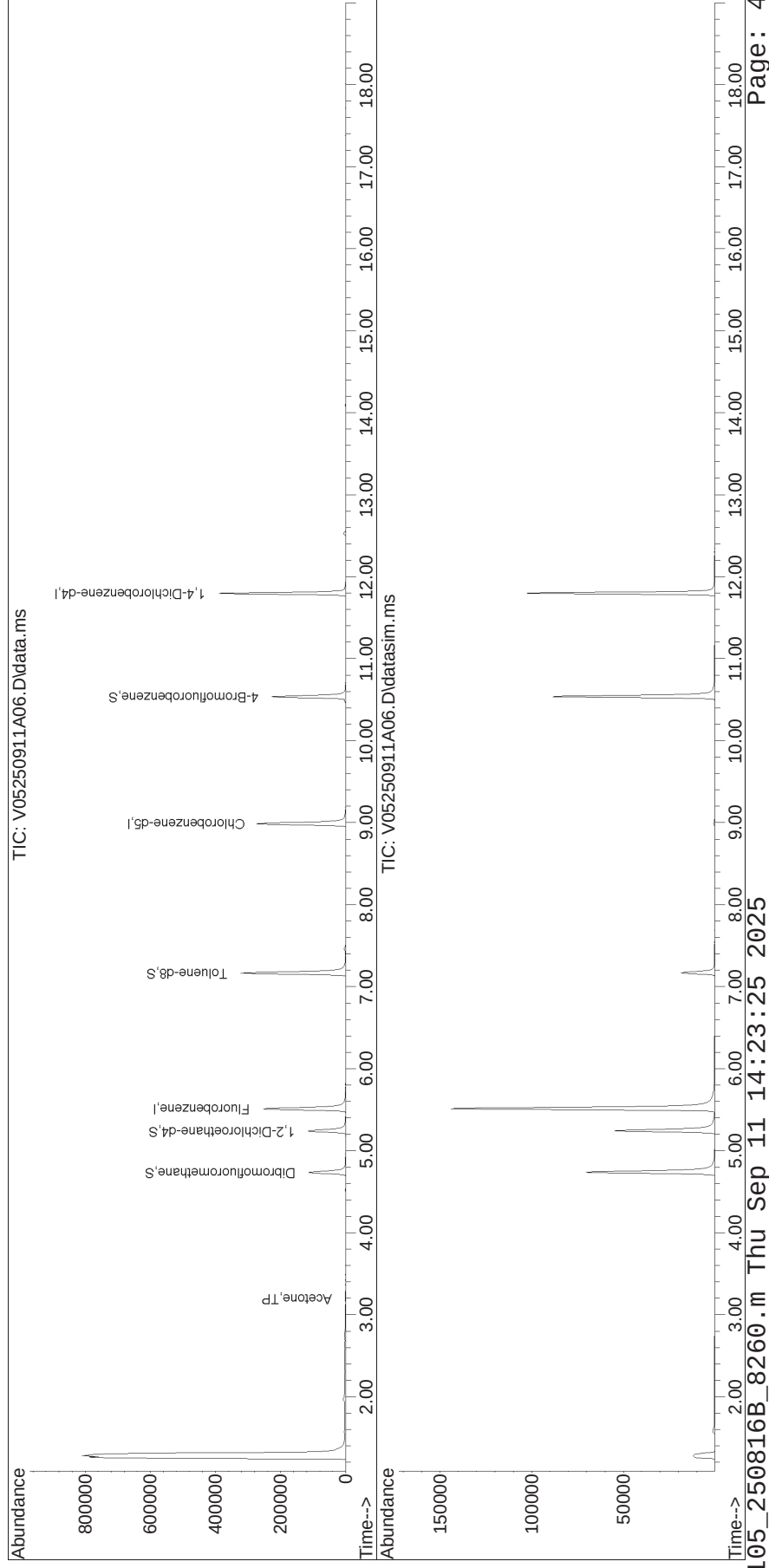
(#) = qualifier out of range (m) = manual integration (+) = signals summed

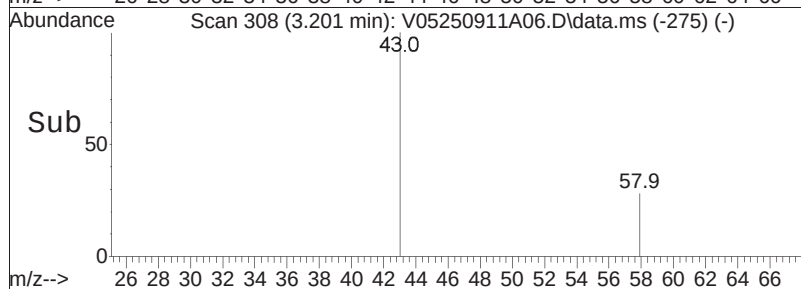
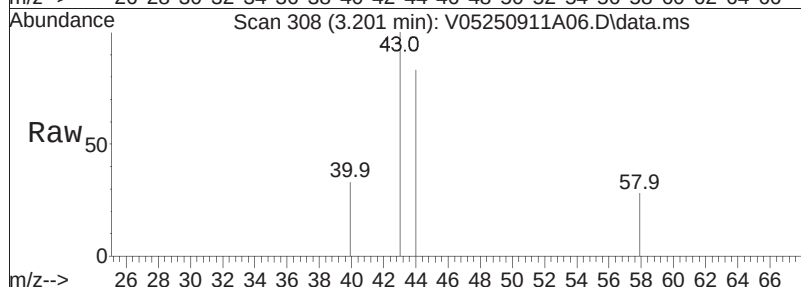
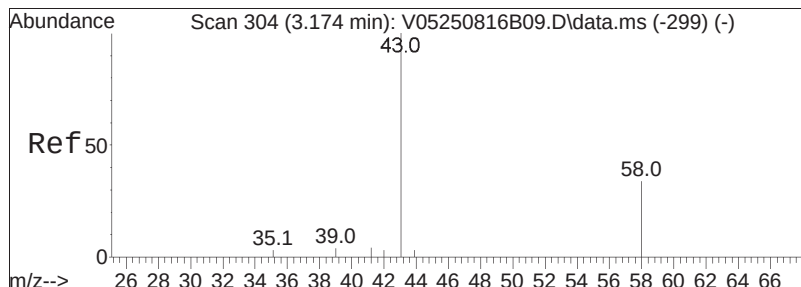
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
Data File : V05250911A06.D
Acq On : 11 Sep 2025 9:25 am
Operator : VOA105:mjv
Sample : L2555605-01,31,10,10,,A
Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 14:10:18 2025
Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:47:41 2025
Response via : Initial Calibration

SOALLISTE(s) : 8260KNXV02105N250911A06.D





#17

Acetone

Concen: 1.86 ug/L M1

RT: 3.201 min Scan# 308

Delta R.T. 0.027 min

Lab File: V05250911A06.D

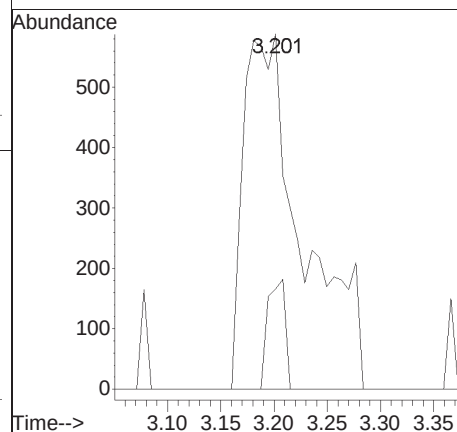
Acq: 11 Sep 2025 9:25 am

Tgt Ion: 43 Resp: 2259

Ion Ratio Lower Upper

43 100

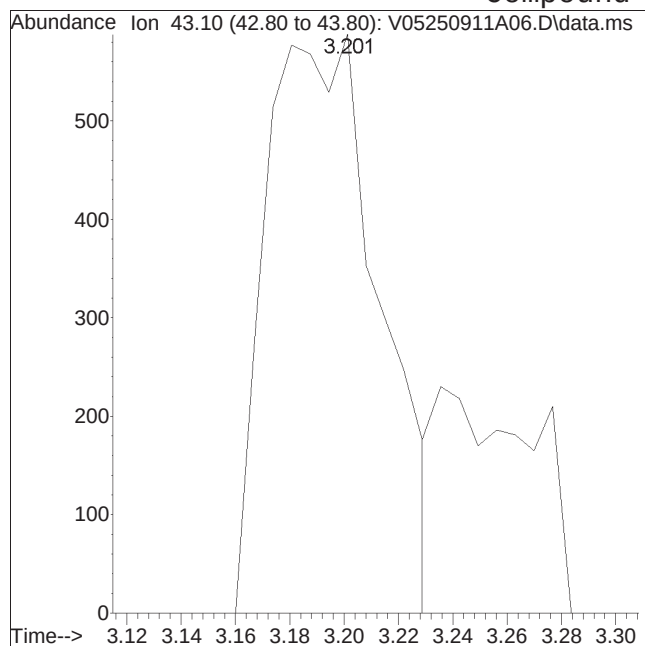
58 9.2 26.6 40.0#



Manual Integration Report

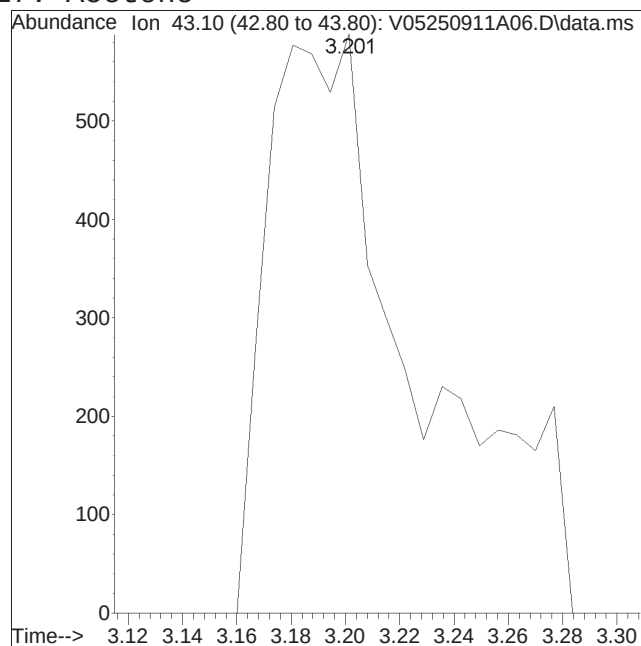
Data Path : K:\V0A105\2025\250911A\ QMethod : V105_250816B_8260.m
Data File : V05250911A06.D Operator : V0A105:mjv
Date Inj'd : 9/11/2025 9:25 am Instrument : V0A105
Sample : L2555605-01,31,10,10,,A Quant Date : 9/11/2025 1:58 pm

Compound #17: Acetone



Original Peak Response = 1699

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 2259 M1

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A07.D
 Acq On : 11 Sep 2025 9:51 am
 Operator : VOA105:mjv
 Sample : L2555605-02,31,10,10,,A
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 14:10:35 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	256503	10.000	ug/L	0.00
Standard Area 1 = 298590			Recovery =	85.90%		
59) Chlorobenzene-d5	8.992	117	186775	10.000	ug/L	0.00
Standard Area 1 = 215521			Recovery =	86.66%		
79) 1,4-Dichlorobenzene-d4	11.797	152	99477	10.000	ug/L	0.00
Standard Area 1 = 125132			Recovery =	79.50%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	81489	11.160	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	111.60%		
43) 1,2-Dichloroethane-d4	5.238	65	105040	10.052	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.52%		
60) Toluene-d8	7.164	98	252043	10.171	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.71%		
83) 4-Bromofluorobenzene	10.538	95	90086	9.964	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.64%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.588	50	130	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.925	94	65	N.D.		
6) Chloroethane	2.000	64	224	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.590	96	234	N.D.		
11) Carbon disulfide	2.618	76	86	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.188	43	2539	2.126	ug/L #	80
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.359	73	427	N.D.		
23) 1,1-Dichloroethane	3.819	63	226	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.567	83	1477	0.112	ug/L #	86
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A07.D
 Acq On : 11 Sep 2025 9:51 am
 Operator : VOA105:mjv
 Sample : L2555605-02,31,10,10,,A
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 14:10:35 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37)	1,1,1-Trichloroethane	4.739	97	1098	0.089	ug/L	#	93
39)	2-Butanone	0.000		0	N.D.	d		
41)	Benzene	0.000		0	N.D.			
44)	1,2-Dichloroethane	0.000		0	N.D.			
47)	Methylcyclohexane	0.000		0	N.D.			
48)	Trichloroethene	5.668	95	68	N.D.			
51)	1,2-Dichloropropane	0.000		0	N.D.			
54)	Bromodichloromethane	0.000		0	N.D.			
58)	cis-1,3-Dichloropropene	0.000		0	N.D.			
61)	Toluene	0.000		0	N.D.			
62)	4-Methyl-2-pentanone	0.000		0	N.D.			
63)	Tetrachloroethene	0.000		0	N.D.			
65)	trans-1,3-Dichloropropene	0.000		0	N.D.			
68)	1,1,2-Trichloroethane	0.000		0	N.D.			
69)	Chlorodibromomethane	0.000		0	N.D.			
71)	1,2-Dibromoethane	0.000		0	N.D.			
72)	2-Hexanone	0.000		0	N.D.			
73)	Chlorobenzene	0.000		0	N.D.			
74)	Ethylbenzene	8.992	91	242	N.D.			
76)	p/m Xylene	0.000		0	N.D.			
77)	o Xylene	0.000		0	N.D.			
78)	Styrene	0.000		0	N.D.			
80)	Bromoform	0.000		0	N.D.			
82)	Isopropylbenzene	0.000		0	N.D.			
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
100)	1,3-Dichlorobenzene	0.000		0	N.D.			
101)	1,4-Dichlorobenzene	0.000		0	N.D.			
104)	1,2-Dichlorobenzene	0.000		0	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.			
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.			

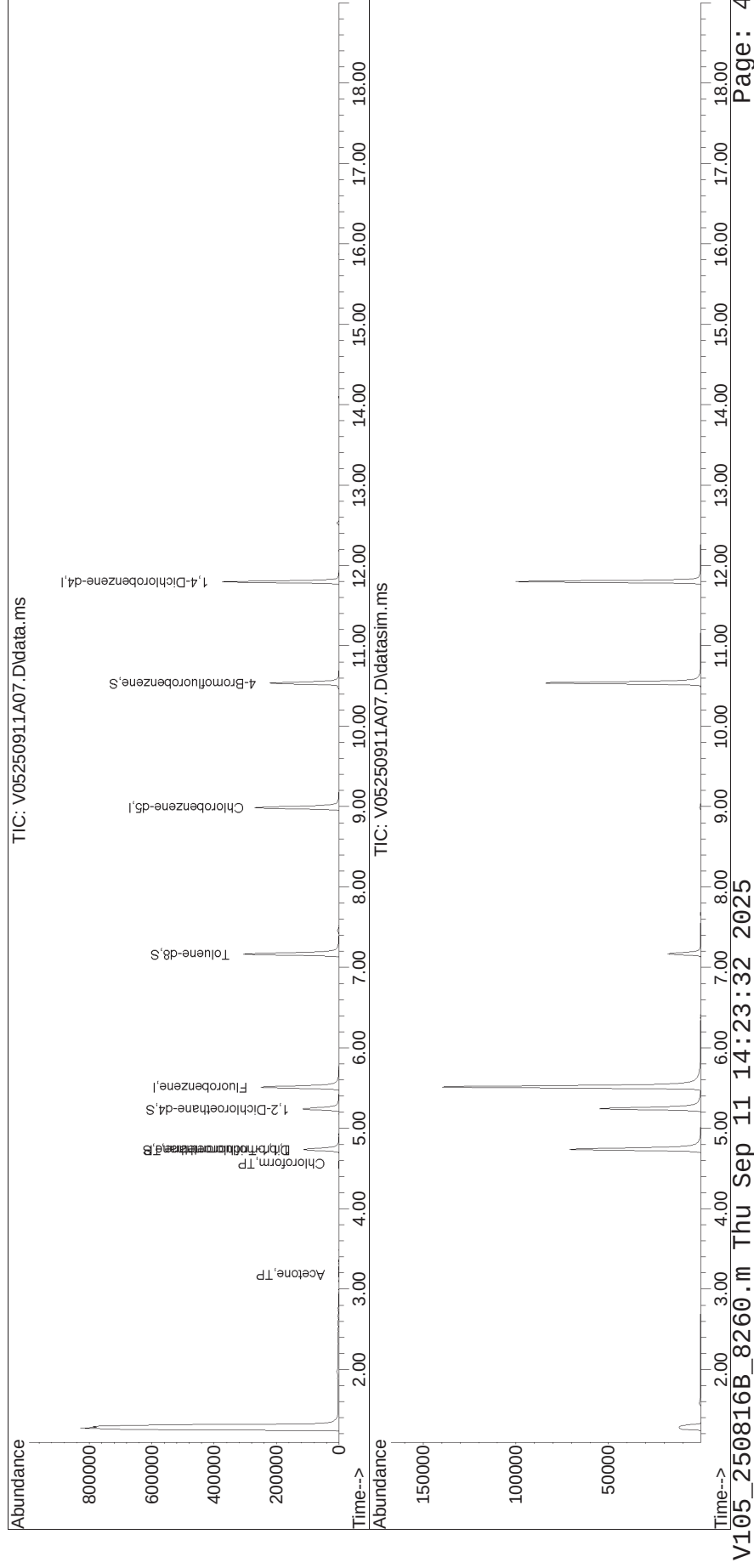
(#) = qualifier out of range (m) = manual integration (+) = signals summed

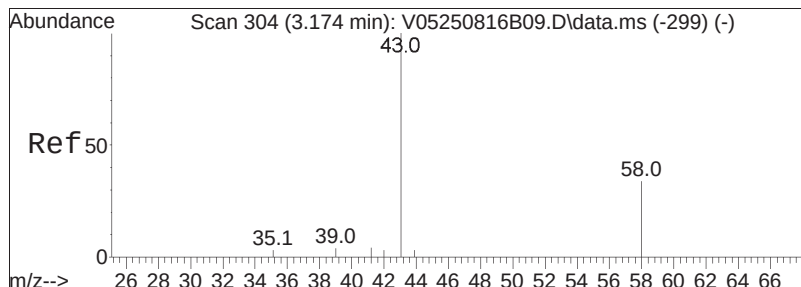
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
Data File : V05250911A07.D
Acq On : 11 Sep 2025 9:51 am
Operator : VOA105:mjv
Sample : L2555605-02,31,10,10,,A
Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 14:10:35 2025
Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:47:41 2025
Response via : Initial Calibration

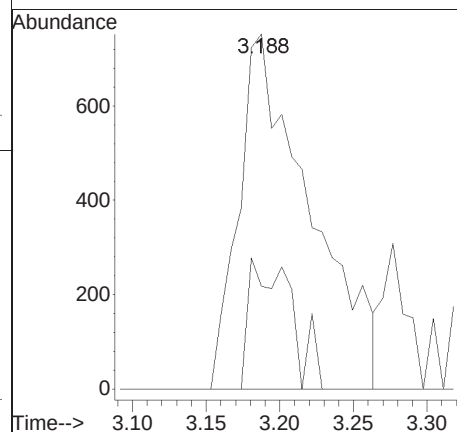
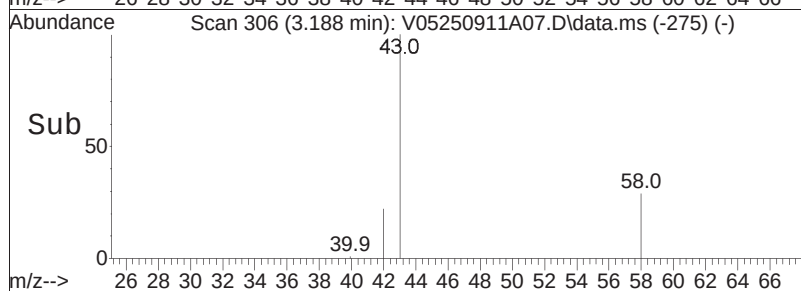
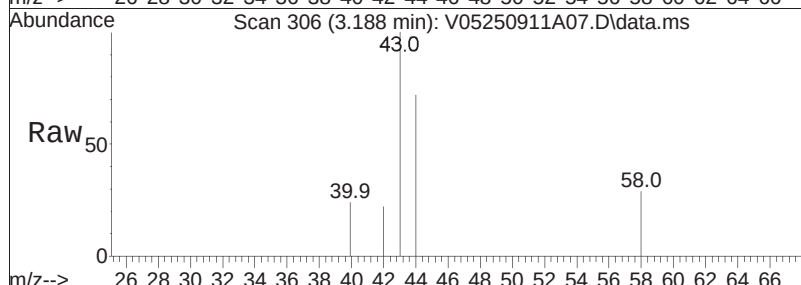
SOALLISTE(s) : 8260KNXV02105N250911A07.D

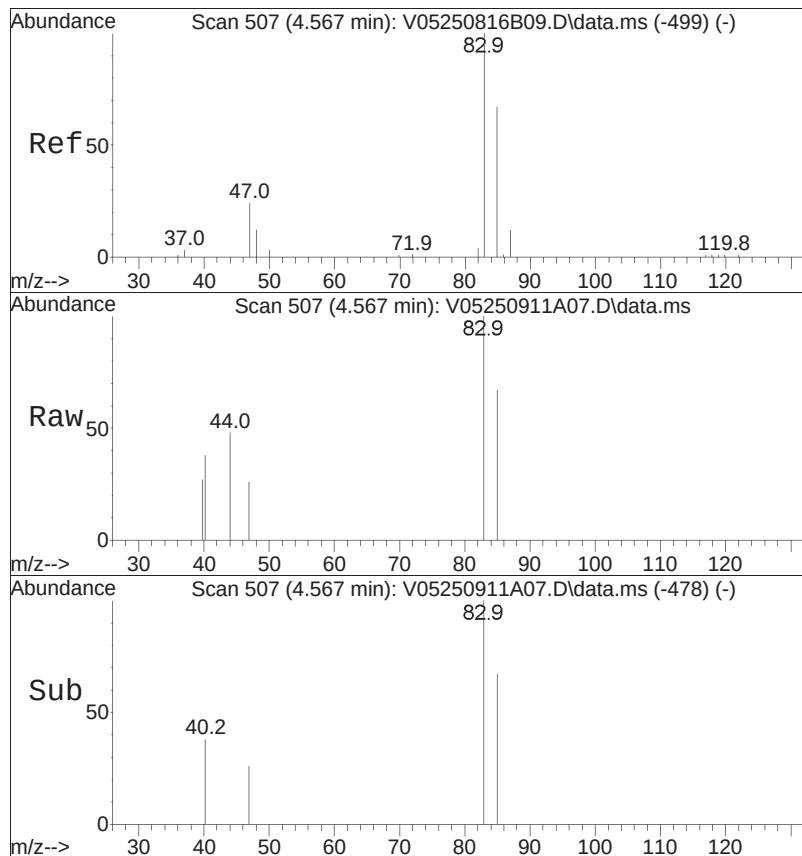




#17
 Acetone
 Concen: 2.13 ug/L
 RT: 3.188 min Scan# 306
 Delta R.T. 0.014 min
 Lab File: V05250911A07.D
 Acq: 11 Sep 2025 9:51 am

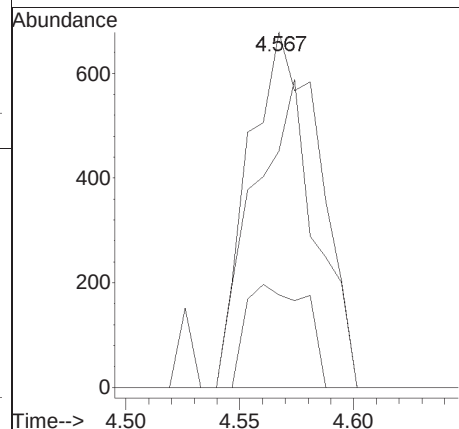
Tgt Ion: 43 Resp: 2539
 Ion Ratio Lower Upper
 43 100
 58 21.7 26.6 40.0#

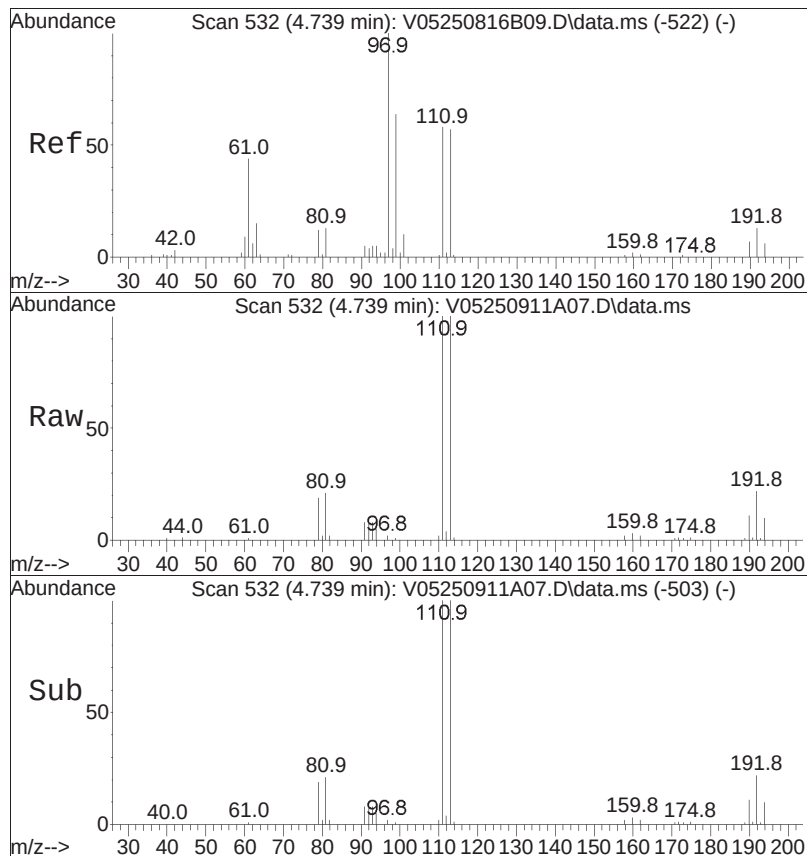




#32
 Chloroform
 Concen: 0.11 ug/L
 RT: 4.567 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: V05250911A07.D
 Acq: 11 Sep 2025 9:51 am

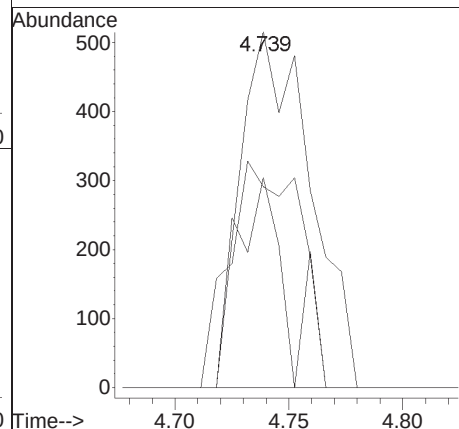
Tgt	Ion: 83	Resp:	1477
Ion	Ratio	Lower	Upper
83	100		
85	76.8	42.6	88.4
47	24.6	15.5	32.3
48	0.0	8.4	17.4#





#37
 1,1,1-Trichloroethane
 Concen: 0.09 ug/L
 RT: 4.739 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: V05250911A07.D
 Acq: 11 Sep 2025 9:51 am

Tgt Ion:	97	Resp:	1098
Ion	Ratio	Lower	Upper
97	100		
99	64.8	41.9	86.9
61	43.1	30.4	63.0
63	0.0	9.6	20.0#



Manual Integration Report

Data Path	: K:\V0A105\2025\250911A\	QMethod	: V105_250816B_8260.m
Data File	: V05250911A07.D	Operator	: V0A105:mjv
Date Inj'd	: 9/11/2025 9:51 am	Instrument	: V0A105
Sample	: L2555605-02,31,10,10,,A	Quant Date	: 9/11/2025 1:58 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A08.D
 Acq On : 11 Sep 2025 10:16 am
 Operator : VOA105:mjv
 Sample : L2555605-03,31,10,10,,A
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 14:10:49 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	256006	10.000	ug/L	0.00
Standard Area 1 = 298590			Recovery	=	85.74%	
59) Chlorobenzene-d5	8.985	117	187910	10.000	ug/L	0.00
Standard Area 1 = 215521			Recovery	=	87.19%	
79) 1,4-Dichlorobenzene-d4	11.797	152	100495	10.000	ug/L	0.00
Standard Area 1 = 125132			Recovery	=	80.31%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	79837	10.955	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	109.55%	
43) 1,2-Dichloroethane-d4	5.238	65	108861	10.437	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	104.37%	
60) Toluene-d8	7.165	98	253854	10.182	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.82%	
83) 4-Bromofluorobenzene	10.538	95	88511	9.691	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.91%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.918	94	137	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.591	96	2079	0.387	ug/L	94
11) Carbon disulfide	0.000		0	N.D.	d	
12) Freon-113	2.611	101	66	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.188	43	1964	1.648	ug/L #	56
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.298	43	107	N.D.		
20) Methyl tert-butyl ether	3.353	73	812	N.D.		
23) 1,1-Dichloroethane	3.812	63	9926	0.695	ug/L	99
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.567	83	4277	0.326	ug/L	95
34) Carbon tetrachloride	4.732	117	720	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A08.D
 Acq On : 11 Sep 2025 10:16 am
 Operator : VOA105:mjv
 Sample : L2555605-03,31,10,10,,A
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 14:10:49 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	4.739	97	7178	0.585	ug/L	97
39)	2-Butanone	0.000		0	N.D.		
41)	Benzene	0.000		0	N.D.		
44)	1,2-Dichloroethane	0.000		0	N.D.		
47)	Methyl cyclohexane	0.000		0	N.D.		
48)	Trichloroethene	5.690	95	1210	0.173	ug/L #	56
51)	1,2-Dichloropropane	6.219	63	6710	0.918	ug/L	96
54)	Bromodichloromethane	0.000		0	N.D.		
58)	cis-1,3-Dichloropropene	0.000		0	N.D.		
61)	Toluene	7.228	92	69	N.D.		
62)	4-Methyl-2-pentanone	0.000		0	N.D.		
63)	Tetrachloroethene	7.658	166	7512	1.107	ug/L	93
65)	trans-1,3-Dichloropropene	0.000		0	N.D.		
68)	1,1,2-Trichloroethane	0.000		0	N.D.		
69)	Chlorodibromomethane	0.000		0	N.D.		
71)	1,2-Dibromoethane	0.000		0	N.D.		
72)	2-Hexanone	0.000		0	N.D.		
73)	Chlorobenzene	0.000		0	N.D.		
74)	Ethylbenzene	8.992	91	95	N.D.		
76)	p/m Xylene	0.000		0	N.D.		
77)	o Xylene	0.000		0	N.D.		
78)	Styrene	0.000		0	N.D.		
80)	Bromoform	0.000		0	N.D.		
82)	Isopropylbenzene	0.000		0	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

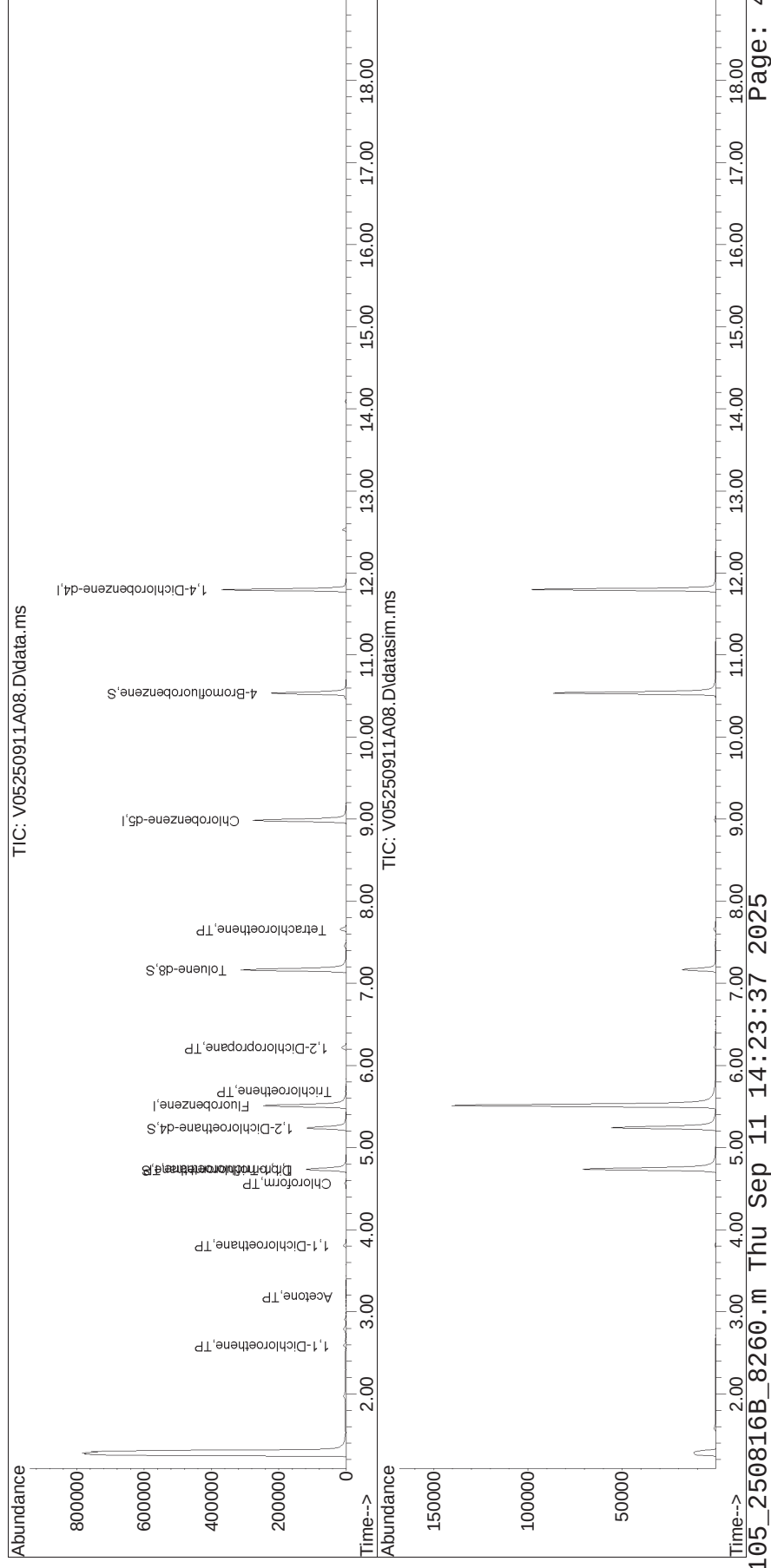
(#) = qualifier out of range (m) = manual integration (+) = signals summed

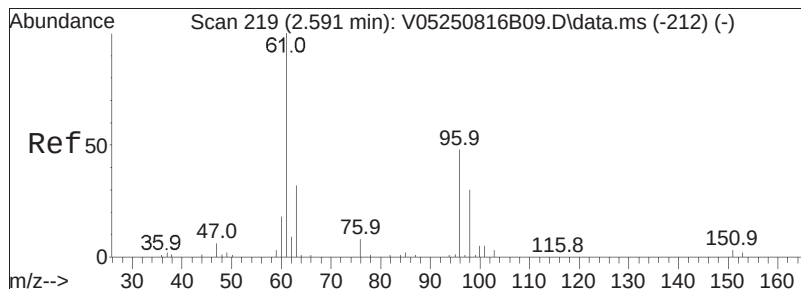
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
Data File : V05250911A08.D
Acq On : 11 Sep 2025 10:16 am
Operator : VOA105:mjv
Sample : L2555605-03,31,10,10,,A
Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 14:10:49 2025
Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:47:41 2025
Response via : Initial Calibration

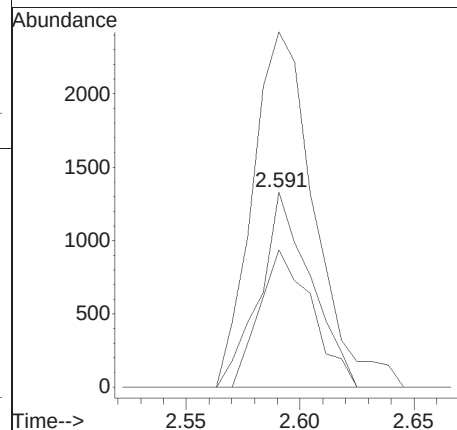
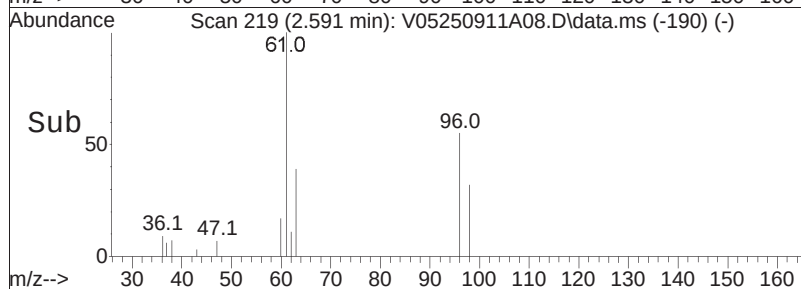
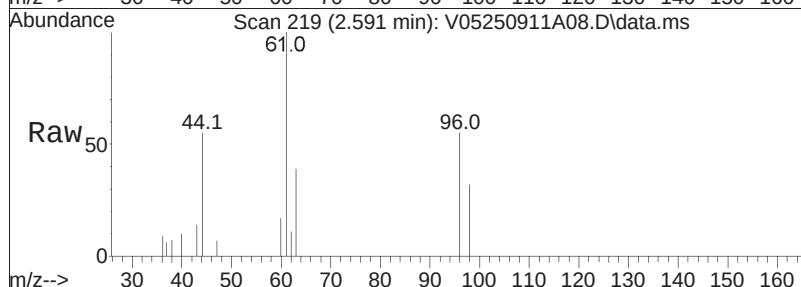
60ALLISTE(s) : 8260KNV05250911A08.D\data.ms

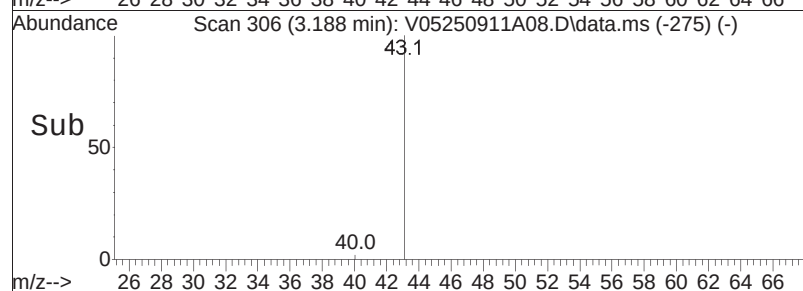
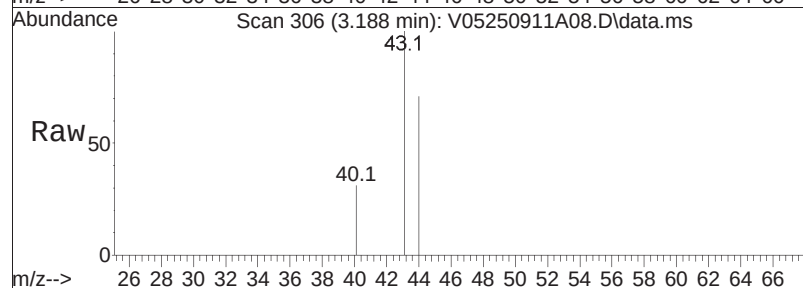
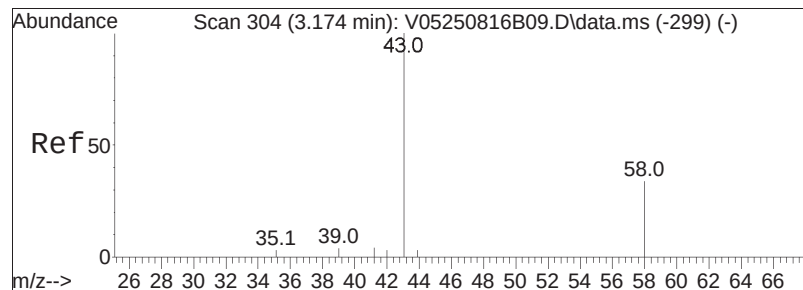




#10
 1,1-Dichloroethene
 Concen: 0.39 ug/L
 RT: 2.591 min Scan# 219
 Delta R.T. -0.000 min
 Lab File: V05250911A08.D
 Acq: 11 Sep 2025 10:16 am

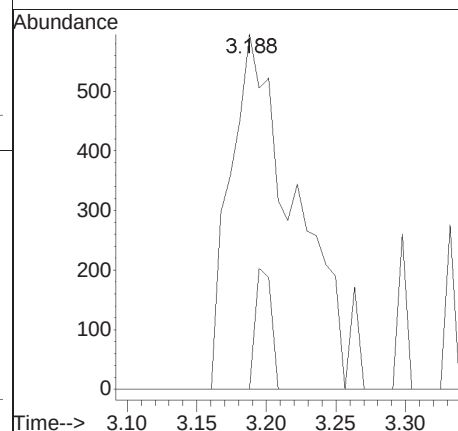
Tgt Ion	Ratio	Lower	Upper
96	100		
61	220.4	169.4	254.2
63	72.2	52.9	79.3

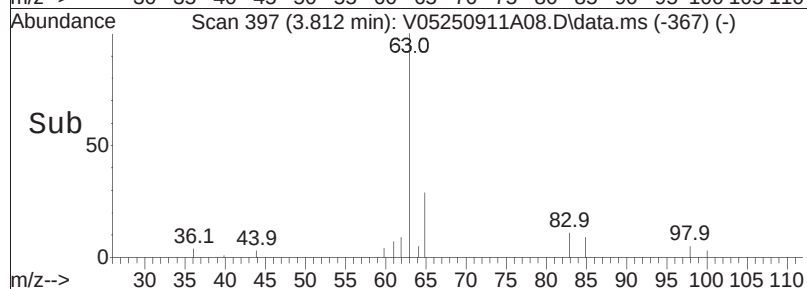
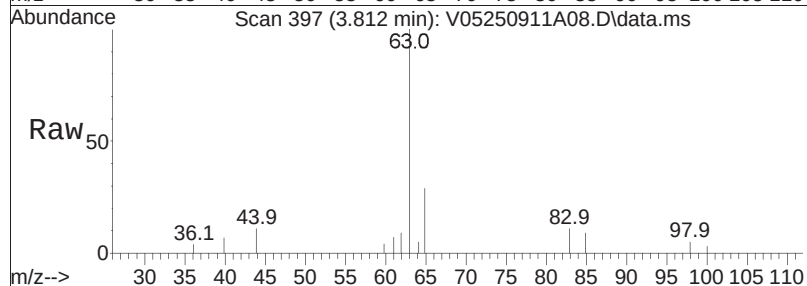
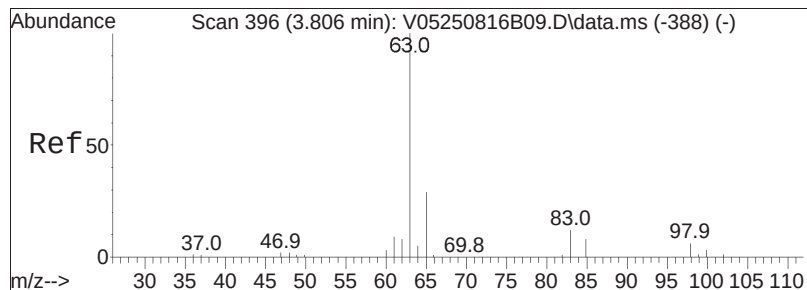




#17
Acetone
Concen: 1.65 ug/L
RT: 3.188 min Scan# 306
Delta R.T. 0.014 min
Lab File: V05250911A08.D
Acq: 11 Sep 2025 10:16 am

Tgt Ion	Ratio	Lower	Upper
43	100		
58	8.2	26.6	40.0#





#23

1,1-Dichloroethane

Concen: 0.69 ug/L

RT: 3.812 min Scan# 397

Delta R.T. 0.006 min

Lab File: V05250911A08.D

Acq: 11 Sep 2025 10:16 am

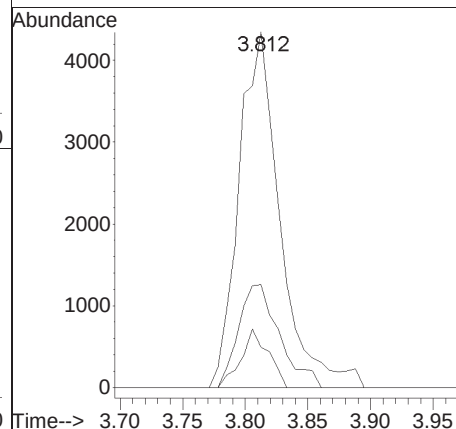
Tgt Ion: 63 Resp: 9926

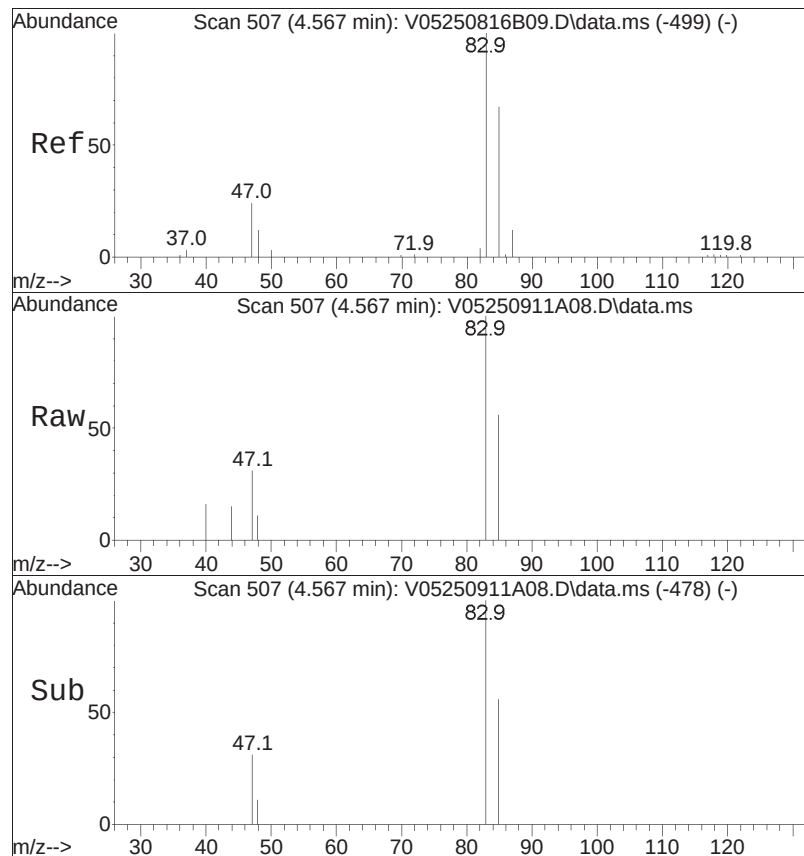
Ion Ratio Lower Upper

63 100

65 28.8 8.6 48.6

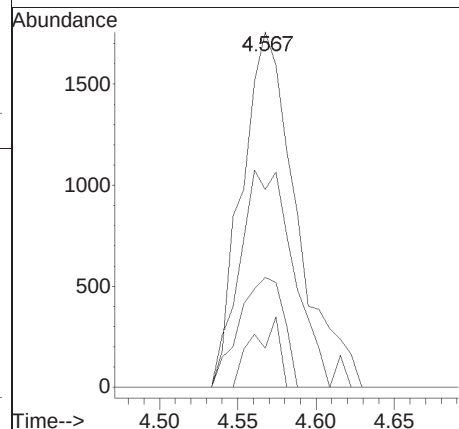
83 10.9 0.0 31.7

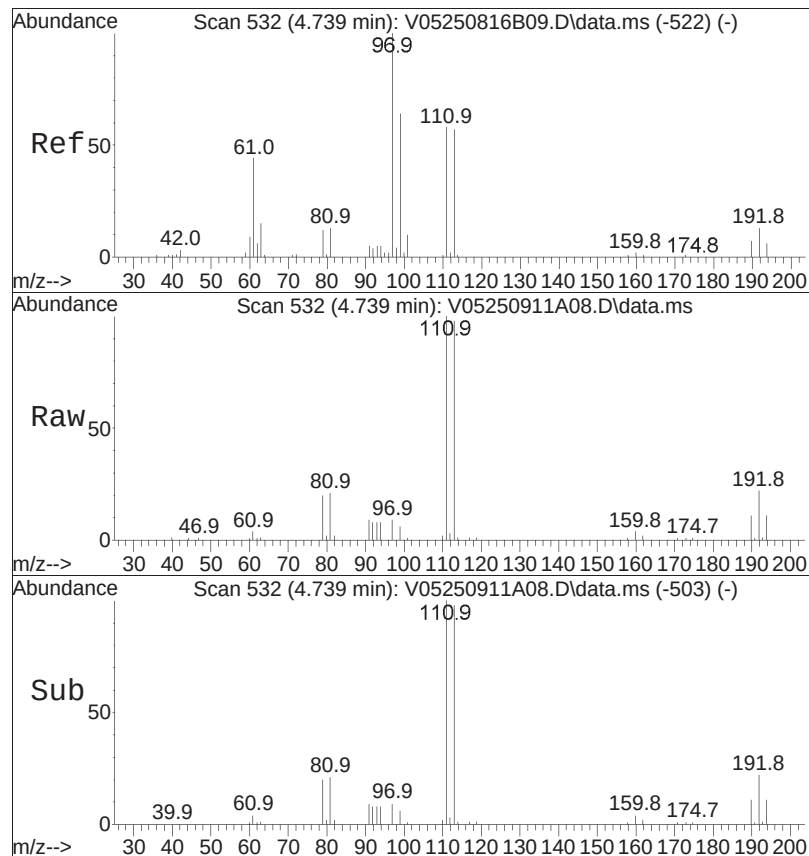




#32
 Chloroform
 Concen: 0.33 ug/L
 RT: 4.567 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: V05250911A08.D
 Acq: 11 Sep 2025 10:16 am

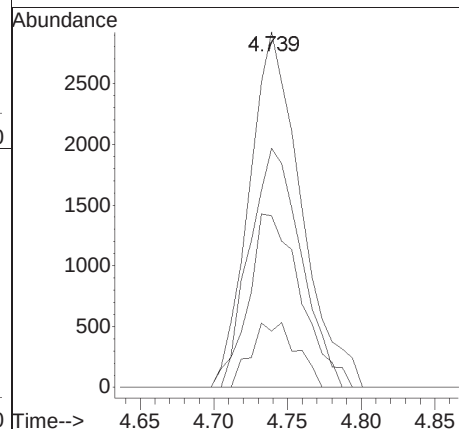
Tgt	Ion: 83	Resp:	4277
Ion	Ratio	Lower	Upper
83	100		
85	62.0	42.6	88.4
47	25.2	15.5	32.3
48	9.6	8.4	17.4

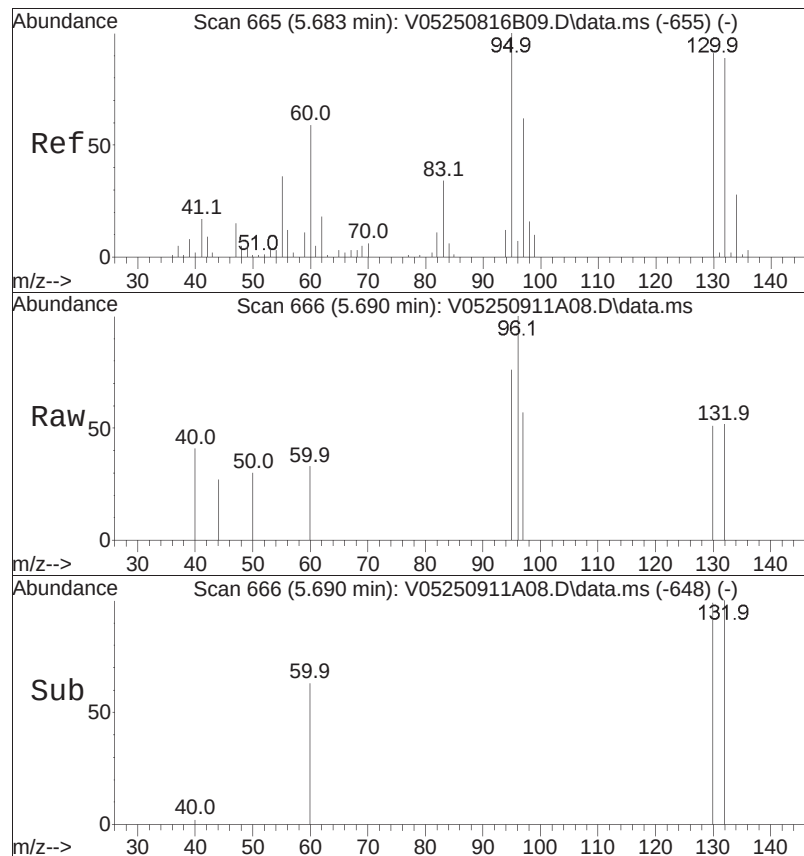




#37
 1,1,1-Trichloroethane
 Concen: 0.59 ug/L
 RT: 4.739 min Scan# 532
 Delta R.T. 0.000 min
 Lab File: V05250911A08.D
 Acq: 11 Sep 2025 10:16 am

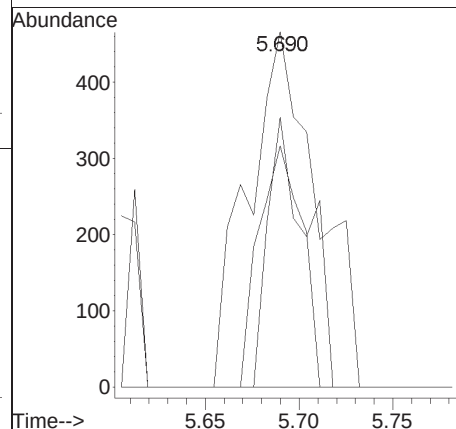
Tgt Ion:	97	Resp:	7178
Ion Ratio	Lower	Upper	
97	100		
99	67.3	41.9	86.9
61	48.8	30.4	63.0
63	16.0	9.6	20.0

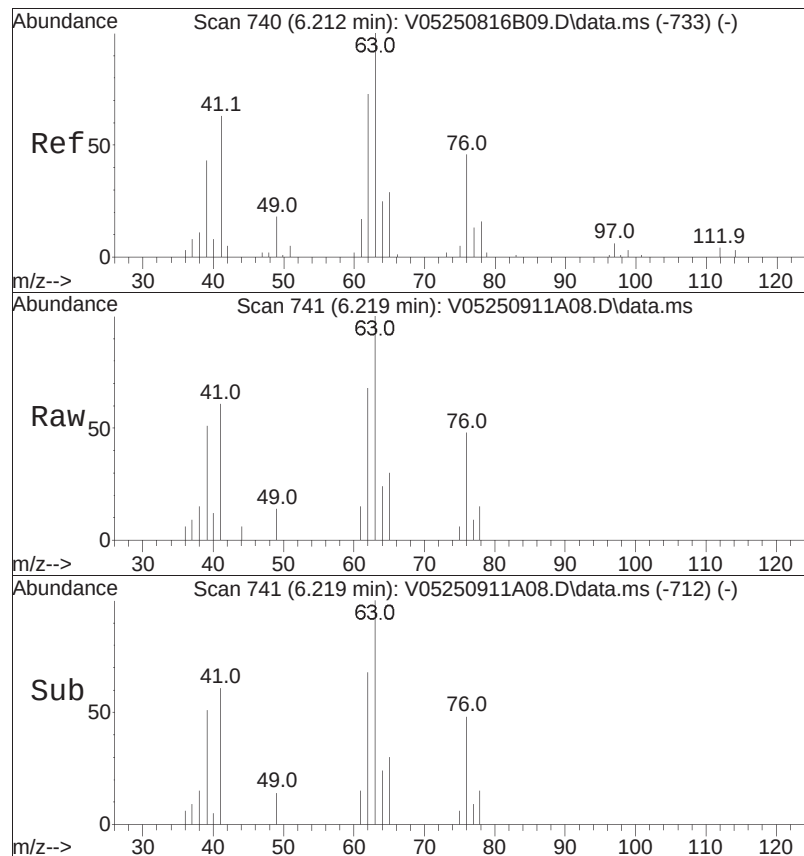




#48
 Trichloroethene
 Concen: 0.17 ug/L
 RT: 5.690 min Scan# 666
 Delta R.T. 0.007 min
 Lab File: V05250911A08.D
 Acq: 11 Sep 2025 10:16 am

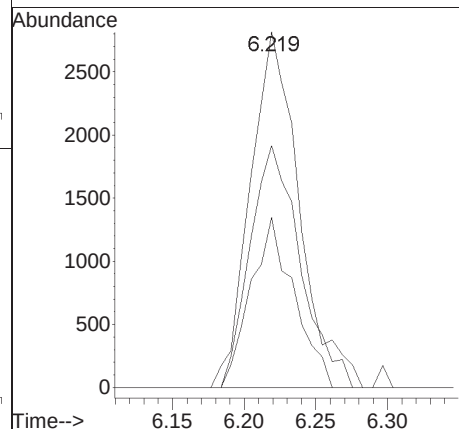
Tgt Ion:	95	Resp:	1210
Ion Ratio	Lower	Upper	
95	100		
97	43.2	55.0	82.4#
130	42.0	75.2	112.8#

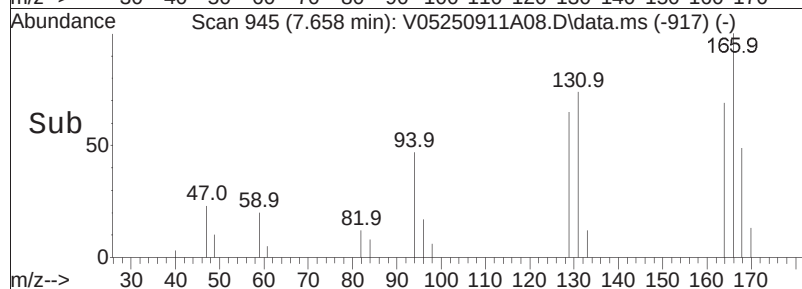
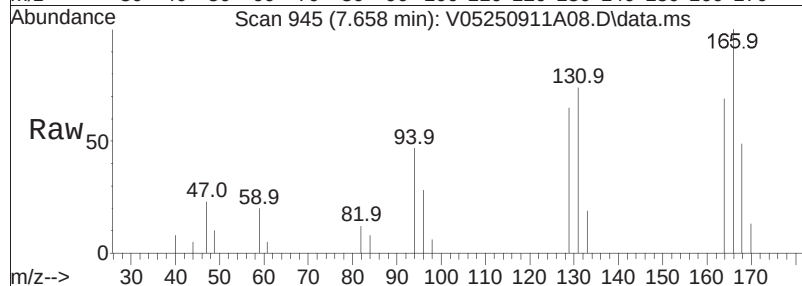
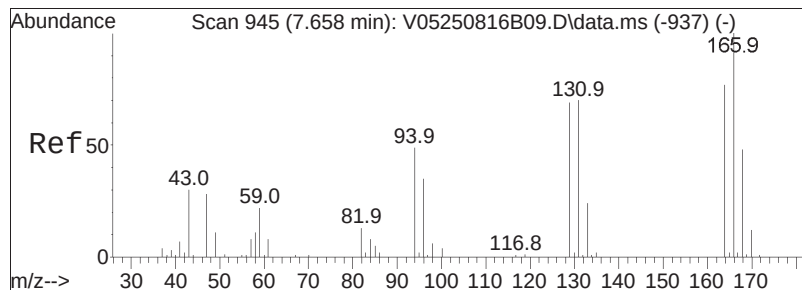




#51
 1,2-Dichloropropane
 Concen: 0.92 ug/L
 RT: 6.219 min Scan# 741
 Delta R.T. 0.007 min
 Lab File: V05250911A08.D
 Acq: 11 Sep 2025 10:16 am

Tgt Ion:	63	Resp:	6710
Ion Ratio	Lower	Upper	
63	100		
62	69.8	56.4	84.6
76	42.3	37.9	56.9





#63

Tetrachloroethene

Concen: 1.11 ug/L

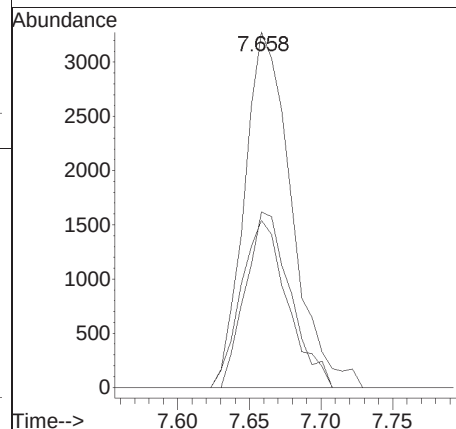
RT: 7.658 min Scan# 945

Delta R.T. 0.000 min

Lab File: V05250911A08.D

Acq: 11 Sep 2025 10:16 am

Tgt	Ion:166	Resp:	7512
Ion	Ratio	Lower	Upper
166	100		
168	46.7	29.5	69.5
94	46.5	33.5	73.5



Manual Integration Report

Data Path	: K:\V0A105\2025\250911A\	QMethod	: V105_250816B_8260.m
Data File	: V05250911A08.D	Operator	: V0A105:mjv
Date Inj'd	: 9/11/2025 10:16 am	Instrument	: V0A105
Sample	: L2555605-03,31,10,10,,A	Quant Date	: 9/11/2025 1:58 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A09.D
 Acq On : 11 Sep 2025 10:42 am
 Operator : VOA105:mjv
 Sample : L2555605-04,31,10,10,,A
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 14:11:12 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	249831	10.000	ug/L	0.00
Standard Area 1 = 298590			Recovery	=	83.67%	
59) Chlorobenzene-d5	8.985	117	184564	10.000	ug/L	0.00
Standard Area 1 = 215521			Recovery	=	85.64%	
79) 1,4-Dichlorobenzene-d4	11.797	152	97659	10.000	ug/L	0.00
Standard Area 1 = 125132			Recovery	=	78.04%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	79389	11.163	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	111.63%	
43) 1,2-Dichloroethane-d4	5.238	65	103354	10.154	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.54%	
60) Toluene-d8	7.164	98	248450	10.146	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.46%	
83) 4-Bromofluorobenzene	10.538	95	85248	9.604	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.04%	
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.	d	Qvalue
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.925	94	65	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.625	76	68	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.277	43	68	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A09.D
 Acq On : 11 Sep 2025 10:42 am
 Operator : VOA105:mjv
 Sample : L2555605-04,31,10,10,,A
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 14:11:12 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	0.000		0		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	
47)	Methylcyclohexane	0.000		0		N.D.	
48)	Trichloroethene	0.000		0		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	0.000		0		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	0.000		0		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	0.000		0		N.D.	
73)	Chlorobenzene	0.000		0		N.D.	
74)	Ethylbenzene	8.992	91	158		N.D.	
76)	p/m Xylene	0.000		0		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

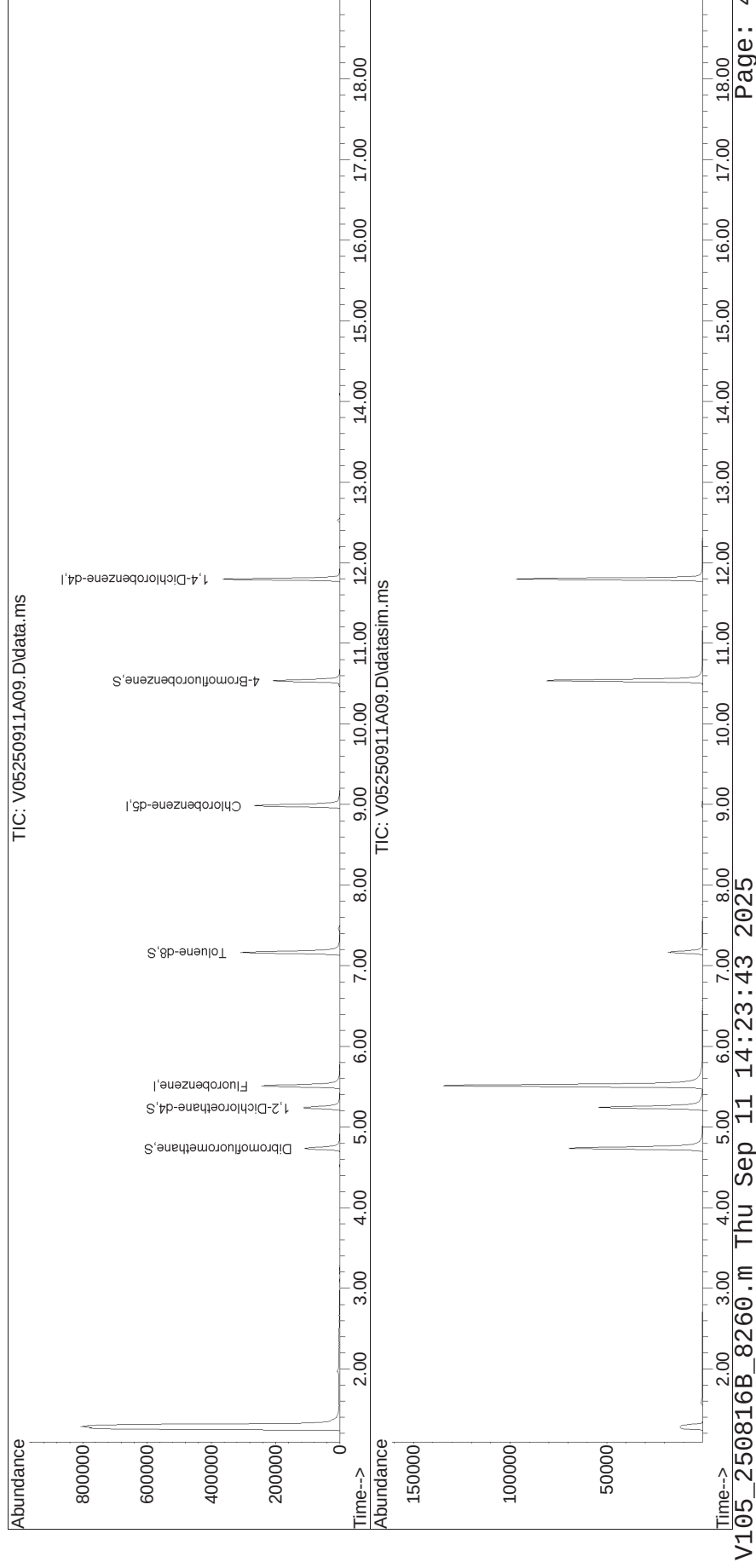
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
Data File : V05250911A09.D
Acq On : 11 Sep 2025 10:42 am
Operator : VOA105:mjv
Sample : L2555605-04,31,10,10,,A
Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 14:11:12 2025
Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:47:41 2025
Response via : Initial Calibration

SOALLISTE(s) : 8260KNXV02105N250911A01.D



Manual Integration Report

Data Path	: K:\VOA105\2025\250911A\	QMethod	: V105_250816B_8260.m
Data File	: V05250911A09.D	Operator	: VOA105:mjv
Date Inj'd	: 9/11/2025 10:42 am	Instrument	: VOA105
Sample	: L2555605-04,31,10,10,,A	Quant Date	: 9/11/2025 1:58 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A10.D
 Acq On : 11 Sep 2025 11:07 am
 Operator : VOA105:mjv
 Sample : L2555605-05,31,10,10,,A
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 14:11:33 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	253930	10.000	ug/L	0.00
Standard Area 1 = 298590			Recovery = 85.04%			
59) Chlorobenzene-d5	8.985	117	185084	10.000	ug/L	0.00
Standard Area 1 = 215521			Recovery = 85.88%			
79) 1,4-Dichlorobenzene-d4	11.797	152	96634	10.000	ug/L	0.00
Standard Area 1 = 125132			Recovery = 77.23%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	79280	10.968	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.68%			
43) 1,2-Dichloroethane-d4	5.238	65	104585	10.109	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.09%			
60) Toluene-d8	7.164	98	251236	10.231	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.31%			
83) 4-Bromofluorobenzene	10.538	95	85490	9.734	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.34%			
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.590	96	16874	3.170	ug/L	98
11) Carbon disulfide	0.000		0	N.D.	d	
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.256	43	141	N.D.		
20) Methyl tert-butyl ether	3.359	73	243	N.D.		
23) 1,1-Dichloroethane	3.805	63	37463	2.643	ug/L	97
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.567	83	1878	0.144	ug/L #	90
34) Carbon tetrachloride	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A10.D
 Acq On : 11 Sep 2025 11:07 am
 Operator : VOA105:mjv
 Sample : L2555605-05,31,10,10,,A
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 14:11:33 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	4.739	97	35961	2.957	ug/L	96
39)	2-Butanone	0.000		0	N.D.		
41)	Benzene	0.000		0	N.D.		
44)	1,2-Dichloroethane	0.000		0	N.D.		
47)	Methylcyclohexane	0.000		0	N.D.		
48)	Trichloroethene	5.690	95	179	N.D.		
51)	1,2-Dichloropropane	0.000		0	N.D.		
54)	Bromodichloromethane	0.000		0	N.D.		
58)	cis-1,3-Dichloropropene	0.000		0	N.D.		
61)	Toluene	0.000		0	N.D.		
62)	4-Methyl-2-pentanone	0.000		0	N.D.		
63)	Tetrachloroethene	7.672	166	2336	0.350	ug/L	97
65)	trans-1,3-Dichloropropene	0.000		0	N.D.		
68)	1,1,2-Trichloroethane	0.000		0	N.D.		
69)	Chlorodibromomethane	0.000		0	N.D.		
71)	1,2-Dibromoethane	0.000		0	N.D.		
72)	2-Hexanone	0.000		0	N.D.		
73)	Chlorobenzene	0.000		0	N.D.		
74)	Ethylbenzene	8.992	91	169	N.D.		
76)	p/m Xylene	0.000		0	N.D.		
77)	o Xylene	0.000		0	N.D.		
78)	Styrene	0.000		0	N.D.		
80)	Bromoform	0.000		0	N.D.		
82)	Isopropylbenzene	0.000		0	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

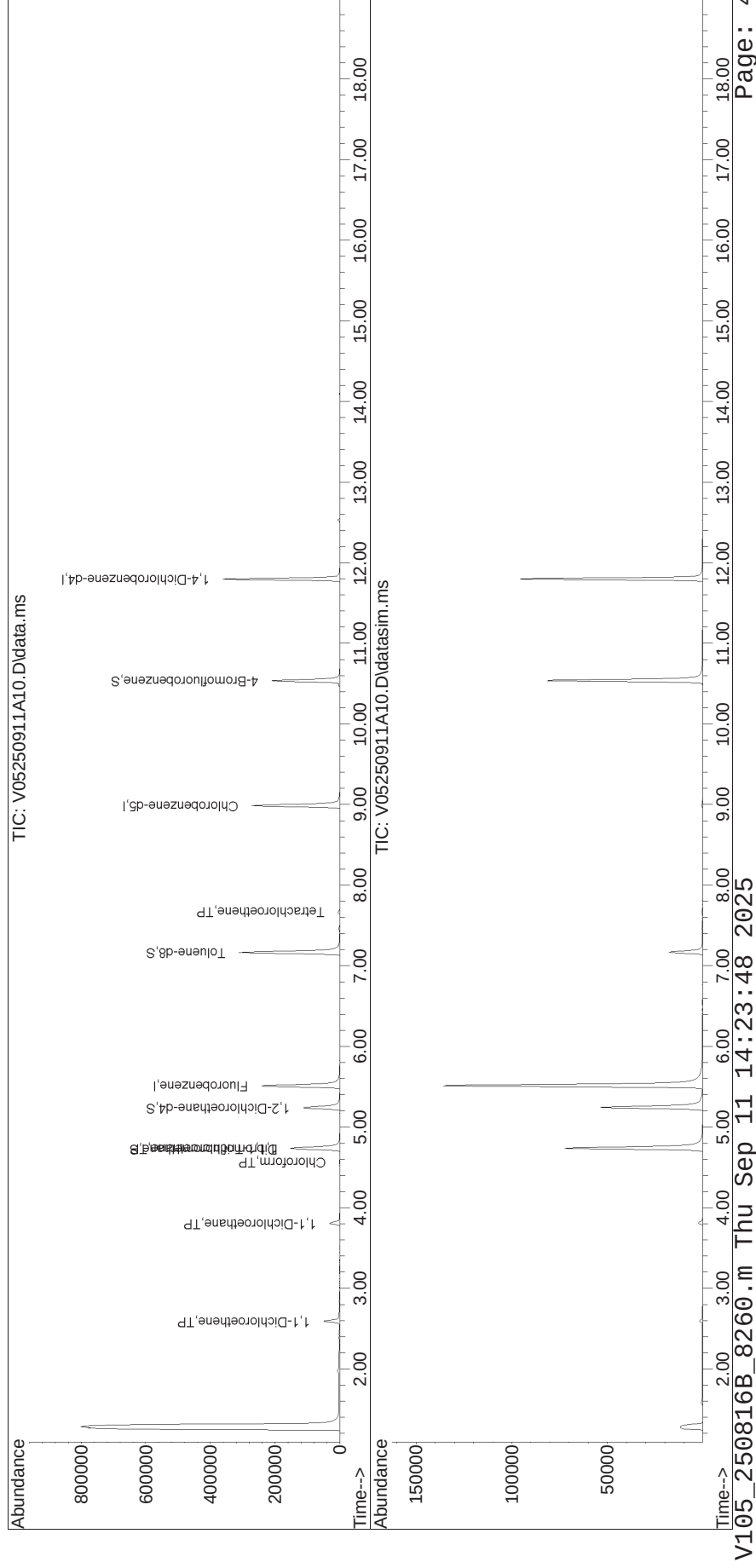
(#) = qualifier out of range (m) = manual integration (+) = signals summed

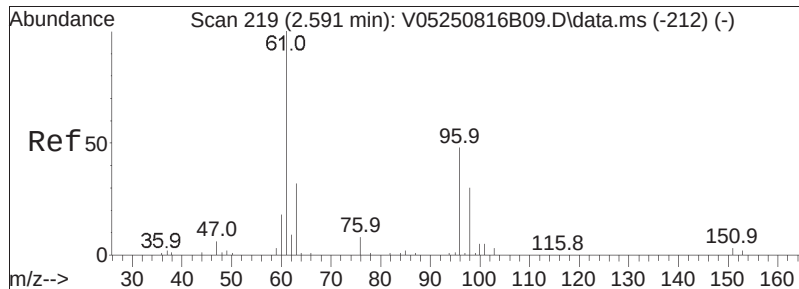
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
Data File : V05250911A10.D
Acq On : 11 Sep 2025 11:07 am
Operator : VOA105:mjv
Sample : L2555605-05,31,10,10,,A
Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 14:11:33 2025
Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:47:41 2025
Response via : Initial Calibration

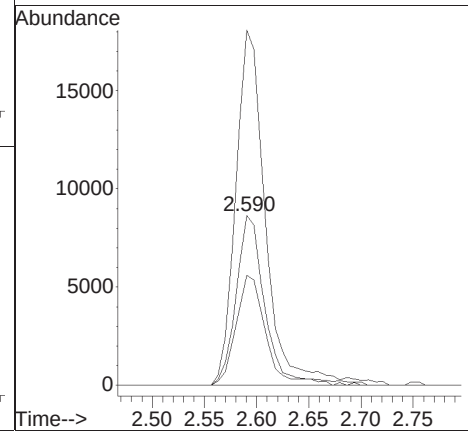
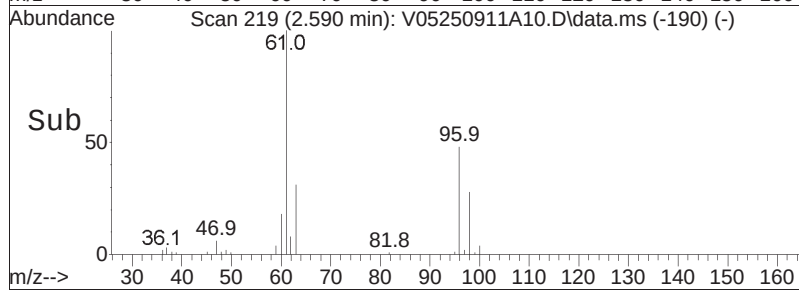
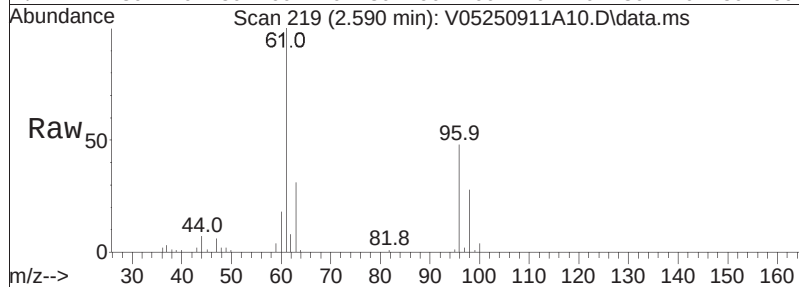
SOALLISTE(s) : 8260KNXV02105N250911A01.D

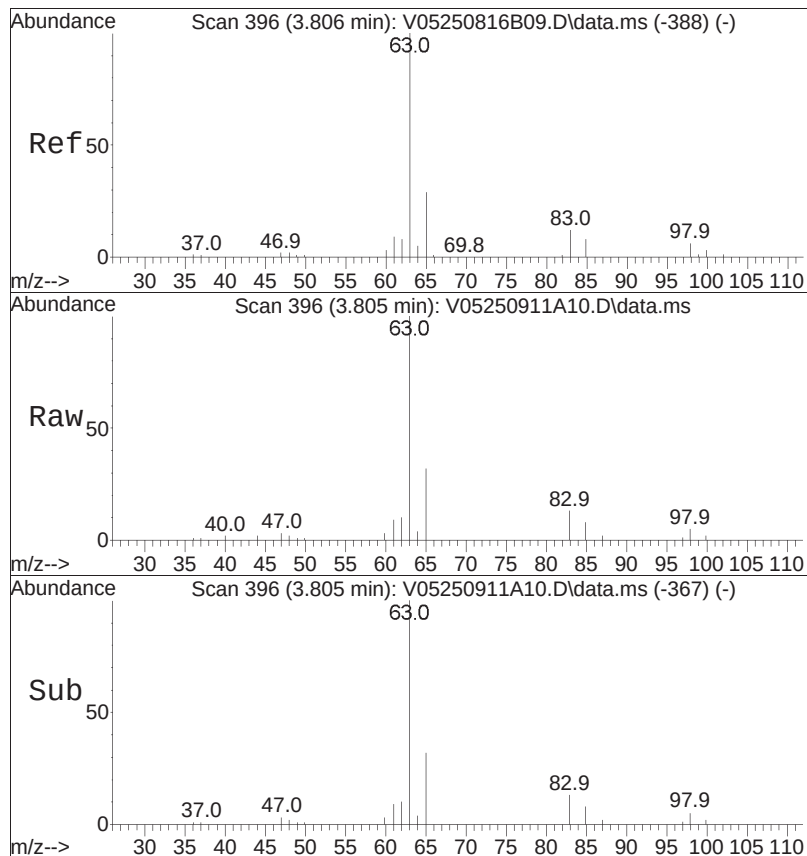




#10
 1,1-Dichloroethene
 Concen: 3.17 ug/L
 RT: 2.590 min Scan# 219
 Delta R.T. -0.001 min
 Lab File: V05250911A10.D
 Acq: 11 Sep 2025 11:07 am

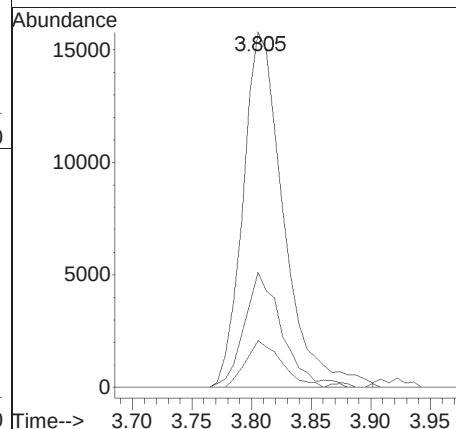
Tgt Ion: 96 Resp: 16874
 Ion Ratio Lower Upper
 96 100
 61 215.4 169.4 254.2
 63 66.0 52.9 79.3

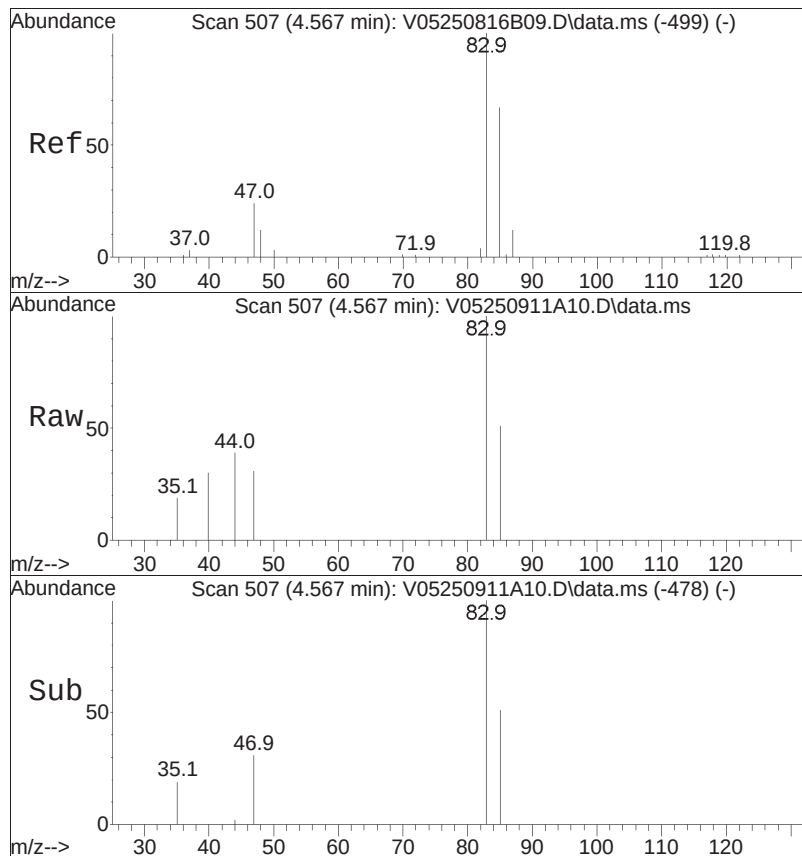




#23
 1,1-Dichloroethane
 Concen: 2.64 ug/L
 RT: 3.805 min Scan# 396
 Delta R.T. -0.001 min
 Lab File: V05250911A10.D
 Acq: 11 Sep 2025 11:07 am

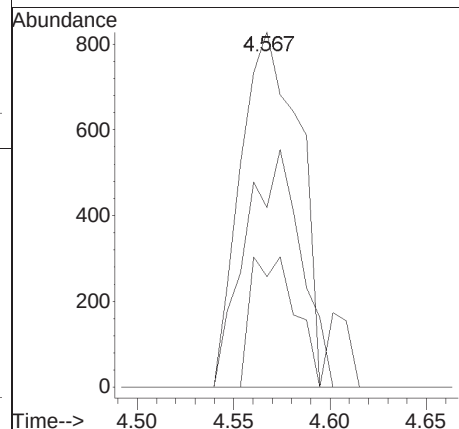
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	37463		
65	30.5		8.6	48.6
83	11.7		0.0	31.7

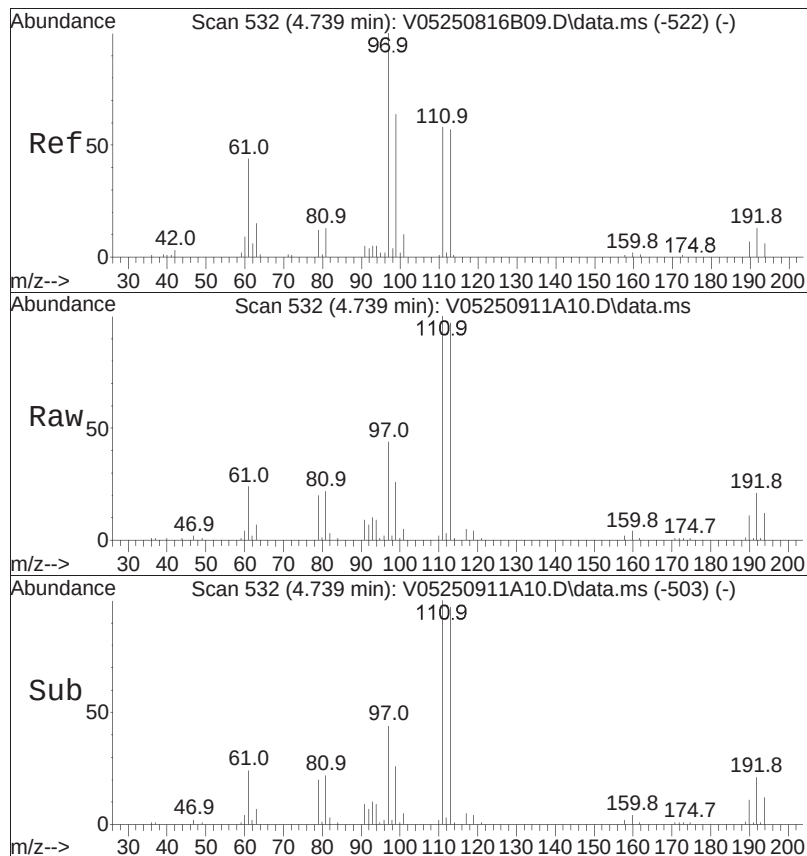




#32
 Chloroform
 Concen: 0.14 ug/L
 RT: 4.567 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: V05250911A10.D
 Acq: 11 Sep 2025 11:07 am

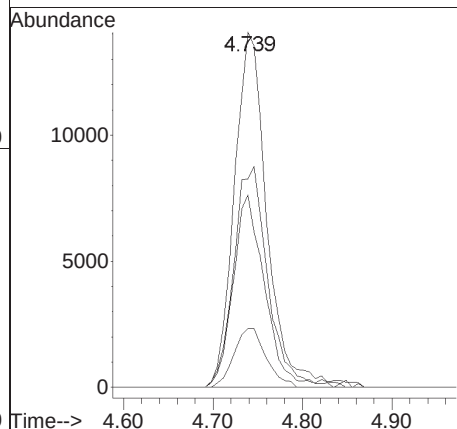
Tgt	Ion: 83	Resp:	1878
Ion	Ratio	Lower	Upper
83	100		
85	59.2	42.6	88.4
47	26.1	15.5	32.3
48	0.0	8.4	17.4#

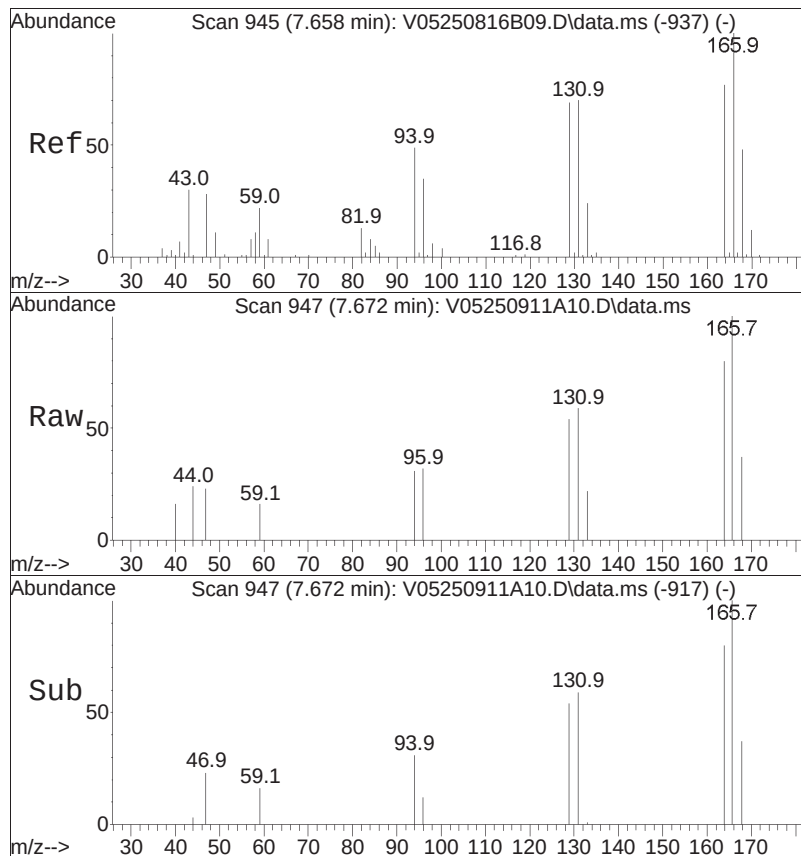




#37
 1,1,1-Trichloroethane
 Concen: 2.96 ug/L
 RT: 4.739 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: V05250911A10.D
 Acq: 11 Sep 2025 11:07 am

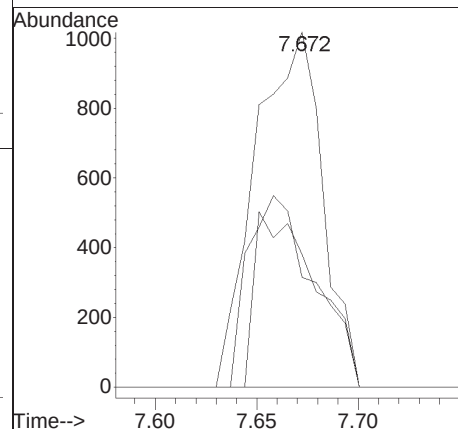
Tgt Ion:	97	Resp:	35961
Ion Ratio	Lower	Upper	
97	100		
99	63.9	41.9	86.9
61	52.6	30.4	63.0
63	16.3	9.6	20.0





#63
Tetrachloroethene
Concen: 0.35 ug/L
RT: 7.672 min Scan# 947
Delta R.T. 0.014 min
Lab File: V05250911A10.D
Acq: 11 Sep 2025 11:07 am

Tgt Ion:	166	Resp:	2336
Ion Ratio	Lower	Upper	
166	100		
168	45.3	29.5	69.5
94	53.1	33.5	73.5



Manual Integration Report

Data Path	: K:\V0A105\2025\250911A\	QMethod	: V105_250816B_8260.m
Data File	: V05250911A10.D	Operator	: V0A105:mjv
Date Inj'd	: 9/11/2025 11:07 am	Instrument	: V0A105
Sample	: L2555605-05,31,10,10,,A	Quant Date	: 9/11/2025 1:58 pm

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : ELAINE
 Calibration dates : 08/08/25 02:00 08/08/25 06:00

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22535

Calibration Files

L11 =VE250808A04.D L1 =VE250808A06.D L2 =VE250808A08.D L3 =VE250808A10.D L4 =VE250808A11.D
 L6 =VE250808A12.D L8 =VE250808A13.D L10 =VE250808A14.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.174	0.252	0.232	0.235	0.224	0.218	0.210	0.221	11.13
3) TP Chloromethane		0.329	0.361	0.331	0.319	0.297	0.283	0.270	0.313	10.13
4) TP Vinyl chloride	0.304	0.243	0.315	0.286	0.274	0.255	0.249	0.246	0.271	10.31
5) TP Bromomethane		0.121	0.142	0.113	0.113	0.111	0.112	0.118	0.118	9.22
6) TP Chloroethane		0.156	0.174	0.157	0.151	0.143	0.139	0.115	0.148	12.54
7) TP Trichlorofluor		0.270	0.336	0.305	0.309	0.298	0.290	0.282	0.299	7.14
8) TP Ethyl ether		0.106	0.117	0.116	0.113	0.112	0.111	0.113	0.113	3.24
10) TP 1,1-Dichloroet		0.172	0.221	0.183	0.180	0.173	0.168	0.163	0.180	10.79
11) TP Carbon disulfide		0.486	0.599	0.548	0.546	0.522	0.505	0.496	0.529	7.34
12) TP Freon-113		0.158	0.208	0.187	0.187	0.179	0.173	0.168	0.180	9.00
13) TP Iodomethane		0.165	0.189	0.204	0.221	0.232	0.233	0.234	0.211	12.48
14) TP Acrolein			0.060	0.039	0.033	0.033	0.033	0.035	*L	0.9986
15) TP Methylene chlo		0.378	0.266	0.233	0.225	0.216	0.211	0.210	*L	0.9997
17) TP Acetone			0.083	0.050	0.049	0.046	0.046	0.047	*L	0.9997
18) TP trans-1,2-Dich		0.236	0.241	0.219	0.215	0.206	0.199	0.196	0.216	8.05
19) TP Methyl acetate			0.142	0.110	0.102	0.105	0.106	0.107	0.112	13.60
21) TP Methyl tert butyl ether		0.556	0.596	0.573	0.580	0.580	0.573	0.586	0.578	2.18
22) TP tert-Butyl alc			0.017	0.015	0.015	0.015	0.015	0.016	0.015	5.32
24) TP Diisopropyl ether		0.821	0.829	0.788	0.815	0.818	0.799	0.796	0.809	1.87
25) TP 1,1-Dichloroet		0.483	0.529	0.478	0.464	0.437	0.423	0.420	0.462	8.44
26) TP Halothane		0.160	0.185	0.168	0.163	0.160	0.157	0.157	0.164	5.93
27) TP Acrylonitrile			0.077	0.069	0.067	0.063	0.062	0.064	0.067	8.02
28) TP Ethyl tert-but		0.762	0.769	0.746	0.781	0.800	0.791	0.795	0.778	2.53
29) TP Vinyl acetate			0.275	0.215	0.214	0.245	0.225	0.224	0.233	10.10
30) TP cis-1,2-Dichlo		0.248	0.275	0.252	0.248	0.234	0.230	0.227	0.245	6.63
31) TP 2,2-Dichloropr		0.366	0.399	0.362	0.358	0.342	0.331	0.323	0.355	7.21
33) TP Bromochloromet		0.128	0.121	0.109	0.107	0.099	0.096	0.093	0.108	11.89
34) TP Cyclohexane		0.479	0.603	0.544	0.548	0.520	0.502	0.484	0.526	8.24
35) TP Chloroform		0.445	0.452	0.409	0.399	0.384	0.376	0.376	0.406	7.78
36) TP Ethyl acetate			0.162	0.160	0.162	0.163	0.160	0.162	0.161	0.90
37) TP Carbon tetrachloride	0.364	0.311	0.317	0.296	0.321	0.316	0.303	0.304	0.316	6.63
38) TP Tetrahydrofuran			0.062	0.048	0.047	0.048	0.046	0.048	0.050	11.94
39) S Dibromofluoromethane	0.287	0.285	0.278	0.265	0.264	0.242	0.243	0.235	0.262	7.78
40) TP 1,1,1-Trichlor		0.297	0.370	0.350	0.356	0.343	0.334	0.332	0.340	6.81
42) TP 2-Butanone			0.072	0.066	0.065	0.069	0.068	0.070	0.068	3.58



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : ELAINE
 Calibration dates : 08/08/25 02:00 08/08/25 06:00

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22535

Calibration Files

L11 =VE250808A04.D L1 =VE250808A06.D L2 =VE250808A08.D L3 =VE250808A10.D L4 =VE250808A11.D
 L6 =VE250808A12.D L8 =VE250808A13.D L10 =VE250808A14.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP 1,1-Dichloropr		0.217	0.294	0.286	0.297	0.290	0.281	0.277	0.277	10.00
45) TP Benzene	1.007	0.816	0.916	0.877	0.912	0.897	0.874	0.868	0.896	6.14
46) TP Tertiary-Amyl Methyl Ether		0.567	0.553	0.541	0.553	0.564	0.560	0.571	0.558	1.85
47) S 1,2-Dichloroethane-d4	0.353	0.363	0.366	0.361	0.374	0.312	0.304	0.307	0.342	8.61
48) T 1,2-Dichloroethane	0.356	0.362	0.356	0.342	0.338	0.328	0.319	0.319	0.340	5.02
51) TP Methyl cyclohe		0.317	0.414	0.385	0.409	0.408	0.397	0.392	0.389	8.56
52) TP Trichloroethene	0.262	0.196	0.231	0.226	0.232	0.220	0.220	0.220	0.226	8.12
54) TP Dibromomethane		0.148	0.136	0.124	0.123	0.121	0.119	0.120	0.127	8.47
55) TP 1,2-Dichloropr		0.253	0.273	0.271	0.274	0.264	0.255	0.252	0.263	3.73
57) TP 2-Chloroethyl		0.128	0.125	0.123	0.131	0.130	0.129	0.131	0.128	2.33
58) TP Bromodichlorom		0.311	0.332	0.309	0.318	0.310	0.305	0.303	0.313	3.18
61) TP 1,4-Dioxane		0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001#	5.34
62) TP cis-1,3-Dichloropropene	0.374	0.316	0.354	0.369	0.382	0.375	0.365	0.362	0.362	5.67
63) I Chlorobenzene-d5	-----ISTD-----									
64) S Toluene-d8	1.318	1.323	1.326	1.319	1.314	1.338	1.346	1.349	1.329	1.00
65) TP Toluene		0.569	0.697	0.687	0.707	0.702	0.697	0.689	0.678	7.15
66) TP 4-Methyl-2-pen			0.085	0.081	0.083	0.084	0.082	0.082	0.083	1.80
67) TP Tetrachloroethene	0.248	0.234	0.290	0.287	0.298	0.289	0.287	0.283	0.277	8.23
69) TP trans-1,3-Dichloropropene	0.351	0.346	0.362	0.389	0.414	0.420	0.420	0.420	0.390	8.40
71) TP Ethyl methacry		0.304	0.303	0.292	0.292	0.286	0.282	0.278	0.291	3.47
72) TP 1,1,2-Trichlor		0.174	0.181	0.175	0.184	0.184	0.184	0.179	0.180#	2.44
73) TP Chlorodibromom		0.223	0.231	0.261	0.287	0.299	0.301	0.298	0.272	12.29
74) TP 1,3-Dichloropr		0.385	0.376	0.393	0.419	0.420	0.417	0.408	0.403	4.41
75) TP 1,2-Dibromoethane		0.199	0.210	0.214	0.232	0.235	0.236	0.233	0.223	6.58
77) TP 2-Hexanone			0.135	0.137	0.139	0.133	0.133	0.130	0.134	2.34
78) TP Chlorobenzene		0.670	0.787	0.774	0.800	0.787	0.778	0.767	0.766	5.69
79) TP Ethylbenzene		1.182	1.402	1.402	1.432	1.395	1.369	1.319	1.357	6.24
80) TP 1,1,1,2-Tetrac		0.251	0.267	0.255	0.280	0.285	0.283	0.281	0.272	5.21
81) TP p/m Xylene		0.425	0.544	0.527	0.540	0.532	0.525	0.500	0.513	8.06
82) TP o Xylene		0.442	0.537	0.525	0.539	0.521	0.511	0.486	0.509	6.76
83) TP Styrene		0.737	0.861	0.864	0.888	0.869	0.853		0.845	6.44
84) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
85) TP Bromoform		0.256	0.293	0.288	0.302	0.313	0.313	0.306	0.296	6.72
87) TP Isopropylbenzene		2.247	2.885	2.929	2.994	2.932	2.848		2.806	9.91
88) S 4-Bromofluorobenzene	1.000	0.990	0.969	0.989	0.983	0.990	0.989	0.957	0.983	1.39
89) TP Bromobenzene		0.592	0.603	0.639	0.651	0.638	0.622	0.601	0.621	3.69



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : ELAINE
 Calibration dates : 08/08/25 02:00 08/08/25 06:00

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22535

Calibration Files

L11 =VE250808A04.D L1 =VE250808A06.D L2 =VE250808A08.D L3 =VE250808A10.D L4 =VE250808A11.D
 L6 =VE250808A12.D L8 =VE250808A13.D L10 =VE250808A14.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP n-Propylbenzene	2.571	3.327	3.306	3.442	3.390	3.247			3.214	10.02
91) TP 1,4-Dichlorobu	0.974	1.039	0.974	0.953	0.919	0.893	0.847	0.943		6.65
92) TP 1,1,2,2-Tetrachloroethane	0.608	0.509	0.482	0.473	0.464	0.473	0.453	0.448	0.489	10.58
93) TP 4-Ethyltoluene	2.225	2.798	2.740	2.796	2.809	2.725			2.682	8.44
94) TP 2-Chlorotoluene	1.707	2.010	1.971	2.064	2.040	2.000	1.953	1.963		6.07
95) TP 1,3,5-Trimethy	2.004	2.416	2.402	2.507	2.470	2.363	2.245	2.344		7.32
96) TP 1,2,3-Trichlor	0.412	0.428	0.407	0.410	0.407	0.391	0.378	0.405		3.99
97) TP trans-1,4-Dich	0.201	0.187	0.189	0.189	0.200	0.189	0.186	0.192		3.23
98) TP 4-Chlorotoluene	1.880	2.170	2.098	2.173	2.156	2.099	2.003	2.083		5.15
99) TP tert-Butylbenzene	1.641	2.104	2.088	2.152	2.124	2.034	1.964	2.015		8.75
102) TP 1,2,4-Trimethy	1.900	2.383	2.362	2.439	2.422	2.304			2.302	8.80
103) TP sec-Butylbenzene	2.485	3.003	3.016	3.168	3.143	2.993			2.968	8.37
104) TP p-Isopropyltol	2.003	2.670	2.638	2.728	2.674	2.560			2.546	10.67
105) TP 1,3-Dichlorobe	1.087	1.315	1.301	1.313	1.302	1.247	1.256	1.260		6.44
106) TP 1,4-Dichlorobe	1.093	1.278	1.241	1.270	1.267	1.239	1.247	1.234		5.18
107) TP p-Diethylbenzene	1.205	1.542	1.551	1.643	1.616	1.576	1.534	1.524		9.58
108) TP n-Butylbenzene	1.683	2.163	2.184	2.317	2.277	2.224			2.141	10.83
109) TP 1,2-Dichlorobe	1.111	1.213	1.231	1.246	1.212	1.192	1.180	1.198		3.70
110) TP 1,2,4,5-Tetram	1.959	2.287	2.308	2.437	2.488	2.431			2.318	8.32
111) TP 1,2-Dibromo-3-	0.085	0.087	0.079	0.083	0.085	0.088	0.086	0.085		3.34
112) TP 1,3,5-Trichlor	0.779	0.876	0.866	0.901	0.921	0.895	0.843	0.869		5.40
113) TP Hexachlorobuta	0.221	0.286	0.272	0.282	0.285	0.273	0.249	0.267		8.88
114) TP 1,2,4-Trichlor	0.732	0.758	0.749	0.776	0.786	0.765	0.728	0.756		2.87
115) TP Naphthalene	1.674	1.706	1.736	1.789	1.848	1.830	1.733	1.759		3.68
116) TP 1,2,3-Trichlor	0.618	0.677	0.678	0.705	0.703	0.694	0.659	0.676		4.48



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : VOA105
 Calibration dates : 08/16/25 12:48 08/16/25 16:38

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22558

Calibration Files

L11 =V05250816B04.D L1 =V05250816B05.D L2 =V05250816B07.D L3 =V05250816B09.D L4 =V05250816B10.D
 L6 =V05250816B11.D L8 =V05250816B12.D L10 =V05250816B13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.267	0.324	0.364	0.349	0.338	0.339	0.320	0.329	9.38
3) TP Chloromethane		0.205	0.224	0.261	0.267	0.277	0.309	0.315	0.265	15.28
4) TP Vinyl chloride	0.264	0.254	0.287	0.328	0.325	0.321	0.338	0.323	0.305	10.44
5) TP Bromomethane		0.114	0.091	0.121	0.138	0.148	0.159	0.160	0.133	19.25
6) TP Chloroethane		0.220	0.179	0.186	0.174	0.168	0.165	0.146	0.177	12.91
7) TP Trichlorofluor		0.461	0.475	0.547	0.523	0.490	0.479	0.440	0.488	7.48
8) TP Ethyl ether		0.103	0.121	0.120	0.118	0.116	0.118	0.112	0.115	5.35
10) TP 1,1-Dichloroet		0.188	0.206	0.230	0.216	0.208	0.211	0.208	0.210	5.96
11) TP Carbon disulfide		0.688	0.681	0.755	0.722	0.719	0.722	0.701	0.713	3.53
12) TP Freon-113		0.168	0.221	0.252	0.243	0.233	0.234	0.227	0.225	12.18
13) TP Iodomethane								0.000#		-1.00
14) TP Acrolein		0.037	0.033	0.040	0.040	0.039	0.040	0.039	0.038	6.79
15) TP Methylene chlo		0.432	0.278	0.260	0.246	0.237	0.237	0.239	*L	0.9999
17) TP Acetone			0.055	0.046	0.047	0.045	0.044	0.042	0.047	9.69
18) TP trans-1,2-Dich		0.227	0.227	0.253	0.250	0.239	0.240	0.241	0.240	4.17
19) TP Methyl acetate			0.087	0.119	0.126	0.122	0.121	0.111	0.114	12.48
20) TP Methyl tert butyl ether		0.523	0.516	0.642	0.656	0.648	0.644	0.623	0.608	10.06
21) TP tert-Butyl alc			0.010	0.013	0.014	0.014	0.014	0.014	0.013	14.04
22) TP Diisopropyl ether		0.731	0.690	0.917	0.948	0.918	0.892	0.842	0.848	11.81
23) TP 1,1-Dichloroet		0.549	0.551	0.612	0.582	0.550	0.541	0.523	0.558	5.28
24) TP Halothane		0.148	0.159	0.187	0.176	0.172	0.175	0.177	0.170	7.53
25) TP Acrylonitrile			0.051	0.071	0.073	0.073	0.072	0.069	0.068	12.66
26) TP Ethyl tert-but		0.559	0.618	0.790	0.838	0.830	0.820	0.790	0.749	15.04
27) TP Vinyl acetate			0.244	0.389	0.458	0.462	0.464	0.442	*L	0.9991
28) TP cis-1,2-Dichlo		0.256	0.247	0.283	0.273	0.266	0.267	0.264	0.265	4.34
29) TP 2,2-Dichloropr		0.391	0.417	0.493	0.475	0.461	0.451	0.431	0.446	7.87
30) TP Bromochloromet		0.109	0.117	0.121	0.118	0.103	0.101	0.095	0.109	9.01
31) TP Cyclohexane		0.367	0.475	0.620	0.608	0.571	0.572	0.562	0.539	16.50
32) TP Chloroform		0.527	0.514	0.555	0.523	0.501	0.494	0.473	0.512	5.16
33) TP Ethyl acetate			0.112	0.167	0.181	0.183	0.179	0.170	0.165	16.19
34) TP Carbon tetrachloride	0.405	0.380	0.412	0.491	0.467	0.456	0.449	0.432	0.436	8.31
35) TP Tetrahydrofuran			0.045	0.058	0.060	0.057	0.055	0.052	0.055	9.89
36) S Dibromofluoromethane	0.297	0.306	0.302	0.288	0.282	0.271	0.269	0.262	0.285	5.73
37) TP 1,1,1-Trichlor		0.391	0.465	0.543	0.512	0.491	0.487	0.464	0.479	9.92
39) TP 2-Butanone			0.050	0.069	0.076	0.076	0.077	0.071	0.070	14.61



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : VOA105
Calibration dates : 08/16/25 12:48 08/16/25 16:38
Lab Number : L2555605
Project Number : 2232.0006Y005
Ical Ref : ICAL22558

Calibration Files

L11 =V05250816B04.D L1 =V05250816B05.D L2 =V05250816B07.D L3 =V05250816B09.D L4 =V05250816B10.D
 L6 =V05250816B11.D L8 =V05250816B12.D L10 =V05250816B13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropr	0.270	0.313	0.382	0.376	0.368	0.370	0.365	0.349	11.93	
41) TP Benzene	0.868	0.857	0.989	1.100	1.093	1.062	1.073	1.067	1.014	9.75
42) TP Tertiary-Amyl Methyl Ether	0.420	0.422	0.547	0.591	0.602	0.612	0.607	0.543	15.83	
43) S 1,2-Dichloroethane-d4	0.415	0.438	0.434	0.437	0.409	0.391	0.373	0.363	0.407	7.19
44) TP 1,2-Dichloroethane	0.402	0.425	0.399	0.441	0.427	0.404	0.389	0.359	0.405	6.31
47) TP Methyl cyclohe	0.342	0.442	0.444	0.438	0.454	0.462	0.430	10.26		
48) TP Trichloroethene	0.248	0.271	0.266	0.293	0.282	0.276	0.278	0.273	0.274	4.75
50) TP Dibromomethane	0.135	0.137	0.153	0.149	0.146	0.148	0.145	0.145	4.43	
51) TP 1,2-Dichloropr	0.264	0.260	0.303	0.296	0.291	0.295	0.290	0.285	5.89	
53) TP 2-Chloroethyl	0.075	0.097	0.110	0.111	0.114	0.112	0.103	14.47		
54) TP Bromodichlorom	0.354	0.375	0.402	0.398	0.395	0.392	0.378	0.385	4.39	
57) TP 1,4-Dioxane	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	13.21	
58) TP cis-1,3-Dichloropropene	0.253	0.320	0.307	0.406	0.424	0.428	0.437	0.430	0.376	19.00
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.319	1.312	1.348	1.334	1.329	1.328	1.324	1.321	1.327	0.82
61) TP Toluene	0.807	0.781	0.861	0.857	0.844	0.829	0.826	0.829	3.44	
62) TP 4-Methyl-2-pen	0.054	0.079	0.088	0.092	0.091	0.089	0.082	17.94		
63) TP Tetrachloroethene	0.353	0.285	0.341	0.391	0.389	0.381	0.377	0.371	0.361	9.73
65) TP trans-1,3-Dichloropropene	0.261	0.290	0.372	0.458	0.498	0.503	0.490	0.478	*L	0.9993
67) TP Ethyl methacry	0.204	0.265	0.304	0.309	0.310	0.309	0.283	15.10		
68) TP 1,1,2-Trichlor	0.194	0.176	0.202	0.206	0.204	0.202	0.200	0.198#	5.29	
69) TP Chlorodibromom	0.244	0.278	0.318	0.334	0.337	0.332	0.326	0.310	11.42	
70) TP 1,3-Dichloropr	0.362	0.406	0.455	0.465	0.463	0.456	0.449	0.436	8.86	
71) TP 1,2-Dibromoethane	0.178	0.198	0.234	0.241	0.242	0.240	0.240	0.225	11.47	
72) TP 2-Hexanone	0.085	0.119	0.136	0.145	0.140	0.137	0.127	17.69		
73) TP Chlorobenzene	0.799	0.813	0.921	0.897	0.900	0.889	0.881	0.872	5.35	
74) TP Ethylbenzene	1.362	1.467	1.769	1.763	1.736	1.708	1.661	1.638	9.76	
75) TP 1,1,1,2-Tetrac	0.280	0.288	0.340	0.348	0.347	0.339	0.329	0.325	8.71	
76) TP p/m Xylene	0.452	0.541	0.633	0.616	0.610	0.602	0.586	0.577	10.85	
77) TP o Xylene	0.425	0.494	0.587	0.591	0.591	0.574	0.559	0.546	11.60	
78) TP Styrene	0.659	0.798	0.979	0.990	0.983	0.965	0.926	0.900	13.94	
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform	0.266	0.275	0.344	0.361	0.359	0.372	0.372	0.336	13.55	
82) TP Isopropylbenzene	1.875	2.349	2.977	3.101	2.985	2.934	2.977	2.743	16.58	
83) S 4-Bromofluorobenzene	0.904	0.877	0.915	0.936	0.917	0.875	0.923	0.925	0.909	2.46
84) TP Bromobenzene	0.592	0.588	0.655	0.654	0.631	0.656	0.660	0.634	4.95	



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : VOA105
 Calibration dates : 08/16/25 12:48 08/16/25 16:38

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22558

Calibration Files

L11 =V05250816B04.D L1 =V05250816B05.D L2 =V05250816B07.D L3 =V05250816B09.D L4 =V05250816B10.D
 L6 =V05250816B11.D L8 =V05250816B12.D L10 =V05250816B13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP n-Propylbenzene		2.385	2.829	3.551	3.466	3.365	3.514	3.506	3.231	13.89
86) TP 1,4-Dichlorobu		0.726	0.840	0.955	0.954	0.908	0.920	0.892	0.885	9.09
87) TP 1,1,2,2-Tetrachloroethane	0.361	0.385	0.397	0.461	0.473	0.465	0.490	0.492	0.441	11.70
88) TP 4-Ethyltoluene		1.909	2.318	2.872	2.804	2.712	2.822	2.812	2.607	13.82
89) TP 2-Chlorotoluene		1.717	1.906	2.236	2.066	1.996	2.083	2.083	2.012	8.16
90) TP 1,3,5-Trimethy		1.780	2.113	2.543	2.450	2.371	2.429	2.425	2.302	11.55
91) TP 1,2,3-Trichlor		0.390	0.374	0.422	0.430	0.414	0.428	0.424	0.412	5.26
92) TP trans-1,4-Dich			0.139	0.158	0.176	0.169	0.172	0.166	0.163	8.31
93) TP 4-Chlorotoluene		1.710	2.004	2.229	2.199	2.130	2.211	2.185	2.095	8.88
94) TP tert-Butylbenzene		1.278	1.575	1.956	1.946	1.916	1.989	1.984	1.806	15.19
97) TP 1,2,4-Trimethy		1.447	1.963	2.495	2.438	2.362	2.418	2.376	2.214	17.21
98) TP sec-Butylbenzene		1.768	2.395	3.023	2.957	2.907	3.031	2.995	2.725	17.52
99) TP p-Isopropyltol		1.354	1.891	2.457	2.404	2.371	2.469	2.436	2.197	19.27
100) TP 1,3-Dichlorobe		1.038	1.097	1.253	1.222	1.200	1.227	1.199	1.177	6.69
101) TP 1,4-Dichlorobe		1.125	1.128	1.232	1.241	1.204	1.234	1.200	1.195	4.12
102) TP p-Diethylbenzene		0.803	1.049	1.407	1.398	1.401	1.434	1.409	1.272	19.40
103) TP n-Butylbenzene		1.213	1.794	2.279	2.241	2.213	2.261	2.208	2.030	19.58
104) TP 1,2-Dichlorobe		0.911	0.984	1.123	1.106	1.094	1.111	1.079	1.058	7.54
105) TP 1,2,4,5-Tetram			1.370	2.003	2.117	2.192	2.235	2.175	2.015	16.18
106) TP 1,2-Dibromo-3-		0.058	0.068	0.073	0.077	0.082	0.085	0.082	0.075	12.48
107) TP 1,3,5-Trichlor		0.663	0.780	0.933	0.938	0.935	0.936	0.902	0.870	12.32
108) TP Hexachlorobuta		0.273	0.335	0.399	0.389	0.401	0.403	0.390	0.370	13.18
109) TP 1,2,4-Trichlor		0.503	0.623	0.779	0.803	0.811	0.816	0.777	0.730	16.48
110) TP Naphthalene		0.882	0.969	1.389	1.484	1.519	1.553	1.502	*L	0.9994
111) TP 1,2,3-Trichlor		0.513	0.503	0.677	0.674	0.680	0.694	0.658	0.628	13.22



Response Factor Report Elaine

Method Path : K:\Elaine\2025\250808AICAL\
Method File : Elaine_250808A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Aug 11 08:01:29 2025
Response Via : Initial Calibration

Calibration Files

L11 =VE250808A04.D L1 =VE250808A06.D L2 =VE250808A08.D L3 =VE250808A10.D L4 =VE250808A11.D
L6 =VE250808A12.D L8 =VE250808A13.D L10 =VE250808A14.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
		-----ISTD-----									
1) I	Fluorobenzene										
2) TP	Dichlorodifluo...		0.174	0.252	0.232	0.235	0.224	0.218	0.210	0.221	11.13
3) TP	Chloromethane		0.329	0.361	0.331	0.319	0.297	0.283	0.270	0.313	10.13
4) TP	Vinyl chloride	0.304	0.243	0.315	0.286	0.274	0.255	0.249	0.246	0.271	10.31
5) TP	Bromomethane		0.121	0.142	0.113	0.113	0.111	0.112	0.118	0.118	9.22
6) TP	Chloroethane		0.156	0.174	0.157	0.151	0.143	0.139	0.115	0.148	12.54
7) TP	Trichlorofluor...		0.270	0.336	0.305	0.309	0.298	0.290	0.282	0.299	7.14
8) TP	Ethyl ether		0.106	0.117	0.116	0.113	0.112	0.111	0.113	0.113	3.24
10) TP	1,1-Dichloroet...		0.172	0.221	0.183	0.180	0.173	0.168	0.163	0.180	10.79
11) TP	Carbon disulfide		0.486	0.599	0.548	0.546	0.522	0.505	0.496	0.529	7.34
12) TP	Freon-113		0.158	0.208	0.187	0.187	0.179	0.173	0.168	0.180	9.00
13) TP	Iodomethane		0.165	0.189	0.204	0.221	0.232	0.233	0.234	0.211	12.48
14) TP	Acrolein			0.060	0.039	0.033	0.033	0.033	0.035	*L	0.9986
15) TP	Methylene chlo...		0.378	0.266	0.233	0.225	0.216	0.211	0.210	*L	0.9997
17) TP	Acetone			0.083	0.050	0.049	0.046	0.046	0.047	*L	0.9997
18) TP	trans-1,2-Dich...		0.236	0.241	0.219	0.215	0.206	0.199	0.196	0.216	8.05
19) TP	Methyl acetate			0.142	0.110	0.102	0.105	0.106	0.107	0.112	13.60
21) TP	Methyl tert-bu...		0.556	0.596	0.573	0.580	0.580	0.573	0.586	0.578	2.18
22) TP	tert-Butyl alc...			0.017	0.015	0.015	0.015	0.015	0.016	0.015	5.32
24) TP	Diisopropyl ether		0.821	0.829	0.788	0.815	0.818	0.799	0.796	0.809	1.87
25) TP	1,1-Dichloroet...		0.483	0.529	0.478	0.464	0.437	0.423	0.420	0.462	8.44
26) TP	Halothane		0.160	0.185	0.168	0.163	0.160	0.157	0.157	0.164	5.93
27) TP	Acrylonitrile			0.077	0.069	0.067	0.063	0.062	0.064	0.067	8.02
28) TP	Ethyl tert-but...		0.762	0.769	0.746	0.781	0.800	0.791	0.795	0.778	2.53
29) TP	Vinyl acetate			0.275	0.215	0.214	0.245	0.225	0.224	0.233	10.10
30) TP	cis-1,2-Dichlo...		0.248	0.275	0.252	0.248	0.234	0.230	0.227	0.245	6.63
31) TP	2,2-Dichloropr...		0.366	0.399	0.362	0.358	0.342	0.331	0.323	0.355	7.21
33) TP	Bromochloromet...		0.128	0.121	0.109	0.107	0.099	0.096	0.093	0.108	11.89
34) TP	Cyclohexane		0.479	0.603	0.544	0.548	0.520	0.502	0.484	0.526	8.24
35) TP	Chloroform		0.445	0.452	0.409	0.399	0.384	0.376	0.376	0.406	7.78
36) TP	Ethyl acetate			0.162	0.160	0.162	0.163	0.160	0.162	0.161	0.90

Response Factor Report Elaine

Method Path : K:\Elaine\2025\250808AICAL\
Method File : Elaine_250808A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Aug 11 08:01:29 2025
Response Via : Initial Calibration

Calibration Files

L11 =VE250808A04.D L1 =VE250808A06.D L2 =VE250808A08.D L3 =VE250808A10.D L4 =VE250808A11.D
L6 =VE250808A12.D L8 =VE250808A13.D L10 =VE250808A14.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37) TP Carbon tetracl...	0.364	0.311	0.317	0.296	0.321	0.316	0.303	0.304	0.316	6.63
38) TP Tetrahydrofuran			0.062	0.048	0.047	0.048	0.046	0.048	0.050	11.94
39) S Dibromofluorom...	0.287	0.285	0.278	0.265	0.264	0.242	0.243	0.235	0.262	7.78
40) TP 1,1,1-Trichlor...	0.297	0.370	0.350	0.356	0.343	0.343	0.334	0.332	0.340	6.81
42) TP 2-Butanone			0.072	0.066	0.065	0.069	0.068	0.070	0.068	3.58
43) TP 1,1-Dichloropr...	0.217	0.294	0.286	0.297	0.290	0.290	0.281	0.277	0.277	10.00
45) TP Benzene	1.007	0.816	0.916	0.877	0.912	0.897	0.874	0.868	0.896	6.14
46) TP tert-Amyl meth...		0.567	0.553	0.541	0.553	0.564	0.560	0.571	0.558	1.85
47) S 1,2-Dichloroet...	0.353	0.363	0.366	0.361	0.374	0.312	0.304	0.307	0.342	8.61
48) T 1,2-Dichloroet...	0.356	0.362	0.356	0.342	0.338	0.328	0.319	0.319	0.340	5.02
51) TP Methyl cyclohe...	0.317	0.414	0.385	0.409	0.408	0.397	0.392	0.389		8.56
52) TP Trichloroethene	0.262	0.196	0.231	0.226	0.232	0.220	0.220	0.220	0.226	8.12
54) TP Dibromomethane		0.148	0.136	0.124	0.123	0.121	0.119	0.120	0.127	8.47
55) TP 1,2-Dichloropr...		0.253	0.273	0.271	0.274	0.264	0.255	0.252	0.263	3.73
57) TP 2-Chloroethyl ...		0.128	0.125	0.123	0.131	0.130	0.129	0.131	0.128	2.33
58) TP Bromodichlorom...		0.311	0.332	0.309	0.318	0.310	0.305	0.303	0.313	3.18
61) TP 1,4-Dioxane		0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001#	5.34
62) TP cis-1,3-Dichlo...	0.374	0.316	0.354	0.369	0.382	0.375	0.365	0.362	0.362	5.67
-----ISTD-----										
63) I Chlorobenzene-d5										
64) S Toluene-d8	1.318	1.323	1.326	1.319	1.314	1.338	1.346	1.349	1.329	1.00
65) TP Toluene		0.569	0.697	0.687	0.707	0.702	0.697	0.689	0.678	7.15
66) TP 4-Methyl-2-pen...			0.085	0.081	0.083	0.084	0.082	0.082	0.083	1.80
67) TP Tetrachloroethene	0.248	0.234	0.290	0.287	0.298	0.289	0.287	0.283	0.277	8.23
69) TP trans-1,3-Dich...	0.351	0.346	0.362	0.389	0.414	0.420	0.420	0.420	0.390	8.40
71) TP Ethyl methacry...		0.304	0.303	0.292	0.292	0.286	0.282	0.278	0.291	3.47
72) TP 1,1,2-Trichlor...		0.174	0.181	0.175	0.184	0.184	0.184	0.179	0.180#	2.44
73) TP Chlorodibromom...		0.223	0.231	0.261	0.287	0.299	0.301	0.298	0.272	12.29
74) TP 1,3-Dichloropr...		0.385	0.376	0.393	0.419	0.420	0.417	0.408	0.403	4.41
75) TP 1,2-Dibromoethane		0.199	0.210	0.214	0.232	0.235	0.236	0.233	0.223	6.58
77) TP 2-Hexanone			0.135	0.137	0.139	0.133	0.133	0.130	0.134	2.34
78) TP Chlorobenzene		0.670	0.787	0.774	0.800	0.787	0.778	0.767	0.766	5.69

Response Factor Report Elaine

Method Path : K:\Elaine\2025\250808AICAL\
Method File : Elaine_250808A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Aug 11 08:01:29 2025
Response Via : Initial Calibration

Calibration Files

L11 =VE250808A04.D L1 =VE250808A06.D L2 =VE250808A08.D L3 =VE250808A10.D L4 =VE250808A11.D
L6 =VE250808A12.D L8 =VE250808A13.D L10 =VE250808A14.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
		-----ISTD-----									
79)	TP Ethylbenzene	1.182	1.402	1.402	1.432	1.395	1.369	1.319	1.357	6.24	
80)	TP 1,1,1,2-Tetrac...	0.251	0.267	0.255	0.280	0.285	0.283	0.281	0.272	5.21	
81)	TP p/m Xylene	0.425	0.544	0.527	0.540	0.532	0.525	0.500	0.513	8.06	
82)	TP o Xylene	0.442	0.537	0.525	0.539	0.521	0.511	0.486	0.509	6.76	
83)	TP Styrene	0.737	0.861	0.864	0.888	0.869	0.853	0.845		6.44	
84)	I 1,4-Dichlorobenzene-d4	-----ISTD-----									
85)	TP Bromoform	0.256	0.293	0.288	0.302	0.313	0.313	0.306	0.296	6.72	
87)	TP Isopropylbenzene	2.247	2.885	2.929	2.994	2.932	2.848		2.806	9.91	
88)	S 4-Bromofluorob...	1.000	0.990	0.969	0.989	0.983	0.990	0.957	0.983	1.39	
89)	TP Bromobenzene	0.592	0.603	0.639	0.651	0.638	0.622	0.601	0.621	3.69	
90)	TP n-Propylbenzene	2.571	3.327	3.306	3.442	3.390	3.247		3.214	10.02	
91)	TP 1,4-Dichlorobu...	0.974	1.039	0.974	0.953	0.919	0.893	0.847	0.943	6.65	
92)	TP 1,1,2,2-Tetrac...	0.608	0.509	0.482	0.473	0.464	0.473	0.448	0.489	10.58	
93)	TP 4-Ethyltoluene	2.225	2.798	2.740	2.796	2.809	2.725		2.682	8.44	
94)	TP 2-Chlorotoluene	1.707	2.010	1.971	2.064	2.040	2.000	1.953	1.963	6.07	
95)	TP 1,3,5-Trimethy...	2.004	2.416	2.402	2.507	2.470	2.363	2.245	2.344	7.32	
96)	TP 1,2,3-Trichlor...	0.412	0.428	0.407	0.410	0.407	0.391	0.378	0.405	3.99	
97)	TP trans-1,4-Dich...	0.201	0.187	0.189	0.189	0.200	0.189	0.186	0.192	3.23	
98)	TP 4-Chlorotoluene	1.880	2.170	2.098	2.173	2.156	2.099	2.003	2.083	5.15	
99)	TP tert-Butylbenzene	1.641	2.104	2.088	2.152	2.124	2.034	1.964	2.015	8.75	
102)	TP 1,2,4-Trimethy...	1.900	2.383	2.362	2.439	2.422	2.304		2.302	8.80	
103)	TP sec-Butylbenzene	2.485	3.003	3.016	3.168	3.143	2.993		2.968	8.37	
104)	TP p-Isopropyltol...	2.003	2.670	2.638	2.728	2.674	2.560		2.546	10.67	
105)	TP 1,3-Dichlorobe...	1.087	1.315	1.301	1.313	1.302	1.247	1.256	1.260	6.44	
106)	TP 1,4-Dichlorobe...	1.093	1.278	1.241	1.270	1.267	1.239	1.247	1.234	5.18	
107)	TP p-Diethylbenzene	1.205	1.542	1.551	1.643	1.616	1.576	1.534	1.524	9.58	
108)	TP n-Butylbenzene	1.683	2.163	2.184	2.317	2.277	2.224		2.141	10.83	
109)	TP 1,2-Dichlorobe...	1.111	1.213	1.231	1.246	1.212	1.192	1.180	1.198	3.70	
110)	TP 1,2,4,5-Tetram...	1.959	2.287	2.308	2.437	2.488	2.431		2.318	8.32	
111)	TP 1,2-Dibromo-3-...	0.085	0.087	0.079	0.083	0.085	0.088	0.086	0.085	3.34	
112)	TP 1,3,5-Trichlor...	0.779	0.876	0.866	0.901	0.921	0.895	0.843	0.869	5.40	

Response Factor Report Elaine

Method Path : K:\Elaine\2025\250808AICAL\
Method File : Elaine_250808A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Aug 11 08:01:29 2025
Response Via : Initial Calibration

Calibration Files

L11 =VE250808A04.D L1 =VE250808A06.D L2 =VE250808A08.D L3 =VE250808A10.D L4 =VE250808A11.D
L6 =VE250808A12.D L8 =VE250808A13.D L10 =VE250808A14.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113)	TP Hexachlorobuta...	0.221	0.286	0.272	0.282	0.285	0.273	0.249	0.267	8.88	
114)	TP 1,2,4-Trichlor...	0.732	0.758	0.749	0.776	0.786	0.765	0.728	0.756	2.87	
115)	TP Naphthalene	1.674	1.706	1.736	1.789	1.848	1.830	1.733	1.759	3.68	
116)	TP 1,2,3-Trichlor...	0.618	0.677	0.678	0.705	0.703	0.694	0.659	0.676	4.48	

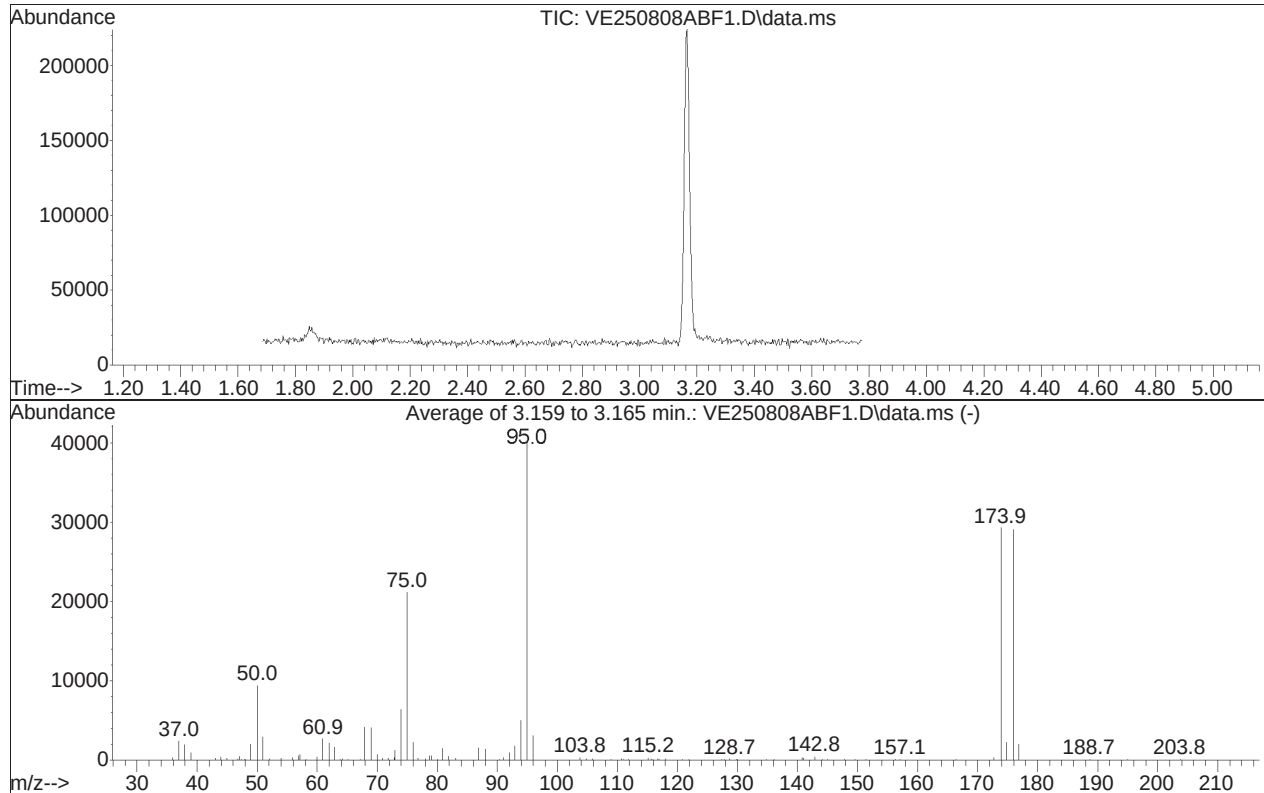
(#) = Out of Range

BFB

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808ABF1.D
 Acq On : 8 Aug 2025 12:28 am
 Operator : ELAINE:TMS
 Sample : WG2101503-1
 Misc : WG2101503
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 11 08:01:29 2025



AutoFind: Scans 529, 530, 531; Background Corrected with Scan 516

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	9390	PASS
75	95	30	60	52.6	21184	PASS
95	95	100	100	100.0	40257	PASS
96	95	5	9	7.6	3045	PASS
173	174	0.00	2	1.0	307	PASS
174	95	50	100	72.9	29331	PASS
175	174	5	9	7.7	2266	PASS
176	174	95	101	99.1	29069	PASS
177	176	5	9	7.1	2062	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A04.D
 Acq On : 8 Aug 2025 2:00 am
 Operator : ELAINE:PID
 Sample : I8260STD0.19PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 11 07:40:35 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	853572	10.000	ug/L	0.00
Standard Area 1 = 863943			Recovery	=	98.80%	
63) Chlorobenzene-d5	9.215	117	711784	10.000	ug/L	0.00
Standard Area 1 = 672769			Recovery	=	105.80%	
84) 1,4-Dichlorobenzene-d4	11.982	152	338446	10.000	ug/L	0.00
Standard Area 1 = 334598			Recovery	=	101.15%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.921	113	245132	10.951	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	109.51%	
47) 1,2-Dichloroethane-d4	5.437	65	301270	10.310	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	103.10%	
64) Toluene-d8	7.387	98	938362	9.918	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.18%	
88) 4-Bromofluorobenzene	10.740	95	338439	10.169	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.69%	
Target Compounds						Qvalue
4) Vinyl chloride	1.742	62	4936M6	0.213	ug/L	
37) Carbon tetrachloride	4.885	117	5903M6	0.219	ug/L	
45) Benzene	5.303	78	16335	0.214	ug/L	93
48) 1,2-Dichloroethane	5.513	62	5774	0.199	ug/L	90
52) Trichloroethene	5.898	95	4242	0.220	ug/L	89
62) cis-1,3-Dichloropropene	7.197	75	6070M6	0.196	ug/L	
67) Tetrachloroethene	7.898	166	3358	0.170	ug/L	84
69) trans-1,3-Dichloropropene	7.930	75	4741M6	0.171	ug/L	
92) 1,1,2,2-Tetrachloroethane	11.000	83	3911	0.236	ug/L	98

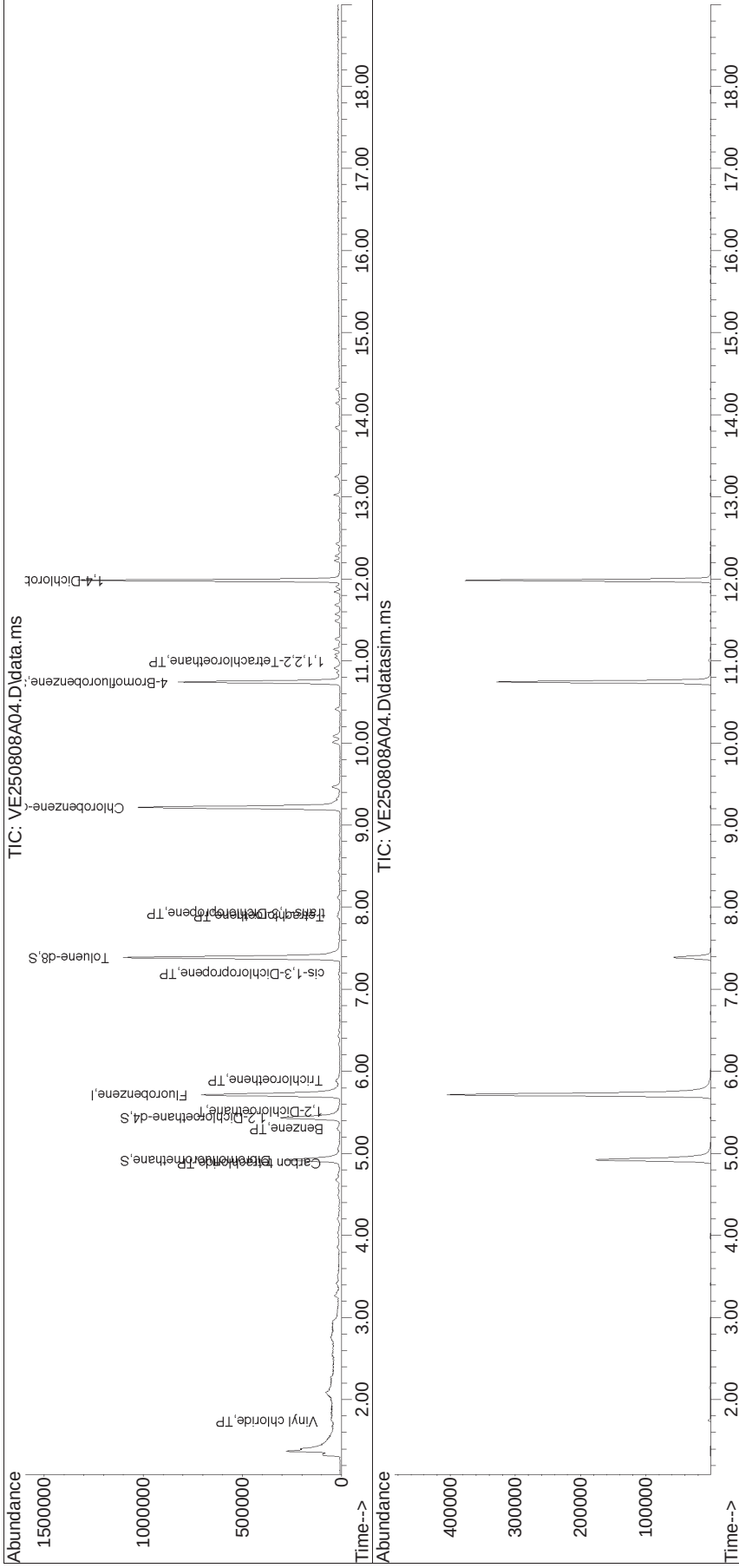
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A04.D
Acq On : 8 Aug 2025 2:00 am
Operator : ELAINE:PID
Sample : I8260STD0.19PPB
Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 11 07:40:35 2025
Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 07:40:10 2025
Response via : Initial Calibration

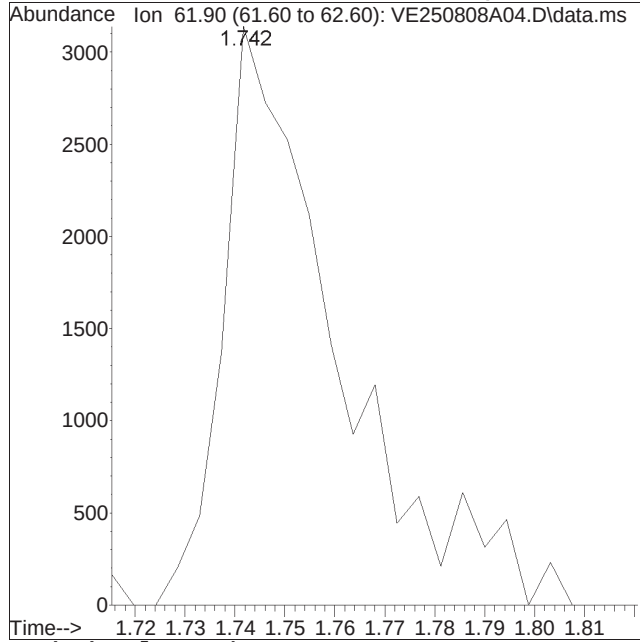
SAMPLE(S) : 8260KL1E1NINEW2025125008AICAL\VE250808A10.D



Manual Integration Report

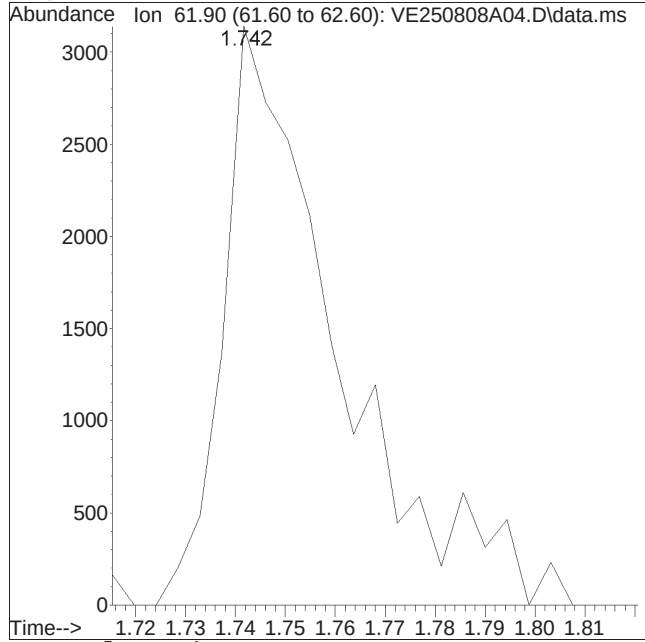
Data Path : K:\Elaine\2025\250808AICAL
Data File : VE250808A04.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 2:00 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 8/11/2025 7:40 am

Compound #4: Vinyl chloride



Original Peak Response = 4997

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

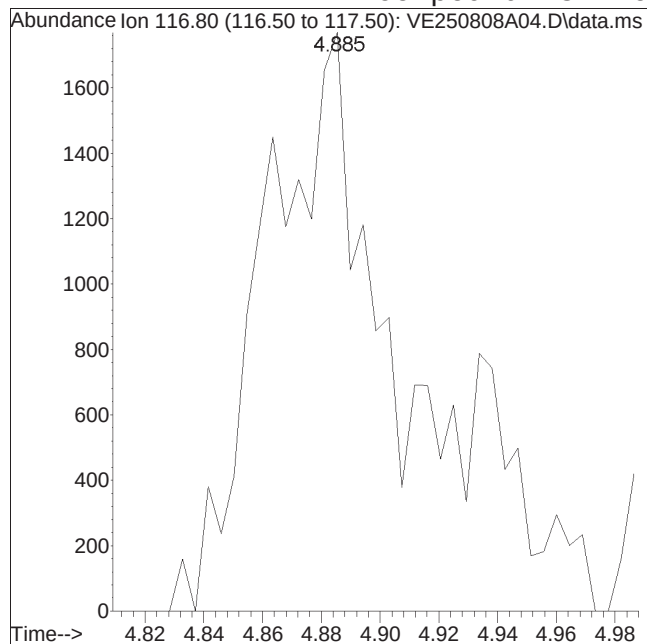


Manual Peak Response = 4936 M6

Manual Integration Report

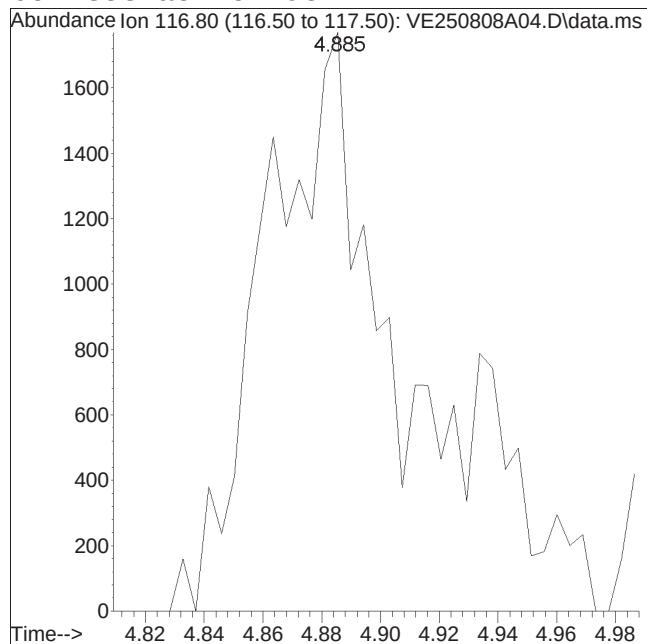
Data Path : K:\Elaine\2025\250808AICALQ Method : Elaine_250808A_8260.m
Data File : VE250808A04.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 2:00 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 8/11/2025 7:40 am

Compound #37: Carbon tetrachloride



Original Peak Response = 5945

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



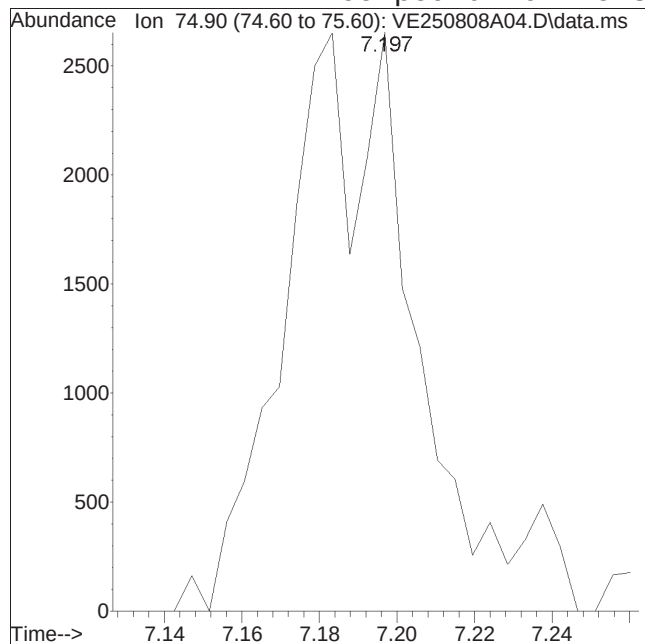
Manual Peak Response = 5903 M6

Manual Integration Report

Data Path : K:\Elaine\2025\250808AICALQ
Data File : VE250808A04.D
Date Inj'd : 8/8/2025 2:00 am
Sample : I8260STD0.19PPB

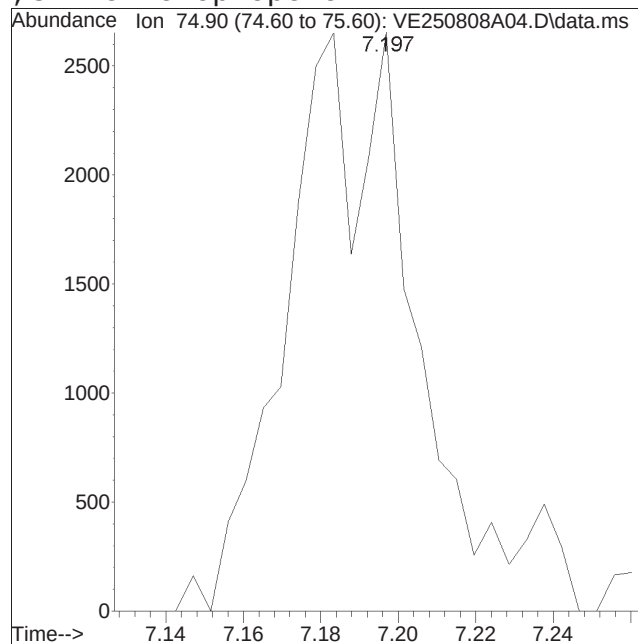
Method : Elaine_250808A_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 8/11/2025 7:40 am

Compound #62: cis-1,3-Dichloropropene



Original Peak Response = 6114

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

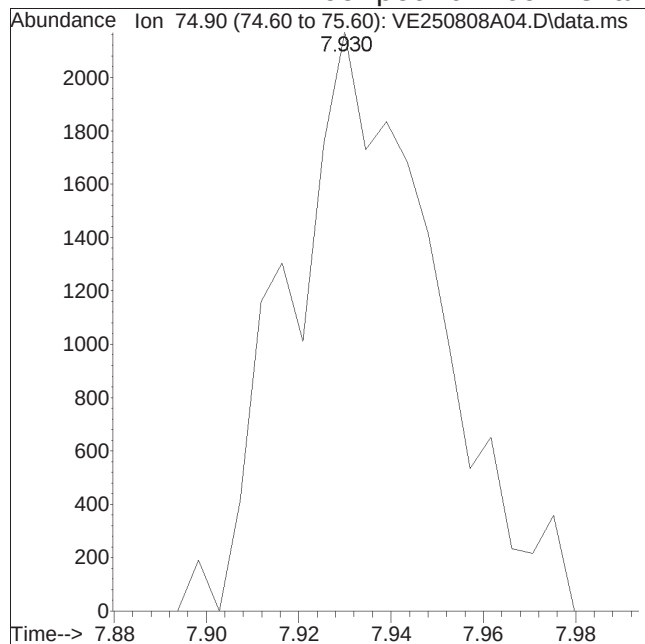


Manual Peak Response = 6070 M6

Manual Integration Report

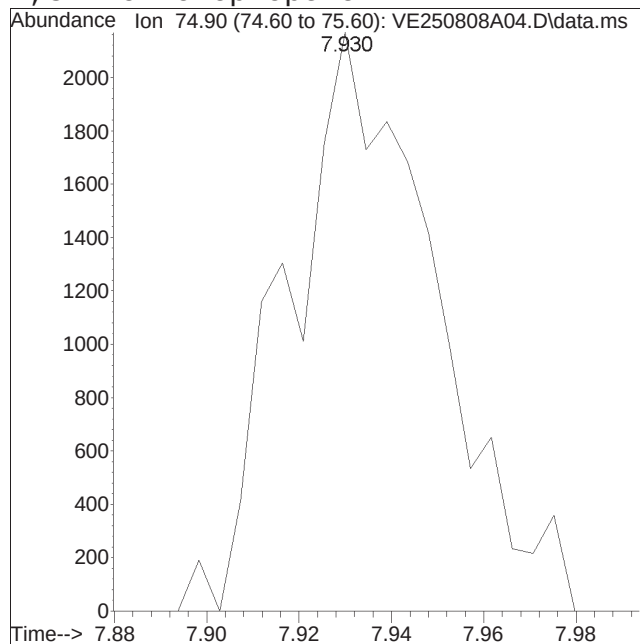
Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A04.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 2:00 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 8/11/2025 7:40 am

Compound #69: trans-1,3-Dichloropropene



Original Peak Response = 4792

M6 = Misassignment of peak valley by



Manual Peak Response = 4741 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A06.D
 Acq On : 8 Aug 2025 2:48 am
 Operator : ELAINE:PID
 Sample : I8260STD0.5PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 11 07:40:43 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	833282	10.000	ug/L	0.00
Standard Area 1 = 863943			Recovery	=	96.45%	
63) Chlorobenzene-d5	9.215	117	694969	10.000	ug/L	0.00
Standard Area 1 = 672769			Recovery	=	103.30%	
84) 1,4-Dichlorobenzene-d4	11.983	152	335662	10.000	ug/L	0.00
Standard Area 1 = 334598			Recovery	=	100.32%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.921	113	237521	10.869	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	108.69%	
47) 1,2-Dichloroethane-d4	5.437	65	302684	10.610	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	106.10%	
64) Toluene-d8	7.387	98	919225	9.951	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.51%	
88) 4-Bromofluorobenzene	10.745	95	332336	10.069	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.69%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.500	85	7239	0.394	ug/L	98
3) Chloromethane	1.676	50	13714	0.526	ug/L	100
4) Vinyl chloride	1.746	62	10122	0.447	ug/L	99
5) Bromomethane	2.036	94	5032	0.510	ug/L #	75
6) Chloroethane	2.141	64	6498	0.527	ug/L	75
7) Trichlorofluoromethane	2.277	101	11258	0.452	ug/L	97
8) Ethyl ether	2.550	74	4415M1	0.471	ug/L	
10) 1,1-Dichloroethene	2.734	96	7176M6	0.478	ug/L	
11) Carbon disulfide	2.769	76	20232	0.459	ug/L #	82
12) Freon-113	2.765	101	6563	0.438	ug/L	97
13) Iodomethane	2.870	142	6891	0.392	ug/L	97
14) Acrolein	0.000		0	N.D.	d	
15) Methylene chloride	3.265	84	15748	0.761	ug/L	97
17) Acetone	3.309	43	10182M6	1.514	ug/L	
18) trans-1,2-Dichloroethene	3.415	96	9826	0.546	ug/L	83
19) Methyl acetate	3.419	43	10166M6	0.933	ug/L	
21) Methyl tert-butyl ether	3.511	73	23159	0.481	ug/L #	77
22) tert-Butyl alcohol	0.000		0	N.D.	d	
24) Diisopropyl ether	3.854	45	34221	0.507	ug/L	95
25) 1,1-Dichloroethane	3.977	63	20129	0.523	ug/L	98
26) Halothane	4.034	117	6667	0.487	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A06.D
 Acq On : 8 Aug 2025 2:48 am
 Operator : ELAINE:PID
 Sample : I8260STD0.5PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 11 07:40:43 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) Acrylonitrile	0.000		0	N.D.	d	
28) Ethyl tert-butyl ether	4.196	59	31761	0.490	ug/L #	87
29) Vinyl acetate	0.000		0	N.D.	d	
30) cis-1,2-Dichloroethene	4.490	96	10337	0.507	ug/L	94
31) 2,2-Dichloropropane	4.578	77	15262	0.516	ug/L	87
33) Bromochloromethane	4.675	128	5313	0.593	ug/L	91
34) Cyclohexane	4.683	56	19950	0.456	ug/L	98
35) Chloroform	4.745	83	18546	0.548	ug/L	94
36) Ethyl acetate	0.000		0	N.D.	d	
37) Carbon tetrachloride	4.881	117	12951	0.491	ug/L #	78
38) Tetrahydrofuran	0.000		0	N.D.	d	
40) 1,1,1-Trichloroethane	4.934	97	12363	0.436	ug/L	94
42) 2-Butanone	0.000		0	N.D.	d	
43) 1,1-Dichloropropene	5.061	75	9024	0.390	ug/L	91
45) Benzene	5.311	78	33985	0.455	ug/L	96
46) tert-Amyl methyl ether	5.418	73	23617	0.508	ug/L	99
48) 1,2-Dichloroethane	5.504	62	15063	0.532	ug/L	94
51) Methyl cyclohexane	5.880	83	13206	0.408	ug/L	92
52) Trichloroethene	5.903	95	8156	0.434	ug/L	98
54) Dibromomethane	6.328	93	6158	0.581	ug/L	88
55) 1,2-Dichloropropane	6.428	63	10555	0.481	ug/L	99
57) 2-Chloroethyl vinyl ether	7.129	63	5344	0.501	ug/L #	86
58) Bromodichloromethane	6.505	83	12962	0.498	ug/L	99
61) 1,4-Dioxane	6.704	88	13543	108.556	ug/L	96
62) cis-1,3-Dichloropropene	7.192	75	13161	0.436	ug/L #	59
65) Toluene	7.446	92	19789	0.420	ug/L	96
66) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
67) Tetrachloroethene	7.889	166	8137	0.423	ug/L	95
69) trans-1,3-Dichloropropene	7.930	75	12033	0.444	ug/L #	78
71) Ethyl methacrylate	8.125	69	10568	0.522	ug/L	95
72) 1,1,2-Trichloroethane	8.120	83	6033	0.482	ug/L	98
73) Chlorodibromomethane	8.319	129	7758	0.411	ug/L	92
74) 1,3-Dichloropropane	8.432	76	13385	0.478	ug/L	96
75) 1,2-Dibromoethane	8.586	107	6931	0.448	ug/L	88
77) 2-Hexanone	0.000		0	N.D.	d	
78) Chlorobenzene	9.233	112	23290	0.438	ug/L #	68
79) Ethylbenzene	9.274	91	41087	0.436	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.315	131	8712	0.461	ug/L #	65
81) p/m Xylene	9.469	106	29545	0.828	ug/L	96
82) o Xylene	10.007	106	30752	0.870	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A06.D
 Acq On : 8 Aug 2025 2:48 am
 Operator : ELAINE:PID
 Sample : I8260STD0.5PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 11 07:40:43 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Styrene	10.084	104	51212	0.890	ug/L	94
85)	Bromoform	10.102	173	4299	0.433	ug/L	86
87)	Isopropylbenzene	10.410	105	37712	0.405	ug/L	96
89)	Bromobenzene	10.859	156	9929	0.477	ug/L	99
90)	n-Propylbenzene	10.908	91	43155	0.411	ug/L	99
91)	1,4-Dichlorobutane	10.930	55	16342M3	0.516	ug/L	
92)	1,1,2,2-Tetrachloroethane	11.000	83	8549	0.521	ug/L	96
93)	4-Ethyltoluene	11.035	105	37349	0.419	ug/L	97
94)	2-Chlorotoluene	11.079	91	28653M6	0.435	ug/L	
95)	1,3,5-Trimethylbenzene	11.141	105	33634	0.428	ug/L	97
96)	1,2,3-Trichloropropane	11.137	75	6920	0.509	ug/L	89
97)	trans-1,4-Dichloro-2-b...	11.203	53	3379	0.526	ug/L	95
98)	4-Chlorotoluene	11.264	91	31548	0.451	ug/L	97
99)	tert-Butylbenzene	11.489	119	27540	0.407	ug/L	96
102)	1,2,4-Trimethylbenzene	11.568	105	31881	0.416	ug/L	99
103)	sec-Butylbenzene	11.679	105	41701	0.428	ug/L	100
104)	p-Isopropyltoluene	11.846	119	33613	0.399	ug/L	92
105)	1,3-Dichlorobenzene	11.908	146	18241	0.431	ug/L	94
106)	1,4-Dichlorobenzene	12.000	146	18341M3	0.443	ug/L	
107)	p-Diethylbenzene	12.220	119	20232	0.396	ug/L	95
108)	n-Butylbenzene	12.282	91	28242	0.395	ug/L	98
109)	1,2-Dichlorobenzene	12.427	146	18645	0.464	ug/L	97
110)	1,2,4,5-Tetramethylben...	13.022	119	32875	0.429	ug/L	98
111)	1,2-Dibromo-3-chloropr...	13.212	155	1426	0.501	ug/L	91
112)	1,3,5-Trichlorobenzene	13.247	180	13070	0.448	ug/L	94
113)	Hexachlorobutadiene	13.828	225	3714	0.415	ug/L	94
114)	1,2,4-Trichlorobenzene	13.846	180	12288	0.484	ug/L	96
115)	Naphthalene	14.141	128	28088	0.476	ug/L	100
116)	1,2,3-Trichlorobenzene	14.309	180	10375	0.457	ug/L #	94

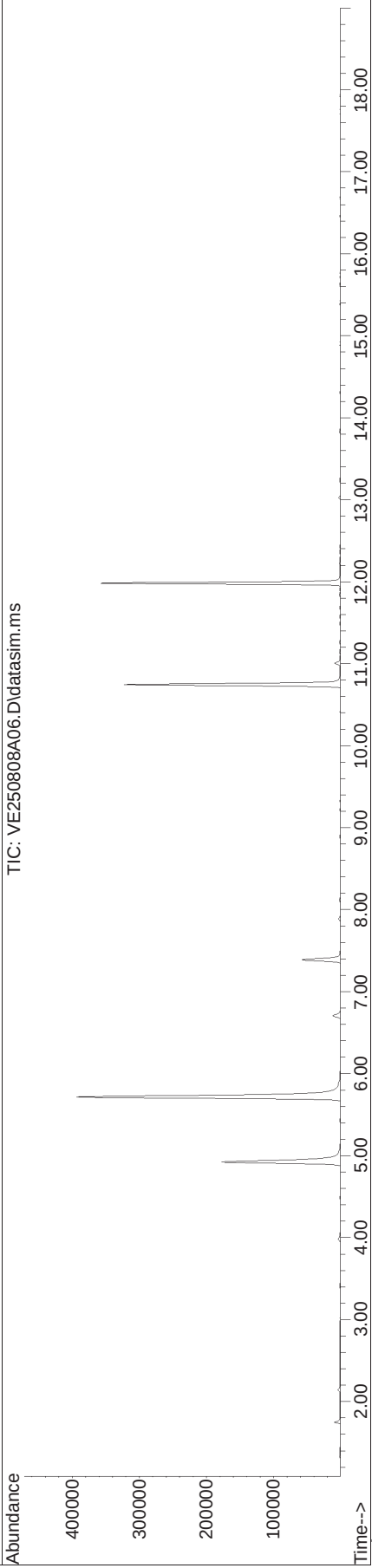
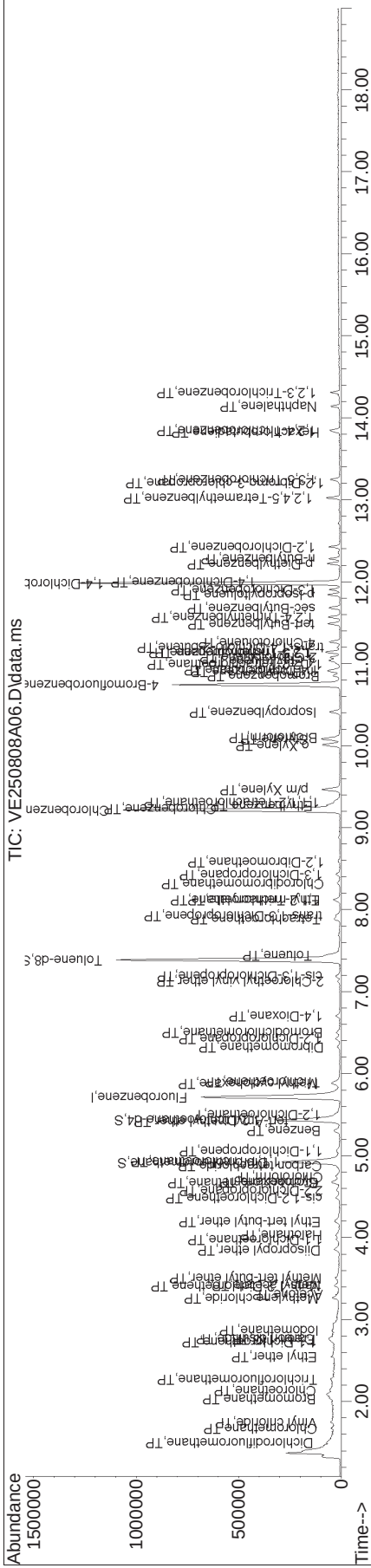
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A06.D
Acq On : 8 Aug 2025 2:48 am
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 11 07:40:43 2025
Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 07:40:10 2025
Response via : Initial Calibration

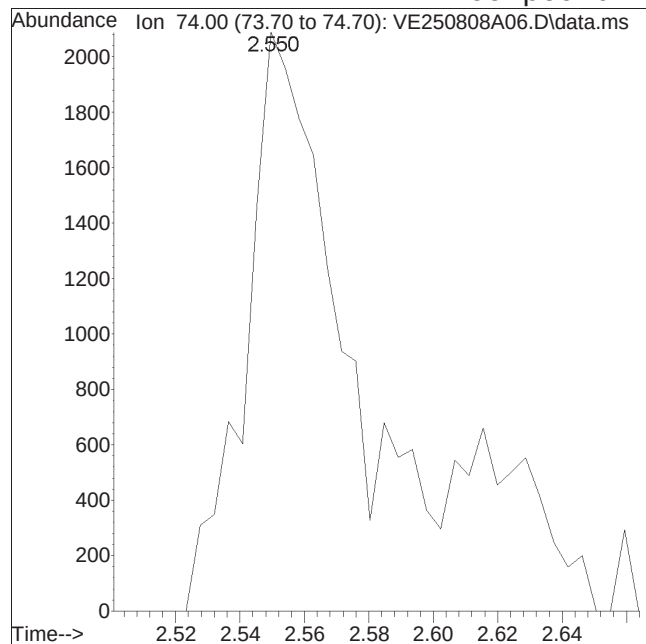
60ALLISTE(S) : 8260KCNELINE\250808A06.D\VE250808A10.D



Manual Integration Report

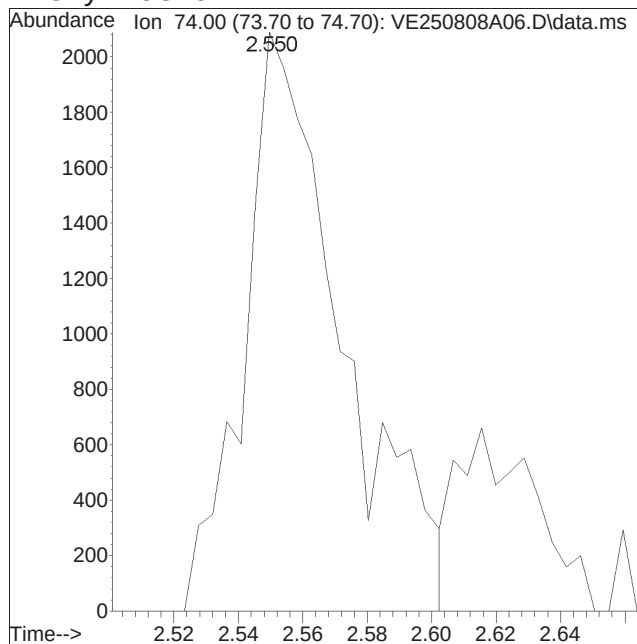
Data Path : K:\Elaine\2025\250808AICAL
Data File : VE250808A06.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 2:48 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/11/2025 7:40 am

Compound #8: Ethyl ether



Original Peak Response = 5528

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

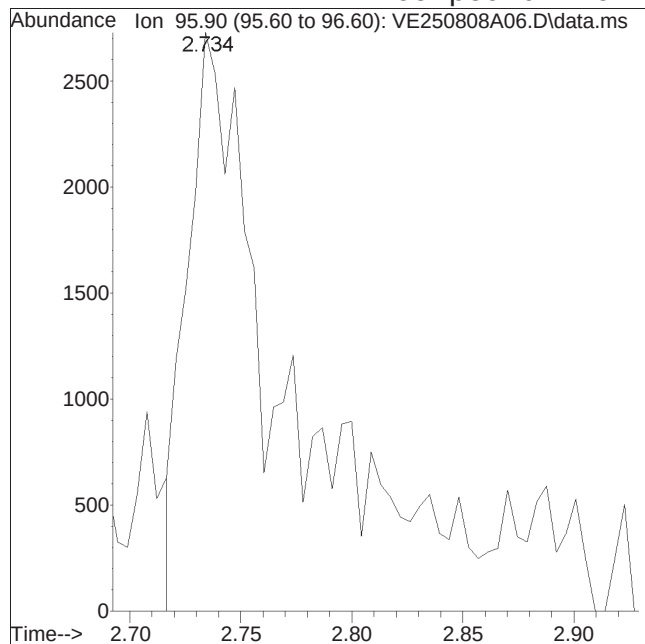


Manual Peak Response = 4415 M1

Manual Integration Report

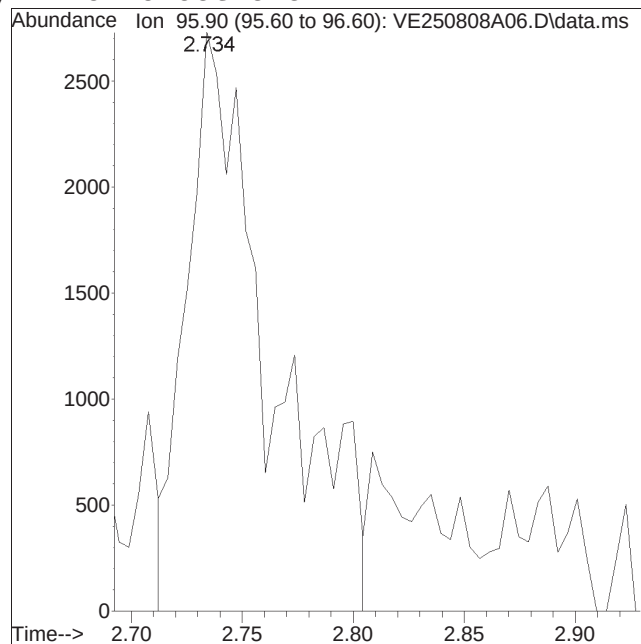
Data Path : K:\Elaine\2025\250808AICAL
Data File : VE250808A06.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 2:48 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/11/2025 7:40 am

Compound #10: 1,1-Dichloroethene



Original Peak Response = 9627

M6 = Misassignment of peak valley by



Manual Peak Response = 7176 M6

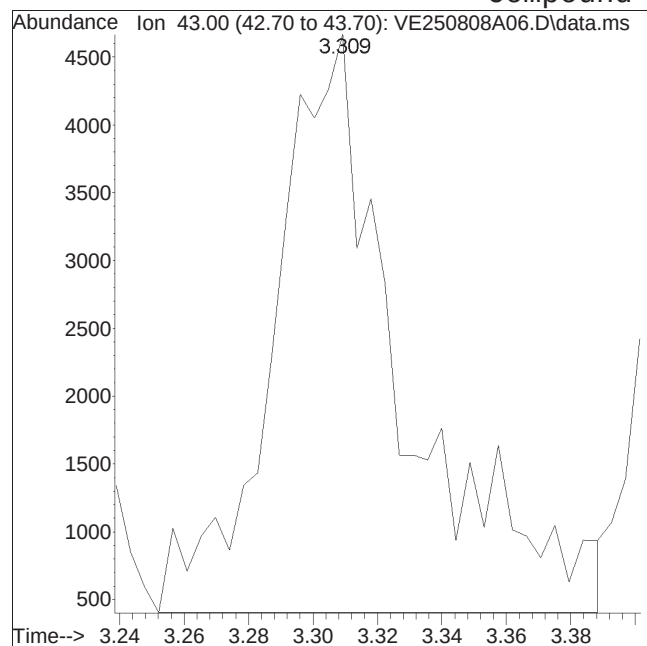
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\Elaine\2025\250808AICAL
Data File : VE250808A06.D
Date Inj'd : 8/8/2025 2:48 am
Sample : I8260STD0.5PPB

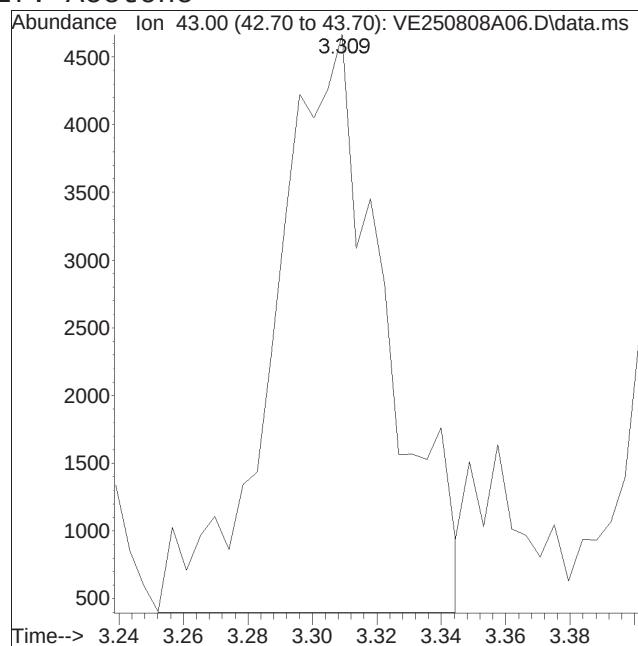
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 8/11/2025 7:40 am

Compound #17: Acetone



Original Peak Response = 11848

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 10182 M6

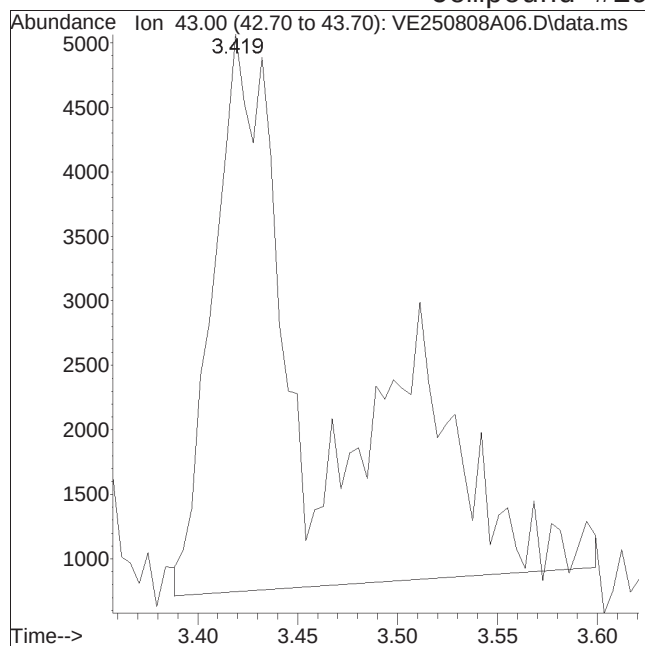
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\Elaine\2025\250808AICAL
Data File : VE250808A06.D
Date Inj'd : 8/8/2025 2:48 am
Sample : I8260STD0.5PPB

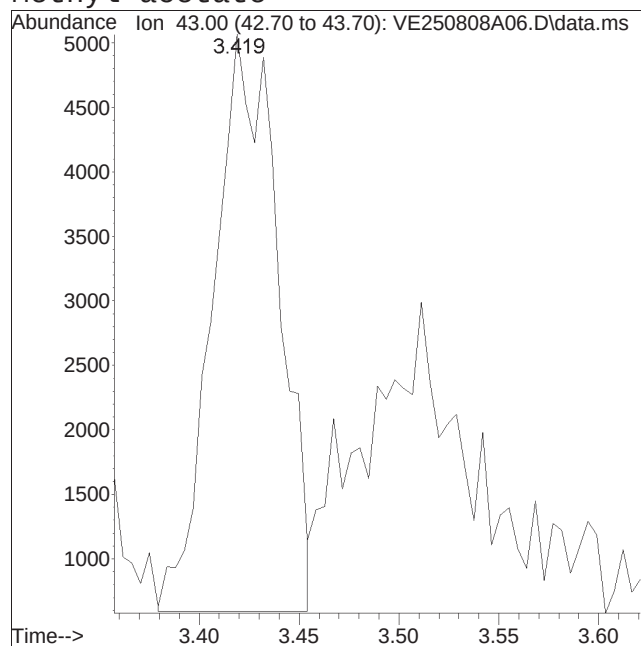
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 8/11/2025 7:40 am

Compound #19: Methyl acetate



Original Peak Response = 16358

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

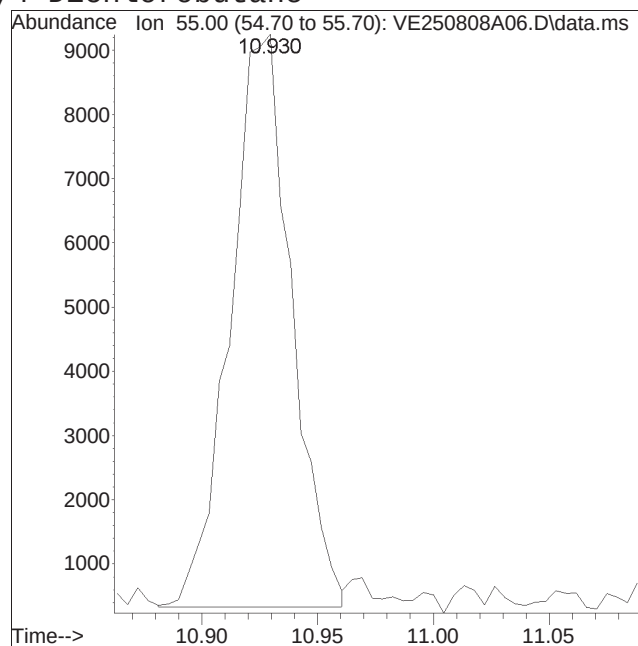
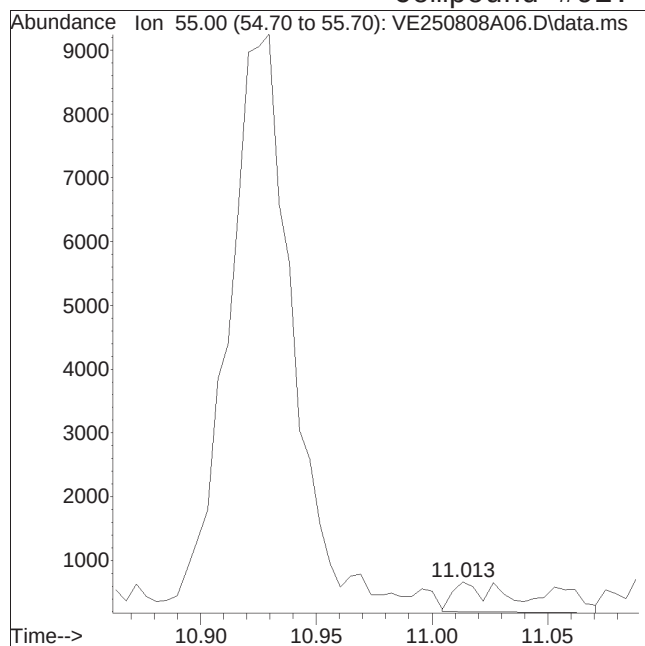


Manual Peak Response = 10166 M6

Manual Integration Report

Data Path : K:\Elaine\2025\250808AICALQ Method : Elaine_250808A_8260.m
Data File : VE250808A06.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 2:48 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/11/2025 7:40 am

Compound #91: 1,4-Dichlorobutane



Original Peak Response = 1130

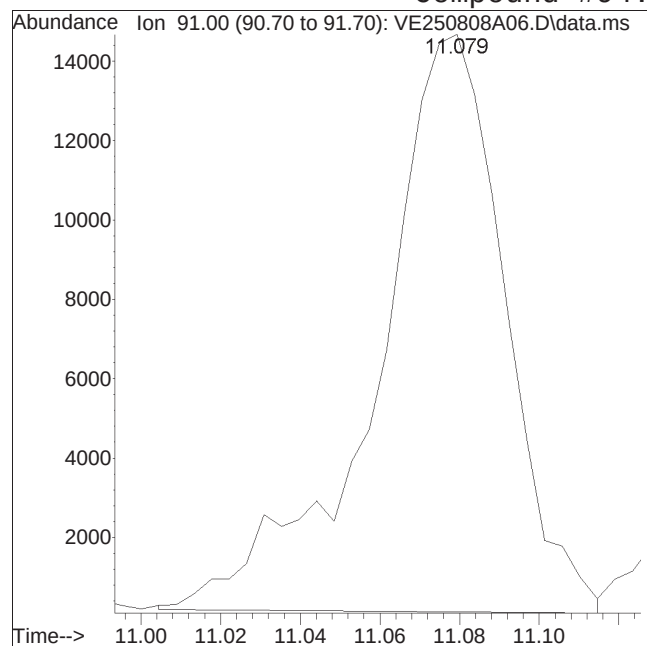
Manual Peak Response = 16342 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

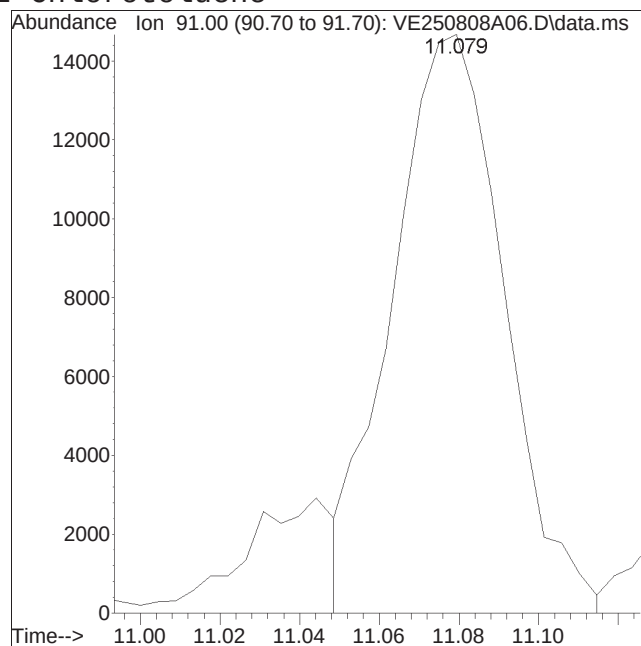
Data Path : K:\Elaine\2025\250808AICAL\ : Elaine_250808A_8260.m
Data File : VE250808A06.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 2:48 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/11/2025 7:40 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 32152

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

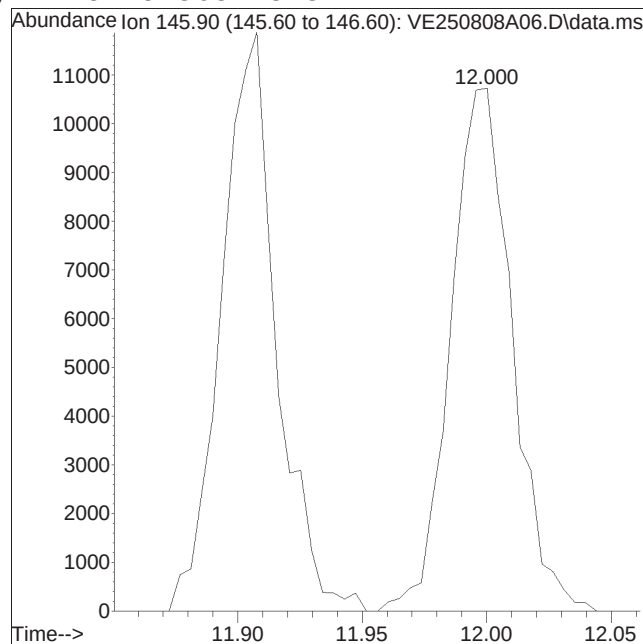
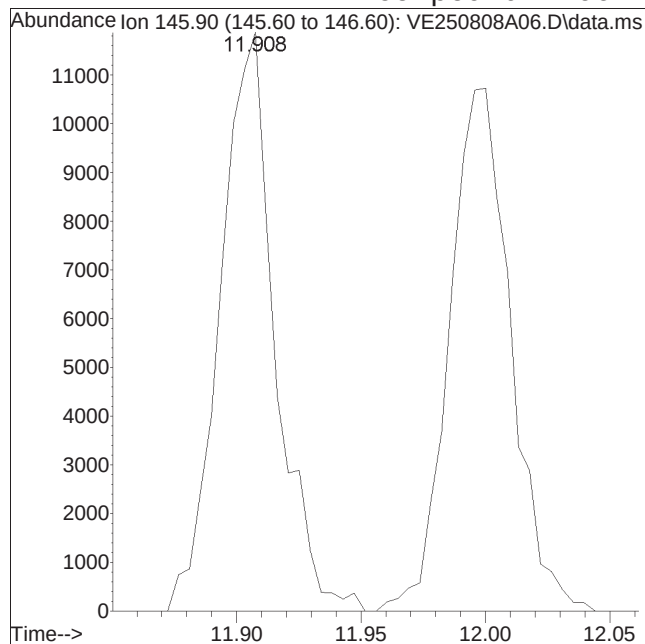


Manual Peak Response = 28653 M6

Manual Integration Report

Data Path : K:\Elaine\2025\250808AICAL
Data File : VE250808A06.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 2:48 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/11/2025 7:40 am

Compound #106: 1,4-Dichlorobenzene



Original Peak Response = 18241

Manual Peak Response = 18341 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A08.D
 Acq On : 8 Aug 2025 3:36 am
 Operator : ELAINE:PID
 Sample : I8260STD2PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 11 07:40:51 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	836411	10.000	ug/L	0.00
Standard Area 1 = 863943			Recovery	=	96.81%	
63) Chlorobenzene-d5	9.220	117	684471	10.000	ug/L	0.00
Standard Area 1 = 672769			Recovery	=	101.74%	
84) 1,4-Dichlorobenzene-d4	11.983	152	337596	10.000	ug/L	0.00
Standard Area 1 = 334598			Recovery	=	100.90%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.921	113	232147	10.584	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.84%	
47) 1,2-Dichloroethane-d4	5.432	65	306000	10.687	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	106.87%	
64) Toluene-d8	7.387	98	907634	9.977	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.77%	
88) 4-Bromofluorobenzene	10.745	95	327054	9.852	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.52%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.500	85	42083	2.281	ug/L	95
3) Chloromethane	1.680	50	60445	2.310	ug/L	99
4) Vinyl chloride	1.746	62	52710	2.322	ug/L	98
5) Bromomethane	2.032	94	23739	2.396	ug/L	100
6) Chloroethane	2.141	64	29135	2.356	ug/L	98
7) Trichlorofluoromethane	2.277	101	56284	2.252	ug/L	98
8) Ethyl ether	2.545	74	19564	2.078	ug/L #	77
10) 1,1-Dichloroethene	2.734	96	37027	2.458	ug/L	89
11) Carbon disulfide	2.765	76	100146	2.264	ug/L	95
12) Freon-113	2.765	101	34811	2.313	ug/L	99
13) Iodomethane	2.866	142	31630	1.791	ug/L	97
14) Acrolein	3.033	56	9974M6	3.065	ug/L	
15) Methylene chloride	3.261	84	44417	2.138	ug/L	96
17) Acetone	3.309	43	13924	2.063	ug/L	96
18) trans-1,2-Dichloroethene	3.410	96	40259	2.230	ug/L	97
19) Methyl acetate	3.415	43	23830M3	2.179	ug/L	
21) Methyl tert-butyl ether	3.502	73	99760	2.065	ug/L #	81
22) tert-Butyl alcohol	3.599	59	13977	10.960	ug/L #	100
24) Diisopropyl ether	3.863	45	138676	2.049	ug/L	99
25) 1,1-Dichloroethane	3.977	63	88507	2.290	ug/L	99
26) Halothane	4.029	117	30915	2.248	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A08.D
 Acq On : 8 Aug 2025 3:36 am
 Operator : ELAINE:PID
 Sample : I8260STD2PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 11 07:40:51 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.016	53	12858	2.288	ug/L	95
28) Ethyl tert-butyl ether	4.192	59	128657	1.978	ug/L	95
29) Vinyl acetate	4.205	43	46042	2.364	ug/L	97
30) cis-1,2-Dichloroethene	4.482	96	45930	2.243	ug/L	99
31) 2,2-Dichloropropane	4.578	77	66809	2.252	ug/L	90
33) Bromochloromethane	4.679	128	20178	2.243	ug/L	96
34) Cyclohexane	4.679	56	100806	2.293	ug/L	99
35) Chloroform	4.749	83	75580	2.227	ug/L	98
36) Ethyl acetate	4.855	43	27026	2.002	ug/L #	97
37) Carbon tetrachloride	4.877	117	53050M6	2.005	ug/L	
38) Tetrahydrofuran	4.899	42	10346M6	2.481	ug/L	
40) 1,1,1-Trichloroethane	4.938	97	61904	2.175	ug/L	99
42) 2-Butanone	5.039	43	12010M6	2.109	ug/L	
43) 1,1-Dichloropropene	5.066	75	49211	2.120	ug/L	99
45) Benzene	5.303	78	153258	2.045	ug/L	98
46) tert-Amyl methyl ether	5.414	73	92589	1.982	ug/L	99
48) 1,2-Dichloroethane	5.509	62	59628	2.097	ug/L	97
51) Methyl cyclohexane	5.876	83	69268	2.130	ug/L	99
52) Trichloroethene	5.894	95	38635	2.046	ug/L	97
54) Dibromomethane	6.328	93	22763	2.140	ug/L	94
55) 1,2-Dichloropropane	6.428	63	45749	2.079	ug/L	100
57) 2-Chloroethyl vinyl ether	7.129	63	20883	1.950	ug/L	98
58) Bromodichloromethane	6.500	83	55557	2.125	ug/L	98
61) 1,4-Dioxane	6.708	88	53164	424.551	ug/L	99
62) cis-1,3-Dichloropropene	7.183	75	59281	1.957	ug/L	92
65) Toluene	7.441	92	95374	2.054	ug/L	96
66) 4-Methyl-2-pentanone	7.871	58	11684	2.054	ug/L	93
67) Tetrachloroethene	7.889	166	39709	2.094	ug/L	97
69) trans-1,3-Dichloropropene	7.930	75	49570	1.856	ug/L	95
71) Ethyl methacrylate	8.120	69	41532	2.085	ug/L	95
72) 1,1,2-Trichloroethane	8.116	83	24735	2.007	ug/L	94
73) Chlorodibromomethane	8.319	129	31612	1.700	ug/L	92
74) 1,3-Dichloropropane	8.428	76	51506	1.869	ug/L	99
75) 1,2-Dibromoethane	8.586	107	28779	1.887	ug/L	100
77) 2-Hexanone	8.885	43	18544	2.014	ug/L #	95
78) Chlorobenzene	9.238	112	107680	2.054	ug/L	95
79) Ethylbenzene	9.283	91	191884	2.065	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.324	131	36574	1.967	ug/L	95
81) p/m Xylene	9.464	106	148847	4.237	ug/L	96
82) o Xylene	10.012	106	147137	4.225	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A08.D
 Acq On : 8 Aug 2025 3:36 am
 Operator : ELAINE:PID
 Sample : I8260STD2PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 11 07:40:51 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Styrene	10.084	104	235653	4.159	ug/L	99
85)	Bromoform	10.107	173	19776	1.981	ug/L	97
87)	Isopropylbenzene	10.410	105	194760	2.079	ug/L	99
89)	Bromobenzene	10.850	156	40700	1.942	ug/L	97
90)	n-Propylbenzene	10.912	91	224618	2.126	ug/L	100
91)	1,4-Dichlorobutane	10.925	55	70174	2.205	ug/L	99
92)	1,1,2,2-Tetrachloroethane	11.005	83	32563	1.973	ug/L	96
93)	4-Ethyltoluene	11.040	105	188909	2.109	ug/L	100
94)	2-Chlorotoluene	11.075	91	135692M4	2.047	ug/L	
95)	1,3,5-Trimethylbenzene	11.141	105	163138	2.062	ug/L	98
96)	1,2,3-Trichloropropane	11.137	75	28926	2.116	ug/L	99
97)	trans-1,4-Dichloro-2-b...	11.194	53	12604	1.949	ug/L	96
98)	4-Chlorotoluene	11.264	91	146503	2.084	ug/L	99
99)	tert-Butylbenzene	11.489	119	142087	2.088	ug/L	99
102)	1,2,4-Trimethylbenzene	11.568	105	160914	2.087	ug/L	98
103)	sec-Butylbenzene	11.683	105	202737	2.068	ug/L	100
104)	p-Isopropyltoluene	11.842	119	180308	2.129	ug/L	98
105)	1,3-Dichlorobenzene	11.903	146	88808	2.087	ug/L	100
106)	1,4-Dichlorobenzene	12.000	146	86300	2.072	ug/L	98
107)	p-Diethylbenzene	12.220	119	104105	2.023	ug/L	99
108)	n-Butylbenzene	12.278	91	146014	2.032	ug/L	99
109)	1,2-Dichlorobenzene	12.423	146	81891	2.025	ug/L	98
110)	1,2,4,5-Tetramethylben...	13.022	119	154414	2.002	ug/L	99
111)	1,2-Dibromo-3-chloropr...	13.212	155	5877	2.055	ug/L	89
112)	1,3,5-Trichlorobenzene	13.247	180	59150	2.017	ug/L	97
113)	Hexachlorobutadiene	13.824	225	19285	2.141	ug/L	98
114)	1,2,4-Trichlorobenzene	13.846	180	51150	2.004	ug/L	99
115)	Naphthalene	14.141	128	115163	1.939	ug/L	100
116)	1,2,3-Trichlorobenzene	14.313	180	45710	2.002	ug/L	98

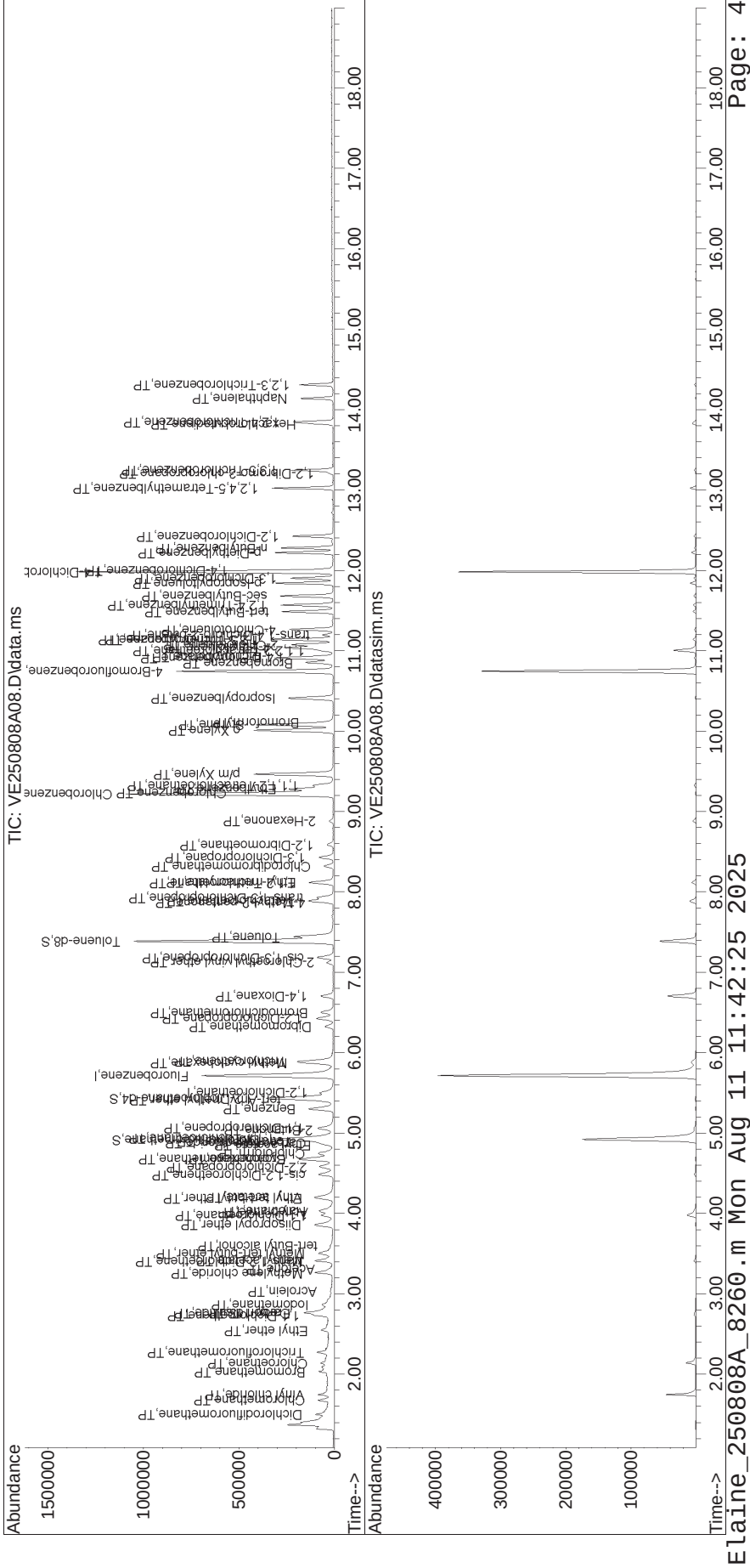
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A08.D
Acq On : 8 Aug 2025 3:36 am
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 11 07:40:51 2025
Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 07:40:10 2025
Response via : Initial Calibration

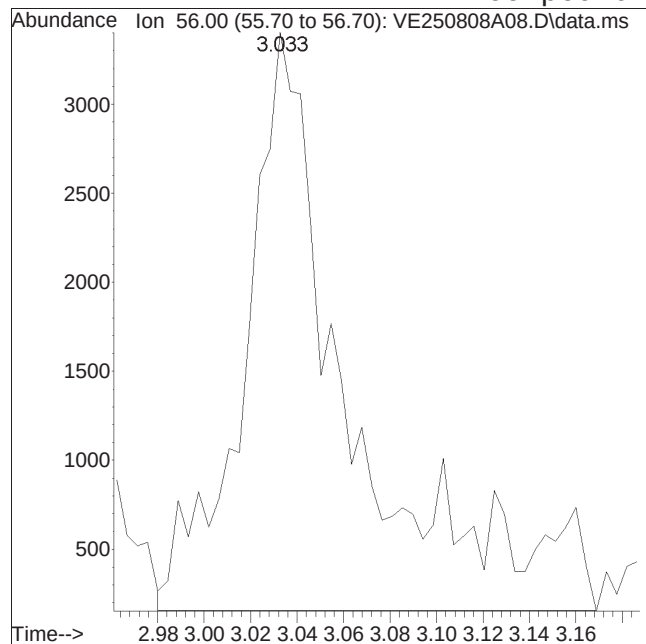
SAMPLE(S) : 8260KCNVaiheMEGAM\250808A08\VE250808A10.D



Manual Integration Report

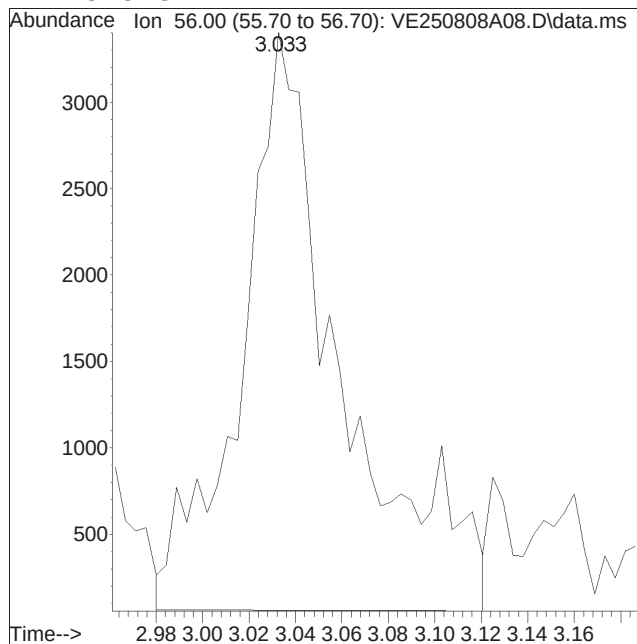
Data Path : K:\Elaine\2025\250808AICALQMethod : Elaine_250808A_8260.m
Data File : VE250808A08.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 3:36 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/11/2025 7:40 am

Compound #14: Acrolein



Original Peak Response = 10257

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



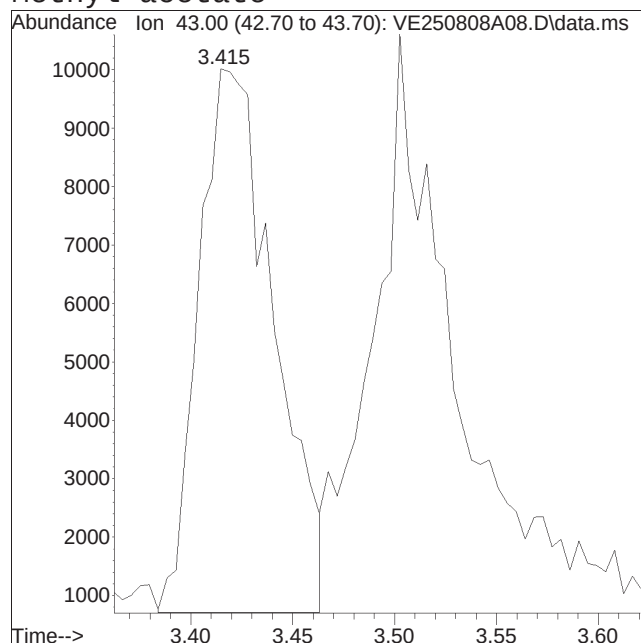
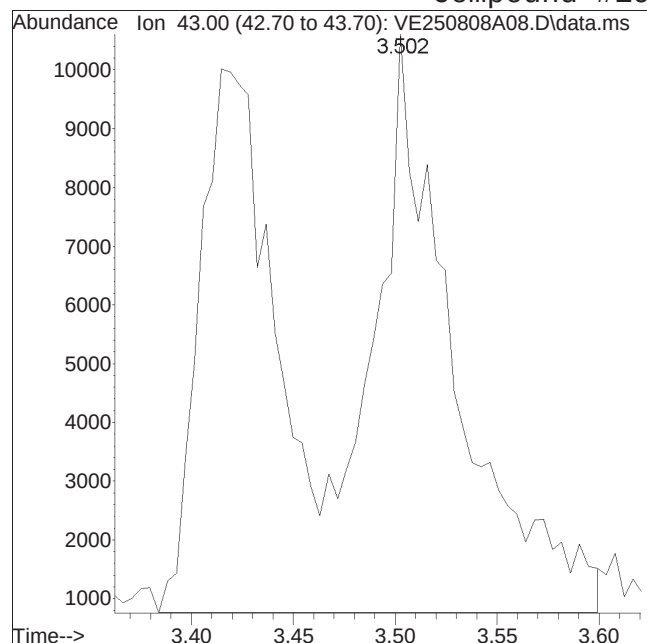
Manual Peak Response = 9974 M6

Manual Integration Report

Data Path : K:\Elaine\2025\250808AICAL
Data File : VE250808A08.D
Date Inj'd : 8/8/2025 3:36 am
Sample : I8260STD2PPB

Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 8/11/2025 7:40 am

Compound #19: Methyl acetate



Original Peak Response = 50744

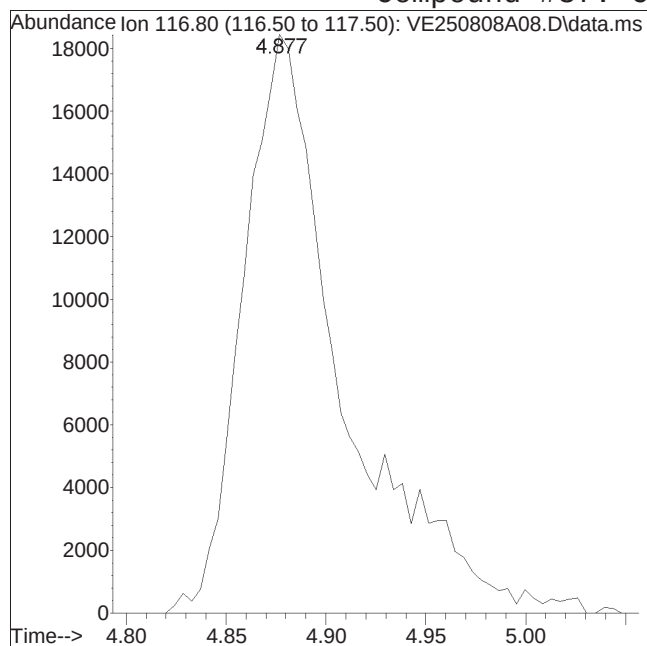
Manual Peak Response = 23830 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

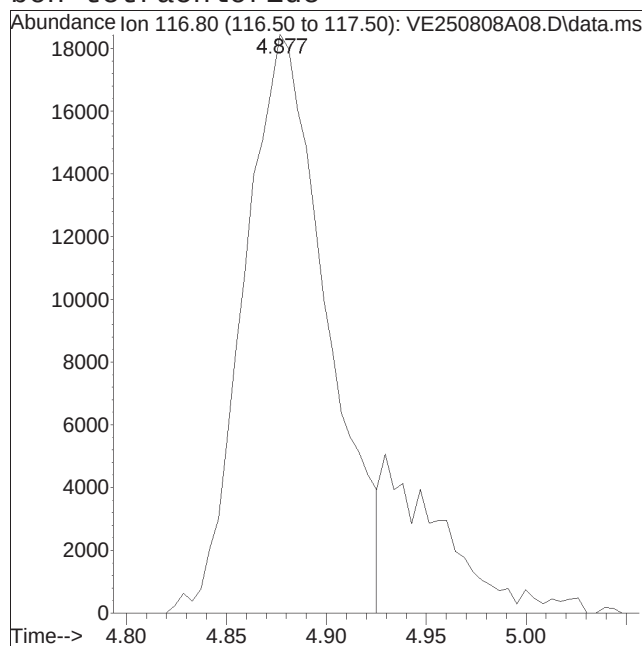
Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A08.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 3:36 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/11/2025 7:40 am

Compound #37: Carbon tetrachloride



Original Peak Response = 63784

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

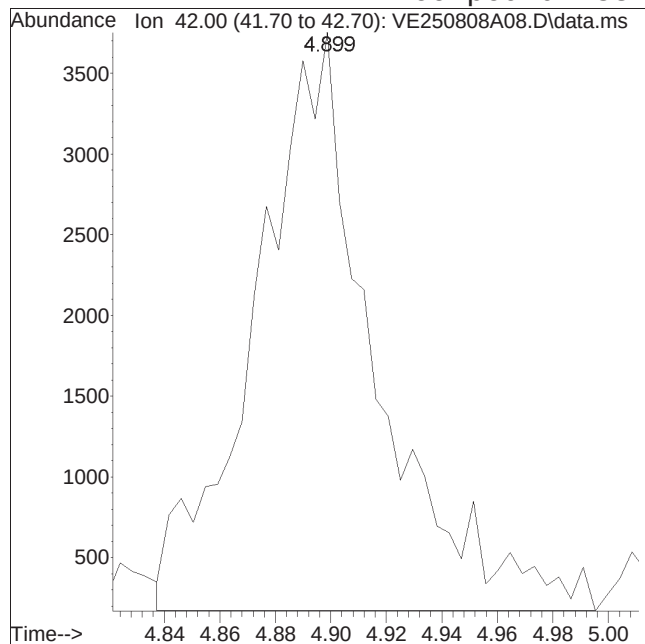


Manual Peak Response = 53050 M6

Manual Integration Report

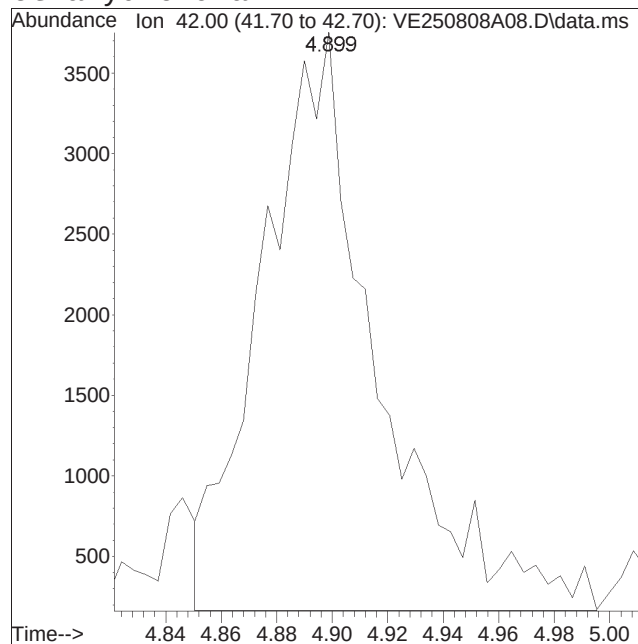
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Data File : VE250808A08.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 3:36 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/11/2025 7:40 am

Compound #38: Tetrahydrofuran



Original Peak Response = 10761

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

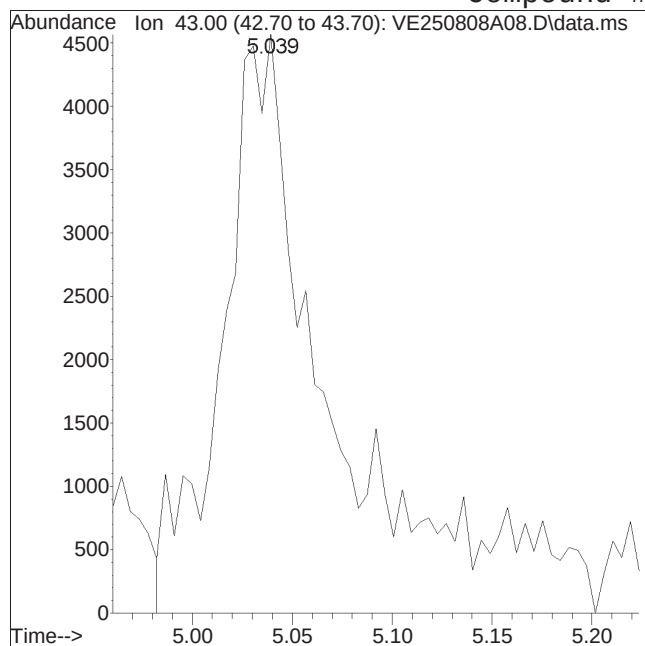


Manual Peak Response = 10346 M6

Manual Integration Report

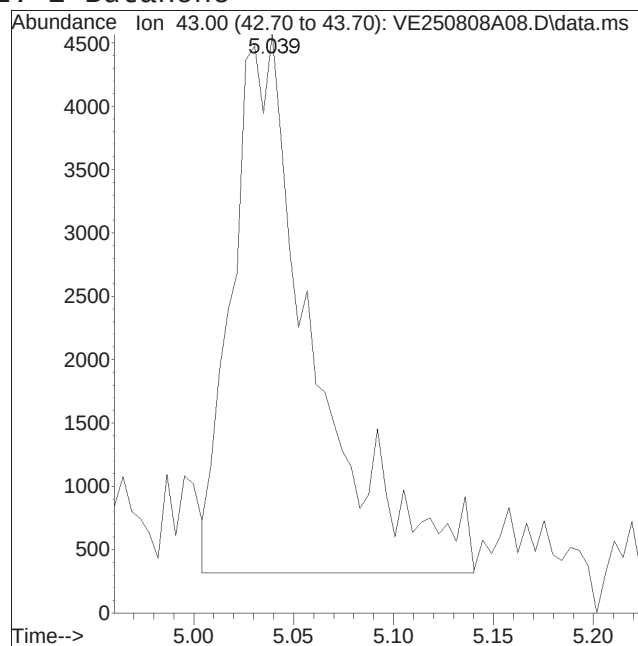
Data Path : K:\Elaine\2025\250808AICAL : Elaine_250808A_8260.m
Data File : VE250808A08.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 3:36 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/11/2025 7:40 am

Compound #42: 2-Butanone



Original Peak Response = 17679

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

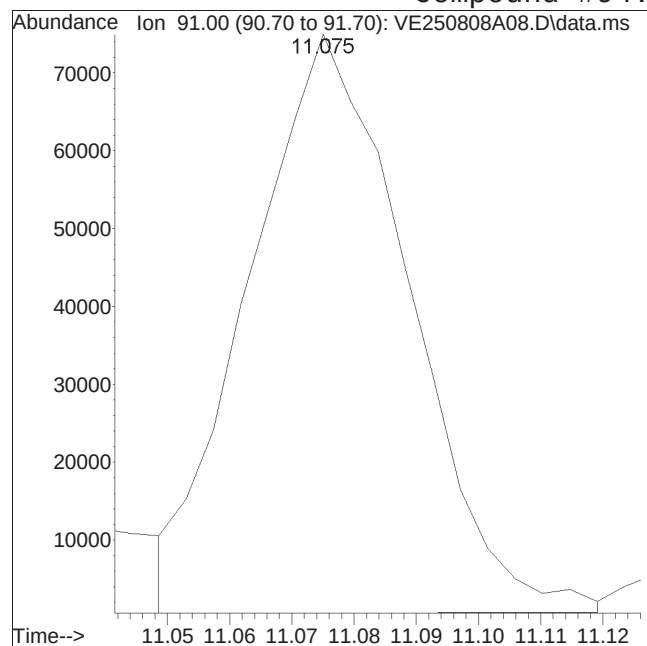


Manual Peak Response = 12010 M6

Manual Integration Report

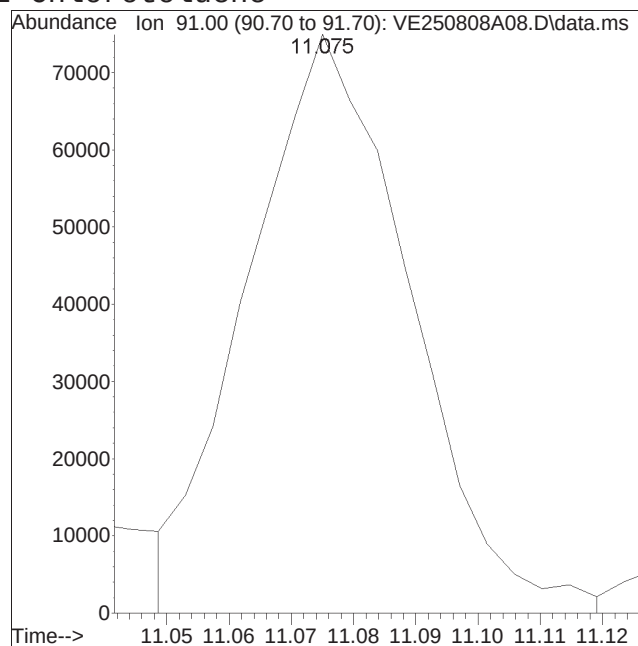
Data Path : K:\Elaine\2025\250808AICAL\ : Elaine_250808A_8260.m
Data File : VE250808A08.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 3:36 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/11/2025 7:40 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 132906

M4 = Poor automated baseline construction.



Manual Peak Response = 135692 M4

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A10.D
 Acq On : 8 Aug 2025 4:24 am
 Operator : ELAINE:PID
 Sample : I8260STD10PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 11 07:40:59 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	863943	10.000	ug/L	0.00
Standard Area 1 = 863943			Recovery	=	100.00%	
63) Chlorobenzene-d5	9.220	117	672769	10.000	ug/L	0.00
Standard Area 1 = 672769			Recovery	=	100.00%	
84) 1,4-Dichlorobenzene-d4	11.983	152	334598	10.000	ug/L	0.00
Standard Area 1 = 334598			Recovery	=	100.00%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.920	113	228620	10.091	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.91%	
47) 1,2-Dichloroethane-d4	5.432	65	311512	10.532	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.32%	
64) Toluene-d8	7.387	98	887245	9.922	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.22%	
88) 4-Bromofluorobenzene	10.745	95	330984	10.060	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.60%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.500	85	200531	10.521	ug/L	100
3) Chloromethane	1.676	50	286180	10.588	ug/L	100
4) Vinyl chloride	1.746	62	247406	10.550	ug/L	100
5) Bromomethane	2.031	94	98044	9.579	ug/L	100
6) Chloroethane	2.141	64	135753	10.626	ug/L	100
7) Trichlorofluoromethane	2.273	101	263750	10.219	ug/L	100
8) Ethyl ether	2.550	74	100475	10.332	ug/L	100
10) 1,1-Dichloroethene	2.738	96	158477	10.186	ug/L	100
11) Carbon disulfide	2.765	76	473413	10.362	ug/L	100
12) Freon-113	2.773	101	161422	10.382	ug/L	100
13) Iodomethane	2.866	142	175968	9.646	ug/L	100
14) Acrolein	3.032	56	33969	10.106	ug/L	100
15) Methylene chloride	3.265	84	200976	9.368	ug/L	100
17) Acetone	3.305	43	43611	6.256	ug/L	100
18) trans-1,2-Dichloroethene	3.414	96	188990	10.135	ug/L	100
19) Methyl acetate	3.419	43	94851M6	8.397	ug/L	
21) Methyl tert-butyl ether	3.502	73	494873	9.915	ug/L	100
22) tert-Butyl alcohol	3.599	59	63016	47.840	ug/L #	100
24) Diisopropyl ether	3.858	45	680792	9.737	ug/L	100
25) 1,1-Dichloroethane	3.981	63	413116	10.348	ug/L	100
26) Halothane	4.038	117	145530	10.243	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A10.D
 Acq On : 8 Aug 2025 4:24 am
 Operator : ELAINE:PID
 Sample : I8260STD10PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 11 07:40:59 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.020	53	59955	10.330	ug/L	100
28) Ethyl tert-butyl ether	4.196	59	644292	9.588	ug/L	100
29) Vinyl acetate	4.205	43	185676	9.229	ug/L	100
30) cis-1,2-Dichloroethene	4.486	96	217325	10.276	ug/L	100
31) 2,2-Dichloropropane	4.582	77	312876	10.212	ug/L	100
33) Bromochloromethane	4.675	128	94177	10.134	ug/L	100
34) Cyclohexane	4.679	56	469660	10.344	ug/L	100
35) Chloroform	4.749	83	353317	10.077	ug/L	100
36) Ethyl acetate	4.855	43	138055	9.899	ug/L	100
37) Carbon tetrachloride	4.877	117	255448M6	9.346	ug/L	
38) Tetrahydrofuran	4.890	42	41825M6	9.709	ug/L	
40) 1,1,1-Trichloroethane	4.938	97	301956	10.273	ug/L	100
42) 2-Butanone	5.026	43	56977	9.686	ug/L	100
43) 1,1-Dichloropropene	5.061	75	247432	10.321	ug/L	100
45) Benzene	5.298	78	757297	9.785	ug/L	100
46) tert-Amyl methyl ether	5.414	73	466991	9.680	ug/L	100
48) 1,2-Dichloroethane	5.500	62	295141	10.049	ug/L	100
51) Methyl cyclohexane	5.880	83	332225	9.891	ug/L	100
52) Trichloroethene	5.894	95	195615	10.031	ug/L	100
54) Dibromomethane	6.328	93	106724	9.714	ug/L	100
55) 1,2-Dichloropropane	6.428	63	233943	10.290	ug/L	100
57) 2-Chloroethyl vinyl ether	7.120	63	106444	9.622	ug/L	100
58) Bromodichloromethane	6.505	83	266733	9.878	ug/L	100
61) 1,4-Dioxane	6.704	88	64874	501.554	ug/L	100
62) cis-1,3-Dichloropropene	7.188	75	319209	10.200	ug/L	100
65) Toluene	7.446	92	462328	10.129	ug/L	100
66) 4-Methyl-2-pentanone	7.876	58	54688	9.779	ug/L	100
67) Tetrachloroethene	7.889	166	193245	10.366	ug/L	100
69) trans-1,3-Dichloropropene	7.930	75	261920	9.976	ug/L	100
71) Ethyl methacrylate	8.120	69	196699	10.045	ug/L	100
72) 1,1,2-Trichloroethane	8.116	83	117758	9.722	ug/L	100
73) Chlorodibromomethane	8.324	129	175813	9.622	ug/L	100
74) 1,3-Dichloropropane	8.428	76	264311	9.759	ug/L	100
75) 1,2-Dibromoethane	8.586	107	143901	9.601	ug/L	100
77) 2-Hexanone	8.876	43	92382	10.210	ug/L	100
78) Chlorobenzene	9.238	112	520437	10.099	ug/L	100
79) Ethylbenzene	9.279	91	942914	10.326	ug/L	100
80) 1,1,1,2-Tetrachloroethane	9.319	131	171549	9.385	ug/L	100
81) p/m Xylene	9.464	106	708651	20.522	ug/L	100
82) o Xylene	10.012	106	705979	20.623	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A10.D
 Acq On : 8 Aug 2025 4:24 am
 Operator : ELAINE:PID
 Sample : I8260STD10PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 11 07:40:59 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Styrene	10.079	104	1162290	20.867	ug/L	100
85)	Bromoform	10.107	173	96217	9.724	ug/L	100
87)	Isopropylbenzene	10.410	105	980084	10.557	ug/L	100
89)	Bromobenzene	10.855	156	213872	10.297	ug/L	100
90)	n-Propylbenzene	10.908	91	1106035	10.560	ug/L	100
91)	1,4-Dichlorobutane	10.921	55	325798	10.329	ug/L	100
92)	1,1,2,2-Tetrachloroethane	11.004	83	158225	9.671	ug/L	100
93)	4-Ethyltoluene	11.040	105	916721	10.328	ug/L	100
94)	2-Chlorotoluene	11.075	91	659403M6	10.037	ug/L	
95)	1,3,5-Trimethylbenzene	11.141	105	803638	10.247	ug/L	100
96)	1,2,3-Trichloropropane	11.137	75	136238	10.055	ug/L	100
97)	trans-1,4-Dichloro-2-b...	11.194	53	63112	9.847	ug/L	100
98)	4-Chlorotoluene	11.264	91	701984	10.074	ug/L	100
99)	tert-Butylbenzene	11.489	119	698570	10.360	ug/L	100
102)	1,2,4-Trimethylbenzene	11.568	105	790220	10.338	ug/L	100
103)	sec-Butylbenzene	11.683	105	1009221	10.388	ug/L	100
104)	p-Isopropyltoluene	11.842	119	882785	10.515	ug/L	100
105)	1,3-Dichlorobenzene	11.903	146	435422	10.326	ug/L	100
106)	1,4-Dichlorobenzene	12.000	146	415118	10.057	ug/L	100
107)	p-Diethylbenzene	12.220	119	518969	10.178	ug/L	100
108)	n-Butylbenzene	12.278	91	730710	10.259	ug/L	100
109)	1,2-Dichlorobenzene	12.423	146	411974	10.278	ug/L	100
110)	1,2,4,5-Tetramethylben...	13.022	119	772226	10.101	ug/L	100
111)	1,2-Dibromo-3-chloropr...	13.212	155	26559	9.370	ug/L	100
112)	1,3,5-Trichlorobenzene	13.247	180	289605	9.965	ug/L	100
113)	Hexachlorobutadiene	13.824	225	91144	10.208	ug/L	100
114)	1,2,4-Trichlorobenzene	13.851	180	250487	9.900	ug/L	100
115)	Naphthalene	14.137	128	580783	9.867	ug/L	100
116)	1,2,3-Trichlorobenzene	14.309	180	226966	10.030	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

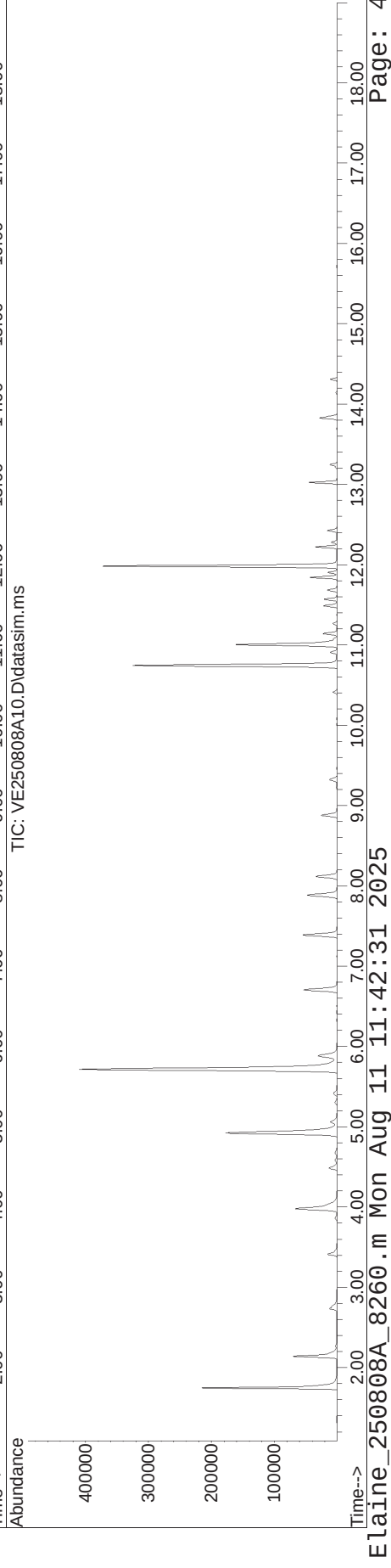
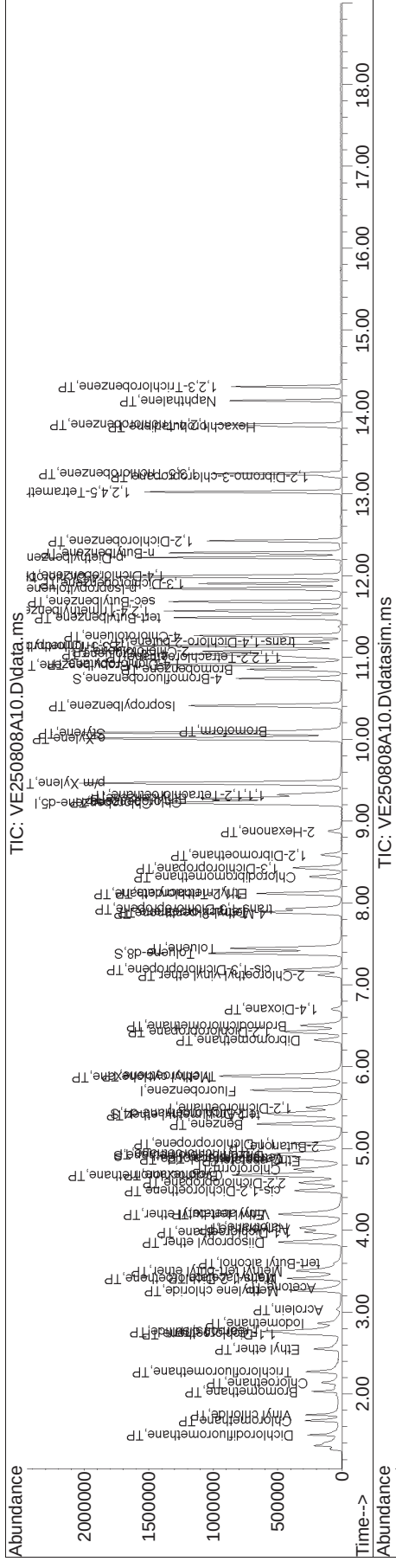
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Data Path      : K:\Elaine\2025\250808AICAL\
Data File     : VE250808A10.D
Acq On        : 8 Aug 2025 4:24 am
Operator       : ELAINE:PID
Sample        : I8260STD10PPB
Misc          : WG2101503,ICAL (Sig #1); WG
ALS Vial      : 10 Sample Multiplier: 1

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Quant Time: Aug 11 07:40:59 2025
Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 07:40:10 2025
Response via : Initial Calibration

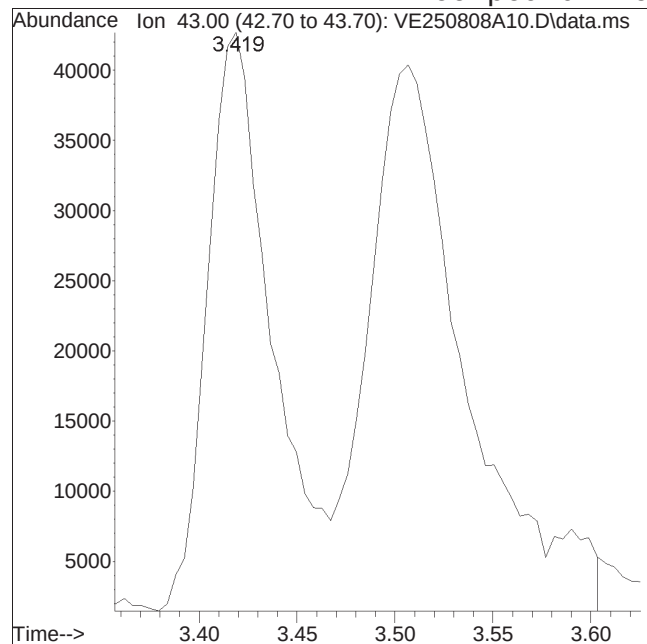
SOALL\$TE(S) : 8260KCNVaineM292mY25p808AMCak\VE250808A10.D•



Manual Integration Report

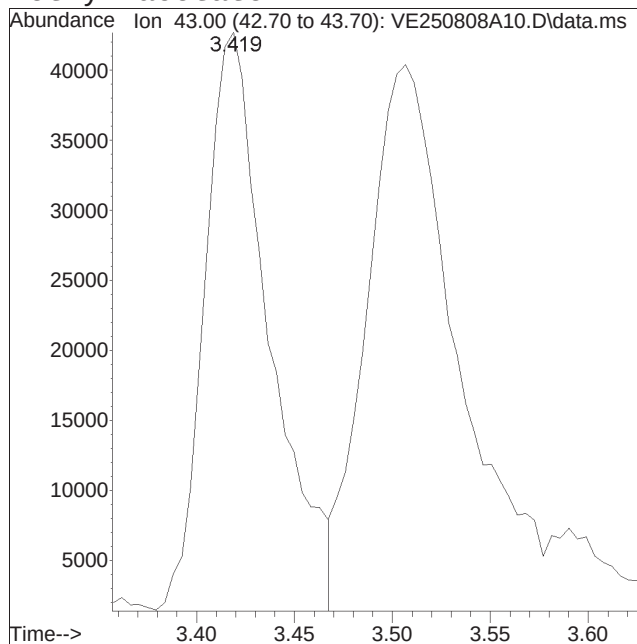
Data Path : K:\Elaine\2025\250808AICALQMethod : Elaine_250808A_8260.m
Data File : VE250808A10.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 4:24 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 8/11/2025 7:40 am

Compound #19: Methyl acetate



Original Peak Response = 227537

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

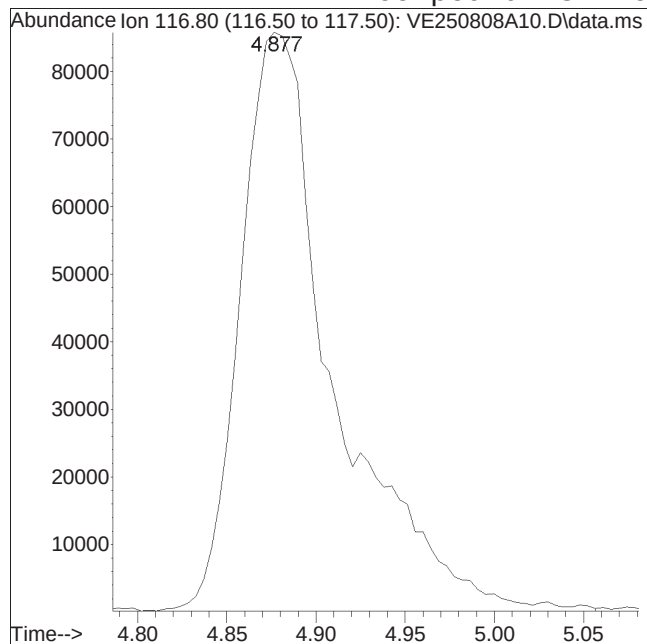


Manual Peak Response = 94851 M6

Manual Integration Report

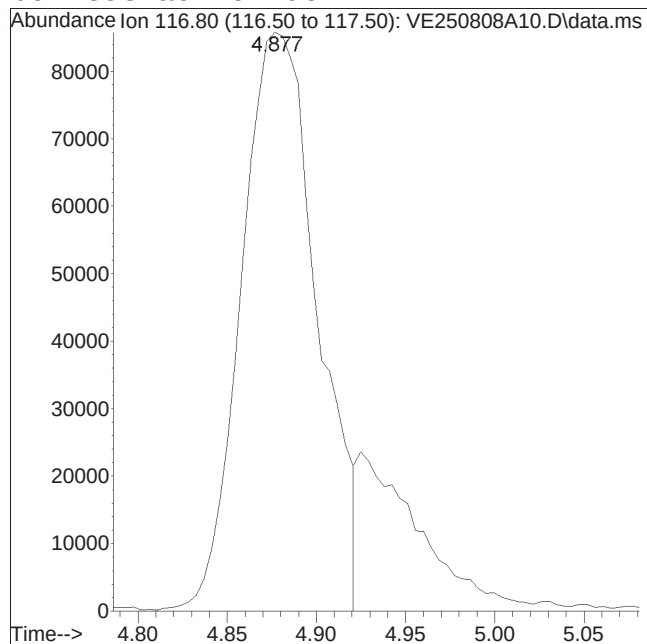
Data Path : K:\Elaine\2025\250808AICALQ Method : Elaine_250808A_8260.m
Data File : VE250808A10.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 4:24 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 8/11/2025 7:40 am

Compound #37: Carbon tetrachloride



Original Peak Response = 311357

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

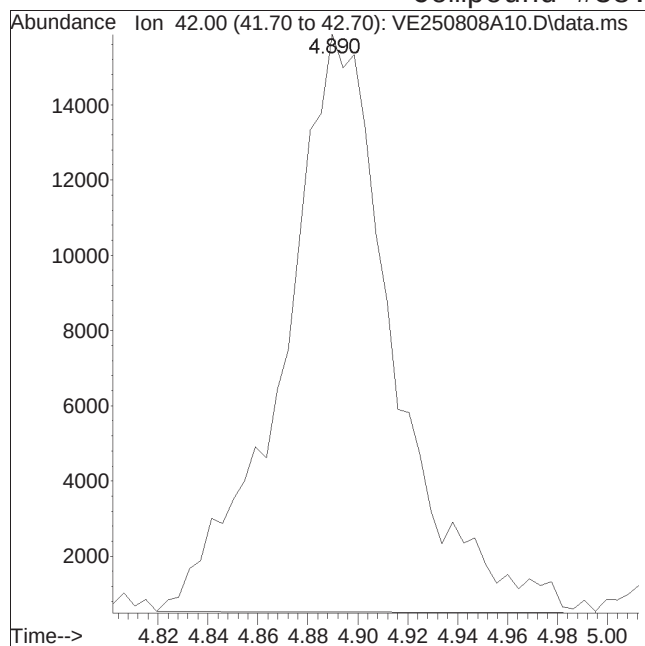


Manual Peak Response = 255448 M6

Manual Integration Report

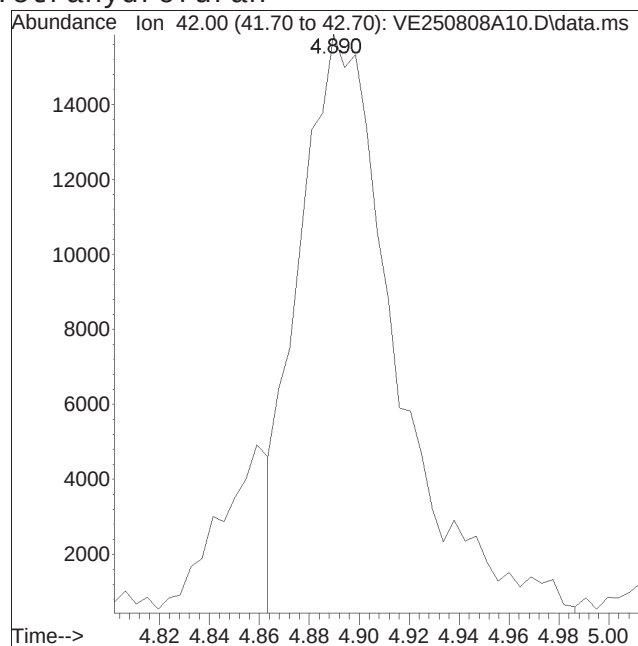
Data Path : K:\Elaine\2025\250808AICAL\ : Elaine_250808A_8260.m
Data File : VE250808A10.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 4:24 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 8/11/2025 7:40 am

Compound #38: Tetrahydrofuran



Original Peak Response = 47405

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

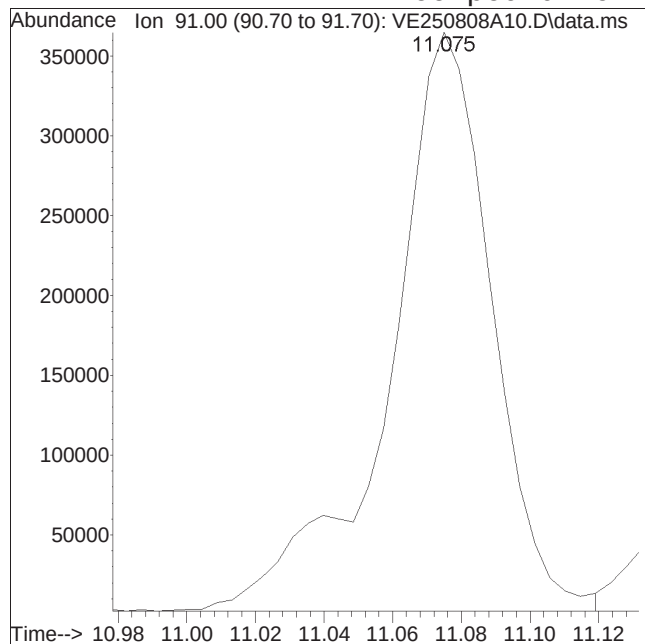


Manual Peak Response = 41825 M6

Manual Integration Report

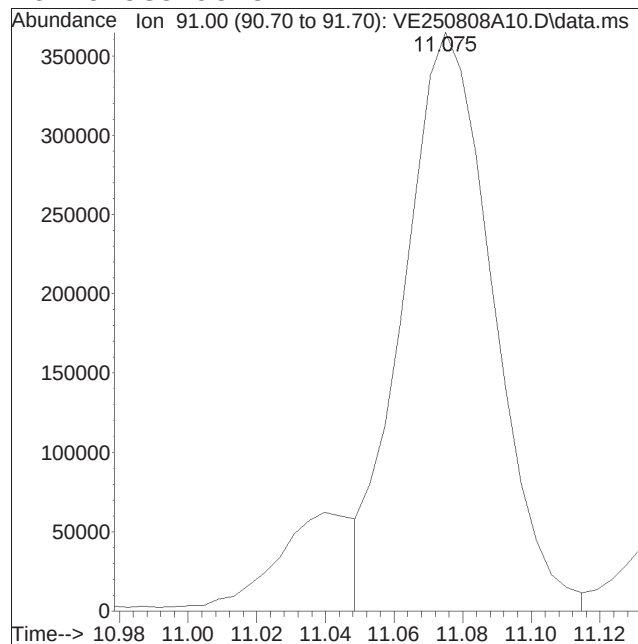
Data Path : K:\Elaine\2025\250808AICALQ Method : Elaine_250808A_8260.m
Data File : VE250808A10.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 4:24 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 8/11/2025 7:40 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 747309

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 659403 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A11.D
 Acq On : 8 Aug 2025 4:48 am
 Operator : ELAINE:PID
 Sample : I8260STD30PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 11 07:41:06 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.712	96	891812	10.000	ug/L	0.00
Standard Area 1 = 863943			Recovery	=	103.23%	
63) Chlorobenzene-d5	9.219	117	665926	10.000	ug/L	0.00
Standard Area 1 = 672769			Recovery	=	98.98%	
84) 1,4-Dichlorobenzene-d4	11.982	152	336969	10.000	ug/L	0.00
Standard Area 1 = 334598			Recovery	=	100.71%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.920	113	235222	10.058	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.58%	
47) 1,2-Dichloroethane-d4	5.436	65	333160	10.912	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	109.12%	
64) Toluene-d8	7.387	98	875319	9.889	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.89%	
88) 4-Bromofluorobenzene	10.744	95	331155	9.994	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.94%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.500	85	628289	31.934	ug/L	99
3) Chloromethane	1.676	50	853449	30.588	ug/L	100
4) Vinyl chloride	1.746	62	732371	30.253	ug/L	98
5) Bromomethane	2.031	94	301357	28.522	ug/L	98
6) Chloroethane	2.137	64	405282	30.731	ug/L	97
7) Trichlorofluoromethane	2.273	101	826798	31.033	ug/L	99
8) Ethyl ether	2.549	74	302923	30.178	ug/L	98
10) 1,1-Dichloroethene	2.734	96	480933	29.944	ug/L	99
11) Carbon disulfide	2.765	76	1460132	30.960	ug/L	99
12) Freon-113	2.773	101	500229	31.169	ug/L	99
13) Iodomethane	2.866	142	591076	31.388	ug/L	99
14) Acrolein	3.037	56	88228	25.429	ug/L	96
15) Methylene chloride	3.265	84	602148	27.189	ug/L	99
17) Acetone	3.300	43	129936	18.056	ug/L	96
18) trans-1,2-Dichloroethene	3.410	96	575305	29.887	ug/L	98
19) Methyl acetate	3.414	43	271624M3	23.296	ug/L	
21) Methyl tert-butyl ether	3.507	73	1551488	30.115	ug/L #	87
22) tert-Butyl alcohol	3.599	59	199119	146.442	ug/L #	100
24) Diisopropyl ether	3.858	45	2179550	30.198	ug/L	100
25) 1,1-Dichloroethane	3.976	63	1241547	30.128	ug/L	99
26) Halothane	4.033	117	435673	29.707	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A11.D
 Acq On : 8 Aug 2025 4:48 am
 Operator : ELAINE:PID
 Sample : I8260STD30PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 11 07:41:06 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.020	53	178871	29.856	ug/L	96
28) Ethyl tert-butyl ether	4.196	59	2089519	30.123	ug/L	99
29) Vinyl acetate	4.205	43	572330	27.559	ug/L	99
30) cis-1,2-Dichloroethene	4.486	96	662179	30.333	ug/L	98
31) 2,2-Dichloropropane	4.582	77	958679	30.313	ug/L #	49
33) Bromochloromethane	4.670	128	287040	29.923	ug/L	97
34) Cyclohexane	4.679	56	1464985	31.258	ug/L	99
35) Chloroform	4.745	83	1067687	29.501	ug/L	98
36) Ethyl acetate	4.855	43	434441	30.177	ug/L	97
37) Carbon tetrachloride	4.872	117	858723M6	30.435	ug/L	
38) Tetrahydrofuran	4.885	42	126981M6	28.554	ug/L	
40) 1,1,1-Trichloroethane	4.942	97	951452	31.358	ug/L	99
42) 2-Butanone	5.026	43	174193	28.687	ug/L	100
43) 1,1-Dichloropropene	5.061	75	795082	32.129	ug/L	99
45) Benzene	5.298	78	2440800	30.551	ug/L	99
46) tert-Amyl methyl ether	5.409	73	1478810	29.696	ug/L	99
48) 1,2-Dichloroethane	5.500	62	905427	29.866	ug/L	99
51) Methyl cyclohexane	5.880	83	1092953	31.524	ug/L	100
52) Trichloroethene	5.893	95	620015	30.801	ug/L	98
54) Dibromomethane	6.323	93	329599	29.064	ug/L	99
55) 1,2-Dichloropropane	6.427	63	732403	31.209	ug/L	100
57) 2-Chloroethyl vinyl ether	7.120	63	351362	30.769	ug/L	96
58) Bromodichloromethane	6.504	83	851547	30.551	ug/L	98
61) 1,4-Dioxane	6.703	88	78395	587.147	ug/L	96
62) cis-1,3-Dichloropropene	7.188	75	1020864	31.601	ug/L	99
65) Toluene	7.446	92	1412168	31.255	ug/L	99
66) 4-Methyl-2-pentanone	7.875	58	166043	29.997	ug/L	99
67) Tetrachloroethene	7.889	166	594430	32.214	ug/L	99
69) trans-1,3-Dichloropropene	7.930	75	826483	31.801	ug/L	99
71) Ethyl methacrylate	8.120	69	583471	30.101	ug/L	97
72) 1,1,2-Trichloroethane	8.115	83	367553	30.658	ug/L	99
73) Chlorodibromomethane	8.323	129	573603	31.714	ug/L	99
74) 1,3-Dichloropropane	8.428	76	836989	31.221	ug/L	100
75) 1,2-Dibromoethane	8.590	107	464480	31.310	ug/L	99
77) 2-Hexanone	8.876	43	276725	30.898	ug/L	98
78) Chlorobenzene	9.238	112	1598747	31.343	ug/L	99
79) Ethylbenzene	9.278	91	2860821	31.650	ug/L	100
80) 1,1,1,2-Tetrachloroethane	9.324	131	559226	30.908	ug/L	98
81) p/m Xylene	9.464	106	2159400	63.178	ug/L	100
82) o Xylene	10.011	106	2154777	63.591	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A11.D
 Acq On : 8 Aug 2025 4:48 am
 Operator : ELAINE:PID
 Sample : I8260STD30PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 11 07:41:06 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Styrene	10.079	104	3548059	64.355	ug/L	100
85)	Bromoform	10.106	173	305086	30.617	ug/L	97
87)	Isopropylbenzene	10.410	105	3026223	32.369	ug/L	100
89)	Bromobenzene	10.854	156	658121	31.463	ug/L	98
90)	n-Propylbenzene	10.907	91	3479577	32.989	ug/L	100
91)	1,4-Dichlorobutane	10.925	55	963558	30.333	ug/L	100
92)	1,1,2,2-Tetrachloroethane	11.004	83	469472	28.494	ug/L	99
93)	4-Ethyltoluene	11.040	105	2826304	31.617	ug/L	100
94)	2-Chlorotoluene	11.075	91	2086008M6	31.529	ug/L	
95)	1,3,5-Trimethylbenzene	11.141	105	2534281	32.087	ug/L	98
96)	1,2,3-Trichloropropane	11.136	75	414715	30.392	ug/L	100
97)	trans-1,4-Dichloro-2-b...	11.194	53	191094	29.605	ug/L	97
98)	4-Chlorotoluene	11.264	91	2196633	31.301	ug/L	99
99)	tert-Butylbenzene	11.484	119	2175367	32.034	ug/L	99
102)	1,2,4-Trimethylbenzene	11.568	105	2466053	32.036	ug/L	100
103)	sec-Butylbenzene	11.683	105	3202418	32.730	ug/L	100
104)	p-Isopropyltoluene	11.841	119	2758078	32.620	ug/L	99
105)	1,3-Dichlorobenzene	11.903	146	1327351	31.256	ug/L	100
106)	1,4-Dichlorobenzene	11.996	146	1283541	30.878	ug/L	99
107)	p-Diethylbenzene	12.220	119	1660736	32.340	ug/L	99
108)	n-Butylbenzene	12.277	91	2342611	32.659	ug/L	100
109)	1,2-Dichlorobenzene	12.427	146	1259855	31.211	ug/L	99
110)	1,2,4,5-Tetramethylben...	13.022	119	2463118	31.992	ug/L	100
111)	1,2-Dibromo-3-chloropr...	13.211	155	83777	29.348	ug/L	100
112)	1,3,5-Trichlorobenzene	13.247	180	910601	31.111	ug/L	100
113)	Hexachlorobutadiene	13.828	225	285315	31.730	ug/L	99
114)	1,2,4-Trichlorobenzene	13.846	180	784686	30.795	ug/L	99
115)	Naphthalene	14.141	128	1808342	30.505	ug/L	100
116)	1,2,3-Trichlorobenzene	14.308	180	712687	31.275	ug/L	99

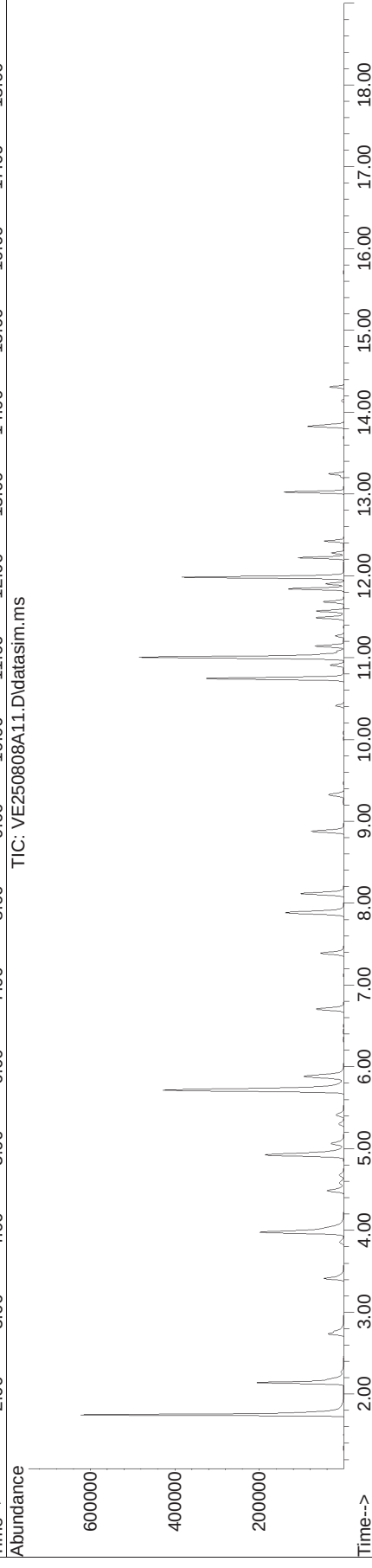
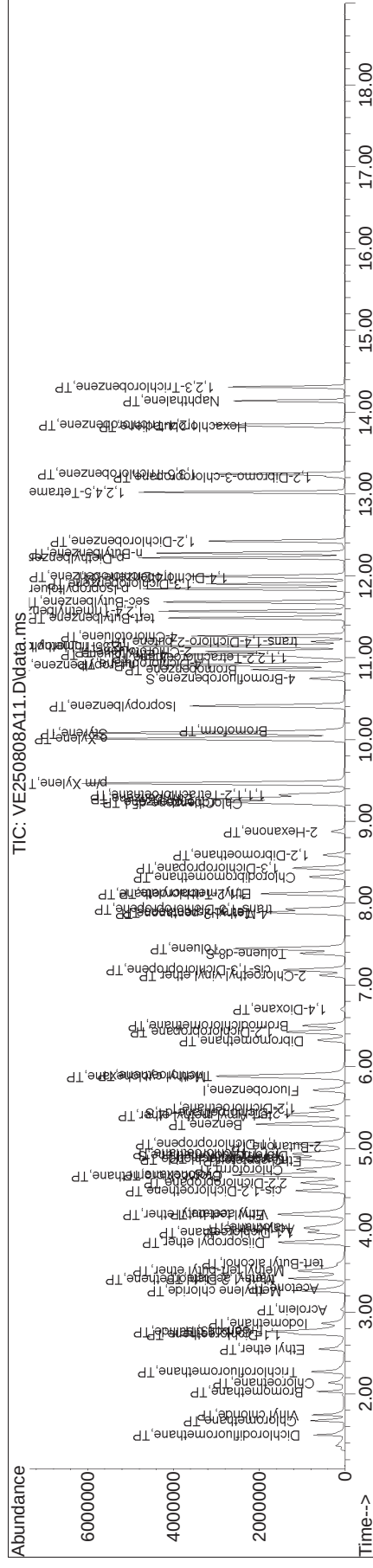
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A11.D
Acq On : 8 Aug 2025 4:48 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 11 07:41:06 2025
Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 07:40:10 2025
Response via : Initial Calibration

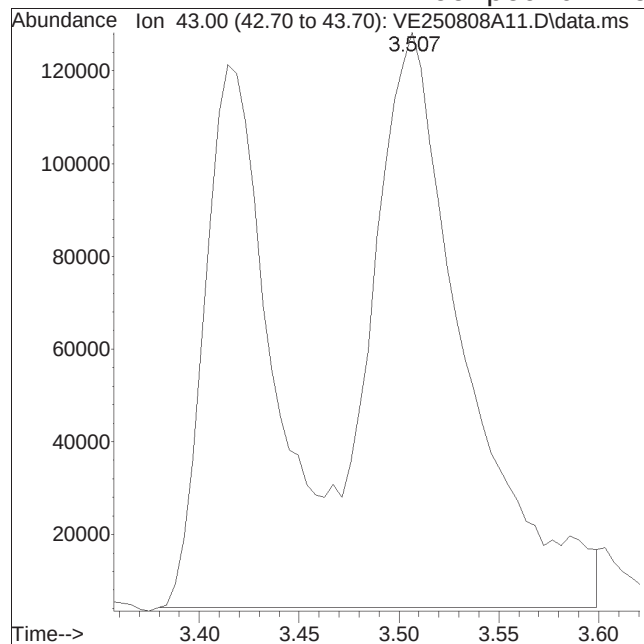
SOALL\$E(S) : 8260KC\EV\aineM2025\250808A\CAK\VE250808A10.D.



Manual Integration Report

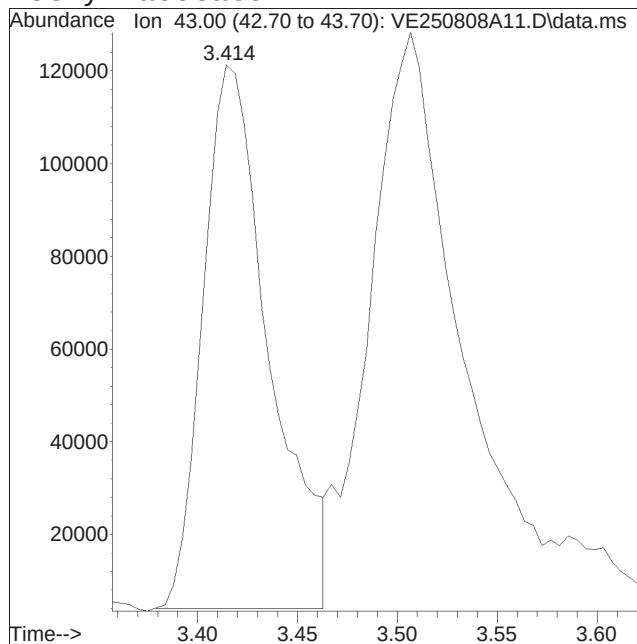
Data Path : K:\Elaine\2025\250808AICALQMethod : Elaine_250808A_8260.m
Data File : VE250808A11.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 4:48 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 8/11/2025 7:41 am

Compound #19: Methyl acetate



Original Peak Response = 674737

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

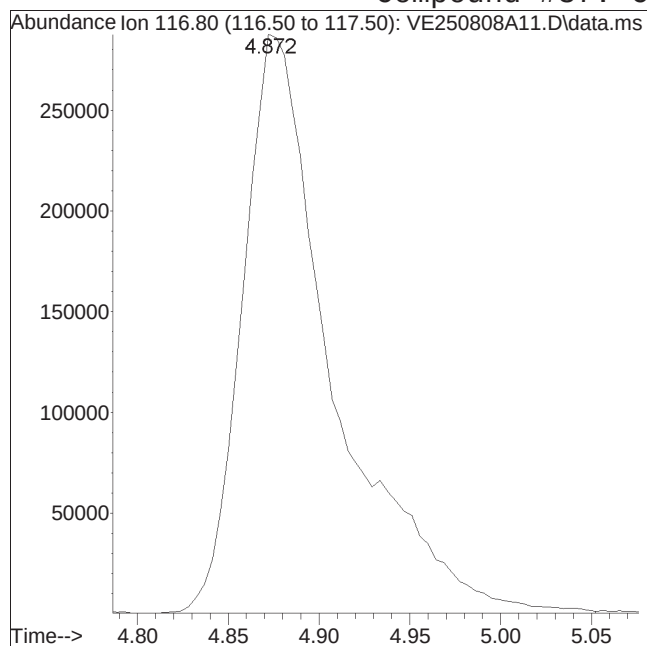


Manual Peak Response = 271624 M3

Manual Integration Report

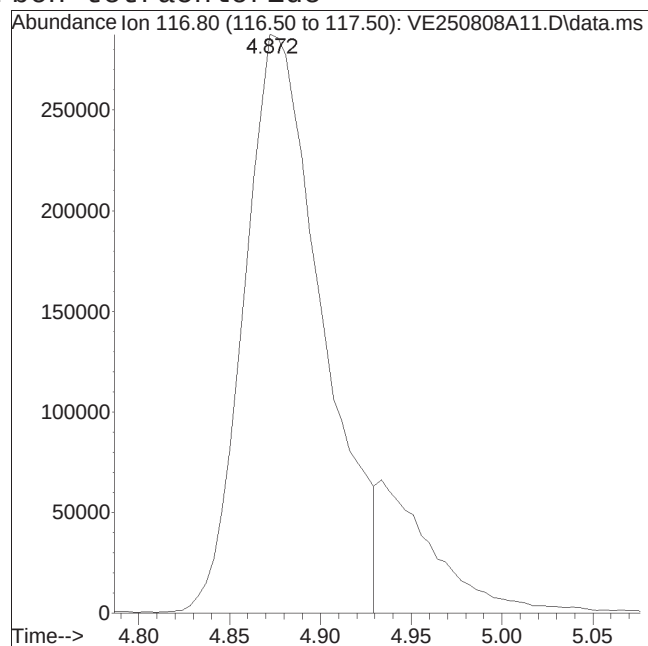
Data Path : K:\Elaine\2025\250808AICALQ Method : Elaine_250808A_8260.m
Data File : VE250808A11.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 4:48 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 8/11/2025 7:41 am

Compound #37: Carbon tetrachloride



Original Peak Response = 994649

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

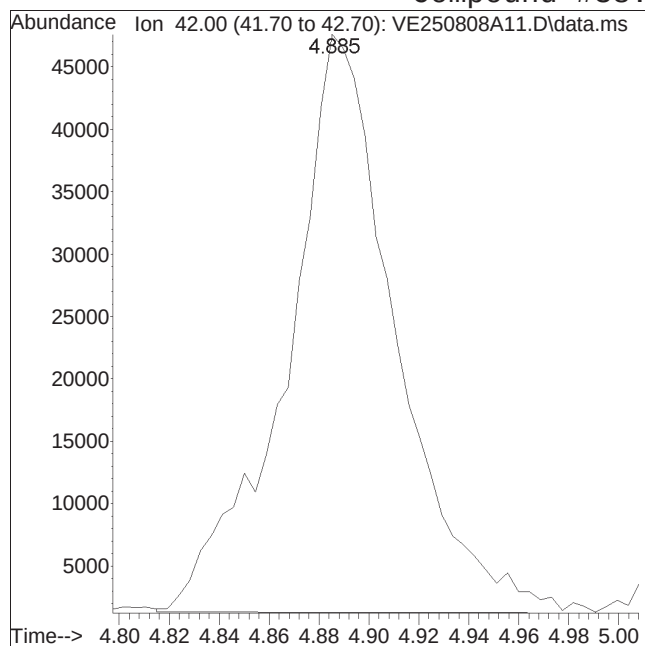


Manual Peak Response = 858723 M6

Manual Integration Report

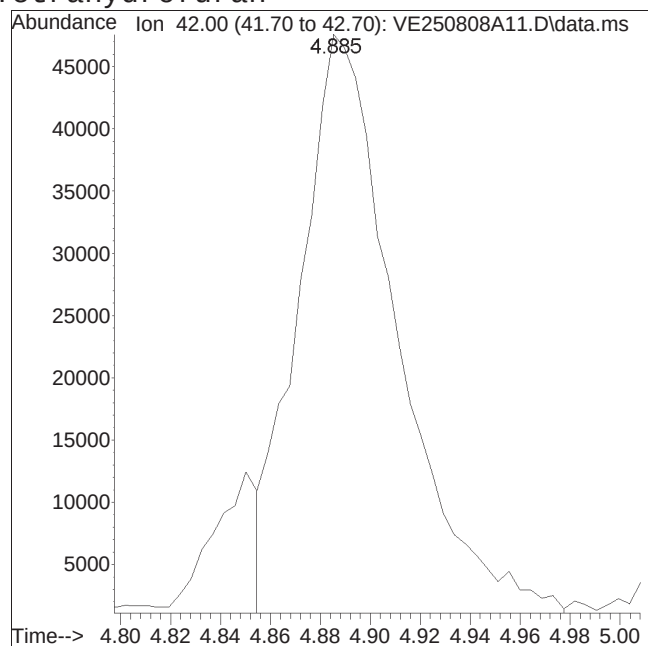
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Data File : VE250808A11.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 4:48 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 8/11/2025 7:41 am

Compound #38: Tetrahydrofuran



Original Peak Response = 139861

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

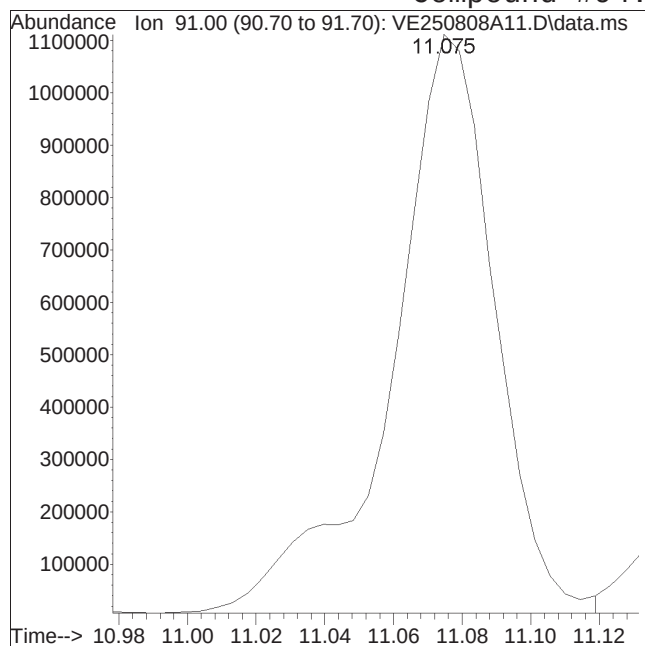


Manual Peak Response = 126981 M6

Manual Integration Report

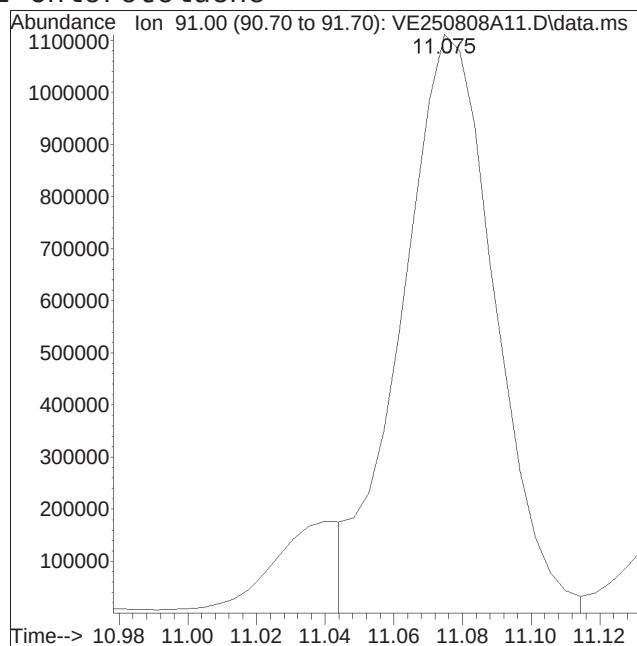
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Data File : VE250808A11.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 4:48 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 8/11/2025 7:41 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 2299998

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 2086008 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A12.D
 Acq On : 8 Aug 2025 5:12 am
 Operator : ELAINE:PID
 Sample : I8260STD80PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 07:41:14 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	929816	10.000	ug/L	0.00
Standard Area 1 = 863943			Recovery	=	107.62%	
63) Chlorobenzene-d5	9.215	117	680933	10.000	ug/L	0.00
Standard Area 1 = 672769			Recovery	=	101.21%	
84) 1,4-Dichlorobenzene-d4	11.983	152	343880	10.000	ug/L	0.00
Standard Area 1 = 334598			Recovery	=	102.77%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.921	113	224771	9.218	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	92.18%	
47) 1,2-Dichloroethane-d4	5.437	65	290476M6	9.125	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	91.25%	
64) Toluene-d8	7.387	98	911157	10.067	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.67%	
88) 4-Bromofluorobenzene	10.745	95	340354	10.065	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.65%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.500	85	1667162	81.273	ug/L	99
3) Chloromethane	1.676	50	2209397	75.950	ug/L	100
4) Vinyl chloride	1.746	62	1893745	75.030	ug/L	100
5) Bromomethane	2.031	94	824104	74.809	ug/L	98
6) Chloroethane	2.132	64	1062576	77.277	ug/L	99
7) Trichlorofluoromethane	2.273	101	2215596	79.761	ug/L	99
8) Ethyl ether	2.550	74	831706	79.470	ug/L	97
10) 1,1-Dichloroethene	2.734	96	1286709	76.840	ug/L	99
11) Carbon disulfide	2.765	76	3883021	78.969	ug/L	99
12) Freon-113	2.773	101	1329534	79.455	ug/L	98
13) Iodomethane	2.866	142	1725583	87.889	ug/L	99
14) Acrolein	3.037	56	248921	68.811	ug/L	95
15) Methylene chloride	3.265	84	1606140	69.559	ug/L	97
17) Acetone	3.300	43	340328	45.360	ug/L	99
18) trans-1,2-Dichloroethene	3.415	96	1532553	76.362	ug/L	99
19) Methyl acetate	3.419	43	783963M6	64.488	ug/L	
21) Methyl tert-butyl ether	3.507	73	4313259	80.299	ug/L #	82
22) tert-Butyl alcohol	3.599	59	559204	394.456	ug/L #	100
24) Diisopropyl ether	3.858	45	6081288	80.813	ug/L	99
25) 1,1-Dichloroethane	3.977	63	3252604	75.704	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A12.D
 Acq On : 8 Aug 2025 5:12 am
 Operator : ELAINE:PID
 Sample : I8260STD80PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 07:41:14 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Halothane	4.034	117	1192472	77.987	ug/L	99
27)	Acrylonitrile	4.020	53	470447	75.316	ug/L	97
28)	Ethyl tert-butyl ether	4.196	59	5949812	82.268	ug/L	98
29)	Vinyl acetate	4.205	43	1820483	84.078	ug/L	100
30)	cis-1,2-Dichloroethene	4.486	96	1743549	76.605	ug/L	98
31)	2,2-Dichloropropane	4.582	77	2546042	77.215	ug/L	97
33)	Bromochloromethane	4.670	128	740030	73.992	ug/L	97
34)	Cyclohexane	4.679	56	3868580	79.168	ug/L	98
35)	Chloroform	4.749	83	2853880	75.632	ug/L	98
36)	Ethyl acetate	4.850	43	1214316	80.900	ug/L	98
37)	Carbon tetrachloride	4.877	117	2347824M6	79.810	ug/L	
38)	Tetrahydrofuran	4.890	42	355828M6	76.744	ug/L	
40)	1,1,1-Trichloroethane	4.938	97	2554889	80.762	ug/L	99
42)	2-Butanone	5.026	43	509654	80.503	ug/L	95
43)	1,1-Dichloropropene	5.061	75	2155687	83.549	ug/L	99
45)	Benzene	5.303	78	6675758	80.144	ug/L	98
46)	tert-Amyl methyl ether	5.410	73	4194156	80.781	ug/L	98
48)	1,2-Dichloroethane	5.505	62	2436361	77.080	ug/L	99
51)	Methyl cyclohexane	5.876	83	3032390	83.887	ug/L	98
52)	Trichloroethene	5.894	95	1633163	77.816	ug/L	98
54)	Dibromomethane	6.324	93	898694	76.007	ug/L	99
55)	1,2-Dichloropropane	6.428	63	1965614	80.335	ug/L	100
57)	2-Chloroethyl vinyl ether	7.120	63	964240	80.987	ug/L	98
58)	Bromodichloromethane	6.505	83	2305239	79.325	ug/L	99
61)	1,4-Dioxane	6.708	88	106427	764.517	ug/L	98
62)	cis-1,3-Dichloropropene	7.183	75	2788781	82.798	ug/L	99
65)	Toluene	7.446	92	3826837	82.832	ug/L	99
66)	4-Methyl-2-pentanone	7.876	58	459507	81.184	ug/L	96
67)	Tetrachloroethene	7.889	166	1575330	83.491	ug/L	99
69)	trans-1,3-Dichloropropene	7.930	75	2290174	86.178	ug/L	98
71)	Ethyl methacrylate	8.120	69	1557053	78.559	ug/L	96
72)	1,1,2-Trichloroethane	8.111	83	1004864	81.969	ug/L	100
73)	Chlorodibromomethane	8.324	129	1627305	87.990	ug/L	99
74)	1,3-Dichloropropane	8.428	76	2287140	83.434	ug/L	100
75)	1,2-Dibromoethane	8.591	107	1279875	84.373	ug/L	99
77)	2-Hexanone	8.876	43	723548	79.007	ug/L	98
78)	Chlorobenzene	9.238	112	4287624	82.205	ug/L	98
79)	Ethylbenzene	9.279	91	7601709	82.247	ug/L	100
80)	1,1,1,2-Tetrachloroethane	9.328	131	1551305	83.849	ug/L	98
81)	p/m Xylene	9.464	106	5793158	165.756	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A12.D
 Acq On : 8 Aug 2025 5:12 am
 Operator : ELAINE:PID
 Sample : I8260STD80PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 07:41:14 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	10.012	106	5677831	163.869	ug/L	100
83) Styrene	10.084	104	9472842	168.033	ug/L	99
85) Bromoform	10.107	173	861438	84.713	ug/L	100
87) Isopropylbenzene	10.410	105	8065649	84.537	ug/L	99
89) Bromobenzene	10.855	156	1755918	82.259	ug/L	98
90) n-Propylbenzene	10.908	91	9326209	86.644	ug/L	99
91) 1,4-Dichlorobutane	10.925	55	2527951	77.981	ug/L	99
92) 1,1,2,2-Tetrachloroethane	11.005	83	1301033	77.378	ug/L	100
93) 4-Ethyltoluene	11.040	105	7726548	84.698	ug/L	100
94) 2-Chlorotoluene	11.079	91	5611177M6	83.105	ug/L	
95) 1,3,5-Trimethylbenzene	11.141	105	6795118	84.306	ug/L	99
96) 1,2,3-Trichloropropane	11.141	75	1120419	80.460	ug/L	100
97) trans-1,4-Dichloro-2-b...	11.198	53	548944	83.336	ug/L	98
98) 4-Chlorotoluene	11.264	91	5931396	82.821	ug/L	99
99) tert-Butylbenzene	11.489	119	5841925	84.297	ug/L	99
102) 1,2,4-Trimethylbenzene	11.568	105	6662140	84.808	ug/L	100
103) sec-Butylbenzene	11.683	105	8645649	86.586	ug/L	99
104) p-Isopropyltoluene	11.842	119	7357321	85.267	ug/L	100
105) 1,3-Dichlorobenzene	11.903	146	3581921	82.649	ug/L	99
106) 1,4-Dichlorobenzene	12.000	146	3486538	82.189	ug/L	99
107) p-Diethylbenzene	12.220	119	4445461	84.827	ug/L	100
108) n-Butylbenzene	12.282	91	6264733	85.583	ug/L	100
109) 1,2-Dichlorobenzene	12.428	146	3333416	80.922	ug/L	99
110) 1,2,4,5-Tetramethylben...	13.022	119	6845917	87.132	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.216	155	233538	80.166	ug/L	98
112) 1,3,5-Trichlorobenzene	13.247	180	2532343	84.781	ug/L	99
113) Hexachlorobutadiene	13.829	225	783047	85.334	ug/L	98
114) 1,2,4-Trichlorobenzene	13.846	180	2162393	83.157	ug/L	98
115) Naphthalene	14.137	128	5082887	84.021	ug/L	100
116) 1,2,3-Trichlorobenzene	14.309	180	1932624	83.105	ug/L	99

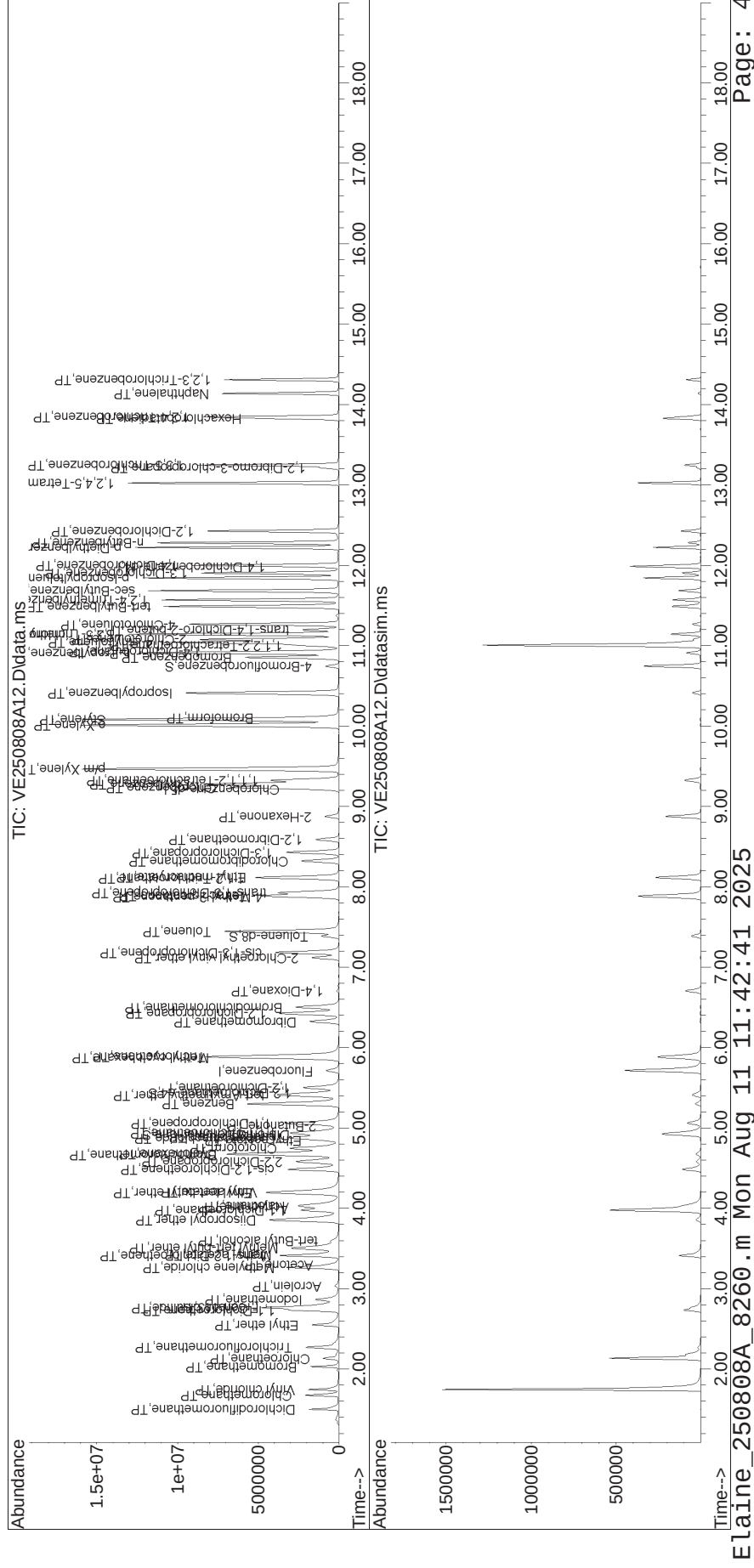
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A12.D
Acq On : 8 Aug 2025 5:12 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 07:41:14 2025
Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 07:40:10 2025
Response via : Initial Calibration

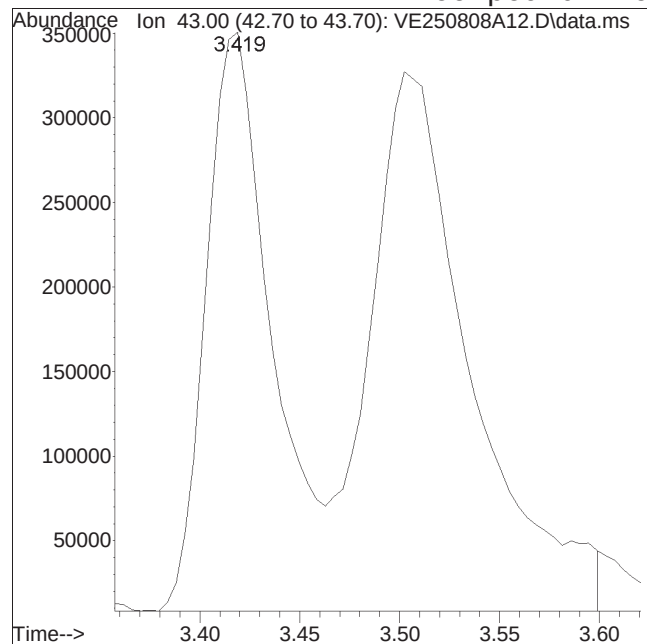
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Manual Integration Report

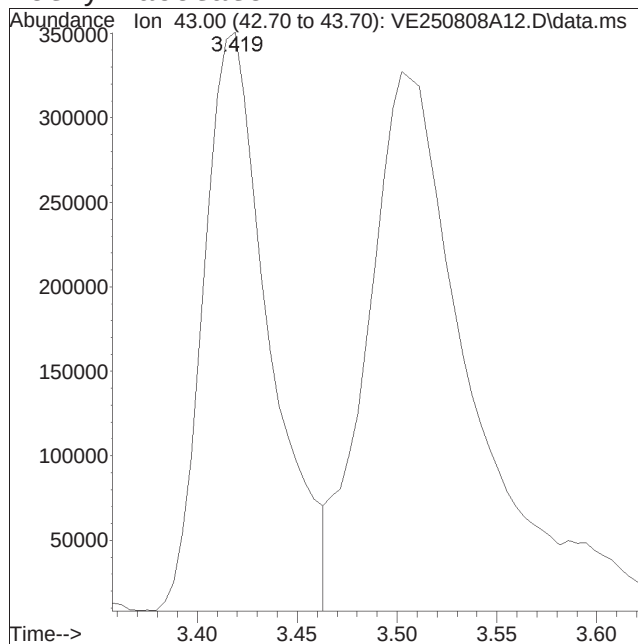
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Data File : VE250808A12.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 5:12 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 8/11/2025 7:41 am

Compound #19: Methyl acetate



Original Peak Response = 1893733

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

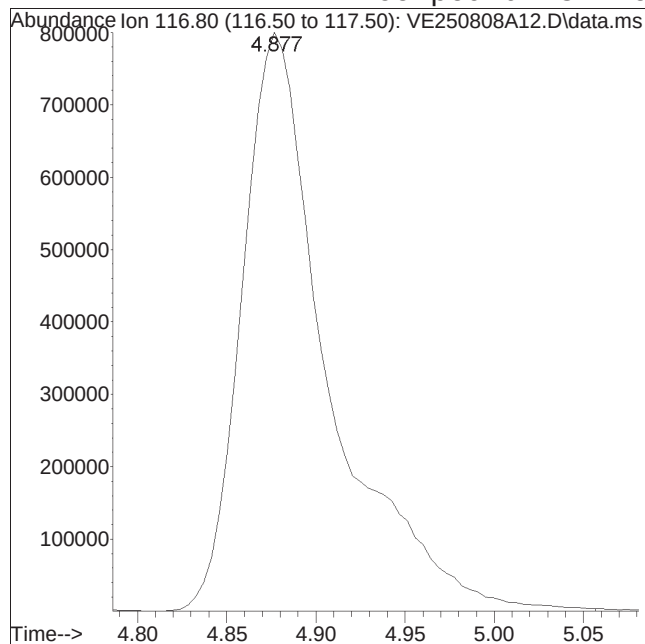


Manual Peak Response = 783963 M6

Manual Integration Report

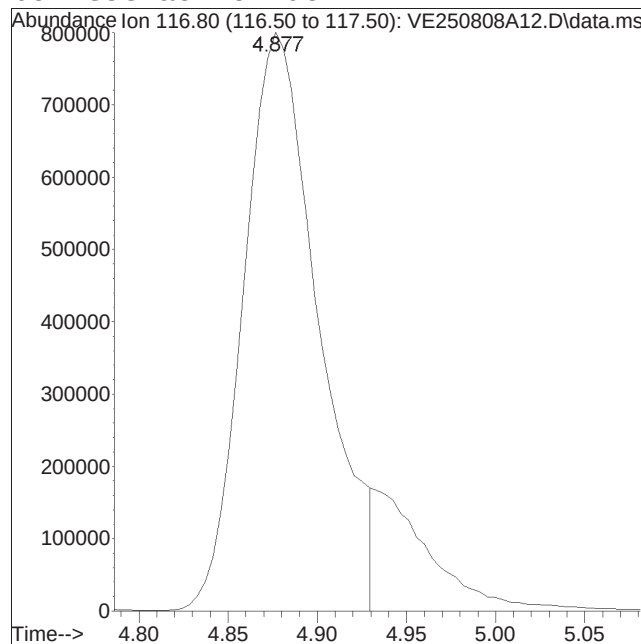
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Data File : VE250808A12.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 5:12 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 8/11/2025 7:41 am

Compound #37: Carbon tetrachloride



Original Peak Response = 2709610

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

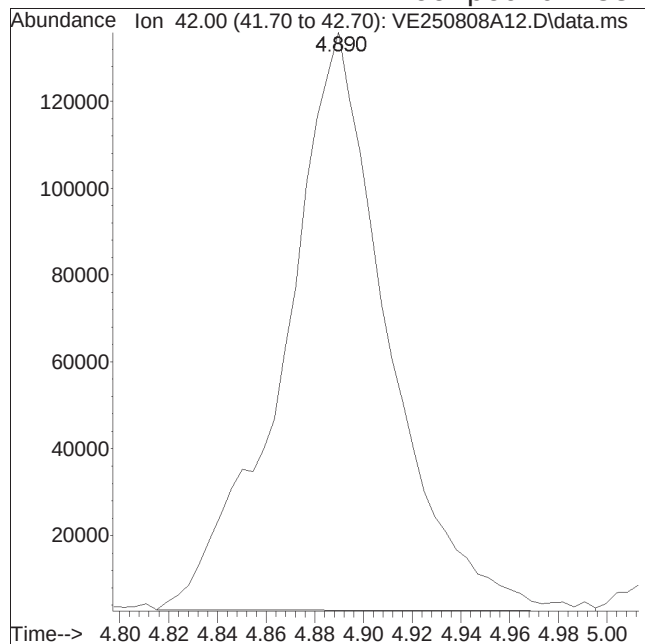


Manual Peak Response = 2347824 M6

Manual Integration Report

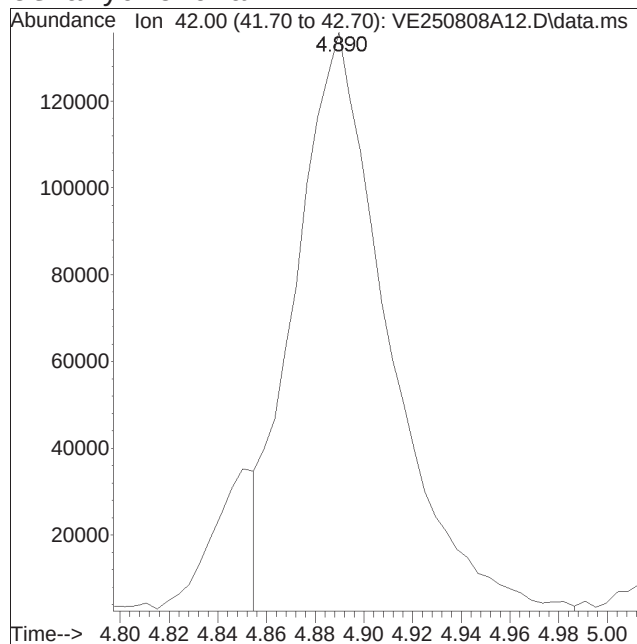
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Data File : VE250808A12.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 5:12 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 8/11/2025 7:41 am

Compound #38: Tetrahydrofuran



Original Peak Response = 394486

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

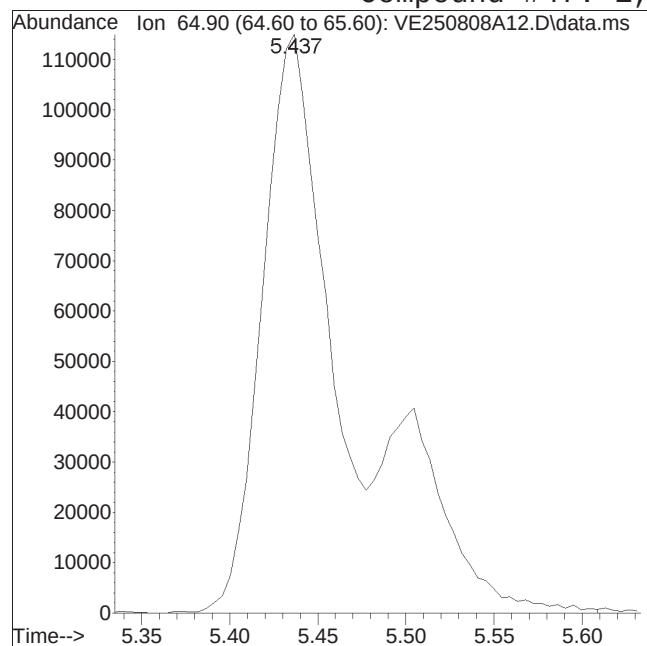


Manual Peak Response = 355828 M6

Manual Integration Report

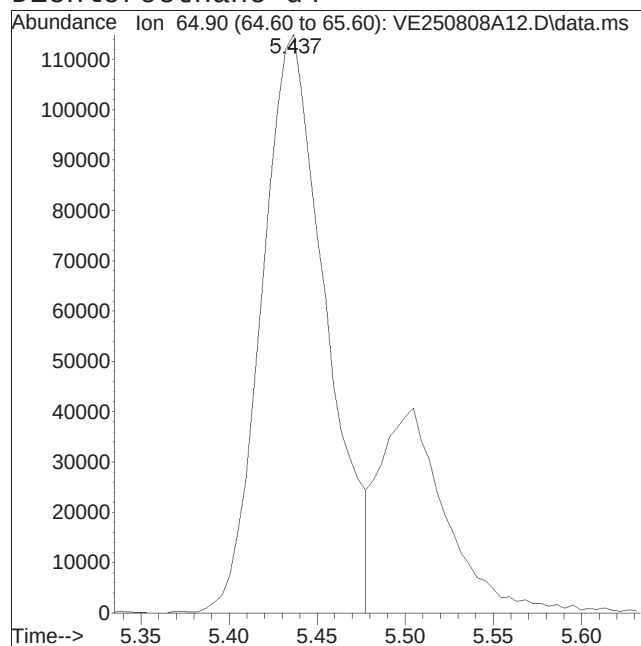
Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A12.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 5:12 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 8/11/2025 7:41 am

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 397575

M6 = Misassignment of peak valley by



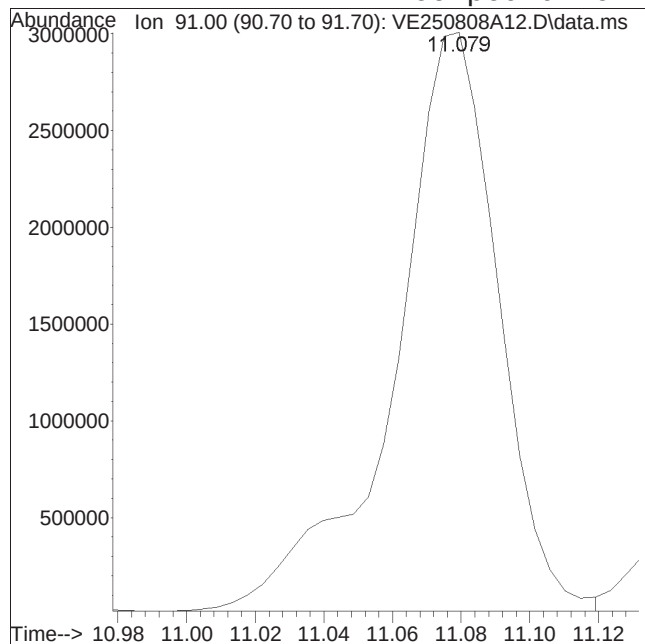
Manual Peak Response = 290476 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

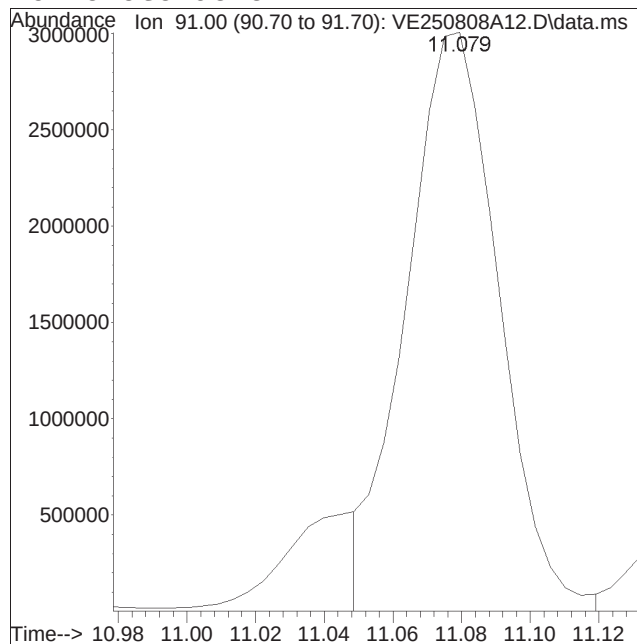
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Data File : VE250808A12.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 5:12 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 8/11/2025 7:41 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 6264031

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 5611177 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A13.D
 Acq On : 8 Aug 2025 5:36 am
 Operator : ELAINE:PID
 Sample : I8260STD120PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 11 07:41:21 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	951949	10.000	ug/L	0.00
Standard Area 1 = 863943			Recovery	=	110.19%	
63) Chlorobenzene-d5	9.215	117	685844	10.000	ug/L	0.00
Standard Area 1 = 672769			Recovery	=	101.94%	
84) 1,4-Dichlorobenzene-d4	11.983	152	351002	10.000	ug/L	0.00
Standard Area 1 = 334598			Recovery	=	104.90%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.921	113	231090	9.257	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	92.57%	
47) 1,2-Dichloroethane-d4	5.437	65	289066M6	8.870	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	88.70%	
64) Toluene-d8	7.387	98	923301	10.128	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.28%	
88) 4-Bromofluorobenzene	10.745	95	347025	10.054	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.54%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.500	85	2487421	118.440	ug/L	99
3) Chloromethane	1.676	50	3228336	108.397	ug/L	100
4) Vinyl chloride	1.746	62	2838828	109.860	ug/L	100
5) Bromomethane	2.032	94	1279127	113.414	ug/L	97
6) Chloroethane	2.133	64	1586718	112.713	ug/L	98
7) Trichlorofluoromethane	2.269	101	3314828	116.559	ug/L	99
8) Ethyl ether	2.550	74	1268511	118.389	ug/L	97
10) 1,1-Dichloroethene	2.734	96	1915631	111.738	ug/L	99
11) Carbon disulfide	2.765	76	5772324	114.663	ug/L	98
12) Freon-113	2.774	101	1980713	115.619	ug/L	98
13) Iodomethane	2.866	142	2661185	132.390	ug/L	100
14) Acrolein	3.037	56	377122	101.826	ug/L	97
15) Methylene chloride	3.265	84	2407887	101.856	ug/L	98
17) Acetone	3.301	43	523570	68.161	ug/L	99
18) trans-1,2-Dichloroethene	3.410	96	2269477	110.452	ug/L	99
19) Methyl acetate	3.415	43	1205280M6	96.839	ug/L	
21) Methyl tert-butyl ether	3.507	73	6544382	119.003	ug/L #	81
22) tert-Butyl alcohol	3.599	59	835410	575.588	ug/L #	100
24) Diisopropyl ether	3.858	45	9122724	118.412	ug/L	99
25) 1,1-Dichloroethane	3.977	63	4830941	109.825	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A13.D
 Acq On : 8 Aug 2025 5:36 am
 Operator : ELAINE:PID
 Sample : I8260STD120PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 11 07:41:21 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	4.034	117	1798462	114.883	ug/L	99
27) Acrylonitrile	4.016	53	713748	111.610	ug/L	98
28) Ethyl tert-butyl ether	4.196	59	9037576	122.058	ug/L	99
29) Vinyl acetate	4.205	43	2568022	115.845	ug/L	100
30) cis-1,2-Dichloroethene	4.486	96	2628061	112.782	ug/L	99
31) 2,2-Dichloropropane	4.583	77	3777832	111.908	ug/L	97
33) Bromochloromethane	4.670	128	1096407	107.075	ug/L	95
34) Cyclohexane	4.675	56	5734942	114.633	ug/L	98
35) Chloroform	4.745	83	4293386	111.136	ug/L	97
36) Ethyl acetate	4.850	43	1823199	118.641	ug/L	98
37) Carbon tetrachloride	4.877	117	3462242M6	114.956	ug/L	
38) Tetrahydrofuran	4.886	42	520785M6	109.711	ug/L	
40) 1,1,1-Trichloroethane	4.938	97	3820555	117.963	ug/L	98
42) 2-Butanone	5.026	43	772570	119.195	ug/L	94
43) 1,1-Dichloropropene	5.061	75	3210919	121.554	ug/L	99
45) Benzene	5.298	78	9978567	117.009	ug/L	98
46) tert-Amyl methyl ether	5.410	73	6399908	120.399	ug/L	98
48) 1,2-Dichloroethane	5.500	62	3646518	112.683	ug/L	99
51) Methyl cyclohexane	5.880	83	4536580	122.581	ug/L	97
52) Trichloroethene	5.889	95	2509737	116.802	ug/L	98
54) Dibromomethane	6.324	93	1357994	112.182	ug/L	99
55) 1,2-Dichloropropane	6.423	63	2909209	116.135	ug/L	100
57) 2-Chloroethyl vinyl ether	7.120	63	1468229	120.450	ug/L	96
58) Bromodichloromethane	6.505	83	3483184	117.072	ug/L	99
61) 1,4-Dioxane	6.708	88	164594	1154.868	ug/L	96
62) cis-1,3-Dichloropropene	7.184	75	4174524	121.059	ug/L	98
65) Toluene	7.446	92	5737139	123.292	ug/L	100
66) 4-Methyl-2-pentanone	7.876	58	676271	118.625	ug/L	98
67) Tetrachloroethene	7.889	166	2361314	124.251	ug/L	99
69) trans-1,3-Dichloropropene	7.930	75	3458798	129.221	ug/L	97
71) Ethyl methacrylate	8.120	69	2320663	116.247	ug/L	95
72) 1,1,2-Trichloroethane	8.111	83	1511308	122.398	ug/L	100
73) Chlorodibromomethane	8.319	129	2481319	133.206	ug/L	99
74) 1,3-Dichloropropane	8.432	76	3429484	124.211	ug/L	100
75) 1,2-Dibromoethane	8.591	107	1940264	126.992	ug/L	99
77) 2-Hexanone	8.876	43	1091059	118.284	ug/L	98
78) Chlorobenzene	9.238	112	6399433	121.815	ug/L	98
79) Ethylbenzene	9.279	91	11265141	121.010	ug/L	100
80) 1,1,1,2-Tetrachloroethane	9.324	131	2333178	125.206	ug/L	98
81) p/m Xylene	9.469	106	8641684	245.488	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A13.D
 Acq On : 8 Aug 2025 5:36 am
 Operator : ELAINE:PID
 Sample : I8260STD120PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 11 07:41:21 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	10.012	106	8416329	241.165	ug/L	99
83) Styrene	10.084	104	14043092	247.319	ug/L	99
85) Bromoform	10.111	173	1317112	126.895	ug/L	100
87) Isopropylbenzene	10.414	105	11997682	123.198	ug/L	99
89) Bromobenzene	10.855	156	2618540	120.181	ug/L	99
90) n-Propylbenzene	10.912	91	13677108	124.487	ug/L	100
91) 1,4-Dichlorobutane	10.925	55	3761471	113.677	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.009	83	1909405	111.256	ug/L	99
93) 4-Ethyltoluene	11.040	105	11477936	123.268	ug/L	100
94) 2-Chlorotoluene	11.080	91	8426033M6	122.262	ug/L	
95) 1,3,5-Trimethylbenzene	11.146	105	9952834	120.978	ug/L	99
96) 1,2,3-Trichloropropane	11.141	75	1648786	116.000	ug/L	99
97) trans-1,4-Dichloro-2-b...	11.199	53	797364	118.593	ug/L	97
98) 4-Chlorotoluene	11.269	91	8839342	120.921	ug/L	99
99) tert-Butylbenzene	11.489	119	8568883	121.137	ug/L	99
102) 1,2,4-Trimethylbenzene	11.569	105	9706345	121.053	ug/L	100
103) sec-Butylbenzene	11.683	105	12605680	123.684	ug/L	99
104) p-Isopropyltoluene	11.842	119	10782689	122.429	ug/L	100
105) 1,3-Dichlorobenzene	11.903	146	5253003	118.749	ug/L	100
106) 1,4-Dichlorobenzene	12.000	146	5219992	120.555	ug/L	99
107) p-Diethylbenzene	12.225	119	6639316	124.120	ug/L	100
108) n-Butylbenzene	12.282	91	9368134	125.382	ug/L	99
109) 1,2-Dichlorobenzene	12.428	146	5020220	119.398	ug/L	98
110) 1,2,4,5-Tetramethylben...	13.027	119	10240460	127.691	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.216	155	368988	124.091	ug/L	100
112) 1,3,5-Trichlorobenzene	13.247	180	3770711	123.678	ug/L	100
113) Hexachlorobutadiene	13.829	225	1148903	122.663	ug/L	98
114) 1,2,4-Trichlorobenzene	13.851	180	3222322	121.404	ug/L	98
115) Naphthalene	14.141	128	7707869	124.828	ug/L	100
116) 1,2,3-Trichlorobenzene	14.309	180	2922374	123.115	ug/L	99

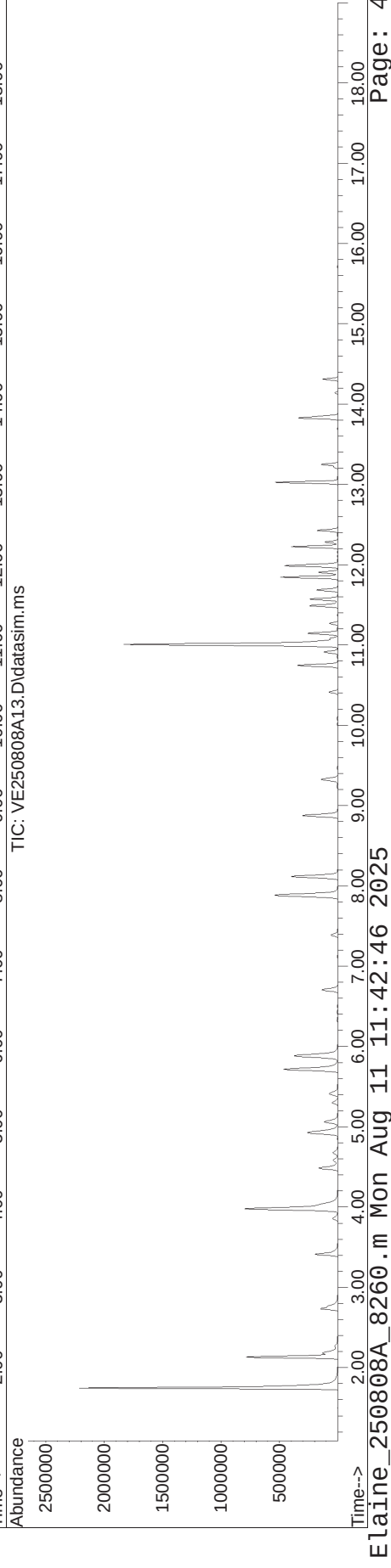
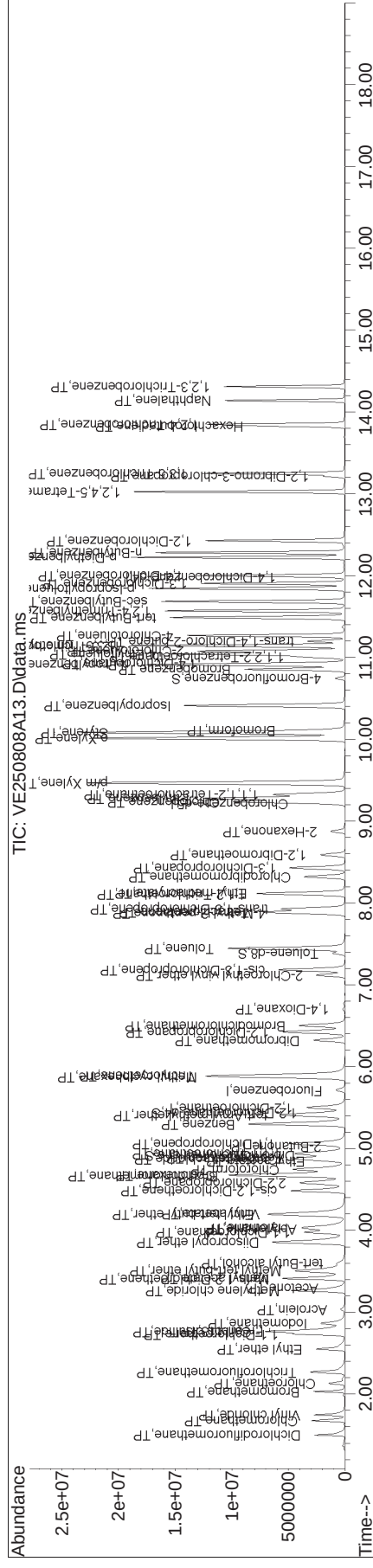
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A13.D
Acq On : 8 Aug 2025 5:36 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG2101503,ICAL (Sig #1); WG
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 11 07:41:21 2025
Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 07:40:10 2025
Response via : Initial Calibration

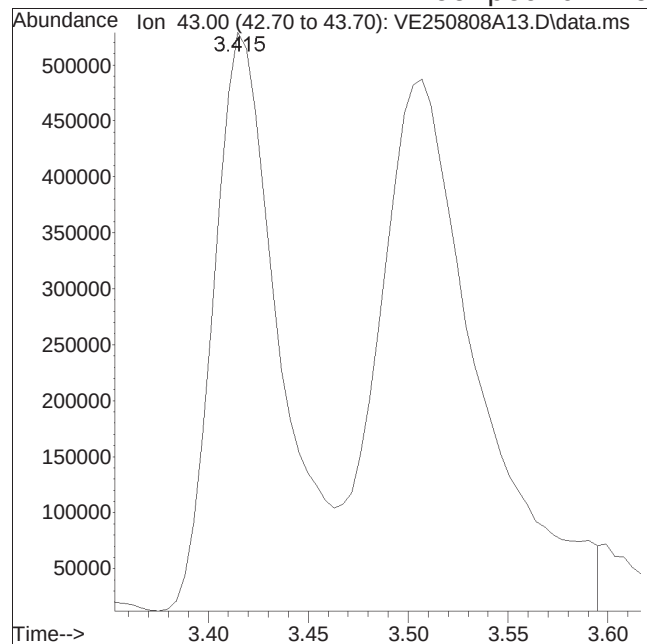
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Manual Integration Report

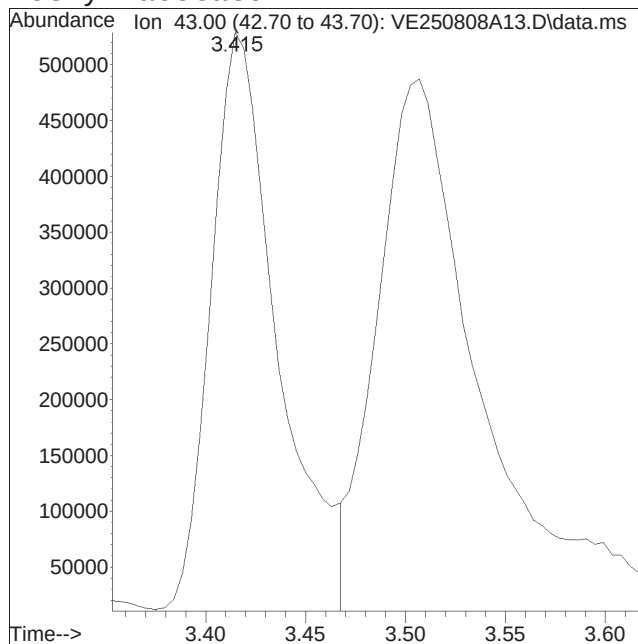
Data Path : K:\Elaine\2025\250808AICALQMethod : Elaine_250808A_8260.m
Data File : VE250808A13.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 5:36 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 8/11/2025 7:41 am

Compound #19: Methyl acetate



Original Peak Response = 2812465

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

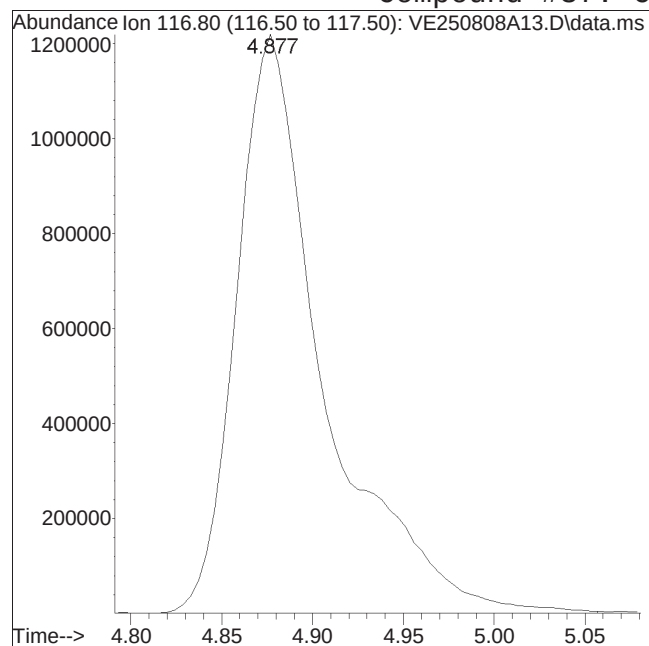


Manual Peak Response = 1205280 M6

Manual Integration Report

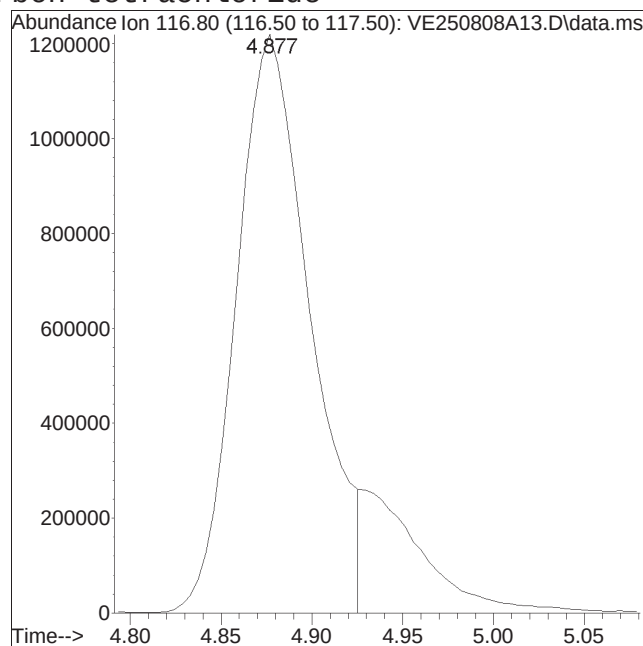
Data Path : K:\Elaine\2025\250808AICAL
Data File : VE250808A13.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 5:36 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 8/11/2025 7:41 am

Compound #37: Carbon tetrachloride



Original Peak Response = 4049501

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

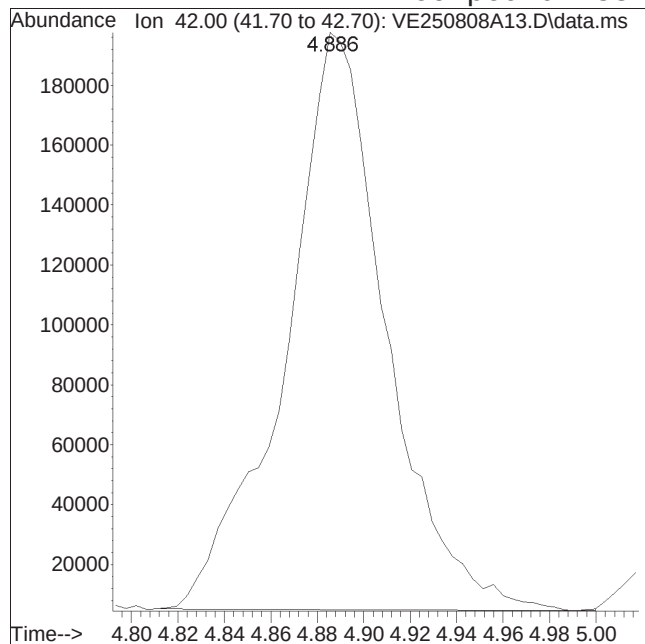


Manual Peak Response = 3462242 M6

Manual Integration Report

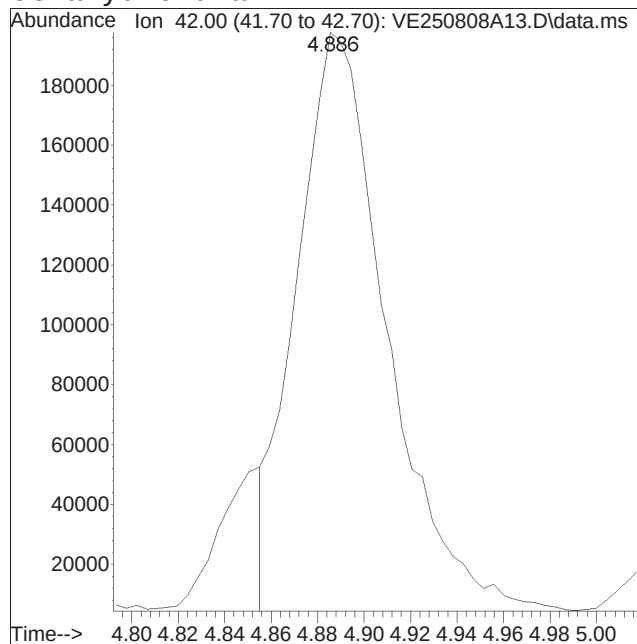
Data Path : K:\Elaine\2025\250808AICALQ Method : Elaine_250808A_8260.m
Data File : VE250808A13.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 5:36 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 8/11/2025 7:41 am

Compound #38: Tetrahydrofuran



Original Peak Response = 577295

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

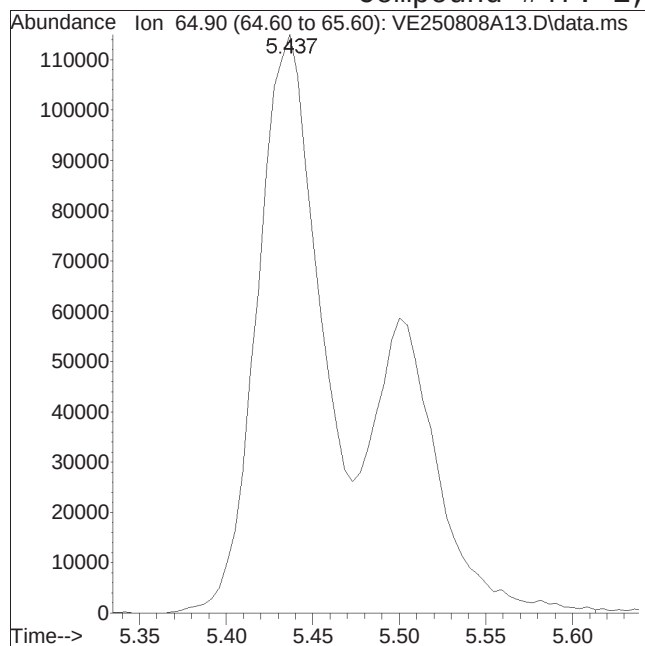


Manual Peak Response = 520785 M6

Manual Integration Report

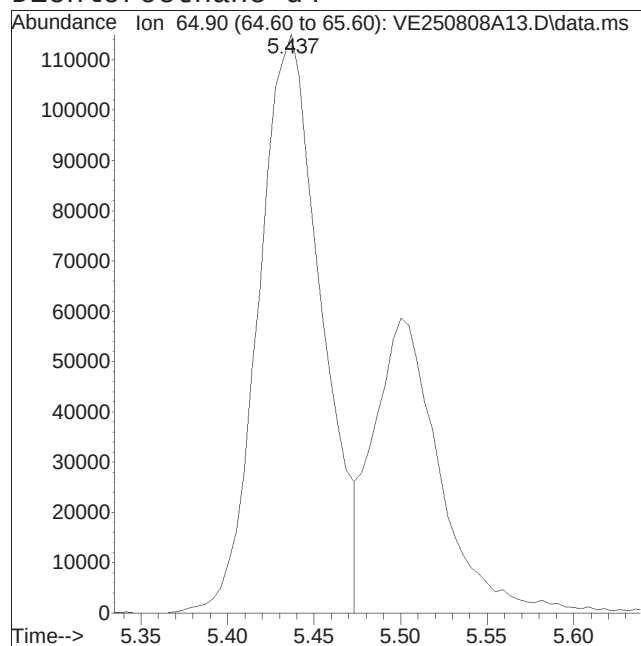
Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A13.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 5:36 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 8/11/2025 7:41 am

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 444302

M6 = Misassignment of peak valley by



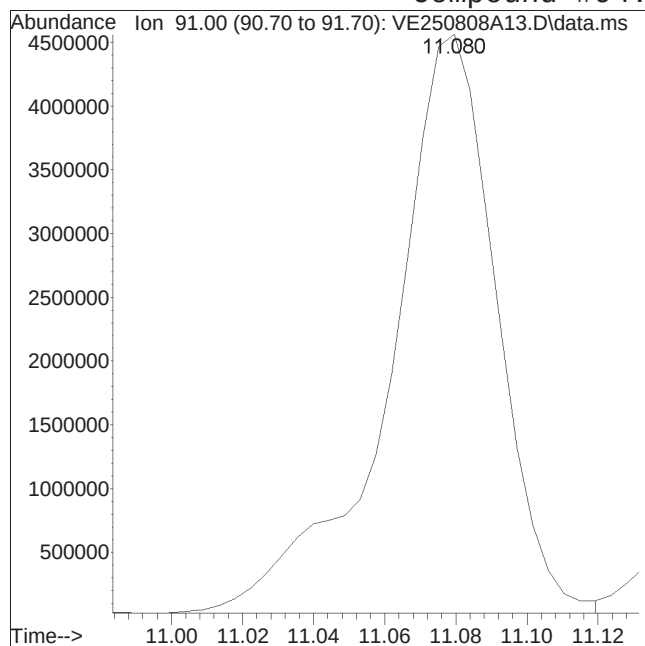
Manual Peak Response = 289066 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

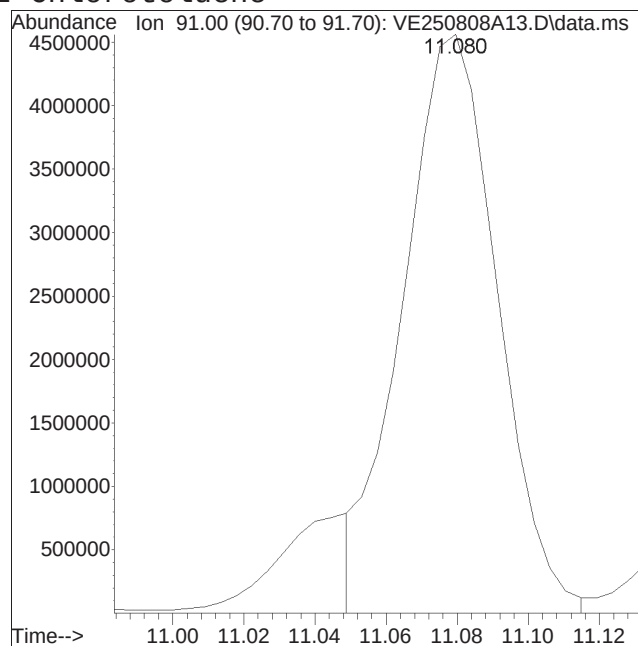
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Data File : VE250808A13.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 5:36 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 8/11/2025 7:41 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 9406990

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 8426033 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A14.D
 Acq On : 8 Aug 2025 6:00 am
 Operator : ELAINE:PID
 Sample : I8260STD200PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 11 07:41:28 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	968996	10.000	ug/L	0.00
Standard Area 1 = 863943			Recovery	=	112.16%	
63) Chlorobenzene-d5	9.220	117	713582	10.000	ug/L	0.00
Standard Area 1 = 672769			Recovery	=	106.07%	
84) 1,4-Dichlorobenzene-d4	11.987	152	367839	10.000	ug/L	0.00
Standard Area 1 = 334598			Recovery	=	109.93%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.921	113	227994	8.972	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	89.72%	
47) 1,2-Dichloroethane-d4	5.432	65	297020M6	8.954	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	89.54%	
64) Toluene-d8	7.387	98	962391	10.147	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.47%	
88) 4-Bromofluorobenzene	10.745	95	352188	9.737	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	97.37%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.500	85	4073117	190.532	ug/L	99
3) Chloromethane	1.676	50	5225671	172.374	ug/L	100
4) Vinyl chloride	1.746	62	4767226	181.241	ug/L	100
5) Bromomethane	2.032	94	2282318	198.802	ug/L	98
6) Chloroethane	2.128	64	2222311	155.086	ug/L	98
7) Trichlorofluoromethane	2.269	101	5468944	188.921	ug/L	99
8) Ethyl ether	2.550	74	2182139	200.074	ug/L	97
10) 1,1-Dichloroethene	2.734	96	3162860	181.243	ug/L	97
11) Carbon disulfide	2.760	76	9621845	187.768	ug/L	98
12) Freon-113	2.769	101	3259086	186.894	ug/L	98
13) Iodomethane	2.866	142	4536345	221.707	ug/L	100
14) Acrolein	3.037	56	678994	180.109	ug/L	96
15) Methylene chloride	3.261	84	4078178	169.477	ug/L	98
17) Acetone	3.300	43	902809	115.465	ug/L	98
18) trans-1,2-Dichloroethene	3.410	96	3796933	181.539	ug/L	99
19) Methyl acetate	3.415	43	2064734M6	162.975	ug/L	
21) Methyl tert-butyl ether	3.507	73	11360506	202.944	ug/L #	81
22) tert-Butyl alcohol	3.599	59	1514982	1025.442	ug/L #	100
24) Diisopropyl ether	3.858	45	15426982	196.718	ug/L	99
25) 1,1-Dichloroethane	3.977	63	8138403	181.761	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A14.D
 Acq On : 8 Aug 2025 6:00 am
 Operator : ELAINE:PID
 Sample : I8260STD200PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 11 07:41:28 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Halothane	4.038	117	3048093	191.282	ug/L	99
27)	Acrylonitrile	4.016	53	1244680	191.209	ug/L	99
28)	Ethyl tert-butyl ether	4.196	59	15416547	204.546	ug/L	99
29)	Vinyl acetate	4.205	43	4333186	192.033	ug/L	100
30)	cis-1,2-Dichloroethene	4.482	96	4405106	185.718	ug/L	99
31)	2,2-Dichloropropane	4.583	77	6263996	182.289	ug/L	96
33)	Bromochloromethane	4.670	128	1803281	173.010	ug/L	94
34)	Cyclohexane	4.675	56	9380527	184.204	ug/L	97
35)	Chloroform	4.745	83	7291759	185.429	ug/L	97
36)	Ethyl acetate	4.850	43	3139430	200.699	ug/L	98
37)	Carbon tetrachloride	4.877	117	5886658M6	192.015	ug/L	
38)	Tetrahydrofuran	4.885	42	931090M6	192.696	ug/L	
40)	1,1,1-Trichloroethane	4.938	97	6429264	195.016	ug/L	98
42)	2-Butanone	5.026	43	1347364	204.220	ug/L	93
43)	1,1-Dichloropropene	5.057	75	5372126	199.791	ug/L	99
45)	Benzene	5.298	78	16819080	193.752	ug/L	98
46)	tert-Amyl methyl ether	5.414	73	11066818	204.533	ug/L	98
48)	1,2-Dichloroethane	5.500	62	6177051	187.523	ug/L	99
51)	Methyl cyclohexane	5.880	83	7606477	201.916	ug/L	95
52)	Trichloroethene	5.894	95	4264199	194.963	ug/L	97
54)	Dibromomethane	6.324	93	2322527	188.486	ug/L	99
55)	1,2-Dichloropropane	6.423	63	4878912	191.339	ug/L	100
57)	2-Chloroethyl vinyl ether	7.120	63	2529973	203.901	ug/L	96
58)	Bromodichloromethane	6.500	83	5866837	193.720	ug/L	100
61)	1,4-Dioxane	6.708	88	276609	1906.674	ug/L	96
62)	cis-1,3-Dichloropropene	7.183	75	7015165	199.857	ug/L	97
65)	Toluene	7.446	92	9840092	203.245	ug/L	100
66)	4-Methyl-2-pentanone	7.876	58	1176837	198.406	ug/L	96
67)	Tetrachloroethene	7.889	166	4043722	204.507	ug/L	99
69)	trans-1,3-Dichloropropene	7.930	75	5987193	214.988	ug/L	95
71)	Ethyl methacrylate	8.120	69	3964335	190.863	ug/L	96
72)	1,1,2-Trichloroethane	8.111	83	2551979	198.646	ug/L	99
73)	Chlorodibromomethane	8.324	129	4258153	219.707	ug/L	99
74)	1,3-Dichloropropane	8.432	76	5825498	202.789	ug/L	100
75)	1,2-Dibromoethane	8.591	107	3319862	208.841	ug/L	99
77)	2-Hexanone	8.876	43	1859119	193.716	ug/L	97
78)	Chlorobenzene	9.238	112	10939348	200.139	ug/L	98
79)	Ethylbenzene	9.283	91	18831392	194.424	ug/L	99
80)	1,1,1,2-Tetrachloroethane	9.328	131	4008409	206.743	ug/L	98
81)	p/m Xylene	9.469	106	14278089	389.838	ug/L	75

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A14.D
 Acq On : 8 Aug 2025 6:00 am
 Operator : ELAINE:PID
 Sample : I8260STD200PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 11 07:41:28 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 07:40:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	10.016	106	13859273	381.693	ug/L	77
83) Styrene	10.079	104	20644990	349.454	ug/L	92
85) Bromoform	10.111	173	2249331	206.789	ug/L	100
87) Isopropylbenzene	10.410	105	19031767	186.482	ug/L	98
89) Bromobenzene	10.859	156	4418789	193.523	ug/L	98
90) n-Propylbenzene	10.903	91	19333465	167.915	ug/L	92
91) 1,4-Dichlorobutane	10.930	55	6231699	179.711	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.009	83	3297338	183.333	ug/L	100
93) 4-Ethyltoluene	11.040	105	18223415	186.753	ug/L	96
94) 2-Chlorotoluene	11.079	91	14367254M6	198.927	ug/L	
95) 1,3,5-Trimethylbenzene	11.145	105	16516887	191.575	ug/L	99
96) 1,2,3-Trichloropropane	11.141	75	2779051	186.571	ug/L	100
97) trans-1,4-Dichloro-2-b...	11.198	53	1370989	194.576	ug/L	94
98) 4-Chlorotoluene	11.273	91	14736481	192.366	ug/L	100
99) tert-Butylbenzene	11.489	119	14449049	194.915	ug/L	99
102) 1,2,4-Trimethylbenzene	11.568	105	16043062	190.923	ug/L	97
103) sec-Butylbenzene	11.679	105	18528671	173.478	ug/L	93
104) p-Isopropyltoluene	11.842	119	16847545	182.534	ug/L	93
105) 1,3-Dichlorobenzene	11.908	146	9242354	199.368	ug/L	100
106) 1,4-Dichlorobenzene	12.005	146	9175768	202.213	ug/L	100
107) p-Diethylbenzene	12.225	119	11287691	201.360	ug/L	99
108) n-Butylbenzene	12.278	91	15102122	192.873	ug/L	94
109) 1,2-Dichlorobenzene	12.427	146	8683676	197.074	ug/L	99
110) 1,2,4,5-Tetramethylben...	13.022	119	15328736	182.390	ug/L	94
111) 1,2-Dibromo-3-chloropr...	13.216	155	634560	203.635	ug/L	99
112) 1,3,5-Trichlorobenzene	13.251	180	6204352	194.187	ug/L	100
113) Hexachlorobutadiene	13.828	225	1831536	186.594	ug/L	99
114) 1,2,4-Trichlorobenzene	13.851	180	5353193	192.455	ug/L	99
115) Naphthalene	14.141	128	12748830	197.015	ug/L	100
116) 1,2,3-Trichlorobenzene	14.309	180	4848290	194.901	ug/L	99

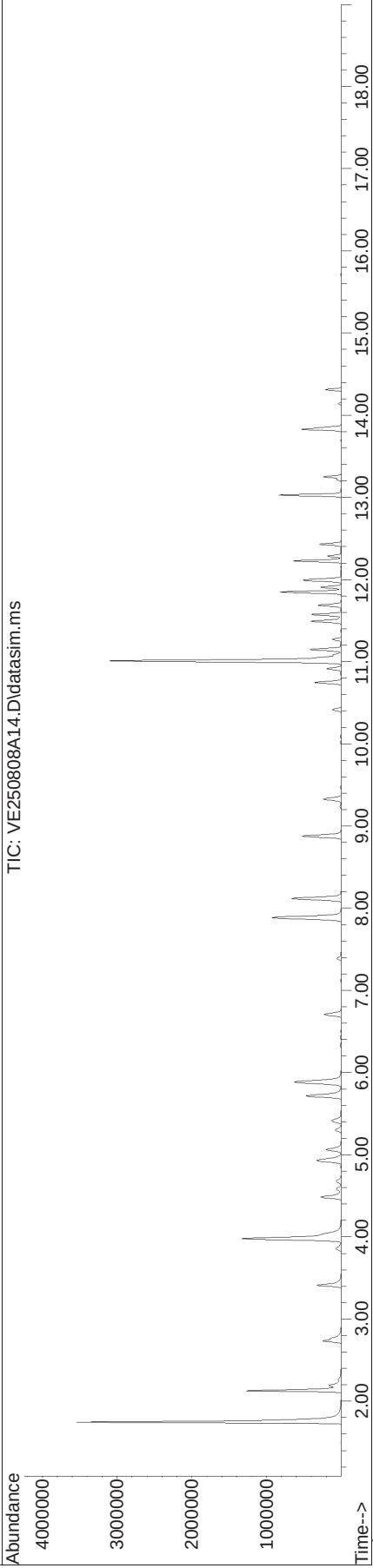
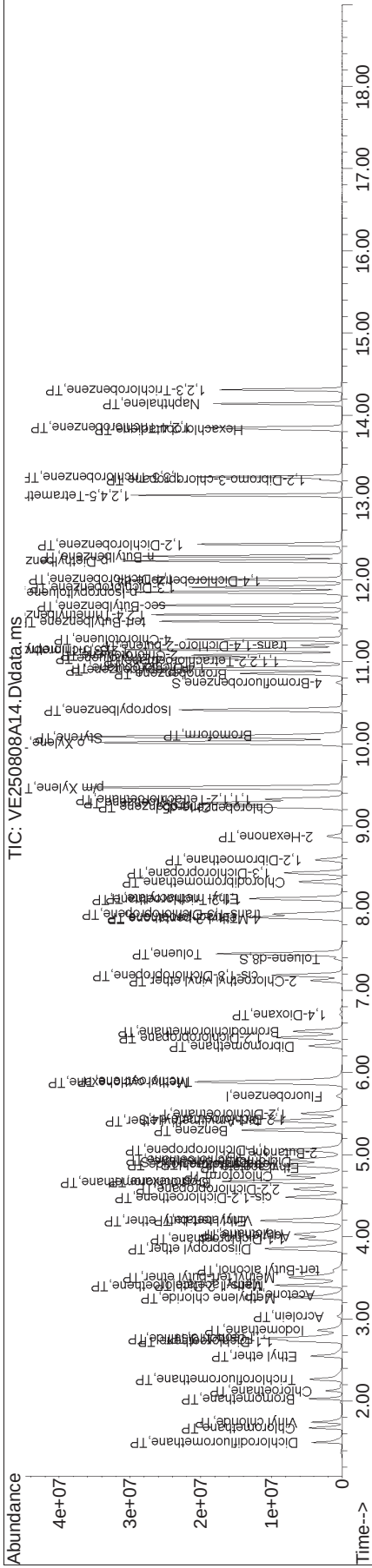
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A14.D
Acq On : 8 Aug 2025 6:00 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG2101503, ICA (Sig #1); WG, ICA (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 11 07:41:28 2025
Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 07:40:10 2025
Response via : Initial Calibration

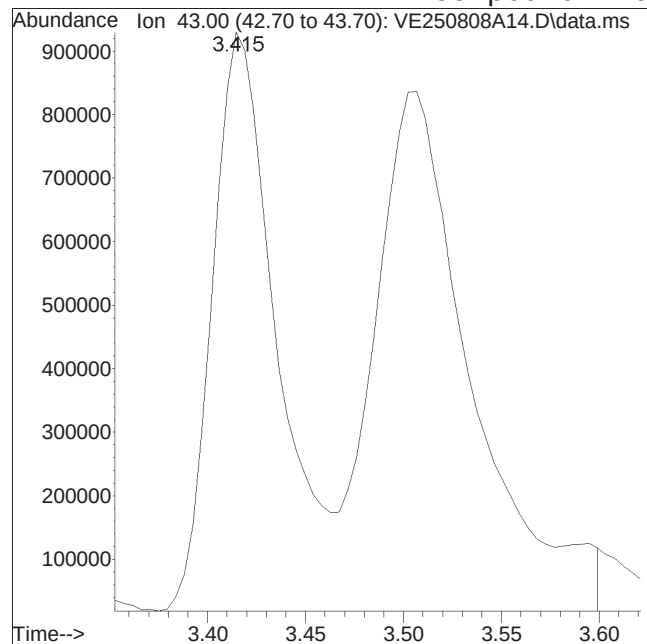
SAMPLE(S) : 8260KCNVINE\250808A14.D



Manual Integration Report

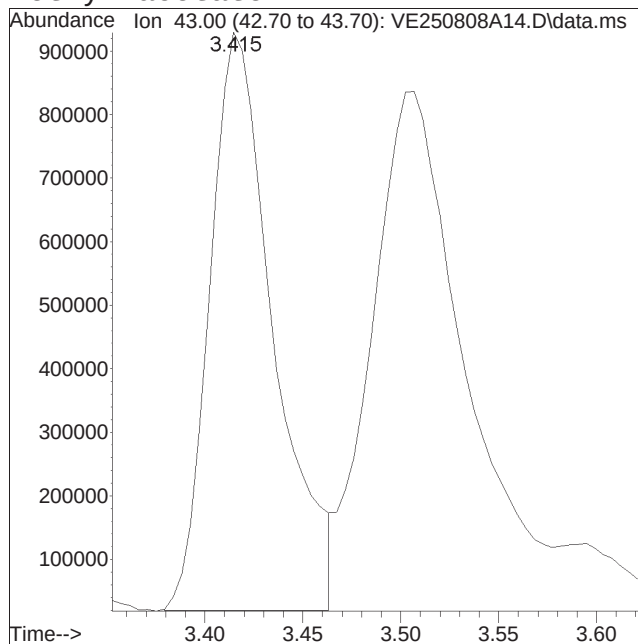
Data Path : K:\Elaine\2025\250808AICALQMethod : Elaine_250808A_8260.m
Data File : VE250808A14.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 6:00 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 8/11/2025 7:41 am

Compound #19: Methyl acetate



Original Peak Response = 4885503

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

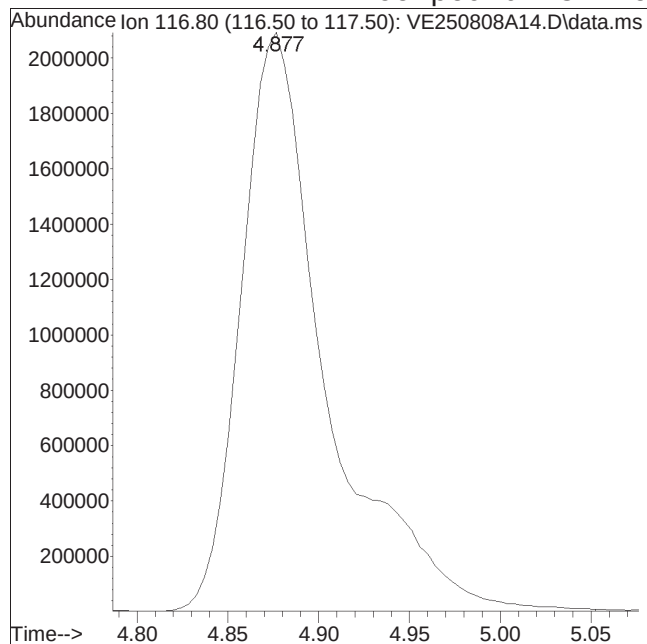


Manual Peak Response = 2064734 M6

Manual Integration Report

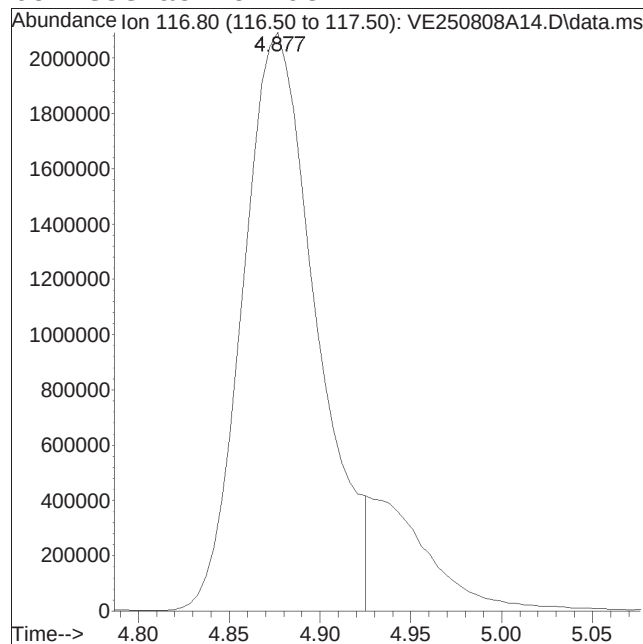
Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A14.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 6:00 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 8/11/2025 7:41 am

Compound #37: Carbon tetrachloride



Original Peak Response = 6797888

M6 = Misassignment of peak valley by



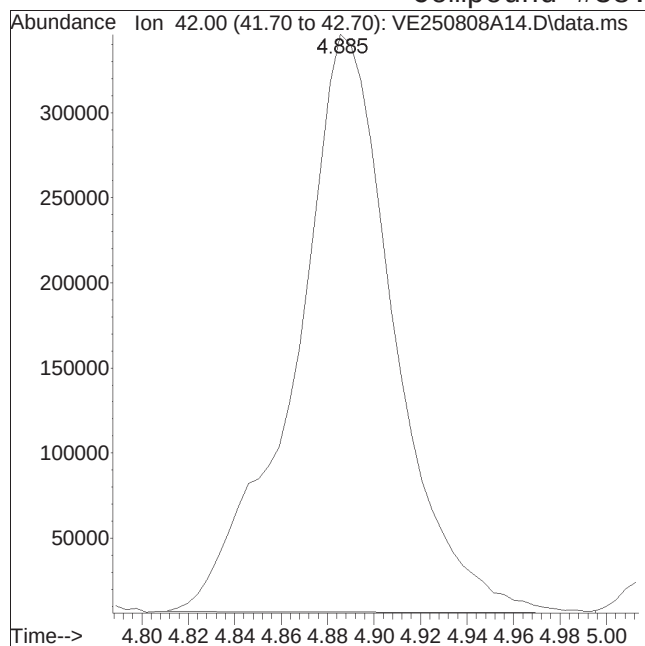
Manual Peak Response = 5886658 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

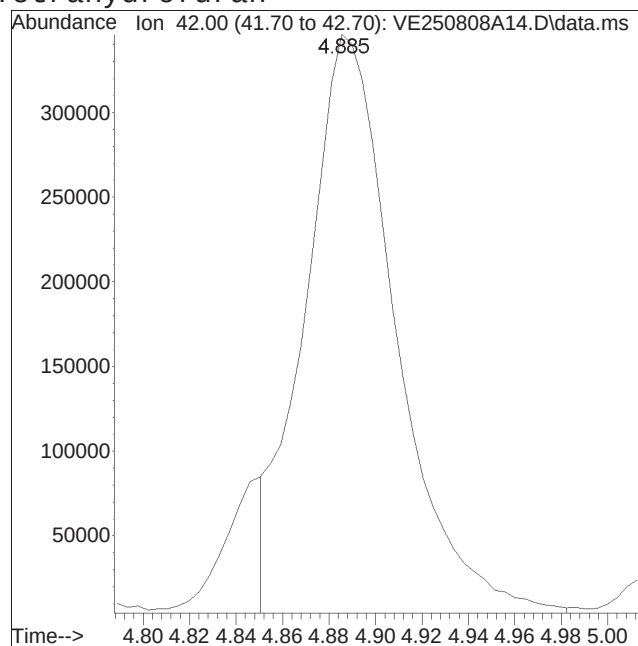
Data Path : K:\Elaine\2025\250808AICALQ Method : Elaine_250808A_8260.m
Data File : VE250808A14.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 6:00 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 8/11/2025 7:41 am

Compound #38: Tetrahydrofuran



Original Peak Response = 1004343

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

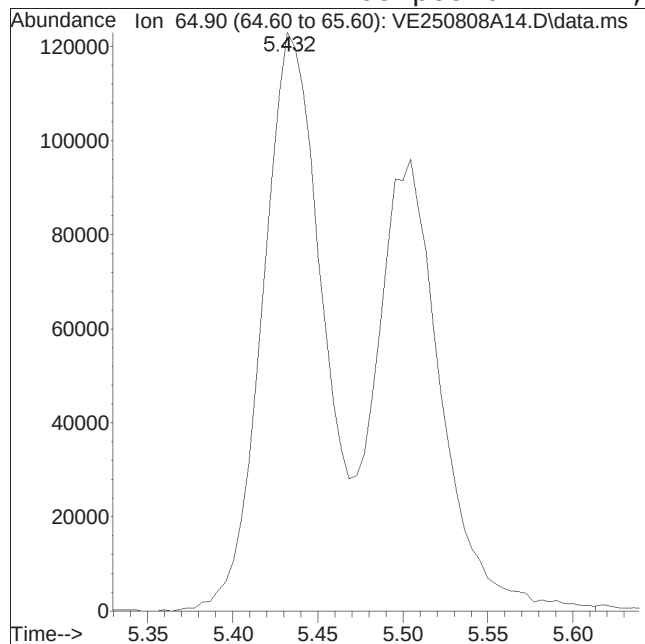


Manual Peak Response = 931090 M6

Manual Integration Report

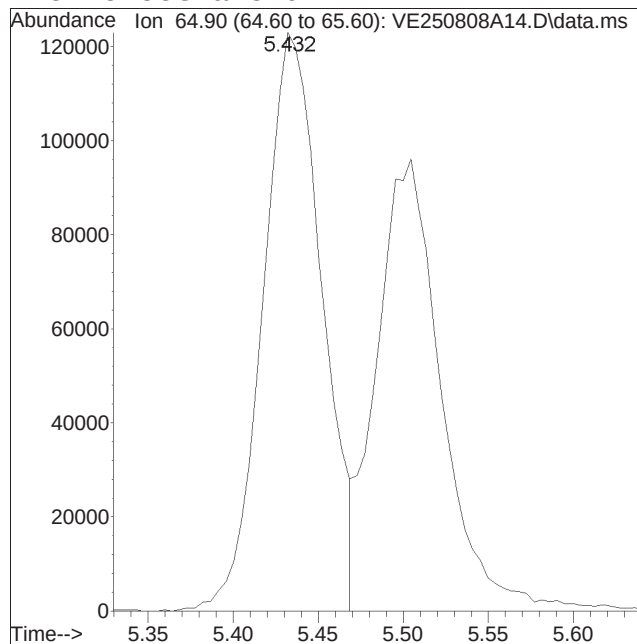
Data Path : K:\Elaine\2025\250808AICAL\ : Elaine_250808A_8260.m
Data File : VE250808A14.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 6:00 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 8/11/2025 7:41 am

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 551405

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

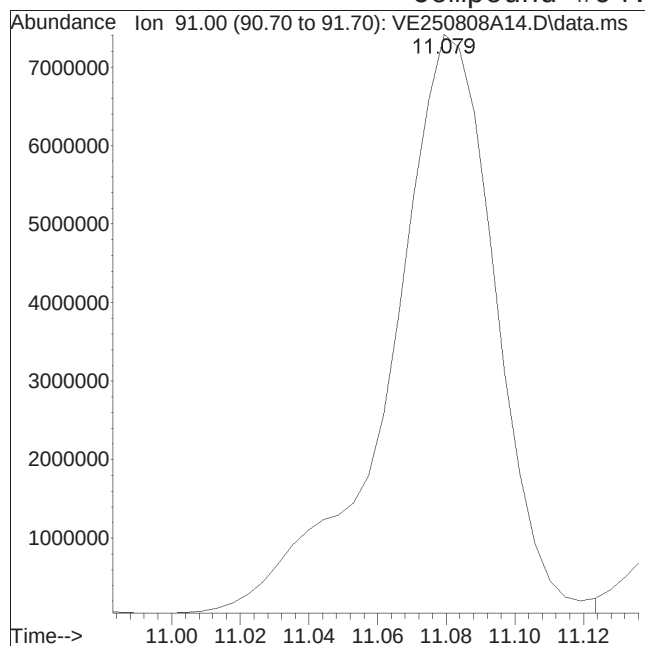


Manual Peak Response = 297020 M6

Manual Integration Report

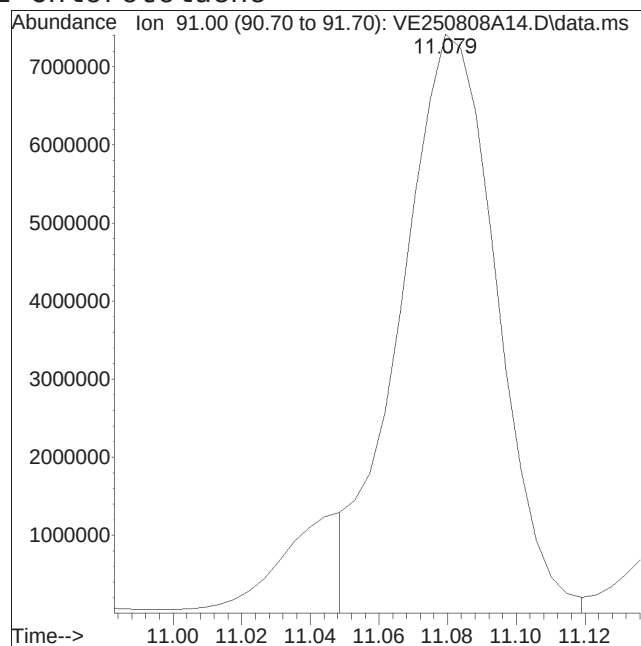
Data Path : K:\Elaine\2025\250808AICALQ Method : Elaine_250808A_8260.m
Data File : VE250808A14.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 6:00 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 8/11/2025 7:41 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 15762216

M6 = Misassignment of peak valley by



Manual Peak Response = 14367254 M6

M6 = Misassignment of peak valley by automated integration (poor split of

2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A19.D
 Acq On : 8 Aug 2025 8:00 am
 Operator : ELAINE:PID
 Sample : C8260STD10PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 11 08:02:50 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	101	0.00
2 TP	Dichlorodifluoromethane	0.221	0.187	15.4	81	0.00
3 TP	Chloromethane	0.313	0.306	2.2	93	0.00
4 TP	Vinyl chloride	0.271	0.277	-2.2	97	0.00
5 TP	Bromomethane	0.118	0.126	-6.8	112	0.00
6 TP	Chloroethane	0.148	0.158	-6.8	101	0.00
7 TP	Trichlorofluoromethane	0.299	0.330	-10.4	109	0.00
8 TP	Ethyl ether	0.113	0.116	-2.7	100	0.00
10 TP	1,1-Dichloroethene	0.180	0.192	-6.7	105	0.00
11 TP	Carbon disulfide	0.529	0.481	9.1	88	0.00
12 TP	Freon-113	0.180	0.207	-15.0	111	0.00
13 TP	Iodomethane	0.211	0.206	2.4	102	0.00
14 TP	Acrolein	* 10.000	3.694	63.1#	44#	0.00
15 TP	Methylene chloride	* 10.000	10.608	-6.1	101	0.00
17 TP	Acetone	* 10.000	8.281	17.2	89	0.00
18 TP	trans-1,2-Dichloroethene	0.216	0.229	-6.0	105	0.00
19 TP	Methyl acetate	0.112	0.109	2.7	100	0.00
21 TP	Methyl tert-butyl ether	0.578	0.557	3.6	98	0.00
22 TP	tert-Butyl alcohol	0.015	0.016	-6.7	112	0.00
24 TP	Diisopropyl ether	0.809	0.799	1.2	102	0.00
25 TP	1,1-Dichloroethane	0.462	0.504	-9.1	106	0.00
26 TP	Halothane	0.164	0.179	-9.1	107	0.00
27 TP	Acrylonitrile	0.067	0.072	-7.5	105	0.00
28 TP	Ethyl tert-butyl ether	0.778	0.797	-2.4	108	0.00
29 TP	Vinyl acetate	0.233	0.286	-22.7#	134	0.00
30 TP	cis-1,2-Dichloroethene	0.245	0.256	-4.5	103	0.00
31 TP	2,2-Dichloropropane	0.355	0.360	-1.4	100	0.00
33 TP	Bromochloromethane	0.108	0.114	-5.6	105	0.00
34 TP	Cyclohexane	0.526	0.553	-5.1	102	0.00
35 TP	Chloroform	0.406	0.435	-7.1	107	0.00
36 TP	Ethyl acetate	0.161	0.164	-1.9	103	0.00
37 TP	Carbon tetrachloride	0.316	0.316	0.0	108	0.00
38 TP	Tetrahydrofuran	0.050	0.051	-2.0	105	0.00
39 S	Dibromofluoromethane	0.262	0.269	-2.7	102	0.00
40 TP	1,1,1-Trichloroethane	0.340	0.379	-11.5	109	0.00
42 TP	2-Butanone	0.068	0.068	0.0	104	0.00
43 TP	1,1-Dichloropropene	0.277	0.320	-15.5	112	0.00
45 TP	Benzene	0.896	0.942	-5.1	108	0.00
46 TP	tert-Amyl methyl ether	0.558	0.555	0.5	103	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A19.D
 Acq On : 8 Aug 2025 8:00 am
 Operator : ELAINE:PID
 Sample : C8260STD10PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 11 08:02:50 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 S	1,2-Dichloroethane-d4	0.342	0.366	-7.0	102	0.00
48 T	1,2-Dichloroethane	0.340	0.361	-6.2	106	0.00
51 TP	Methyl cyclohexane	0.389	0.405	-4.1	106	0.00
52 TP	Trichloroethene	0.226	0.252	-11.5	112	0.00
54 TP	Dibromomethane	0.127	0.134	-5.5	109	0.00
55 TP	1,2-Dichloropropane	0.263	0.286	-8.7	106	0.00
57 TP	2-Chloroethyl vinyl ether	0.128	0.131	-2.3	107	0.00
58 TP	Bromodichloromethane	0.313	0.327	-4.5	106	0.00
61 TP	1,4-Dioxane	0.00150	0.00147#	2.0	98	0.00
62 TP	cis-1,3-Dichloropropene	0.362	0.386	-6.6	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64 S	Toluene-d8	1.329	1.316	1.0	101	0.00
65 TP	Toluene	0.678	0.730	-7.7	108	0.00
66 TP	4-Methyl-2-pentanone	0.083	0.080	3.6	100	0.00
67 TP	Tetrachloroethene	0.277	0.307	-10.8	108	0.00
69 TP	trans-1,3-Dichloropropene	0.390	0.403	-3.3	105	0.00
71 TP	Ethyl methacrylate	0.291	0.318	-9.3	111	0.00
72 TP	1,1,2-Trichloroethane	0.180	0.181#	-0.6	105	0.00
73 TP	Chlorodibromomethane	0.272	0.281	-3.3	109	0.00
74 TP	1,3-Dichloropropane	0.403	0.407	-1.0	105	0.00
75 TP	1,2-Dibromoethane	0.223	0.223	0.0	106	0.00
77 TP	2-Hexanone	0.134	0.136	-1.5	101	0.00
78 TP	Chlorobenzene	0.766	0.832	-8.6	109	0.00
79 TP	Ethylbenzene	1.357	1.475	-8.7	107	0.00
80 TP	1,1,1,2-Tetrachloroethane	0.272	0.270	0.7	108	0.00
81 TP	p/m Xylene	0.513	0.551	-7.4	106	0.00
82 TP	o Xylene	0.509	0.547	-7.5	106	0.00
83 TP	Styrene	0.845	0.904	-7.0	106	0.00
84 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
85 TP	Bromoform	0.296	0.301	-1.7	105	0.00
87 TP	Isopropylbenzene	2.806	3.092	-10.2	106	0.00
88 S	4-Bromofluorobenzene	0.983	1.002	-1.9	101	0.00
89 TP	Bromobenzene	0.621	0.682	-9.8	107	0.00
90 TP	n-Propylbenzene	3.214	3.571	-11.1	108	0.00
91 TP	1,4-Dichlorobutane	0.943	1.051	-11.5	108	0.00
92 TP	1,1,2,2-Tetrachloroethane	0.489	0.465	4.9	98	0.00
93 TP	4-Ethyltoluene	2.682	3.019	-12.6	110	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A19.D
 Acq On : 8 Aug 2025 8:00 am
 Operator : ELAINE:PID
 Sample : C8260STD10PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 11 08:02:50 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene	1.963	2.062	-5.0	105	0.00
95 TP	1,3,5-Trimethylbenzene	2.344	2.519	-7.5	105	0.00
96 TP	1,2,3-Trichloropropane	0.405	0.441	-8.9	108	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.192	0.208	-8.3	110	0.00
98 TP	4-Chlorotoluene	2.083	2.210	-6.1	105	0.00
99 TP	tert-Butylbenzene	2.015	2.252	-11.8	108	0.00
102 TP	1,2,4-Trimethylbenzene	2.302	2.584	-12.3	109	0.00
103 TP	sec-Butylbenzene	2.968	3.270	-10.2	108	0.00
104 TP	p-Isopropyltoluene	2.546	2.809	-10.3	106	0.00
105 TP	1,3-Dichlorobenzene	1.260	1.383	-9.8	106	0.00
106 TP	1,4-Dichlorobenzene	1.234	1.305	-5.8	105	0.00
107 TP	p-Diethylbenzene	1.524	1.660	-8.9	107	0.00
108 TP	n-Butylbenzene	2.141	2.439	-13.9	112	0.00
109 TP	1,2-Dichlorobenzene	1.198	1.317	-9.9	107	0.00
110 TP	1,2,4,5-Tetramethylbenzene	2.318	2.611	-12.6	113	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.085	0.081	4.7	102	0.00
112 TP	1,3,5-Trichlorobenzene	0.869	0.895	-3.0	103	0.00
113 TP	Hexachlorobutadiene	0.267	0.283	-6.0	104	0.00
114 TP	1,2,4-Trichlorobenzene	0.756	0.807	-6.7	108	0.00
115 TP	Naphthalene	1.759	1.857	-5.6	107	0.00
116 TP	1,2,3-Trichlorobenzene	0.676	0.739	-9.3	109	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A19.D
 Acq On : 8 Aug 2025 8:00 am
 Operator : ELAINE:PID
 Sample : C8260STD10PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 11 08:02:50 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	869190	10.000	ug/L	0.00
Standard Area 1 = 863943			Recovery	=	100.61%	
63) Chlorobenzene-d5	9.215	117	683611	10.000	ug/L	0.00
Standard Area 1 = 672769			Recovery	=	101.61%	
84) 1,4-Dichlorobenzene-d4	11.982	152	334508	10.000	ug/L	0.00
Standard Area 1 = 334598			Recovery	=	99.97%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.921	113	233537	10.246	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.46%	
47) 1,2-Dichloroethane-d4	5.437	65	318442	10.702	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	107.02%	
64) Toluene-d8	7.387	98	899330	9.898	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.98%	
88) 4-Bromofluorobenzene	10.740	95	335202	10.191	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.91%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.500	85	162486	8.474	ug/L	100
3) Chloromethane	1.676	50	265645	9.769	ug/L	99
4) Vinyl chloride	1.746	62	240680	10.201	ug/L	98
5) Bromomethane	2.031	94	109685	10.651	ug/L	92
6) Chloroethane	2.137	64	137173	10.672	ug/L	96
7) Trichlorofluoromethane	2.273	101	287128	11.058	ug/L	99
8) Ethyl ether	2.550	74	100819	10.305	ug/L	98
10) 1,1-Dichloroethene	2.738	96	166855	10.659	ug/L	96
11) Carbon disulfide	2.765	76	417805	9.090	ug/L	100
12) Freon-113	2.769	101	179684	11.487	ug/L	97
13) Iodomethane	2.866	142	179092	9.758	ug/L	99
14) Acrolein	3.033	56	14977	3.694	ug/L	94
15) Methylene chloride	3.265	84	203734	10.608	ug/L	99
17) Acetone	3.300	43	38997	8.281	ug/L	95
18) trans-1,2-Dichloroethene	3.415	96	199380	10.627	ug/L	99
19) Methyl acetate	3.419	43	94385M6	9.707	ug/L	
21) Methyl tert-butyl ether	3.507	73	483758	9.634	ug/L	98
22) tert-Butyl alcohol	3.595	59	70331	53.071	ug/L #	100
24) Diisopropyl ether	3.858	45	694258	9.869	ug/L	98
25) 1,1-Dichloroethane	3.981	63	437953	10.904	ug/L	99
26) Halothane	4.042	117	155664	10.890	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A19.D
 Acq On : 8 Aug 2025 8:00 am
 Operator : ELAINE:PID
 Sample : C8260STD10PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 11 08:02:50 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.020	53	62989	10.788	ug/L	95
28) Ethyl tert-butyl ether	4.196	59	692653	10.245	ug/L	95
29) Vinyl acetate	4.205	43	248586	12.282	ug/L	100
30) cis-1,2-Dichloroethene	4.486	96	222936	10.478	ug/L	100
31) 2,2-Dichloropropane	4.582	77	312646	10.143	ug/L	98
33) Bromochloromethane	4.675	128	98802	10.568	ug/L	96
34) Cyclohexane	4.679	56	480793	10.525	ug/L	98
35) Chloroform	4.749	83	377845	10.712	ug/L	99
36) Ethyl acetate	4.850	43	142289	10.141	ug/L	99
37) Carbon tetrachloride	4.877	117	274907M6	9.997	ug/L	
38) Tetrahydrofuran	4.885	42	44089M6	10.172	ug/L	
40) 1,1,1-Trichloroethane	4.943	97	329321	11.136	ug/L	100
42) 2-Butanone	5.035	43	59109	9.988	ug/L	99
43) 1,1-Dichloropropene	5.061	75	277707	11.514	ug/L	99
45) Benzene	5.298	78	818653	10.514	ug/L	99
46) tert-Amyl methyl ether	5.409	73	482555	9.942	ug/L	99
48) 1,2-Dichloroethane	5.504	62	313720	10.618	ug/L	100
51) Methyl cyclohexane	5.880	83	351754	10.410	ug/L	99
52) Trichloroethene	5.894	95	219196	11.173	ug/L	98
54) Dibromomethane	6.328	93	116829	10.570	ug/L	97
55) 1,2-Dichloropropane	6.423	63	248913	10.883	ug/L	99
57) 2-Chloroethyl vinyl ether	7.115	63	114259	10.266	ug/L	98
58) Bromodichloromethane	6.505	83	283812	10.447	ug/L	98
61) 1,4-Dioxane	6.699	88	63689	489.420	ug/L	98
62) cis-1,3-Dichloropropene	7.183	75	335392	10.652	ug/L	99
65) Toluene	7.446	92	499361	10.766	ug/L	100
66) 4-Methyl-2-pentanone	7.876	58	54793	9.643	ug/L	96
67) Tetrachloroethene	7.885	166	209585	11.064	ug/L	99
69) trans-1,3-Dichloropropene	7.925	75	275724	10.335	ug/L	99
71) Ethyl methacrylate	8.120	69	217552	10.933	ug/L	98
72) 1,1,2-Trichloroethane	8.111	83	123470	10.032	ug/L	98
73) Chlorodibromomethane	8.319	129	192005	10.341	ug/L	100
74) 1,3-Dichloropropane	8.428	76	278333	10.114	ug/L	100
75) 1,2-Dibromoethane	8.591	107	152320	10.002	ug/L	98
77) 2-Hexanone	8.876	43	93023	10.118	ug/L	99
78) Chlorobenzene	9.238	112	568901	10.865	ug/L	99
79) Ethylbenzene	9.278	91	1008240	10.866	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.324	131	184632	9.940	ug/L	99
81) p/m Xylene	9.464	106	753241	21.468	ug/L	99
82) o Xylene	10.012	106	748110	21.507	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
 Data File : VE250808A19.D
 Acq On : 8 Aug 2025 8:00 am
 Operator : ELAINE:PID
 Sample : C8260STD10PPB
 Misc : WG2101503,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 11 08:02:50 2025
 Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250808AICAL\VE250808A10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Styrene	10.079	104	1235971	21.388	ug/L	99
85)	Bromoform	10.102	173	100632	10.173	ug/L	99
87)	Isopropylbenzene	10.410	105	1034235	11.020	ug/L	100
89)	Bromobenzene	10.855	156	228252	10.992	ug/L	99
90)	n-Propylbenzene	10.908	91	1194534	11.111	ug/L	100
91)	1,4-Dichlorobutane	10.921	55	351624	11.151	ug/L	99
92)	1,1,2,2-Tetrachloroethane	11.004	83	155405	9.502	ug/L	99
93)	4-Ethyltoluene	11.040	105	1010027	11.258	ug/L	99
94)	2-Chlorotoluene	11.075	91	689679M6	10.501	ug/L	
95)	1,3,5-Trimethylbenzene	11.141	105	842537	10.746	ug/L	99
96)	1,2,3-Trichloropropane	11.141	75	147513	10.890	ug/L	99
97)	trans-1,4-Dichloro-2-b...	11.194	53	69477	10.843	ug/L	92
98)	4-Chlorotoluene	11.264	91	739378	10.613	ug/L	99
99)	tert-Butylbenzene	11.485	119	753451	11.177	ug/L	99
102)	1,2,4-Trimethylbenzene	11.568	105	864470	11.228	ug/L	98
103)	sec-Butylbenzene	11.683	105	1093690	11.017	ug/L	100
104)	p-Isopropyltoluene	11.842	119	939491	11.033	ug/L	99
105)	1,3-Dichlorobenzene	11.903	146	462690	10.975	ug/L	99
106)	1,4-Dichlorobenzene	12.000	146	436553	10.579	ug/L	99
107)	p-Diethylbenzene	12.220	119	555361	10.894	ug/L	100
108)	n-Butylbenzene	12.278	91	815740	11.388	ug/L	100
109)	1,2-Dichlorobenzene	12.427	146	440569	10.995	ug/L	98
110)	1,2,4,5-Tetramethylben...	13.022	119	873435	11.263	ug/L	99
111)	1,2-Dibromo-3-chloropr...	13.212	155	27156	9.583	ug/L	99
112)	1,3,5-Trichlorobenzene	13.247	180	299421	10.305	ug/L	99
113)	Hexachlorobutadiene	13.824	225	94548	10.592	ug/L	98
114)	1,2,4-Trichlorobenzene	13.846	180	269892	10.670	ug/L	99
115)	Naphthalene	14.137	128	621109	10.555	ug/L	100
116)	1,2,3-Trichlorobenzene	14.309	180	247087	10.923	ug/L	98

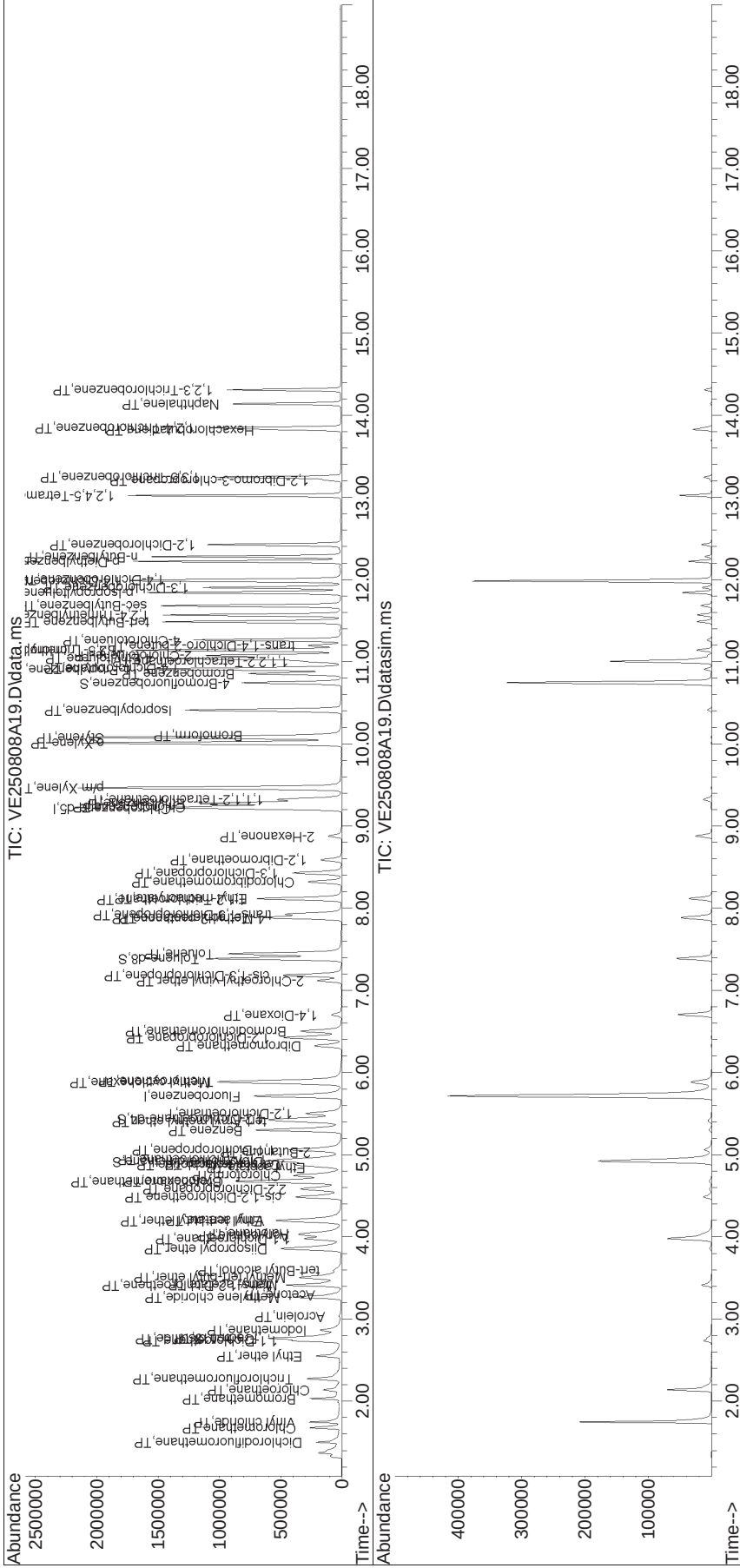
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A19.D
Acq On : 8 Aug 2025 8:00 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG2101503, ICAL (Sig #1); WG, ICAL (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 11 08:02:50 2025
Quant Method : K:\Elaine\2025\250808AICAL\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 08:01:29 2025
Response via : Initial Calibration

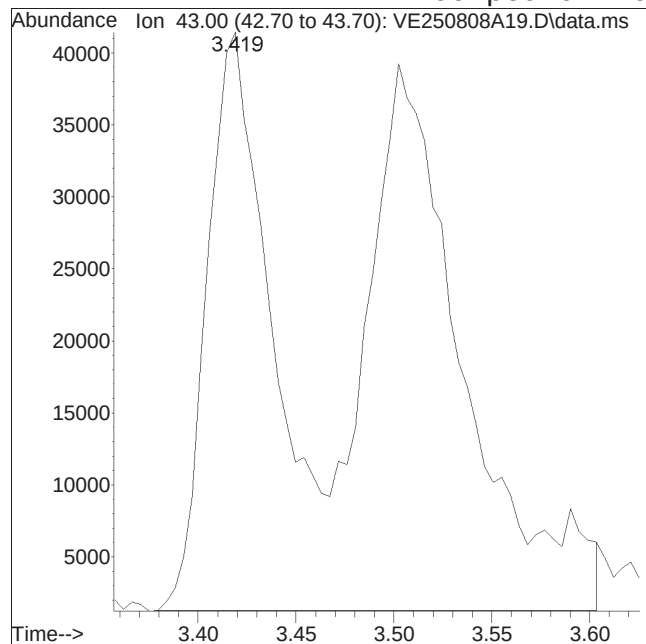
SAMPLE(S) : 8260KCNVINEMEGAMAK\VE250808A10.D



Manual Integration Report

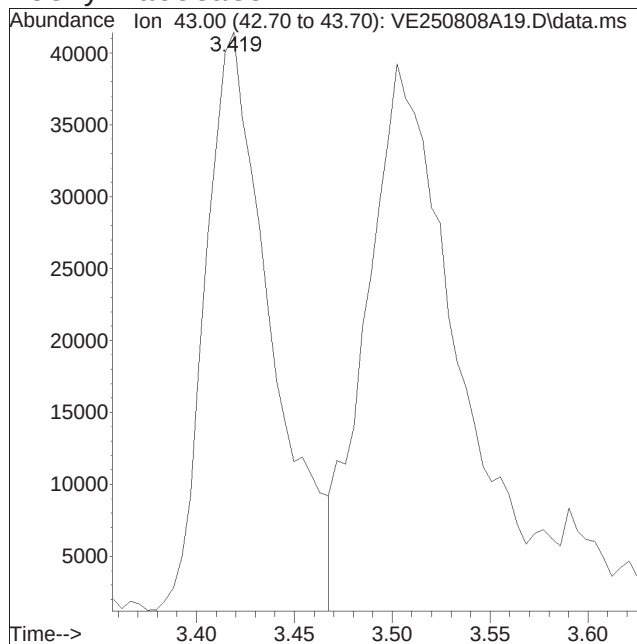
Data Path : K:\Elaine\2025\250808AICALQMethod : Elaine_250808A_8260.m
Data File : VE250808A19.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 8:00 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 8/11/2025 8:01 am

Compound #19: Methyl acetate



Original Peak Response = 222591

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

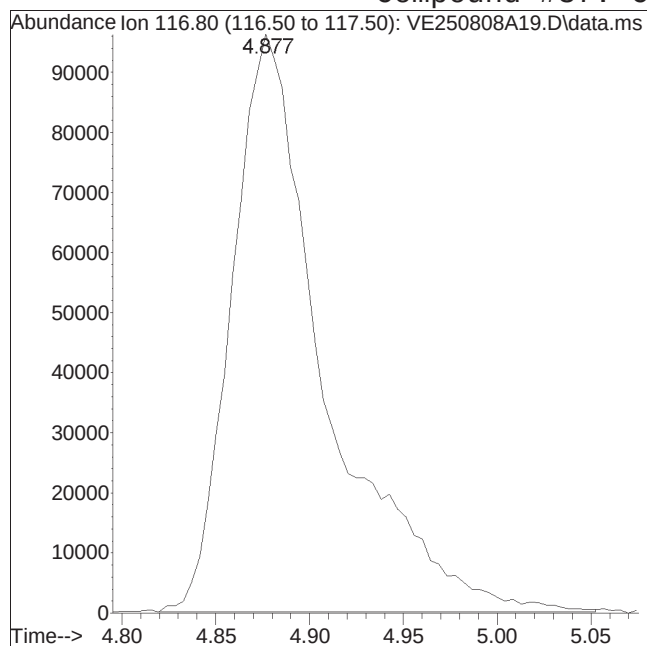


Manual Peak Response = 94385 M6

Manual Integration Report

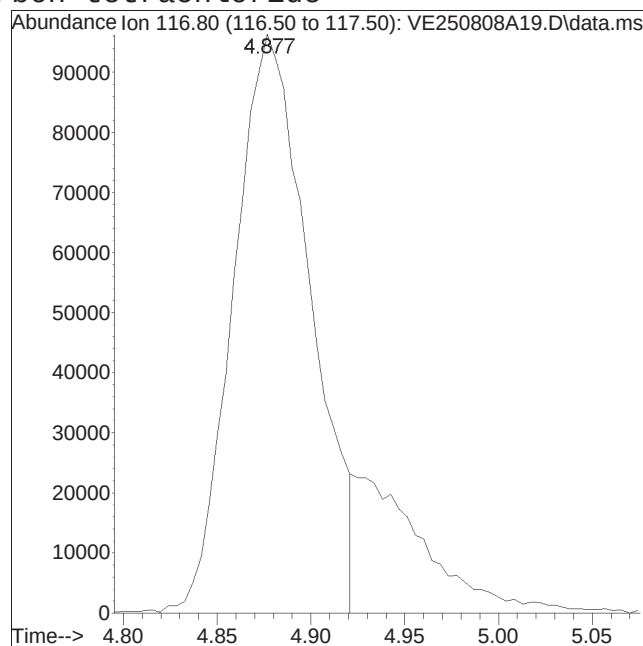
Data Path : K:\Elaine\2025\250808AICAL\
Data File : VE250808A19.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 8:00 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 8/11/2025 8:01 am

Compound #37: Carbon tetrachloride



Original Peak Response = 332258

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

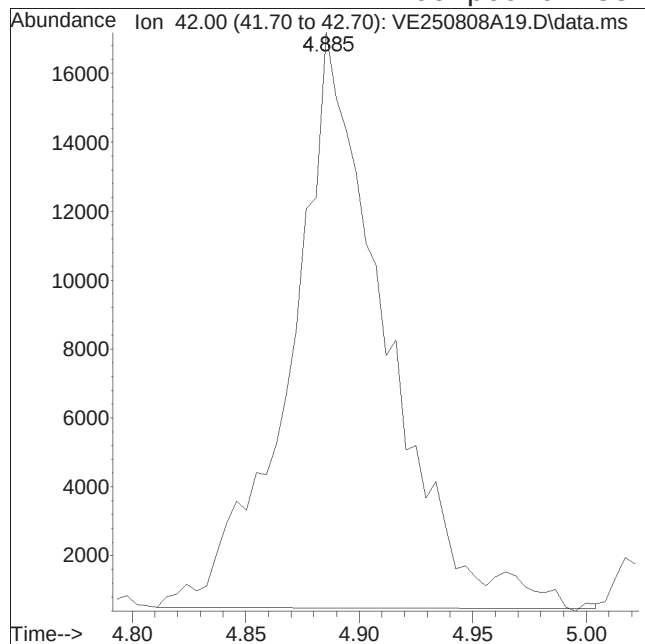


Manual Peak Response = 274907 M6

Manual Integration Report

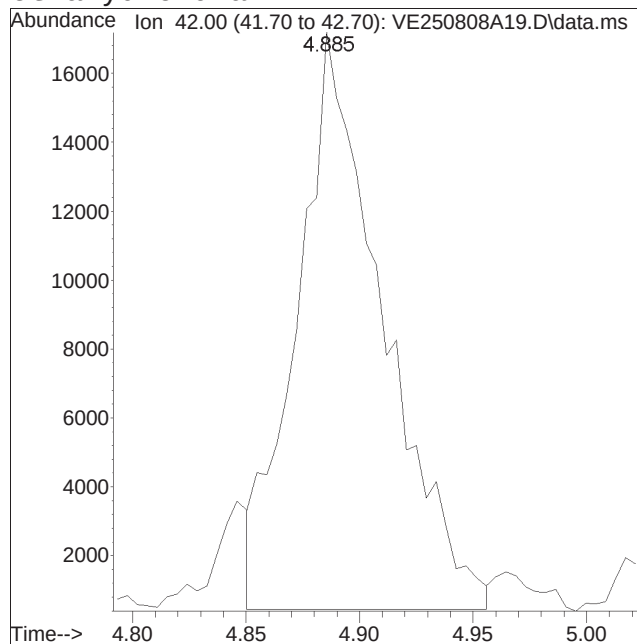
Data Path : K:\Elaine\2025\250808AICAL\ : Elaine_250808A_8260.m
Data File : VE250808A19.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 8:00 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 8/11/2025 8:01 am

Compound #38: Tetrahydrofuran



Original Peak Response = 48512

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

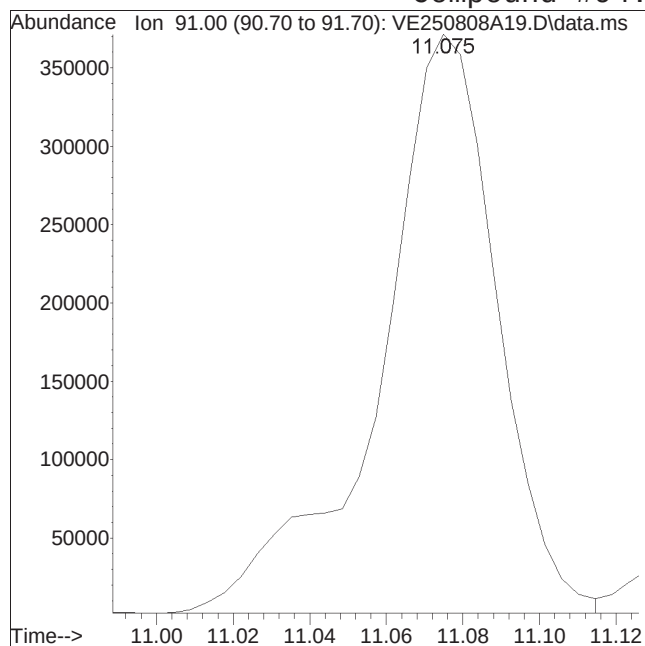


Manual Peak Response = 44089 M6

Manual Integration Report

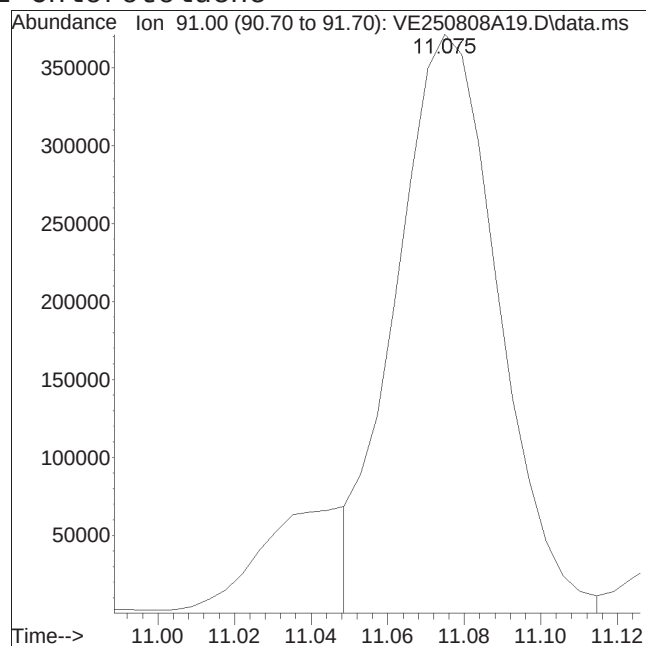
Data Path : K:\Elaine\2025\250808AICALQ Method : Elaine_250808A_8260.m
Data File : VE250808A19.D Operator : ELAINE:PID
Date Inj'd : 8/8/2025 8:00 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 8/11/2025 8:01 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 784916

M6 = Misassignment of peak valley by



Manual Peak Response = 689679 M6

automated integration (poor split of

2 peaks).

Method Path : K:\Elaine\2025\250808AICAL\
Method File : Elaine_250808A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Aug 11 08:01:29 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
14	TP Acrolein	L	ug/L	10.0	10.264	2.6	2.00	2.115	5.8
15	TP Methylene chloride	L	ug/L	10.0	10.524	5.2	0.50	0.440	-12.0
17	TP Acetone	L	ug/L	10.0	9.511	-4.9	2.00	2.101	5.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
14	TP Acrolein	Linear	0.998606	0.000000	0.0336172	0.00481351
15	TP Methylene chloride	Linear	0.999661	0.000000	0.211937	0.00958074
17	TP Acetone	Linear	0.999745	0.000000	0.0456611	0.00705209

Response Factor Report VOA105

Method Path : K:\VOA105\2025\250816BICAL\
Method File : V105_250816B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Aug 17 13:47:41 2025
Response Via : Initial Calibration

Calibration Files

L11 =V05250816B04.D L1 =V05250816B05.D L2 =V05250816B07.D L3 =V05250816B09.D L4 =V05250816B10.D
L6 =V05250816B11.D L8 =V05250816B12.D L10 =V05250816B13.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
		-----ISTD-----									
1) I	Fluorobenzene		0.267	0.324	0.364	0.349	0.338	0.339	0.320	0.329	9.38
2) TP	Dichlorodifluo...		0.205	0.224	0.261	0.267	0.277	0.309	0.315	0.265	15.28
3) TP	Chloromethane										10.44
4) TP	Vinyl chloride	0.264	0.254	0.287	0.328	0.325	0.321	0.338	0.323	0.305	19.25
5) TP	Bromomethane		0.114	0.091	0.121	0.138	0.148	0.159	0.160	0.133	12.91
6) TP	Chloroethane		0.220	0.179	0.186	0.174	0.168	0.165	0.146	0.177	7.48
7) TP	Trichlorofluor...		0.461	0.475	0.547	0.523	0.490	0.479	0.440	0.488	5.35
8) TP	Ethyl ether		0.103	0.121	0.120	0.118	0.116	0.118	0.112	0.115	5.96
10) TP	1,1-Dichloroet...		0.188	0.206	0.230	0.216	0.208	0.211	0.208	0.210	3.53
11) TP	Carbon disulfide		0.688	0.681	0.755	0.722	0.719	0.722	0.701	0.713	12.18
12) TP	Freon-113		0.168	0.221	0.252	0.243	0.233	0.234	0.227	0.225	-1.00
13) TP	Iodomethane								0.000#		6.79
14) TP	Acrolein		0.037	0.033	0.040	0.040	0.039	0.040	0.039	0.038	0.9999
15) TP	Methylene chlo...		0.432	0.278	0.260	0.246	0.237	0.237	0.239	*L	9.69
17) TP	Acetone			0.055	0.046	0.047	0.045	0.044	0.042	0.047	4.17
18) TP	trans-1,2-Dich...		0.227	0.227	0.253	0.250	0.239	0.240	0.241	0.240	12.48
19) TP	Methyl acetate			0.087	0.119	0.126	0.122	0.121	0.111	0.114	10.06
20) TP	Methyl tert-bu...		0.523	0.516	0.642	0.656	0.648	0.644	0.623	0.608	14.04
21) TP	tert-Butyl alc...			0.010	0.013	0.014	0.014	0.014	0.014	0.013	11.81
22) TP	Diisopropyl ether		0.731	0.690	0.917	0.948	0.918	0.892	0.842	0.848	5.28
23) TP	1,1-Dichloroet...		0.549	0.551	0.612	0.582	0.550	0.541	0.523	0.558	7.53
24) TP	Halothane		0.148	0.159	0.187	0.176	0.172	0.175	0.177	0.170	12.66
25) TP	Acrylonitrile			0.051	0.071	0.073	0.073	0.072	0.069	0.068	15.04
26) TP	Ethyl tert-but...		0.559	0.618	0.790	0.838	0.830	0.820	0.790	0.749	0.9991
27) TP	Vinyl acetate			0.244	0.389	0.458	0.462	0.464	0.442	*L	4.34
28) TP	cis-1,2-Dichlo...		0.256	0.247	0.283	0.273	0.266	0.267	0.264	0.265	7.87
29) TP	2,2-Dichloropr...		0.391	0.417	0.493	0.475	0.461	0.451	0.431	0.446	9.01
30) TP	Bromochloromet...		0.109	0.117	0.121	0.118	0.103	0.101	0.095	0.109	16.50
31) TP	Cyclohexane		0.367	0.475	0.620	0.608	0.571	0.572	0.562	0.539	5.16
32) TP	Chloroform		0.527	0.514	0.555	0.523	0.501	0.494	0.473	0.512	16.19
33) TP	Ethyl acetate			0.112	0.167	0.181	0.183	0.179	0.170	0.165	

Response Factor Report VOA105

Method Path : K:\VOA105\2025\250816BICAL\
 Method File : V105_250816B_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Sun Aug 17 13:47:41 2025
 Response Via : Initial Calibration

Calibration Files

L11 =V05250816B04.D L1 =V05250816B05.D L2 =V05250816B07.D L3 =V05250816B09.D L4 =V05250816B10.D
 L6 =V05250816B11.D L8 =V05250816B12.D L10 =V05250816B13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD

34) TP Carbon tetrach...	0.405	0.380	0.412	0.491	0.467	0.456	0.449	0.432	0.436	8.31
35) TP Tetrahydrofuran			0.045	0.058	0.060	0.057	0.055	0.052	0.055	9.89
36) S Dibromofluorom...	0.297	0.306	0.302	0.288	0.282	0.271	0.269	0.262	0.285	5.73
37) TP 1,1,1-Trichlor...	0.391	0.391	0.465	0.543	0.512	0.491	0.487	0.464	0.479	9.92
39) TP 2-Butanone			0.050	0.069	0.076	0.076	0.077	0.071	0.070	14.61
40) TP 1,1-Dichloropr...	0.270	0.313	0.382	0.376	0.376	0.368	0.370	0.365	0.349	11.93
41) TP Benzene	0.868	0.857	0.989	1.100	1.093	1.062	1.073	1.067	1.014	9.75
42) TP tert-Amyl meth...	0.420	0.422	0.547	0.591	0.602	0.612	0.607	0.543	15.83	
43) S 1,2-Dichloroet...	0.415	0.438	0.434	0.437	0.409	0.391	0.373	0.363	0.407	7.19
44) TP 1,2-Dichloroet...	0.402	0.425	0.399	0.441	0.427	0.404	0.389	0.359	0.405	6.31
47) TP Methyl cyclohe...			0.342	0.442	0.444	0.438	0.454	0.462	0.430	10.26
48) TP Trichloroethene	0.248	0.271	0.266	0.293	0.282	0.276	0.278	0.273	0.274	4.75
50) TP Dibromomethane	0.135	0.137	0.153	0.149	0.149	0.146	0.148	0.145	0.145	4.43
51) TP 1,2-Dichloropr...	0.264	0.260	0.303	0.296	0.296	0.291	0.295	0.290	0.285	5.89
53) TP 2-Chloroethyl ...			0.075	0.097	0.110	0.111	0.114	0.112	0.103	14.47
54) TP Bromodichlorom...	0.354	0.375	0.402	0.398	0.398	0.395	0.392	0.378	0.385	4.39
57) TP 1,4-Dioxane	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	13.21
58) TP cis-1,3-Dichlo...	0.253	0.320	0.307	0.406	0.424	0.428	0.437	0.430	0.376	19.00

-----ISTD-----										
59) I Chlorobenzene-d5	1.319	1.312	1.348	1.334	1.329	1.328	1.324	1.321	1.327	0.82
60) S Toluene-d8	0.807	0.781	0.861	0.857	0.844	0.844	0.829	0.826	0.829	3.44
61) TP Toluene			0.054	0.079	0.088	0.092	0.091	0.089	0.082	17.94
62) TP 4-Methyl-2-pen...	0.353	0.285	0.341	0.391	0.389	0.381	0.377	0.371	0.361	9.73
63) TP Tetrachloroethene	0.261	0.290	0.372	0.458	0.498	0.503	0.490	0.478	*L	0.9993
65) TP trans-1,3-Dich...			0.204	0.265	0.304	0.309	0.310	0.309	0.283	15.10
67) TP Ethyl methacry...	0.194	0.176	0.202	0.206	0.206	0.204	0.202	0.200	0.198#	5.29
68) TP 1,1,2-Trichlor...	0.244	0.278	0.318	0.334	0.337	0.337	0.332	0.326	0.310	11.42
69) TP Chlorodibromom...	0.362	0.406	0.455	0.465	0.463	0.463	0.456	0.449	0.436	8.86
70) TP 1,3-Dichloropr...	0.178	0.198	0.234	0.241	0.242	0.240	0.240	0.240	0.225	11.47
71) TP 1,2-Dibromoethane			0.085	0.119	0.136	0.145	0.140	0.137	0.127	17.69
72) TP 2-Hexanone	0.799	0.813	0.921	0.897	0.900	0.889	0.881	0.872		5.35
73) TP Chlorobenzene										

Response Factor Report VOA105

Method Path : K:\VOA105\2025\250816BICAL\
Method File : V105_250816B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Aug 17 13:47:41 2025
Response Via : Initial Calibration

Calibration Files

L11 =V05250816B04.D L1 =V05250816B05.D L2 =V05250816B07.D L3 =V05250816B09.D L4 =V05250816B10.D
L6 =V05250816B11.D L8 =V05250816B12.D L10 =V05250816B13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74) TP Ethylbenzene	1.362	1.467	1.769	1.763	1.736	1.708	1.661	1.638	9.76	
75) TP 1,1,1,2-Tetrac...	0.280	0.288	0.340	0.348	0.347	0.339	0.329	0.325	8.71	
76) TP p/m Xylene	0.452	0.541	0.633	0.616	0.610	0.602	0.586	0.577	10.85	
77) TP o Xylene	0.425	0.494	0.587	0.591	0.591	0.574	0.559	0.546	11.60	
78) TP Styrene	0.659	0.798	0.979	0.990	0.983	0.965	0.926	0.900	13.94	
-----ISTD-----										
79) I 1,4-Dichlorobenzene-d4										
80) TP Bromoform	0.266	0.275	0.344	0.361	0.359	0.372	0.372	0.336	13.55	
82) TP Isopropylbenzene	1.875	2.349	2.977	3.101	2.985	2.934	2.977	2.743	16.58	
83) S 4-Bromofluorob...	0.904	0.877	0.915	0.936	0.917	0.875	0.923	0.909	2.46	
84) TP Bromobenzene	0.592	0.588	0.655	0.654	0.631	0.656	0.660	0.634	4.95	
85) TP n-Propylbenzene	2.385	2.829	3.551	3.466	3.365	3.514	3.506	3.231	13.89	
86) TP 1,4-Dichlorobu...	0.726	0.840	0.955	0.954	0.908	0.920	0.892	0.885	9.09	
87) TP 1,1,2,2-Tetrac...	0.361	0.385	0.397	0.461	0.473	0.465	0.490	0.441	11.70	
88) TP 4-Ethyltoluene	1.909	2.318	2.872	2.804	2.712	2.822	2.812	2.607	13.82	
89) TP 2-Chlorotoluene	1.717	1.906	2.236	2.066	1.996	2.083	2.083	2.012	8.16	
90) TP 1,3,5-Trimethy...	1.780	2.113	2.543	2.450	2.371	2.429	2.425	2.302	11.55	
91) TP 1,2,3-Trichlor...	0.390	0.374	0.422	0.430	0.414	0.428	0.424	0.412	5.26	
92) TP trans-1,4-Dich...		0.139	0.158	0.176	0.169	0.172	0.166	0.163	8.31	
93) TP 4-Chlorotoluene	1.710	2.004	2.229	2.199	2.130	2.211	2.185	2.095	8.88	
94) TP tert-Butylbenzene	1.278	1.575	1.956	1.946	1.916	1.989	1.984	1.806	15.19	
97) TP 1,2,4-Trimethy...	1.447	1.963	2.495	2.438	2.362	2.418	2.376	2.214	17.21	
98) TP sec-Butylbenzene	1.768	2.395	3.023	2.957	2.907	3.031	2.995	2.725	17.52	
99) TP p-Isopropyltol...	1.354	1.891	2.457	2.404	2.371	2.469	2.436	2.197	19.27	
100) TP 1,3-Dichlorobe...	1.038	1.097	1.253	1.222	1.200	1.227	1.199	1.177	6.69	
101) TP 1,4-Dichlorobe...	1.125	1.128	1.232	1.241	1.204	1.234	1.200	1.195	4.12	
102) TP p-Diethylbenzene	0.803	1.049	1.407	1.398	1.401	1.434	1.409	1.272	19.40	
103) TP n-Butylbenzene	1.213	1.794	2.279	2.241	2.213	2.261	2.208	2.030	19.58	
104) TP 1,2-Dichlorobe...	0.911	0.984	1.123	1.106	1.094	1.111	1.079	1.058	7.54	
105) TP 1,2,4,5-Tetram...		1.370	2.003	2.117	2.192	2.235	2.175	2.015	16.18	
106) TP 1,2-Dibromo-3-...	0.058	0.068	0.073	0.077	0.082	0.085	0.082	0.075	12.48	
107) TP 1,3,5-Trichlor...	0.663	0.780	0.933	0.938	0.935	0.936	0.902	0.870	12.32	

Response Factor Report VOA105

Method Path : K:\VOA105\2025\250816BICAL\
Method File : V105_250816B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sun Aug 17 13:47:41 2025
Response Via : Initial Calibration

Calibration Files

L11 =V05250816B04.D L1 =V05250816B05.D L2 =V05250816B07.D L3 =V05250816B09.D L4 =V05250816B10.D
L6 =V05250816B11.D L8 =V05250816B12.D L10 =V05250816B13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108) TP Hexachlorobuta...	0.273	0.335	0.399	0.389	0.401	0.403	0.390	0.370	13.18	
109) TP 1,2,4-Trichlor...	0.503	0.623	0.779	0.803	0.811	0.816	0.777	0.730	16.48	
110) TP Naphthalene	0.882	0.969	1.389	1.484	1.519	1.553	1.502 *L		0.9994	
111) TP 1,2,3-Trichlor...	0.513	0.503	0.677	0.674	0.680	0.694	0.658	0.628	13.22	

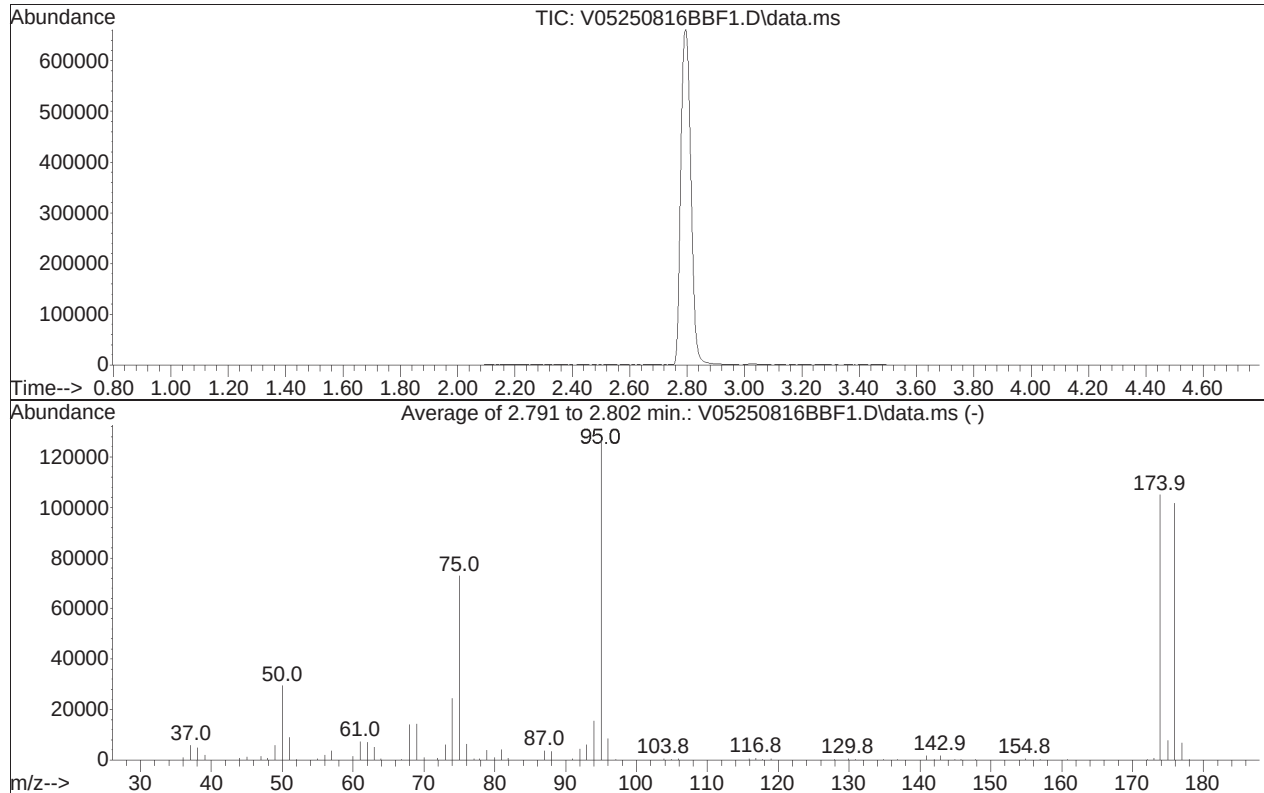
(#) = Out of Range

BFB

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816BBF1.D
 Acq On : 16 Aug 2025 11:14 am
 Operator : VOA105:PID
 Sample : WG2103935-1
 Misc : WG2103935
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Sun Aug 17 13:47:41 2025



AutoFind: Scans 129, 130, 131; Background Corrected with Scan 119

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	29400	PASS
75	95	30	60	57.7	72912	PASS
95	95	100	100	100.0	126451	PASS
96	95	5	9	6.8	8567	PASS
173	174	0.00	2	0.7	764	PASS
174	95	50	100	83.2	105187	PASS
175	174	5	9	7.4	7829	PASS
176	174	95	101	96.7	101715	PASS
177	176	5	9	6.6	6697	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B04.D
 Acq On : 16 Aug 2025 12:48 pm
 Operator : VOA105:PID
 Sample : I8260STD0.19PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 17 13:40:30 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	297937	10.000	ug/L	0.00
Standard Area 1 = 321270			Recovery	=	92.74%	
59) Chlorobenzene-d5	8.984	117	219055	10.000	ug/L	0.00
Standard Area 1 = 246189			Recovery	=	88.98%	
79) 1,4-Dichlorobenzene-d4	11.797	152	128248	10.000	ug/L	0.00
Standard Area 1 = 142285			Recovery	=	90.13%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	88475	10.432	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	104.32%	
43) 1,2-Dichloroethane-d4	5.238	65	123552	10.179	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.79%	
60) Toluene-d8	7.164	98	288924	9.941	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.41%	
83) 4-Bromofluorobenzene	10.538	95	115984	9.951	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.51%	
Target Compounds						
						Qvalue
4) Vinyl chloride	1.650	62	1496	0.165	ug/L #	49
34) Carbon tetrachloride	4.670	117	2292	0.176	ug/L #	91
41) Benzene	5.104	78	4915	0.163	ug/L #	79
44) 1,2-Dichloroethane	5.322	62	2274	0.188	ug/L #	94
48) Trichloroethene	5.689	95	1404	0.172	ug/L	93
58) cis-1,3-Dichloropropene	6.981	75	1431	0.128	ug/L #	77
63) Tetrachloroethene	7.658	166	1471	0.186	ug/L	97
65) trans-1,3-Dichloropropene	7.735	75	1088	0.119	ug/L #	74
87) 1,1,2,2-Tetrachloroethane	10.806	83	879	0.156	ug/L #	92

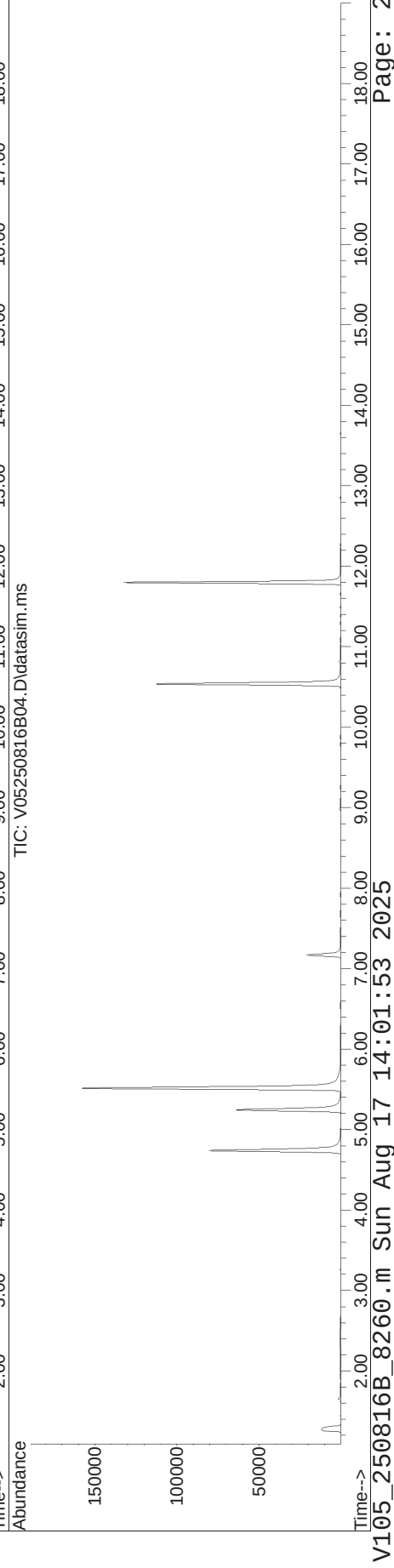
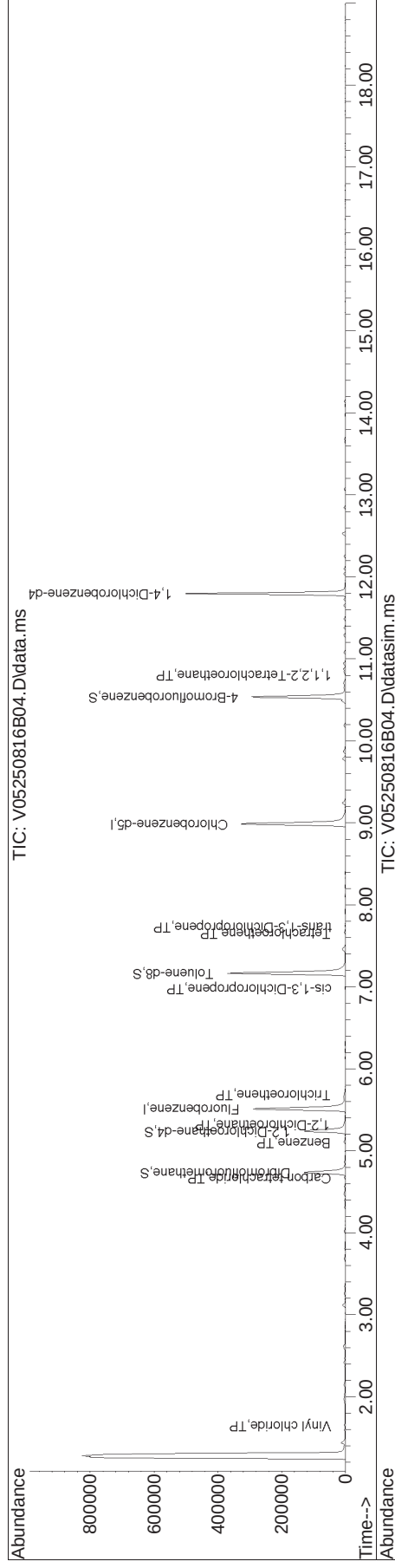
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B04.D
 Acq On : 16 Aug 2025 12:48 pm
 Operator : VOA105:PID
 Sample : I8260STD0.19PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 17 13:40:30 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 Qlast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

60ALLISTE(s) : 8260KL1VON105W20251250816BICAL\V05250816B09.D•



Manual Integration Report

Data Path	: K:\VOA105\2025\250816BICAL\		
Data File	: V05250816B04.D	Operator	: VOA105:PID
Date Inj'd	: 8/16/2025 12:48 pm	Instrument	: VOA105
Sample	: I8260STD0.19PPB	Quant Date	: 8/17/2025 1:40 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B05.D
 Acq On : 16 Aug 2025 1:14 pm
 Operator : VOA105:PID
 Sample : I8260STD0.5PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 13:40:37 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	298548	10.000	ug/L	0.00
Standard Area 1 = 321270			Recovery =	92.93%		
59) Chlorobenzene-d5	8.992	117	225671	10.000	ug/L	0.00
Standard Area 1 = 246189			Recovery =	91.67%		
79) 1,4-Dichlorobenzene-d4	11.797	152	136142	10.000	ug/L	0.00
Standard Area 1 = 142285			Recovery =	95.68%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	91248	10.737	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.37%		
43) 1,2-Dichloroethane-d4	5.238	65	130874	10.760	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.60%		
60) Toluene-d8	7.164	98	295978	9.885	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.85%		
83) 4-Bromofluorobenzene	10.531	95	119377	9.648	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.48%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.431	85	3992	0.407	ug/L	# 89
3) Chloromethane	1.602	50	3056M6	0.386	ug/L	
4) Vinyl chloride	1.650	62	3797	0.417	ug/L	80
5) Bromomethane	1.925	94	1696	0.428	ug/L	85
6) Chloroethane	2.021	64	3286	0.622	ug/L	83
7) Trichlorofluoromethane	2.151	101	6886	0.473	ug/L	92
8) Ethyl ether	2.419	74	1542	0.447	ug/L	# 71
10) 1,1-Dichloroethene	2.597	96	2808	0.449	ug/L	95
11) Carbon disulfide	2.618	76	10269	0.483	ug/L	91
12) Freon-113	2.618	101	2501	0.372	ug/L	# 56
13) Iodomethane	2.755	142	256M6	0.139	ug/L	
14) Acrolein	2.899	56	549	0.482	ug/L	# 44
15) Methylene chloride	3.112	84	6443	0.783	ug/L	94
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	3.263	96	3393	0.474	ug/L	97
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.339	73	7806	0.430	ug/L	# 76
21) tert-Butyl alcohol	0.000		0	N.D.	d	
22) Diisopropyl ether	3.682	45	10908	0.431	ug/L	96
23) 1,1-Dichloroethane	3.812	63	8189	0.491	ug/L	96
24) Halothane	3.874	117	2212	0.435	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B05.D
 Acq On : 16 Aug 2025 1:14 pm
 Operator : VOA105:PID
 Sample : I8260STD0.5PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 13:40:37 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

25) Acrylonitrile	0.000		0	N.D.	d	
26) Ethyl tert-butyl ether	4.011	59	8342	0.373	ug/L #	73
27) Vinyl acetate	0.000		0	N.D.	d	
28) cis-1,2-Dichloroethene	4.313	96	3815	0.482	ug/L	94
29) 2,2-Dichloropropane	4.396	77	5834	0.438	ug/L	95
30) Bromochloromethane	4.492	128	1627	0.500	ug/L	82
31) Cyclohexane	4.471	56	5484	0.341	ug/L	98
32) Chloroform	4.567	83	7874	0.515	ug/L	99
33) Ethyl acetate	0.000		0	N.D.	d	
34) Carbon tetrachloride	4.677	117	5673	0.435	ug/L	99
35) Tetrahydrofuran	0.000		0	N.D.	d	
37) 1,1,1-Trichloroethane	4.739	97	5832	0.408	ug/L	88
39) 2-Butanone	0.000		0	N.D.	d	
40) 1,1-Dichloropropene	4.863	75	4029	0.386	ug/L	93
41) Benzene	5.104	78	12800	0.423	ug/L	99
42) tert-Amyl methyl ether	5.217	73	6276	0.387	ug/L	95
44) 1,2-Dichloroethane	5.316	62	6340	0.524	ug/L	96
47) Methyl cyclohexane	5.654	83	3188	0.267	ug/L #	76
48) Trichloroethene	5.690	95	4052	0.496	ug/L #	82
50) Dibromomethane	6.120	93	2015	0.466	ug/L	95
51) 1,2-Dichloropropane	6.212	63	3940	0.462	ug/L	92
53) 2-Chloroethyl vinyl ether	0.000		0	N.D.	d	
54) Bromodichloromethane	6.297	83	5283	0.460	ug/L #	94
57) 1,4-Dioxane	6.515	88	2714	78.013	ug/L #	89
58) cis-1,3-Dichloropropene	6.988	75	4780	0.426	ug/L	99
61) Toluene	7.235	92	9103	0.487	ug/L	95
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
63) Tetrachloroethene	7.658	166	3220	0.395	ug/L	99
65) trans-1,3-Dichloropropene	7.736	75	3276	0.346	ug/L	94
67) Ethyl methacrylate	7.926	69	1812	0.302	ug/L #	66
68) 1,1,2-Trichloroethane	7.905	83	2187	0.491	ug/L #	73
69) Chlorodibromomethane	8.110	129	2750	0.393	ug/L	99
70) 1,3-Dichloropropane	8.216	76	4080	0.414	ug/L	97
71) 1,2-Dibromoethane	8.378	107	2010	0.396	ug/L	99
72) 2-Hexanone	0.000		0	N.D.	d	
73) Chlorobenzene	9.006	112	9015	0.458	ug/L #	78
74) Ethylbenzene	9.055	91	15365	0.416	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.091	131	3164	0.432	ug/L #	89
76) p/m Xylene	9.239	106	10193	0.783	ug/L	98
77) o Xylene	9.775	106	9585	0.778	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B05.D
 Acq On : 16 Aug 2025 1:14 pm
 Operator : VOA105:PID
 Sample : I8260STD0.5PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 13:40:37 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.860	104	14880	0.733	ug/L	96
80)	Bromoform	9.881	173	1813	0.397	ug/L	93
82)	Isopropylbenzene	10.184	105	12763M6	0.342	ug/L	
84)	Bromobenzene	10.658	156	4028	0.467	ug/L	96
85)	n-Propylbenzene	10.701	91	16238	0.369	ug/L	98
86)	1,4-Dichlorobutane	10.729	55	4942	0.410	ug/L	93
87)	1,1,2,2-Tetrachloroethane	10.814	83	2621	0.437	ug/L	94
88)	4-Ethyltoluene	10.835	105	12994	0.366	ug/L	98
89)	2-Chlorotoluene	10.878	91	11685M6	0.427	ug/L	
90)	1,3,5-Trimethylbenzene	10.934	105	12118	0.387	ug/L	97
91)	1,2,3-Trichloropropane	10.955	75	2653	0.473	ug/L	90
92)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
93)	4-Chlorotoluene	11.069	91	11642	0.408	ug/L	98
94)	tert-Butylbenzene	11.288	119	8699	0.354	ug/L	95
97)	1,2,4-Trimethylbenzene	11.380	105	9847	0.327	ug/L	98
98)	sec-Butylbenzene	11.486	105	12034	0.324	ug/L	100
99)	p-Isopropyltoluene	11.649	119	9216	0.308	ug/L	98
100)	1,3-Dichlorobenzene	11.719	146	7065	0.441	ug/L	97
101)	1,4-Dichlorobenzene	11.811	146	7656M3	0.471	ug/L	
102)	p-Diethylbenzene	12.038	119	5469	0.316	ug/L	99
103)	n-Butylbenzene	12.094	91	8256	0.299	ug/L	92
104)	1,2-Dichlorobenzene	12.250	146	6199	0.430	ug/L	97
105)	1,2,4,5-Tetramethylben...	12.844	119	7636	0.297	ug/L	94
106)	1,2-Dibromo-3-chloropr...	13.042	155	398	0.390	ug/L #	70
107)	1,3,5-Trichlorobenzene	13.077	180	4516	0.381	ug/L	97
108)	Hexachlorobutadiene	13.643	225	1858	0.369	ug/L	98
109)	1,2,4-Trichlorobenzene	13.679	180	3424	0.344	ug/L	99
110)	Naphthalene	13.976	128	6002	0.332	ug/L	100
111)	1,2,3-Trichlorobenzene	14.138	180	3492	0.408	ug/L	93

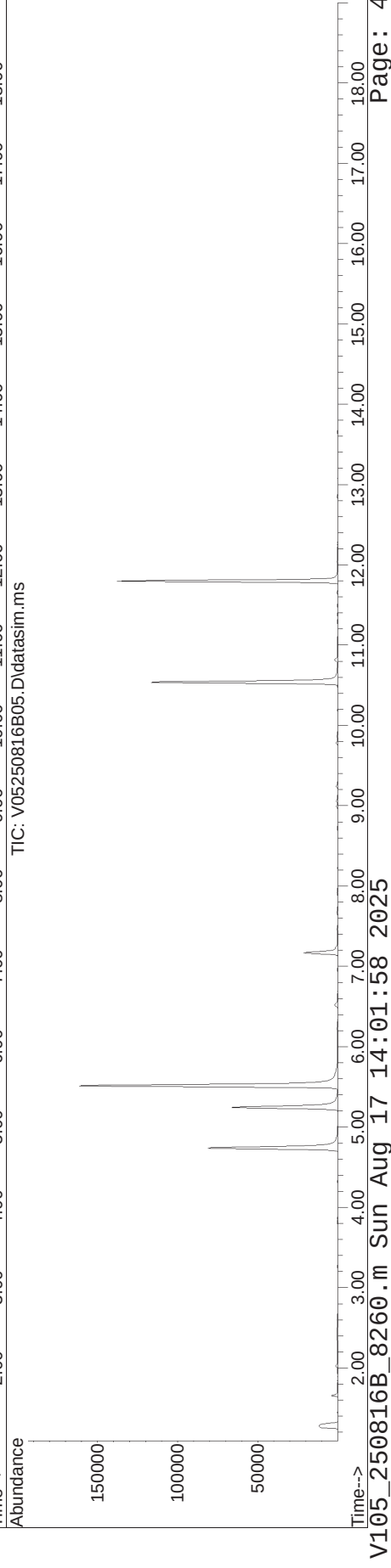
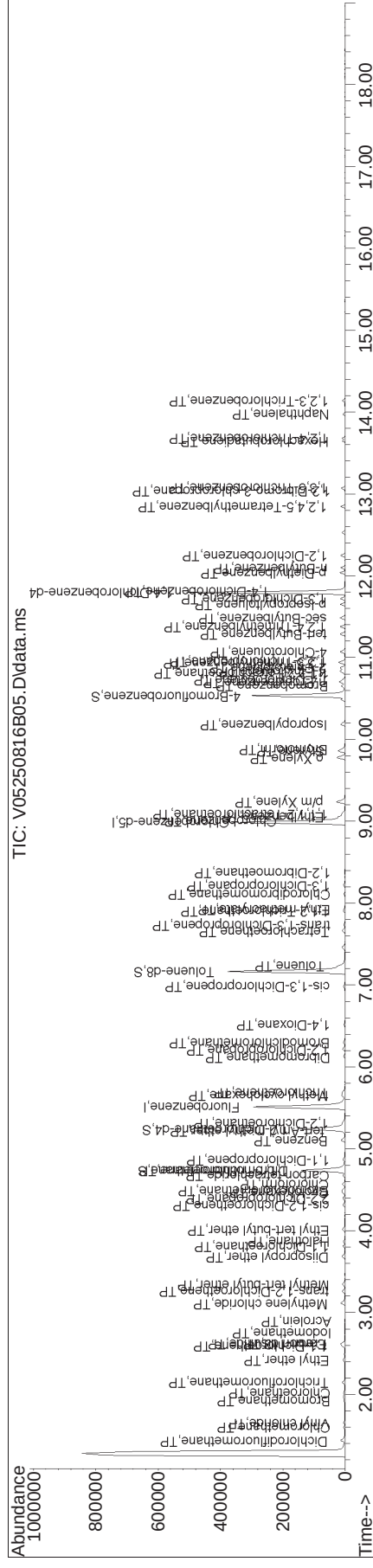
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

Data Path : K:\VOA105\2025\250816BICAL\
Data File : V05250816B05.D
Acq On : 16 Aug 2025 1:14 pm
Operator : VOA105:PID
Sample : I8260STD0.5PPB
Misc : WG2103935,ICAL (Sig #1); WG
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 17 13:40:37 2025
Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:40:07 2025
Response via : Initial Calibration

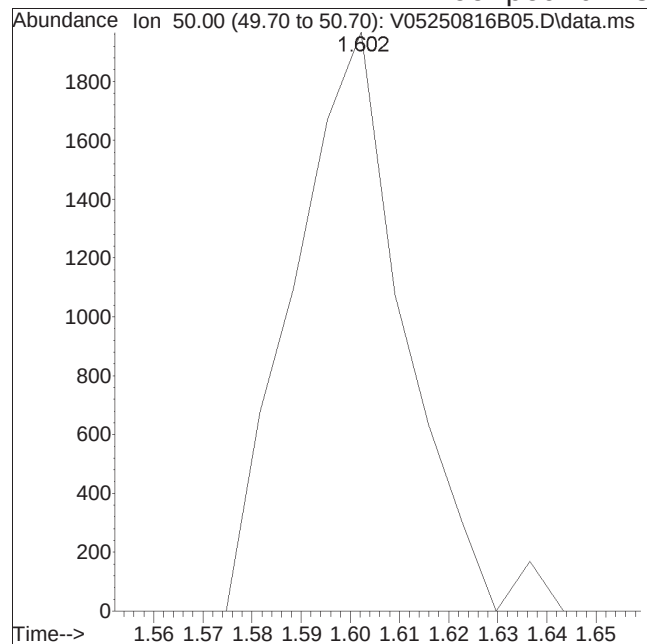
SOALL\$E(S) : 8260KCN\0A105M29250816B09\05250816B09.D•



Manual Integration Report

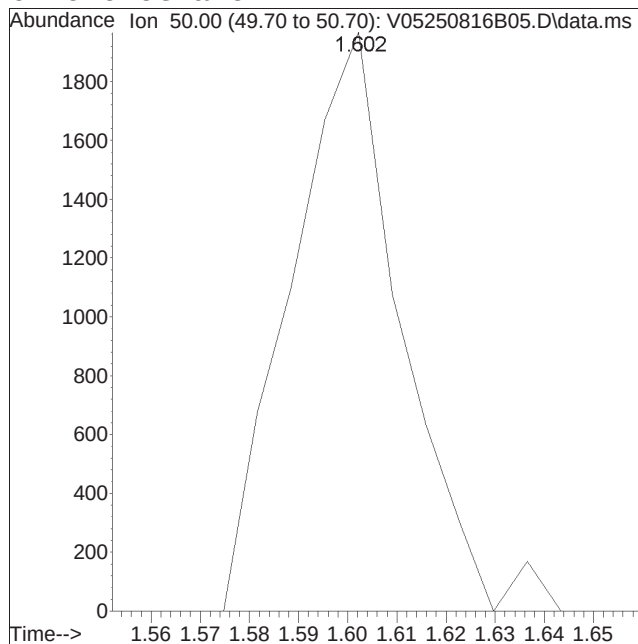
Data Path : K:\VOA105\2025\250816BICALQMethod : V105_250816B_8260.m
Data File : V05250816B05.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 1:14 pm Instrument : VOA105
Sample : I8260STD0.5PPB Quant Date : 8/17/2025 1:40 pm

Compound #3: Chloromethane



Original Peak Response = 3125

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

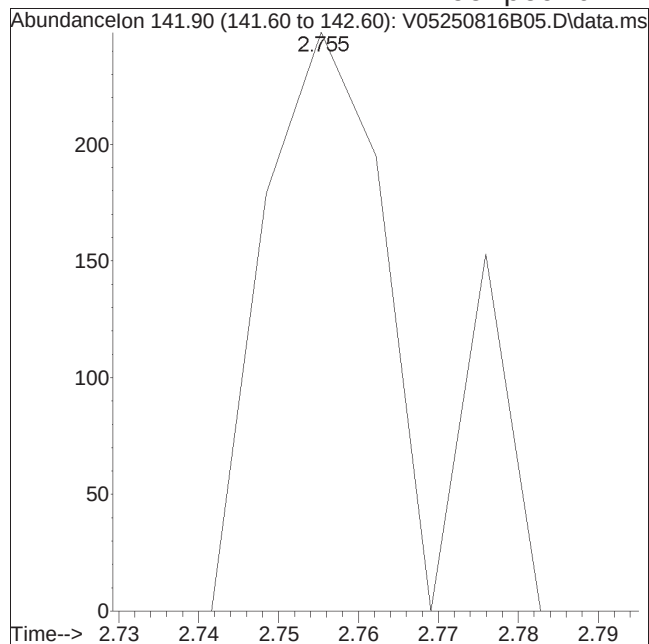


Manual Peak Response = 3056 M6

Manual Integration Report

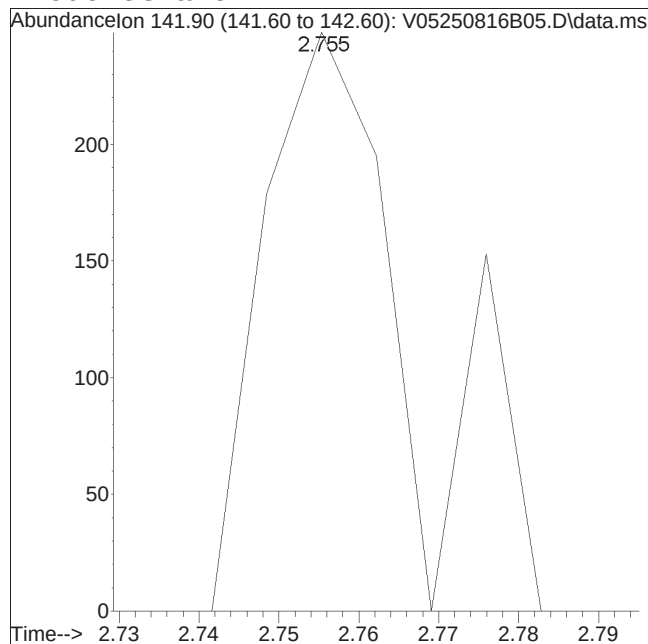
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Data File : V05250816B05.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 1:14 pm Instrument : VOA105
Sample : I8260STD0.5PPB Quant Date : 8/17/2025 1:40 pm

Compound #13: Iodomethane



Original Peak Response = 319

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

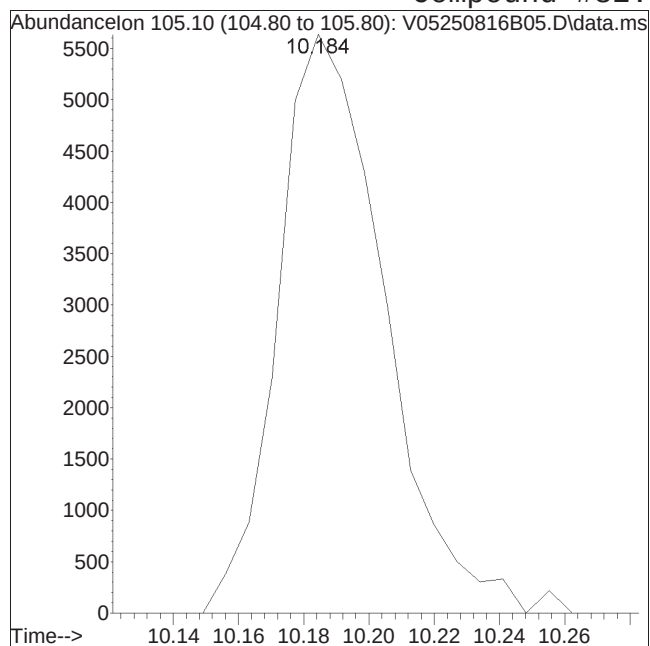


Manual Peak Response = 256 M6

Manual Integration Report

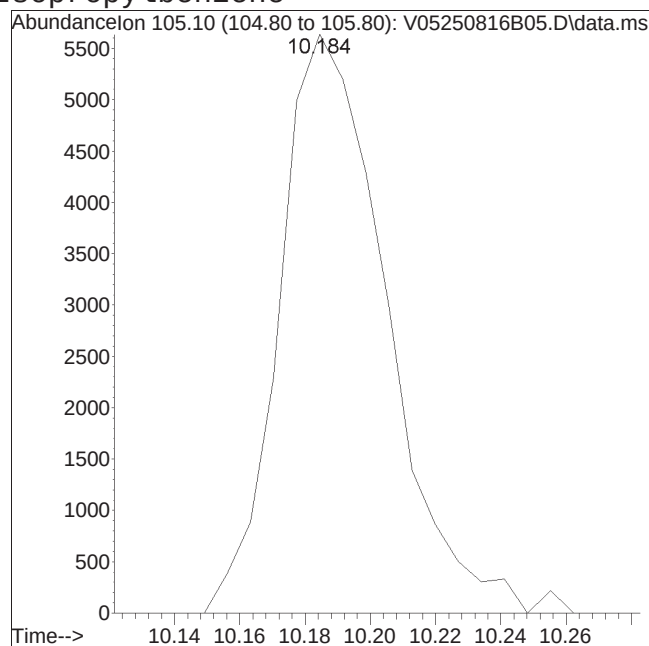
Data Path : K:\V0A105\2025\250816BICALQ Method : V105_250816B_8260.m
Data File : V05250816B05.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 1:14 pm Instrument : V0A105
Sample : I8260STD0.5PPB Quant Date : 8/17/2025 1:40 pm

Compound #82: Isopropylbenzene



Original Peak Response = 12855

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



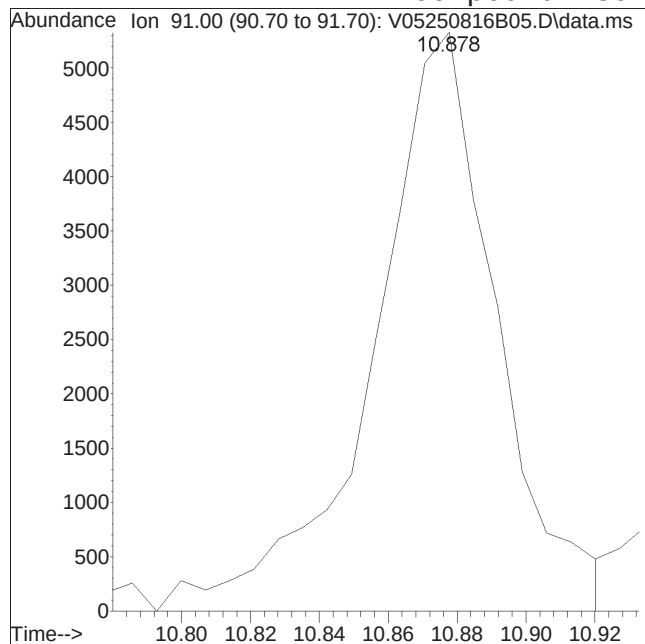
Manual Peak Response = 12763 M6

Manual Integration Report

Data Path : K:\VOA105\2025\250816BICALQ
Data File : V05250816B05.D
Date Inj'd : 8/16/2025 1:14 pm
Sample : I8260STD0.5PPB

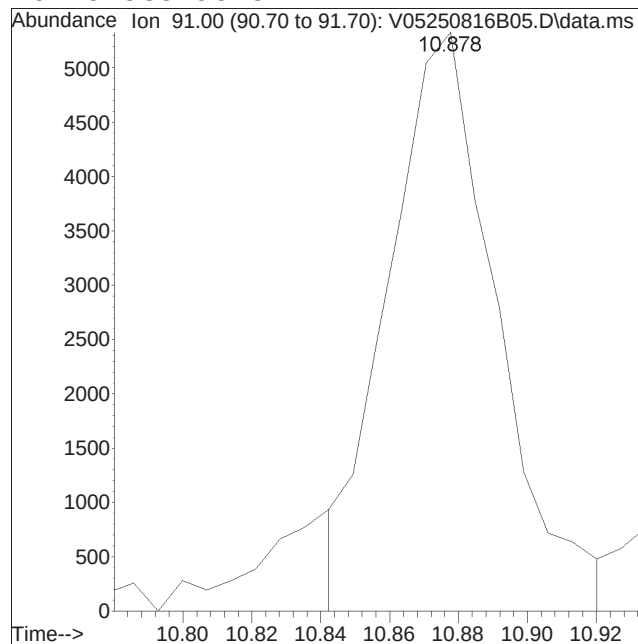
Method : V105_250816B_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 8/17/2025 1:40 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 13176

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

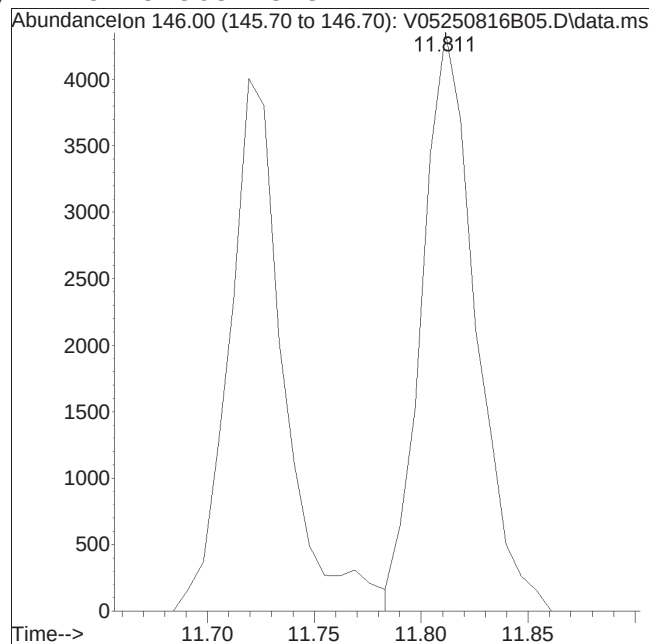
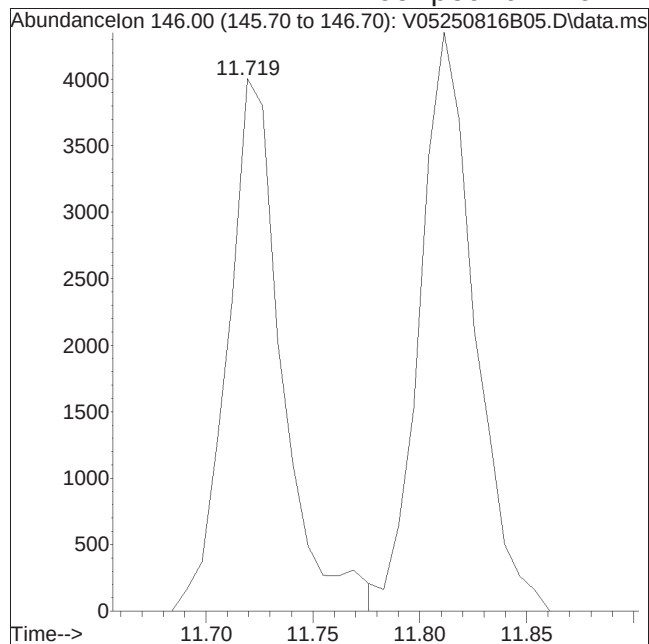


Manual Peak Response = 11685 M6

Manual Integration Report

Data Path : K:\VOA105\2025\250816BICAL
Data File : V05250816B05.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 1:14 pm Instrument : VOA105
Sample : I8260STD0.5PPB Quant Date : 8/17/2025 1:40 pm

Compound #101: 1,4-Dichlorobenzene



Original Peak Response = 7065

Manual Peak Response = 7656 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B07.D
 Acq On : 16 Aug 2025 2:05 pm
 Operator : VOA105:PID
 Sample : I8260STD2PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 13:40:44 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	307622	10.000	ug/L	0.00
Standard Area 1 = 321270			Recovery	=	95.75%	
59) Chlorobenzene-d5	8.985	117	225992	10.000	ug/L	0.00
Standard Area 1 = 246189			Recovery	=	91.80%	
79) 1,4-Dichlorobenzene-d4	11.797	152	135343	10.000	ug/L	0.00
Standard Area 1 = 142285			Recovery	=	95.12%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	93003	10.621	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	106.21%	
43) 1,2-Dichloroethane-d4	5.245	65	133373	10.642	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	106.42%	
60) Toluene-d8	7.164	98	304584	10.158	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.58%	
83) 4-Bromofluorobenzene	10.538	95	123808	10.065	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.65%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.431	85	19961	1.974	ug/L	98
3) Chloromethane	1.595	50	13809	1.691	ug/L	98
4) Vinyl chloride	1.657	62	17645	1.881	ug/L	99
5) Bromomethane	1.925	94	5578	1.366	ug/L	98
6) Chloroethane	2.021	64	11008	2.023	ug/L	97
7) Trichlorofluoromethane	2.144	101	29213	1.947	ug/L	94
8) Ethyl ether	2.419	74	7447	2.097	ug/L	92
10) 1,1-Dichloroethene	2.591	96	12687	1.968	ug/L	98
11) Carbon disulfide	2.618	76	41883	1.911	ug/L	99
12) Freon-113	2.625	101	13592	1.961	ug/L	96
13) Iodomethane	2.755	142	1102	0.582	ug/L #	84
14) Acrolein	2.899	56	2027	1.726	ug/L #	82
15) Methylene chloride	3.119	84	17098	2.018	ug/L	97
17) Acetone	3.201	43	3388	2.365	ug/L #	84
18) trans-1,2-Dichloroethene	3.256	96	13994	1.896	ug/L	97
19) Methyl acetate	3.291	43	5348M6	1.520	ug/L	
20) Methyl tert-butyl ether	3.352	73	31734	1.698	ug/L	97
21) tert-Butyl alcohol	3.462	59	2926	7.260	ug/L #	79
22) Diisopropyl ether	3.682	45	42479	1.628	ug/L	94
23) 1,1-Dichloroethane	3.812	63	33882	1.973	ug/L	97
24) Halothane	3.860	117	9767	1.863	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B07.D
 Acq On : 16 Aug 2025 2:05 pm
 Operator : VOA105:PID
 Sample : I8260STD2PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 13:40:44 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.902	53	3120M6	1.489	ug/L	
26) Ethyl tert-butyl ether	4.011	59	38010	1.649	ug/L #	71
27) Vinyl acetate	4.059	43	15041M1	1.192	ug/L	
28) cis-1,2-Dichloroethene	4.313	96	15199	1.865	ug/L	99
29) 2,2-Dichloropropane	4.396	77	25663	1.872	ug/L	93
30) Bromochloromethane	4.492	128	7179	2.140	ug/L	99
31) Cyclohexane	4.471	56	29199	1.761	ug/L	97
32) Chloroform	4.567	83	31596	2.004	ug/L	99
33) Ethyl acetate	4.705	43	6907	1.358	ug/L #	91
34) Carbon tetrachloride	4.677	117	25356	1.889	ug/L	99
35) Tetrahydrofuran	4.725	42	2780M6	1.653	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	28623	1.943	ug/L	96
39) 2-Butanone	4.876	43	3087	1.435	ug/L	93
40) 1,1-Dichloropropene	4.863	75	19287	1.795	ug/L	95
41) Benzene	5.104	78	60867	1.952	ug/L	96
42) tert-Amyl methyl ether	5.217	73	25955	1.554	ug/L	94
44) 1,2-Dichloroethane	5.316	62	24531	1.967	ug/L	99
47) Methyl cyclohexane	5.654	83	21046	1.713	ug/L	99
48) Trichloroethene	5.683	95	16396	1.949	ug/L	97
50) Dibromomethane	6.120	93	8443	1.896	ug/L	98
51) 1,2-Dichloropropane	6.219	63	15966	1.818	ug/L	98
53) 2-Chloroethyl vinyl ether	6.932	63	4635	1.460	ug/L #	92
54) Bromodichloromethane	6.304	83	23089	1.950	ug/L	95
57) 1,4-Dioxane	6.508	88	12614	351.892	ug/L	99
58) cis-1,3-Dichloropropene	6.974	75	18867	1.633	ug/L	97
61) Toluene	7.228	92	35280	1.883	ug/L	99
62) 4-Methyl-2-pentanone	7.672	58	2429	1.308	ug/L #	79
63) Tetrachloroethene	7.665	166	15398	1.887	ug/L	99
65) trans-1,3-Dichloropropene	7.722	75	16803	1.775	ug/L	94
67) Ethyl methacrylate	7.919	69	9202M6	1.532	ug/L	
68) 1,1,2-Trichloroethane	7.898	83	7933	1.777	ug/L	96
69) Chlorodibromomethane	8.110	129	12572	1.795	ug/L	98
70) 1,3-Dichloropropane	8.216	76	18328	1.858	ug/L	98
71) 1,2-Dibromoethane	8.378	107	8960	1.764	ug/L	99
72) 2-Hexanone	8.688	43	3827	1.335	ug/L #	92
73) Chlorobenzene	9.006	112	36757	1.866	ug/L	94
74) Ethylbenzene	9.048	91	66284	1.791	ug/L	97
75) 1,1,1,2-Tetrachloroethane	9.091	131	13038	1.777	ug/L	93
76) p/m Xylene	9.232	106	48894	3.749	ug/L	96
77) o Xylene	9.775	106	44673	3.622	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B07.D
 Acq On : 16 Aug 2025 2:05 pm
 Operator : VOA105:PID
 Sample : I8260STD2PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 13:40:44 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.853	104	72116	3.546	ug/L	99
80)	Bromoform	9.881	173	7444	1.639	ug/L	99
82)	Isopropylbenzene	10.184	105	63597	1.713	ug/L	98
84)	Bromobenzene	10.651	156	15925	1.856	ug/L	98
85)	n-Propylbenzene	10.701	91	76569	1.751	ug/L	100
86)	1,4-Dichlorobutane	10.729	55	22727	1.897	ug/L	97
87)	1,1,2,2-Tetrachloroethane	10.814	83	10734	1.800	ug/L	95
88)	4-Ethyltoluene	10.835	105	62740	1.778	ug/L	100
89)	2-Chlorotoluene	10.871	91	51602M6	1.895	ug/L	
90)	1,3,5-Trimethylbenzene	10.941	105	57204	1.836	ug/L	99
91)	1,2,3-Trichloropropane	10.948	75	10113	1.815	ug/L	98
92)	trans-1,4-Dichloro-2-b...	11.019	53	3752M6	1.697	ug/L	
93)	4-Chlorotoluene	11.069	91	54236	1.912	ug/L	97
94)	tert-Butylbenzene	11.288	119	42628	1.744	ug/L	98
97)	1,2,4-Trimethylbenzene	11.373	105	53136	1.773	ug/L	99
98)	sec-Butylbenzene	11.486	105	64824	1.758	ug/L	99
99)	p-Isopropyltoluene	11.649	119	51193	1.721	ug/L	100
100)	1,3-Dichlorobenzene	11.719	146	29681	1.864	ug/L	99
101)	1,4-Dichlorobenzene	11.811	146	30533	1.888	ug/L	96
102)	p-Diethylbenzene	12.038	119	28395	1.650	ug/L	99
103)	n-Butylbenzene	12.094	91	48570	1.768	ug/L	97
104)	1,2-Dichlorobenzene	12.243	146	26648	1.860	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.844	119	37089	1.452	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.042	155	1830	1.806	ug/L #	75
107)	1,3,5-Trichlorobenzene	13.070	180	21124	1.795	ug/L	96
108)	Hexachlorobutadiene	13.650	225	9076	1.812	ug/L	98
109)	1,2,4-Trichlorobenzene	13.679	180	16864	1.706	ug/L	98
110)	Naphthalene	13.969	128	26220	1.459	ug/L	100
111)	1,2,3-Trichlorobenzene	14.138	180	13612	1.600	ug/L	91

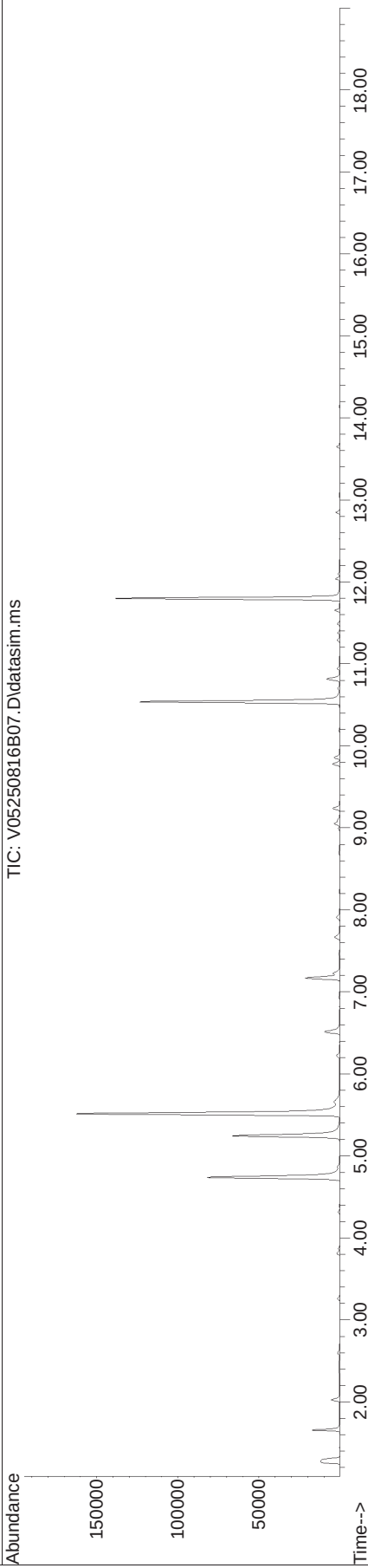
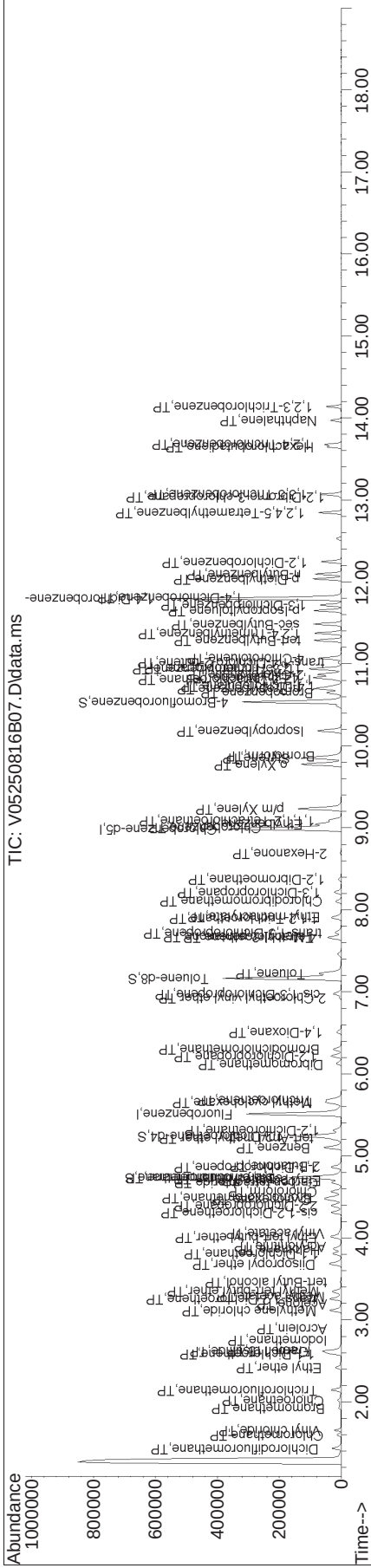
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
Data File : V05250816B07.D
Acq On : 16 Aug 2025 2:05 pm
Operator : VOA105:PID
Sample : I8260STD2PPB
Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 17 13:40:44 2025
Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:40:07 2025
Response via : Initial Calibration

SAMPLE(S) : 8260KCNV0A105MEGAMIX250816B07.D

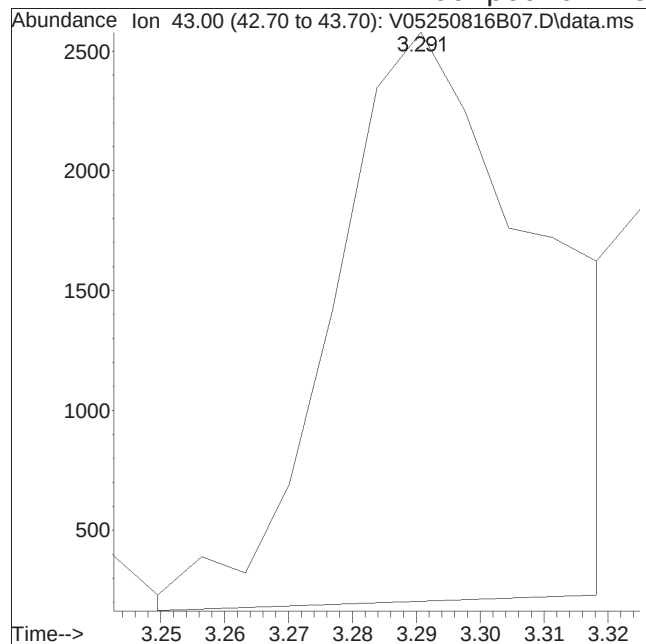


Manual Integration Report

Data Path : K:\VOA105\2025\250816BICAL
Data File : V05250816B07.D
Date Inj'd : 8/16/2025 2:05 pm
Sample : I8260STD2PPB

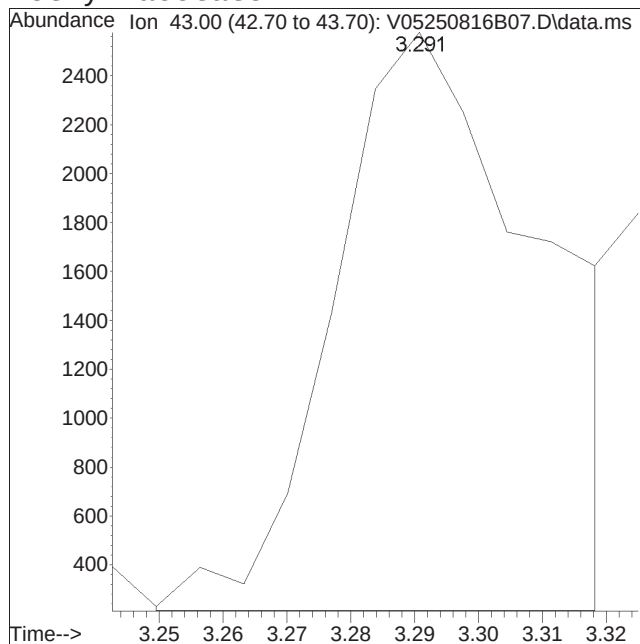
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 8/17/2025 1:40 pm

Compound #19: Methyl acetate



Original Peak Response = 5412

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

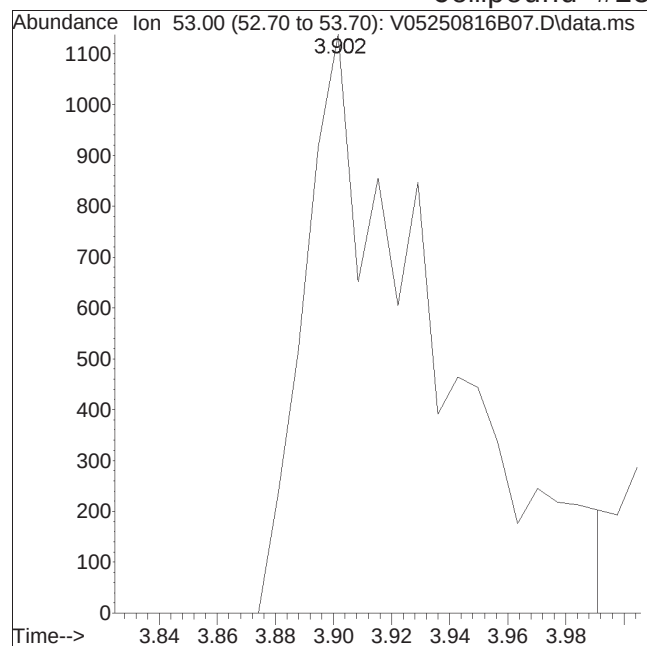


Manual Peak Response = 5348 M6

Manual Integration Report

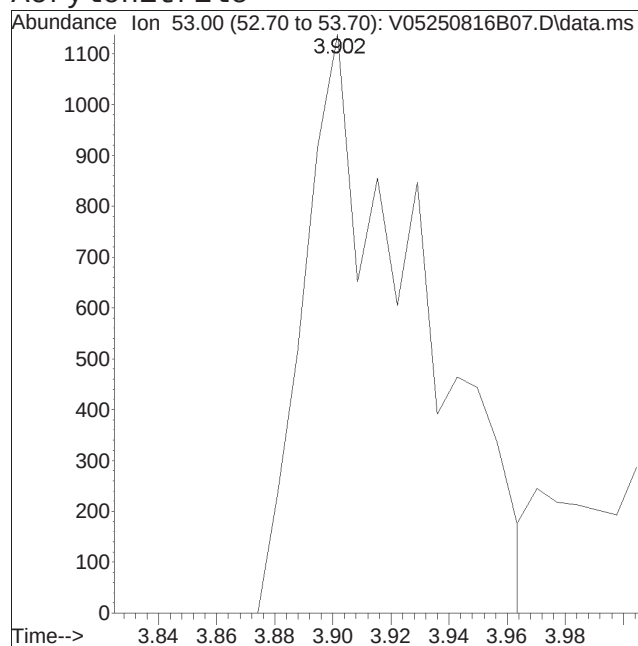
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Data File : V05250816B07.DOperator : VOA105:PID
Date Inj'd : 8/16/2025 2:05 pmInstrument : VOA105
Sample : I8260STD2PPBQuant Date : 8/17/2025 1:40 pm

Compound #25: Acrylonitrile



Original Peak Response = 3482

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



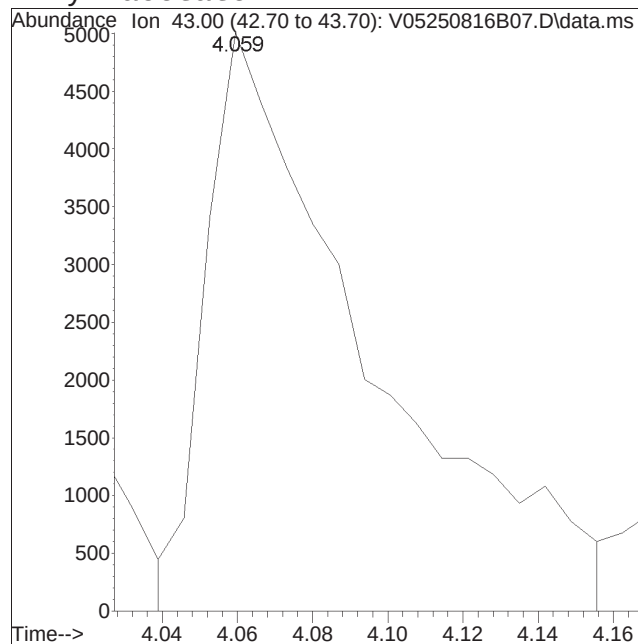
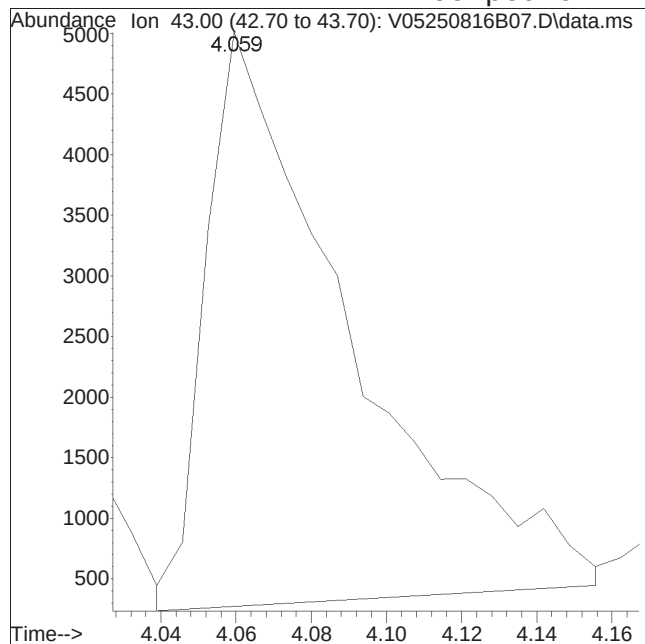
Manual Peak Response = 3120 M6

Manual Integration Report

Data Path : K:\VOA105\2025\250816BICAL
Data File : V05250816B07.D
Date Inj'd : 8/16/2025 2:05 pm
Sample : I8260STD2PPB

Operator : VOA105:PID
Instrument : VOA105
Quant Date : 8/17/2025 1:40 pm

Compound #27: Vinyl acetate



Original Peak Response = 12647

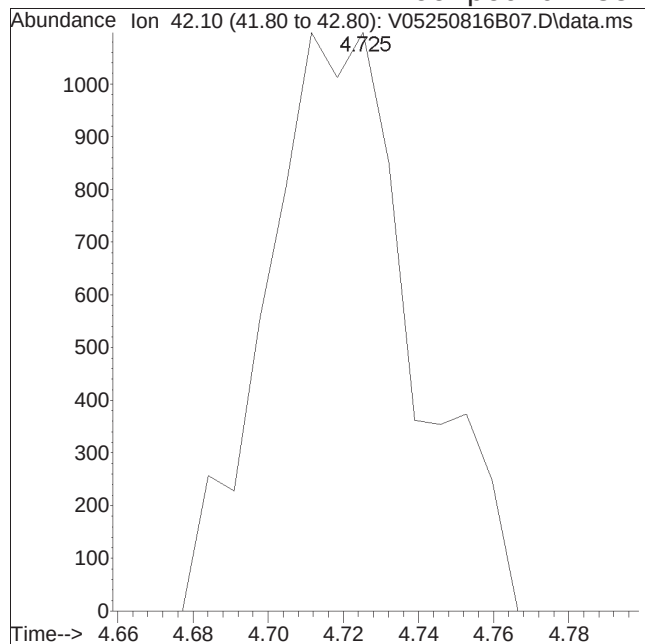
Manual Peak Response = 15041 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

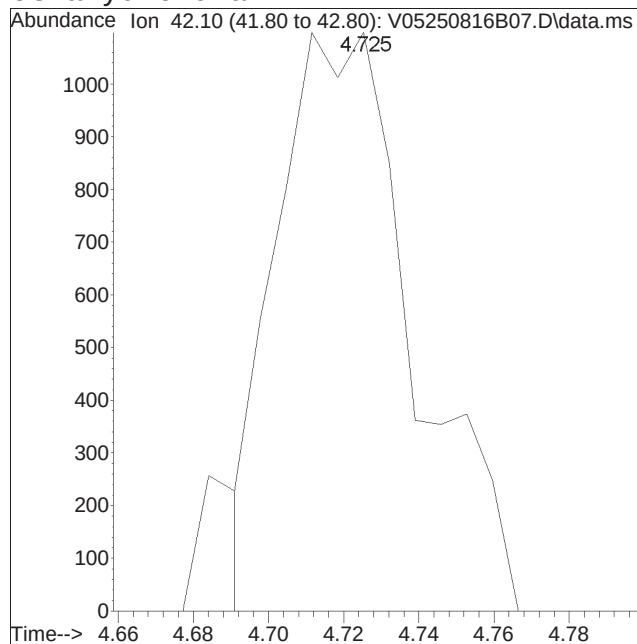
Data Path : K:\V0A105\2025\250816BICAL\
Data File : V05250816B07.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 2:05 pm Instrument : V0A105
Sample : I8260STD2PPB Quant Date : 8/17/2025 1:40 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 2980

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

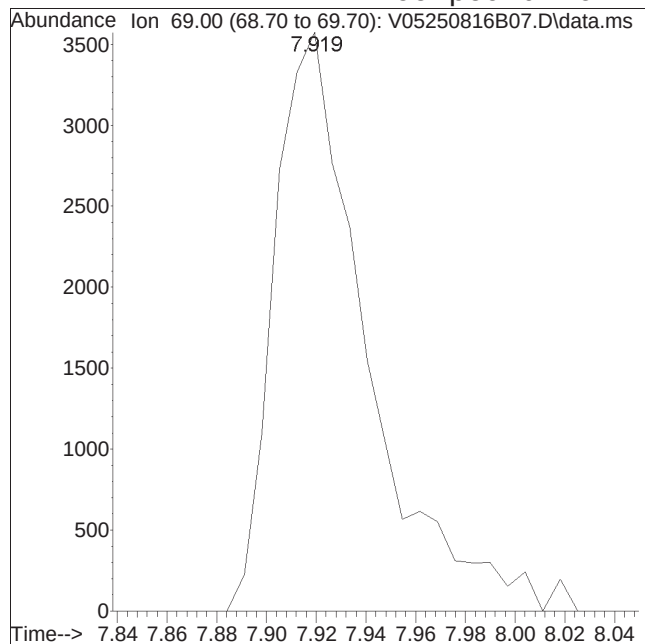


Manual Peak Response = 2780 M6

Manual Integration Report

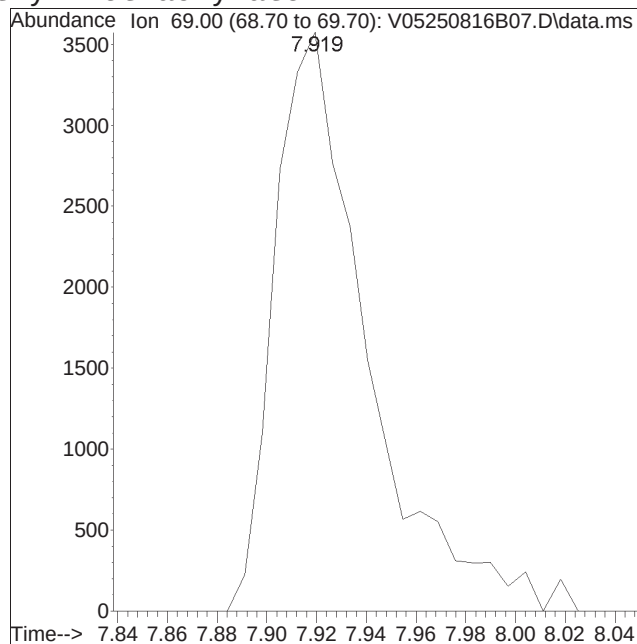
Data Path : K:\V0A105\2025\250816BICALQMethod : V105_250816B_8260.m
Data File : V05250816B07.DOperator : V0A105:PID
Date Inj'd : 8/16/2025 2:05 pmInstrument : V0A105
Sample : I8260STD2PPBQuant Date : 8/17/2025 1:40 pm

Compound #67: Ethyl methacrylate



Original Peak Response = 9286

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



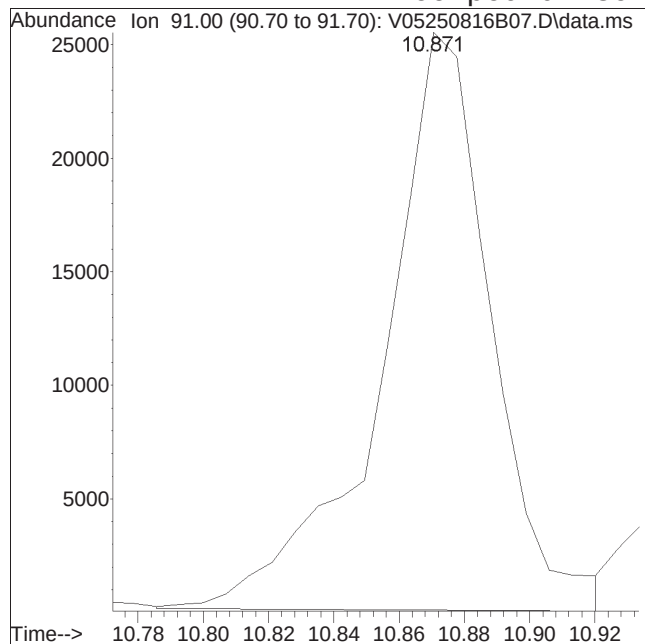
Manual Peak Response = 9202 M6

Manual Integration Report

Data Path : K:\V0A105\2025\250816BICALQ
Data File : V05250816B07.D
Date Inj'd : 8/16/2025 2:05 pm
Sample : I8260STD2PPB

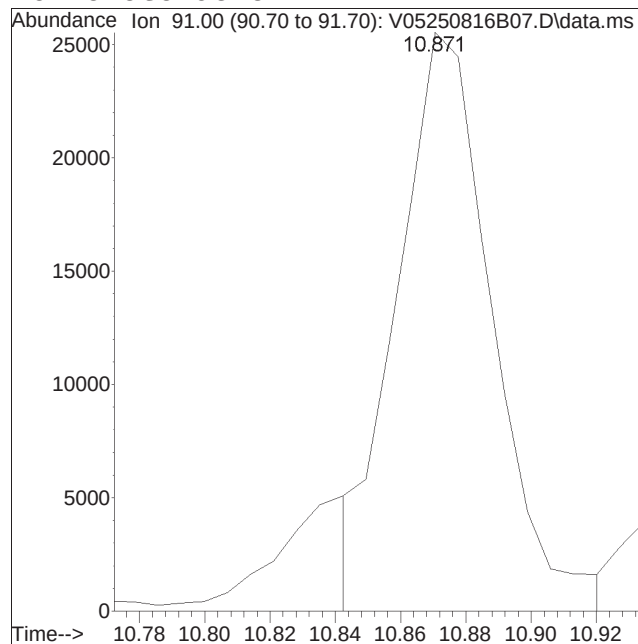
Method : V105_250816B_8260.m
Operator : V0A105:PID
Instrument : V0A105
Quant Date : 8/17/2025 1:40 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 58604

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

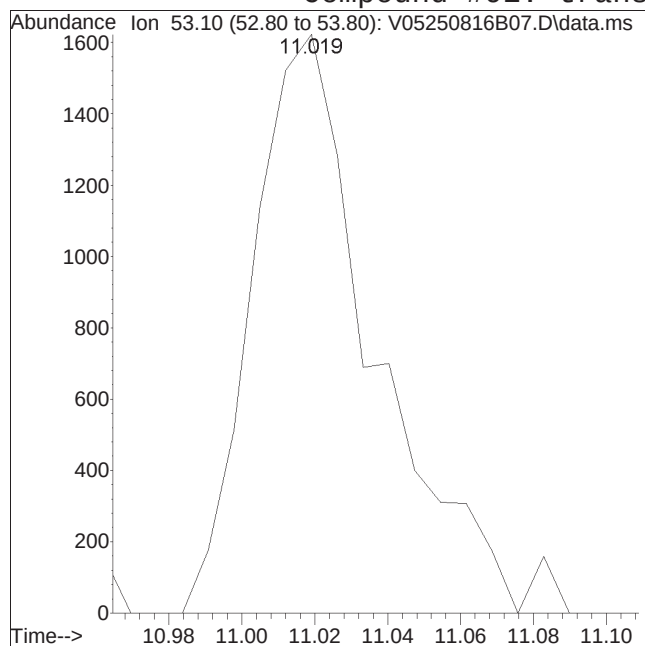


Manual Peak Response = 51602 M6

Manual Integration Report

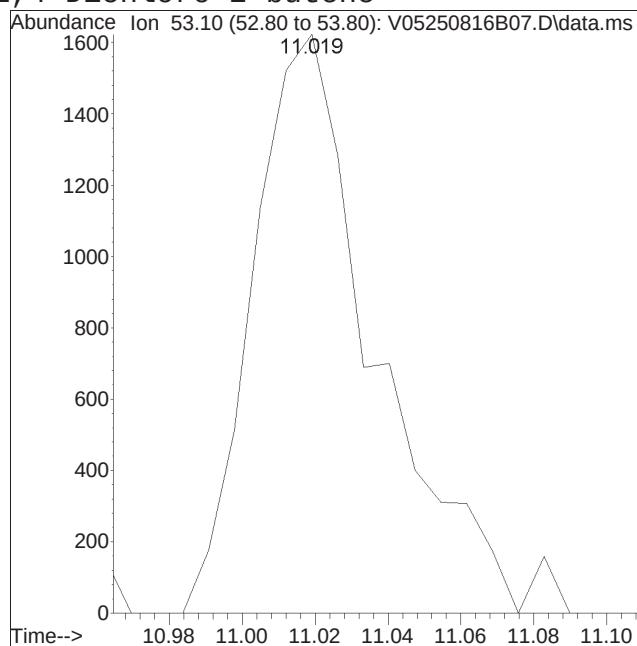
Data Path : K:\V0A105\2025\250816BICALQ Method : V105_250816B_8260.m
Data File : V05250816B07.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 2:05 pm Instrument : V0A105
Sample : I8260STD2PPB Quant Date : 8/17/2025 1:40 pm

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 3820

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 3752 M6

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B09.D
 Acq On : 16 Aug 2025 2:56 pm
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 13:40:50 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	321270	10.000	ug/L	0.00
Standard Area 1 = 321270			Recovery	=	100.00%	
59) Chlorobenzene-d5	8.985	117	246189	10.000	ug/L	0.00
Standard Area 1 = 246189			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	11.797	152	142285	10.000	ug/L	0.00
Standard Area 1 = 142285			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	92633	10.129	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.29%	
43) 1,2-Dichloroethane-d4	5.245	65	140334	10.722	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	107.22%	
60) Toluene-d8	7.164	98	328467	10.056	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.56%	
83) 4-Bromofluorobenzene	10.531	95	133134	10.295	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	102.95%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.431	85	117025	11.079	ug/L	100
3) Chloromethane	1.595	50	83867	9.834	ug/L	100
4) Vinyl chloride	1.657	62	105383	10.758	ug/L	100
5) Bromomethane	1.925	94	38961	9.133	ug/L	100
6) Chloroethane	2.021	64	59776	10.518	ug/L	100
7) Trichlorofluoromethane	2.144	101	175747	11.213	ug/L	100
8) Ethyl ether	2.419	74	38490	10.377	ug/L	100
10) 1,1-Dichloroethene	2.591	96	73912	10.976	ug/L	100
11) Carbon disulfide	2.618	76	242670	10.601	ug/L	100
12) Freon-113	2.625	101	80944	11.180	ug/L	100
13) Iodomethane	2.748	142	5419	2.740	ug/L	100
14) Acrolein	2.900	56	12930	10.544	ug/L	100
15) Methylene chloride	3.112	84	83462	9.430	ug/L	100
17) Acetone	3.174	43	14729	9.846	ug/L	100
18) trans-1,2-Dichloroethene	3.250	96	81359	10.556	ug/L	100
19) Methyl acetate	3.277	43	38079	10.365	ug/L	100
20) Methyl tert-butyl ether	3.346	73	206370	10.573	ug/L	100
21) tert-Butyl alcohol	3.462	59	20503	48.714	ug/L	100
22) Diisopropyl ether	3.682	45	294444	10.804	ug/L	100
23) 1,1-Dichloroethane	3.806	63	196581	10.961	ug/L	100
24) Halothane	3.867	117	59935	10.945	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B09.D
 Acq On : 16 Aug 2025 2:56 pm
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 13:40:50 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.874	53	22780	10.409	ug/L	100
26) Ethyl tert-butyl ether	4.011	59	253789	10.545	ug/L	100
27) Vinyl acetate	4.046	43	124916M6	9.482	ug/L	
28) cis-1,2-Dichloroethene	4.307	96	90797	10.665	ug/L	100
29) 2,2-Dichloropropane	4.396	77	158273	11.055	ug/L	100
30) Bromochloromethane	4.492	128	38847	11.090	ug/L	100
31) Cyclohexane	4.471	56	199105	11.496	ug/L	100
32) Chloroform	4.567	83	178317	10.832	ug/L	100
33) Ethyl acetate	4.684	43	53694	10.108	ug/L	100
34) Carbon tetrachloride	4.677	117	157765	11.254	ug/L	100
35) Tetrahydrofuran	4.712	42	18632M6	10.610	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	174392	11.334	ug/L	100
39) 2-Butanone	4.863	43	22163	9.863	ug/L	100
40) 1,1-Dichloropropene	4.863	75	122767	10.940	ug/L	100
41) Benzene	5.097	78	353323	10.851	ug/L	100
42) tert-Amyl methyl ether	5.210	73	175770	10.075	ug/L	100
44) 1,2-Dichloroethane	5.309	62	141603	10.870	ug/L	100
47) Methyl cyclohexane	5.655	83	141978	11.067	ug/L	100
48) Trichloroethene	5.683	95	94154	10.714	ug/L	100
50) Dibromomethane	6.127	93	49057	10.551	ug/L	100
51) 1,2-Dichloropropane	6.212	63	97339	10.614	ug/L	100
53) 2-Chloroethyl vinyl ether	6.917	63	31160	9.396	ug/L	100
54) Bromodichloromethane	6.297	83	129016	10.434	ug/L	100
57) 1,4-Dioxane	6.508	88	18105	483.618	ug/L	100
58) cis-1,3-Dichloropropene	6.974	75	130410	10.808	ug/L	100
61) Toluene	7.221	92	211929	10.383	ug/L	100
62) 4-Methyl-2-pentanone	7.665	58	19371	9.575	ug/L	100
63) Tetrachloroethene	7.658	166	96204	10.822	ug/L	100
65) trans-1,3-Dichloropropene	7.722	75	112792	10.935	ug/L	100
67) Ethyl methacrylate	7.905	69	65140	9.955	ug/L	100
68) 1,1,2-Trichloroethane	7.898	83	49720	10.222	ug/L	100
69) Chlorodibromomethane	8.103	129	78372	10.274	ug/L	100
70) 1,3-Dichloropropane	8.216	76	112068	10.429	ug/L	100
71) 1,2-Dibromoethane	8.371	107	57541	10.400	ug/L	100
72) 2-Hexanone	8.674	43	29265	9.371	ug/L	100
73) Chlorobenzene	9.006	112	226799	10.570	ug/L	100
74) Ethylbenzene	9.048	91	435417	10.800	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.091	131	83732	10.474	ug/L	100
76) p/m Xylene	9.232	106	311677	21.936	ug/L	100
77) o Xylene	9.775	106	289102	21.515	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B09.D
 Acq On : 16 Aug 2025 2:56 pm
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 13:40:50 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.846	104	482267	21.765	ug/L	100
80)	Bromoform	9.874	173	48914	10.241	ug/L	100
82)	Isopropylbenzene	10.185	105	423512	10.852	ug/L	100
84)	Bromobenzene	10.644	156	93258	10.341	ug/L	100
85)	n-Propylbenzene	10.694	91	505212	10.990	ug/L	100
86)	1,4-Dichlorobutane	10.722	55	135839	10.787	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.807	83	65607	10.467	ug/L	100
88)	4-Ethyltoluene	10.828	105	408577	11.015	ug/L	100
89)	2-Chlorotoluene	10.871	91	318167M6	11.112	ug/L	
90)	1,3,5-Trimethylbenzene	10.934	105	361859	11.050	ug/L	100
91)	1,2,3-Trichloropropane	10.948	75	60072M4	10.255	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.012	53	22469	9.665	ug/L	100
93)	4-Chlorotoluene	11.069	91	317166	10.638	ug/L	100
94)	tert-Butylbenzene	11.288	119	278379	10.831	ug/L	100
97)	1,2,4-Trimethylbenzene	11.373	105	355048	11.270	ug/L	100
98)	sec-Butylbenzene	11.486	105	430074	11.092	ug/L	100
99)	p-Isopropyltoluene	11.649	119	349577	11.181	ug/L	100
100)	1,3-Dichlorobenzene	11.712	146	178321	10.652	ug/L	100
101)	1,4-Dichlorobenzene	11.811	146	175326	10.312	ug/L	100
102)	p-Diethylbenzene	12.038	119	200216	11.066	ug/L	100
103)	n-Butylbenzene	12.094	91	324294	11.229	ug/L	100
104)	1,2-Dichlorobenzene	12.243	146	159788	10.611	ug/L	100
105)	1,2,4,5-Tetramethylben...	12.844	119	285014	10.612	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.042	155	10357	9.723	ug/L	100
107)	1,3,5-Trichlorobenzene	13.063	180	132773	10.729	ug/L	100
108)	Hexachlorobutadiene	13.650	225	56761	10.780	ug/L	100
109)	1,2,4-Trichlorobenzene	13.672	180	110899	10.672	ug/L	100
110)	Naphthalene	13.969	128	197576	10.455	ug/L	100
111)	1,2,3-Trichlorobenzene	14.139	180	96394	10.780	ug/L	100

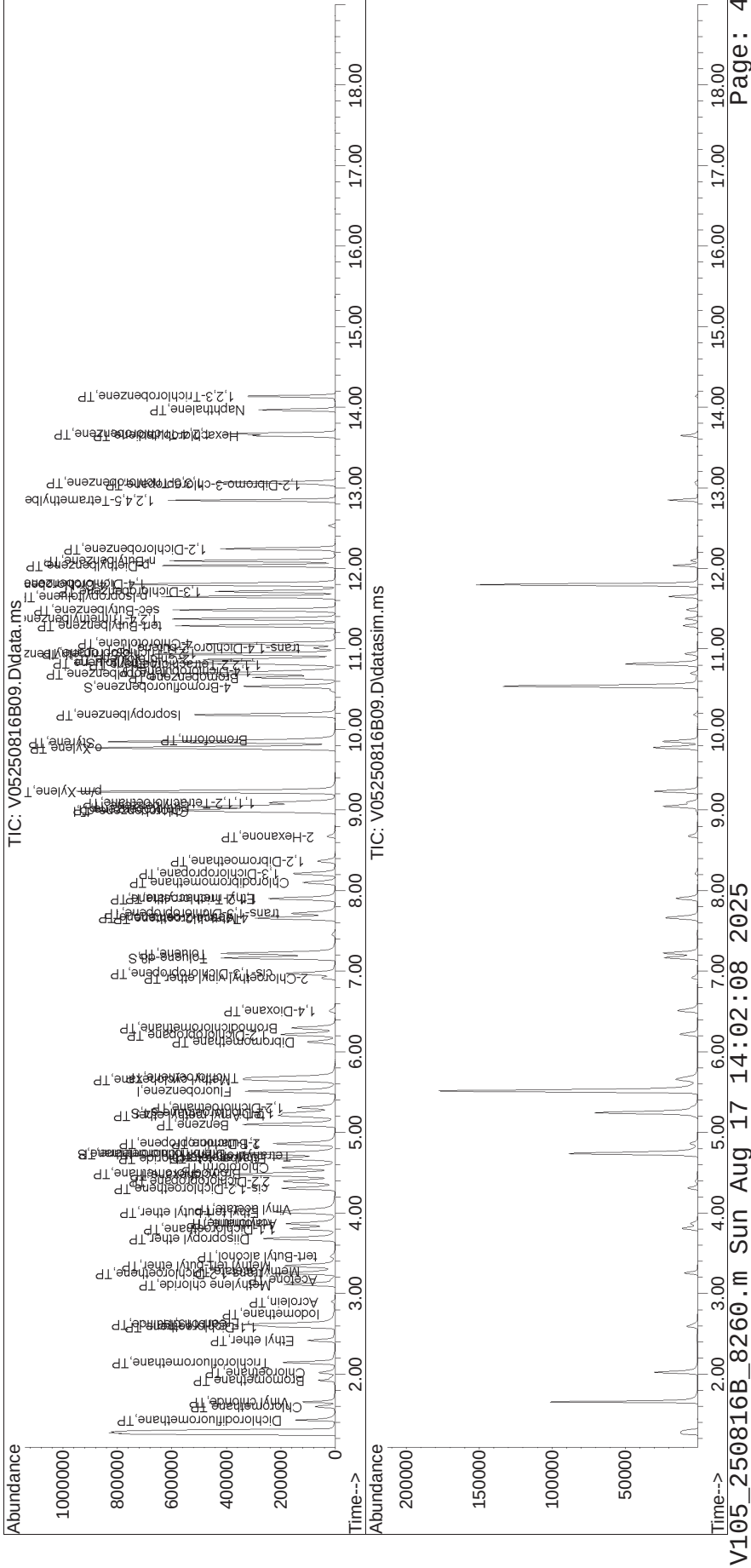
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
Data File : V05250816B09.D
Acq On : 16 Aug 2025 2:56 pm
Operator : VOA105:PID
Sample : I8260STD10PPB
Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 17 13:40:50 2025
Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:40:07 2025
Response via : Initial Calibration

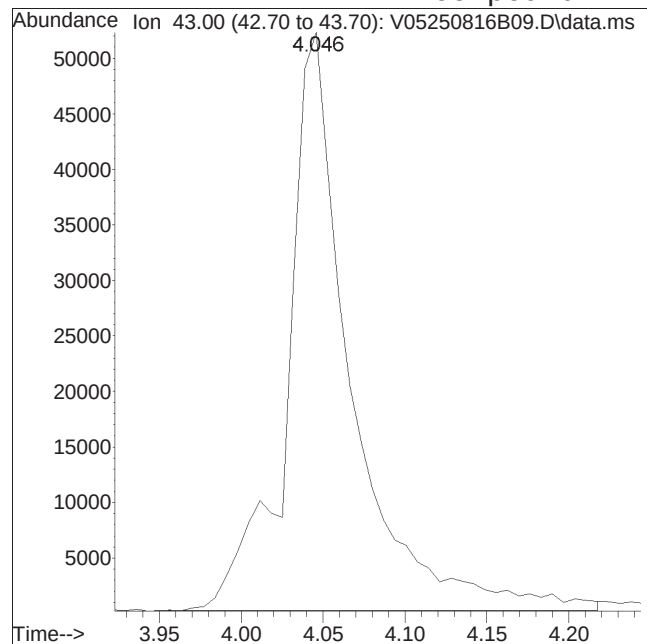
SAMPLE(S) : 8260KCNV0A105MEG0250816B09.D



Manual Integration Report

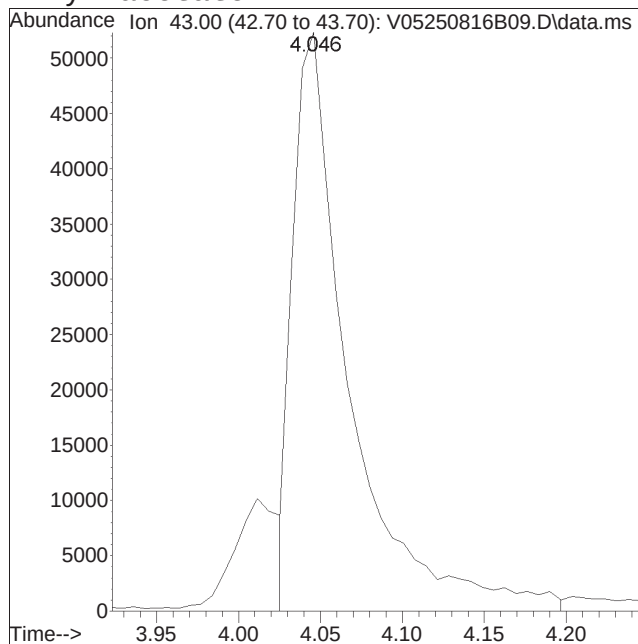
Data Path : K:\VOA105\2025\250816BICAL
Data File : V05250816B09.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 2:56 pm Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 8/17/2025 1:40 pm

Compound #27: Vinyl acetate



Original Peak Response = 141823

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

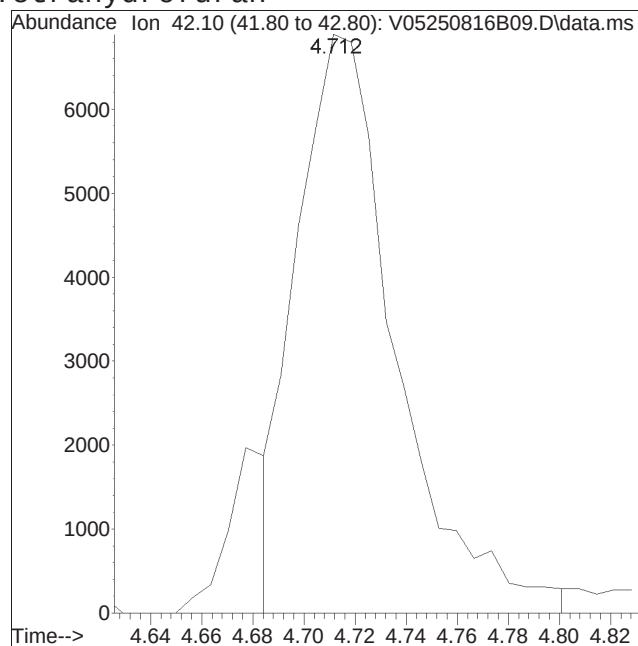
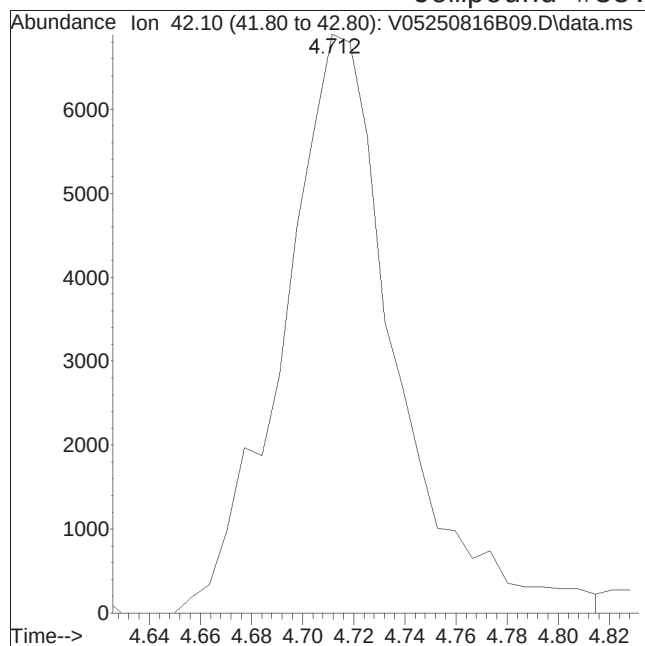


Manual Peak Response = 124916 M6

Manual Integration Report

Data Path : K:\V0A105\2025\250816BICALQMethod : V105_250816B_8260.m
Data File : V05250816B09.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 2:56 pm Instrument : V0A105
Sample : I8260STD10PPB Quant Date : 8/17/2025 1:40 pm

Compound #35: Tetrahydrofuran

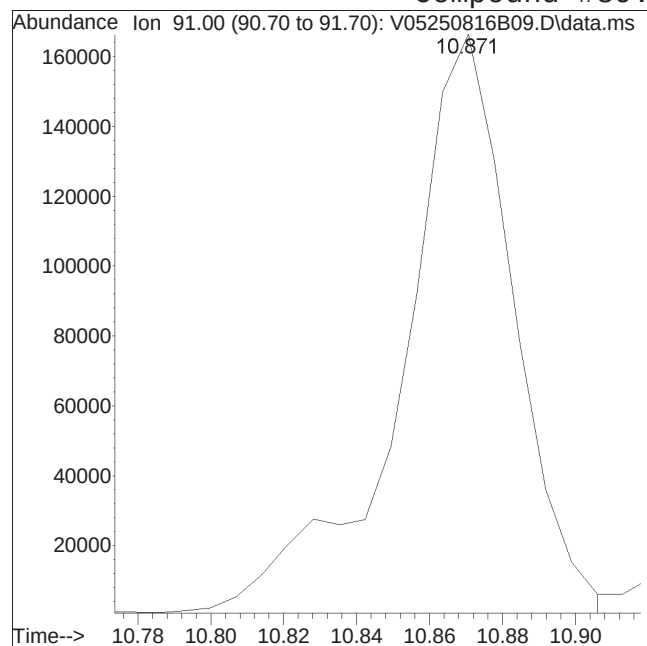


Original Peak Response = 21052
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

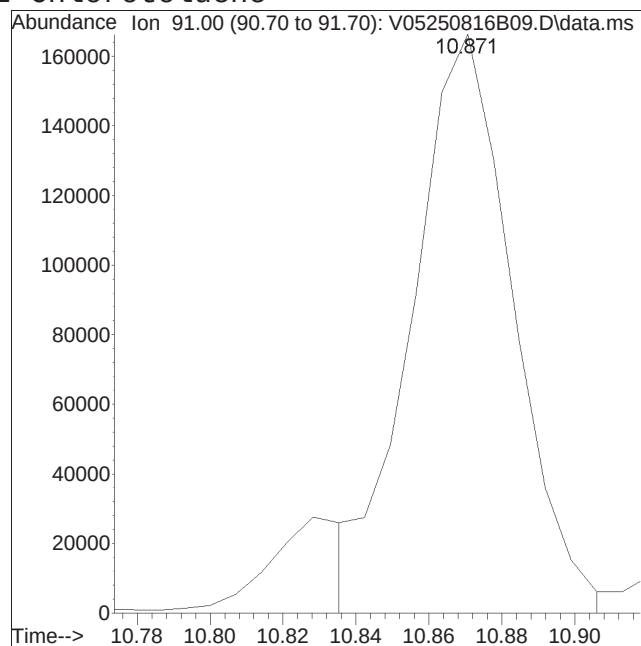
Data Path : K:\VOA105\2025\250816BICAL\ : V105_250816B_8260.m
Data File : V05250816B09.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 2:56 pm Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 8/17/2025 1:40 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 352990

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



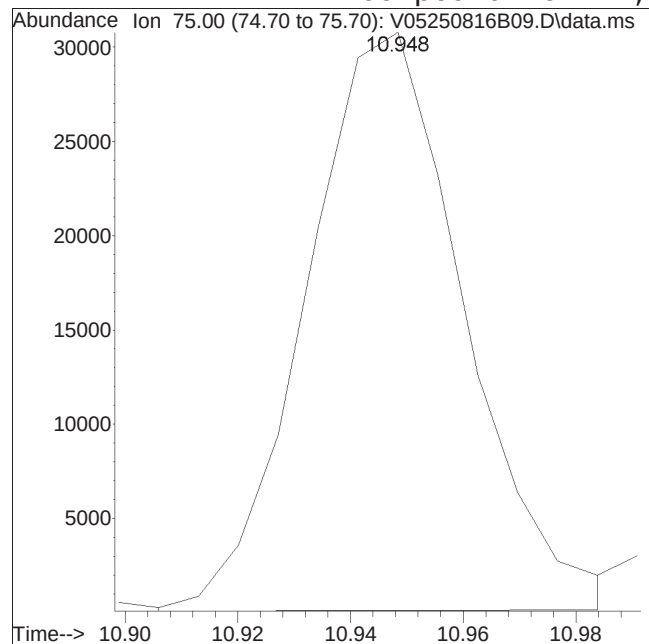
Manual Peak Response = 318167 M6

Manual Integration Report

Data Path : K:\V0A105\2025\250816BICAL
Data File : V05250816B09.D
Date Inj'd : 8/16/2025 2:56 pm
Sample : I8260STD10PPB

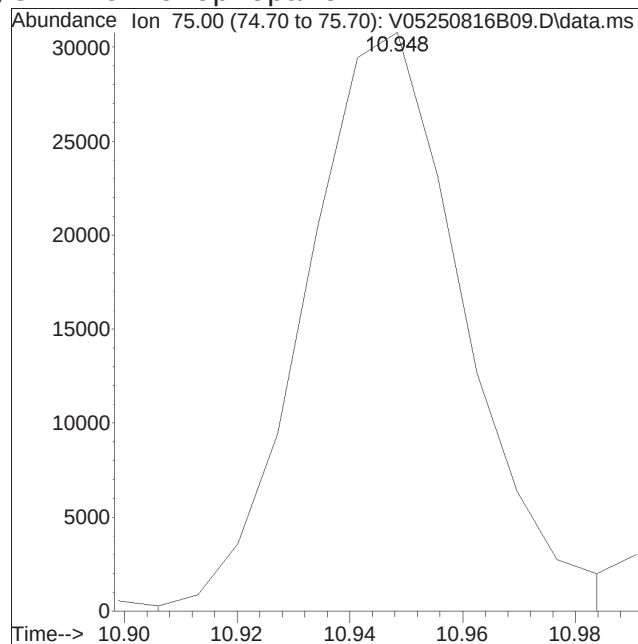
Operator : V0A105:PID
Instrument : V0A105
Quant Date : 8/17/2025 1:40 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 59529

M4 = Poor automated baseline construction.



Manual Peak Response = 60072 M4

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B10.D
 Acq On : 16 Aug 2025 3:22 pm
 Operator : VOA105:PID
 Sample : I8260STD30PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 17 13:40:57 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	338419	10.000	ug/L	0.00
Standard Area 1 = 321270			Recovery	=	105.34%	
59) Chlorobenzene-d5	8.985	117	257097	10.000	ug/L	0.00
Standard Area 1 = 246189			Recovery	=	104.43%	
79) 1,4-Dichlorobenzene-d4	11.797	152	151916	10.000	ug/L	0.00
Standard Area 1 = 142285			Recovery	=	106.77%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	95333	9.896	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.96%	
43) 1,2-Dichloroethane-d4	5.238	65	138438	10.041	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.41%	
60) Toluene-d8	7.164	98	341621	10.015	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.15%	
83) 4-Bromofluorobenzene	10.538	95	139287	10.088	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.88%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.431	85	354343	31.846	ug/L	100
3) Chloromethane	1.595	50	271139	30.181	ug/L	97
4) Vinyl chloride	1.650	62	329979	31.979	ug/L	99
5) Bromomethane	1.925	94	139973	31.148	ug/L	95
6) Chloroethane	2.014	64	176583	29.498	ug/L	99
7) Trichlorofluoromethane	2.144	101	530847	32.153	ug/L	100
8) Ethyl ether	2.419	74	120299	30.790	ug/L	98
10) 1,1-Dichloroethene	2.591	96	218883	30.856	ug/L	97
11) Carbon disulfide	2.618	76	732965	30.397	ug/L	100
12) Freon-113	2.618	101	246826	32.365	ug/L	99
13) Iodomethane	2.748	142	23769	11.407	ug/L	96
14) Acrolein	2.899	56	40848	31.623	ug/L	96
15) Methylene chloride	3.112	84	249623	26.776	ug/L	98
17) Acetone	3.174	43	47753	30.306	ug/L	95
18) trans-1,2-Dichloroethene	3.249	96	253981	31.284	ug/L	97
19) Methyl acetate	3.270	43	127552	32.961	ug/L	98
20) Methyl tert-butyl ether	3.346	73	666078	32.398	ug/L	99
21) tert-Butyl alcohol	3.462	59	71076	160.315	ug/L	87
22) Diisopropyl ether	3.682	45	962758	33.537	ug/L	99
23) 1,1-Dichloroethane	3.805	63	591006	31.285	ug/L	99
24) Halothane	3.860	117	178650	30.970	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B10.D
 Acq On : 16 Aug 2025 3:22 pm
 Operator : VOA105:PID
 Sample : I8260STD30PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 17 13:40:57 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.867	53	73869	32.042	ug/L	99
26) Ethyl tert-butyl ether	4.011	59	850344	33.542	ug/L	97
27) Vinyl acetate	4.039	43	465161M6	33.518	ug/L	
28) cis-1,2-Dichloroethene	4.306	96	277409	30.934	ug/L	99
29) 2,2-Dichloropropane	4.396	77	482747	32.009	ug/L	98
30) Bromochloromethane	4.492	128	119686	32.436	ug/L	99
31) Cyclohexane	4.471	56	617307	33.835	ug/L	100
32) Chloroform	4.560	83	530804	30.610	ug/L	99
33) Ethyl acetate	4.677	43	183979	32.879	ug/L	98
34) Carbon tetrachloride	4.677	117	473619	32.072	ug/L	97
35) Tetrahydrofuran	4.711	42	61137M6	33.051	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	519602	32.059	ug/L	100
39) 2-Butanone	4.856	43	77567	32.771	ug/L	96
40) 1,1-Dichloropropene	4.862	75	382026	32.319	ug/L	99
41) Benzene	5.097	78	1109383	32.343	ug/L	99
42) tert-Amyl methyl ether	5.210	73	599909	32.642	ug/L	96
44) 1,2-Dichloroethane	5.309	62	433121	31.563	ug/L	100
47) Methyl cyclohexane	5.654	83	450521	33.339	ug/L	98
48) Trichloroethene	5.683	95	286350	30.934	ug/L	98
50) Dibromomethane	6.120	93	151732	30.981	ug/L	99
51) 1,2-Dichloropropane	6.212	63	300350	31.090	ug/L	99
53) 2-Chloroethyl vinyl ether	6.910	63	111619	31.951	ug/L	96
54) Bromodichloromethane	6.296	83	404108	31.025	ug/L	98
57) 1,4-Dioxane	6.508	88	24336	617.118	ug/L	97
58) cis-1,3-Dichloropropene	6.974	75	430814	33.894	ug/L	100
61) Toluene	7.221	92	660953	31.007	ug/L	98
62) 4-Methyl-2-pentanone	7.665	58	68145	32.254	ug/L	97
63) Tetrachloroethene	7.658	166	300332	32.350	ug/L	99
65) trans-1,3-Dichloropropene	7.715	75	384111	35.660	ug/L	100
67) Ethyl methacrylate	7.905	69	234446	34.310	ug/L	95
68) 1,1,2-Trichloroethane	7.898	83	158897	31.283	ug/L	98
69) Chlorodibromomethane	8.103	129	257592	32.335	ug/L	99
70) 1,3-Dichloropropane	8.209	76	358828	31.976	ug/L	99
71) 1,2-Dibromoethane	8.364	107	185701	32.140	ug/L	99
72) 2-Hexanone	8.667	43	104994	32.195	ug/L	94
73) Chlorobenzene	9.006	112	692178	30.891	ug/L	99
74) Ethylbenzene	9.041	91	1359409	32.287	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.091	131	268375	32.147	ug/L	99
76) p/m Xylene	9.232	106	950628	64.066	ug/L	97
77) o Xylene	9.775	106	911702	64.970	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B10.D
 Acq On : 16 Aug 2025 3:22 pm
 Operator : VOA105:PID
 Sample : I8260STD30PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 17 13:40:57 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.846	104	1527236	66.002	ug/L	100
80)	Bromoform	9.874	173	164399	32.239	ug/L	99
82)	Isopropylbenzene	10.184	105	1413329	33.920	ug/L	96
84)	Bromobenzene	10.644	156	298130	30.963	ug/L	99
85)	n-Propylbenzene	10.694	91	1579555	32.183	ug/L	99
86)	1,4-Dichlorobutane	10.722	55	435003	32.354	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.807	83	215710	32.233	ug/L	99
88)	4-Ethyltoluene	10.828	105	1277923	32.267	ug/L	99
89)	2-Chlorotoluene	10.871	91	941596M6	30.800	ug/L	
90)	1,3,5-Trimethylbenzene	10.934	105	1116796	31.941	ug/L	100
91)	1,2,3-Trichloropropane	10.948	75	196122M1	31.359	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.005	53	80123	32.279	ug/L	99
93)	4-Chlorotoluene	11.061	91	1001985	31.476	ug/L	100
94)	tert-Butylbenzene	11.288	119	887023	32.325	ug/L	99
97)	1,2,4-Trimethylbenzene	11.373	105	1111159	33.034	ug/L	99
98)	sec-Butylbenzene	11.486	105	1347646	32.554	ug/L	100
99)	p-Isopropyltoluene	11.649	119	1095730	32.825	ug/L	100
100)	1,3-Dichlorobenzene	11.712	146	557084	31.168	ug/L	100
101)	1,4-Dichlorobenzene	11.811	146	565610	31.158	ug/L	98
102)	p-Diethylbenzene	12.038	119	637320	32.990	ug/L	98
103)	n-Butylbenzene	12.094	91	1021356	33.122	ug/L	99
104)	1,2-Dichlorobenzene	12.243	146	504068	31.352	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.844	119	964688	33.640	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.042	155	35038	30.807	ug/L	99
107)	1,3,5-Trichlorobenzene	13.063	180	427686	32.369	ug/L	98
108)	Hexachlorobutadiene	13.650	225	177331	31.545	ug/L	99
109)	1,2,4-Trichlorobenzene	13.672	180	366126	32.998	ug/L	100
110)	Naphthalene	13.969	128	676493	33.529	ug/L	100
111)	1,2,3-Trichlorobenzene	14.138	180	307250	32.181	ug/L	98

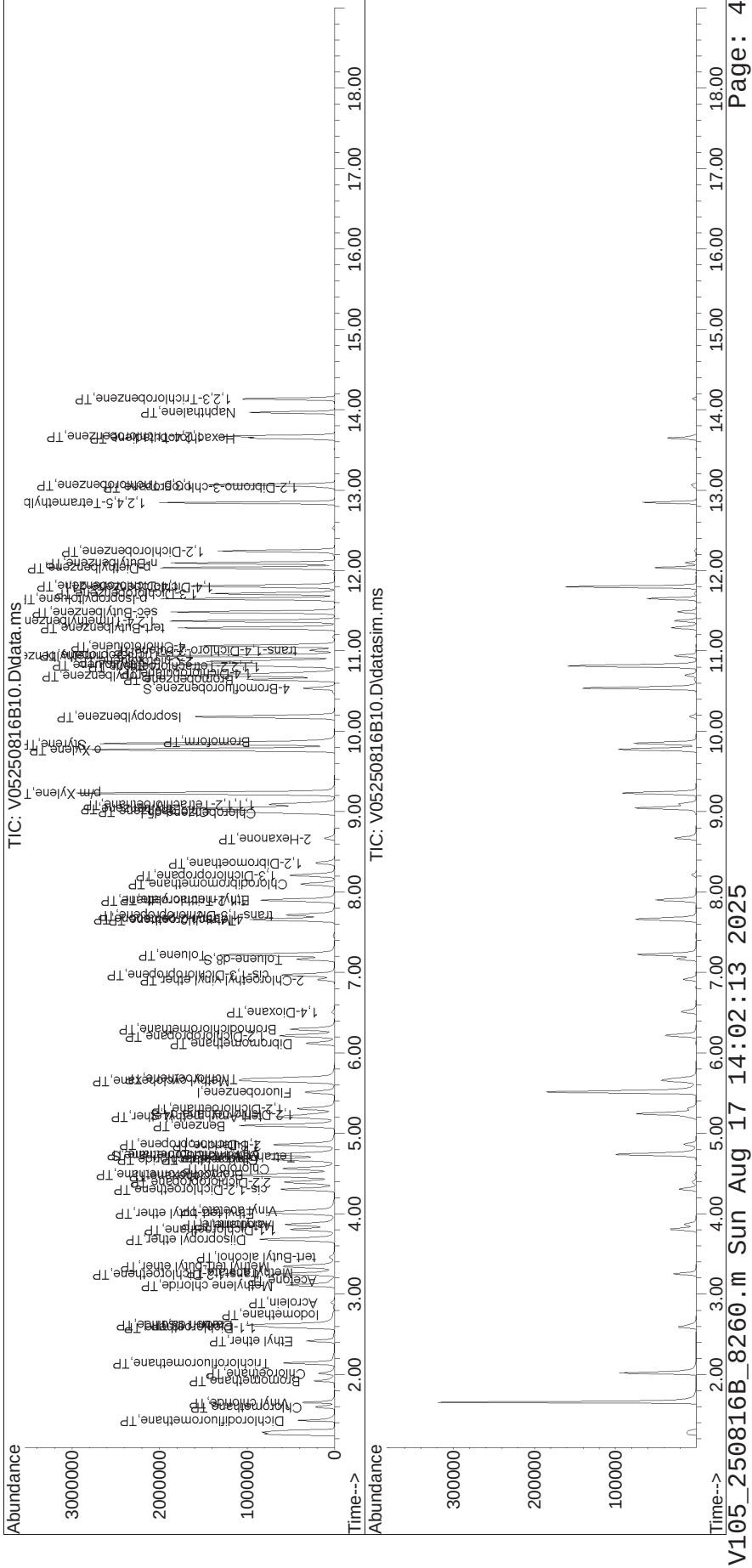
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
Data File : V05250816B10.D
Acq On : 16 Aug 2025 3:22 pm
Operator : VOA105:PID
Sample : I8260STD30PPB
Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 17 13:40:57 2025
Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:40:07 2025
Response via : Initial Calibration

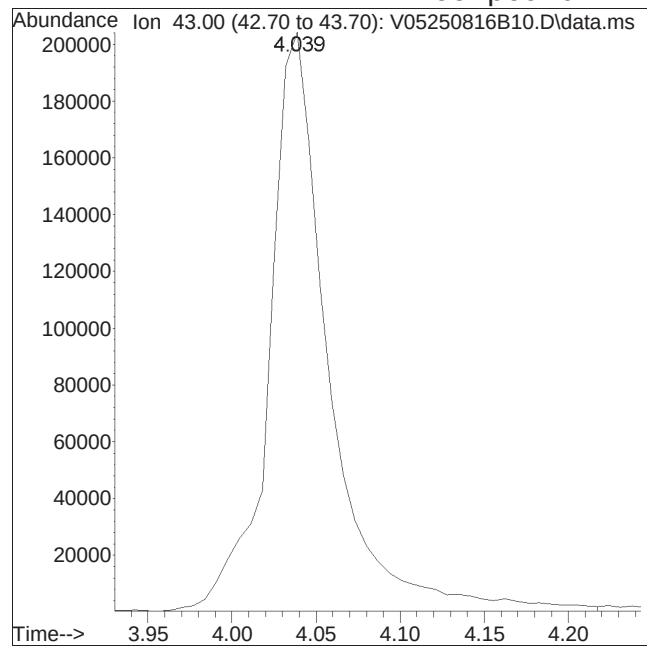
SOURCE(s) : 8260KCNV0A105MEGA1250816B09.D



Manual Integration Report

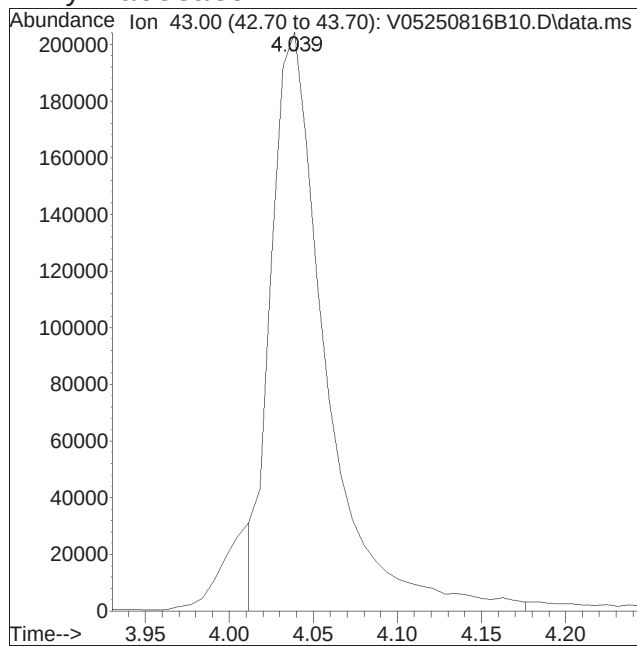
Data Path : K:\VOA105\2025\250816BICAL
Data File : V05250816B10.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 3:22 pm Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 8/17/2025 1:40 pm

Compound #27: Vinyl acetate



Original Peak Response = 505294

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

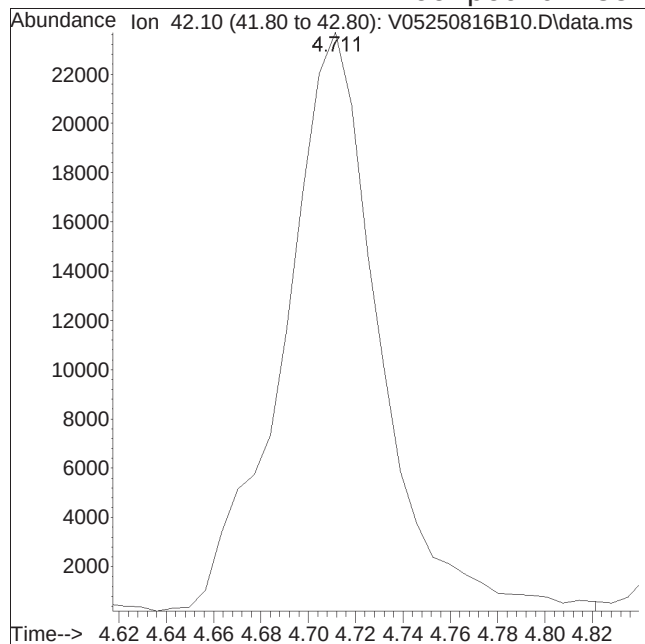


Manual Peak Response = 465161 M6

Manual Integration Report

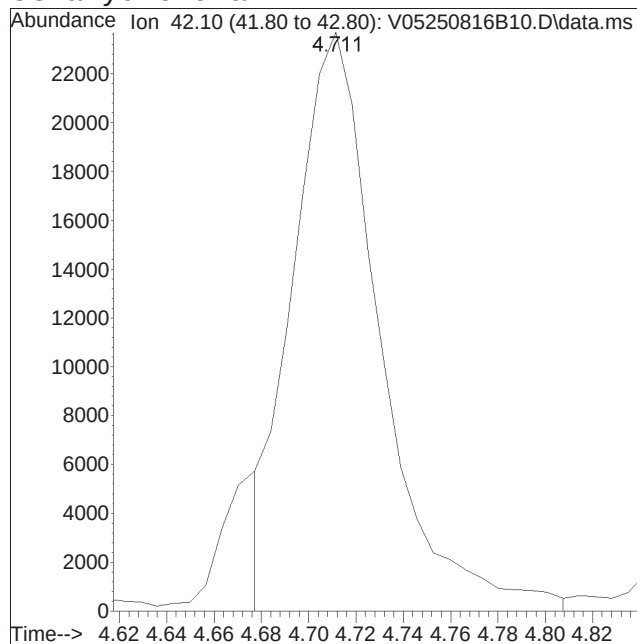
Data Path : K:\VOA105\2025\250816BICALQ Method : V105_250816B_8260.m
Data File : V05250816B10.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 3:22 pm Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 8/17/2025 1:40 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 66000

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

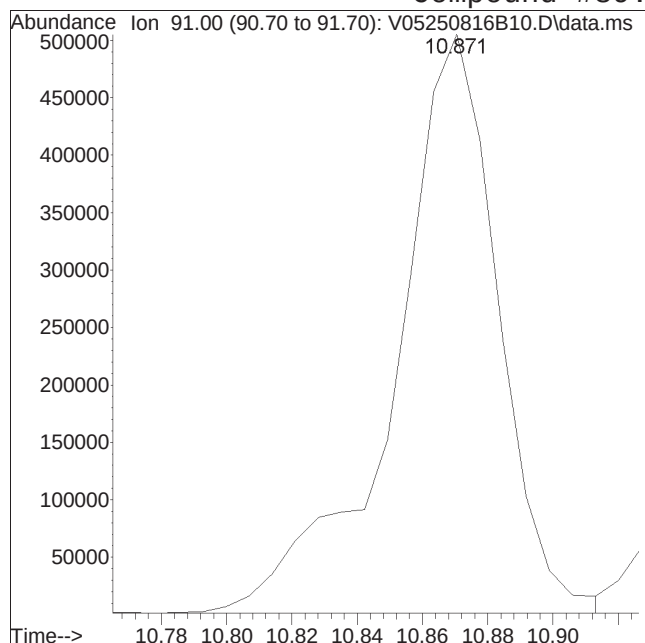


Manual Peak Response = 61137 M6

Manual Integration Report

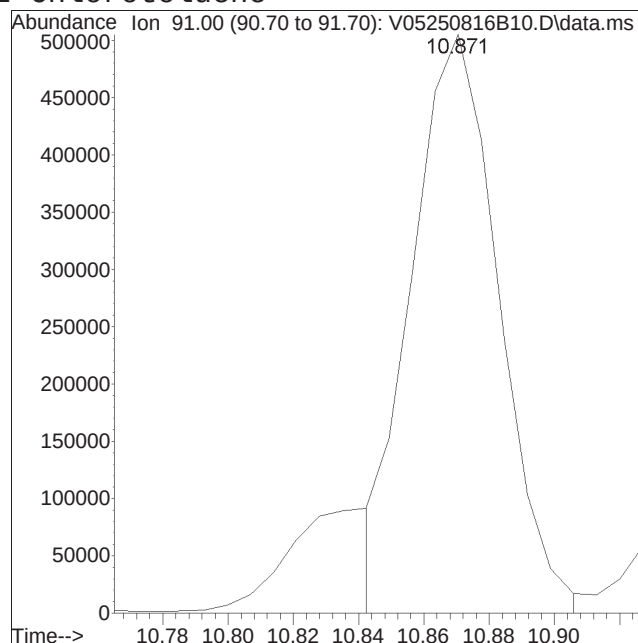
Data Path : K:\VOA105\2025\250816BICALQ Method : V105_250816B_8260.m
Data File : V05250816B10.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 3:22 pm Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 8/17/2025 1:40 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 1104189

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



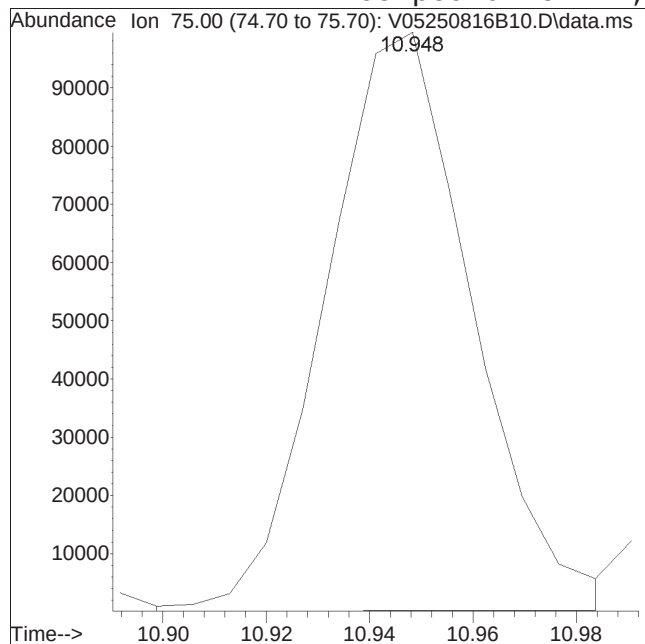
Manual Peak Response = 941596 M6

Manual Integration Report

Data Path : K:\VOA105\2025\250816BICALQ
Data File : V05250816B10.D
Date Inj'd : 8/16/2025 3:22 pm
Sample : I8260STD30PPB

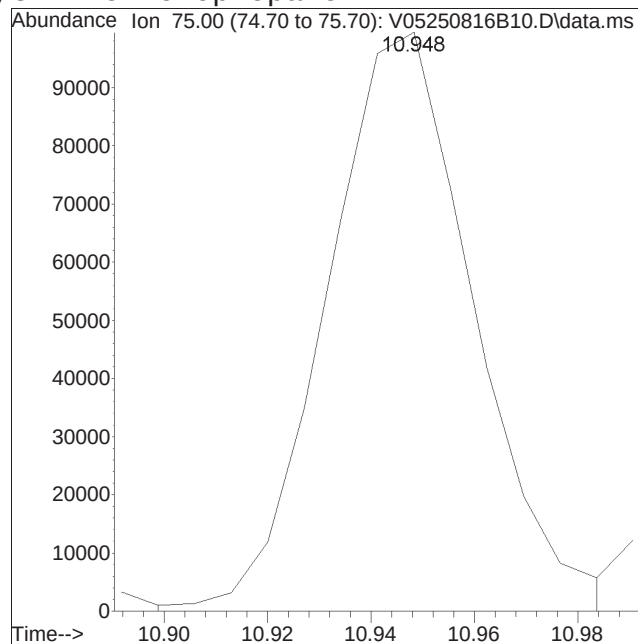
Method : V105_250816B_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 8/17/2025 1:40 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 195101

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 196122 M1

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B11.D
 Acq On : 16 Aug 2025 3:47 pm
 Operator : VOA105:PID
 Sample : I8260STD80PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 17 13:41:03 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.514	96	363582	10.000	ug/L	0.00
Standard Area 1 = 321270			Recovery	=	113.17%	
59) Chlorobenzene-d5	8.985	117	277255	10.000	ug/L	0.00
Standard Area 1 = 246189			Recovery	=	112.62%	
79) 1,4-Dichlorobenzene-d4	11.797	152	168613	10.000	ug/L	0.00
Standard Area 1 = 142285			Recovery	=	118.50%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	98684	9.535	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.35%	
43) 1,2-Dichloroethane-d4	5.245	65	142177	9.598	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.98%	
60) Toluene-d8	7.165	98	368306	10.012	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.12%	
83) 4-Bromofluorobenzene	10.538	95	147458	9.622	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.22%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.431	85	982853	82.219	ug/L	100
3) Chloromethane	1.595	50	806025	83.509	ug/L	98
4) Vinyl chloride	1.650	62	932873	84.150	ug/L	99
5) Bromomethane	1.925	94	429418	88.944	ug/L	98
6) Chloroethane	2.014	64	488222	75.912	ug/L	99
7) Trichlorofluoromethane	2.145	101	1426530	80.423	ug/L	100
8) Ethyl ether	2.419	74	336983	80.279	ug/L	96
10) 1,1-Dichloroethene	2.591	96	603855	79.234	ug/L	99
11) Carbon disulfide	2.618	76	2090142	80.682	ug/L	99
12) Freon-113	2.618	101	678693	82.835	ug/L	96
13) Iodomethane	2.742	142	280055	125.102	ug/L	98
14) Acrolein	2.900	56	113090	81.490	ug/L	95
15) Methylene chloride	3.112	84	690590	68.950	ug/L	95
17) Acetone	3.167	43	131743	77.822	ug/L	97
18) trans-1,2-Dichloroethene	3.250	96	695701	79.761	ug/L	97
19) Methyl acetate	3.270	43	356200	85.675	ug/L	98
20) Methyl tert-butyl ether	3.346	73	1886194	85.394	ug/L	98
21) tert-Butyl alcohol	3.462	59	202059	424.210	ug/L	84
22) Diisopropyl ether	3.682	45	2670380	86.582	ug/L	98
23) 1,1-Dichloroethane	3.806	63	1600826	78.874	ug/L	99
24) Halothane	3.867	117	499249	80.558	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B11.D
 Acq On : 16 Aug 2025 3:47 pm
 Operator : VOA105:PID
 Sample : I8260STD80PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 17 13:41:03 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.867	53	211700	85.472	ug/L	97
26) Ethyl tert-butyl ether	4.012	59	2412765	88.584	ug/L	97
27) Vinyl acetate	4.032	43	1344870M6	90.201	ug/L	
28) cis-1,2-Dichloroethene	4.307	96	772706	80.202	ug/L	98
29) 2,2-Dichloropropane	4.396	77	1340622	82.740	ug/L	96
30) Bromochloromethane	4.492	128	299839	75.635	ug/L	96
31) Cyclohexane	4.471	56	1660241	84.702	ug/L	98
32) Chloroform	4.561	83	1457670	78.242	ug/L	100
33) Ethyl acetate	4.671	43	531979	88.491	ug/L	98
34) Carbon tetrachloride	4.671	117	1326034	83.580	ug/L	98
35) Tetrahydrofuran	4.712	42	166795M6	83.930	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	1428319	82.026	ug/L	99
39) 2-Butanone	4.849	43	221766	87.209	ug/L	98
40) 1,1-Dichloropropene	4.863	75	1070886	84.325	ug/L	99
41) Benzene	5.097	78	3087855	83.793	ug/L	98
42) tert-Amyl methyl ether	5.210	73	1750817	88.672	ug/L	94
44) 1,2-Dichloroethane	5.309	62	1174938	79.697	ug/L	100
47) Methyl cyclohexane	5.655	83	1272757	87.666	ug/L	96
48) Trichloroethene	5.683	95	802845	80.728	ug/L	99
50) Dibromomethane	6.120	93	425288	80.826	ug/L	99
51) 1,2-Dichloropropane	6.212	63	845432	81.455	ug/L	99
53) 2-Chloroethyl vinyl ether	6.911	63	323849	86.286	ug/L	97
54) Bromodichloromethane	6.297	83	1149479	82.143	ug/L	98
57) 1,4-Dioxane	6.508	88	37569	886.750	ug/L	96
58) cis-1,3-Dichloropropene	6.967	75	1244952	91.167	ug/L	99
61) Toluene	7.221	92	1872586	81.460	ug/L	99
62) 4-Methyl-2-pentanone	7.666	58	204831	89.900	ug/L	91
63) Tetrachloroethene	7.658	166	844533	84.354	ug/L	99
65) trans-1,3-Dichloropropene	7.715	75	1116388	96.108	ug/L	98
67) Ethyl methacrylate	7.905	69	684342	92.870	ug/L	93
68) 1,1,2-Trichloroethane	7.898	83	452891	82.681	ug/L	98
69) Chlorodibromomethane	8.103	129	746889	86.939	ug/L	98
70) 1,3-Dichloropropane	8.209	76	1027425	84.901	ug/L	99
71) 1,2-Dibromoethane	8.364	107	536268	86.065	ug/L	99
72) 2-Hexanone	8.667	43	320672	91.181	ug/L	93
73) Chlorobenzene	9.006	112	1996584	82.626	ug/L	98
74) Ethylbenzene	9.048	91	3849788	84.787	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.098	131	770495	85.583	ug/L	99
76) p/m Xylene	9.232	106	2708144	169.241	ug/L	98
77) o Xylene	9.775	106	2621003	173.199	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B11.D
 Acq On : 16 Aug 2025 3:47 pm
 Operator : VOA105:PID
 Sample : I8260STD80PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 17 13:41:03 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.853	104	4359211	174.692	ug/L	99
80)	Bromoform	9.874	173	484918	85.676	ug/L	100
82)	Isopropylbenzene	10.185	105	4027016	87.079	ug/L	97
84)	Bromobenzene	10.644	156	851595	79.685	ug/L	99
85)	n-Propylbenzene	10.694	91	4538540	83.315	ug/L	99
86)	1,4-Dichlorobutane	10.722	55	1225362	82.114	ug/L	99
87)	1,1,2,2-Tetrachloroethane	10.814	83	627821	84.524	ug/L	97
88)	4-Ethyltoluene	10.828	105	3658606	83.231	ug/L	100
89)	2-Chlorotoluene	10.871	91	2692170M6	79.341	ug/L	
90)	1,3,5-Trimethylbenzene	10.941	105	3197765	82.400	ug/L	99
91)	1,2,3-Trichloropropane	10.949	75	558176M1	80.412	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.005	53	228431M4	82.915	ug/L	
93)	4-Chlorotoluene	11.062	91	2873527	81.330	ug/L	100
94)	tert-Butylbenzene	11.288	119	2584170	84.847	ug/L	98
97)	1,2,4-Trimethylbenzene	11.373	105	3186219	85.344	ug/L	99
98)	sec-Butylbenzene	11.486	105	3921334	85.345	ug/L	100
99)	p-Isopropyltoluene	11.649	119	3197702	86.307	ug/L	99
100)	1,3-Dichlorobenzene	11.712	146	1618910	81.606	ug/L	100
101)	1,4-Dichlorobenzene	11.811	146	1624508	80.628	ug/L	99
102)	p-Diethylbenzene	12.038	119	1889282	88.113	ug/L	98
103)	n-Butylbenzene	12.094	91	2985151	87.220	ug/L	100
104)	1,2-Dichlorobenzene	12.243	146	1475863	82.705	ug/L	100
105)	1,2,4,5-Tetramethylben...	12.844	119	2956768	92.897	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.042	155	110092	87.213	ug/L	95
107)	1,3,5-Trichlorobenzene	13.071	180	1260598	85.959	ug/L	98
108)	Hexachlorobutadiene	13.651	225	541574	86.799	ug/L	99
109)	1,2,4-Trichlorobenzene	13.672	180	1093592	88.803	ug/L	99
110)	Naphthalene	13.969	128	2049066	91.500	ug/L	100
111)	1,2,3-Trichlorobenzene	14.139	180	917057	86.540	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

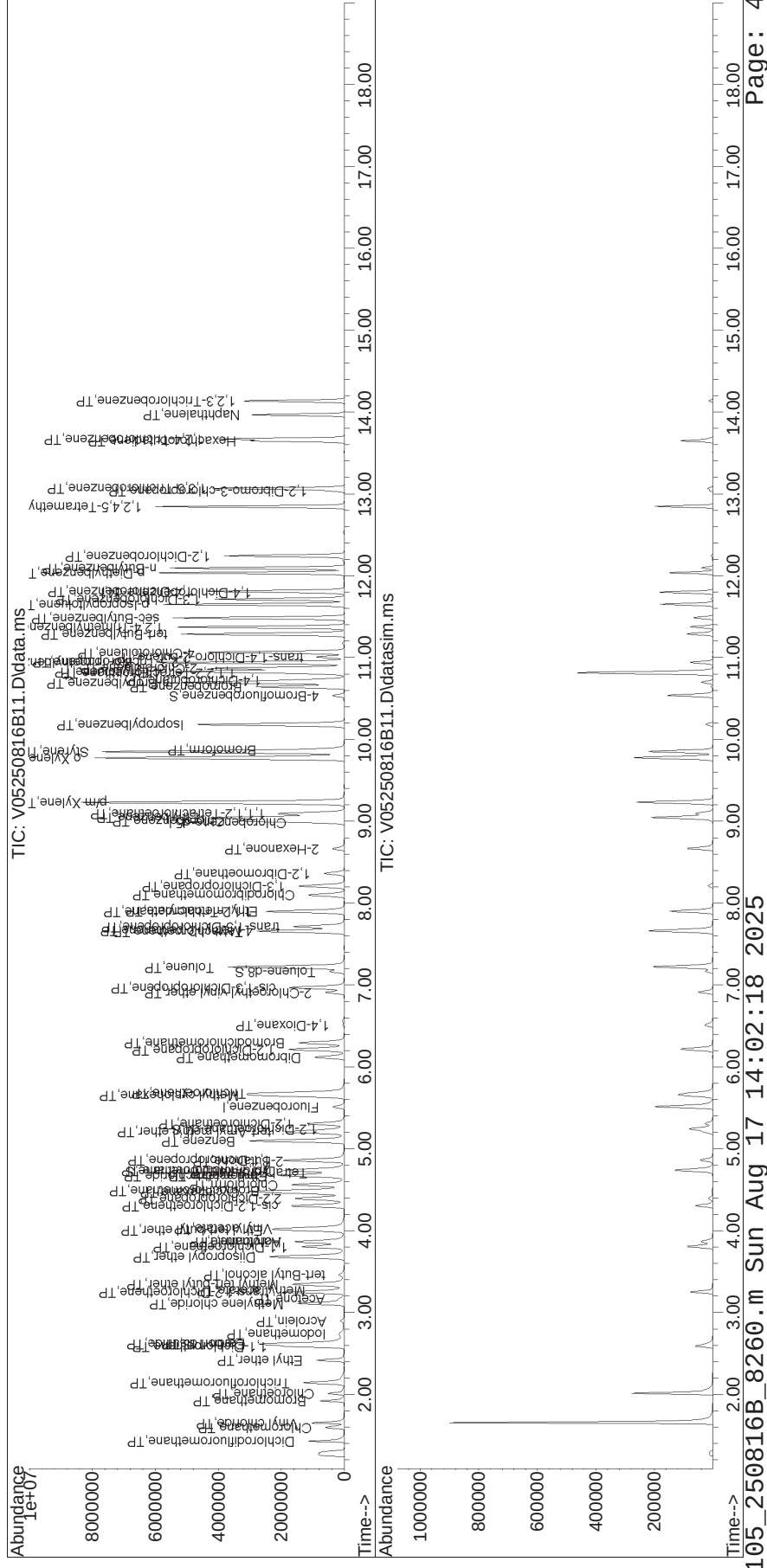
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Data Path      : K:\VOA105\2025\250816BICAL\
Data File     : V05250816B11.D
Acq On       : 16 Aug 2025   3:47 pm
Operator      : VOA105:PID
Sample        : I8260STD80PPB
Misc          : WG2103935,ICAL (Sig #1); WG
ALS Vial     : 11 Sample Multiplier: 1

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Quant Time: Aug 17 13:41:03 2025
Quant Method : K:\VOA105\2025\25
Quant Title : VOLATILES BY GC/MO
QLast Update : Sun Aug 17 13:40:
Response via : Initial Calibration

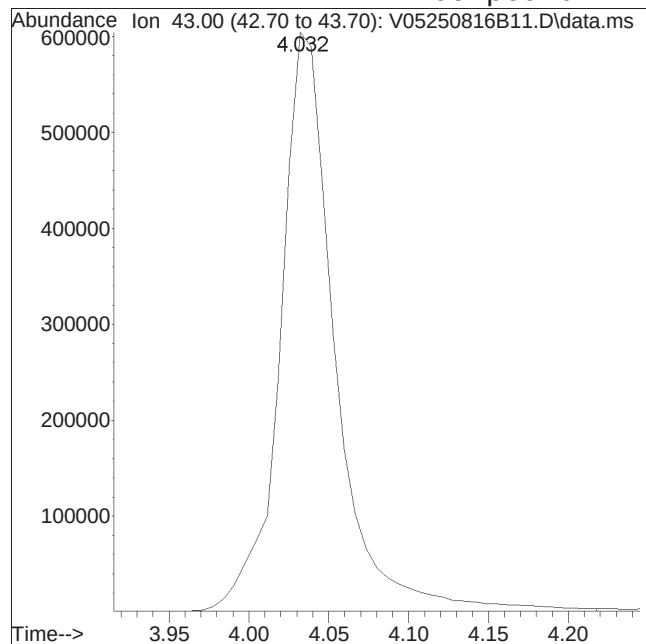
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Manual Integration Report

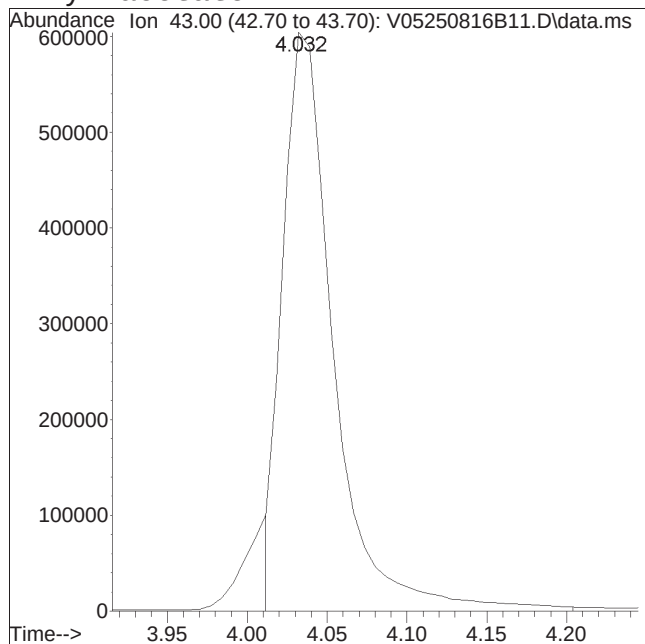
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Data File : V05250816B11.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 3:47 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 8/17/2025 1:40 pm

Compound #27: Vinyl acetate



Original Peak Response = 1443862

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

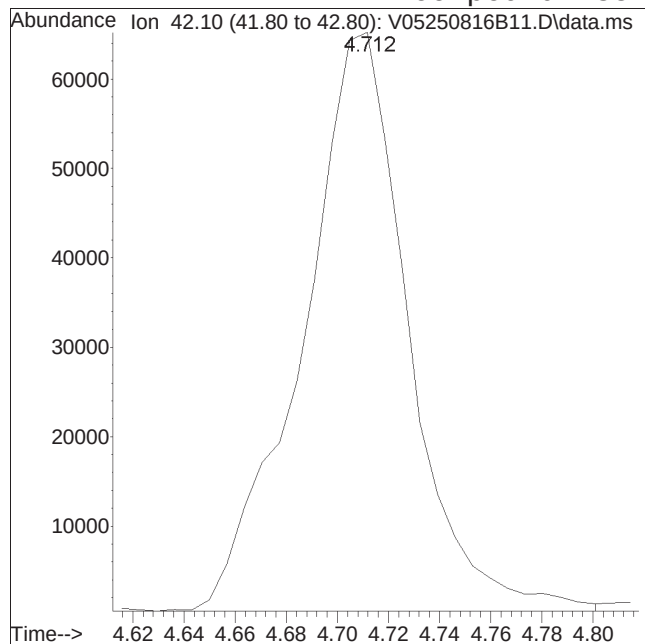


Manual Peak Response = 1344870 M6

Manual Integration Report

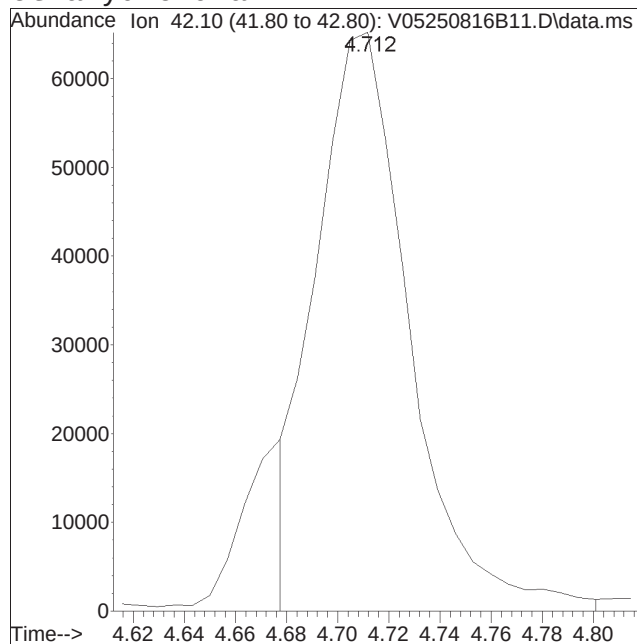
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Data File : V05250816B11.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 3:47 pm Instrument : V0A105
Sample : I8260STD80PPB Quant Date : 8/17/2025 1:40 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 185241

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

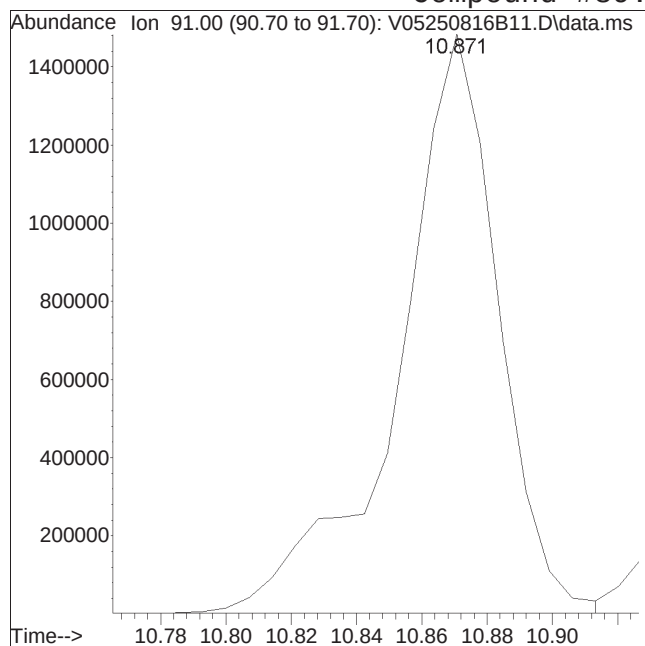


Manual Peak Response = 166795 M6

Manual Integration Report

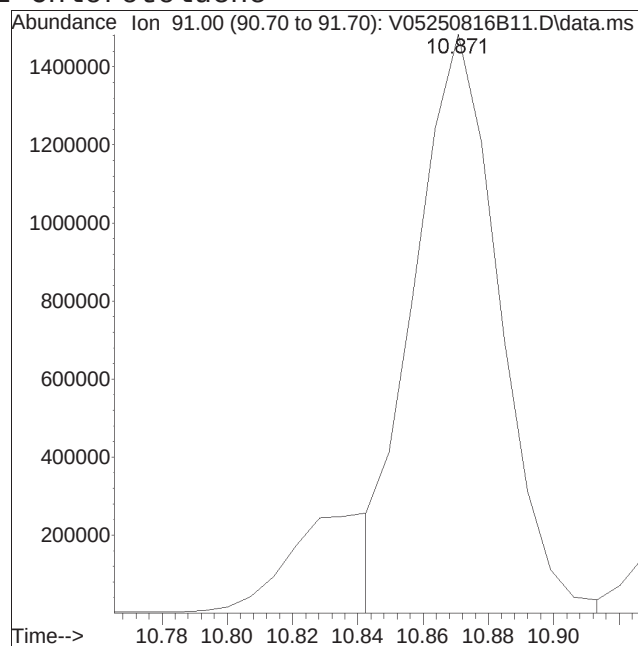
Data Path : K:\VOA105\2025\250816BICALQMethod : V105_250816B_8260.m
Data File : V05250816B11.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 3:47 pm Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 8/17/2025 1:40 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 3130986

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

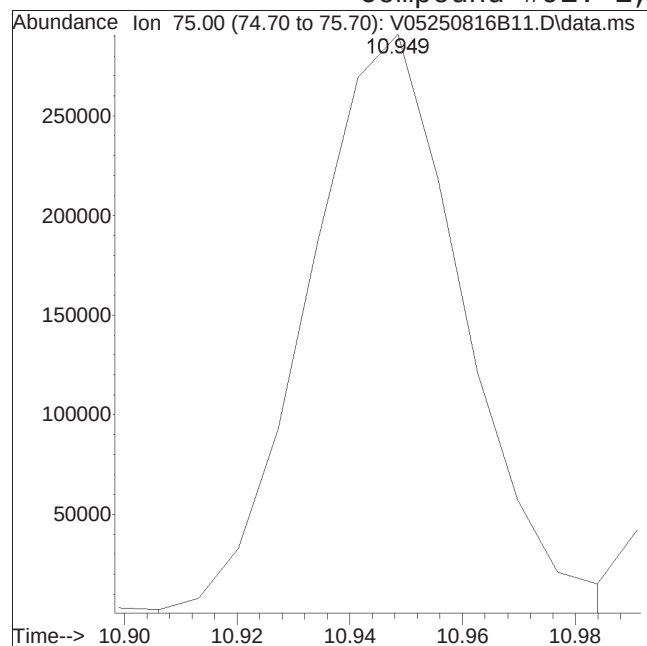


Manual Peak Response = 2692170 M6

Manual Integration Report

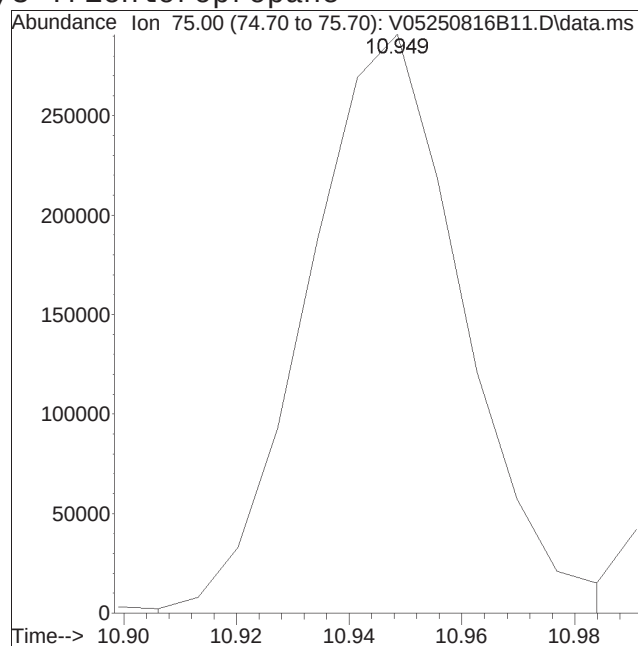
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Data File : V05250816B11.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 3:47 pm Instrument : V0A105
Sample : I8260STD80PPB Quant Date : 8/17/2025 1:40 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 555690

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

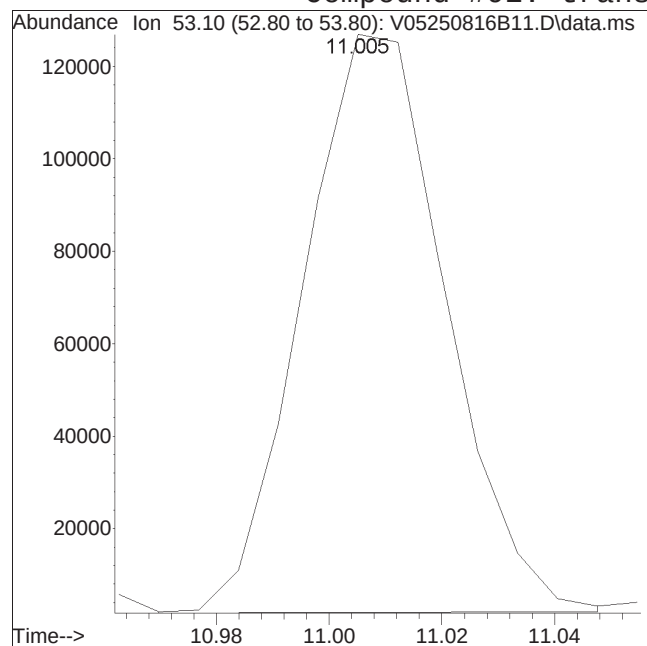


Manual Peak Response = 558176 M1

Manual Integration Report

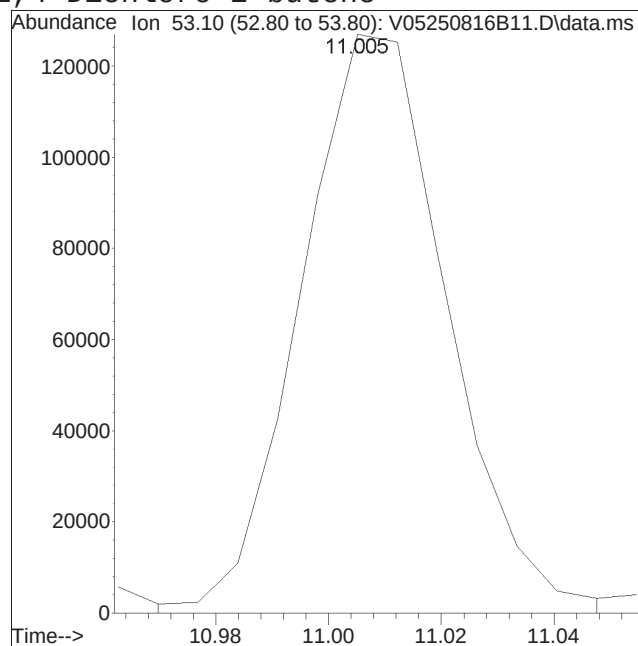
Data Path : K:\V0A105\2025\250816BICAL
Data File : V05250816B11.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 3:47 pm Instrument : V0A105
Sample : I8260STD80PPB Quant Date : 8/17/2025 1:40 pm

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 219709

M4 = Poor automated baseline construction.



Manual Peak Response = 228431 M4

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B12.D
 Acq On : 16 Aug 2025 4:13 pm
 Operator : VOA105:PID
 Sample : I8260STD120PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 17 13:41:11 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	401958	10.000	ug/L	0.00
Standard Area 1 = 321270			Recovery	=	125.12%	
59) Chlorobenzene-d5	8.985	117	316536	10.000	ug/L	0.00
Standard Area 1 = 246189			Recovery	=	128.57%	
79) 1,4-Dichlorobenzene-d4	11.797	152	184025	10.000	ug/L	0.00
Standard Area 1 = 142285			Recovery	=	129.34%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	108001	9.439	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.39%	
43) 1,2-Dichloroethane-d4	5.245	65	149761	9.145	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	91.45%	
60) Toluene-d8	7.164	98	418941	9.975	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.75%	
83) 4-Bromofluorobenzene	10.538	95	169850	10.155	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.55%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.430	85	1633006	123.565	ug/L	99
3) Chloromethane	1.595	50	1490352	139.668	ug/L	98
4) Vinyl chloride	1.650	62	1627996	132.833	ug/L	99
5) Bromomethane	1.925	94	766578	143.620	ug/L	97
6) Chloroethane	2.007	64	796446	112.013	ug/L	99
7) Trichlorofluoromethane	2.144	101	2308995	117.746	ug/L	100
8) Ethyl ether	2.419	74	569605	122.741	ug/L	92
10) 1,1-Dichloroethene	2.590	96	1019971	121.057	ug/L	96
11) Carbon disulfide	2.618	76	3483148	121.617	ug/L	99
12) Freon-113	2.618	101	1127573	124.481	ug/L	96
13) Iodomethane	2.728	142	560709	226.559	ug/L	97
14) Acrolein	2.899	56	190593	124.225	ug/L	97
15) Methylene chloride	3.112	84	1142494	103.178	ug/L	92
17) Acetone	3.167	43	213199	113.915	ug/L	95
18) trans-1,2-Dichloroethene	3.249	96	1160046	120.301	ug/L	94
19) Methyl acetate	3.270	43	584320	127.126	ug/L	96
20) Methyl tert-butyl ether	3.345	73	3108003	127.275	ug/L	96
21) tert-Butyl alcohol	3.462	59	343326	651.975	ug/L	81
22) Diisopropyl ether	3.682	45	4303297	126.206	ug/L	97
23) 1,1-Dichloroethane	3.805	63	2610125	116.325	ug/L	98
24) Halothane	3.867	117	846144	123.497	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B12.D
 Acq On : 16 Aug 2025 4:13 pm
 Operator : VOA105:PID
 Sample : I8260STD120PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 17 13:41:11 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.867	53	347902	127.052	ug/L	97
26) Ethyl tert-butyl ether	4.011	59	3957355	131.422	ug/L	98
27) Vinyl acetate	4.032	43	2240481M6	135.924	ug/L	
28) cis-1,2-Dichloroethene	4.306	96	1287488	120.875	ug/L	96
29) 2,2-Dichloropropane	4.396	77	2176546	121.506	ug/L	94
30) Bromochloromethane	4.492	128	484853	110.629	ug/L	91
31) Cyclohexane	4.471	56	2757430	127.247	ug/L	97
32) Chloroform	4.560	83	2383469	115.722	ug/L	99
33) Ethyl acetate	4.670	43	863139	129.870	ug/L	99
34) Carbon tetrachloride	4.677	117	2164014	123.375	ug/L	98
35) Tetrahydrofuran	4.704	42	266164M6	121.145	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	2346679	121.899	ug/L	98
39) 2-Butanone	4.849	43	370663	131.847	ug/L	97
40) 1,1-Dichloropropene	4.862	75	1784041	127.069	ug/L	99
41) Benzene	5.097	78	5173889	126.996	ug/L	97
42) tert-Amyl methyl ether	5.210	73	2951607	135.216	ug/L	92
44) 1,2-Dichloroethane	5.309	62	1874024	114.981	ug/L	99
47) Methyl cyclohexane	5.654	83	2189086	136.386	ug/L	91
48) Trichloroethene	5.682	95	1339389	121.820	ug/L	99
50) Dibromomethane	6.120	93	711526	122.316	ug/L	100
51) 1,2-Dichloropropane	6.212	63	1425227	124.207	ug/L	99
53) 2-Chloroethyl vinyl ether	6.910	63	547543	131.959	ug/L	91
54) Bromodichloromethane	6.296	83	1892131	122.304	ug/L	98
57) 1,4-Dioxane	6.508	88	62090	1325.607	ug/L	95
58) cis-1,3-Dichloropropene	6.974	75	2108505	139.663	ug/L	96
61) Toluene	7.221	92	3147074	119.913	ug/L	99
62) 4-Methyl-2-pentanone	7.665	58	345736	132.912	ug/L	86
63) Tetrachloroethene	7.658	166	1432004	125.282	ug/L	98
65) trans-1,3-Dichloropropene	7.715	75	1862687	140.456	ug/L	96
67) Ethyl methacrylate	7.905	69	1178177	140.045	ug/L	91
68) 1,1,2-Trichloroethane	7.898	83	765907	122.475	ug/L	98
69) Chlorodibromomethane	8.103	129	1262753	128.745	ug/L	99
70) 1,3-Dichloropropane	8.208	76	1730211	125.233	ug/L	99
71) 1,2-Dibromoethane	8.364	107	912696	128.301	ug/L	99
72) 2-Hexanone	8.667	43	532543	132.633	ug/L	90
73) Chlorobenzene	9.006	112	3377747	122.437	ug/L	98
74) Ethylbenzene	9.048	91	6485906	125.119	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.097	131	1288677	125.377	ug/L	98
76) p/m Xylene	9.232	106	4573112	250.323	ug/L	98
77) o Xylene	9.775	106	4357164	252.195	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B12.D
 Acq On : 16 Aug 2025 4:13 pm
 Operator : VOA105:PID
 Sample : I8260STD120PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 17 13:41:11 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.852	104	7330772	257.319	ug/L	99
80)	Bromoform	9.881	173	821801	133.036	ug/L	100
82)	Isopropylbenzene	10.184	105	6479763	128.381	ug/L	99
84)	Bromobenzene	10.644	156	1447675	124.116	ug/L	100
85)	n-Propylbenzene	10.701	91	7759231	130.510	ug/L	99
86)	1,4-Dichlorobutane	10.722	55	2032086	124.770	ug/L	97
87)	1,1,2,2-Tetrachloroethane	10.814	83	1083114	133.607	ug/L	98
88)	4-Ethyltoluene	10.835	105	6232608	129.913	ug/L	100
89)	2-Chlorotoluene	10.870	91	4599301M6	124.193	ug/L	
90)	1,3,5-Trimethylbenzene	10.941	105	5363136	126.624	ug/L	100
91)	1,2,3-Trichloropropane	10.948	75	945014M1	124.740	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.005	53	380549	126.562	ug/L #	85
93)	4-Chlorotoluene	11.068	91	4882434	126.615	ug/L	99
94)	tert-Butylbenzene	11.288	119	4392804	132.151	ug/L	97
97)	1,2,4-Trimethylbenzene	11.373	105	5340722	131.072	ug/L	100
98)	sec-Butylbenzene	11.486	105	6692683	133.463	ug/L	100
99)	p-Isopropyltoluene	11.648	119	5451651	134.819	ug/L	99
100)	1,3-Dichlorobenzene	11.712	146	2709468	125.140	ug/L	100
101)	1,4-Dichlorobenzene	11.811	146	2725140	123.928	ug/L	98
102)	p-Diethylbenzene	12.037	119	3166725	135.321	ug/L	98
103)	n-Butylbenzene	12.094	91	4991998	133.641	ug/L	100
104)	1,2-Dichlorobenzene	12.243	146	2452723	125.936	ug/L	100
105)	1,2,4,5-Tetramethylben...	12.844	119	4936243	142.100	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.042	155	187245	135.909	ug/L	95
107)	1,3,5-Trichlorobenzene	13.070	180	2066765	129.128	ug/L	98
108)	Hexachlorobutadiene	13.650	225	889385	130.605	ug/L	99
109)	1,2,4-Trichlorobenzene	13.671	180	1801104	134.006	ug/L	100
110)	Naphthalene	13.969	128	3429277	140.309	ug/L	100
111)	1,2,3-Trichlorobenzene	14.138	180	1532703	132.524	ug/L	99

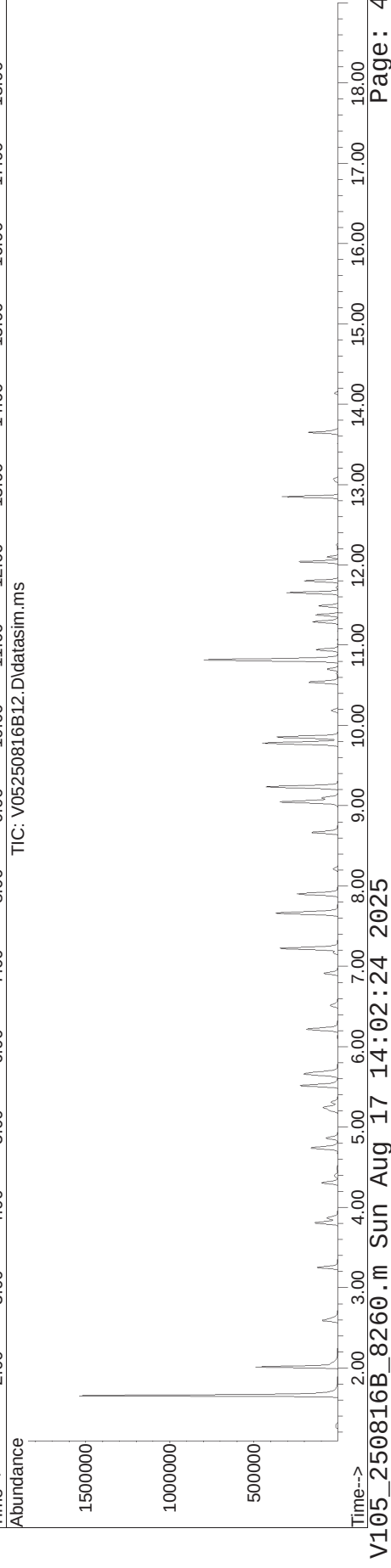
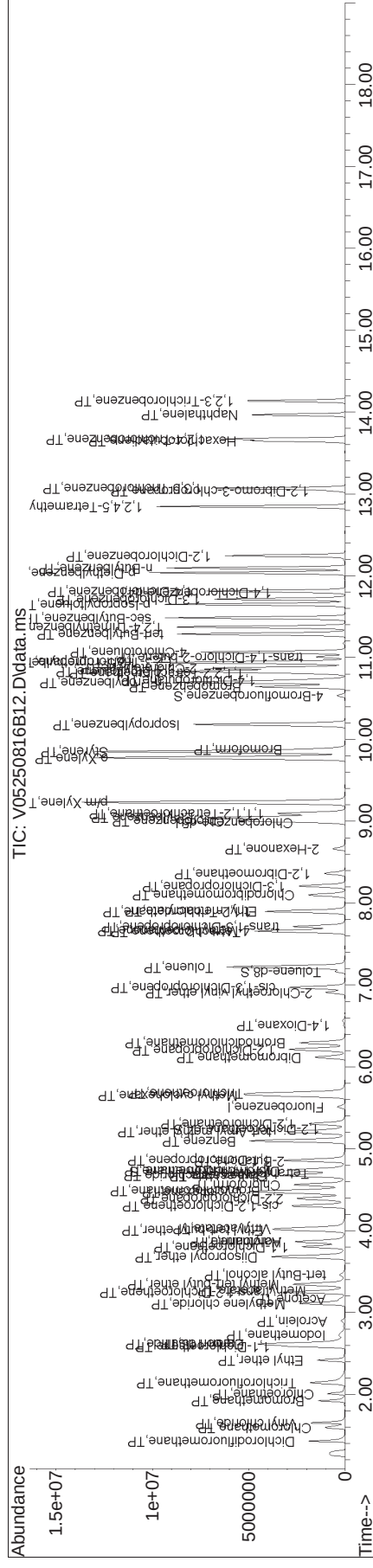
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

Data Path : K:\VOA105\2025\250816BICAL\
Data File : V05250816B12.D
Acq On : 16 Aug 2025 4:13 pm
Operator : VOA105:PID
Sample : I8260STD120PPB
Misc : WG2103935,ICAL (Sig #1); WG
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 17 13:41:11 2025
Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:40:07 2025
Response via : Initial Calibration

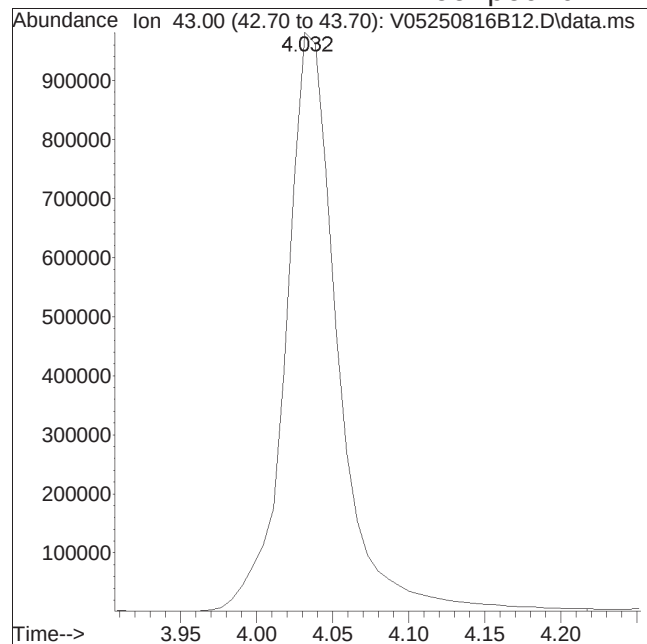
SOALL#E(S) : 8260KCN\QA105M2025\816BDAK\V05250816B09.D•



Manual Integration Report

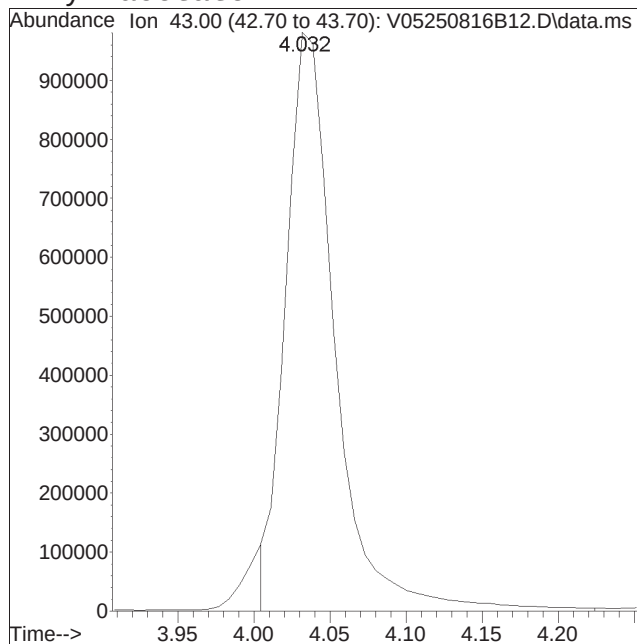
Data Path : K:\VOA105\2025\250816BICALQMethod : V105_250816B_8260.m
Data File : V05250816B12.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 4:13 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 8/17/2025 1:41 pm

Compound #27: Vinyl acetate



Original Peak Response = 2325217

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

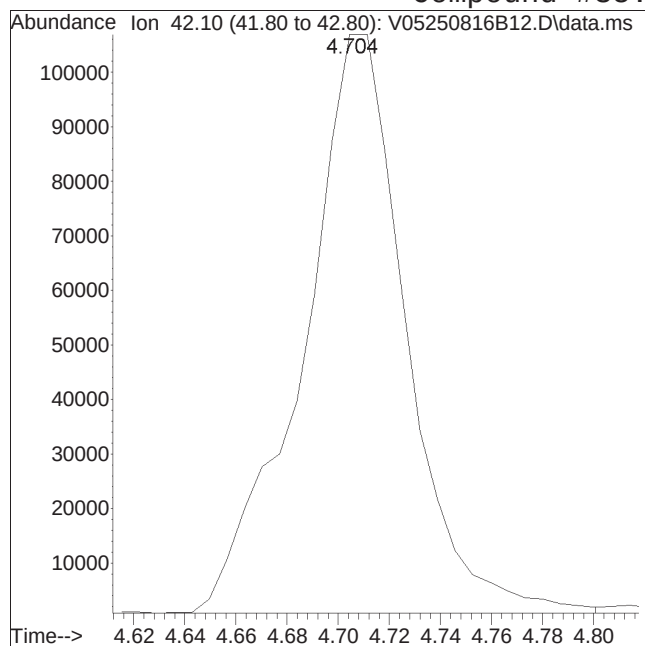


Manual Peak Response = 2240481 M6

Manual Integration Report

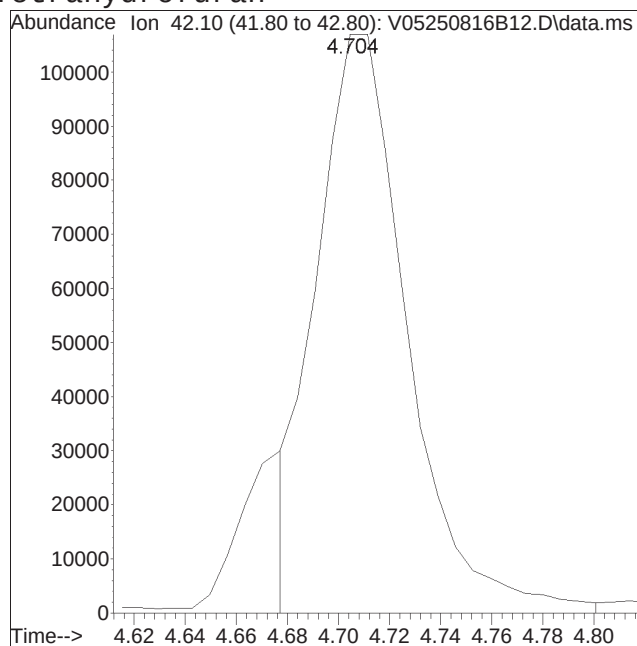
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Data File : V05250816B12.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 4:13 pm Instrument : V0A105
Sample : I8260STD120PPB Quant Date : 8/17/2025 1:41 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 296203

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

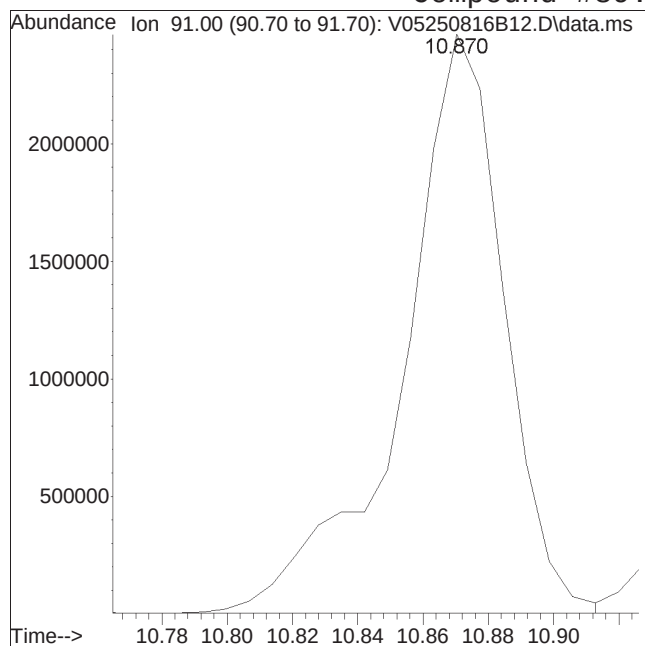


Manual Peak Response = 266164 M6

Manual Integration Report

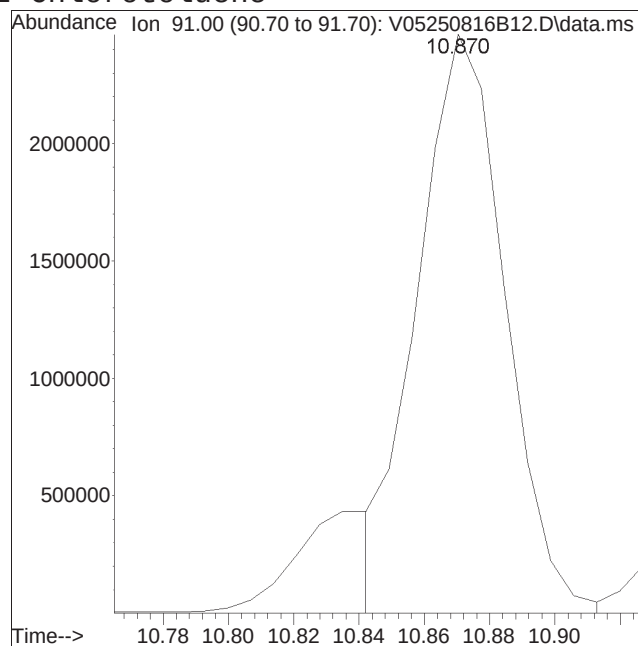
Data Path : K:\VOA105\2025\250816BICALQMethod : V105_250816B_8260.m
Data File : V05250816B12.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 4:13 pm Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 8/17/2025 1:41 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 5292279

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



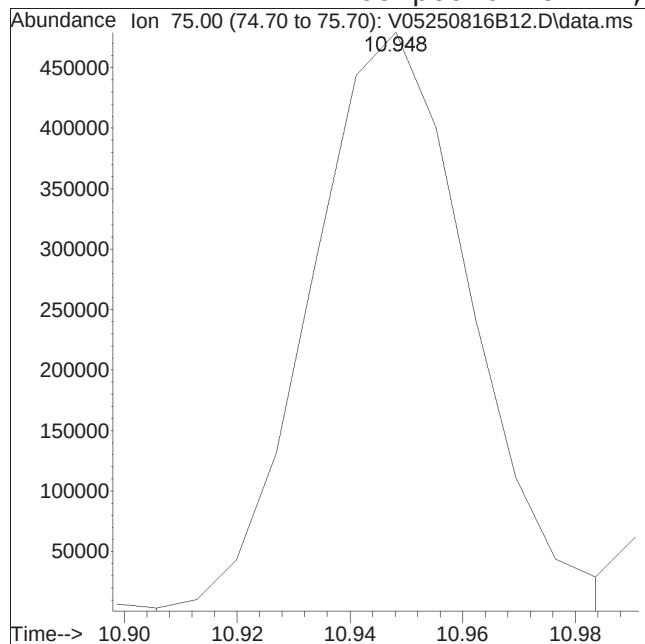
Manual Peak Response = 4599301 M6

Manual Integration Report

Data Path : K:\VOA105\2025\250816BICAL
Data File : V05250816B12.D
Date Inj'd : 8/16/2025 4:13 pm
Sample : I8260STD120PPB

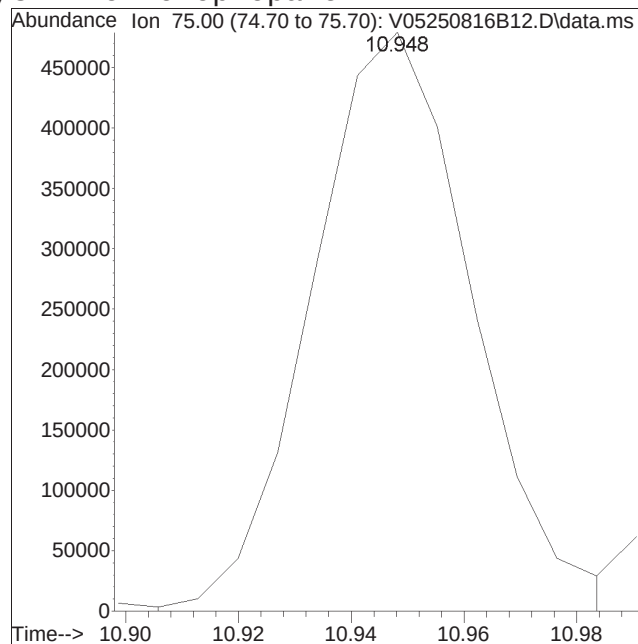
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 8/17/2025 1:41 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 941006

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 945014 M1

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B13.D
 Acq On : 16 Aug 2025 4:38 pm
 Operator : VOA105:PID
 Sample : I8260STD200PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 17 13:41:17 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	479710	10.000	ug/L	0.00
Standard Area 1 = 321270			Recovery	=	149.32%	
59) Chlorobenzene-d5	8.985	117	375980	10.000	ug/L	0.00
Standard Area 1 = 246189			Recovery	=	152.72%	
79) 1,4-Dichlorobenzene-d4	11.797	152	208991	10.000	ug/L	0.00
Standard Area 1 = 142285			Recovery	=	146.88%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	125790	9.212	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	92.12%	
43) 1,2-Dichloroethane-d4	5.245	65	174189	8.913	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	89.13%	
60) Toluene-d8	7.164	98	496744	9.958	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.58%	
83) 4-Bromofluorobenzene	10.538	95	193282	10.176	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.76%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.431	85	3069179	194.594	ug/L	99
3) Chloromethane	1.595	50	3021169	237.239	ug/L	99
4) Vinyl chloride	1.650	62	3094477	211.564	ug/L	99
5) Bromomethane	1.918	94	1530674	240.293	ug/L	97
6) Chloroethane	2.007	64	1402893M1	165.326	ug/L	
7) Trichlorofluoromethane	2.138	101	4220086	180.321	ug/L	100
8) Ethyl ether	2.419	74	1070577	193.301	ug/L	90
10) 1,1-Dichloroethene	2.591	96	1997938	198.695	ug/L	92
11) Carbon disulfide	2.611	76	6725052	196.752	ug/L	99
12) Freon-113	2.618	101	2176194	201.307	ug/L	96
13) Iodomethane	2.721	142	1373199	464.920	ug/L	91
14) Acrolein	2.900	56	370215	202.190	ug/L	98
15) Methylene chloride	3.112	84	2291766	173.422	ug/L	87
17) Acetone	3.167	43	402226	180.081	ug/L	94
18) trans-1,2-Dichloroethene	3.250	96	2316470	201.289	ug/L	91
19) Methyl acetate	3.270	43	1068910	194.861	ug/L	95
20) Methyl tert-butyl ether	3.346	73	5973738	204.979	ug/L	95
21) tert-Butyl alcohol	3.462	59	681100	1083.769	ug/L #	82
22) Diisopropyl ether	3.682	45	8076295	198.469	ug/L	96
23) 1,1-Dichloroethane	3.806	63	5015449	187.294	ug/L	98
24) Halothane	3.867	117	1694868	207.277	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B13.D
 Acq On : 16 Aug 2025 4:38 pm
 Operator : VOA105:PID
 Sample : I8260STD200PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 17 13:41:17 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25)	Acrylonitrile	3.867	53	666340	203.903	ug/L	97
26)	Ethyl tert-butyl ether	4.011	59	7577545	210.859	ug/L	99
27)	Vinyl acetate	4.032	43	4241953	215.636	ug/L	99
28)	cis-1,2-Dichloroethene	4.300	96	2531630	199.157	ug/L	94
29)	2,2-Dichloropropane	4.396	77	4137853	193.556	ug/L	92
30)	Bromochloromethane	4.492	128	912880	174.531	ug/L	88
31)	Cyclohexane	4.471	56	5387616	208.326	ug/L	93
32)	Chloroform	4.561	83	4534746	184.484	ug/L	99
33)	Ethyl acetate	4.670	43	1627415	205.176	ug/L	98
34)	Carbon tetrachloride	4.677	117	4142554	197.896	ug/L	98
35)	Tetrahydrofuran	4.705	42	499209M6	190.388	ug/L	
37)	1,1,1-Trichloroethane	4.739	97	4455548	193.933	ug/L	98
39)	2-Butanone	4.849	43	681116	203.008	ug/L	100
40)	1,1-Dichloropropene	4.863	75	3503661	209.102	ug/L	99
41)	Benzene	5.097	78	10233285	210.471	ug/L	95
42)	tert-Amyl methyl ether	5.210	73	5826395	223.651	ug/L	90
44)	1,2-Dichloroethane	5.309	62	3442942	177.003	ug/L	99
47)	Methyl cyclohexane	5.655	83	4436737	231.619	ug/L	87
48)	Trichloroethene	5.683	95	2623731	199.956	ug/L	99
50)	Dibromomethane	6.120	93	1390628	200.311	ug/L	99
51)	1,2-Dichloropropane	6.219	63	2781030	203.082	ug/L	97
53)	2-Chloroethyl vinyl ether	6.910	63	1076923	217.474	ug/L	90
54)	Bromodichloromethane	6.297	83	3625714	196.375	ug/L	98
57)	1,4-Dioxane	6.515	88	126473	2262.522	ug/L	91
58)	cis-1,3-Dichloropropene	6.974	75	4122008	228.780	ug/L	93
61)	Toluene	7.221	92	6211141	199.245	ug/L	99
62)	4-Methyl-2-pentanone	7.665	58	668686	216.421	ug/L	82
63)	Tetrachloroethene	7.658	166	2792982	205.718	ug/L	97
65)	trans-1,3-Dichloropropene	7.715	75	3596933	228.345	ug/L	94
67)	Ethyl methacrylate	7.905	69	2323581	232.527	ug/L	91
68)	1,1,2-Trichloroethane	7.898	83	1502511	202.277	ug/L	98
69)	Chlorodibromomethane	8.103	129	2448758	210.193	ug/L	98
70)	1,3-Dichloropropane	8.216	76	3376821	205.771	ug/L	99
71)	1,2-Dibromoethane	8.364	107	1806469	213.792	ug/L	100
72)	2-Hexanone	8.660	43	1027427	215.431	ug/L	# 88
73)	Chlorobenzene	9.006	112	6621708	202.075	ug/L	97
74)	Ethylbenzene	9.048	91	12490877	202.863	ug/L	100
75)	1,1,1,2-Tetrachloroethane	9.098	131	2477185	202.904	ug/L	98
76)	p/m Xylene	9.239	106	8809401	405.970	ug/L	96
77)	o Xylene	9.782	106	8409988	409.814	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B13.D
 Acq On : 16 Aug 2025 4:38 pm
 Operator : VOA105:PID
 Sample : I8260STD200PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 17 13:41:17 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:40:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.860	104	13924560	411.492	ug/L	97
80)	Bromoform	9.881	173	1555958	221.794	ug/L	100
82)	Isopropylbenzene	10.185	105	12444486	217.104	ug/L	99
84)	Bromobenzene	10.644	156	2759556	208.327	ug/L	99
85)	n-Propylbenzene	10.701	91	14654685	217.045	ug/L	99
86)	1,4-Dichlorobutane	10.729	55	3727451	201.525	ug/L	96
87)	1,1,2,2-Tetrachloroethane	10.814	83	2054550	223.163	ug/L	98
88)	4-Ethyltoluene	10.835	105	11754093	215.735	ug/L	100
89)	2-Chlorotoluene	10.878	91	8707439M6	207.036	ug/L	
90)	1,3,5-Trimethylbenzene	10.941	105	10134591	210.694	ug/L	99
91)	1,2,3-Trichloropropane	10.948	75	1772798M1	206.051	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.012	53	695292	203.615	ug/L #	79
93)	4-Chlorotoluene	11.069	91	9134142	208.576	ug/L	100
94)	tert-Butylbenzene	11.288	119	8291425	219.639	ug/L	97
97)	1,2,4-Trimethylbenzene	11.373	105	9930106	214.591	ug/L	100
98)	sec-Butylbenzene	11.486	105	12517804	219.805	ug/L	100
99)	p-Isopropyltoluene	11.656	119	10181794	221.716	ug/L	98
100)	1,3-Dichlorobenzene	11.719	146	5010525	203.772	ug/L	100
101)	1,4-Dichlorobenzene	11.818	146	5016539	200.879	ug/L	98
102)	p-Diethylbenzene	12.038	119	5889136	221.593	ug/L	98
103)	n-Butylbenzene	12.094	91	9227836	217.528	ug/L	100
104)	1,2-Dichlorobenzene	12.250	146	4511432	203.970	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.844	119	9089365	230.399	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.042	155	342370	218.818	ug/L	96
107)	1,3,5-Trichlorobenzene	13.070	180	3771877	207.509	ug/L	97
108)	Hexachlorobutadiene	13.650	225	1629305	210.679	ug/L	99
109)	1,2,4-Trichlorobenzene	13.672	180	3249385	212.881	ug/L	100
110)	Naphthalene	13.969	128	6276596	226.128	ug/L	100
111)	1,2,3-Trichlorobenzene	14.139	180	2749834	209.360	ug/L	97

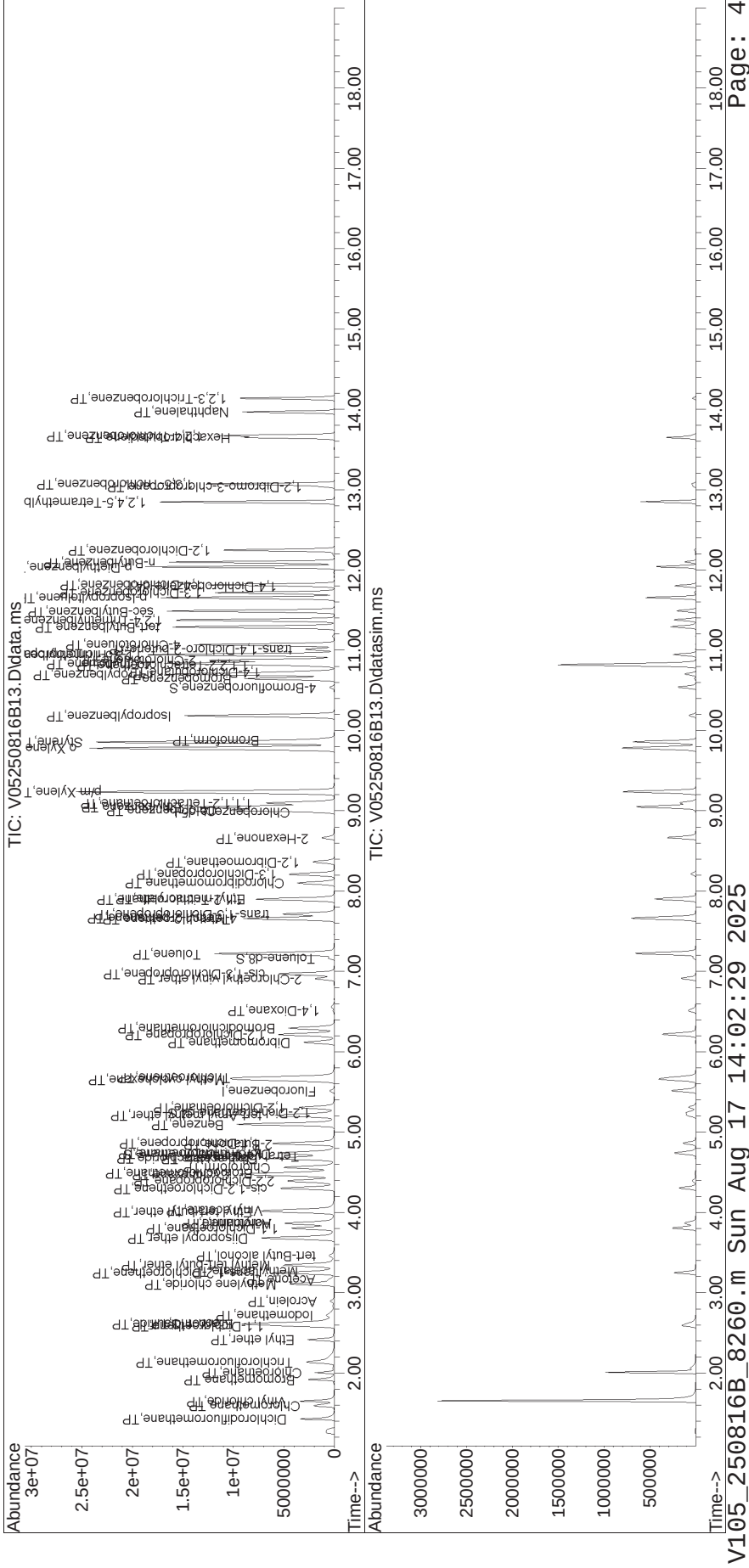
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
Data File : V05250816B13.D
Acq On : 16 Aug 2025 4:38 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 17 13:41:17 2025
Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:40:07 2025
Response via : Initial Calibration

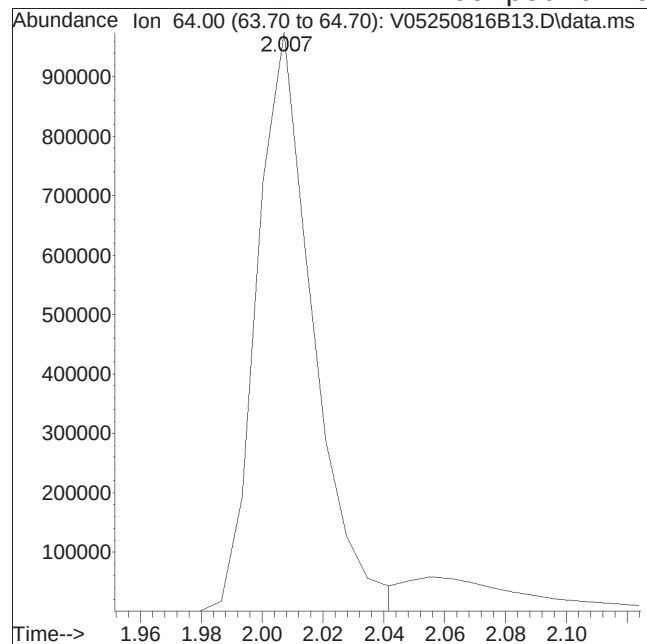
SAMPLE(S) : 8260KCNV0A105MEG0251250816B09.D



Manual Integration Report

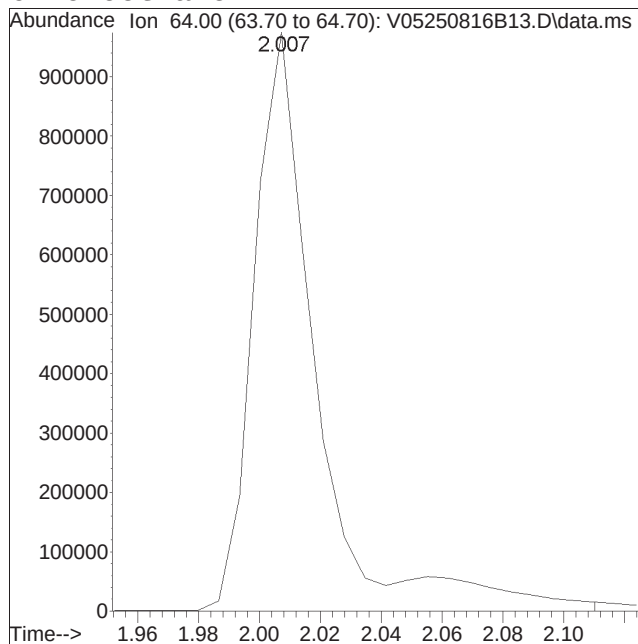
Data Path : K:\VOA105\2025\250816BICALQ Method : V105_250816B_8260.m
Data File : V05250816B13.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 4:38 pm Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 8/17/2025 1:41 pm

Compound #6: Chloroethane



Original Peak Response = 1249103

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

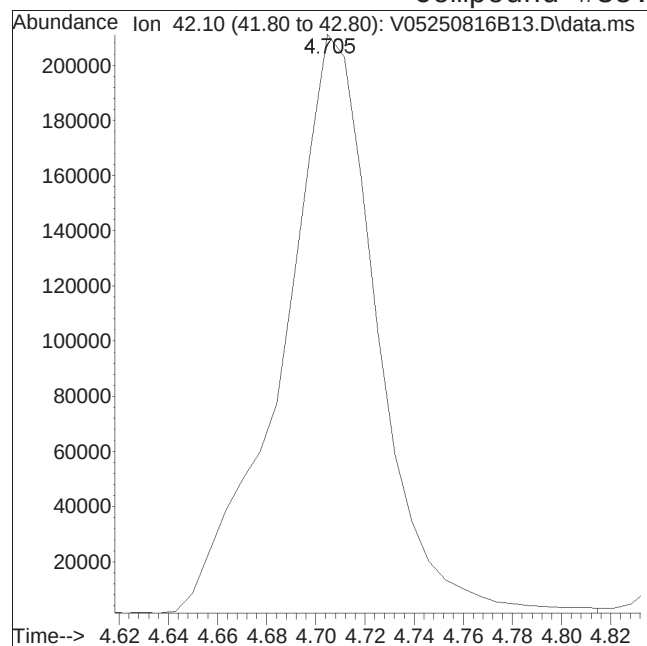


Manual Peak Response = 1402893 M1

Manual Integration Report

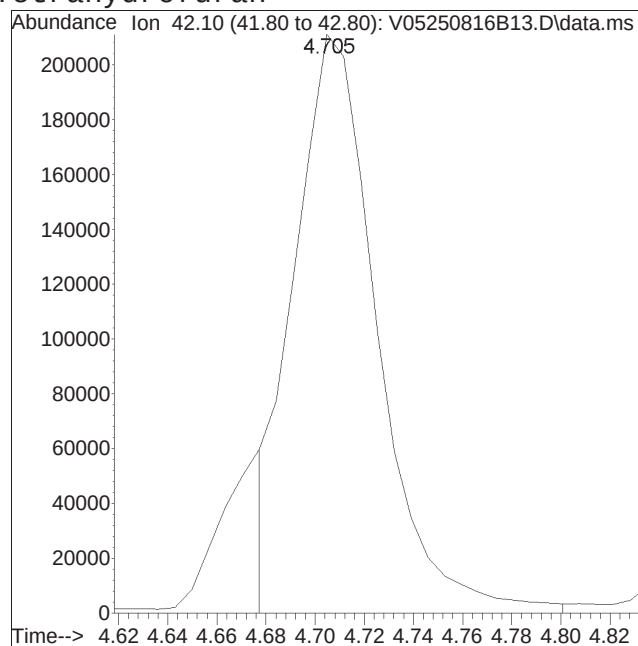
Data Path : K:\V0A105\2025\250816BICALQ Method : V105_250816B_8260.m
Data File : V05250816B13.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 4:38 pm Instrument : V0A105
Sample : I8260STD200PPB Quant Date : 8/17/2025 1:41 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 562296

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

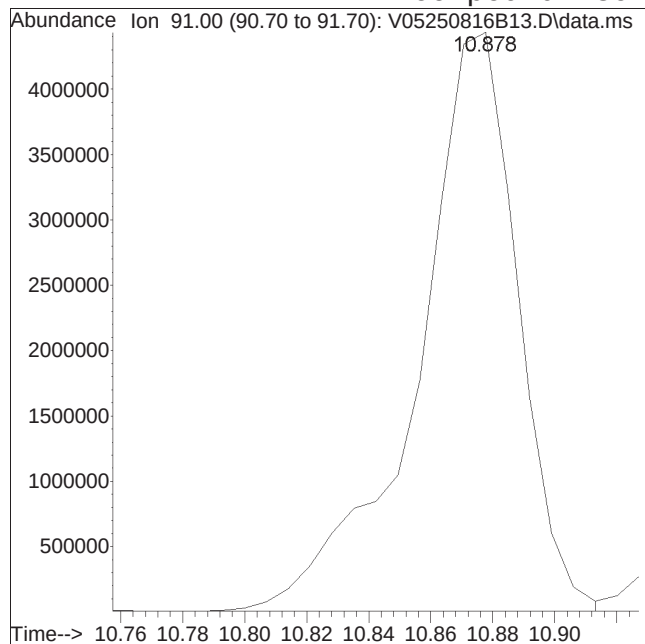


Manual Peak Response = 499209 M6

Manual Integration Report

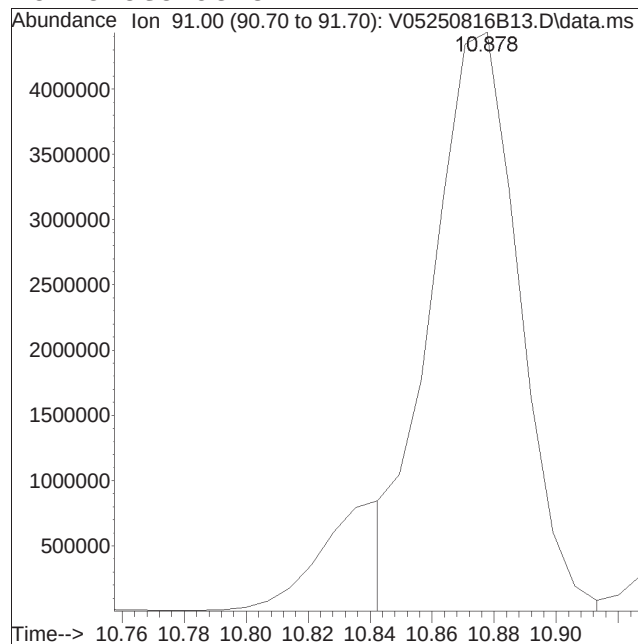
Data Path : K:\VOA105\2025\250816BICALQ Method : V105_250816B_8260.m
Data File : V05250816B13.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 4:38 pm Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 8/17/2025 1:41 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 9888002

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



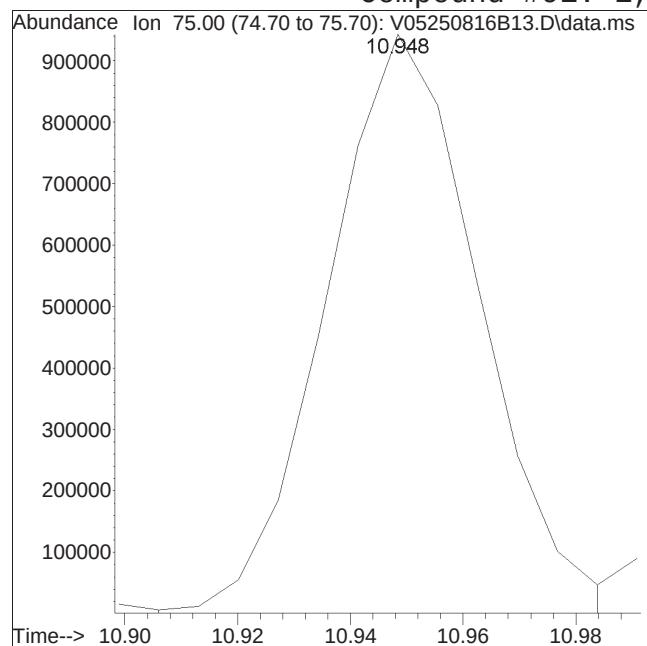
Manual Peak Response = 8707439 M6

Manual Integration Report

Data Path : K:\V0A105\2025\250816BICAL
Data File : V05250816B13.D
Date Inj'd : 8/16/2025 4:38 pm
Sample : I8260STD200PPB

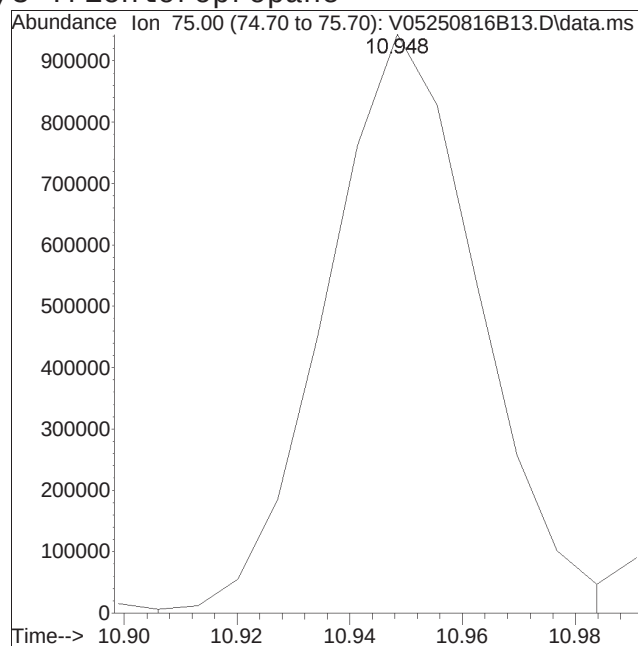
Operator : V0A105:PID
Instrument : V0A105
Quant Date : 8/17/2025 1:41 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1767220

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 1772798 M1

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B18.D
 Acq On : 16 Aug 2025 6:46 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 17 13:49:29 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	120	0.00
2 TP	Dichlorodifluoromethane	0.329	0.339	-3.0	112	0.00
3 TP	Chloromethane	0.265	0.315	-18.9	145	0.00
4 TP	Vinyl chloride	0.305	0.320	-4.9	117	0.00
5 TP	Bromomethane	0.133	0.104	21.8#	102	0.00
6 TP	Chloroethane	0.177	0.168	5.1	108	0.00
7 TP	Trichlorofluoromethane	0.488	0.468	4.1	103	0.00
8 TP	Ethyl ether	0.115	0.100	13.0	100	0.00
10 TP	1,1-Dichloroethene	0.210	0.200	4.8	104	0.00
11 TP	Carbon disulfide	0.713	0.576	19.2	91	0.00
12 TP	Freon-113	0.225	0.200	11.1	95	0.00
13 TP	Iodomethane	0.000	0.000#	0.0	0#	-2.75#
14 TP	Acrolein	0.038	0.016	57.9#	48#	0.00
15 TP	Methylene chloride	* 10.000	10.234	-2.3	117	0.00
17 TP	Acetone	0.047	0.039	17.0	101	0.00
18 TP	trans-1,2-Dichloroethene	0.240	0.242	-0.8	115	0.00
19 TP	Methyl acetate	0.114	0.098	14.0	99	0.00
20 TP	Methyl tert-butyl ether	0.608	0.517	15.0	96	0.00
21 TP	tert-Butyl alcohol	0.013	0.012	7.7	113	0.00
22 TP	Diisopropyl ether	0.848	0.778	8.3	102	0.00
23 TP	1,1-Dichloroethane	0.558	0.548	1.8	107	0.00
24 TP	Halothane	0.170	0.165	2.9	106	0.00
25 TP	Acrylonitrile	0.068	0.061	10.3	103	0.00
26 TP	Ethyl tert-butyl ether	0.749	0.711	5.1	108	0.00
27 TP	Vinyl acetate	* 10.000	8.844	11.6	111	0.00
28 TP	cis-1,2-Dichloroethene	0.265	0.257	3.0	109	0.00
29 TP	2,2-Dichloropropane	0.446	0.405	9.2	98	0.00
30 TP	Bromochloromethane	0.109	0.116	-6.4	115	0.00
31 TP	Cyclohexane	0.539	0.473	12.2	92	0.00
32 TP	Chloroform	0.512	0.497	2.9	107	0.00
33 TP	Ethyl acetate	0.165	0.147	10.9	106	0.00
34 TP	Carbon tetrachloride	0.436	0.402	7.8	98	0.00
35 TP	Tetrahydrofuran	0.055	0.050	9.1	103	0.00
36 S	Dibromofluoromethane	0.285	0.283	0.7	118	0.00
37 TP	1,1,1-Trichloroethane	0.479	0.461	3.8	102	0.00
39 TP	2-Butanone	0.070	0.058	17.1	101	0.00
40 TP	1,1-Dichloropropene	0.349	0.366	-4.9	115	0.00
41 TP	Benzene	1.014	1.042	-2.8	114	0.00
42 TP	tert-Amyl methyl ether	0.543	0.485	10.7	106	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B18.D
 Acq On : 16 Aug 2025 6:46 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 17 13:49:29 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.407	0.397	2.5	109	0.00
44 TP	1,2-Dichloroethane	0.405	0.385	4.9	105	0.00
47 TP	Methyl cyclohexane	0.430	0.340	20.9#	92	0.00
48 TP	Trichloroethene	0.274	0.264	3.6	108	0.00
50 TP	Dibromomethane	0.145	0.137	5.5	108	0.00
51 TP	1,2-Dichloropropane	0.285	0.272	4.6	108	0.00
53 TP	2-Chloroethyl vinyl ether	0.103	0.087	15.5	108	0.00
54 TP	Bromodichloromethane	0.385	0.354	8.1	106	0.00
57 TP	1,4-Dioxane	0.00117	0.00118#	-0.9	125	0.00
58 TP	cis-1,3-Dichloropropene	0.376	0.366	2.7	108	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	117	0.00
60 S	Toluene-d8	1.327	1.337	-0.8	117	0.00
61 TP	Toluene	0.829	0.815	1.7	110	0.00
62 TP	4-Methyl-2-pentanone	0.082	0.070	14.6	104	0.00
63 TP	Tetrachloroethene	0.361	0.356	1.4	106	0.00
65 TP	trans-1,3-Dichloropropene	* 10.000	8.816	11.8	108	0.00
67 TP	Ethyl methacrylate	0.283	0.262	7.4	115	0.00
68 TP	1,1,2-Trichloroethane	0.198	0.194#	2.0	112	0.00
69 TP	Chlorodibromomethane	0.310	0.310	0.0	114	0.00
70 TP	1,3-Dichloropropane	0.436	0.434	0.5	111	0.00
71 TP	1,2-Dibromoethane	0.225	0.223	0.9	111	0.00
72 TP	2-Hexanone	0.127	0.104	18.1	102	0.00
73 TP	Chlorobenzene	0.872	0.862	1.1	109	0.00
74 TP	Ethylbenzene	1.638	1.652	-0.9	109	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.325	0.304	6.5	104	0.00
76 TP	p/m Xylene	0.577	0.582	-0.9	107	0.00
77 TP	o Xylene	0.546	0.548	-0.4	109	0.00
78 TP	Styrene	0.900	0.919	-2.1	109	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	0.00
80 TP	Bromoform	0.336	0.320	4.8	110	0.00
82 TP	Isopropylbenzene	2.743	2.675	2.5	106	0.00
83 S	4-Bromofluorobenzene	0.909	0.911	-0.2	115	0.00
84 TP	Bromobenzene	0.634	0.627	1.1	113	0.00
85 TP	n-Propylbenzene	3.231	3.273	-1.3	109	0.00
86 TP	1,4-Dichlorobutane	0.885	0.894	-1.0	110	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.441	0.423	4.1	108	0.00
88 TP	4-Ethyltoluene	2.607	2.718	-4.3	112	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B18.D
 Acq On : 16 Aug 2025 6:46 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 17 13:49:29 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	2.012	2.007	0.2	106	0.00
90 TP	1,3,5-Trimethylbenzene	2.302	2.279	1.0	106	0.00
91 TP	1,2,3-Trichloropropane	0.412	0.388	5.8	108	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.163	0.146	10.4	109	0.00
93 TP	4-Chlorotoluene	2.095	2.065	1.4	109	0.00
94 TP	tert-Butylbenzene	1.806	1.758	2.7	106	0.00
97 TP	1,2,4-Trimethylbenzene	2.214	2.331	-5.3	110	0.00
98 TP	sec-Butylbenzene	2.725	2.703	0.8	106	0.00
99 TP	p-Isopropyltoluene	2.197	2.183	0.6	105	0.00
100 TP	1,3-Dichlorobenzene	1.177	1.144	2.8	108	0.00
101 TP	1,4-Dichlorobenzene	1.195	1.142	4.4	109	0.00
102 TP	p-Diethylbenzene	1.272	1.269	0.2	106	0.00
103 TP	n-Butylbenzene	2.030	2.102	-3.5	109	0.00
104 TP	1,2-Dichlorobenzene	1.058	1.030	2.6	108	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.015	1.929	4.3	114	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.075	0.070	6.7	113	0.00
107 TP	1,3,5-Trichlorobenzene	0.870	0.813	6.6	103	0.00
108 TP	Hexachlorobutadiene	0.370	0.349	5.7	103	0.00
109 TP	1,2,4-Trichlorobenzene	0.730	0.732	-0.3	111	0.00
110 TP	Naphthalene	* 10.000	9.108	8.9	113	0.00
111 TP	1,2,3-Trichlorobenzene	0.628	0.610	2.9	106	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B18.D
 Acq On : 16 Aug 2025 6:46 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 17 13:49:29 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	385187	10.000	ug/L	0.00
Standard Area 1 = 321270			Recovery	=	119.90%	
59) Chlorobenzene-d5	8.985	117	287234	10.000	ug/L	0.00
Standard Area 1 = 246189			Recovery	=	116.67%	
79) 1,4-Dichlorobenzene-d4	11.797	152	167868	10.000	ug/L	0.00
Standard Area 1 = 142285			Recovery	=	117.98%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	108952	9.937	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.37%	
43) 1,2-Dichloroethane-d4	5.238	65	152960	9.747	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.47%	
60) Toluene-d8	7.164	98	384011	10.076	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.76%	
83) 4-Bromofluorobenzene	10.531	95	152962	10.026	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.26%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.430	85	130587	10.311	ug/L	98
3) Chloromethane	1.595	50	121379	11.870	ug/L	99
4) Vinyl chloride	1.657	62	123300	10.498	ug/L	99
5) Bromomethane	1.925	94	39909	7.803	ug/L	96
6) Chloroethane	2.014	64	64675	9.492	ug/L	99
7) Trichlorofluoromethane	2.144	101	180445	9.602	ug/L	100
8) Ethyl ether	2.419	74	38615	8.683	ug/L	97
10) 1,1-Dichloroethene	2.590	96	76928	9.528	ug/L	96
11) Carbon disulfide	2.618	76	221677	8.077	ug/L	98
12) Freon-113	2.618	101	76891	8.858	ug/L	95
13) Iodomethane	0.000		0	N.D.	d	
14) Acrolein	2.899	56	6151M6	4.184	ug/L	
15) Methylene chloride	3.112	84	97570	10.234	ug/L	95
17) Acetone	3.174	43	14843	8.276	ug/L	89
18) trans-1,2-Dichloroethene	3.249	96	93396	10.107	ug/L	92
19) Methyl acetate	3.277	43	37830M6	8.589	ug/L	
20) Methyl tert-butyl ether	3.345	73	199122	8.509	ug/L	99
21) tert-Butyl alcohol	3.462	59	23255	46.084	ug/L #	80
22) Diisopropyl ether	3.682	45	299787	9.175	ug/L	98
23) 1,1-Dichloroethane	3.805	63	210915	9.809	ug/L	99
24) Halothane	3.867	117	63510	9.673	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B18.D
 Acq On : 16 Aug 2025 6:46 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2103935, ICAL (Sig #1); WG, ICAL22511 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 17 13:49:29 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.881	53	23521	8.964	ug/L	97
26) Ethyl tert-butyl ether	4.018	59	273765	9.487	ug/L	99
27) Vinyl acetate	4.039	43	139241M6	8.844	ug/L	
28) cis-1,2-Dichloroethene	4.306	96	99004	9.700	ug/L	95
29) 2,2-Dichloropropane	4.396	77	155814	9.077	ug/L	97
30) Bromochloromethane	4.492	128	44578	10.614	ug/L	92
31) Cyclohexane	4.471	56	182350	8.781	ug/L	97
32) Chloroform	4.560	83	191290	9.692	ug/L	98
33) Ethyl acetate	4.677	43	56678	8.899	ug/L #	96
34) Carbon tetrachloride	4.677	117	154840	9.212	ug/L	98
35) Tetrahydrofuran	4.711	42	19281M6	9.158	ug/L	
37) 1,1,1-Trichloroethane	4.739	97	177718	9.634	ug/L	99
39) 2-Butanone	4.856	43	22434	8.327	ug/L	89
40) 1,1-Dichloropropene	4.862	75	141169	10.493	ug/L	100
41) Benzene	5.097	78	401401	10.282	ug/L	98
42) tert-Amyl methyl ether	5.210	73	186853	8.933	ug/L	96
44) 1,2-Dichloroethane	5.309	62	148362	9.499	ug/L	97
47) Methyl cyclohexane	5.654	83	131047	7.907	ug/L	95
48) Trichloroethene	5.683	95	101681	9.651	ug/L	99
50) Dibromomethane	6.120	93	52894	9.489	ug/L	98
51) 1,2-Dichloropropane	6.219	63	104737	9.525	ug/L	98
53) 2-Chloroethyl vinyl ether	6.917	63	33565	8.441	ug/L	92
54) Bromodichloromethane	6.296	83	136332	9.196	ug/L	99
57) 1,4-Dioxane	6.508	88	22645	504.515	ug/L	97
58) cis-1,3-Dichloropropene	6.967	75	140951	9.743	ug/L	98
61) Toluene	7.221	92	234111	9.830	ug/L	100
62) 4-Methyl-2-pentanone	7.672	58	20058	8.498	ug/L	95
63) Tetrachloroethene	7.658	166	102127	9.846	ug/L	98
65) trans-1,3-Dichloropropene	7.722	75	121449	8.816	ug/L	98
67) Ethyl methacrylate	7.905	69	75190	9.240	ug/L	98
68) 1,1,2-Trichloroethane	7.898	83	55673	9.811	ug/L	99
69) Chlorodibromomethane	8.103	129	88989	9.999	ug/L	99
70) 1,3-Dichloropropane	8.216	76	124544	9.934	ug/L	99
71) 1,2-Dibromoethane	8.364	107	64009	9.916	ug/L	99
72) 2-Hexanone	8.674	43	29910	8.209	ug/L	99
73) Chlorobenzene	9.006	112	247492	9.886	ug/L	99
74) Ethylbenzene	9.041	91	474619	10.090	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.098	131	87438	9.375	ug/L	98
76) p/m Xylene	9.232	106	334610	20.184	ug/L	98
77) o Xylene	9.775	106	314955	20.089	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250816BICAL\
 Data File : V05250816B18.D
 Acq On : 16 Aug 2025 6:46 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2103935,ICAL (Sig #1); WG,ICAL22511 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 17 13:49:29 2025
 Quant Method : K:\VOA105\2025\250816BICAL\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250816BICAL\V05250816B09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.852	104	527962	20.423	ug/L	99
80)	Bromoform	9.874	173	53660	9.523	ug/L	98
82)	Isopropylbenzene	10.184	105	449019	9.753	ug/L	100
84)	Bromobenzene	10.644	156	105269	9.894	ug/L	99
85)	n-Propylbenzene	10.694	91	549492	10.132	ug/L	100
86)	1,4-Dichlorobutane	10.722	55	150068	10.101	ug/L	99
87)	1,1,2,2-Tetrachloroethane	10.814	83	71084	9.613	ug/L	98
88)	4-Ethyltoluene	10.828	105	456316	10.427	ug/L	100
89)	2-Chlorotoluene	10.870	91	336874M6	9.972	ug/L	
90)	1,3,5-Trimethylbenzene	10.934	105	382603	9.903	ug/L	99
91)	1,2,3-Trichloropropane	10.948	75	65144M1	9.426	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.012	53	24446	8.913	ug/L	96
93)	4-Chlorotoluene	11.061	91	346704	9.856	ug/L	99
94)	tert-Butylbenzene	11.288	119	295046	9.730	ug/L	98
97)	1,2,4-Trimethylbenzene	11.373	105	391320	10.528	ug/L	99
98)	sec-Butylbenzene	11.486	105	453733	9.919	ug/L	99
99)	p-Isopropyltoluene	11.649	119	366398	9.933	ug/L	99
100)	1,3-Dichlorobenzene	11.712	146	192122	9.727	ug/L	99
101)	1,4-Dichlorobenzene	11.811	146	191756	9.560	ug/L	99
102)	p-Diethylbenzene	12.030	119	213031	9.979	ug/L	99
103)	n-Butylbenzene	12.094	91	352917	10.357	ug/L	99
104)	1,2-Dichlorobenzene	12.243	146	172834	9.728	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.844	119	323786	9.571	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.042	155	11695	9.306	ug/L	98
107)	1,3,5-Trichlorobenzene	13.070	180	136542	9.352	ug/L	100
108)	Hexachlorobutadiene	13.650	225	58539	9.424	ug/L	98
109)	1,2,4-Trichlorobenzene	13.671	180	122869	10.022	ug/L	99
110)	Naphthalene	13.969	128	223901	9.108	ug/L	100
111)	1,2,3-Trichlorobenzene	14.138	180	102467	9.712	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

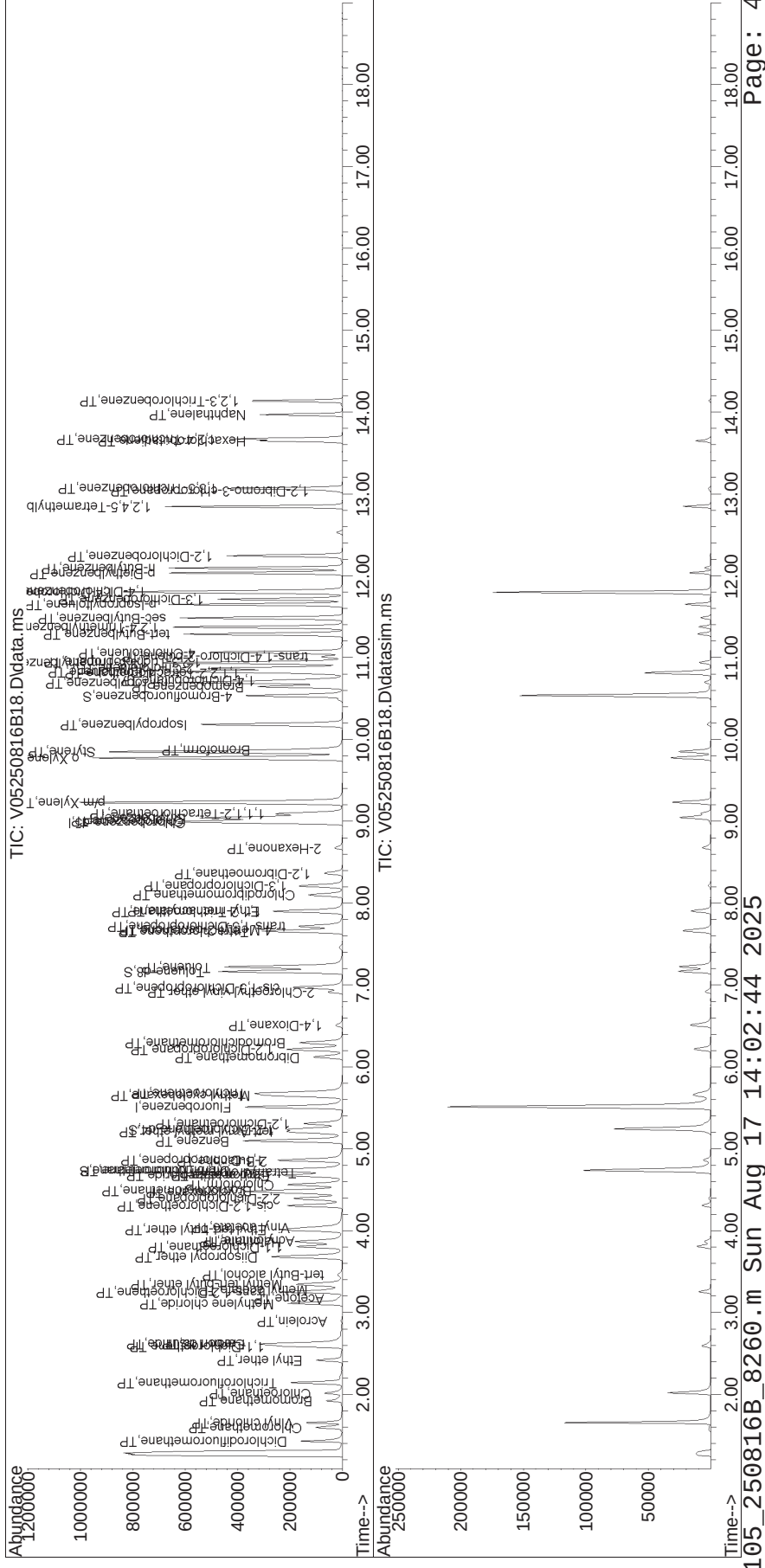
```

Data Path      : K:\VOA105\2025\250816BICAL\
Data File     : V05250816B18.D
Acq On       : 16 Aug 2025   6:46 pm
Operator      : VOA105:PID
Sample        : C8260STD10PPB
Misc          : WG2103935, ICAL (Sig #1); WG
ALS Vial      : 18   Sample Multiplier: 1

```

Quant Time: Aug 17 13:49:29 2025
Quant Method : K:\VOA105\2025\25
Quant Title : VOLATILES BY GC/M
Qlast Update : Sun Aug 17 13:47:
Response via : Initial Calibrati

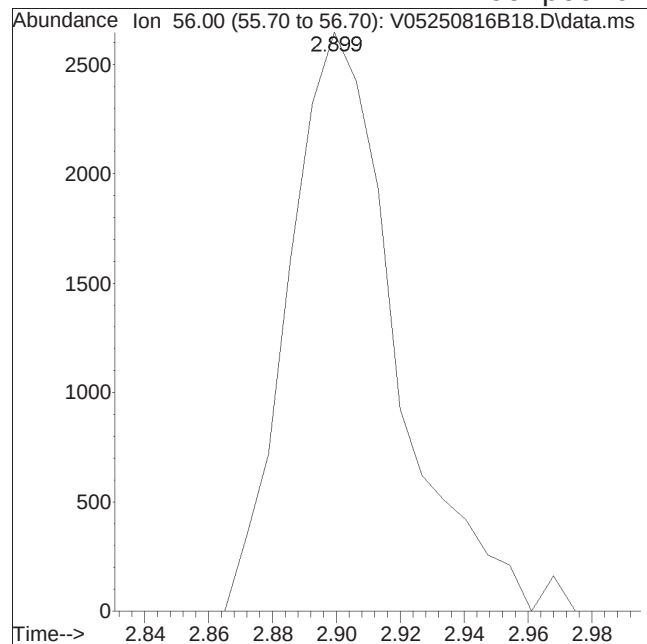
SOALLISTE(S) : 8260KCNVOA105N292AKI2508



Manual Integration Report

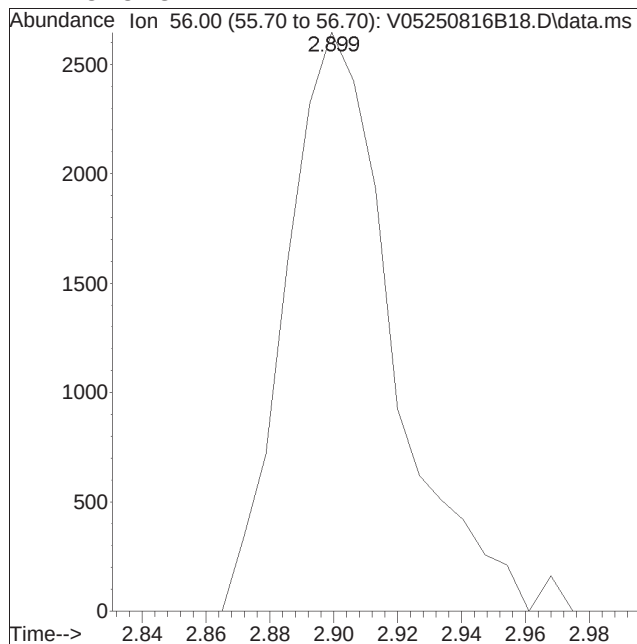
Data Path : K:\VOA105\2025\250816BICALQMethod : V105_250816B_8260.m
Data File : V05250816B18.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 6:46 pm Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 8/17/2025 1:48 pm

Compound #14: Acrolein



Original Peak Response = 6217

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



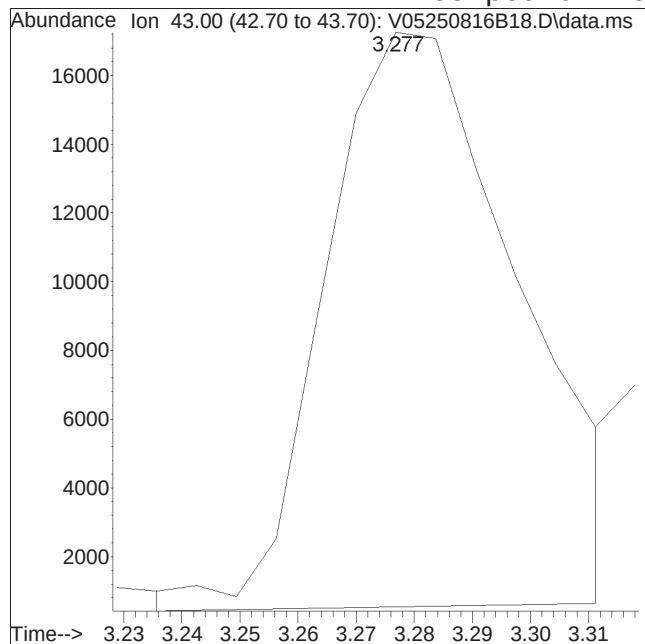
Manual Peak Response = 6151 M6

Manual Integration Report

Data Path : K:\V0A105\2025\250816BICALQ
Data File : V05250816B18.D
Date Inj'd : 8/16/2025 6:46 pm
Sample : C8260STD10PPB

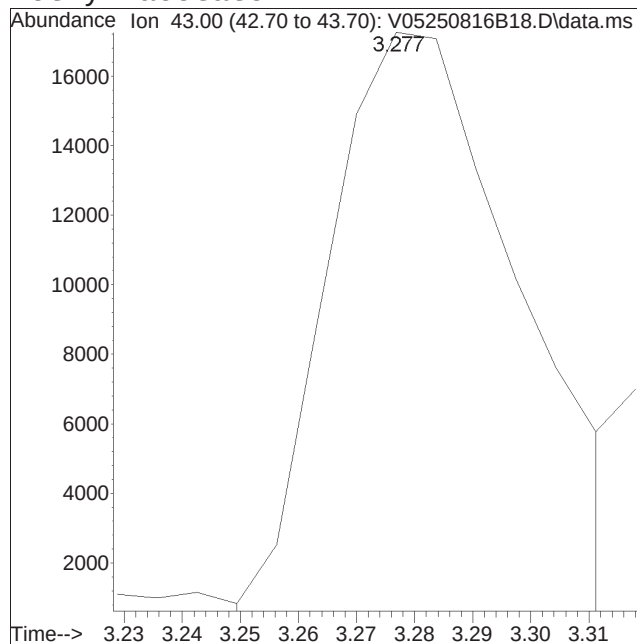
Method : V105_250816B_8260.m
Operator : V0A105:PID
Instrument : V0A105
Quant Date : 8/17/2025 1:48 pm

Compound #19: Methyl acetate



Original Peak Response = 38563

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

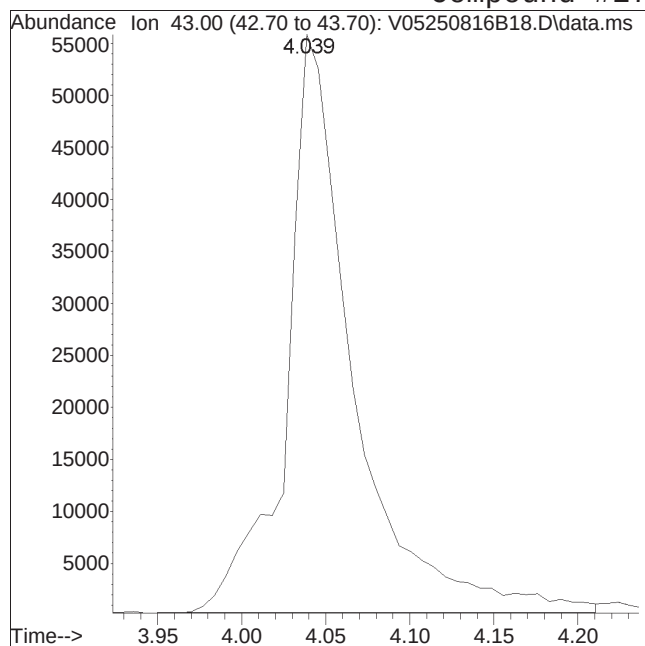


Manual Peak Response = 37830 M6

Manual Integration Report

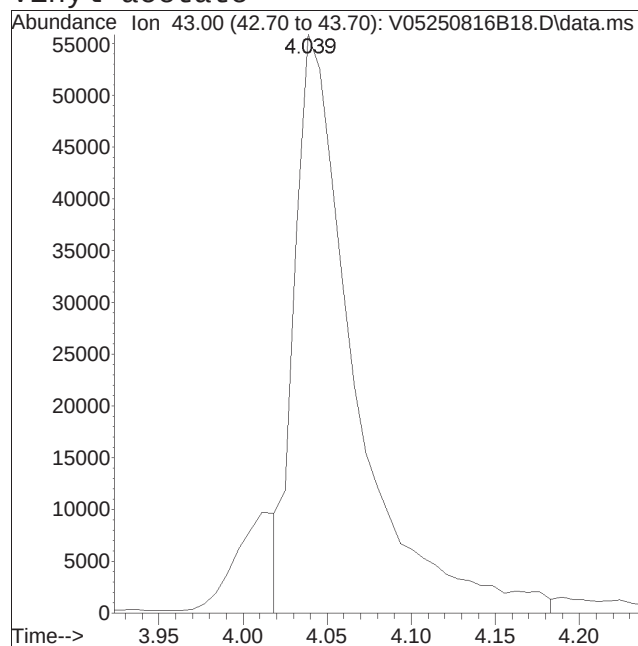
Data Path : K:\VOA105\2025\250816BICAL\
Data File : V05250816B18.D Operator : VOA105:PID
Date Inj'd : 8/16/2025 6:46 pm Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 8/17/2025 1:48 pm

Compound #27: Vinyl acetate



Original Peak Response = 154247

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

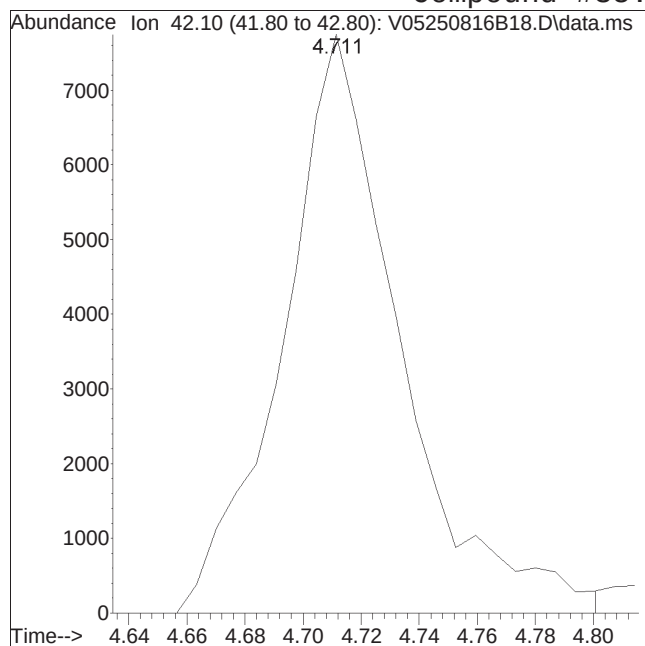


Manual Peak Response = 139241 M6

Manual Integration Report

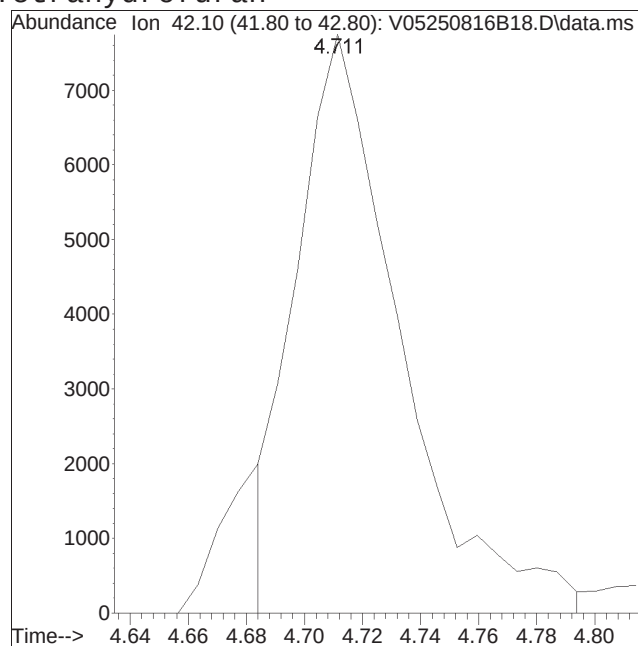
Data Path : K:\V0A105\2025\250816BICALQ Method : V105_250816B_8260.m
Data File : V05250816B18.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 6:46 pm Instrument : V0A105
Sample : C8260STD10PPB Quant Date : 8/17/2025 1:48 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 21522

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

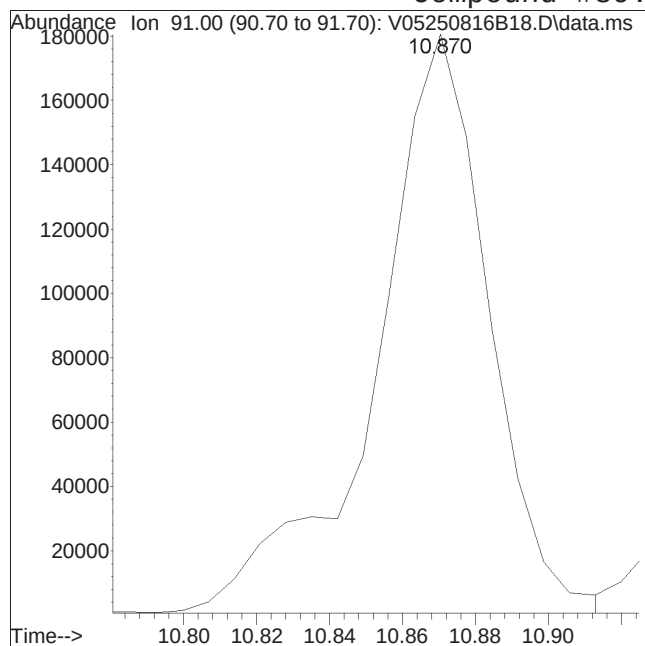


Manual Peak Response = 19281 M6

Manual Integration Report

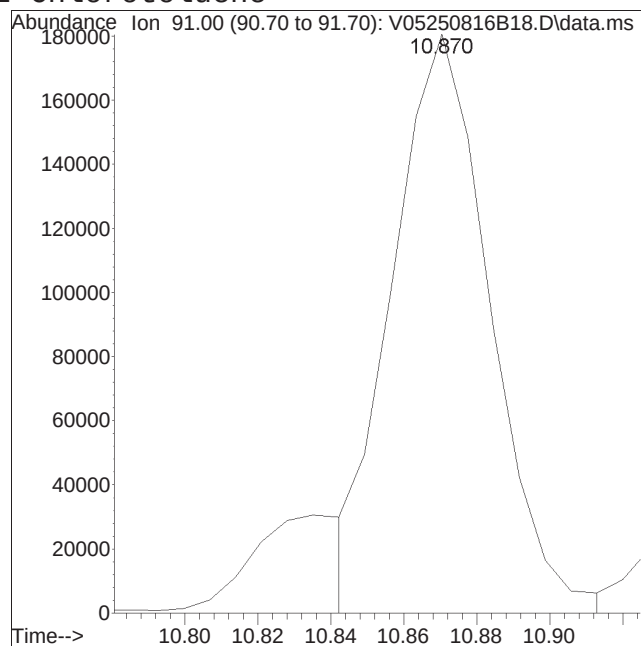
Data Path : K:\V0A105\2025\250816BICALQ Method : V105_250816B_8260.m
Data File : V05250816B18.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 6:46 pm Instrument : V0A105
Sample : C8260STD10PPB Quant Date : 8/17/2025 1:48 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 386416

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

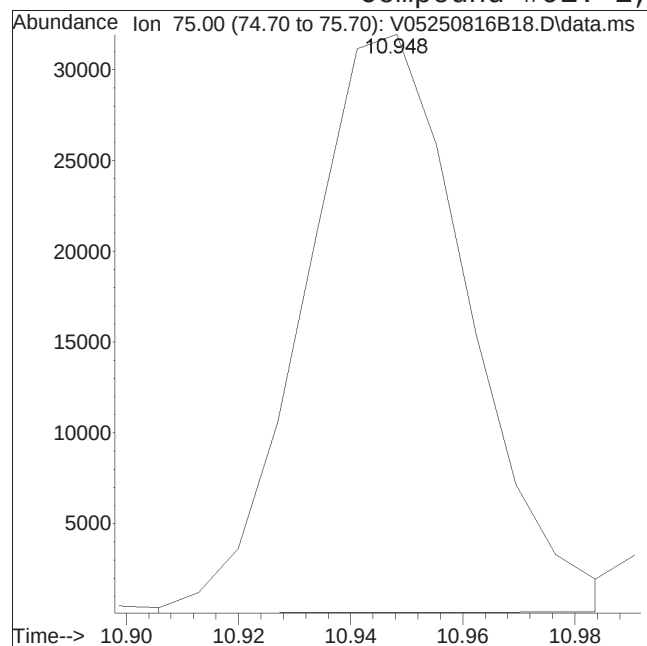


Manual Peak Response = 336874 M6

Manual Integration Report

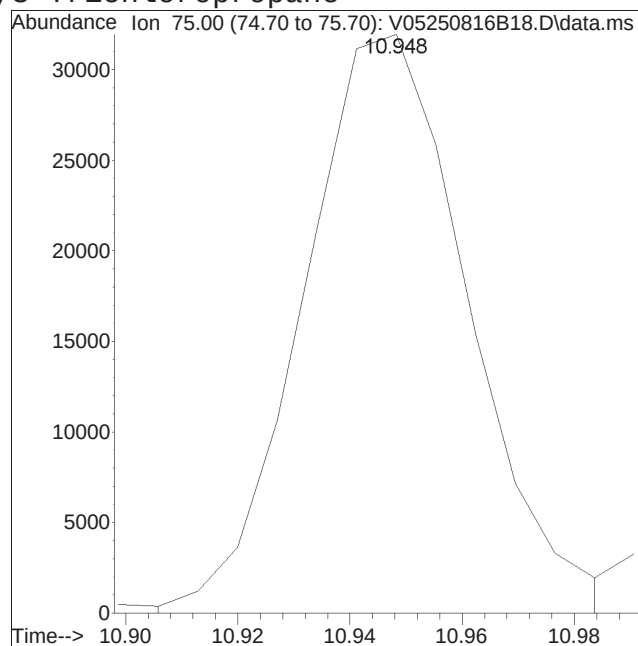
Data Path : K:\V0A105\2025\250816BICAL
Data File : V05250816B18.D Operator : V0A105:PID
Date Inj'd : 8/16/2025 6:46 pm Instrument : V0A105
Sample : C8260STD10PPB Quant Date : 8/17/2025 1:48 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 64628

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 65144 M1

Method Path : K:\VOA105\2025\250816BICAL\
 Method File : V105_250816B_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Sun Aug 17 13:47:41 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
15 TP	Methylene chloride	L	ug/L	10.0	10.506	5.1	0.50	0.491	-1.8
27 TP	Vinyl acetate	L	ug/L	10.0	9.443	-5.6	2.00	1.998	-0.1
65 TP	trans-1,3-Dichloropropene	L	ug/L	10.0	9.541	-4.6	0.19	0.244	28.4
110 TP	Naphthalene	L	ug/L	10.0	9.468	-5.3	0.50	0.622	24.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
15 TP	Methylene chloride	Linear	0.999876	0.000000	0.237838	0.00990826
27 TP	Vinyl acetate	Linear	0.999137	0.000000	0.456605	-0.0423519
65 TP	trans-1,3-Dichloropropene	Linear	0.999345	0.000000	0.48746	-0.00691669
110 TP	Naphthalene	Linear	0.999448	0.000000	1.51984	-0.0504649

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : ELAINE
 Lab File ID : VE250910N03
 Sample No : WG2113365-2
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/10/25 21:17
 Init. Calib. Date(s) : 08/08/25 08/08/25
 Init. Calib. Times : 02:00 06:00

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	56	0
Dichlorodifluoromethane	0.221	0.247	-	-11.8	20	60	0
Chloromethane	0.313	0.24	-	23.3*	20	41	0
Vinyl chloride	0.271	0.329	-	-21.4*	20	65	0
Bromomethane	0.118	0.063	-	46.6*	20	31	0
Chloroethane	0.148	0.191	-	-29.1*	20	68	0
Trichlorofluoromethane	0.299	0.319	-	-6.7	20	59	0
Ethyl ether	0.113	0.121	-	-7.1	20	58	0
1,1-Dichloroethene	0.18	0.191	-	-6.1	20	58	0
Carbon disulfide	0.529	0.599	-	-13.2	20	61	0
Freon-113	0.18	0.186	-	-3.3	20	56	0
Acrolein	10	10.233	-	-2.3	20	56	0
Methylene chloride	10	11.647	-	-16.5	20	62	0
Acetone	10	11.589	-	-15.9	20	67	0
trans-1,2-Dichloroethene	0.216	0.229	-	-6	20	59	0
Methyl acetate	0.112	0.113	-	-0.9	20	58	0
Methyl tert-butyl ether	0.578	0.541	-	6.4	20	53	0
tert-Butyl alcohol	0.015	0.016	-	-6.7	20	60	0
Diisopropyl ether	0.809	0.883	-	-9.1	20	63	0
1,1-Dichloroethane	0.462	0.564	-	-22.1*	20	66	0
Halothane	0.164	0.172	-	-4.9	20	57	0
Acrylonitrile	0.067	0.085	-	-26.9*	20	69	0
Ethyl tert-butyl ether	0.778	0.764	-	1.8	20	58	0
Vinyl acetate	0.233	0.418	-	-79.4*	20	109	0
cis-1,2-Dichloroethene	0.245	0.269	-	-9.8	20	60	0
2,2-Dichloropropane	0.355	0.328	-	7.6	20	51	0
Bromochloromethane	0.108	0.121	-	-12	20	62	0
Cyclohexane	0.526	0.558	-	-6.1	20	58	0
Chloroform	0.406	0.438	-	-7.9	20	60	0
Ethyl acetate	0.161	0.173	-	-7.5	20	61	0
Carbon tetrachloride	0.316	0.34	-	-7.6	20	65	0
Tetrahydrofuran	0.05	0.053	-	-6	20	62	0
Dibromofluoromethane	0.262	0.262	-	0	20	56	0
1,1,1-Trichloroethane	0.34	0.346	-	-1.8	20	56	0
2-Butanone	0.068	0.073	-	-7.4	20	62	0
1,1-Dichloropropene	0.277	0.281	-	-1.4	20	55	0
Benzene	0.896	0.964	-	-7.6	20	62	0
tert-Amyl methyl ether	0.558	0.504	-	9.7	20	52	0
1,2-Dichloroethane-d4	0.342	0.33	-	3.5	20	51	0
1,2-Dichloroethane	0.34	0.335	-	1.5	20	55	0
Methyl cyclohexane	0.389	0.372	-	4.4	20	54	0
Trichloroethene	0.226	0.233	-	-3.1	20	58	0
Dibromomethane	0.127	0.126	-	0.8	20	57	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : ELAINE
 Lab File ID : VE250910N03
 Sample No : WG2113365-2
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/10/25 21:17
 Init. Calib. Date(s) : 08/08/25 08/08/25
 Init. Calib. Times : 02:00 06:00

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.263	0.301	-	-14.4	20	63	0
Bromodichloromethane	0.313	0.313	-	0	20	57	0
1,4-Dioxane	0.0015	0.00162*	-	-8	20	61	0
cis-1,3-Dichloropropene	0.362	0.357	-	1.4	20	54	0
Chlorobenzene-d5	1	1	-	0	20	53	0
Toluene-d8	1.329	1.377	-	-3.6	20	55	0
Toluene	0.678	0.779	-	-14.9	20	60	0
4-Methyl-2-pentanone	0.083	0.091	-	-9.6	20	59	0
Tetrachloroethene	0.277	0.325	-	-17.3	20	60	0
trans-1,3-Dichloropropene	0.39	0.394	-	-1	20	54	0
Ethyl methacrylate	0.291	0.287	-	1.4	20	52	0
1,1,2-Trichloroethane	0.18	0.204	-	-13.3	20	62	0
Chlorodibromomethane	0.272	0.278	-	-2.2	20	56	0
1,3-Dichloropropane	0.403	0.445	-	-10.4	20	60	0
1,2-Dibromoethane	0.223	0.235	-	-5.4	20	58	0
2-Hexanone	0.134	0.138	-	-3	20	53	0
Chlorobenzene	0.766	0.868	-	-13.3	20	59	0
Ethylbenzene	1.357	1.493	-	-10	20	56	0
1,1,1,2-Tetrachloroethane	0.272	0.295	-	-8.5	20	61	0
p/m Xylene	0.513	0.574	-	-11.9	20	58	0
o Xylene	0.509	0.571	-	-12.2	20	58	0
Styrene	0.845	0.939	-	-11.1	20	57	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	58	0
Bromoform	0.296	0.281	-	5.1	20	57	0
Isopropylbenzene	2.806	2.736	-	2.5	20	55	0
4-Bromofluorobenzene	0.983	0.878	-	10.7	20	52	0
Bromobenzene	0.621	0.668	-	-7.6	20	61	0
n-Propylbenzene	3.214	3.256	-	-1.3	20	58	0
1,4-Dichlorobutane	0.943	1.033	-	-9.5	20	62	0
1,1,2,2-Tetrachloroethane	0.489	0.498	-	-1.8	20	62	0
4-Ethyltoluene	2.682	2.696	-	-0.5	20	58	0
2-Chlorotoluene	1.963	1.948	-	0.8	20	58	0
1,3,5-Trimethylbenzene	2.344	2.399	-	-2.3	20	58	0
1,2,3-Trichloropropane	0.405	0.423	-	-4.4	20	61	0
trans-1,4-Dichloro-2-buten	0.192	0.172	-	10.4	20	53	0
4-Chlorotoluene	2.083	2.117	-	-1.6	20	59	0
tert-Butylbenzene	2.015	1.966	-	2.4	20	55	0
1,2,4-Trimethylbenzene	2.302	2.387	-	-3.7	20	59	0
sec-Butylbenzene	2.968	2.889	-	2.7	20	56	0
p-Isopropyltoluene	2.546	2.524	-	0.9	20	56	0
1,3-Dichlorobenzene	1.26	1.412	-	-12.1	20	63	0
1,4-Dichlorobenzene	1.234	1.362	-	-10.4	20	64	0
p-Diethylbenzene	1.524	1.505	-	1.2	20	57	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : ELAINE
 Lab File ID : VE250910N03
 Sample No : WG2113365-2
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/10/25 21:17
 Init. Calib. Date(s) : 08/08/25 08/08/25
 Init. Calib. Times : 02:00 06:00

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.141	2.155	-	-0.7	20	58	0
1,2-Dichlorobenzene	1.198	1.345	-	-12.3	20	64	0
1,2,4,5-Tetramethylbenzene	2.318	2.363	-	-1.9	20	60	0
1,2-Dibromo-3-chloropropan	0.085	0.079	-	7.1	20	58	0
1,3,5-Trichlorobenzene	0.869	0.949	-	-9.2	20	64	0
Hexachlorobutadiene	0.267	0.293	-	-9.7	20	63	0
1,2,4-Trichlorobenzene	0.756	0.819	-	-8.3	20	64	0
Naphthalene	1.759	1.716	-	2.4	20	58	0
1,2,3-Trichlorobenzene	0.676	0.727	-	-7.5	20	63	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : VOA105
 Lab File ID : V05250911A01
 Sample No : WG2113542-2
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/11/25 07:18
 Init. Calib. Date(s) : 08/16/25 08/16/25
 Init. Calib. Times : 12:48 16:38

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	93	0
Dichlorodifluoromethane	0.329	0.321	-	2.4	20	82	0
Chloromethane	0.265	0.346	-	-30.6*	20	123	0
Vinyl chloride	0.305	0.406	-	-33.1*	20	115	0
Bromomethane	0.133	0.087	-	34.6*	20	66	0
Chloroethane	0.177	0.22	-	-24.3*	20	110	0
Trichlorofluoromethane	0.488	0.53	-	-8.6	20	90	0
Ethyl ether	0.115	0.141	-	-22.6*	20	110	0
1,1-Dichloroethene	0.21	0.254	-	-21*	20	103	0
Carbon disulfide	0.713	0.91	-	-27.6*	20	112	0
Freon-113	0.225	0.282	-	-25.3*	20	104	0
Acrolein	0.038	0.04	-	-5.3	20	92	0
Methylene chloride	10	11.146	-	-11.5	20	98	0
Acetone	0.047	0.051	-	-8.5	20	103	0
trans-1,2-Dichloroethene	0.24	0.261	-	-8.8	20	96	0
Methyl acetate	0.114	0.123	-	-7.9	20	96	0
Methyl tert-butyl ether	0.608	0.581	-	4.4	20	84	0
tert-Butyl alcohol	0.013	0.012	-	7.7	20	85	0
Diisopropyl ether	0.848	0.904	-	-6.6	20	92	0
1,1-Dichloroethane	0.558	0.602	-	-7.9	20	91	0
Halothane	0.17	0.188	-	-10.6	20	94	0
Acrylonitrile	0.068	0.069	-	-1.5	20	90	0
Ethyl tert-butyl ether	0.749	0.711	-	5.1	20	84	0
Vinyl acetate	10	10.095	-	-1	20	100	0
cis-1,2-Dichloroethene	0.265	0.285	-	-7.5	20	94	0
2,2-Dichloropropane	0.446	0.468	-	-4.9	20	88	0
Bromochloromethane	0.109	0.124	-	-13.8	20	95	0
Cyclohexane	0.539	0.612	-	-13.5	20	92	0
Chloroform	0.512	0.532	-	-3.9	20	89	0
Ethyl acetate	0.165	0.171	-	-3.6	20	95	0
Carbon tetrachloride	0.436	0.405	-	7.1	20	77	0
Tetrahydrofuran	0.055	0.059	-	-7.3	20	95	0
Dibromofluoromethane	0.285	0.283	-	0.7	20	91	0
1,1,1-Trichloroethane	0.479	0.474	-	1	20	81	0
2-Butanone	0.07	0.071	-	-1.4	20	96	0
1,1-Dichloropropene	0.349	0.369	-	-5.7	20	90	0
Benzene	1.014	1.162	-	-14.6	20	98	0
tert-Amyl methyl ether	0.543	0.508	-	6.4	20	86	0
1,2-Dichloroethane-d4	0.407	0.398	-	2.2	20	85	0
1,2-Dichloroethane	0.405	0.404	-	0.2	20	85	0
Methyl cyclohexane	0.43	0.44	-	-2.3	20	92	0
Trichloroethene	0.274	0.288	-	-5.1	20	91	0
Dibromomethane	0.145	0.148	-	-2.1	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : VOA105
 Lab File ID : V05250911A01
 Sample No : WG2113542-2
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/11/25 07:18
 Init. Calib. Date(s) : 08/16/25 08/16/25
 Init. Calib. Times : 12:48 16:38

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.285	0.301	-	-5.6	20	92	0
Bromodichloromethane	0.385	0.381	-	1	20	88	0
1,4-Dioxane	0.00117	0.00125*	-	-6.8	20	103	0
cis-1,3-Dichloropropene	0.376	0.399	-	-6.1	20	91	0
Chlorobenzene-d5	1	1	-	0	20	88	0
Toluene-d8	1.327	1.388	-	-4.6	20	91	0
Toluene	0.829	0.897	-	-8.2	20	91	0
4-Methyl-2-pentanone	0.082	0.076	-	7.3	20	84	0
Tetrachloroethene	0.361	0.382	-	-5.8	20	86	0
trans-1,3-Dichloropropene	10	9.583	-	4.2	20	88	0
Ethyl methacrylate	0.283	0.275	-	2.8	20	91	0
1,1,2-Trichloroethane	0.198	0.227	-	-14.6	20	98	0
Chlorodibromomethane	0.31	0.313	-	-1	20	86	0
1,3-Dichloropropane	0.436	0.491	-	-12.6	20	94	0
1,2-Dibromoethane	0.225	0.237	-	-5.3	20	89	0
2-Hexanone	0.127	0.117	-	7.9	20	86	0
Chlorobenzene	0.872	0.959	-	-10	20	91	0
Ethylbenzene	1.638	1.787	-	-9.1	20	88	0
1,1,1,2-Tetrachloroethane	0.325	0.33	-	-1.5	20	85	0
p/m Xylene	0.577	0.646	-	-12	20	89	0
o Xylene	0.546	0.609	-	-11.5	20	91	0
Styrene	0.9	1.042	-	-15.8	20	93	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	88	0
Bromoform	0.336	0.331	-	1.5	20	85	0
Isopropylbenzene	2.743	2.933	-	-6.9	20	87	0
4-Bromofluorobenzene	0.909	0.936	-	-3	20	88	0
Bromobenzene	0.634	0.692	-	-9.1	20	93	0
n-Propylbenzene	3.231	3.653	-	-13.1	20	90	0
1,4-Dichlorobutane	0.885	0.965	-	-9	20	89	0
1,1,2,2-Tetrachloroethane	0.441	0.511	-	-15.9	20	98	0
4-Ethyltoluene	2.607	2.919	-	-12	20	89	0
2-Chlorotoluene	2.012	2.33	-	-15.8	20	92	0
1,3,5-Trimethylbenzene	2.302	2.542	-	-10.4	20	88	0
1,2,3-Trichloropropane	0.412	0.45	-	-9.2	20	94	0
trans-1,4-Dichloro-2-buten	0.163	0.162	-	0.6	20	90	0
4-Chlorotoluene	2.095	2.295	-	-9.5	20	91	0
tert-Butylbenzene	1.806	1.926	-	-6.6	20	87	0
1,2,4-Trimethylbenzene	2.214	2.432	-	-9.8	20	86	0
sec-Butylbenzene	2.725	3.033	-	-11.3	20	88	0
p-Isopropyltoluene	2.197	2.416	-	-10	20	86	0
1,3-Dichlorobenzene	1.177	1.304	-	-10.8	20	91	0
1,4-Dichlorobenzene	1.195	1.317	-	-10.2	20	94	0
p-Diethylbenzene	1.272	1.38	-	-8.5	20	86	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : VOA105
 Lab File ID : V05250911A01
 Sample No : WG2113542-2
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/11/25 07:18
 Init. Calib. Date(s) : 08/16/25 08/16/25
 Init. Calib. Times : 12:48 16:38

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.03	2.345	-	-15.5	20	90	0
1,2-Dichlorobenzene	1.058	1.176	-	-11.2	20	92	0
1,2,4,5-Tetramethylbenzene	2.015	1.994	-	1	20	88	0
1,2-Dibromo-3-chloropropan	0.075	0.067	-	10.7	20	81	0
1,3,5-Trichlorobenzene	0.87	0.95	-	-9.2	20	89	0
Hexachlorobutadiene	0.37	0.387	-	-4.6	20	85	0
1,2,4-Trichlorobenzene	0.73	0.754	-	-3.3	20	85	0
Naphthalene	10	8.786	-	12.1	20	81	0
1,2,3-Trichlorobenzene	0.628	0.643	-	-2.4	20	84	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N03.D
 Acq On : 10 Sep 2025 9:17 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365, ICAL22535 (Sig #1); WG, ICAL22535 (Sig #2)
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 10 21:54:53 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	56	0.00
2 TP	Dichlorodifluoromethane	0.221	0.247	-11.8	60	0.00
3 TP	Chloromethane	0.313	0.240	23.3#	41#	0.00
4 TP	Vinyl chloride	0.271	0.329	-21.4#	65	0.00
5 TP	Bromomethane	0.118	0.063	46.6#	31#	0.00
6 TP	Chloroethane	0.148	0.191	-29.1#	68	0.00
7 TP	Trichlorofluoromethane	0.299	0.319	-6.7	59	0.00
8 TP	Ethyl ether	0.113	0.121	-7.1	58	0.00
10 TP	1,1-Dichloroethene	0.180	0.191	-6.1	58	0.00
11 TP	Carbon disulfide	0.529	0.599	-13.2	61	0.00
12 TP	Freon-113	0.180	0.186	-3.3	56	0.00
14 TP	Acrolein	* 10.000	10.233	-2.3	56	0.00
15 TP	Methylene chloride	* 10.000	11.647	-16.5	62	0.00
17 TP	Acetone	* 10.000	11.589	-15.9	67	0.00
18 TP	trans-1,2-Dichloroethene	0.216	0.229	-6.0	59	0.00
19 TP	Methyl acetate	0.112	0.113	-0.9	58	0.00
21 TP	Methyl tert-butyl ether	0.578	0.541	6.4	53	0.00
22 TP	tert-Butyl alcohol	0.015	0.016	-6.7	60	0.00
24 TP	Diisopropyl ether	0.809	0.883	-9.1	63	0.00
25 TP	1,1-Dichloroethane	0.462	0.564	-22.1#	66	0.00
26 TP	Halothane	0.164	0.172	-4.9	57	0.00
27 TP	Acrylonitrile	0.067	0.085	-26.9#	69	0.00
28 TP	Ethyl tert-butyl ether	0.778	0.764	1.8	58	0.00
29 TP	Vinyl acetate	0.233	0.418	-79.4#	109	0.00
30 TP	cis-1,2-Dichloroethene	0.245	0.269	-9.8	60	0.00
31 TP	2,2-Dichloropropane	0.355	0.328	7.6	51	0.00
33 TP	Bromochloromethane	0.108	0.121	-12.0	62	0.00
34 TP	Cyclohexane	0.526	0.558	-6.1	58	0.00
35 TP	Chloroform	0.406	0.438	-7.9	60	0.00
36 TP	Ethyl acetate	0.161	0.173	-7.5	61	0.00
37 TP	Carbon tetrachloride	0.316	0.340	-7.6	65	0.00
38 TP	Tetrahydrofuran	0.050	0.053	-6.0	62	0.00
39 S	Dibromofluoromethane	0.262	0.262	0.0	56	0.00
40 TP	1,1,1-Trichloroethane	0.340	0.346	-1.8	56	0.00
42 TP	2-Butanone	0.068	0.073	-7.4	62	0.00
43 TP	1,1-Dichloropropene	0.277	0.281	-1.4	55	0.00
45 TP	Benzene	0.896	0.964	-7.6	62	0.00
46 TP	tert-Amyl methyl ether	0.558	0.504	9.7	52	0.00
47 S	1,2-Dichloroethane-d4	0.342	0.330	3.5	51	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N03.D
 Acq On : 10 Sep 2025 9:17 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365, ICAL22535 (Sig #1); WG, ICAL22535 (Sig #2)
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 10 21:54:53 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48 T	1,2-Dichloroethane	0.340	0.335	1.5	55	0.00
51 TP	Methyl cyclohexane	0.389	0.372	4.4	54	0.00
52 TP	Trichloroethene	0.226	0.233	-3.1	58	0.00
54 TP	Dibromomethane	0.127	0.126	0.8	57	0.00
55 TP	1,2-Dichloropropane	0.263	0.301	-14.4	63	0.00
58 TP	Bromodichloromethane	0.313	0.313	0.0	57	0.00
61 TP	1,4-Dioxane	0.00150	0.00162#	-8.0	61	0.00
62 TP	cis-1,3-Dichloropropene	0.362	0.357	1.4	54	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	53	0.00
64 S	Toluene-d8	1.329	1.377	-3.6	55	0.00
65 TP	Toluene	0.678	0.779	-14.9	60	0.00
66 TP	4-Methyl-2-pentanone	0.083	0.091	-9.6	59	0.00
67 TP	Tetrachloroethene	0.277	0.325	-17.3	60	0.00
69 TP	trans-1,3-Dichloropropene	0.390	0.394	-1.0	54	0.00
71 TP	Ethyl methacrylate	0.291	0.287	1.4	52	0.00
72 TP	1,1,2-Trichloroethane	0.180	0.204	-13.3	62	0.00
73 TP	Chlorodibromomethane	0.272	0.278	-2.2	56	0.00
74 TP	1,3-Dichloropropane	0.403	0.445	-10.4	60	0.00
75 TP	1,2-Dibromoethane	0.223	0.235	-5.4	58	0.00
77 TP	2-Hexanone	0.134	0.138	-3.0	53	0.00
78 TP	Chlorobenzene	0.766	0.868	-13.3	59	0.00
79 TP	Ethylbenzene	1.357	1.493	-10.0	56	0.00
80 TP	1,1,1,2-Tetrachloroethane	0.272	0.295	-8.5	61	0.00
81 TP	p/m Xylene	0.513	0.574	-11.9	58	0.00
82 TP	o Xylene	0.509	0.571	-12.2	58	0.00
83 TP	Styrene	0.845	0.939	-11.1	57	0.00
84 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	58	0.00
85 TP	Bromoform	0.296	0.281	5.1	57	0.00
87 TP	Isopropylbenzene	2.806	2.736	2.5	55	0.00
88 S	4-Bromofluorobenzene	0.983	0.878	10.7	52	0.00
89 TP	Bromobenzene	0.621	0.668	-7.6	61	0.00
90 TP	n-Propylbenzene	3.214	3.256	-1.3	58	0.00
91 TP	1,4-Dichlorobutane	0.943	1.033	-9.5	62	0.00
92 TP	1,1,2,2-Tetrachloroethane	0.489	0.498	-1.8	62	0.00
93 TP	4-Ethyltoluene	2.682	2.696	-0.5	58	0.00
94 TP	2-Chlorotoluene	1.963	1.948	0.8	58	0.00
95 TP	1,3,5-Trimethylbenzene	2.344	2.399	-2.3	58	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N03.D
 Acq On : 10 Sep 2025 9:17 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 10 21:54:53 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 TP	1,2,3-Trichloropropane	0.405	0.423	-4.4	61	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.192	0.172	10.4	53	0.00
98 TP	4-Chlorotoluene	2.083	2.117	-1.6	59	0.00
99 TP	tert-Butylbenzene	2.015	1.966	2.4	55	0.00
102 TP	1,2,4-Trimethylbenzene	2.302	2.387	-3.7	59	0.00
103 TP	sec-Butylbenzene	2.968	2.889	2.7	56	0.00
104 TP	p-Isopropyltoluene	2.546	2.524	0.9	56	0.00
105 TP	1,3-Dichlorobenzene	1.260	1.412	-12.1	63	0.00
106 TP	1,4-Dichlorobenzene	1.234	1.362	-10.4	64	0.00
107 TP	p-Diethylbenzene	1.524	1.505	1.2	57	0.00
108 TP	n-Butylbenzene	2.141	2.155	-0.7	58	0.00
109 TP	1,2-Dichlorobenzene	1.198	1.345	-12.3	64	0.00
110 TP	1,2,4,5-Tetramethylbenzene	2.318	2.363	-1.9	60	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.085	0.079	7.1	58	0.00
112 TP	1,3,5-Trichlorobenzene	0.869	0.949	-9.2	64	0.00
113 TP	Hexachlorobutadiene	0.267	0.293	-9.7	63	0.00
114 TP	1,2,4-Trichlorobenzene	0.756	0.819	-8.3	64	0.00
115 TP	Naphthalene	1.759	1.716	2.4	58	0.00
116 TP	1,2,3-Trichlorobenzene	0.676	0.727	-7.5	63	0.00

 * Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N03.D
 Acq On : 10 Sep 2025 9:17 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365, ICAL22535 (Sig #1); WG, ICAL22535 (Sig #2)
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 10 21:54:53 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N02.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	485831	10.000	ug/L	0.00
Standard Area 1 = 474776			Recovery	=	102.33%	
63) Chlorobenzene-d5	9.214	117	355794	10.000	ug/L	0.00
Standard Area 1 = 346369			Recovery	=	102.72%	
84) 1,4-Dichlorobenzene-d4	11.981	152	195575	10.000	ug/L	0.00
Standard Area 1 = 194385			Recovery	=	100.61%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.915	113	127143	9.979	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.79%	
47) 1,2-Dichloroethane-d4	5.432	65	160293	9.637	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.37%	
64) Toluene-d8	7.389	98	489872	10.359	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.59%	
88) 4-Bromofluorobenzene	10.743	95	171634	8.925	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	89.25%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.499	85	120023	11.198	ug/L	99
3) Chloromethane	1.676	50	116629	7.673	ug/L	100
4) Vinyl chloride	1.744	62	159785	12.116	ug/L	100
5) Bromomethane	2.029	94	30744	5.341	ug/L	89
6) Chloroethane	2.138	64	92685	12.901	ug/L	95
7) Trichlorofluoromethane	2.274	101	155212	10.694	ug/L	98
8) Ethyl ether	2.550	74	58688	10.732	ug/L	88
10) 1,1-Dichloroethene	2.736	96	92685	10.593	ug/L	90
11) Carbon disulfide	2.763	76	291034	11.328	ug/L	98
12) Freon-113	2.768	101	90511	10.352	ug/L	100
14) Acrolein	3.035	56	19051	10.233	ug/L	85
15) Methylene chloride	3.266	84	124581	11.647	ug/L	93
17) Acetone	3.298	43	29135	11.589	ug/L	98
18) trans-1,2-Dichloroethene	3.411	96	111210	10.605	ug/L	96
19) Methyl acetate	3.416	43	54930M6	10.107	ug/L	
21) Methyl tert-butyl ether	3.506	73	263046	9.372	ug/L #	78
22) tert-Butyl alcohol	3.597	59	37961	51.248	ug/L #	100
24) Diisopropyl ether	3.855	45	429064	10.912	ug/L	97
25) 1,1-Dichloroethane	3.977	63	273818	12.197	ug/L	97
26) Halothane	4.036	117	83666	10.472	ug/L	99
27) Acrylonitrile	4.018	53	41314	12.659	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N03.D
 Acq On : 10 Sep 2025 9:17 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365, ICAL22535 (Sig #1); WG, ICAL22535 (Sig #2)
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 10 21:54:53 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N02.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Ethyl tert-butyl ether	4.195	59	371197	9.823	ug/L	# 84
29) Vinyl acetate	4.204	43	203180	17.959	ug/L	99
30) cis-1,2-Dichloroethene	4.485	96	130846	11.003	ug/L	96
31) 2,2-Dichloropropane	4.584	77	159338	9.248	ug/L	# 47
33) Bromochloromethane	4.670	128	58739	11.240	ug/L	93
34) Cyclohexane	4.675	56	271040	10.616	ug/L	95
35) Chloroform	4.747	83	212821	10.794	ug/L	97
36) Ethyl acetate	4.852	43	83850	10.691	ug/L	97
37) Carbon tetrachloride	4.879	117	165322	10.756	ug/L	84
38) Tetrahydrofuran	4.888	42	25764M6	10.635	ug/L	
40) 1,1,1-Trichloroethane	4.938	97	168319	10.183	ug/L	98
42) 2-Butanone	5.024	43	35406	10.704	ug/L	91
43) 1,1-Dichloropropene	5.060	75	136651	10.136	ug/L	98
45) Benzene	5.300	78	468290	10.760	ug/L	99
46) tert-Amyl methyl ether	5.410	73	244645	9.018	ug/L	# 89
48) 1,2-Dichloroethane	5.502	62	162695	9.851	ug/L	99
51) Methyl cyclohexane	5.875	83	180618	9.563	ug/L	92
52) Trichloroethene	5.888	95	113009	10.305	ug/L	98
54) Dibromomethane	6.323	93	61138	9.896	ug/L	96
55) 1,2-Dichloropropane	6.423	63	146287	11.443	ug/L	97
58) Bromodichloromethane	6.502	83	151919	10.005	ug/L	100
61) 1,4-Dioxane	6.709	88	39302	540.333	ug/L	92
62) cis-1,3-Dichloropropene	7.187	75	173477	9.857	ug/L	96
65) Toluene	7.446	92	277195	11.483	ug/L	99
66) 4-Methyl-2-pentanone	7.876	58	32274	10.913	ug/L	96
67) Tetrachloroethene	7.889	166	115521	11.717	ug/L	97
69) trans-1,3-Dichloropropene	7.933	75	140287	10.103	ug/L	98
71) Ethyl methacrylate	8.117	69	102221	9.870	ug/L	93
72) 1,1,2-Trichloroethane	8.113	83	72665	11.344	ug/L	98
73) Chlorodibromomethane	8.319	129	98941	10.239	ug/L	99
74) 1,3-Dichloropropane	8.429	76	158431	11.061	ug/L	99
75) 1,2-Dibromoethane	8.587	107	83659	10.555	ug/L	100
77) 2-Hexanone	8.885	43	49197	10.281	ug/L	98
78) Chlorobenzene	9.236	112	308723	11.328	ug/L	99
79) Ethylbenzene	9.280	91	531282	11.001	ug/L	99
80) 1,1,1,2-Tetrachloroethane	9.328	131	105028	10.864	ug/L	98
81) p/m Xylene	9.464	106	408172	22.351	ug/L	100
82) o Xylene	10.009	106	406451	22.451	ug/L	100
83) Styrene	10.079	104	668176	22.216	ug/L	99
85) Bromoform	10.105	173	55046	9.518	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N03.D
 Acq On : 10 Sep 2025 9:17 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365, ICAL22535 (Sig #1); WG, ICAL22535 (Sig #2)
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 10 21:54:53 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N02.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87)	Isopropylbenzene	10.413	105	535004	9.750	ug/L	100
89)	Bromobenzene	10.858	156	130680	10.764	ug/L	99
90)	n-Propylbenzene	10.906	91	636728	10.130	ug/L	99
91)	1,4-Dichlorobutane	10.924	55	202098	10.962	ug/L	96
92)	1,1,2,2-Tetrachloroethane	11.003	83	97309	10.176	ug/L	99
93)	4-Ethyltoluene	11.038	105	527176	10.050	ug/L	100
94)	2-Chlorotoluene	11.078	91	380928M6	9.920	ug/L	
95)	1,3,5-Trimethylbenzene	11.140	105	469168	10.235	ug/L	99
96)	1,2,3-Trichloropropane	11.140	75	82689	10.441	ug/L	99
97)	trans-1,4-Dichloro-2-b...	11.192	53	33552	8.956	ug/L #	85
98)	4-Chlorotoluene	11.263	91	413940	10.163	ug/L	100
99)	tert-Butylbenzene	11.488	119	384433	9.754	ug/L	99
102)	1,2,4-Trimethylbenzene	11.567	105	466782	10.369	ug/L	99
103)	sec-Butylbenzene	11.681	105	564928	9.733	ug/L	99
104)	p-Isopropyltoluene	11.840	119	493545	9.913	ug/L	98
105)	1,3-Dichlorobenzene	11.902	146	276073	11.201	ug/L	98
106)	1,4-Dichlorobenzene	11.999	146	266371	11.041	ug/L	98
107)	p-Diethylbenzene	12.219	119	294366	9.876	ug/L	98
108)	n-Butylbenzene	12.276	91	421509	10.065	ug/L	100
109)	1,2-Dichlorobenzene	12.422	146	263001	11.226	ug/L	97
110)	1,2,4,5-Tetramethylben...	13.021	119	462156	10.193	ug/L	97
111)	1,2-Dibromo-3-chloropr...	13.215	155	15393	9.291	ug/L	97
112)	1,3,5-Trichlorobenzene	13.245	180	185608	10.926	ug/L	99
113)	Hexachlorobutadiene	13.827	225	57357	10.990	ug/L	99
114)	1,2,4-Trichlorobenzene	13.849	180	160271	10.837	ug/L	98
115)	Naphthalene	14.140	128	335699	9.757	ug/L	100
116)	1,2,3-Trichlorobenzene	14.307	180	142175	10.750	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

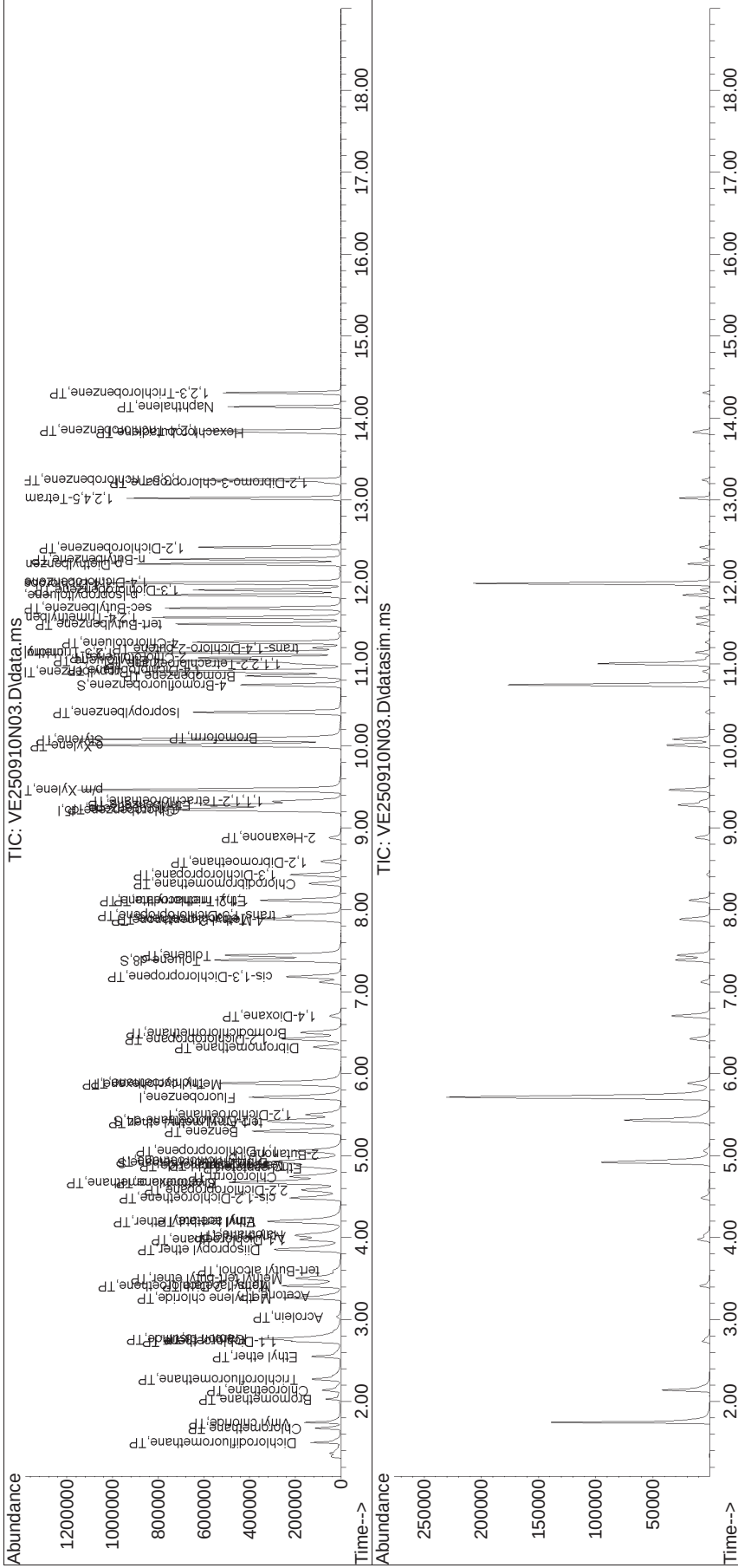
Quantitation Report

(QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
Data File : VE250910N03.D
Acq On : 10 Sep 2025 9:17 pm
Operator : ELAINE:TMS
Sample : WG2113365-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2113365, ICAL22535 (Sig #1); WG, ICAL22535 (Sig #2)
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 10 21:54:53 2025
Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 08:01:29 2025
Response via : Initial Calibration

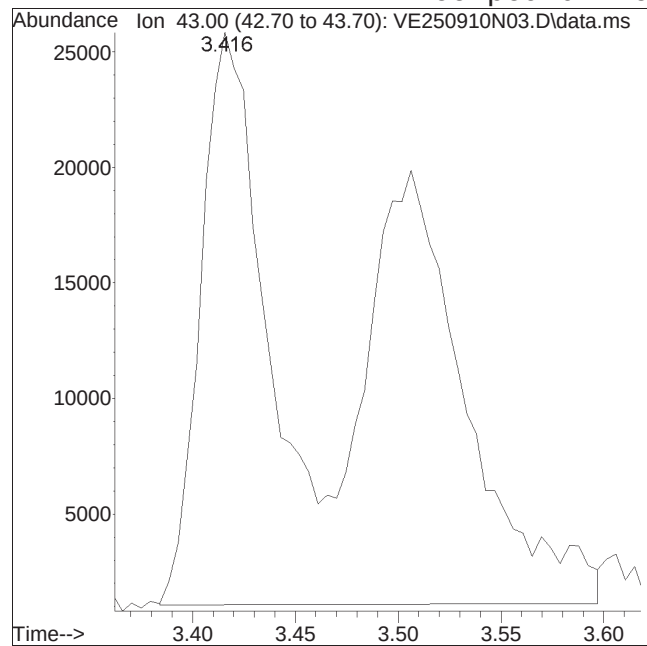
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



Manual Integration Report

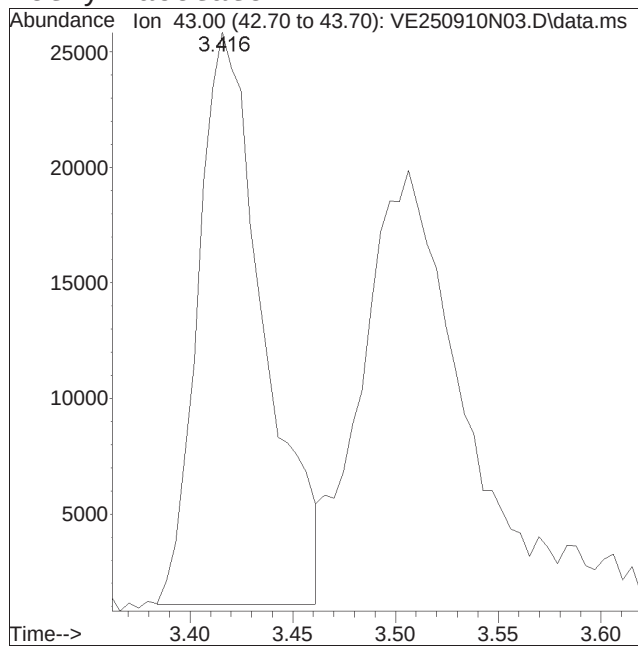
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Data File : VE250910N03.D Operator : ELAINE:TMS
Date Inj'd : 9/10/2025 9:17 pm Instrument : Elaine
Sample : WG2113365-2 Quant Date : 9/10/2025 9:52 pm

Compound #19: Methyl acetate



Original Peak Response = 119505

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

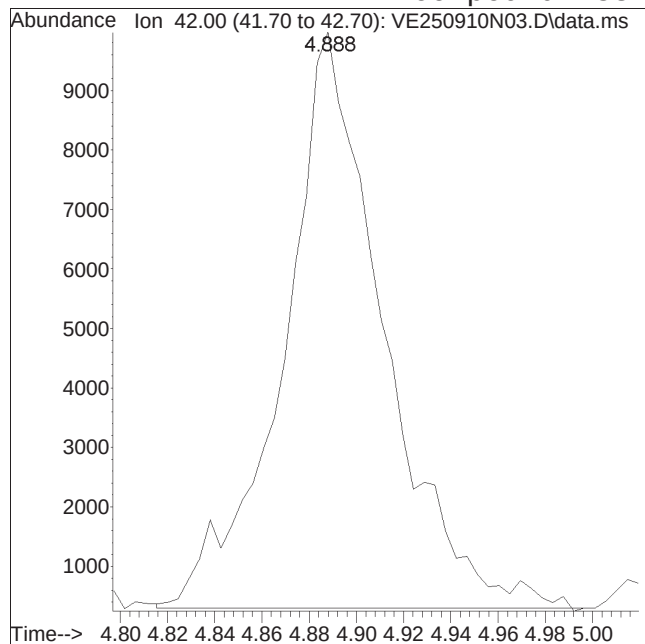


Manual Peak Response = 54930 M6

Manual Integration Report

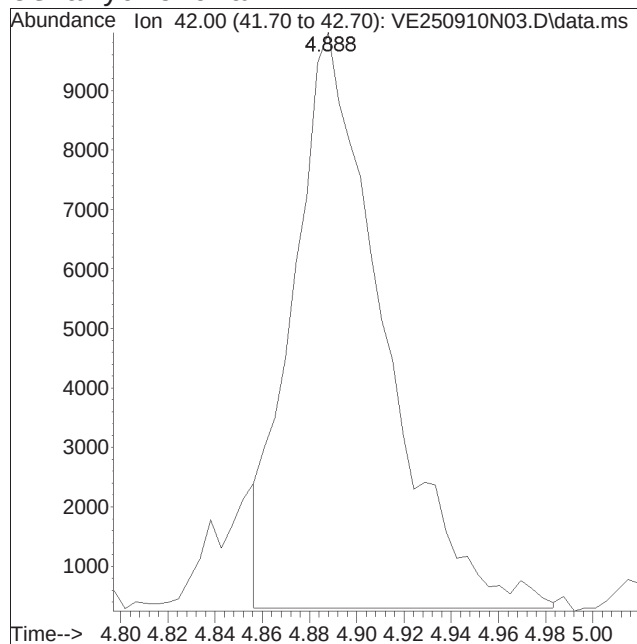
Data Path : K:\Elaine\2025\250910A\ QMethod : Elaine_250808A_8260.m
Data File : VE250910N03.D Operator : ELAINE:TMS
Date Inj'd : 9/10/2025 9:17 pm Instrument : Elaine
Sample : WG2113365-2 Quant Date : 9/10/2025 9:52 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 28341

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

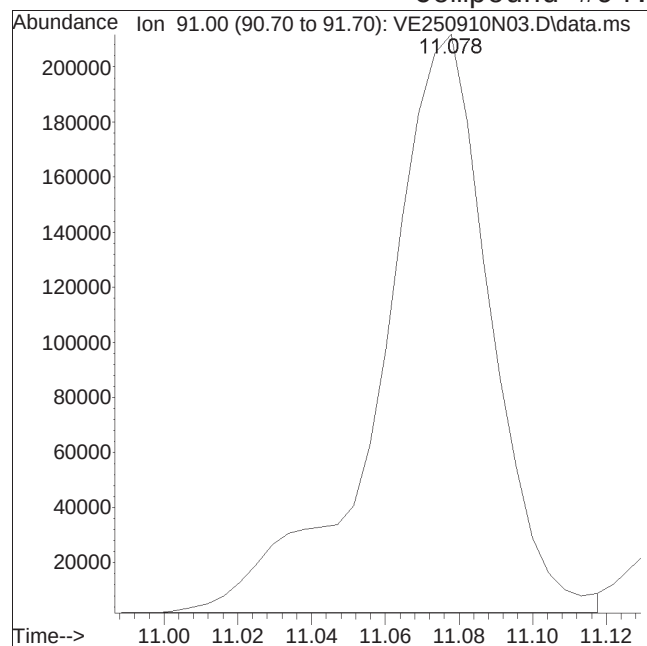


Manual Peak Response = 25764 M6

Manual Integration Report

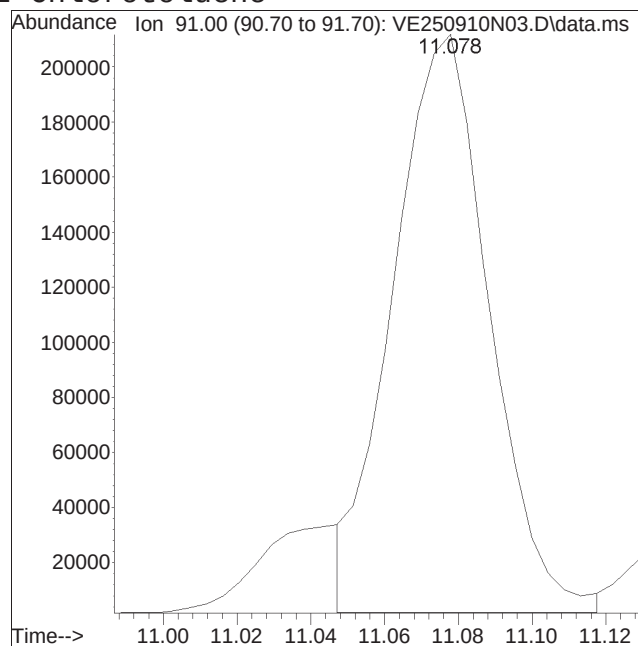
Data Path : K:\Elaine\2025\250910A\ QMethod : Elaine_250808A_8260.m
Data File : VE250910N03.D Operator : ELAINE:TMS
Date Inj'd : 9/10/2025 9:17 pm Instrument : Elaine
Sample : WG2113365-2 Quant Date : 9/10/2025 9:52 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 430568

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 380928 M6

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A01.D
 Acq On : 11 Sep 2025 7:18 am
 Operator : VOA105:PID
 Sample : WG2113542-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:40:48 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	93	0.00
2 TP	Dichlorodifluoromethane	0.329	0.321	2.4	82	0.00
3 TP	Chloromethane	0.265	0.346	-30.6#	123	0.00
4 TP	Vinyl chloride	0.305	0.406	-33.1#	115	0.00
5 TP	Bromomethane	0.133	0.087	34.6#	66	0.00
6 TP	Chloroethane	0.177	0.220	-24.3#	110	0.00
7 TP	Trichlorofluoromethane	0.488	0.530	-8.6	90	0.00
8 TP	Ethyl ether	0.115	0.141	-22.6#	110	0.00
10 TP	1,1-Dichloroethene	0.210	0.254	-21.0#	103	0.00
11 TP	Carbon disulfide	0.713	0.910	-27.6#	112	0.00
12 TP	Freon-113	0.225	0.282	-25.3#	104	0.00
14 TP	Acrolein	0.038	0.040	-5.3	92	0.00
15 TP	Methylene chloride	* 10.000	11.146	-11.5	98	0.00
17 TP	Acetone	0.047	0.051	-8.5	103	0.00
18 TP	trans-1,2-Dichloroethene	0.240	0.261	-8.8	96	0.00
19 TP	Methyl acetate	0.114	0.123	-7.9	96	0.00
20 TP	Methyl tert-butyl ether	0.608	0.581	4.4	84	0.00
21 TP	tert-Butyl alcohol	0.013	0.012	7.7	85	0.00
22 TP	Diisopropyl ether	0.848	0.904	-6.6	92	0.00
23 TP	1,1-Dichloroethane	0.558	0.602	-7.9	91	0.00
24 TP	Halothane	0.170	0.188	-10.6	94	0.00
25 TP	Acrylonitrile	0.068	0.069	-1.5	90	0.00
26 TP	Ethyl tert-butyl ether	0.749	0.711	5.1	84	0.00
27 TP	Vinyl acetate	* 10.000	10.095	-1.0	100	0.00
28 TP	cis-1,2-Dichloroethene	0.265	0.285	-7.5	94	0.00
29 TP	2,2-Dichloropropane	0.446	0.468	-4.9	88	0.00
30 TP	Bromochloromethane	0.109	0.124	-13.8	95	0.00
31 TP	Cyclohexane	0.539	0.612	-13.5	92	0.00
32 TP	Chloroform	0.512	0.532	-3.9	89	0.00
33 TP	Ethyl acetate	0.165	0.171	-3.6	95	0.00
34 TP	Carbon tetrachloride	0.436	0.405	7.1	77	0.00
35 TP	Tetrahydrofuran	0.055	0.059	-7.3	95	0.00
36 S	Dibromofluoromethane	0.285	0.283	0.7	91	0.00
37 TP	1,1,1-Trichloroethane	0.479	0.474	1.0	81	0.00
39 TP	2-Butanone	0.070	0.071	-1.4	96	0.00
40 TP	1,1-Dichloropropene	0.349	0.369	-5.7	90	0.00
41 TP	Benzene	1.014	1.162	-14.6	98	0.00
42 TP	tert-Amyl methyl ether	0.543	0.508	6.4	86	0.00
43 S	1,2-Dichloroethane-d4	0.407	0.398	2.2	85	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A01.D
 Acq On : 11 Sep 2025 7:18 am
 Operator : VOA105:PID
 Sample : WG2113542-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113542, ICAL22558 (Sig #1); WG, ICAL22558 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:40:48 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TP	1,2-Dichloroethane	0.405	0.404	0.2	85	0.00
47 TP	Methyl cyclohexane	0.430	0.440	-2.3	92	0.00
48 TP	Trichloroethene	0.274	0.288	-5.1	91	0.00
50 TP	Dibromomethane	0.145	0.148	-2.1	90	0.00
51 TP	1,2-Dichloropropane	0.285	0.301	-5.6	92	0.00
54 TP	Bromodichloromethane	0.385	0.381	1.0	88	0.00
57 TP	1,4-Dioxane	0.00117	0.00125#	-6.8	103	0.00
58 TP	cis-1,3-Dichloropropene	0.376	0.399	-6.1	91	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
60 S	Toluene-d8	1.327	1.388	-4.6	91	0.00
61 TP	Toluene	0.829	0.897	-8.2	91	0.00
62 TP	4-Methyl-2-pentanone	0.082	0.076	7.3	84	0.00
63 TP	Tetrachloroethene	0.361	0.382	-5.8	86	0.00
65 TP	trans-1,3-Dichloropropene	* 10.000	9.583	4.2	88	0.00
67 TP	Ethyl methacrylate	0.283	0.275	2.8	91	0.00
68 TP	1,1,2-Trichloroethane	0.198	0.227	-14.6	98	0.00
69 TP	Chlorodibromomethane	0.310	0.313	-1.0	86	0.00
70 TP	1,3-Dichloropropane	0.436	0.491	-12.6	94	0.00
71 TP	1,2-Dibromoethane	0.225	0.237	-5.3	89	0.00
72 TP	2-Hexanone	0.127	0.117	7.9	86	0.00
73 TP	Chlorobenzene	0.872	0.959	-10.0	91	0.00
74 TP	Ethylbenzene	1.638	1.787	-9.1	88	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.325	0.330	-1.5	85	0.00
76 TP	p/m Xylene	0.577	0.646	-12.0	89	0.00
77 TP	o Xylene	0.546	0.609	-11.5	91	0.00
78 TP	Styrene	0.900	1.042	-15.8	93	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
80 TP	Bromoform	0.336	0.331	1.5	85	0.00
82 TP	Isopropylbenzene	2.743	2.933	-6.9	87	0.00
83 S	4-Bromofluorobenzene	0.909	0.936	-3.0	88	0.00
84 TP	Bromobenzene	0.634	0.692	-9.1	93	0.00
85 TP	n-Propylbenzene	3.231	3.653	-13.1	90	0.00
86 TP	1,4-Dichlorobutane	0.885	0.965	-9.0	89	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.441	0.511	-15.9	98	0.00
88 TP	4-Ethyltoluene	2.607	2.919	-12.0	89	0.00
89 TP	2-Chlorotoluene	2.012	2.330	-15.8	92	0.00
90 TP	1,3,5-Trimethylbenzene	2.302	2.542	-10.4	88	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A01.D
 Acq On : 11 Sep 2025 7:18 am
 Operator : VOA105:PID
 Sample : WG2113542-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113542, ICAL22558 (Sig #1); WG, ICAL22558 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:40:48 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane	0.412	0.450	-9.2	94	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.163	0.162	0.6	90	0.00
93 TP	4-Chlorotoluene	2.095	2.295	-9.5	91	0.00
94 TP	tert-Butylbenzene	1.806	1.926	-6.6	87	0.00
97 TP	1,2,4-Trimethylbenzene	2.214	2.432	-9.8	86	0.00
98 TP	sec-Butylbenzene	2.725	3.033	-11.3	88	0.00
99 TP	p-Isopropyltoluene	2.197	2.416	-10.0	86	0.00
100 TP	1,3-Dichlorobenzene	1.177	1.304	-10.8	91	0.00
101 TP	1,4-Dichlorobenzene	1.195	1.317	-10.2	94	0.00
102 TP	p-Diethylbenzene	1.272	1.380	-8.5	86	0.00
103 TP	n-Butylbenzene	2.030	2.345	-15.5	90	0.00
104 TP	1,2-Dichlorobenzene	1.058	1.176	-11.2	92	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.015	1.994	1.0	88	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.075	0.067	10.7	81	0.00
107 TP	1,3,5-Trichlorobenzene	0.870	0.950	-9.2	89	0.00
108 TP	Hexachlorobutadiene	0.370	0.387	-4.6	85	0.00
109 TP	1,2,4-Trichlorobenzene	0.730	0.754	-3.3	85	0.00
110 TP	Naphthalene	* 10.000	8.786	12.1	81	0.00
111 TP	1,2,3-Trichlorobenzene	0.628	0.643	-2.4	84	0.00

* Evaluation of CC level amount vs concentration.

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A01.D
 Acq On : 11 Sep 2025 7:18 am
 Operator : VOA105:PID
 Sample : WG2113542-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113542, ICAL22558 (Sig #1); WG, ICAL22558 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:40:48 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.506	96	298590	10.000	ug/L	0.00
59) Chlorobenzene-d5	8.985	117	215521	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.797	152	125132	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	84452	9.936	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	99.36%	
43) 1,2-Dichloroethane-d4	5.238	65	118935	9.777	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	97.77%	
60) Toluene-d8	7.164	98	299155	10.462	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	104.62%	
83) 4-Bromofluorobenzene	10.531	95	117147	10.301	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	103.01%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.430	85	95790	9.757	ug/L	99
3) Chloromethane	1.595	50	103239	13.024	ug/L	97
4) Vinyl chloride	1.650	62	121222	13.315	ug/L	99
5) Bromomethane	1.918	94	25860	6.522	ug/L	98
6) Chloroethane	2.021	64	65734	12.445	ug/L	98
7) Trichlorofluoromethane	2.144	101	158358	10.871	ug/L	95
8) Ethyl ether	2.419	74	42194	12.240	ug/L	93
10) 1,1-Dichloroethene	2.590	96	75841	12.117	ug/L	98
11) Carbon disulfide	2.611	76	271765	12.774	ug/L	98
12) Freon-113	2.618	101	84125	12.502	ug/L	88
14) Acrolein	2.906	56	11888	10.431	ug/L	94
15) Methylene chloride	3.112	84	82116	11.146	ug/L	98
17) Acetone	3.181	43	15241	10.963	ug/L	100
18) trans-1,2-Dichloroethene	3.249	96	77914	10.877	ug/L	92
19) Methyl acetate	3.277	43	36582	10.714	ug/L	96
20) Methyl tert-butyl ether	3.345	73	173518	9.566	ug/L	96
21) tert-Butyl alcohol	3.455	59	17502	44.742	ug/L	# 93
22) Diisopropyl ether	3.682	45	269931	10.657	ug/L	97
23) 1,1-Dichloroethane	3.805	63	179666	10.779	ug/L	99
24) Halothane	3.860	117	56099	11.022	ug/L	98
25) Acrylonitrile	3.874	53	20581	10.118	ug/L	99
26) Ethyl tert-butyl ether	4.011	59	212197	9.487	ug/L	94
27) Vinyl acetate	4.039	43	124988M6	10.095	ug/L	
28) cis-1,2-Dichloroethene	4.306	96	85176	10.765	ug/L	93
29) 2,2-Dichloropropane	4.389	77	139680	10.497	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A01.D
 Acq On : 11 Sep 2025 7:18 am
 Operator : VOA105:PID
 Sample : WG2113542-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113542, ICAL22558 (Sig #1); WG, ICAL22558 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:40:48 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30)	Bromochloromethane	4.492	128	36898	11.334	ug/L	96
31)	Cyclohexane	4.471	56	182652	11.347	ug/L	99
32)	Chloroform	4.560	83	158782	10.378	ug/L	99
33)	Ethyl acetate	4.677	43	51069	10.344	ug/L	97
34)	Carbon tetrachloride	4.670	117	120829	9.274	ug/L	97
35)	Tetrahydrofuran	4.704	42	17753M6	10.878	ug/L	
37)	1,1,1-Trichloroethane	4.739	97	141403	9.888	ug/L	99
39)	2-Butanone	4.855	43	21185	10.144	ug/L	95
40)	1,1-Dichloropropene	4.855	75	110206	10.567	ug/L	99
41)	Benzene	5.097	78	346993	11.466	ug/L	97
42)	tert-Amyl methyl ether	5.203	73	151609	9.350	ug/L	98
44)	1,2-Dichloroethane	5.309	62	120663	9.966	ug/L	99
47)	Methyl cyclohexane	5.654	83	131242	10.215	ug/L	92
48)	Trichloroethene	5.682	95	86027	10.533	ug/L	99
50)	Dibromomethane	6.120	93	44252	10.241	ug/L	97
51)	1,2-Dichloropropane	6.212	63	89935	10.551	ug/L	95
54)	Bromodichloromethane	6.296	83	113702	9.894	ug/L	98
57)	1,4-Dioxane	6.508	88	18661	536.332	ug/L	98
58)	cis-1,3-Dichloropropene	6.974	75	119171	10.626	ug/L	98
61)	Toluene	7.221	92	193219	10.813	ug/L	99
62)	4-Methyl-2-pentanone	7.665	58	16319	9.214	ug/L	99
63)	Tetrachloroethene	7.658	166	82421	10.591	ug/L	98
65)	trans-1,3-Dichloropropene	7.715	75	99183	9.583	ug/L	96
67)	Ethyl methacrylate	7.905	69	59346	9.719	ug/L	99
68)	1,1,2-Trichloroethane	7.898	83	48899	11.484	ug/L	97
69)	Chlorodibromomethane	8.103	129	67375	10.089	ug/L	100
70)	1,3-Dichloropropane	8.208	76	105787	11.246	ug/L	100
71)	1,2-Dibromoethane	8.364	107	51184	10.567	ug/L	99
72)	2-Hexanone	8.674	43	25180	9.211	ug/L	97
73)	Chlorobenzene	9.006	112	206706	11.005	ug/L	99
74)	Ethylbenzene	9.041	91	385114	10.911	ug/L	99
75)	1,1,1,2-Tetrachloroethane	9.090	131	71038	10.151	ug/L	97
76)	p/m Xylene	9.232	106	278620	22.399	ug/L	97
77)	o Xylene	9.775	106	262511	22.316	ug/L	96
78)	Styrene	9.845	104	449226	23.159	ug/L	98
80)	Bromoform	9.874	173	41357	9.846	ug/L	97
82)	Isopropylbenzene	10.184	105	366971	10.693	ug/L	100
84)	Bromobenzene	10.644	156	86561	10.914	ug/L	98
85)	n-Propylbenzene	10.694	91	457157	11.308	ug/L	99
86)	1,4-Dichlorobutane	10.722	55	120750	10.903	ug/L	97
87)	1,1,2,2-Tetrachloroethane	10.807	83	63983	11.607	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A01.D
 Acq On : 11 Sep 2025 7:18 am
 Operator : VOA105:PID
 Sample : WG2113542-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:40:48 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	4-Ethyltoluene	10.828	105	365211	11.195	ug/L	100
89)	2-Chlorotoluene	10.870	91	291565M6	11.578	ug/L	
90)	1,3,5-Trimethylbenzene	10.934	105	318126	11.046	ug/L	98
91)	1,2,3-Trichloropropane	10.948	75	56266M1	10.922	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.012	53	20277M1	9.918	ug/L	
93)	4-Chlorotoluene	11.061	91	287213	10.954	ug/L	99
94)	tert-Butylbenzene	11.288	119	240972	10.661	ug/L	96
97)	1,2,4-Trimethylbenzene	11.373	105	304272	10.982	ug/L	98
98)	sec-Butylbenzene	11.486	105	379543	11.131	ug/L	100
99)	p-Isopropyltoluene	11.648	119	302259	10.993	ug/L	98
100)	1,3-Dichlorobenzene	11.712	146	163132	11.080	ug/L	99
101)	1,4-Dichlorobenzene	11.811	146	164743	11.018	ug/L	98
102)	p-Diethylbenzene	12.037	119	172724	10.855	ug/L	97
103)	n-Butylbenzene	12.094	91	293444	11.553	ug/L	99
104)	1,2-Dichlorobenzene	12.243	146	147197	11.115	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.844	119	249539	9.895	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.042	155	8406	8.973	ug/L	98
107)	1,3,5-Trichlorobenzene	13.063	180	118828	10.918	ug/L	97
108)	Hexachlorobutadiene	13.650	225	48473	10.468	ug/L	98
109)	1,2,4-Trichlorobenzene	13.671	180	94405	10.330	ug/L	100
110)	Naphthalene	13.968	128	160786	8.786	ug/L	100
111)	1,2,3-Trichlorobenzene	14.138	180	80507	10.237	ug/L	96

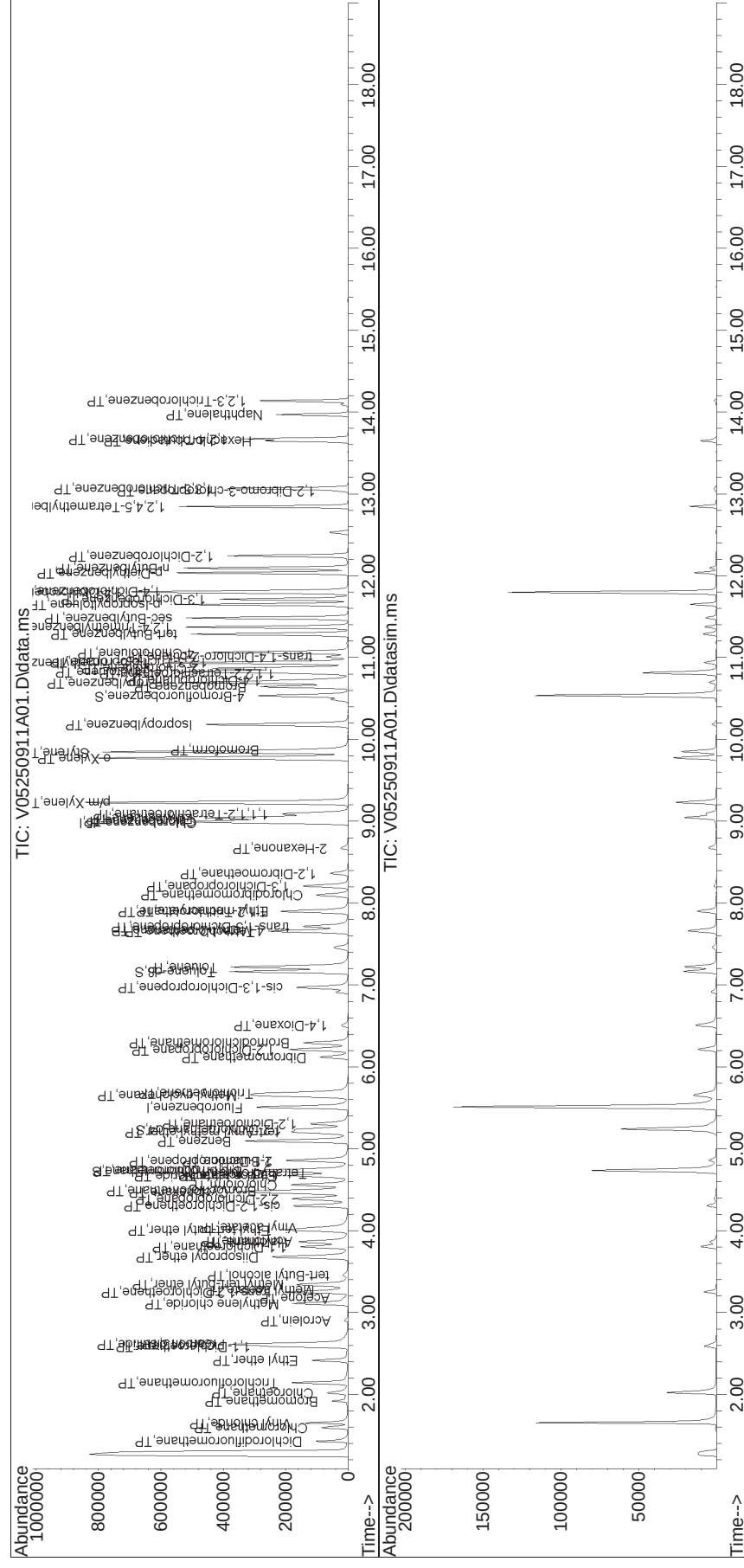
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

```
Data Path      : K:\V0A105\2025\250911A\
Data File     : V05250911A01.D
Acq On        : 11 Sep 2025   7:18 am
Operator      : V0A105:PID
Sample        : WG2113542-2 (Sig #1); 8
Misc          : WG2113542, ICAL22558 (Si
ALS Vial      : 1 Sample Multiplier:
```

Quant Time: Sep 11 07:40:48 2025
Quant Method : K:\VOA105\2025\250911A\V
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:47:41 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

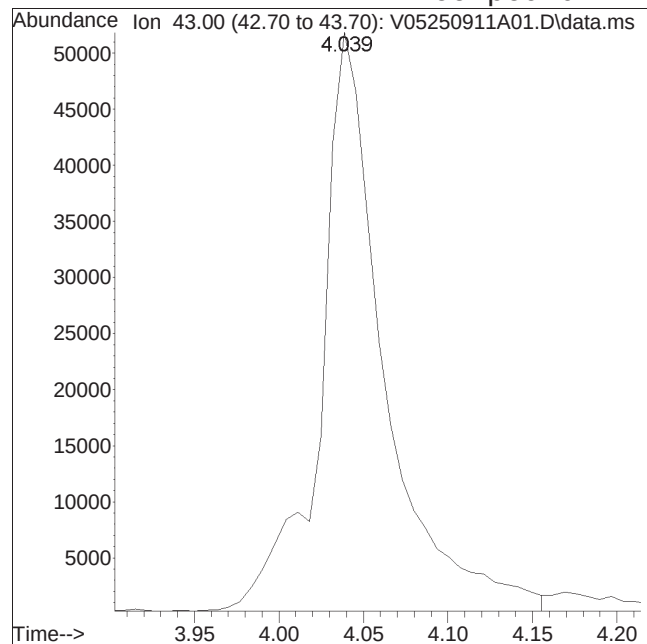


Manual Integration Report

Data Path : K:\VOA105\2025\250911A\
Data File : V05250911A01.D
Date Inj'd : 9/11/2025 7:18 am
Sample : WG2113542-2

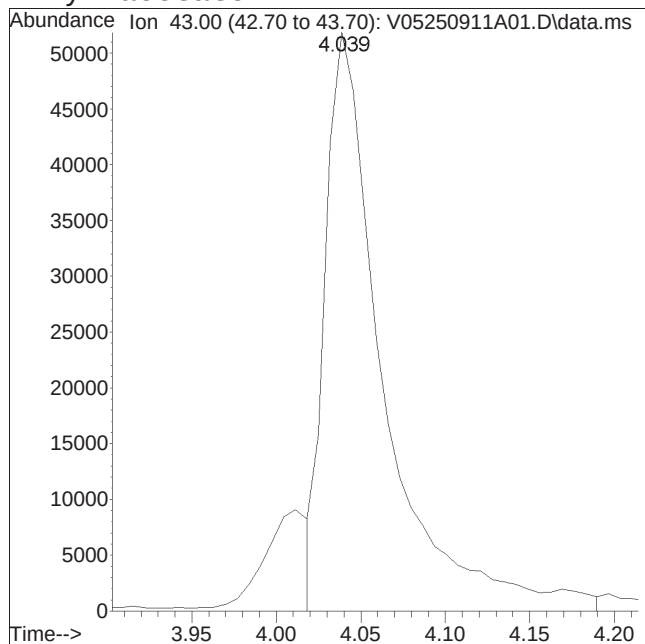
QMethod : V105_250816B_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 9/11/2025 7:39 am

Compound #27: Vinyl acetate



Original Peak Response = 135228

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

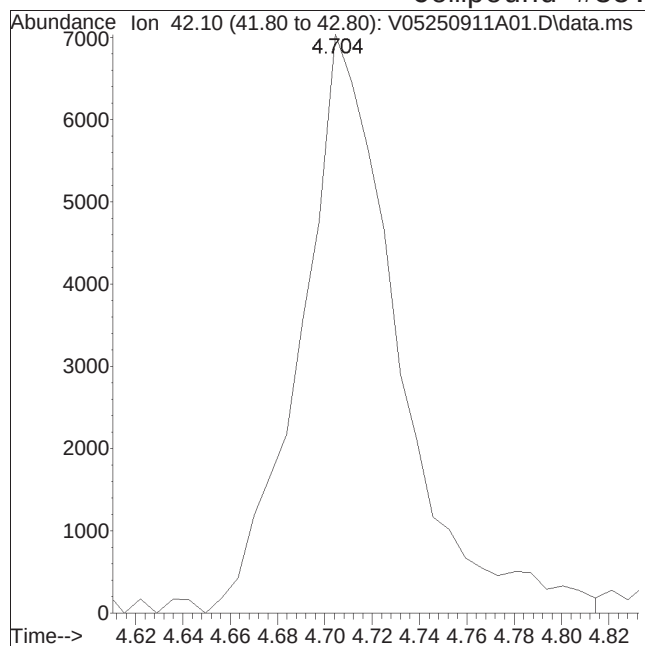


Manual Peak Response = 124988 M6

Manual Integration Report

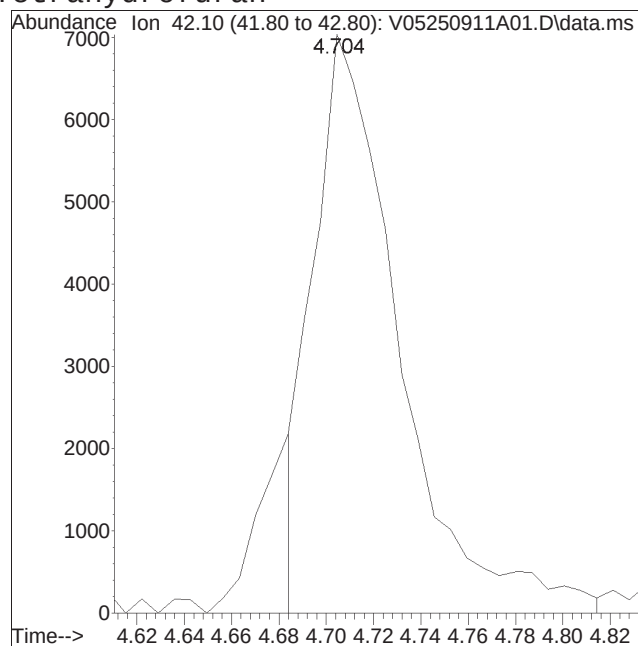
Data Path : K:\V0A105\2025\250911A\ QMethod : V105_250816B_8260.m
Data File : V05250911A01.D Operator : V0A105:PID
Date Inj'd : 9/11/2025 7:18 am Instrument : V0A105
Sample : WG2113542-2 Quant Date : 9/11/2025 7:39 am

Compound #35: Tetrahydrofuran



Original Peak Response = 20218

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

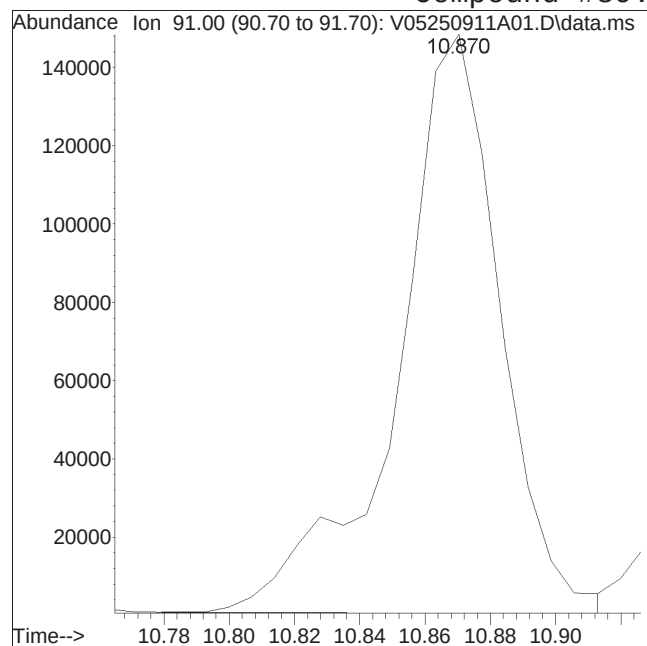


Manual Peak Response = 17753 M6

Manual Integration Report

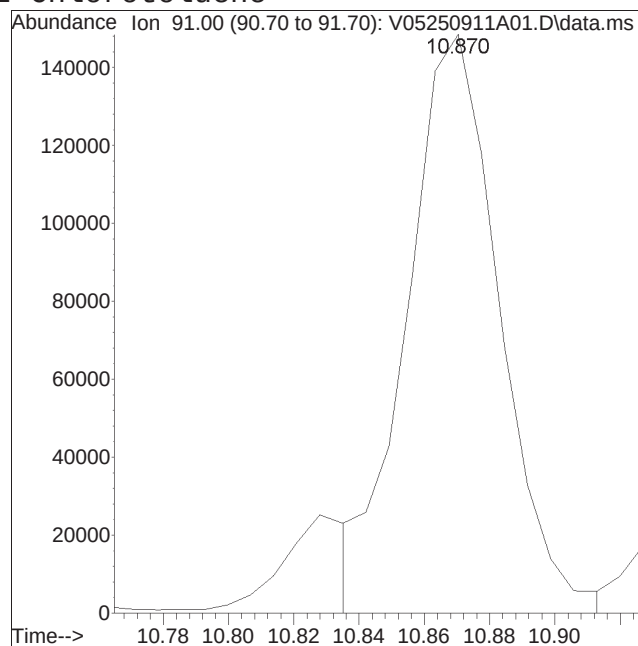
Data Path : K:\VOA105\2025\250911A\ QMethod : V105_250816B_8260.m
Data File : V05250911A01.D Operator : VOA105:PID
Date Inj'd : 9/11/2025 7:18 am Instrument : VOA105
Sample : WG2113542-2 Quant Date : 9/11/2025 7:39 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 321803

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

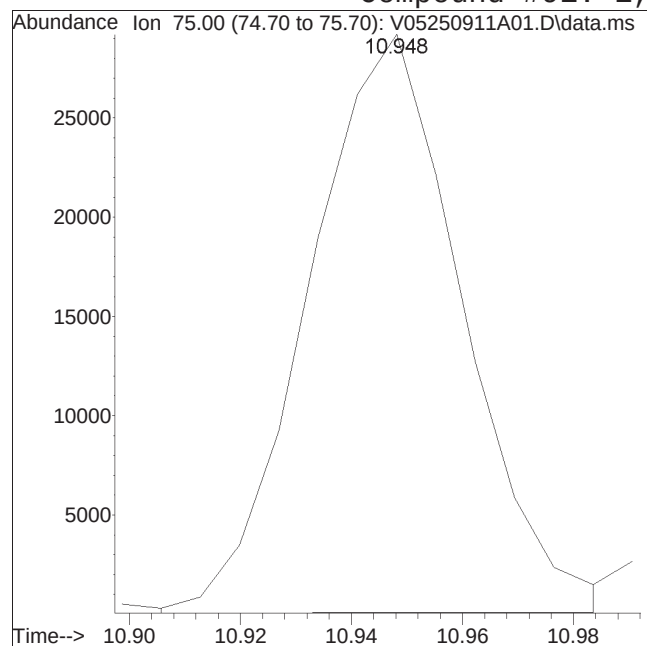


Manual Peak Response = 291565 M6

Manual Integration Report

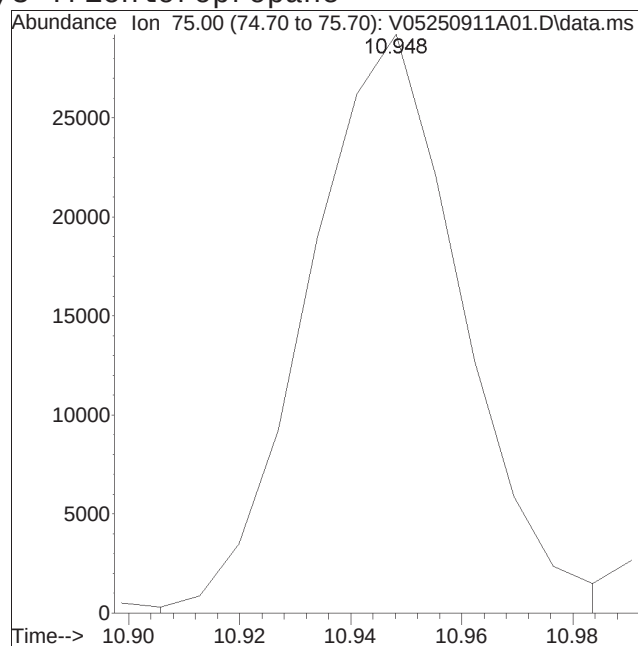
Data Path : K:\V0A105\2025\250911A\ QMethod : V105_250816B_8260.m
Data File : V05250911A01.D Operator : V0A105:PID
Date Inj'd : 9/11/2025 7:18 am Instrument : V0A105
Sample : WG2113542-2 Quant Date : 9/11/2025 7:39 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 55895

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

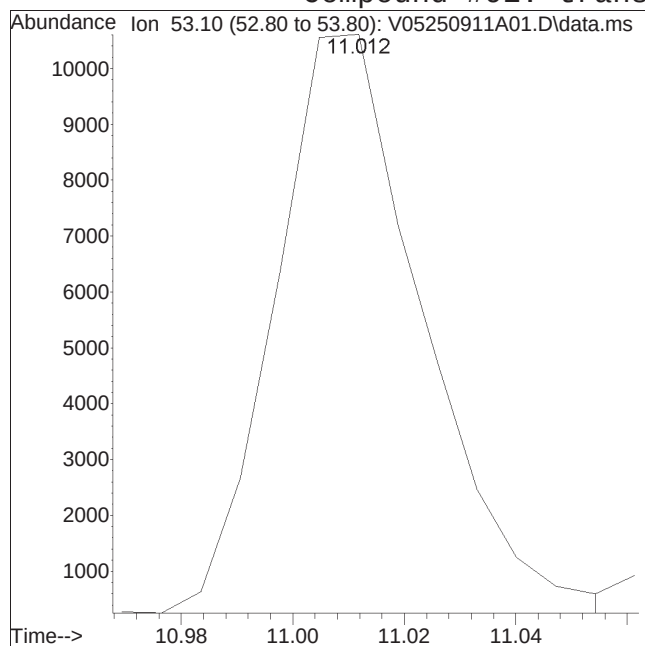


Manual Peak Response = 56266 M1

Manual Integration Report

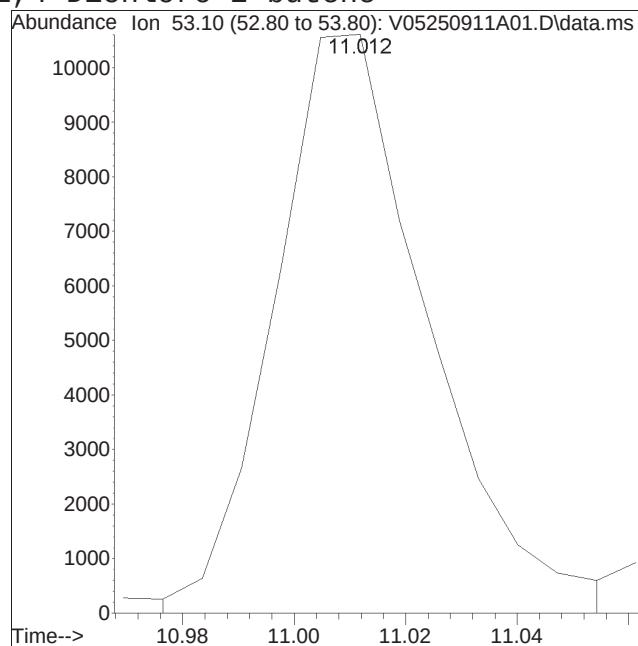
Data Path : K:\V0A105\2025\250911A\ QMethod : V105_250816B_8260.m
Data File : V05250911A01.D Operator : V0A105:PID
Date Inj'd : 9/11/2025 7:18 am Instrument : V0A105
Sample : WG2113542-2 Quant Date : 9/11/2025 7:39 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 19078

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



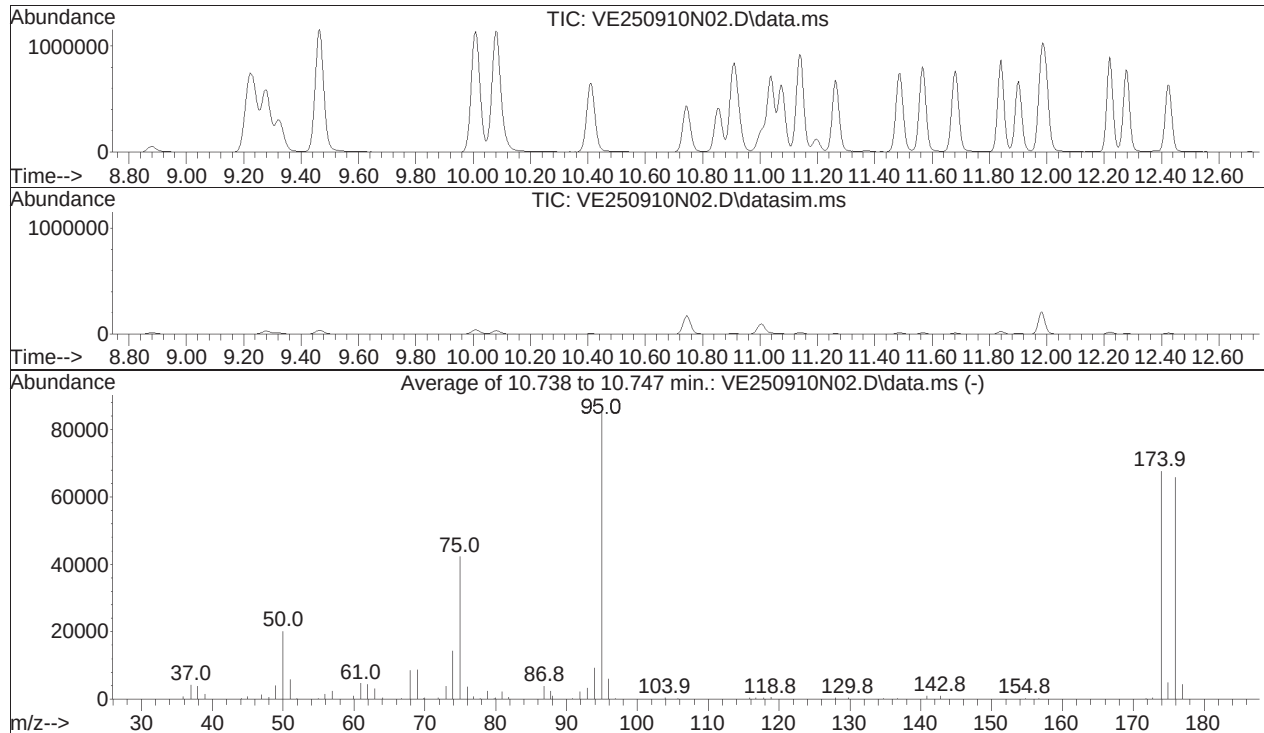
Manual Peak Response = 20277 M1

BFB

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N02.D
 Acq On : 10 Sep 2025 8:53 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-1 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: rteint.p
 Integration File signal 2: rteint2.p

Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 11 08:01:29 2025



AutoFind: Scans 2171, 2172, 2173; Background Corrected with Scan 2161

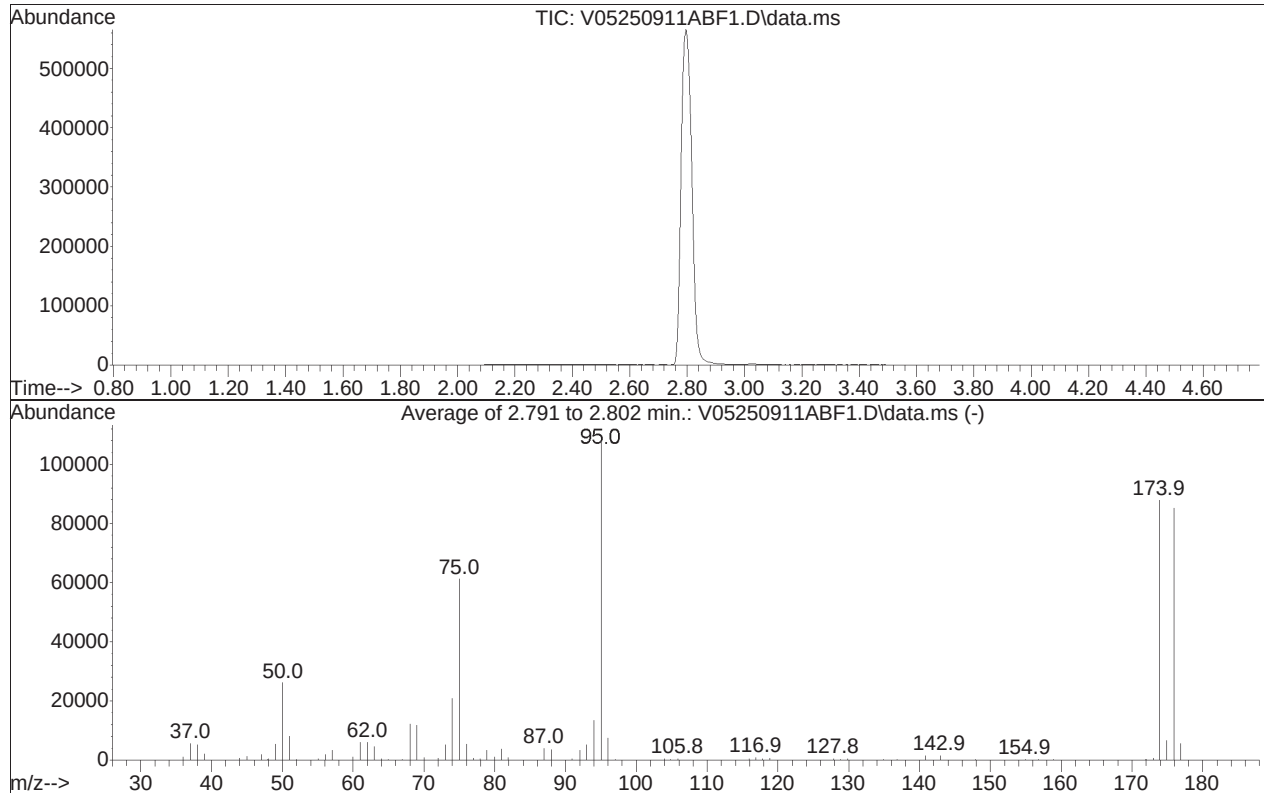
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.4	20131	PASS
75	95	30	60	49.2	42323	PASS
95	95	100	100	100.0	86064	PASS
96	95	5	9	7.0	5999	PASS
173	174	0.00	2	0.5	369	PASS
174	95	50	100	78.7	67693	PASS
175	174	5	9	7.4	4991	PASS
176	174	95	101	97.3	65869	PASS
177	176	5	9	6.8	4477	PASS

BFB

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911ABF1.D
 Acq On : 11 Sep 2025 7:04 am
 Operator : VOA105:PID
 Sample : WG2113542-1
 Misc : WG2113542,ICAL22558
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Sun Aug 17 13:47:41 2025



AutoFind: Scans 129, 130, 131; Background Corrected with Scan 120

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.2	26181	PASS
75	95	30	60	56.8	61323	PASS
95	95	100	100	100.0	107992	PASS
96	95	5	9	7.0	7507	PASS
173	174	0.00	2	0.8	696	PASS
174	95	50	100	81.4	87920	PASS
175	174	5	9	7.5	6561	PASS
176	174	95	101	97.0	85317	PASS
177	176	5	9	6.5	5582	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N06.D
 Acq On : 10 Sep 2025 10:29 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 10 23:07:24 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	453948	10.000	ug/L	0.00
Standard Area 1 = 485831			Recovery	=	93.44%	
63) Chlorobenzene-d5	9.219	117	335448	10.000	ug/L	0.00
Standard Area 1 = 355794			Recovery	=	94.28%	
84) 1,4-Dichlorobenzene-d4	11.981	152	184264	10.000	ug/L	0.00
Standard Area 1 = 195575			Recovery	=	94.22%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.920	113	126087	10.592	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.92%	
47) 1,2-Dichloroethane-d4	5.432	65	148945	9.584	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.84%	
64) Toluene-d8	7.384	98	452964	10.159	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.59%	
88) 4-Bromofluorobenzene	10.743	95	161242	8.899	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	88.99%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.676	50	451	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.030	94	515	0.096	ug/L	95
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.	d	
10) 1,1-Dichloroethene	0.000		0	N.D.	d	
11) Carbon disulfide	0.000		0	N.D.	d	
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.	d	
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.	d	
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.	d	
35) Chloroform	4.757	83	561	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N06.D
 Acq On : 10 Sep 2025 10:29 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 10 23:07:24 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0		N.D.	
42)	2-Butanone	0.000		0		N.D.	d
45)	Benzene	0.000		0		N.D.	d
48)	1,2-Dichloroethane	0.000		0		N.D.	d
51)	Methylcyclohexane	0.000		0		N.D.	d
52)	Trichloroethene	0.000		0		N.D.	d
55)	1,2-Dichloropropane	0.000		0		N.D.	d
58)	Bromodichloromethane	0.000		0		N.D.	
62)	cis-1,3-Dichloropropene	0.000		0		N.D.	
65)	Toluene	0.000		0		N.D.	d
66)	4-Methyl-2-pentanone	0.000		0		N.D.	d
67)	Tetrachloroethene	0.000		0		N.D.	d
69)	trans-1,3-Dichloropropene	0.000		0		N.D.	
72)	1,1,2-Trichloroethane	0.000		0		N.D.	
73)	Chlorodibromomethane	0.000		0		N.D.	
75)	1,2-Dibromoethane	0.000		0		N.D.	
77)	2-Hexanone	0.000		0		N.D.	d
78)	Chlorobenzene	0.000		0		N.D.	d
79)	Ethylbenzene	0.000		0		N.D.	d
81)	p/m Xylene	0.000		0		N.D.	d
82)	o Xylene	0.000		0		N.D.	d
83)	Styrene	0.000		0		N.D.	d
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	0.000		0		N.D.	d
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	0.000		0		N.D.	d
106)	1,4-Dichlorobenzene	11.994	146	506		N.D.	
109)	1,2-Dichlorobenzene	0.000		0		N.D.	d
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	d
114)	1,2,4-Trichlorobenzene	13.849	180	837		N.D.	
116)	1,2,3-Trichlorobenzene	14.307	180	749		N.D.	

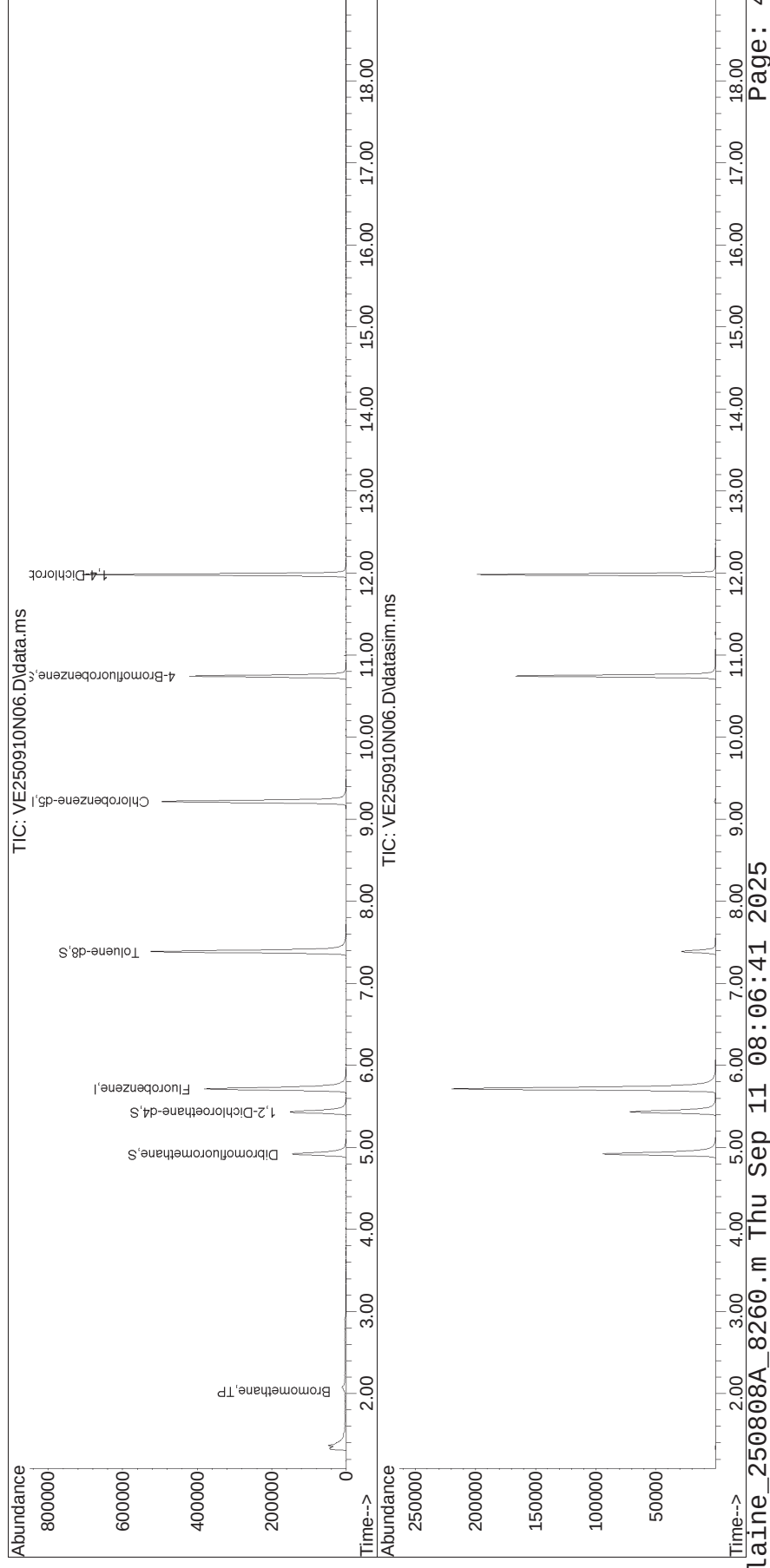
(#) = qualifier out of range (m) = manual integration (+) = signals summed

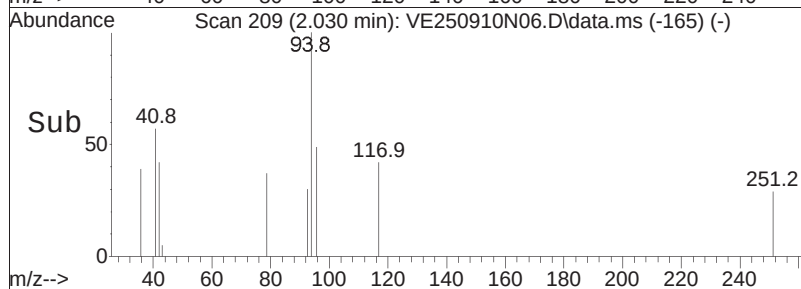
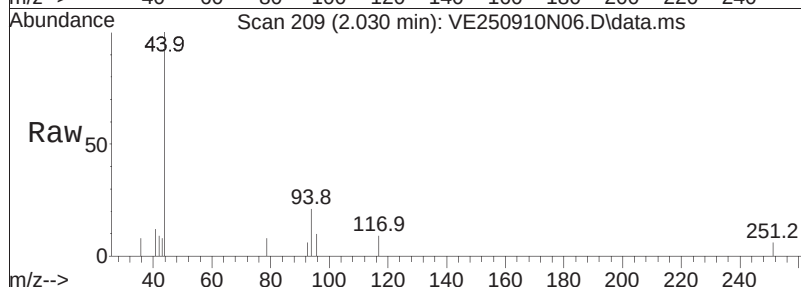
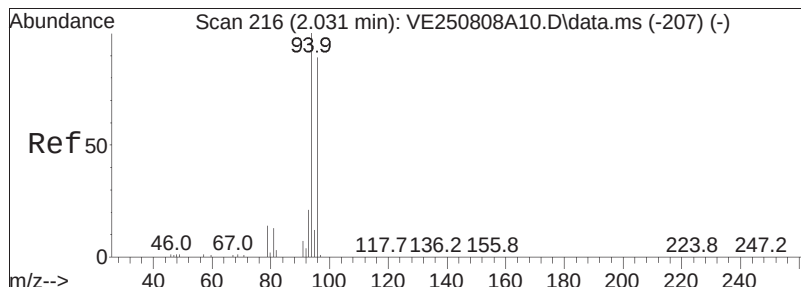
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
Data File : VE250910N06.D
Acq On : 10 Sep 2025 10:29 pm
Operator : ELAINE:TMS
Sample : WG2113365-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 10 23:07:24 2025
Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 08:01:29 2025
Response via : Initial Calibration

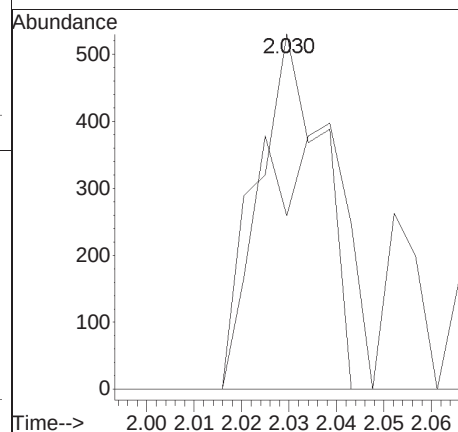
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane





#5
 Bromomethane
 Concen: 0.10 ug/L
 RT: 2.030 min Scan# 209
 Delta R.T. -0.002 min
 Lab File: VE250910N06.D
 Acq: 10 Sep 2025 10:29 pm

Tgt Ion: 94 Resp: 515
 Ion Ratio Lower Upper
 94 100
 96 96.3 71.7 111.7



Manual Integration Report

Data Path	: K:\Elaine\2025\250910A\	QMethod	: Elaine_250808A_8260.m
Data File	: VE250910N06.D	Operator	: ELAINE:TMS
Date Inj'd	: 9/10/2025 10:29 pm	Instrument	: Elaine
Sample	: WG2113365-5,31,10,10	Quant Date	: 9/10/2025 11:02 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A05.D
 Acq On : 11 Sep 2025 9:00 am
 Operator : VOA105:PID
 Sample : WG2113542-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 09:48:34 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	272192	10.000	ug/L	0.00
Standard Area 1 = 298590			Recovery =	91.16%		
59) Chlorobenzene-d5	8.985	117	195796	10.000	ug/L	0.00
Standard Area 1 = 215521			Recovery =	90.85%		
79) 1,4-Dichlorobenzene-d4	11.797	152	106321	10.000	ug/L	0.00
Standard Area 1 = 125132			Recovery =	84.97%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.739	113	82282	10.619	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.19%		
43) 1,2-Dichloroethane-d4	5.238	65	110042	9.923	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.23%		
60) Toluene-d8	7.165	98	266294	10.251	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.51%		
83) 4-Bromofluorobenzene	10.538	95	93791	9.706	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.06%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.602	50	314	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.925	94	226	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.604	76	368	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.112	84	178	Below Cal	#	42
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.581	83	536	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A05.D
 Acq On : 11 Sep 2025 9:00 am
 Operator : VOA105:PID
 Sample : WG2113542-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 09:48:34 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	0.000		0		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	
47)	Methylcyclohexane	0.000		0		N.D.	
48)	Trichloroethene	0.000		0		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	0.000		0		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	0.000		0		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	0.000		0		N.D.	
73)	Chlorobenzene	0.000		0		N.D.	
74)	Ethylbenzene	8.985	91	244		N.D.	
76)	p/m Xylene	0.000		0		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	13.686	180	75		N.D.	
111)	1,2,3-Trichlorobenzene	14.153	180	159		N.D.	

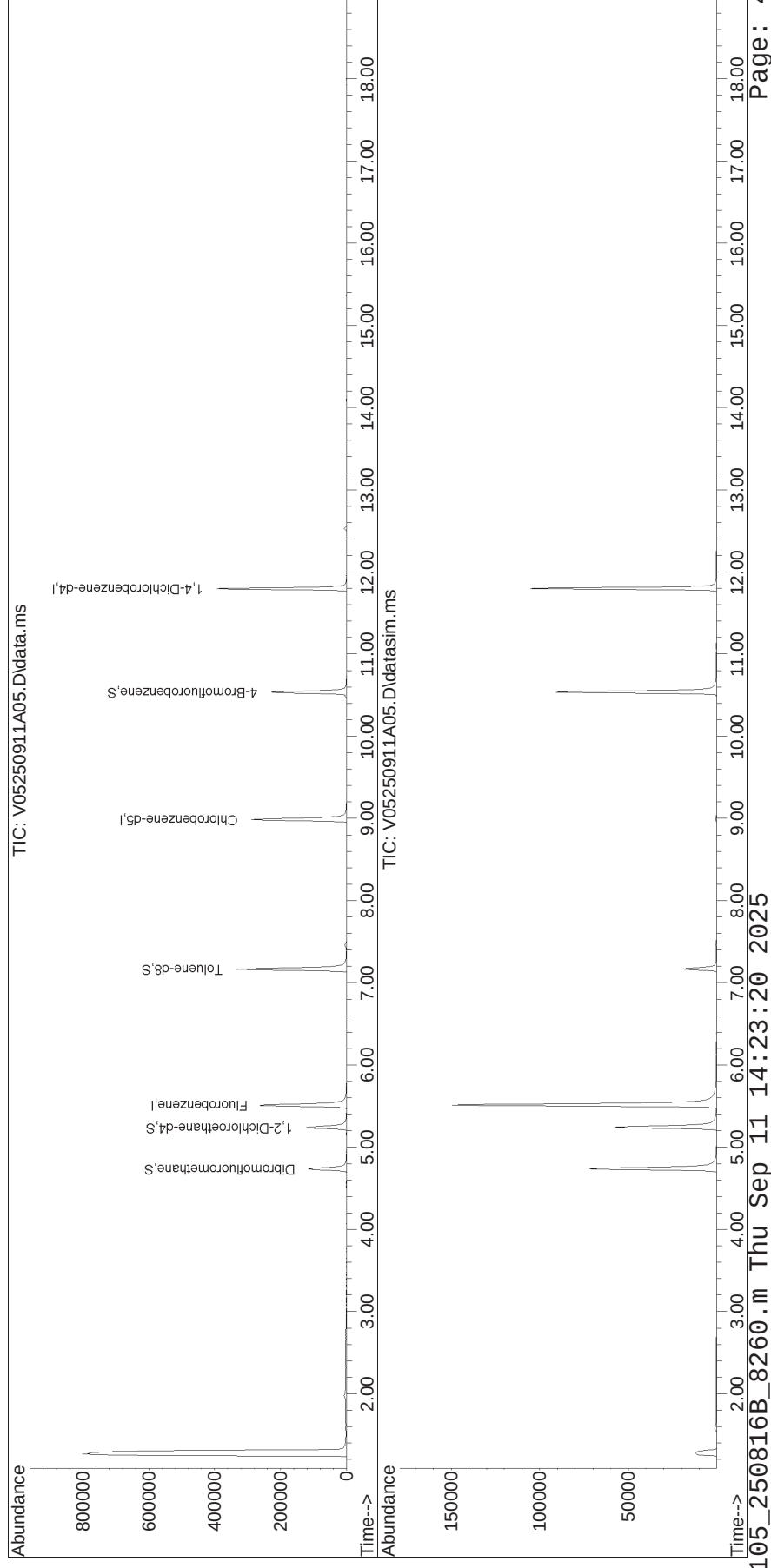
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
Data File : V05250911A05.D
Acq On : 11 Sep 2025 9:00 am
Operator : VOA105:PID
Sample : WG2113542-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 09:48:34 2025
Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:47:41 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: K:\VOA105\2025\250911A\	QMethod	: V105_250816B_8260.m
Data File	: V05250911A05.D	Operator	: VOA105:PID
Date Inj'd	: 9/11/2025 9:00 am	Instrument	: VOA105
Sample	: WG2113542-5,31,10,10	Quant Date	: 9/11/2025 9:47 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N03.D
 Acq On : 10 Sep 2025 9:17 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 10 21:54:53 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N02.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	485831	10.000	ug/L	0.00
Standard Area 1 = 474776			Recovery	=	102.33%	
63) Chlorobenzene-d5	9.214	117	355794	10.000	ug/L	0.00
Standard Area 1 = 346369			Recovery	=	102.72%	
84) 1,4-Dichlorobenzene-d4	11.981	152	195575	10.000	ug/L	0.00
Standard Area 1 = 194385			Recovery	=	100.61%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.915	113	127143	9.979	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.79%	
47) 1,2-Dichloroethane-d4	5.432	65	160293	9.637	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.37%	
64) Toluene-d8	7.389	98	489872	10.359	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.59%	
88) 4-Bromofluorobenzene	10.743	95	171634	8.925	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	89.25%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.499	85	120023	11.198	ug/L	99
3) Chloromethane	1.676	50	116629	7.673	ug/L	100
4) Vinyl chloride	1.744	62	159785	12.116	ug/L	100
5) Bromomethane	2.029	94	30744	5.341	ug/L	89
6) Chloroethane	2.138	64	92685	12.901	ug/L	95
7) Trichlorofluoromethane	2.274	101	155212	10.694	ug/L	98
10) 1,1-Dichloroethene	2.736	96	92685	10.593	ug/L	90
11) Carbon disulfide	2.763	76	291034	11.328	ug/L	98
12) Freon-113	2.768	101	90511	10.352	ug/L	100
15) Methylene chloride	3.266	84	124581	11.647	ug/L	93
17) Acetone	3.298	43	29135	11.589	ug/L	98
18) trans-1,2-Dichloroethene	3.411	96	111210	10.605	ug/L	96
19) Methyl acetate	3.416	43	54930M6	10.107	ug/L	
21) Methyl tert-butyl ether	3.506	73	263046	9.372	ug/L #	78
25) 1,1-Dichloroethane	3.977	63	273818	12.197	ug/L	97
30) cis-1,2-Dichloroethene	4.485	96	130846	11.003	ug/L	96
33) Bromochloromethane	4.670	128	58739	11.240	ug/L	93
34) Cyclohexane	4.675	56	271040	10.616	ug/L	95
35) Chloroform	4.747	83	212821	10.794	ug/L	97
37) Carbon tetrachloride	4.879	117	165322	10.756	ug/L	84

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N03.D
 Acq On : 10 Sep 2025 9:17 pm
 Operator : ELAINE:TMS
 Sample : WG2113365-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 10 21:54:53 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N02.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	4.938	97	168319	10.183	ug/L	98
42)	2-Butanone	5.024	43	35406	10.704	ug/L	91
45)	Benzene	5.300	78	468290	10.760	ug/L	99
48)	1,2-Dichloroethane	5.502	62	162695	9.851	ug/L	99
51)	Methylcyclohexane	5.875	83	180618	9.563	ug/L	92
52)	Trichloroethene	5.888	95	113009	10.305	ug/L	98
55)	1,2-Dichloropropane	6.423	63	146287	11.443	ug/L	97
58)	Bromodichloromethane	6.502	83	151919	10.005	ug/L	100
62)	cis-1,3-Dichloropropene	7.187	75	173477	9.857	ug/L	96
65)	Toluene	7.446	92	277195	11.483	ug/L	99
66)	4-Methyl-2-pentanone	7.876	58	32274	10.913	ug/L	96
67)	Tetrachloroethene	7.889	166	115521	11.717	ug/L	97
69)	trans-1,3-Dichloropropene	7.933	75	140287	10.103	ug/L	98
72)	1,1,2-Trichloroethane	8.113	83	72665	11.344	ug/L	98
73)	Chlorodibromomethane	8.319	129	98941	10.239	ug/L	99
75)	1,2-Dibromoethane	8.587	107	83659	10.555	ug/L	100
77)	2-Hexanone	8.885	43	49197	10.281	ug/L	98
78)	Chlorobenzene	9.236	112	308723	11.328	ug/L	99
79)	Ethylbenzene	9.280	91	531282	11.001	ug/L	99
81)	p/m Xylene	9.464	106	408172	22.351	ug/L	100
82)	o Xylene	10.009	106	406451	22.451	ug/L	100
83)	Styrene	10.079	104	668176	22.216	ug/L	99
85)	Bromoform	10.105	173	55046	9.518	ug/L	100
87)	Isopropylbenzene	10.413	105	535004	9.750	ug/L	100
92)	1,1,2,2-Tetrachloroethane	11.003	83	97309	10.176	ug/L	99
105)	1,3-Dichlorobenzene	11.902	146	276073	11.201	ug/L	98
106)	1,4-Dichlorobenzene	11.999	146	266371	11.041	ug/L	98
109)	1,2-Dichlorobenzene	12.422	146	263001	11.226	ug/L	97
111)	1,2-Dibromo-3-chloropr...	13.215	155	15393	9.291	ug/L	97
114)	1,2,4-Trichlorobenzene	13.849	180	160271	10.837	ug/L	98
116)	1,2,3-Trichlorobenzene	14.307	180	142175	10.750	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

```

Data Path      : K:\Elaine\2025\250910A\
Data File     : VE250910N03.D
Acq On        : 10 Sep 2025   9:17 pm
Operator      : ELAINE:TMS
Sample        : WG2113365-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc          : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
ALS Vial      : 36 Sample Multiplier: 1

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Quant Time: Sep 10 21:54:53 2025

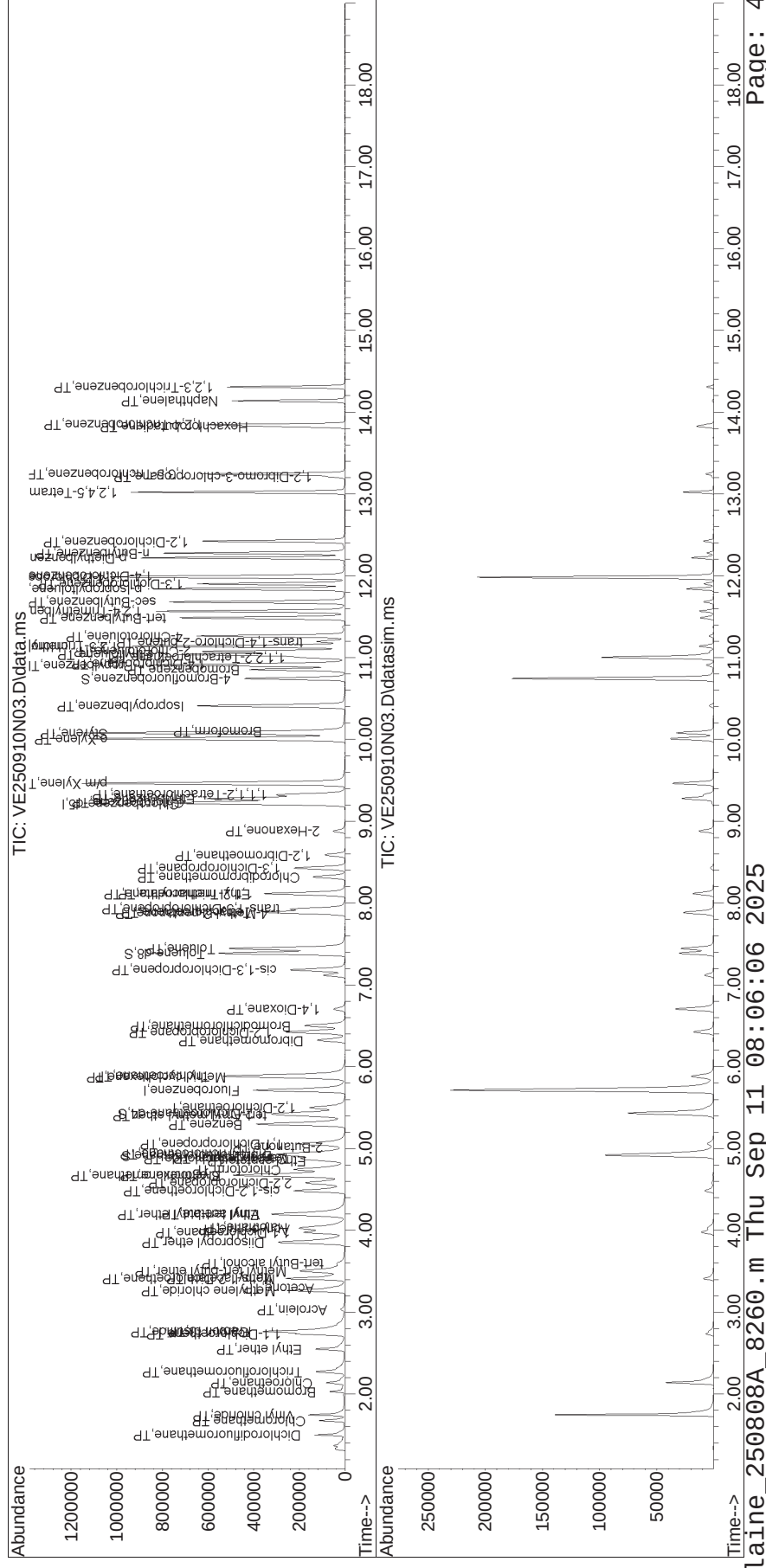
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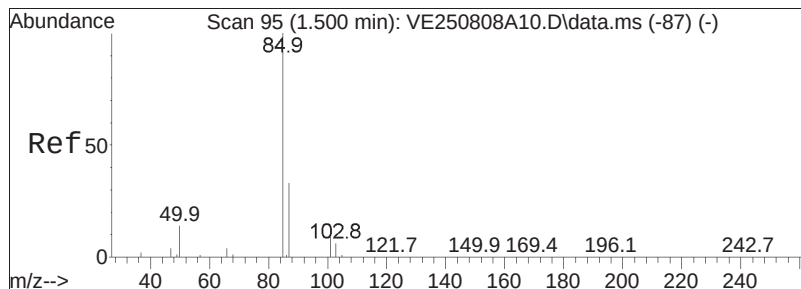
Quant Title : VOLATILES BY GC/MS

QLast Update : Mon Aug 11 08:01:29 2025

Response via : Initial Calibration

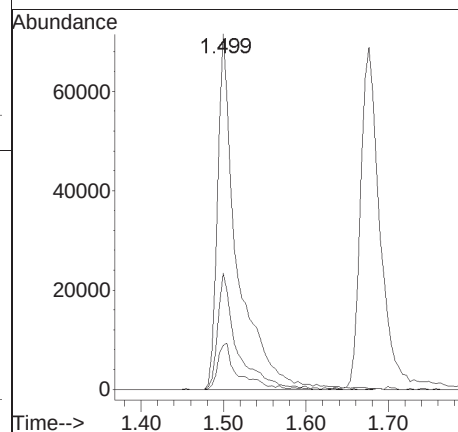
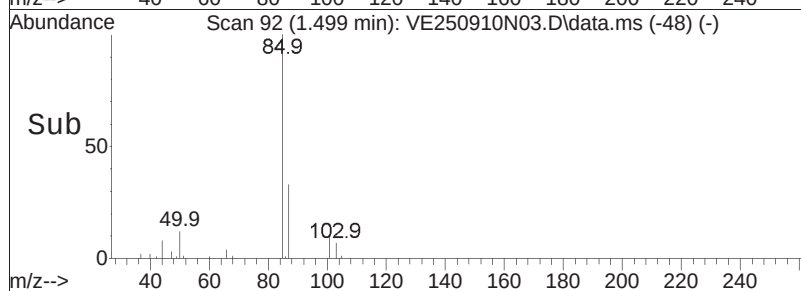
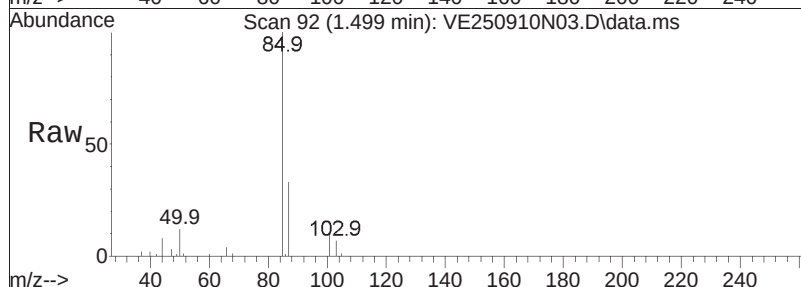
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

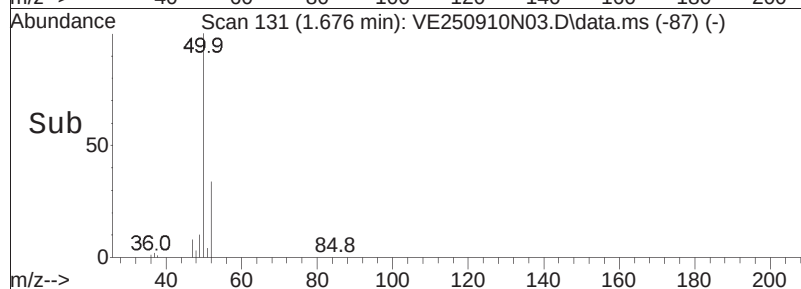
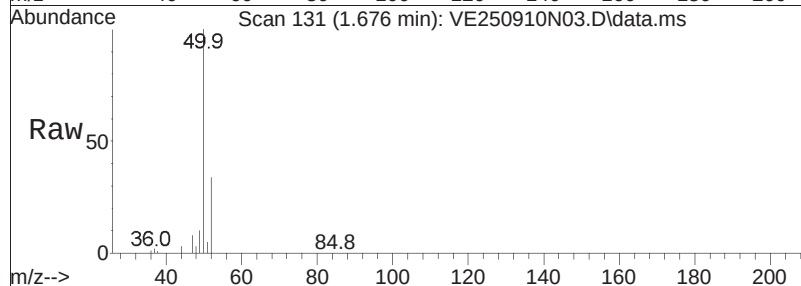
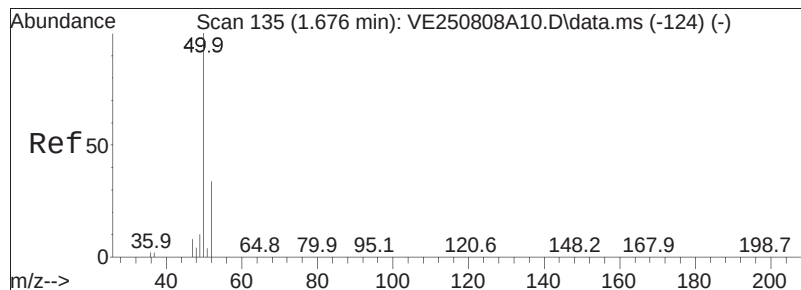




#2
 Dichlorodifluoromethane
 Concen: 11.20 ug/L
 RT: 1.499 min Scan# 92
 Delta R.T. -0.001 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

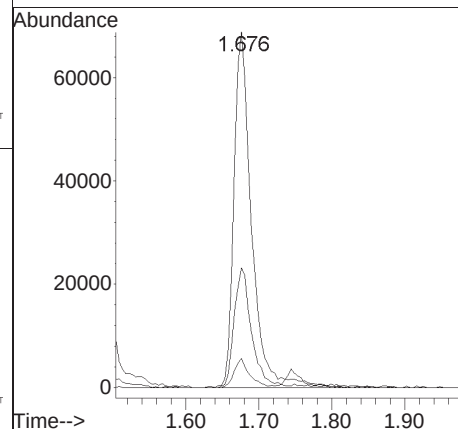
Tgt Ion	85	Resp:	120023
Ion Ratio	Lower	Upper	
85	100		
87	31.9	20.9	43.5
50	13.4	9.6	19.8

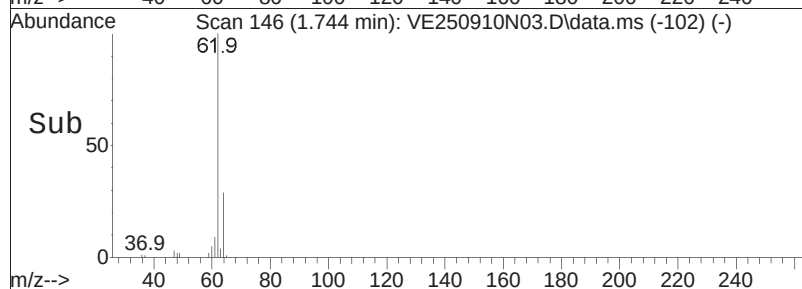
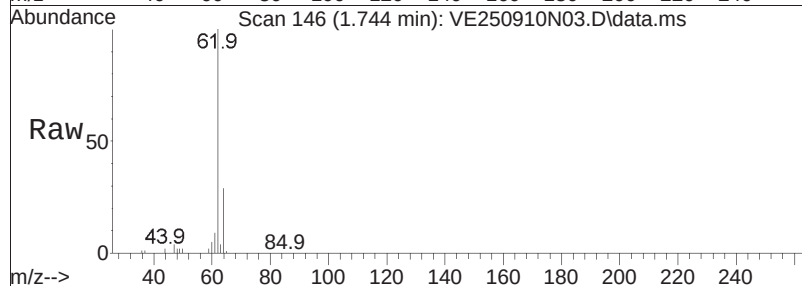
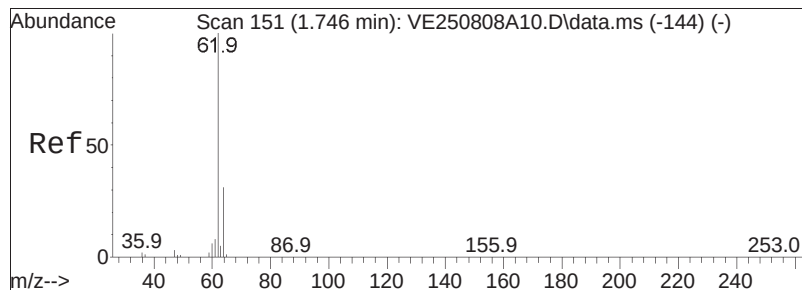




#3
 Chloromethane
 Concen: 7.67 ug/L
 RT: 1.676 min Scan# 131
 Delta R.T. 0.000 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

Tgt	Ion	Ratio	Lower	Upper
50	100			
52	32.8	12.8	52.8	
47	7.1	0.0	27.7	





#4

Vinyl chloride

Concen: 12.12 ug/L

RT: 1.744 min Scan# 146

Delta R.T. -0.002 min

Lab File: VE250910N03.D

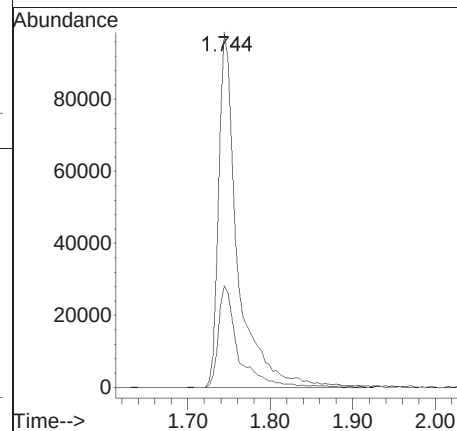
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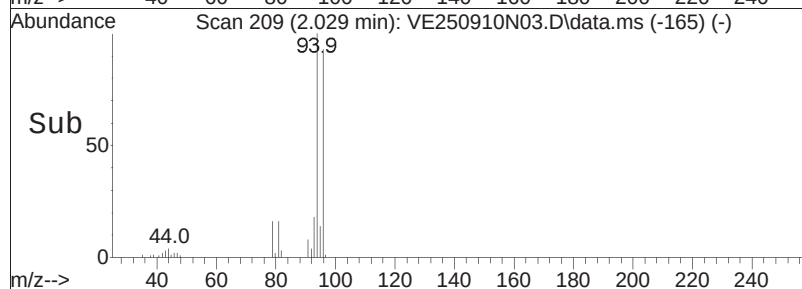
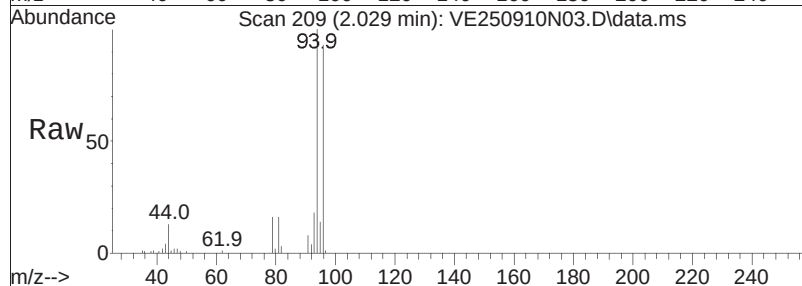
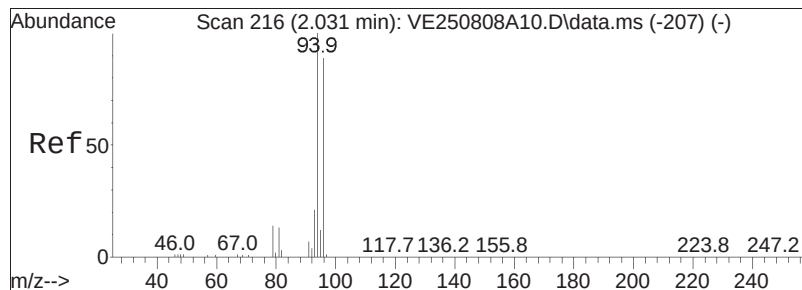
Tgt Ion: 62 Resp: 159785

Ion Ratio Lower Upper

62 100

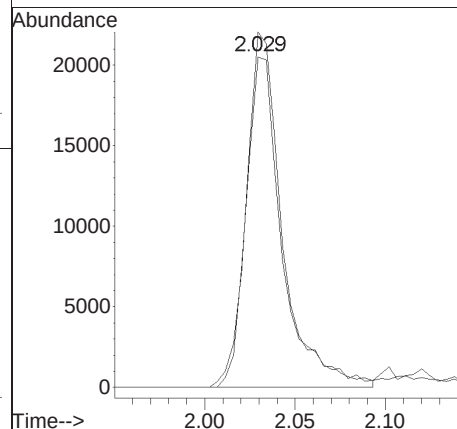
64 30.0 10.2 50.2

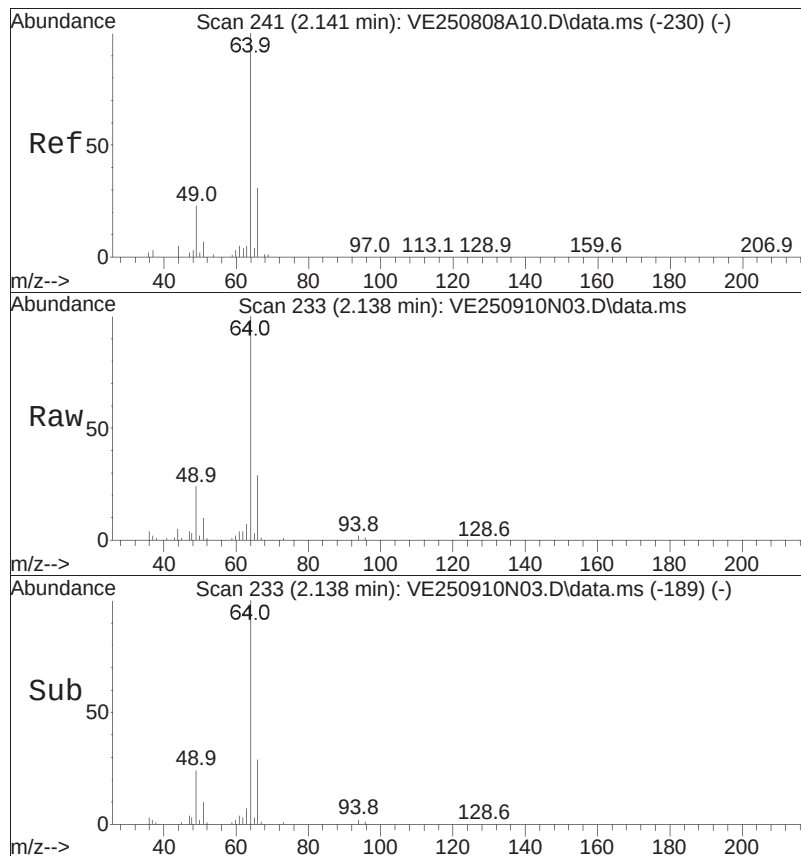




#5
 Bromomethane
 Concen: 5.34 ug/L
 RT: 2.029 min Scan# 209
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

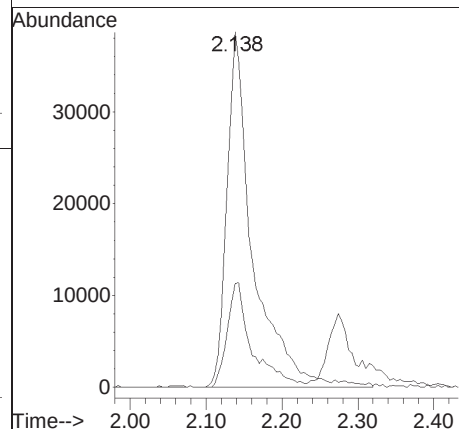
Tgt Ion	Ratio	Lower	Upper
94	100		
96	102.4	71.7	111.7

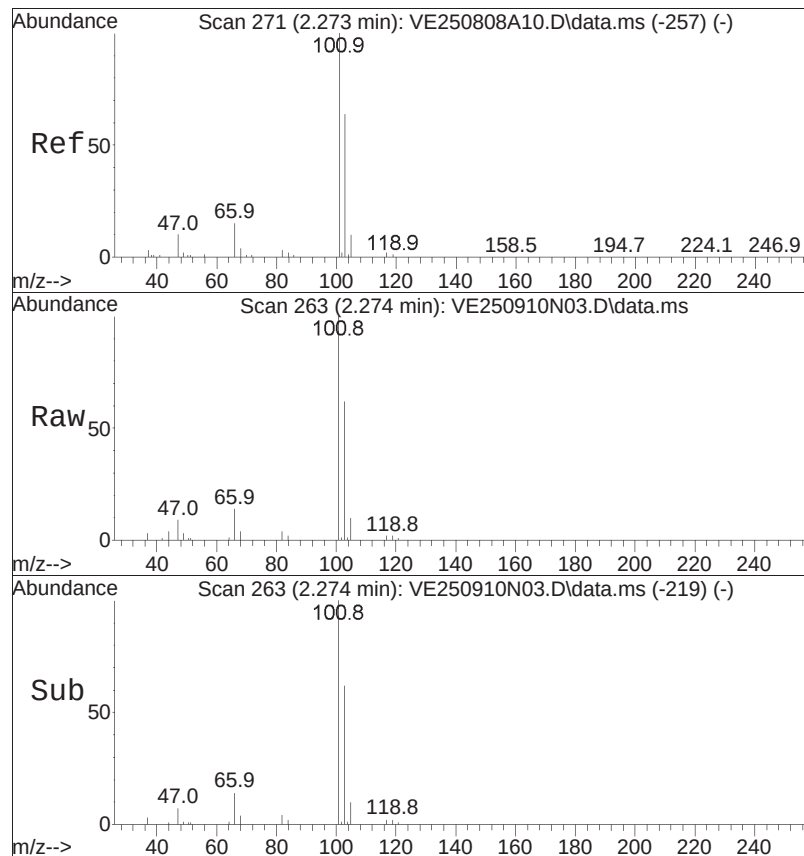




#6
 Chloroethane
 Concen: 12.90 ug/L
 RT: 2.138 min Scan# 233
 Delta R.T. -0.003 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

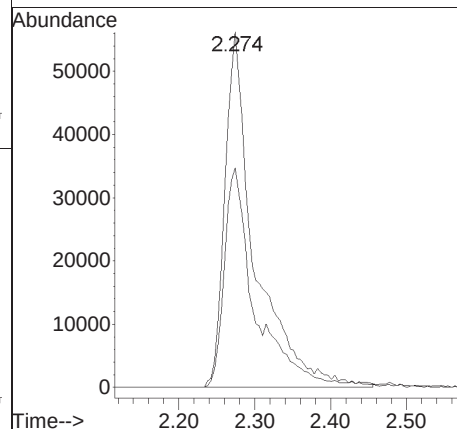
Tgt Ion	Ratio	Lower	Upper
64	100		
66	28.8	11.5	51.5

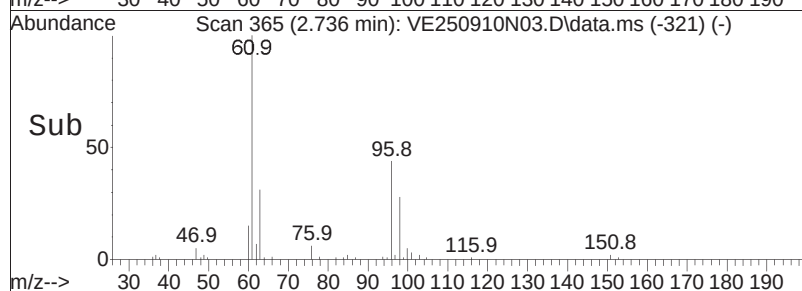
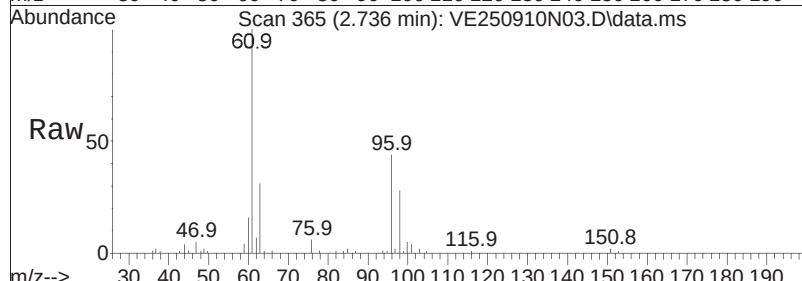
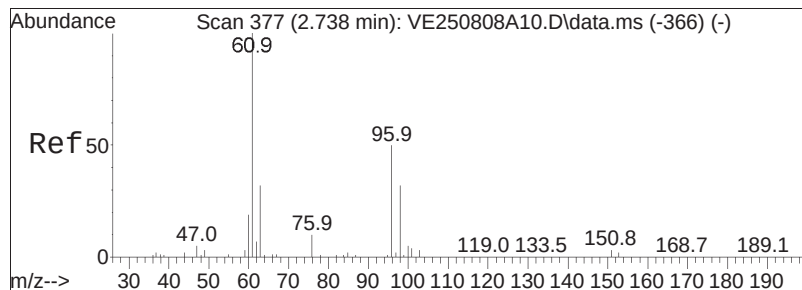




#7
 Trichlorofluoromethane
 Concen: 10.69 ug/L
 RT: 2.274 min Scan# 263
 Delta R.T. 0.001 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

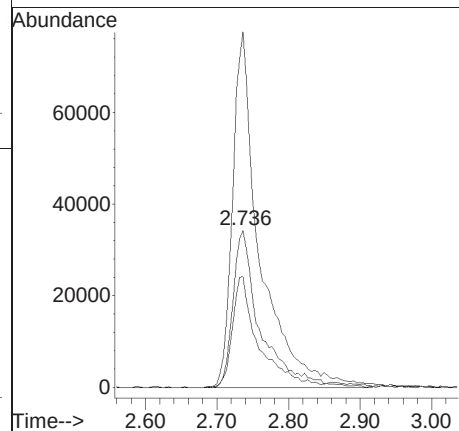
Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.2	78.4

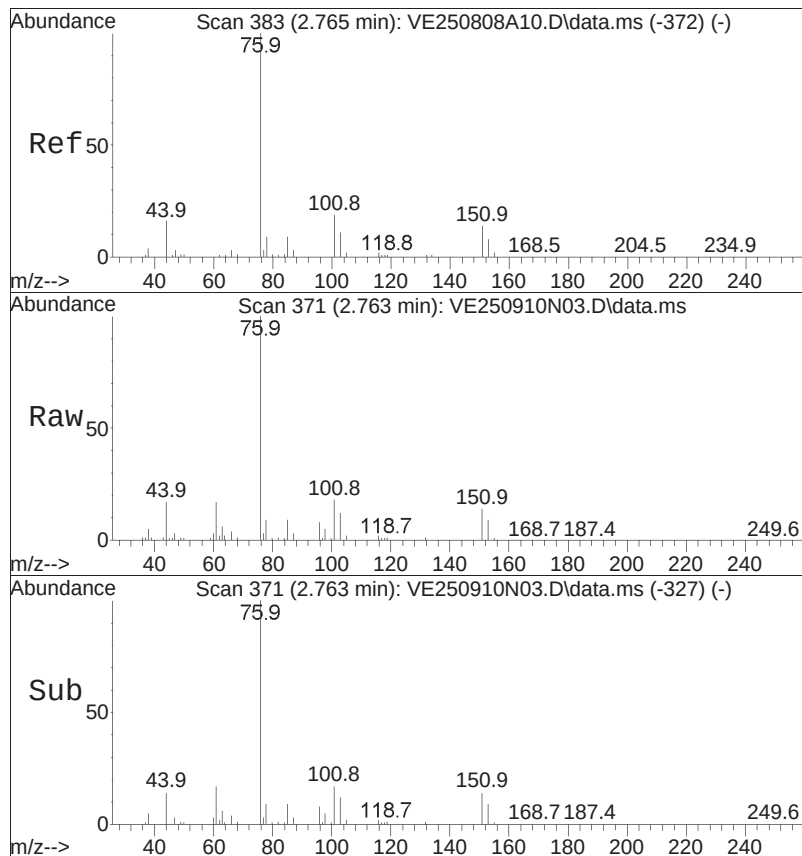




#10
 1,1-Dichloroethene
 Concen: 10.59 ug/L
 RT: 2.736 min Scan# 365
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

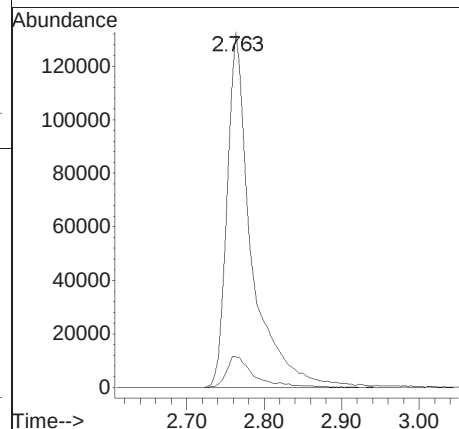
Tgt Ion:	96	Resp:	92685
Ion Ratio	Lower	Upper	
96	100		
61	221.9	164.0	246.0
63	68.6	51.8	77.8

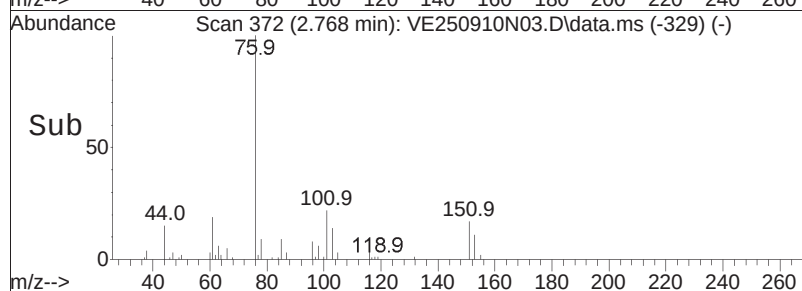
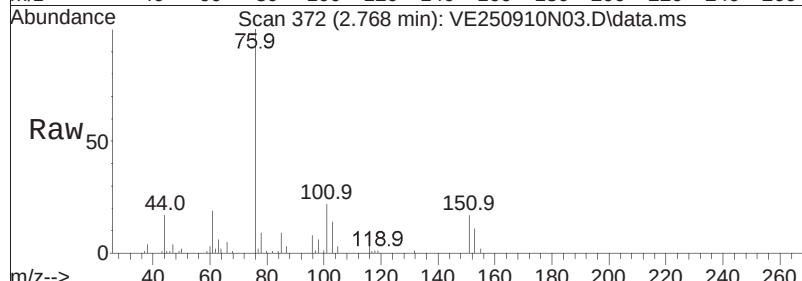
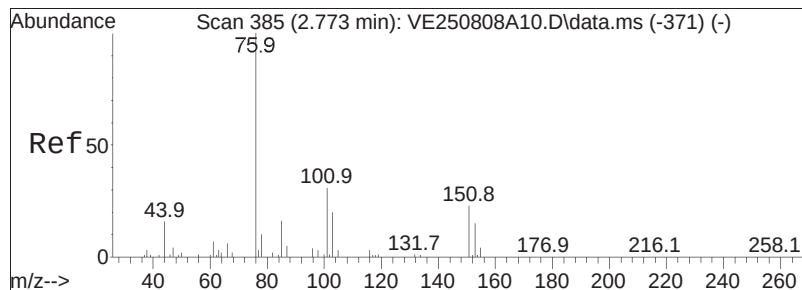




#11
 Carbon disulfide
 Concen: 11.33 ug/L
 RT: 2.763 min Scan# 371
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

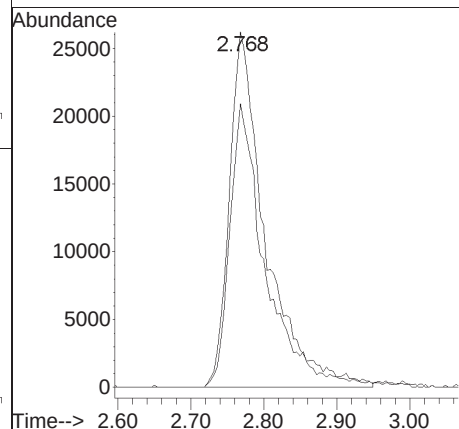
Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.9	14.3

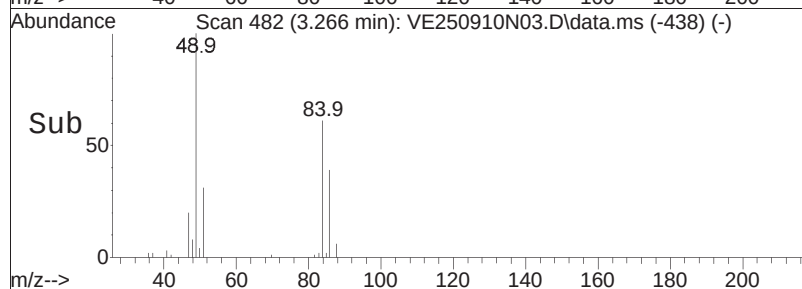
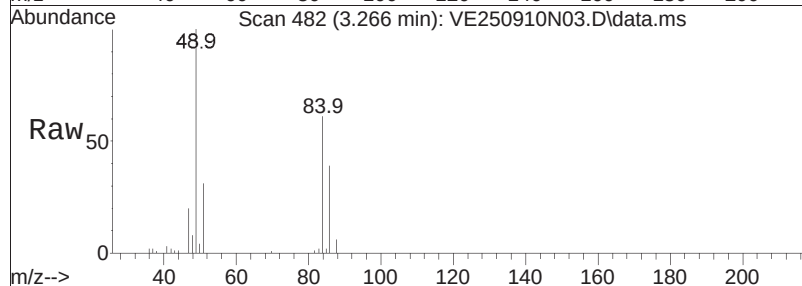
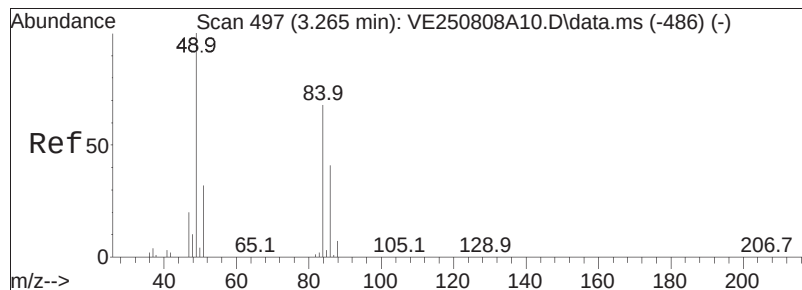




#12
 Freon-113
 Concen: 10.35 ug/L
 RT: 2.768 min Scan# 372
 Delta R.T. -0.005 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

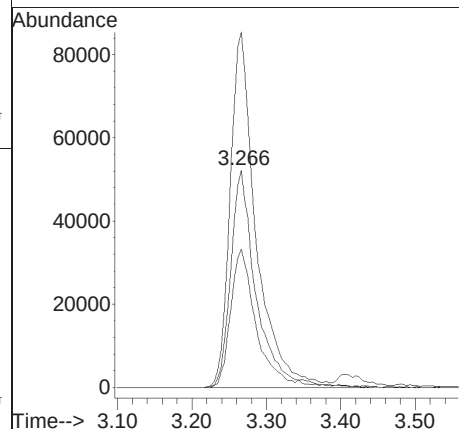
Tgt Ion	Ratio	Lower	Upper
101	100		
151	78.2	62.7	94.1

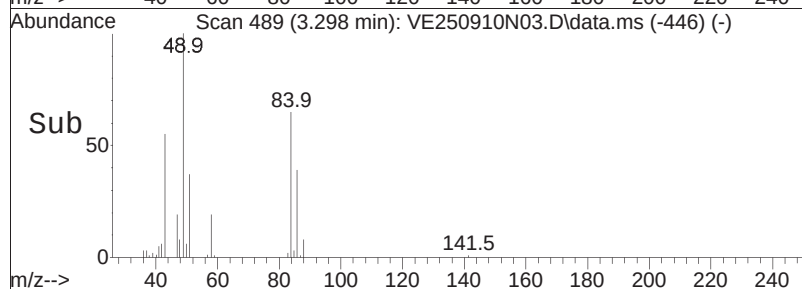
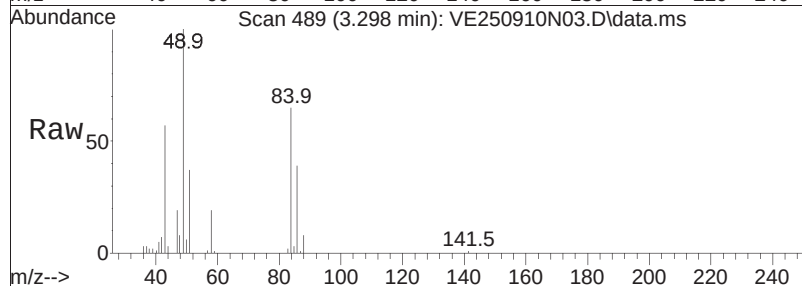
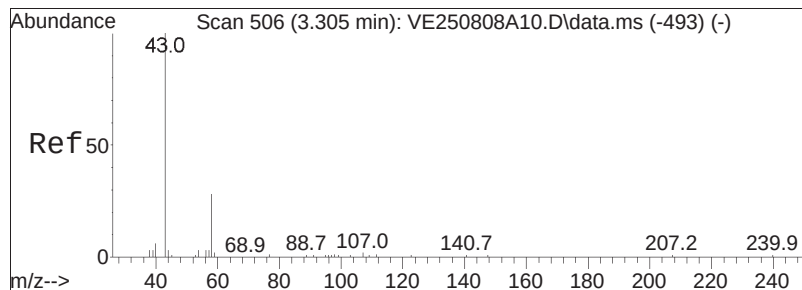




#15
Methylene chloride
Concen: 11.65 ug/L
RT: 3.266 min Scan# 482
Delta R.T. 0.001 min
Lab File: VE250910N03.D
Acq: 10 Sep 2025 9:17 pm

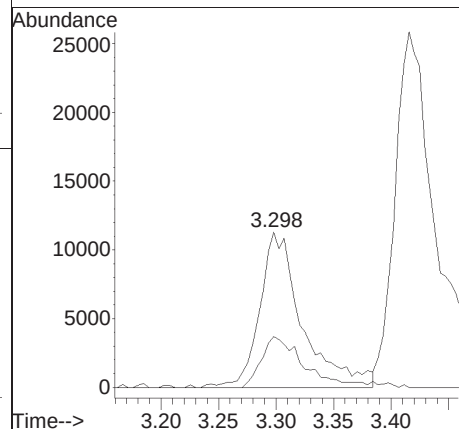
Tgt	Ion: 84	Resp:	124581
Ion	Ratio	Lower	Upper
84	100		
86	65.0	40.4	84.0
49	165.8	100.2	208.2

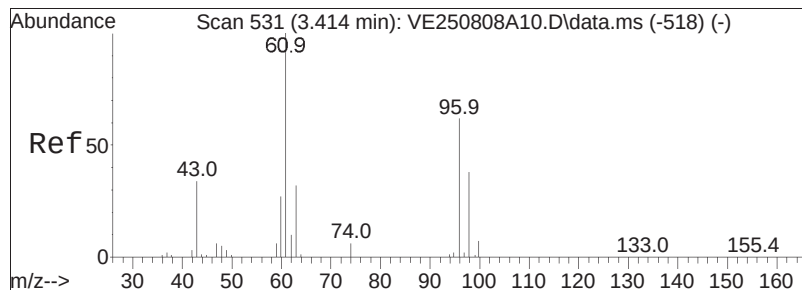




#17
Acetone
Concen: 11.59 ug/L
RT: 3.298 min Scan# 489
Delta R.T. -0.007 min
Lab File: VE250910N03.D
Acq: 10 Sep 2025 9:17 pm

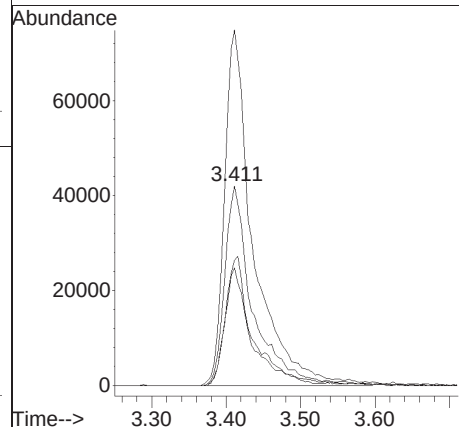
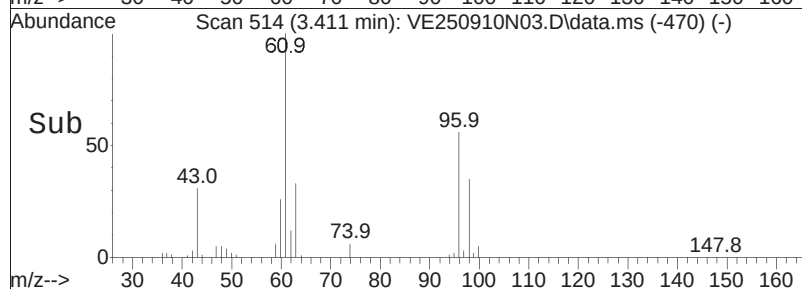
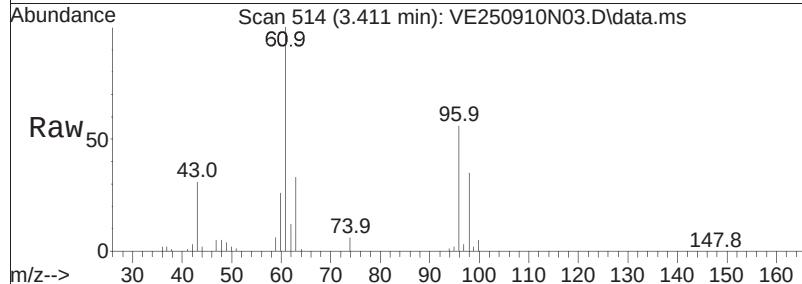
Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.7	41.5

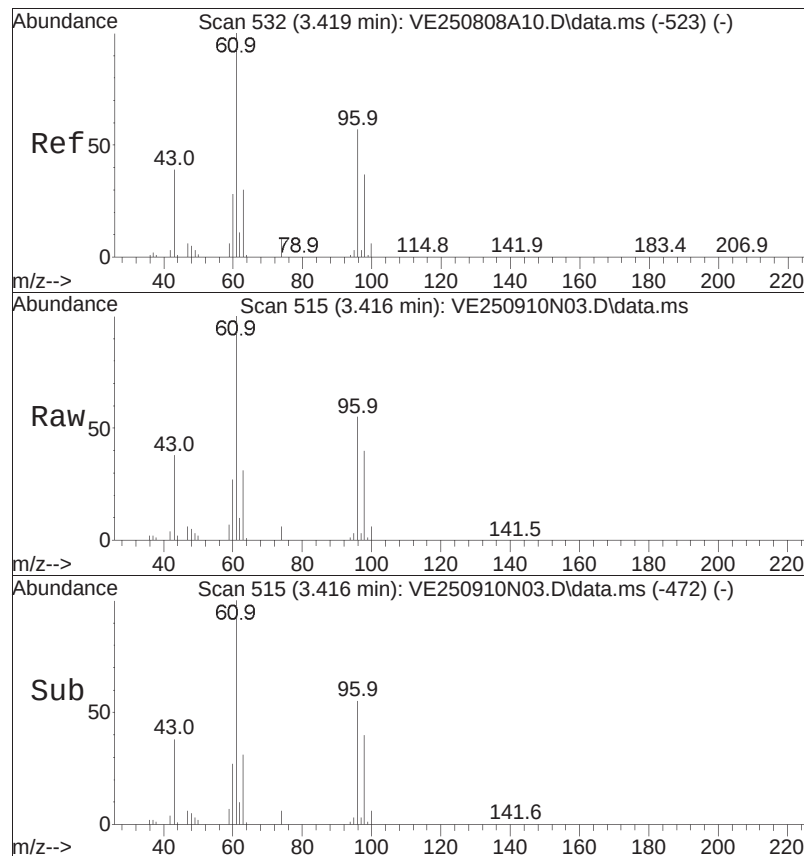




#18
 trans-1,2-Dichloroethene
 Concen: 10.61 ug/L
 RT: 3.411 min Scan# 514
 Delta R.T. -0.003 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

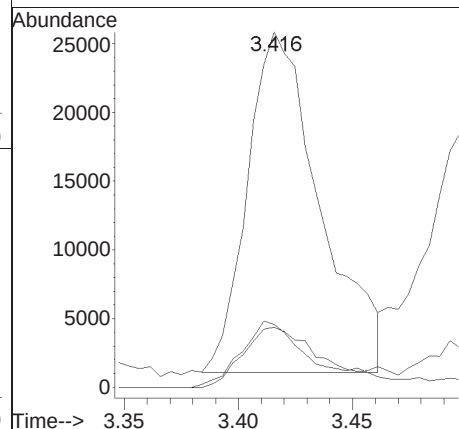
Tgt Ion:	96	Resp:	111210
Ion Ratio	Lower	Upper	
96	100		
61	181.1	113.1	234.9
98	63.8	41.7	86.7
63	57.4	35.4	73.4

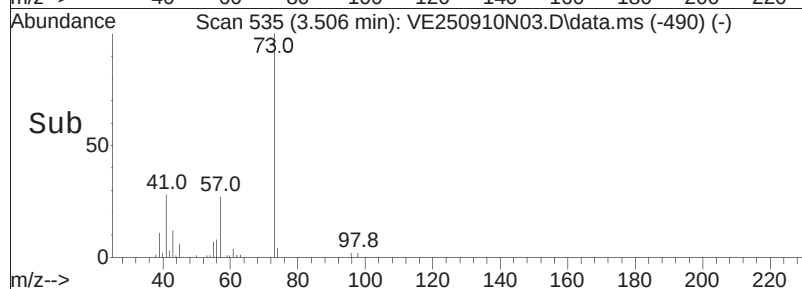
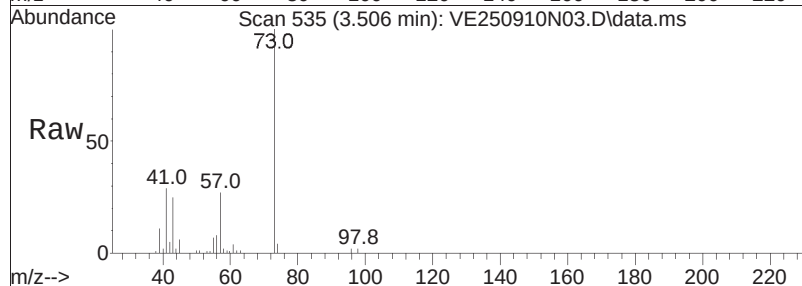
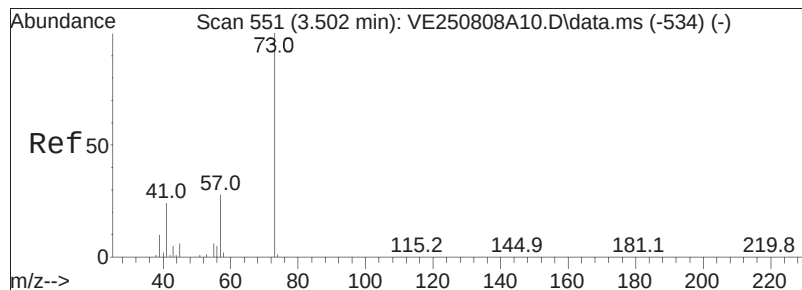




#19
Methyl acetate
Concen: 10.11 ug/L M6
RT: 3.416 min Scan# 515
Delta R.T. -0.003 min
Lab File: VE250910N03.D
Acq: 10 Sep 2025 9:17 pm

Tgt	Ion: 43	Resp:	54930
Ion	Ratio	Lower	Upper
43	100		
74	45.6	36.0	54.0
59	23.3	18.6	27.8





#21

Methyl tert-butyl ether

Concen: 9.37 ug/L

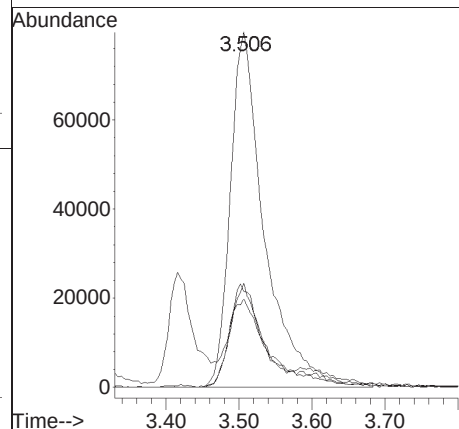
RT: 3.506 min Scan# 535

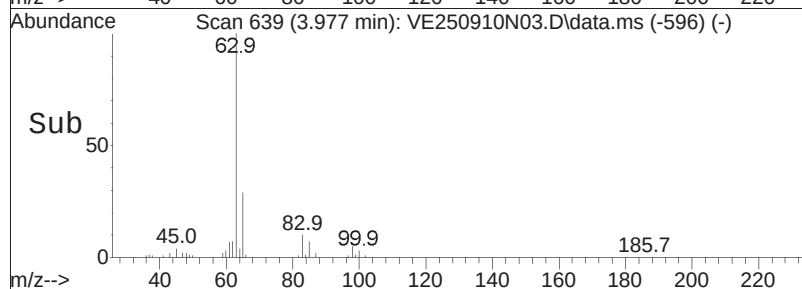
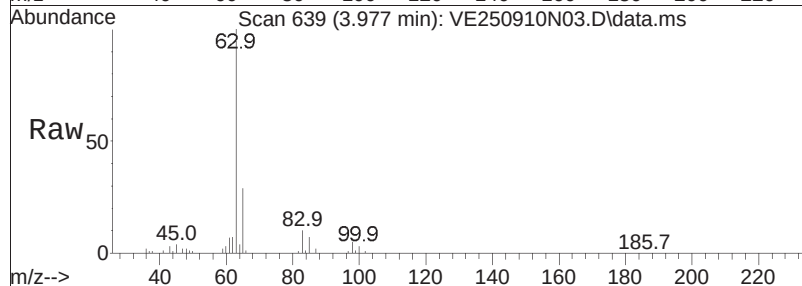
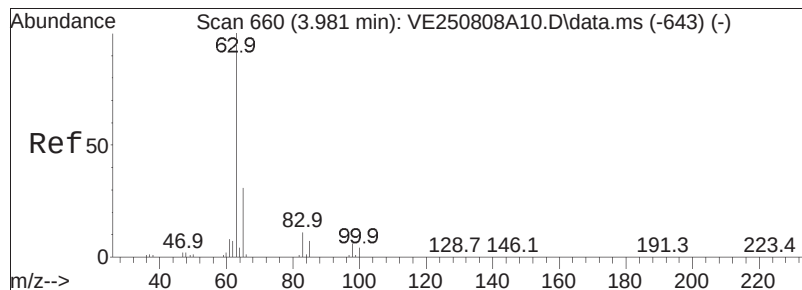
Delta R.T. 0.004 min

Lab File: VE250910N03.D

Acq: 10 Sep 2025 9:17 pm

Tgt	Ion: 73	Resp:	263046
Ion	Ratio	Lower	Upper
73	100		
57	31.3	18.9	39.3
43	0.0	17.9	37.1#
41	32.3	17.3	35.9





#25

1,1-Dichloroethane

Concen: 12.20 ug/L

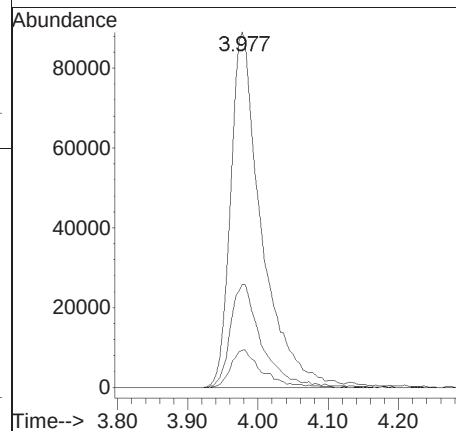
RT: 3.977 min Scan# 639

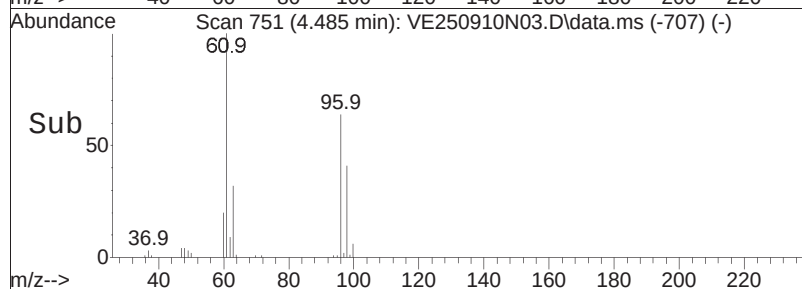
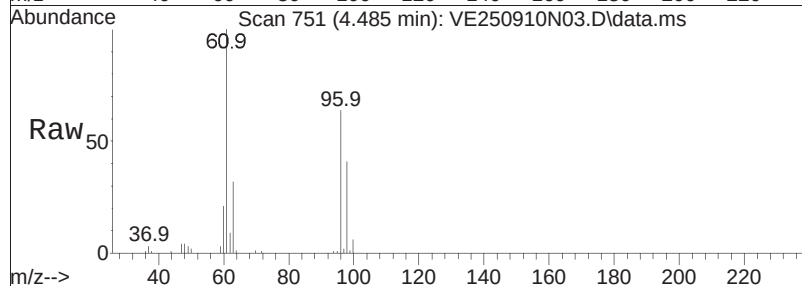
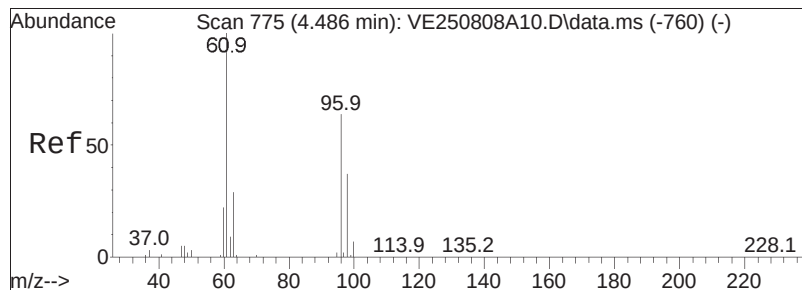
Delta R.T. -0.003 min

Lab File: VE250910N03.D

Acq: 10 Sep 2025 9:17 pm

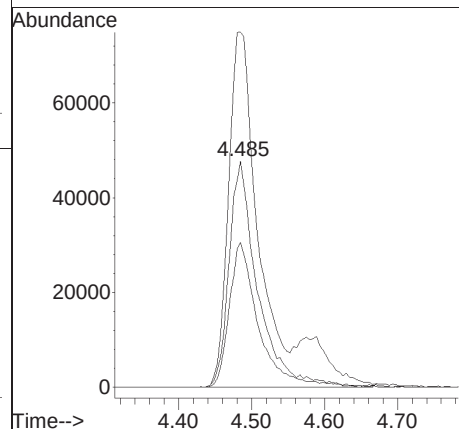
Tgt	Ion: 63	Resp:	273818
Ion	Ratio	Lower	Upper
63	100		
65	29.5	11.1	51.1
83	10.7	0.0	31.4

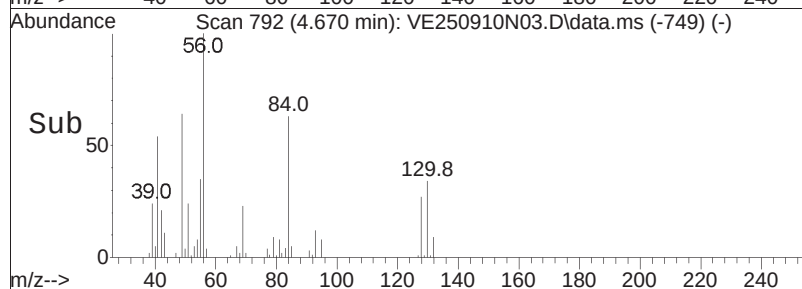
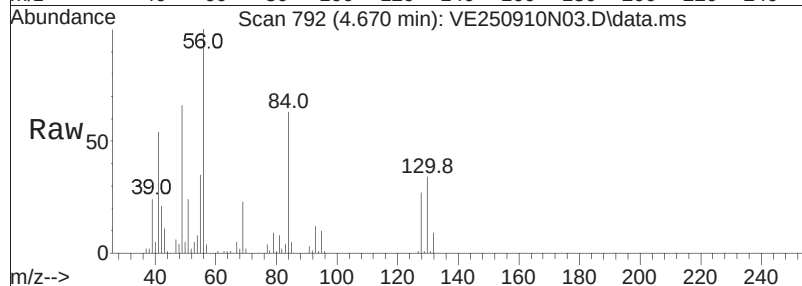
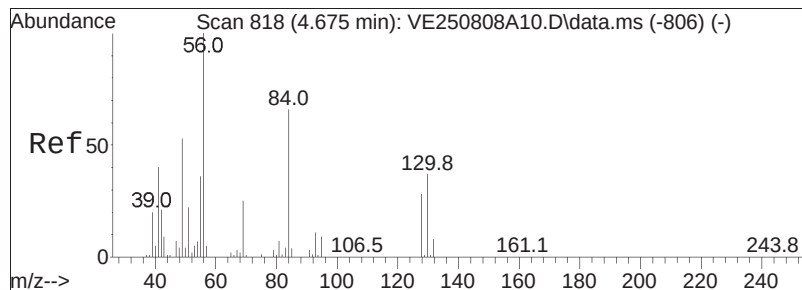




#30
 cis-1,2-Dichloroethene
 Concen: 11.00 ug/L
 RT: 4.485 min Scan# 751
 Delta R.T. -0.001 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

Tgt Ion:	96	Resp:	130846
Ion Ratio	Lower	Upper	
96	100		
61	185.0	143.0	214.6
98	65.2	50.5	75.7





#33

Bromochloromethane

Concen: 11.24 ug/L

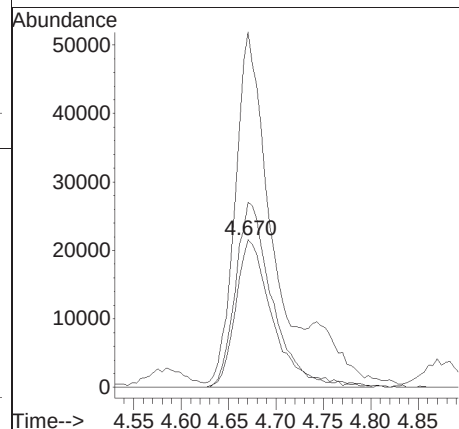
RT: 4.670 min Scan# 792

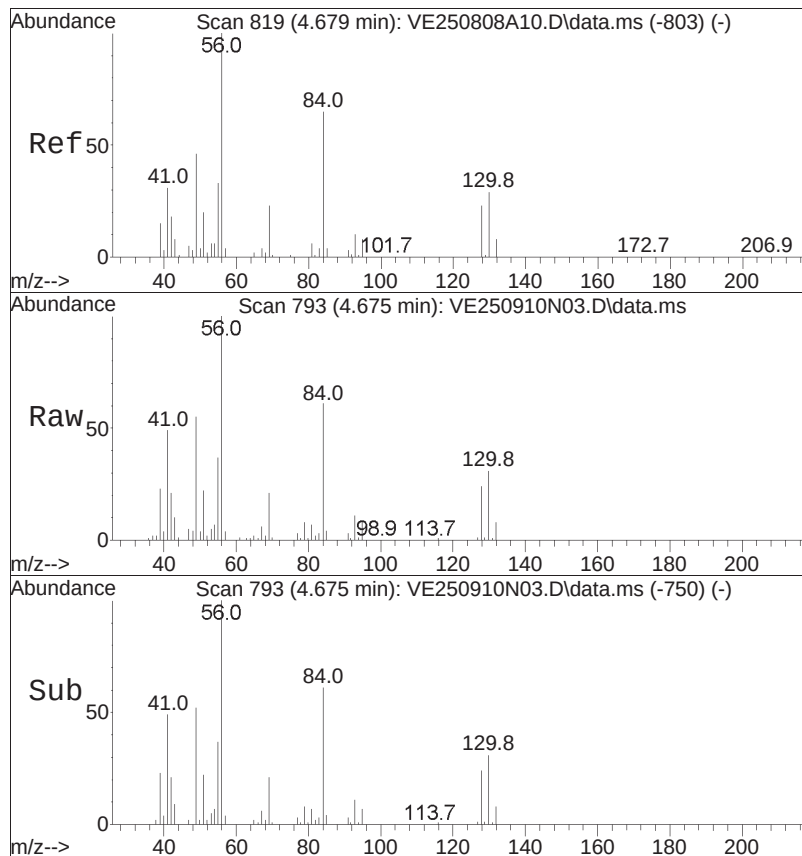
Delta R.T. -0.004 min

Lab File: VE250910N03.D

Acq: 10 Sep 2025 9:17 pm

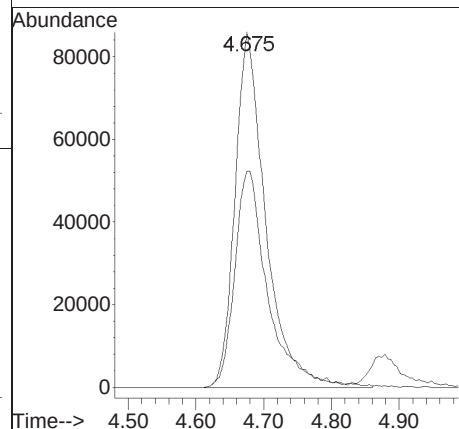
Tgt Ion:	128	Resp:	58739
Ion Ratio	Lower	Upper	
128	100		
49	257.1	194.7	292.1
130	126.0	105.6	158.4

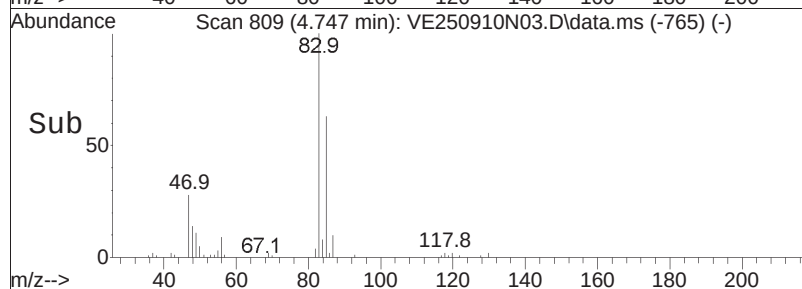
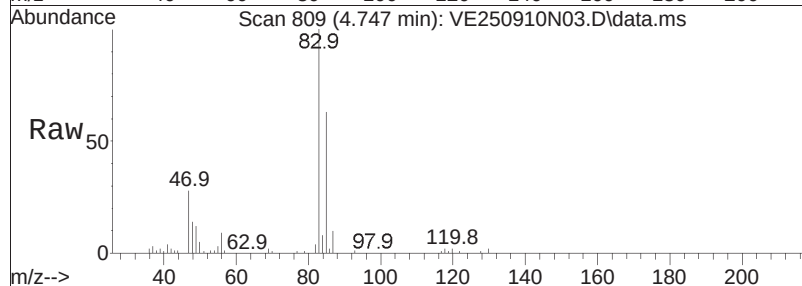
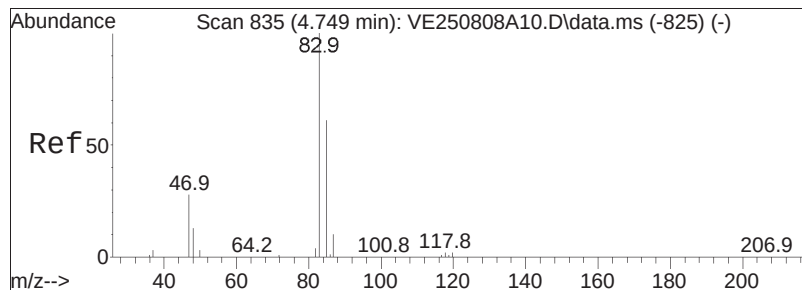




#34
Cyclohexane
Concen: 10.62 ug/L
RT: 4.675 min Scan# 793
Delta R.T. -0.004 min
Lab File: VE250910N03.D
Acq: 10 Sep 2025 9:17 pm

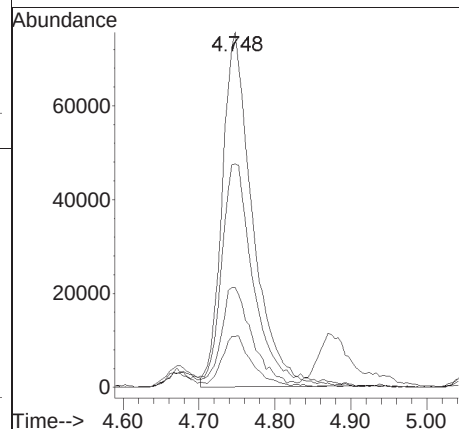
Tgt	Ion	Ratio	Lower	Upper
56	100			
84	65.4	45.3	94.1	

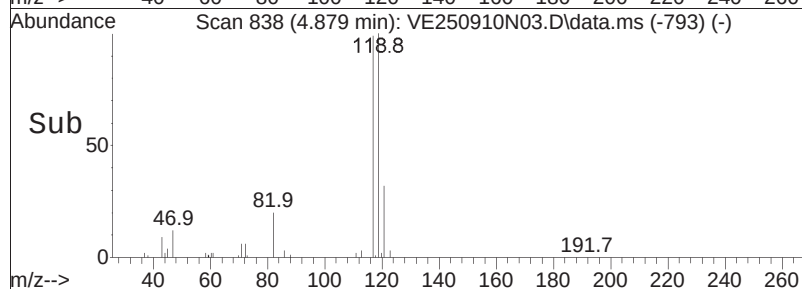
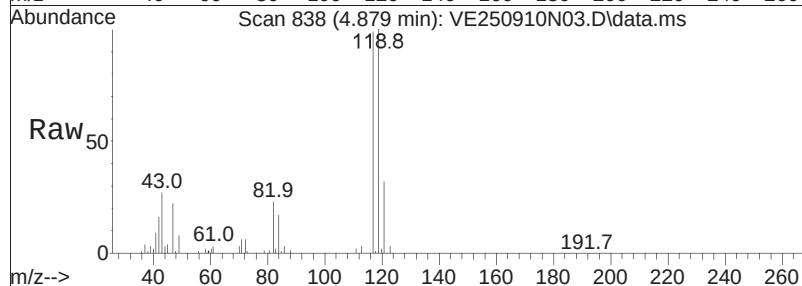
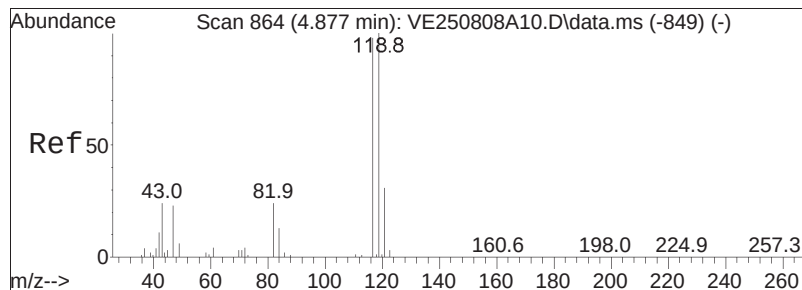




#35
 Chloroform
 Concen: 10.79 ug/L
 RT: 4.747 min Scan# 809
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

Tgt	Ion	Resp	212821
Ion	Ratio	Lower	Upper
83	100		
85	65.8	40.9	84.9
47	24.9	16.8	35.0
48	14.4	9.1	18.9





#37

Carbon tetrachloride

Concen: 10.76 ug/L

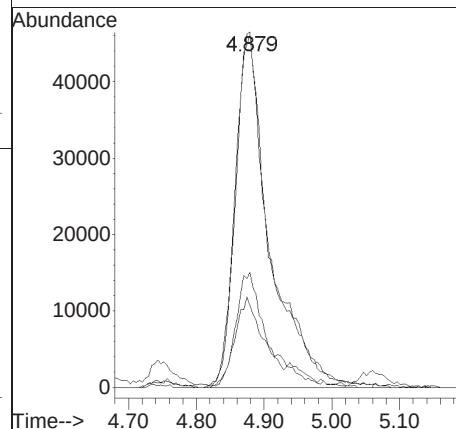
RT: 4.879 min Scan# 838

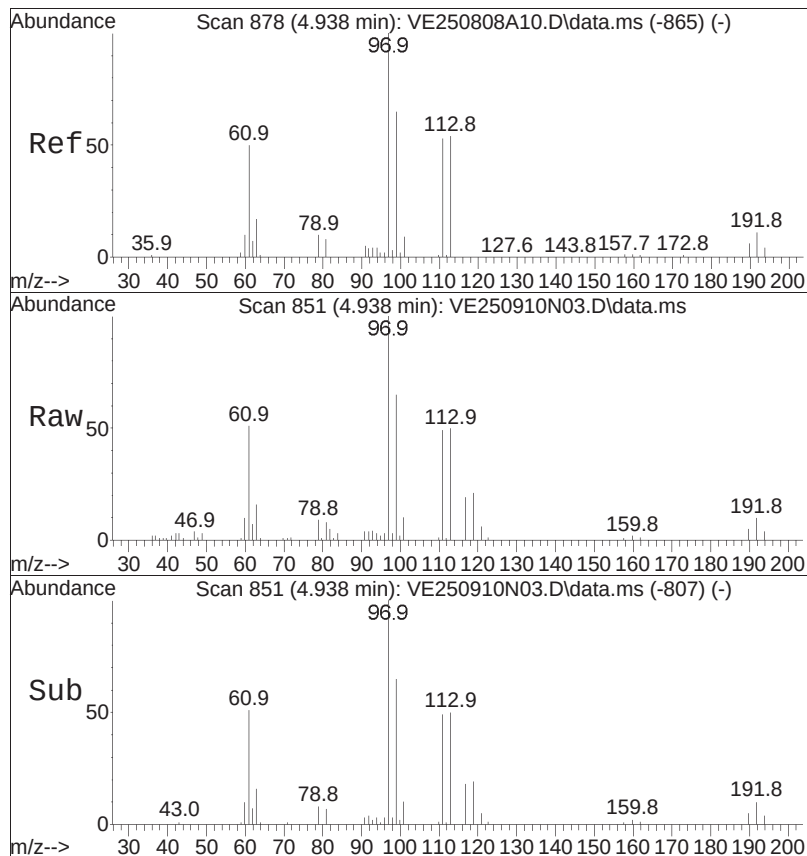
Delta R.T. 0.002 min

Lab File: VE250910N03.D

Acq: 10 Sep 2025 9:17 pm

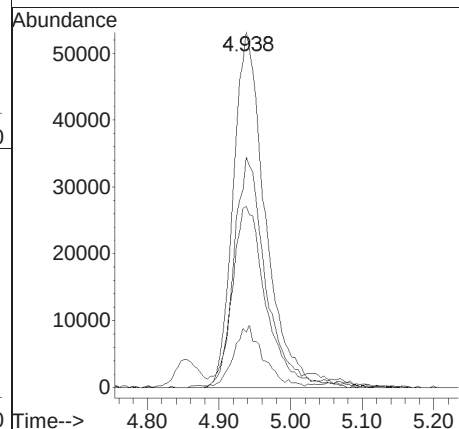
Tgt Ion:	117	Resp:	165322
Ion Ratio	Lower	Upper	
117	100		
119	97.9	77.2	160.4
121	31.3	25.0	51.8
82	23.8	19.4	40.2

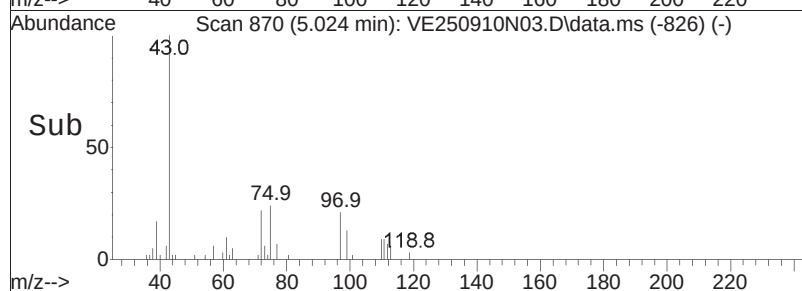
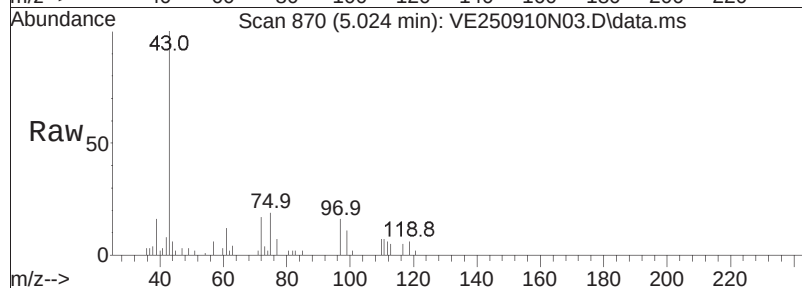
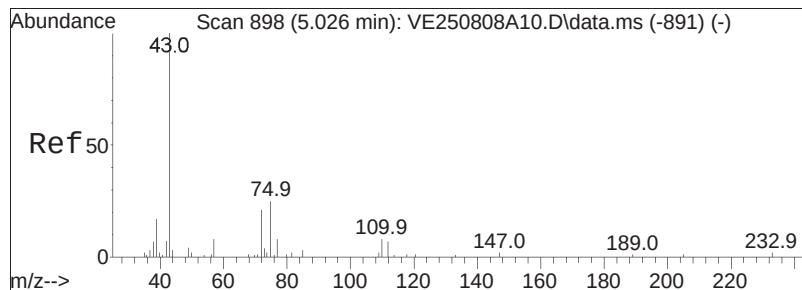




#40
 1,1,1-Trichloroethane
 Concen: 10.18 ug/L
 RT: 4.938 min Scan# 851
 Delta R.T. -0.000 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

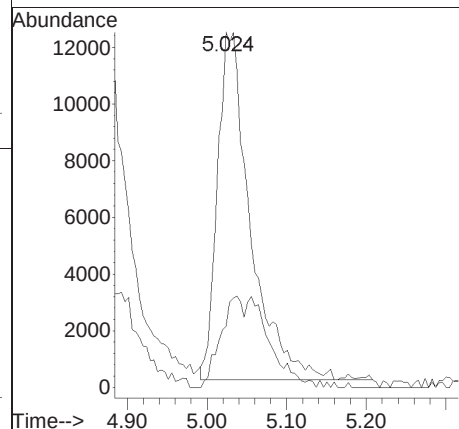
Tgt Ion:	97	Resp:	168319
Ion Ratio	Lower	Upper	
97	100		
99	63.8	42.1	87.5
61	54.0	34.1	70.9
63	16.9	10.8	22.4

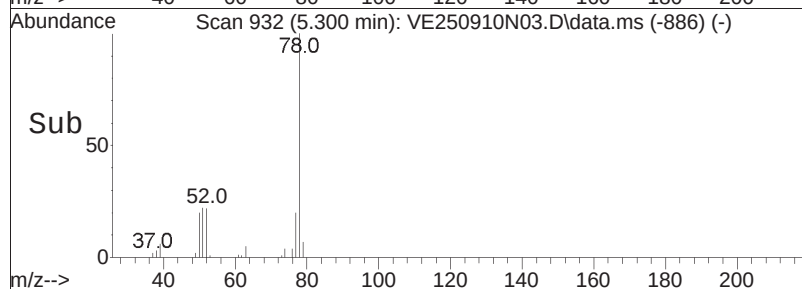
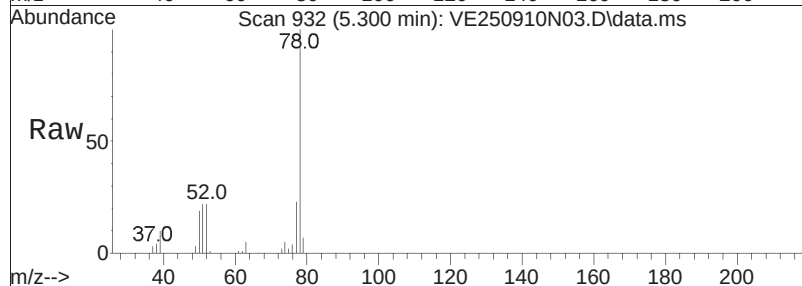
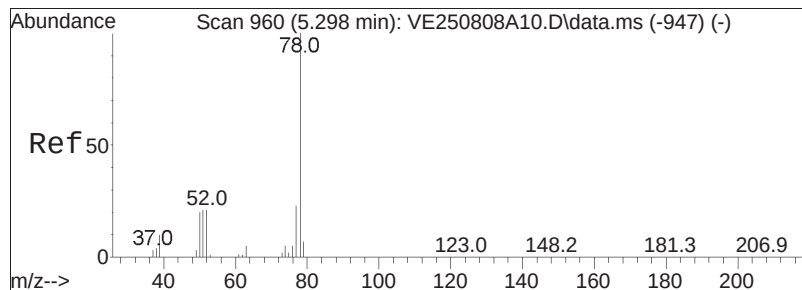




#42
 2-Butanone
 Concen: 10.70 ug/L
 RT: 5.024 min Scan# 870
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

Tgt Ion:	43	72	Ion Ratio	100	37.2	Resp:	35406	Lower	Upper
								34.2	51.2





#45

Benzene

Concen: 10.76 ug/L

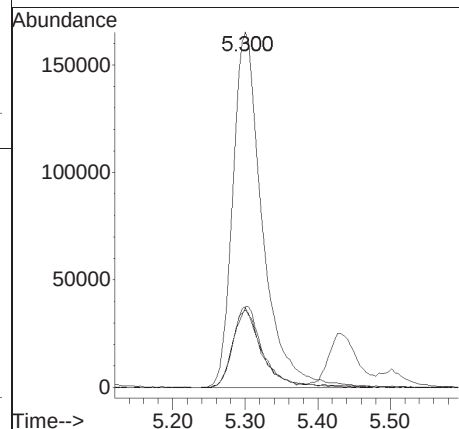
RT: 5.300 min Scan# 932

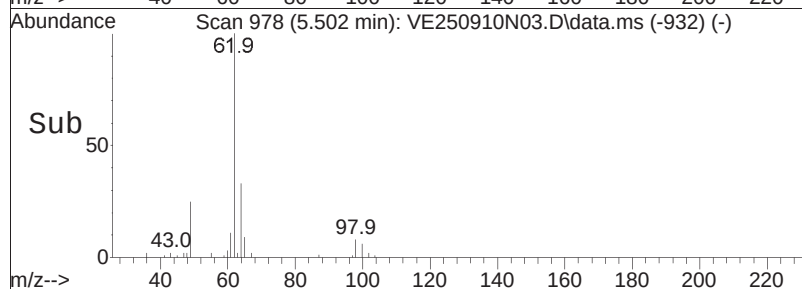
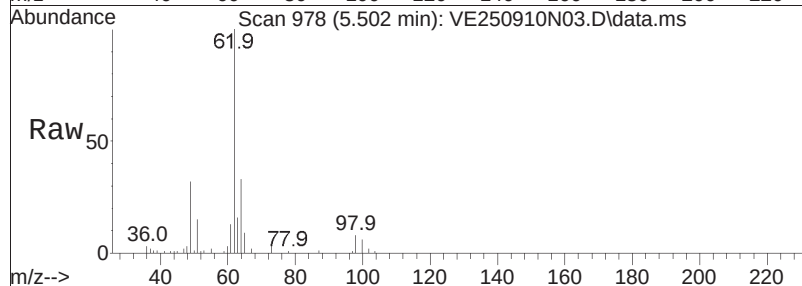
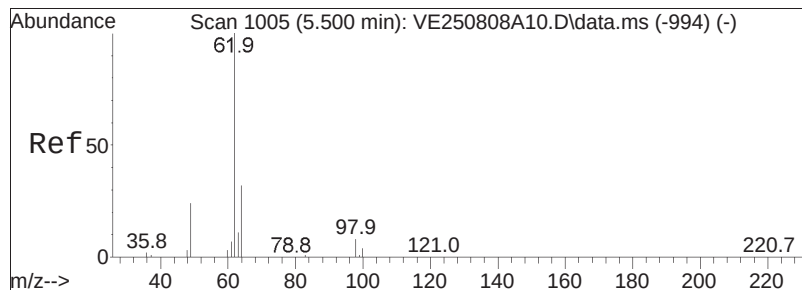
Delta R.T. 0.002 min

Lab File: VE250910N03.D

Acq: 10 Sep 2025 9:17 pm

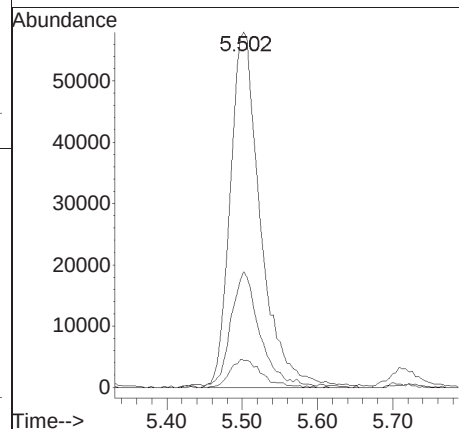
Tgt Ion:	78	Resp:	468290
Ion Ratio	Lower	Upper	
78	100		
77	23.2	15.2	31.6
51	21.7	14.1	29.3
52	22.4	13.8	28.6

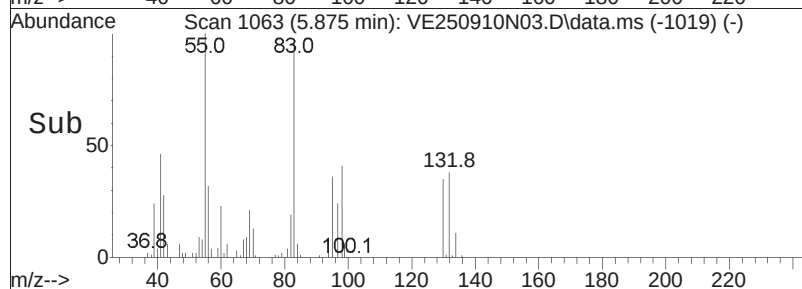
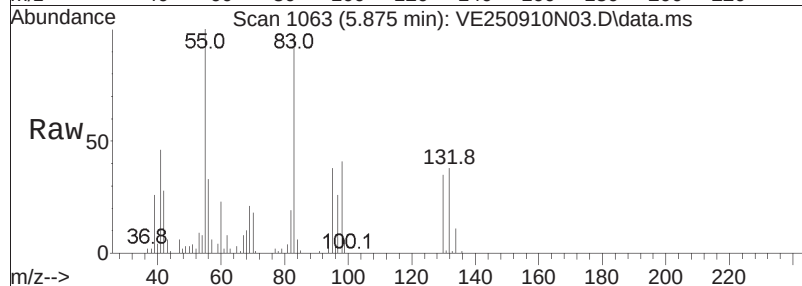
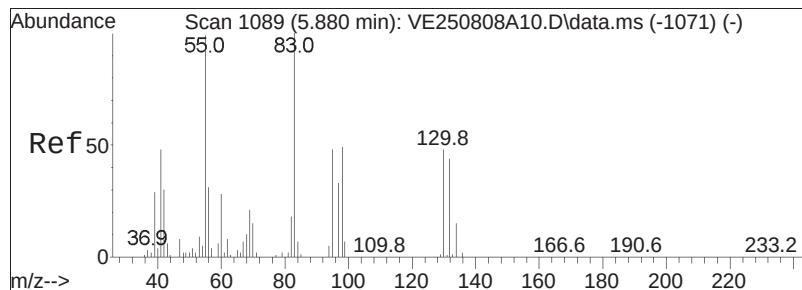




#48
 1,2-Dichloroethane
 Concen: 9.85 ug/L
 RT: 5.502 min Scan# 978
 Delta R.T. 0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

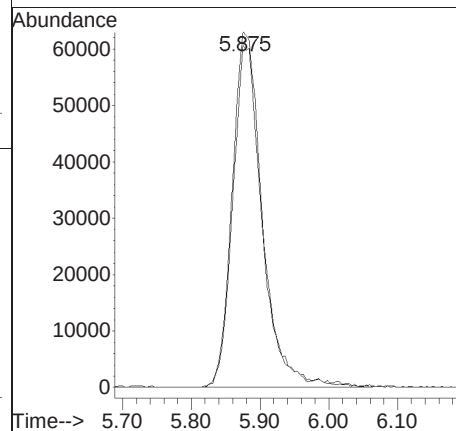
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.7	11.5	51.5
98	8.2	0.0	27.8

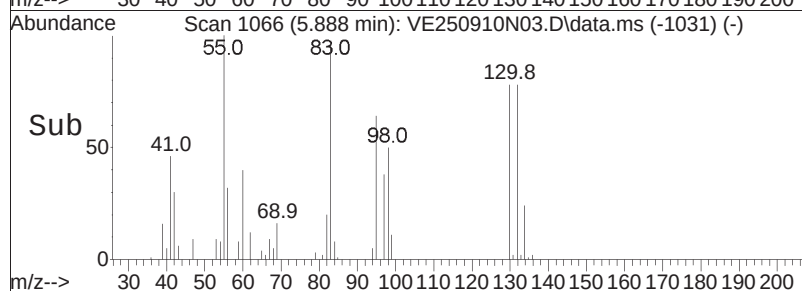
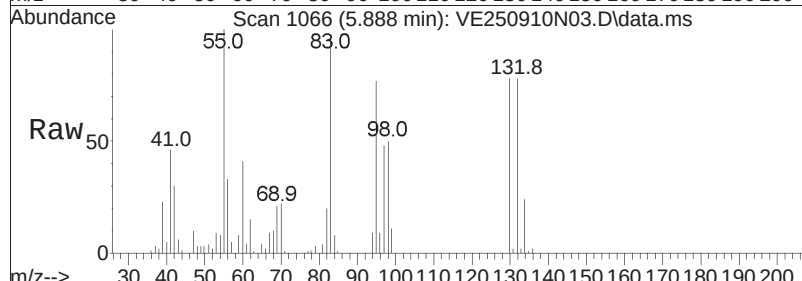
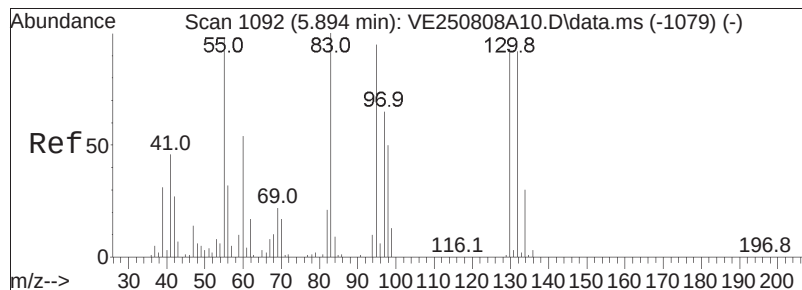




#51
Methyl cyclohexane
Concen: 9.56 ug/L
RT: 5.875 min Scan# 1063
Delta R.T. -0.005 min
Lab File: VE250910N03.D
Acq: 10 Sep 2025 9:17 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
55	107.2	79.2	118.8





#52

Trichloroethene

Concen: 10.31 ug/L

RT: 5.888 min Scan# 1066

Delta R.T. -0.005 min

Lab File: VE250910N03.D

Acq: 10 Sep 2025 9:17 pm

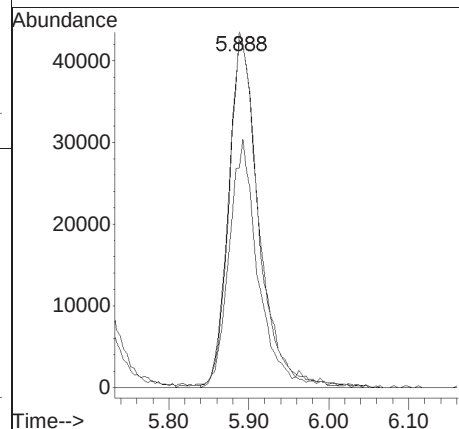
Tgt Ion: 95 Resp: 113009

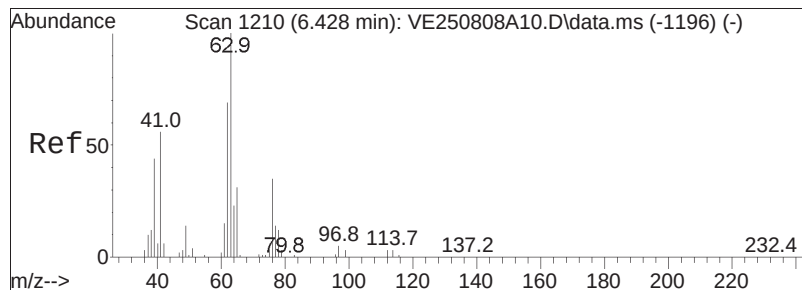
Ion Ratio Lower Upper

95 100

97 68.6 55.8 83.8

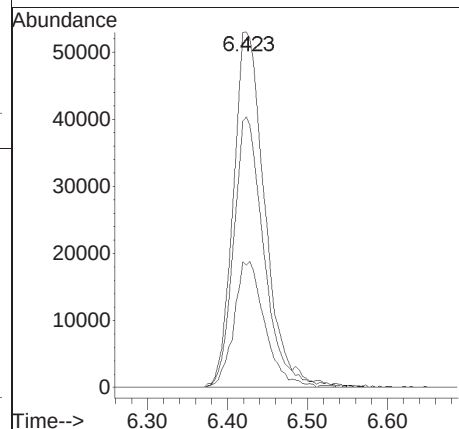
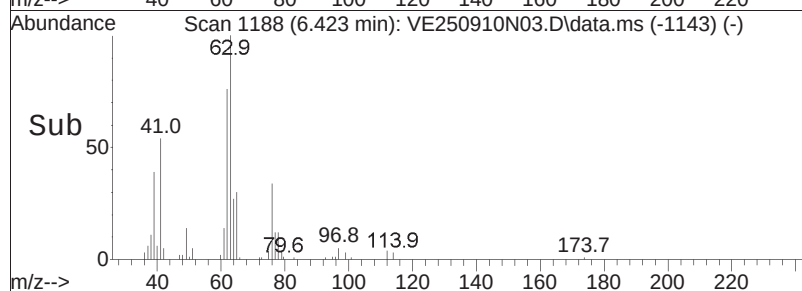
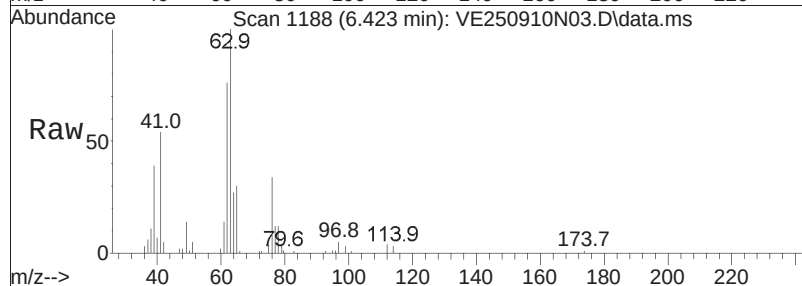
130 99.8 81.5 122.3

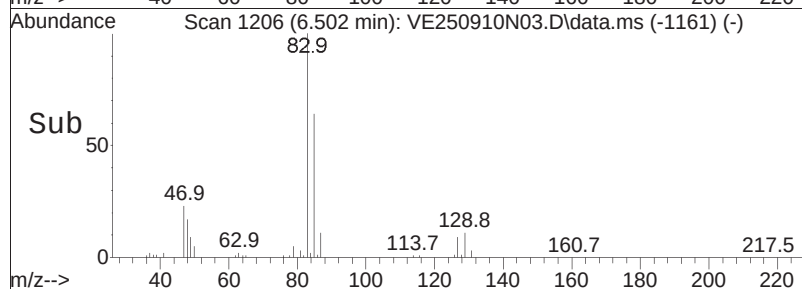
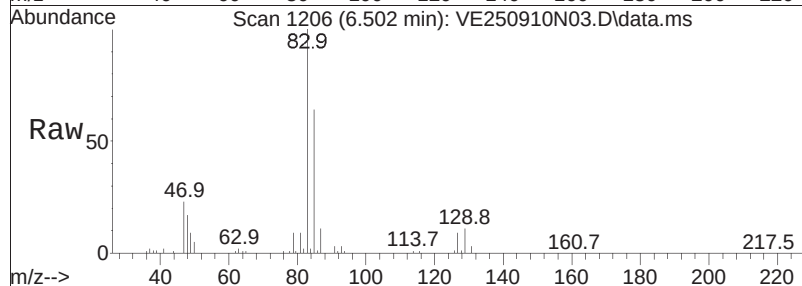
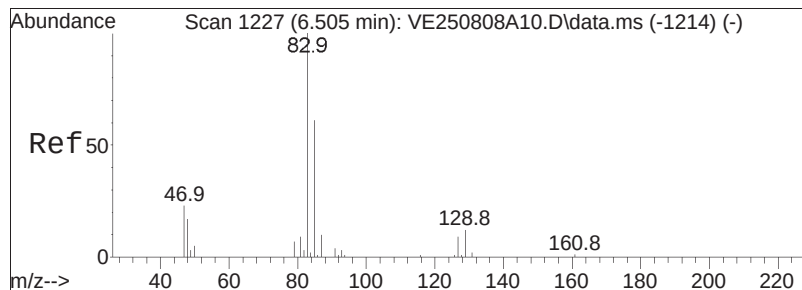




#55
 1,2-Dichloropropane
 Concen: 11.44 ug/L
 RT: 6.423 min Scan# 1188
 Delta R.T. -0.004 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

Tgt Ion	Ratio	Lower	Upper
63	100		
62	73.1	57.4	86.2
76	34.6	31.0	46.4





#58

Bromodichloromethane

Concen: 10.01 ug/L

RT: 6.502 min Scan# 1206

Delta R.T. -0.002 min

Lab File: VE250910N03.D

Acq: 10 Sep 2025 9:17 pm

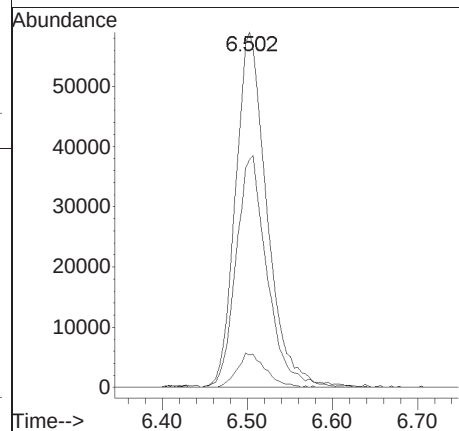
Tgt Ion: 83 Resp: 151919

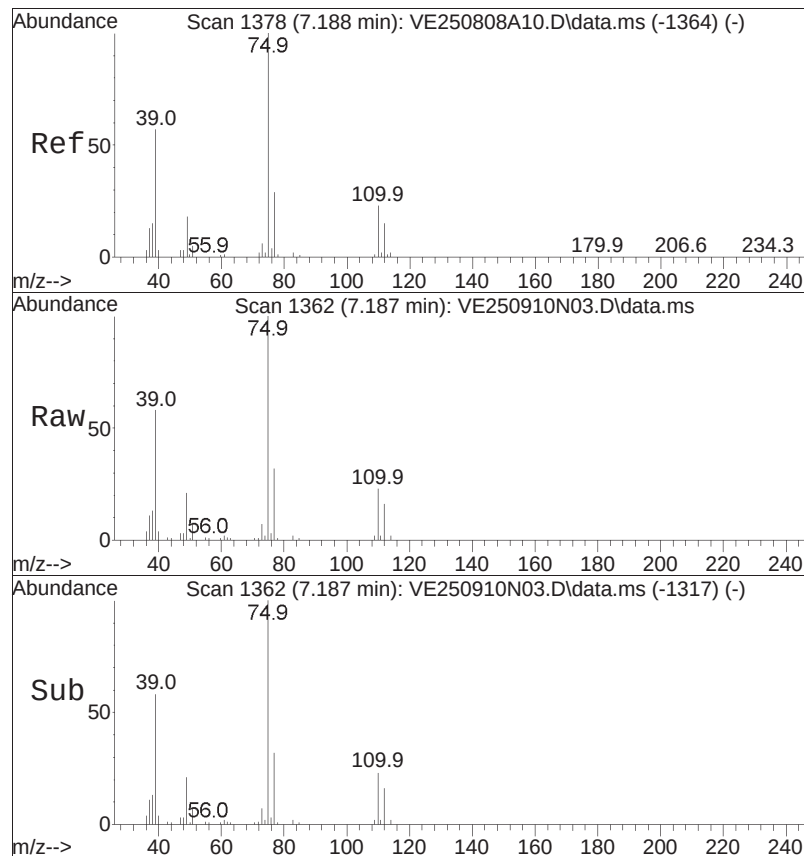
Ion Ratio Lower Upper

83 100

85 64.5 51.5 77.3

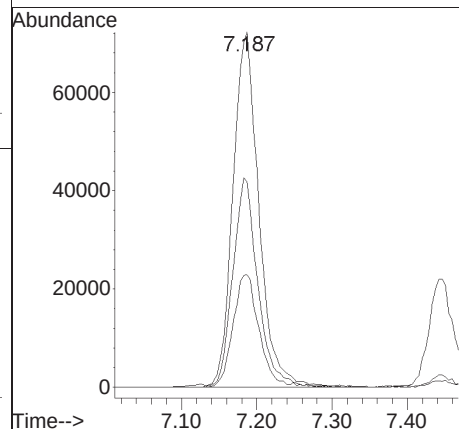
127 8.8 7.0 10.6

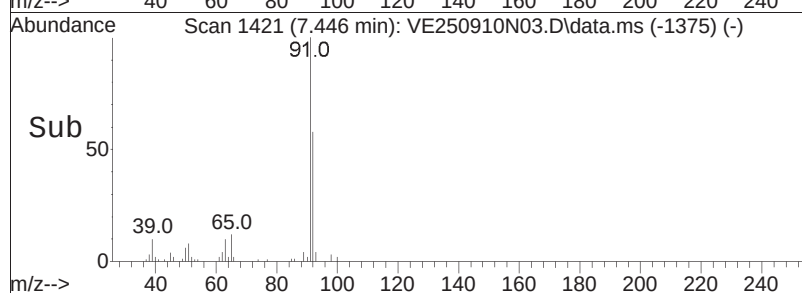
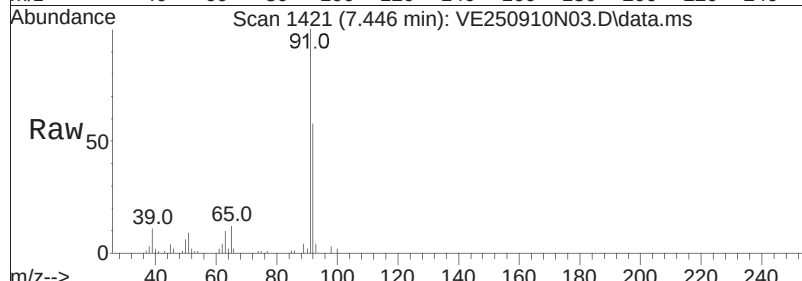
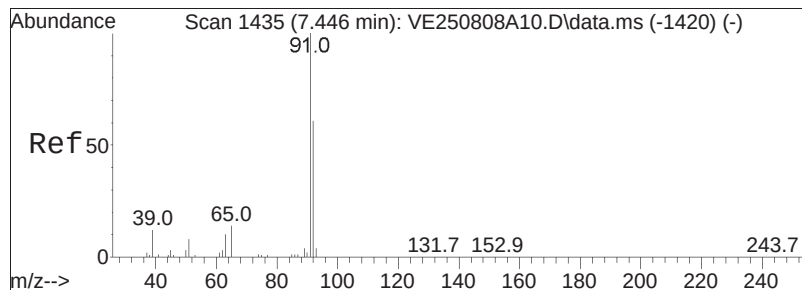




#62
 cis-1,3-Dichloropropene
 Concen: 9.86 ug/L
 RT: 7.187 min Scan# 1362
 Delta R.T. -0.001 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

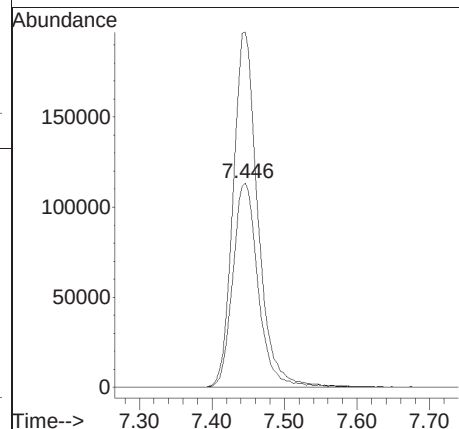
Tgt Ion:	75	Resp:	173477
Ion Ratio	Lower	Upper	
75	100		
77	32.2	24.9	37.3
39	56.9	48.2	72.4

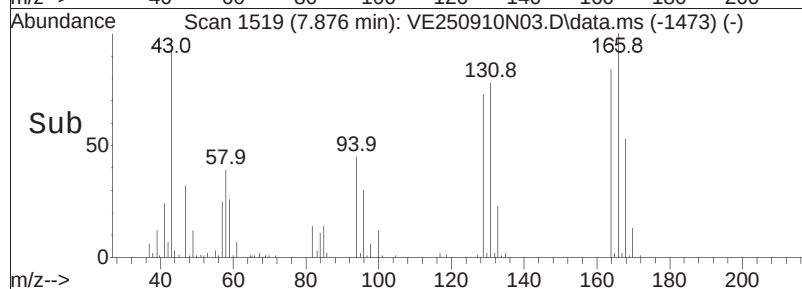
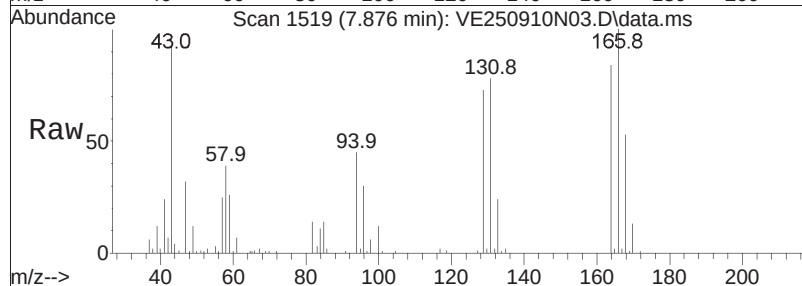
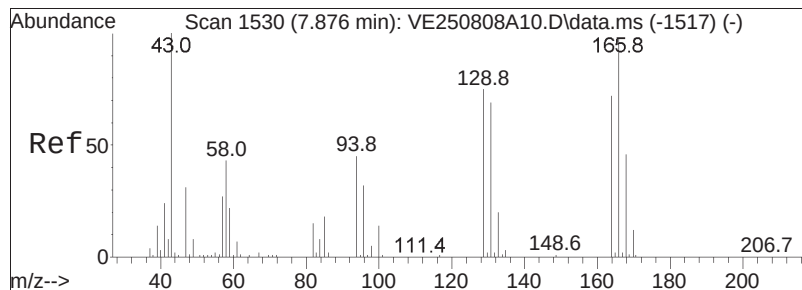




#65
Toluene
Concen: 11.48 ug/L
RT: 7.446 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VE250910N03.D
Acq: 10 Sep 2025 9:17 pm

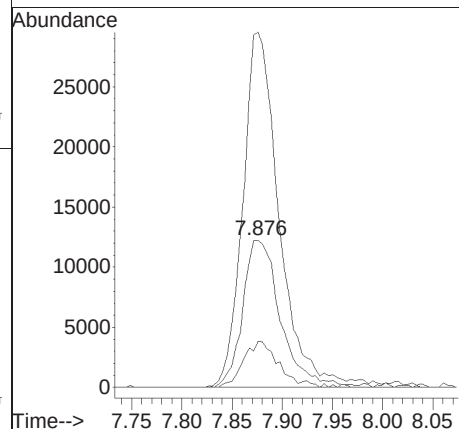
Tgt	Ion	Resp	Lower	Upper
92	100	277195		
91	168.7	134.2	201.2	

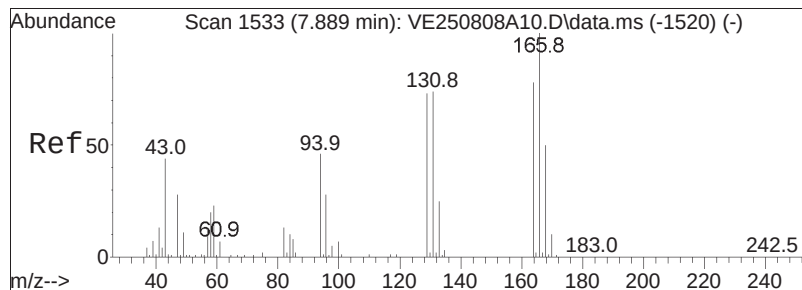




#66
 4-Methyl-2-pentanone
 Concen: 10.91 ug/L
 RT: 7.876 min Scan# 1519
 Delta R.T. 0.000 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

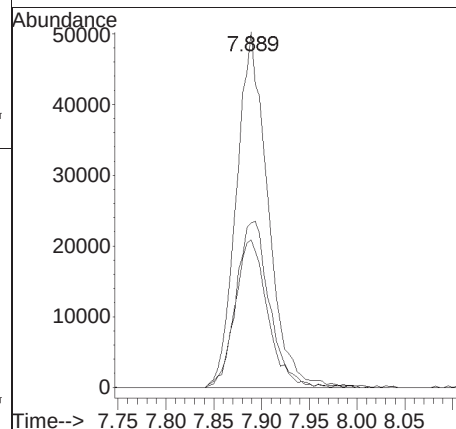
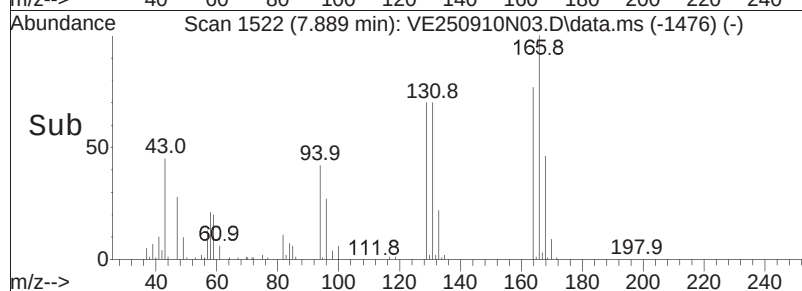
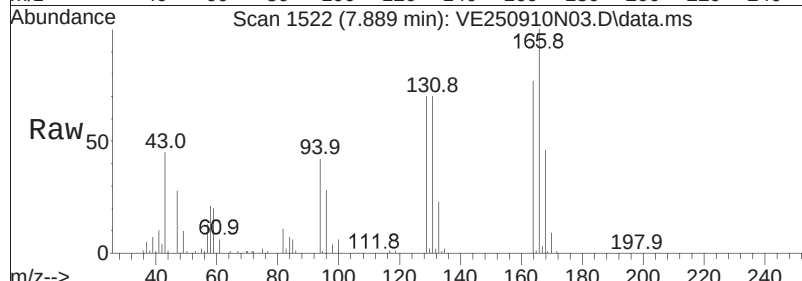
Tgt Ion	Ratio	Lower	Upper
58	100		
100	29.1	27.0	40.4
43	233.7	191.7	287.5

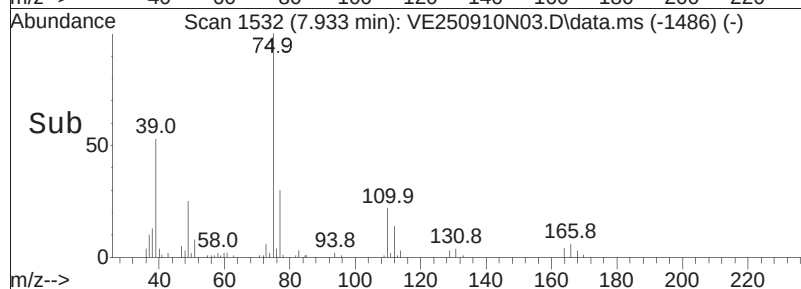
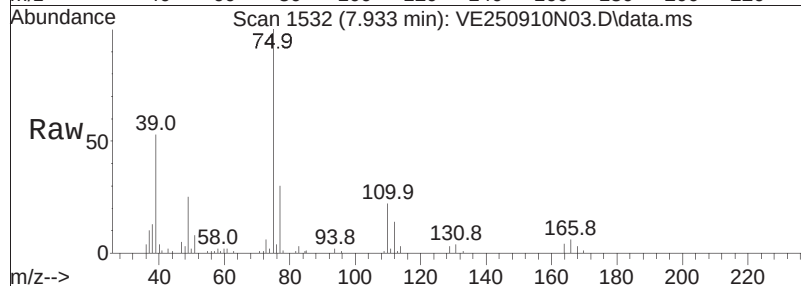
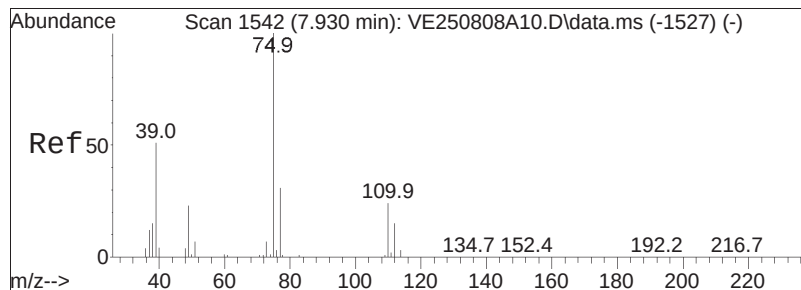




#67
Tetrachloroethene
Concen: 11.72 ug/L
RT: 7.889 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VE250910N03.D
Acq: 10 Sep 2025 9:17 pm

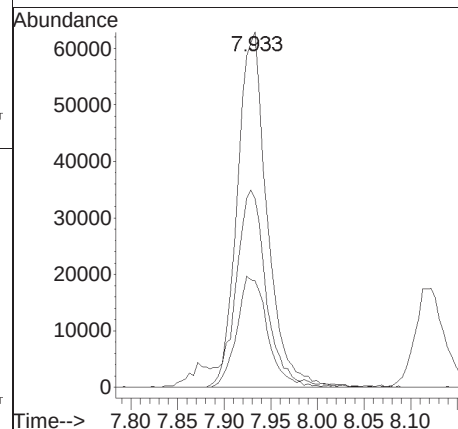
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	115521		
168	49.5		28.8	68.8
94	42.8		26.3	66.3

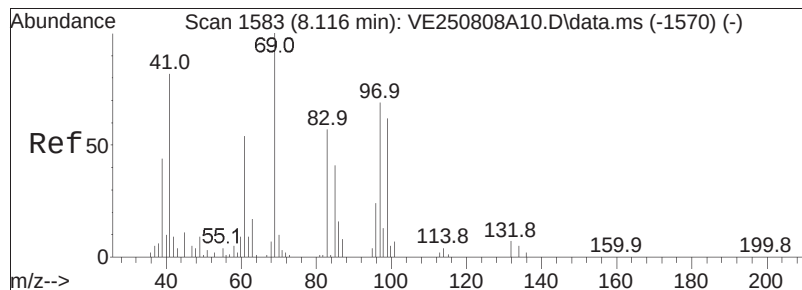




#69
 trans-1,3-Dichloropropene
 Concen: 10.10 ug/L
 RT: 7.933 min Scan# 1532
 Delta R.T. 0.003 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140287		
77	32.3		12.0	52.0
39	55.9		37.7	77.7





#72

1,1,2-Trichloroethane

Concen: 11.34 ug/L

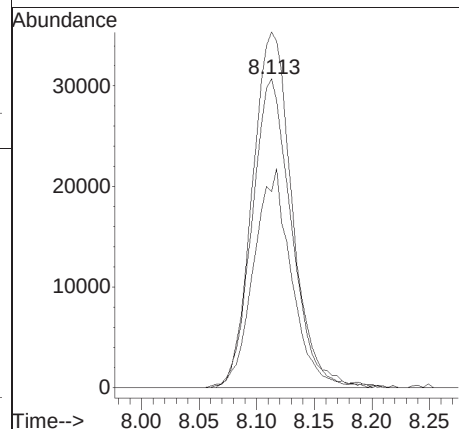
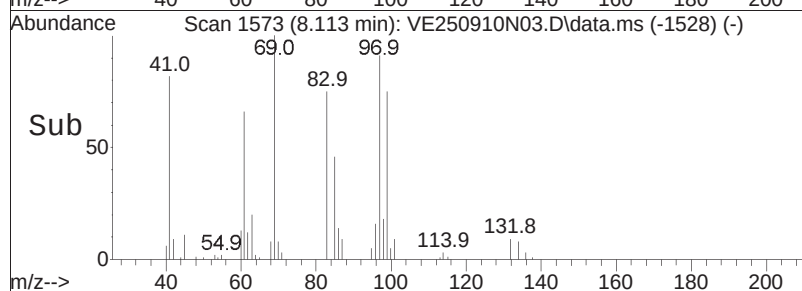
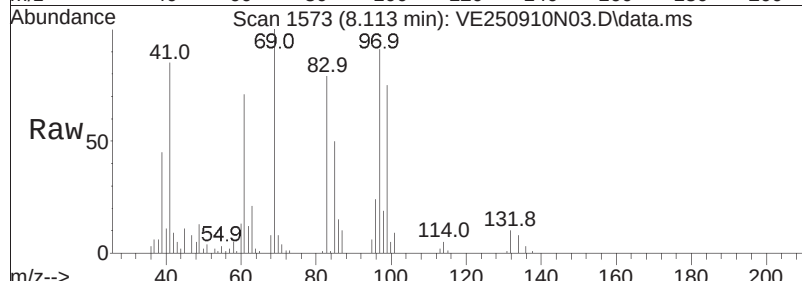
RT: 8.113 min Scan# 1573

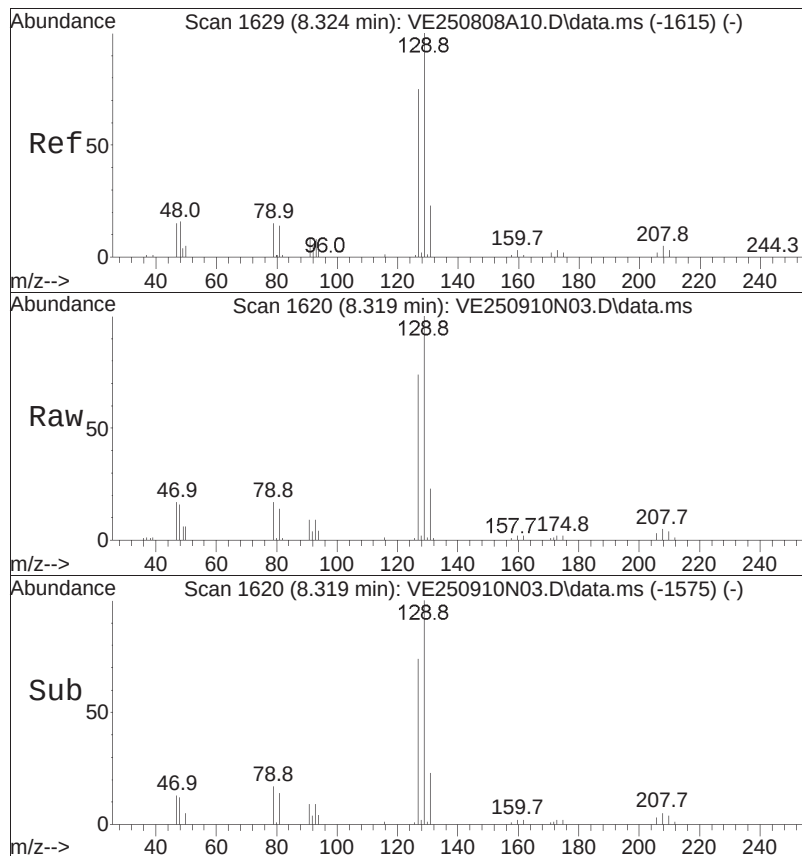
Delta R.T. -0.003 min

Lab File: VE250910N03.D

Acq: 10 Sep 2025 9:17 pm

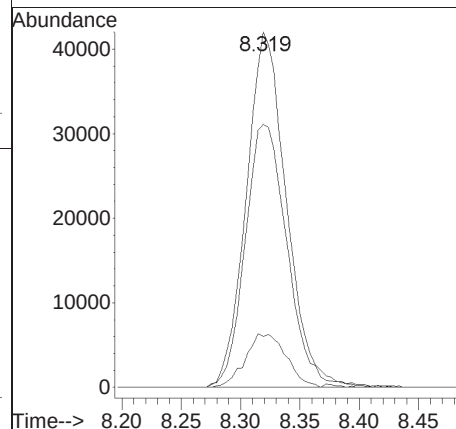
Tgt	Ion: 83	Resp:	72665
Ion	Ratio	Lower	Upper
83	100		
97	116.8	100.1	140.1
85	68.2	48.2	88.2

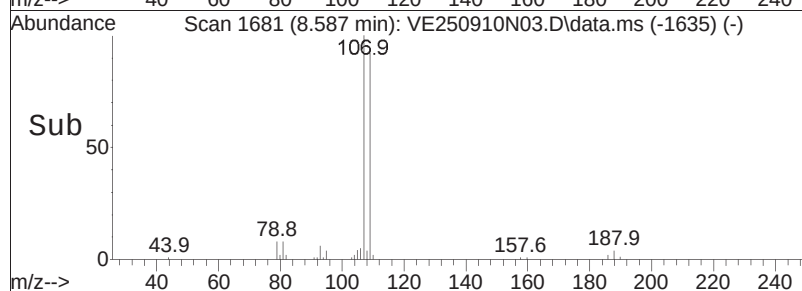
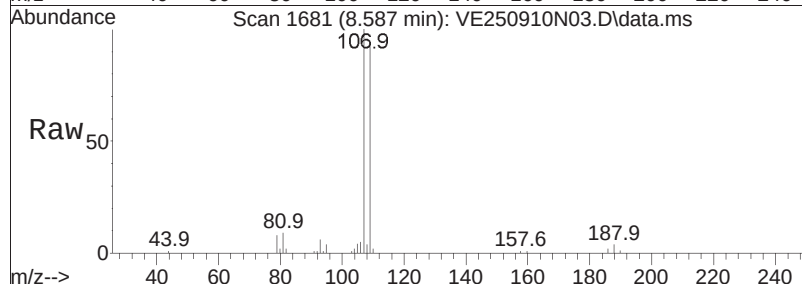
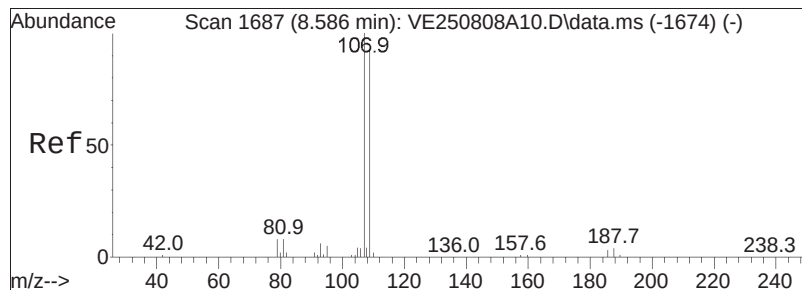




#73
 Chlorodibromomethane
 Concen: 10.24 ug/L
 RT: 8.319 min Scan# 1620
 Delta R.T. -0.005 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

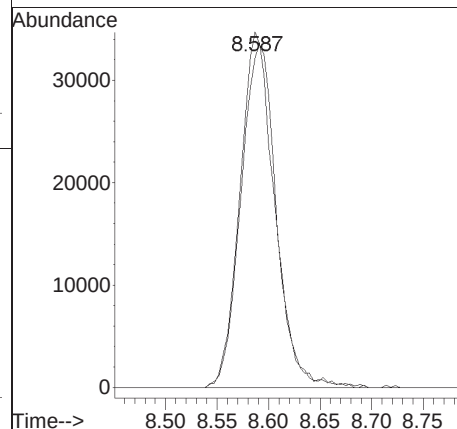
Tgt Ion	Ratio	Resp	Lower	Upper
129	100	98941		
81	15.3		0.0	36.1
127	77.2		56.2	96.2

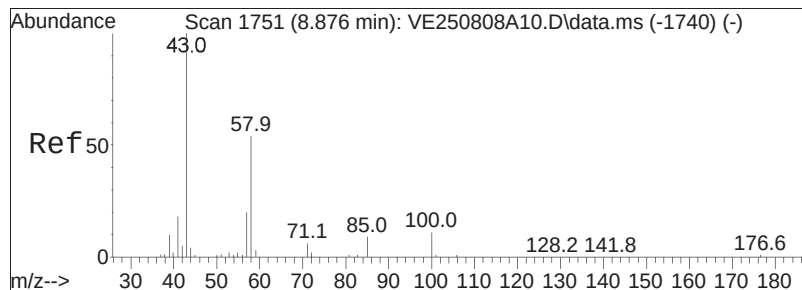




#75
 1,2-Dibromoethane
 Concen: 10.55 ug/L
 RT: 8.587 min Scan# 1681
 Delta R.T. 0.001 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.3	111.5





#77

2-Hexanone

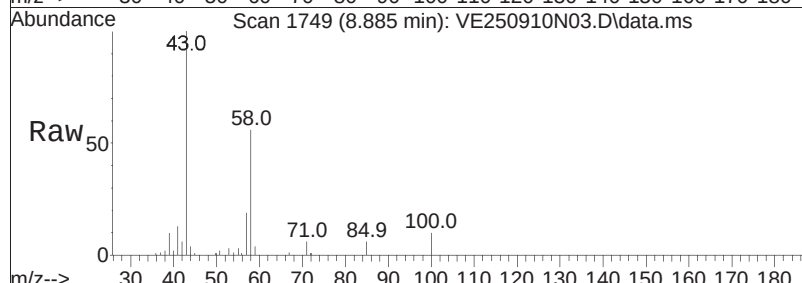
Concen: 10.28 ug/L

RT: 8.885 min Scan# 1749

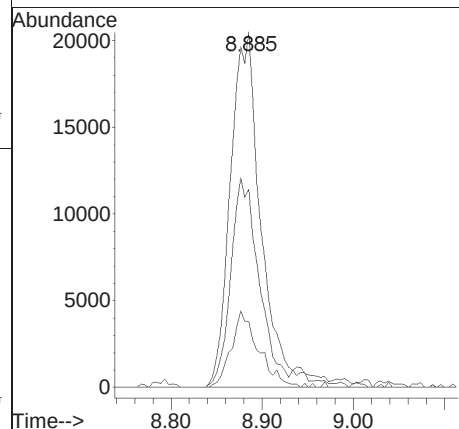
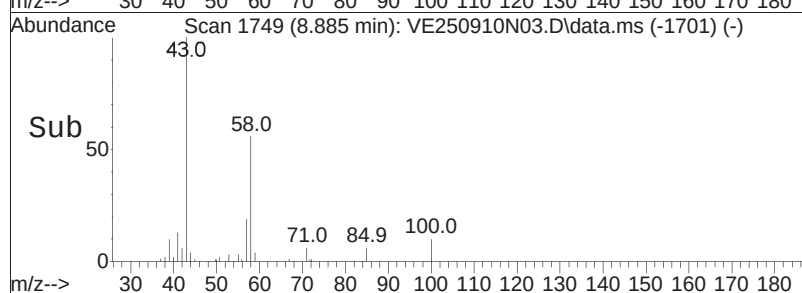
Delta R.T. 0.009 min

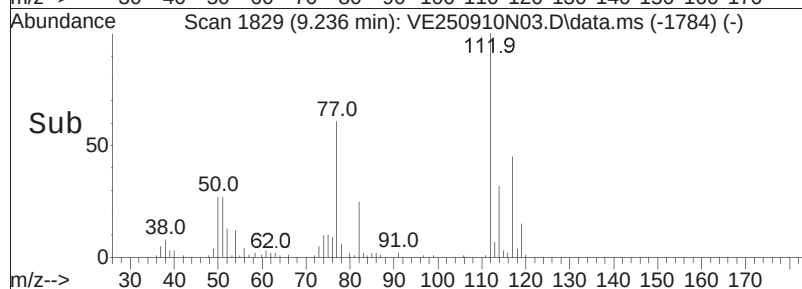
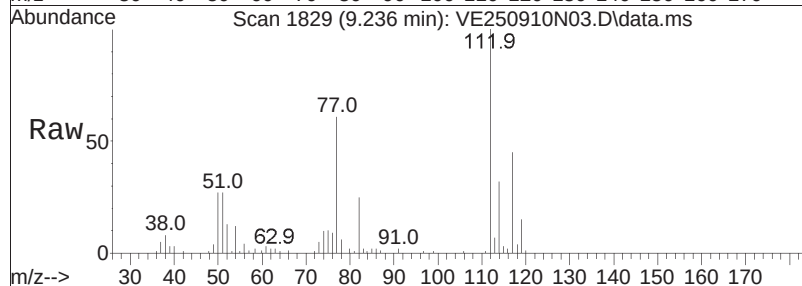
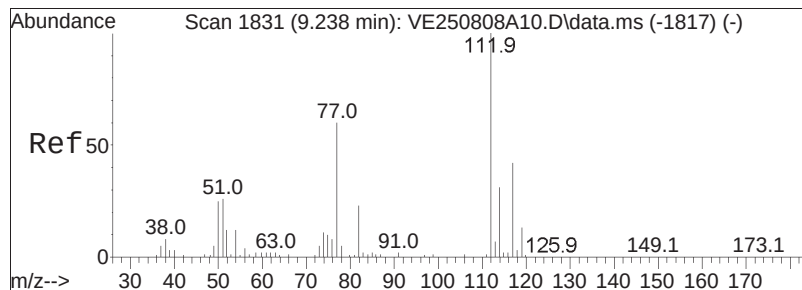
Lab File: VE250910N03.D

Acq: 10 Sep 2025 9:17 pm



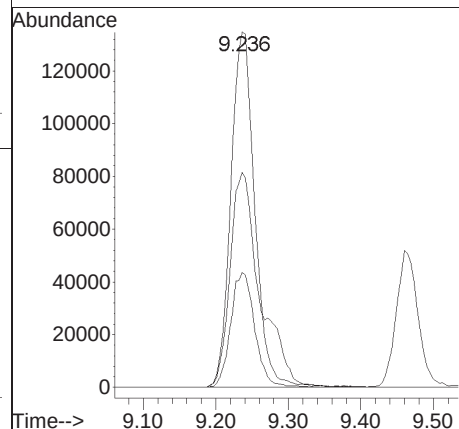
Tgt Ion:	43	Resp:	49197
Ion Ratio	Lower	Upper	
43	100		
58	56.6	45.5	68.3
57	18.8	17.4	26.0

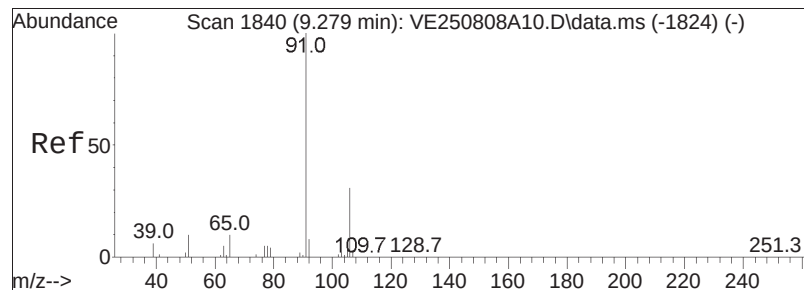




#78
 Chlorobenzene
 Concen: 11.33 ug/L
 RT: 9.236 min Scan# 1829
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

Tgt	Ion:112	Resp:	308723
Ion	Ratio	Lower	Upper
112	100		
77	76.7	61.7	92.5
114	32.6	25.7	38.5





#79

Ethylbenzene

Concen: 11.00 ug/L

RT: 9.280 min Scan# 1839

Delta R.T. 0.002 min

Lab File: VE250910N03.D

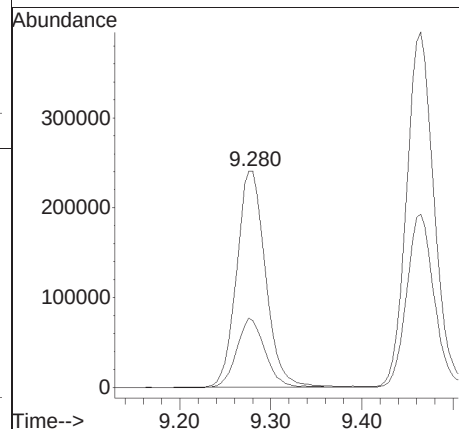
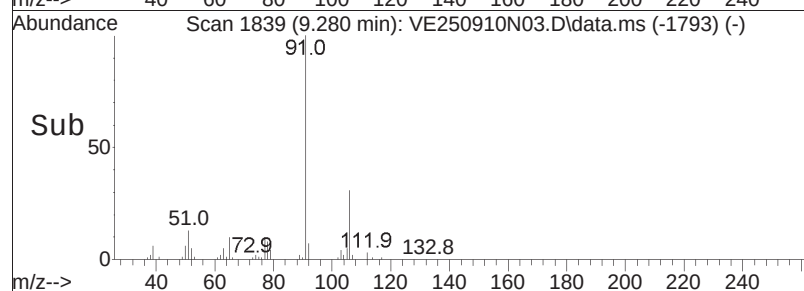
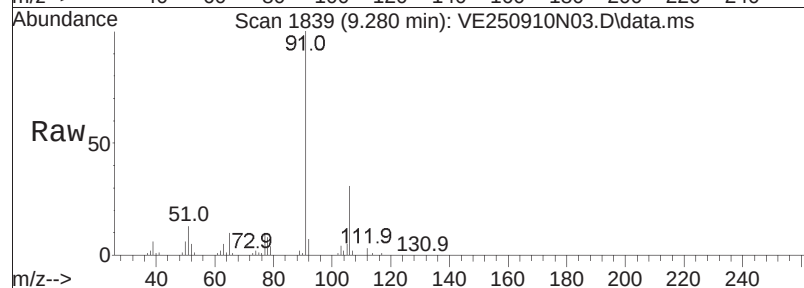
Acq: 10 Sep 2025 9:17 pm

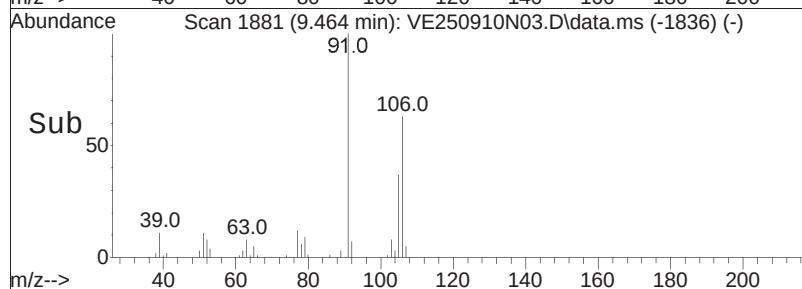
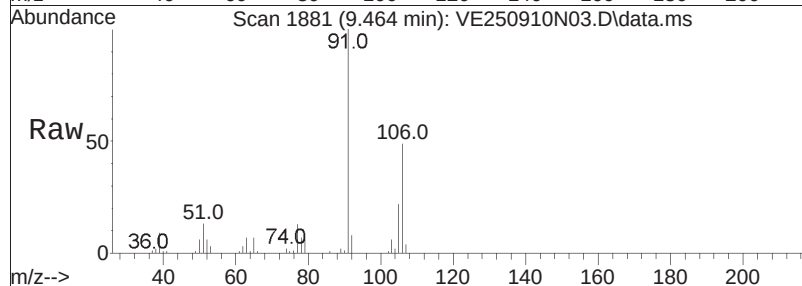
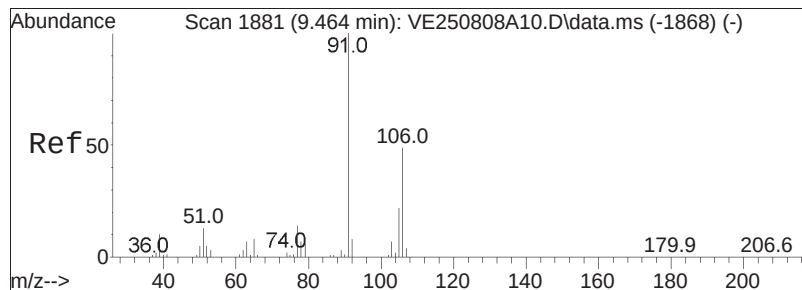
Tgt Ion: 91 Resp: 531282

Ion Ratio Lower Upper

91 100

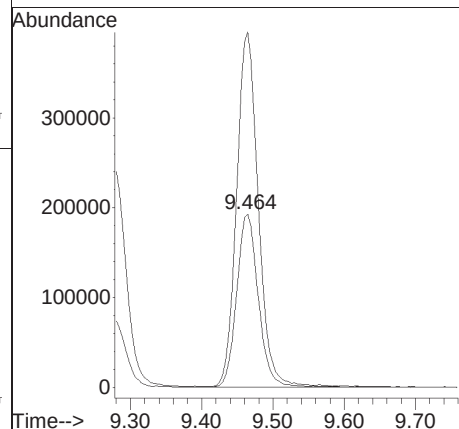
106 31.5 24.8 37.2

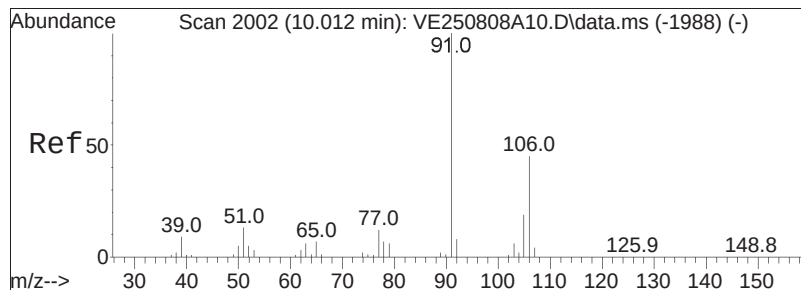




#81
 p/m Xylene
 Concen: 22.35 ug/L
 RT: 9.464 min Scan# 1881
 Delta R.T. 0.000 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

Tgt	Ion	Ratio	Lower	Upper
106	106	100		
91	204.1	163.8	245.6	





#82

o Xylene

Concen: 22.45 ug/L

RT: 10.009 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VE250910N03.D

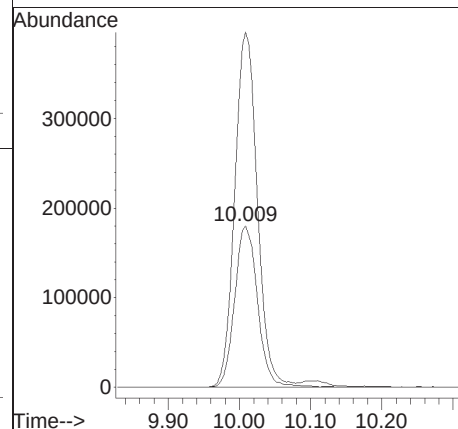
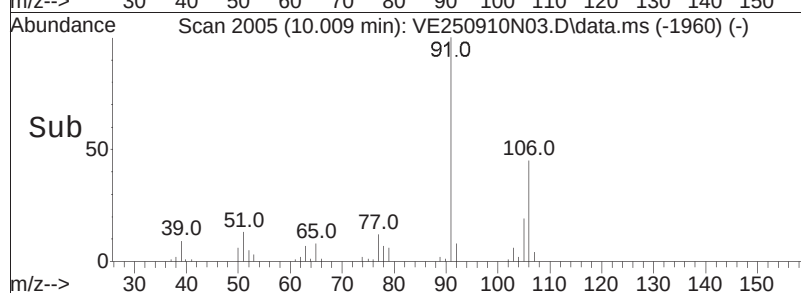
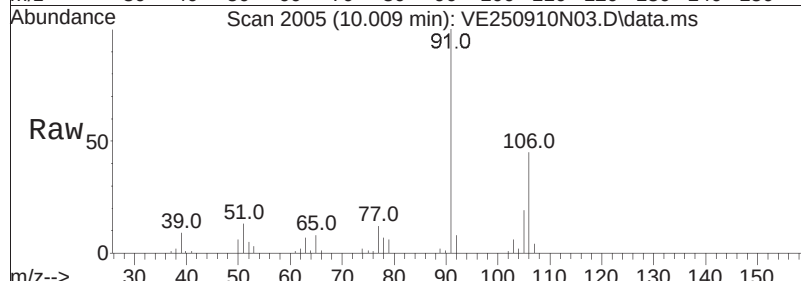
Acq: 10 Sep 2025 9:17 pm

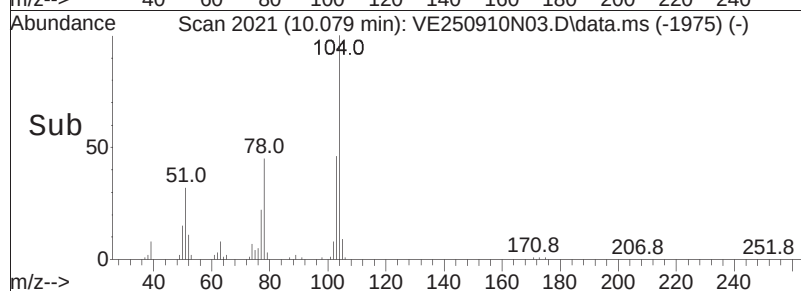
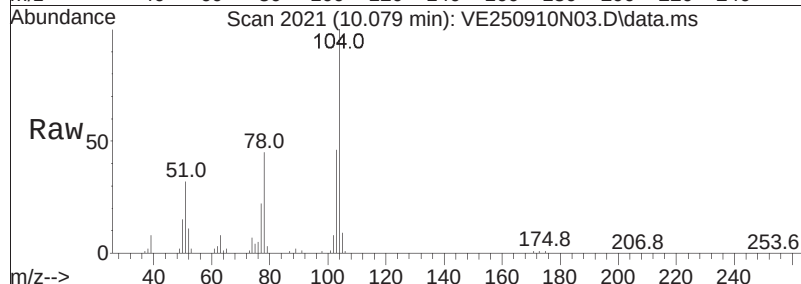
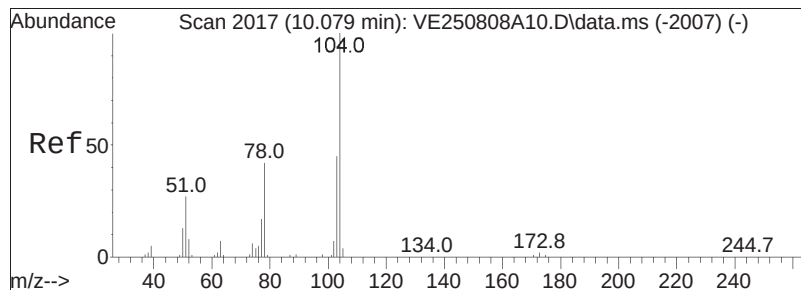
Tgt Ion:106 Resp: 406451

Ion Ratio Lower Upper

106 100

91 220.1 175.9 263.9





#83

Styrene

Concen: 22.22 ug/L

RT: 10.079 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VE250910N03.D

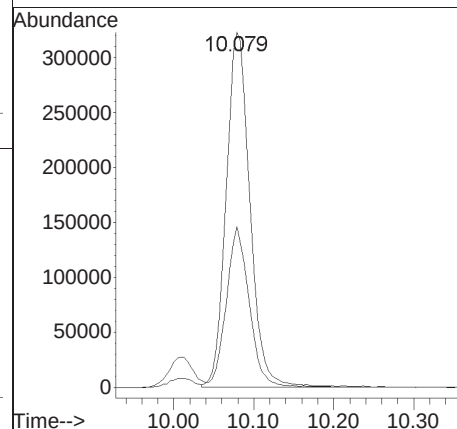
Acq: 10 Sep 2025 9:17 pm

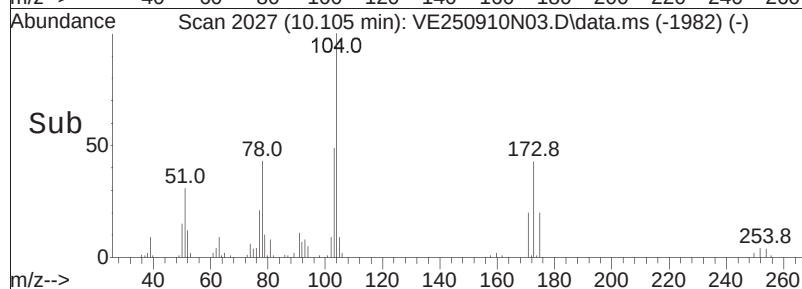
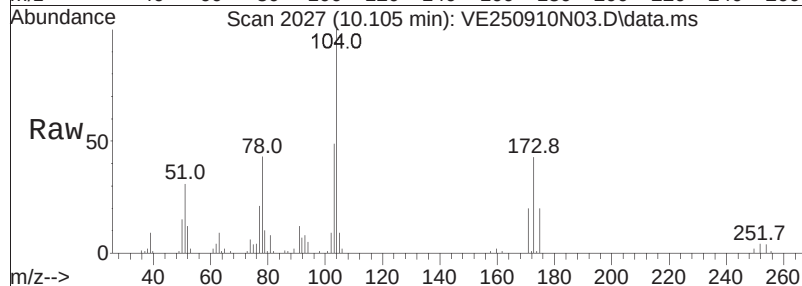
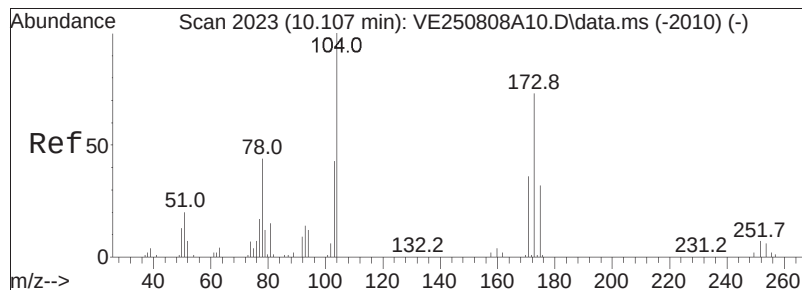
Tgt Ion:104 Resp: 668176

Ion Ratio Lower Upper

104 100

78 43.7 35.3 52.9





#85

Bromoform

Concen: 9.52 ug/L

RT: 10.105 min Scan# 2027

Delta R.T. -0.002 min

Lab File: VE250910N03.D

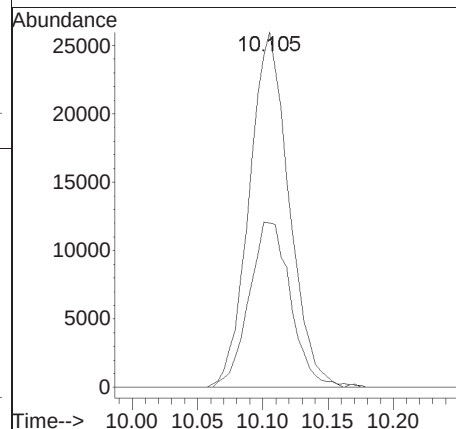
Acq: 10 Sep 2025 9:17 pm

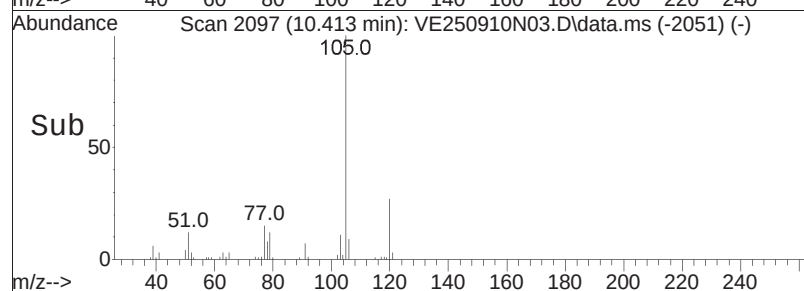
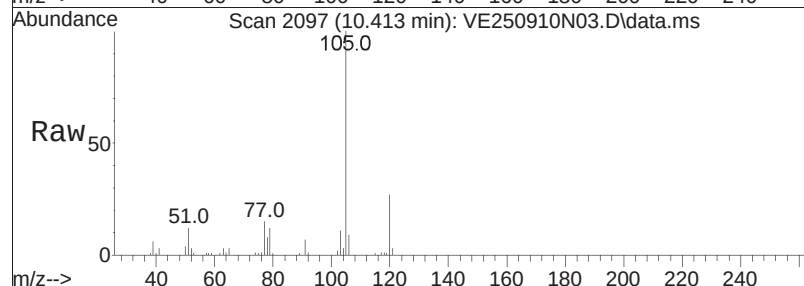
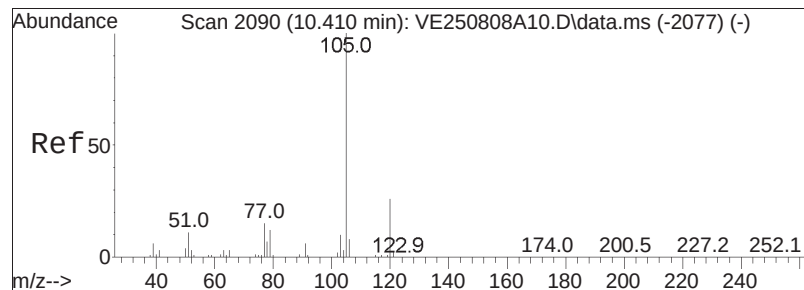
Tgt Ion:173 Resp: 55046

Ion Ratio Lower Upper

173 100

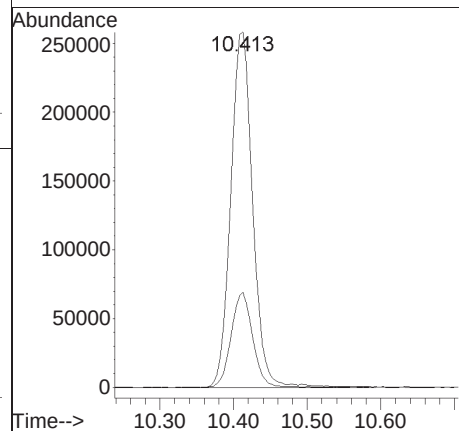
175 48.4 28.3 68.3

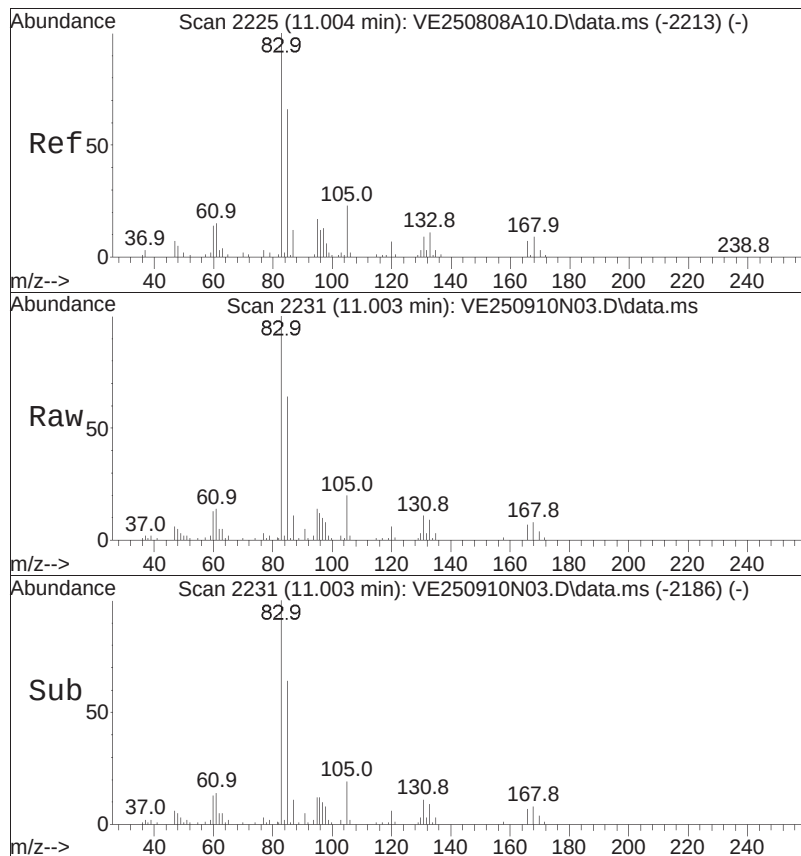




#87
Isopropylbenzene
Concen: 9.75 ug/L
RT: 10.413 min Scan# 2097
Delta R.T. 0.003 min
Lab File: VE250910N03.D
Acq: 10 Sep 2025 9:17 pm

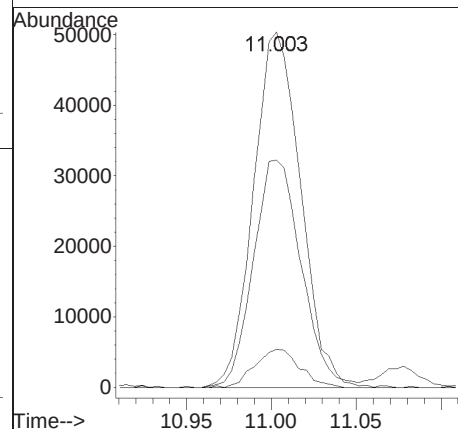
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	6.6	46.6

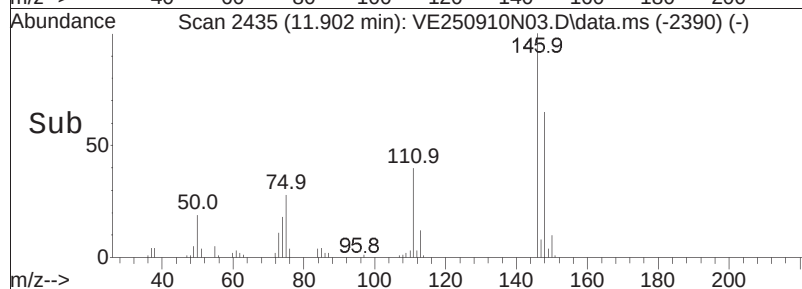
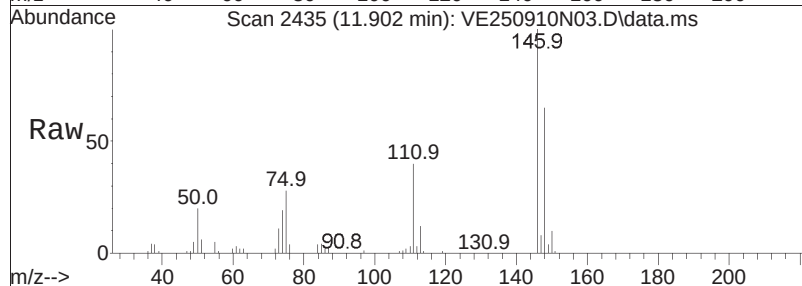
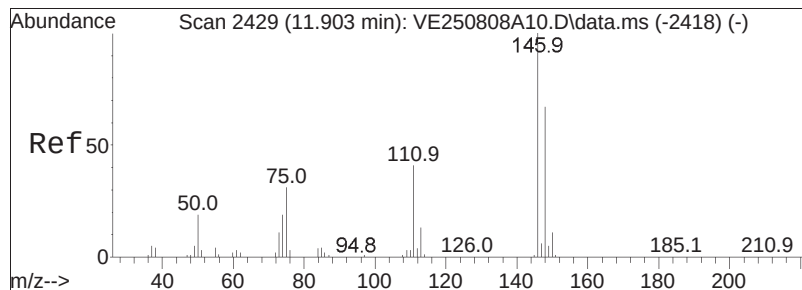




#92
 1,1,2,2-Tetrachloroethane
 Concen: 10.18 ug/L
 RT: 11.003 min Scan# 2231
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

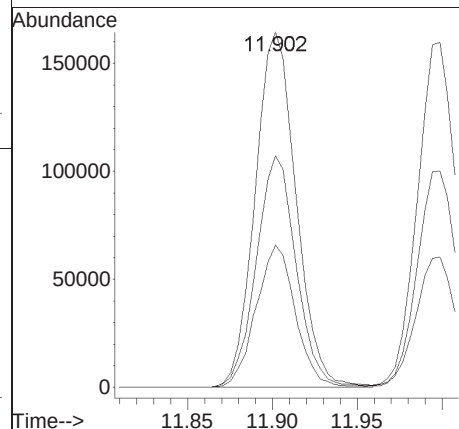
Tgt Ion:	83	Resp:	97309
Ion Ratio	Lower	Upper	
83	100		
131	10.3	0.0	30.7
85	65.6	44.9	84.9

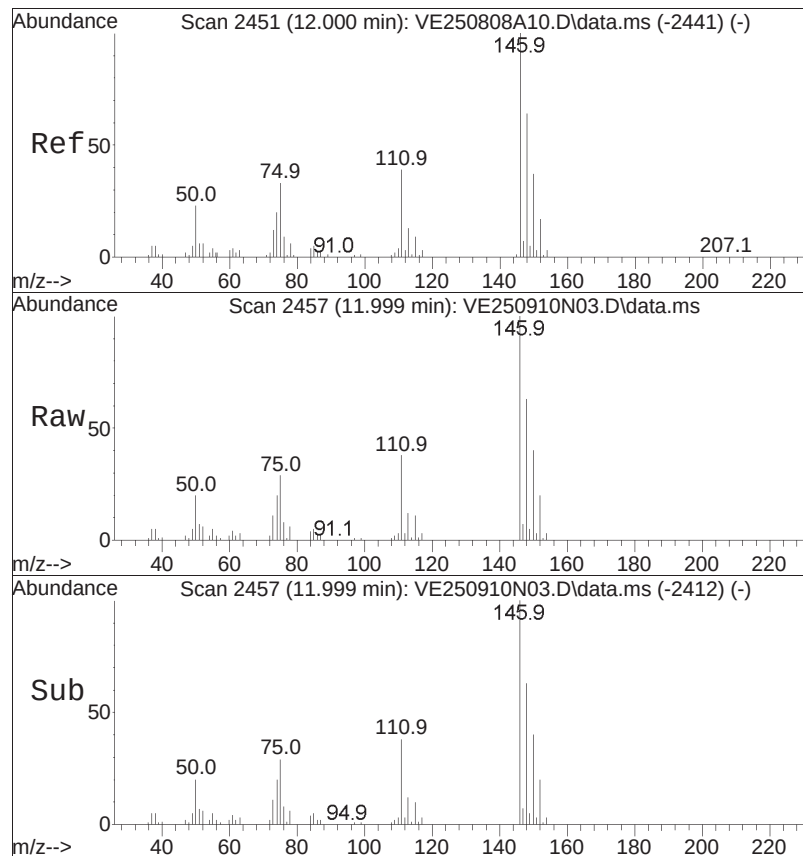




#105
 1,3-Dichlorobenzene
 Concen: 11.20 ug/L
 RT: 11.902 min Scan# 2435
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

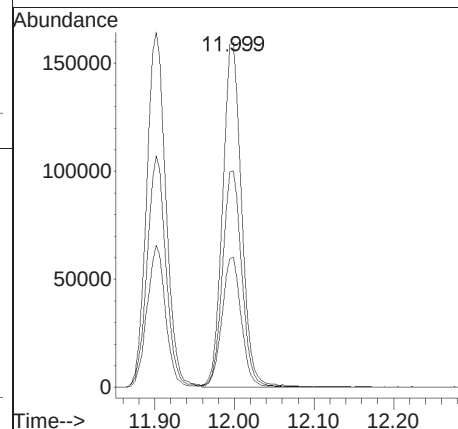
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	27.2	56.6
148	63.6	41.7	86.5

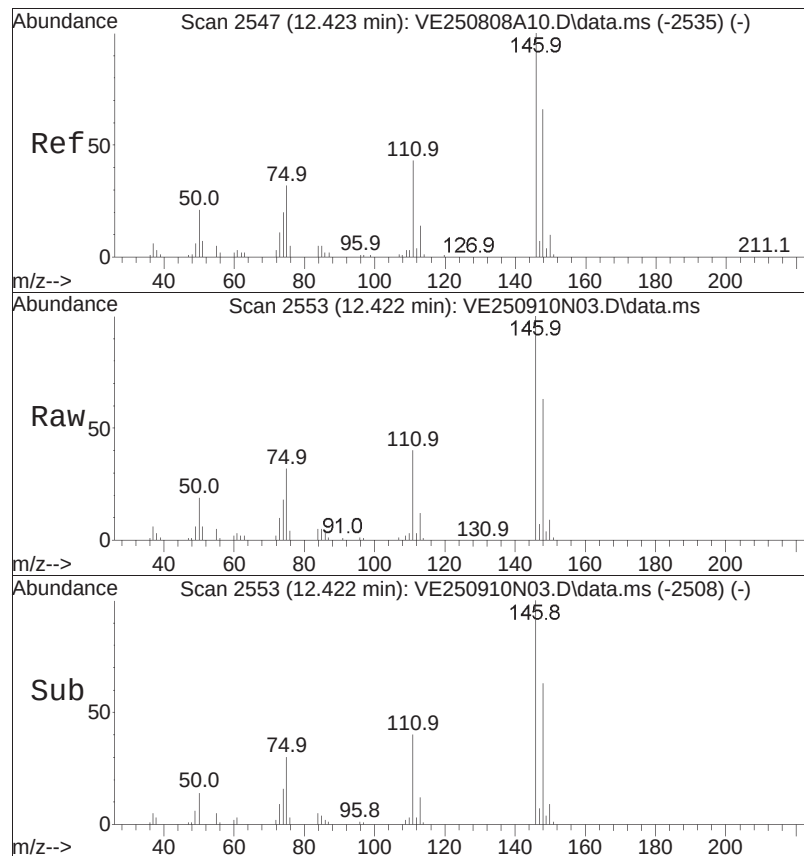




#106
 1,4-Dichlorobenzene
 Concen: 11.04 ug/L
 RT: 11.999 min Scan# 2457
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

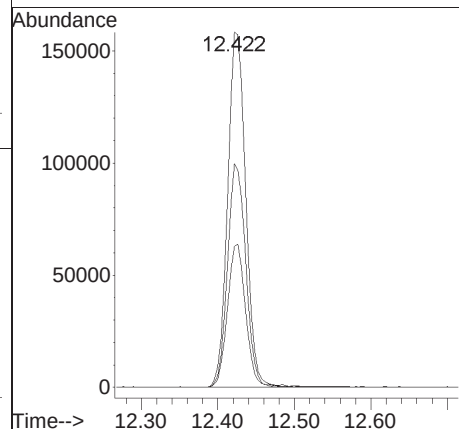
Tgt Ion:	146	Resp:	266371
Ion Ratio	Lower	Upper	
146	100		
111	38.7	32.8	49.2
148	63.7	51.2	76.8

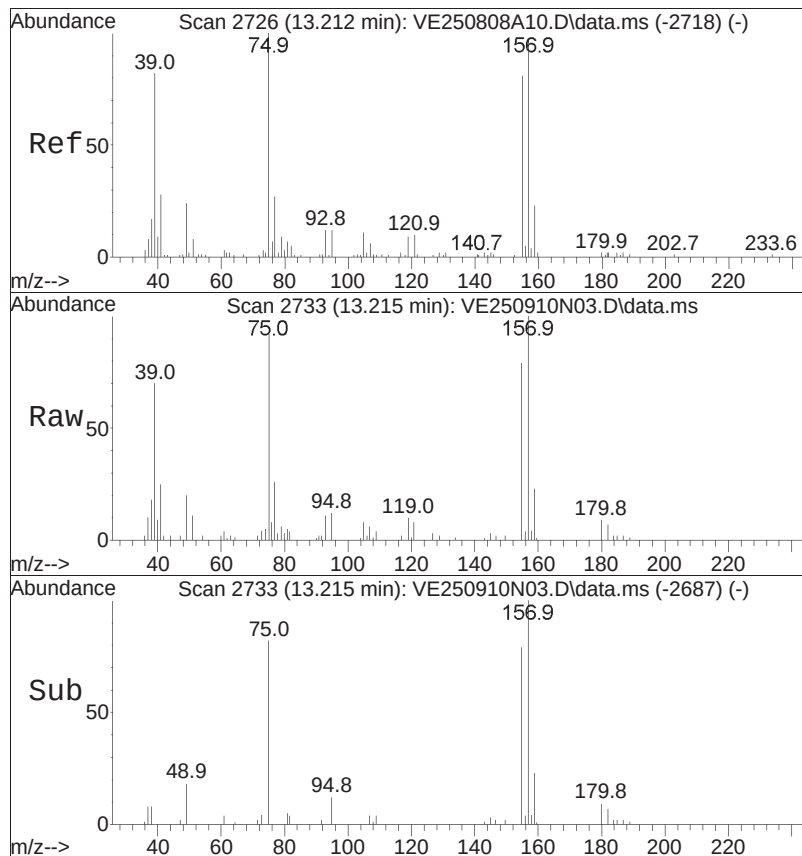




#109
 1,2-Dichlorobenzene
 Concen: 11.23 ug/L
 RT: 12.422 min Scan# 2553
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

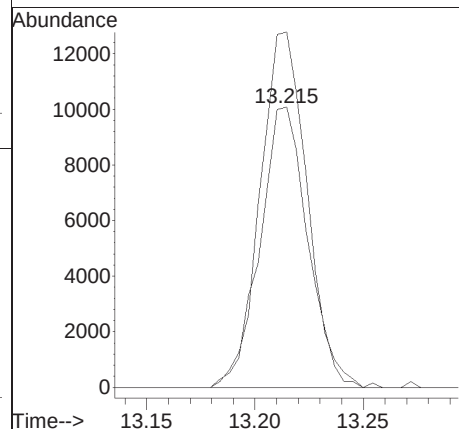
Tgt Ion:	146	Resp:	263001
Ion Ratio	Lower	Upper	
146	100		
111	40.2	27.8	57.8
148	63.5	42.3	87.9

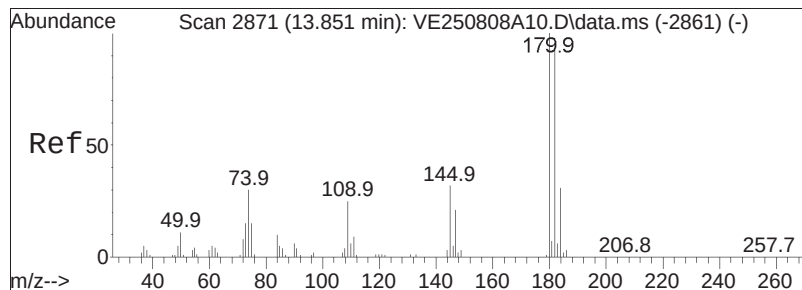




#111
 1,2-Dibromo-3-chloropropane
 Concen: 9.29 ug/L
 RT: 13.215 min Scan# 2733
 Delta R.T. 0.003 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

Tgt Ion	Ratio	Lower	Upper
155	100		
157	125.1	102.8	154.2





#114

1,2,4-Trichlorobenzene

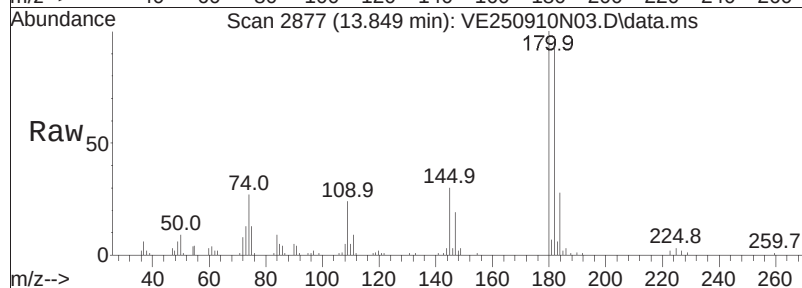
Concen: 10.84 ug/L

RT: 13.849 min Scan# 2877

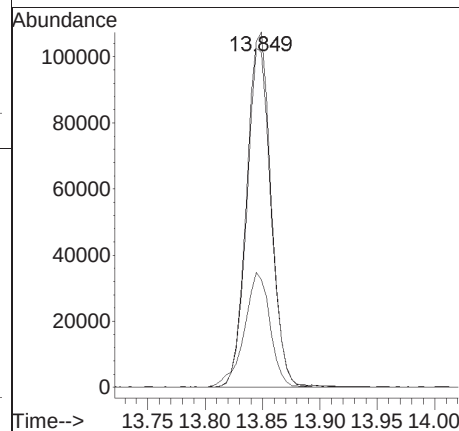
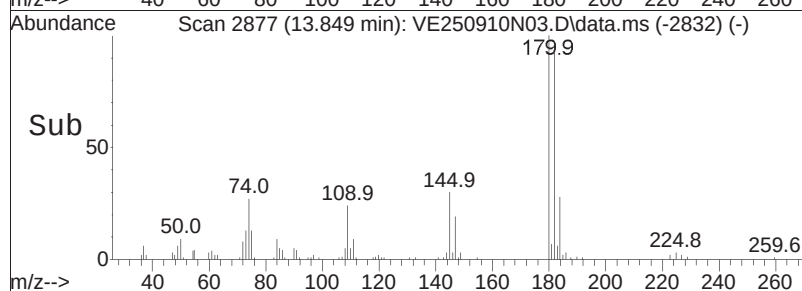
Delta R.T. -0.002 min

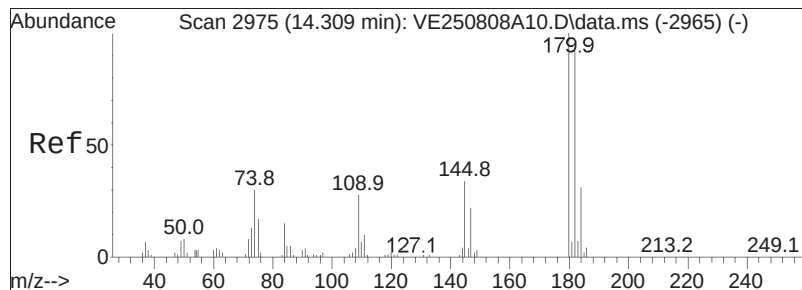
Lab File: VE250910N03.D

Acq: 10 Sep 2025 9:17 pm



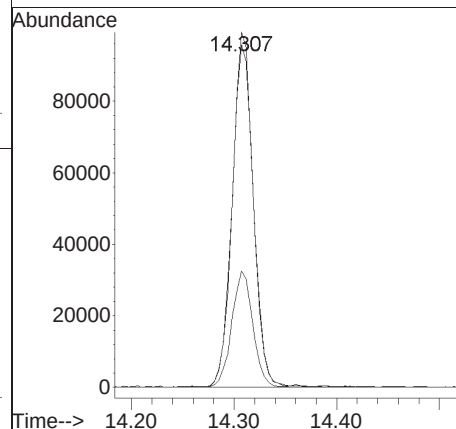
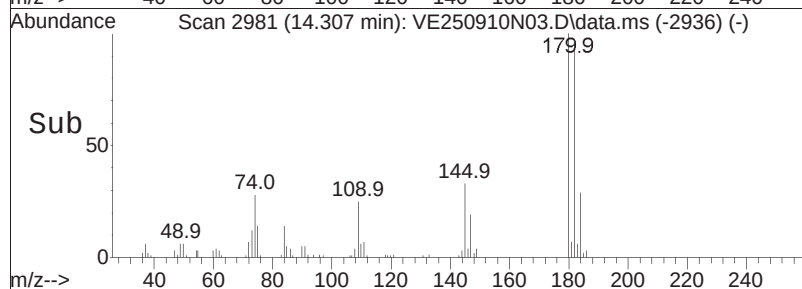
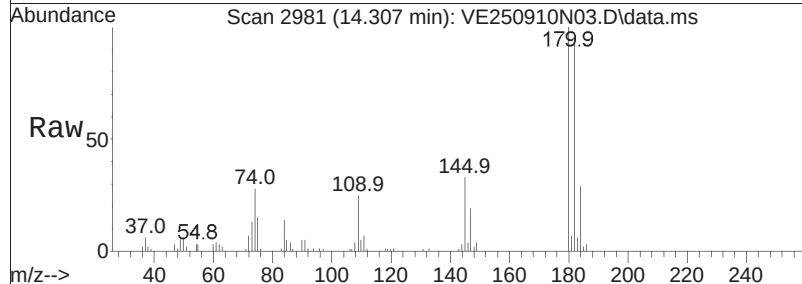
Tgt	Ion	Ratio	Resp	Lower	Upper
180	100		160271		
182	94.5	77.0	115.4		
145	34.1	28.9	43.3		





#116
 1,2,3-Trichlorobenzene
 Concen: 10.75 ug/L
 RT: 14.307 min Scan# 2981
 Delta R.T. -0.002 min
 Lab File: VE250910N03.D
 Acq: 10 Sep 2025 9:17 pm

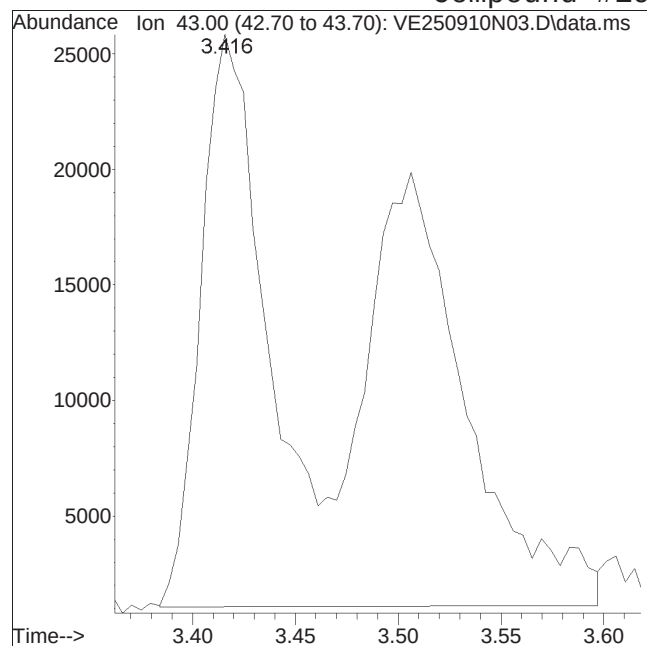
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.2	115.8
145	32.8	27.1	40.7



Manual Integration Report

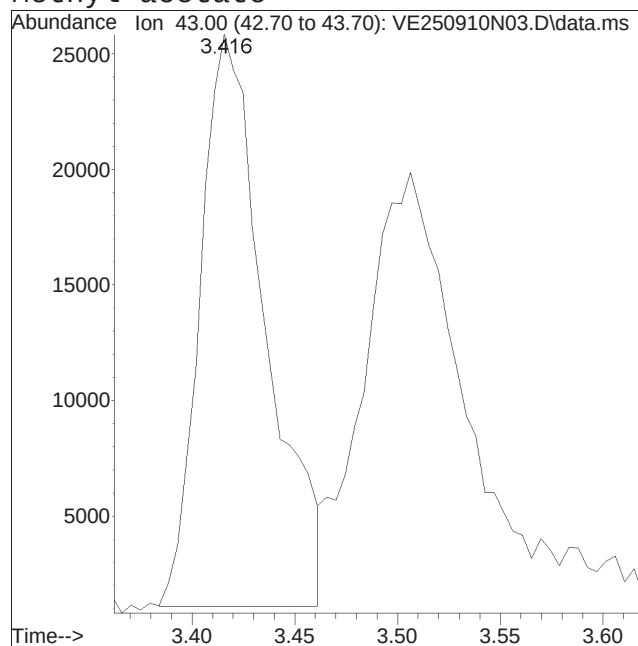
Data Path : K:\Elaine\2025\250910A\ QMethod : Elaine_250808A_8260.m
Data File : VE250910N03.D Operator : ELAINE:TMS
Date Inj'd : 9/10/2025 9:17 pm Instrument : Elaine
Sample : WG2113365-3,31,10,10 Quant Date : 9/10/2025 9:52 pm

Compound #19: Methyl acetate



Original Peak Response = 119505

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 54930 M6

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A01.D
 Acq On : 11 Sep 2025 7:18 am
 Operator : VOA105:PID
 Sample : WG2113542-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:40:48 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.506	96	298590	10.000	ug/L	0.00
59) Chlorobenzene-d5	8.985	117	215521	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.797	152	125132	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	84452	9.936	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	99.36%	
43) 1,2-Dichloroethane-d4	5.238	65	118935	9.777	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	97.77%	
60) Toluene-d8	7.164	98	299155	10.462	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	104.62%	
83) 4-Bromofluorobenzene	10.531	95	117147	10.301	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	103.01%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.430	85	95790	9.757	ug/L	99
3) Chloromethane	1.595	50	103239	13.024	ug/L	97
4) Vinyl chloride	1.650	62	121222	13.315	ug/L	99
5) Bromomethane	1.918	94	25860	6.522	ug/L	98
6) Chloroethane	2.021	64	65734	12.445	ug/L	98
7) Trichlorofluoromethane	2.144	101	158358	10.871	ug/L	95
10) 1,1-Dichloroethene	2.590	96	75841	12.117	ug/L	98
11) Carbon disulfide	2.611	76	271765	12.774	ug/L	98
12) Freon-113	2.618	101	84125	12.502	ug/L	88
15) Methylene chloride	3.112	84	82116	11.146	ug/L	98
17) Acetone	3.181	43	15241	10.963	ug/L	100
18) trans-1,2-Dichloroethene	3.249	96	77914	10.877	ug/L	92
19) Methyl acetate	3.277	43	36582	10.714	ug/L	96
20) Methyl tert-butyl ether	3.345	73	173518	9.566	ug/L	96
23) 1,1-Dichloroethane	3.805	63	179666	10.779	ug/L	99
28) cis-1,2-Dichloroethene	4.306	96	85176	10.765	ug/L	93
30) Bromochloromethane	4.492	128	36898	11.334	ug/L	96
31) Cyclohexane	4.471	56	182652	11.347	ug/L	99
32) Chloroform	4.560	83	158782	10.378	ug/L	99
34) Carbon tetrachloride	4.670	117	120829	9.274	ug/L	97
37) 1,1,1-Trichloroethane	4.739	97	141403	9.888	ug/L	99
39) 2-Butanone	4.855	43	21185	10.144	ug/L	95
41) Benzene	5.097	78	346993	11.466	ug/L	97
44) 1,2-Dichloroethane	5.309	62	120663	9.966	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A01.D
 Acq On : 11 Sep 2025 7:18 am
 Operator : VOA105:PID
 Sample : WG2113542-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:40:48 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47)	Methyl cyclohexane	5.654	83	131242	10.215	ug/L	92
48)	Trichloroethene	5.682	95	86027	10.533	ug/L	99
51)	1,2-Dichloropropane	6.212	63	89935	10.551	ug/L	95
54)	Bromodichloromethane	6.296	83	113702	9.894	ug/L	98
58)	cis-1,3-Dichloropropene	6.974	75	119171	10.626	ug/L	98
61)	Toluene	7.221	92	193219	10.813	ug/L	99
62)	4-Methyl-2-pentanone	7.665	58	16319	9.214	ug/L	99
63)	Tetrachloroethene	7.658	166	82421	10.591	ug/L	98
65)	trans-1,3-Dichloropropene	7.715	75	99183	9.583	ug/L	96
68)	1,1,2-Trichloroethane	7.898	83	48899	11.484	ug/L	97
69)	Chlorodibromomethane	8.103	129	67375	10.089	ug/L	100
71)	1,2-Dibromoethane	8.364	107	51184	10.567	ug/L	99
72)	2-Hexanone	8.674	43	25180	9.211	ug/L	97
73)	Chlorobenzene	9.006	112	206706	11.005	ug/L	99
74)	Ethylbenzene	9.041	91	385114	10.911	ug/L	99
76)	p/m Xylene	9.232	106	278620	22.399	ug/L	97
77)	o Xylene	9.775	106	262511	22.316	ug/L	96
78)	Styrene	9.845	104	449226	23.159	ug/L	98
80)	Bromoform	9.874	173	41357	9.846	ug/L	97
82)	Isopropylbenzene	10.184	105	366971	10.693	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.807	83	63983	11.607	ug/L	98
100)	1,3-Dichlorobenzene	11.712	146	163132	11.080	ug/L	99
101)	1,4-Dichlorobenzene	11.811	146	164743	11.018	ug/L	98
104)	1,2-Dichlorobenzene	12.243	146	147197	11.115	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.042	155	8406	8.973	ug/L	98
109)	1,2,4-Trichlorobenzene	13.671	180	94405	10.330	ug/L	100
111)	1,2,3-Trichlorobenzene	14.138	180	80507	10.237	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

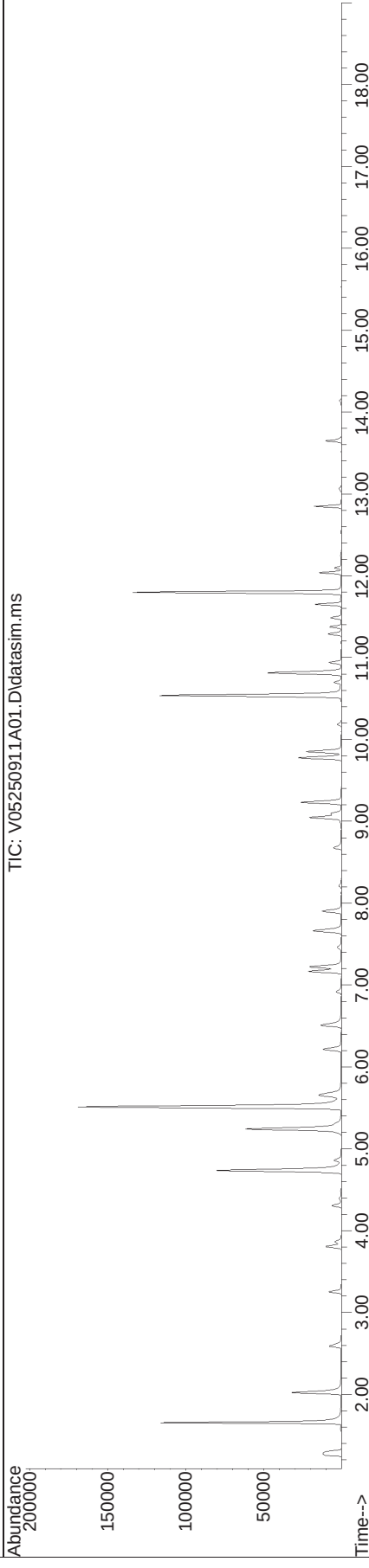
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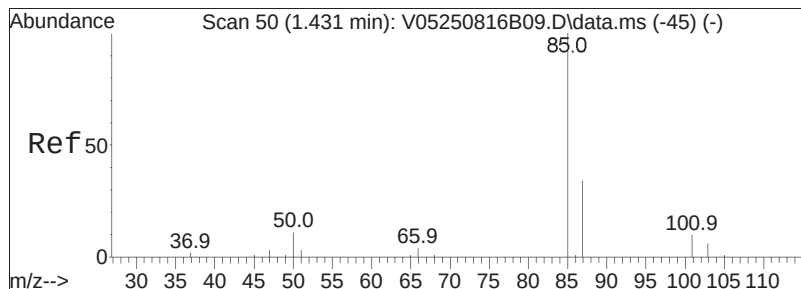
Data Path      : K:\VOA105\2025\250911A\
Data File     : V05250911A01.D
Acq On       : 11 Sep 2025   7:18 am
Operator      : VOA105:PID
Sample        : WG2113542-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc          : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
ALS Vial      : 1 Sample Multiplier: 1

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Quant Time: Sep 11 07:40:48 2025
Quant Method : K:\V0A105\2025\250911A\V105 250816B 8260.m

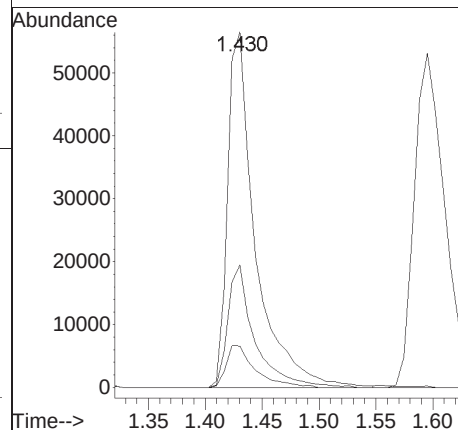
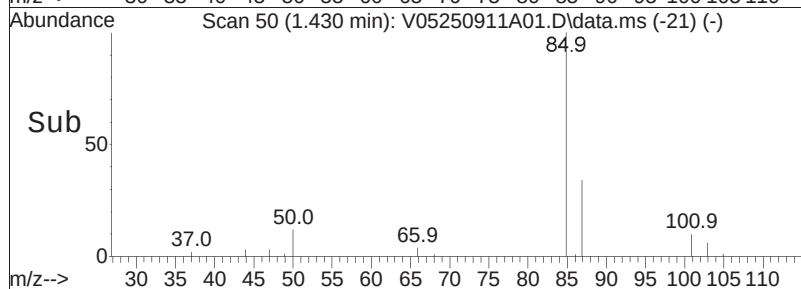
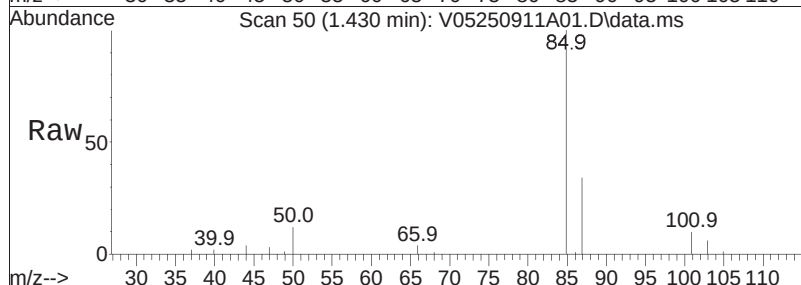
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

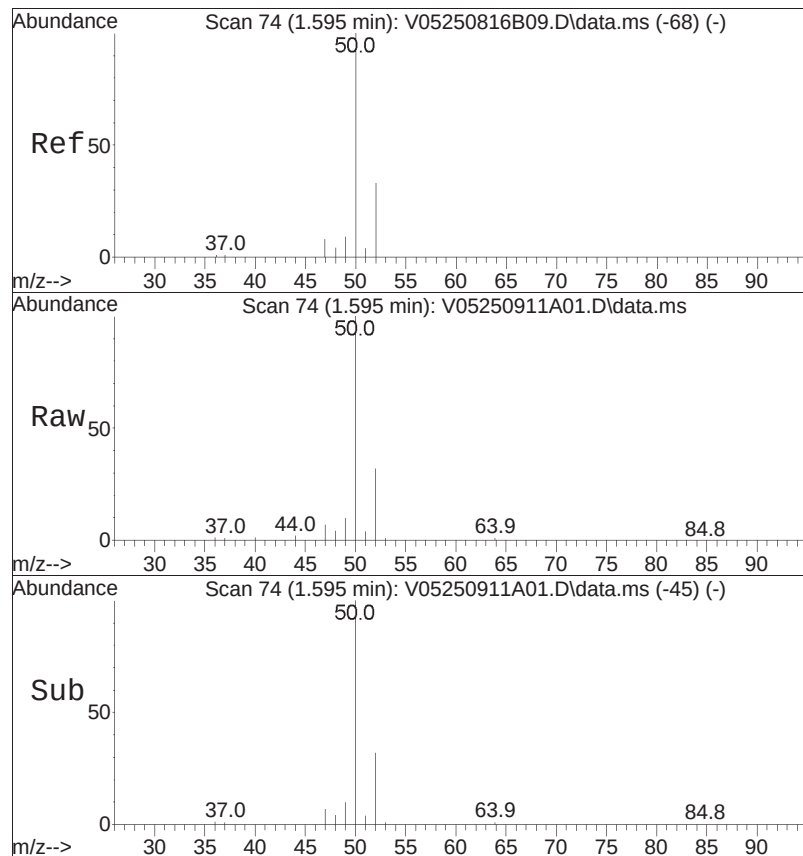




#2
 Dichlorodifluoromethane
 Concen: 9.76 ug/L
 RT: 1.430 min Scan# 50
 Delta R.T. -0.001 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

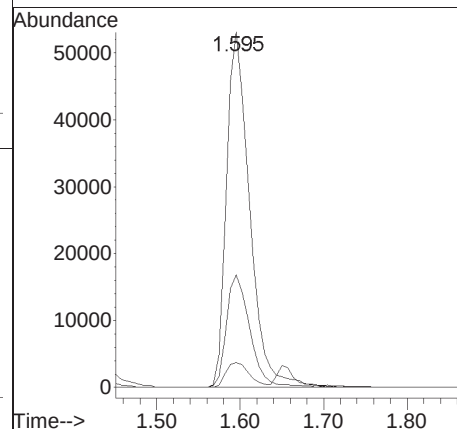
Tgt Ion: 85 Resp: 95790
 Ion Ratio Lower Upper
 85 100
 87 33.2 21.2 44.0
 50 12.4 7.9 16.3

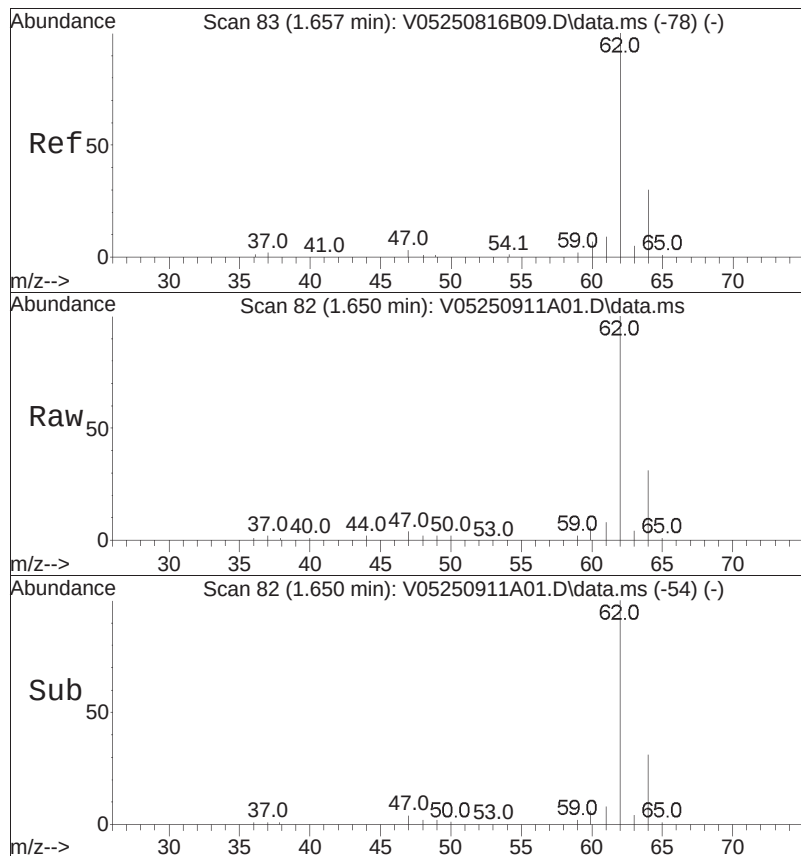




#3
 Chloromethane
 Concen: 13.02 ug/L
 RT: 1.595 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

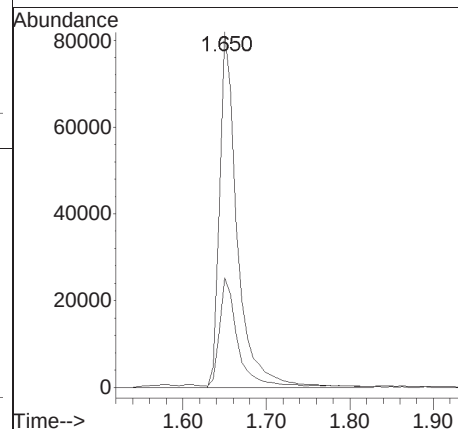
Tgt	Ion: 50	Resp:	103239
Ion	Ratio	Lower	Upper
50	100		
52	31.8	13.6	53.6
47	7.2	0.0	27.6

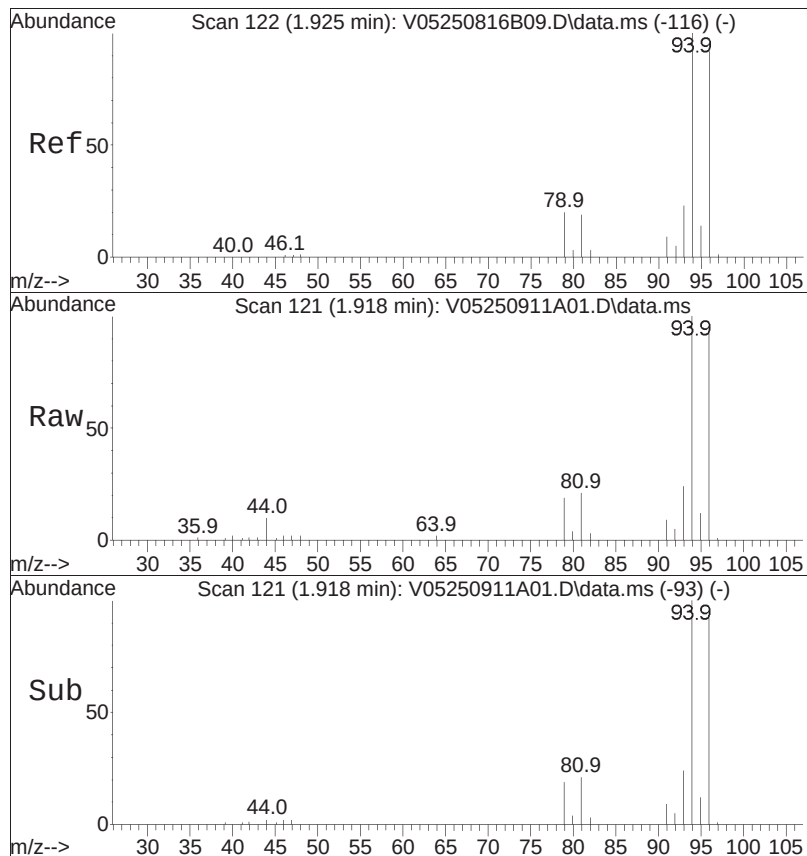




#4
 Vinyl chloride
 Concen: 13.31 ug/L
 RT: 1.650 min Scan# 82
 Delta R.T. -0.007 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

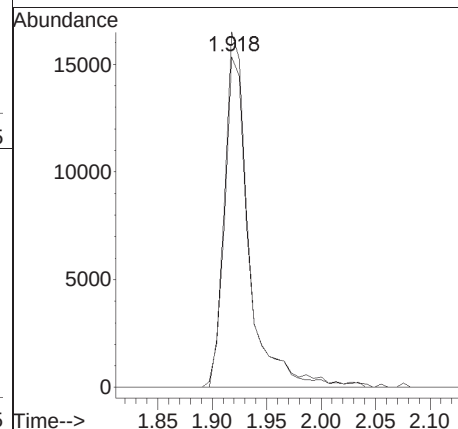
Tgt	Ion	Ratio	Lower	Upper
62	100			
64	30.2	10.7	50.7	

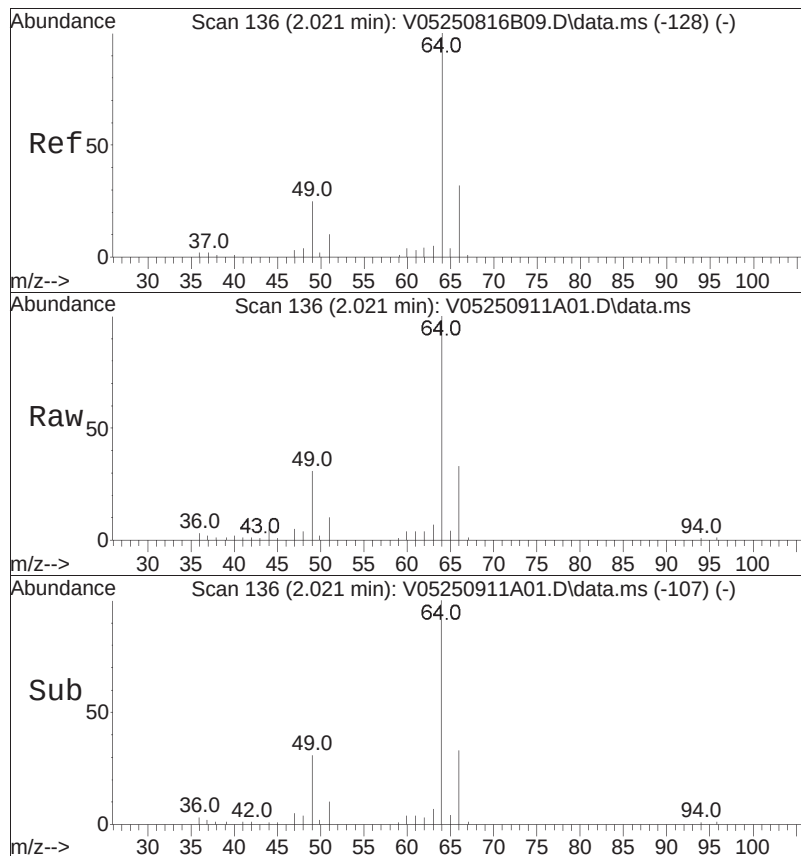




#5
 Bromomethane
 Concen: 6.52 ug/L
 RT: 1.918 min Scan# 121
 Delta R.T. -0.007 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

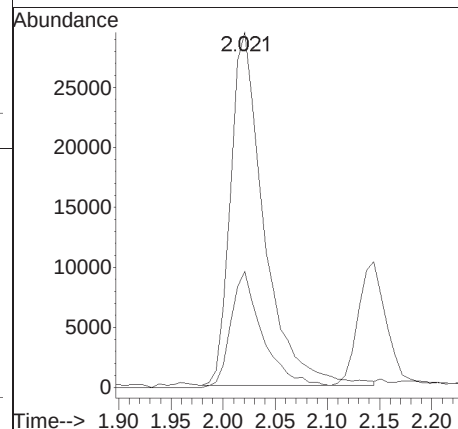
Tgt Ion	Ratio	Lower	Upper
94	100		
96	93.3	71.2	111.2

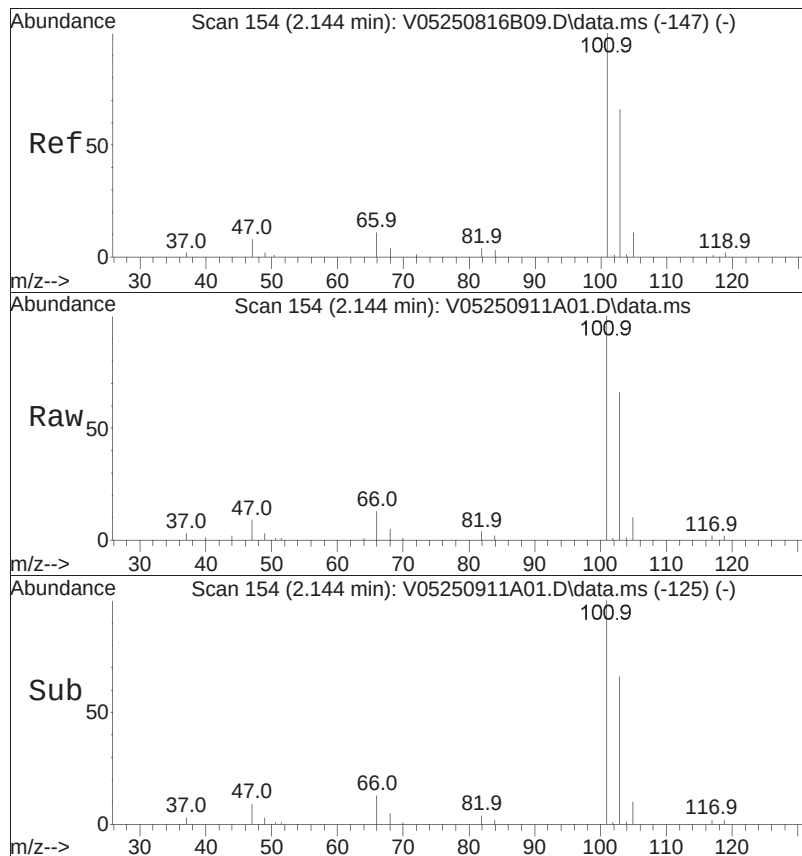




#6
 Chloroethane
 Concen: 12.45 ug/L
 RT: 2.021 min Scan# 136
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

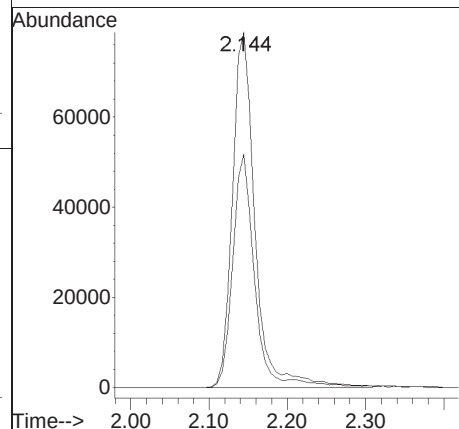
Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.4	10.1	50.1

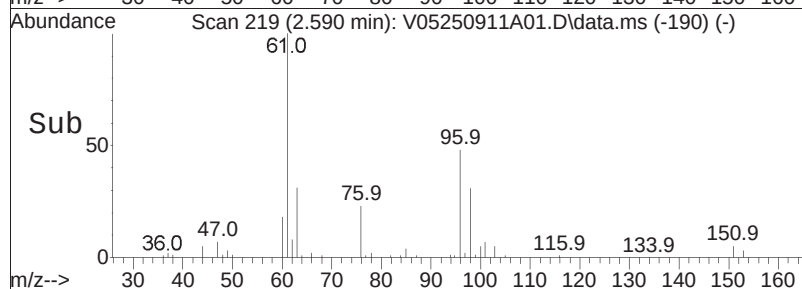
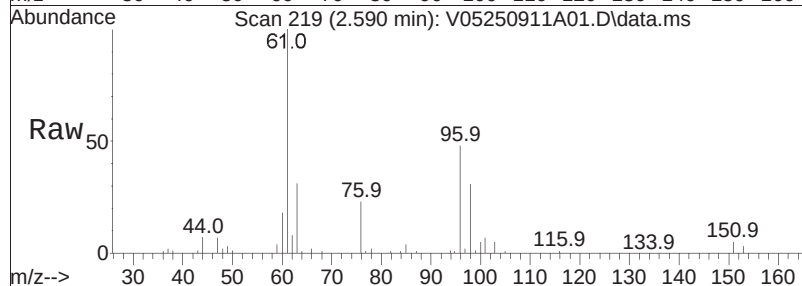
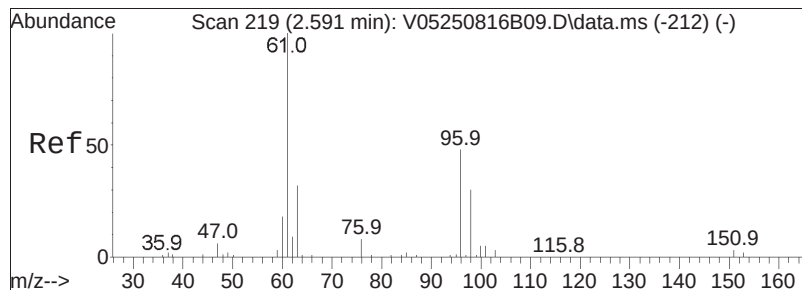




#7
 Trichlorofluoromethane
 Concen: 10.87 ug/L
 RT: 2.144 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

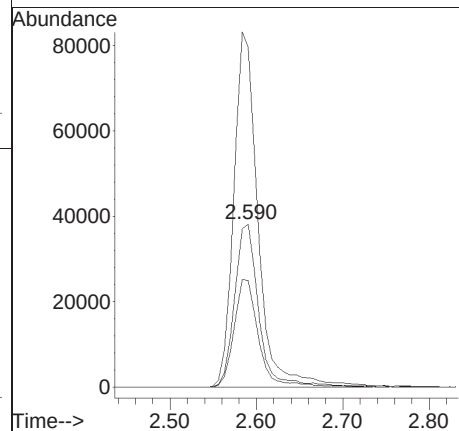
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	103	60.8	51.8	77.8

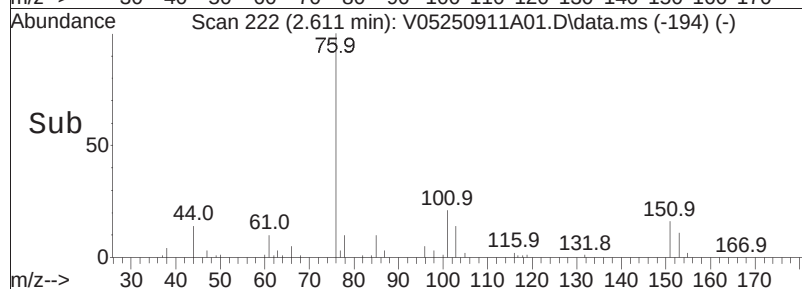
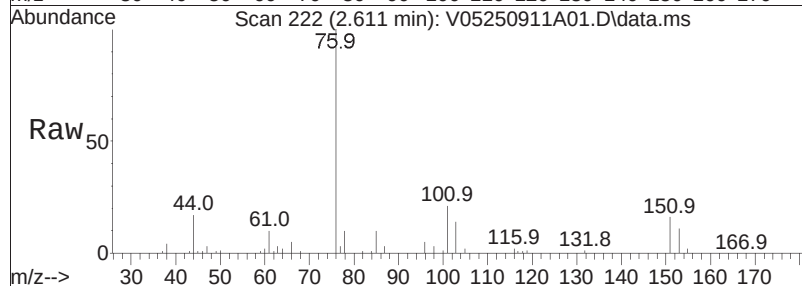
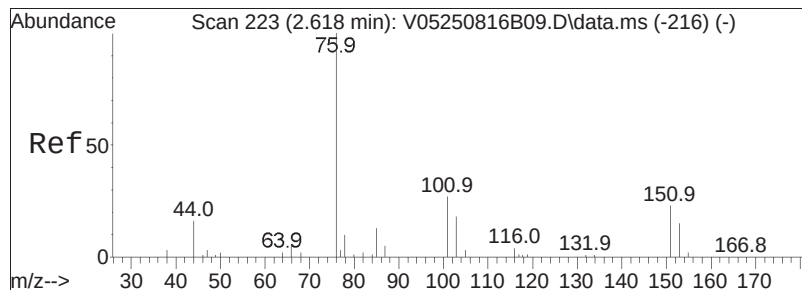




#10
 1,1-Dichloroethene
 Concen: 12.12 ug/L
 RT: 2.590 min Scan# 219
 Delta R.T. -0.001 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

Tgt Ion:	96	Resp:	75841
Ion Ratio	Lower	Upper	
96	100		
61	216.4	169.4	254.2
63	66.7	52.9	79.3





#11

Carbon disulfide

Concen: 12.77 ug/L

RT: 2.611 min Scan# 222

Delta R.T. -0.007 min

Lab File: V05250911A01.D

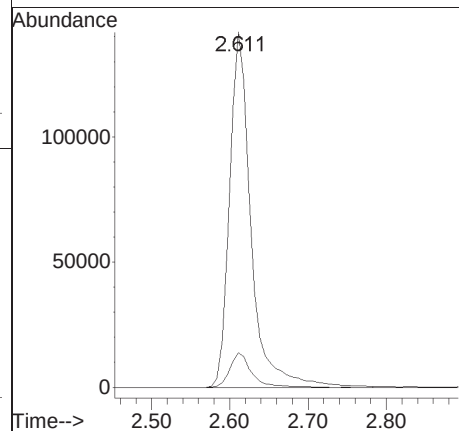
Acq: 11 Sep 2025 7:18 am

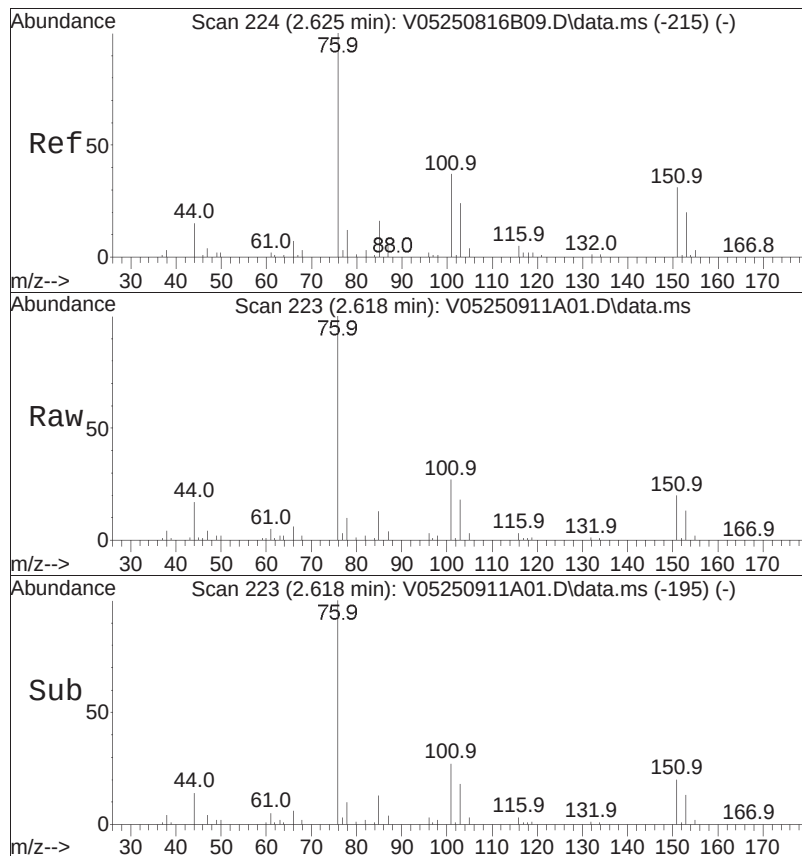
Tgt Ion: 76 Resp: 271765

Ion Ratio Lower Upper

76 100

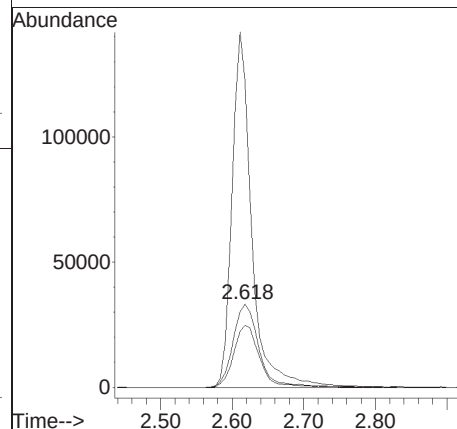
78 9.9 6.8 14.2

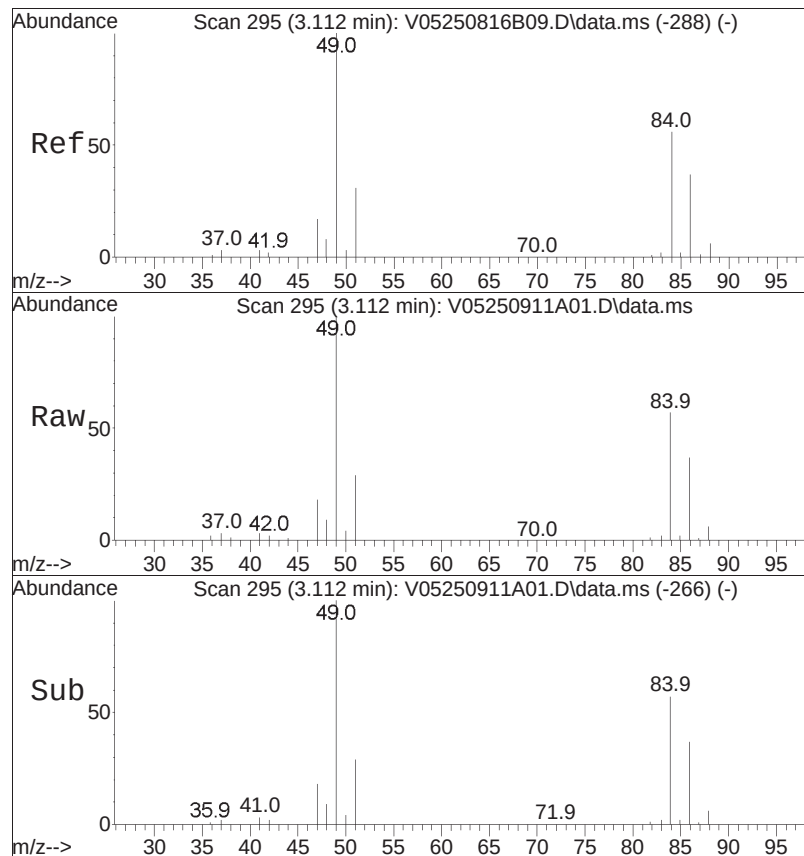




#12
 Freon-113
 Concen: 12.50 ug/L
 RT: 2.618 min Scan# 223
 Delta R.T. -0.007 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

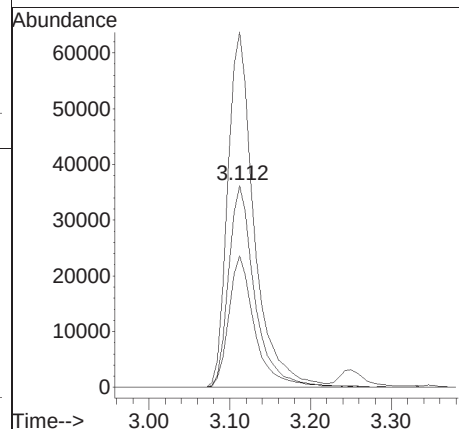
Tgt Ion	Ratio	Lower	Upper
101	100		
151	74.5	67.0	100.6
76	323.4	239.8	359.8

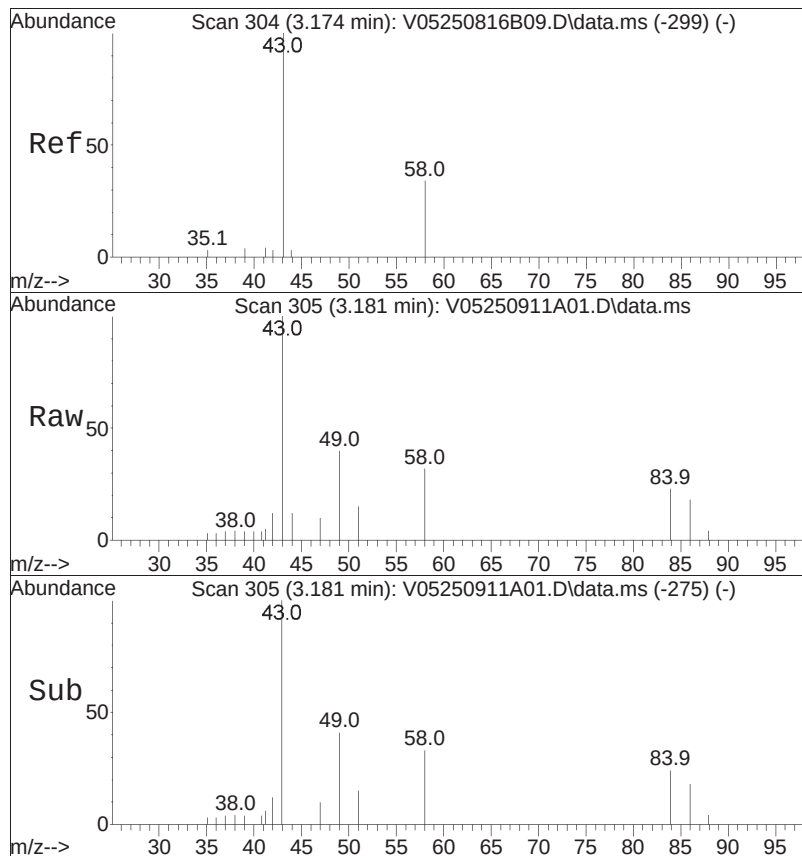




#15
Methylene chloride
Concen: 11.15 ug/L
RT: 3.112 min Scan# 295
Delta R.T. 0.000 min
Lab File: V05250911A01.D
Acq: 11 Sep 2025 7:18 am

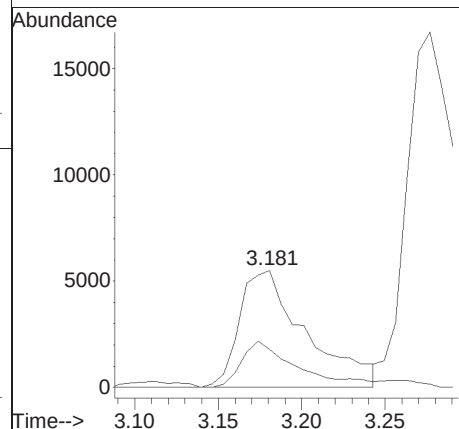
Tgt Ion	Ratio	Lower	Upper
84	100		
86	64.6	43.2	89.8
49	176.9	116.4	241.8

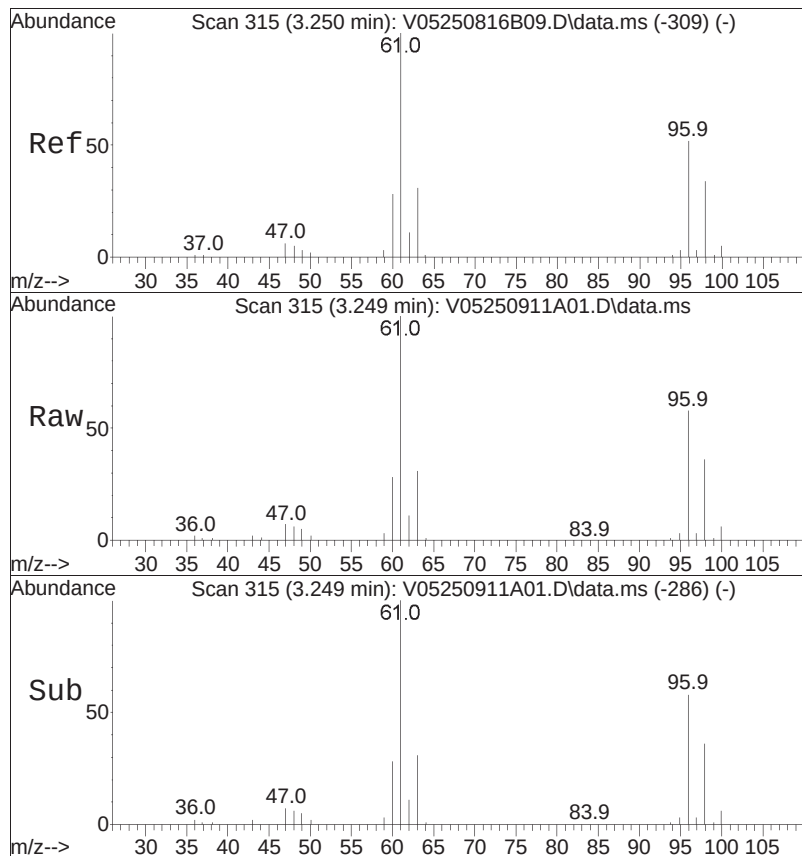




#17
 Acetone
 Concen: 10.96 ug/L
 RT: 3.181 min Scan# 305
 Delta R.T. 0.007 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

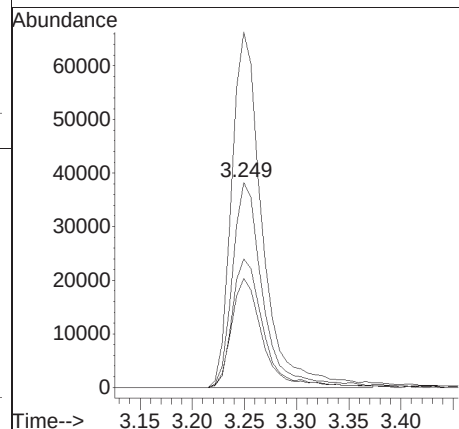
Tgt Ion:	43	58	Ratio	100	33.2	Resp:	15241	Lower	Upper
43	100								
58		33.2						26.6	40.0

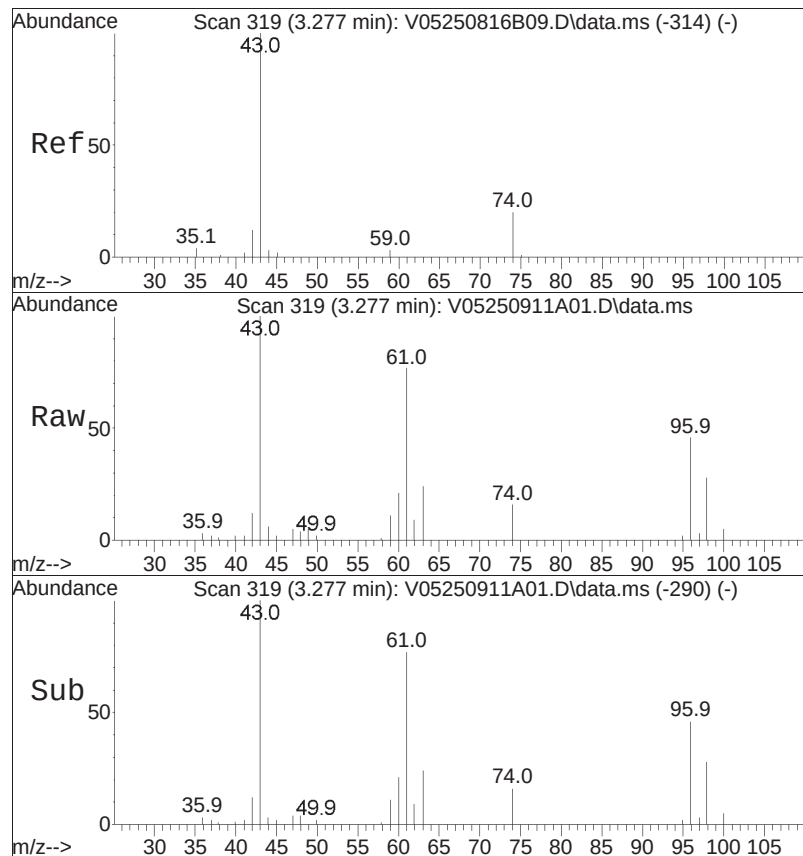




#18
 trans-1,2-Dichloroethene
 Concen: 10.88 ug/L
 RT: 3.249 min Scan# 315
 Delta R.T. -0.001 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

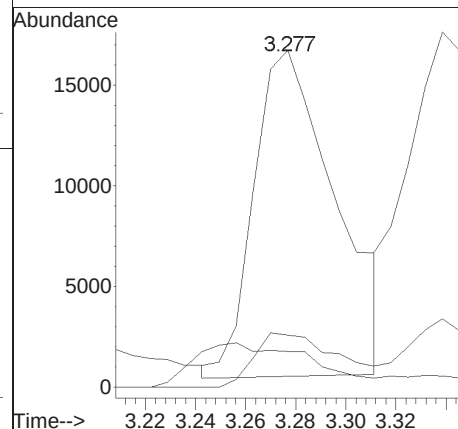
Tgt Ion: 96	Resp: 77914
Ion Ratio	Lower Upper
96 100	
61 176.7	125.3 260.1
98 64.8	42.8 89.0
63 54.8	38.7 80.3

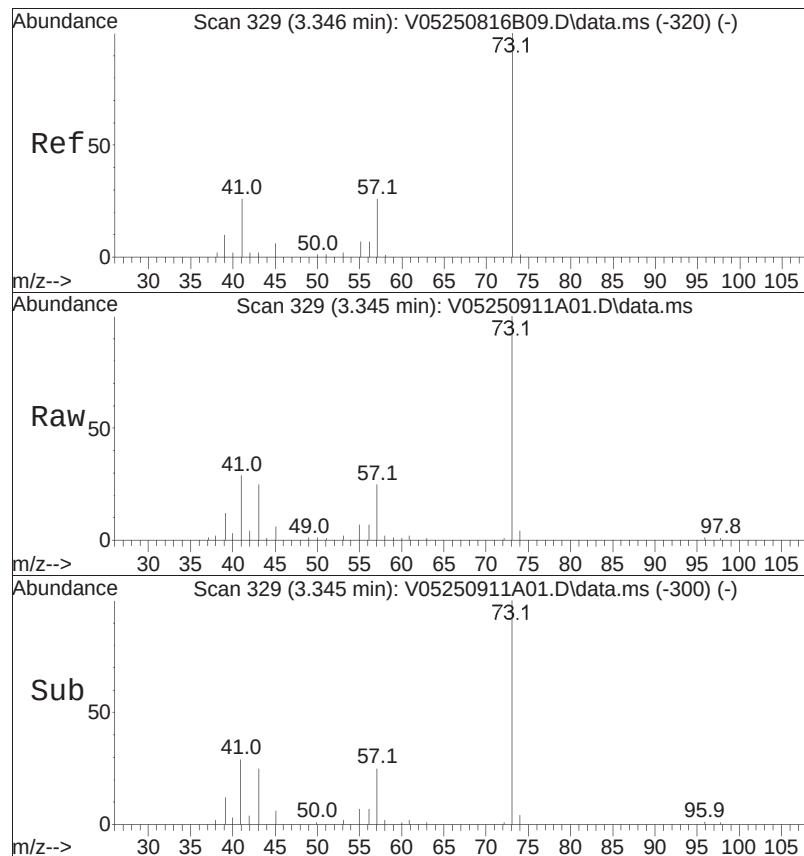




#19
Methyl acetate
Concen: 10.71 ug/L
RT: 3.277 min Scan# 319
Delta R.T. -0.000 min
Lab File: V05250911A01.D
Acq: 11 Sep 2025 7:18 am

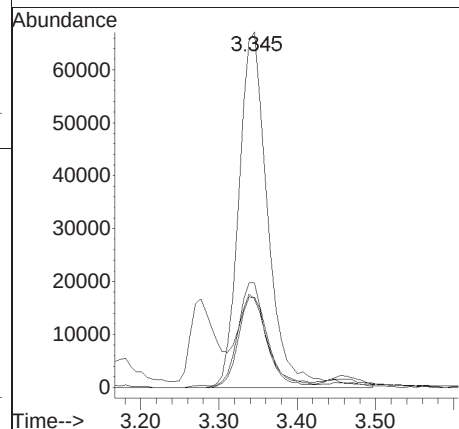
Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.3	14.4	21.6
59	19.5	17.9	26.9

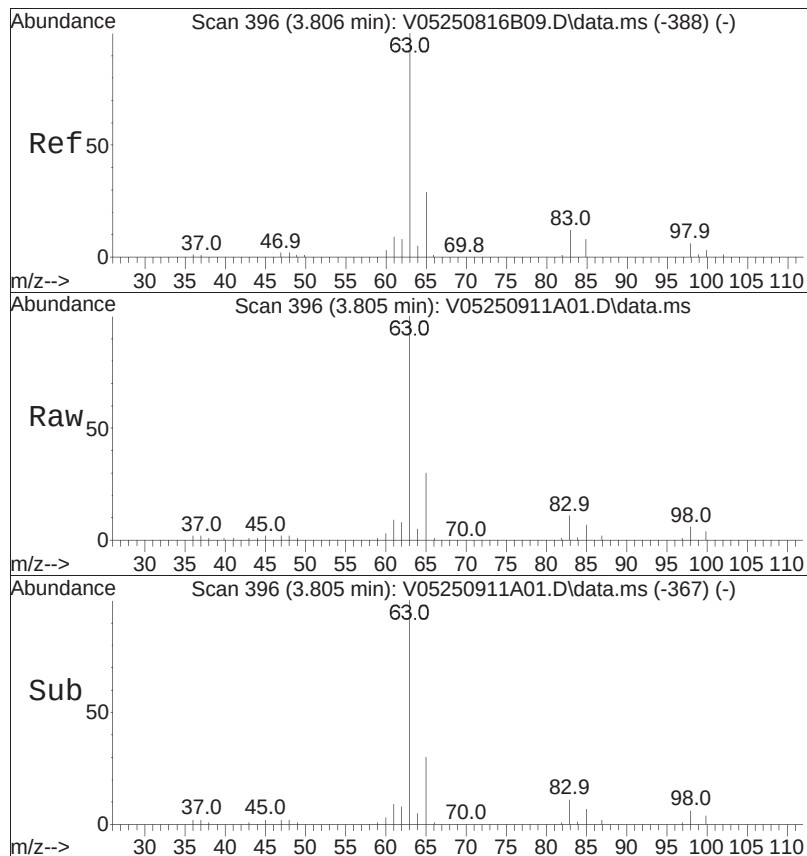




#20
Methyl tert-butyl ether
Concen: 9.57 ug/L
RT: 3.345 min Scan# 329
Delta R.T. -0.001 min
Lab File: V05250911A01.D
Acq: 11 Sep 2025 7:18 am

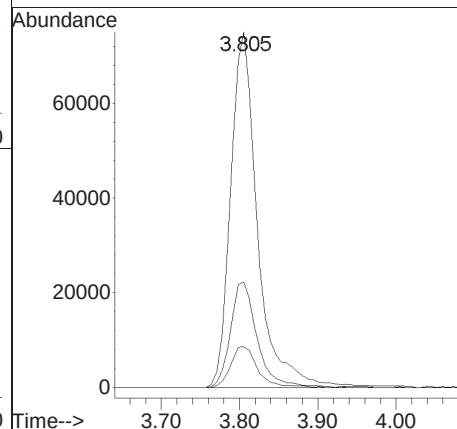
Tgt	Ion: 73	Resp:	173518
Ion	Ratio	Lower	Upper
73	100		
57	25.4	16.7	34.7
43	25.1	15.7	32.7
41	29.9	15.9	33.1

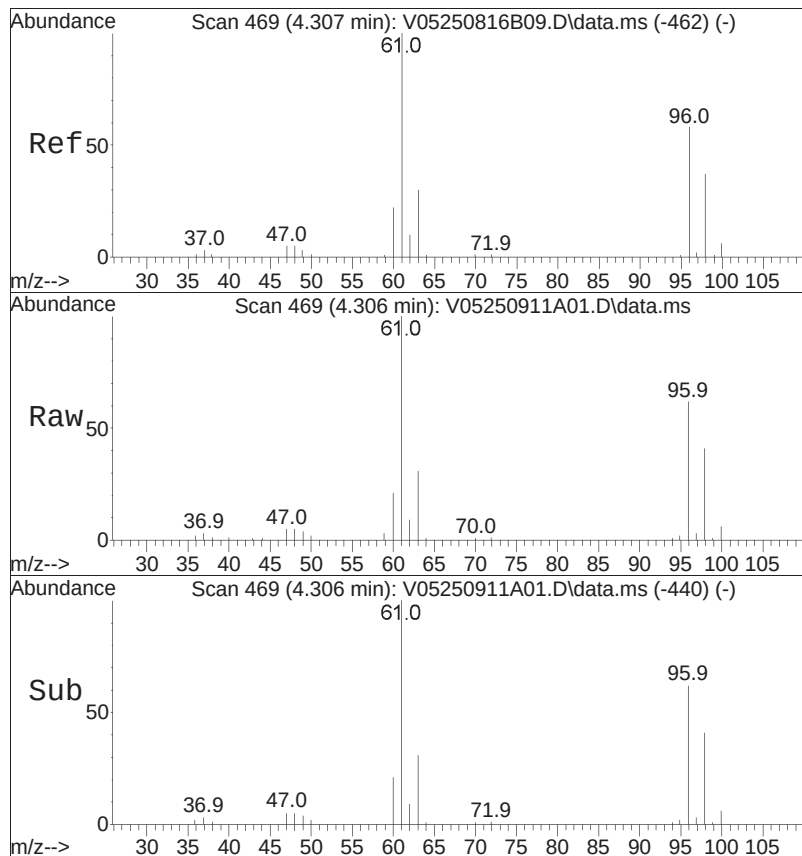




#23
 1,1-Dichloroethane
 Concen: 10.78 ug/L
 RT: 3.805 min Scan# 396
 Delta R.T. -0.001 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

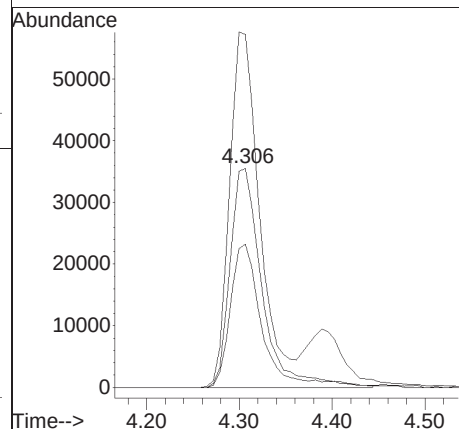
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	179666		
65	29.3		8.6	48.6
83	11.5		0.0	31.7

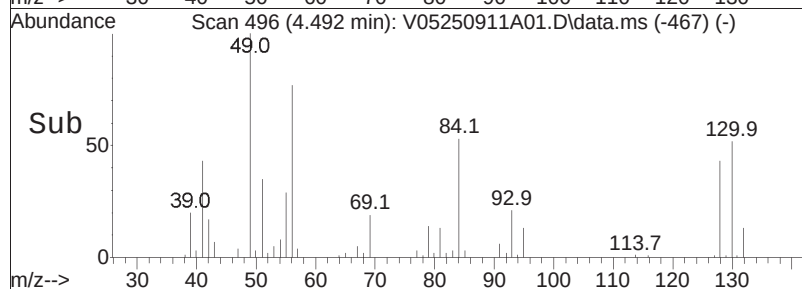
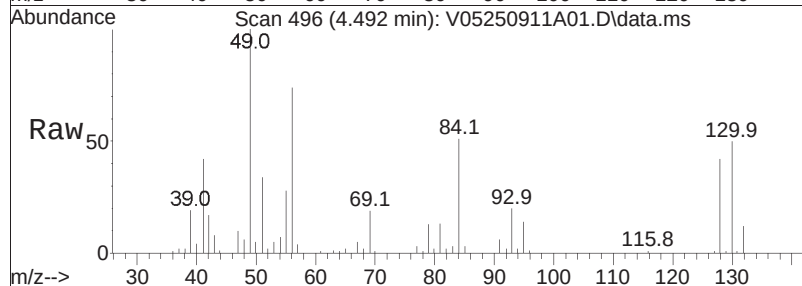
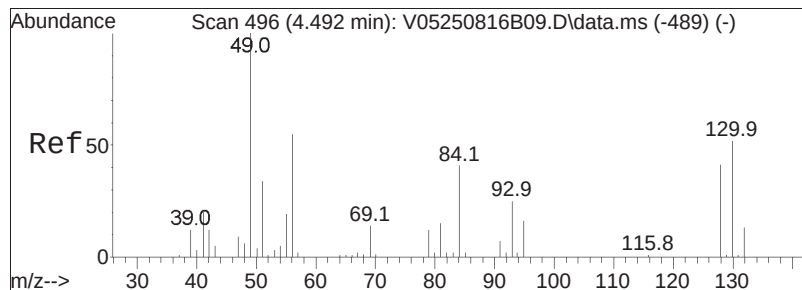




#28
 cis-1,2-Dichloroethene
 Concen: 10.77 ug/L
 RT: 4.306 min Scan# 469
 Delta R.T. -0.001 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

Tgt Ion:	96	Resp:	85176
Ion Ratio	Lower	Upper	
96	100		
61	152.6	131.4	197.2
98	65.4	49.8	74.8





#30

Bromochloromethane

Concen: 11.33 ug/L

RT: 4.492 min Scan# 496

Delta R.T. -0.000 min

Lab File: V05250911A01.D

Acq: 11 Sep 2025 7:18 am

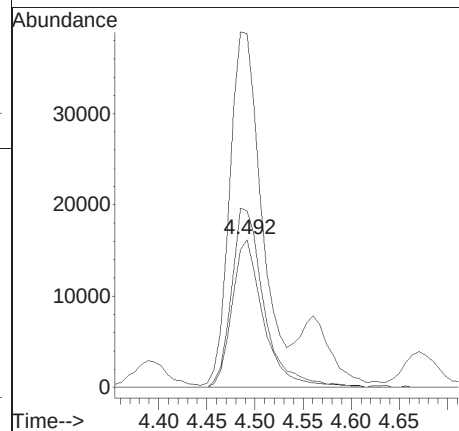
Tgt Ion:128 Resp: 36898

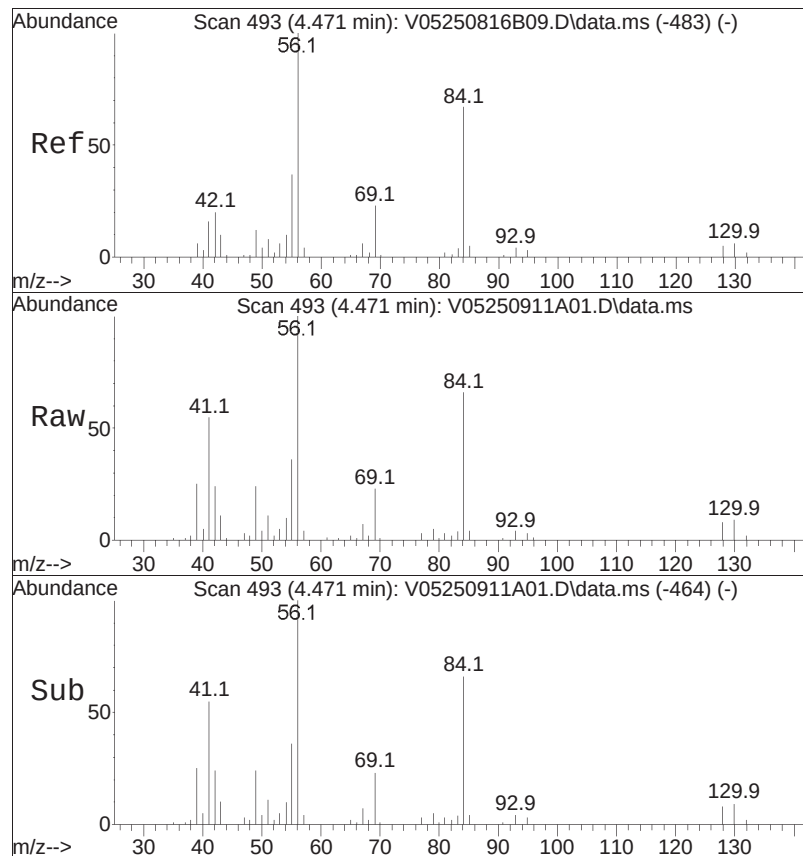
Ion Ratio Lower Upper

128 100

49 238.4 186.2 279.4

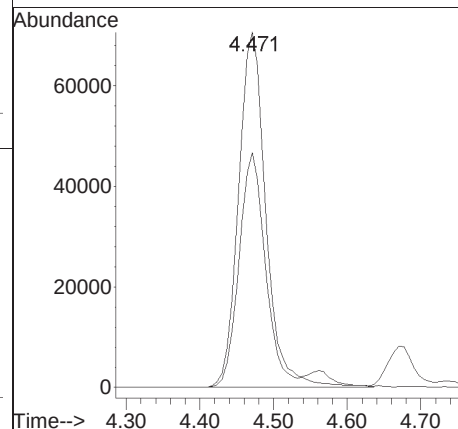
130 125.3 105.0 157.4

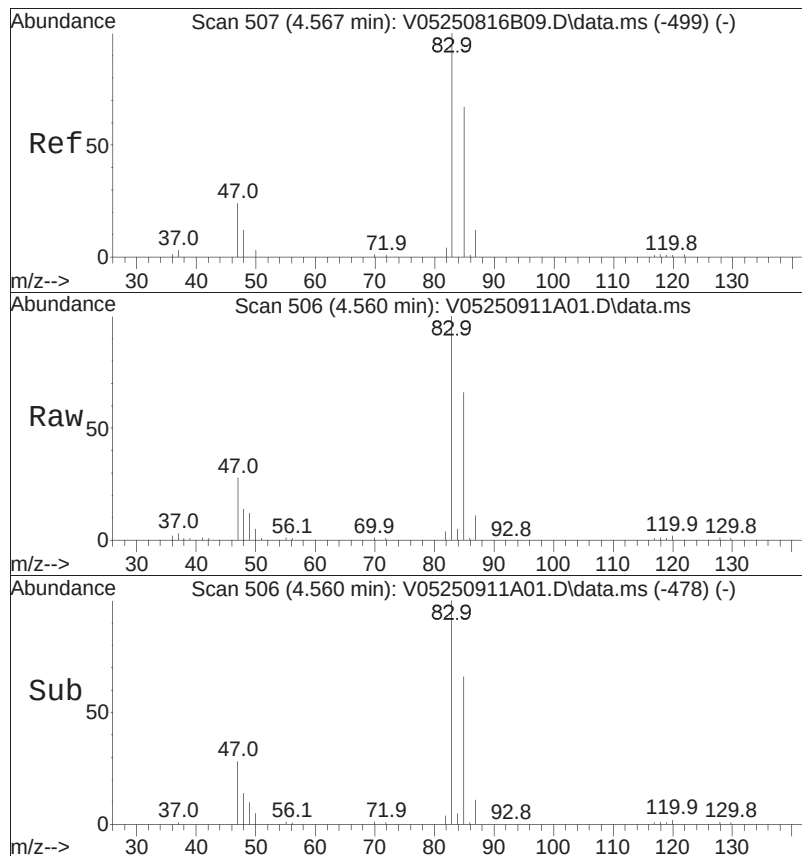




#31
 Cyclohexane
 Concen: 11.35 ug/L
 RT: 4.471 min Scan# 493
 Delta R.T. 0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

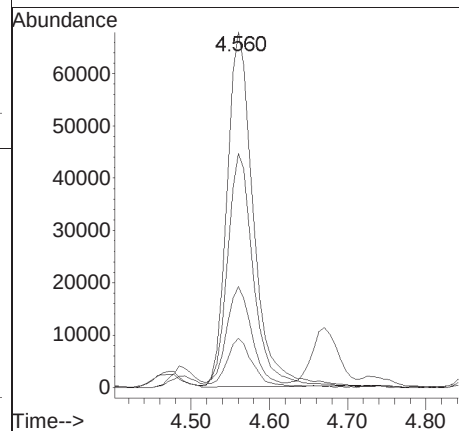
Tgt	Ion	Resp	Lower	Upper
56	100			
84	63.8	41.1	85.5	

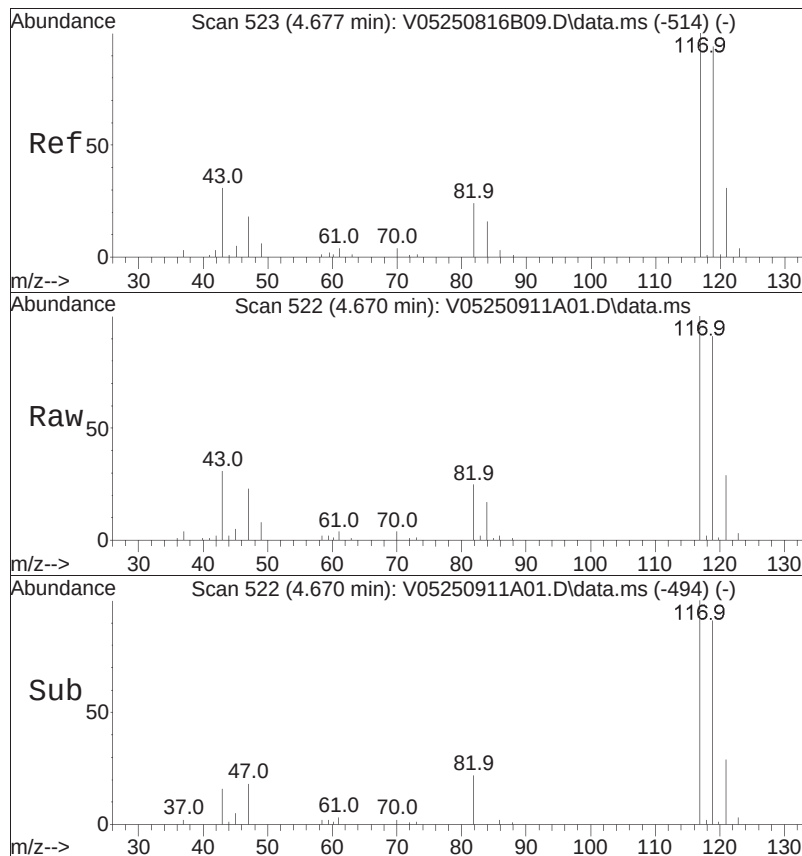




#32
 Chloroform
 Concen: 10.38 ug/L
 RT: 4.560 min Scan# 506
 Delta R.T. -0.007 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

Tgt	Ion: 83	Resp:	158782
Ion	Ratio	Lower	Upper
83	100		
85	65.4	42.6	88.4
47	25.7	15.5	32.3
48	12.7	8.4	17.4





#34

Carbon tetrachloride

Concen: 9.27 ug/L

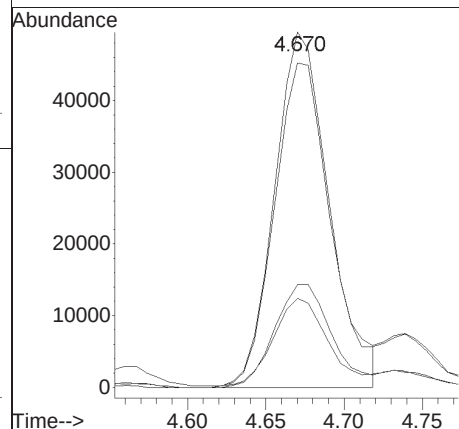
RT: 4.670 min Scan# 522

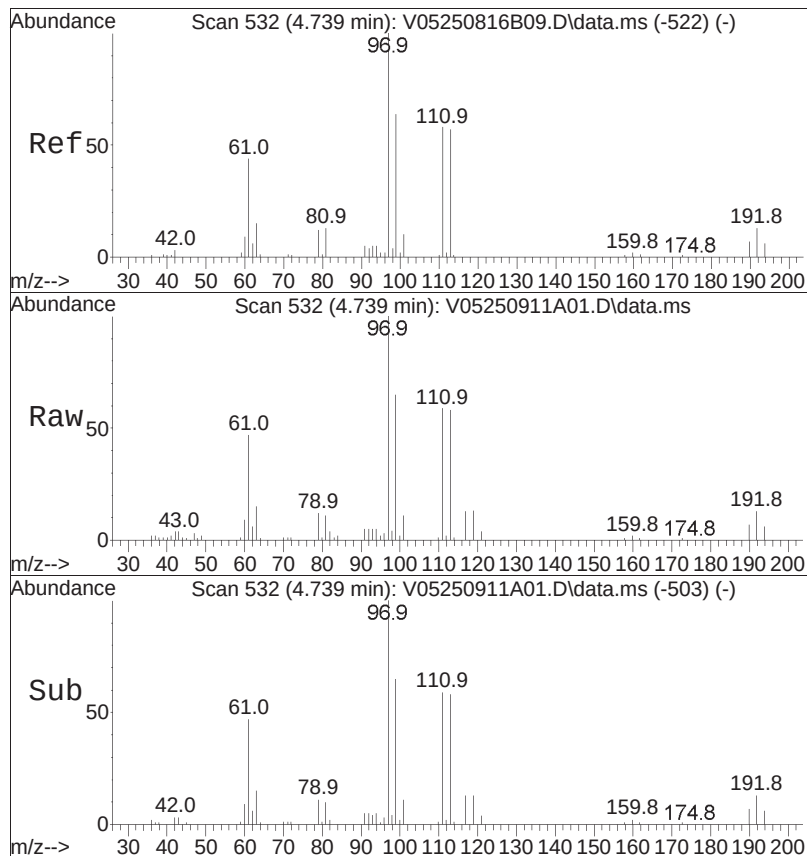
Delta R.T. -0.007 min

Lab File: V05250911A01.D

Acq: 11 Sep 2025 7:18 am

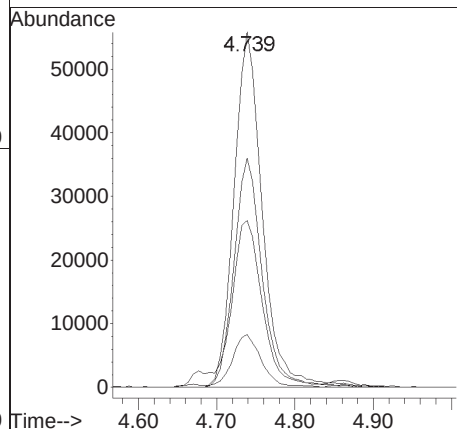
Tgt	Ion:117	Resp:	120829
Ion	Ratio	Lower	Upper
117	100		
119	93.7	58.9	122.3
121	30.1	19.0	39.6
82	24.6	15.4	32.0

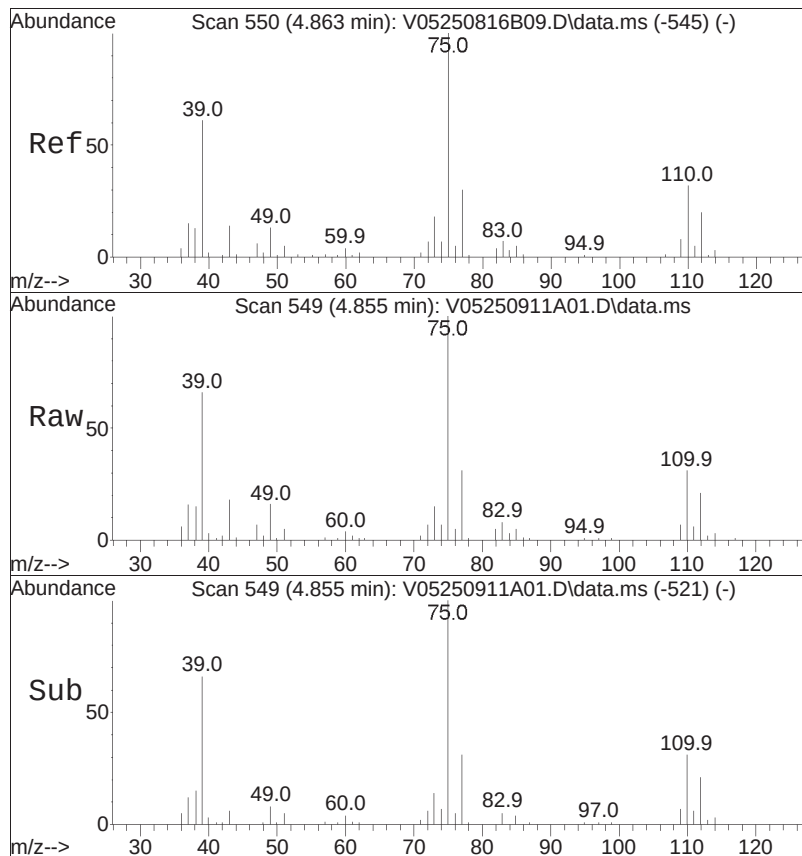




#37
 1,1,1-Trichloroethane
 Concen: 9.89 ug/L
 RT: 4.739 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

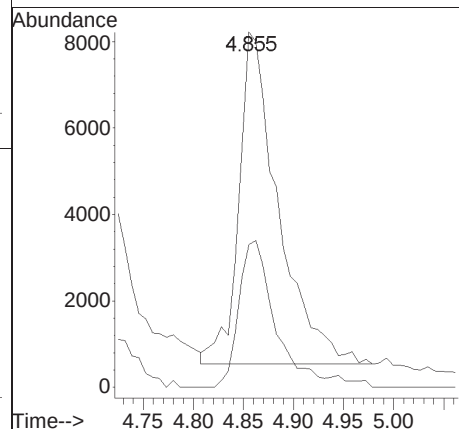
Tgt Ion:	97	Resp:	141403
Ion	Ratio	Lower	Upper
97	100		
99	64.4	41.9	86.9
61	49.0	30.4	63.0
63	15.3	9.6	20.0

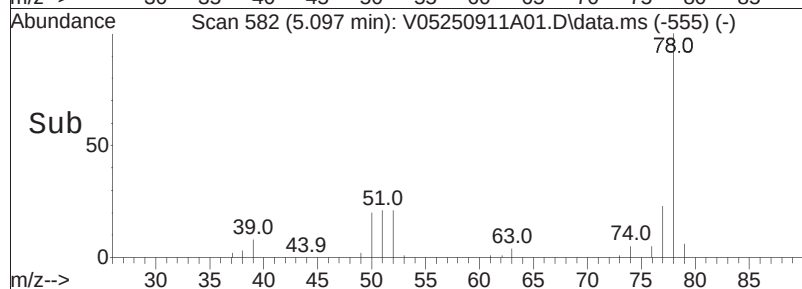
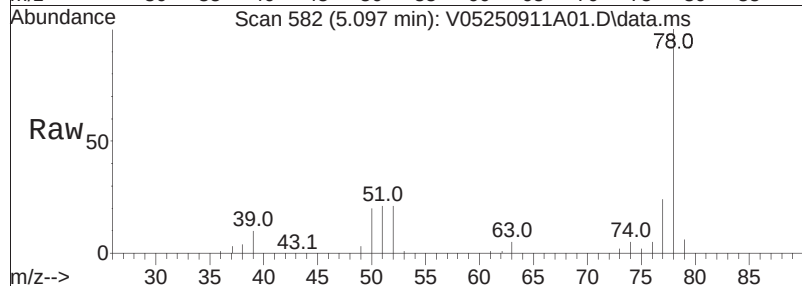
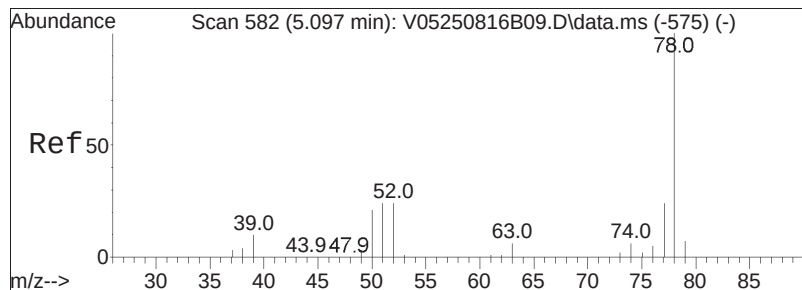




#39
 2-Butanone
 Concen: 10.14 ug/L
 RT: 4.855 min Scan# 549
 Delta R.T. -0.008 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

Tgt Ion:	43	72	Ion Ratio	100	40.1	Resp:	21185	Lower	34.6	Upper	52.0
43	100										
72		40.1						34.6			52.0





#41

Benzene

Concen: 11.47 ug/L

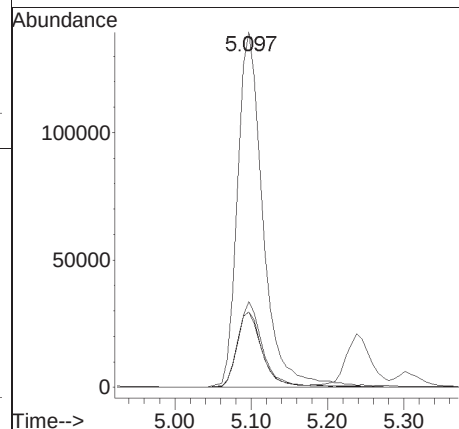
RT: 5.097 min Scan# 582

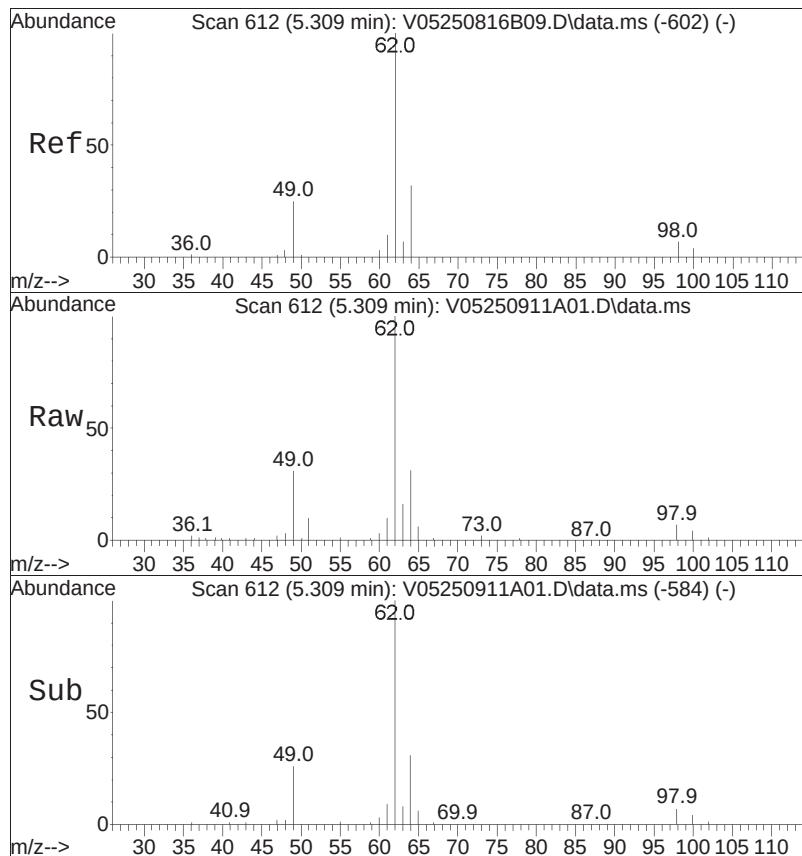
Delta R.T. -0.000 min

Lab File: V05250911A01.D

Acq: 11 Sep 2025 7:18 am

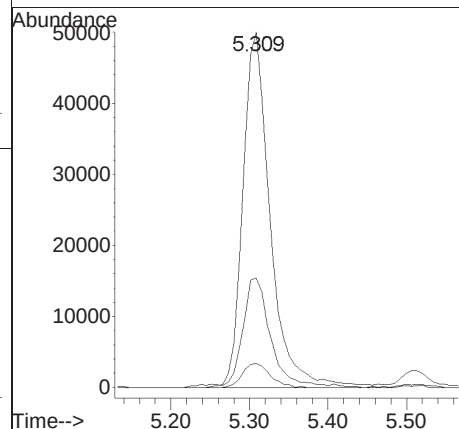
Tgt	Ion: 78	Resp:	346993
Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.5	32.3
51	21.9	15.5	32.3
52	21.4	15.0	31.1

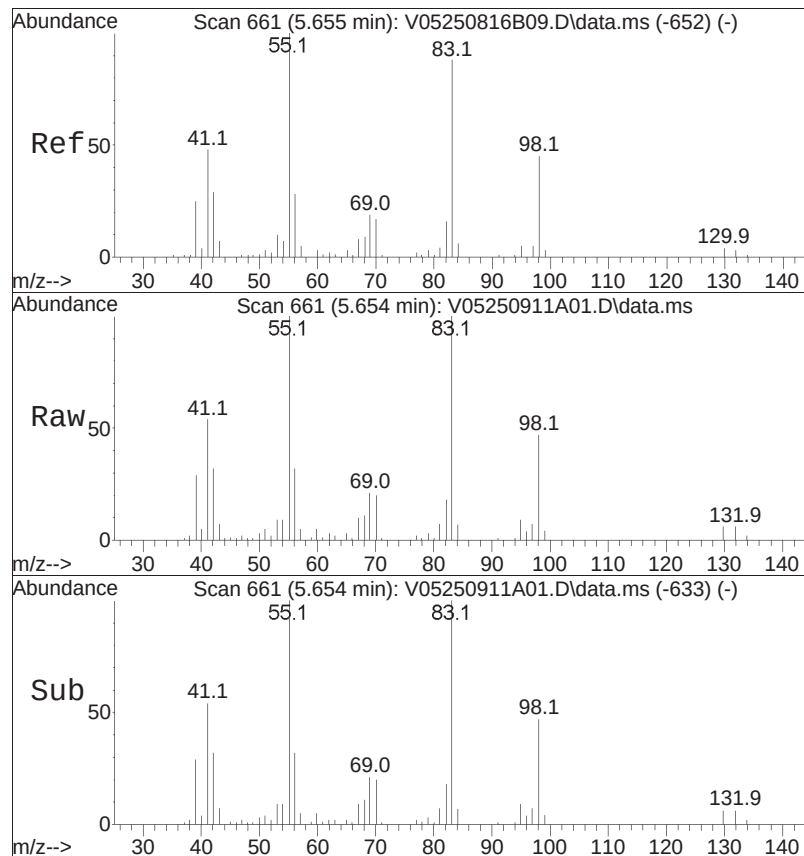




#44
 1,2-Dichloroethane
 Concen: 9.97 ug/L
 RT: 5.309 min Scan# 612
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

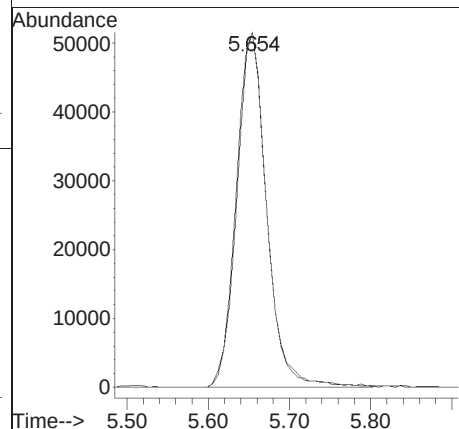
Tgt Ion:	62	Resp:	120663
Ion Ratio	Lower	Upper	
62	100		
64	32.2	12.5	52.5
98	6.8	0.0	26.7

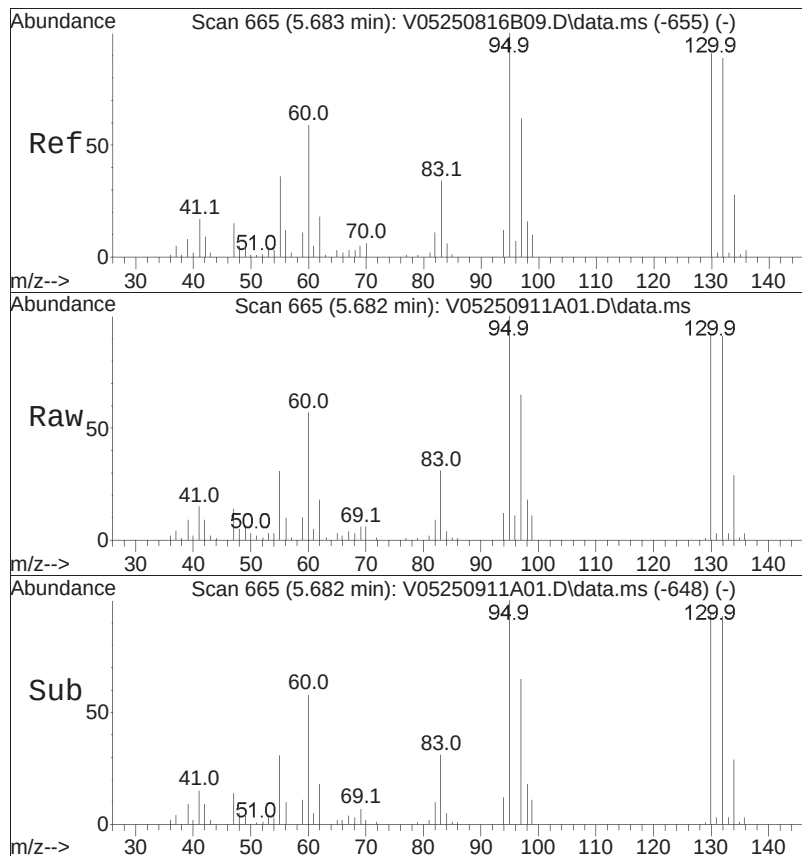




#47
 Methyl cyclohexane
 Concen: 10.22 ug/L
 RT: 5.654 min Scan# 661
 Delta R.T. -0.001 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

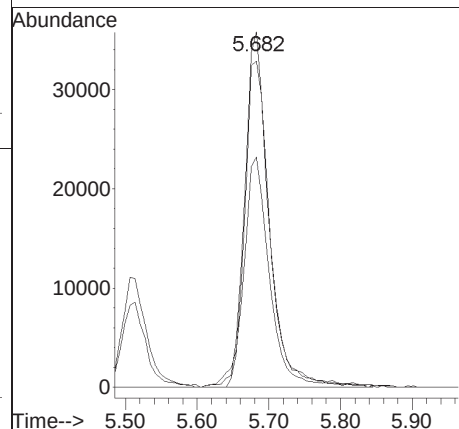
Tgt	Ion	Ratio	Lower	Upper
83	100			
55	102.5	89.0	133.4	

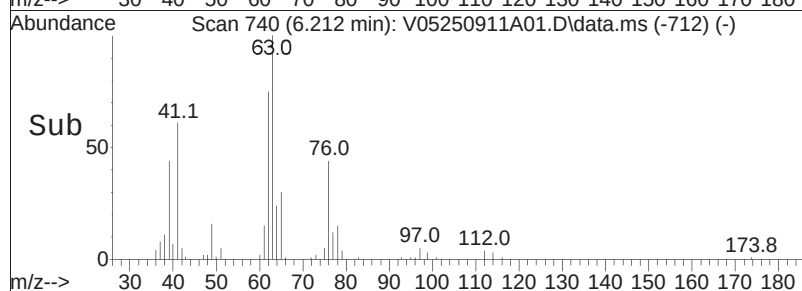
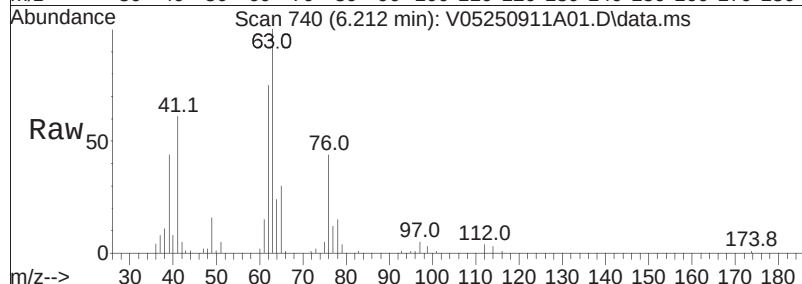
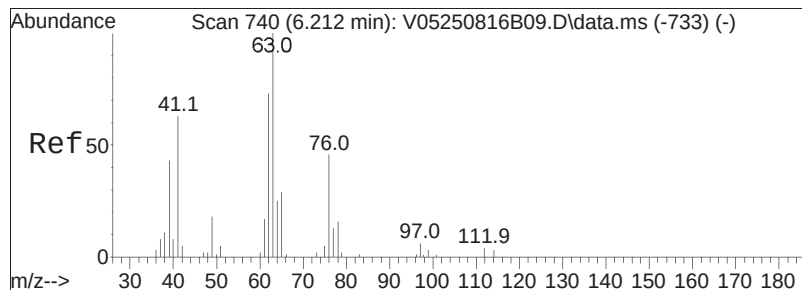




#48
 Trichloroethene
 Concen: 10.53 ug/L
 RT: 5.682 min Scan# 665
 Delta R.T. -0.001 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

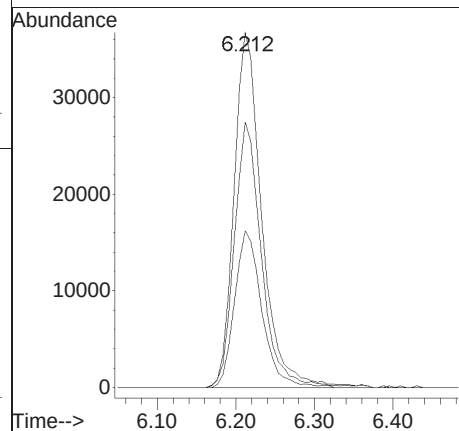
Tgt Ion	Ratio	Lower	Upper
95	100		
97	68.4	55.0	82.4
130	92.8	75.2	112.8

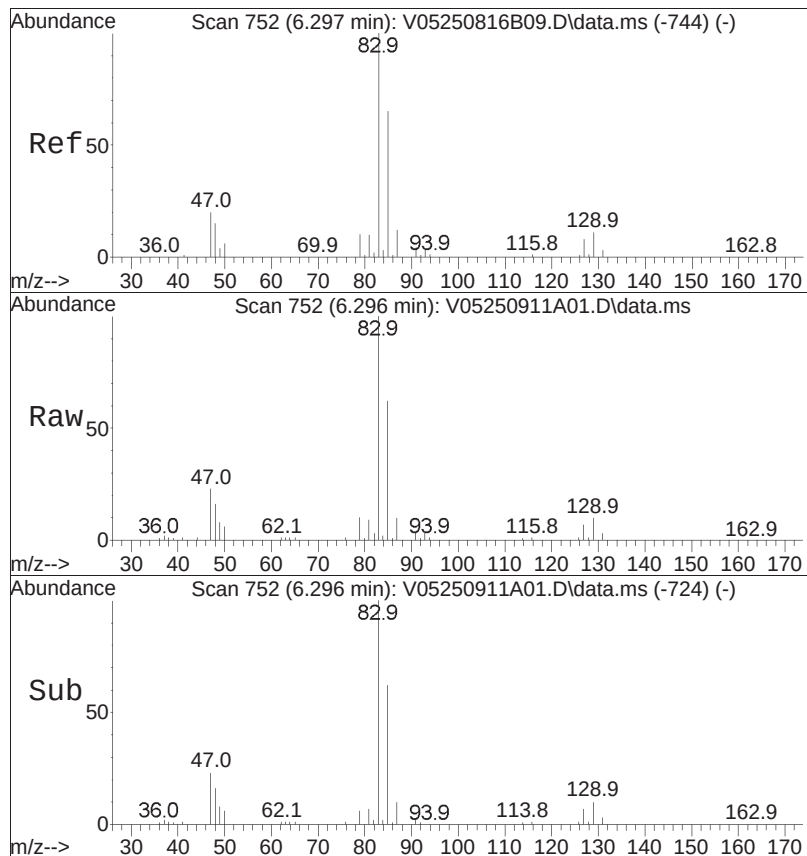




#51
 1,2-Dichloropropane
 Concen: 10.55 ug/L
 RT: 6.212 min Scan# 740
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

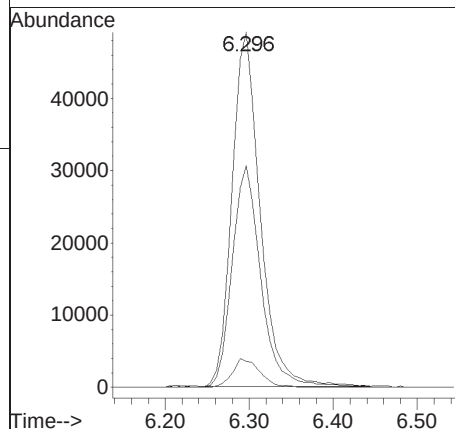
Tgt Ion:	63	Resp:	89935
Ion Ratio	Lower	Upper	
63	100		
62	73.5	56.4	84.6
76	43.5	37.9	56.9

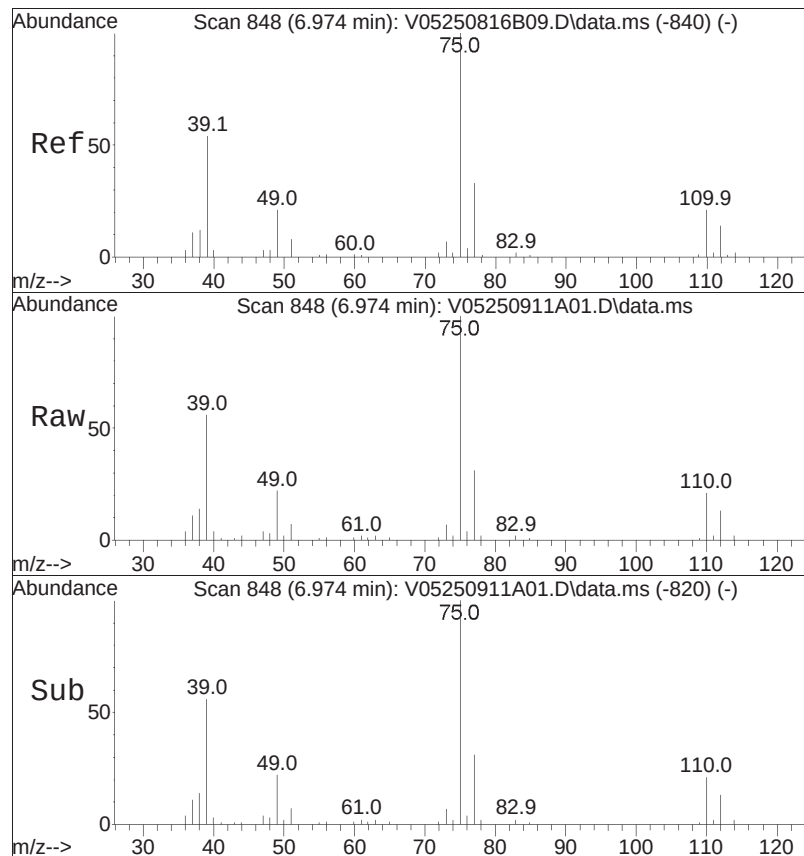




#54
 Bromodichloromethane
 Concen: 9.89 ug/L
 RT: 6.296 min Scan# 752
 Delta R.T. -0.001 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

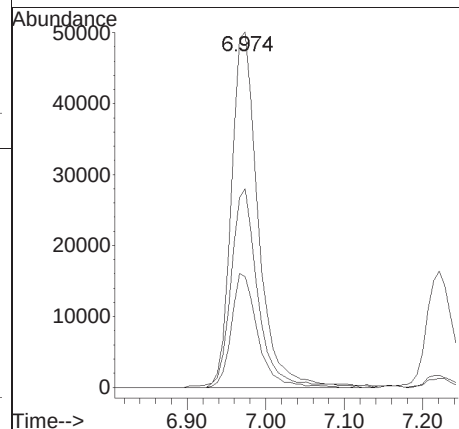
Tgt Ion:	83	Resp:	113702
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.9	79.3
127	8.0	6.5	9.7

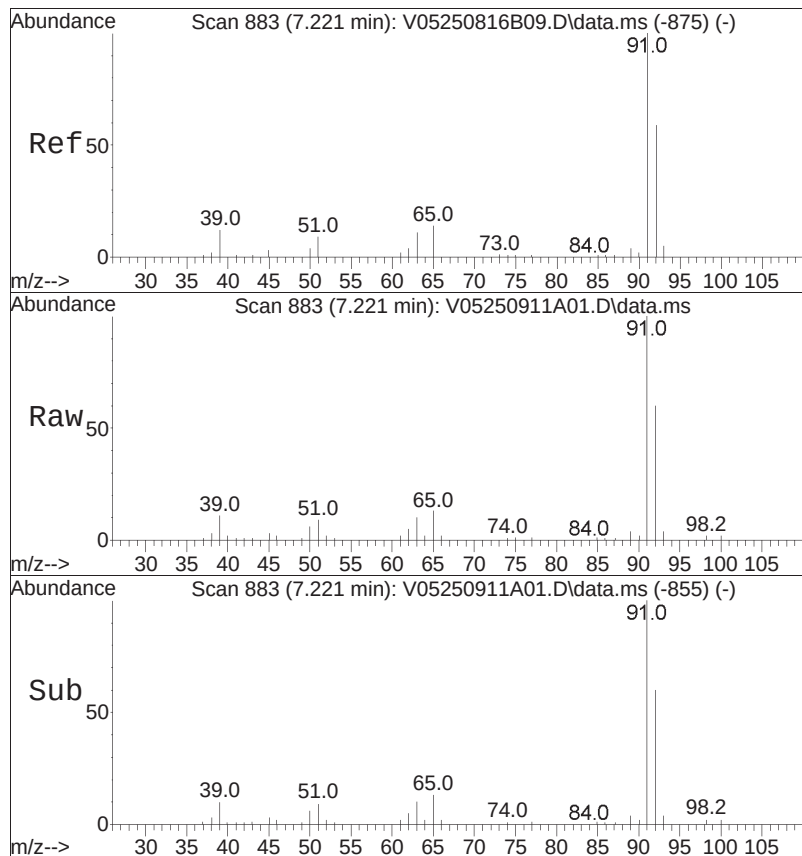




#58
 cis-1,3-Dichloropropene
 Concen: 10.63 ug/L
 RT: 6.974 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

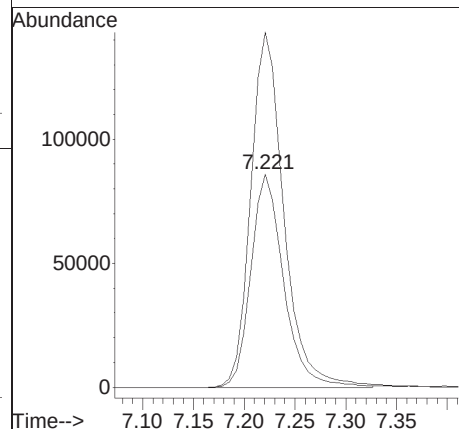
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	56.1	43.3	64.9

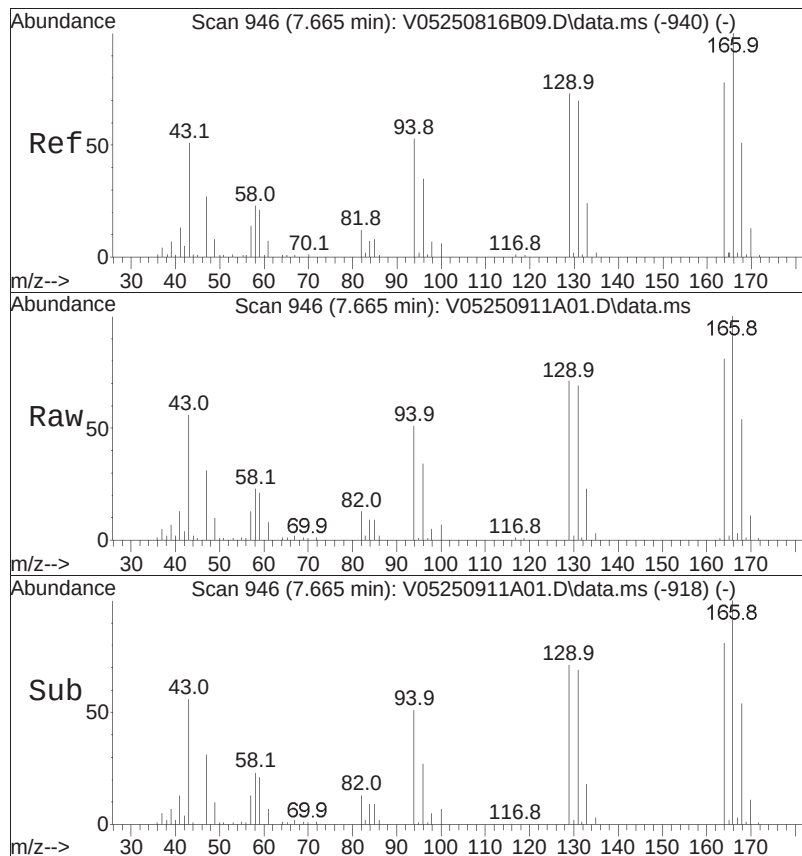




#61
 Toluene
 Concen: 10.81 ug/L
 RT: 7.221 min Scan# 883
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

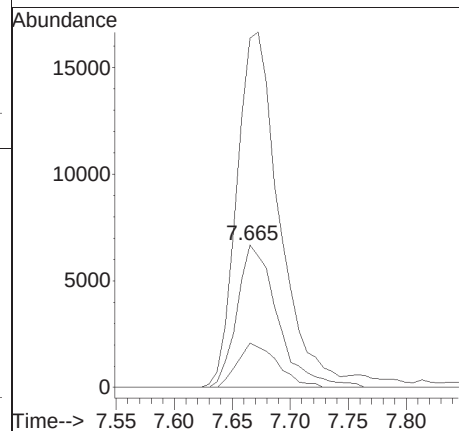
Tgt	Ion	Resp	Lower	Upper
92	100			
91	168.8	136.2	204.2	

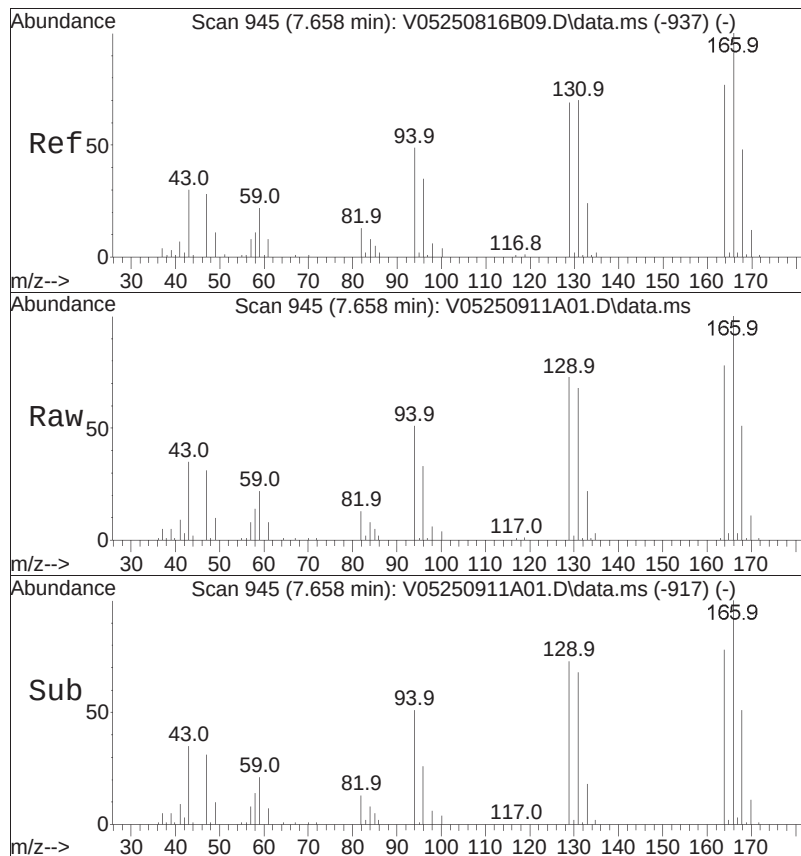




#62
 4-Methyl-2-pentanone
 Concen: 9.21 ug/L
 RT: 7.665 min Scan# 946
 Delta R.T. 0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

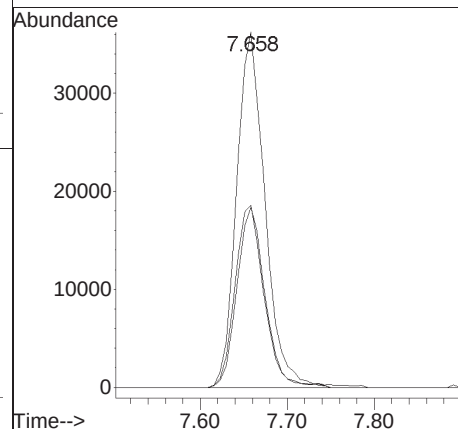
Tgt	Ion	Resp	Lower	Upper
58	100	16319		
100	30.7	24.1	36.1	
43	260.8	206.5	309.7	

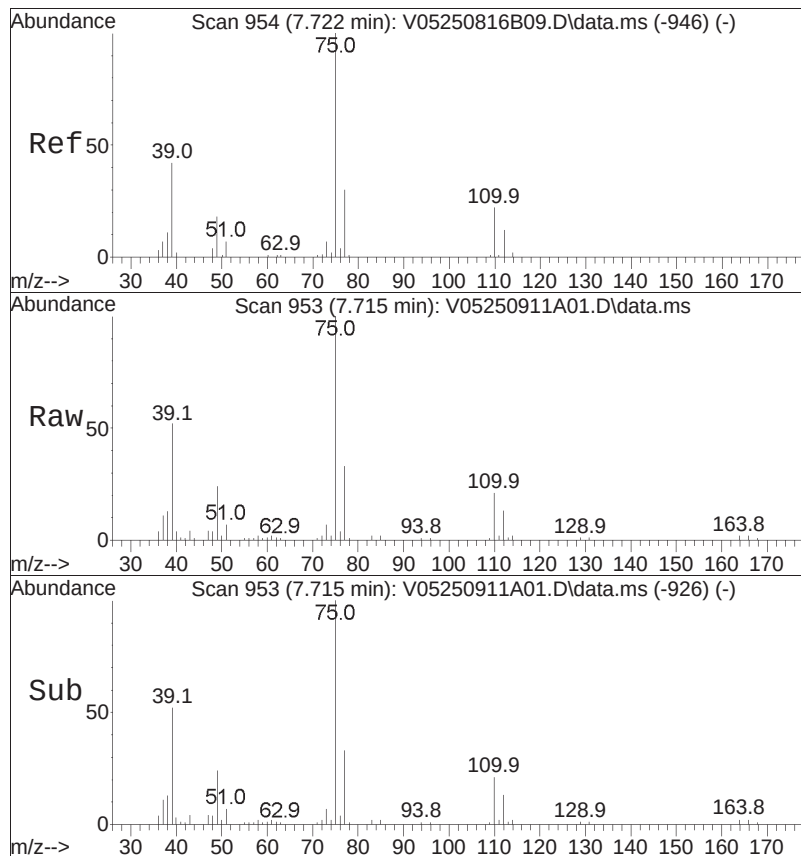




#63
 Tetrachloroethene
 Concen: 10.59 ug/L
 RT: 7.658 min Scan# 945
 Delta R.T. 0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

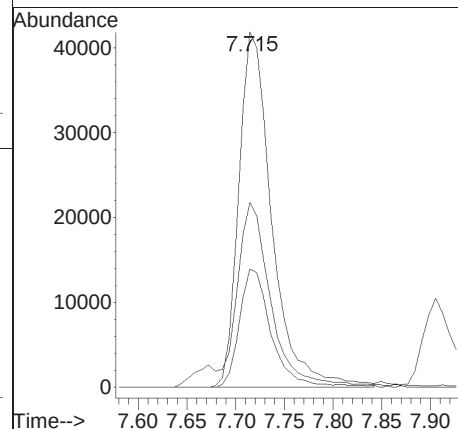
Tgt Ion	Ratio	Lower	Upper
166	100		
168	50.0	29.5	69.5
94	51.8	33.5	73.5

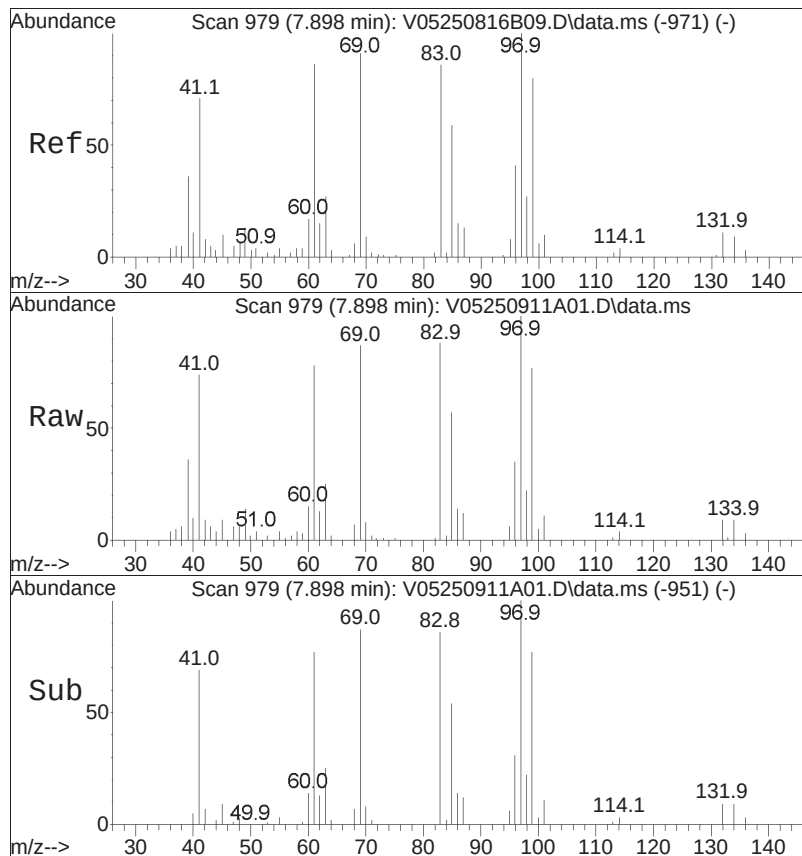




#65
 trans-1,3-Dichloropropene
 Concen: 9.58 ug/L
 RT: 7.715 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

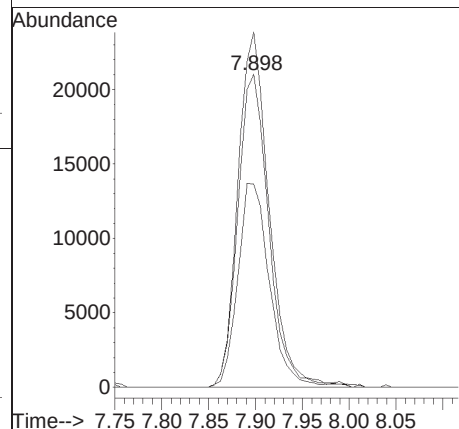
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99183		
77	32.3		11.6	51.6
39	57.3		33.1	73.1

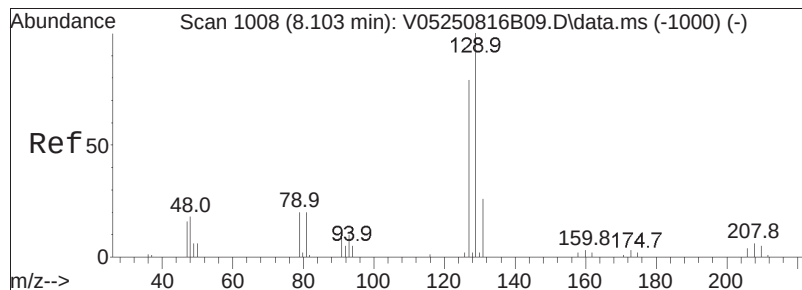




#68
 1,1,2-Trichloroethane
 Concen: 11.48 ug/L
 RT: 7.898 min Scan# 979
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

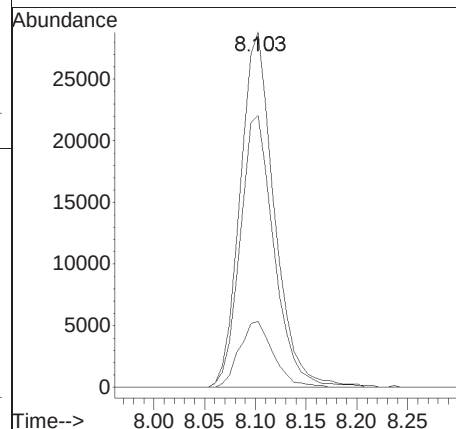
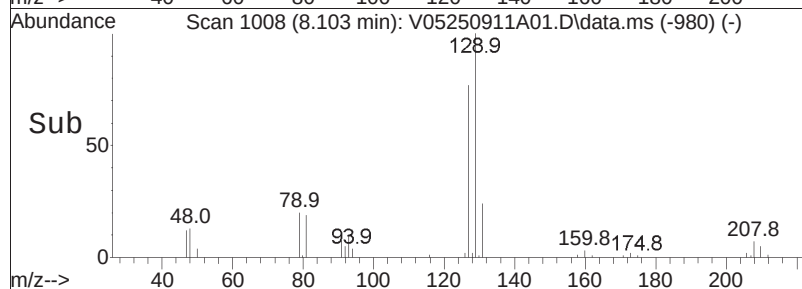
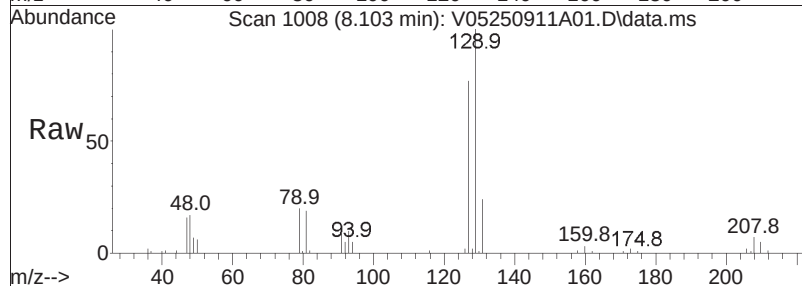
Tgt Ion:	83	Resp:	48899
Ion Ratio	Lower	Upper	
83	100		
97	113.2	98.4	138.4
85	65.9	45.6	85.6

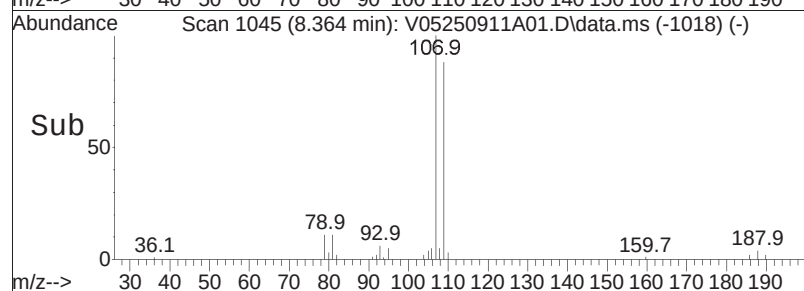
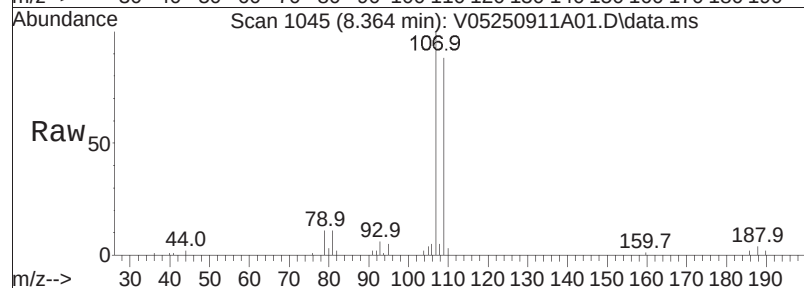
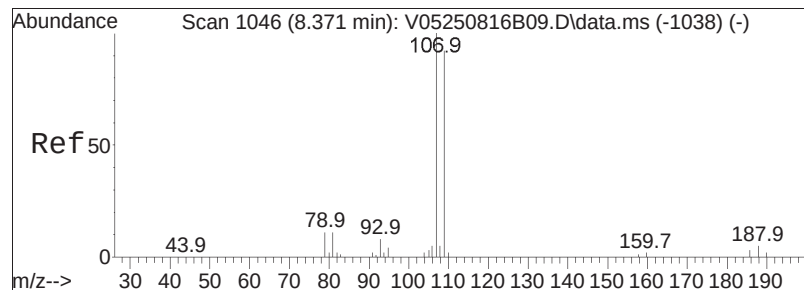




#69
 Chlorodibromomethane
 Concen: 10.09 ug/L
 RT: 8.103 min Scan# 1008
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

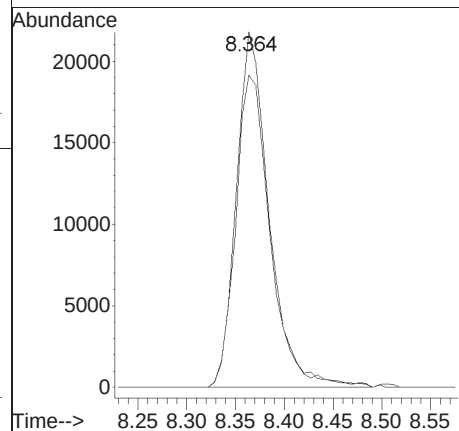
Tgt Ion	Ratio	Lower	Upper
129	100		
81	18.6	0.0	39.3
127	76.6	56.6	96.6

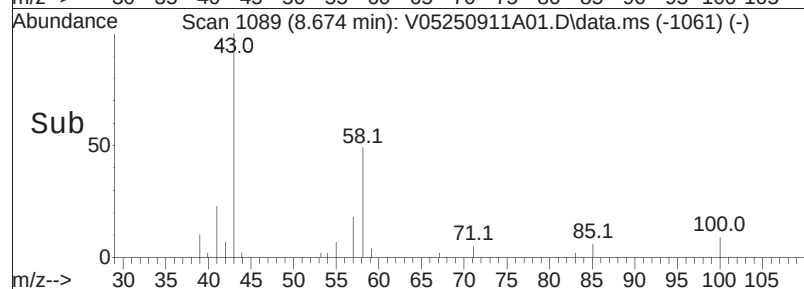
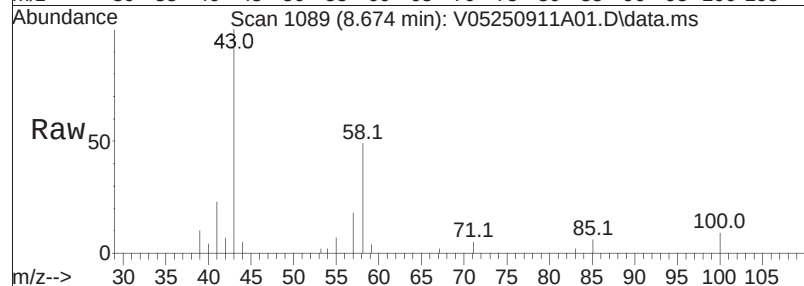
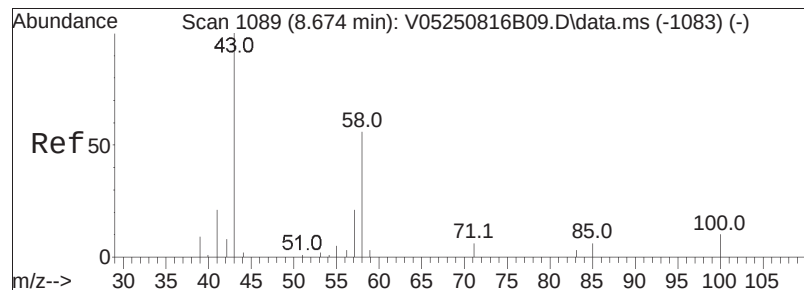




#71
 1,2-Dibromoethane
 Concen: 10.57 ug/L
 RT: 8.364 min Scan# 1045
 Delta R.T. -0.007 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.2	112.8





#72

2-Hexanone

Concen: 9.21 ug/L

RT: 8.674 min Scan# 1089

Delta R.T. 0.000 min

Lab File: V05250911A01.D

Acq: 11 Sep 2025 7:18 am

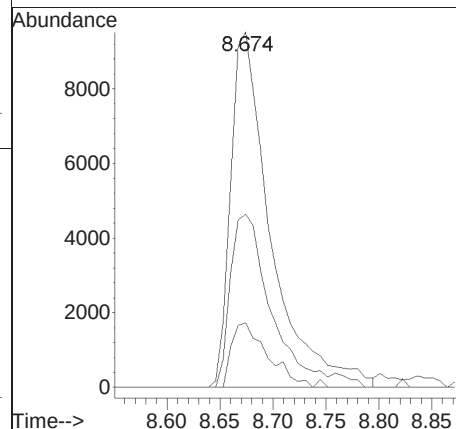
Tgt Ion: 43 Resp: 25180

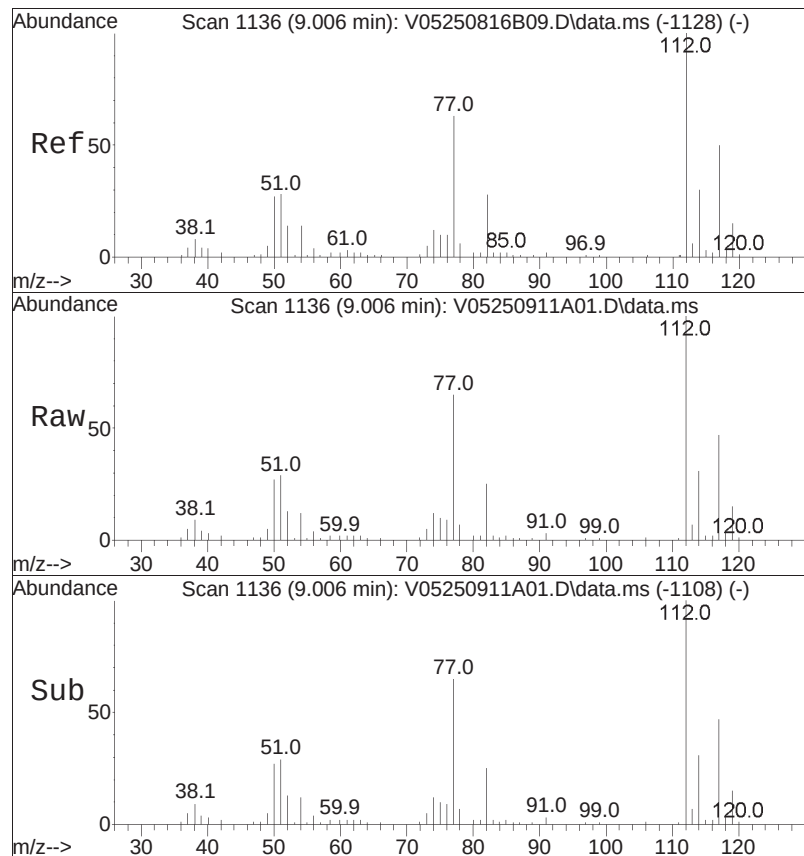
Ion Ratio Lower Upper

43 100

58 50.5 39.7 59.5

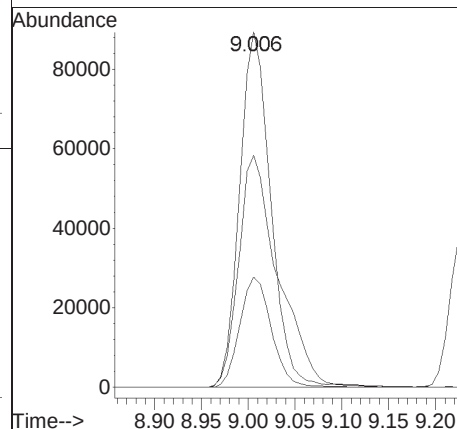
57 16.7 16.3 24.5

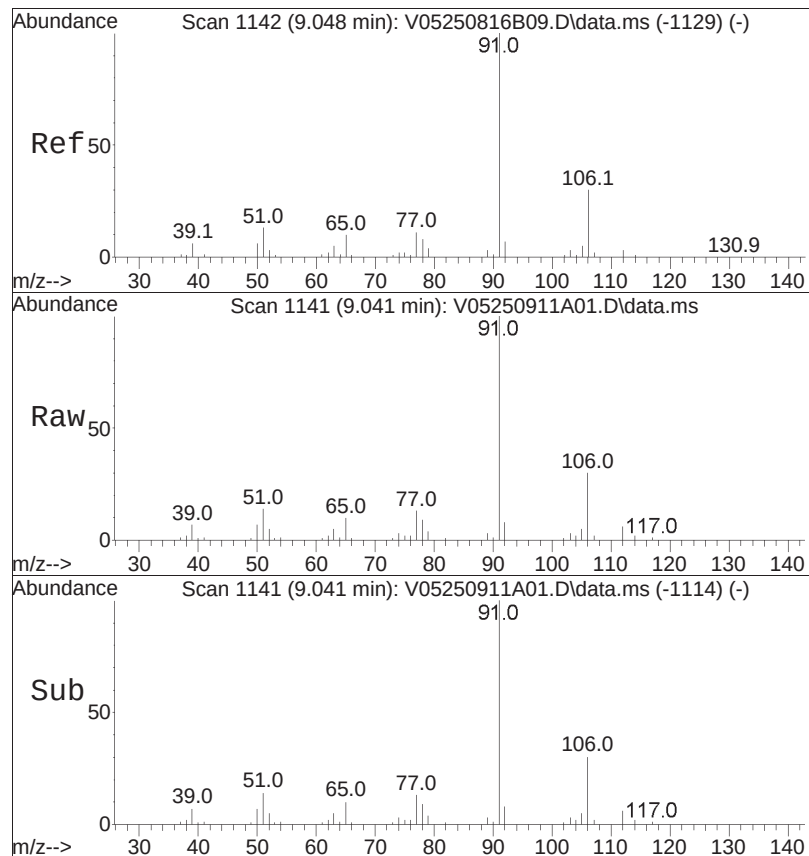




#73
 Chlorobenzene
 Concen: 11.00 ug/L
 RT: 9.006 min Scan# 1136
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

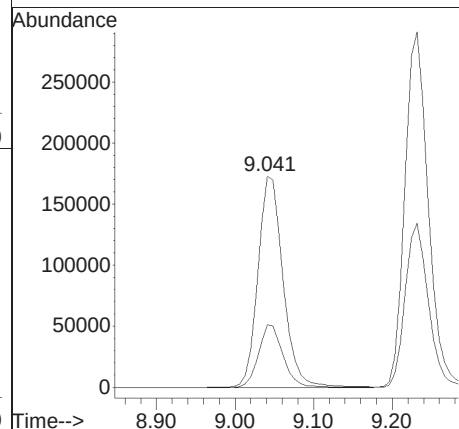
Tgt Ion	Ratio	Lower	Upper
112	100		
77	83.3	67.5	101.3
114	31.6	25.4	38.0

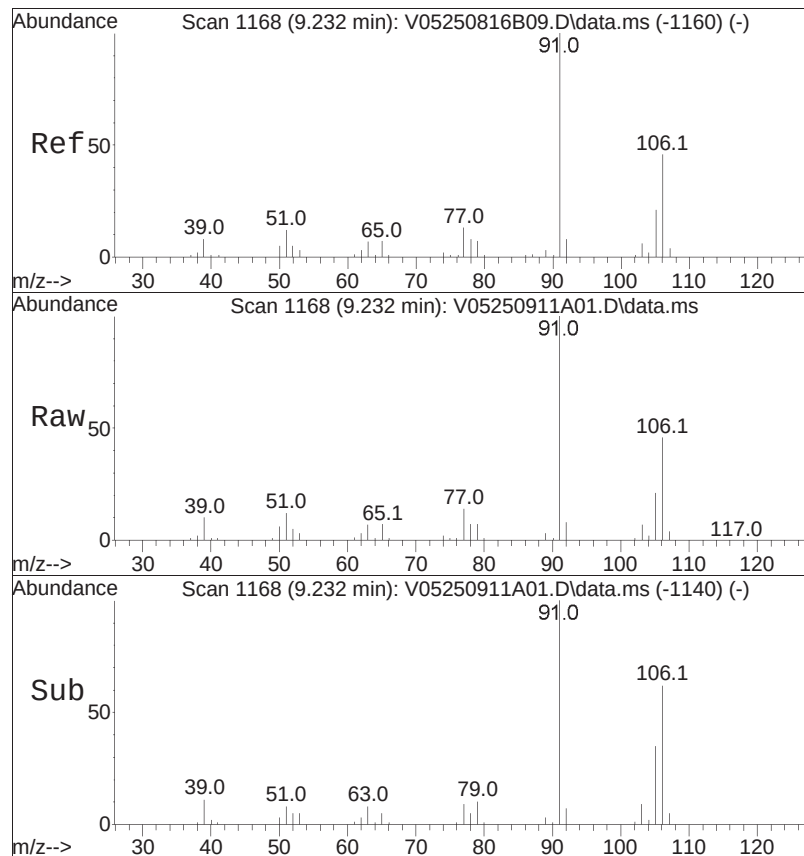




#74
 Ethylbenzene
 Concen: 10.91 ug/L
 RT: 9.041 min Scan# 1141
 Delta R.T. -0.007 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

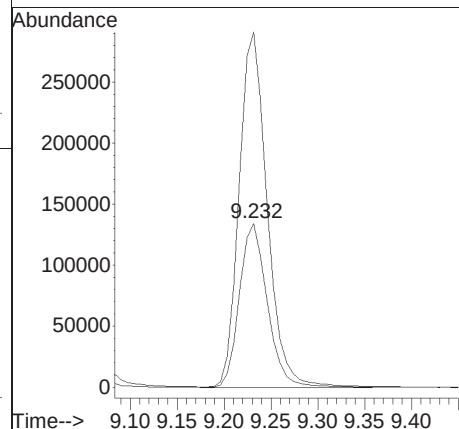
Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.4	35.0

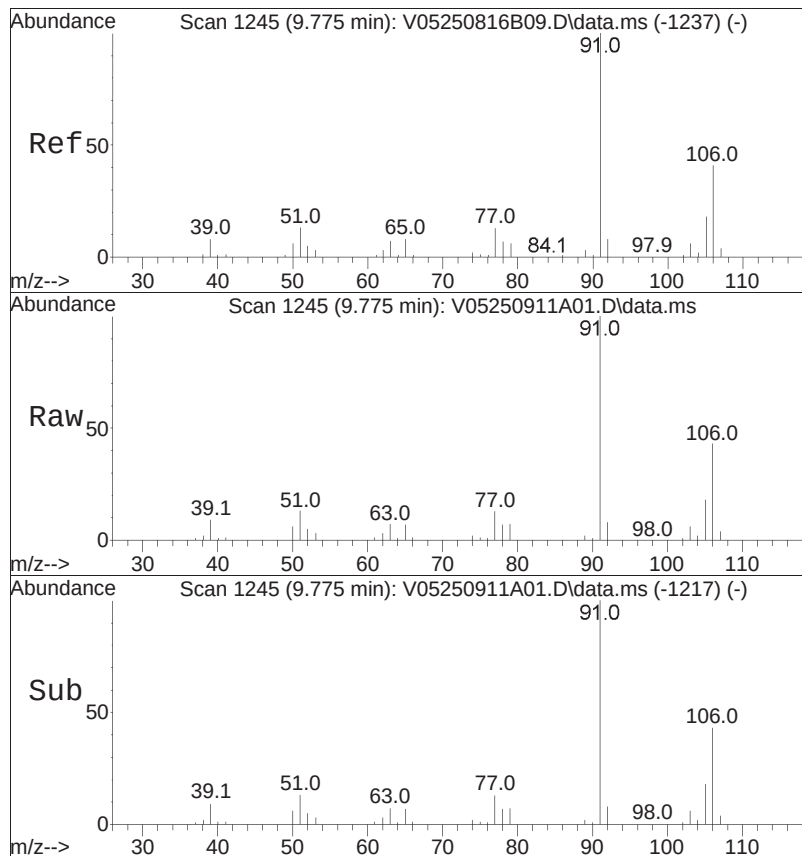




#76
 p/m Xylene
 Concen: 22.40 ug/L
 RT: 9.232 min Scan# 1168
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

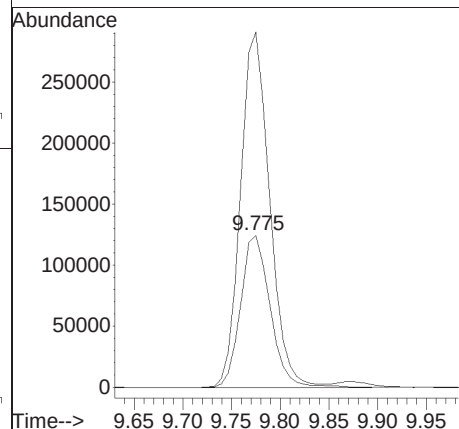
Tgt	Ion	Ratio	Lower	Upper
106	106	100		
91	216.2	176.3	264.5	

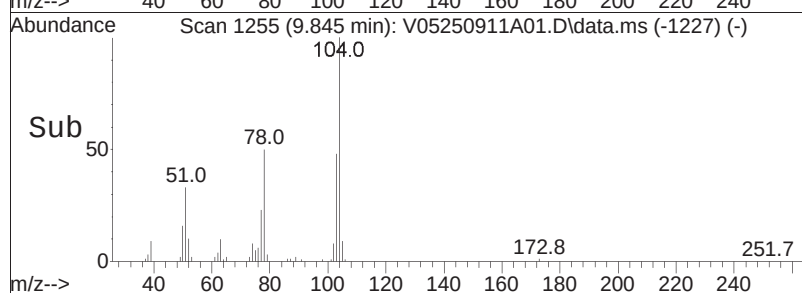
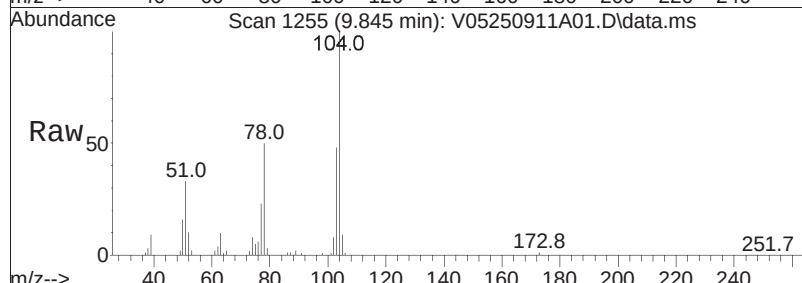
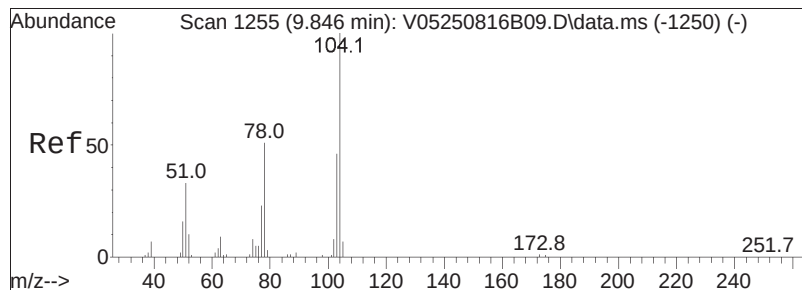




#77
 o Xylene
 Concen: 22.32 ug/L
 RT: 9.775 min Scan# 1245
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

Tgt	Ion	Ratio	Lower	Upper
106	106	100		
91	230.1	189.3	283.9	





#78

Styrene

Concen: 23.16 ug/L

RT: 9.845 min Scan# 1255

Delta R.T. -0.001 min

Lab File: V05250911A01.D

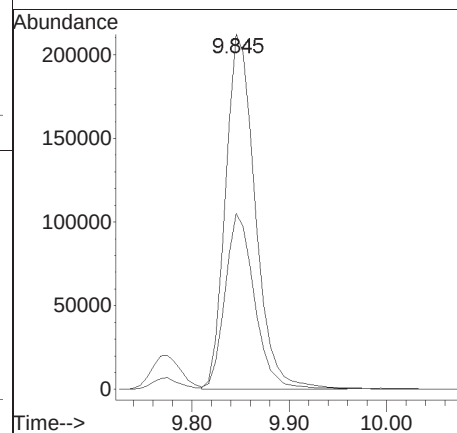
Acq: 11 Sep 2025 7:18 am

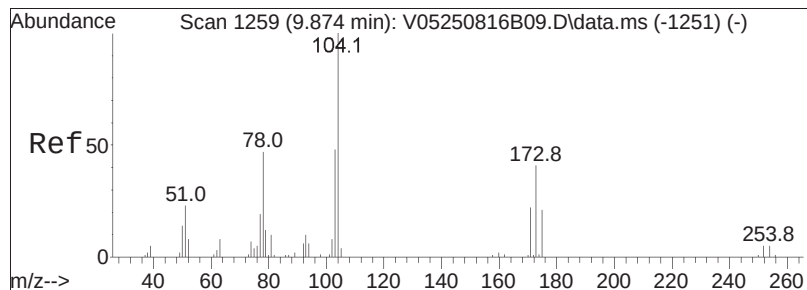
Tgt Ion:104 Resp: 449226

Ion Ratio Lower Upper

104 100

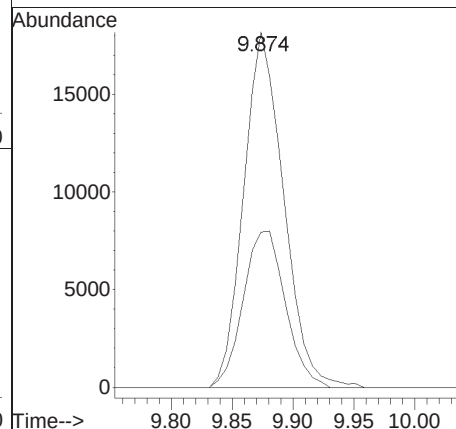
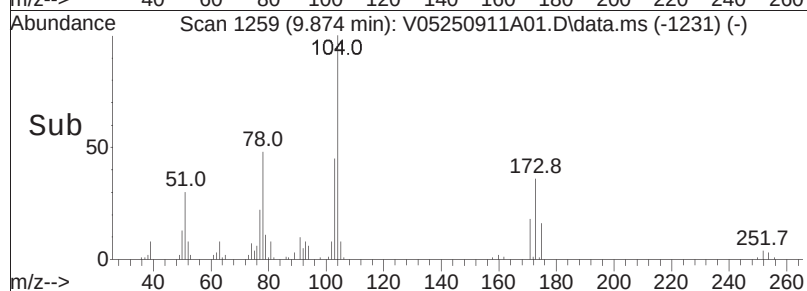
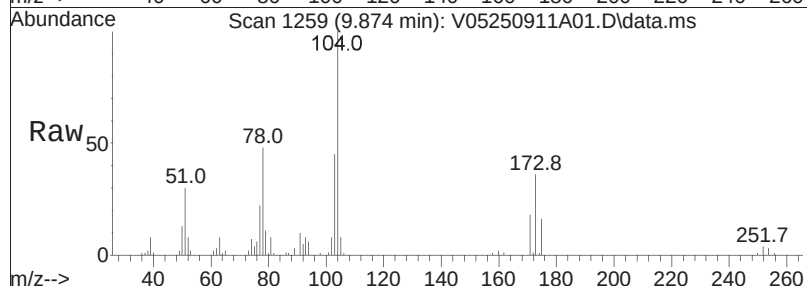
78 49.5 40.6 61.0

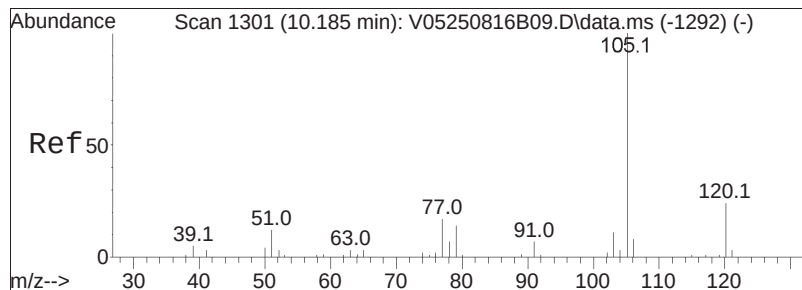




#80
 Bromoform
 Concen: 9.85 ug/L
 RT: 9.874 min Scan# 1259
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

Tgt Ion:173 Resp: 41357
 Ion Ratio Lower Upper
 173 100
 175 46.5 28.5 68.5





#82

Isopropylbenzene

Concen: 10.69 ug/L

RT: 10.184 min Scan# 1301

Delta R.T. -0.001 min

Lab File: V05250911A01.D

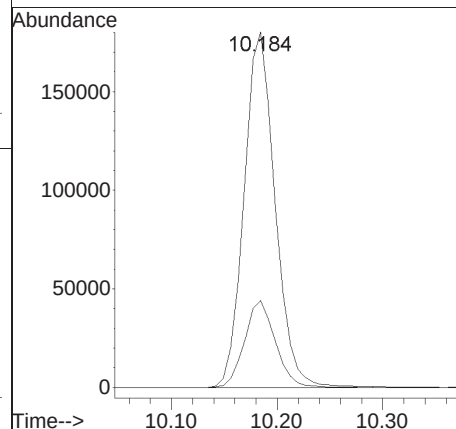
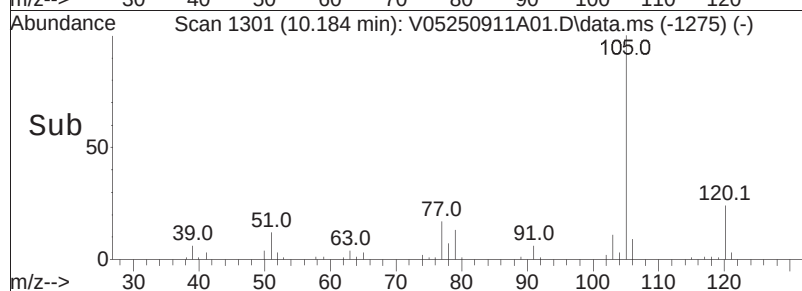
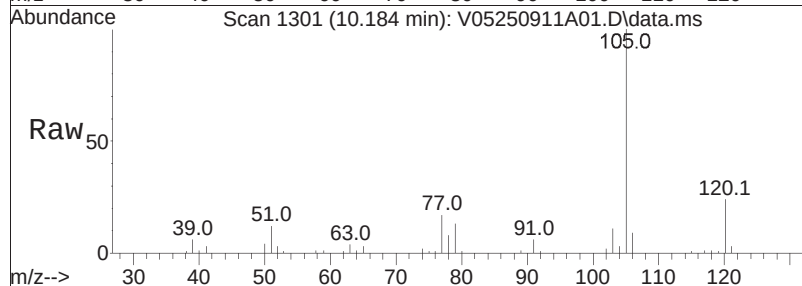
Acq: 11 Sep 2025 7:18 am

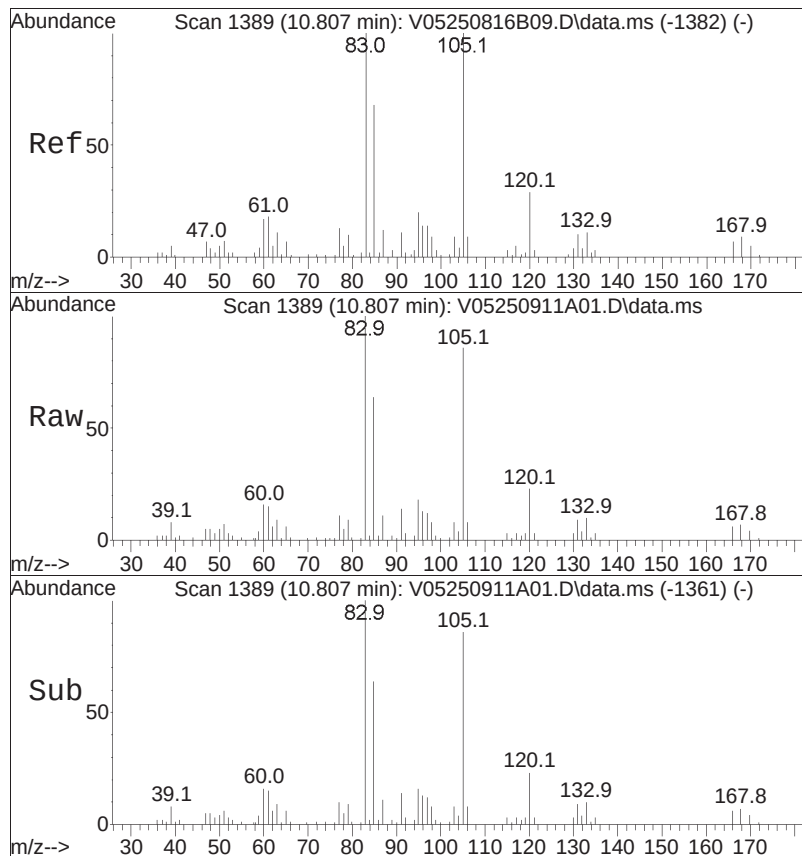
Tgt Ion:105 Resp: 366971

Ion Ratio Lower Upper

105 100

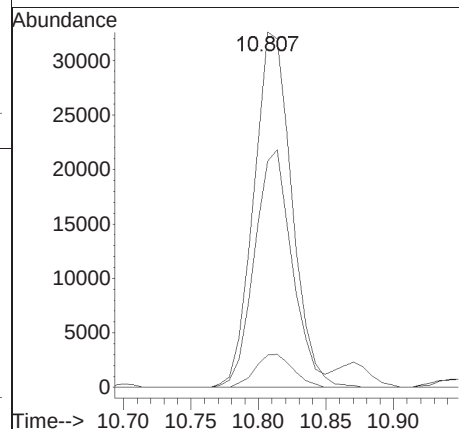
120 24.3 4.3 44.3

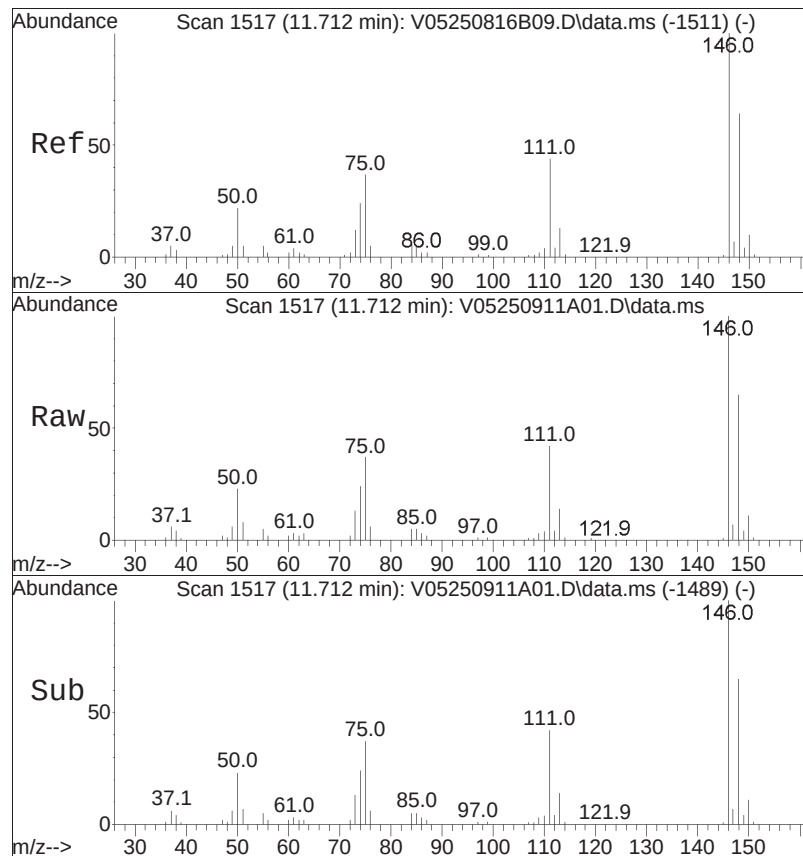




#87
 1,1,2,2-Tetrachloroethane
 Concen: 11.61 ug/L
 RT: 10.807 min Scan# 1389
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

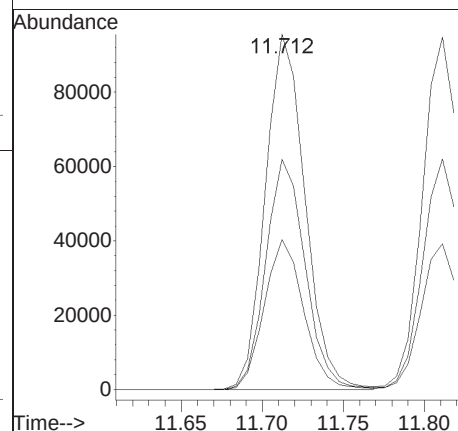
Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.3	0.0	31.1
85	66.4	47.7	87.7

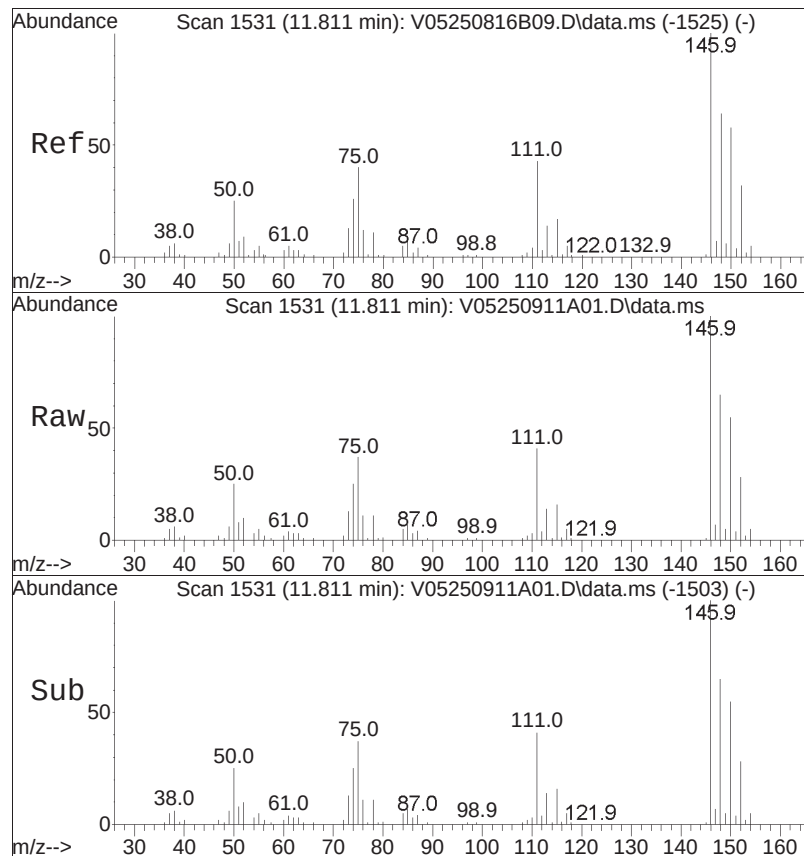




#100
 1,3-Dichlorobenzene
 Concen: 11.08 ug/L
 RT: 11.712 min Scan# 1517
 Delta R.T. 0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

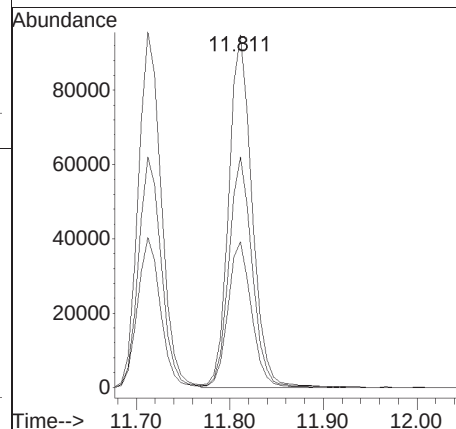
Tgt Ion:	146	Resp:	163132
Ion Ratio	Lower	Upper	
146	100		
111	41.9	28.1	58.5
148	64.2	41.5	86.1

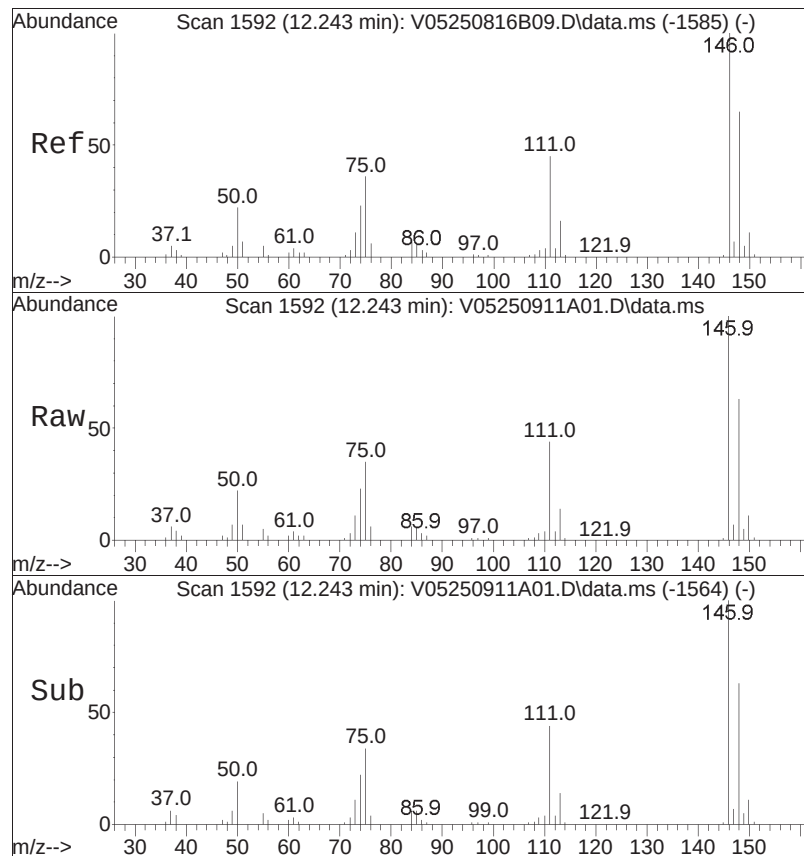




#101
 1,4-Dichlorobenzene
 Concen: 11.02 ug/L
 RT: 11.811 min Scan# 1531
 Delta R.T. 0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

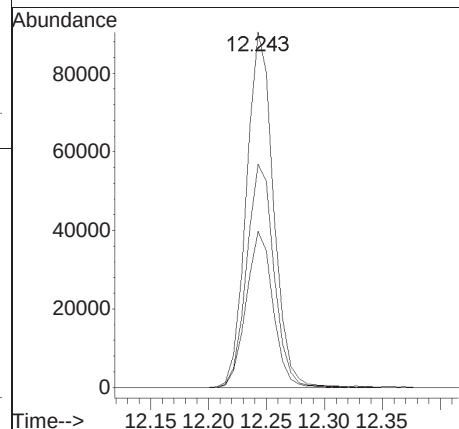
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	34.9	52.3
148	65.2	51.5	77.3

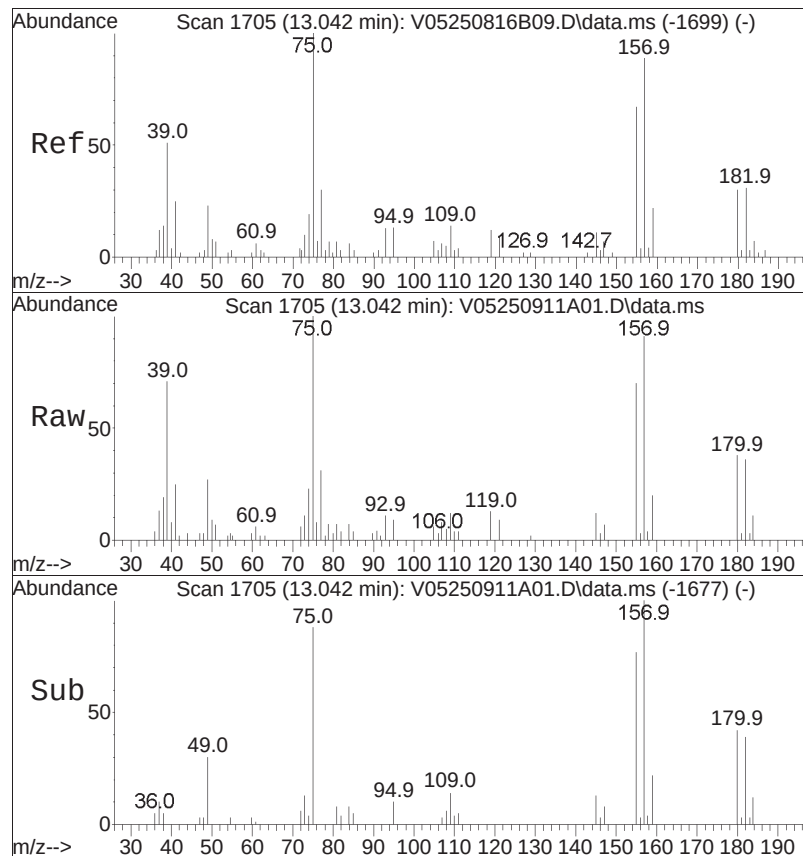




#104
 1,2-Dichlorobenzene
 Concen: 11.12 ug/L
 RT: 12.243 min Scan# 1592
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

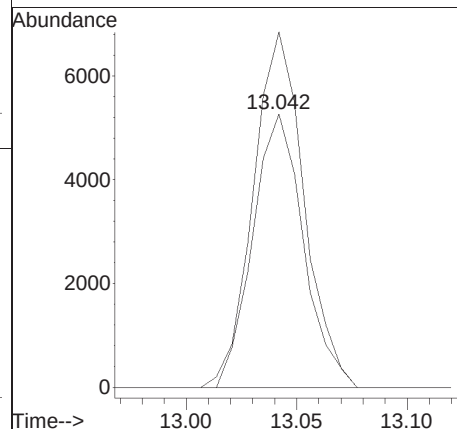
Tgt	Ion:146	Resp:	147197
Ion	Ratio	Lower	Upper
146	100		
111	43.4	29.4	61.0
148	63.4	41.0	85.2

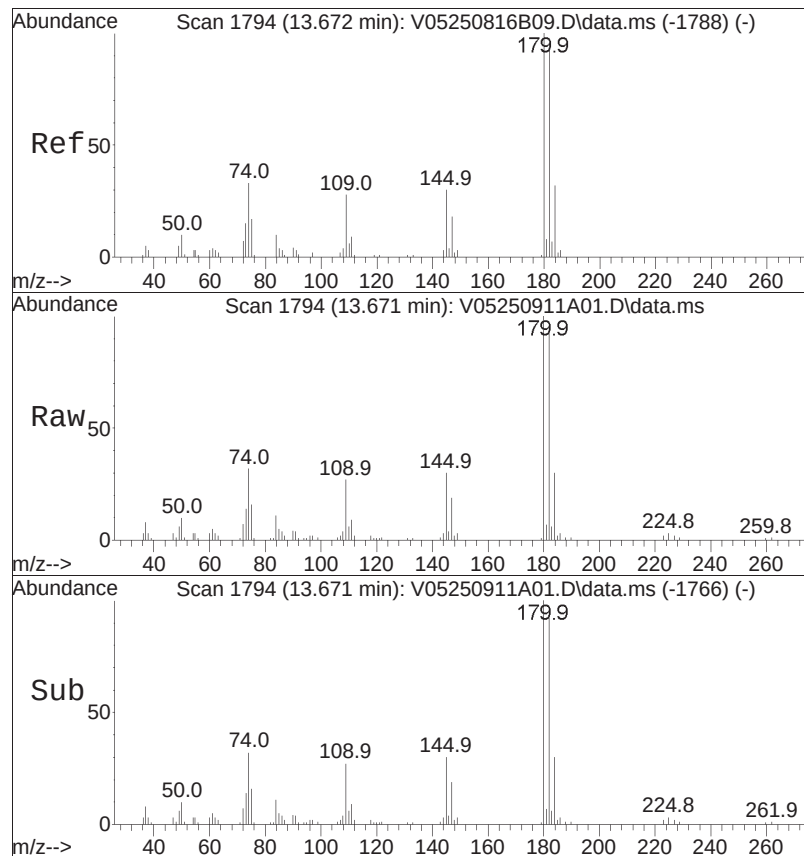




#106
 1,2-Dibromo-3-chloropropane
 Concen: 8.97 ug/L
 RT: 13.042 min Scan# 1705
 Delta R.T. -0.000 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

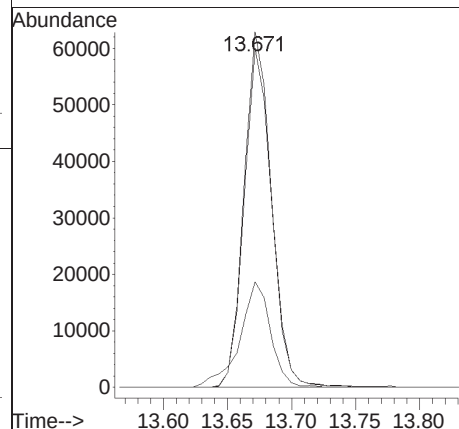
Tgt	Ion	Ratio	Lower	Upper
155	100			
157	130.2	106.2	159.4	

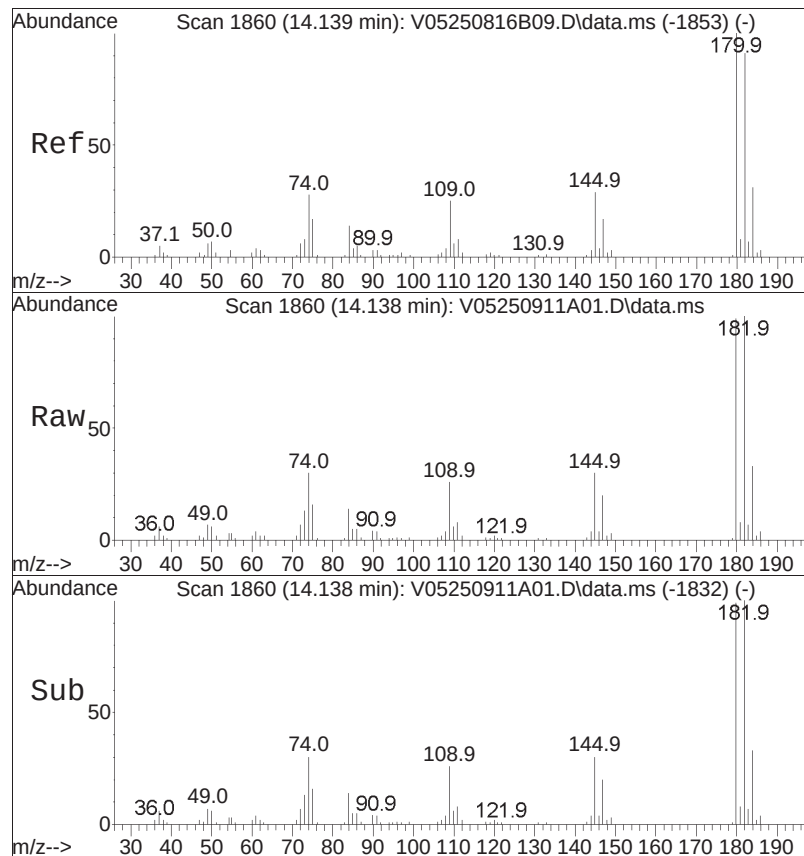




#109
 1,2,4-Trichlorobenzene
 Concen: 10.33 ug/L
 RT: 13.671 min Scan# 1794
 Delta R.T. -0.001 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

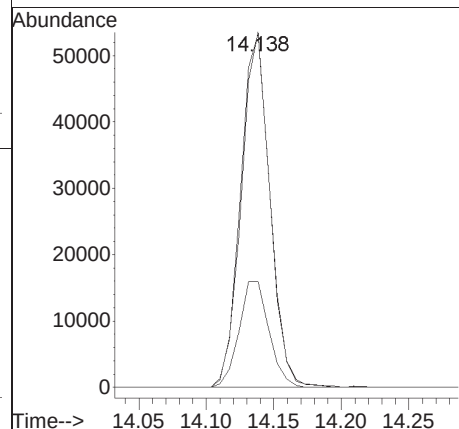
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94405		
182	95.1		75.9	113.9
145	33.3		26.4	39.6





#111
 1,2,3-Trichlorobenzene
 Concen: 10.24 ug/L
 RT: 14.138 min Scan# 1860
 Delta R.T. -0.001 min
 Lab File: V05250911A01.D
 Acq: 11 Sep 2025 7:18 am

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	74.3	111.5
145	30.7	23.8	35.8



Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N04.D
 Acq On : 10 Sep 2025 9:41 pm
 Operator : ELAINE:mjv
 Sample : WG2113365-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 11 08:04:38 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.713	96	501755	10.000	ug/L	0.00
Standard Area 1 = 485831			Recovery	=	103.28%	
63) Chlorobenzene-d5	9.219	117	363953	10.000	ug/L	0.00
Standard Area 1 = 355794			Recovery	=	102.29%	
84) 1,4-Dichlorobenzene-d4	11.981	152	196779	10.000	ug/L	0.00
Standard Area 1 = 195575			Recovery	=	100.62%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.920	113	128621	9.775	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.75%	
47) 1,2-Dichloroethane-d4	5.432	65	161923	9.427	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.27%	
64) Toluene-d8	7.385	98	499998	10.336	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.36%	
88) 4-Bromofluorobenzene	10.743	95	174724	9.030	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	90.30%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.500	85	117890	10.650	ug/L	98
3) Chloromethane	1.676	50	123579	7.872	ug/L	99
4) Vinyl chloride	1.744	62	160167	11.760	ug/L	100
5) Bromomethane	2.030	94	35104	5.905	ug/L	99
6) Chloroethane	2.138	64	94194	12.695	ug/L	96
7) Trichlorofluoromethane	2.274	101	153536	10.243	ug/L	100
10) 1,1-Dichloroethene	2.736	96	95010	10.514	ug/L	93
11) Carbon disulfide	2.763	76	295345	11.131	ug/L	99
12) Freon-113	2.768	101	92271	10.219	ug/L	98
15) Methylene chloride	3.266	84	127541	11.542	ug/L	95
17) Acetone	3.303	43	30345	11.700	ug/L	97
18) trans-1,2-Dichloroethene	3.411	96	115049	10.623	ug/L	98
19) Methyl acetate	3.420	43	59200M6	10.547	ug/L	
21) Methyl tert-butyl ether	3.506	73	271694	9.373	ug/L #	77
25) 1,1-Dichloroethane	3.977	63	275784	11.895	ug/L	98
30) cis-1,2-Dichloroethene	4.485	96	132773	10.810	ug/L	96
33) Bromochloromethane	4.675	128	59686	11.059	ug/L	93
34) Cyclohexane	4.675	56	277509	10.524	ug/L	94
35) Chloroform	4.748	83	214095	10.514	ug/L	97
37) Carbon tetrachloride	4.879	117	167718	10.565	ug/L	84

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250910A\
 Data File : VE250910N04.D
 Acq On : 10 Sep 2025 9:41 pm
 Operator : ELAINE:mjv
 Sample : WG2113365-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113365,ICAL22535 (Sig #1); WG,ICAL22535 (Sig #2)
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 11 08:04:38 2025
 Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 11 08:01:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250910A\VE250910N03.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	4.938	97	168451	9.868	ug/L	98
42)	2-Butanone	5.024	43	35888	10.505	ug/L	95
45)	Benzene	5.296	78	479255	10.662	ug/L	99
48)	1,2-Dichloroethane	5.498	62	169930	9.963	ug/L	99
51)	Methylcyclohexane	5.879	83	185393	9.504	ug/L	92
52)	Trichloroethene	5.888	95	118018	10.421	ug/L	97
55)	1,2-Dichloropropane	6.424	63	148429	11.242	ug/L	97
58)	Bromodichloromethane	6.503	83	157751	10.059	ug/L	99
62)	cis-1,3-Dichloropropene	7.187	75	181670	9.995	ug/L	95
65)	Toluene	7.446	92	281026	11.381	ug/L	99
66)	4-Methyl-2-pentanone	7.876	58	32171	10.634	ug/L	96
67)	Tetrachloroethene	7.894	166	119738	11.873	ug/L	96
69)	trans-1,3-Dichloropropene	7.929	75	142211	10.012	ug/L	98
72)	1,1,2-Trichloroethane	8.109	83	74451	11.362	ug/L	99
73)	Chlorodibromomethane	8.319	129	100748	10.192	ug/L	98
75)	1,2-Dibromoethane	8.587	107	85121	10.499	ug/L	97
77)	2-Hexanone	8.881	43	52262	10.677	ug/L	98
78)	Chlorobenzene	9.236	112	316204	11.342	ug/L	99
79)	Ethylbenzene	9.276	91	540267	10.936	ug/L	100
81)	p/m Xylene	9.464	106	414228	22.174	ug/L	99
82)	o Xylene	10.009	106	417754	22.558	ug/L	98
83)	Styrene	10.079	104	684289	22.241	ug/L	99
85)	Bromoform	10.105	173	57169	9.825	ug/L	99
87)	Isopropylbenzene	10.413	105	544553	9.863	ug/L	99
92)	1,1,2,2-Tetrachloroethane	11.003	83	97506	10.134	ug/L	100
105)	1,3-Dichlorobenzene	11.902	146	276562	11.152	ug/L	98
106)	1,4-Dichlorobenzene	11.999	146	268533	11.062	ug/L	99
109)	1,2-Dichlorobenzene	12.422	146	268876	11.407	ug/L	96
111)	1,2-Dibromo-3-chloropr...	13.215	155	15116	9.068	ug/L	96
114)	1,2,4-Trichlorobenzene	13.849	180	163295	10.974	ug/L	98
116)	1,2,3-Trichlorobenzene	14.307	180	145231	10.914	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

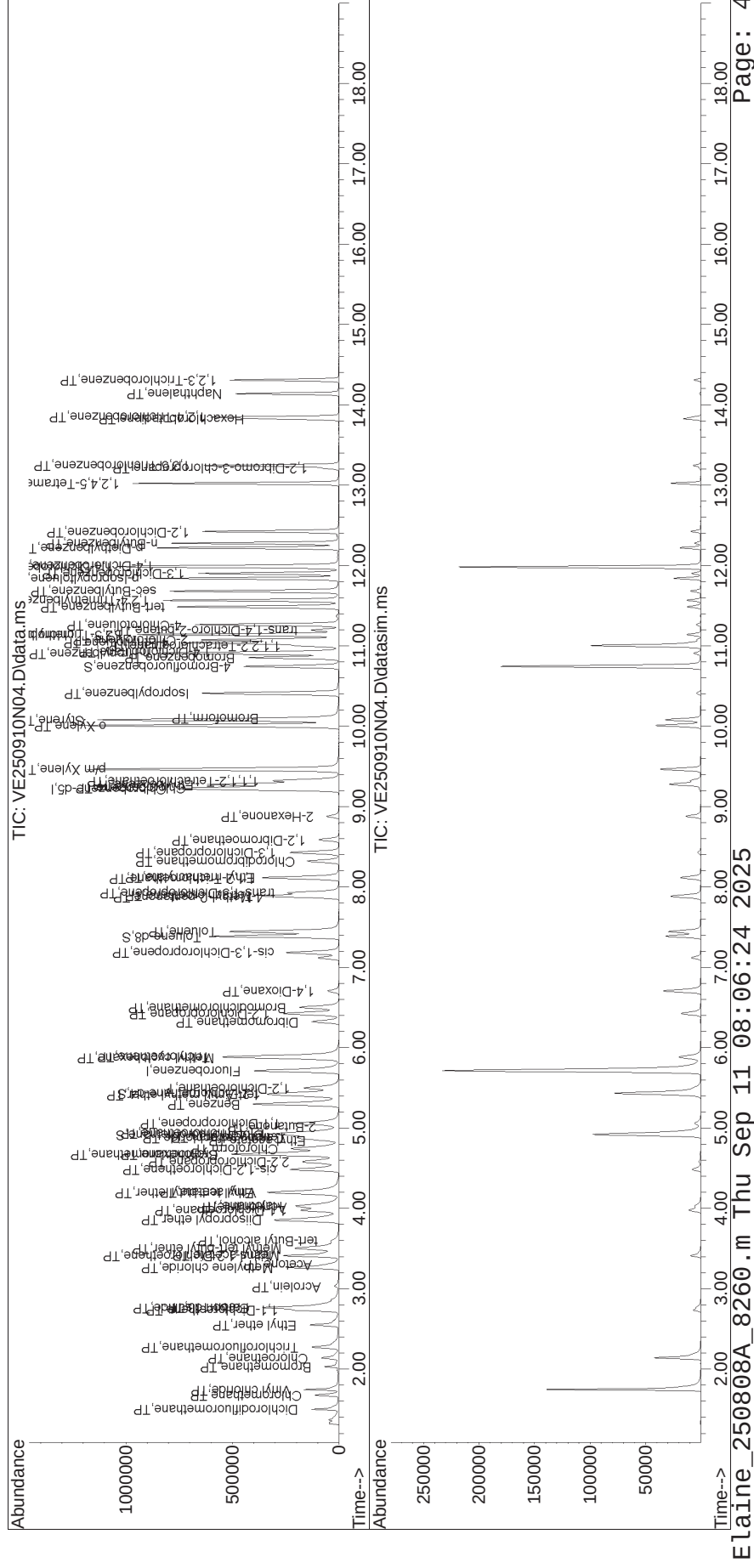
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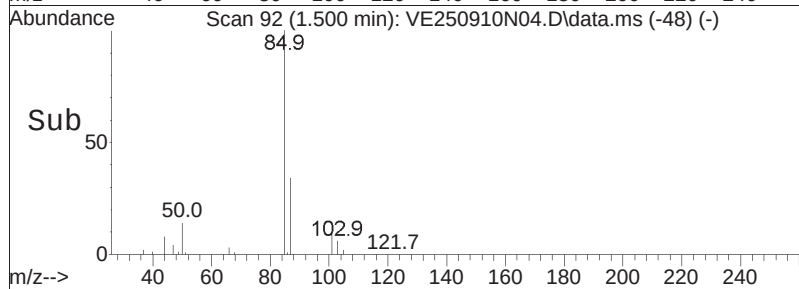
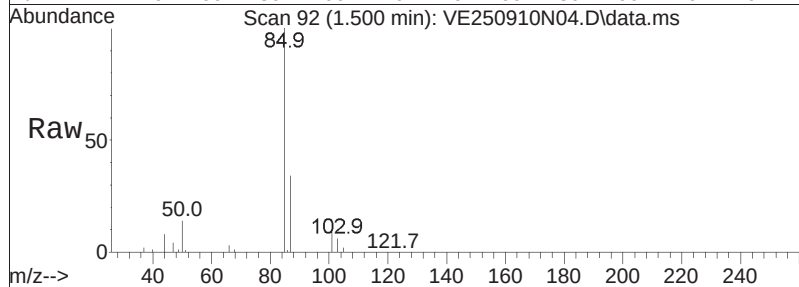
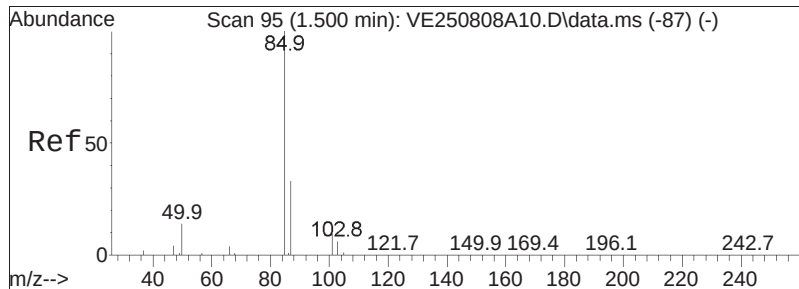
Data Path      : K:\Elaine\2025\250910A\
Data File     : VE250910N04.D
Acq On        : 10 Sep 2025   9:41 pm
Operator      : ELAINE:mjv
Sample        : WG2113365-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc          : WG2113365, ICAL22535 (Sig #1); WG, ICAL22535 (Sig #2)
ALS Vial      : 37 Sample Multiplier: 1

```

Quant Time: Sep 11 08:04:38 2025
Quant Method : K:\Elaine\2025\250910A\Elaine_250808A_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Mon Aug 11 08:01:29 2025
Response via : Initial Calibration

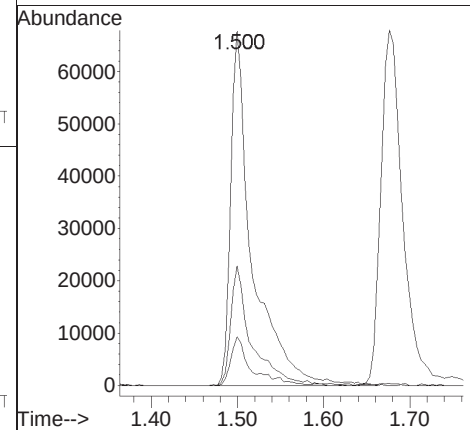
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

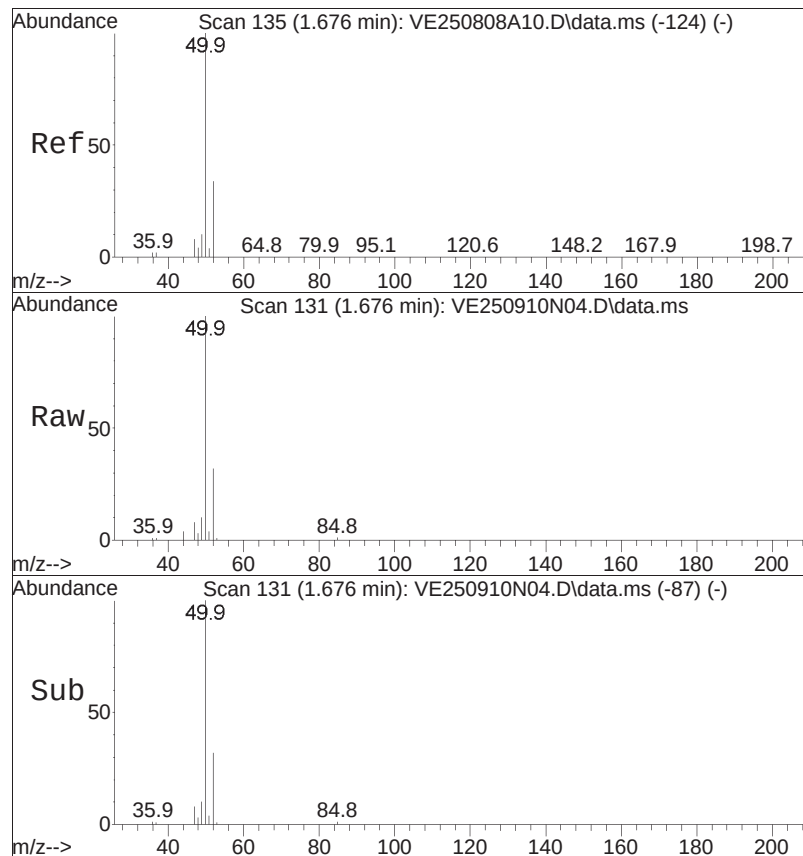




#2
 Dichlorodifluoromethane
 Concen: 10.65 ug/L
 RT: 1.500 min Scan# 92
 Delta R.T. -0.000 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

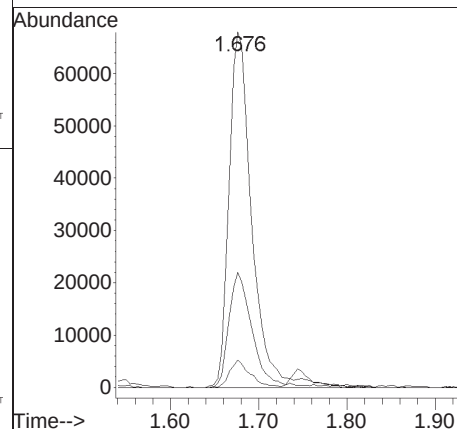
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	117890		
87	32.7	20.9	43.5	
50	13.2	9.6	19.8	

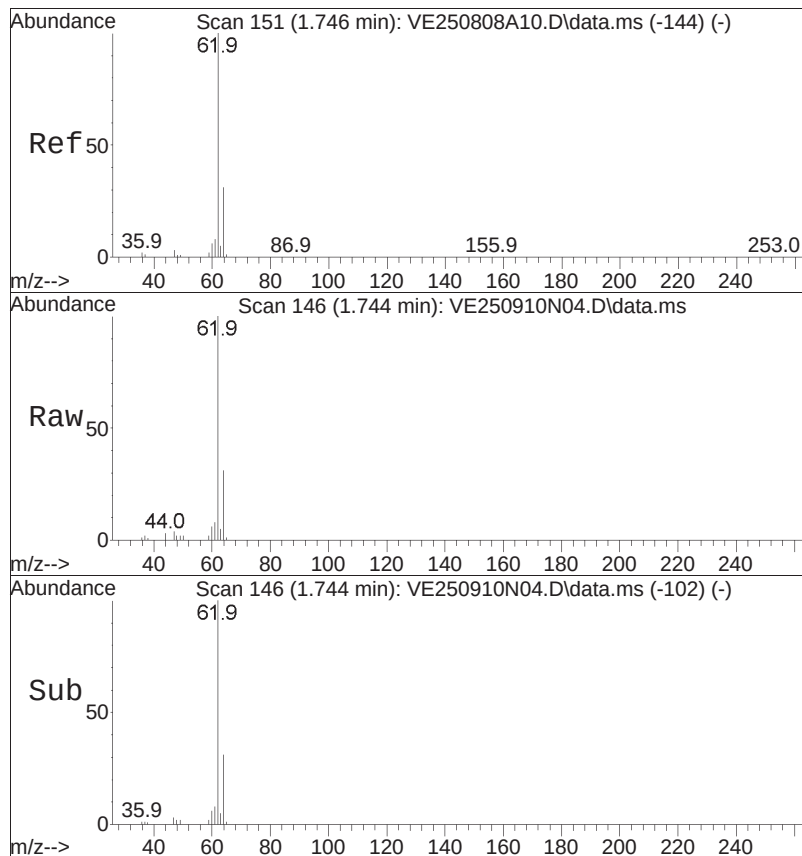




#3
 Chloromethane
 Concen: 7.87 ug/L
 RT: 1.676 min Scan# 131
 Delta R.T. 0.000 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

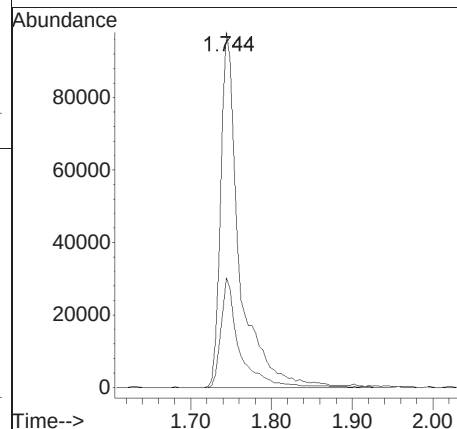
Tgt	Ion: 50	Resp:	123579
Ion	Ratio	Lower	Upper
50	100		
52	33.1	12.8	52.8
47	6.9	0.0	27.7

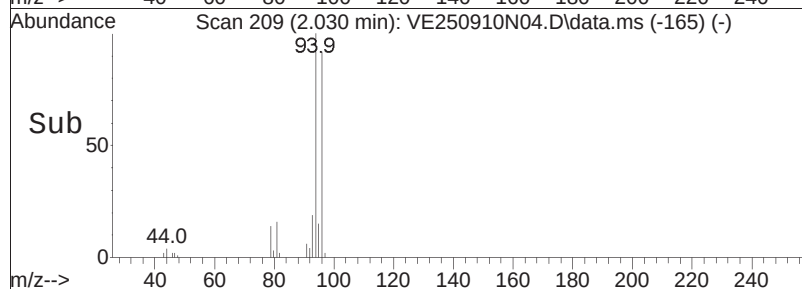
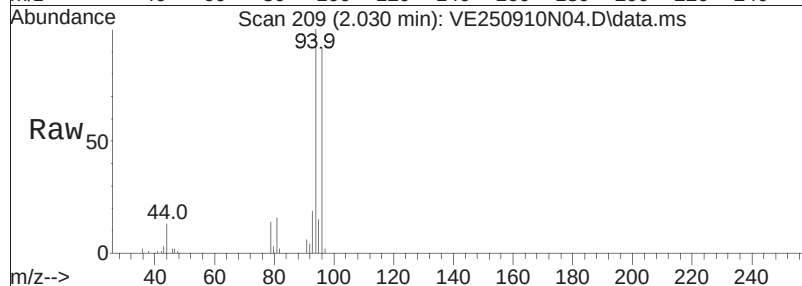
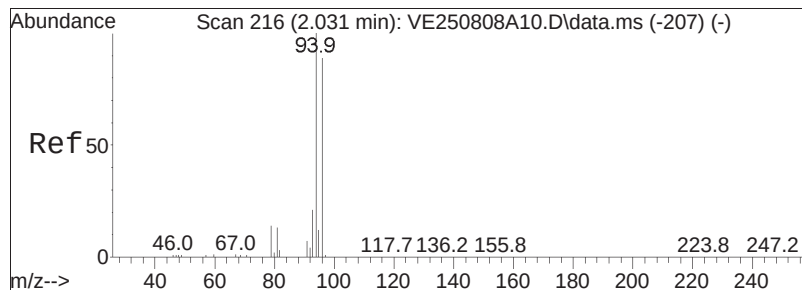




#4
 Vinyl chloride
 Concen: 11.76 ug/L
 RT: 1.744 min Scan# 146
 Delta R.T. -0.002 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

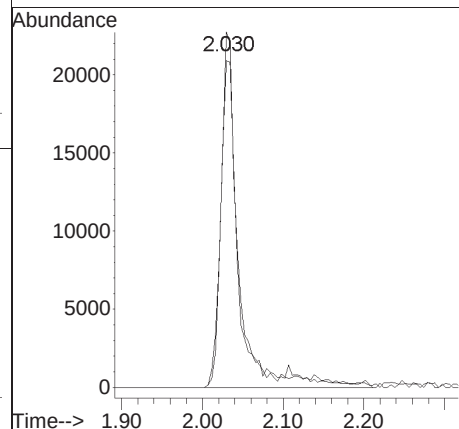
Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.0	10.2	50.2

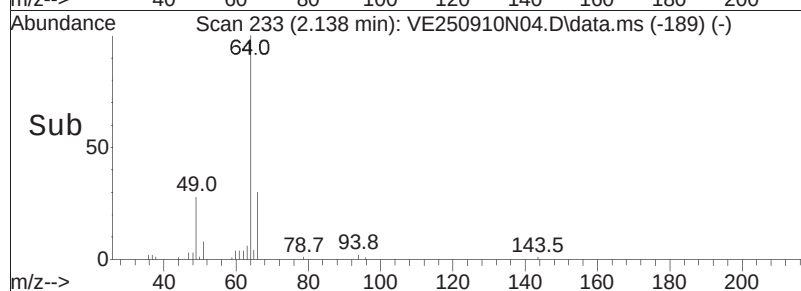
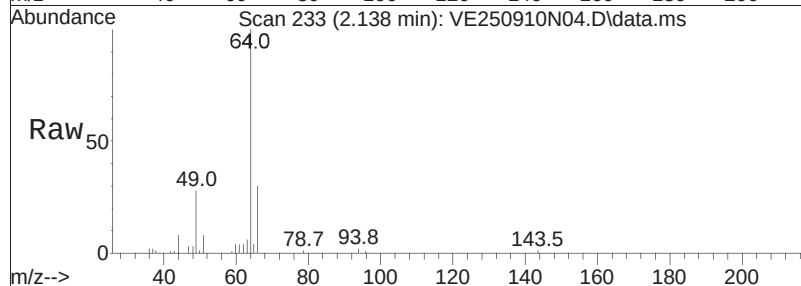
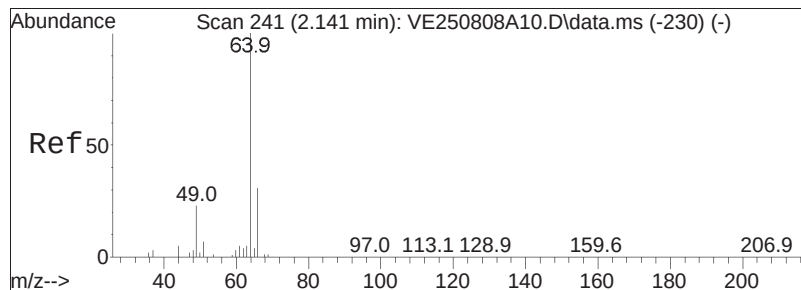




#5
 Bromomethane
 Concen: 5.91 ug/L
 RT: 2.030 min Scan# 209
 Delta R.T. -0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

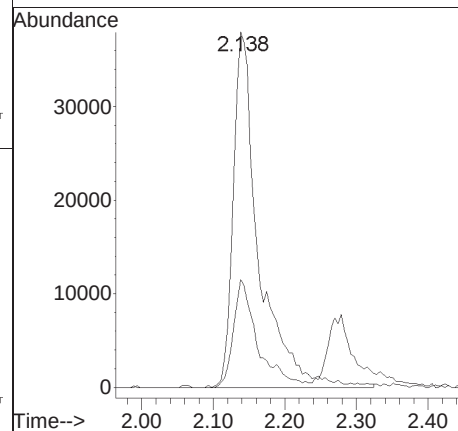
Tgt Ion	Ratio	Lower	Upper
94	100		
96	92.5	71.7	111.7

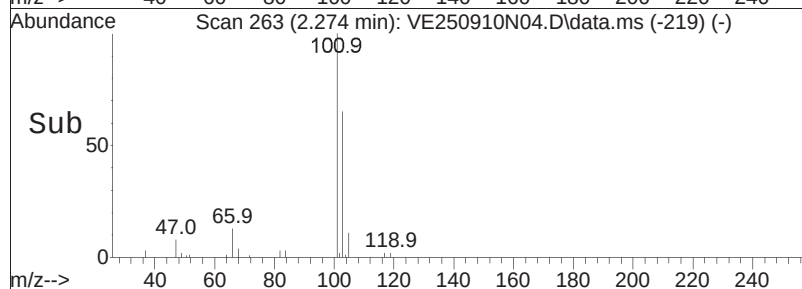
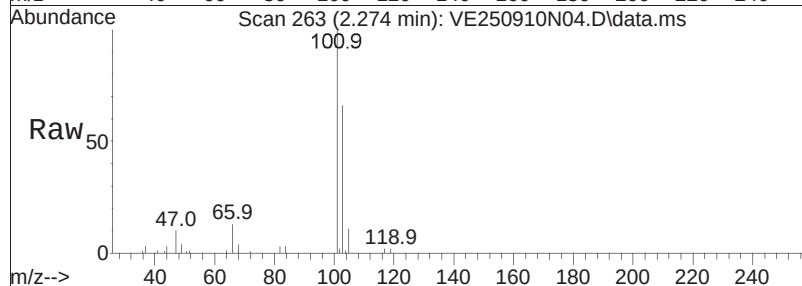
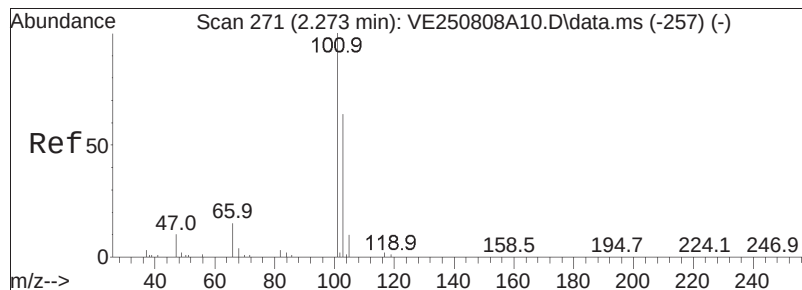




#6
 Chloroethane
 Concen: 12.69 ug/L
 RT: 2.138 min Scan# 233
 Delta R.T. -0.003 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

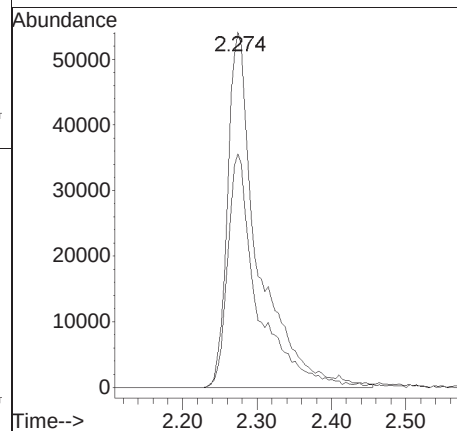
Tgt Ion	Ratio	Lower	Upper
64	100		
66	29.1	11.5	51.5

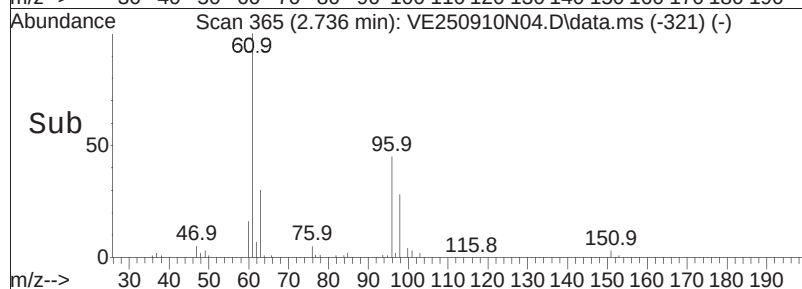
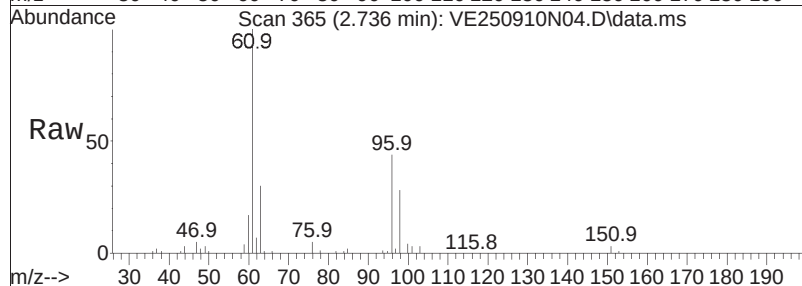
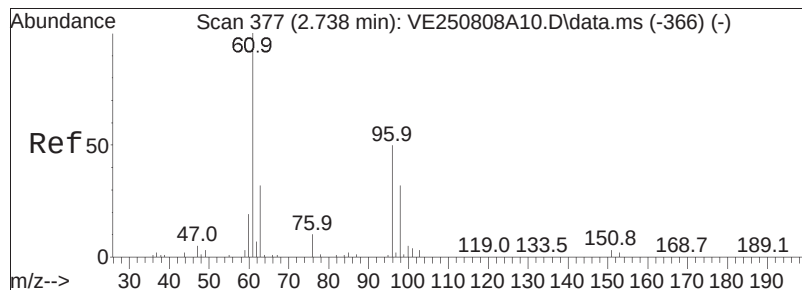




#7
 Trichlorofluoromethane
 Concen: 10.24 ug/L
 RT: 2.274 min Scan# 263
 Delta R.T. 0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

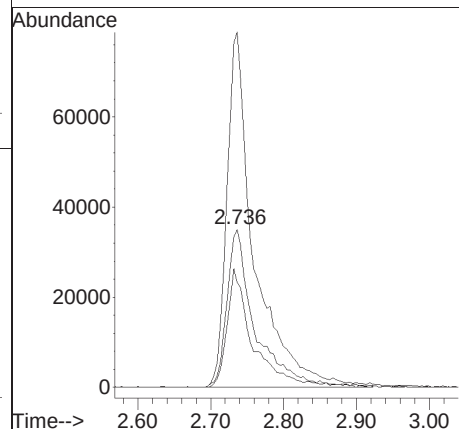
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

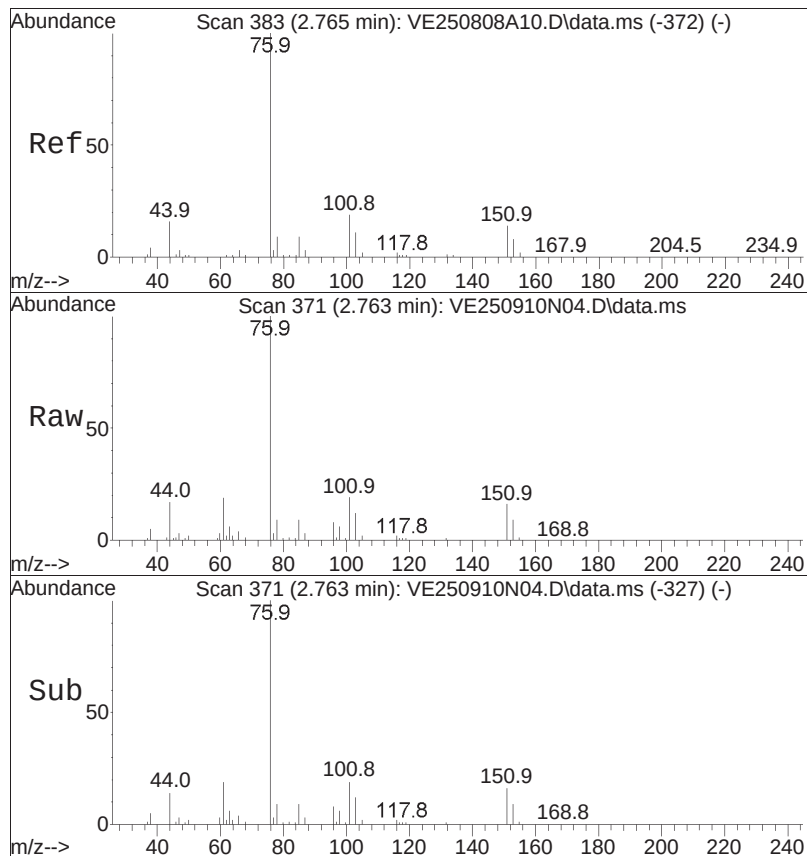




#10
 1,1-Dichloroethene
 Concen: 10.51 ug/L
 RT: 2.736 min Scan# 365
 Delta R.T. -0.002 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

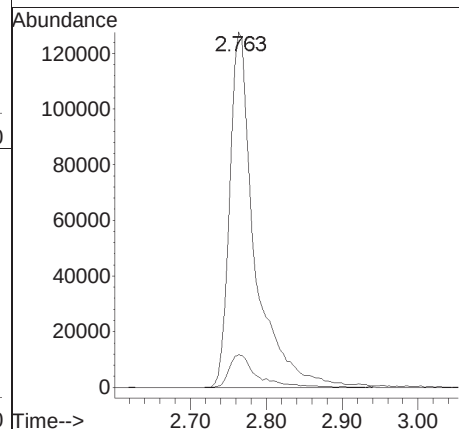
Tgt Ion:	96	Resp:	95010
Ion Ratio	Lower	Upper	
96	100		
61	217.2	164.0	246.0
63	68.8	51.8	77.8

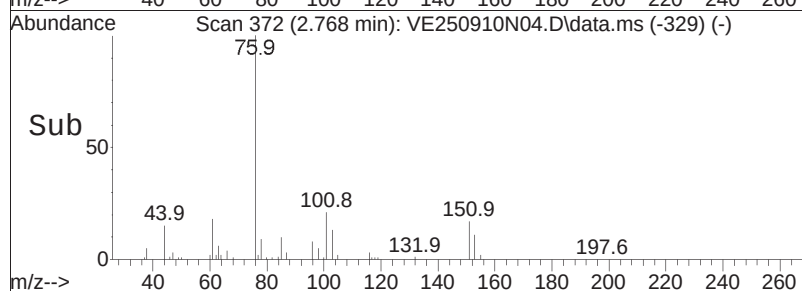
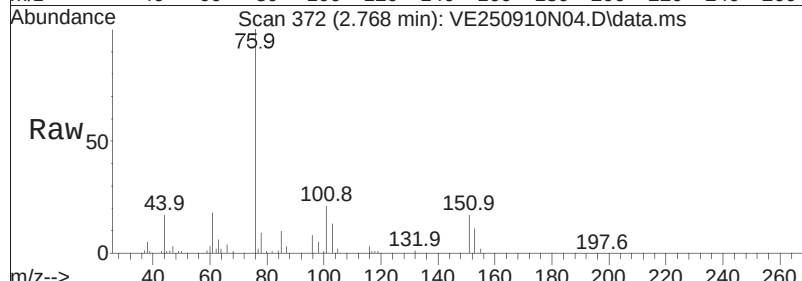
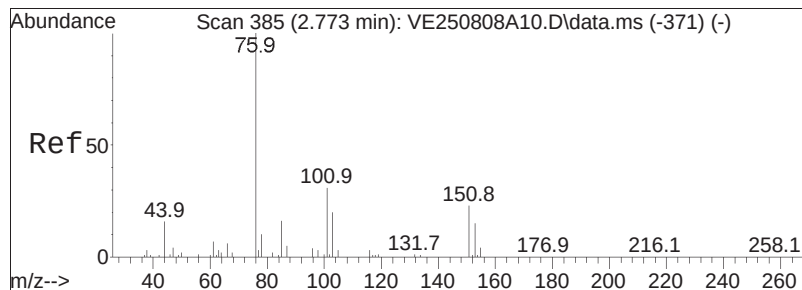




#11
 Carbon disulfide
 Concen: 11.13 ug/L
 RT: 2.763 min Scan# 371
 Delta R.T. -0.002 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.9	14.3





#12

Freon-113

Concen: 10.22 ug/L

RT: 2.768 min Scan# 372

Delta R.T. -0.005 min

Lab File: VE250910N04.D

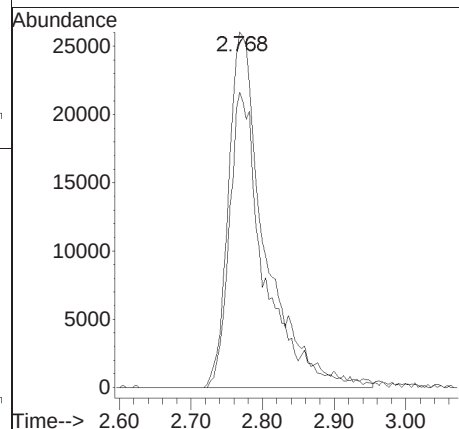
Acq: 10 Sep 2025 9:41 pm

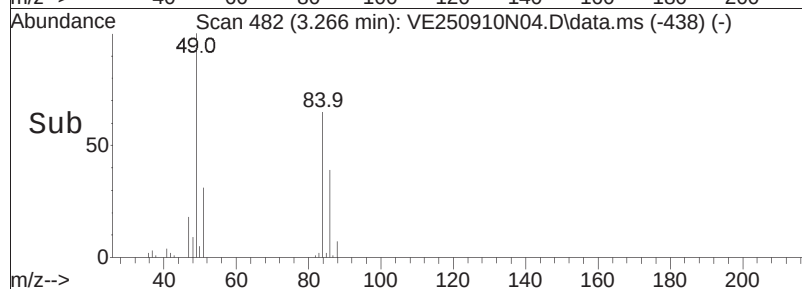
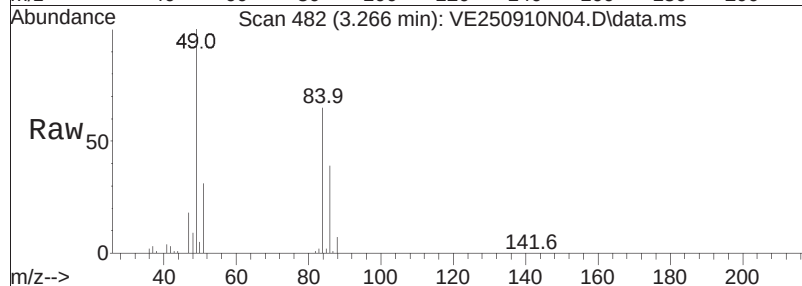
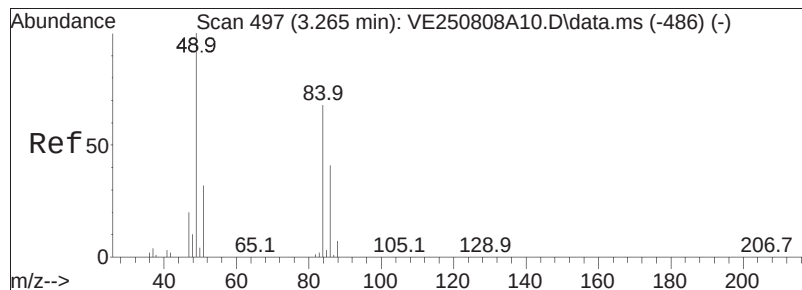
Tgt Ion:101 Resp: 92271

Ion Ratio Lower Upper

101 100

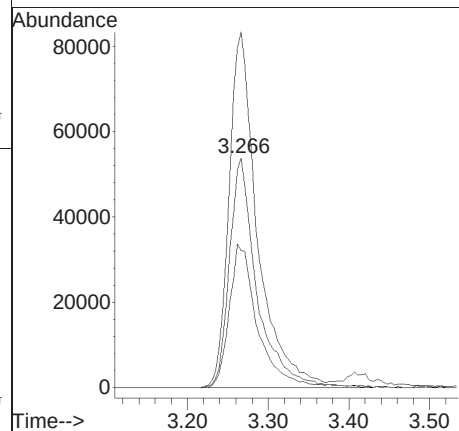
151 79.9 62.7 94.1

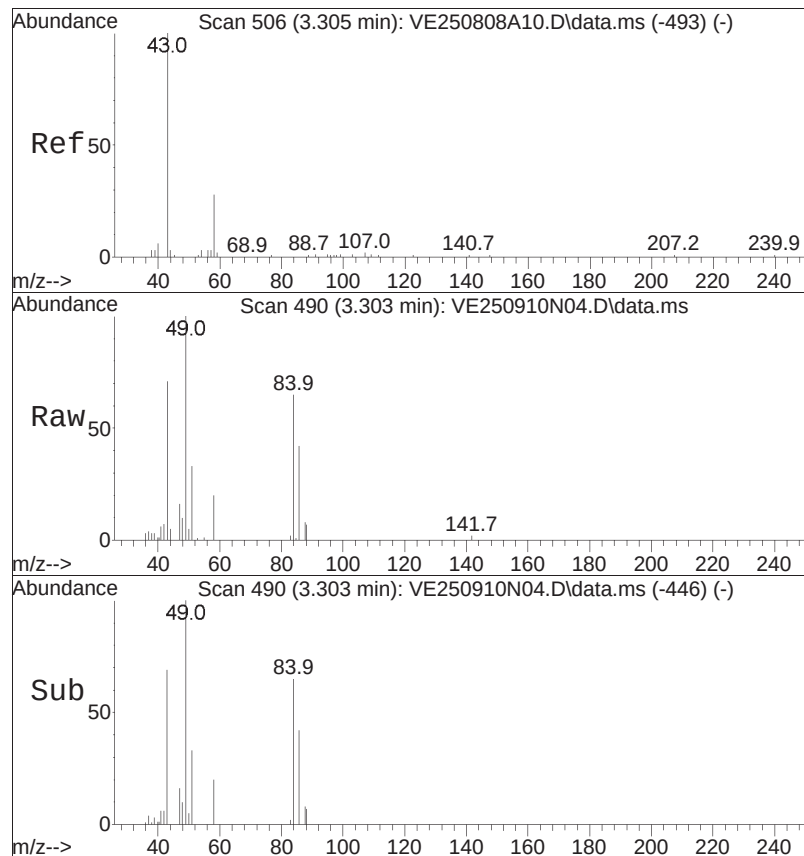




#15
Methylene chloride
Concen: 11.54 ug/L
RT: 3.266 min Scan# 482
Delta R.T. 0.001 min
Lab File: VE250910N04.D
Acq: 10 Sep 2025 9:41 pm

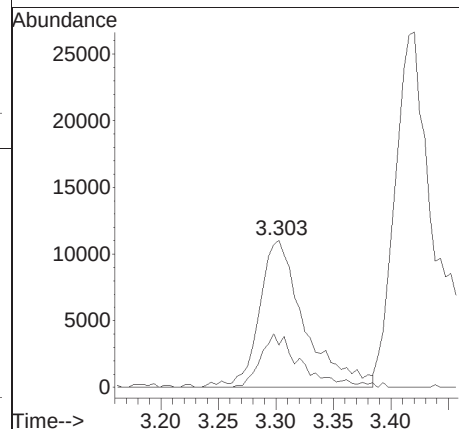
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	64.4	40.4	84.0	
49	161.3	100.2	208.2	

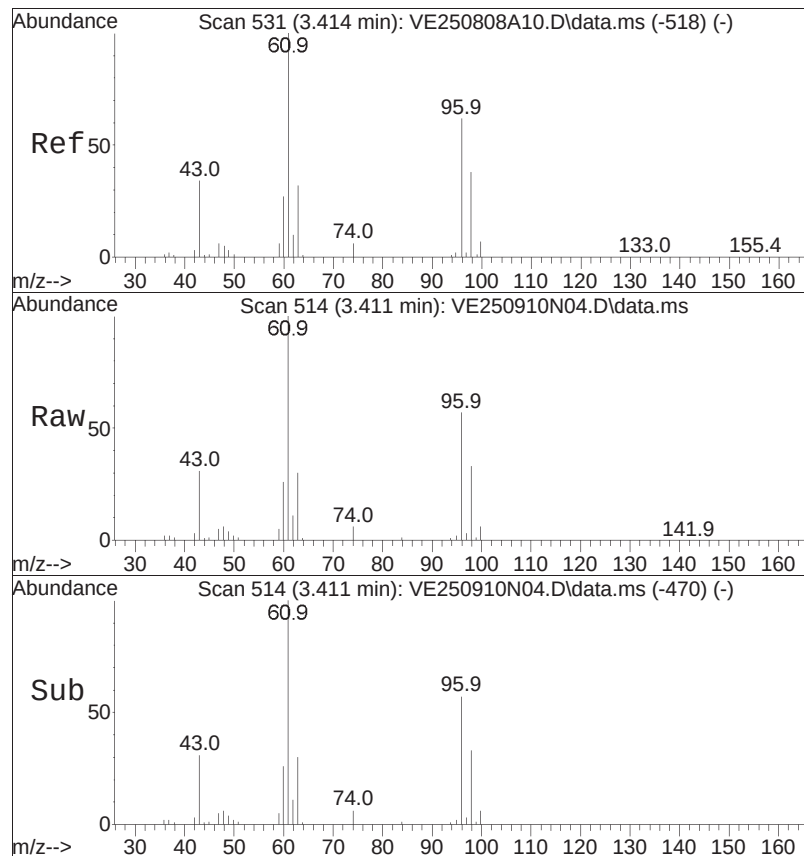




#17
 Acetone
 Concen: 11.70 ug/L
 RT: 3.303 min Scan# 490
 Delta R.T. -0.002 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

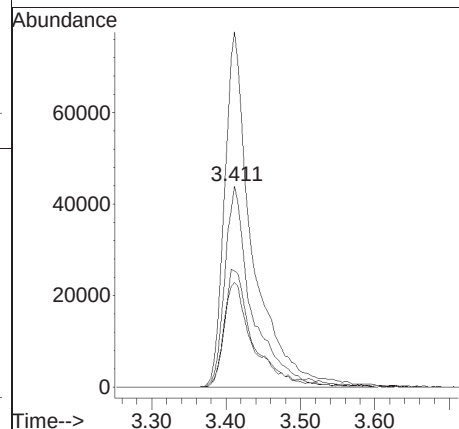
Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.7	41.5

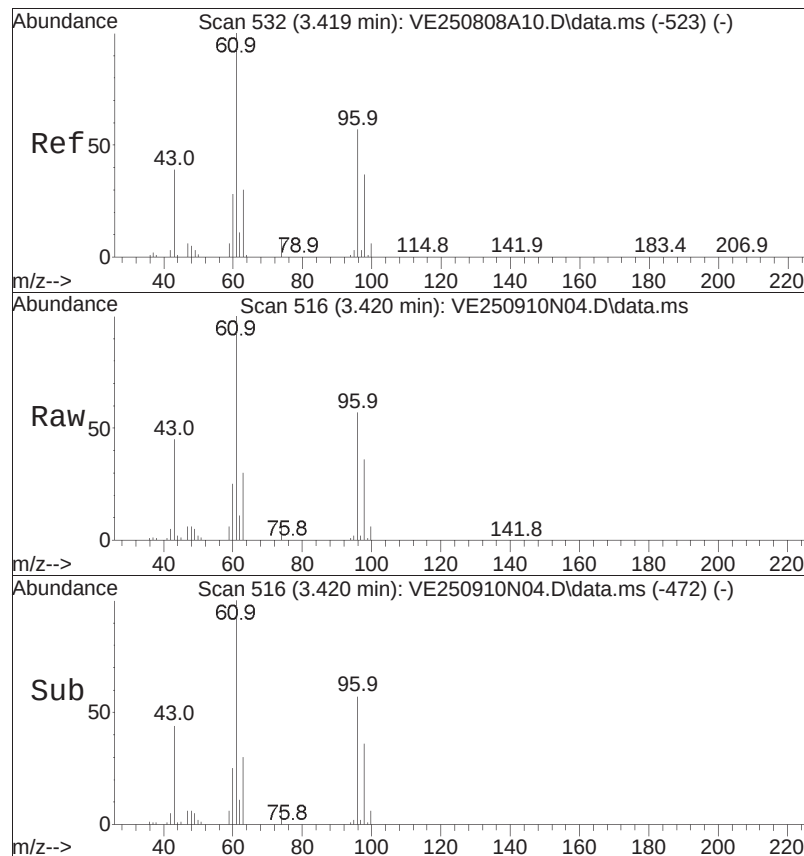




#18
 trans-1,2-Dichloroethene
 Concen: 10.62 ug/L
 RT: 3.411 min Scan# 514
 Delta R.T. -0.003 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

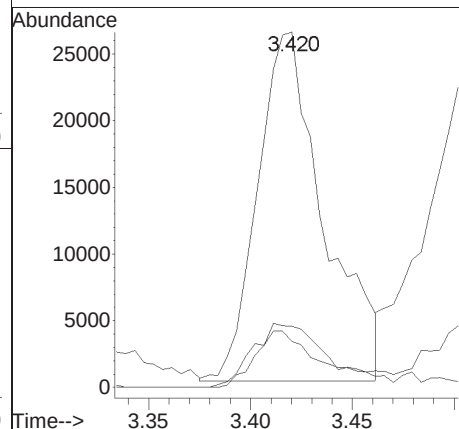
Tgt Ion:	96	Resp:	115049
Ion Ratio	Lower	Upper	
96	100		
61	177.3	113.1	234.9
98	62.3	41.7	86.7
63	56.4	35.4	73.4

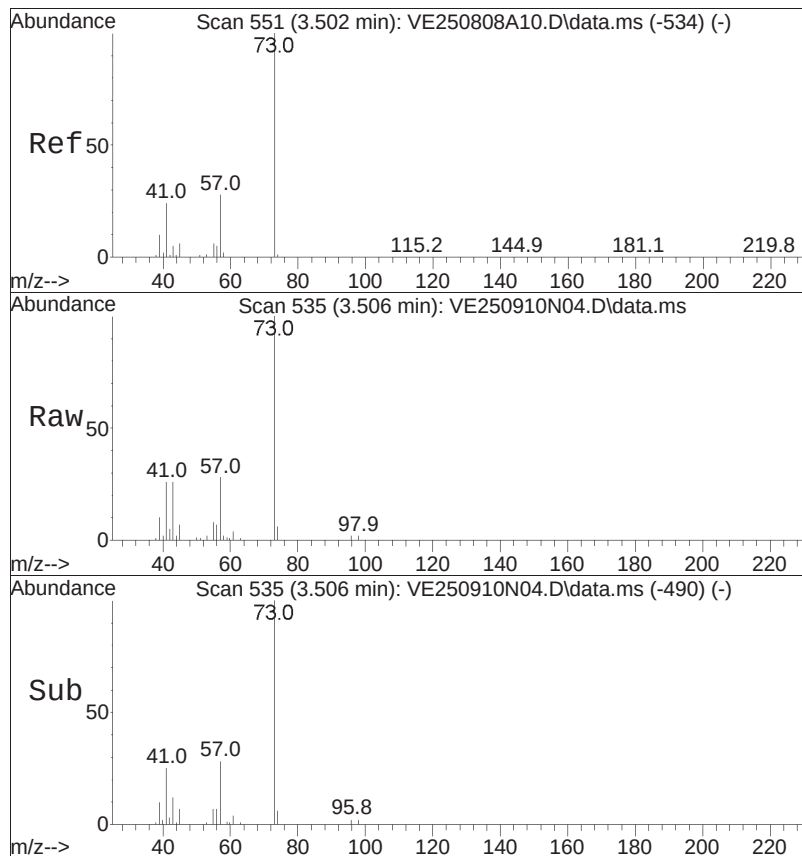




#19
Methyl acetate
Concen: 10.55 ug/L M6
RT: 3.420 min Scan# 516
Delta R.T. 0.001 min
Lab File: VE250910N04.D
Acq: 10 Sep 2025 9:41 pm

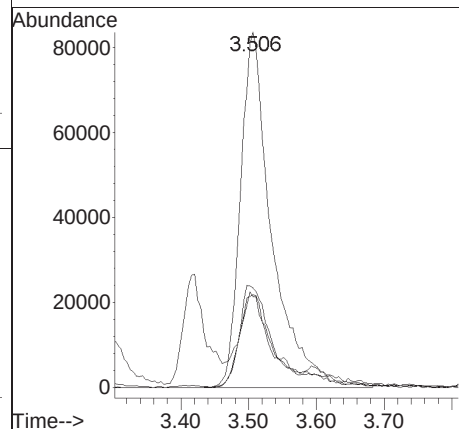
Tgt	Ion: 43	Resp:	59200
Ion	Ratio	Lower	Upper
43	100		
74	20.8	36.0	54.0#
59	21.7	18.6	27.8

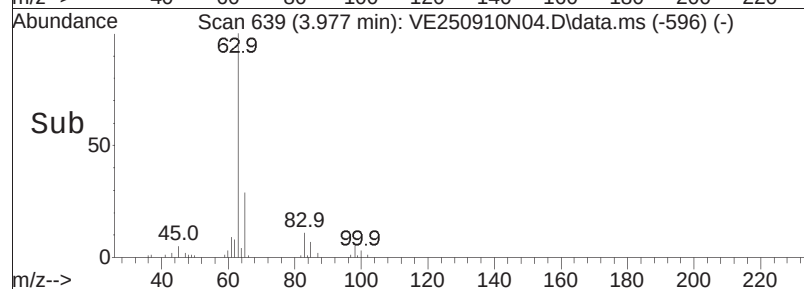
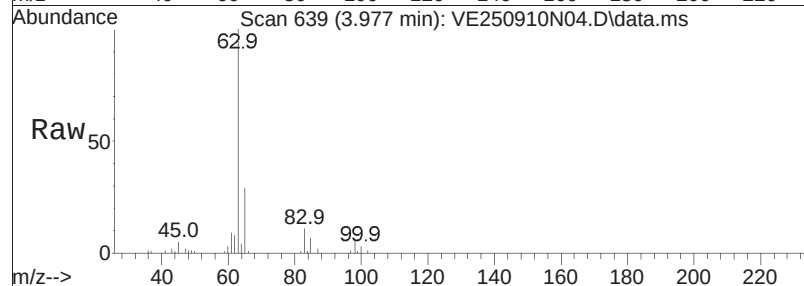
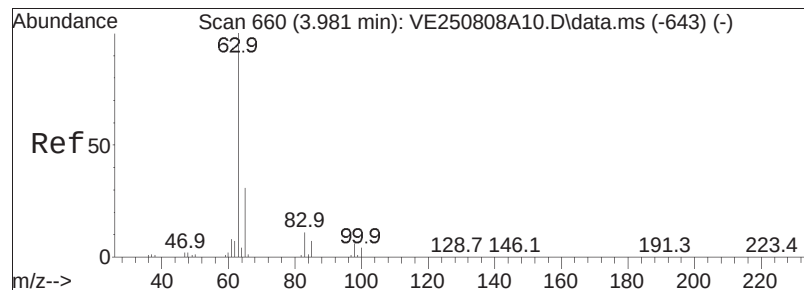




#21
Methyl tert-butyl ether
Concen: 9.37 ug/L
RT: 3.506 min Scan# 535
Delta R.T. 0.004 min
Lab File: VE250910N04.D
Acq: 10 Sep 2025 9:41 pm

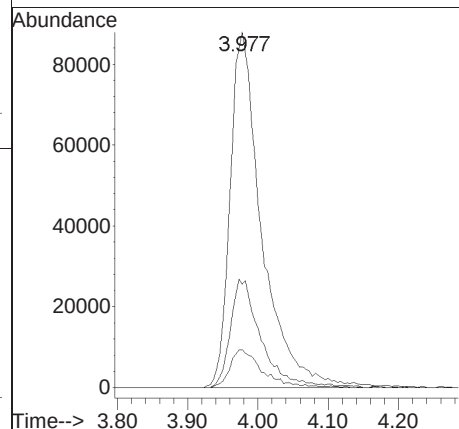
Tgt Ion:	73	Resp:	271694
Ion Ratio	Lower	Upper	
73	100		
57	32.4	18.9	39.3
43	0.0	17.9	37.1#
41	31.7	17.3	35.9

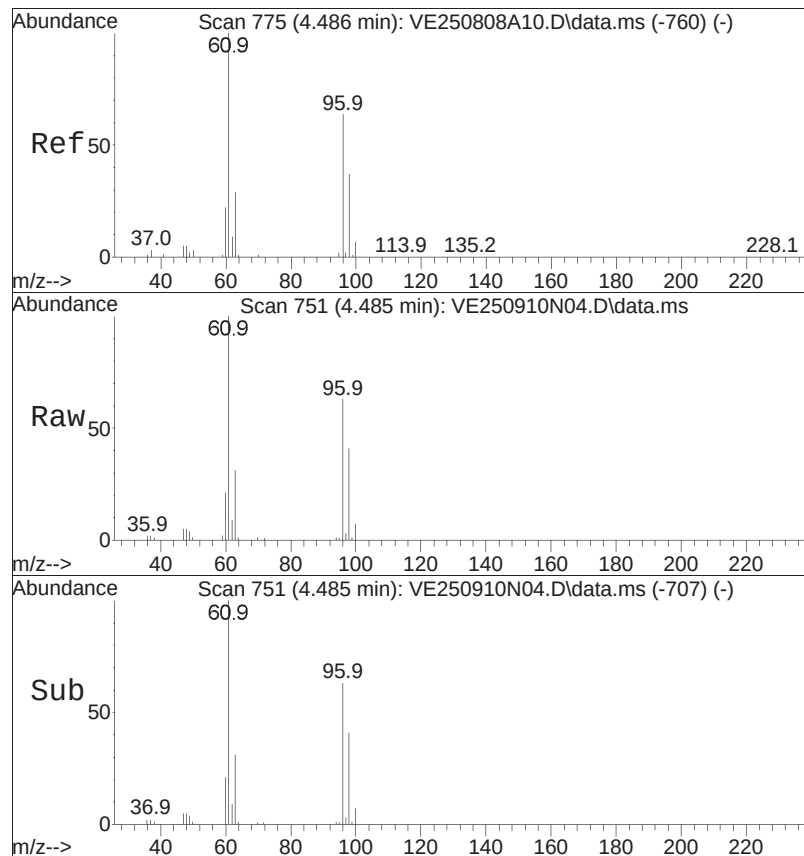




#25
 1,1-Dichloroethane
 Concen: 11.89 ug/L
 RT: 3.977 min Scan# 639
 Delta R.T. -0.003 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

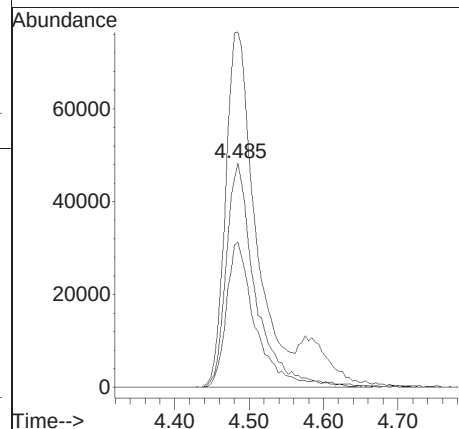
Tgt	Ion: 63	Resp:	275784
Ion	Ratio	Lower	Upper
63	100		
65	29.6	11.1	51.1
83	10.9	0.0	31.4

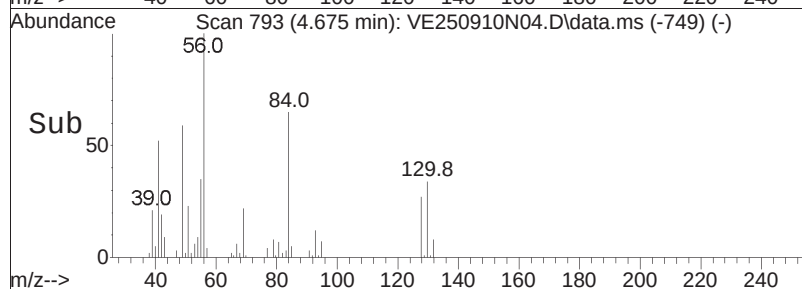
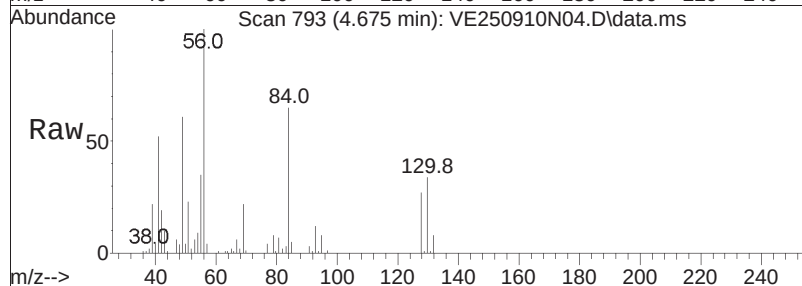
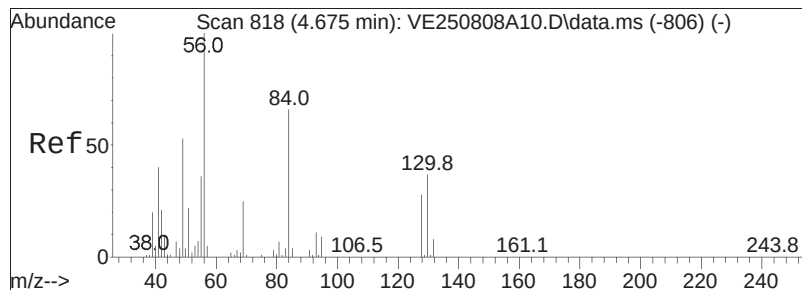




#30
 cis-1,2-Dichloroethene
 Concen: 10.81 ug/L
 RT: 4.485 min Scan# 751
 Delta R.T. -0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

Tgt	Ion: 96	Resp:	132773
Ion	Ratio	Lower	Upper
96	100		
61	185.2	143.0	214.6
98	65.3	50.5	75.7





#33

Bromochloromethane

Concen: 11.06 ug/L

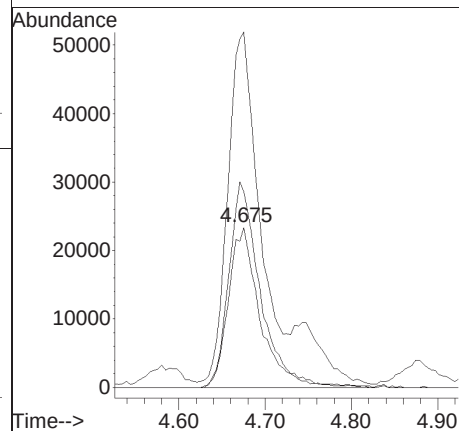
RT: 4.675 min Scan# 793

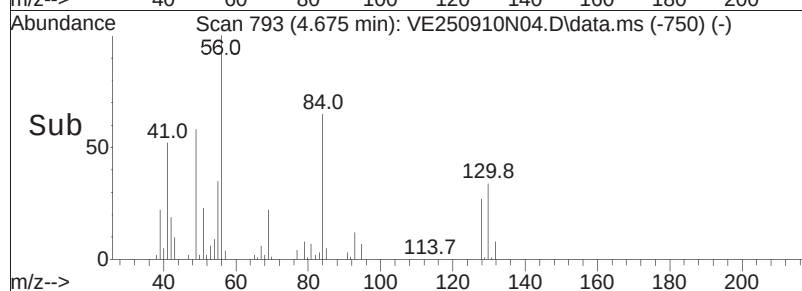
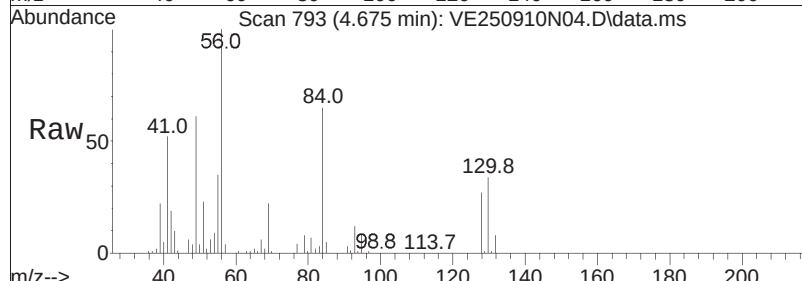
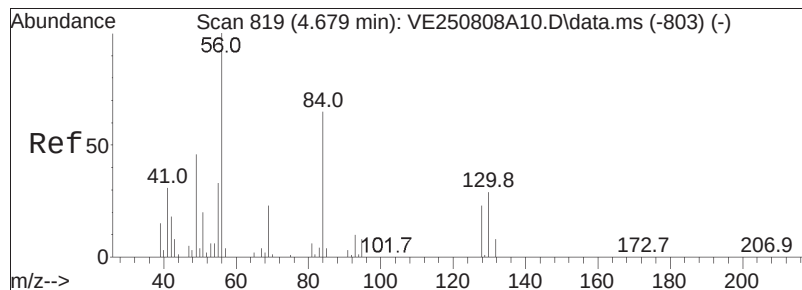
Delta R.T. 0.000 min

Lab File: VE250910N04.D

Acq: 10 Sep 2025 9:41 pm

Tgt Ion:	128	Resp:	59686
Ion Ratio	Lower	Upper	
128	100		
49	257.8	194.7	292.1
130	127.7	105.6	158.4





#34

Cyclohexane

Concen: 10.52 ug/L

RT: 4.675 min Scan# 793

Delta R.T. -0.004 min

Lab File: VE250910N04.D

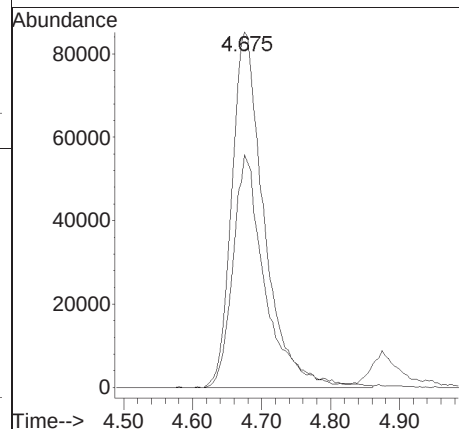
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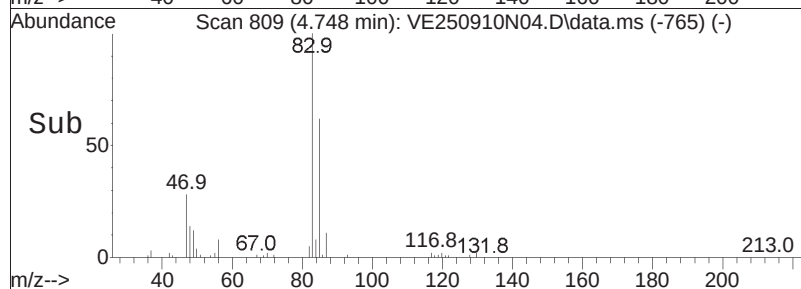
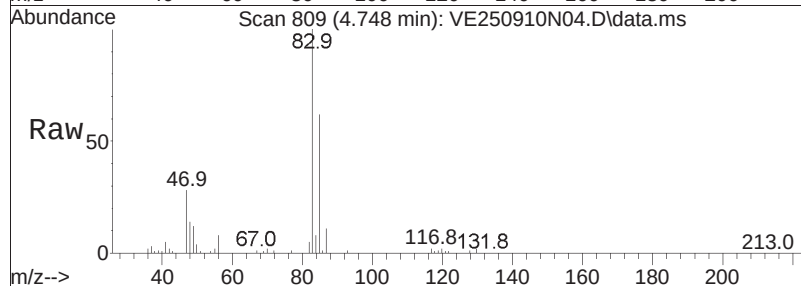
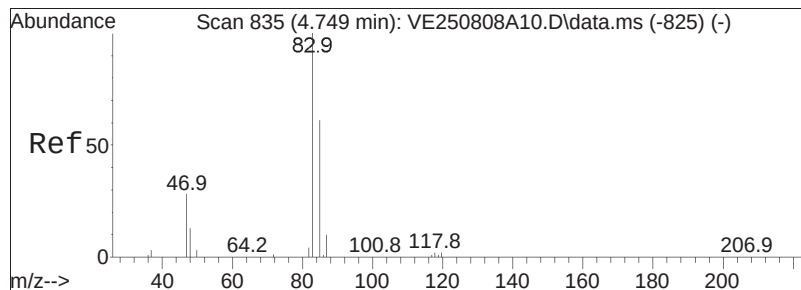
Tgt Ion: 56 Resp: 277509

Ion Ratio Lower Upper

56 100

84 64.9 45.3 94.1





#35

Chloroform

Concen: 10.51 ug/L

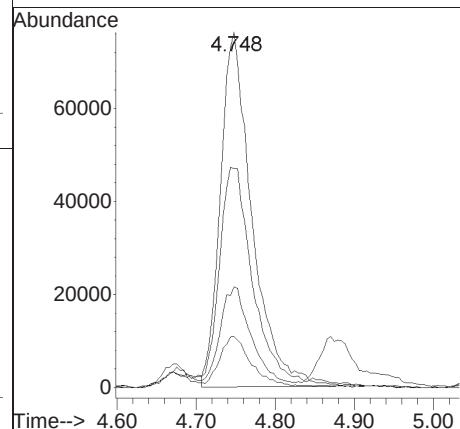
RT: 4.748 min Scan# 809

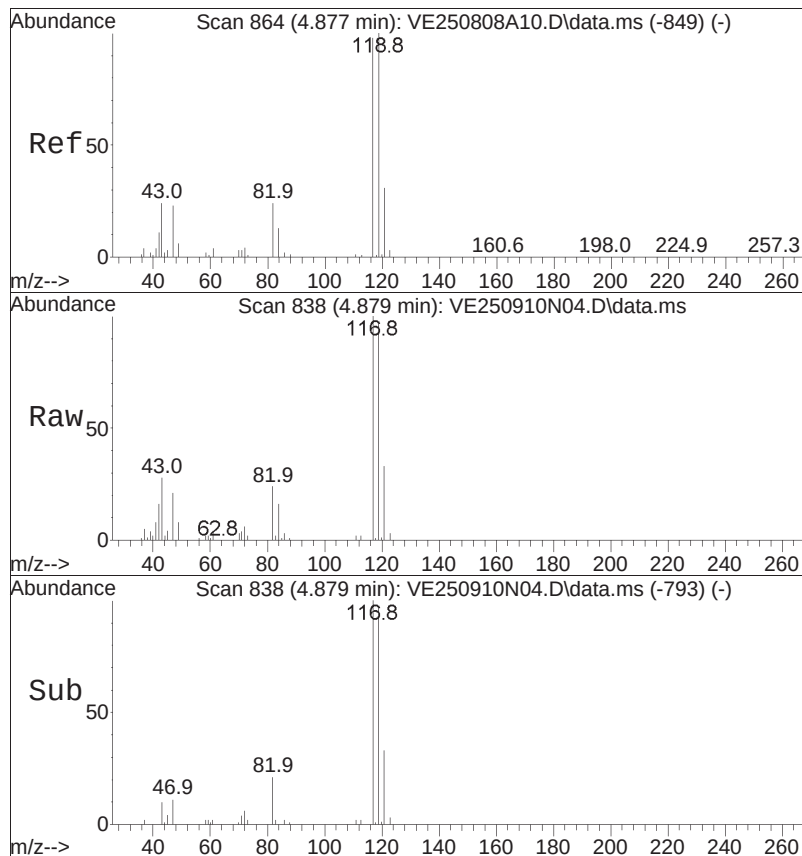
Delta R.T. -0.002 min

Lab File: VE250910N04.D

Acq: 10 Sep 2025 9:41 pm

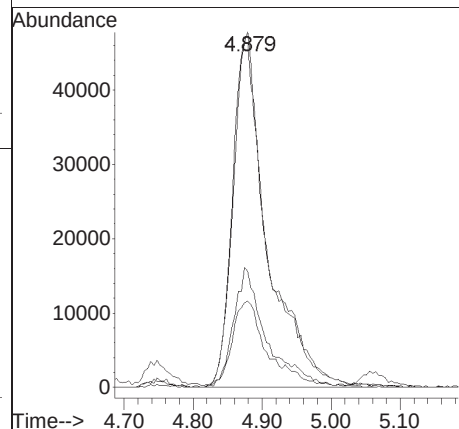
Tgt	Ion: 83	Resp:	214095
Ion	Ratio	Lower	Upper
83	100		
85	65.8	40.9	84.9
47	25.1	16.8	35.0
48	15.0	9.1	18.9

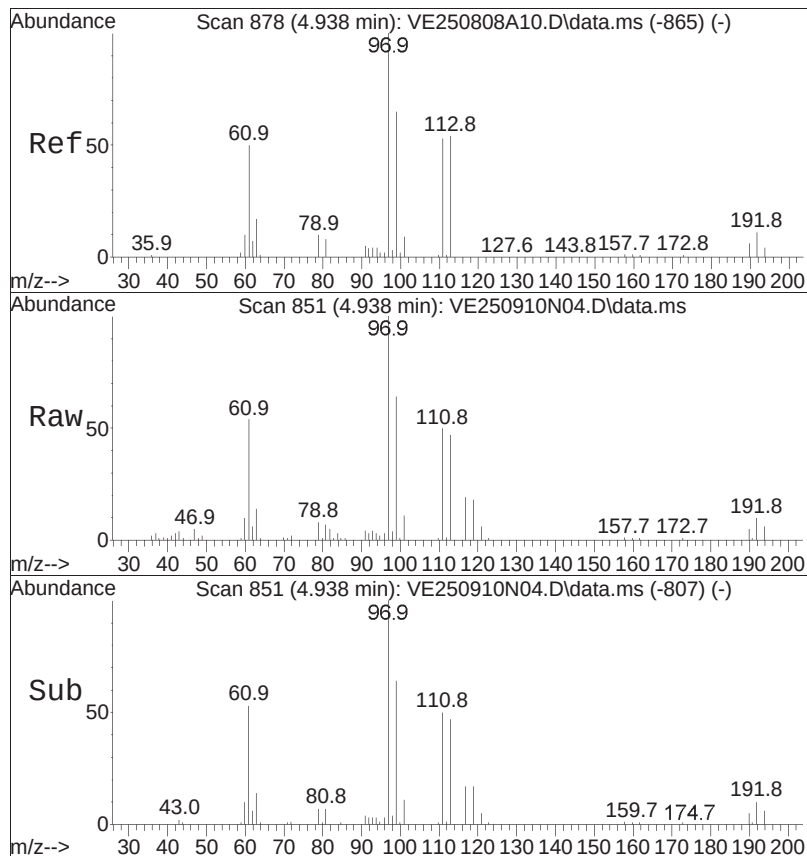




#37
Carbon tetrachloride
Concen: 10.57 ug/L
RT: 4.879 min Scan# 838
Delta R.T. 0.002 min
Lab File: VE250910N04.D
Acq: 10 Sep 2025 9:41 pm

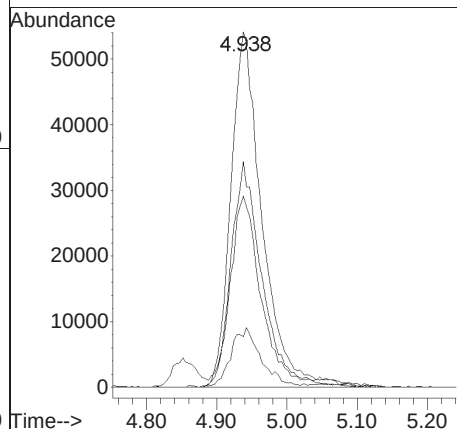
Tgt Ion:	117	Resp:	167718
Ion Ratio	Lower	Upper	
117	100		
119	97.2	77.2	160.4
121	32.5	25.0	51.8
82	23.9	19.4	40.2

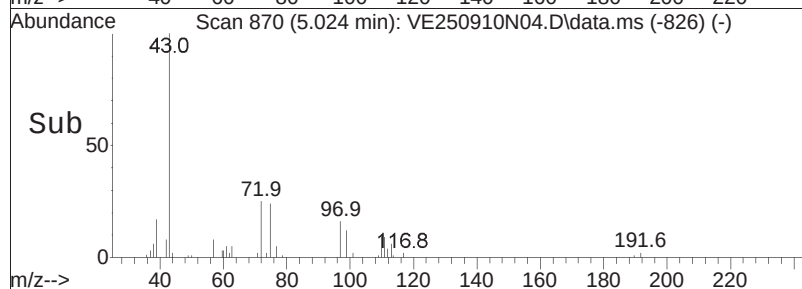
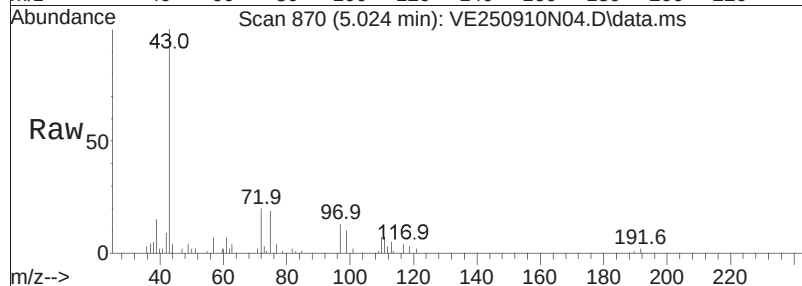
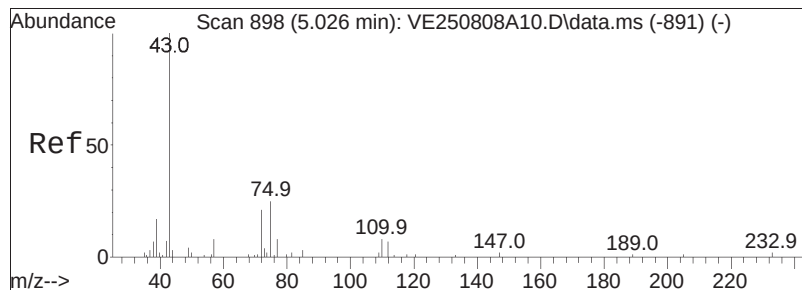




#40
 1,1,1-Trichloroethane
 Concen: 9.87 ug/L
 RT: 4.938 min Scan# 851
 Delta R.T. -0.000 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

Tgt Ion:	97	Resp:	168451
Ion Ratio	Lower	Upper	
97	100		
99	62.9	42.1	87.5
61	53.5	34.1	70.9
63	17.3	10.8	22.4





#42

2-Butanone

Concen: 10.50 ug/L

RT: 5.024 min Scan# 870

Delta R.T. -0.002 min

Lab File: VE250910N04.D

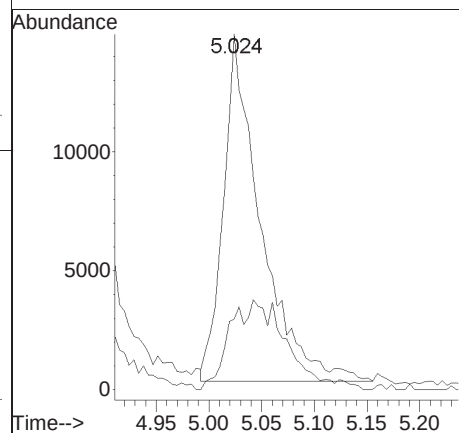
Acq: 10 Sep 2025 9:41 pm

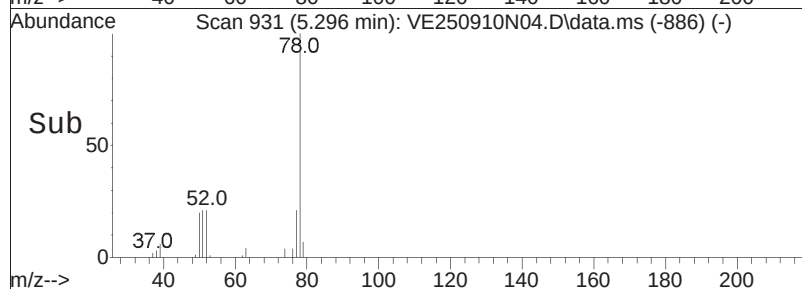
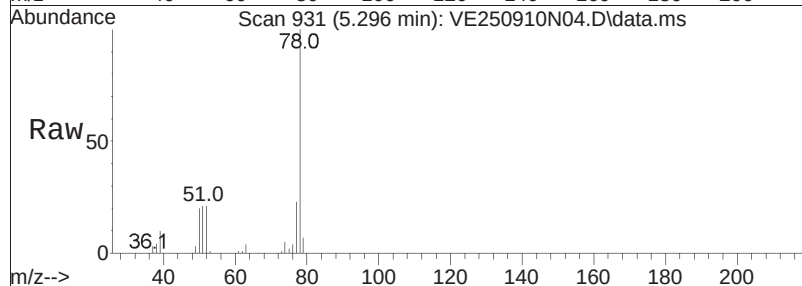
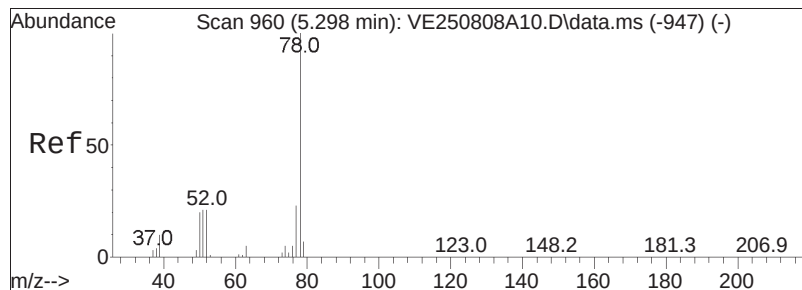
Tgt Ion: 43 Resp: 35888

Ion Ratio Lower Upper

43 100

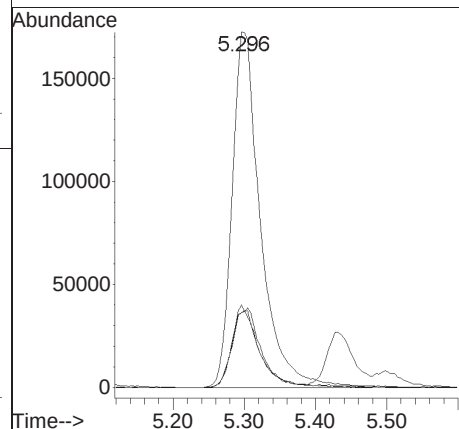
72 39.3 34.2 51.2

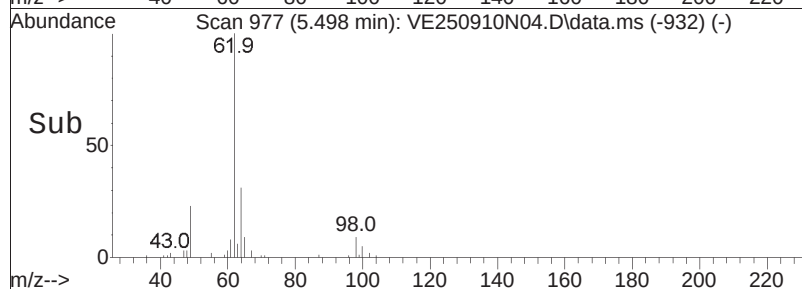
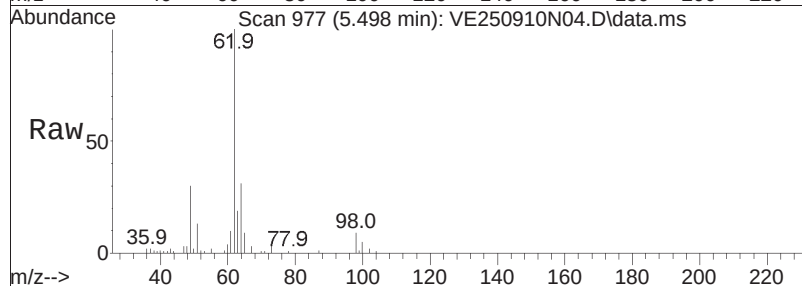
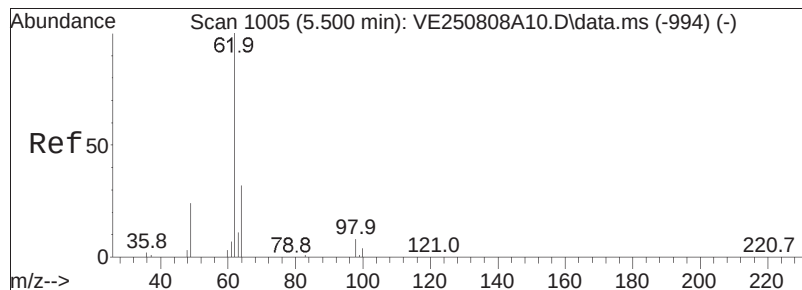




#45
Benzene
Concen: 10.66 ug/L
RT: 5.296 min Scan# 931
Delta R.T. -0.002 min
Lab File: VE250910N04.D
Acq: 10 Sep 2025 9:41 pm

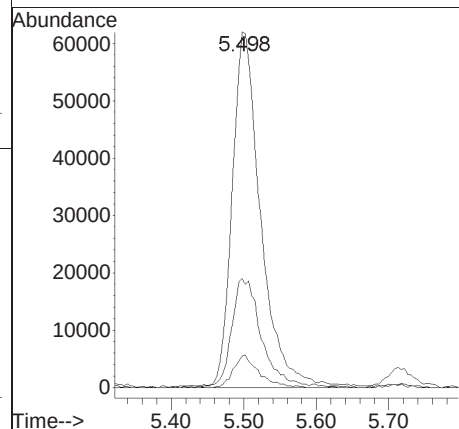
Tgt	Ion: 78	Resp:	479255
Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.2	31.6
51	21.1	14.1	29.3
52	22.2	13.8	28.6

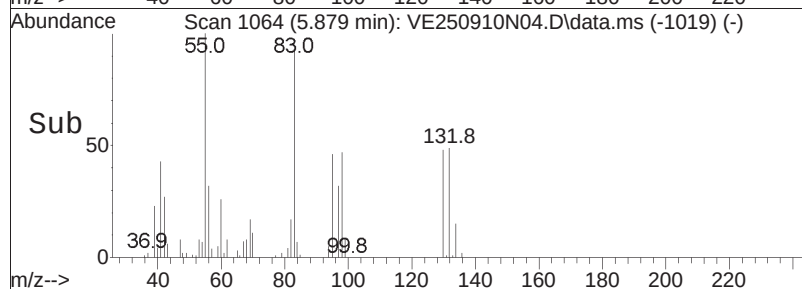
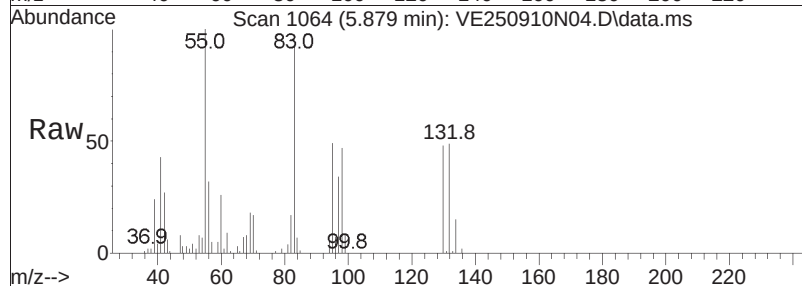
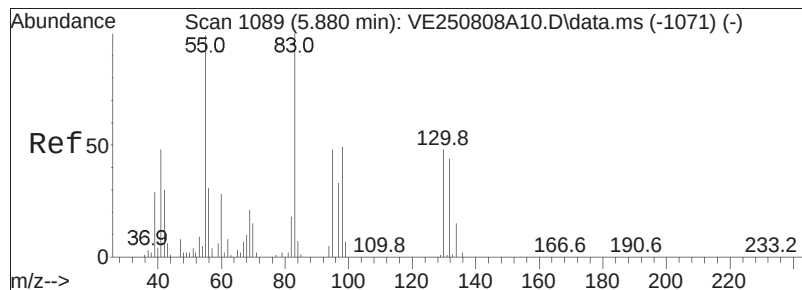




#48
 1,2-Dichloroethane
 Concen: 9.96 ug/L
 RT: 5.498 min Scan# 977
 Delta R.T. -0.002 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

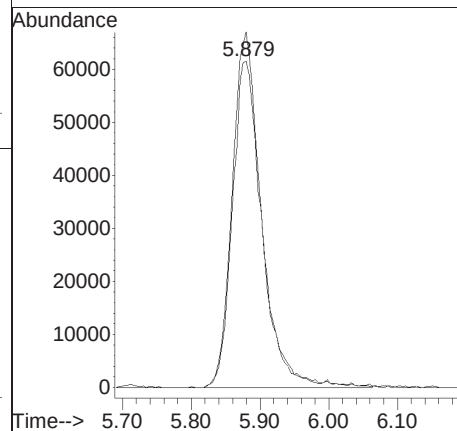
Tgt Ion:	62	Resp:	169930
Ion Ratio	Lower	Upper	
62	100		
64	32.0	11.5	51.5
98	8.1	0.0	27.8

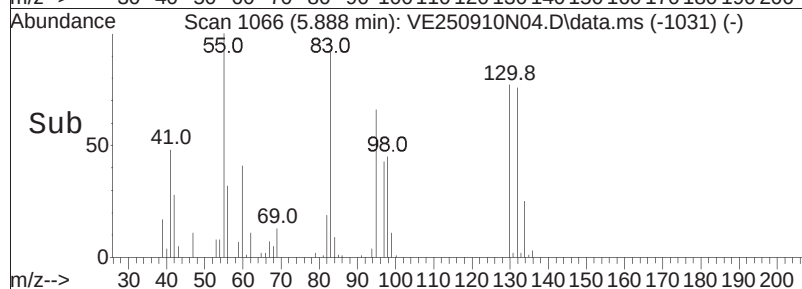
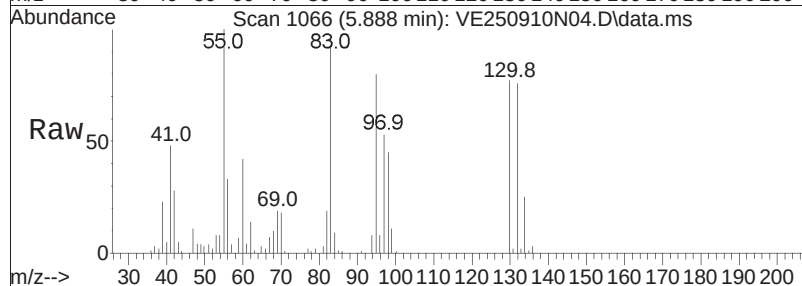
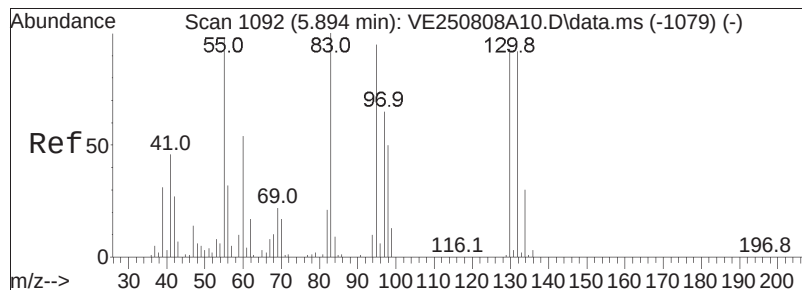




#51
Methyl cyclohexane
Concen: 9.50 ug/L
RT: 5.879 min Scan# 1064
Delta R.T. -0.001 min
Lab File: VE250910N04.D
Acq: 10 Sep 2025 9:41 pm

Tgt	Ion	Ratio	Lower	Upper
83	100			
55	107.1	79.2	118.8	





#52

Trichloroethene

Concen: 10.42 ug/L

RT: 5.888 min Scan# 1066

Delta R.T. -0.005 min

Lab File: VE250910N04.D

Acq: 10 Sep 2025 9:41 pm

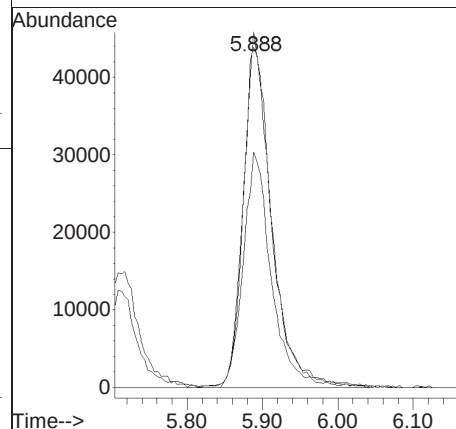
Tgt Ion: 95 Resp: 118018

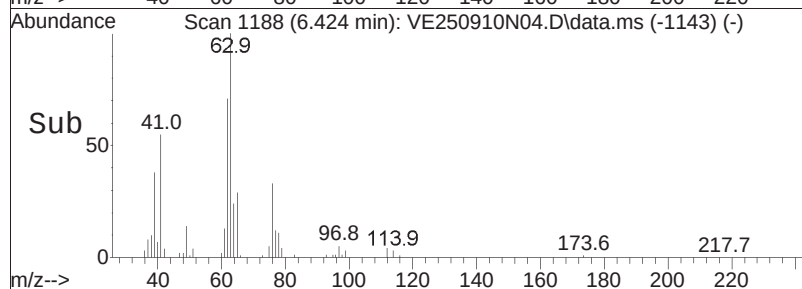
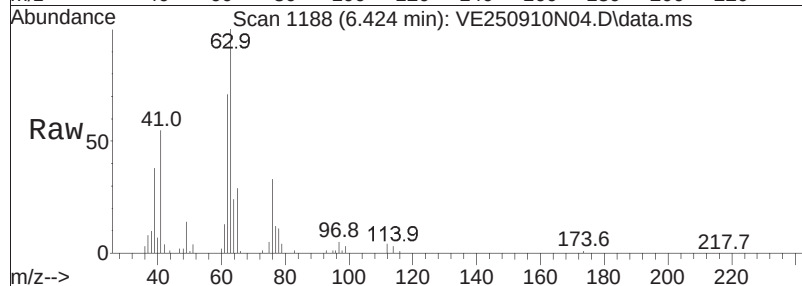
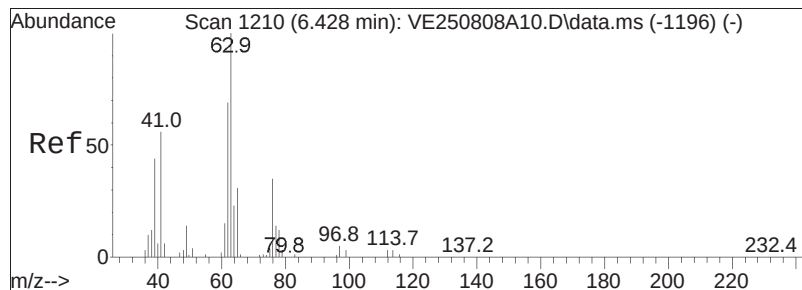
Ion Ratio Lower Upper

95 100

97 67.1 55.8 83.8

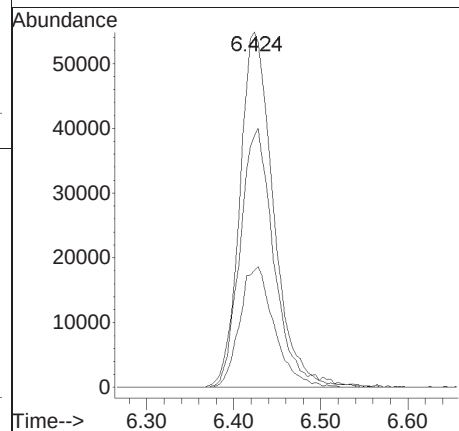
130 99.0 81.5 122.3

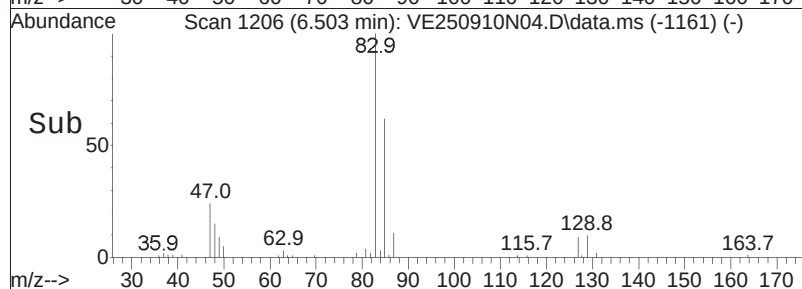
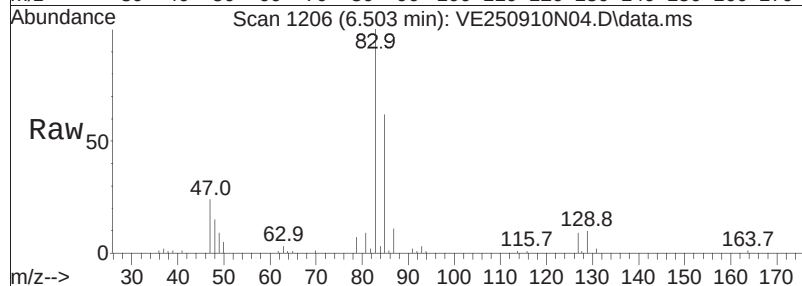
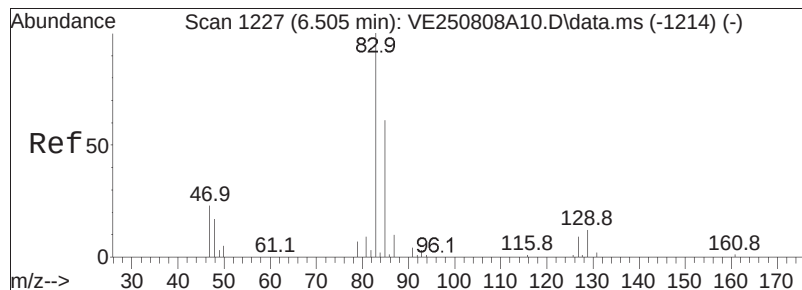




#55
 1,2-Dichloropropane
 Concen: 11.24 ug/L
 RT: 6.424 min Scan# 1188
 Delta R.T. -0.004 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

Tgt	Ion	Resp	Lower	Upper
63	100			
62	73.3		57.4	86.2
76	34.9		31.0	46.4





#58

Bromodichloromethane

Concen: 10.06 ug/L

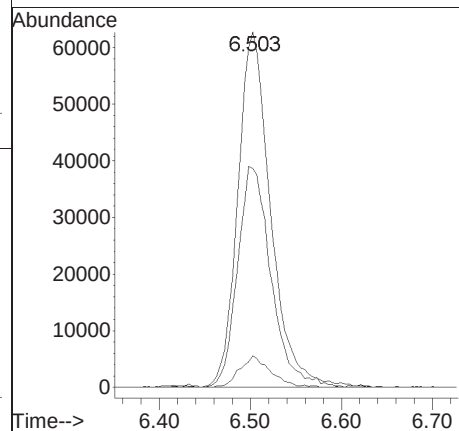
RT: 6.503 min Scan# 1206

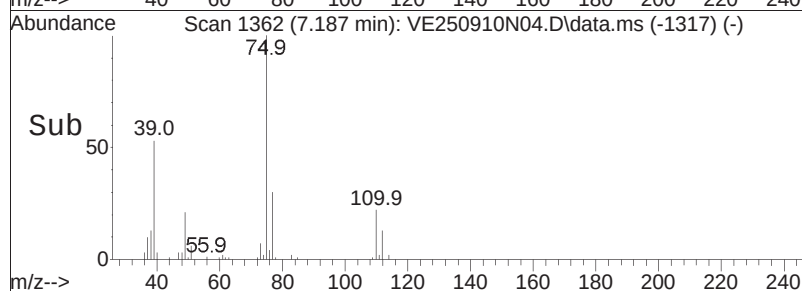
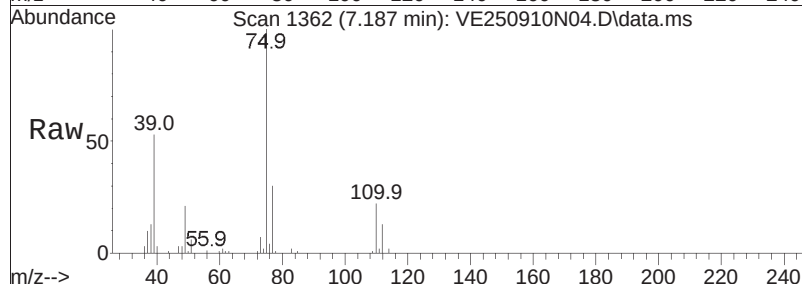
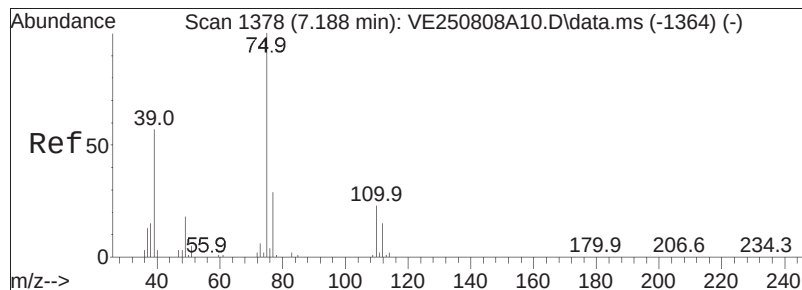
Delta R.T. -0.002 min

Lab File: VE250910N04.D

Acq: 10 Sep 2025 9:41 pm

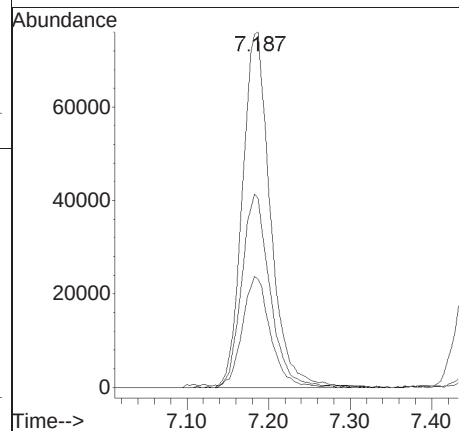
Tgt	Ion: 83	Resp:	157751
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3
127	8.5	7.0	10.6

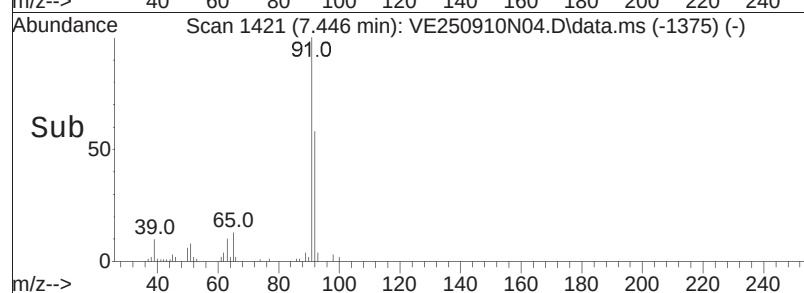
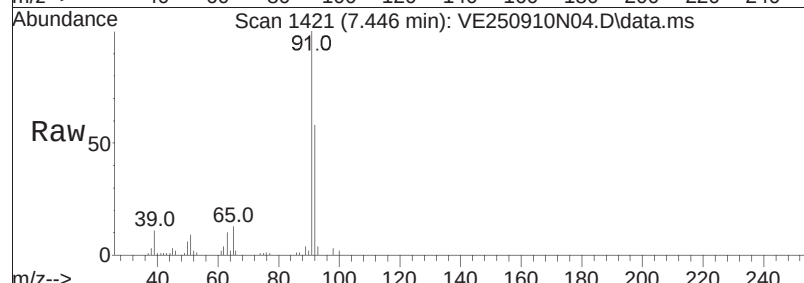
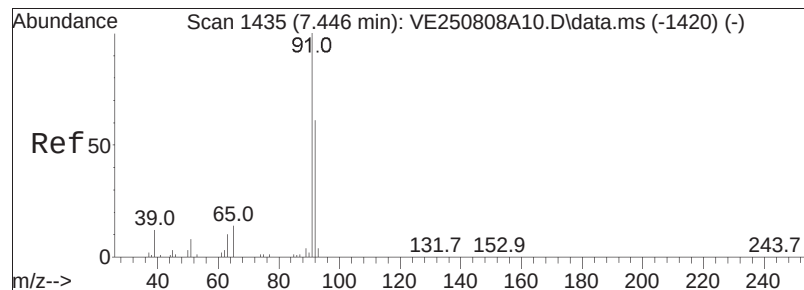




#62
 cis-1,3-Dichloropropene
 Concen: 10.00 ug/L
 RT: 7.187 min Scan# 1362
 Delta R.T. -0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

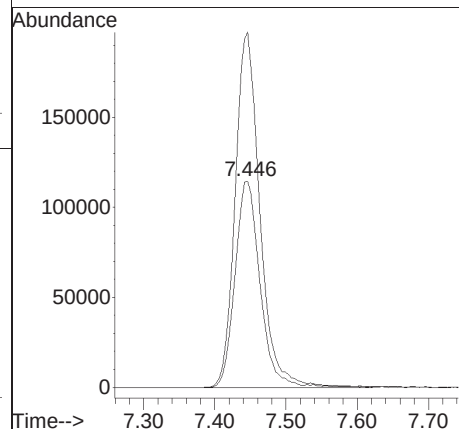
Tgt Ion:	75	Resp:	181670
Ion Ratio	Lower	Upper	
75	100		
77	31.1	24.9	37.3
39	54.9	48.2	72.4

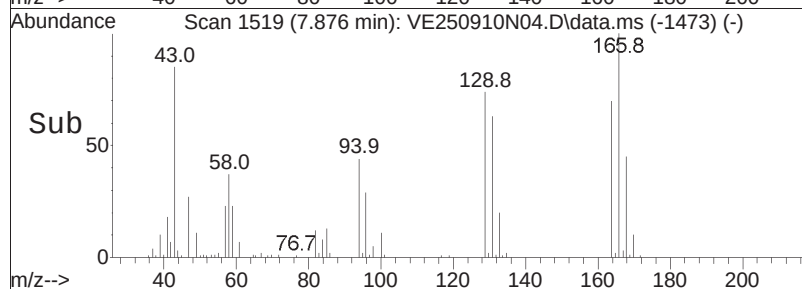
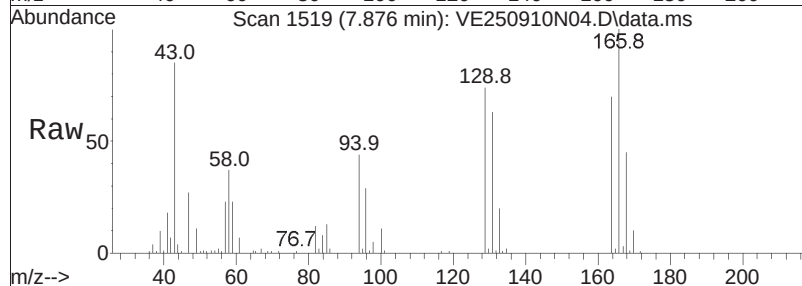
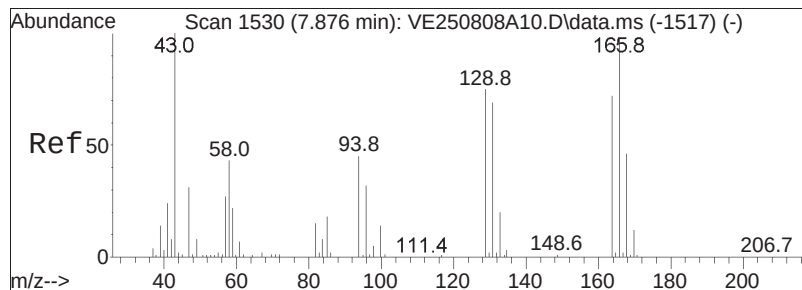




#65
Toluene
Concen: 11.38 ug/L
RT: 7.446 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VE250910N04.D
Acq: 10 Sep 2025 9:41 pm

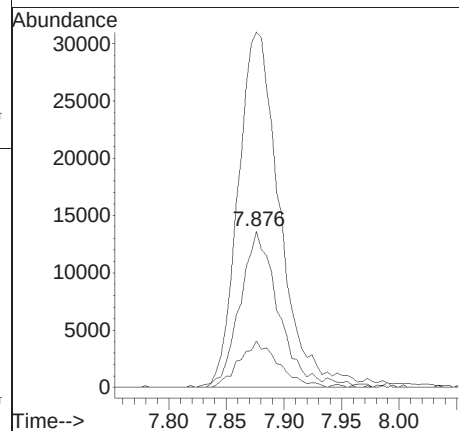
Tgt	Ion	Resp	Lower	Upper
92	100			
91	169.3	281026	134.2	201.2

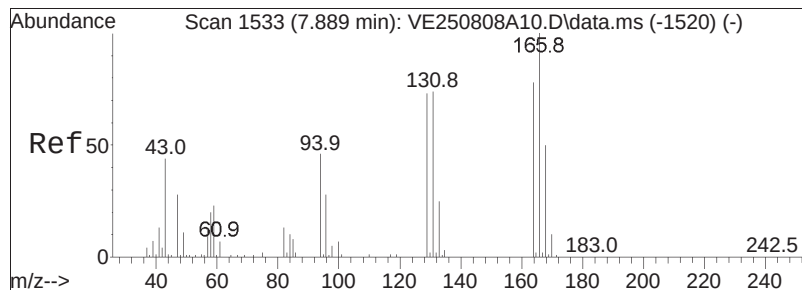




#66
 4-Methyl-2-pentanone
 Concen: 10.63 ug/L
 RT: 7.876 min Scan# 1519
 Delta R.T. 0.000 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

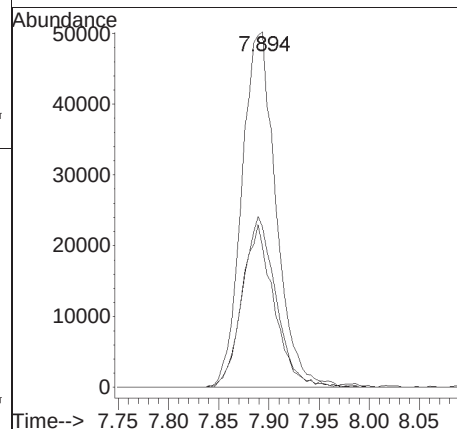
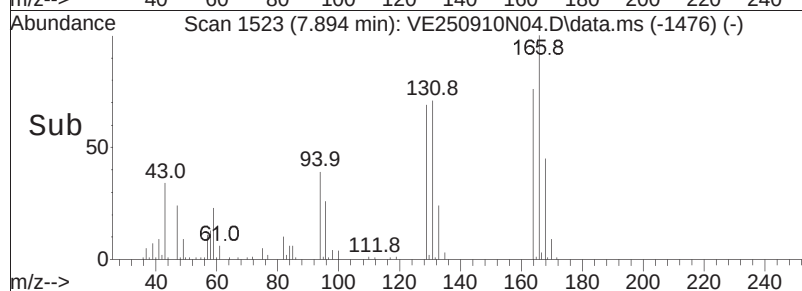
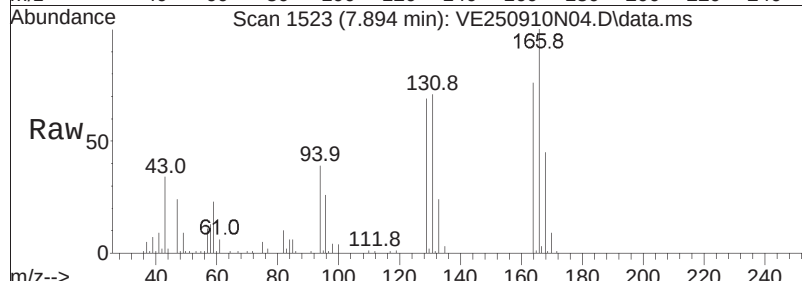
Tgt Ion:	58	Resp:	32171
Ion Ratio	Lower	Upper	
58	100		
100	29.9	27.0	40.4
43	246.7	191.7	287.5

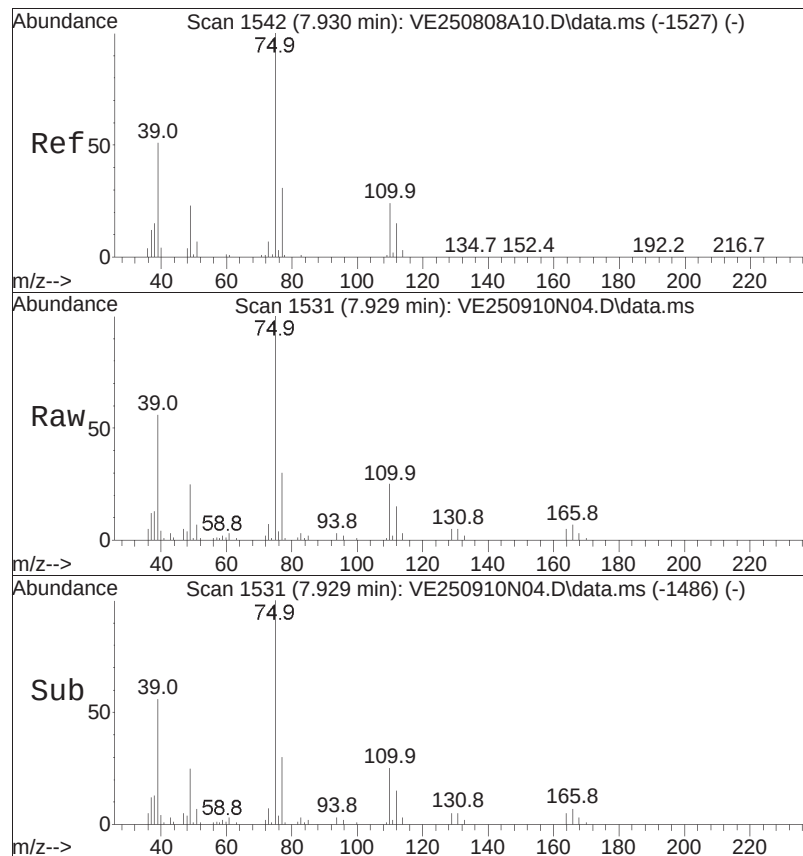




#67
Tetrachloroethene
Concen: 11.87 ug/L
RT: 7.894 min Scan# 1523
Delta R.T. 0.004 min
Lab File: VE250910N04.D
Acq: 10 Sep 2025 9:41 pm

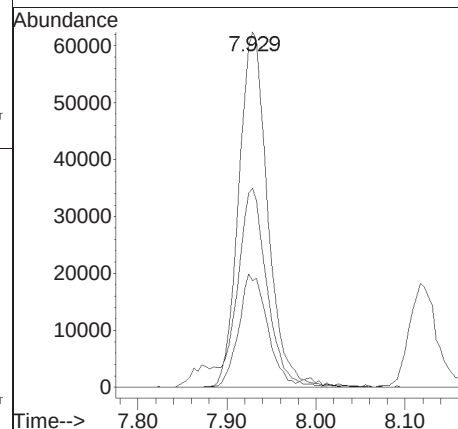
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	119738		
168	47.2		28.8	68.8
94	43.0		26.3	66.3

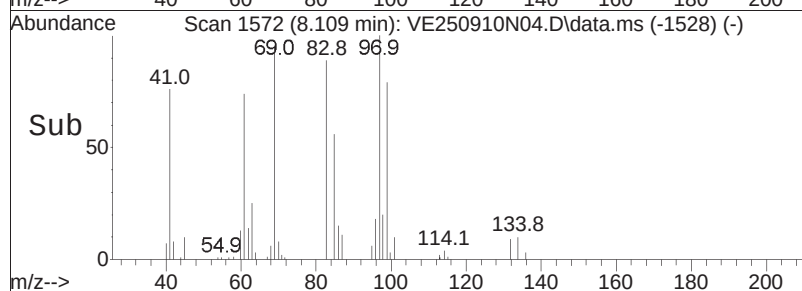
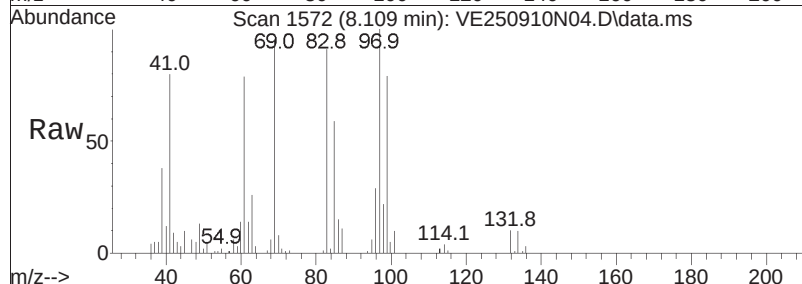
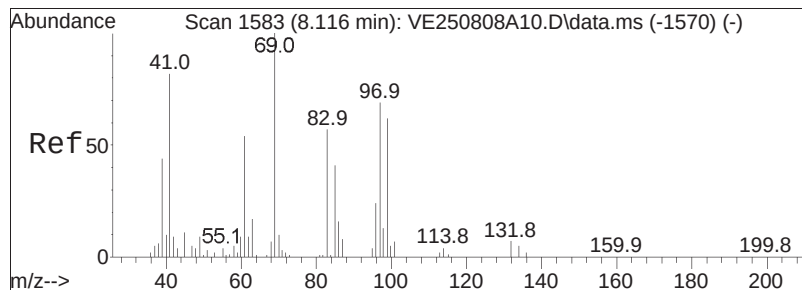




#69
 trans-1,3-Dichloropropene
 Concen: 10.01 ug/L
 RT: 7.929 min Scan# 1531
 Delta R.T. -0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142211		
77	32.5		12.0	52.0
39	56.2		37.7	77.7





#72

1,1,2-Trichloroethane

Concen: 11.36 ug/L

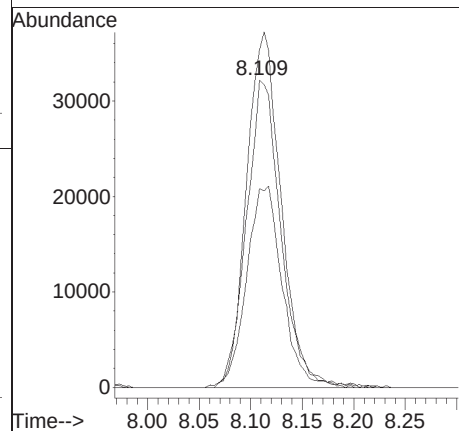
RT: 8.109 min Scan# 1572

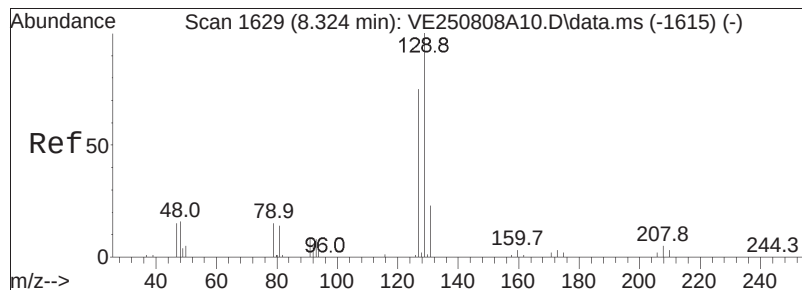
Delta R.T. -0.007 min

Lab File: VE250910N04.D

Acq: 10 Sep 2025 9:41 pm

Tgt	Ion: 83	Resp:	74451
Ion	Ratio	Lower	Upper
83	100		
97	117.7	100.1	140.1
85	68.0	48.2	88.2





#73

Chlorodibromomethane

Concen: 10.19 ug/L

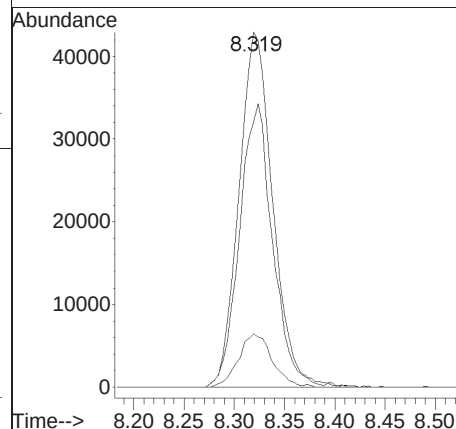
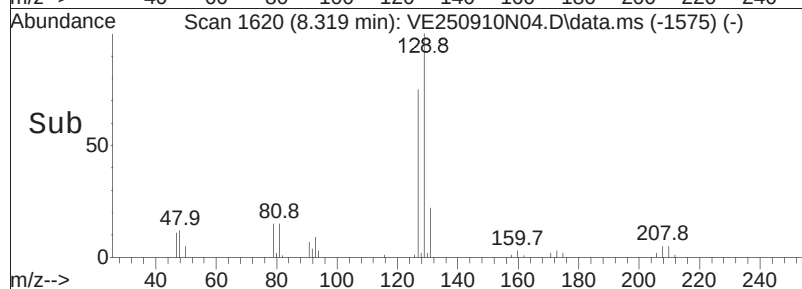
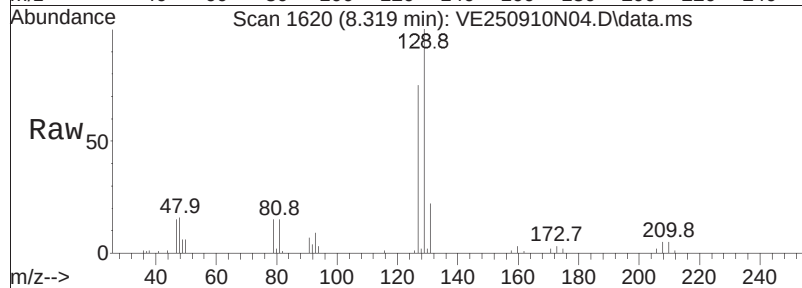
RT: 8.319 min Scan# 1620

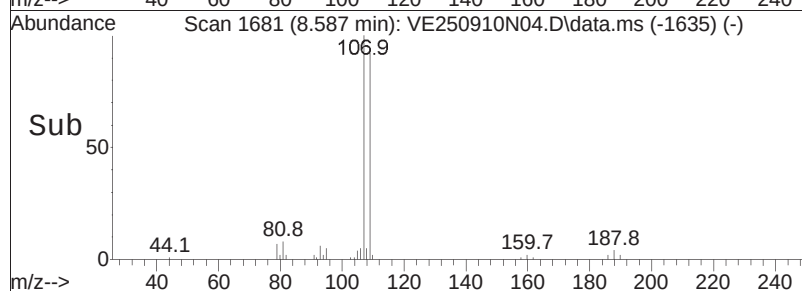
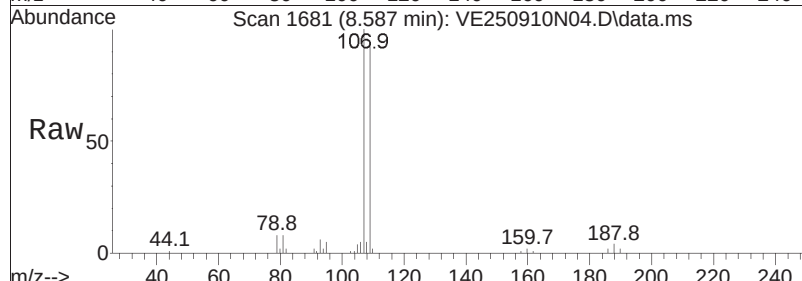
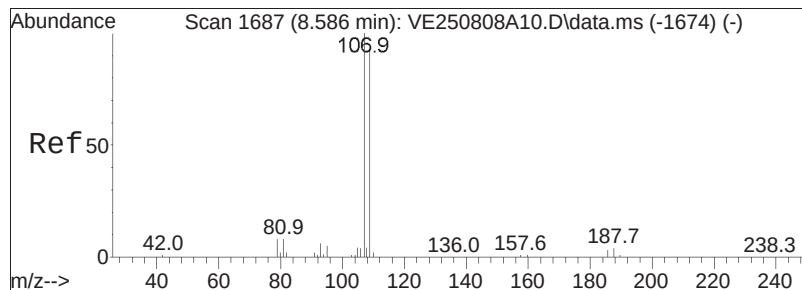
Delta R.T. -0.005 min

Lab File: VE250910N04.D

Acq: 10 Sep 2025 9:41 pm

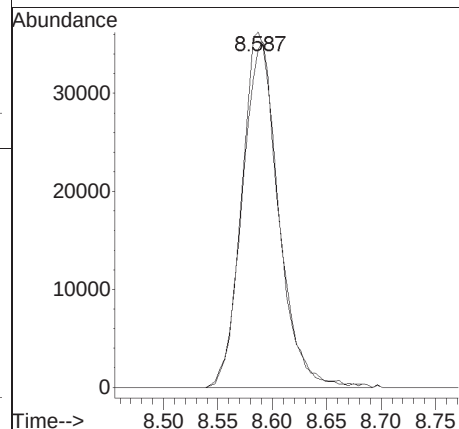
Tgt	Ion:129	Resp:	100748
Ion	Ratio	Lower	Upper
129	100		
81	15.1	0.0	36.1
127	78.0	56.2	96.2

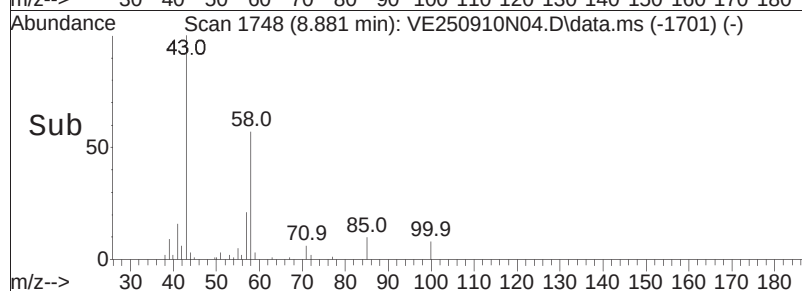
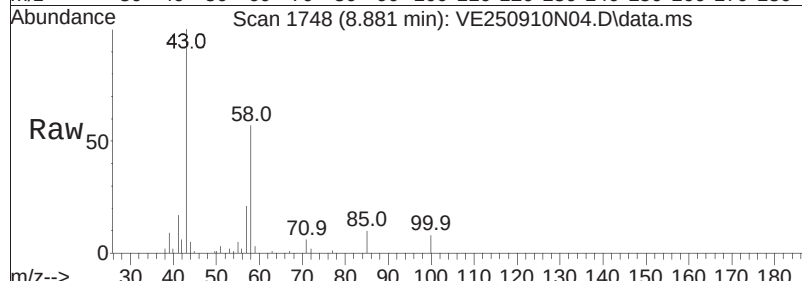
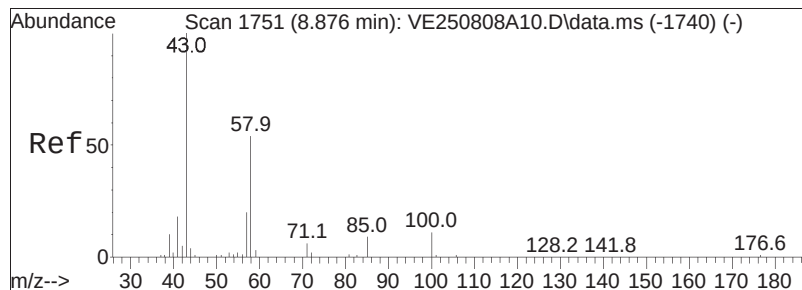




#75
 1,2-Dibromoethane
 Concen: 10.50 ug/L
 RT: 8.587 min Scan# 1681
 Delta R.T. 0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.3	111.5





#77

2-Hexanone

Concen: 10.68 ug/L

RT: 8.881 min Scan# 1748

Delta R.T. 0.005 min

Lab File: VE250910N04.D

Acq: 10 Sep 2025 9:41 pm

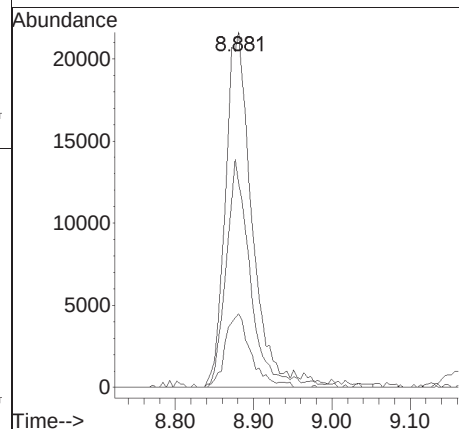
Tgt Ion: 43 Resp: 52262

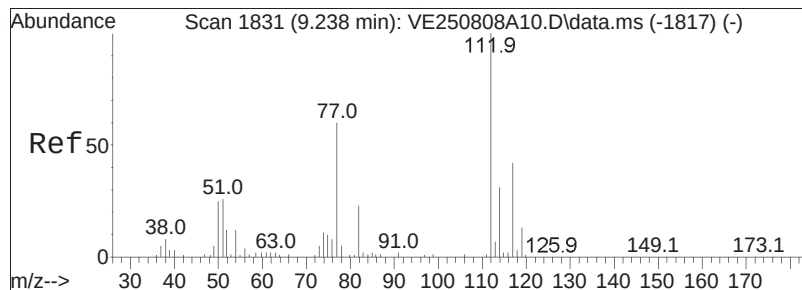
Ion Ratio Lower Upper

43 100

58 57.8 45.5 68.3

57 19.8 17.4 26.0





#78

Chlorobenzene

Concen: 11.34 ug/L

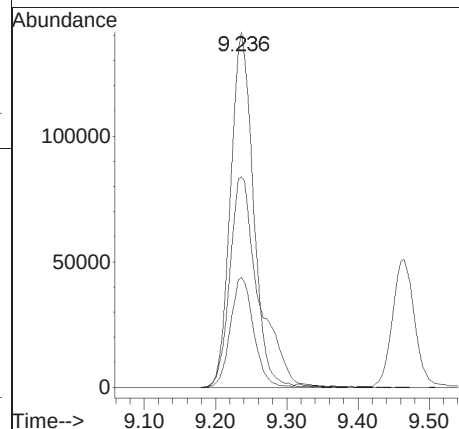
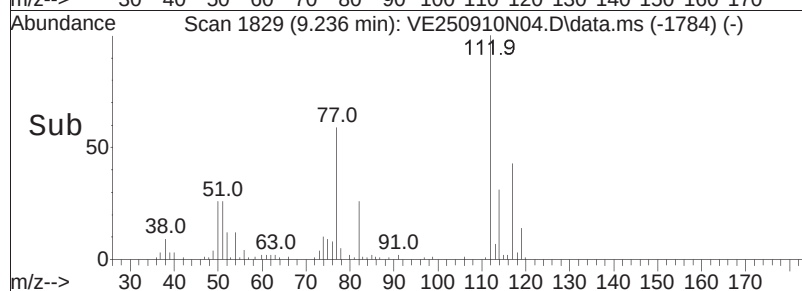
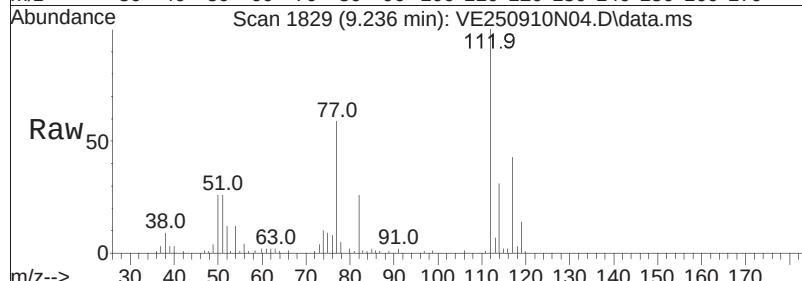
RT: 9.236 min Scan# 1829

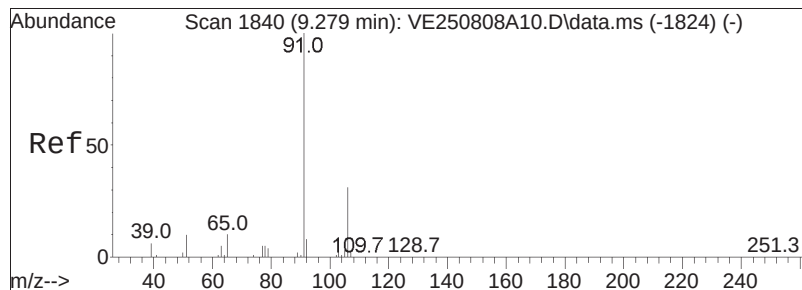
Delta R.T. -0.002 min

Lab File: VE250910N04.D

Acq: 10 Sep 2025 9:41 pm

Tgt	Ion:112	Resp:	316204
Ion	Ratio	Lower	Upper
112	100		
77	76.0	61.7	92.5
114	31.7	25.7	38.5





#79

Ethylbenzene

Concen: 10.94 ug/L

RT: 9.276 min Scan# 1838

Delta R.T. -0.003 min

Lab File: VE250910N04.D

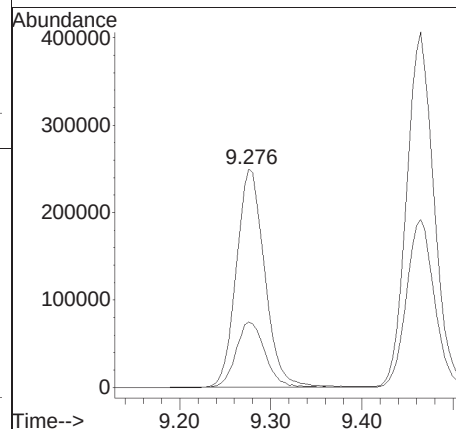
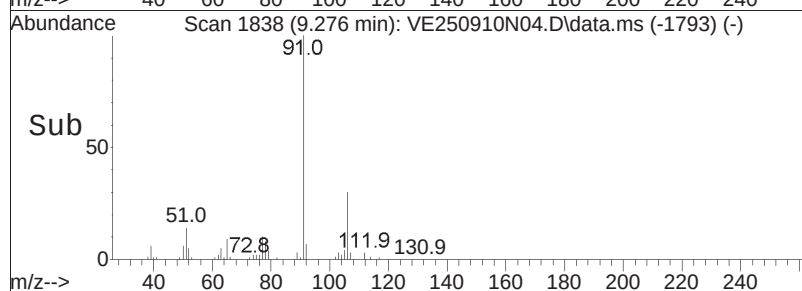
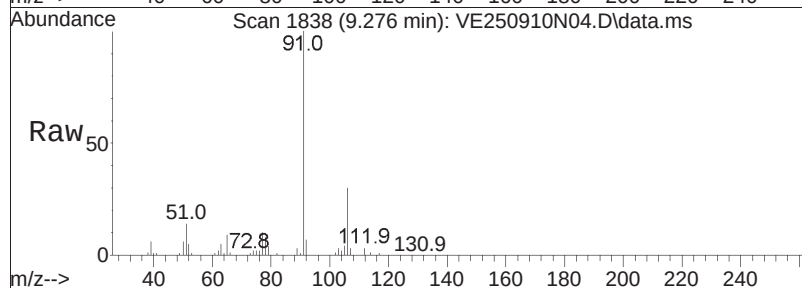
Acq: 10 Sep 2025 9:41 pm

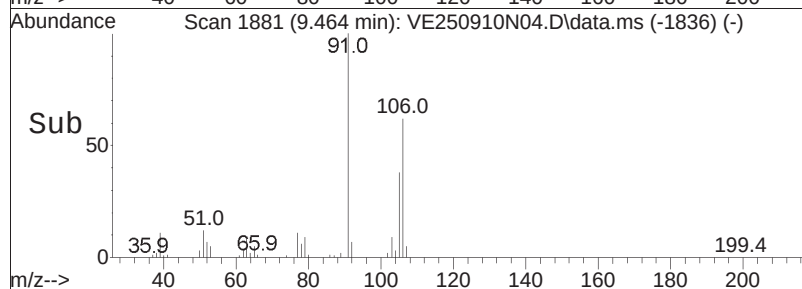
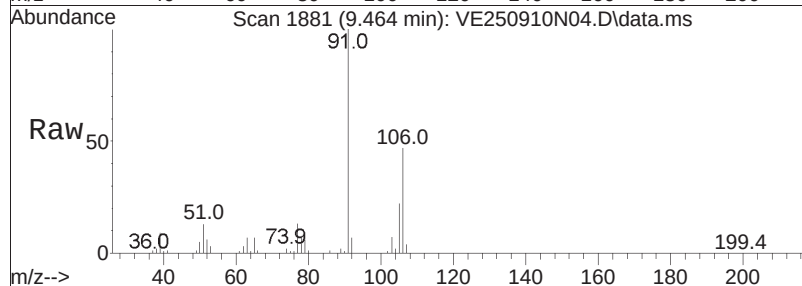
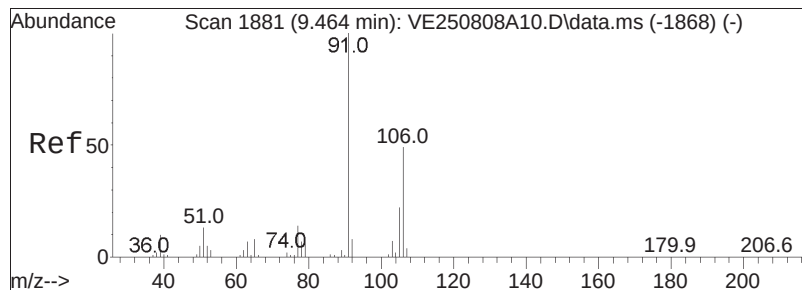
Tgt Ion: 91 Resp: 540267

Ion Ratio Lower Upper

91 100

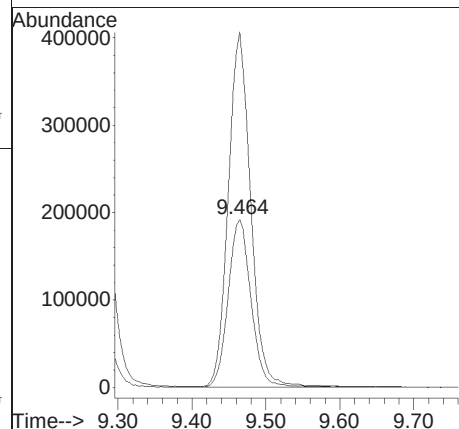
106 31.0 24.8 37.2

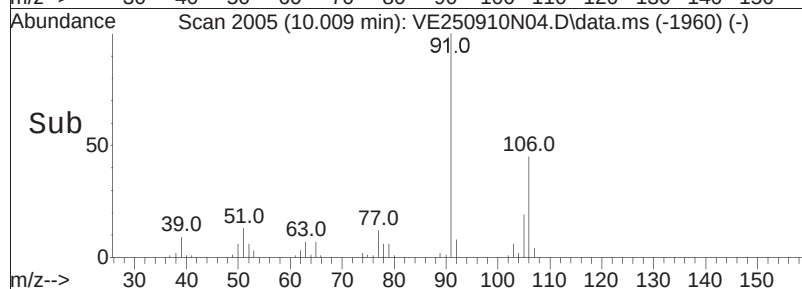
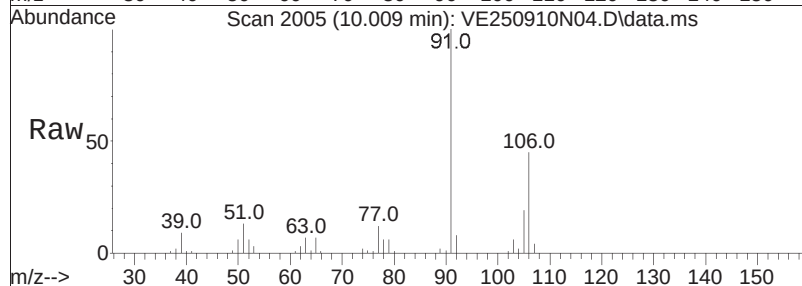
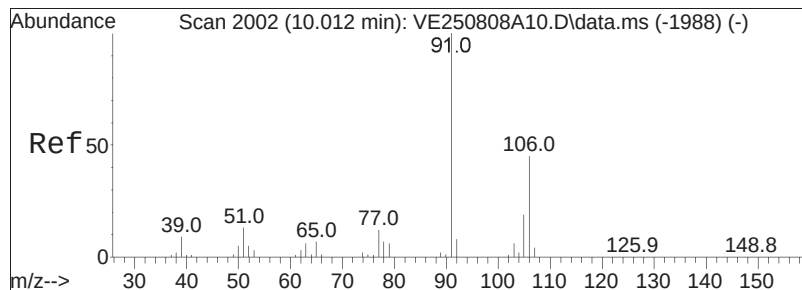




#81
 p/m Xylene
 Concen: 22.17 ug/L
 RT: 9.464 min Scan# 1881
 Delta R.T. 0.000 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

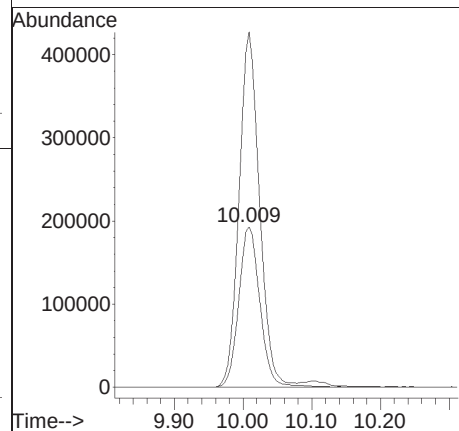
Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.8	163.8	245.6

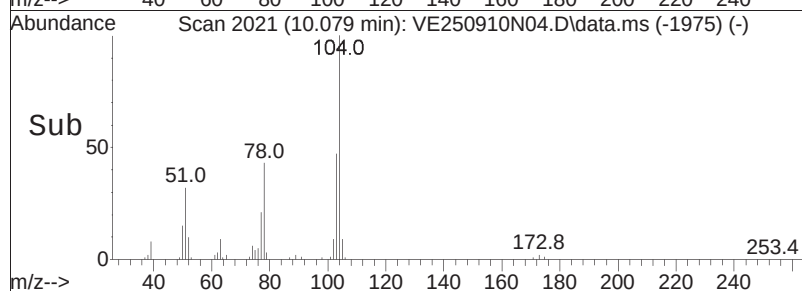
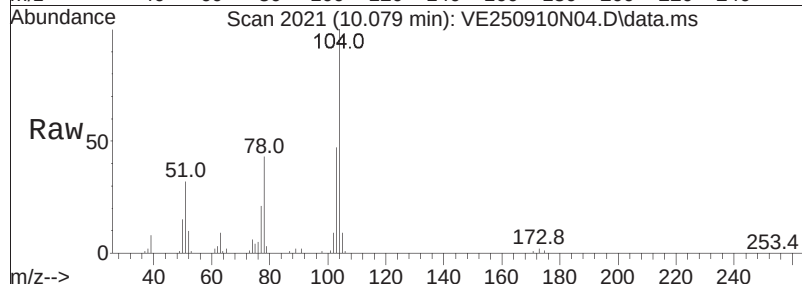
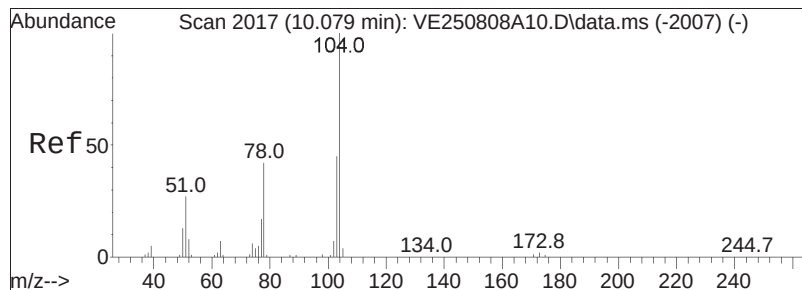




#82
o Xylene
Concen: 22.56 ug/L
RT: 10.009 min Scan# 2005
Delta R.T. -0.003 min
Lab File: VE250910N04.D
Acq: 10 Sep 2025 9:41 pm

Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.2	175.9	263.9





#83

Styrene

Concen: 22.24 ug/L

RT: 10.079 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VE250910N04.D

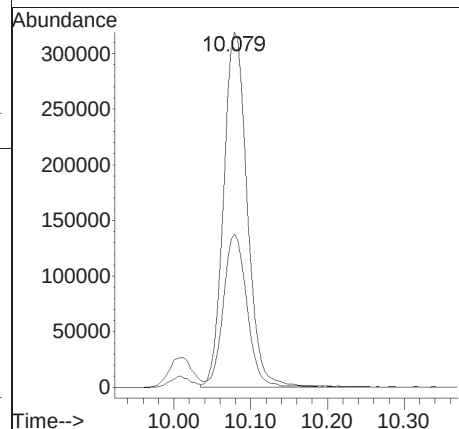
Acq: 10 Sep 2025 9:41 pm

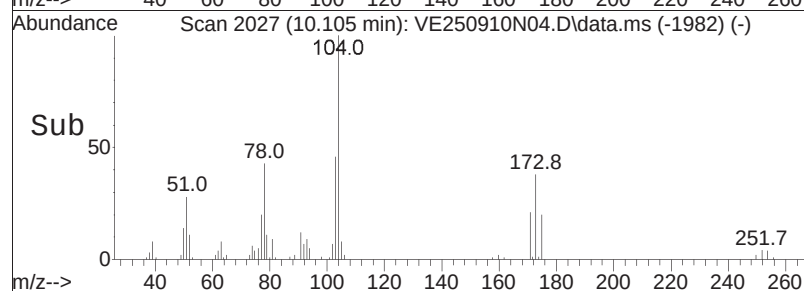
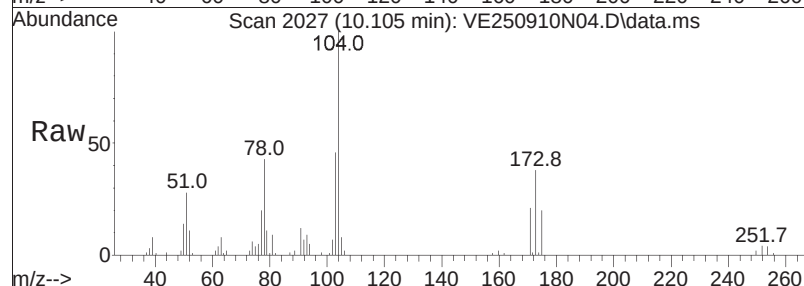
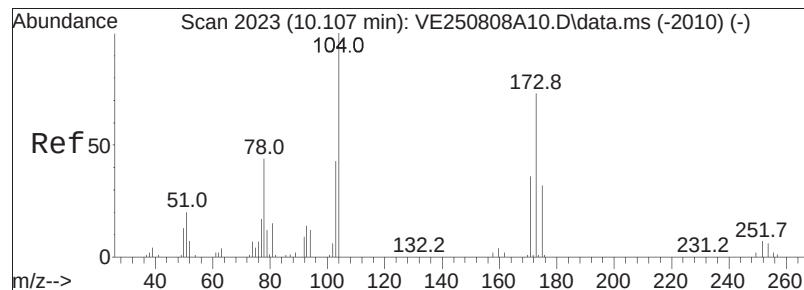
Tgt Ion:104 Resp: 684289

Ion Ratio Lower Upper

104 100

78 43.2 35.3 52.9





#85

Bromoform

Concen: 9.82 ug/L

RT: 10.105 min Scan# 2027

Delta R.T. -0.002 min

Lab File: VE250910N04.D

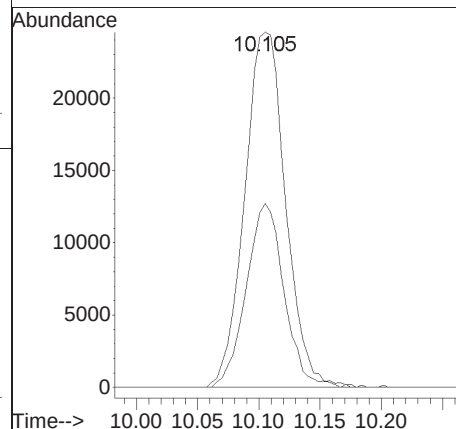
Acq: 10 Sep 2025 9:41 pm

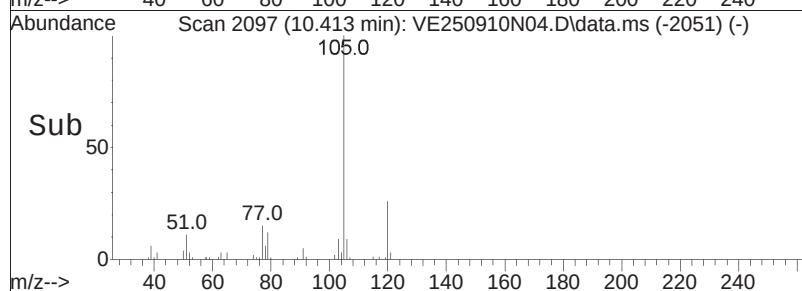
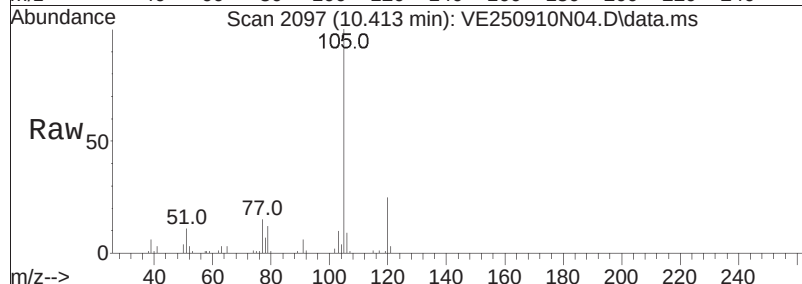
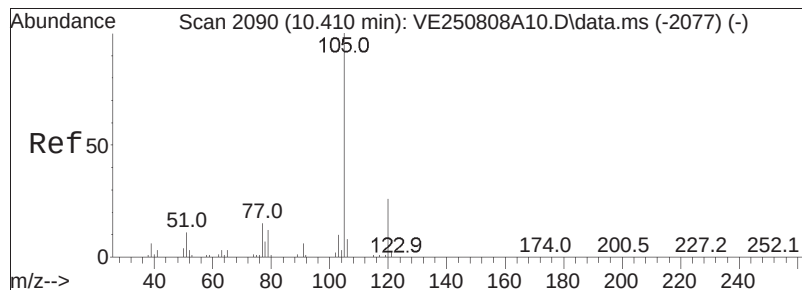
Tgt Ion:173 Resp: 57169

Ion Ratio Lower Upper

173 100

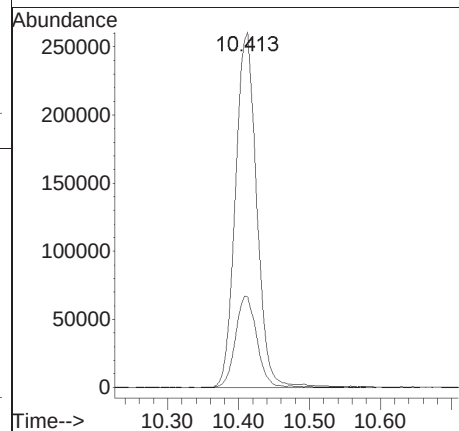
175 47.9 28.3 68.3

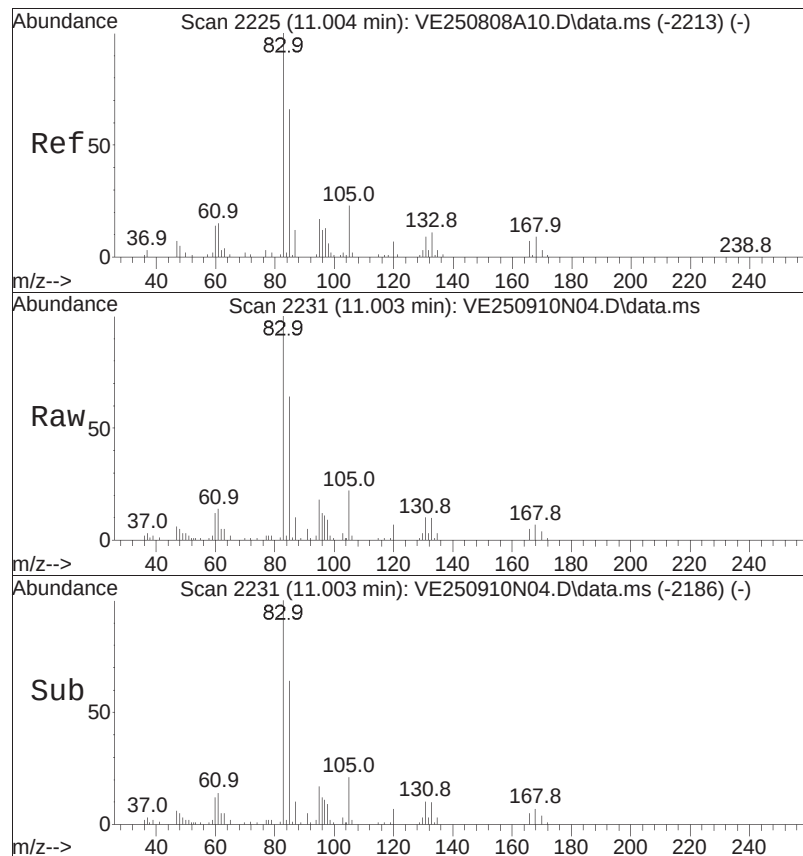




#87
Isopropylbenzene
Concen: 9.86 ug/L
RT: 10.413 min Scan# 2097
Delta R.T. 0.003 min
Lab File: VE250910N04.D
Acq: 10 Sep 2025 9:41 pm

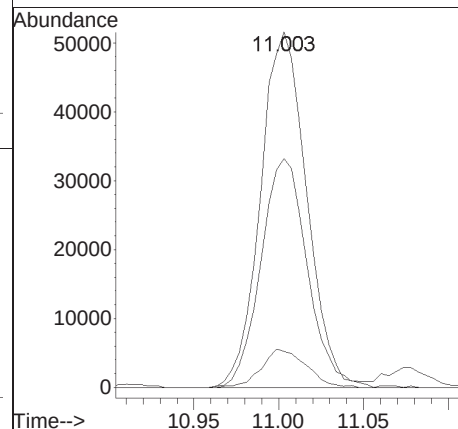
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	6.6	46.6

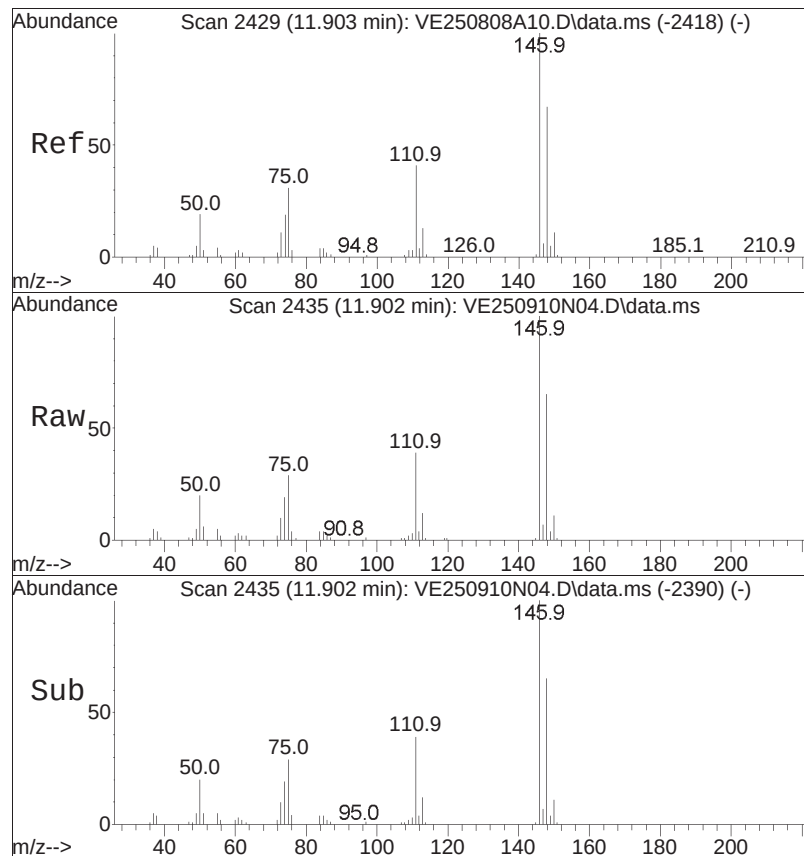




#92
 1,1,2,2-Tetrachloroethane
 Concen: 10.13 ug/L
 RT: 11.003 min Scan# 2231
 Delta R.T. -0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

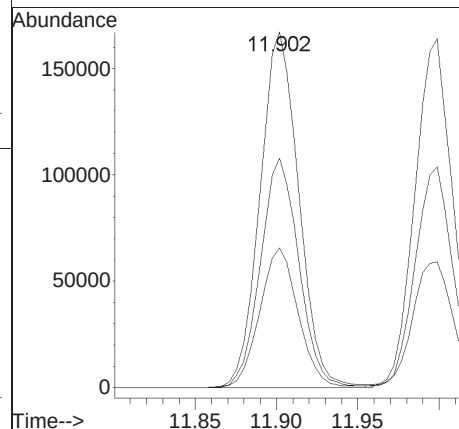
Tgt Ion:	83	Resp:	97506
Ion Ratio	Lower	Upper	
83	100		
131	10.4	0.0	30.7
85	65.1	44.9	84.9

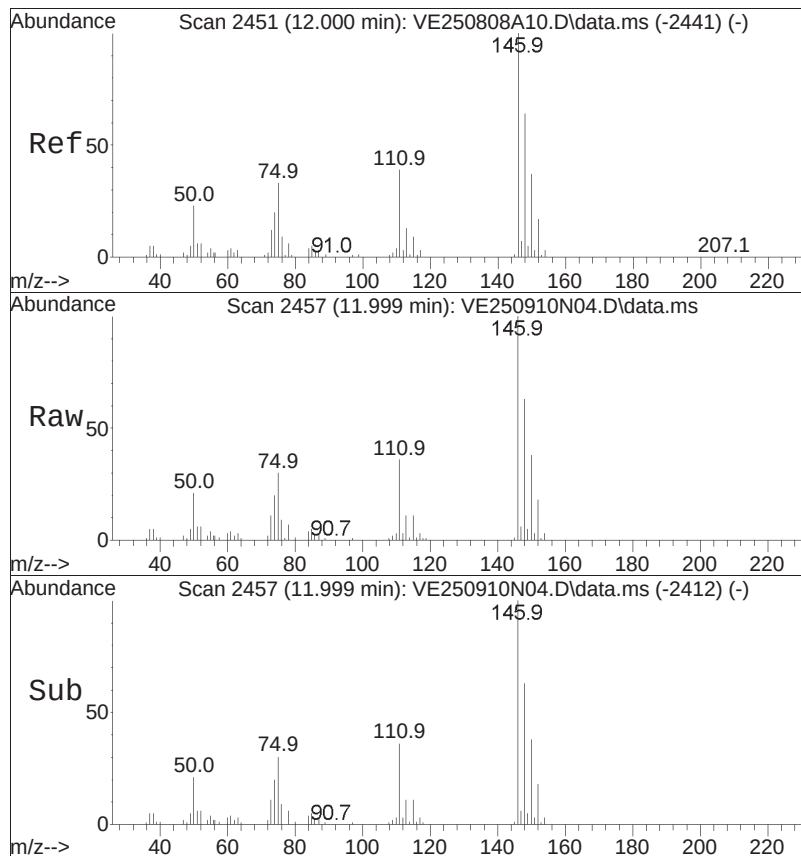




#105
 1,3-Dichlorobenzene
 Concen: 11.15 ug/L
 RT: 11.902 min Scan# 2435
 Delta R.T. -0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

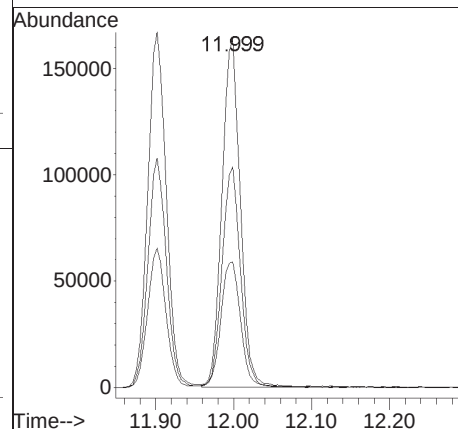
Tgt	Ion:146	Resp:	276562
Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.2	56.6
148	63.9	41.7	86.5

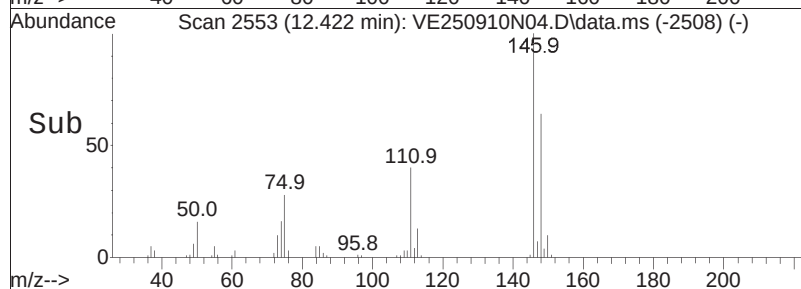
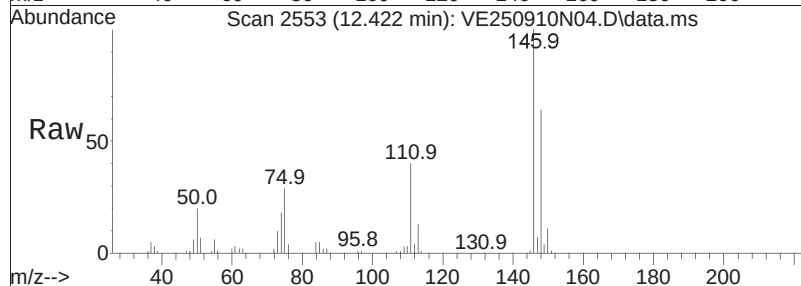
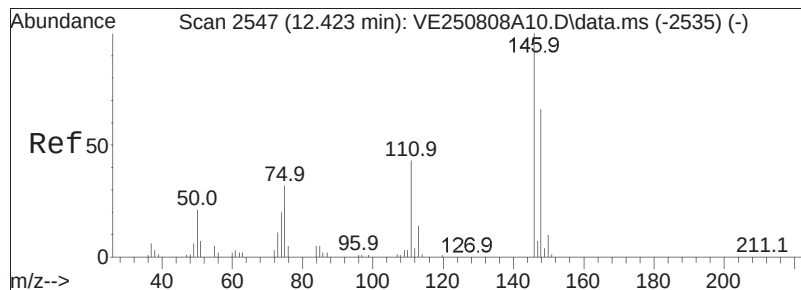




#106
 1,4-Dichlorobenzene
 Concen: 11.06 ug/L
 RT: 11.999 min Scan# 2457
 Delta R.T. -0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

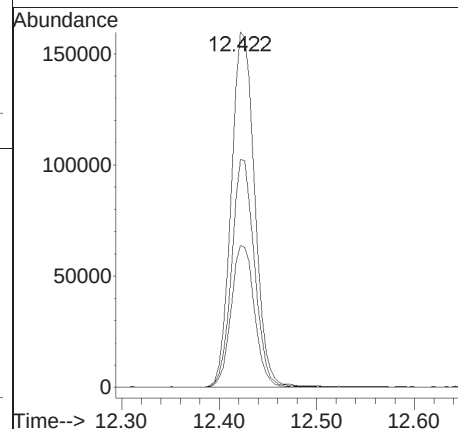
Tgt	Ion:146	Resp:	268533
Ion	Ratio	Lower	Upper
146	100		
111	38.8	32.8	49.2
148	63.9	51.2	76.8

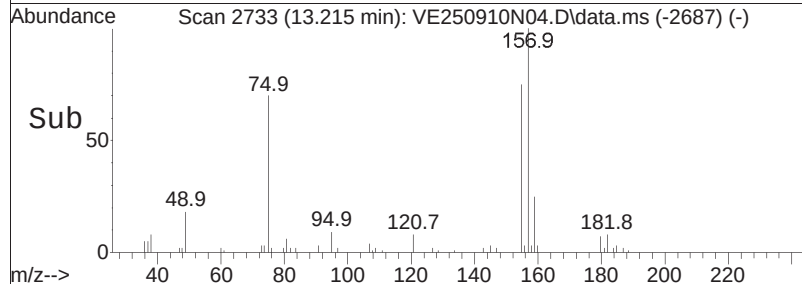
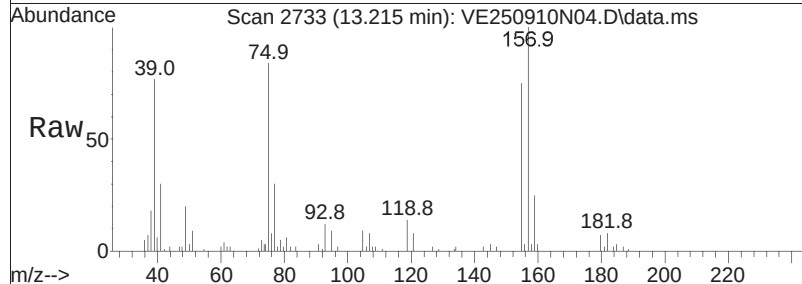
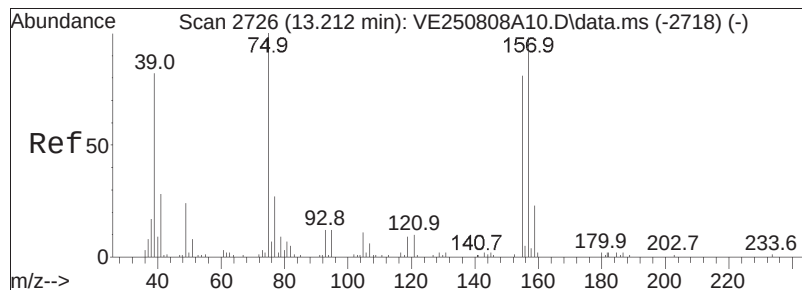




#109
 1,2-Dichlorobenzene
 Concen: 11.41 ug/L
 RT: 12.422 min Scan# 2553
 Delta R.T. -0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

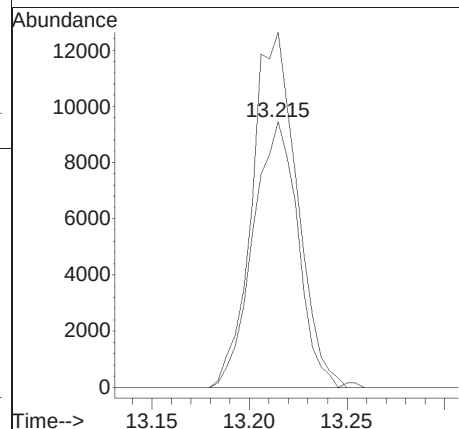
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.8	57.8
148	62.4	42.3	87.9

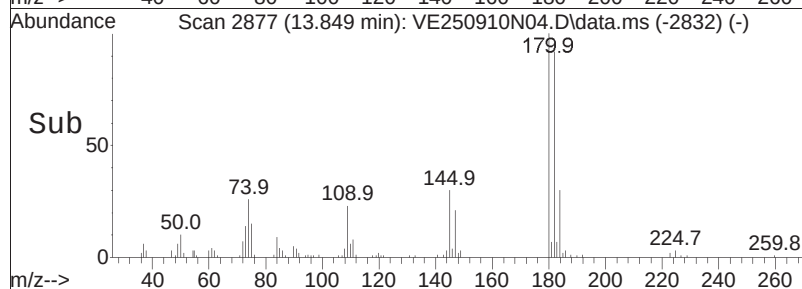
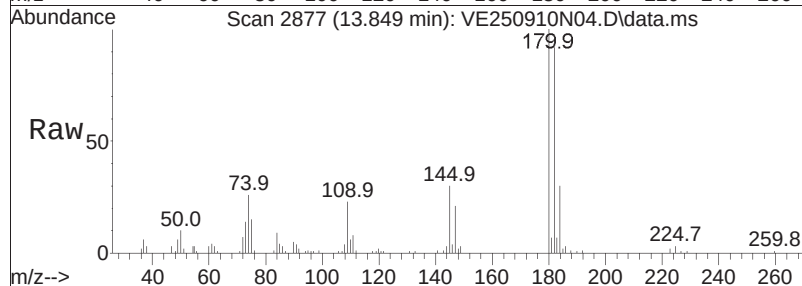
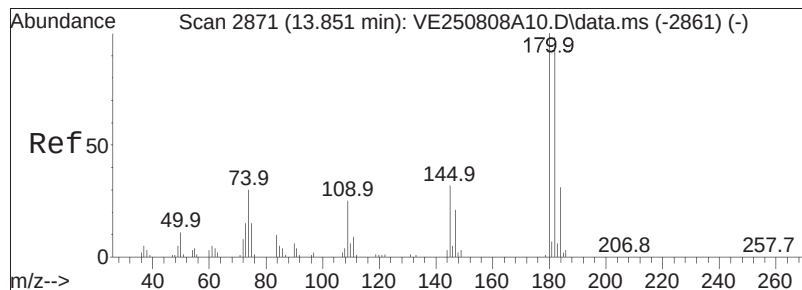




#111
 1,2-Dibromo-3-chloropropane
 Concen: 9.07 ug/L
 RT: 13.215 min Scan# 2733
 Delta R.T. 0.003 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

Tgt Ion	Ratio	Lower	Upper
155	100		
157	133.7	102.8	154.2





#114

1,2,4-Trichlorobenzene

Concen: 10.97 ug/L

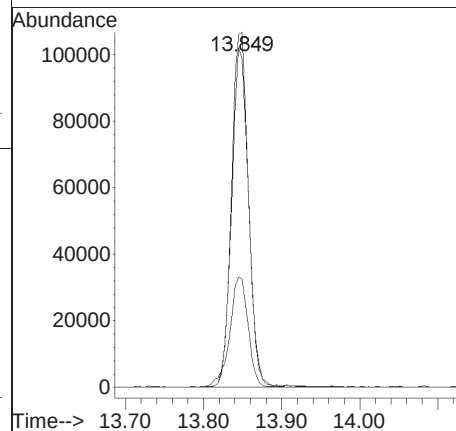
RT: 13.849 min Scan# 2877

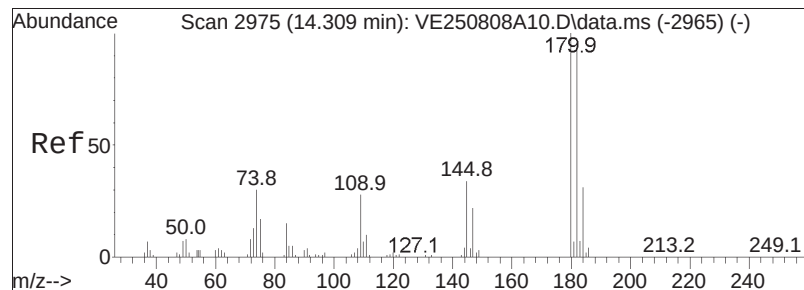
Delta R.T. -0.001 min

Lab File: VE250910N04.D

Acq: 10 Sep 2025 9:41 pm

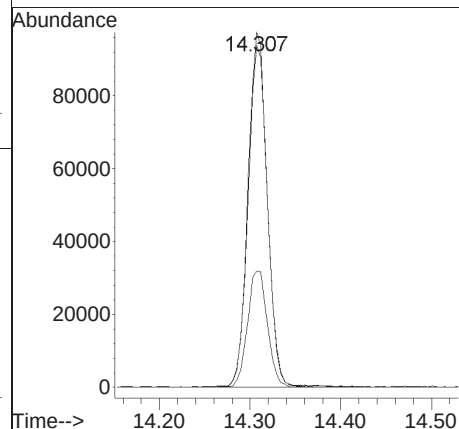
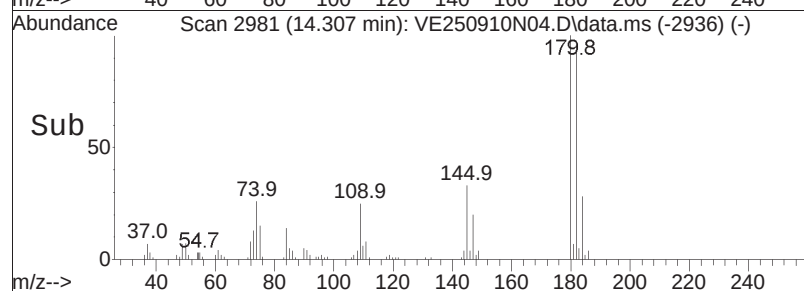
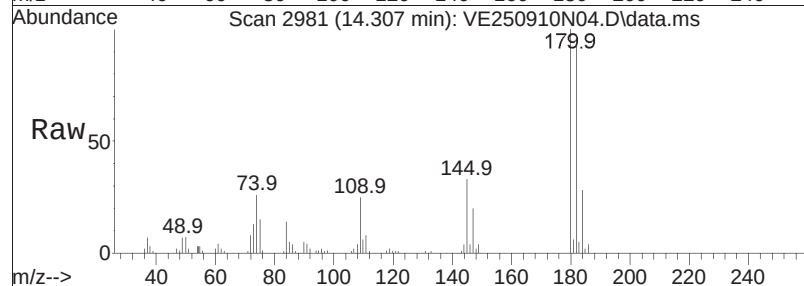
Tgt Ion:	180	Resp:	163295
Ion Ratio	Lower	Upper	
180	100		
182	94.7	77.0	115.4
145	33.5	28.9	43.3





#116
 1,2,3-Trichlorobenzene
 Concen: 10.91 ug/L
 RT: 14.307 min Scan# 2981
 Delta R.T. -0.001 min
 Lab File: VE250910N04.D
 Acq: 10 Sep 2025 9:41 pm

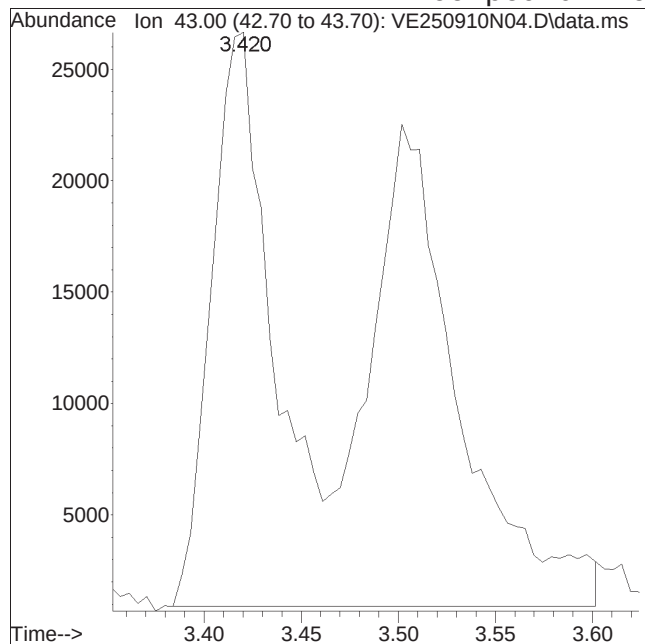
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
145	33.9	27.1	40.7



Manual Integration Report

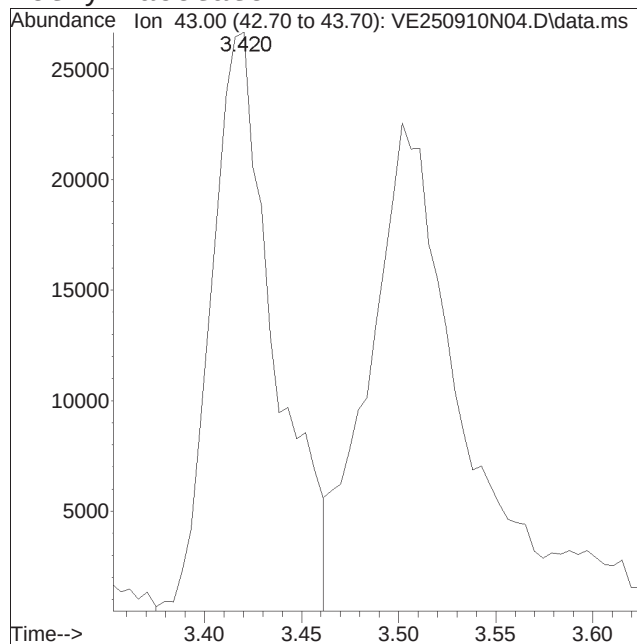
Data Path : K:\Elaine\2025\250910A\ QMethod : Elaine_250808A_8260.m
Data File : VE250910N04.D Operator : ELAINE:mjv
Date Inj'd : 9/10/2025 9:41 pm Instrument : Elaine
Sample : WG2113365-4,31,10,10 Quant Date : 9/11/2025 7:43 am

Compound #19: Methyl acetate



Original Peak Response = 126099

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 59200 M6

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A02.D
 Acq On : 11 Sep 2025 7:44 am
 Operator : VOA105:PID
 Sample : WG2113542-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 08:10:46 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	305601	10.000	ug/L	0.00
Standard Area 1 = 298590			Recovery	=	102.35%	
59) Chlorobenzene-d5	8.985	117	216696	10.000	ug/L	0.00
Standard Area 1 = 215521			Recovery	=	100.55%	
79) 1,4-Dichlorobenzene-d4	11.797	152	126980	10.000	ug/L	0.00
Standard Area 1 = 125132			Recovery	=	101.48%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	85064	9.778	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	97.78%	
43) 1,2-Dichloroethane-d4	5.245	65	118964	9.555	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	95.55%	
60) Toluene-d8	7.164	98	300740	10.460	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	104.60%	
83) 4-Bromofluorobenzene	10.538	95	115610	10.018	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	100.18%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.430	85	95148	9.470	ug/L	99
3) Chloromethane	1.595	50	99248	12.234	ug/L	97
4) Vinyl chloride	1.650	62	119059	12.777	ug/L	98
5) Bromomethane	1.925	94	30401	7.492	ug/L	98
6) Chloroethane	2.021	64	68339	12.642	ug/L	100
7) Trichlorofluoromethane	2.144	101	154619	10.371	ug/L	100
10) 1,1-Dichloroethene	2.590	96	73913	11.538	ug/L	97
11) Carbon disulfide	2.618	76	264222	12.134	ug/L	99
12) Freon-113	2.618	101	82498	11.979	ug/L	90
15) Methylene chloride	3.112	84	81053	10.735	ug/L	98
17) Acetone	3.174	43	14045	9.871	ug/L	98
18) trans-1,2-Dichloroethene	3.249	96	76324	10.411	ug/L	93
19) Methyl acetate	3.277	43	36910	10.562	ug/L	96
20) Methyl tert-butyl ether	3.345	73	177727	9.573	ug/L	97
23) 1,1-Dichloroethane	3.805	63	174756	10.244	ug/L	97
28) cis-1,2-Dichloroethene	4.306	96	86359	10.664	ug/L	92
30) Bromochloromethane	4.492	128	36303	10.895	ug/L	99
31) Cyclohexane	4.471	56	178828	10.854	ug/L	99
32) Chloroform	4.560	83	154617	9.874	ug/L	99
34) Carbon tetrachloride	4.677	117	119189	8.938	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A02.D
 Acq On : 11 Sep 2025 7:44 am
 Operator : VOA105:PID
 Sample : WG2113542-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 08:10:46 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	4.739	97	140071	9.570	ug/L	98
39)	2-Butanone	4.862	43	21610	10.110	ug/L	100
41)	Benzene	5.097	78	345240	11.146	ug/L	96
44)	1,2-Dichloroethane	5.308	62	118527	9.565	ug/L	100
47)	Methylcyclohexane	5.654	83	128304	9.758	ug/L	94
48)	Trichloroethene	5.682	95	82914	9.919	ug/L	100
51)	1,2-Dichloropropane	6.212	63	89308	10.237	ug/L	97
54)	Bromodichloromethane	6.296	83	114631	9.746	ug/L	96
58)	cis-1,3-Dichloropropene	6.974	75	118241	10.302	ug/L	97
61)	Toluene	7.221	92	194971	10.852	ug/L	98
62)	4-Methyl-2-pentanone	7.672	58	16713	9.385	ug/L	92
63)	Tetrachloroethene	7.658	166	82685	10.567	ug/L	97
65)	trans-1,3-Dichloropropene	7.722	75	99233	9.536	ug/L	97
68)	1,1,2-Trichloroethane	7.898	83	48891	11.420	ug/L	96
69)	Chlorodibromomethane	8.103	129	67655	10.076	ug/L	99
71)	1,2-Dibromoethane	8.371	107	51686	10.613	ug/L	100
72)	2-Hexanone	8.674	43	26166	9.519	ug/L	97
73)	Chlorobenzene	9.006	112	205556	10.884	ug/L	100
74)	Ethylbenzene	9.041	91	385975	10.876	ug/L	99
76)	p/m Xylene	9.231	106	276892	22.140	ug/L	98
77)	o Xylene	9.775	106	264213	22.339	ug/L	95
78)	Styrene	9.852	104	449132	23.029	ug/L	96
80)	Bromoform	9.874	173	41724	9.789	ug/L	100
82)	Isopropylbenzene	10.184	105	367236	10.545	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.814	83	67263	12.025	ug/L	97
100)	1,3-Dichlorobenzene	11.712	146	162826	10.899	ug/L	99
101)	1,4-Dichlorobenzene	11.811	146	163689	10.788	ug/L	99
104)	1,2-Dichlorobenzene	12.243	146	145744	10.845	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.042	155	8299	8.730	ug/L	96
109)	1,2,4-Trichlorobenzene	13.671	180	94807	10.223	ug/L	98
111)	1,2,3-Trichlorobenzene	14.138	180	84898	10.638	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

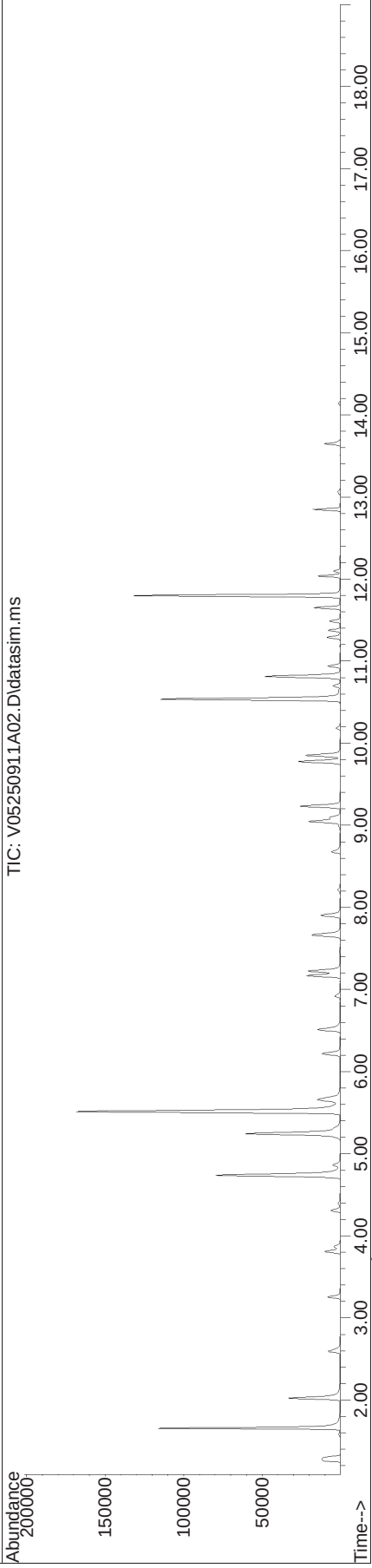
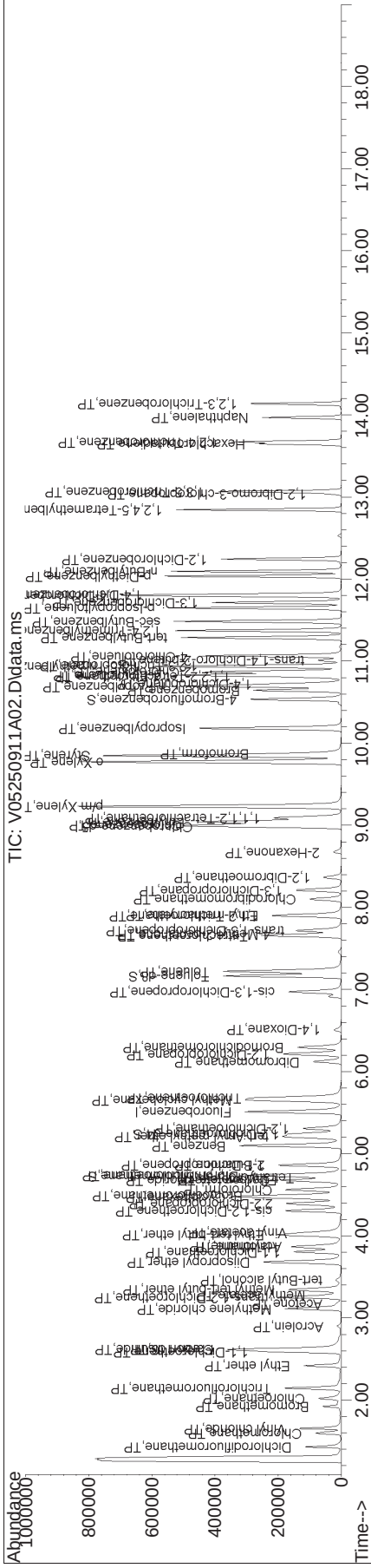
Quantitation Report

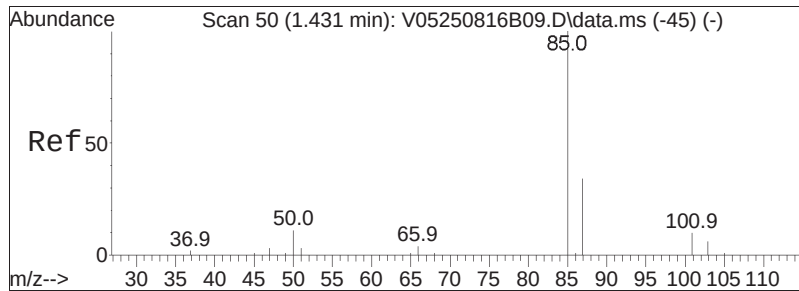
(QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
Data File : V05250911A02.D
Acq On : 11 Sep 2025 7:44 am
Operator : VOA105:PID
Sample : WG2113542-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2113542, ICAL22558 (Sig #1); WG, ICAL22558 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 08:10:46 2025
Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:47:41 2025
Response via : Initial Calibration

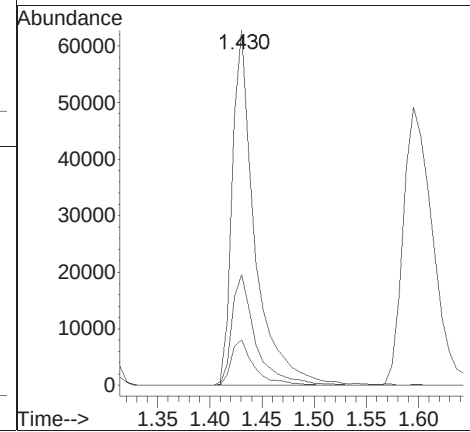
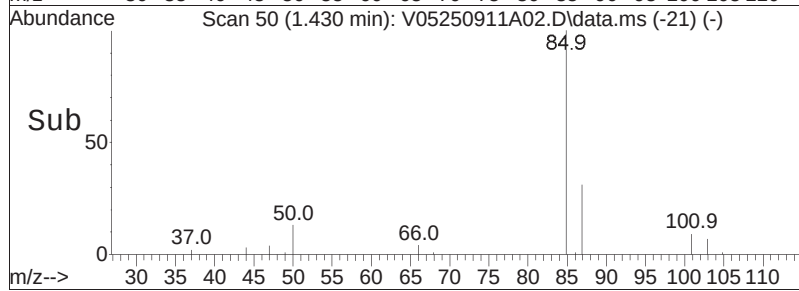
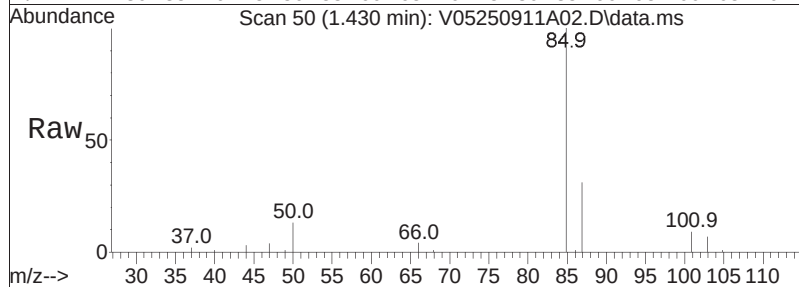
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

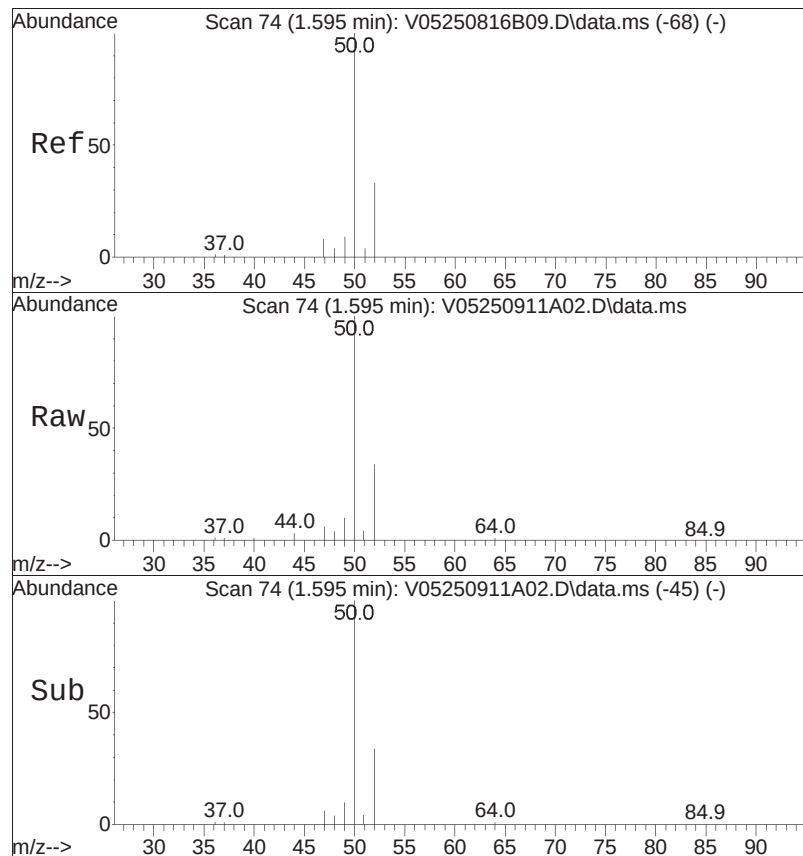




#2
 Dichlorodifluoromethane
 Concen: 9.47 ug/L
 RT: 1.430 min Scan# 50
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

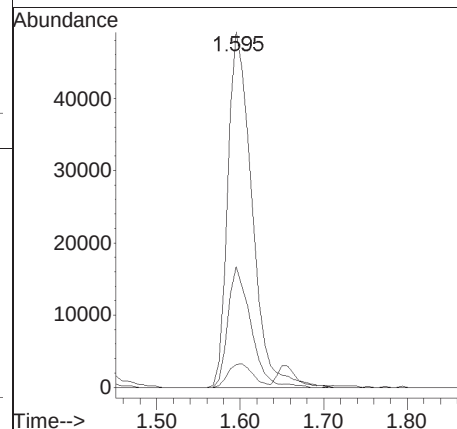
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	95148		
87	32.5		21.2	44.0
50	13.0		7.9	16.3

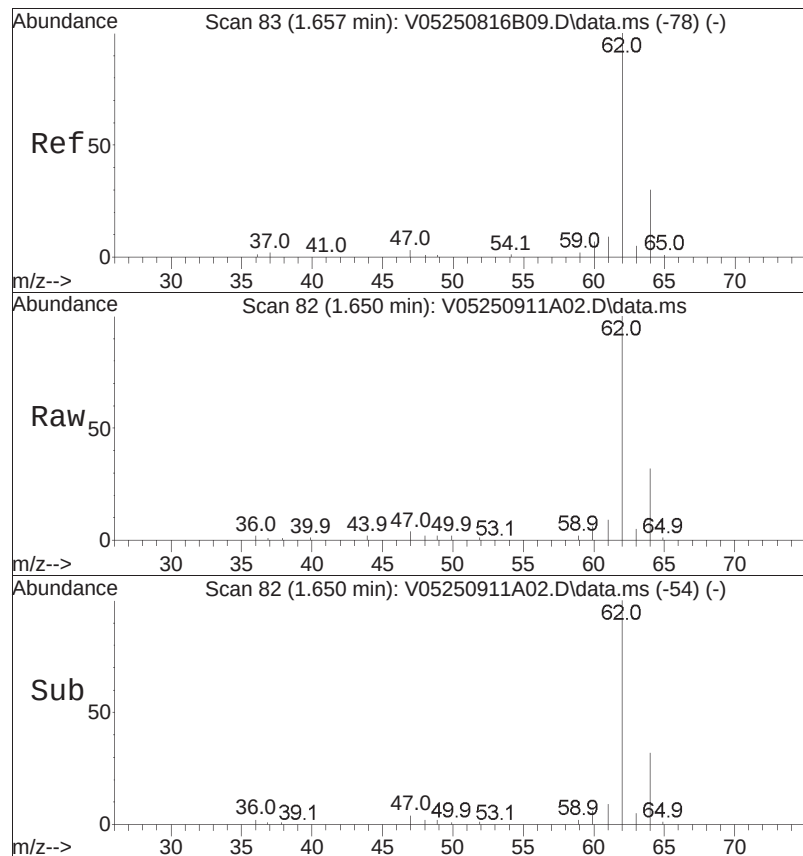




#3
 Chloromethane
 Concen: 12.23 ug/L
 RT: 1.595 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

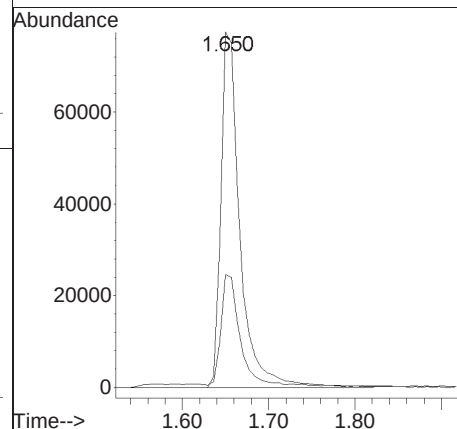
Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.1	13.6	53.6
47	6.9	0.0	27.6

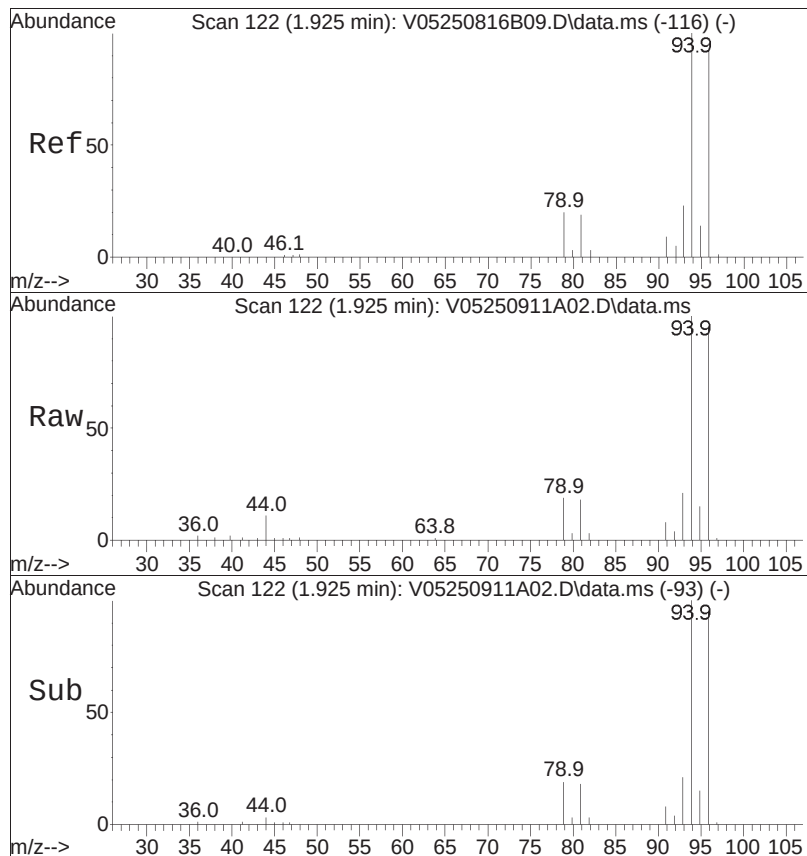




#4
 Vinyl chloride
 Concen: 12.78 ug/L
 RT: 1.650 min Scan# 82
 Delta R.T. -0.007 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

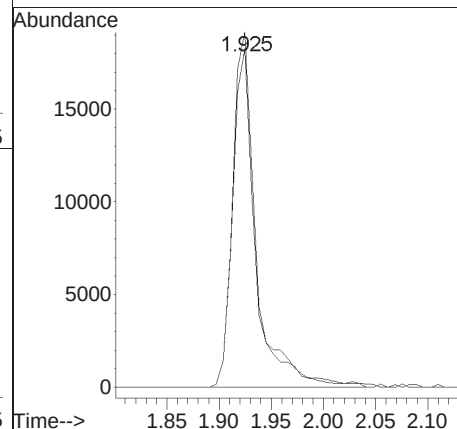
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.7	10.7	50.7

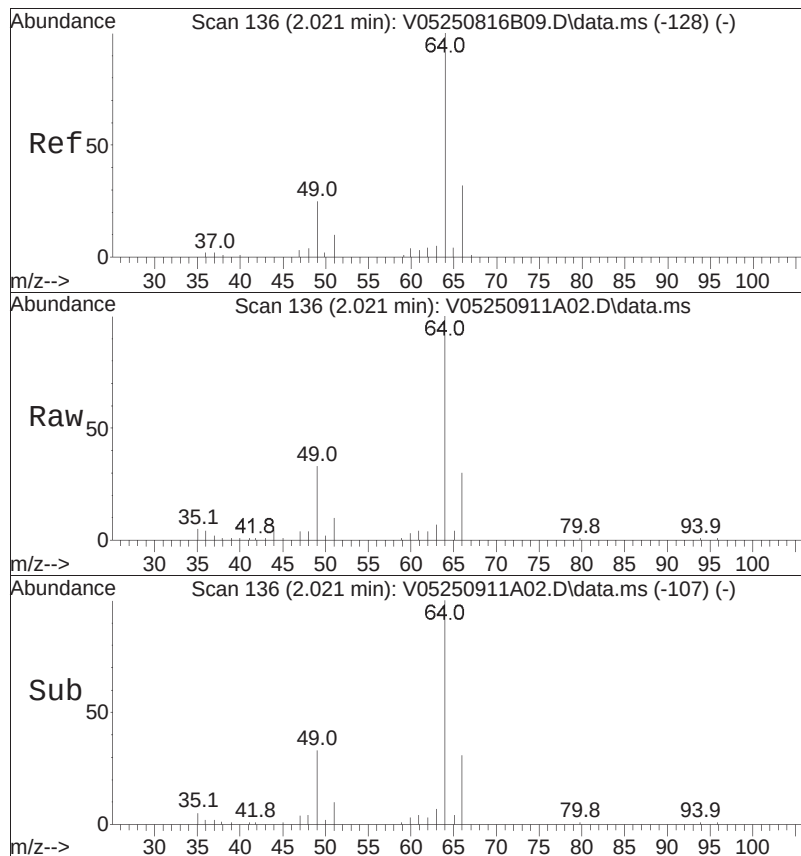




#5
 Bromomethane
 Concen: 7.49 ug/L
 RT: 1.925 min Scan# 122
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

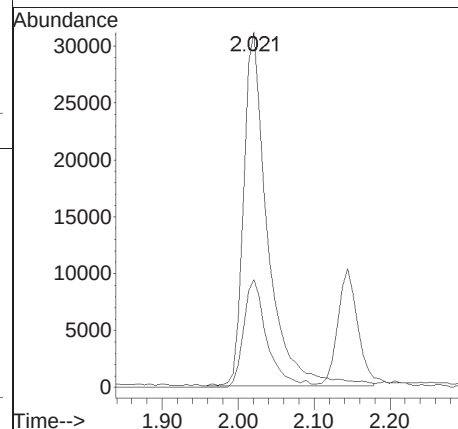
Tgt Ion: 94 Resp: 30401
 Ion Ratio Lower Upper
 94 100
 96 92.8 71.2 111.2

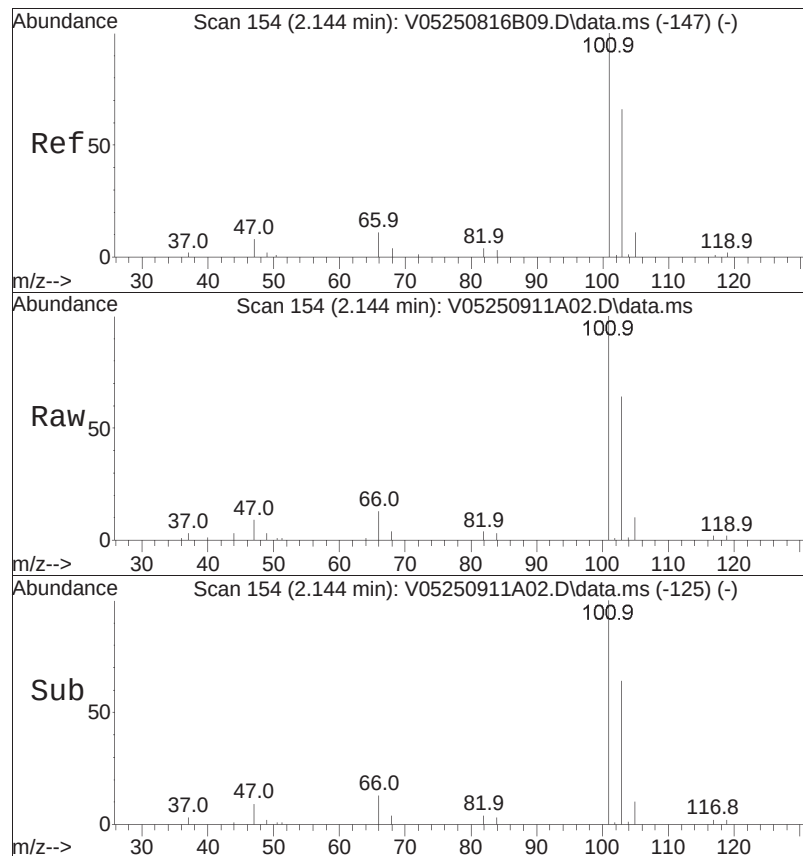




#6
 Chloroethane
 Concen: 12.64 ug/L
 RT: 2.021 min Scan# 136
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

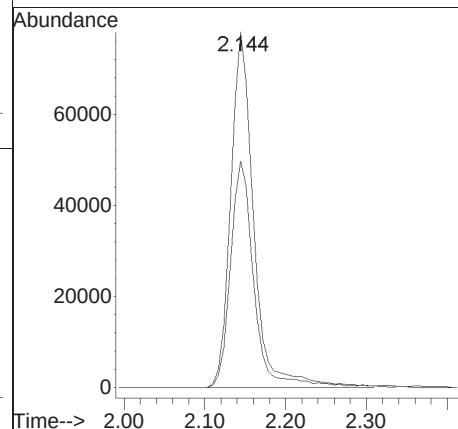
Tgt Ion: 64 Resp: 68339
 Ion Ratio Lower Upper
 64 100
 66 29.8 10.1 50.1

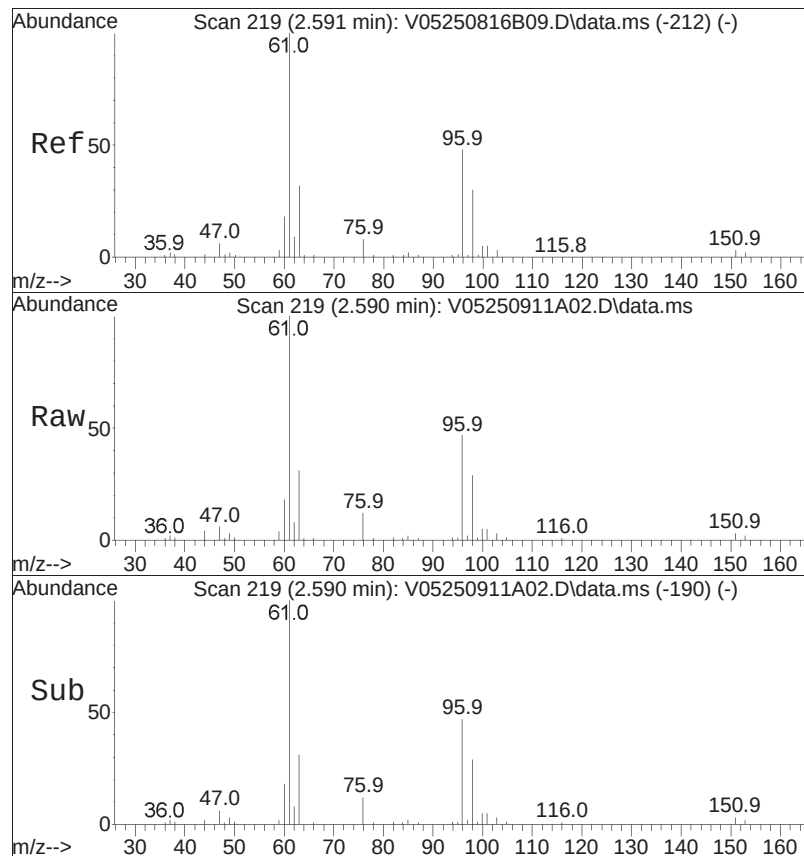




#7
 Trichlorofluoromethane
 Concen: 10.37 ug/L
 RT: 2.144 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

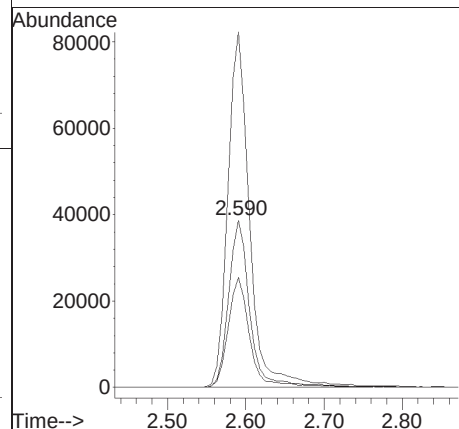
Tgt	Ion	Ratio	Lower	Upper
101	100			
103	64.8	51.8	77.8	

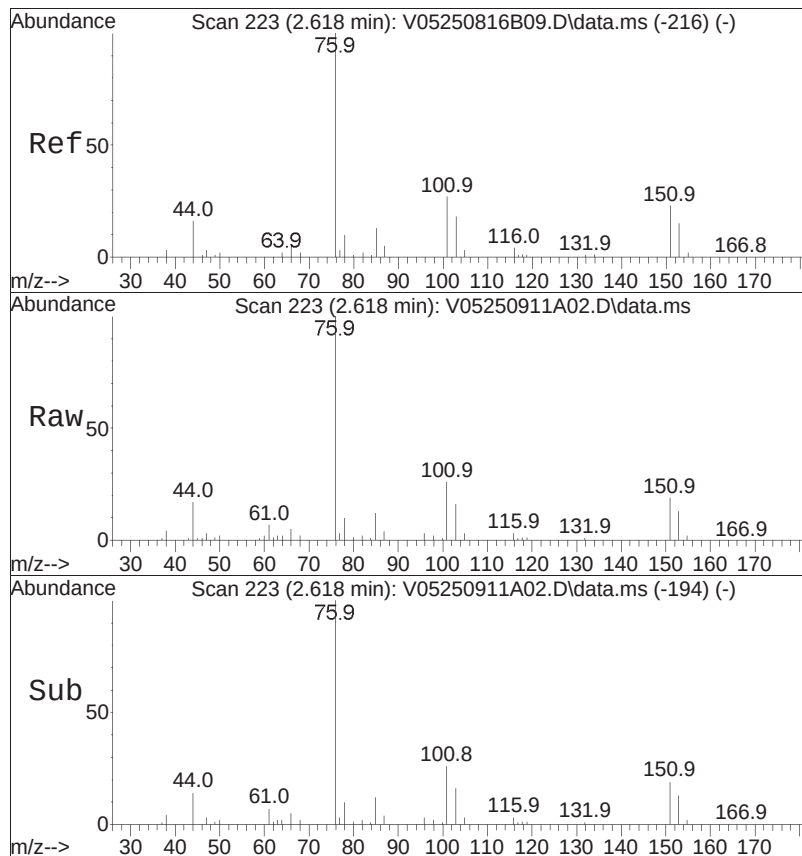




#10
 1,1-Dichloroethene
 Concen: 11.54 ug/L
 RT: 2.590 min Scan# 219
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

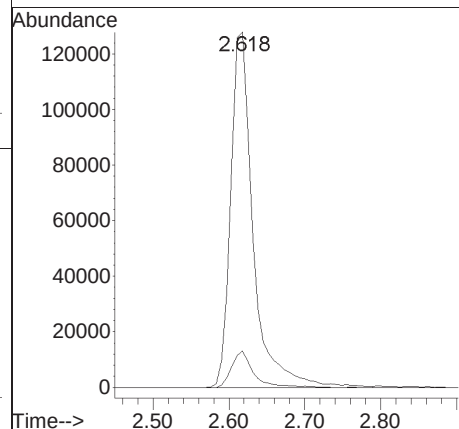
Tgt Ion:	96	Resp:	73913
Ion Ratio	Lower	Upper	
96	100		
61	216.9	169.4	254.2
63	67.1	52.9	79.3

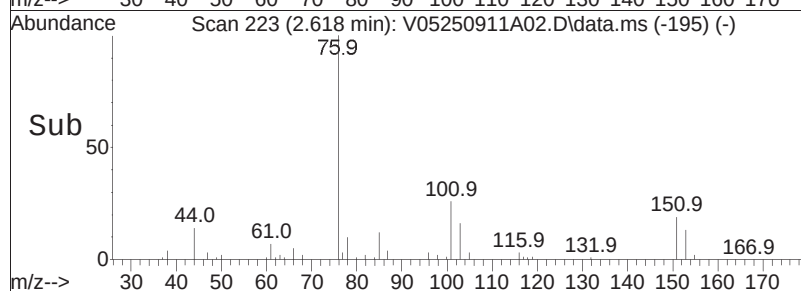
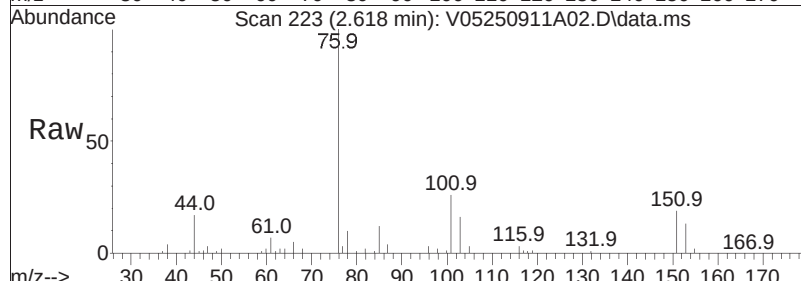
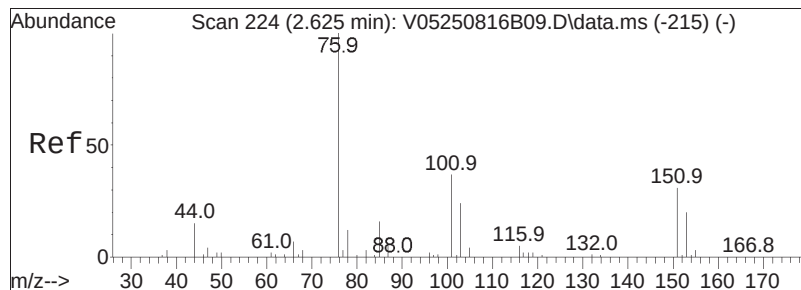




#11
 Carbon disulfide
 Concen: 12.13 ug/L
 RT: 2.618 min Scan# 223
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

Tgt Ion:	76	Resp:	264222
Ion Ratio	100	Lower	Upper
78	10.0	6.8	14.2





#12

Freon-113

Concen: 11.98 ug/L

RT: 2.618 min Scan# 223

Delta R.T. -0.007 min

Lab File: V05250911A02.D

Acq: 11 Sep 2025 7:44 am

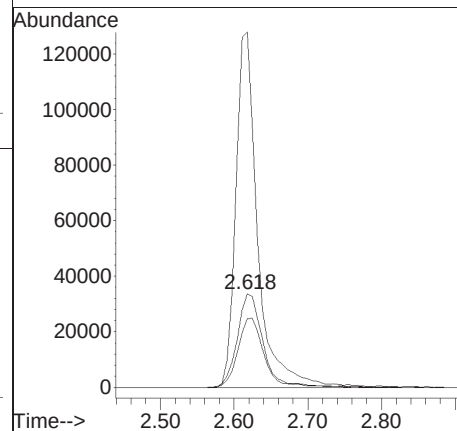
Tgt Ion:101 Resp: 82498

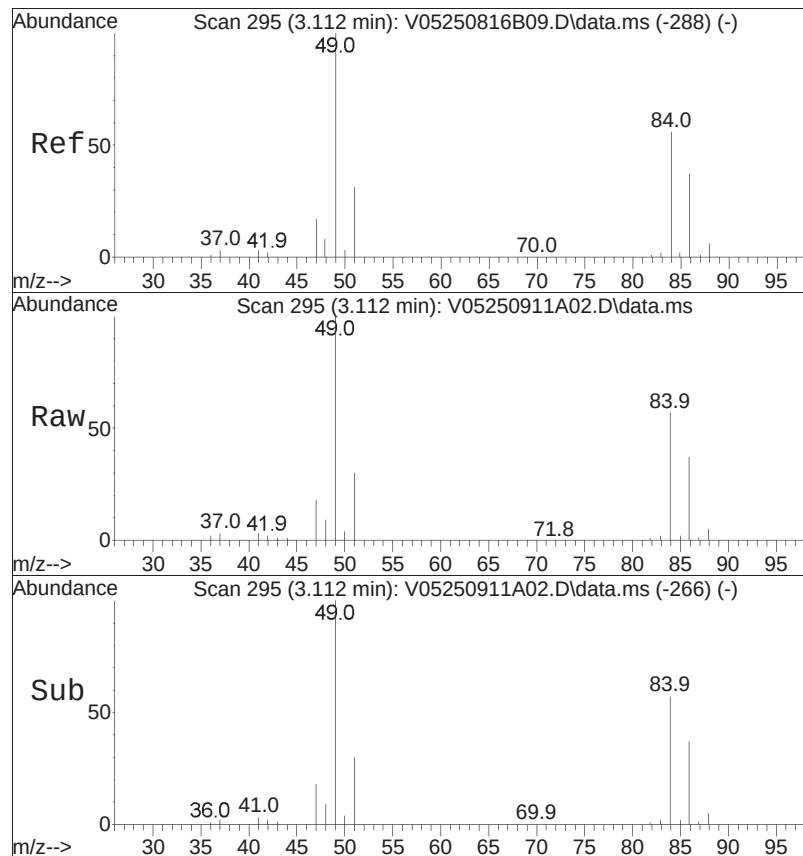
Ion Ratio Lower Upper

101 100

151 74.7 67.0 100.6

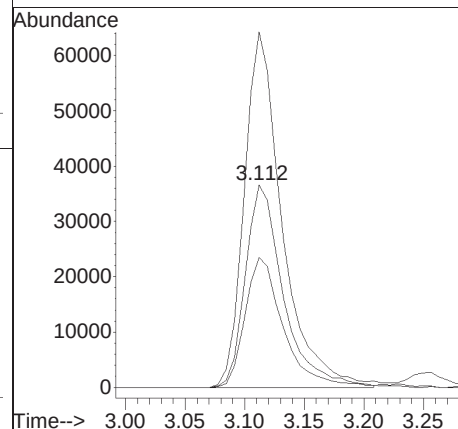
76 320.3 239.8 359.8

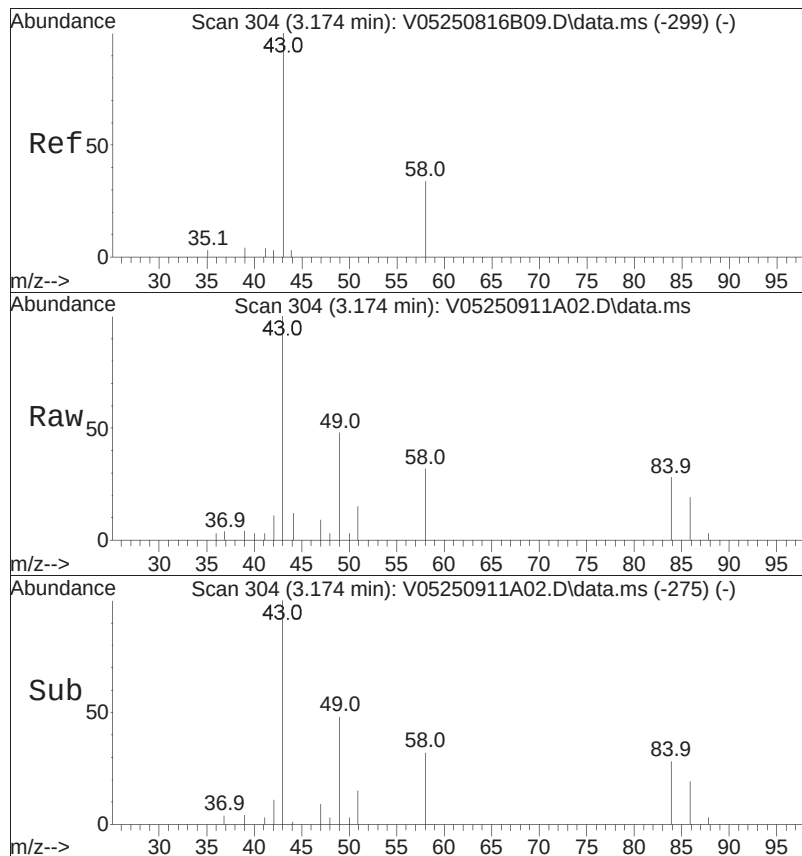




#15
 Methylene chloride
 Concen: 10.73 ug/L
 RT: 3.112 min Scan# 295
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

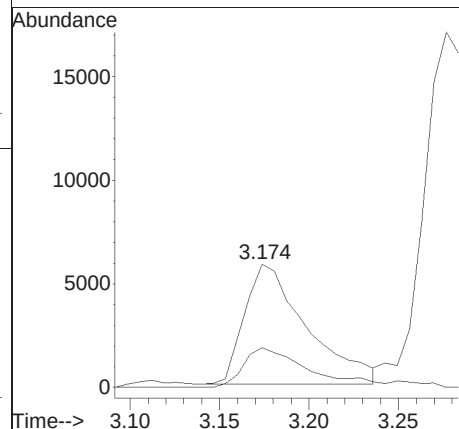
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	65.2	43.2	89.8	
49	175.2	116.4	241.8	

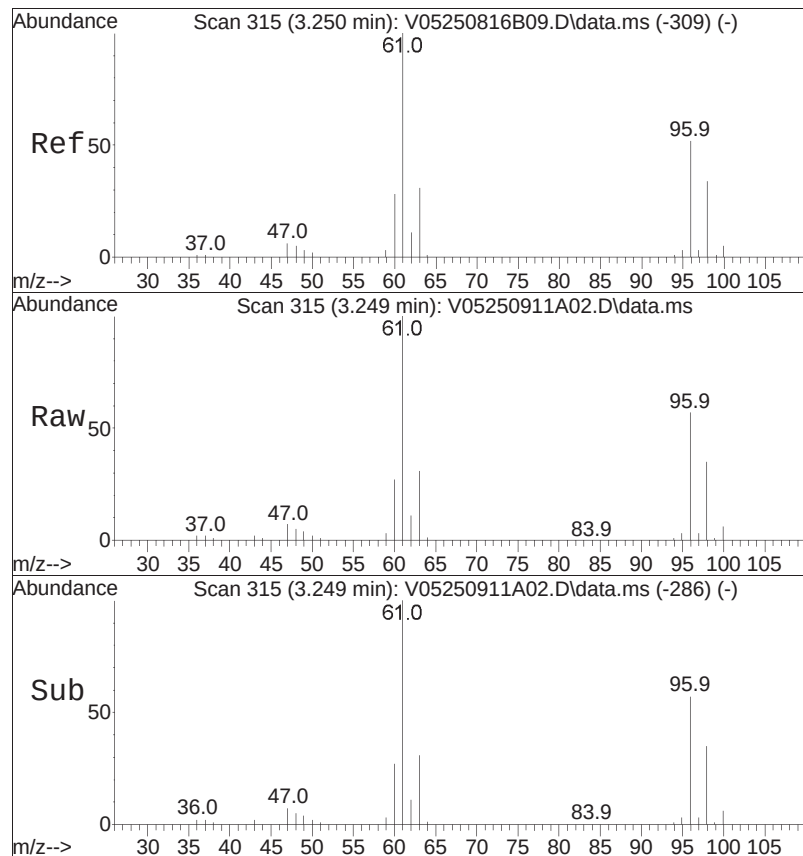




#17
Acetone
Concen: 9.87 ug/L
RT: 3.174 min Scan# 304
Delta R.T. -0.000 min
Lab File: V05250911A02.D
Acq: 11 Sep 2025 7:44 am

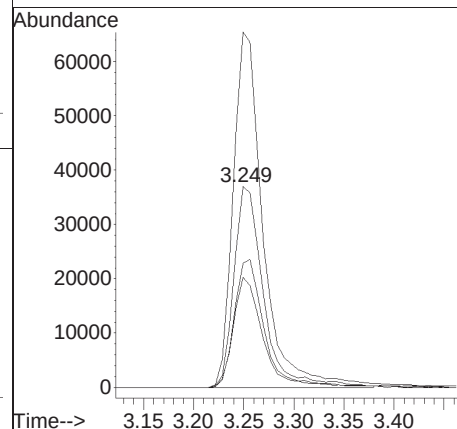
Tgt Ion:	43	58	Ratio	100	34.4	Resp:	14045	Lower	Upper
43	100								
58		34.4						26.6	40.0

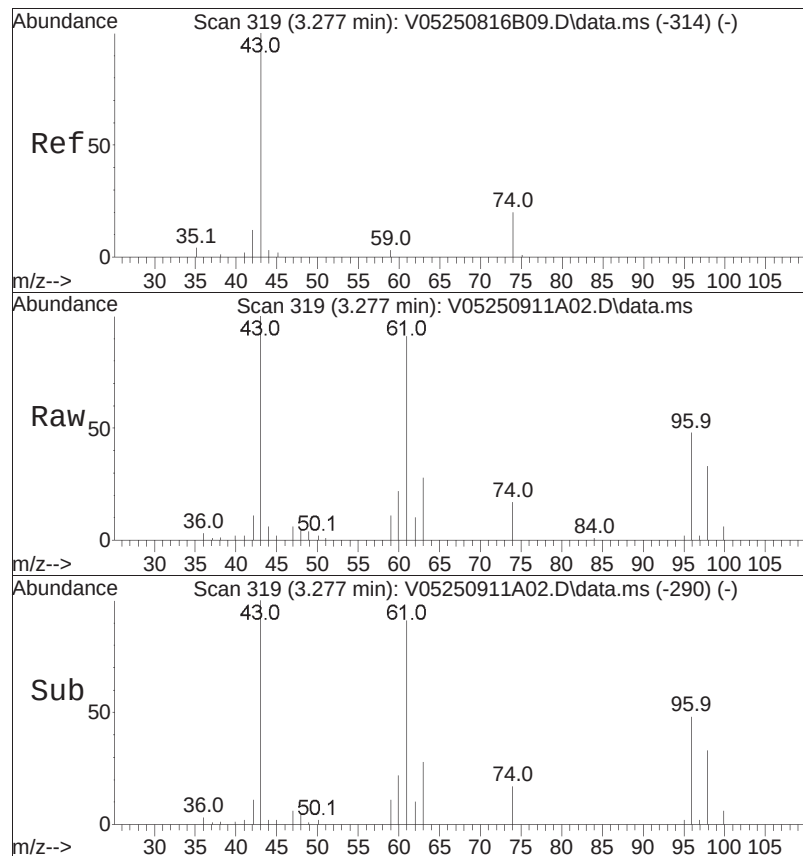




#18
 trans-1,2-Dichloroethene
 Concen: 10.41 ug/L
 RT: 3.249 min Scan# 315
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

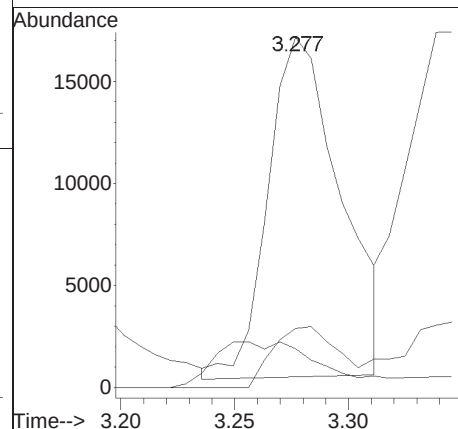
Tgt Ion: 96	Resp: 76324
Ion Ratio	Lower Upper
96 100	
61 179.5	125.3 260.1
98 65.2	42.8 89.0
63 54.4	38.7 80.3

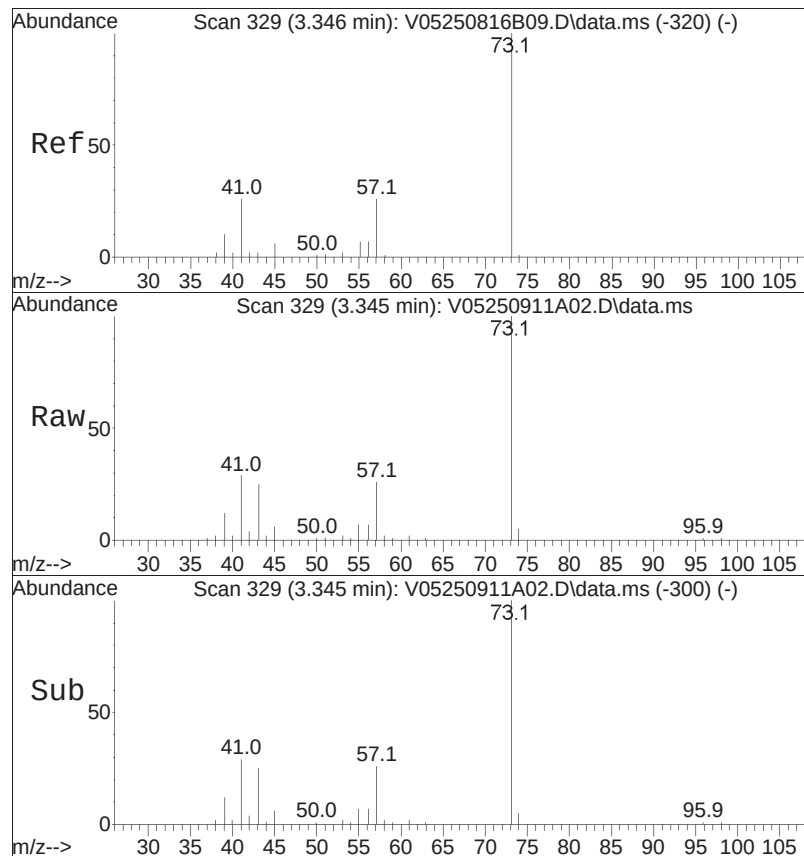




#19
Methyl acetate
Concen: 10.56 ug/L
RT: 3.277 min Scan# 319
Delta R.T. -0.000 min
Lab File: V05250911A02.D
Acq: 11 Sep 2025 7:44 am

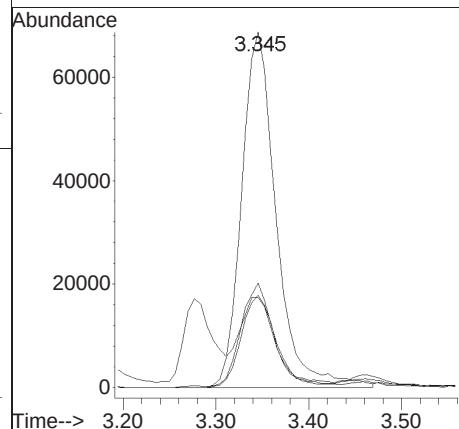
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	36910		
74	16.1		14.4	21.6
59	20.7		17.9	26.9

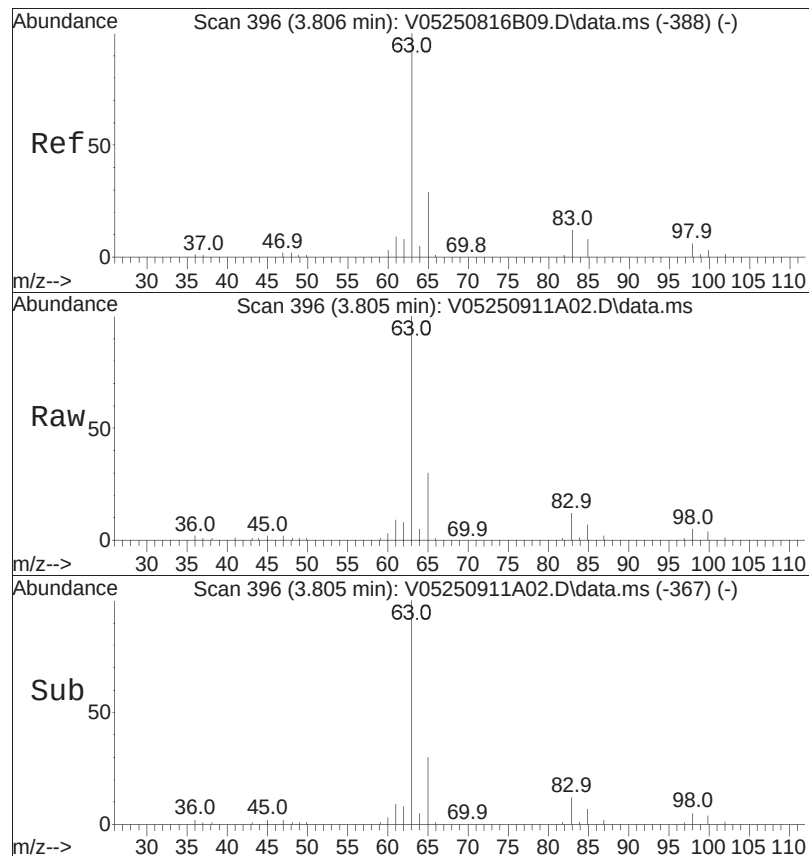




#20
Methyl tert-butyl ether
Concen: 9.57 ug/L
RT: 3.345 min Scan# 329
Delta R.T. -0.001 min
Lab File: V05250911A02.D
Acq: 11 Sep 2025 7:44 am

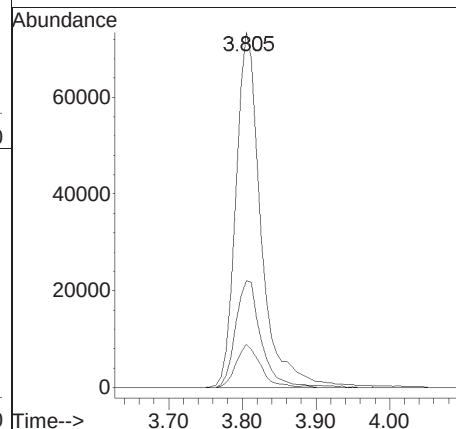
Tgt Ion:	73	Resp:	177727
Ion	Ratio	Lower	Upper
73	100		
57	26.0	16.7	34.7
43	25.0	15.7	32.7
41	28.3	15.9	33.1

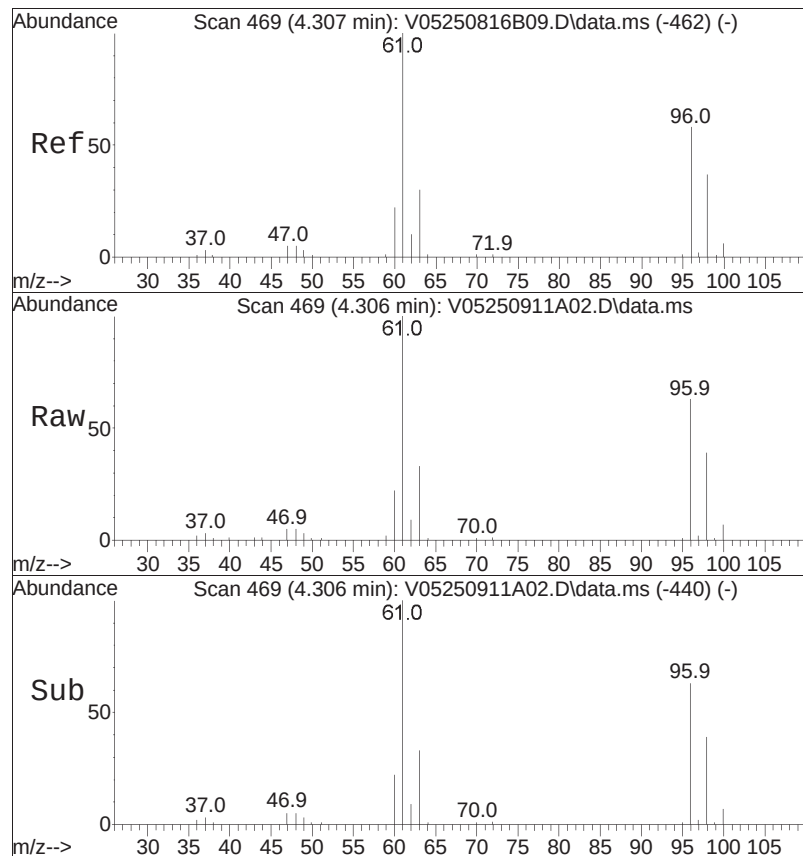




#23
 1,1-Dichloroethane
 Concen: 10.24 ug/L
 RT: 3.805 min Scan# 396
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

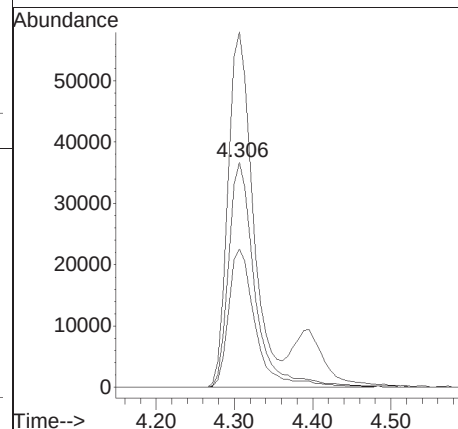
Tgt Ion:	63	Resp:	174756
Ion Ratio	Lower	Upper	
63	100		
65	30.5	8.6	48.6
83	11.6	0.0	31.7

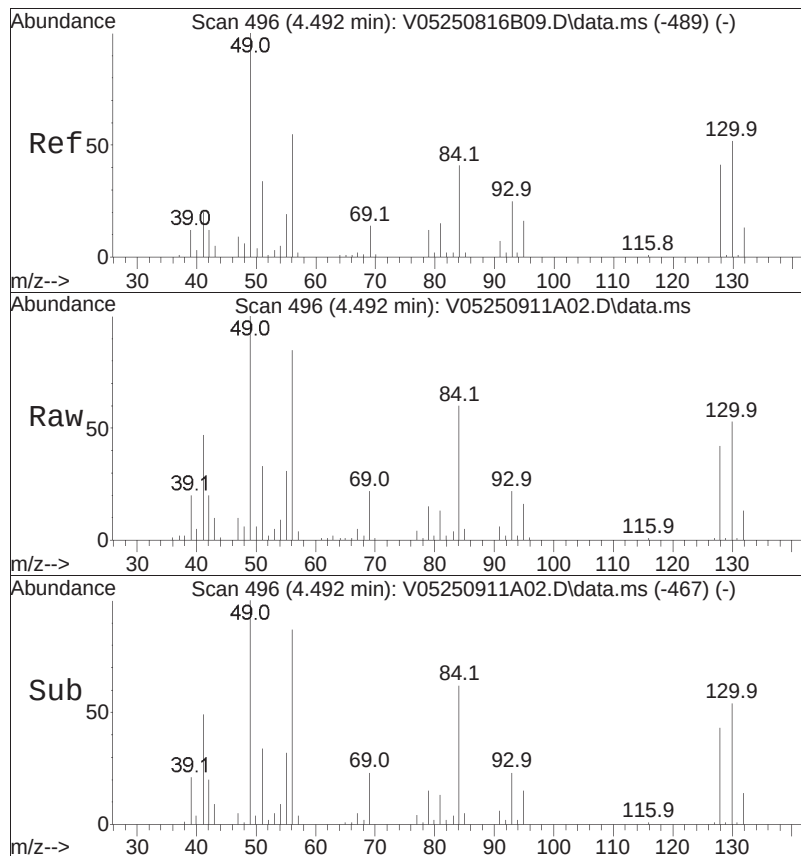




#28
cis-1,2-Dichloroethene
Concen: 10.66 ug/L
RT: 4.306 min Scan# 469
Delta R.T. -0.001 min
Lab File: V05250911A02.D
Acq: 11 Sep 2025 7:44 am

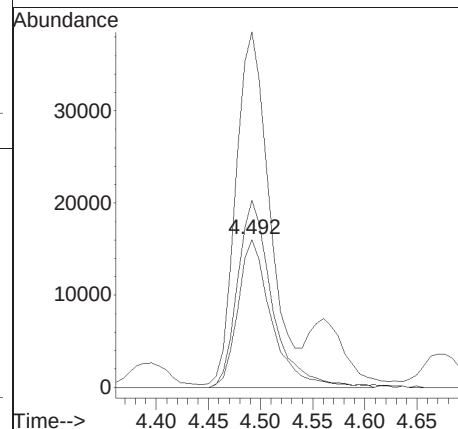
Tgt Ion: 96	Resp: 86359
Ion Ratio	Lower Upper
96 100	
61 149.5	131.4 197.2
98 63.2	49.8 74.8

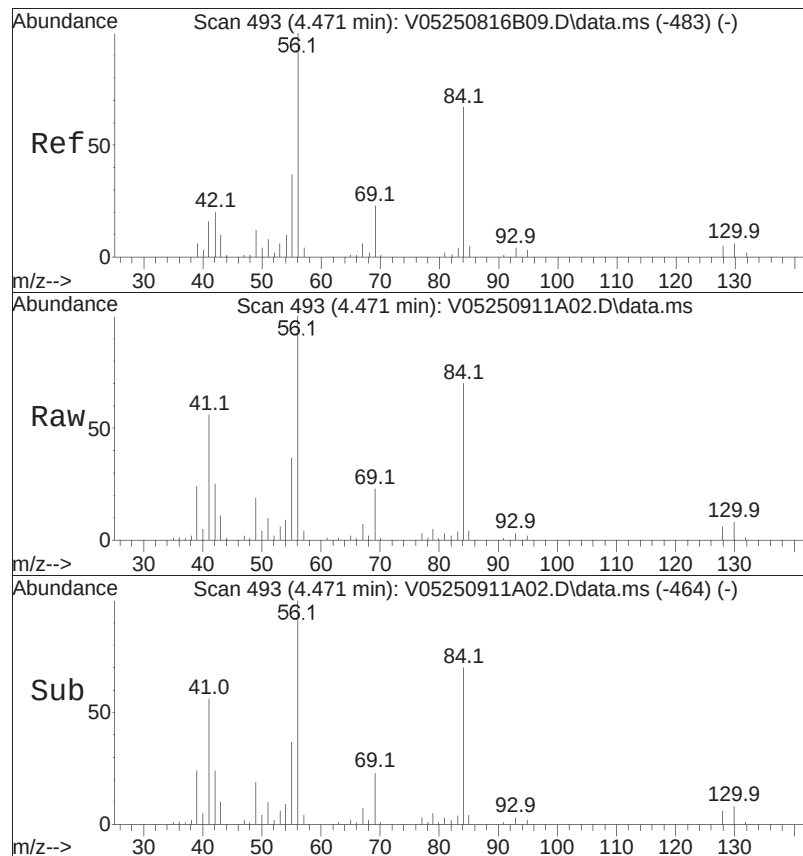




#30
 Bromochloromethane
 Concen: 10.89 ug/L
 RT: 4.492 min Scan# 496
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

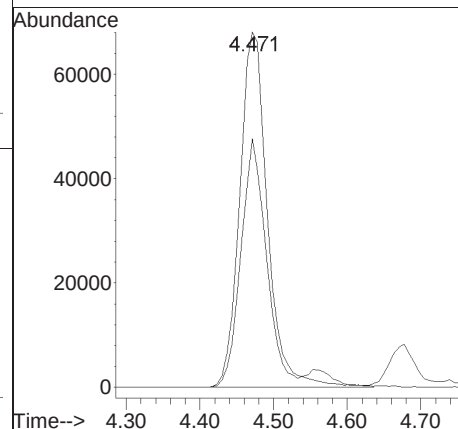
Tgt Ion	Ratio	Lower	Upper
128	100		
49	232.8	186.2	279.4
130	128.8	105.0	157.4

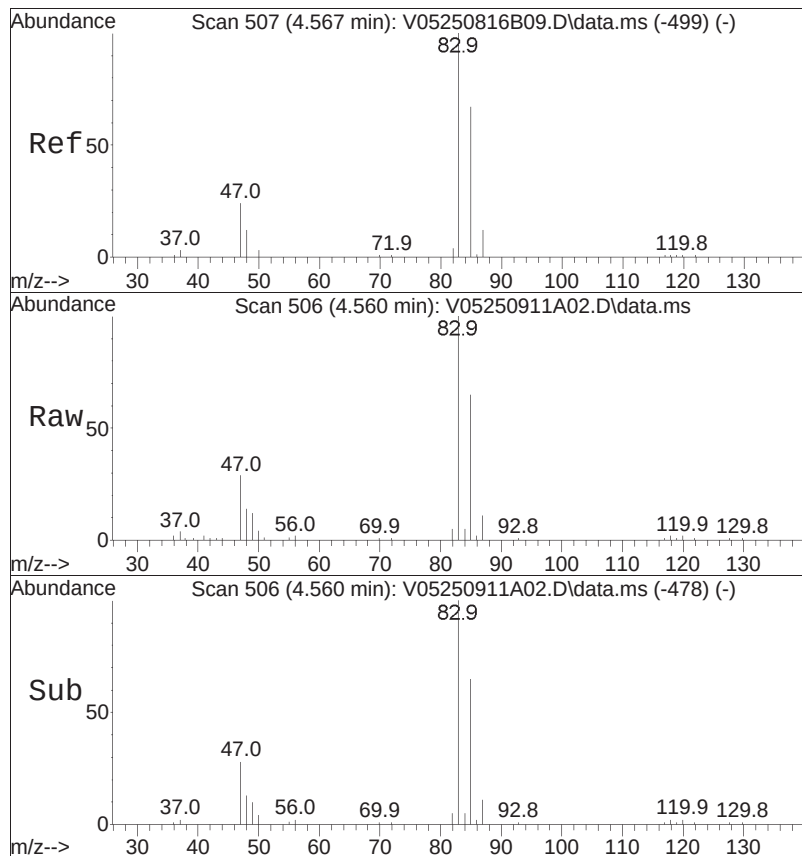




#31
Cyclohexane
Concen: 10.85 ug/L
RT: 4.471 min Scan# 493
Delta R.T. 0.000 min
Lab File: V05250911A02.D
Acq: 11 Sep 2025 7:44 am

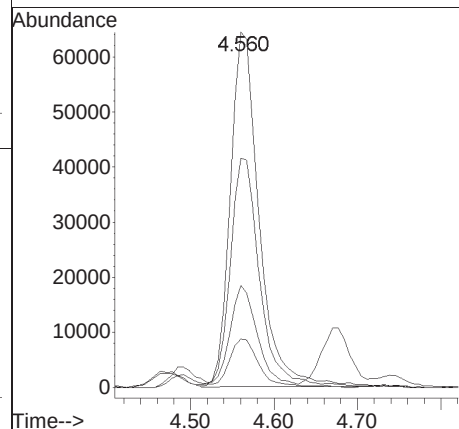
Tgt	Ion	Resp	Lower	Upper
56	100	178828		
84	64.4	41.1	85.5	

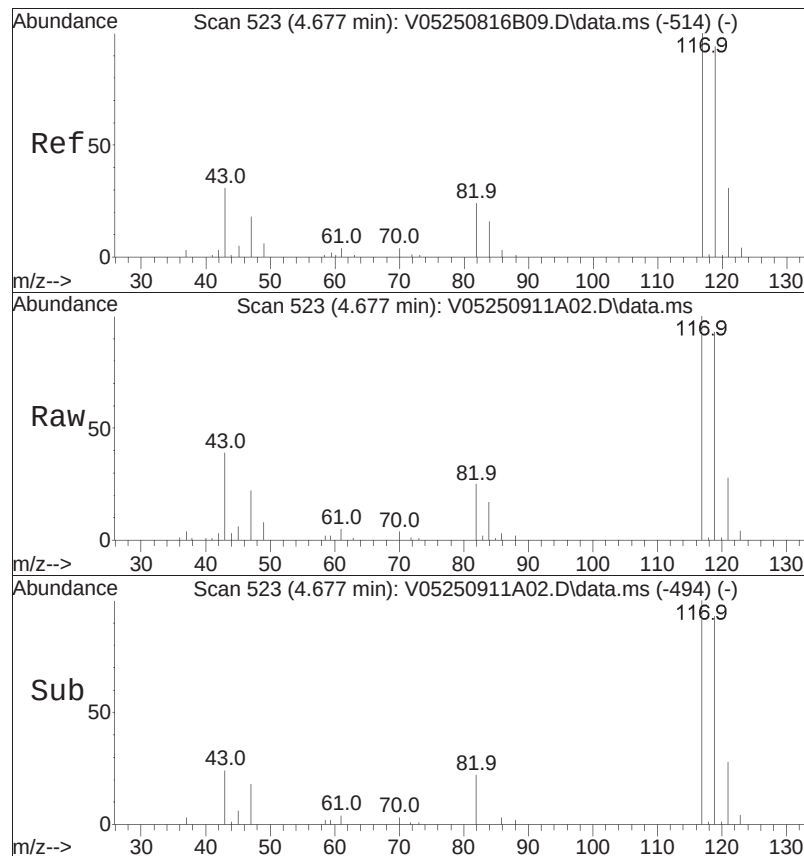




#32
 Chloroform
 Concen: 9.87 ug/L
 RT: 4.560 min Scan# 506
 Delta R.T. -0.007 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

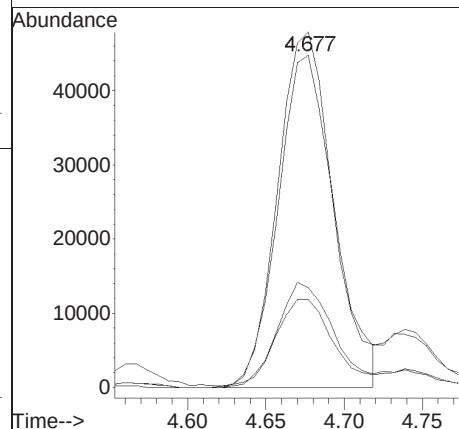
Tgt Ion:	83	Resp:	154617
Ion	Ratio	Lower	Upper
83	100		
85	65.7	42.6	88.4
47	25.4	15.5	32.3
48	13.2	8.4	17.4

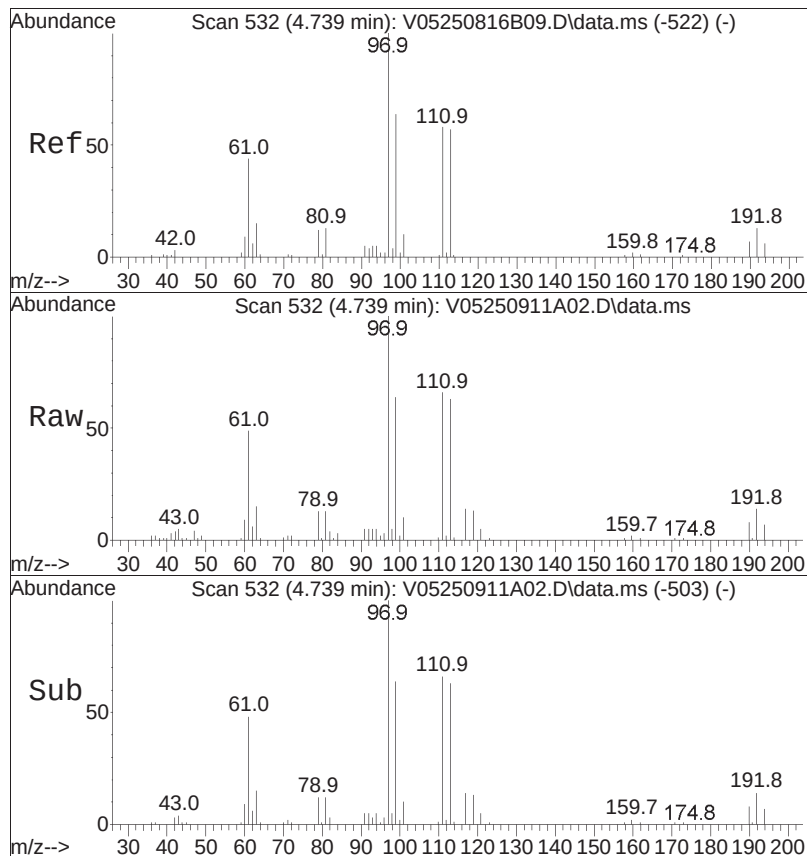




#34
 Carbon tetrachloride
 Concen: 8.94 ug/L
 RT: 4.677 min Scan# 523
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

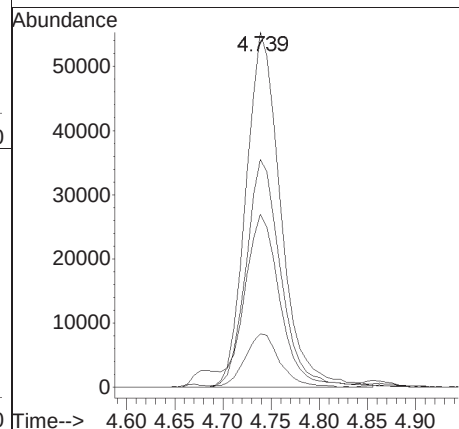
Tgt Ion:	117	Resp:	119189
Ion Ratio	Lower	Upper	
117	100		
119	94.9	58.9	122.3
121	29.5	19.0	39.6
82	24.7	15.4	32.0

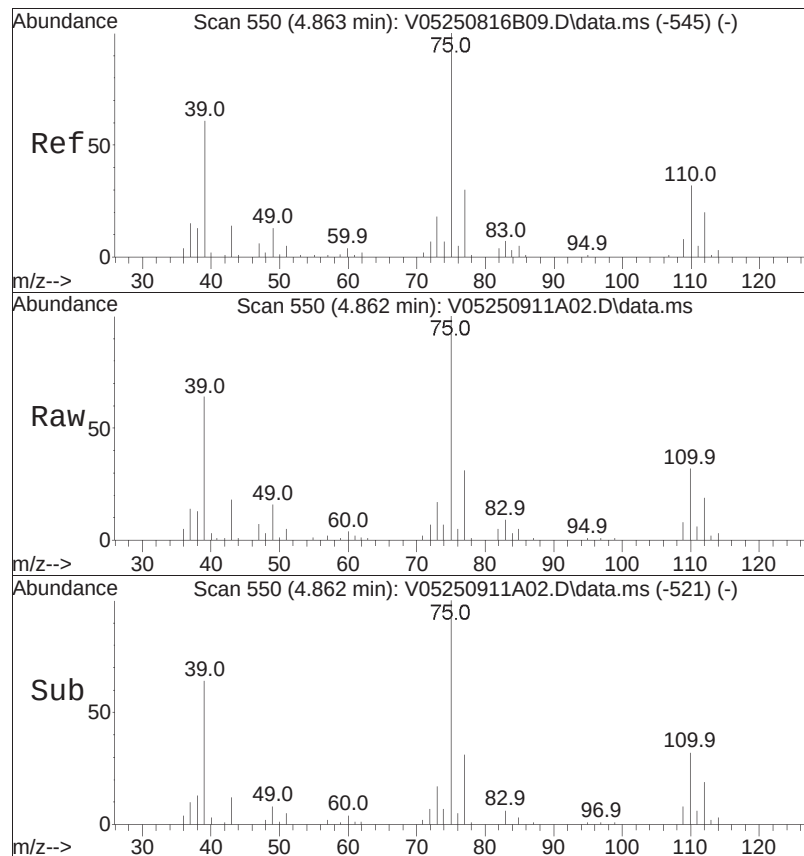




#37
 1,1,1-Trichloroethane
 Concen: 9.57 ug/L
 RT: 4.739 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

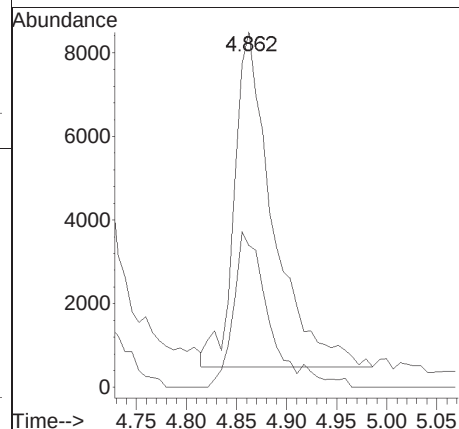
Tgt Ion:	97	Resp:	140071
Ion Ratio	Lower	Upper	
97	100		
99	64.3	41.9	86.9
61	49.1	30.4	63.0
63	15.2	9.6	20.0

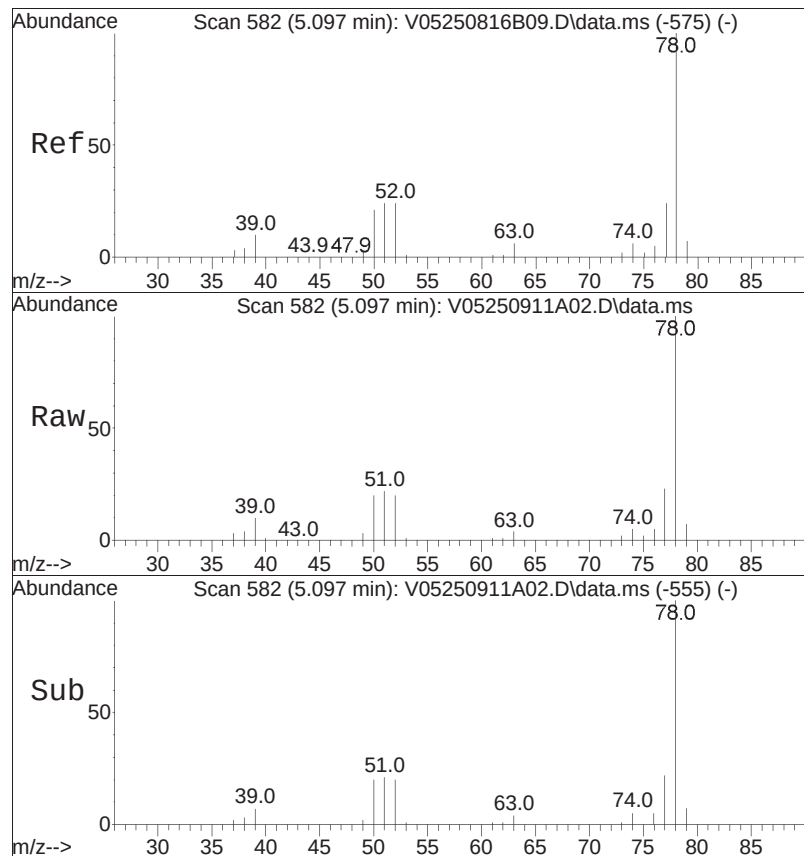




#39
 2-Butanone
 Concen: 10.11 ug/L
 RT: 4.862 min Scan# 550
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

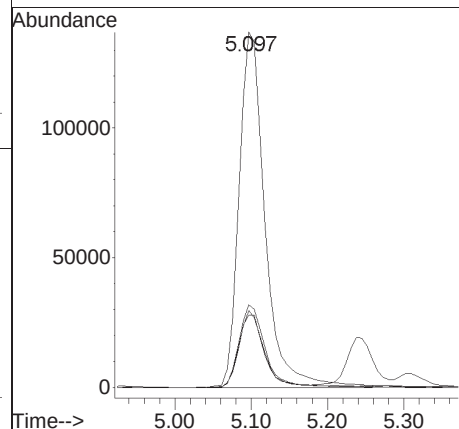
Tgt Ion	Ratio	Lower	Upper
43	100		
72	43.1	34.6	52.0

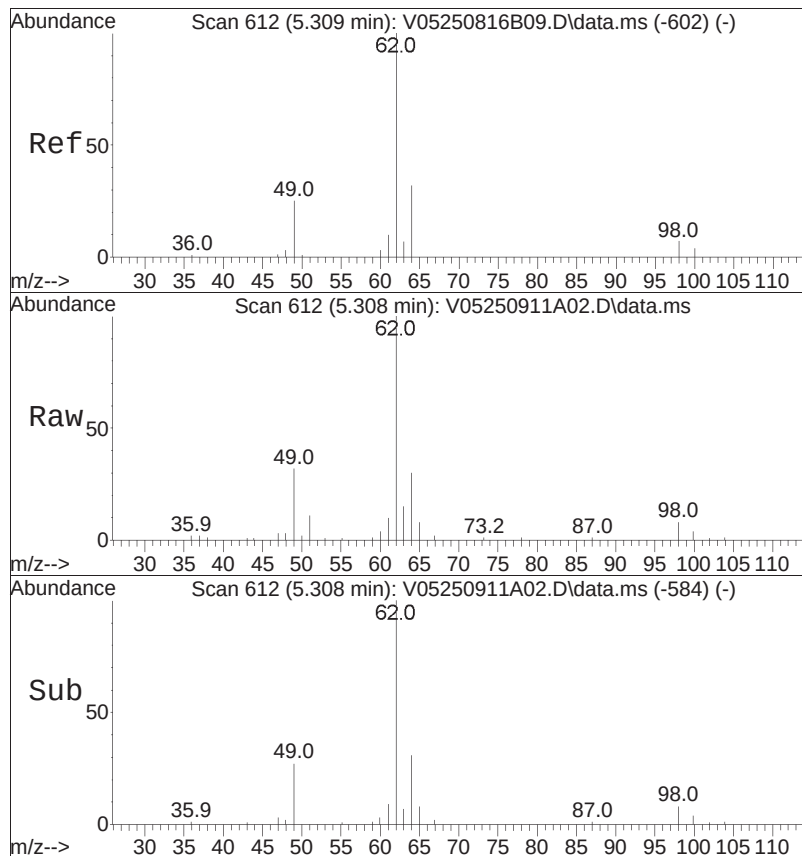




#41
Benzene
Concen: 11.15 ug/L
RT: 5.097 min Scan# 582
Delta R.T. -0.000 min
Lab File: V05250911A02.D
Acq: 11 Sep 2025 7:44 am

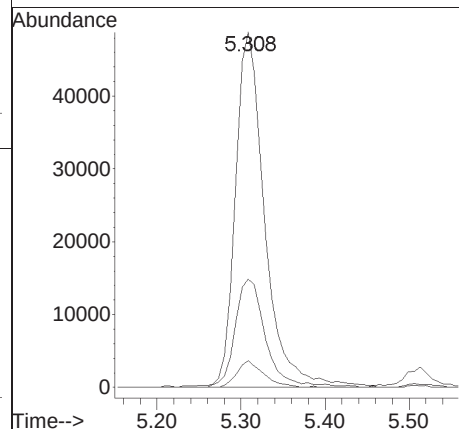
Tgt	Ion: 78	Resp:	345240
Ion	Ratio	Lower	Upper
78	100		
77	23.3	15.5	32.3
51	21.4	15.5	32.3
52	20.9	15.0	31.1

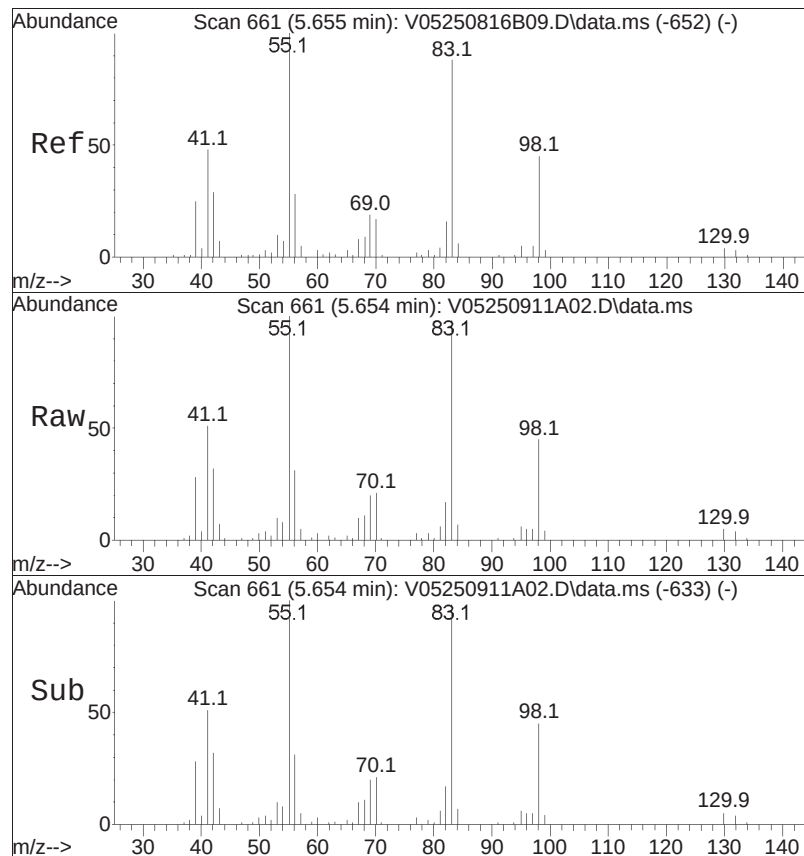




#44
 1,2-Dichloroethane
 Concen: 9.57 ug/L
 RT: 5.308 min Scan# 612
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

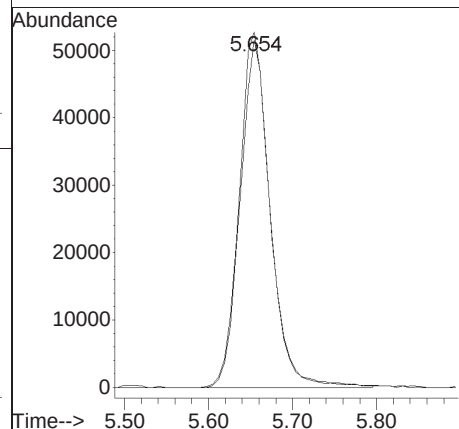
Tgt	Ion: 62	Resp:	118527
Ion	Ratio	Lower	Upper
62	100		
64	32.3	12.5	52.5
98	6.9	0.0	26.7

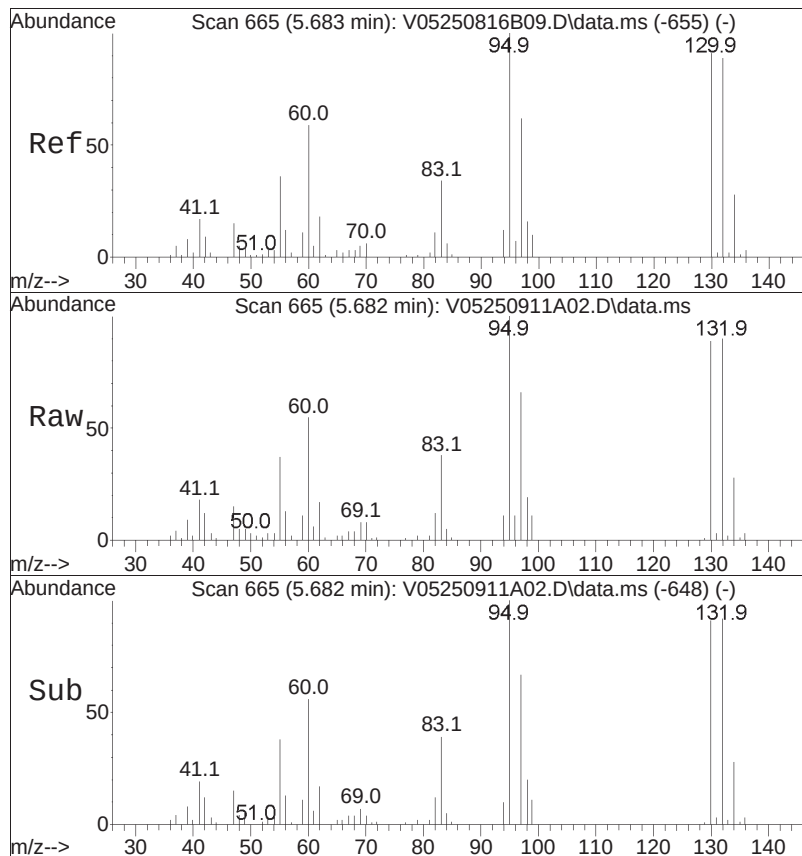




#47
Methyl cyclohexane
Concen: 9.76 ug/L
RT: 5.654 min Scan# 661
Delta R.T. -0.001 min
Lab File: V05250911A02.D
Acq: 11 Sep 2025 7:44 am

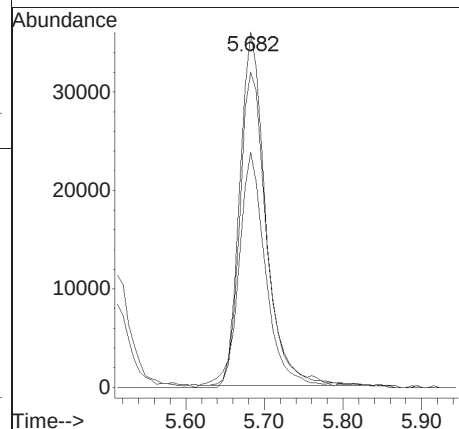
Tgt	Ion	Ratio	Lower	Upper
83	100			
55	104.7	89.0	133.4	

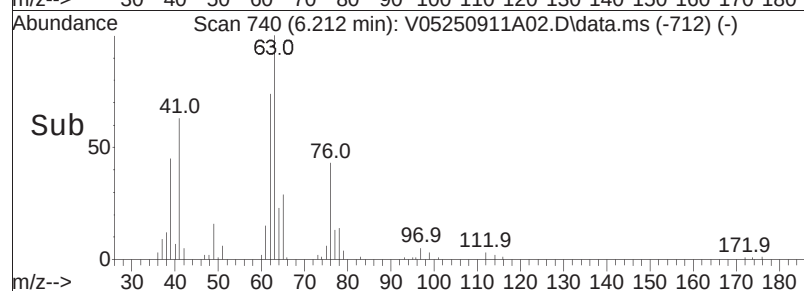
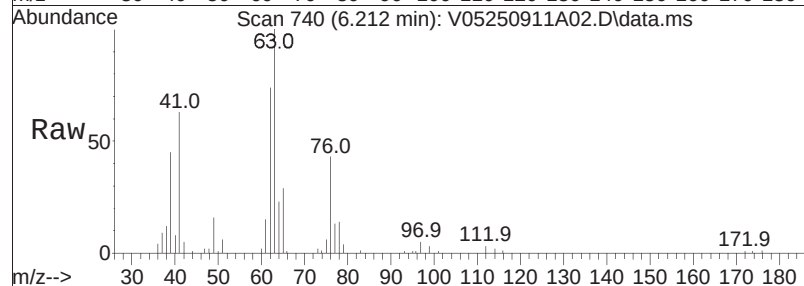
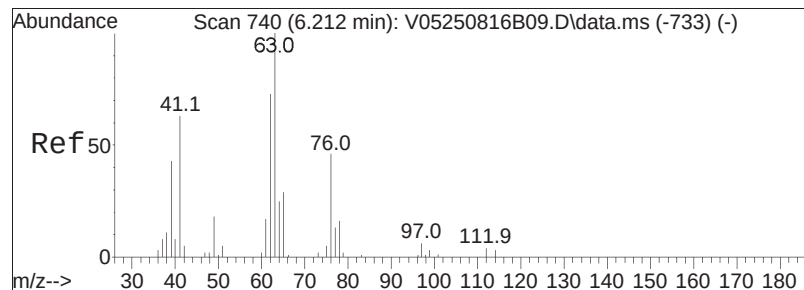




#48
 Trichloroethene
 Concen: 9.92 ug/L
 RT: 5.682 min Scan# 665
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

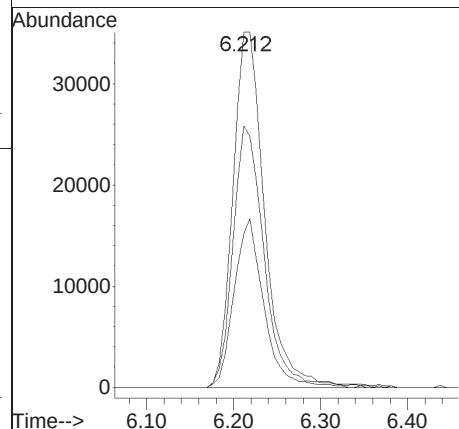
Tgt Ion:	95	Resp:	82914
Ion Ratio	Lower	Upper	
95	100		
97	68.9	55.0	82.4
130	93.8	75.2	112.8

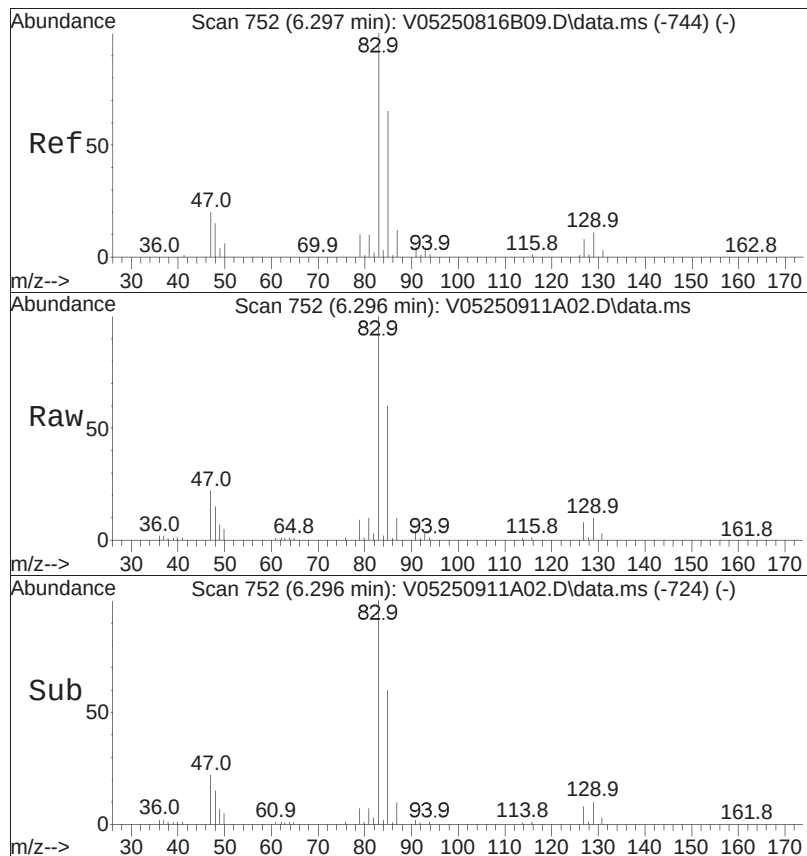




#51
 1,2-Dichloropropane
 Concen: 10.24 ug/L
 RT: 6.212 min Scan# 740
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

Tgt Ion:	63	Resp:	89308
Ion Ratio	Lower	Upper	
63	100		
62	72.3	56.4	84.6
76	44.4	37.9	56.9





#54

Bromodichloromethane

Concen: 9.75 ug/L

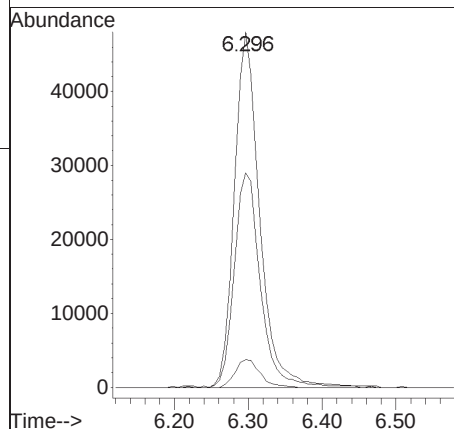
RT: 6.296 min Scan# 752

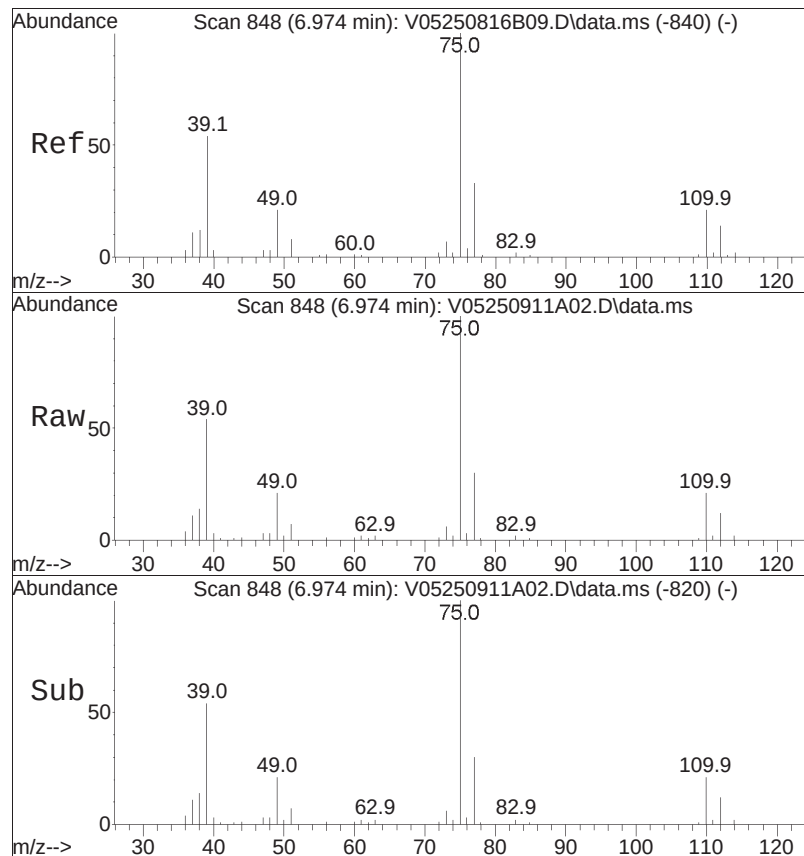
Delta R.T. -0.001 min

Lab File: V05250911A02.D

Acq: 11 Sep 2025 7:44 am

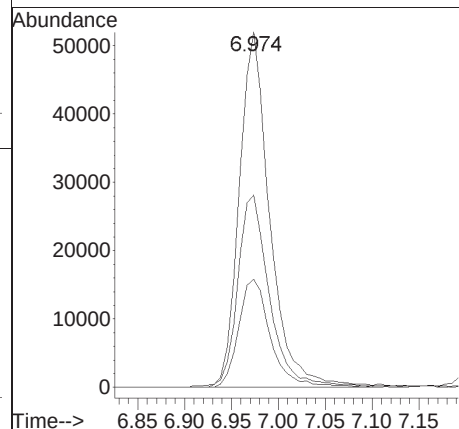
Tgt Ion:	83	Resp:	114631
Ion Ratio	Lower	Upper	
83	100		
85	62.4	52.9	79.3
127	7.8	6.5	9.7

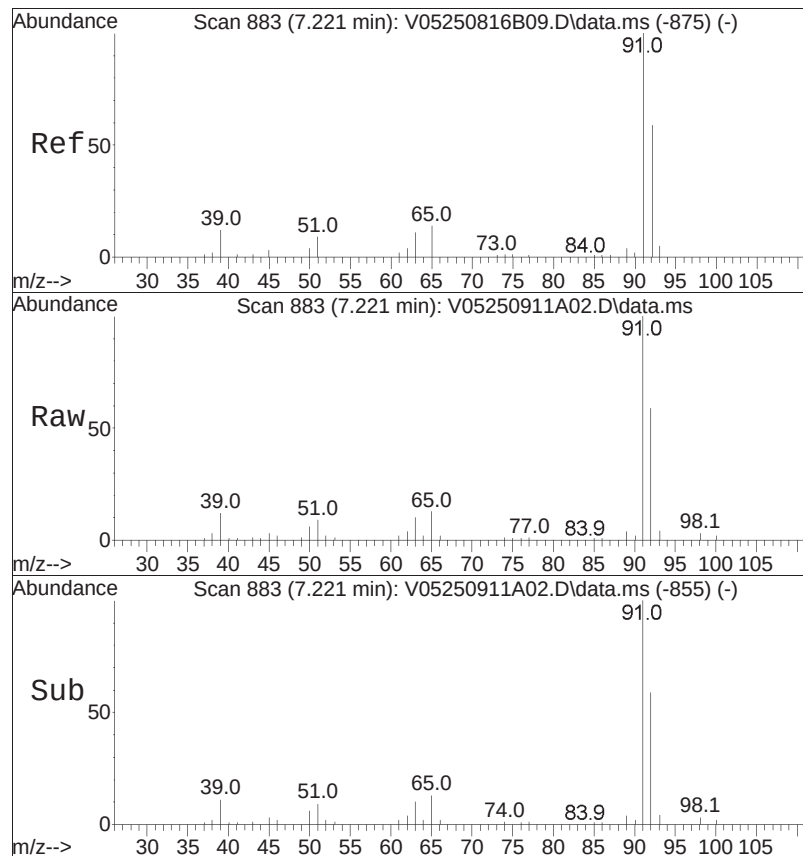




#58
 cis-1,3-Dichloropropene
 Concen: 10.30 ug/L
 RT: 6.974 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

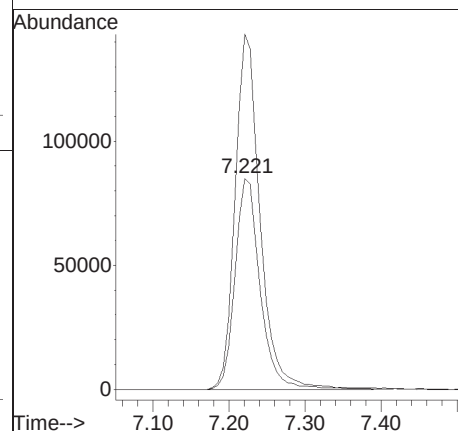
Tgt	Ion: 75	Resp:	118241
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	56.8	43.3	64.9

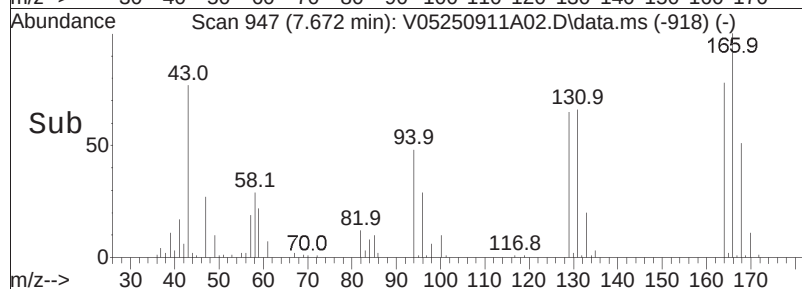
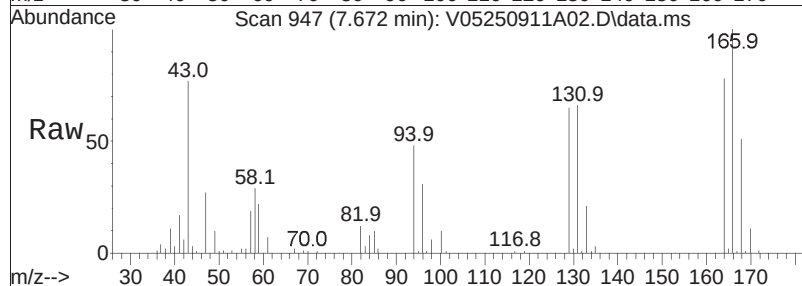
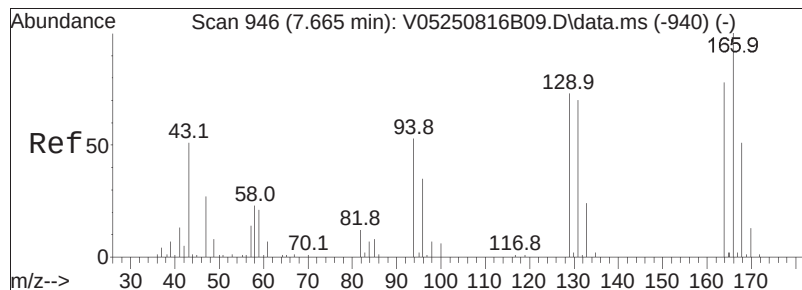




#61
 Toluene
 Concen: 10.85 ug/L
 RT: 7.221 min Scan# 883
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

Tgt Ion:	92	Resp:	194971
Ion Ratio	Lower	Upper	
92	100		
91	167.2	136.2	204.2





#62

4-Methyl-2-pentanone

Concen: 9.39 ug/L

RT: 7.672 min Scan# 947

Delta R.T. 0.007 min

Lab File: V05250911A02.D

Acq: 11 Sep 2025 7:44 am

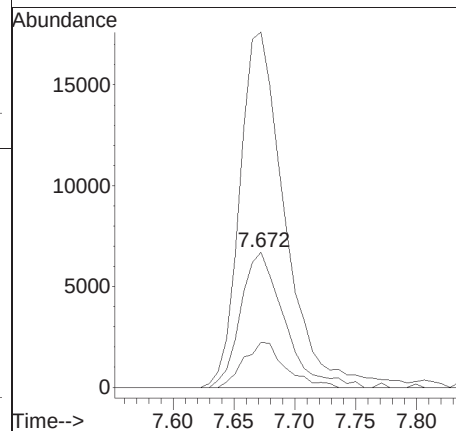
Tgt Ion: 58 Resp: 16713

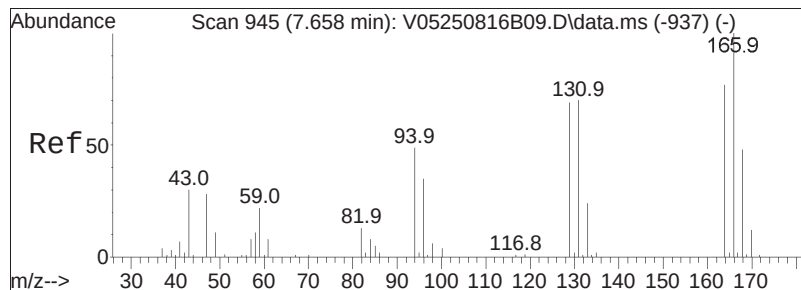
Ion Ratio Lower Upper

58 100

100 31.9 24.1 36.1

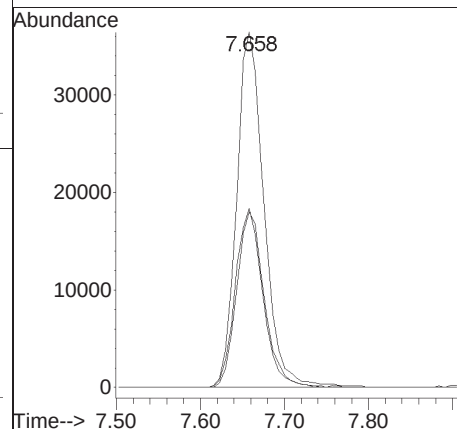
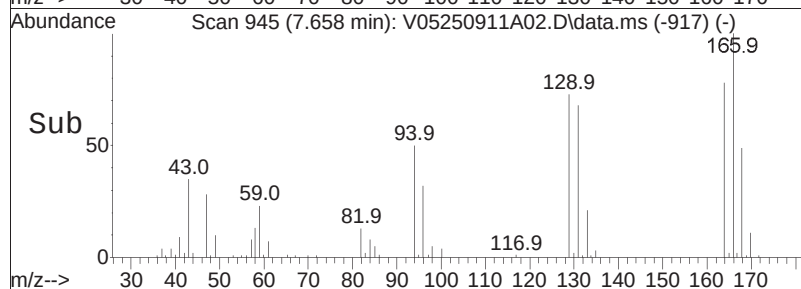
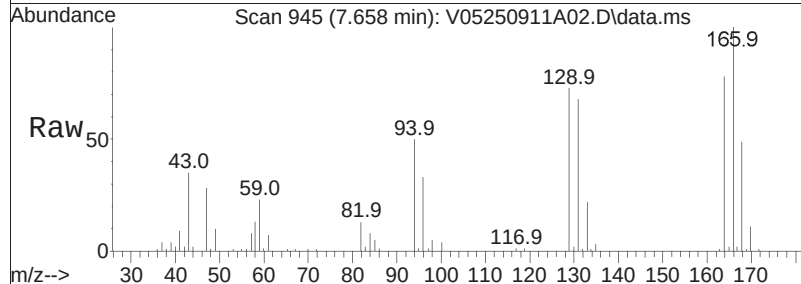
43 273.4 206.5 309.7

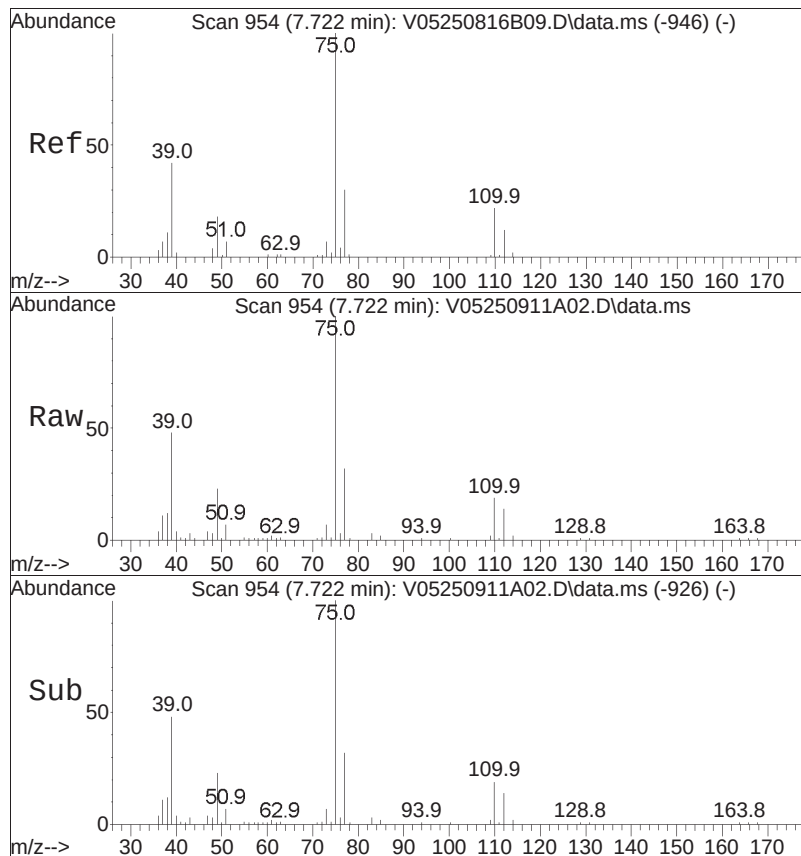




#63
Tetrachloroethene
Concen: 10.57 ug/L
RT: 7.658 min Scan# 945
Delta R.T. 0.000 min
Lab File: V05250911A02.D
Acq: 11 Sep 2025 7:44 am

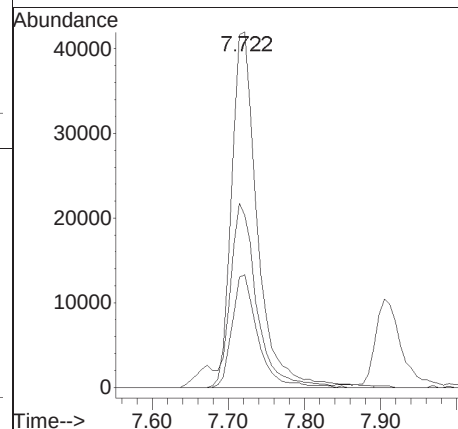
Tgt Ion:	166	Resp:	82685
Ion Ratio	Lower	Upper	
166	100		
168	49.9	29.5	69.5
94	50.4	33.5	73.5

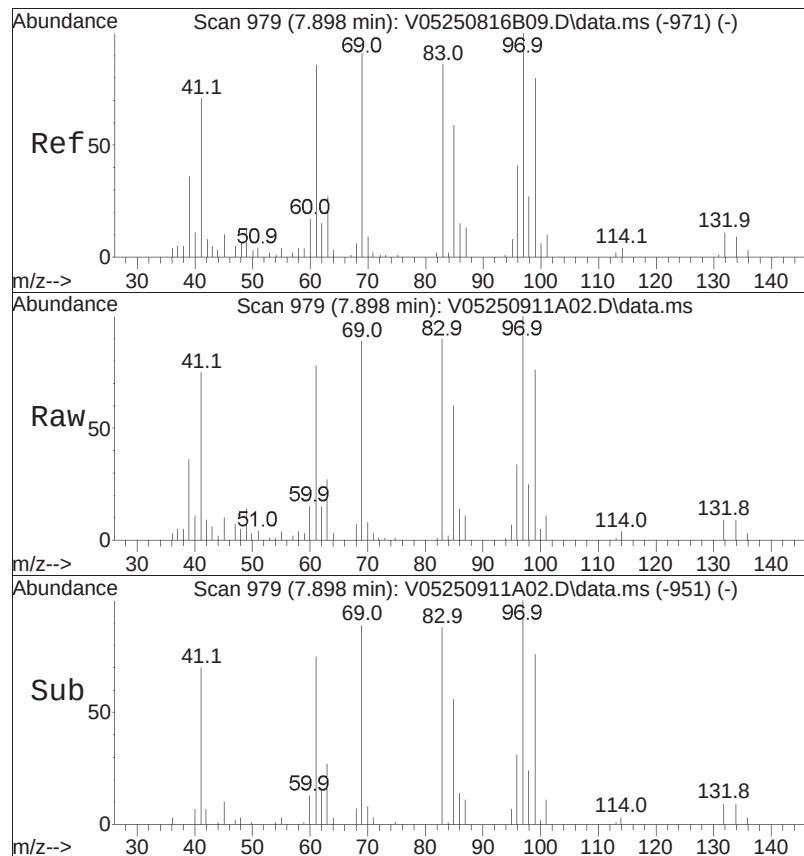




#65
 trans-1,3-Dichloropropene
 Concen: 9.54 ug/L
 RT: 7.722 min Scan# 954
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

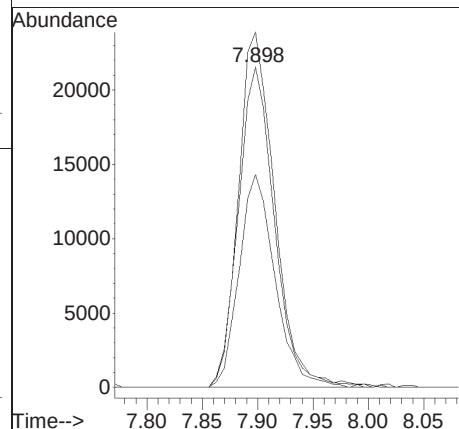
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	11.6	51.6
39	50.5	33.1	73.1

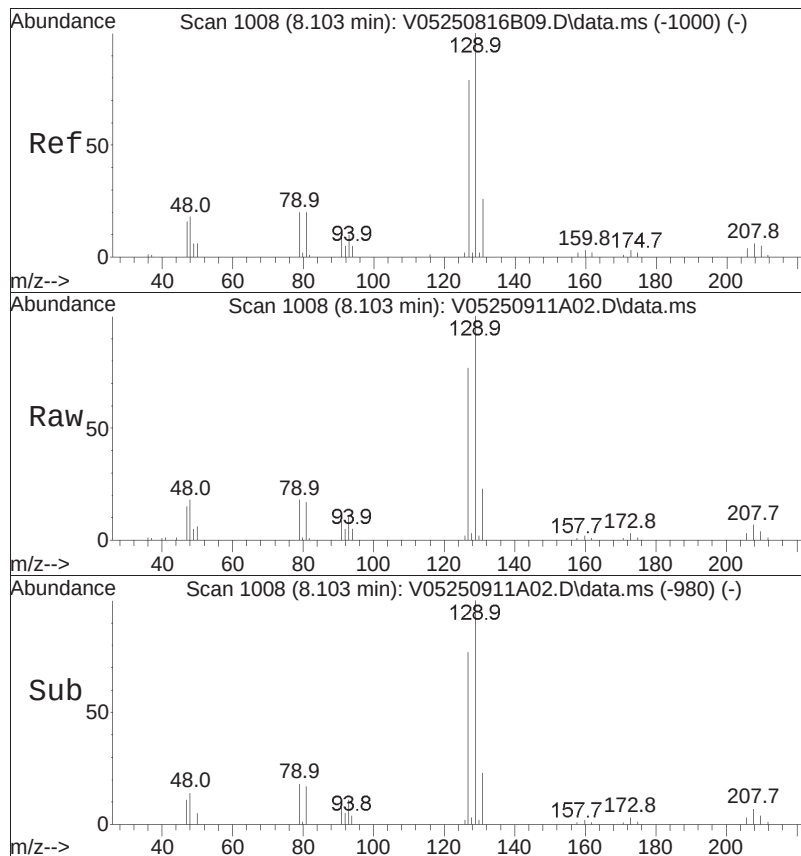




#68
 1,1,2-Trichloroethane
 Concen: 11.42 ug/L
 RT: 7.898 min Scan# 979
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

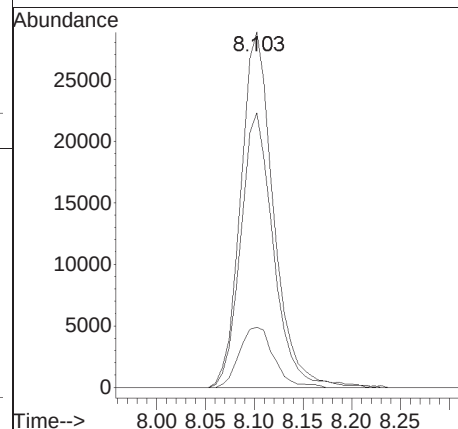
Tgt Ion:	83	Resp:	48891
Ion Ratio	Lower	Upper	
83	100		
97	111.6	98.4	138.4
85	66.4	45.6	85.6

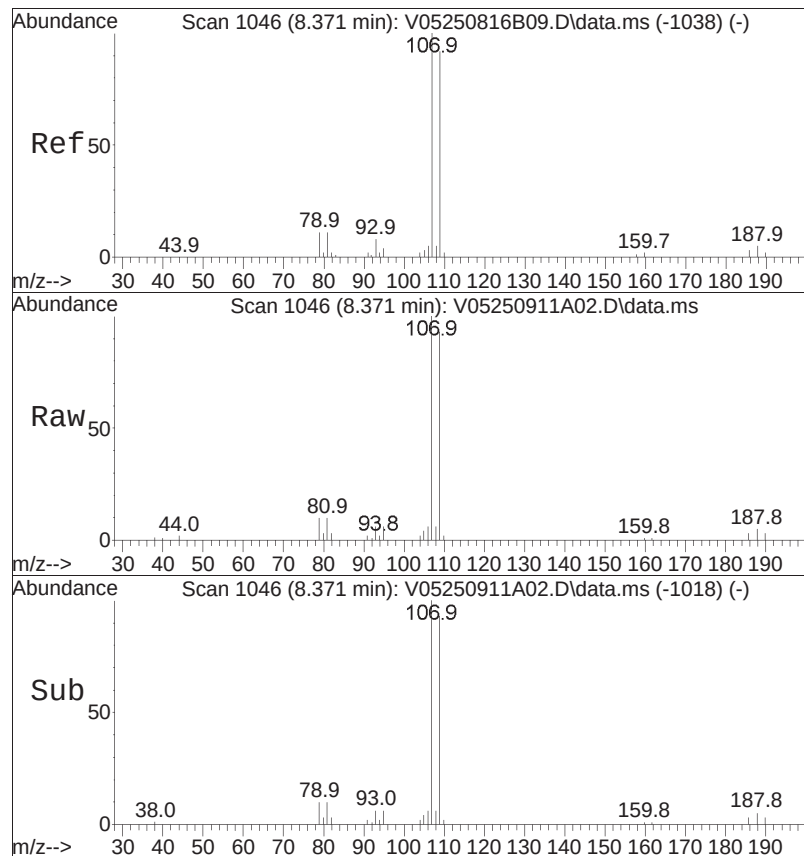




#69
 Chlorodibromomethane
 Concen: 10.08 ug/L
 RT: 8.103 min Scan# 1008
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

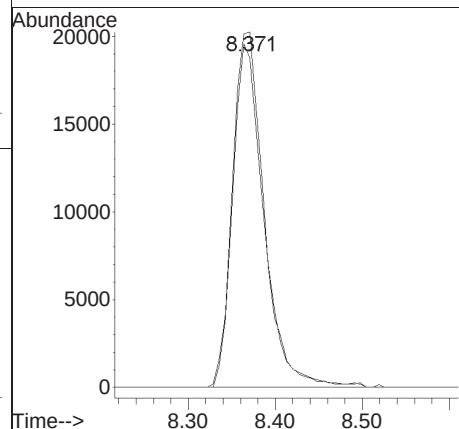
Tgt Ion	Ratio	Resp	Lower	Upper
129	100	67655		
81	17.7		0.0	39.3
127	77.0		56.6	96.6

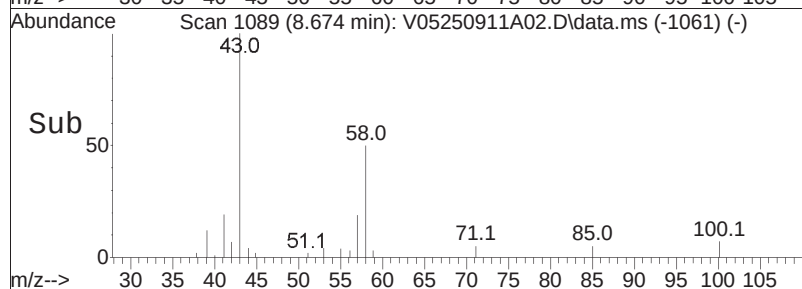
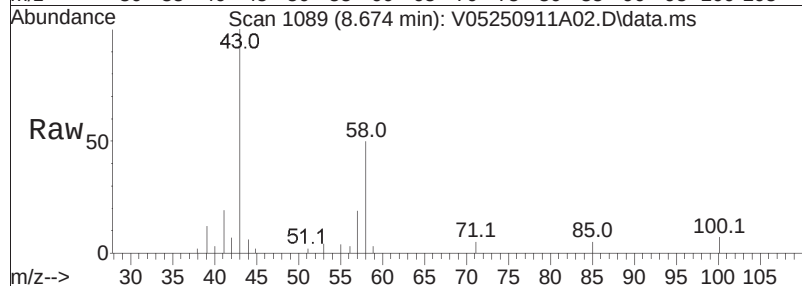
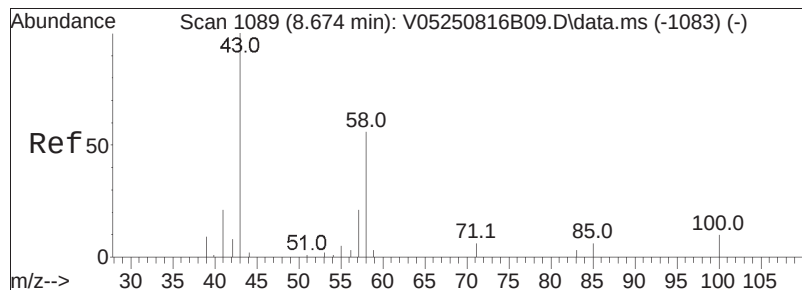




#71
 1,2-Dibromoethane
 Concen: 10.61 ug/L
 RT: 8.371 min Scan# 1046
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.2	112.8





#72

2-Hexanone

Concen: 9.52 ug/L

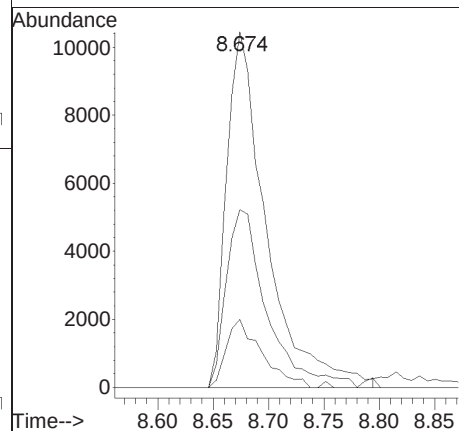
RT: 8.674 min Scan# 1089

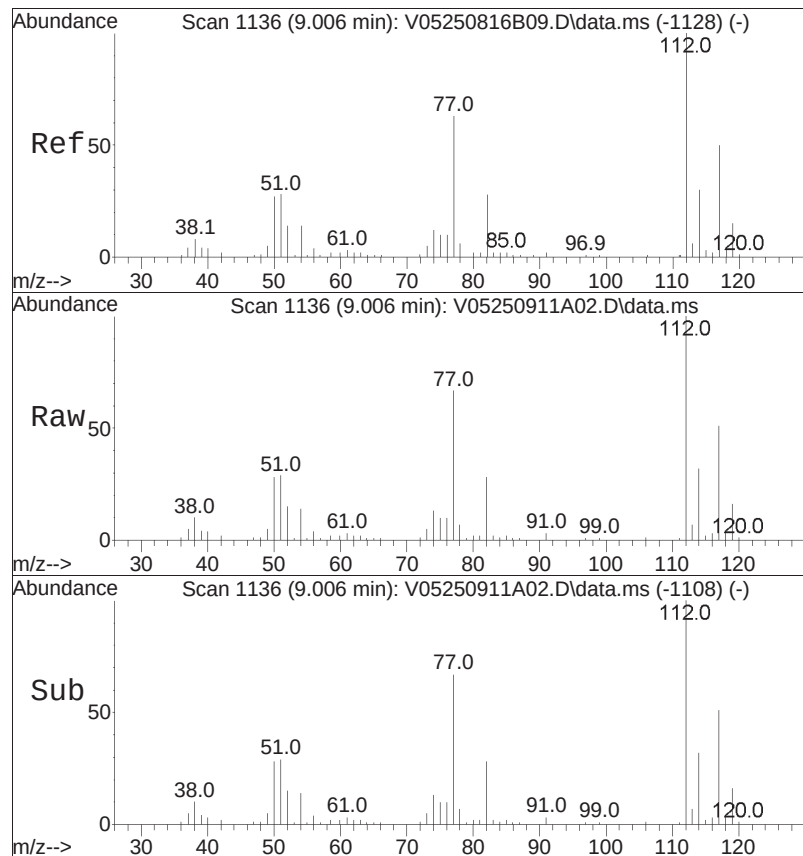
Delta R.T. 0.000 min

Lab File: V05250911A02.D

Acq: 11 Sep 2025 7:44 am

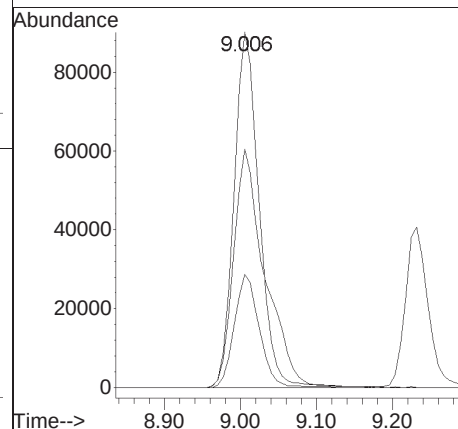
Tgt Ion:	43	Resp:	26166
Ion Ratio	Lower	Upper	
43	100		
58	50.8	39.7	59.5
57	17.1	16.3	24.5

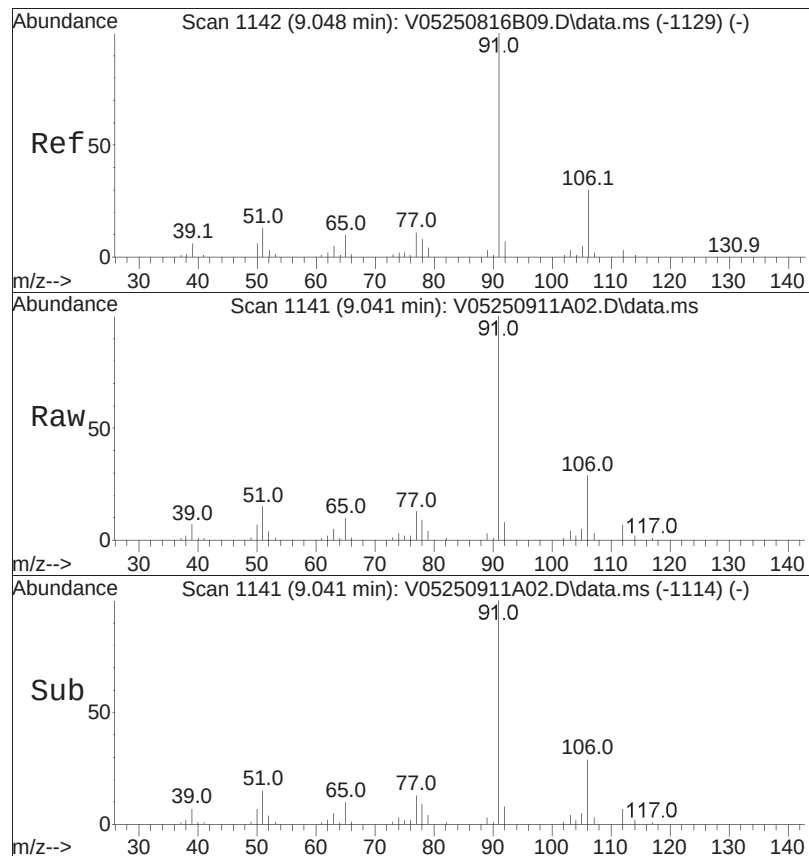




#73
 Chlorobenzene
 Concen: 10.88 ug/L
 RT: 9.006 min Scan# 1136
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

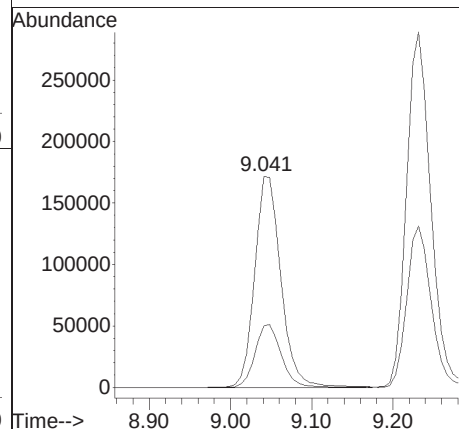
Tgt	Ion:112	Resp:	205556
Ion	Ratio	Lower	Upper
112	100		
77	84.1	67.5	101.3
114	31.7	25.4	38.0

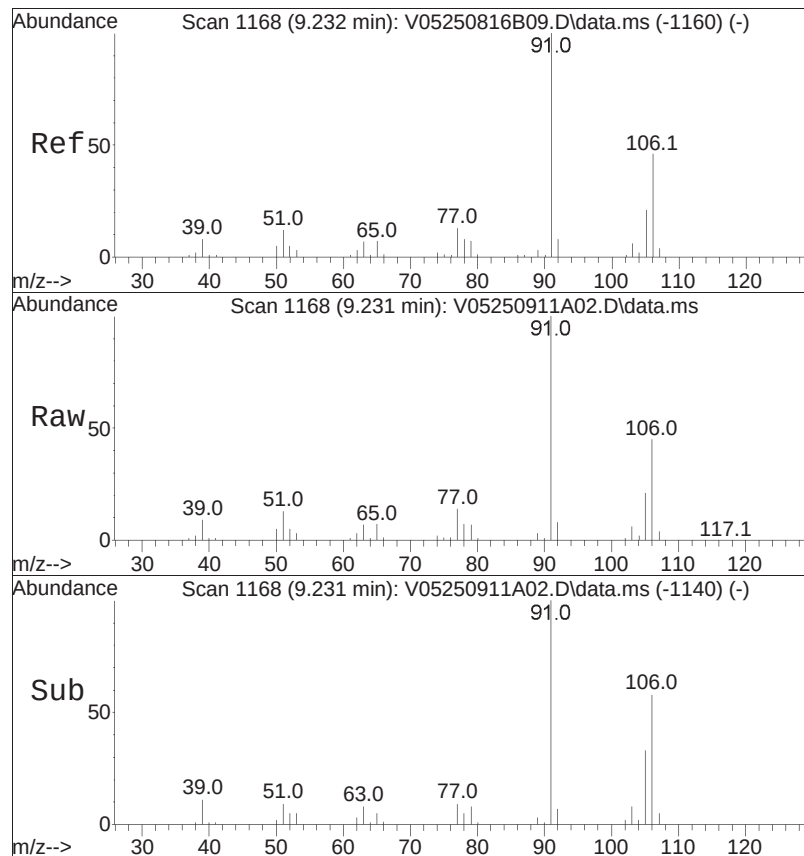




#74
 Ethylbenzene
 Concen: 10.88 ug/L
 RT: 9.041 min Scan# 1141
 Delta R.T. -0.007 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

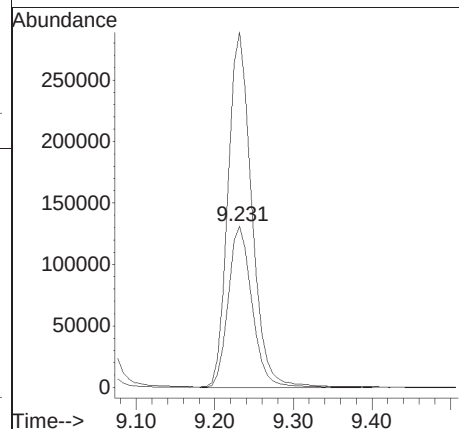
Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.4	35.0

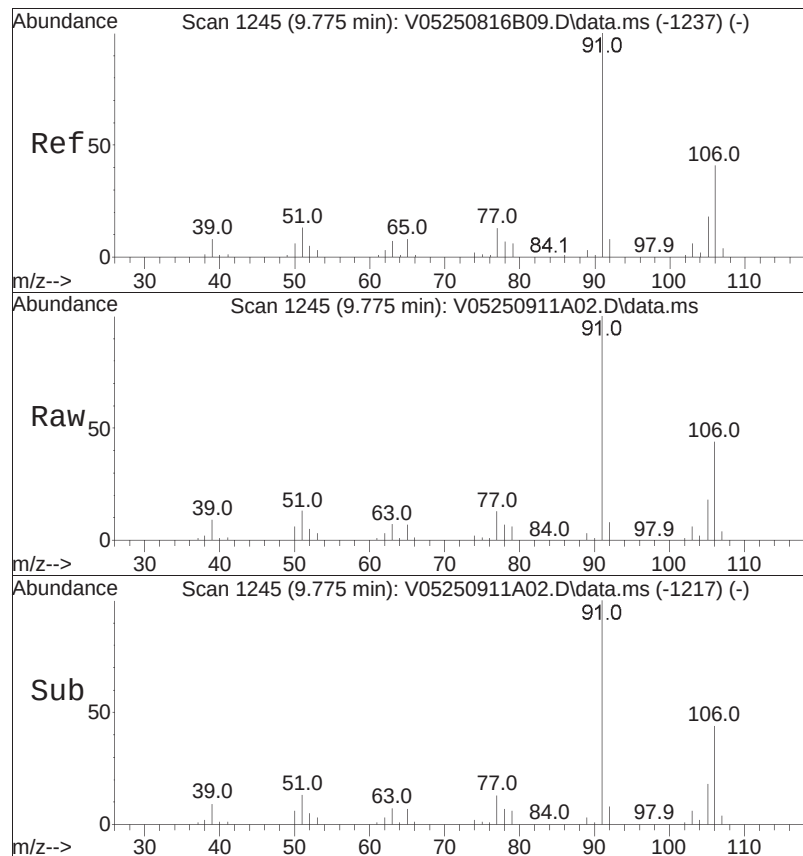




#76
 p/m Xylene
 Concen: 22.14 ug/L
 RT: 9.231 min Scan# 1168
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

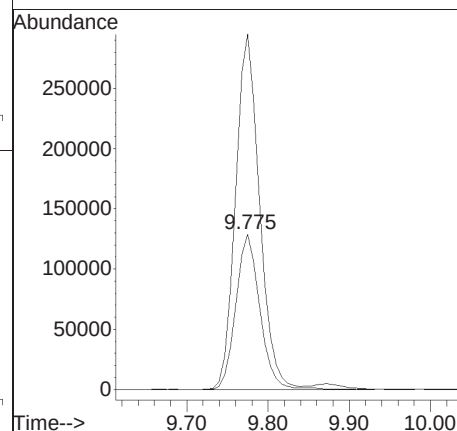
Tgt Ion	Ratio	Lower	Upper
106	100		
91	217.0	176.3	264.5

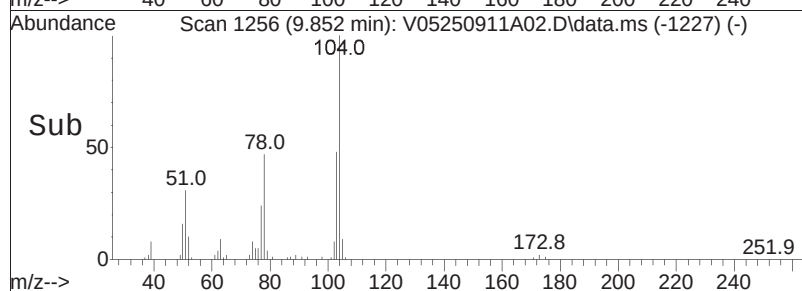
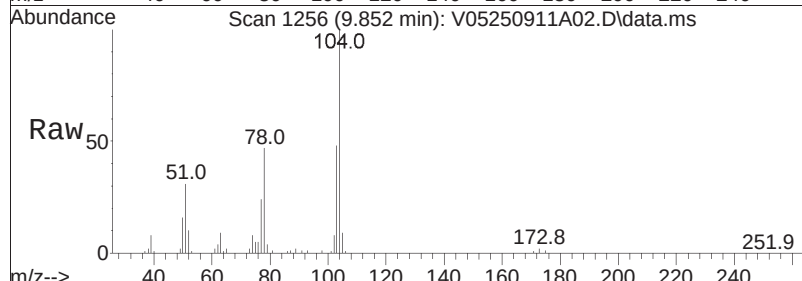
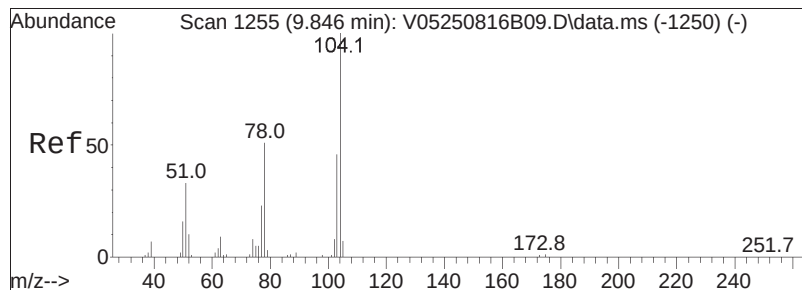




#77
 o Xylene
 Concen: 22.34 ug/L
 RT: 9.775 min Scan# 1245
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

Tgt	Ion	Ratio	Lower	Upper
106	106	100		
91	228.3	189.3	283.9	





#78

Styrene

Concen: 23.03 ug/L

RT: 9.852 min Scan# 1256

Delta R.T. 0.006 min

Lab File: V05250911A02.D

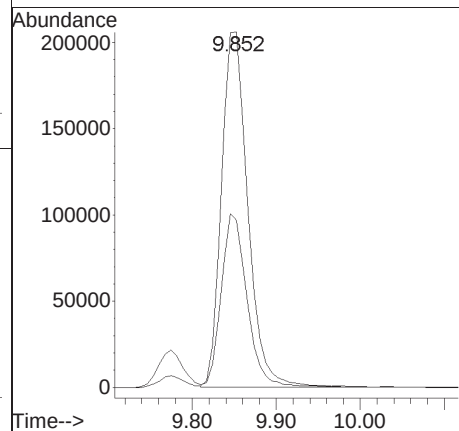
Acq: 11 Sep 2025 7:44 am

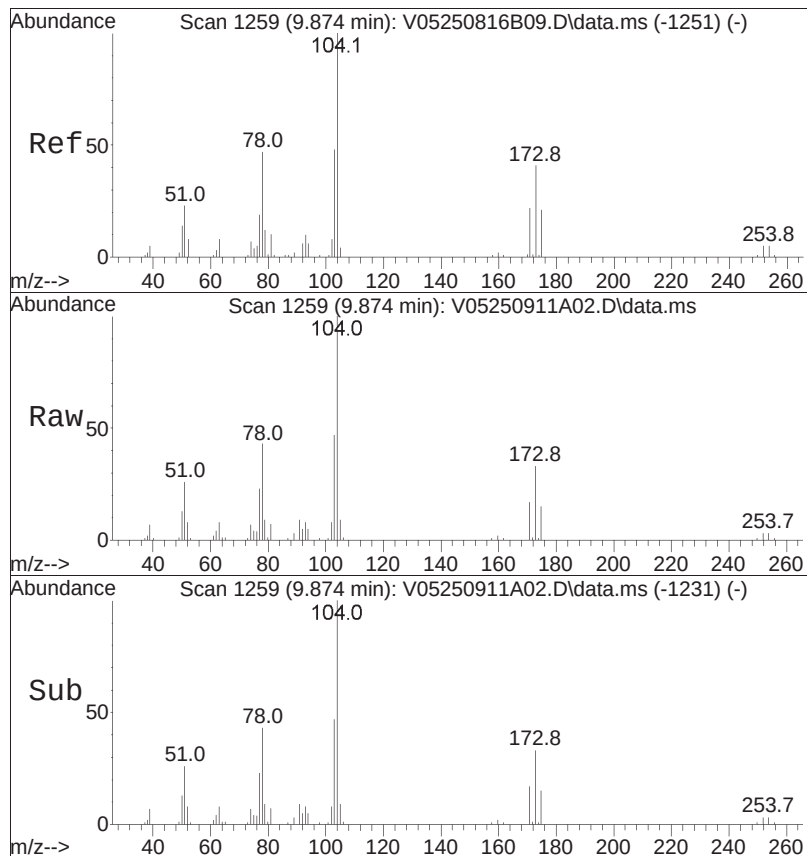
Tgt Ion:104 Resp: 449132

Ion Ratio Lower Upper

104 100

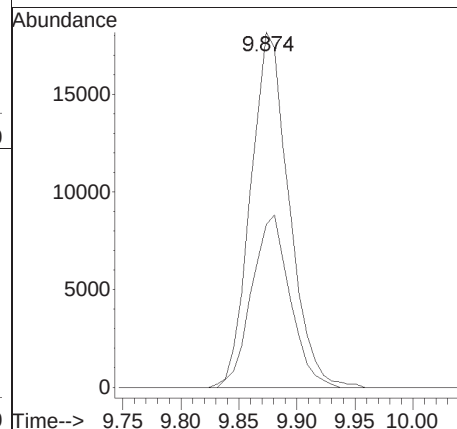
78 47.8 40.6 61.0

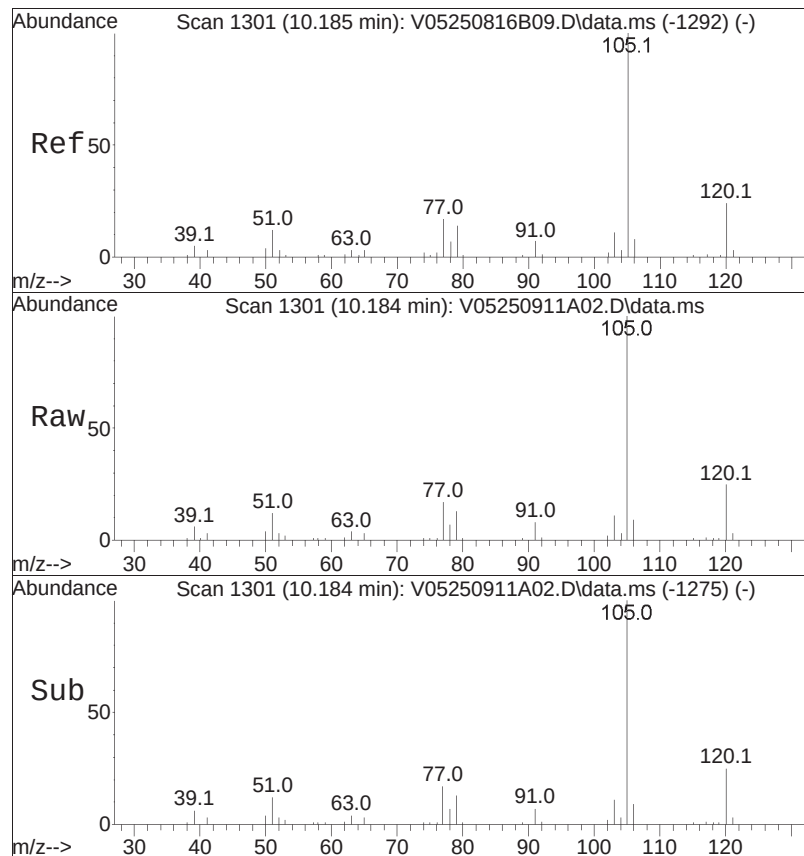




#80
 Bromoform
 Concen: 9.79 ug/L
 RT: 9.874 min Scan# 1259
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

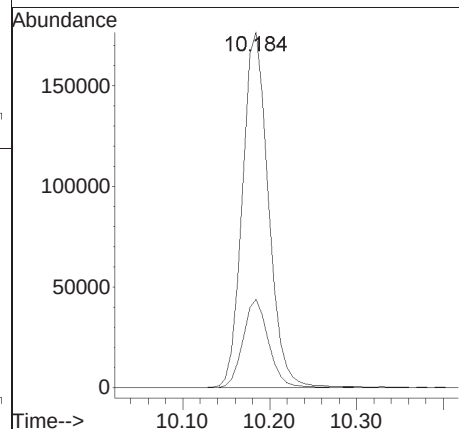
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	28.5	68.5

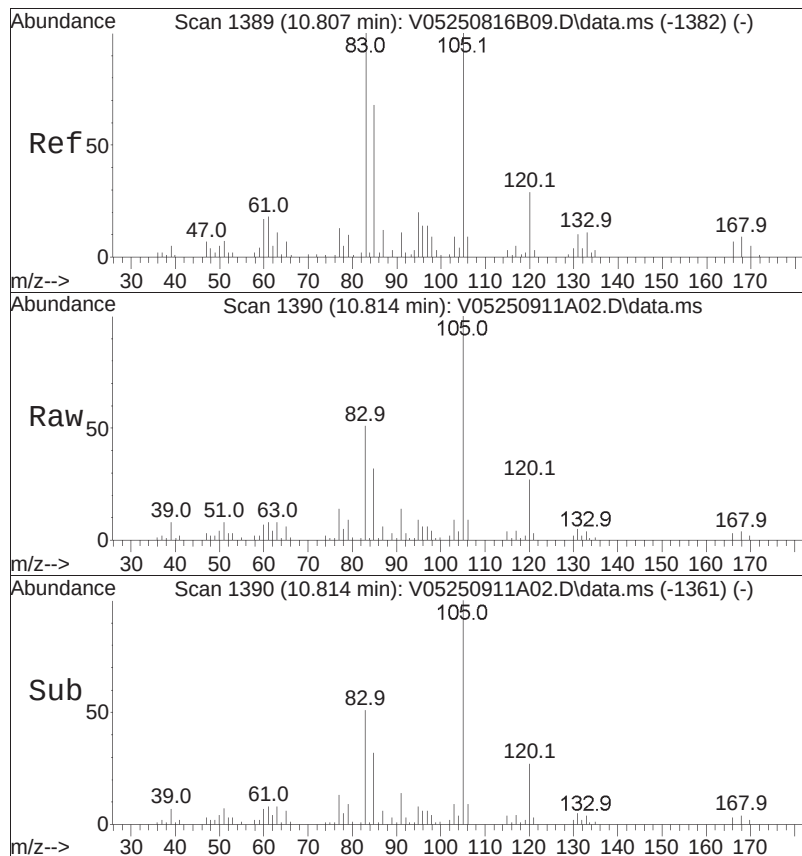




#82
 Isopropylbenzene
 Concen: 10.54 ug/L
 RT: 10.184 min Scan# 1301
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

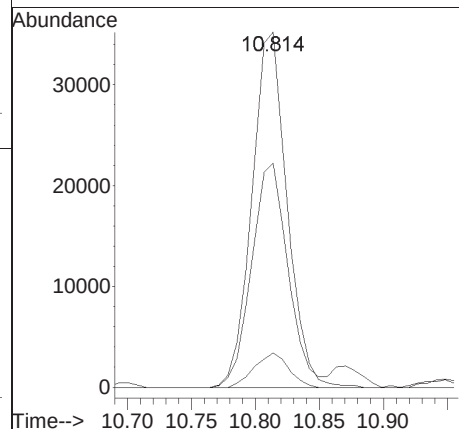
Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.2	4.3	44.3

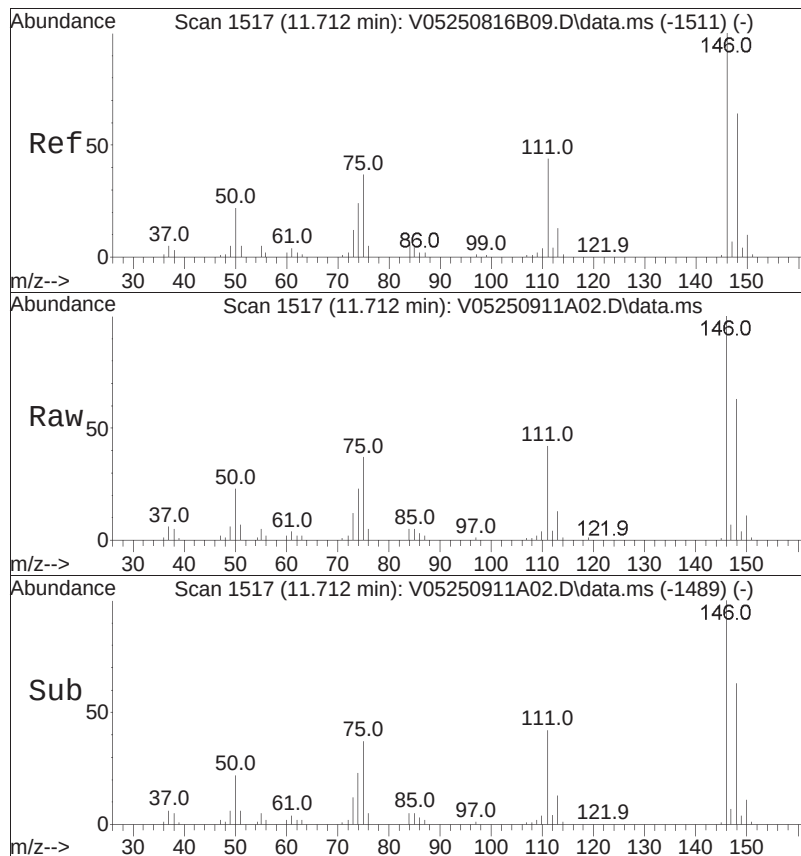




#87
1,1,2,2-Tetrachloroethane
Concen: 12.02 ug/L
RT: 10.814 min Scan# 1390
Delta R.T. 0.007 min
Lab File: V05250911A02.D
Acq: 11 Sep 2025 7:44 am

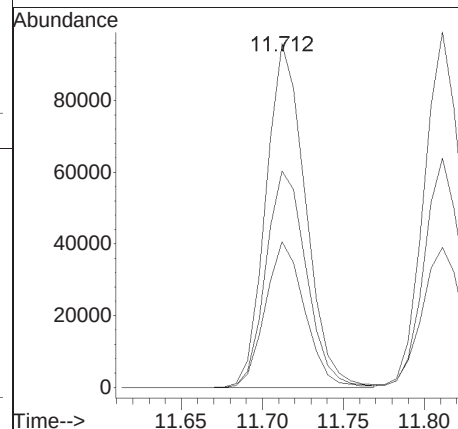
Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.5	0.0	31.1
85	65.3	47.7	87.7

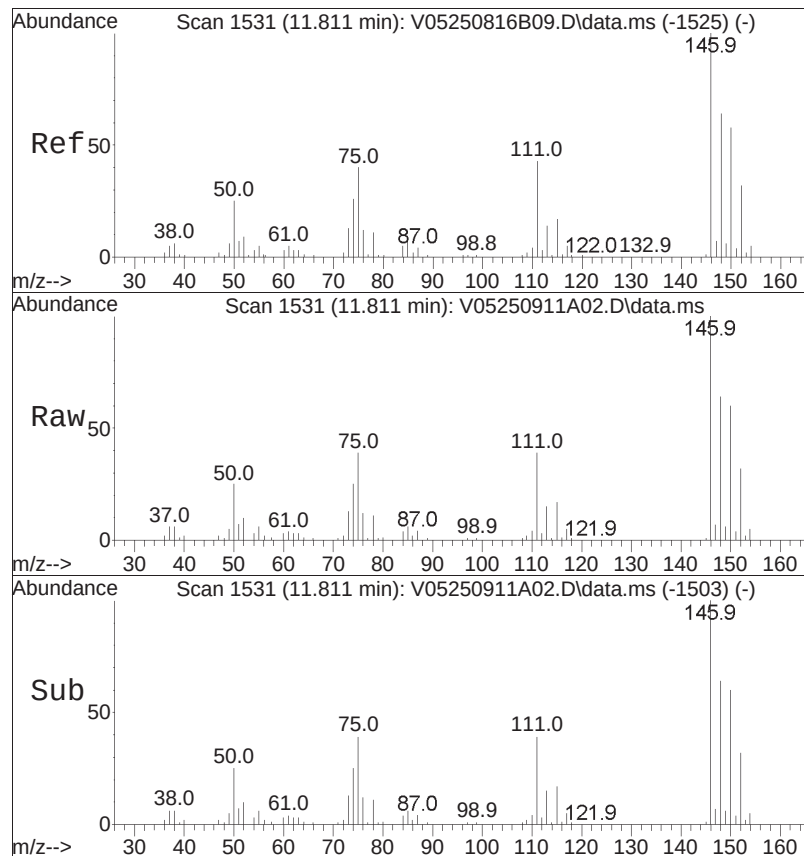




#100
 1,3-Dichlorobenzene
 Concen: 10.90 ug/L
 RT: 11.712 min Scan# 1517
 Delta R.T. 0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

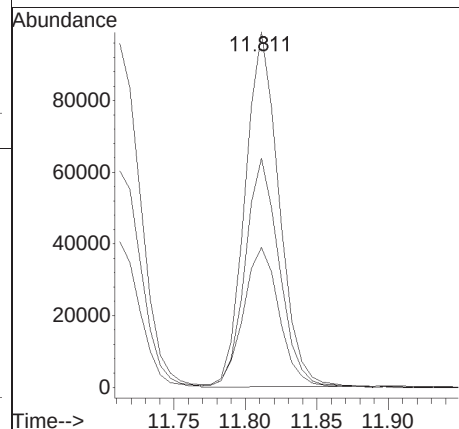
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	28.1	58.5
148	64.3	41.5	86.1

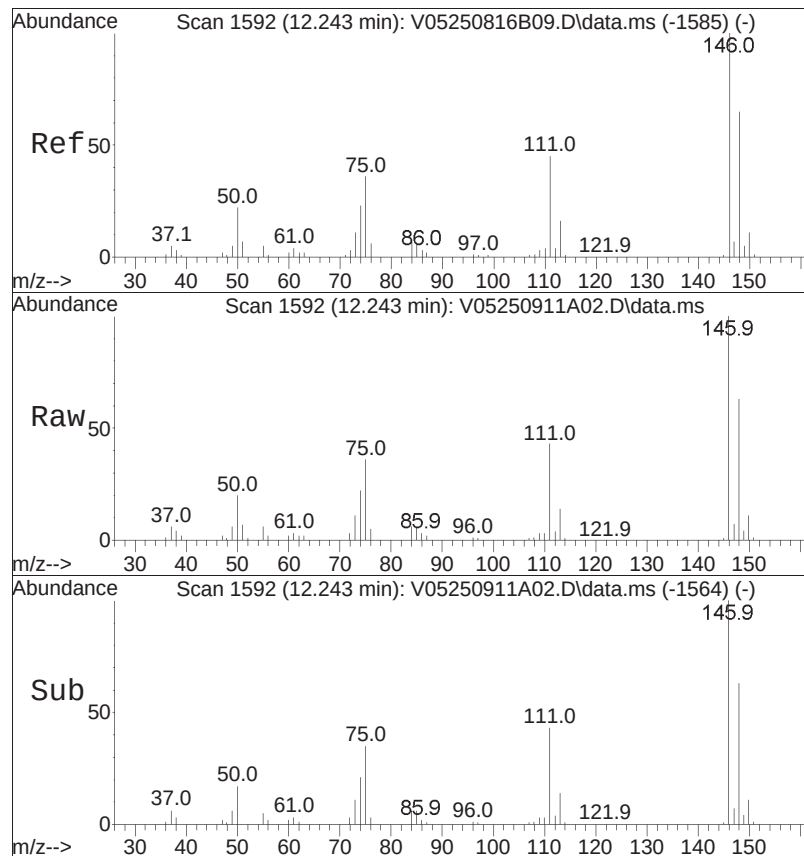




#101
 1,4-Dichlorobenzene
 Concen: 10.79 ug/L
 RT: 11.811 min Scan# 1531
 Delta R.T. 0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

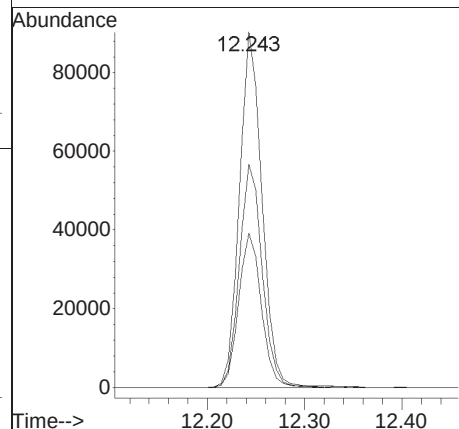
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	34.9	52.3
148	64.7	51.5	77.3

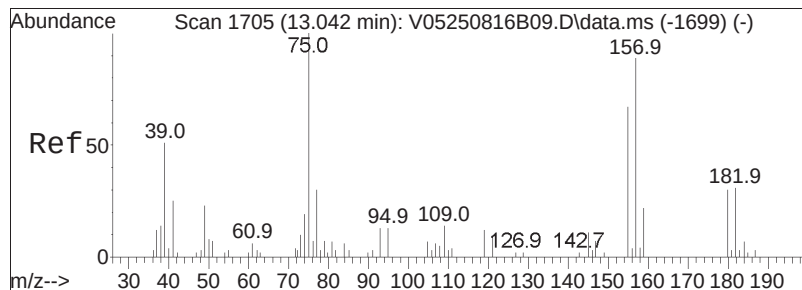




#104
 1,2-Dichlorobenzene
 Concen: 10.85 ug/L
 RT: 12.243 min Scan# 1592
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

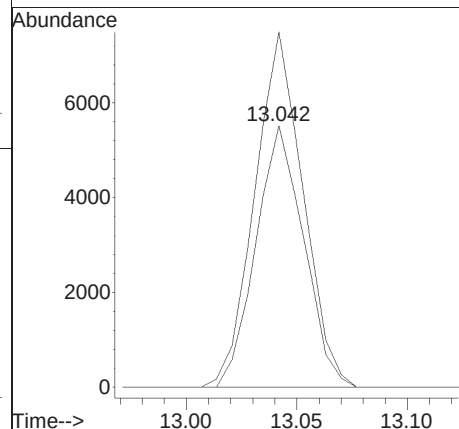
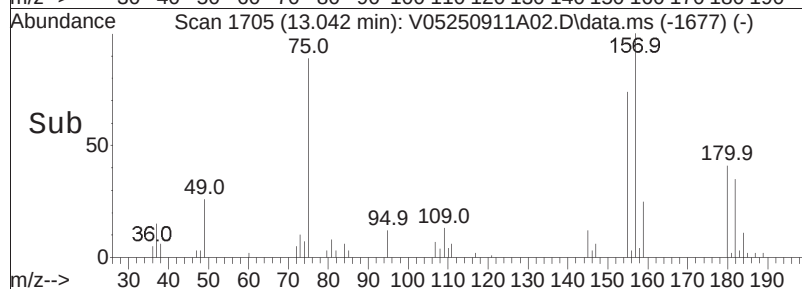
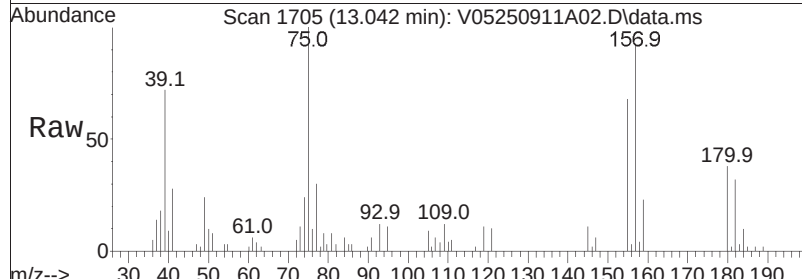
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	29.4	61.0
148	63.5	41.0	85.2

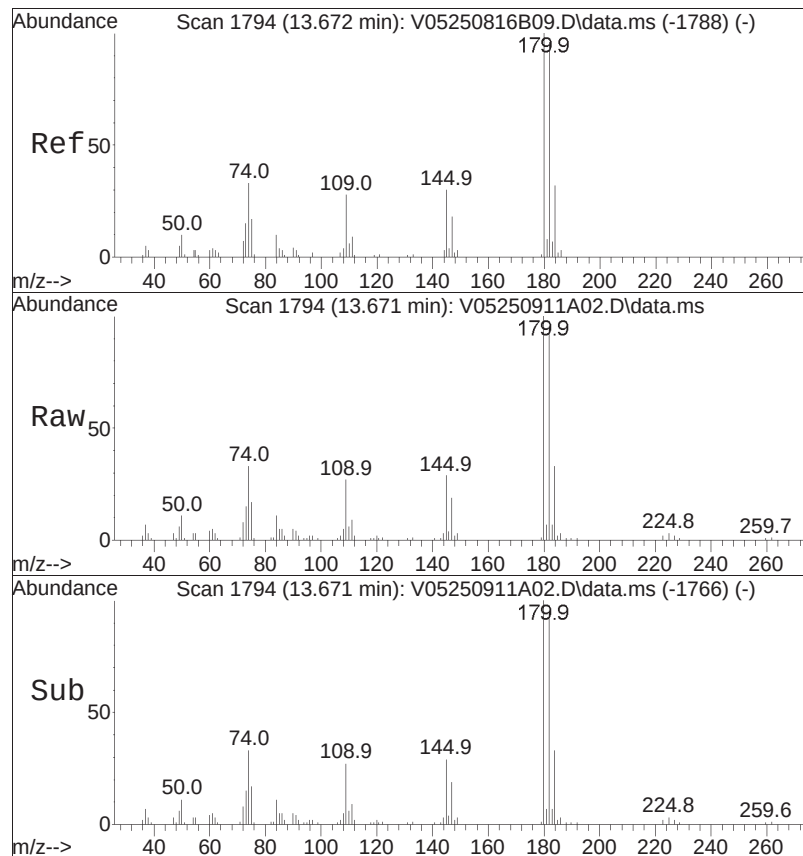




#106
 1,2-Dibromo-3-chloropropane
 Concen: 8.73 ug/L
 RT: 13.042 min Scan# 1705
 Delta R.T. -0.000 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

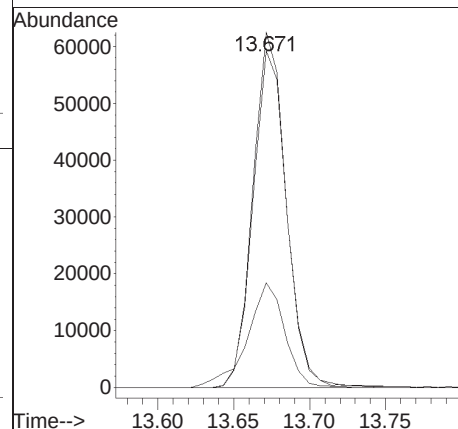
Tgt Ion:155 Resp: 8299
 Ion Ratio Lower Upper
 155 100
 157 137.2 106.2 159.4

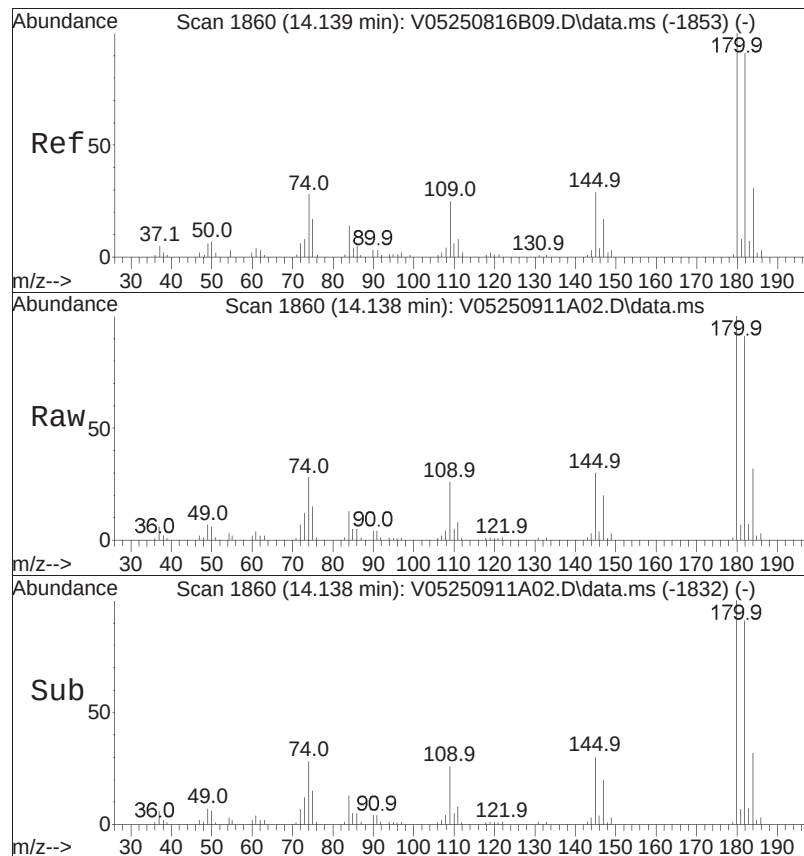




#109
 1,2,4-Trichlorobenzene
 Concen: 10.22 ug/L
 RT: 13.671 min Scan# 1794
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

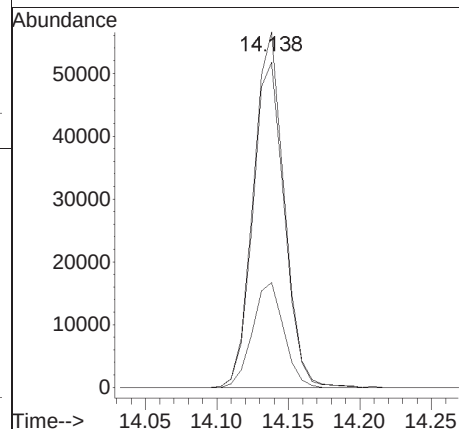
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.9	113.9
145	33.2	26.4	39.6





#111
 1,2,3-Trichlorobenzene
 Concen: 10.64 ug/L
 RT: 14.138 min Scan# 1860
 Delta R.T. -0.001 min
 Lab File: V05250911A02.D
 Acq: 11 Sep 2025 7:44 am

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	74.3	111.5
145	29.9	23.8	35.8



Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A11.D
 Acq On : 11 Sep 2025 11:32 am
 Operator : VOA105:mjv
 Sample : WG2113542-6,31,10,10,,A1 (Sig #1); L2555605-02MS,31,10,10,,A1 (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 13:58:29 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.513	96	290284	10.000	ug/L	0.00
Standard Area 1 = 298590			Recovery =	97.22%		
59) Chlorobenzene-d5	8.985	117	207635	10.000	ug/L	0.00
Standard Area 1 = 215521			Recovery =	96.34%		
79) 1,4-Dichlorobenzene-d4	11.797	152	123354	10.000	ug/L	0.00
Standard Area 1 = 125132			Recovery =	98.58%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	83492	10.104	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery =	101.04%		
43) 1,2-Dichloroethane-d4	5.238	65	114766	9.704	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery =	97.04%		
60) Toluene-d8	7.164	98	286052	10.383	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery =	103.83%		
83) 4-Bromofluorobenzene	10.531	95	109706	9.785	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery =	97.85%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.431	85	62452	6.543	ug/L	98
3) Chloromethane	1.595	50	87376	11.339	ug/L	98
4) Vinyl chloride	1.657	62	105965	11.972	ug/L	100
5) Bromomethane	1.925	94	23621	6.128	ug/L	97
6) Chloroethane	2.021	64	61595	11.995	ug/L	99
7) Trichlorofluoromethane	2.144	101	123693	8.734	ug/L	98
10) 1,1-Dichloroethene	2.591	96	65494	10.764	ug/L	98
11) Carbon disulfide	2.618	76	236166	11.418	ug/L	99
12) Freon-113	2.625	101	54027	8.259	ug/L	# 43
15) Methylene chloride	3.112	84	68976	9.574	ug/L	98
17) Acetone	3.174	43	12086	8.942	ug/L	96
18) trans-1,2-Dichloroethene	3.250	96	64789	9.304	ug/L	94
19) Methyl acetate	3.277	43	26732	8.053	ug/L	99
20) Methyl tert-butyl ether	3.346	73	125751	7.131	ug/L	93
23) 1,1-Dichloroethane	3.806	63	150969	9.317	ug/L	99
28) cis-1,2-Dichloroethene	4.307	96	69662	9.056	ug/L	93
30) Bromochloromethane	4.492	128	29829	9.424	ug/L	96
31) Cyclohexane	4.471	56	113870	7.276	ug/L	97
32) Chloroform	4.561	83	134428	9.038	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A11.D
 Acq On : 11 Sep 2025 11:32 am
 Operator : VOA105:mjv
 Sample : WG2113542-6,31,10,10,,A1 (Sig #1); L2555605-02MS,31,10,10,,A1 (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 13:58:29 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34)	Carbon tetrachloride	4.670	117	102781	8.114	ug/L	97
37)	1,1,1-Trichloroethane	4.739	97	121988	8.775	ug/L	96
39)	2-Butanone	4.856	43	14720	7.250	ug/L	94
41)	Benzene	5.097	78	286150	9.726	ug/L	97
44)	1,2-Dichloroethane	5.309	62	96652	8.211	ug/L	100
47)	Methyl cyclohexane	5.654	83	72047	5.768	ug/L	95
48)	Trichloroethene	5.683	95	72432	9.122	ug/L	98
51)	1,2-Dichloropropane	6.212	63	72374	8.734	ug/L	98
54)	Bromodichloromethane	6.297	83	90190	8.072	ug/L	98
58)	cis-1,3-Dichloropropene	6.974	75	83769	7.683	ug/L	97
61)	Toluene	7.221	92	159082	9.241	ug/L	99
62)	4-Methyl-2-pentanone	7.672	58	10818	6.340	ug/L	89
63)	Tetrachloroethene	7.658	166	65596	8.749	ug/L	97
65)	trans-1,3-Dichloropropene	7.722	75	73081	7.362	ug/L	95
68)	1,1,2-Trichloroethane	7.898	83	36198	8.824	ug/L	96
69)	Chlorodibromomethane	8.103	129	50793	7.895	ug/L	98
71)	1,2-Dibromoethane	8.364	107	38008	8.145	ug/L	97
72)	2-Hexanone	8.674	43	16928	6.427	ug/L	97
73)	Chlorobenzene	9.006	112	161495	8.924	ug/L	99
74)	Ethylbenzene	9.041	91	309053	9.089	ug/L	100
76)	p/m Xylene	9.232	106	223995	18.692	ug/L	98
77)	o Xylene	9.775	106	206314	18.205	ug/L	95
78)	Styrene	9.846	104	342741	18.340	ug/L	97
80)	Bromoform	9.874	173	30163	7.285	ug/L	99
82)	Isopropylbenzene	10.184	105	287658	8.502	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.807	83	47555	8.751	ug/L	99
100)	1,3-Dichlorobenzene	11.712	146	123807	8.531	ug/L	99
101)	1,4-Dichlorobenzene	11.811	146	125755	8.532	ug/L	100
104)	1,2-Dichlorobenzene	12.243	146	111552	8.545	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.042	155	6030	6.529	ug/L	98
109)	1,2,4-Trichlorobenzene	13.672	180	67544	7.497	ug/L	100
111)	1,2,3-Trichlorobenzene	14.138	180	57476	7.414	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A11.D
 Acq On : 11 Sep 2025 11:32 am
 Operator : VOA105:mjv
 Sample : WG2113542-6,31,10,10,,A1 (Sig #1); L2555605-02MS,31,10,10,,A1 (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 13:58:29 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Quantitation Report

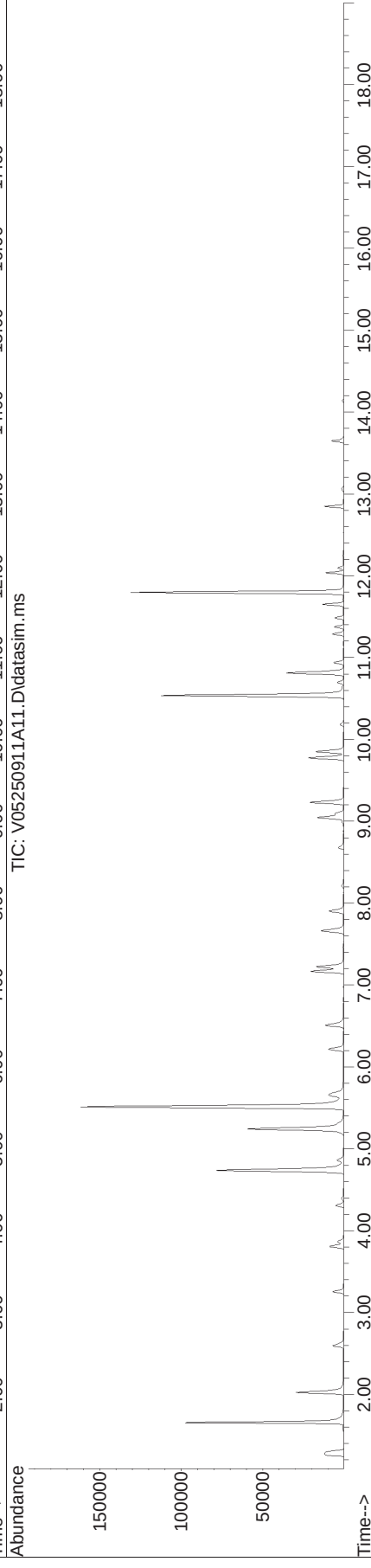
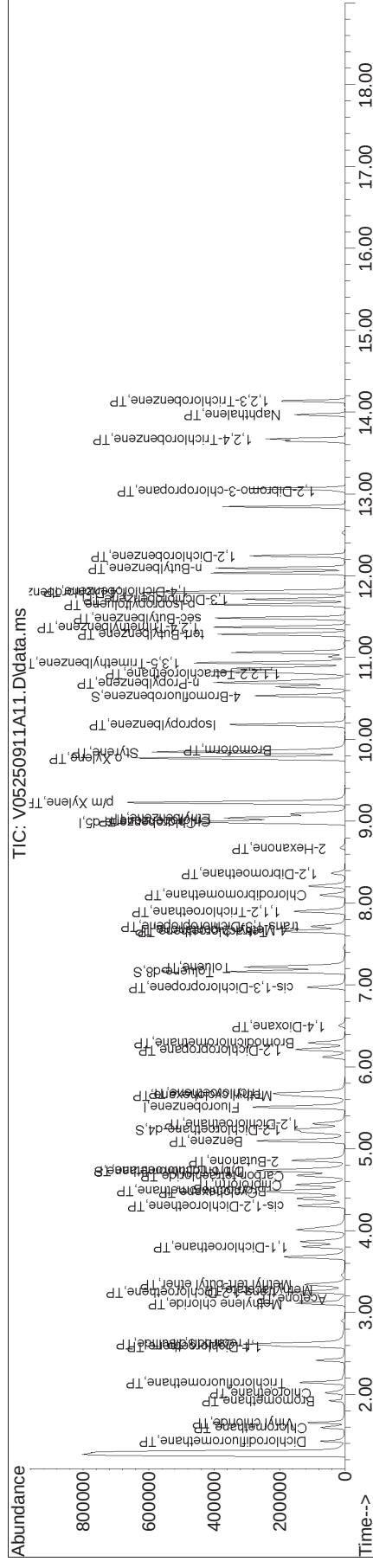
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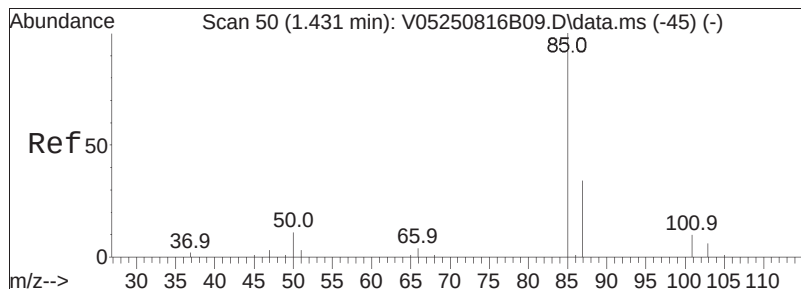
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Data File     : V05250911A11.D
Acq On       : 11 Sep 2025 11:32 am
Operator      : VOA105:mjv
Sample        : WG2113542-6,31,10,10,,A1 (Sig #1); L2555605-02MS,31,10,10,,A1 (Sig #2)
Misc         : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
ALS Vial     : 11 Sample Multiplier: 1

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Quant Time: Sep 11 13:58:29 2025
Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:47:41 2025
Response via : Initial Calibration

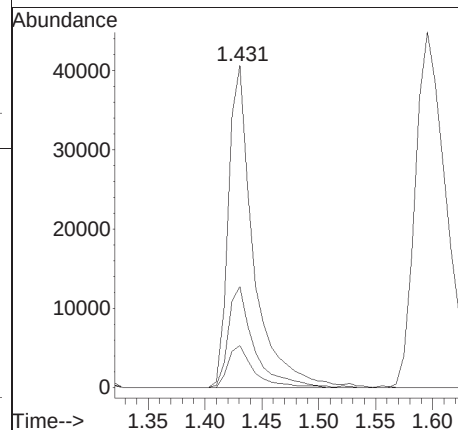
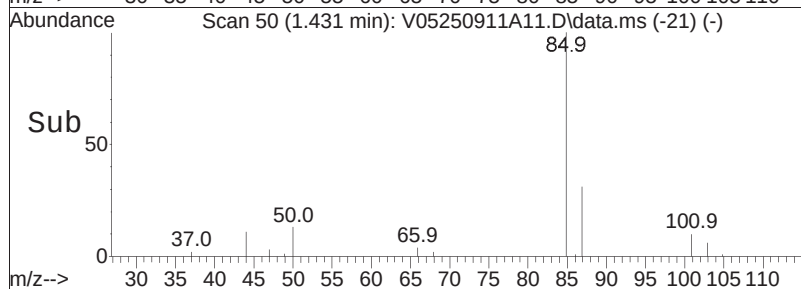
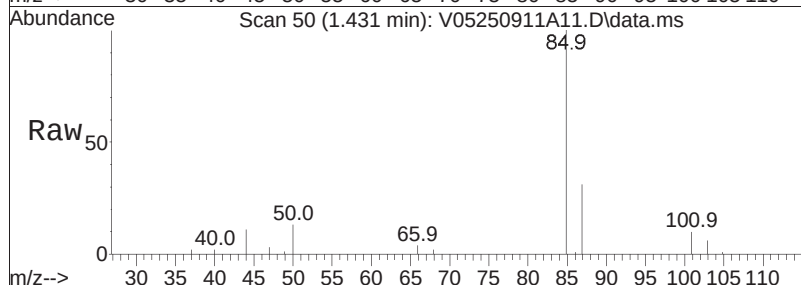
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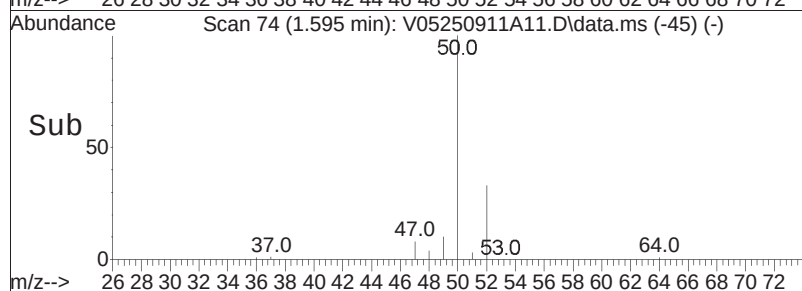
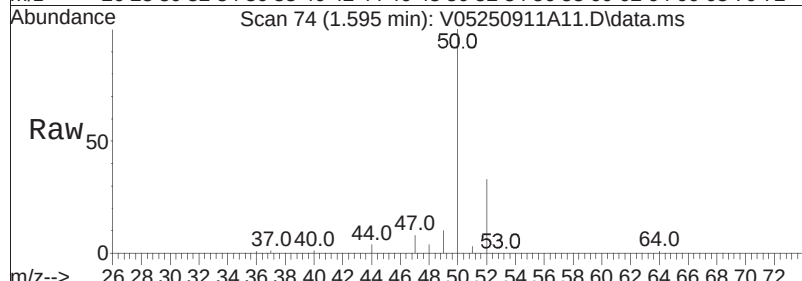
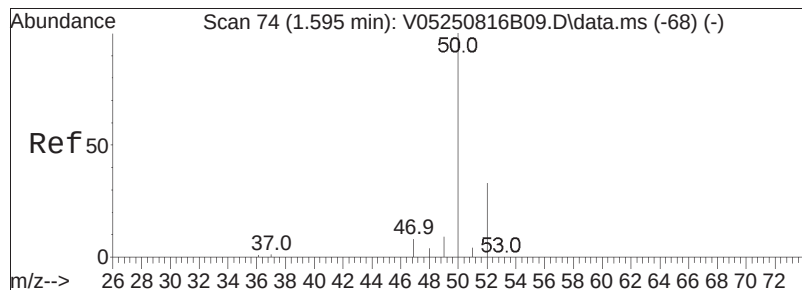




#2
 Dichlorodifluoromethane
 Concen: 6.54 ug/L
 RT: 1.431 min Scan# 50
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

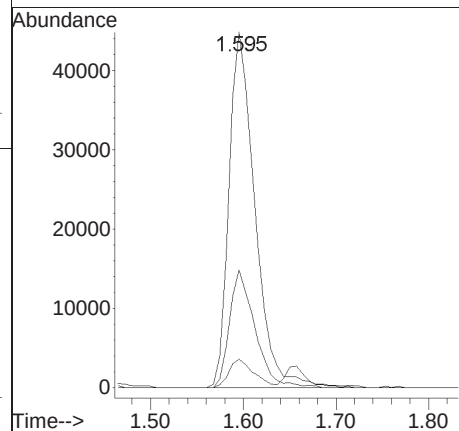
Tgt Ion:	85	Resp:	62452
Ion Ratio	Lower	Upper	
85	100		
87	31.8	21.2	44.0
50	13.2	7.9	16.3

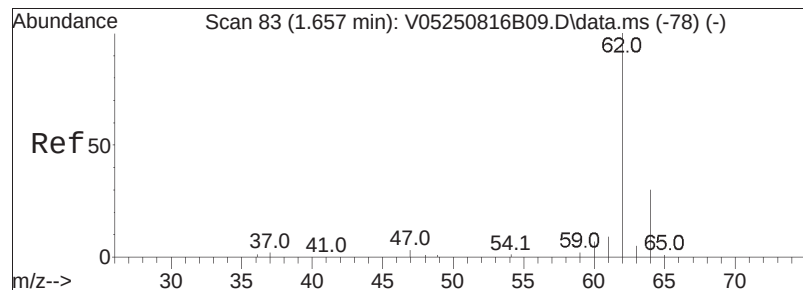




#3
 Chloromethane
 Concen: 11.34 ug/L
 RT: 1.595 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

Tgt Ion:	50	Resp:	87376
Ion Ratio	Lower	Upper	
50	100		
52	32.1	13.6	53.6
47	7.6	0.0	27.6





#4

Vinyl chloride

Concen: 11.97 ug/L

RT: 1.657 min Scan# 83

Delta R.T. 0.000 min

Lab File: V05250911A11.D

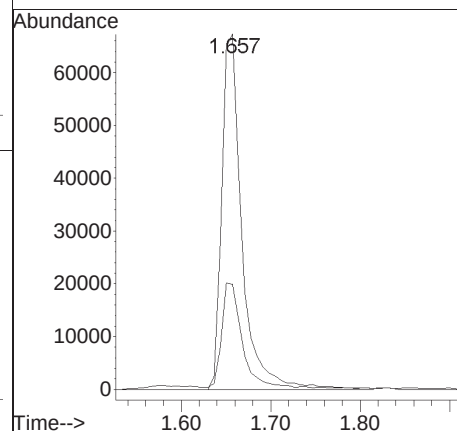
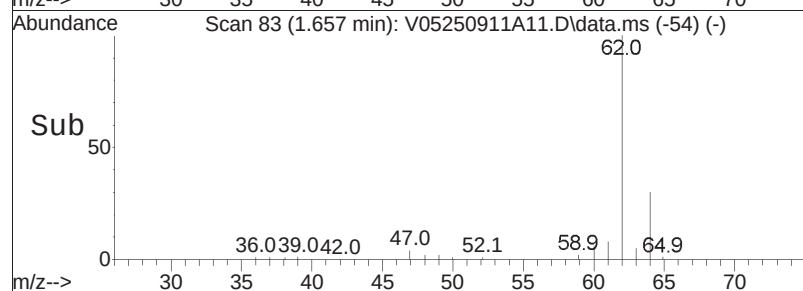
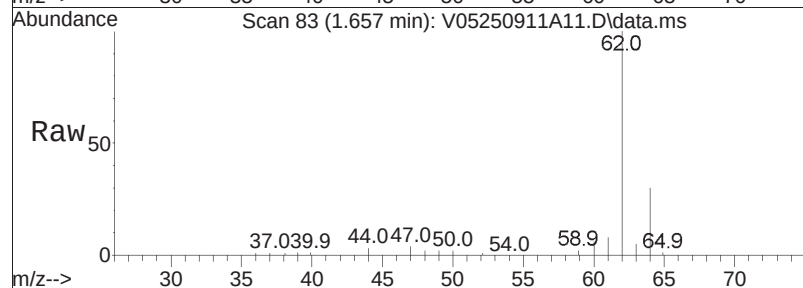
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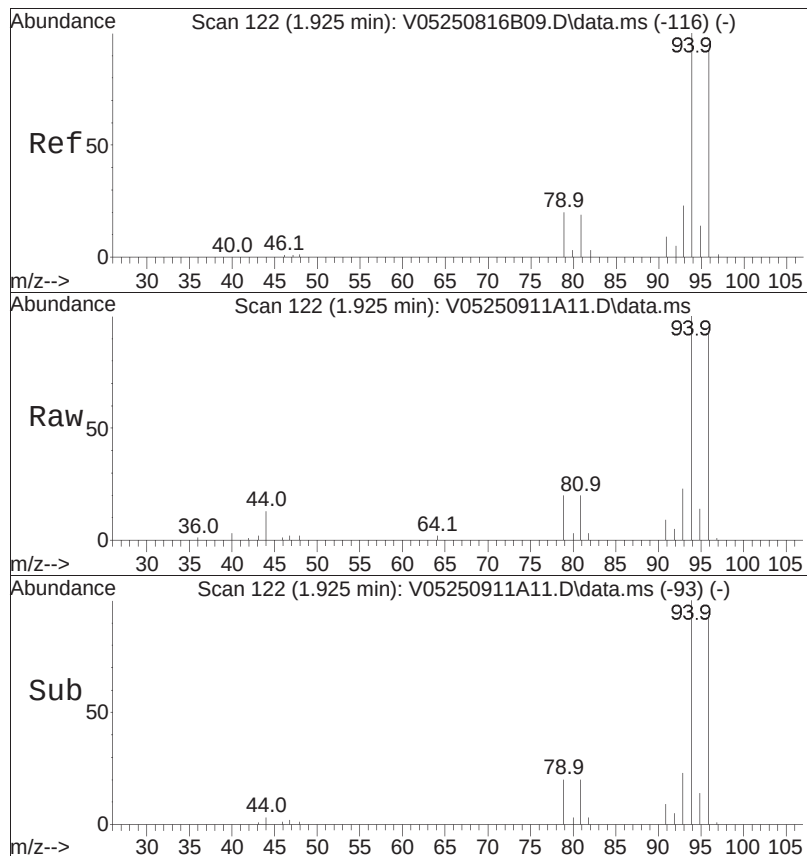
Tgt Ion: 62 Resp: 105965

Ion Ratio Lower Upper

62 100

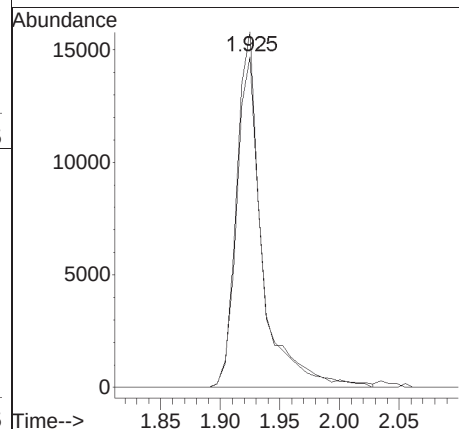
64 30.5 10.7 50.7

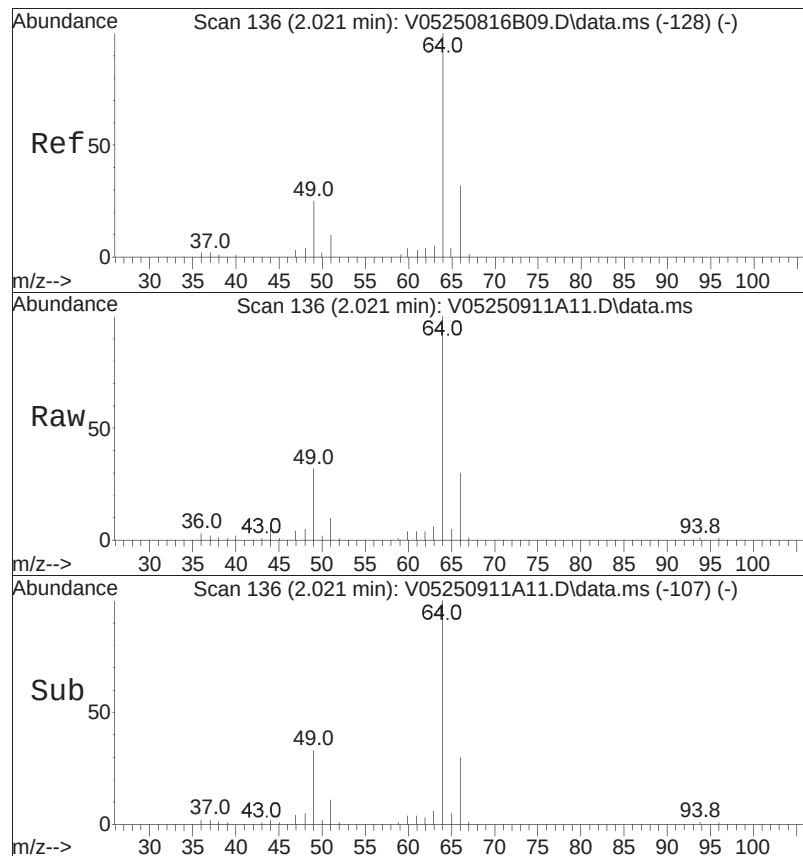




#5
 Bromomethane
 Concen: 6.13 ug/L
 RT: 1.925 min Scan# 122
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

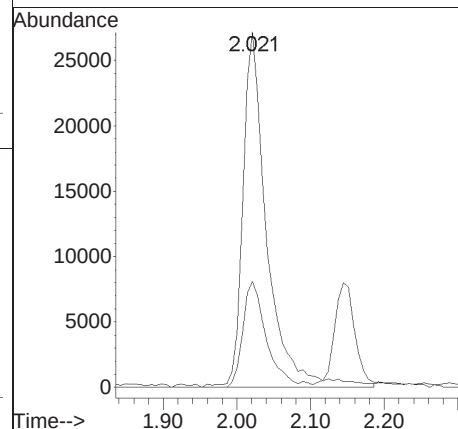
Tgt Ion	Ratio	Lower	Upper
94	100		
96	93.7	71.2	111.2

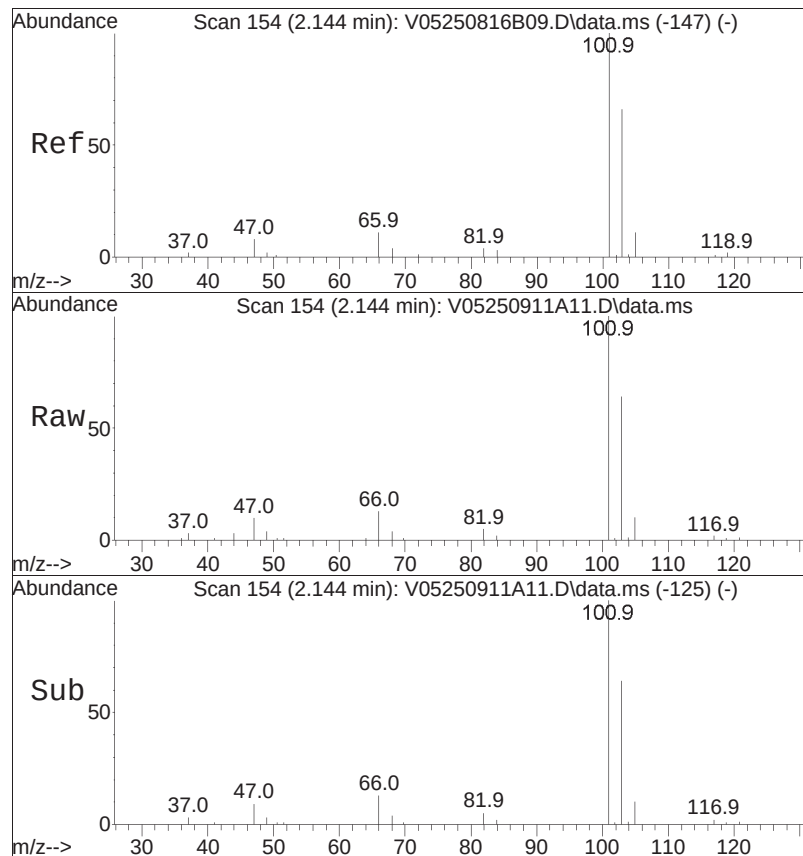




#6
 Chloroethane
 Concen: 12.00 ug/L
 RT: 2.021 min Scan# 136
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

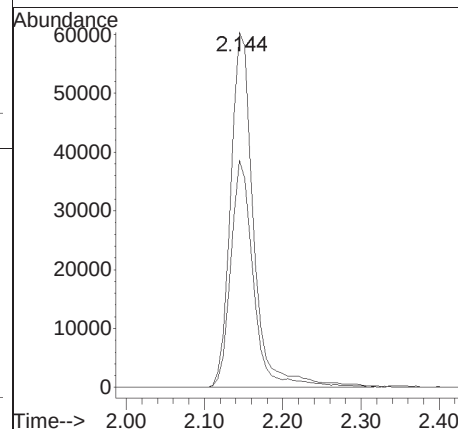
Tgt Ion	Ratio	Lower	Upper
64	100		
66	29.6	10.1	50.1

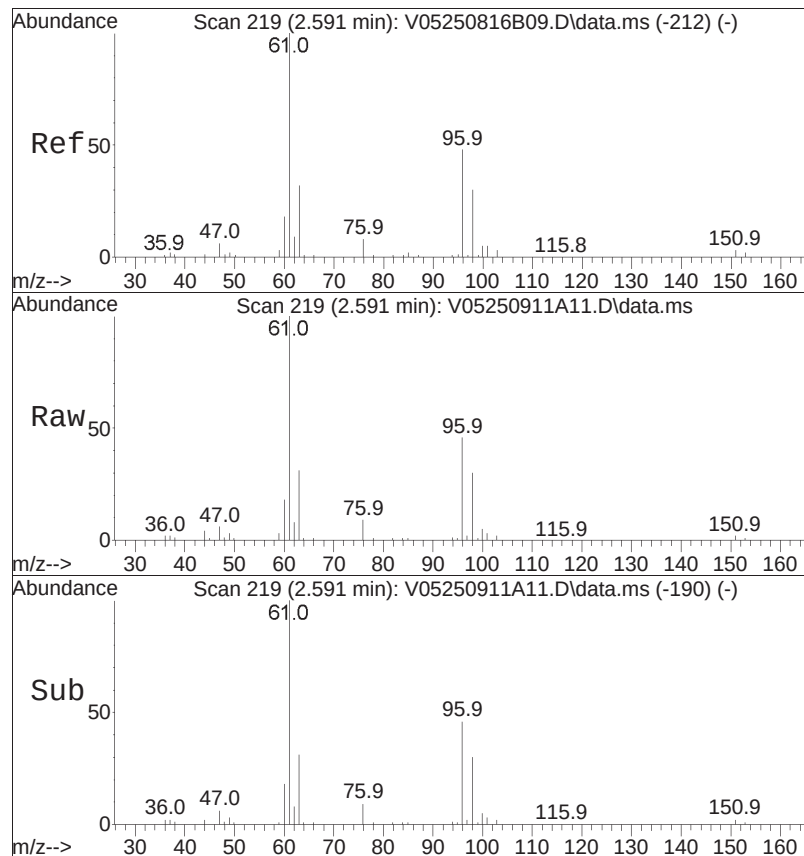




#7
 Trichlorofluoromethane
 Concen: 8.73 ug/L
 RT: 2.144 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

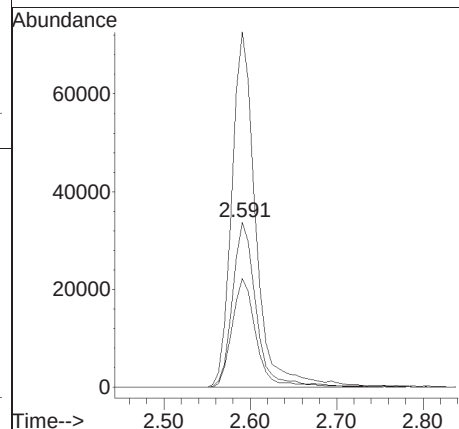
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	63.3	51.8	77.8	

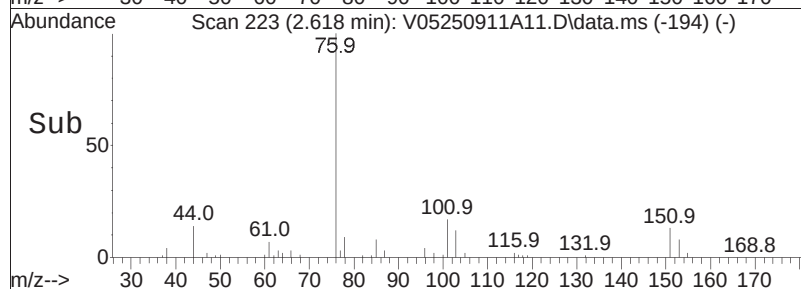
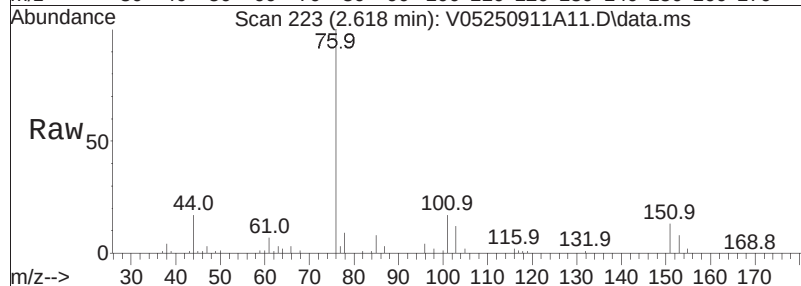
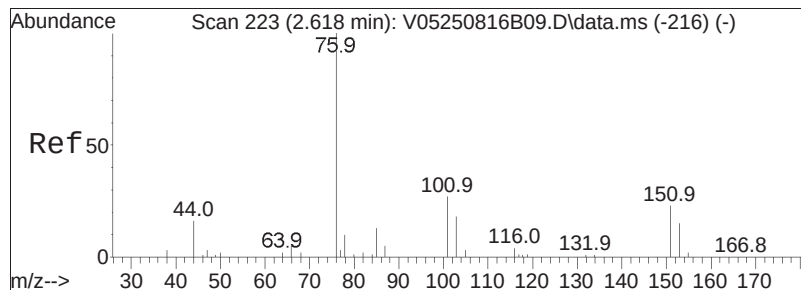




#10
 1,1-Dichloroethene
 Concen: 10.76 ug/L
 RT: 2.591 min Scan# 219
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

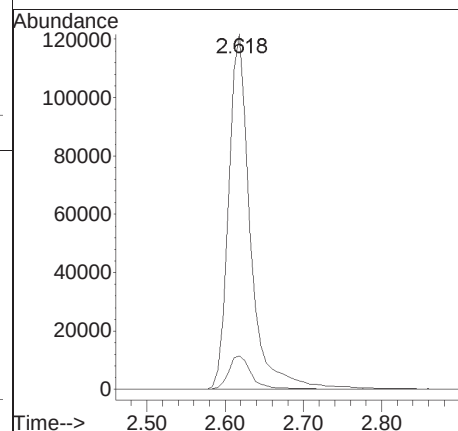
Tgt	Ion	Resp	Lower	Upper
96	100			
61	215.6	169.4	254.2	
63	67.2	52.9	79.3	

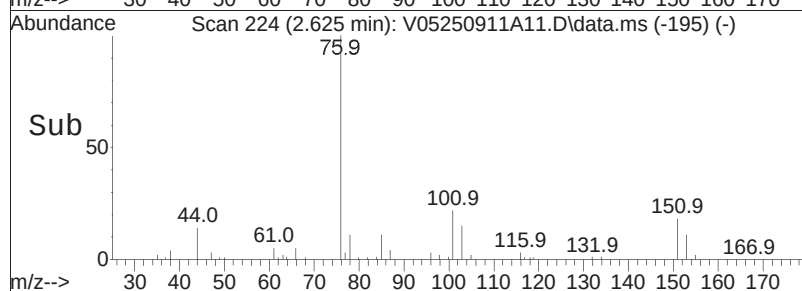
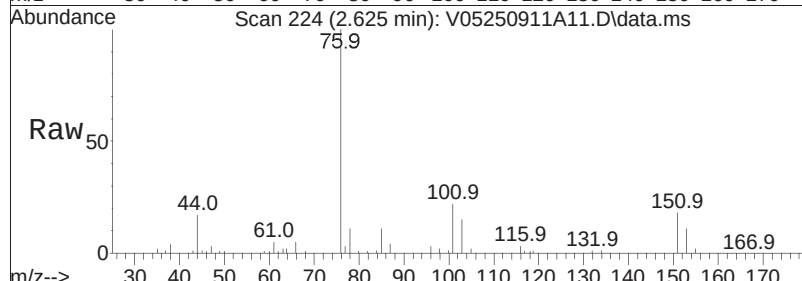
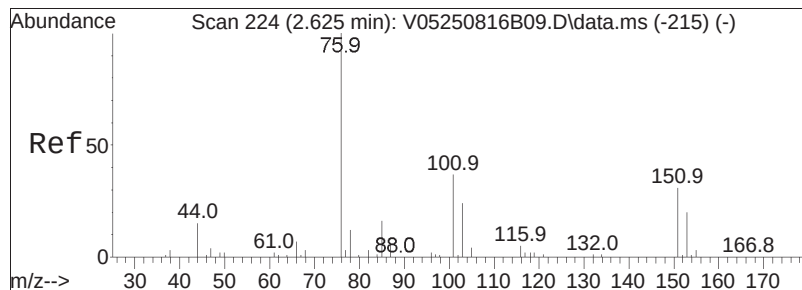




#11
Carbon disulfide
Concen: 11.42 ug/L
RT: 2.618 min Scan# 223
Delta R.T. 0.000 min
Lab File: V05250911A11.D
Acq: 11 Sep 2025 11:32 am

Tgt Ion:	76	Resp:	236166
Ion Ratio	100	Lower	Upper
78	10.0	6.8	14.2





#12

Freon-113

Concen: 8.26 ug/L

RT: 2.625 min Scan# 224

Delta R.T. -0.000 min

Lab File: V05250911A11.D

Acq: 11 Sep 2025 11:32 am

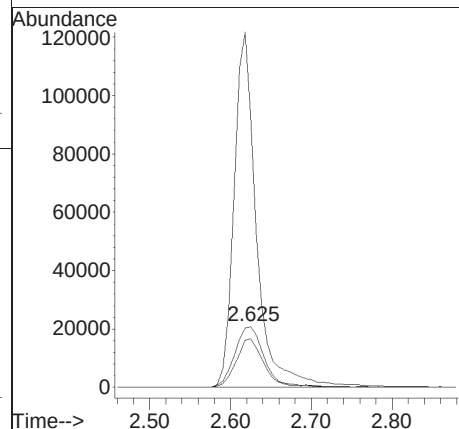
Tgt Ion:101 Resp: 54027

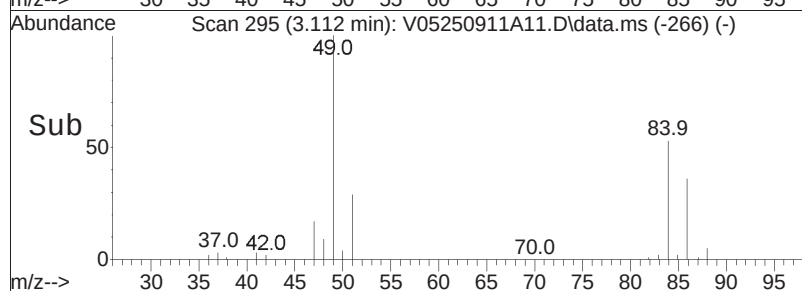
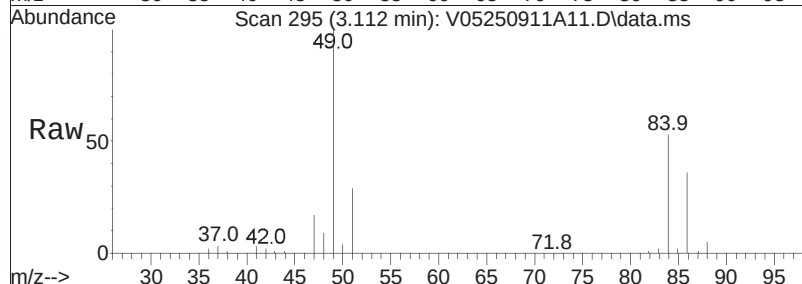
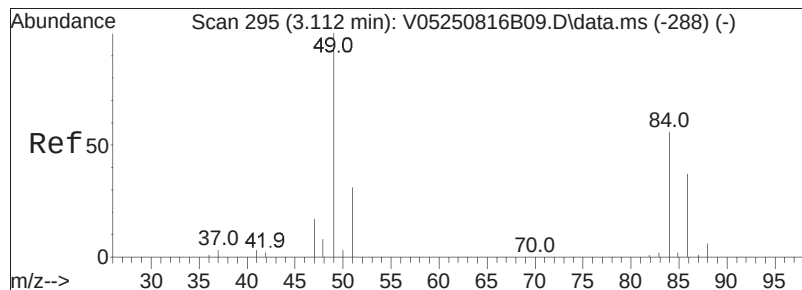
Ion Ratio Lower Upper

101 100

151 75.2 67.0 100.6

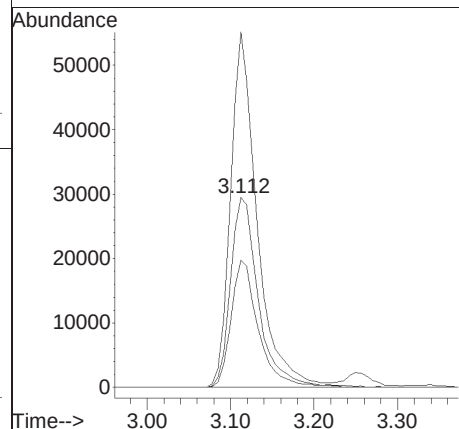
76 437.4 239.8 359.8#

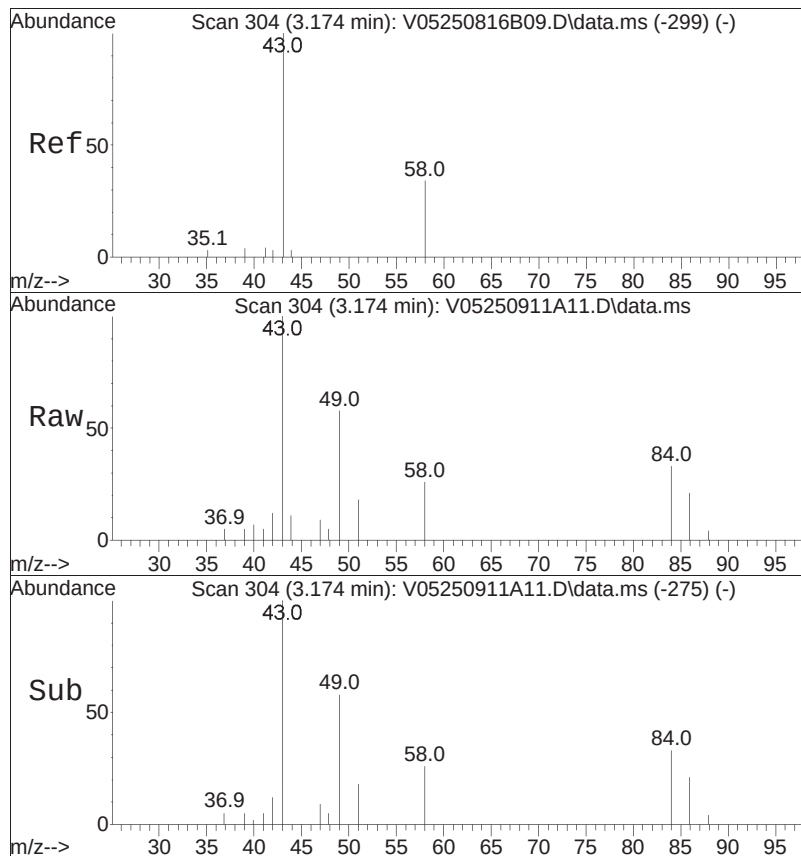




#15
Methylene chloride
Concen: 9.57 ug/L
RT: 3.112 min Scan# 295
Delta R.T. 0.000 min
Lab File: V05250911A11.D
Acq: 11 Sep 2025 11:32 am

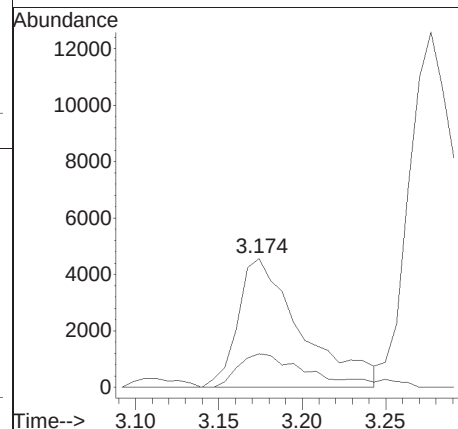
Tgt Ion	Ratio	Resp	Lower	Upper
84	100	68976		
86	65.3		43.2	89.8
49	176.2		116.4	241.8

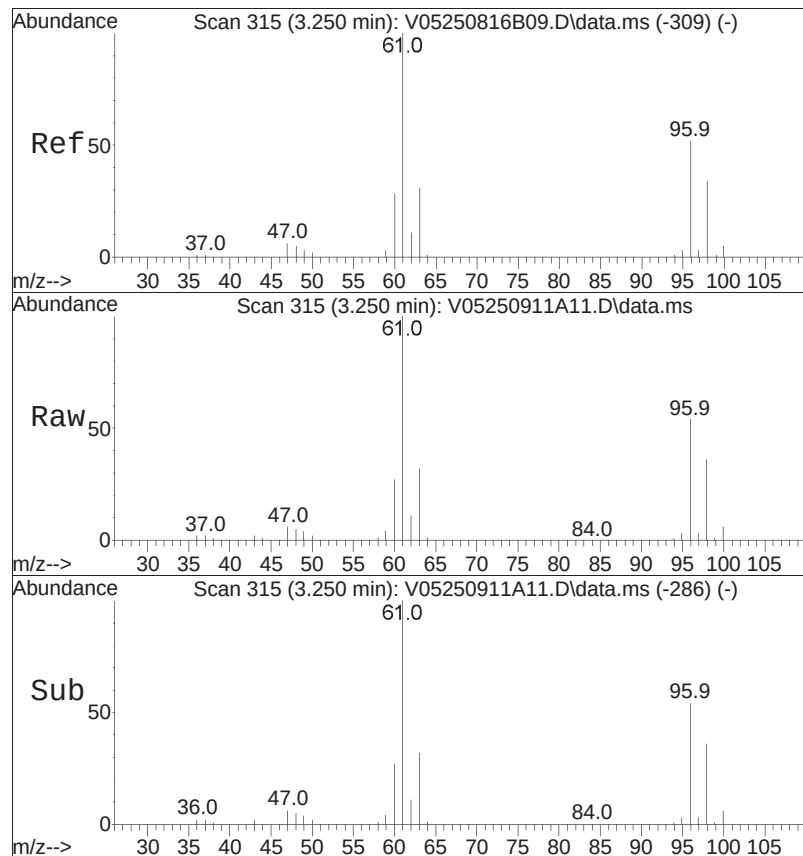




#17
 Acetone
 Concen: 8.94 ug/L
 RT: 3.174 min Scan# 304
 Delta R.T. 0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

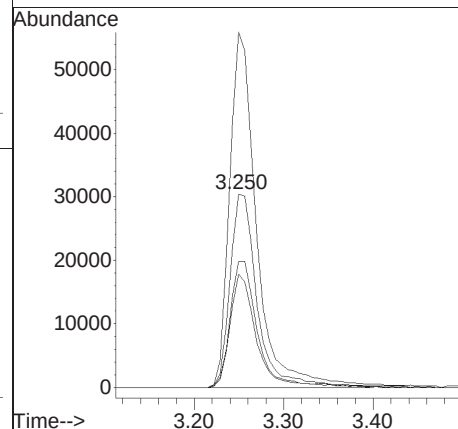
Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.6	40.0

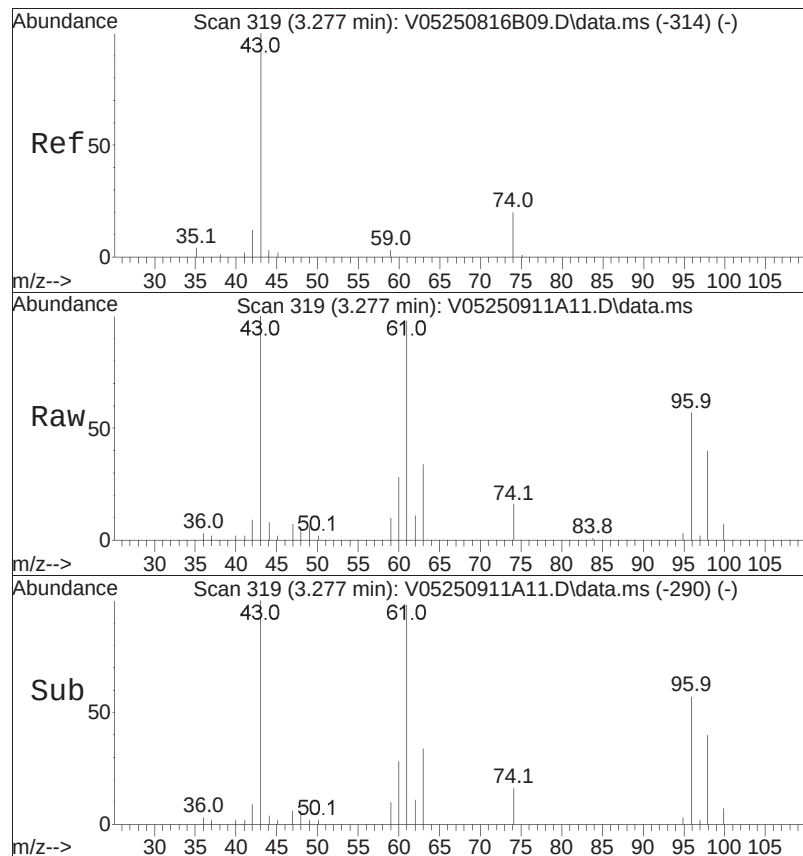




#18
 trans-1,2-Dichloroethene
 Concen: 9.30 ug/L
 RT: 3.250 min Scan# 315
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

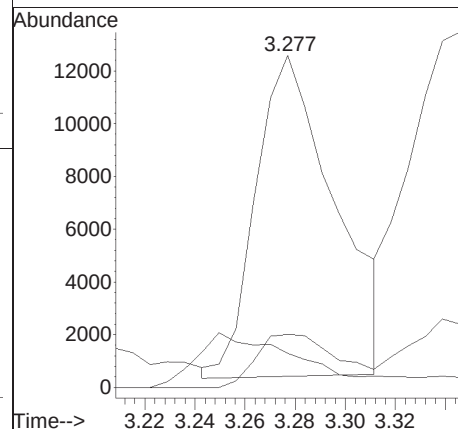
Tgt Ion: 96	Resp: 64789
Ion Ratio	Lower Upper
96 100	
61 181.8	125.3 260.1
98 63.7	42.8 89.0
63 56.8	38.7 80.3

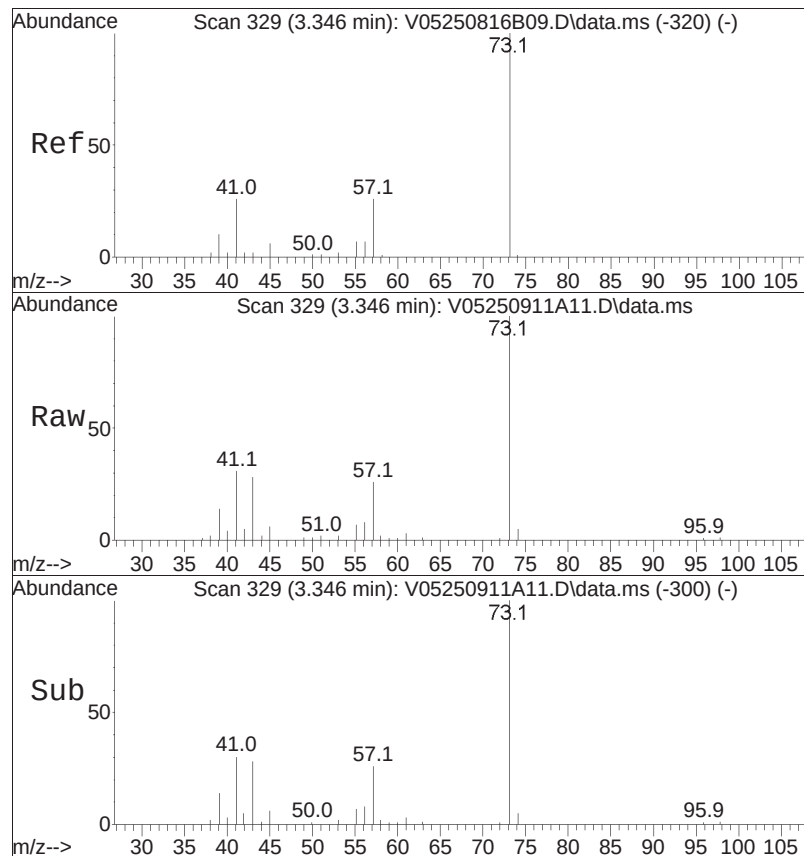




#19
Methyl acetate
Concen: 8.05 ug/L
RT: 3.277 min Scan# 319
Delta R.T. 0.000 min
Lab File: V05250911A11.D
Acq: 11 Sep 2025 11:32 am

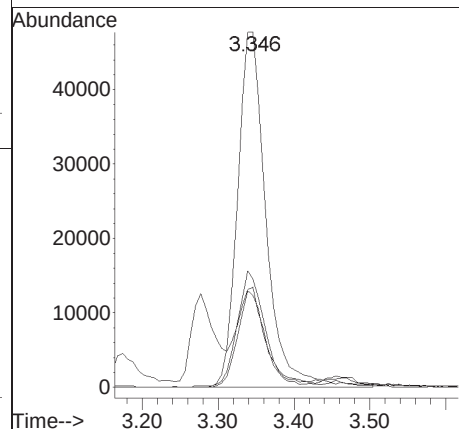
Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.4	14.4	21.6
59	23.1	17.9	26.9

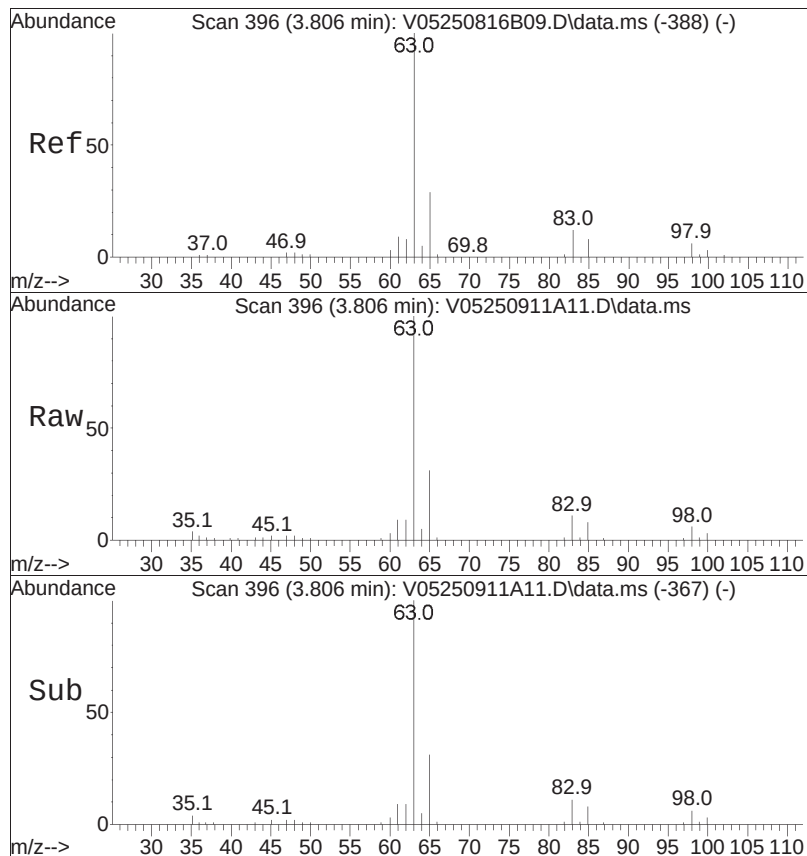




#20
Methyl tert-butyl ether
Concen: 7.13 ug/L
RT: 3.346 min Scan# 329
Delta R.T. -0.000 min
Lab File: V05250911A11.D
Acq: 11 Sep 2025 11:32 am

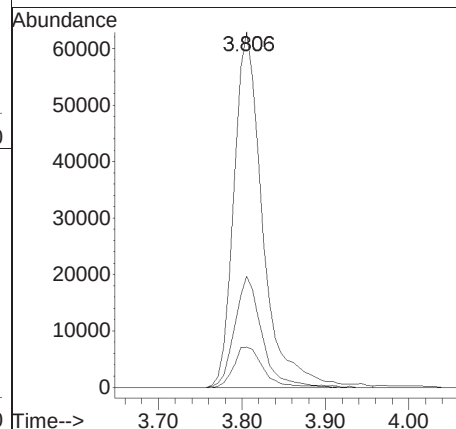
Tgt Ion:	73	Resp:	125751
Ion	Ratio	Lower	Upper
73	100		
57	26.1	16.7	34.7
43	26.3	15.7	32.7
41	32.6	15.9	33.1

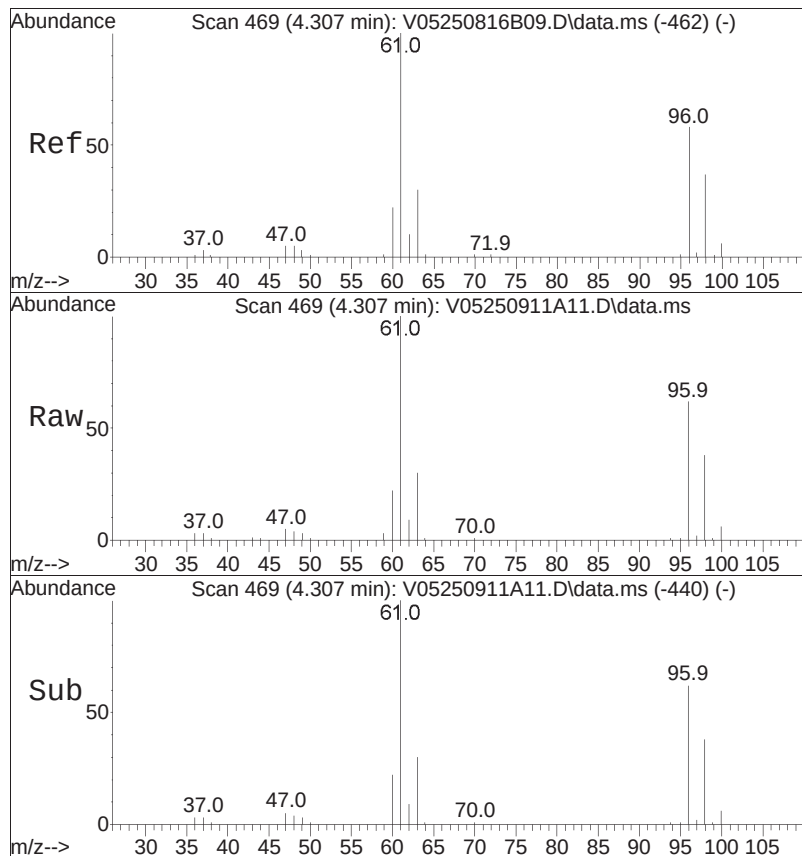




#23
 1,1-Dichloroethane
 Concen: 9.32 ug/L
 RT: 3.806 min Scan# 396
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

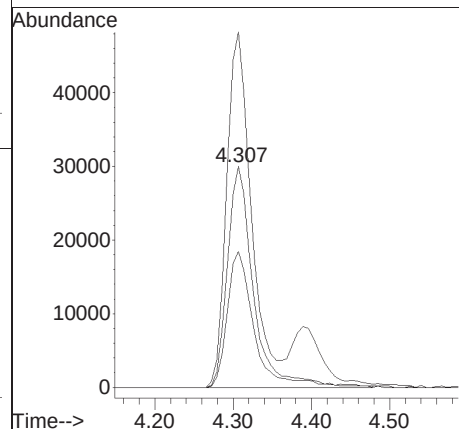
Tgt	Ion: 63	Resp:	150969
Ion	Ratio	Lower	Upper
63	100		
65	29.7	8.6	48.6
83	11.7	0.0	31.7

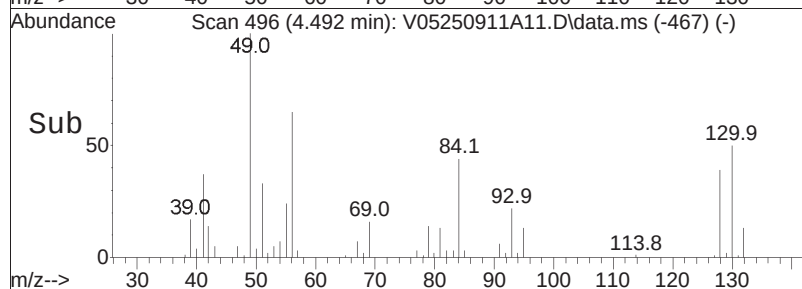
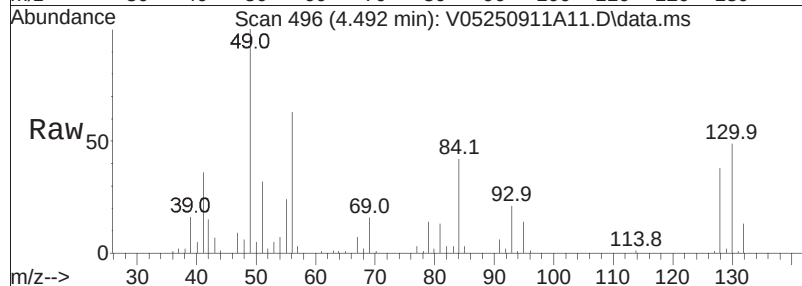
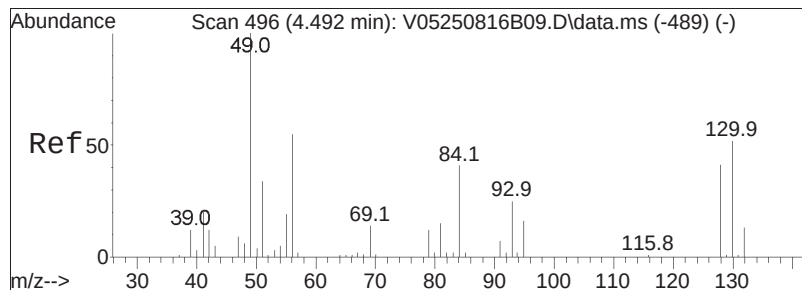




#28
 cis-1,2-Dichloroethene
 Concen: 9.06 ug/L
 RT: 4.307 min Scan# 469
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	131.4	197.2
98	63.7	49.8	74.8





#30

Bromochloromethane

Concen: 9.42 ug/L

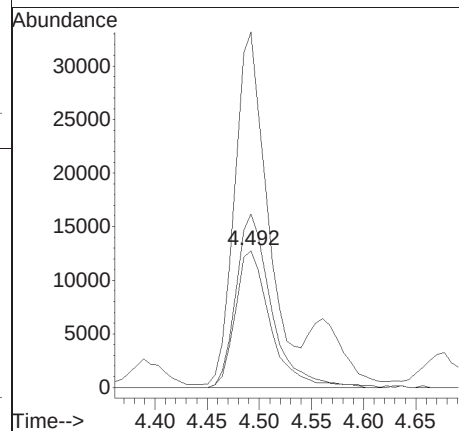
RT: 4.492 min Scan# 496

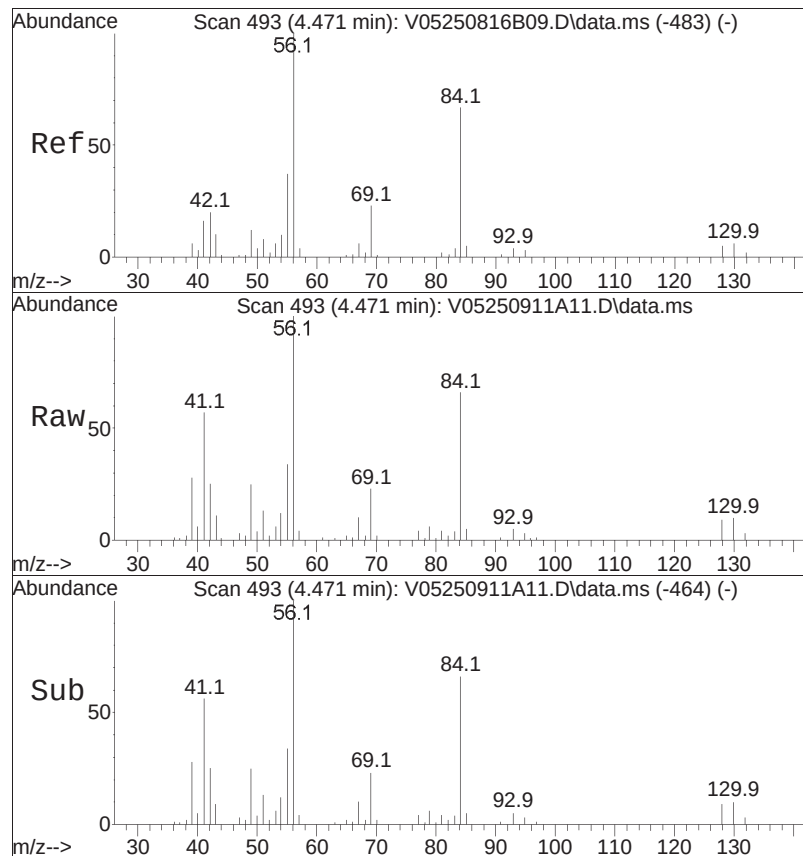
Delta R.T. -0.000 min

Lab File: V05250911A11.D

Acq: 11 Sep 2025 11:32 am

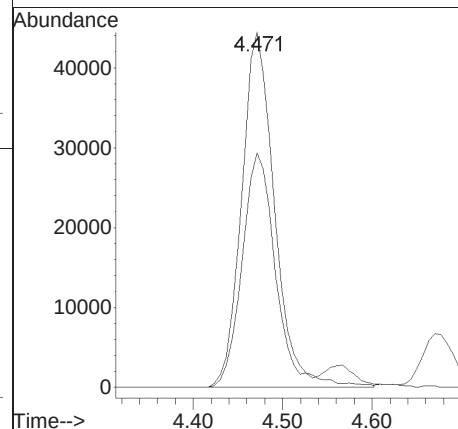
Tgt Ion:	128	Resp:	29829
Ion Ratio	Lower	Upper	
128	100		
49	241.2	186.2	279.4
130	128.0	105.0	157.4

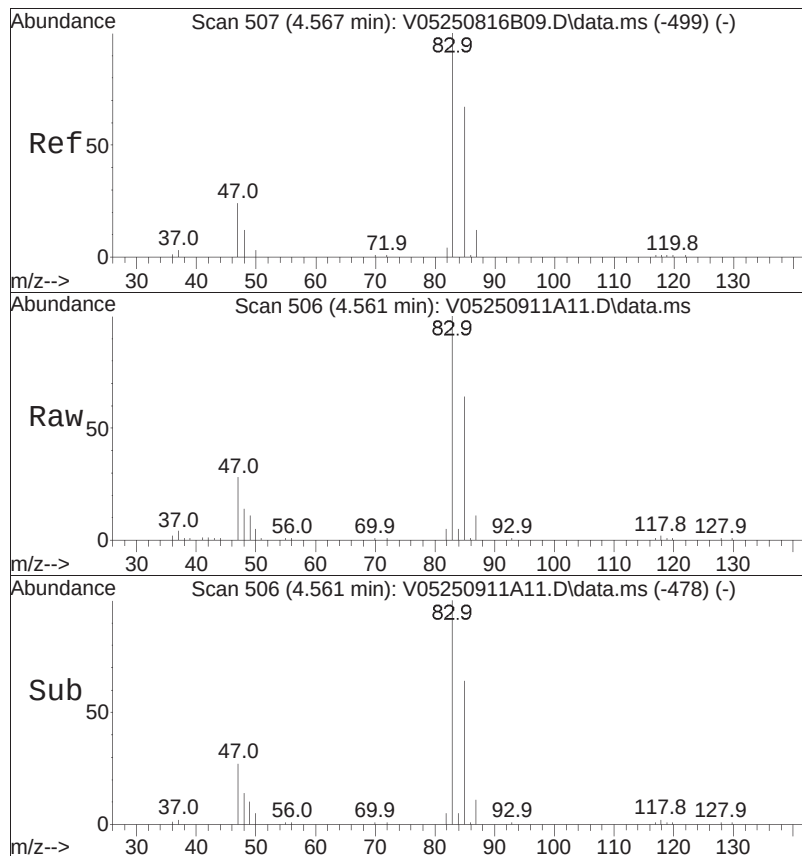




#31
 Cyclohexane
 Concen: 7.28 ug/L
 RT: 4.471 min Scan# 493
 Delta R.T. 0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

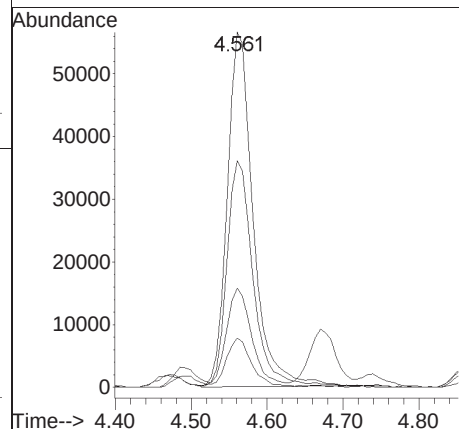
Tgt	Ion	Resp	Lower	Upper
56	100			
84	65.7	41.1	85.5	

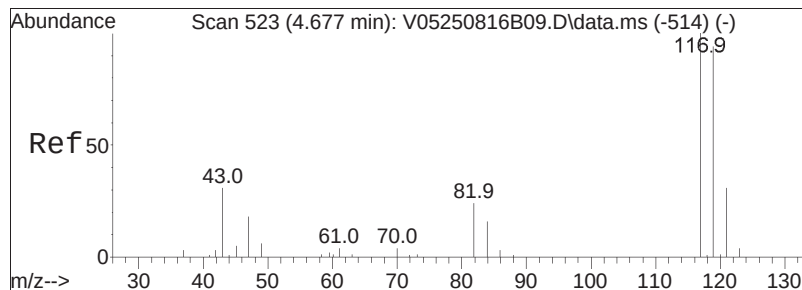




#32
 Chloroform
 Concen: 9.04 ug/L
 RT: 4.561 min Scan# 506
 Delta R.T. -0.006 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

Tgt	Ion: 83	Resp:	134428
Ion	Ratio	Lower	Upper
83	100		
85	64.4	42.6	88.4
47	24.9	15.5	32.3
48	13.0	8.4	17.4





#34

Carbon tetrachloride

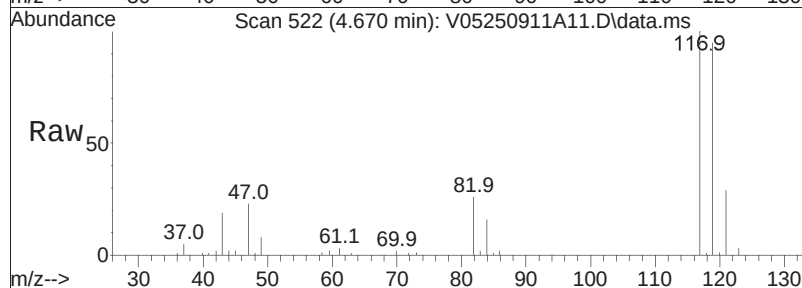
Concen: 8.11 ug/L

RT: 4.670 min Scan# 522

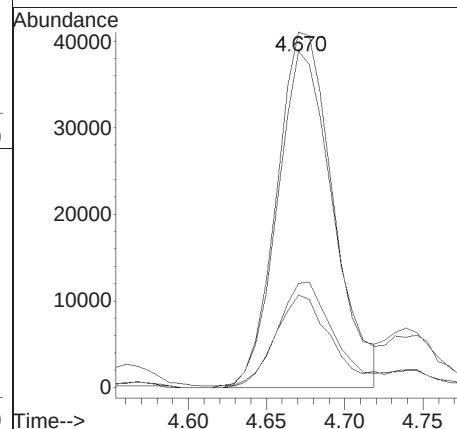
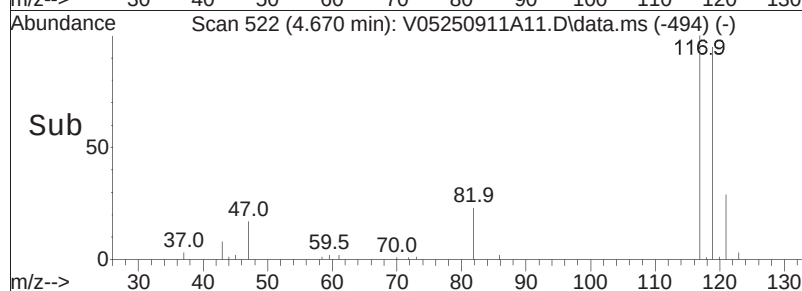
Delta R.T. -0.007 min

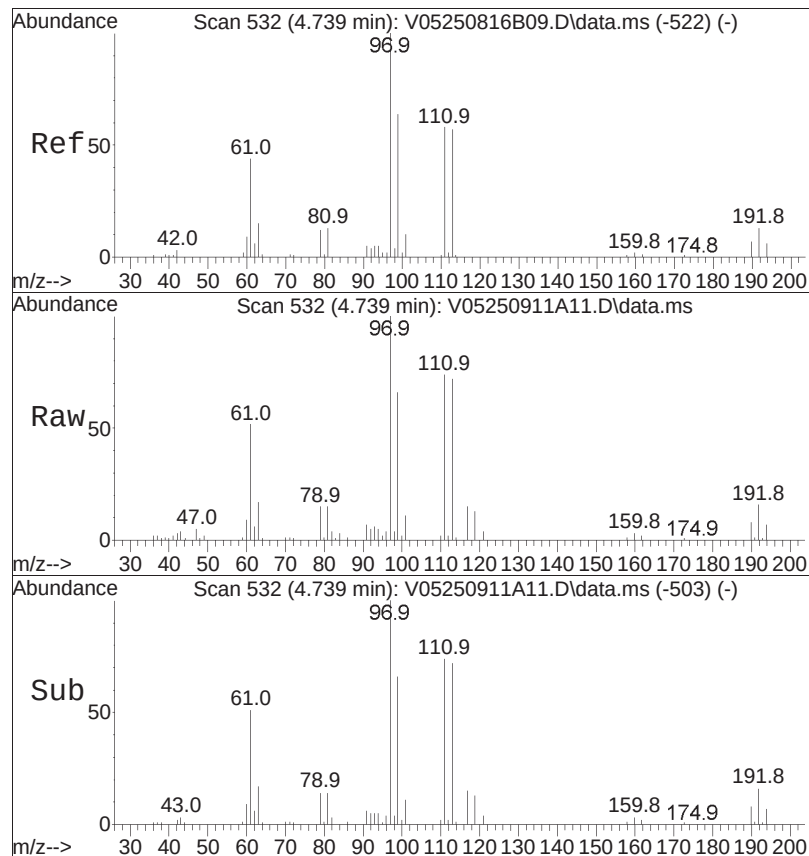
Lab File: V05250911A11.D

Acq: 11 Sep 2025 11:32 am



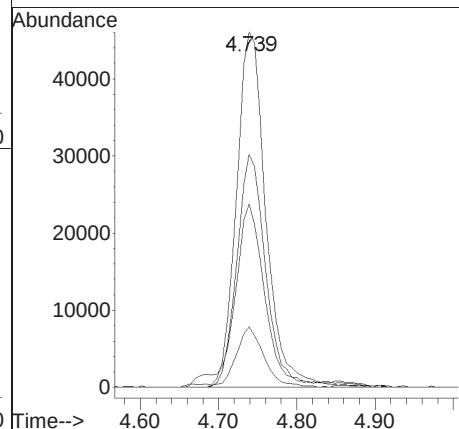
Tgt	Ion	Ratio	Resp	Lower	Upper
117	100				
119	93.7	58.9	122.3		
121	29.6	19.0	39.6		
82	26.2	15.4	32.0		

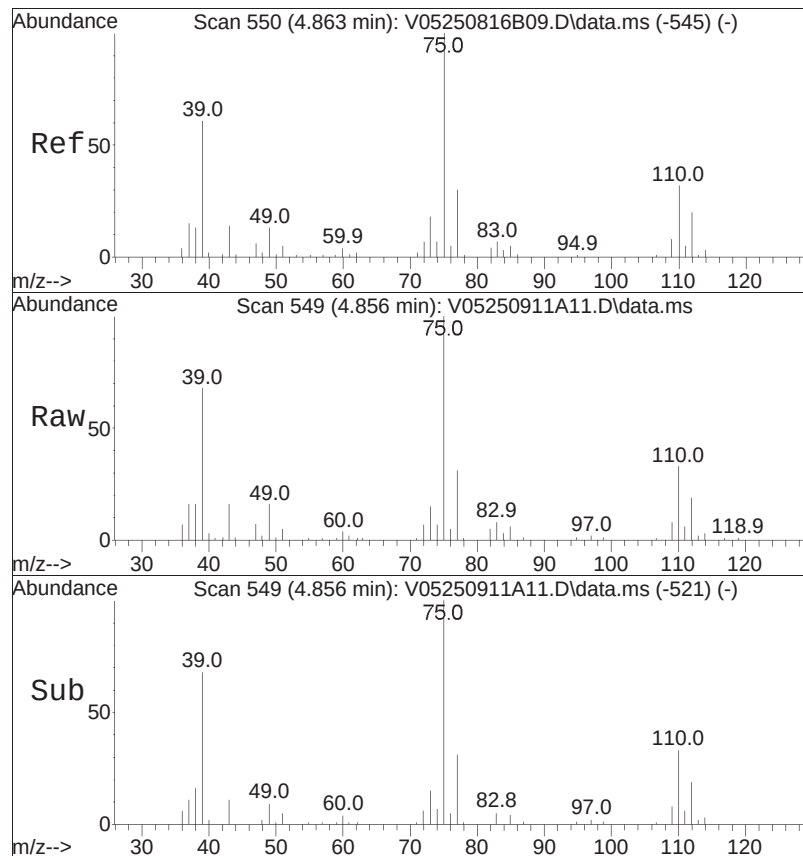




#37
 1,1,1-Trichloroethane
 Concen: 8.77 ug/L
 RT: 4.739 min Scan# 532
 Delta R.T. 0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

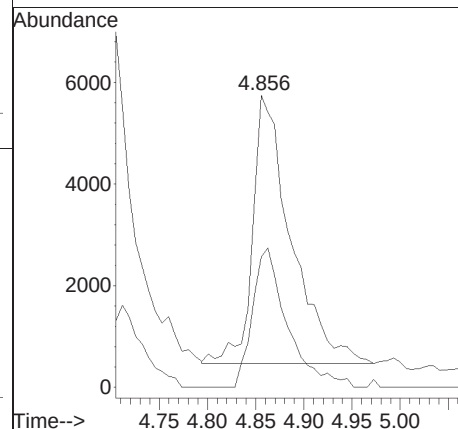
Tgt Ion:	97	Resp:	121988
Ion Ratio	Lower	Upper	
97	100		
99	64.5	41.9	86.9
61	53.0	30.4	63.0
63	16.0	9.6	20.0

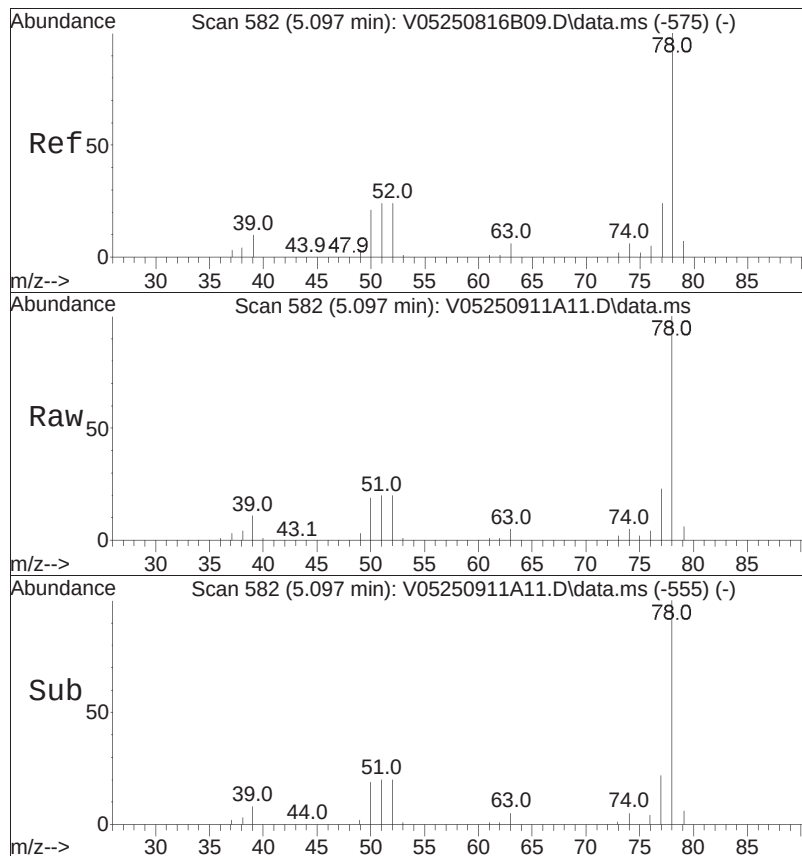




#39
 2-Butanone
 Concen: 7.25 ug/L
 RT: 4.856 min Scan# 549
 Delta R.T. -0.007 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

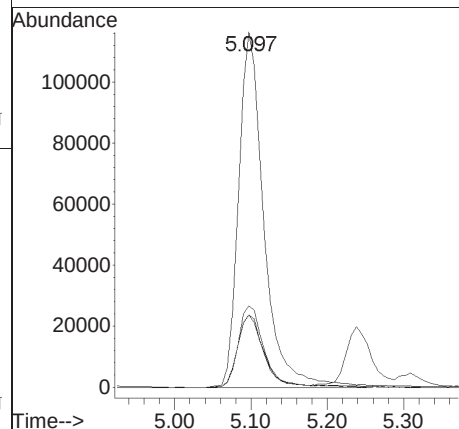
Tgt Ion:	43	72	Ion Ratio	100	Resp:	14720
Lower	34.6					
Upper	52.0					

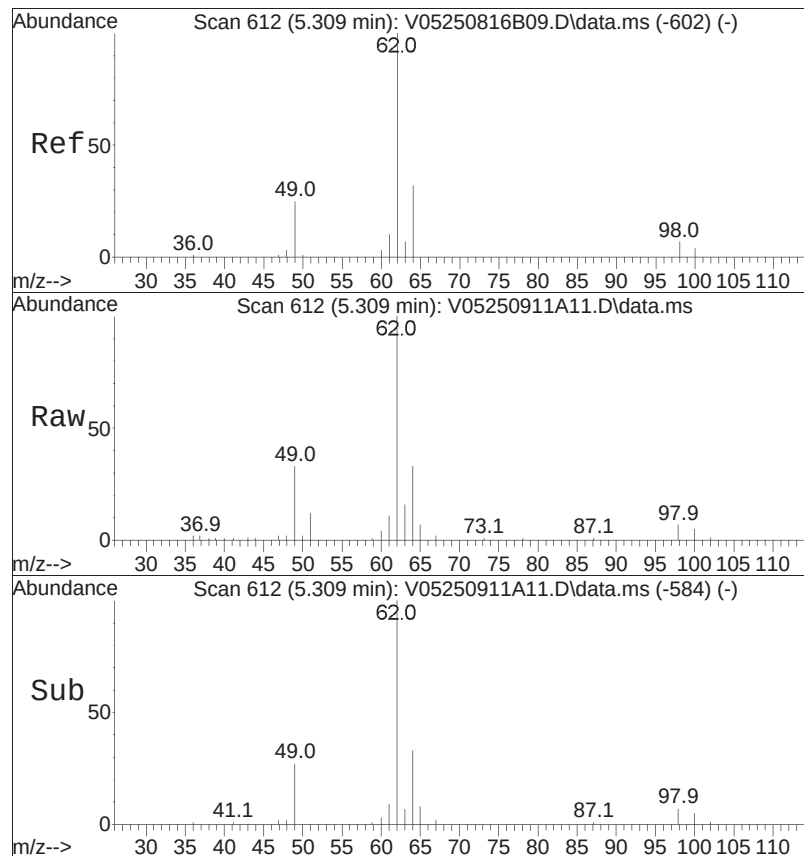




#41
Benzene
Concen: 9.73 ug/L
RT: 5.097 min Scan# 582
Delta R.T. 0.000 min
Lab File: V05250911A11.D
Acq: 11 Sep 2025 11:32 am

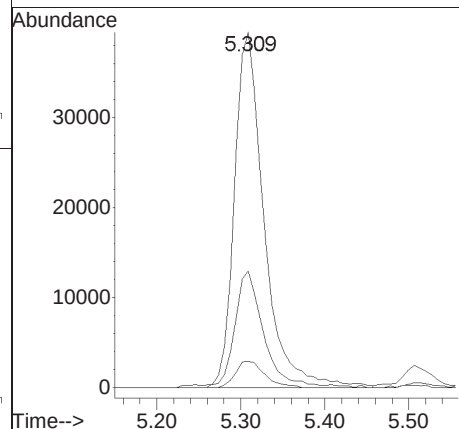
Tgt	Ion: 78	Resp:	286150
Ion	Ratio	Lower	Upper
78	100		
77	23.8	15.5	32.3
51	21.9	15.5	32.3
52	21.3	15.0	31.1

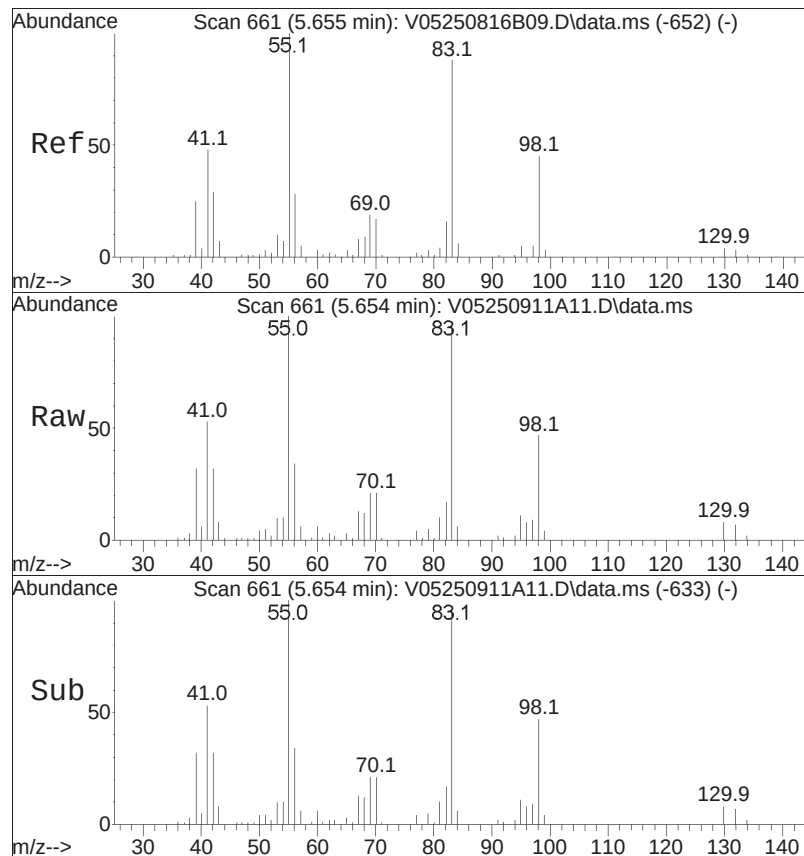




#44
 1,2-Dichloroethane
 Concen: 8.21 ug/L
 RT: 5.309 min Scan# 612
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

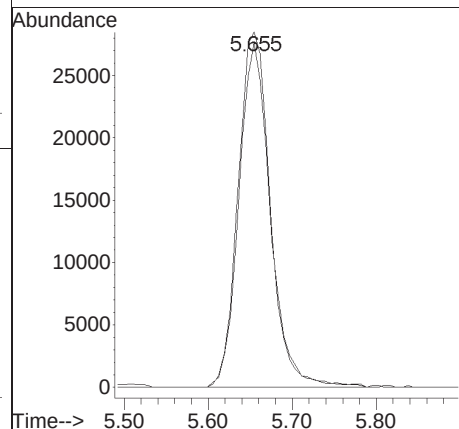
Tgt	Ion: 62	Resp:	96652
Ion	Ratio	Lower	Upper
62	100		
64	32.4	12.5	52.5
98	7.2	0.0	26.7

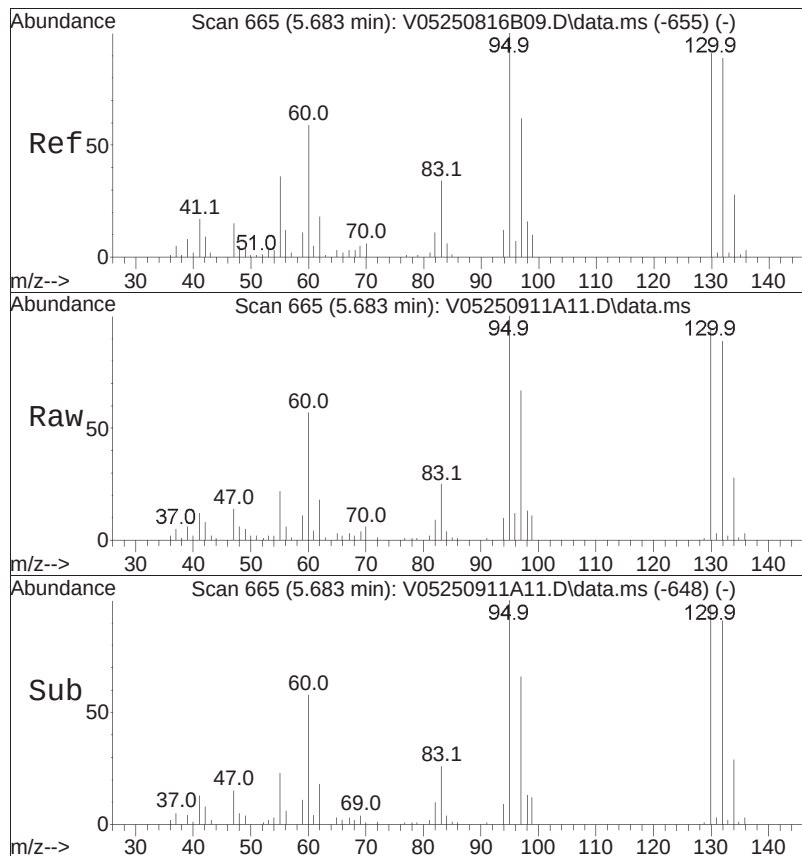




#47
Methyl cyclohexane
Concen: 5.77 ug/L
RT: 5.654 min Scan# 661
Delta R.T. -0.001 min
Lab File: V05250911A11.D
Acq: 11 Sep 2025 11:32 am

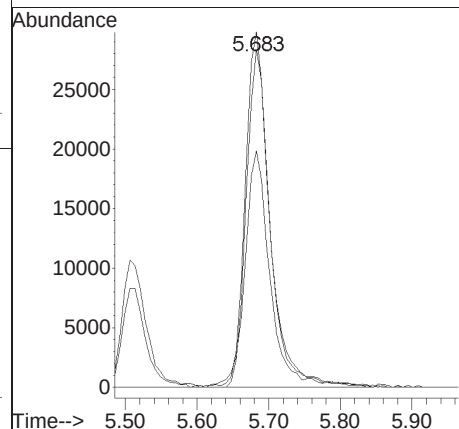
Tgt	Ion	Resp	Lower	Upper
83	100			
55	105.8	89.0	133.4	

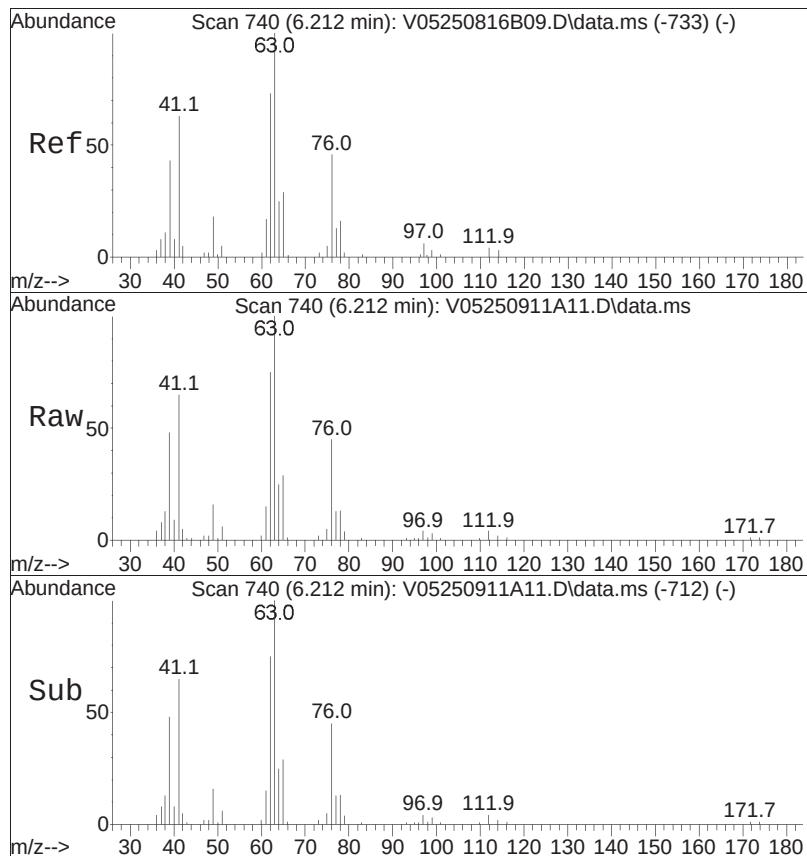




#48
 Trichloroethene
 Concen: 9.12 ug/L
 RT: 5.683 min Scan# 665
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

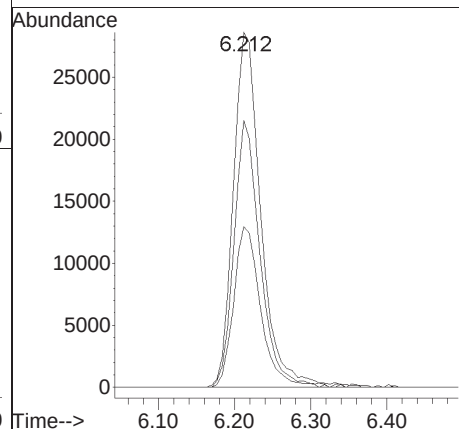
Tgt Ion:	95	Resp:	72432
Ion Ratio	Lower	Upper	
95	100		
97	67.2	55.0	82.4
130	91.7	75.2	112.8

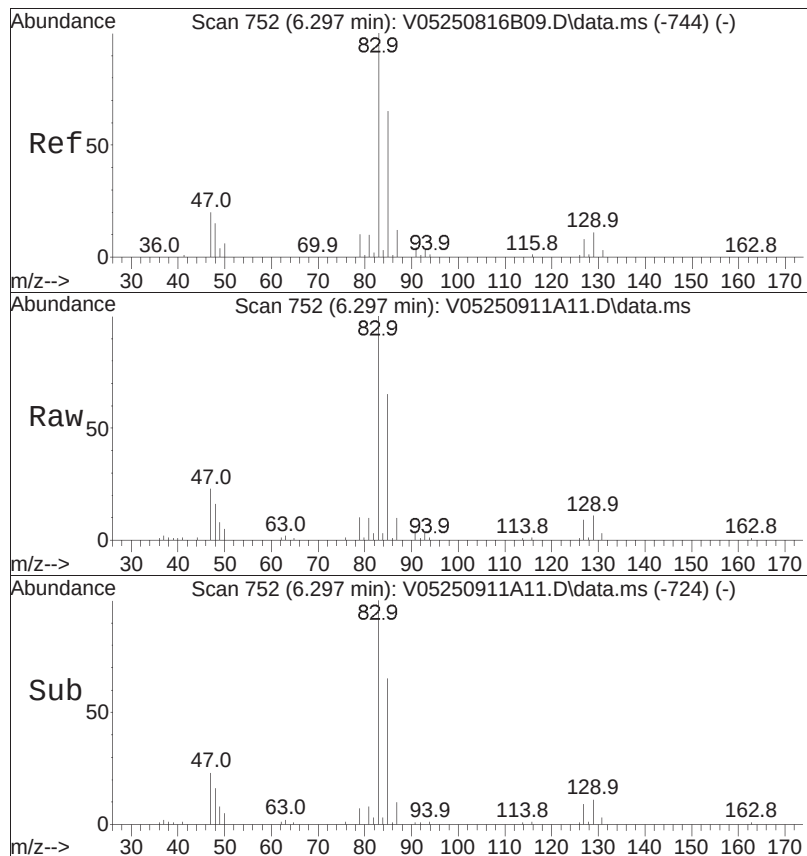




#51
 1,2-Dichloropropane
 Concen: 8.73 ug/L
 RT: 6.212 min Scan# 740
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

Tgt Ion	Ratio	Lower	Upper
63	100		
62	70.8	56.4	84.6
76	44.2	37.9	56.9





#54

Bromodichloromethane

Concen: 8.07 ug/L

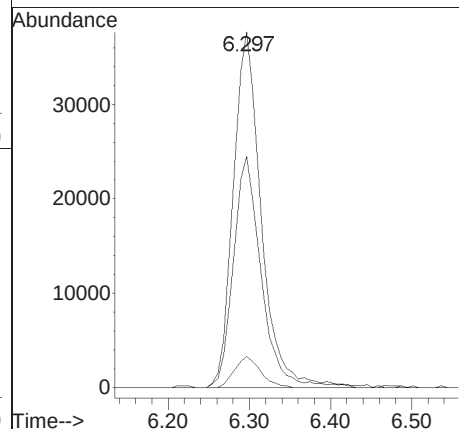
RT: 6.297 min Scan# 752

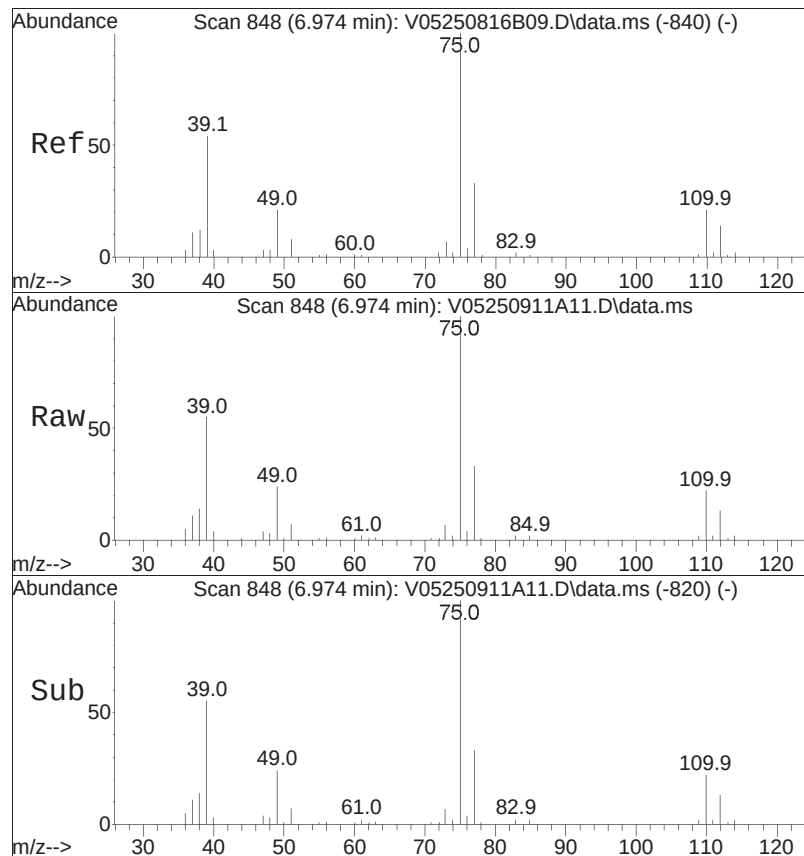
Delta R.T. -0.000 min

Lab File: V05250911A11.D

Acq: 11 Sep 2025 11:32 am

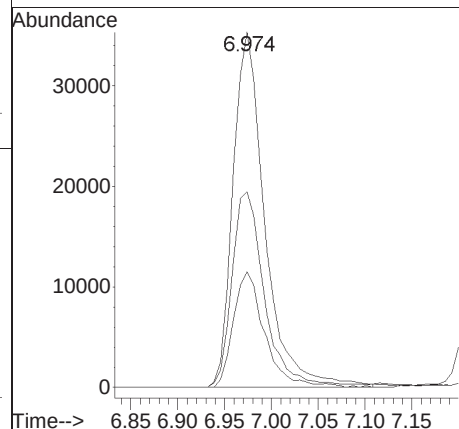
Tgt	Ion: 83	Resp:	90190
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.9	79.3
127	8.0	6.5	9.7

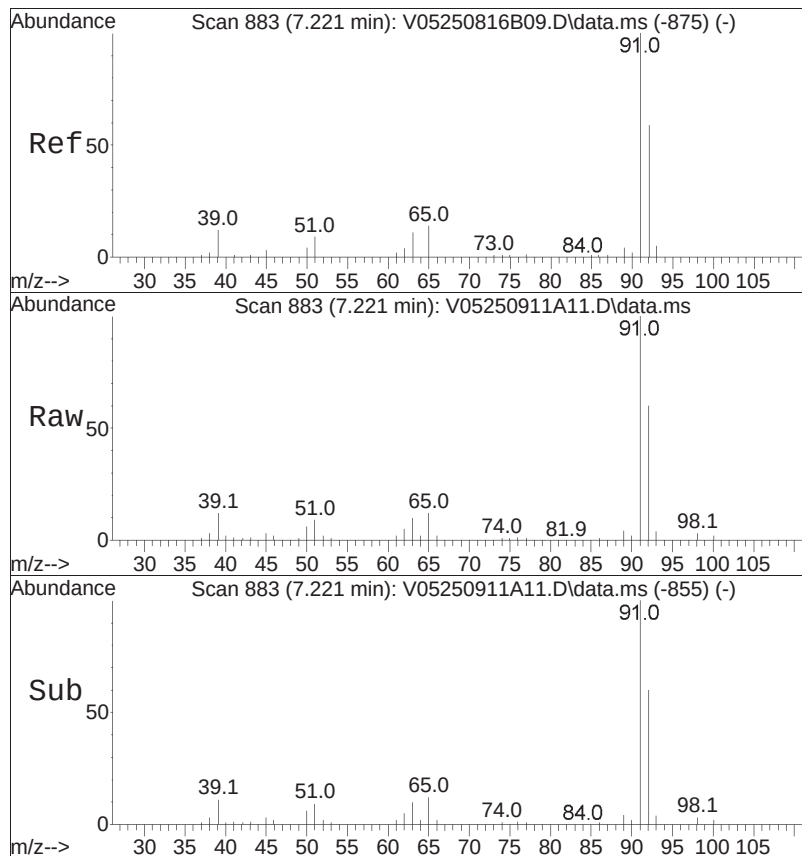




#58
 cis-1,3-Dichloropropene
 Concen: 7.68 ug/L
 RT: 6.974 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

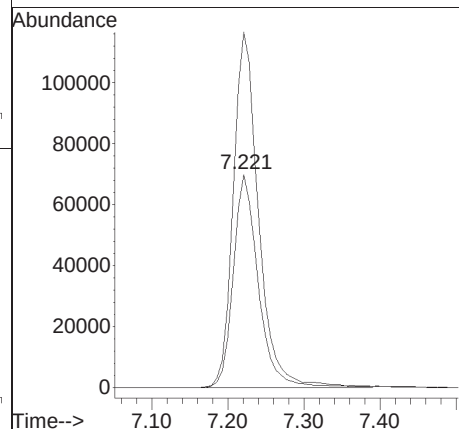
Tgt Ion:	75	Resp:	83769
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.4	38.0
39	57.3	43.3	64.9

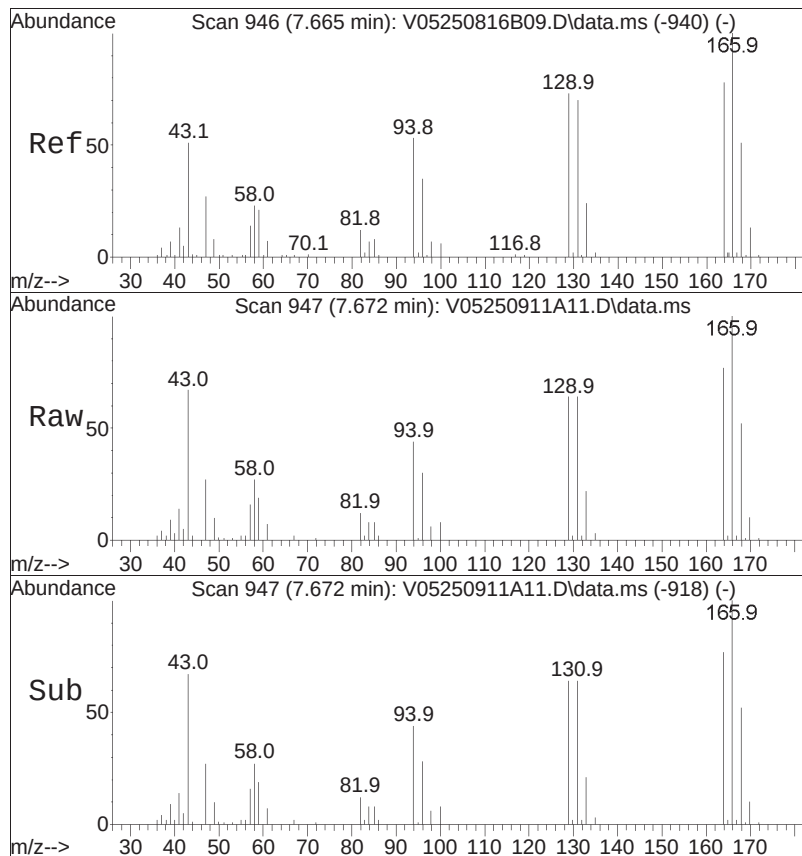




#61
Toluene
Concen: 9.24 ug/L
RT: 7.221 min Scan# 883
Delta R.T. -0.000 min
Lab File: V05250911A11.D
Acq: 11 Sep 2025 11:32 am

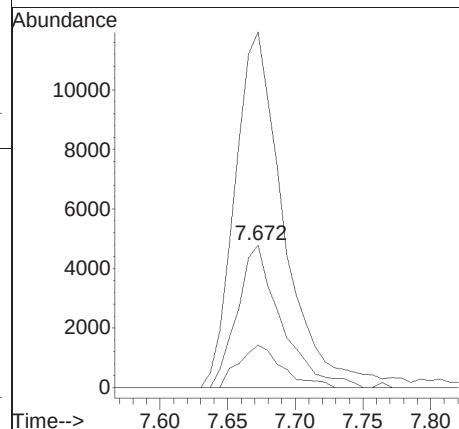
Tgt	Ion	Resp	Lower	Upper
92	100			
91	168.9	159082	136.2	204.2

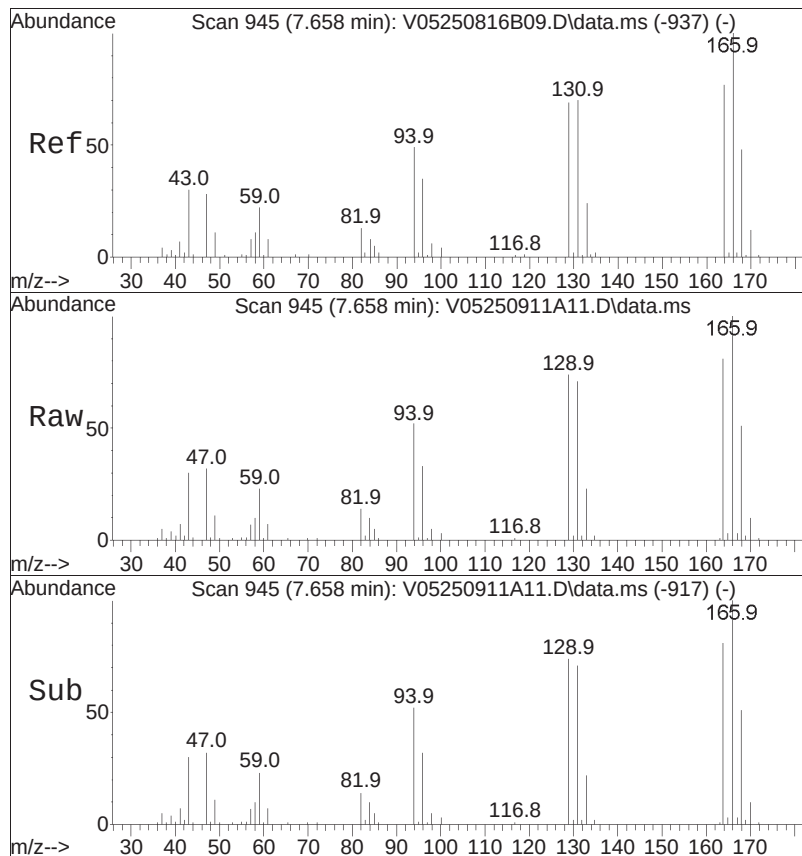




#62
 4-Methyl-2-pentanone
 Concen: 6.34 ug/L
 RT: 7.672 min Scan# 947
 Delta R.T. 0.007 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

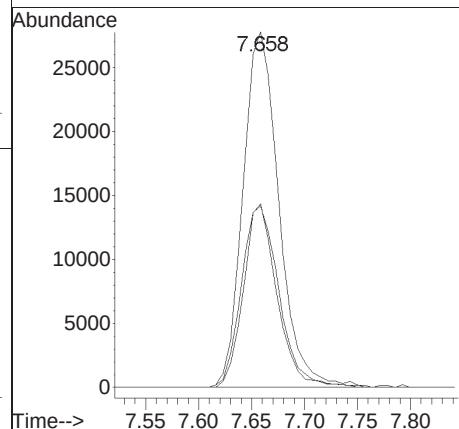
Tgt Ion:	58	Resp:	10818
Ion Ratio	Lower	Upper	
58	100		
100	29.6	24.1	36.1
43	279.8	206.5	309.7

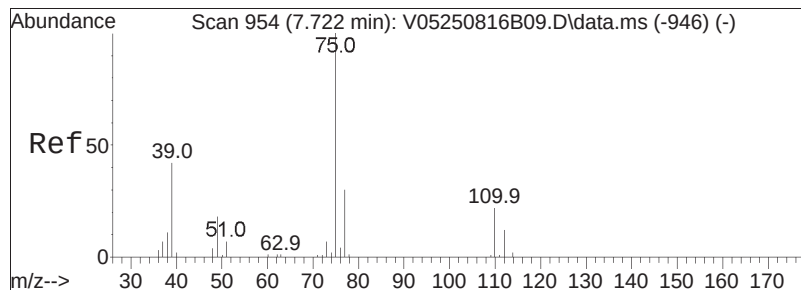




#63
Tetrachloroethene
Concen: 8.75 ug/L
RT: 7.658 min Scan# 945
Delta R.T. 0.000 min
Lab File: V05250911A11.D
Acq: 11 Sep 2025 11:32 am

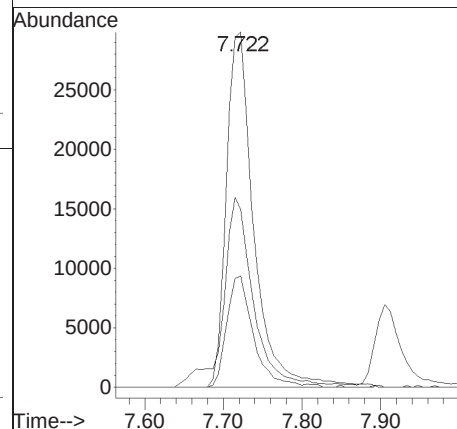
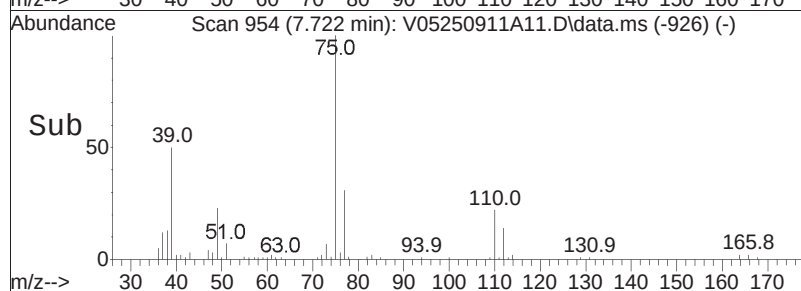
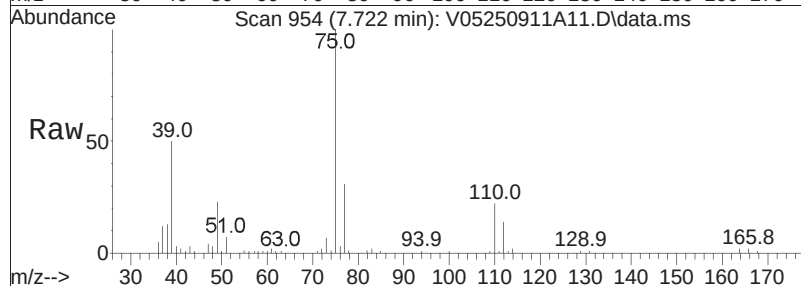
Tgt	Ion:166	Resp:	65596
Ion	Ratio	Lower	Upper
166	100		
168	50.7	29.5	69.5
94	51.0	33.5	73.5

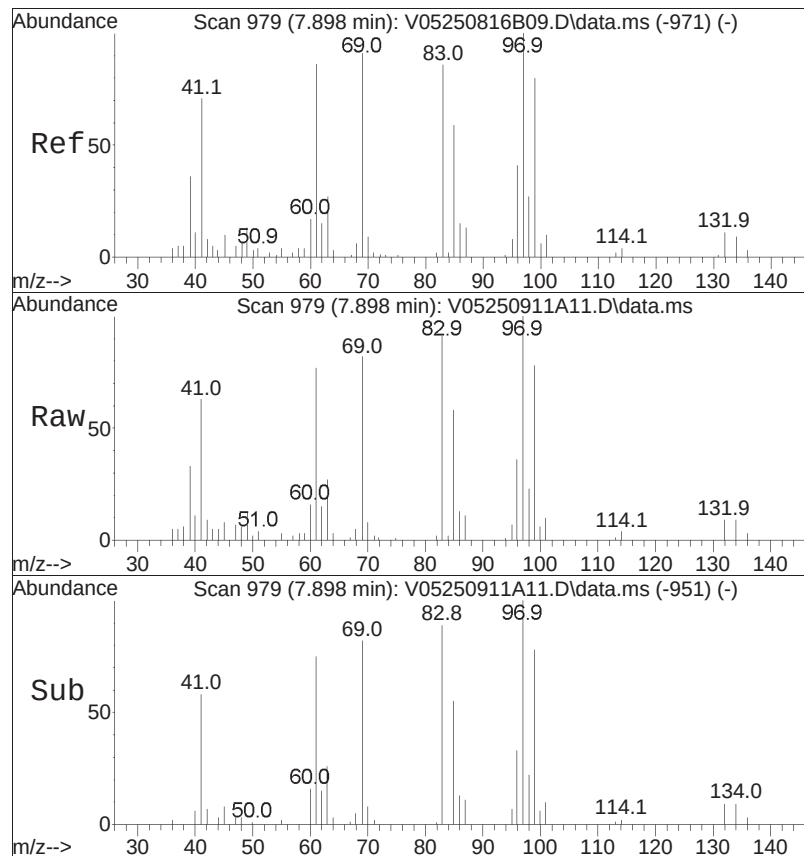




#65
 trans-1,3-Dichloropropene
 Concen: 7.36 ug/L
 RT: 7.722 min Scan# 954
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

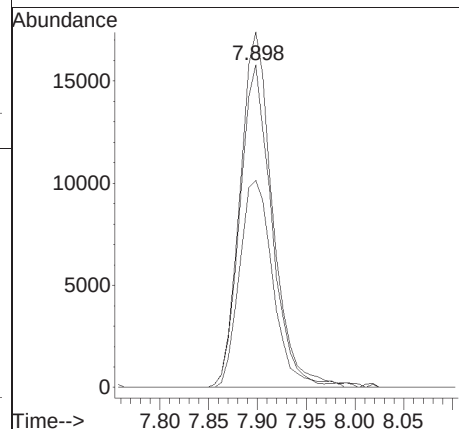
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	11.6	51.6
39	58.2	33.1	73.1

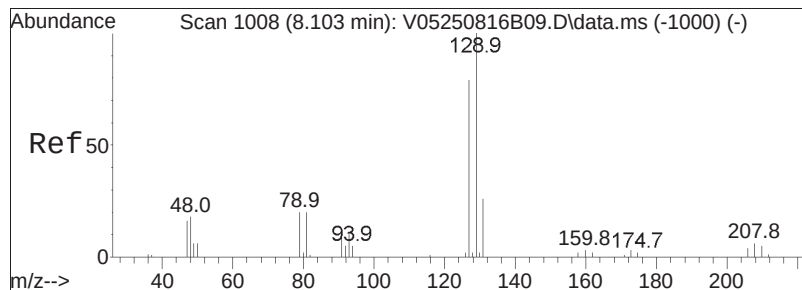




#68
 1,1,2-Trichloroethane
 Concen: 8.82 ug/L
 RT: 7.898 min Scan# 979
 Delta R.T. 0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

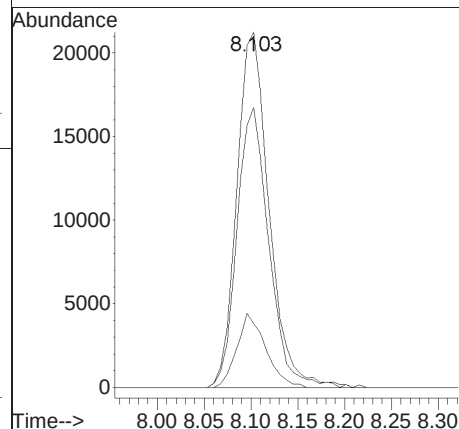
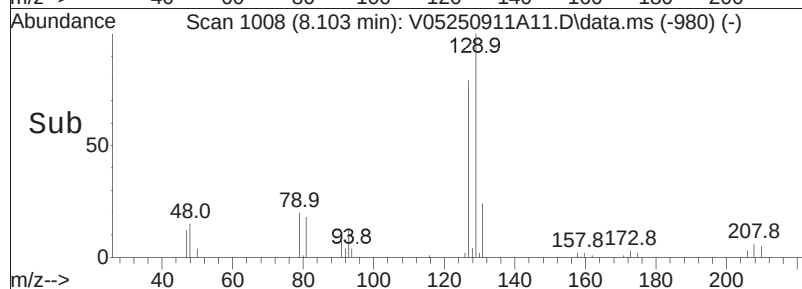
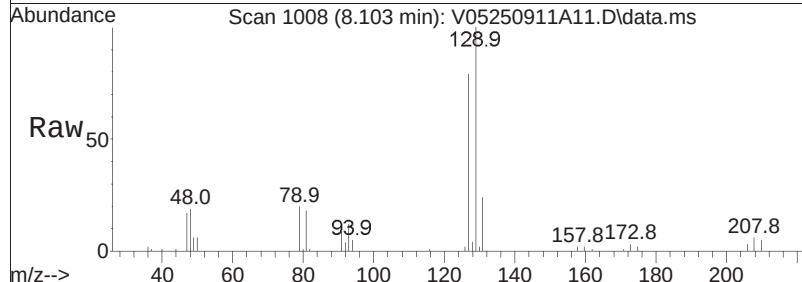
Tgt Ion:	83	Resp:	36198
Ion Ratio	Lower	Upper	
83	100		
97	112.2	98.4	138.4
85	67.2	45.6	85.6

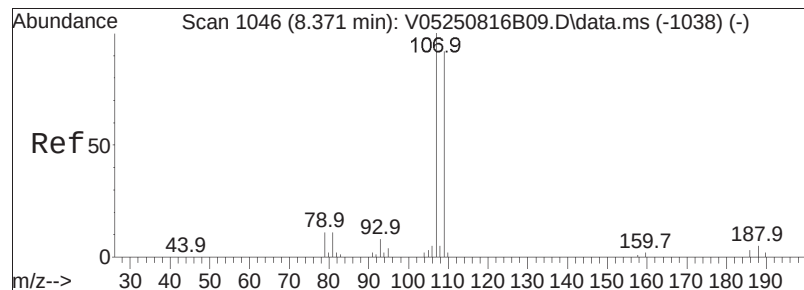




#69
 Chlorodibromomethane
 Concen: 7.89 ug/L
 RT: 8.103 min Scan# 1008
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

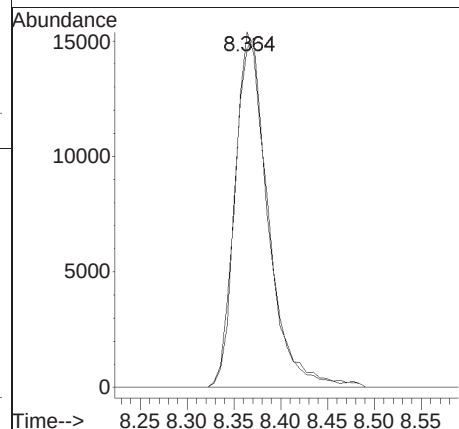
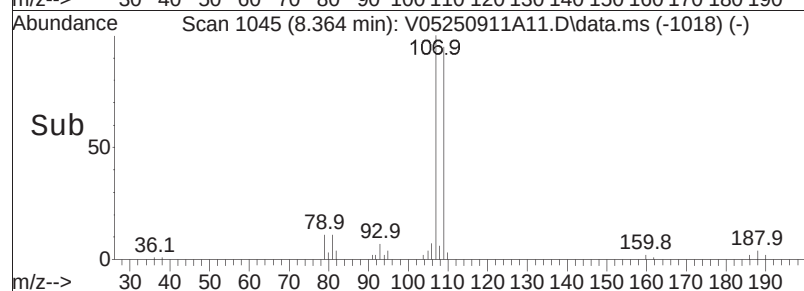
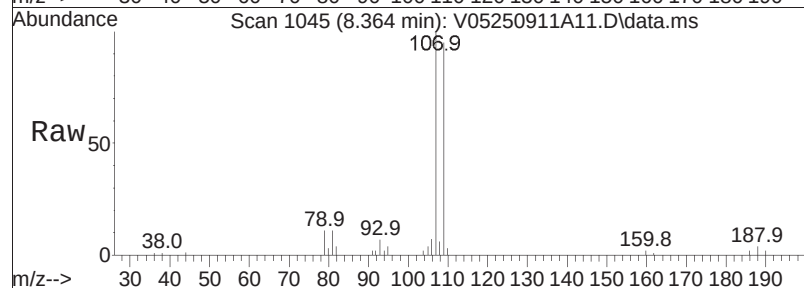
Tgt Ion	Ratio	Lower	Upper
129	100		
81	18.7	0.0	39.3
127	78.0	56.6	96.6

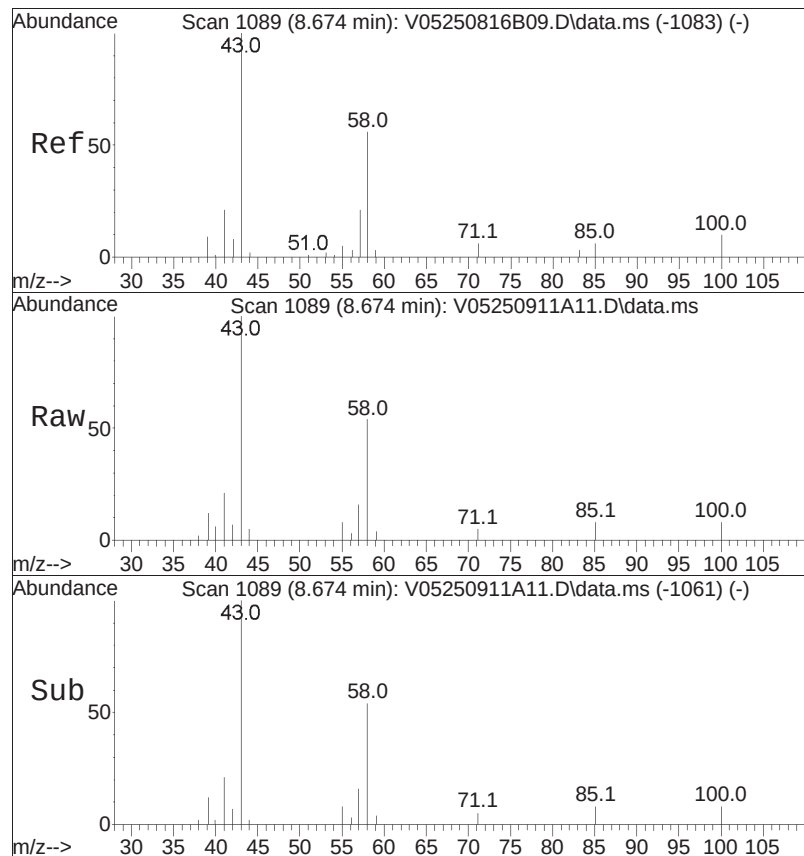




#71
 1,2-Dibromoethane
 Concen: 8.15 ug/L
 RT: 8.364 min Scan# 1045
 Delta R.T. -0.007 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

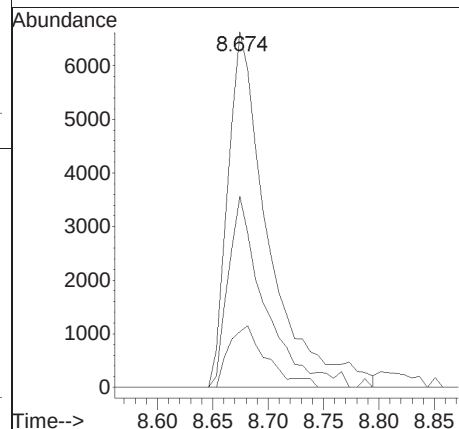
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.2	112.8

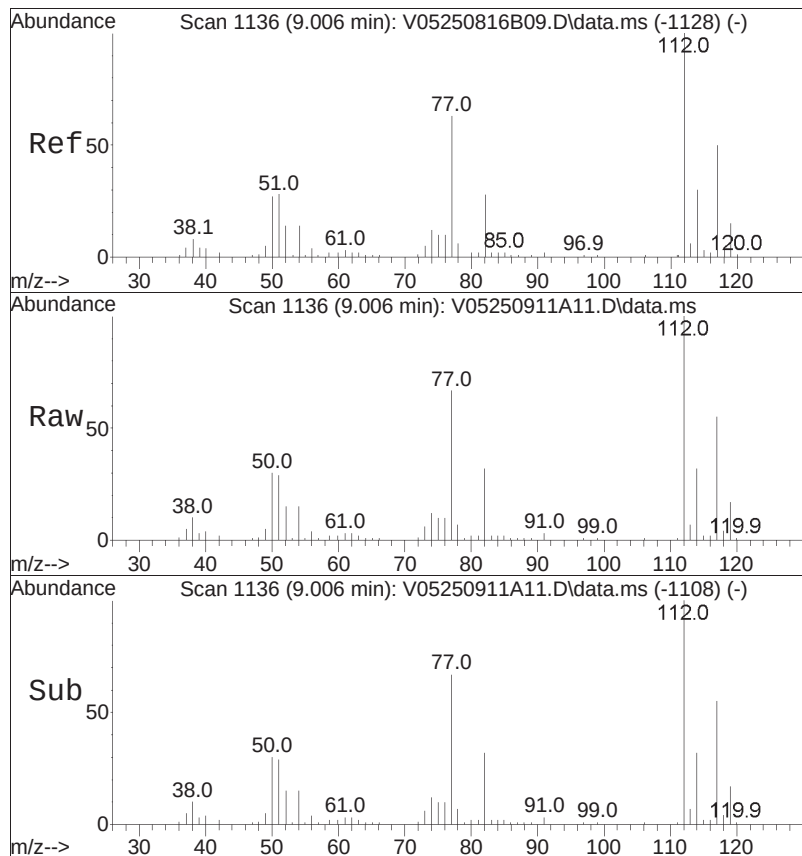




#72
 2-Hexanone
 Concen: 6.43 ug/L
 RT: 8.674 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

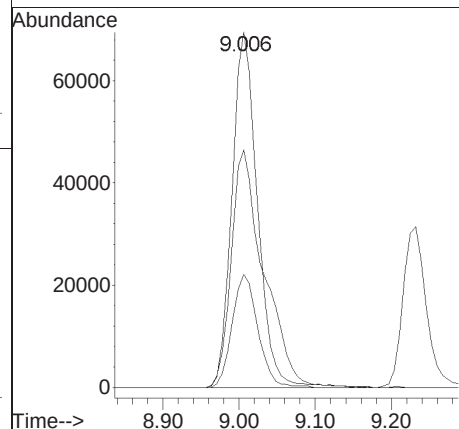
Tgt Ion:	43	58	57	Ratio	100	48.7	16.3	Resp:	16928	Lower	Upper
43	100										
58		48.7			39.7	59.5					
57			16.3		16.3	24.5					

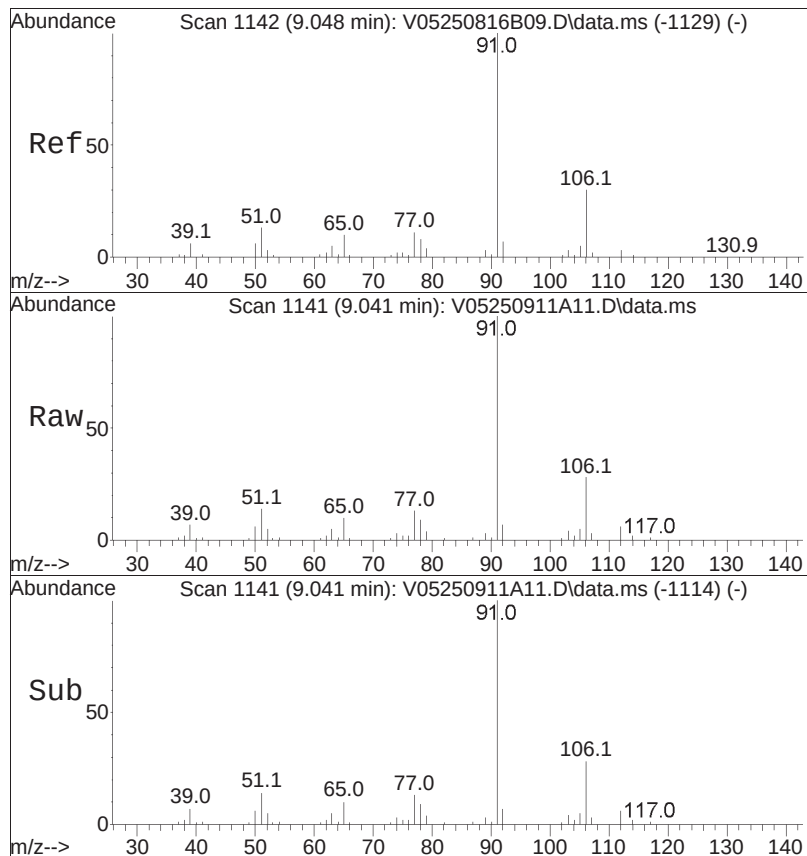




#73
Chlorobenzene
Concen: 8.92 ug/L
RT: 9.006 min Scan# 1136
Delta R.T. -0.000 min
Lab File: V05250911A11.D
Acq: 11 Sep 2025 11:32 am

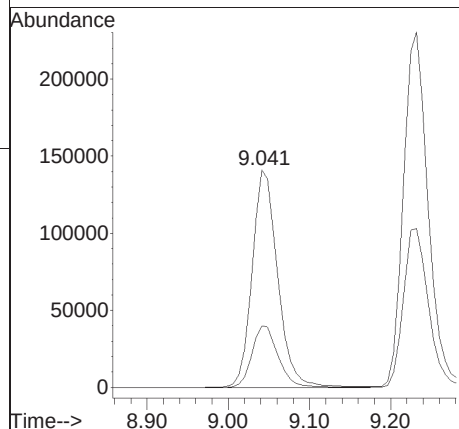
Tgt	Ion	Ratio	Resp	Lower	Upper
112	100		161495		
77	85.4	67.5		101.3	
114	32.1	25.4		38.0	

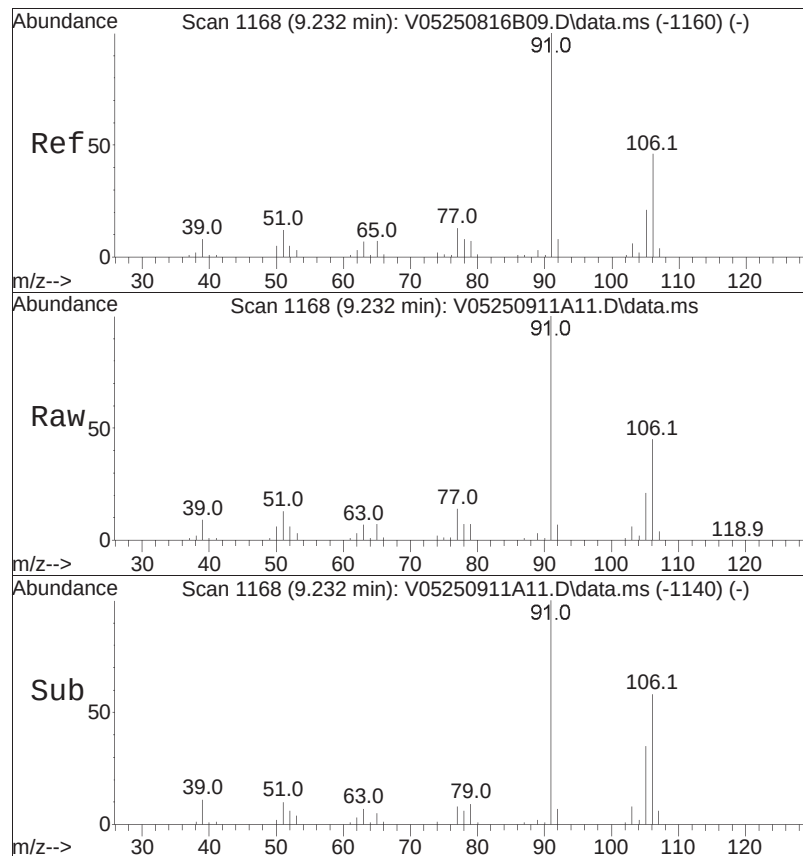




#74
 Ethylbenzene
 Concen: 9.09 ug/L
 RT: 9.041 min Scan# 1141
 Delta R.T. -0.007 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

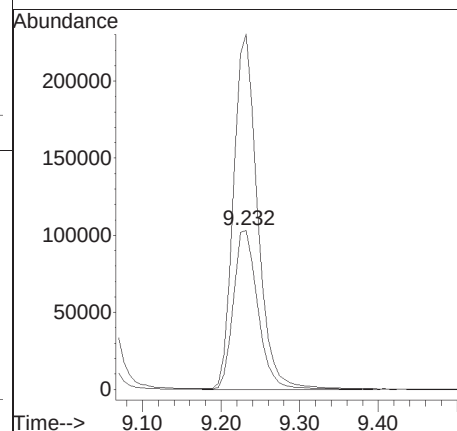
Tgt Ion:	91	106	Ratio	Lower	Upper
91	100				
106	29.0		23.4	35.0	

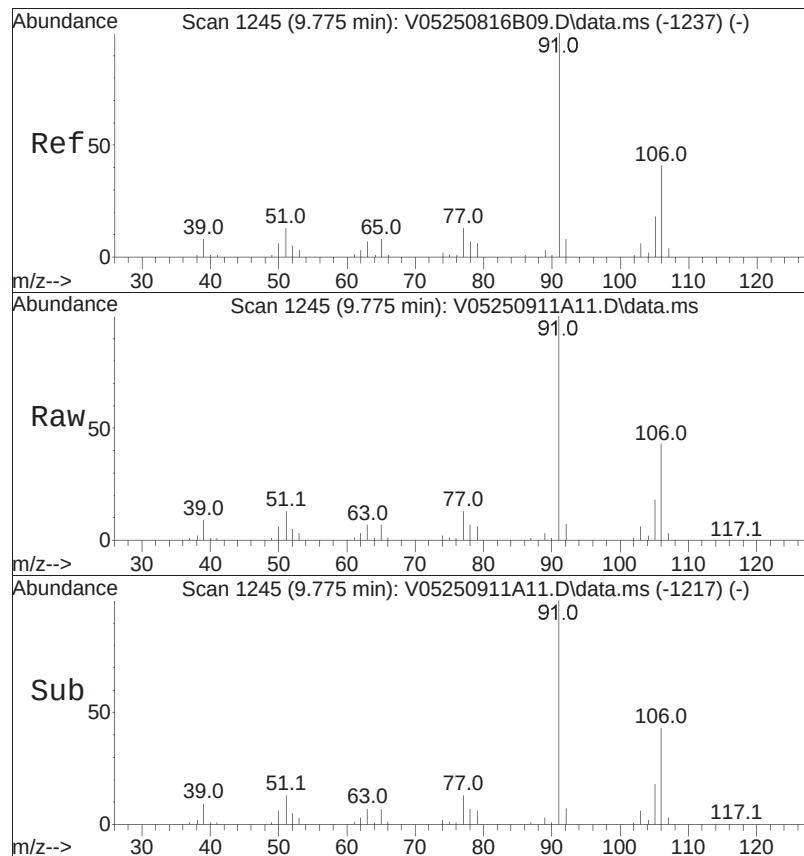




#76
 p/m Xylene
 Concen: 18.69 ug/L
 RT: 9.232 min Scan# 1168
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

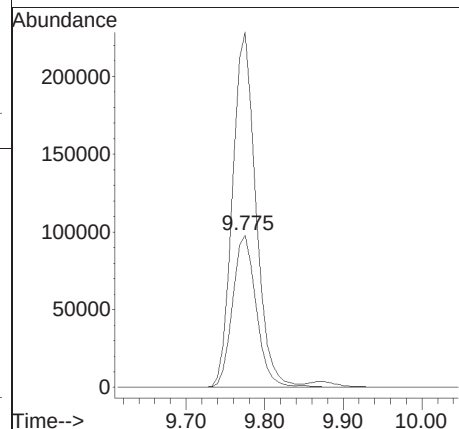
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	217.3	176.3	264.5	

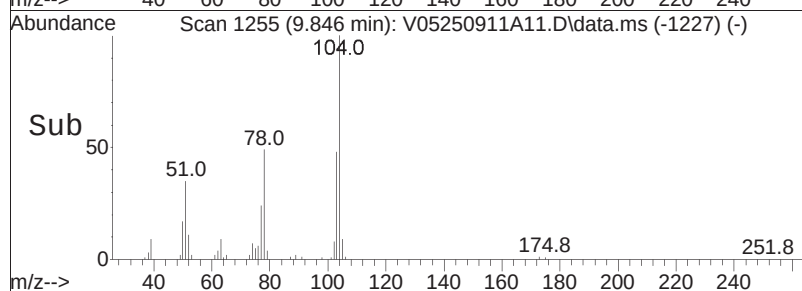
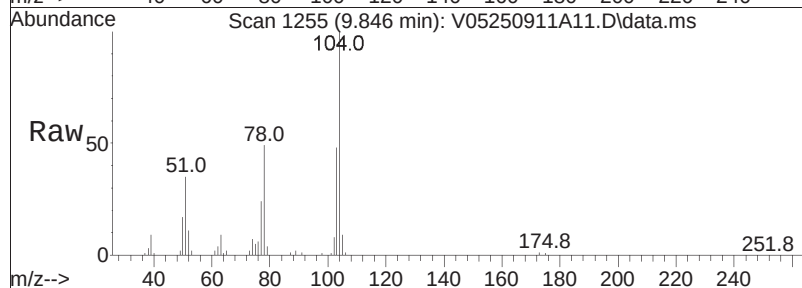
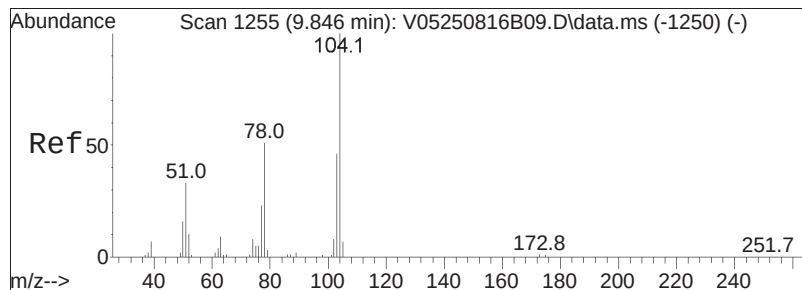




#77
o Xylene
Concen: 18.20 ug/L
RT: 9.775 min Scan# 1245
Delta R.T. 0.000 min
Lab File: V05250911A11.D
Acq: 11 Sep 2025 11:32 am

Tgt	Ion	Ratio	Lower	Upper
106	106	100		
91	228.6	189.3	283.9	





#78

Styrene

Concen: 18.34 ug/L

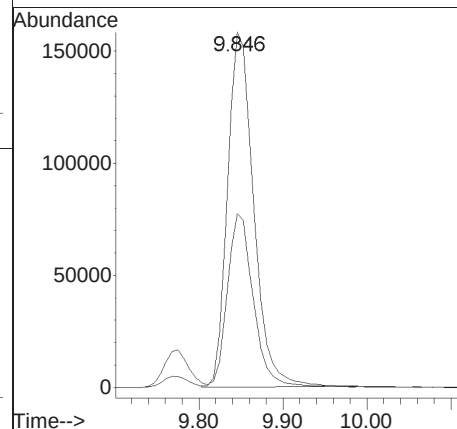
RT: 9.846 min Scan# 1255

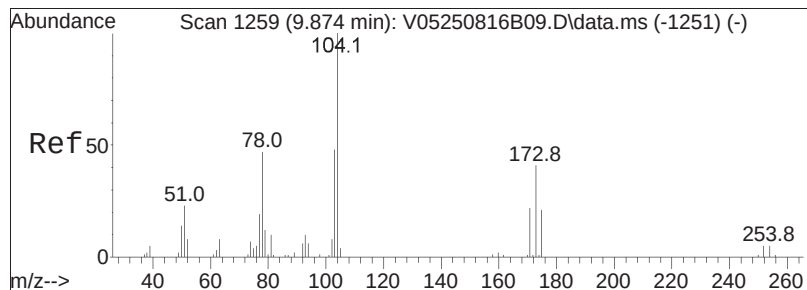
Delta R.T. -0.000 min

Lab File: V05250911A11.D

Acq: 11 Sep 2025 11:32 am

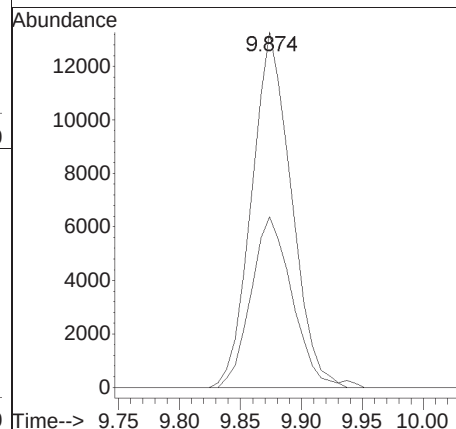
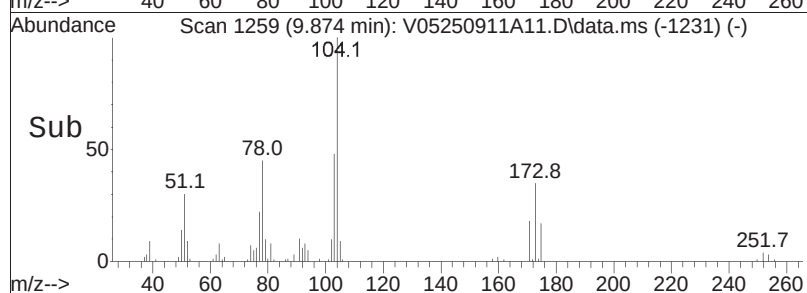
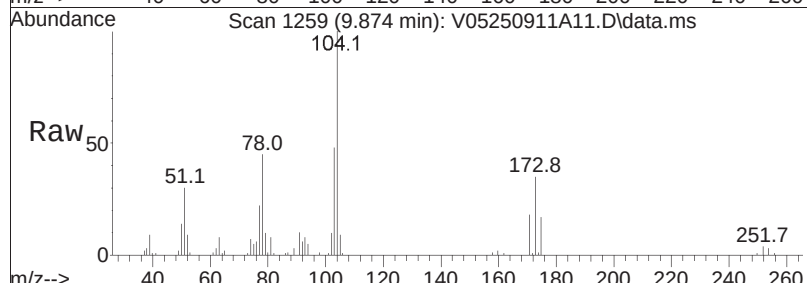
Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	40.6	61.0

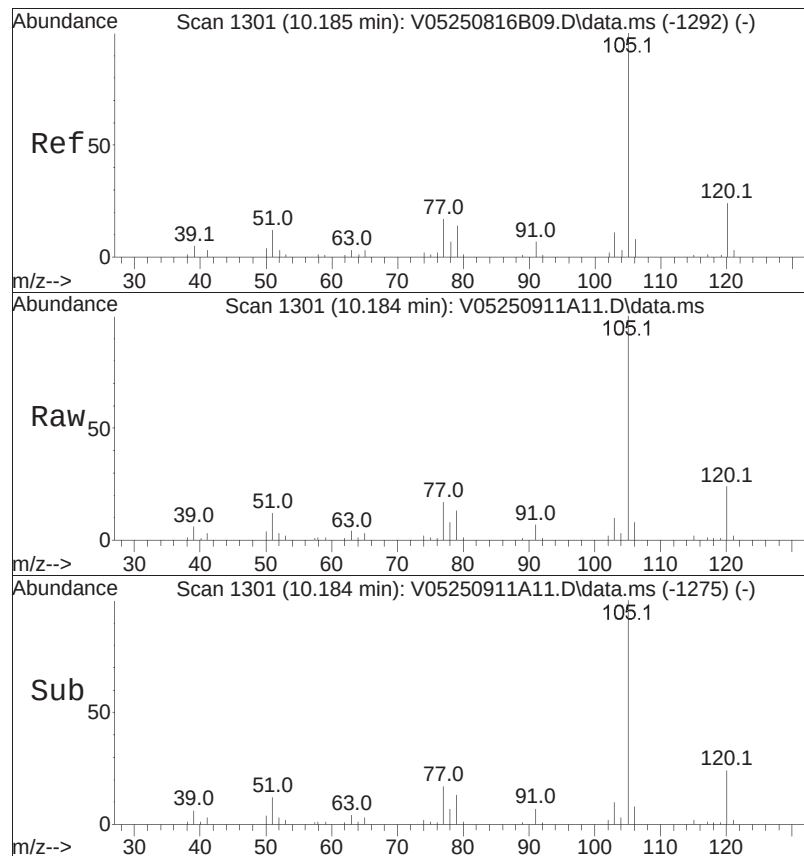




#80
 Bromoform
 Concen: 7.28 ug/L
 RT: 9.874 min Scan# 1259
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

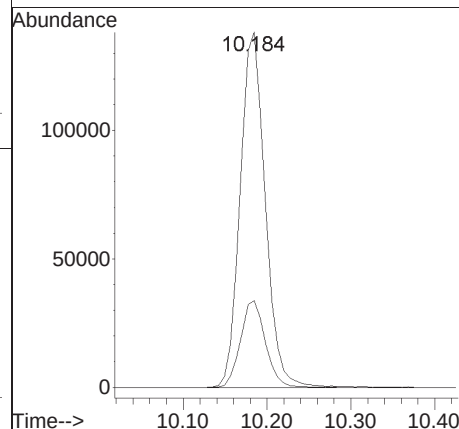
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	28.5	68.5

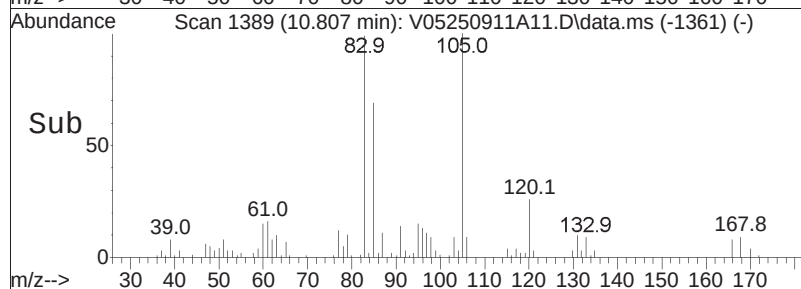
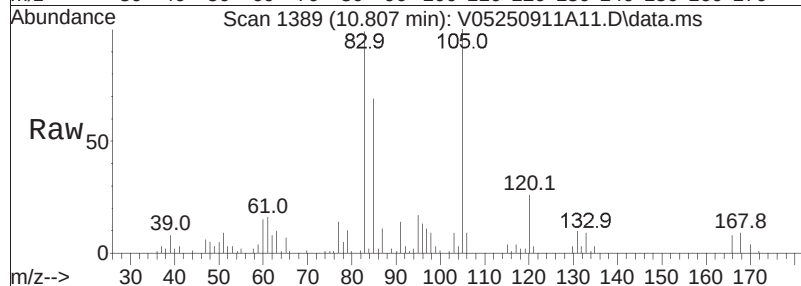
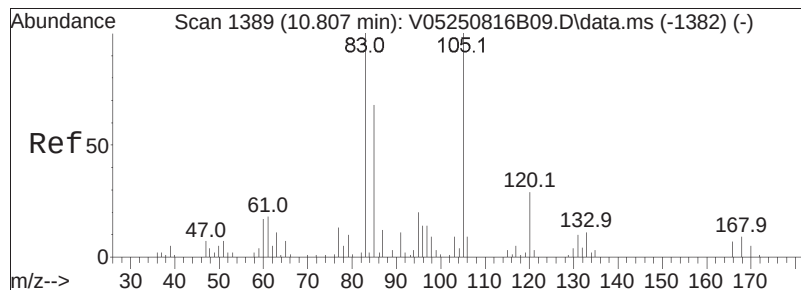




#82
 Isopropylbenzene
 Concen: 8.50 ug/L
 RT: 10.184 min Scan# 1301
 Delta R.T. -0.001 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.3	4.3	44.3





#87

1,1,2,2-Tetrachloroethane

Concen: 8.75 ug/L

RT: 10.807 min Scan# 1389

Delta R.T. -0.000 min

Lab File: V05250911A11.D

Acq: 11 Sep 2025 11:32 am

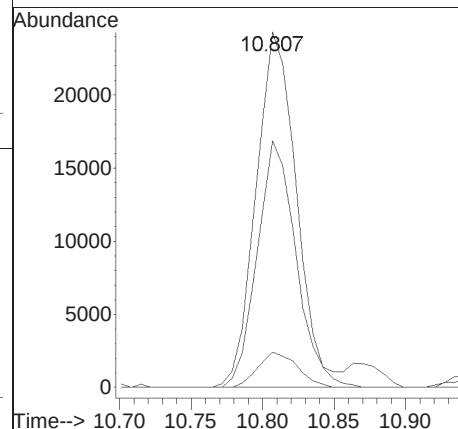
Tgt Ion: 83 Resp: 47555

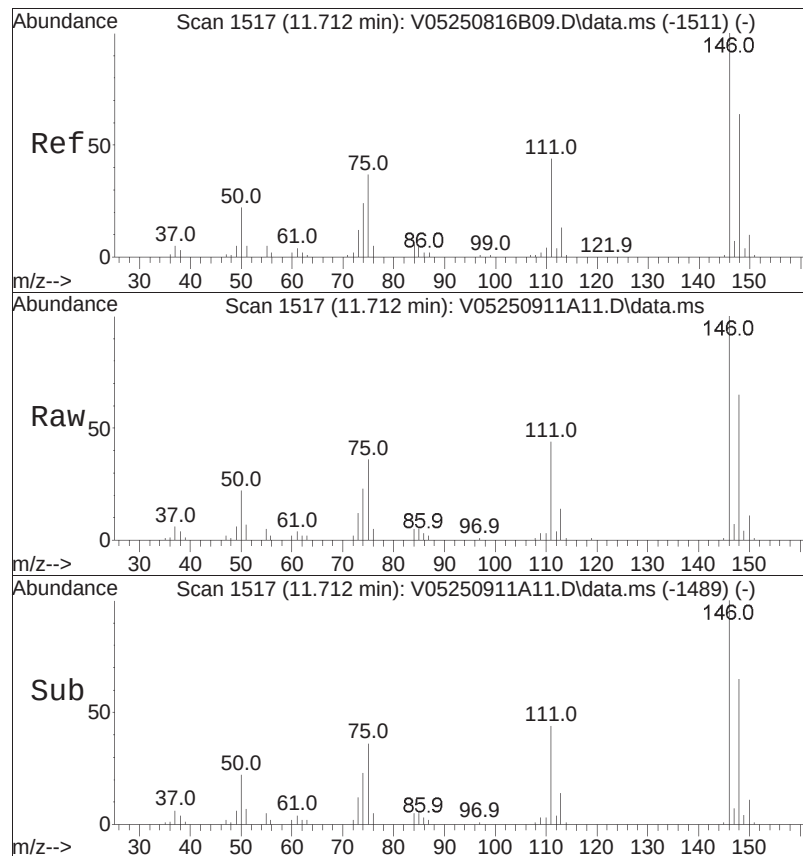
Ion Ratio Lower Upper

83 100

131 9.8 0.0 31.1

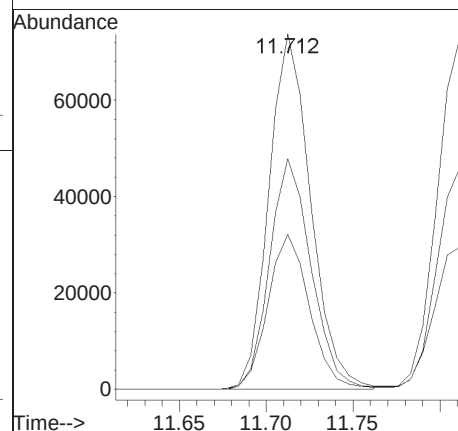
85 67.2 47.7 87.7

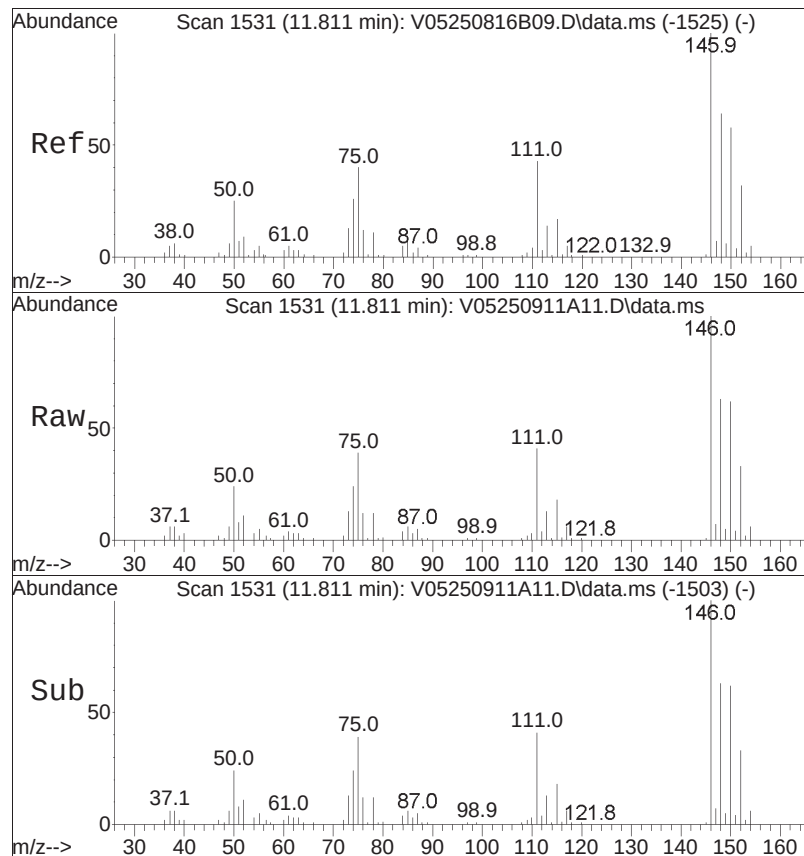




#100
 1,3-Dichlorobenzene
 Concen: 8.53 ug/L
 RT: 11.712 min Scan# 1517
 Delta R.T. 0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

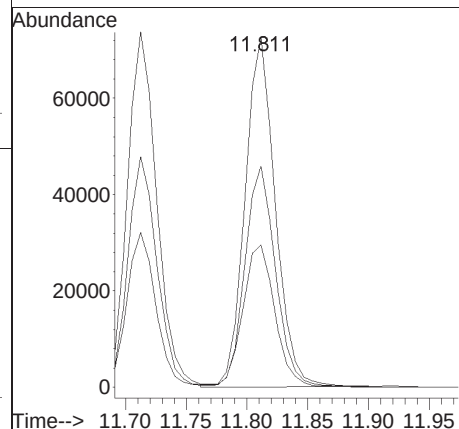
Tgt	Ion	Ratio	Lower	Upper
146	100			
111	43.6	28.1	58.5	
148	64.8	41.5	86.1	

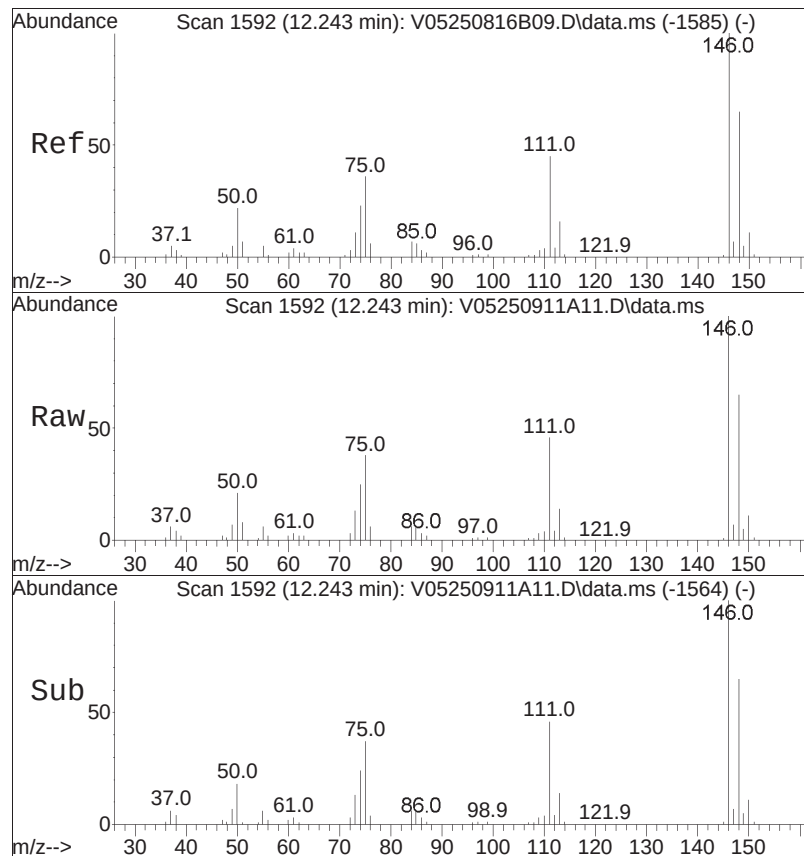




#101
 1,4-Dichlorobenzene
 Concen: 8.53 ug/L
 RT: 11.811 min Scan# 1531
 Delta R.T. 0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

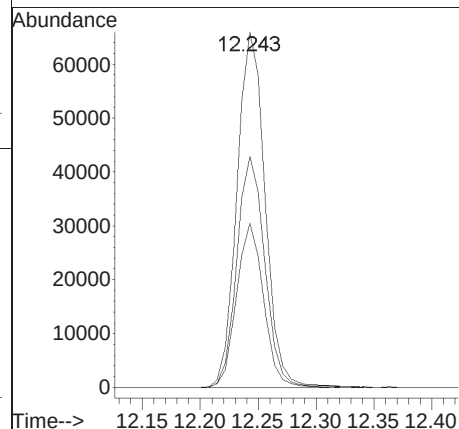
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	34.9	52.3
148	64.5	51.5	77.3

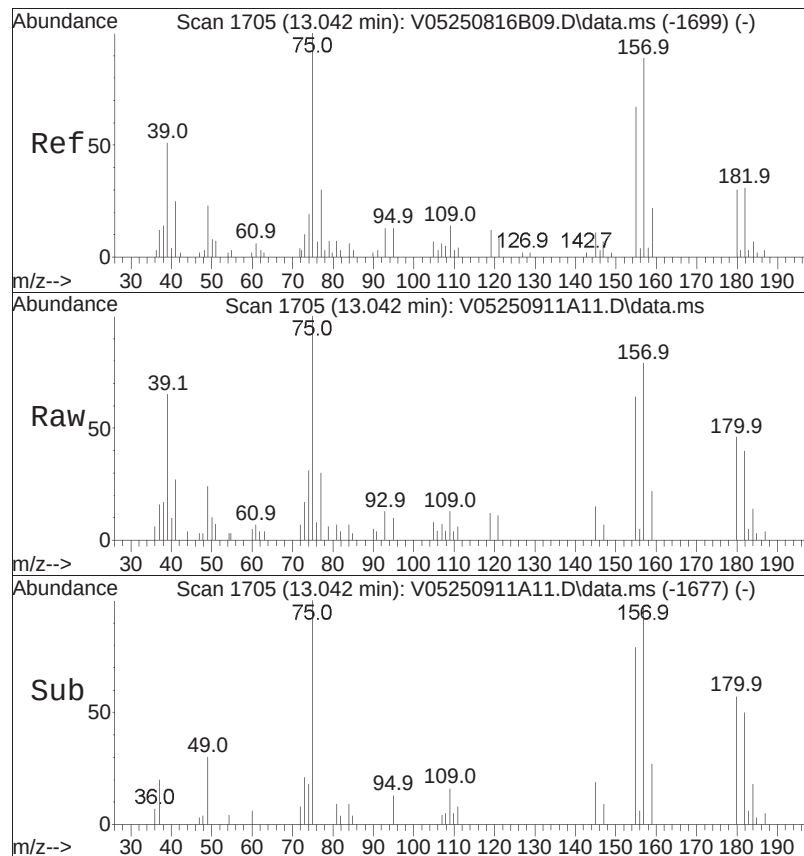




#104
 1,2-Dichlorobenzene
 Concen: 8.54 ug/L
 RT: 12.243 min Scan# 1592
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

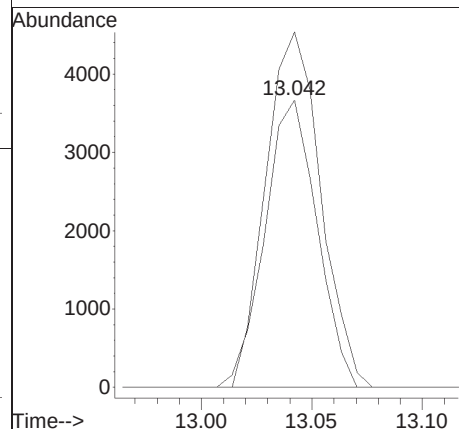
Tgt Ion:	146	Resp:	111552
Ion Ratio	Lower	Upper	
146	100		
111	44.4	29.4	61.0
148	64.7	41.0	85.2

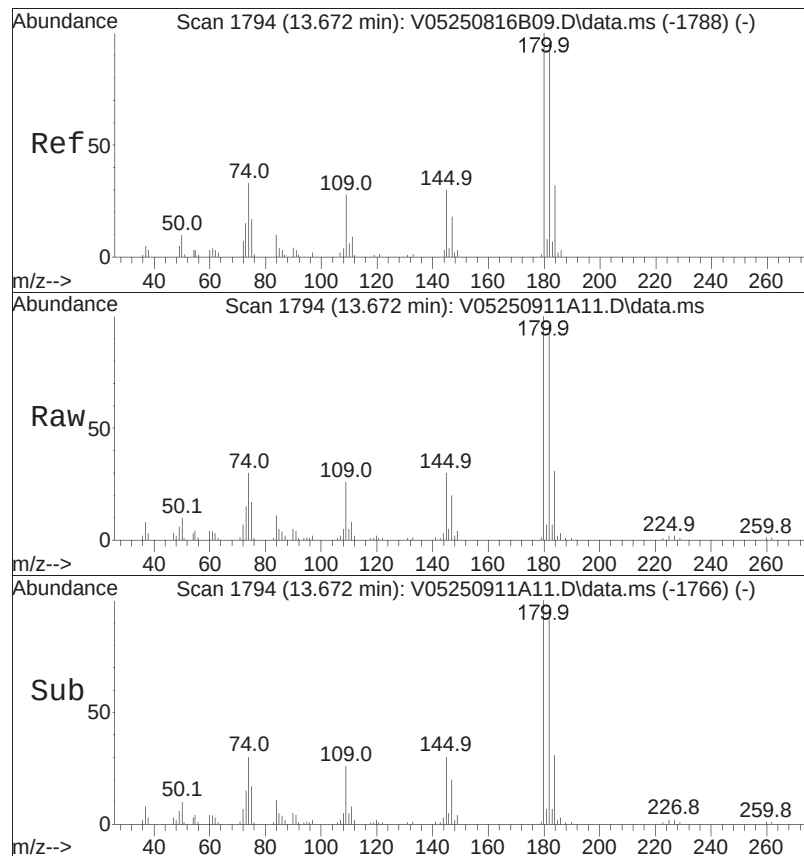




#106
 1,2-Dibromo-3-chloropropane
 Concen: 6.53 ug/L
 RT: 13.042 min Scan# 1705
 Delta R.T. 0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

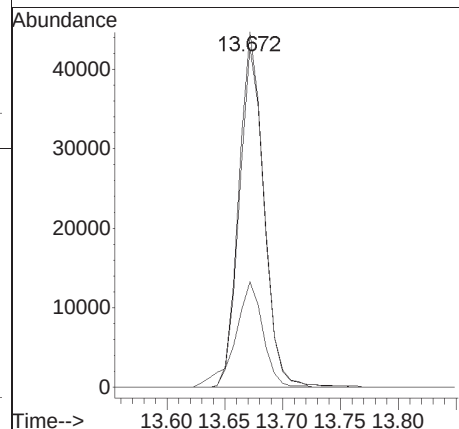
Tgt Ion	Ratio	Lower	Upper
155	100		
157	130.6	106.2	159.4

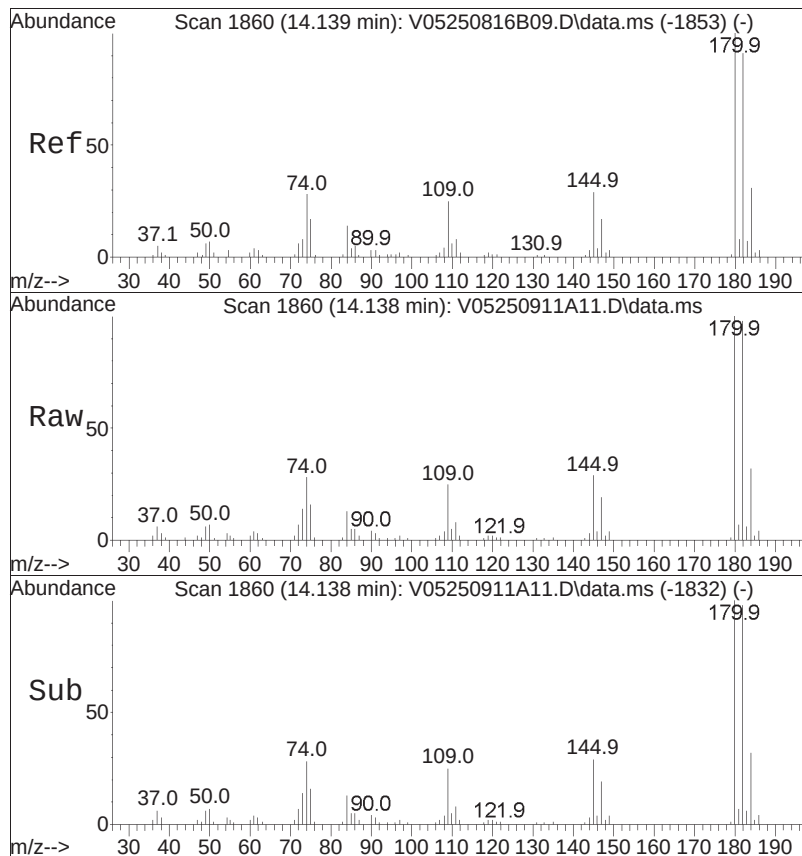




#109
 1,2,4-Trichlorobenzene
 Concen: 7.50 ug/L
 RT: 13.672 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

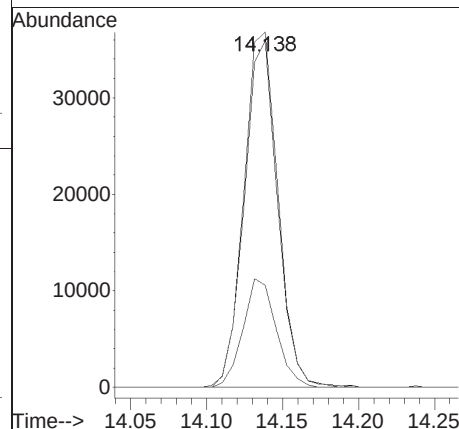
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.9	113.9
145	32.9	26.4	39.6





#111
 1,2,3-Trichlorobenzene
 Concen: 7.41 ug/L
 RT: 14.138 min Scan# 1860
 Delta R.T. -0.001 min
 Lab File: V05250911A11.D
 Acq: 11 Sep 2025 11:32 am

Tgt	Ion	Ratio	Lower	Upper
180	100			
182	95.4	74.3	111.5	
145	30.0	23.8	35.8	



Manual Integration Report

Data Path	: K:\V0A105\2025\250911A\	QMethod	: V105_250816B_8260.m
Data File	: V05250911A11.D	Operator	: V0A105:mjv
Date Inj'd	: 9/11/2025 11:32 am	Instrument	: V0A105
Sample	: WG2113542-6,31,10,10,,A1	Quant Date	: 9/11/2025 1:58 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A12.D
 Acq On : 11 Sep 2025 11:58 am
 Operator : VOA105:mjv
 Sample : WG2113542-7,31,10,10,,A2 (Sig #1); L2555605-02MSD,31,10,10,,A2 (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 13:58:33 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.513	96	294348	10.000	ug/L	0.00
Standard Area 1 = 298590			Recovery =	98.58%		
59) Chlorobenzene-d5	8.985	117	212750	10.000	ug/L	0.00
Standard Area 1 = 215521			Recovery =	98.71%		
79) 1,4-Dichlorobenzene-d4	11.797	152	121504	10.000	ug/L	0.00
Standard Area 1 = 125132			Recovery =	97.10%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.732	113	82395	9.834	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery =	98.34%		
43) 1,2-Dichloroethane-d4	5.238	65	114243	9.527	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery =	95.27%		
60) Toluene-d8	7.164	98	287062	10.170	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery =	101.70%		
83) 4-Bromofluorobenzene	10.531	95	111750	10.119	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery =	101.19%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.431	85	93322	9.643	ug/L	99
3) Chloromethane	1.595	50	113951	14.583	ug/L	97
4) Vinyl chloride	1.657	62	139714	15.567	ug/L	99
5) Bromomethane	1.925	94	37932	9.705	ug/L	100
6) Chloroethane	2.021	64	77041	14.796	ug/L	99
7) Trichlorofluoromethane	2.144	101	168177	11.711	ug/L	98
10) 1,1-Dichloroethene	2.591	96	85014	13.779	ug/L	99
11) Carbon disulfide	2.618	76	302756	14.436	ug/L	99
12) Freon-113	2.625	101	82028	12.366	ug/L	# 70
15) Methylene chloride	3.112	84	86474	11.936	ug/L	98
17) Acetone	3.174	43	13654	9.963	ug/L	99
18) trans-1,2-Dichloroethene	3.250	96	85687	12.135	ug/L	91
19) Methyl acetate	3.277	43	33051	9.819	ug/L	100
20) Methyl tert-butyl ether	3.346	73	164097	9.177	ug/L	95
23) 1,1-Dichloroethane	3.806	63	192934	11.742	ug/L	99
28) cis-1,2-Dichloroethene	4.307	96	90352	11.584	ug/L	91
30) Bromochloromethane	4.492	128	37257	11.609	ug/L	96
31) Cyclohexane	4.471	56	178139	11.226	ug/L	99
32) Chloroform	4.561	83	169061	11.209	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A12.D
 Acq On : 11 Sep 2025 11:58 am
 Operator : VOA105:mjv
 Sample : WG2113542-7,31,10,10,,A2 (Sig #1); L2555605-02MSD,31,10,10,,A2 (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 13:58:33 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34)	Carbon tetrachloride	4.677	117	133640	10.405	ug/L	97
37)	1,1,1-Trichloroethane	4.739	97	156098	11.073	ug/L	96
39)	2-Butanone	4.856	43	18455	8.964	ug/L	93
41)	Benzene	5.097	78	366862	12.297	ug/L	98
44)	1,2-Dichloroethane	5.309	62	120912	10.131	ug/L	99
47)	Methyl cyclohexane	5.654	83	116584	9.205	ug/L	93
48)	Trichloroethene	5.683	95	89613	11.130	ug/L	99
51)	1,2-Dichloropropane	6.212	63	91536	10.894	ug/L	96
54)	Bromodichloromethane	6.297	83	115268	10.175	ug/L	98
58)	cis-1,3-Dichloropropene	6.974	75	109607	9.914	ug/L	98
61)	Toluene	7.221	92	202807	11.497	ug/L	99
62)	4-Methyl-2-pentanone	7.672	58	14445	8.262	ug/L	95
63)	Tetrachloroethene	7.658	166	86443	11.252	ug/L	98
65)	trans-1,3-Dichloropropene	7.715	75	94407	9.245	ug/L	97
68)	1,1,2-Trichloroethane	7.898	83	46178	10.986	ug/L	97
69)	Chlorodibromomethane	8.103	129	65057	9.869	ug/L	99
71)	1,2-Dibromoethane	8.364	107	48693	10.184	ug/L	100
72)	2-Hexanone	8.674	43	21654	8.024	ug/L #	97
73)	Chlorobenzene	9.006	112	207127	11.171	ug/L	100
74)	Ethylbenzene	9.041	91	396675	11.385	ug/L	100
76)	p/m Xylene	9.232	106	283406	23.081	ug/L	98
77)	o Xylene	9.775	106	270025	23.254	ug/L	93
78)	Styrene	9.846	104	442993	23.135	ug/L	96
80)	Bromoform	9.874	173	37522	9.200	ug/L	100
82)	Isopropylbenzene	10.184	105	370501	11.118	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.807	83	59103	11.042	ug/L	97
100)	1,3-Dichlorobenzene	11.712	146	157682	11.030	ug/L	98
101)	1,4-Dichlorobenzene	11.811	146	156409	10.773	ug/L	97
104)	1,2-Dichlorobenzene	12.243	146	140435	10.921	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.042	155	7557	8.308	ug/L	95
109)	1,2,4-Trichlorobenzene	13.672	180	86871	9.789	ug/L	98
111)	1,2,3-Trichlorobenzene	14.131	180	74497	9.756	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
 Data File : V05250911A12.D
 Acq On : 11 Sep 2025 11:58 am
 Operator : VOA105:mjv
 Sample : WG2113542-7,31,10,10,,A2 (Sig #1); L2555605-02MSD,31,10,10,,A2 (Sig #2)
 Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 13:58:33 2025
 Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sun Aug 17 13:47:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250911A\V05250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

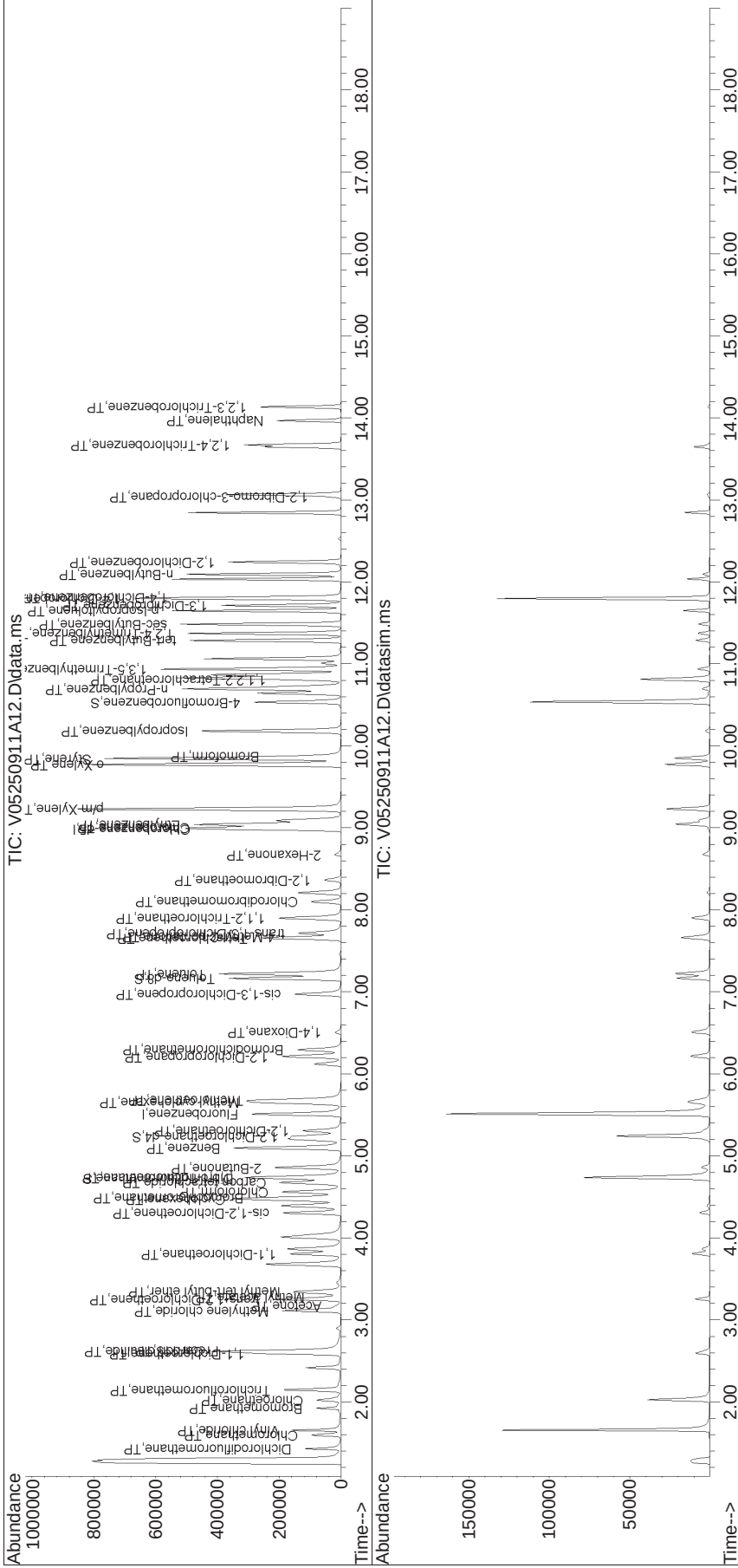
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

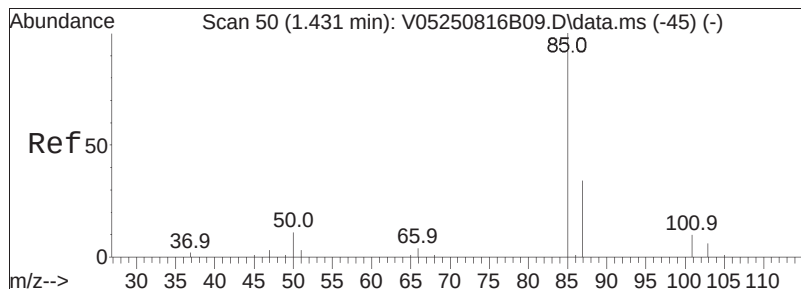
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250911A\
Data File : V05250911A12.D
Acq On : 11 Sep 2025 11:58 am
Operator : VOA105:mjv
Sample : WG2113542-7,31,10,10,,A2 (Sig #1); L2555605-02MSD,31,10,10,,A2 (Sig #2)
Misc : WG2113542,ICAL22558 (Sig #1); WG,ICAL22558 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 13:58:33 2025
Quant Method : K:\VOA105\2025\250911A\V105_250816B_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Sun Aug 17 13:47:41 2025
Response via : Initial Calibration

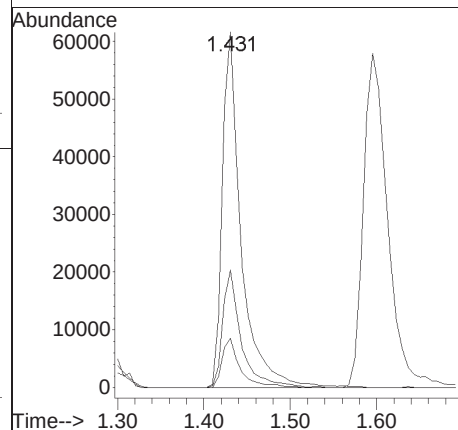
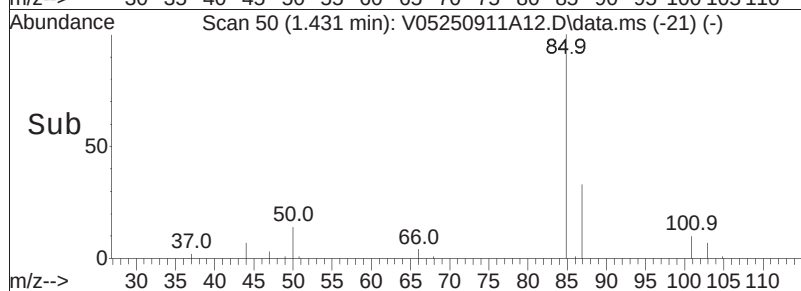
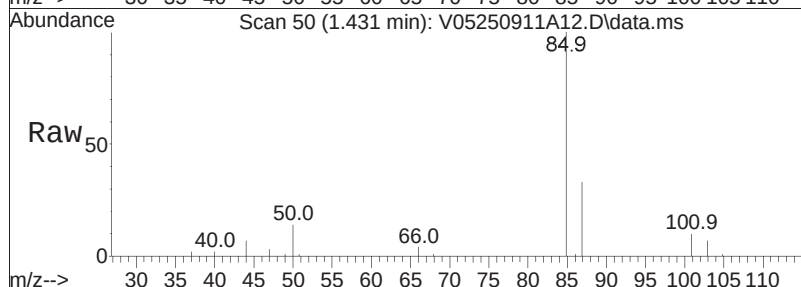
60ALLISTE(s) : 8260KNV05250911A12.D

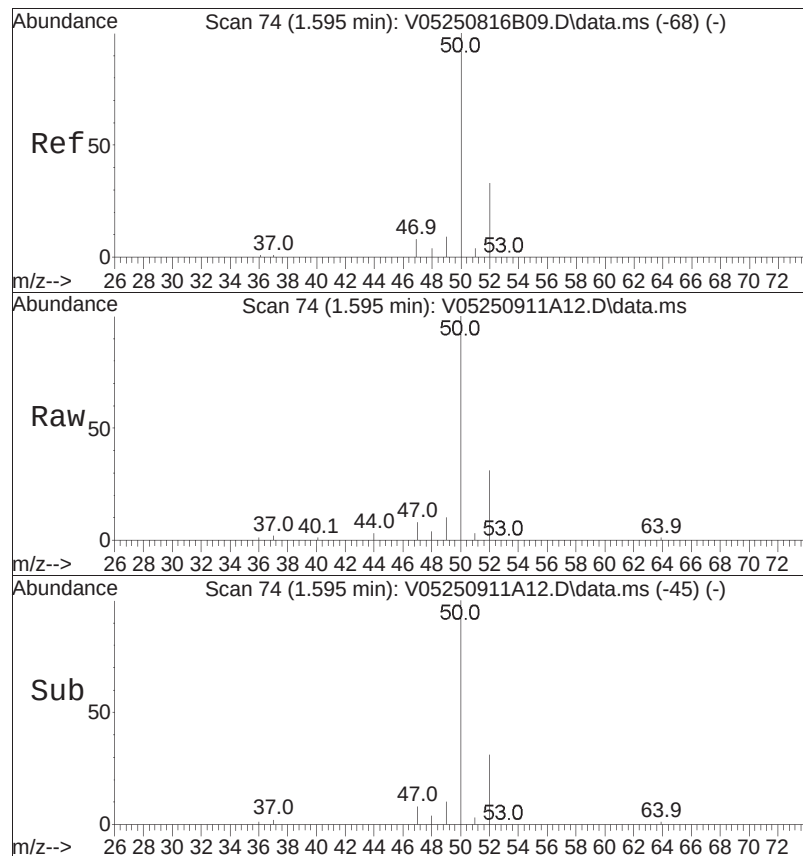




#2
 Dichlorodifluoromethane
 Concen: 9.64 ug/L
 RT: 1.431 min Scan# 50
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

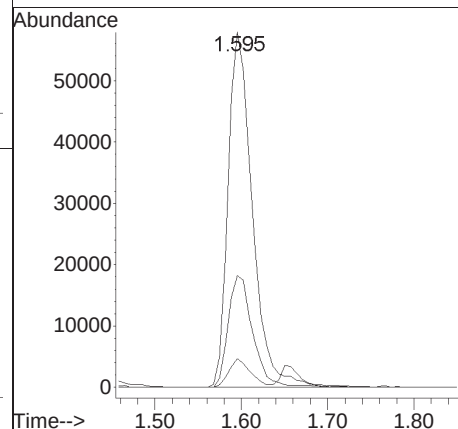
Tgt Ion:	85	Resp:	93322
Ion Ratio	Lower	Upper	
85	100		
87	32.2	21.2	44.0
50	13.2	7.9	16.3

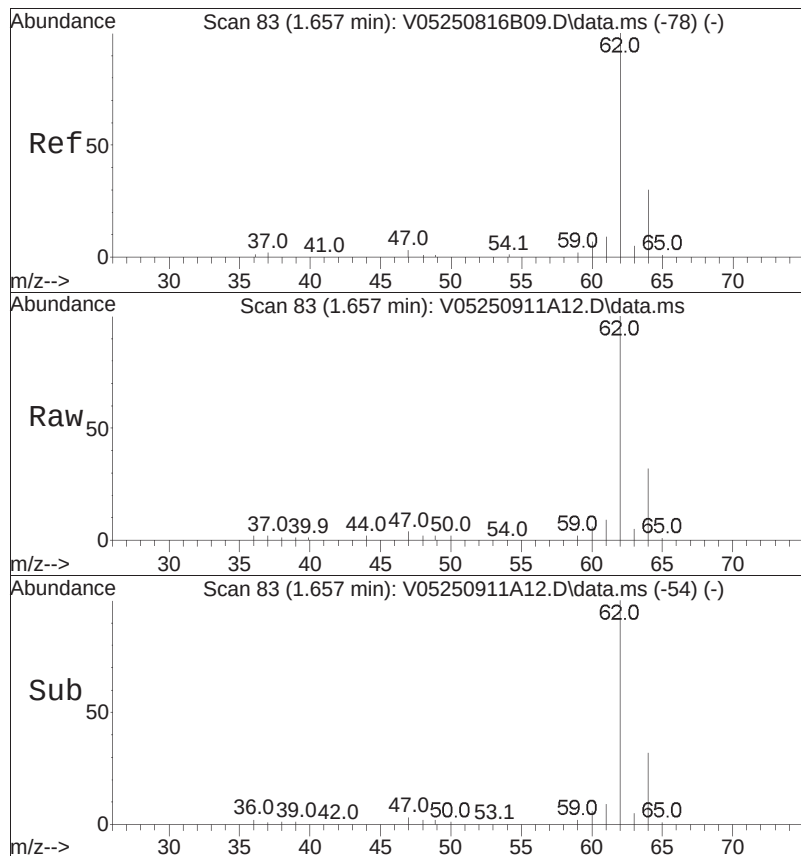




#3
 Chloromethane
 Concen: 14.58 ug/L
 RT: 1.595 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

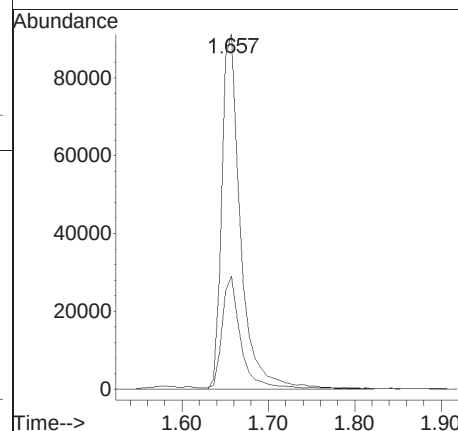
Tgt Ion:	50	Resp:	113951
Ion Ratio	Lower	Upper	
50	100		
52	31.8	13.6	53.6
47	7.2	0.0	27.6

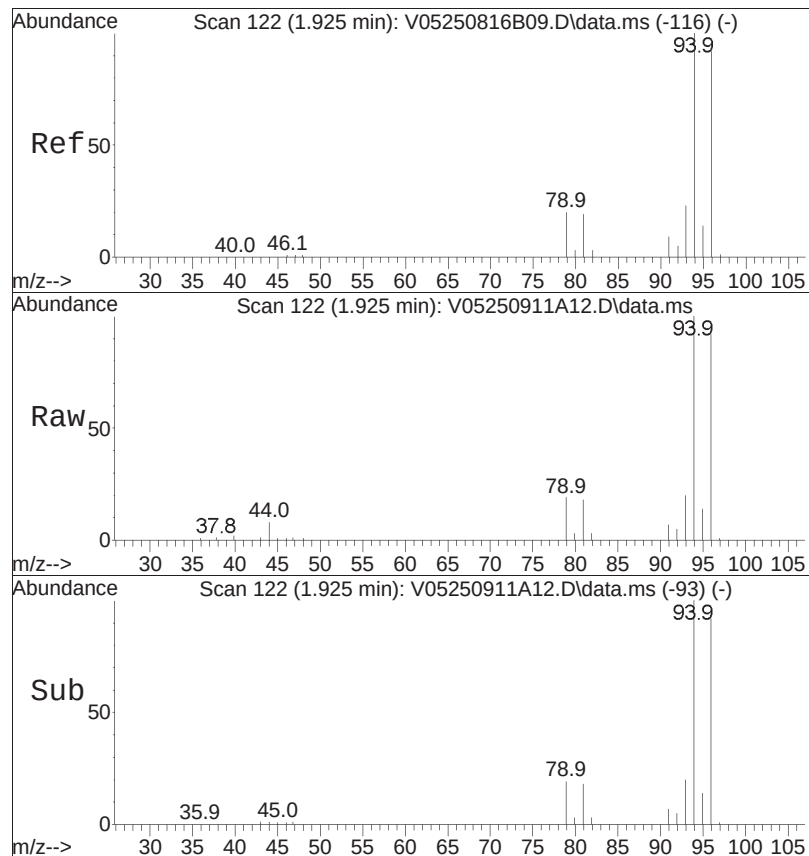




#4
 Vinyl chloride
 Concen: 15.57 ug/L
 RT: 1.657 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

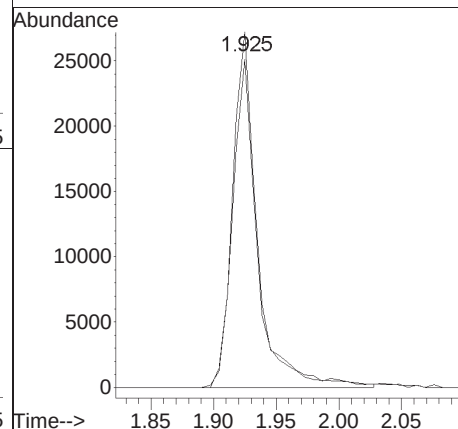
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.3	10.7	50.7

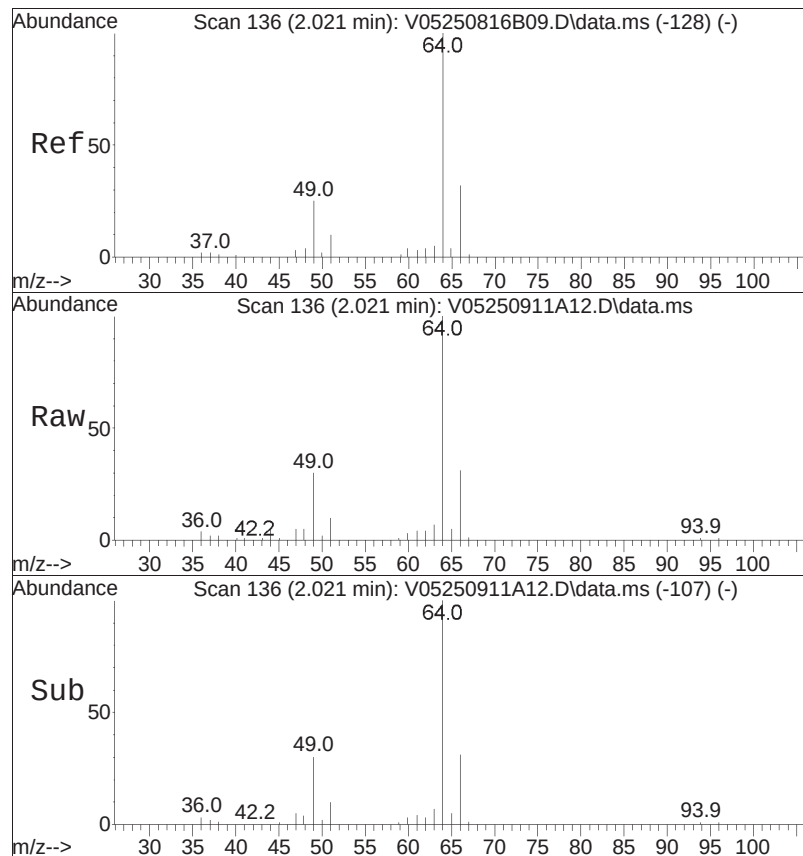




#5
 Bromomethane
 Concen: 9.70 ug/L
 RT: 1.925 min Scan# 122
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

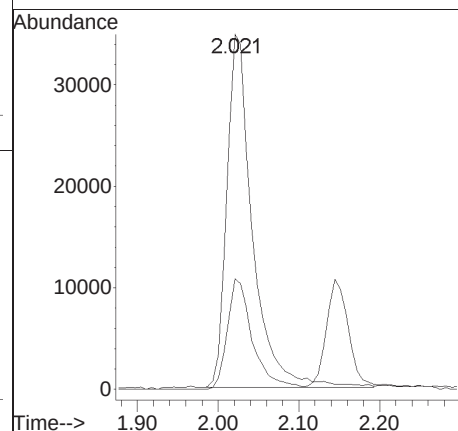
Tgt Ion	Ratio	Lower	Upper
94	100		
96	91.5	71.2	111.2

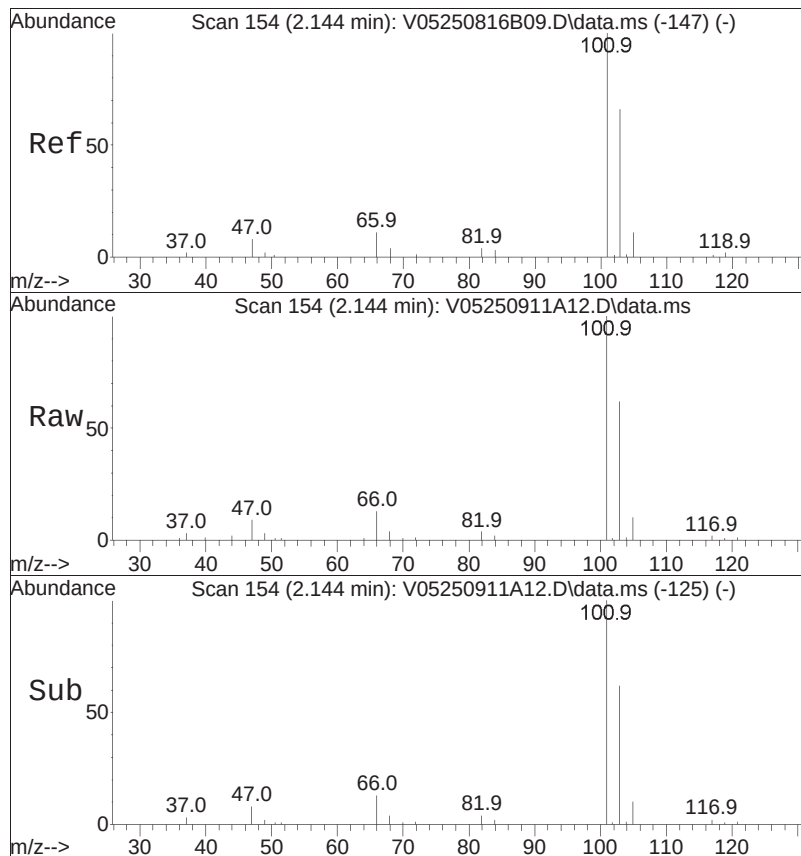




#6
 Chloroethane
 Concen: 14.80 ug/L
 RT: 2.021 min Scan# 136
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

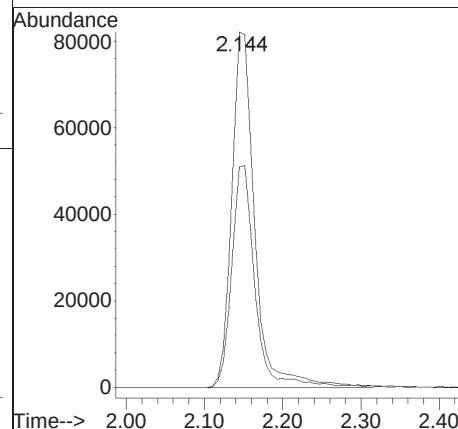
Tgt	Ion	Ratio	Lower	Upper
64	100			
66	30.9	10.1	50.1	

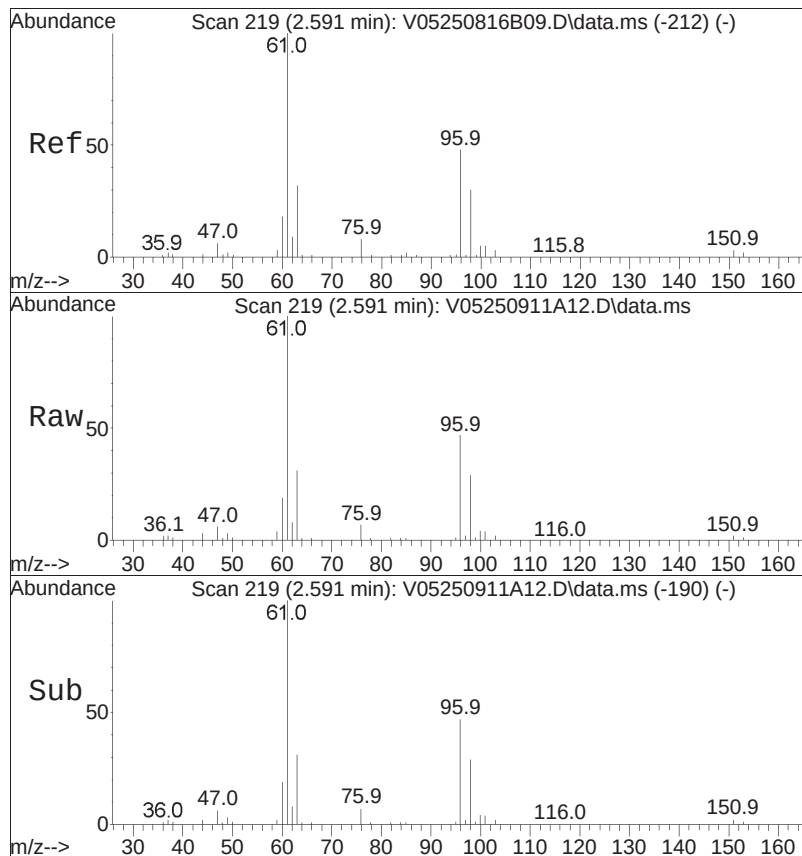




#7
 Trichlorofluoromethane
 Concen: 11.71 ug/L
 RT: 2.144 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

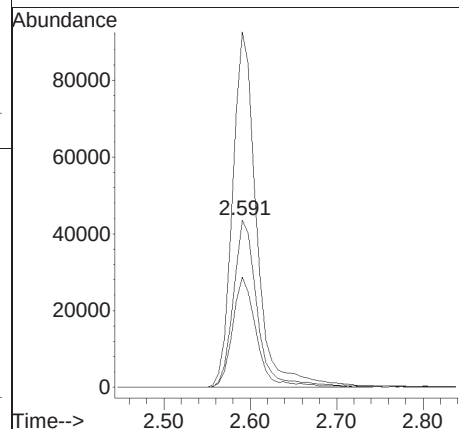
Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.8	77.8

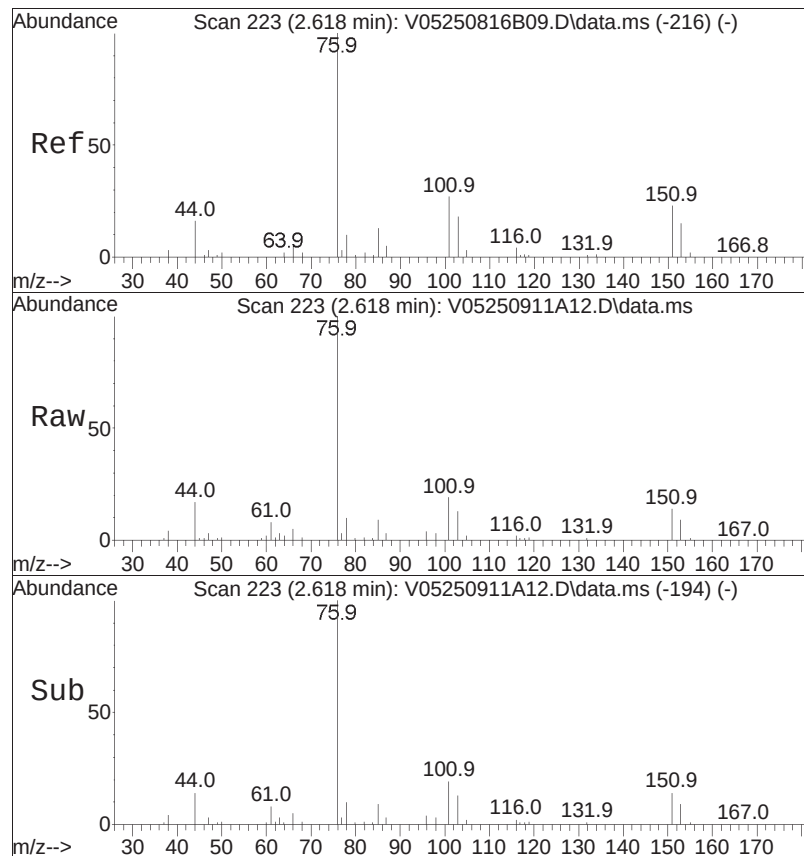




#10
 1,1-Dichloroethene
 Concen: 13.78 ug/L
 RT: 2.591 min Scan# 219
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

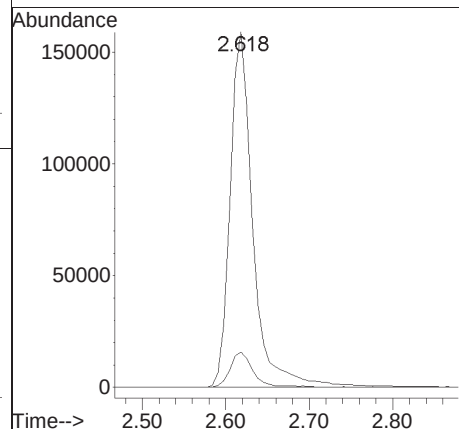
Tgt Ion:	96	Resp:	85014
Ion Ratio	Lower	Upper	
96	100		
61	212.7	169.4	254.2
63	65.8	52.9	79.3

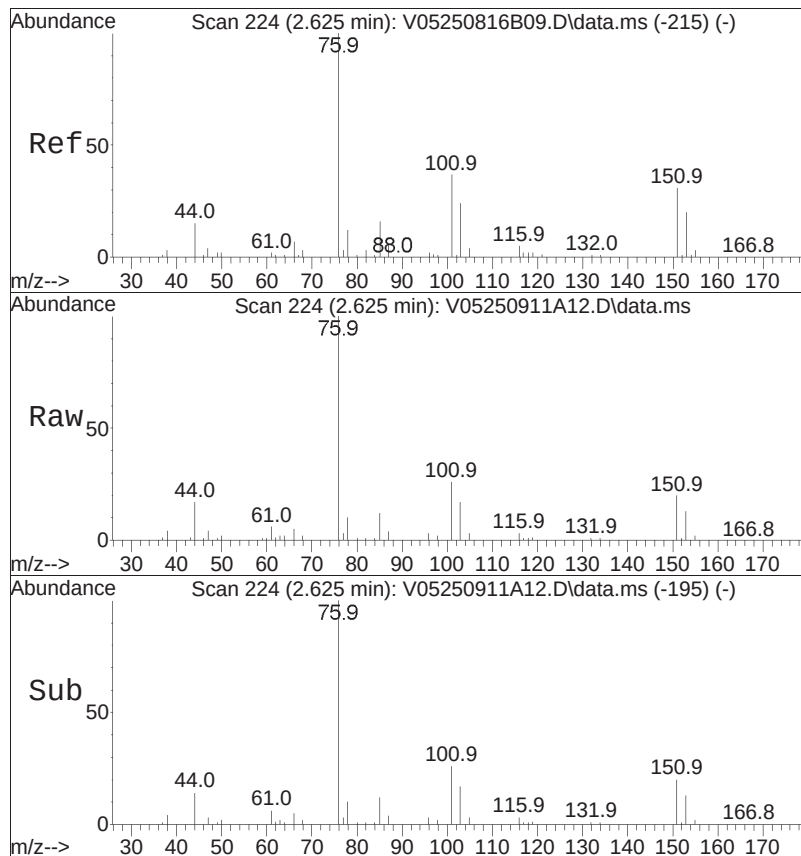




#11
 Carbon disulfide
 Concen: 14.44 ug/L
 RT: 2.618 min Scan# 223
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

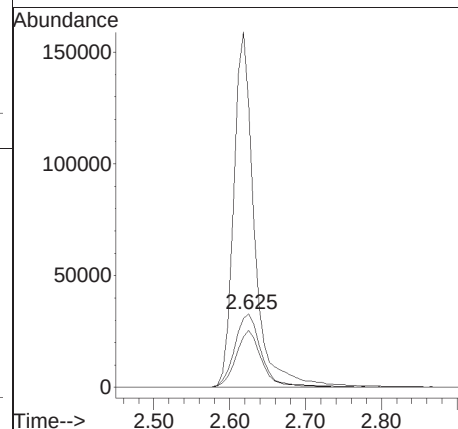
Tgt Ion:	76	78	Ratio	100	10.2	Resp:	302756	Lower	6.8	Upper	14.2
Ion	76	78	Ratio	100	10.2	Resp:	302756	Lower	6.8	Upper	14.2

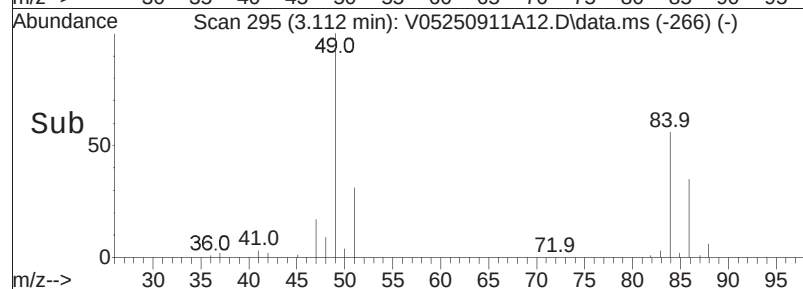
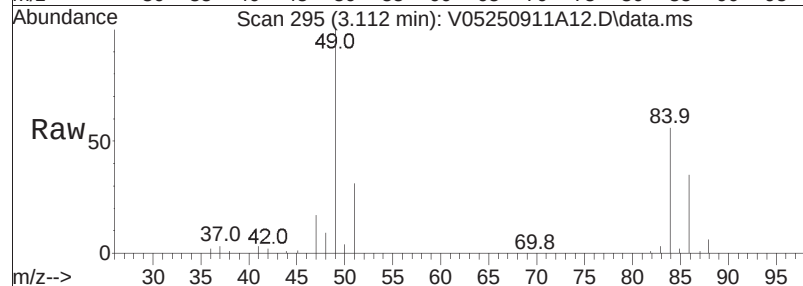
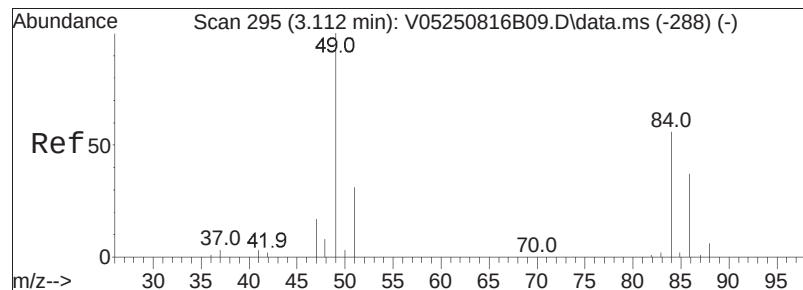




#12
 Freon-113
 Concen: 12.37 ug/L
 RT: 2.625 min Scan# 224
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

Tgt Ion	Ratio	Lower	Upper
101	100		
151	74.6	67.0	100.6
76	369.1	239.8	359.8#





#15

Methylene chloride

Concen: 11.94 ug/L

RT: 3.112 min Scan# 295

Delta R.T. 0.000 min

Lab File: V05250911A12.D

Acq: 11 Sep 2025 11:58 am

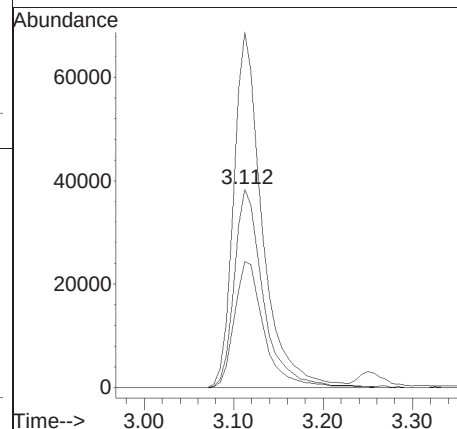
Tgt Ion: 84 Resp: 86474

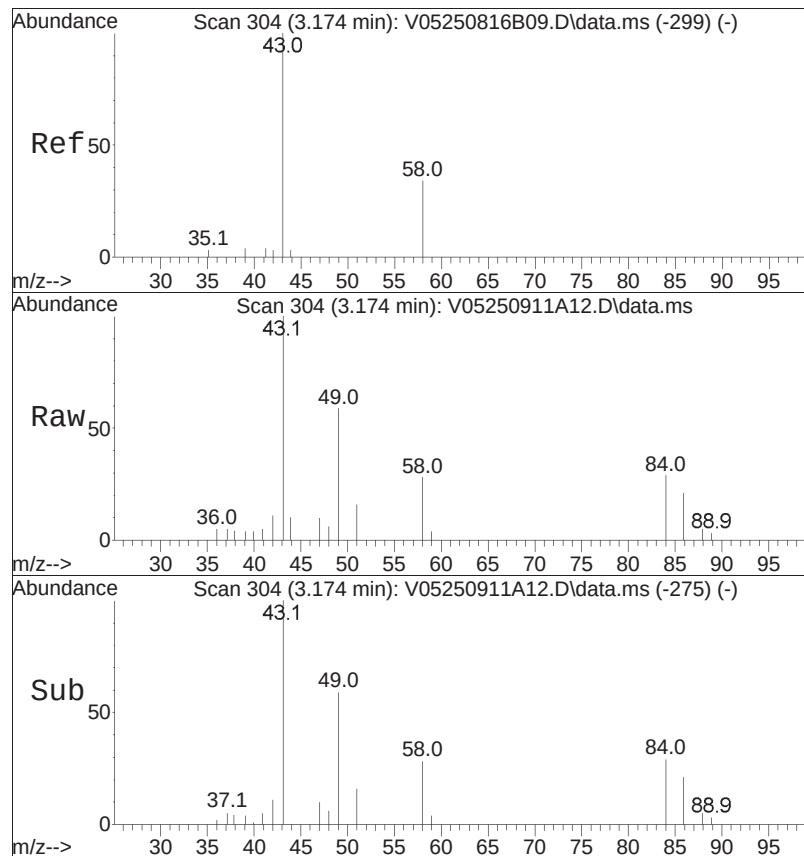
Ion Ratio Lower Upper

84 100

86 64.9 43.2 89.8

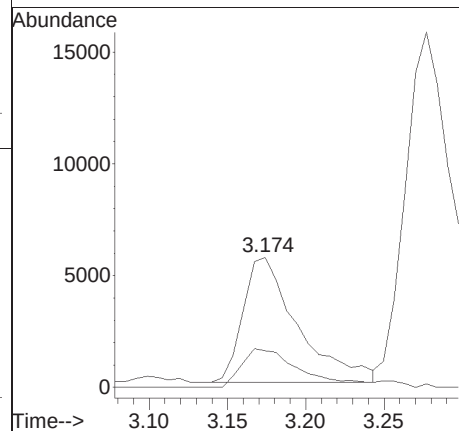
49 176.6 116.4 241.8

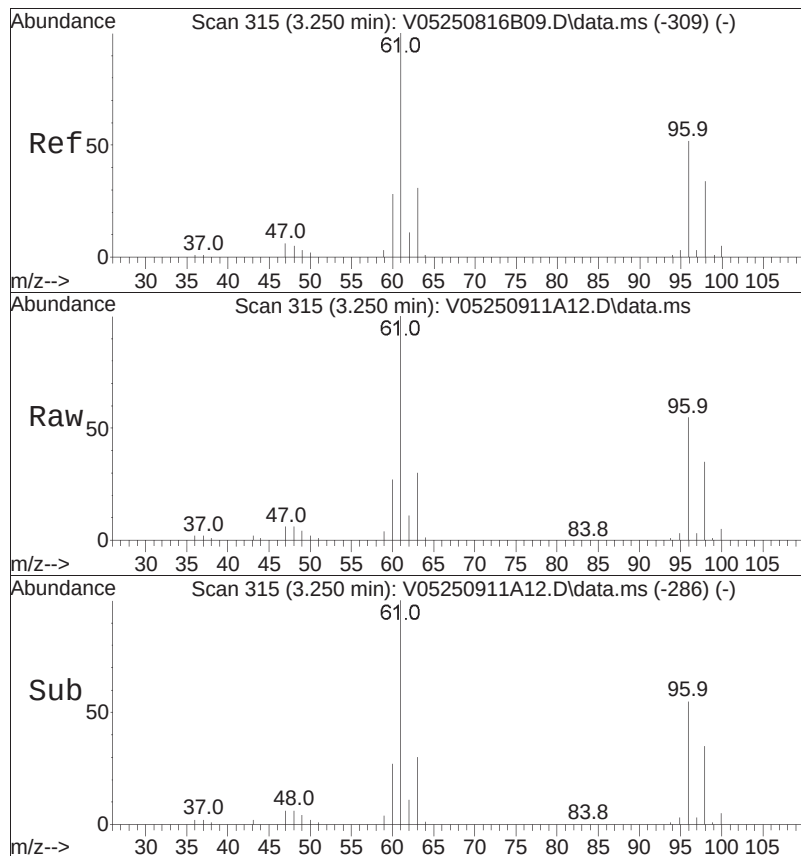




#17
Acetone
Concen: 9.96 ug/L
RT: 3.174 min Scan# 304
Delta R.T. 0.000 min
Lab File: V05250911A12.D
Acq: 11 Sep 2025 11:58 am

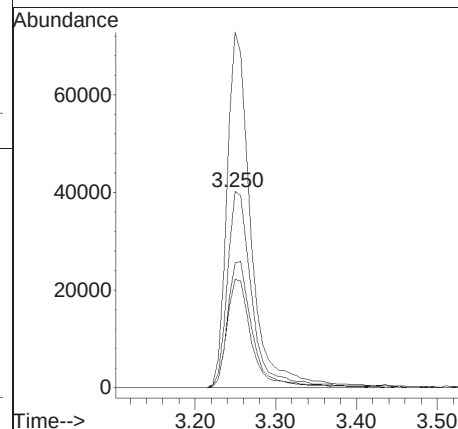
Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.6	40.0

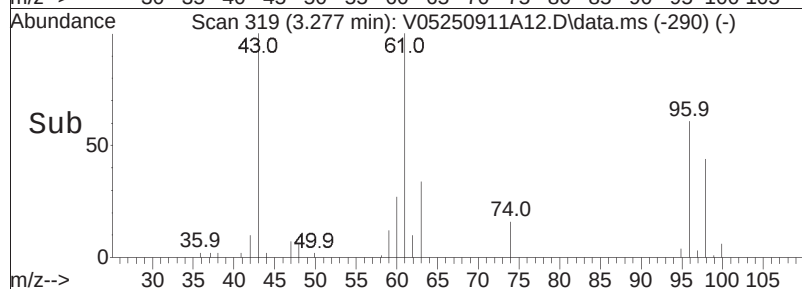
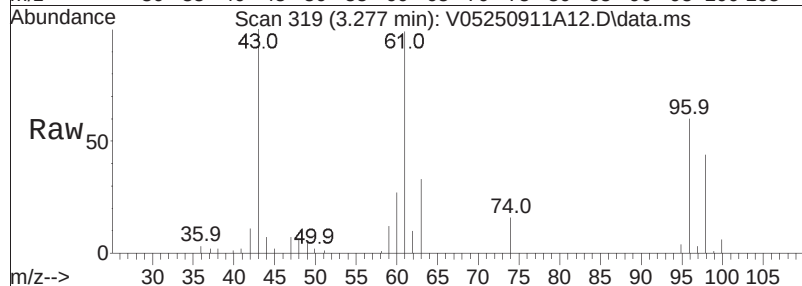
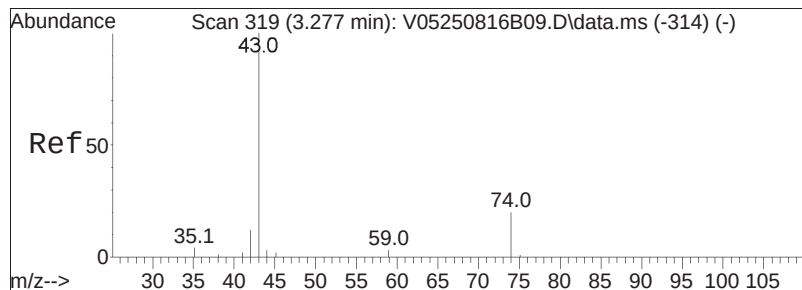




#18
 trans-1,2-Dichloroethene
 Concen: 12.13 ug/L
 RT: 3.250 min Scan# 315
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

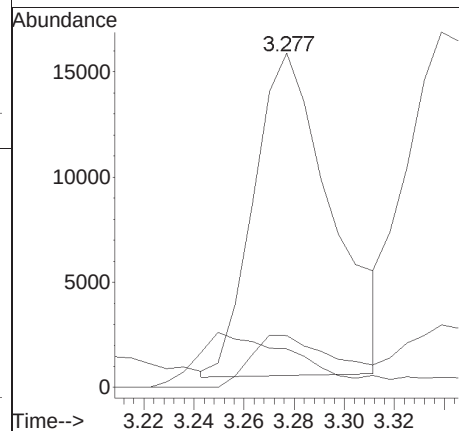
Tgt Ion:	96	Resp:	85687
Ion Ratio	Lower	Upper	
96	100		
61	175.5	125.3	260.1
98	64.4	42.8	89.0
63	55.0	38.7	80.3

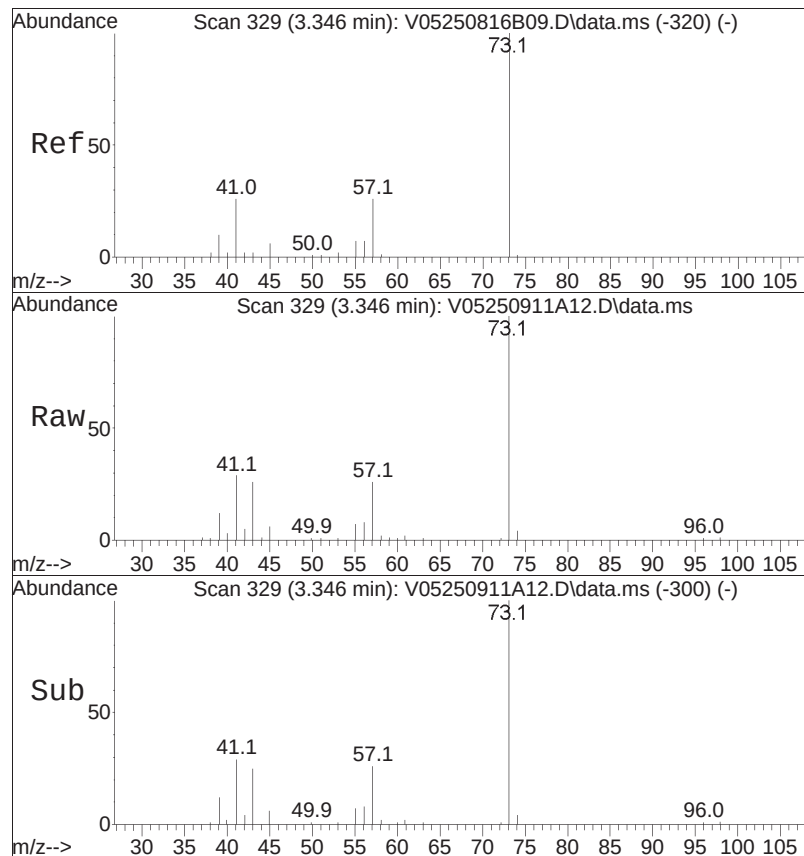




#19
Methyl acetate
Concen: 9.82 ug/L
RT: 3.277 min Scan# 319
Delta R.T. 0.000 min
Lab File: V05250911A12.D
Acq: 11 Sep 2025 11:58 am

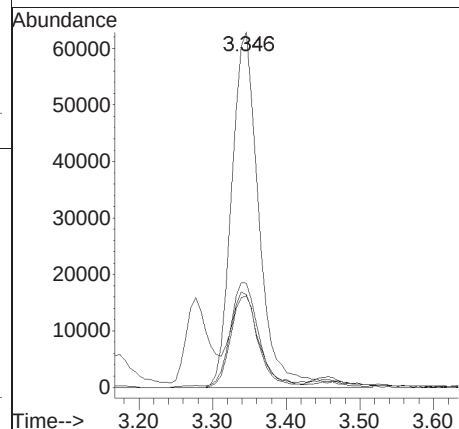
Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.9	14.4	21.6
59	22.2	17.9	26.9

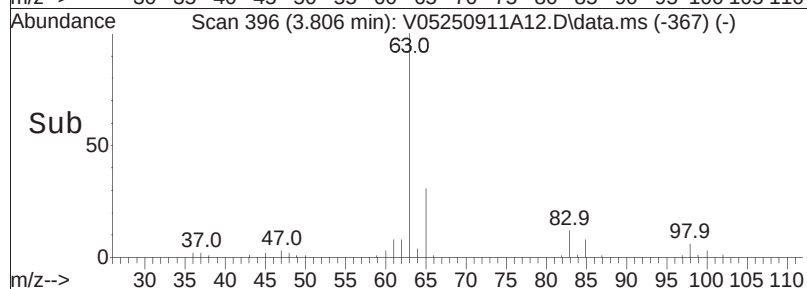
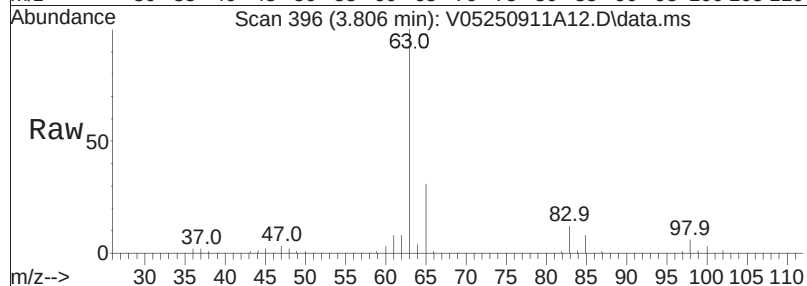
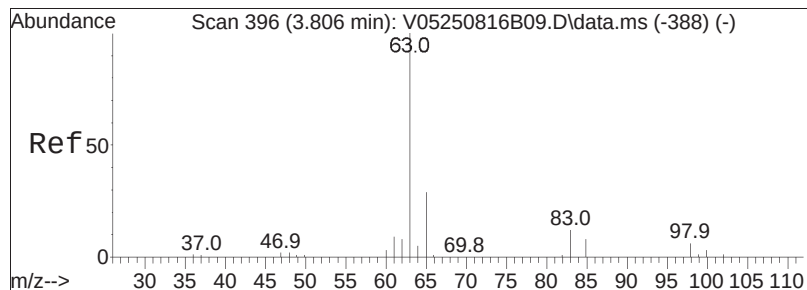




#20
Methyl tert-butyl ether
Concen: 9.18 ug/L
RT: 3.346 min Scan# 329
Delta R.T. -0.000 min
Lab File: V05250911A12.D
Acq: 11 Sep 2025 11:58 am

Tgt Ion:	73	Resp:	164097
Ion	Ratio	Lower	Upper
73	100		
57	26.0	16.7	34.7
43	25.2	15.7	32.7
41	30.0	15.9	33.1





#23

1,1-Dichloroethane

Concen: 11.74 ug/L

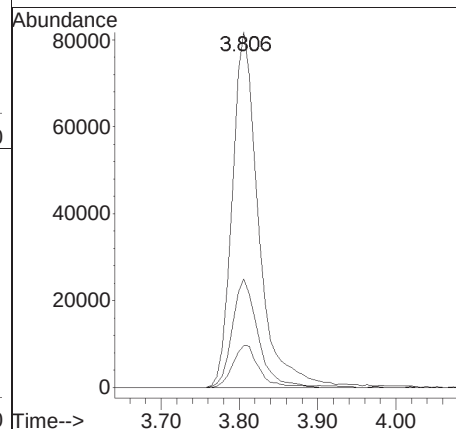
RT: 3.806 min Scan# 396

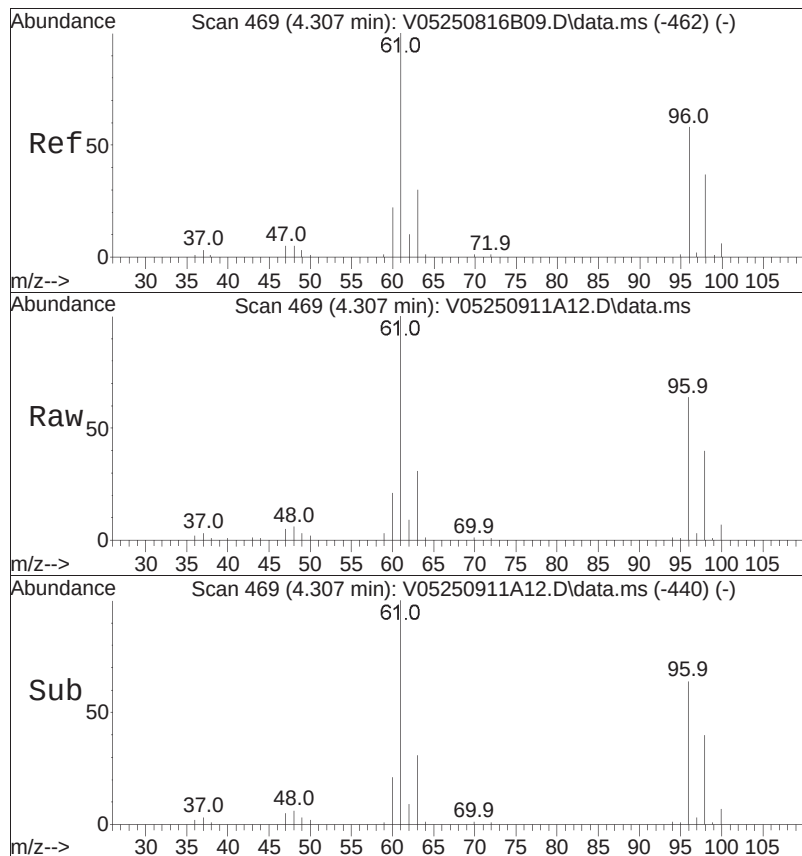
Delta R.T. -0.000 min

Lab File: V05250911A12.D

Acq: 11 Sep 2025 11:58 am

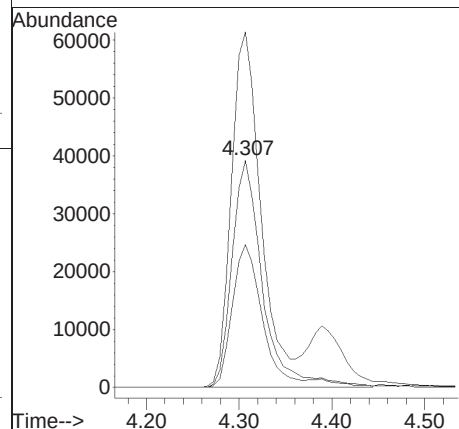
Tgt Ion:	63	Resp:	192934
Ion Ratio	Lower	Upper	
63	100		
65	29.5	8.6	48.6
83	11.7	0.0	31.7

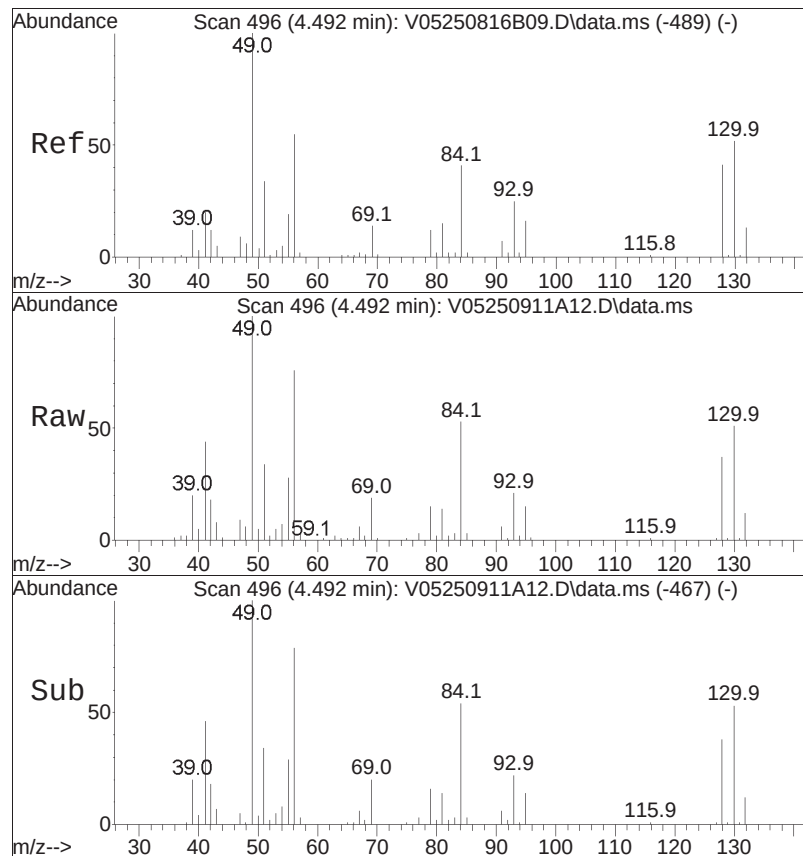




#28
 cis-1,2-Dichloroethene
 Concen: 11.58 ug/L
 RT: 4.307 min Scan# 469
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

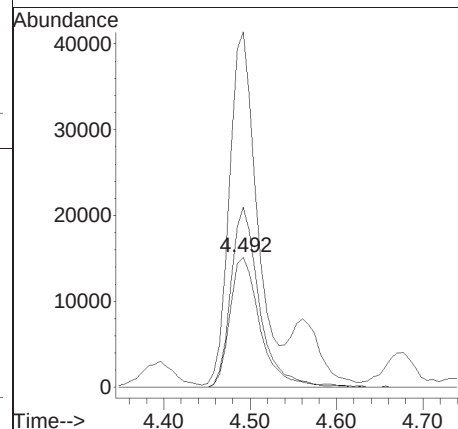
Tgt Ion:	96	Resp:	90352
Ion Ratio	Lower	Upper	
96	100		
61	149.0	131.4	197.2
98	60.8	49.8	74.8

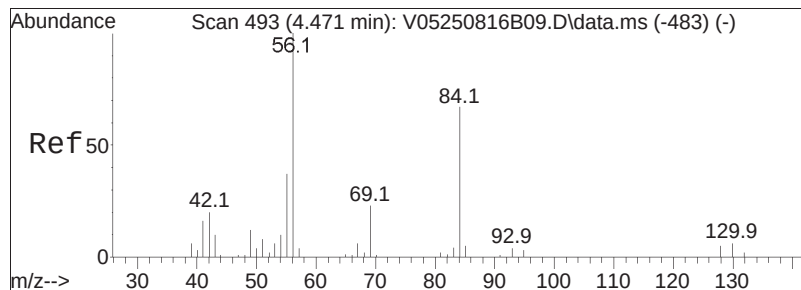




#30
 Bromochloromethane
 Concen: 11.61 ug/L
 RT: 4.492 min Scan# 496
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

Tgt Ion:	128	Resp:	37257
Ion Ratio	Lower	Upper	
128	100		
49	240.8	186.2	279.4
130	128.6	105.0	157.4





#31

Cyclohexane

Concen: 11.23 ug/L

RT: 4.471 min Scan# 493

Delta R.T. 0.000 min

Lab File: V05250911A12.D

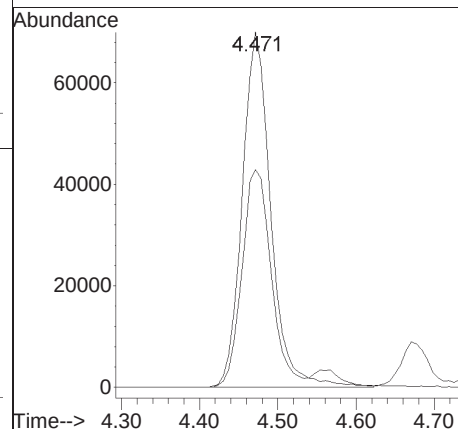
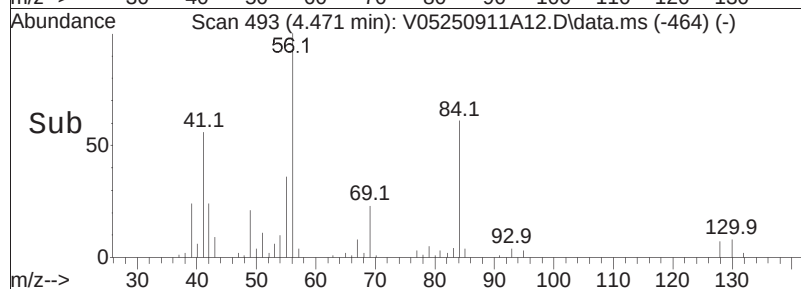
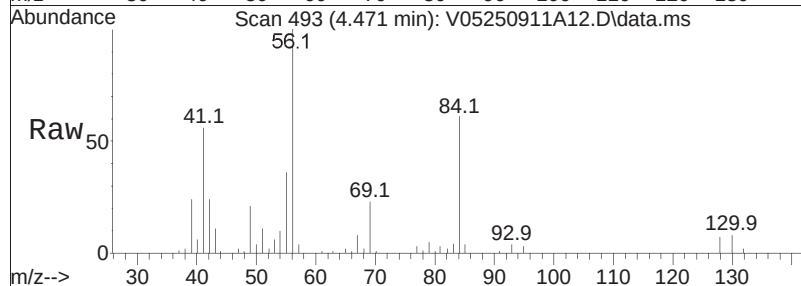
Acq: 11 Sep 2025 11:58 am

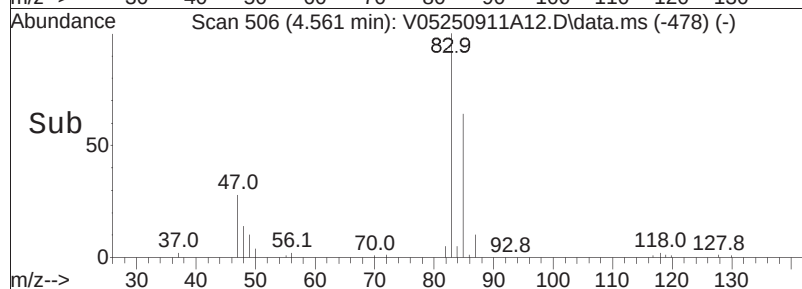
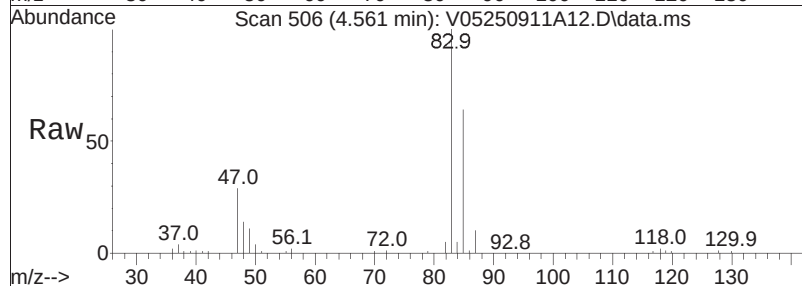
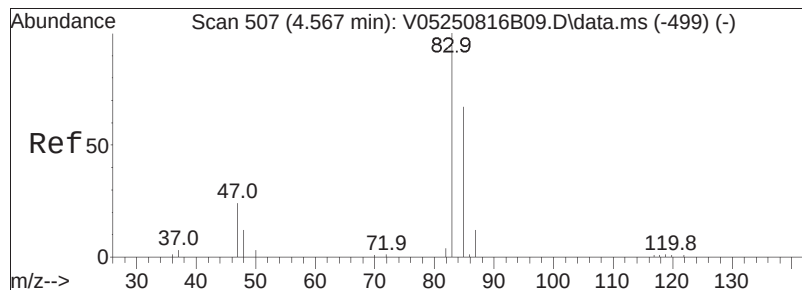
Tgt Ion: 56 Resp: 178139

Ion Ratio Lower Upper

56 100

84 62.6 41.1 85.5





#32

Chloroform

Concen: 11.21 ug/L

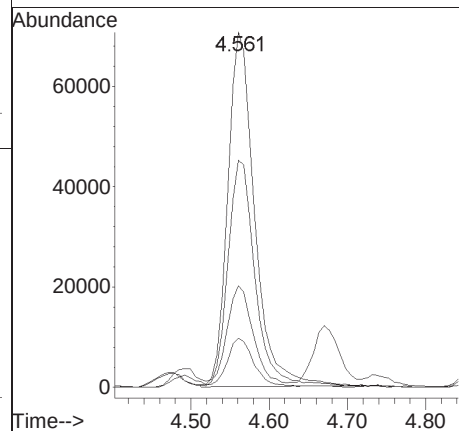
RT: 4.561 min Scan# 506

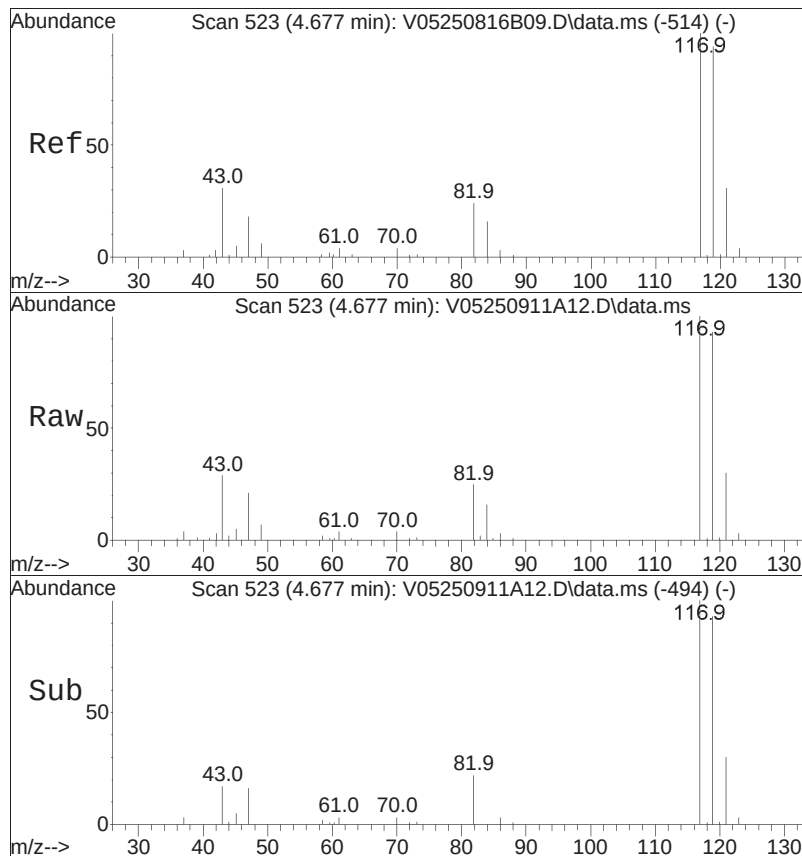
Delta R.T. -0.006 min

Lab File: V05250911A12.D

Acq: 11 Sep 2025 11:58 am

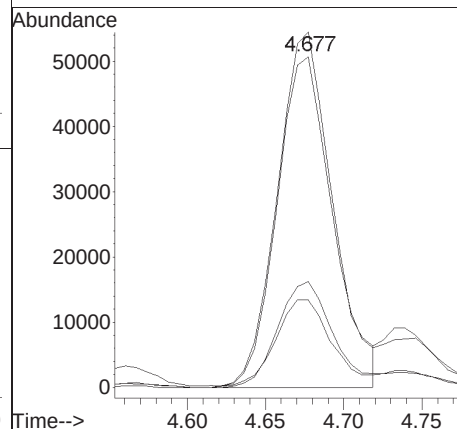
Tgt Ion:	83	Resp:	169061
Ion Ratio	Lower	Upper	
83	100		
85	64.8	42.6	88.4
47	25.4	15.5	32.3
48	13.2	8.4	17.4

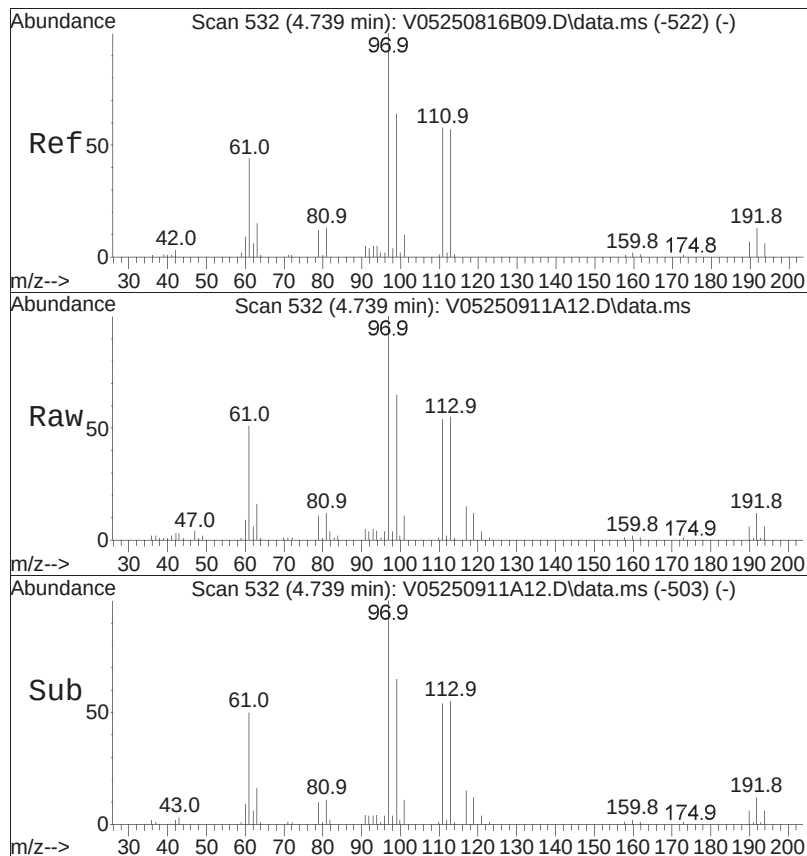




#34
 Carbon tetrachloride
 Concen: 10.40 ug/L
 RT: 4.677 min Scan# 523
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

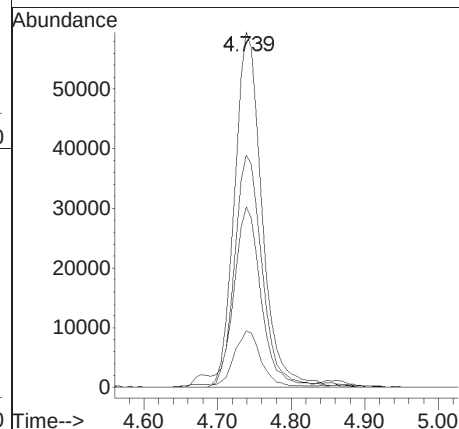
Tgt Ion:	117	Resp:	133640
Ion Ratio	Lower	Upper	
117	100		
119	94.0	58.9	122.3
121	30.3	19.0	39.6
82	24.5	15.4	32.0

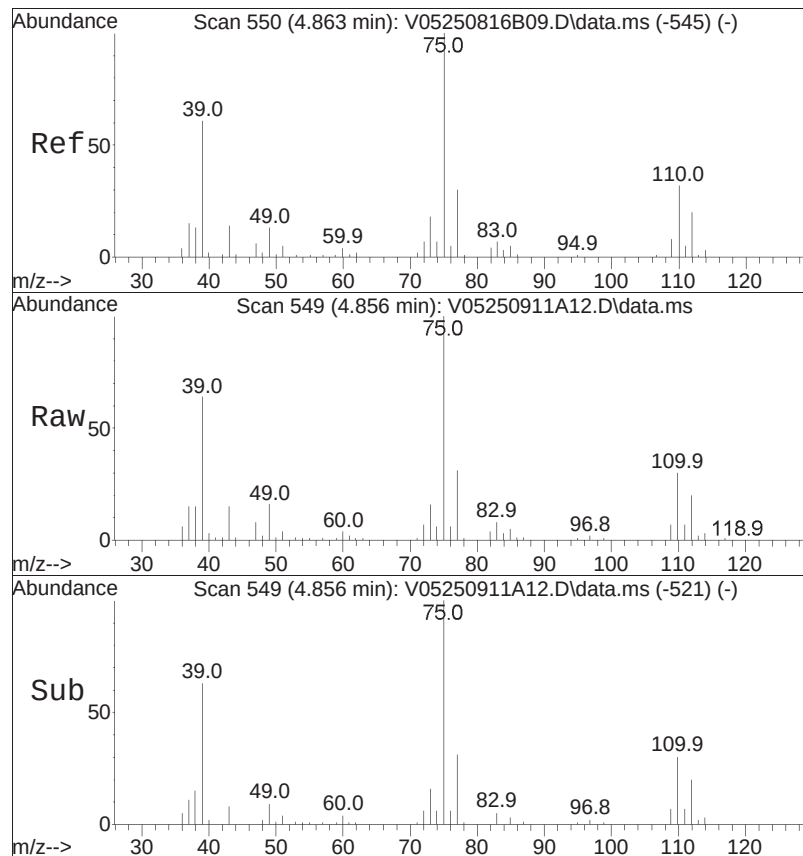




#37
 1,1,1-Trichloroethane
 Concen: 11.07 ug/L
 RT: 4.739 min Scan# 532
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

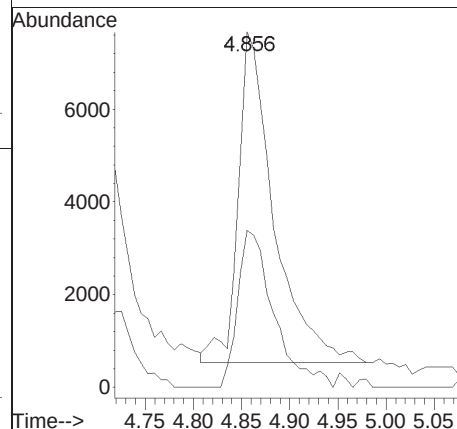
Tgt Ion:	97	Resp:	156098
Ion Ratio	Lower	Upper	
97	100		
99	65.8	41.9	86.9
61	52.5	30.4	63.0
63	15.7	9.6	20.0

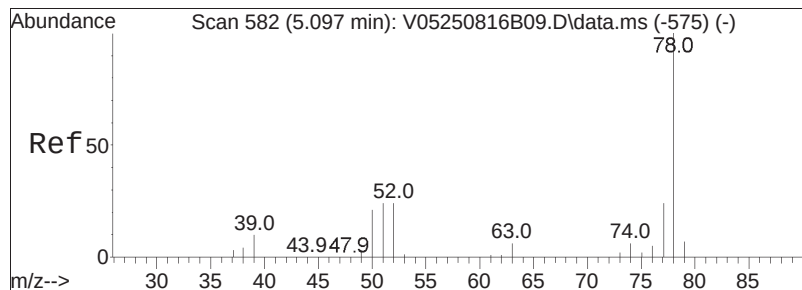




#39
 2-Butanone
 Concen: 8.96 ug/L
 RT: 4.856 min Scan# 549
 Delta R.T. -0.007 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

Tgt	Ion	Resp	Lower	Upper
43	100			
72	47.9	34.6	52.0	





#41

Benzene

Concen: 12.30 ug/L

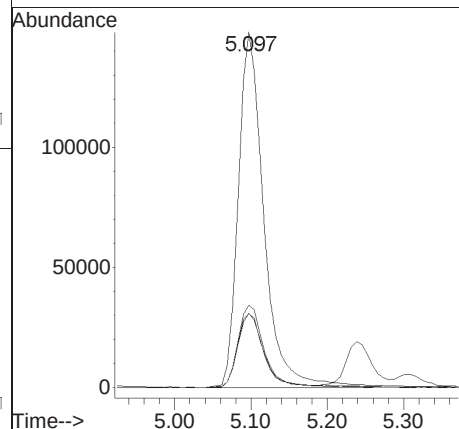
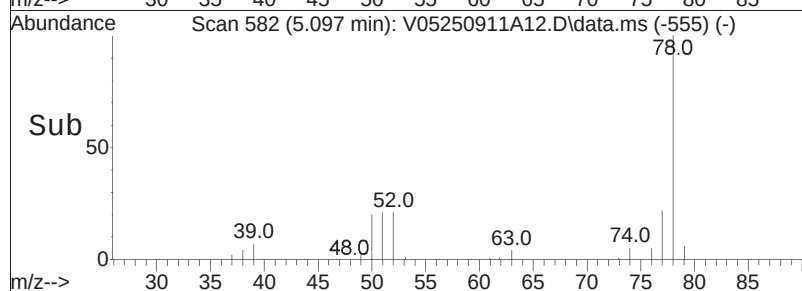
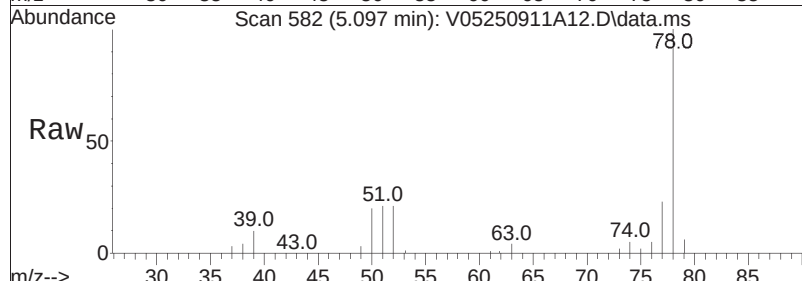
RT: 5.097 min Scan# 582

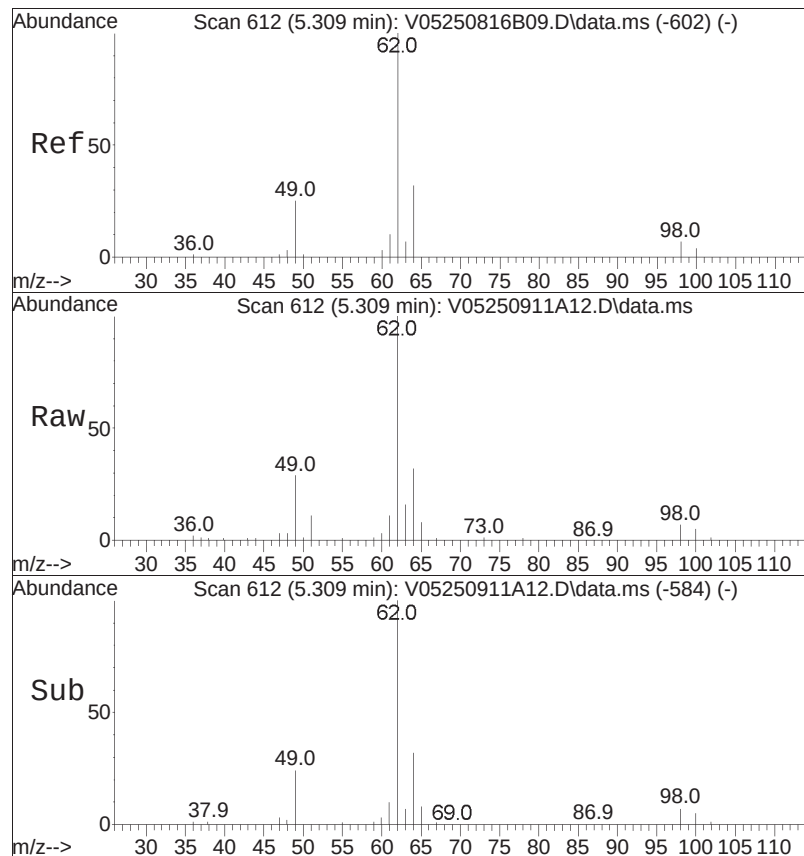
Delta R.T. 0.000 min

Lab File: V05250911A12.D

Acq: 11 Sep 2025 11:58 am

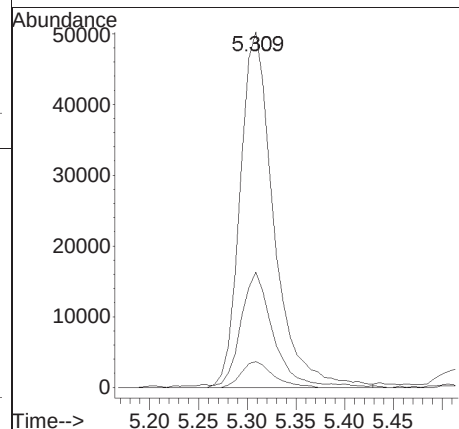
Tgt	Ion: 78	Resp:	366862
Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.5	32.3
51	22.0	15.5	32.3
52	21.6	15.0	31.1

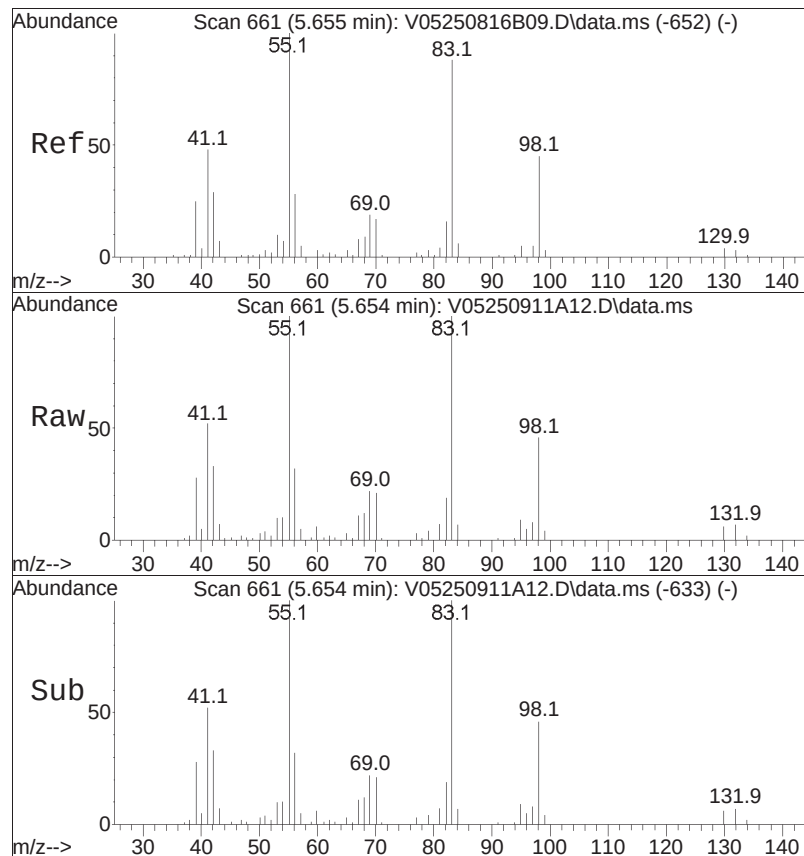




#44
 1,2-Dichloroethane
 Concen: 10.13 ug/L
 RT: 5.309 min Scan# 612
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

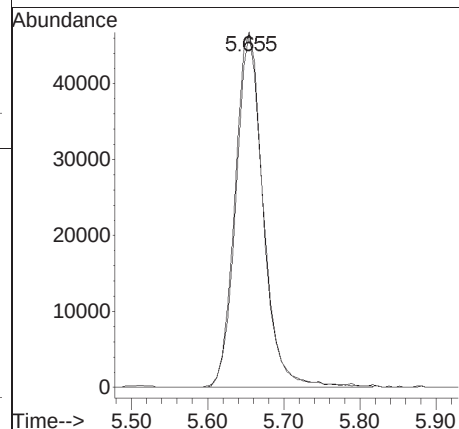
Tgt Ion:	62	Resp:	120912
Ion Ratio	Lower	Upper	
62	100		
64	32.1	12.5	52.5
98	6.9	0.0	26.7

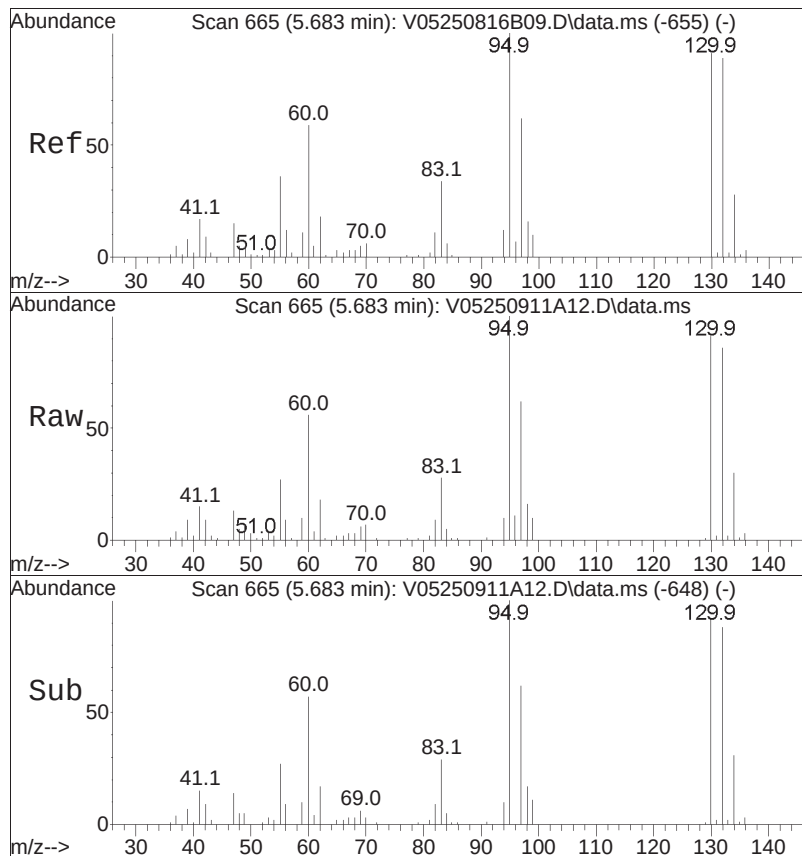




#47
 Methyl cyclohexane
 Concen: 9.21 ug/L
 RT: 5.654 min Scan# 661
 Delta R.T. -0.001 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

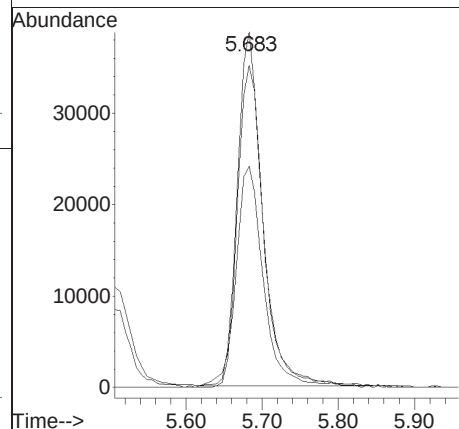
Tgt	Ion	Resp	Lower	Upper
83	100			
55	103.4	89.0	133.4	

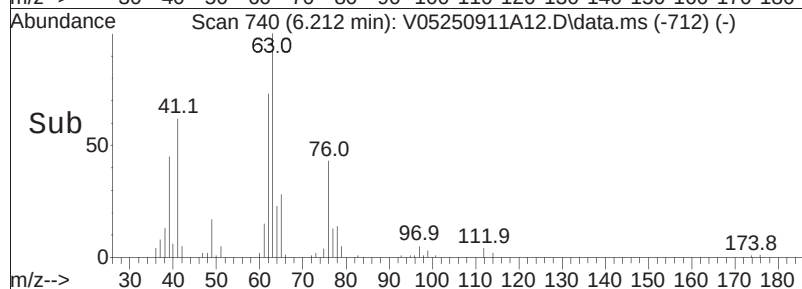
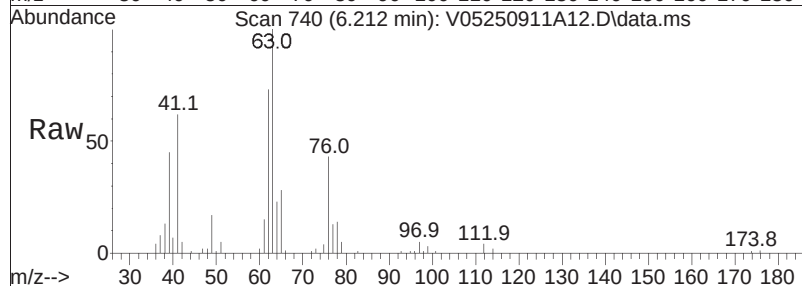
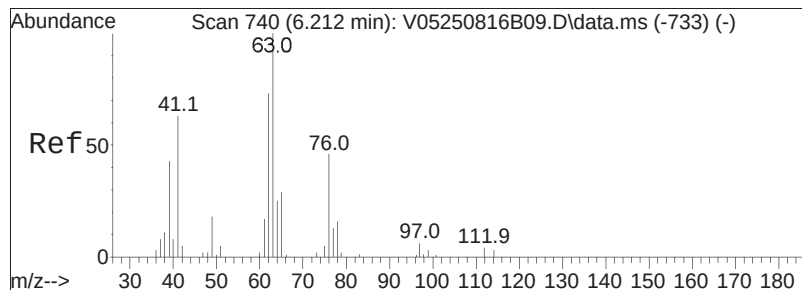




#48
 Trichloroethene
 Concen: 11.13 ug/L
 RT: 5.683 min Scan# 665
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

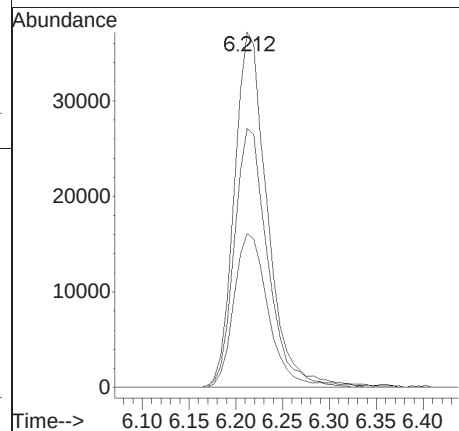
Tgt Ion	Ratio	Lower	Upper
95	100		
97	68.0	55.0	82.4
130	95.8	75.2	112.8

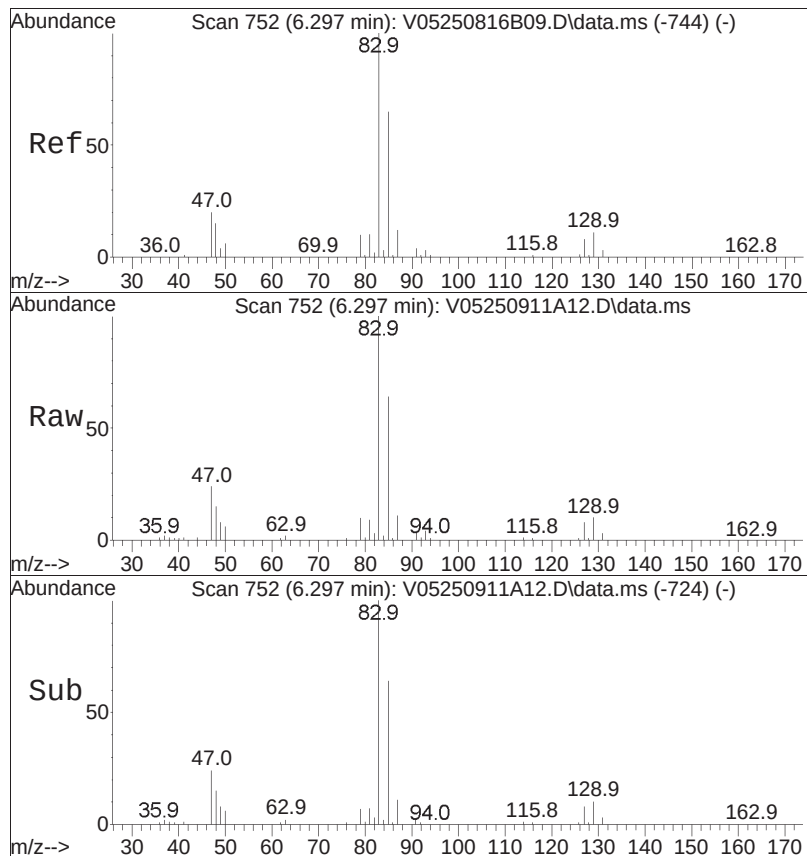




#51
 1,2-Dichloropropane
 Concen: 10.89 ug/L
 RT: 6.212 min Scan# 740
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

Tgt Ion:	63	Resp:	91536
Ion Ratio	Lower	Upper	
63	100		
62	74.4	56.4	84.6
76	45.0	37.9	56.9





#54

Bromodichloromethane

Concen: 10.17 ug/L

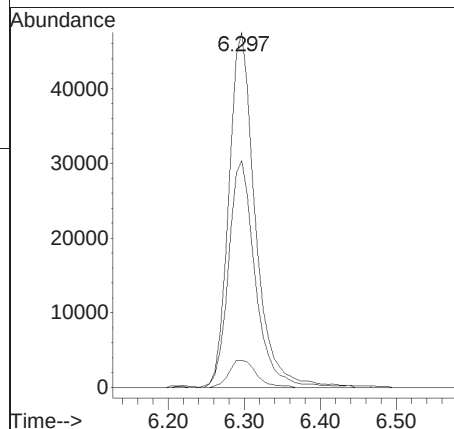
RT: 6.297 min Scan# 752

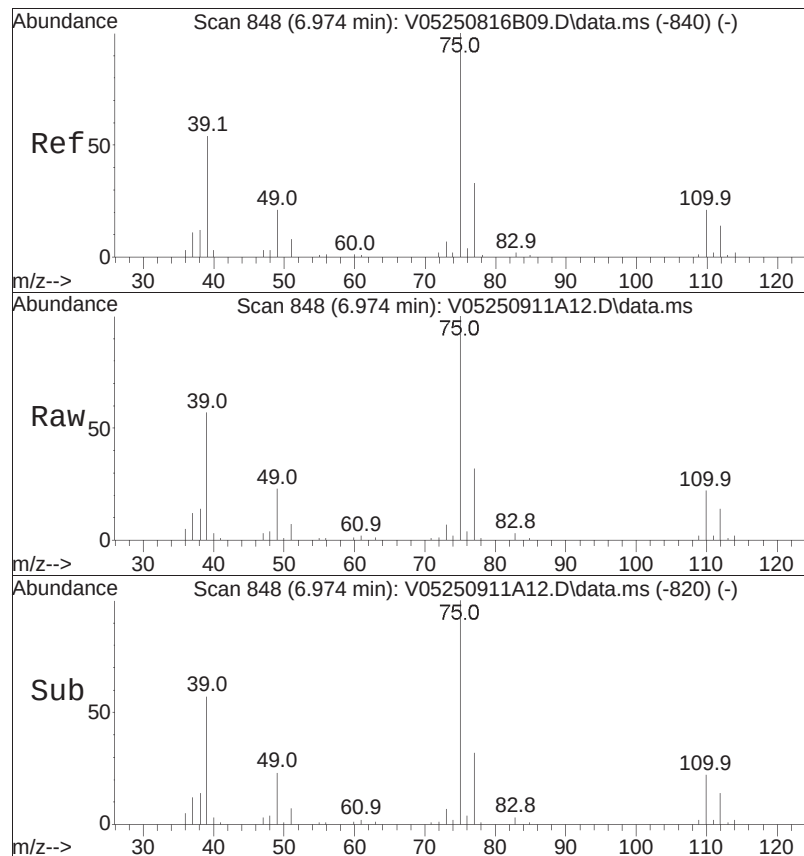
Delta R.T. -0.000 min

Lab File: V05250911A12.D

Acq: 11 Sep 2025 11:58 am

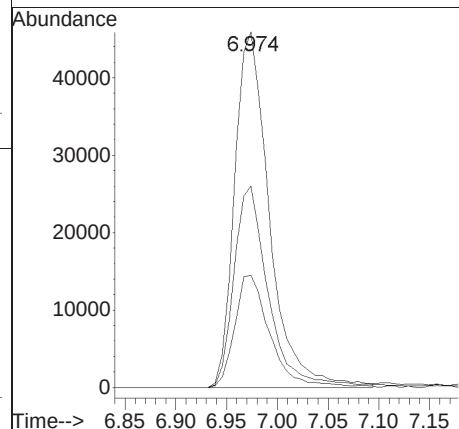
Tgt	Ion: 83	Resp:	115268
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.9	79.3
127	7.9	6.5	9.7

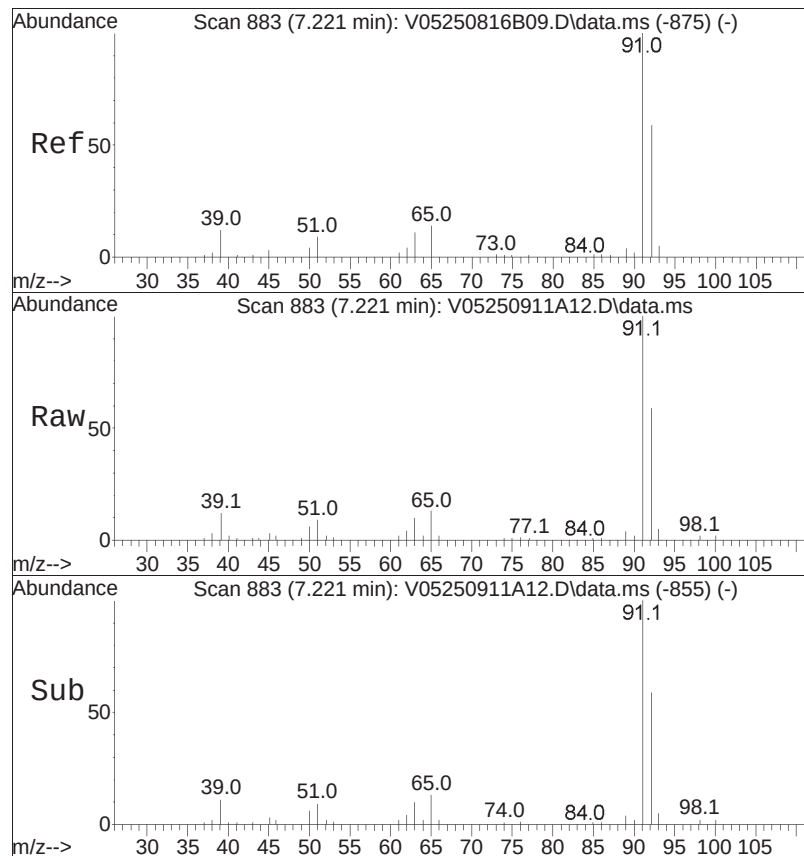




#58
 cis-1,3-Dichloropropene
 Concen: 9.91 ug/L
 RT: 6.974 min Scan# 848
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

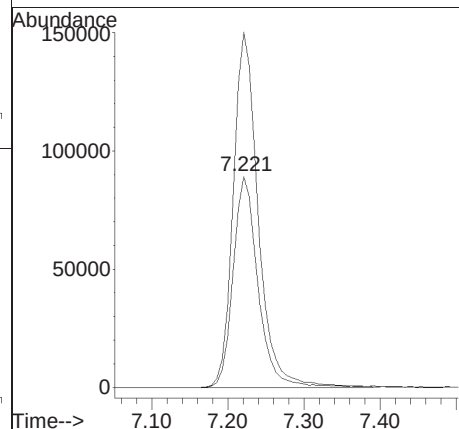
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	56.5	43.3	64.9

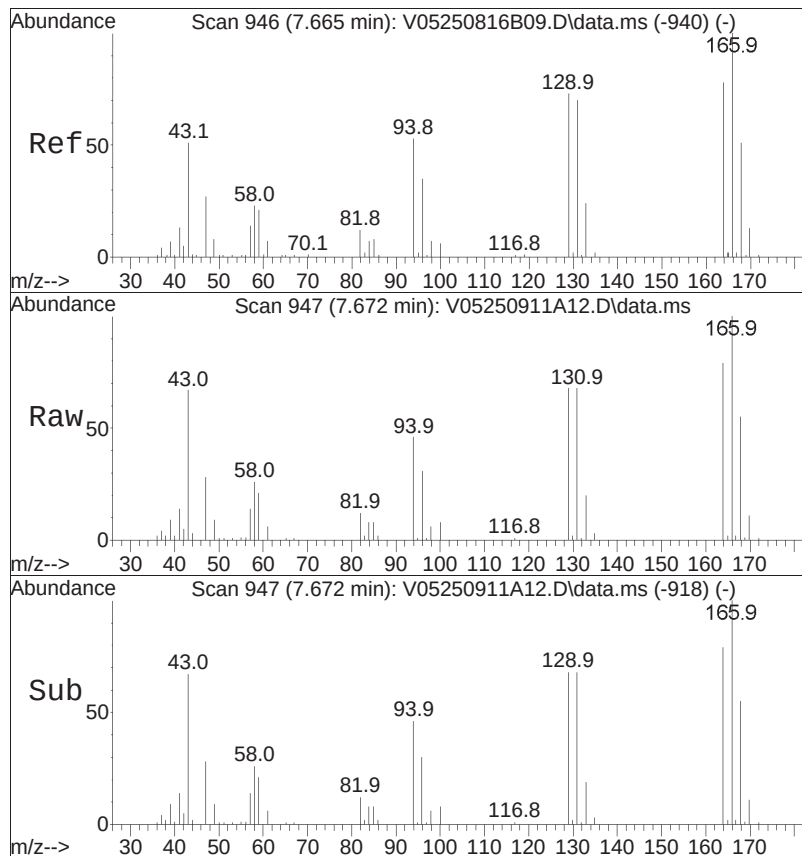




#61
Toluene
Concen: 11.50 ug/L
RT: 7.221 min Scan# 883
Delta R.T. -0.000 min
Lab File: V05250911A12.D
Acq: 11 Sep 2025 11:58 am

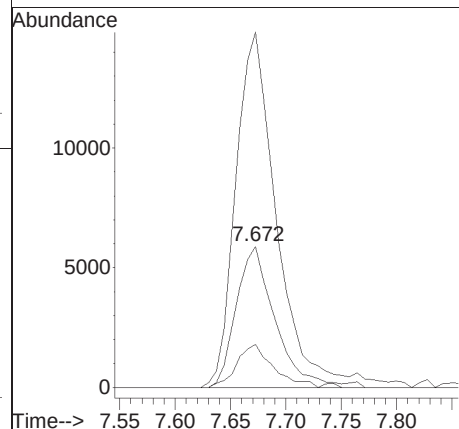
Tgt Ion:	92	Resp:	202807
Ion Ratio	Lower	Upper	
92	100		
91	168.4	136.2	204.2

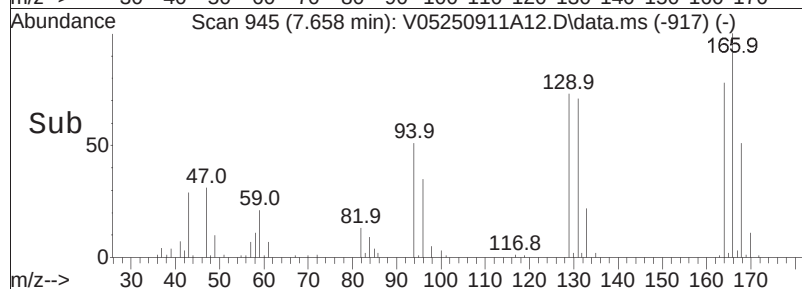
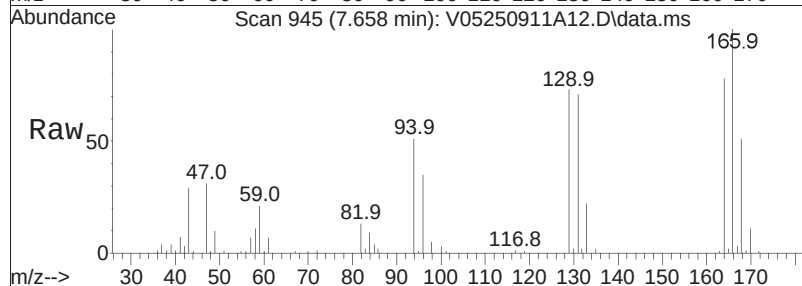
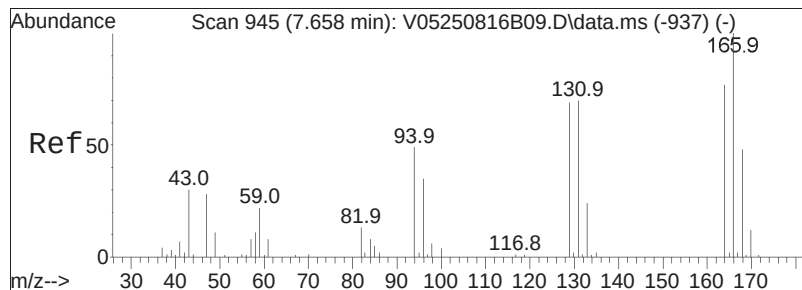




#62
 4-Methyl-2-pentanone
 Concen: 8.26 ug/L
 RT: 7.672 min Scan# 947
 Delta R.T. 0.007 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

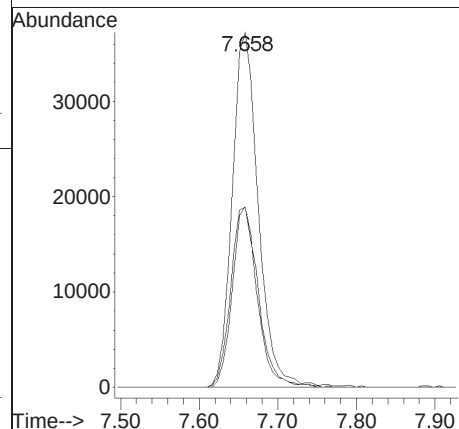
Tgt Ion:	58	Resp:	14445
Ion Ratio	Lower	Upper	
58	100		
100	28.5	24.1	36.1
43	266.5	206.5	309.7

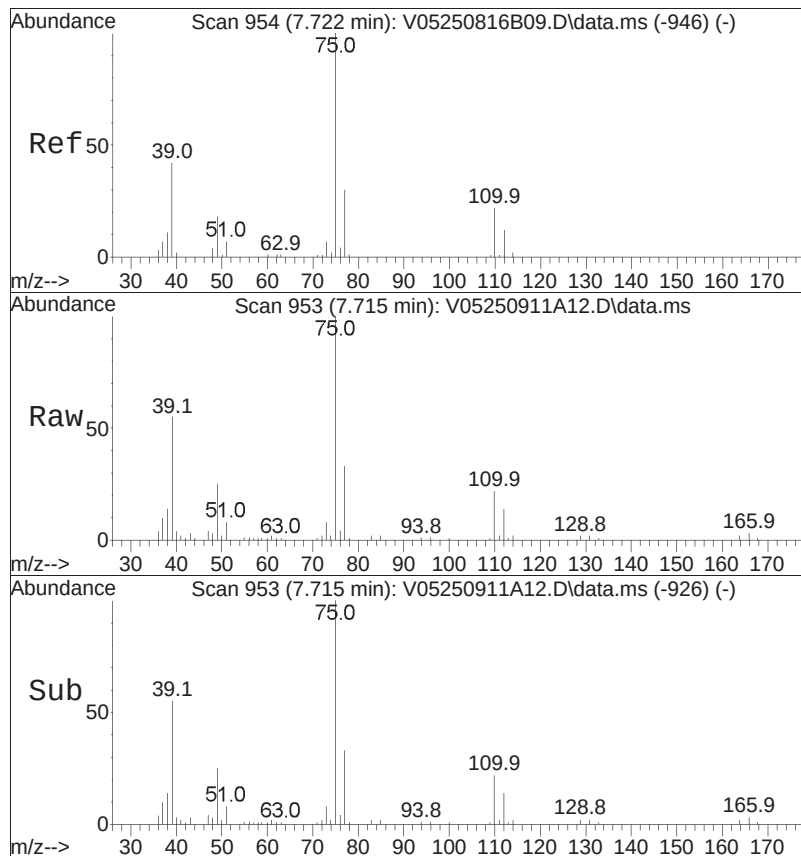




#63
 Tetrachloroethene
 Concen: 11.25 ug/L
 RT: 7.658 min Scan# 945
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

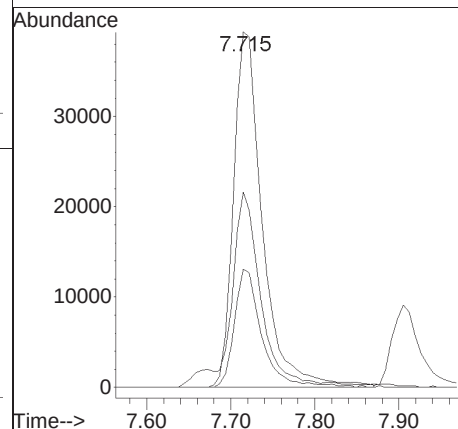
Tgt Ion	Ratio	Lower	Upper
166	100		
168	50.4	29.5	69.5
94	51.7	33.5	73.5

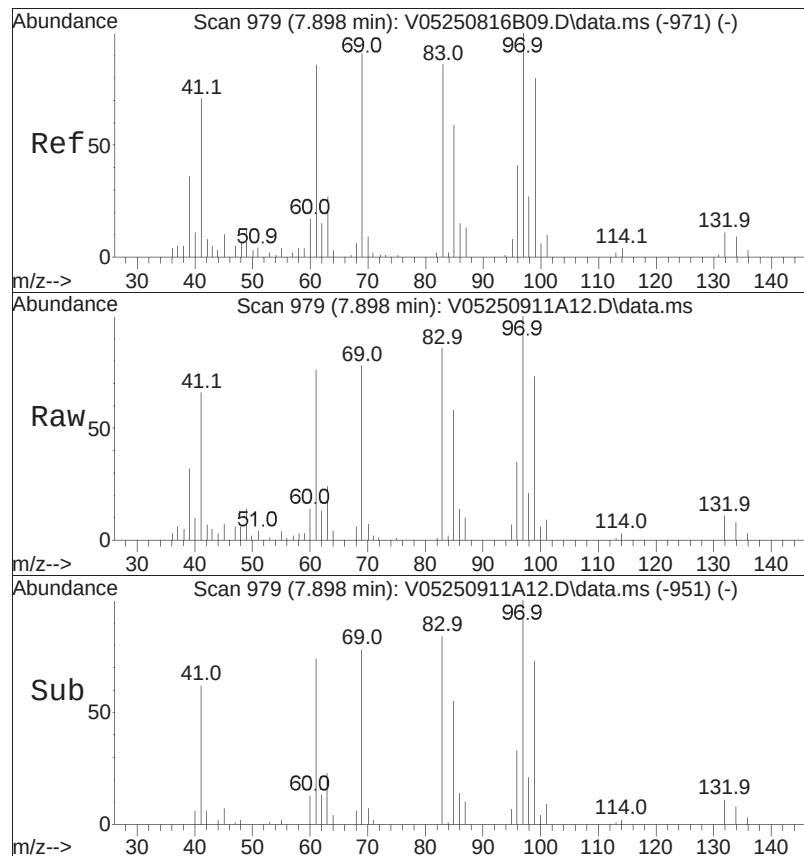




#65
trans-1,3-Dichloropropene
Concen: 9.25 ug/L
RT: 7.715 min Scan# 953
Delta R.T. -0.007 min
Lab File: V05250911A12.D
Acq: 11 Sep 2025 11:58 am

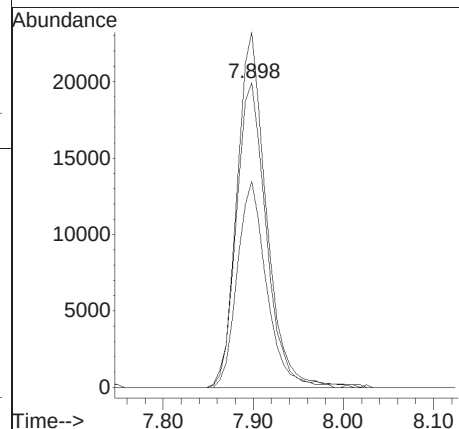
Tgt Ion:	75	Resp:	94407
Ion Ratio	Lower	Upper	
75	100		
77	31.6	11.6	51.6
39	56.0	33.1	73.1

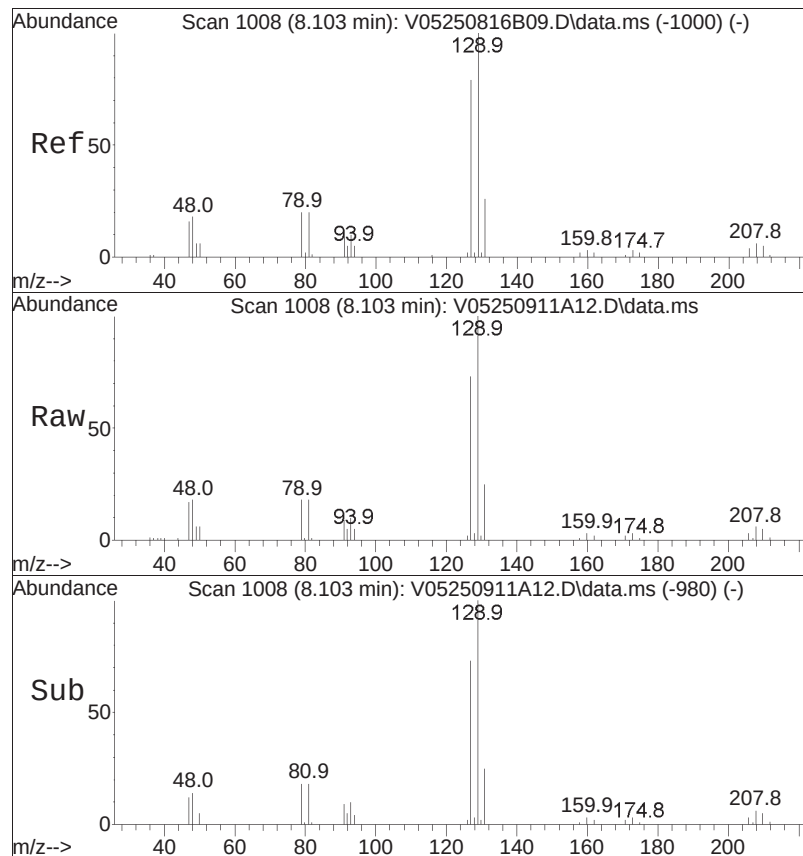




#68
 1,1,2-Trichloroethane
 Concen: 10.99 ug/L
 RT: 7.898 min Scan# 979
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

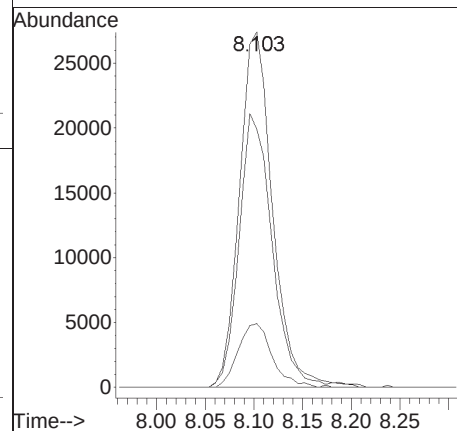
Tgt Ion:	83	Resp:	46178
Ion Ratio	Lower	Upper	
83	100		
97	113.6	98.4	138.4
85	65.7	45.6	85.6

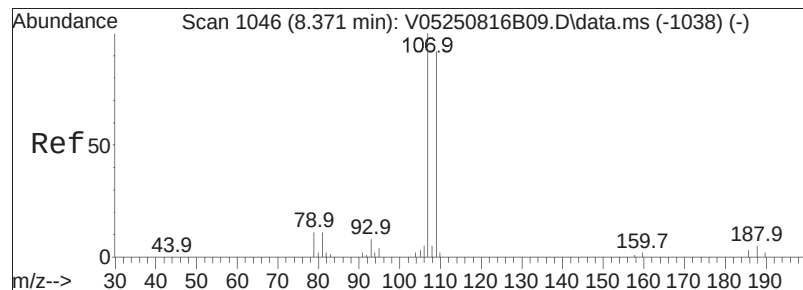




#69
 Chlorodibromomethane
 Concen: 9.87 ug/L
 RT: 8.103 min Scan# 1008
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

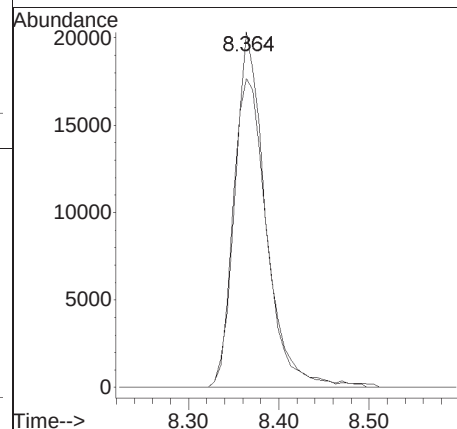
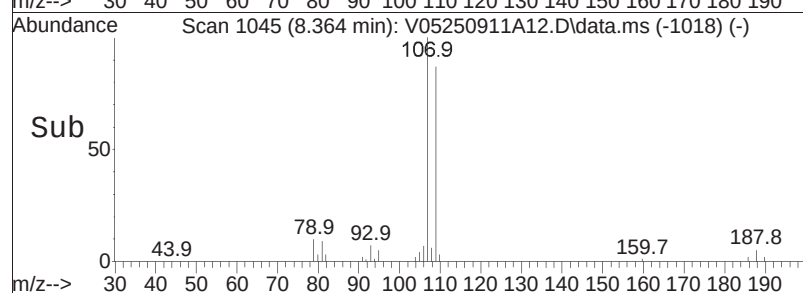
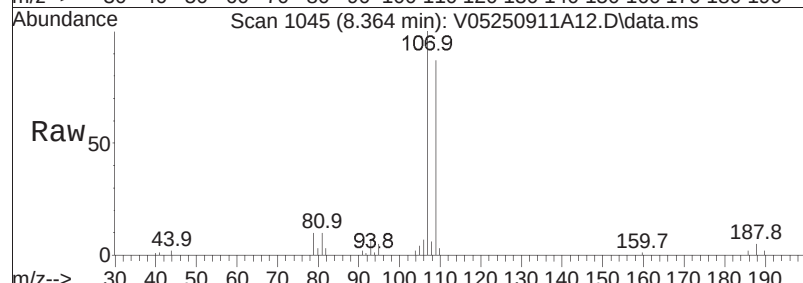
Tgt Ion:	129	Resp:	65057
Ion Ratio	Lower	Upper	
129	100		
81	18.4	0.0	39.3
127	77.0	56.6	96.6

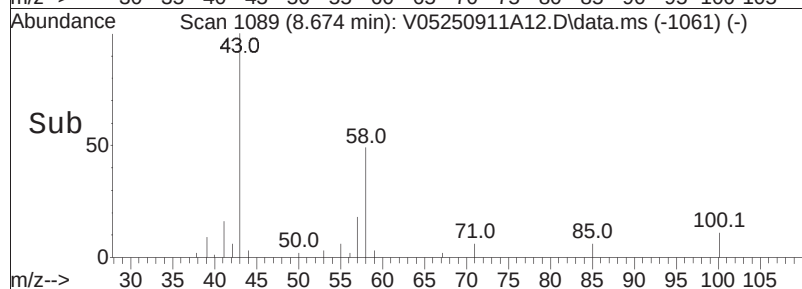
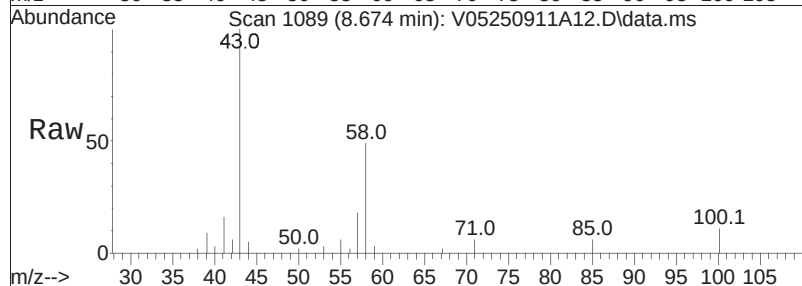
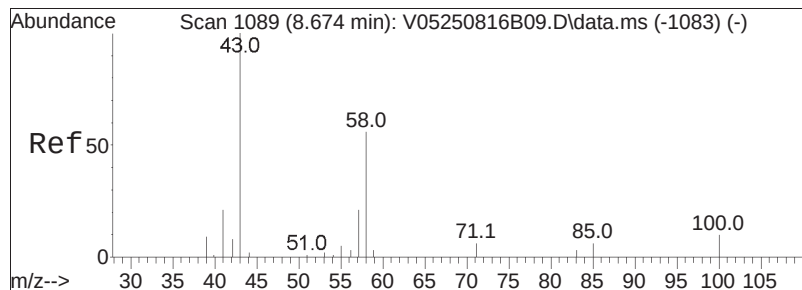




#71
 1,2-Dibromoethane
 Concen: 10.18 ug/L
 RT: 8.364 min Scan# 1045
 Delta R.T. -0.007 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.2	112.8





#72

2-Hexanone

Concen: 8.02 ug/L

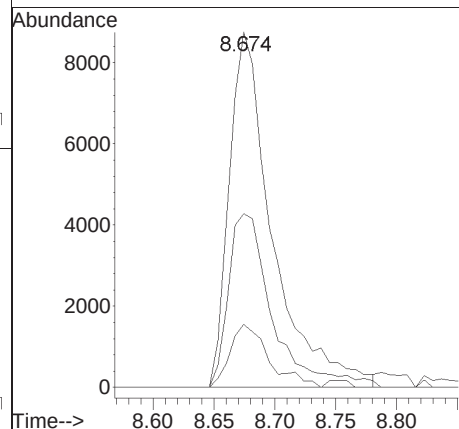
RT: 8.674 min Scan# 1089

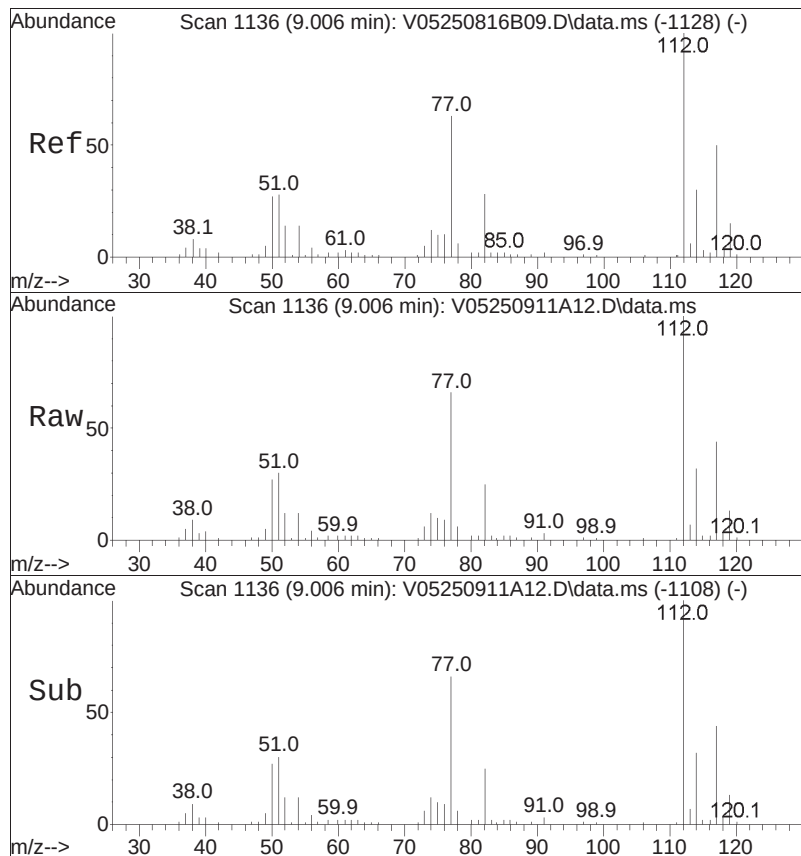
Delta R.T. 0.000 min

Lab File: V05250911A12.D

Acq: 11 Sep 2025 11:58 am

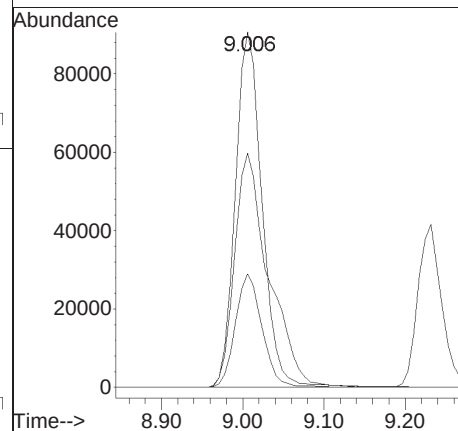
Tgt Ion:	43	Resp:	21654
Ion Ratio	Lower	Upper	
43	100		
58	49.7	39.7	59.5
57	16.0	16.3	24.5#

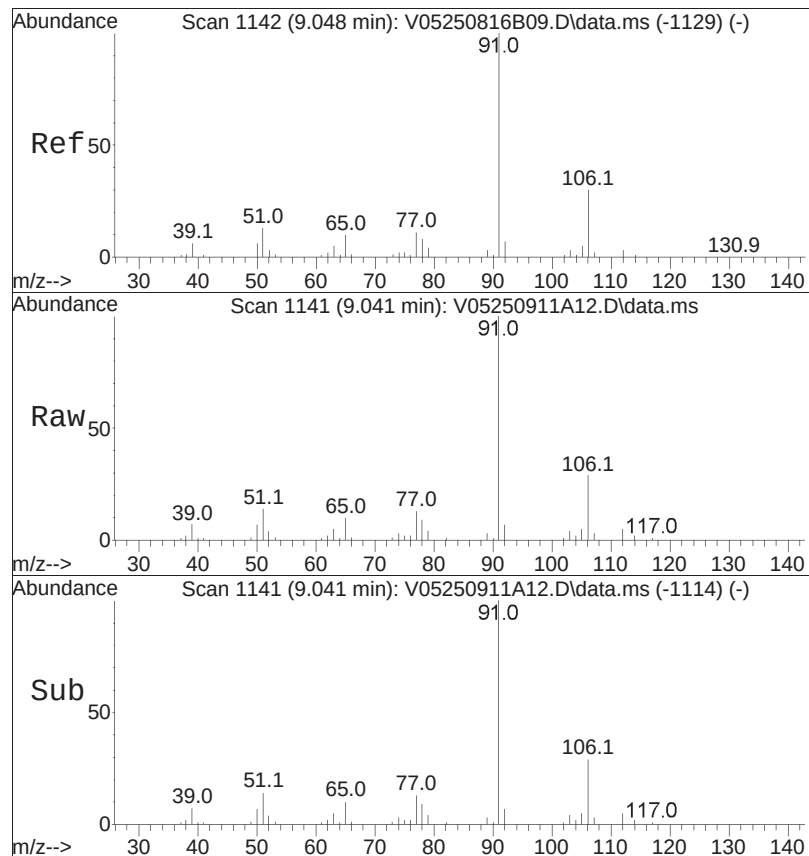




#73
 Chlorobenzene
 Concen: 11.17 ug/L
 RT: 9.006 min Scan# 1136
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

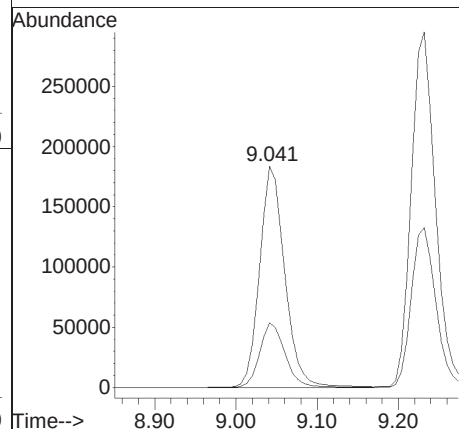
Tgt	Ion	Ratio	Resp	Lower	Upper
112	100		207127		
77	84.7	67.5		101.3	
114	32.0	25.4		38.0	

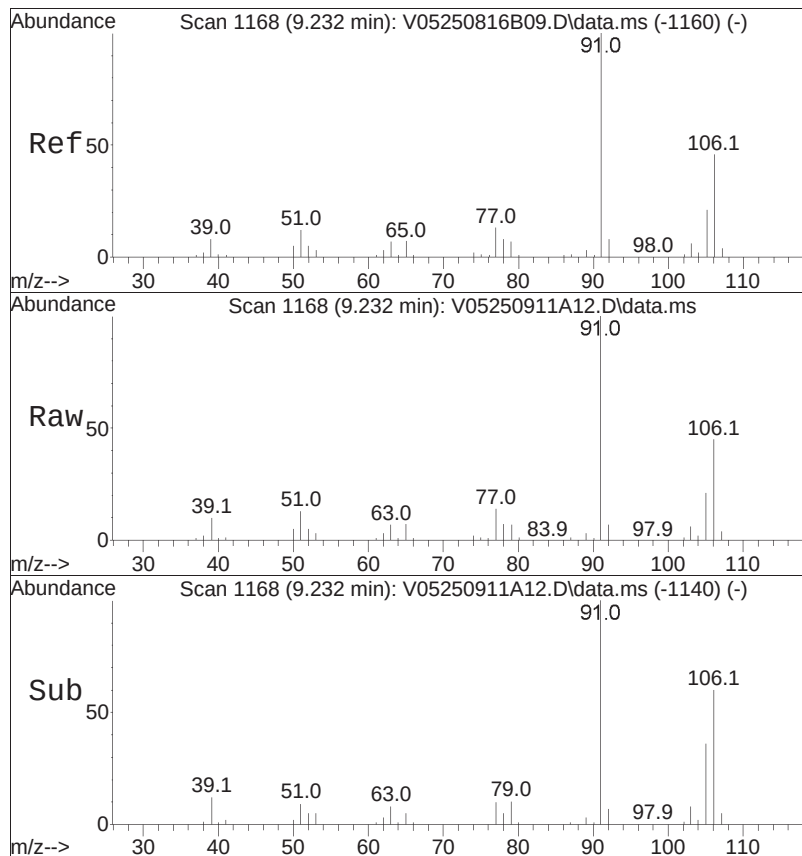




#74
 Ethylbenzene
 Concen: 11.39 ug/L
 RT: 9.041 min Scan# 1141
 Delta R.T. -0.007 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

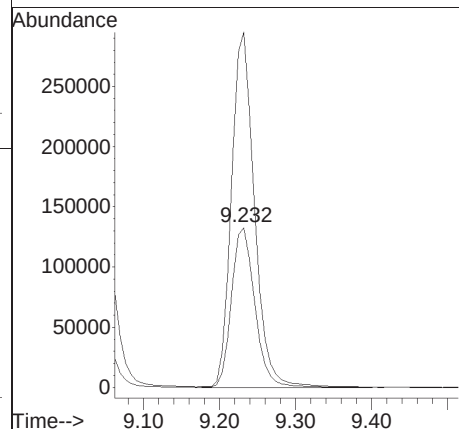
Tgt	Ion	Resp	Lower	Upper
91	100	396675		
106	29.3	23.4	35.0	

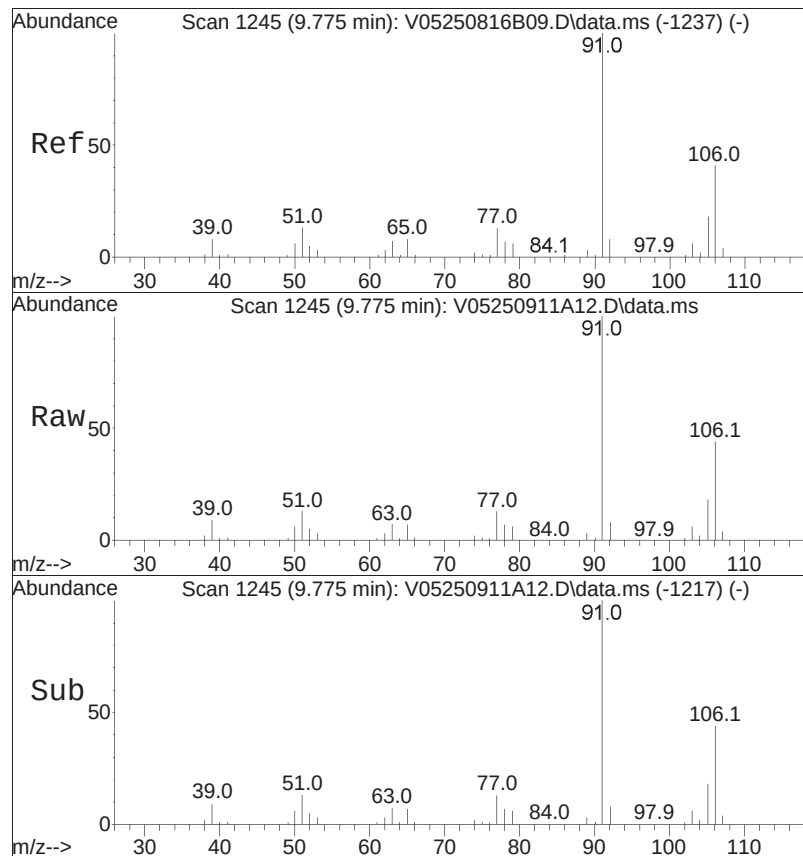




#76
 p/m Xylene
 Concen: 23.08 ug/L
 RT: 9.232 min Scan# 1168
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

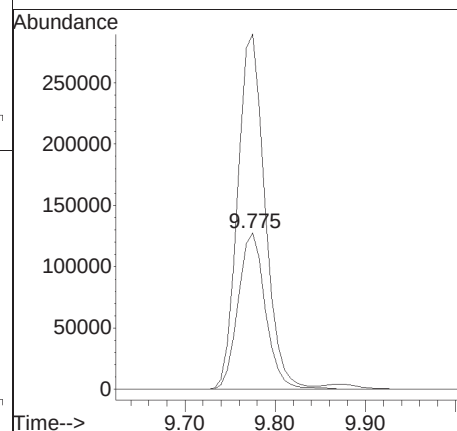
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	216.9	176.3	264.5	

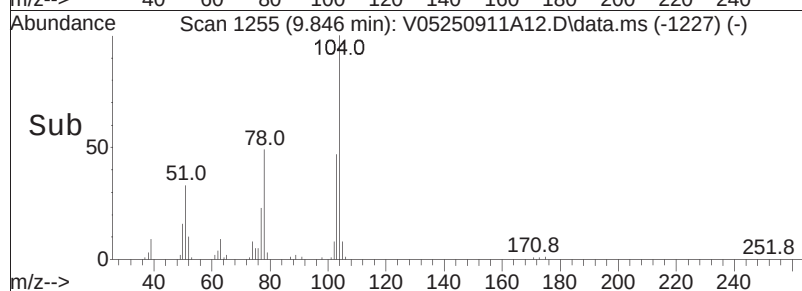
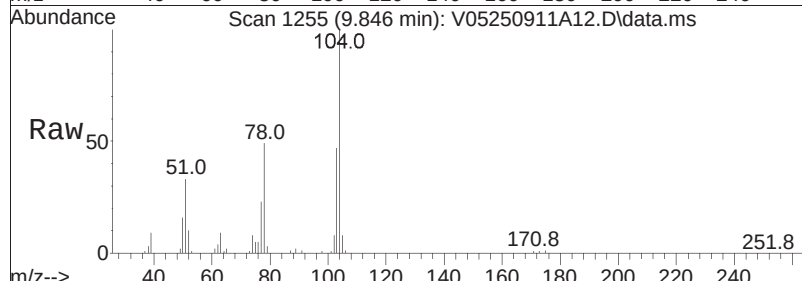
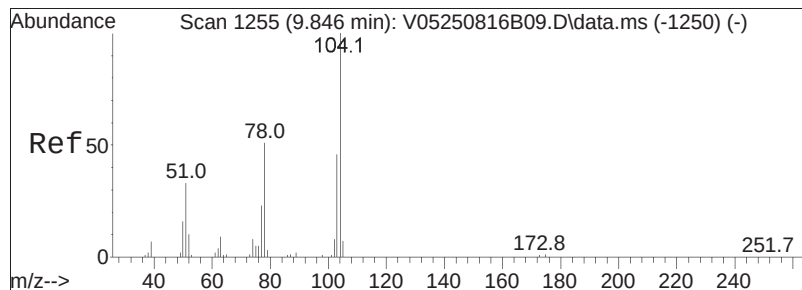




#77
o Xylene
Concen: 23.25 ug/L
RT: 9.775 min Scan# 1245
Delta R.T. 0.000 min
Lab File: V05250911A12.D
Acq: 11 Sep 2025 11:58 am

Tgt	Ion	Ratio	Lower	Upper
106	106	100		
91	225.1	189.3	283.9	





#78

Styrene

Concen: 23.14 ug/L

RT: 9.846 min Scan# 1255

Delta R.T. -0.000 min

Lab File: V05250911A12.D

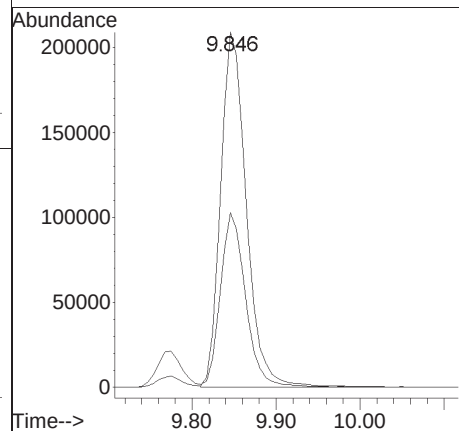
Acq: 11 Sep 2025 11:58 am

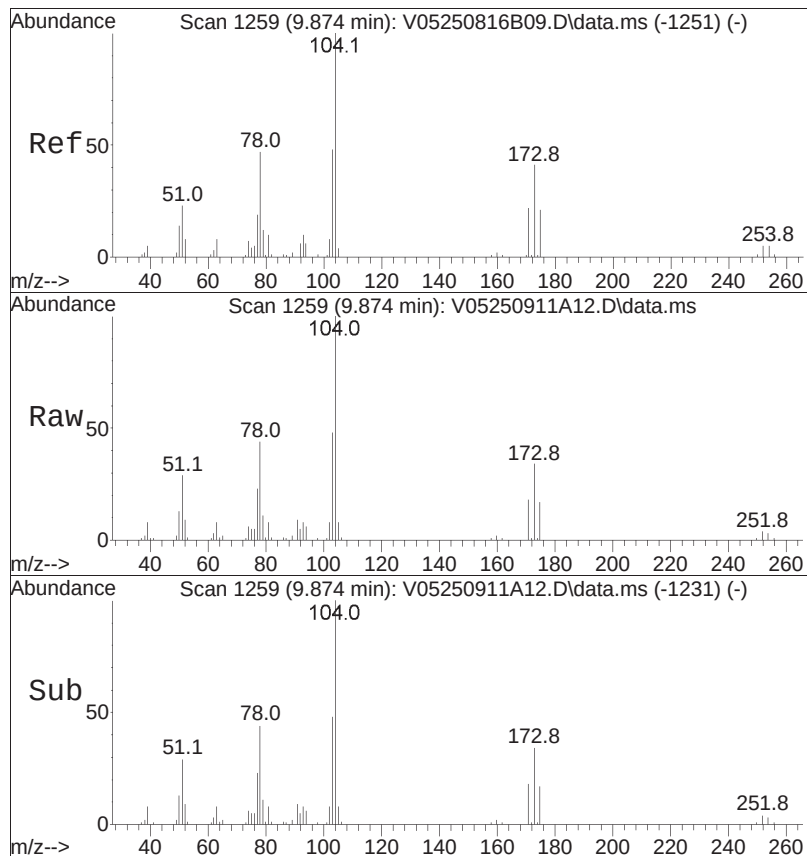
Tgt Ion:104 Resp: 442993

Ion Ratio Lower Upper

104 100

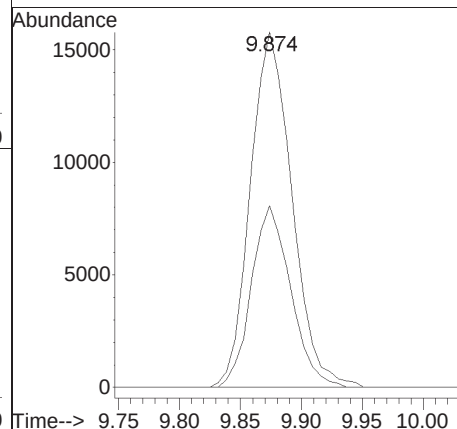
78 48.0 40.6 61.0

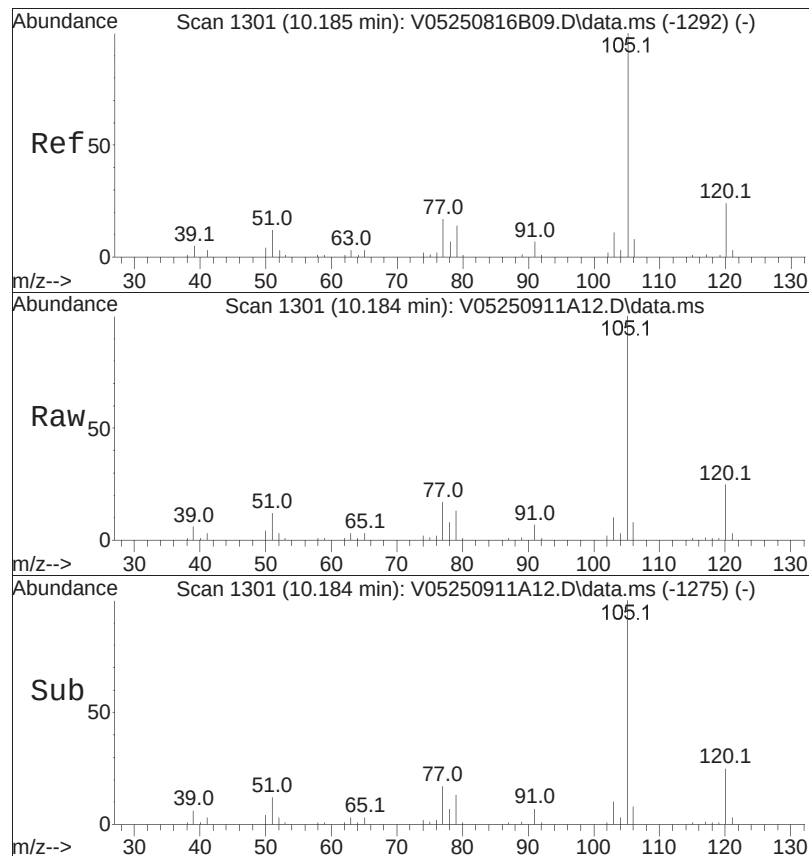




#80
 Bromoform
 Concen: 9.20 ug/L
 RT: 9.874 min Scan# 1259
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

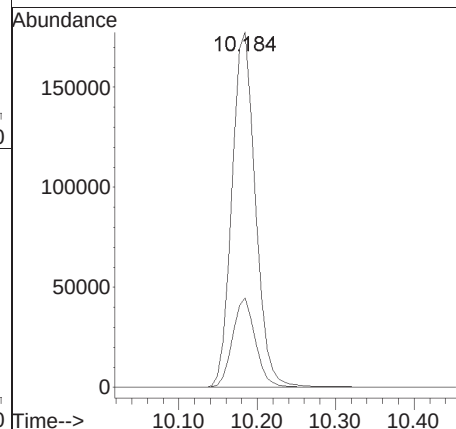
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	28.5	68.5

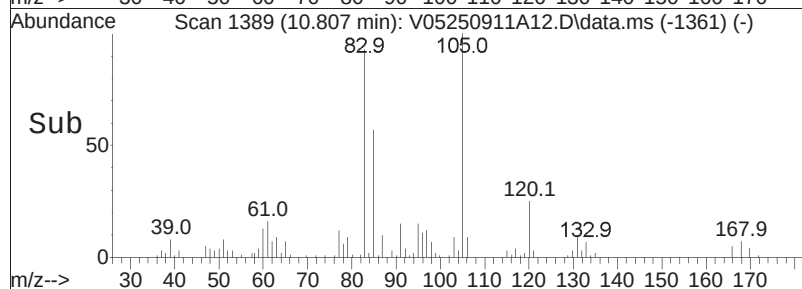
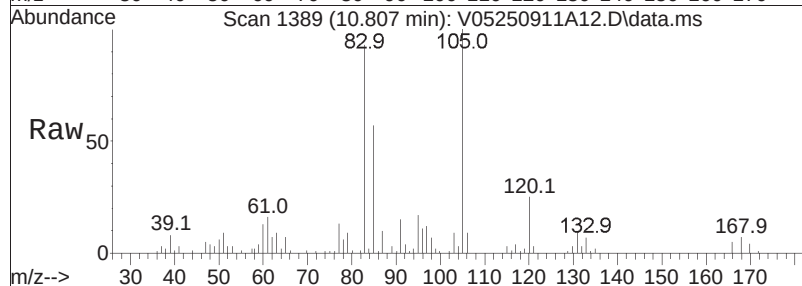
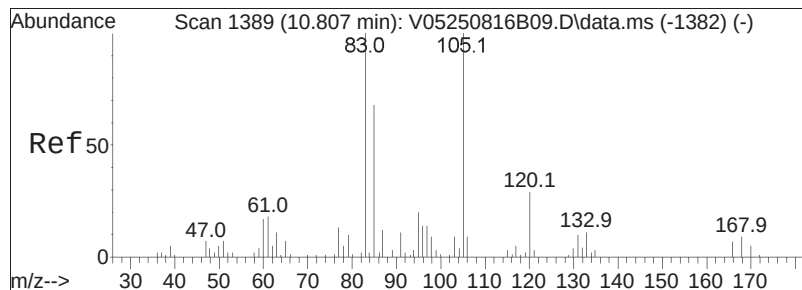




#82
 Isopropylbenzene
 Concen: 11.12 ug/L
 RT: 10.184 min Scan# 1301
 Delta R.T. -0.001 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

Tgt	Ion	Ratio	Lower	Upper
105	100			
120	24.5	4.3	44.3	





#87

1,1,2,2-Tetrachloroethane

Concen: 11.04 ug/L

RT: 10.807 min Scan# 1389

Delta R.T. -0.000 min

Lab File: V05250911A12.D

Acq: 11 Sep 2025 11:58 am

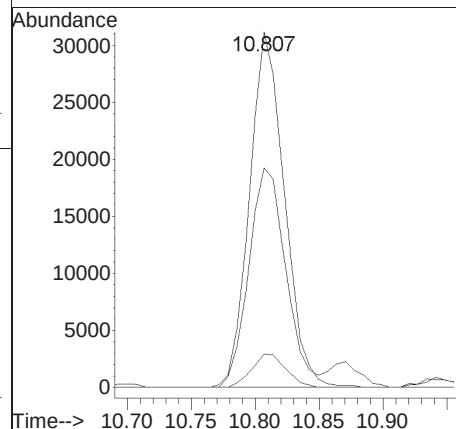
Tgt Ion: 83 Resp: 59103

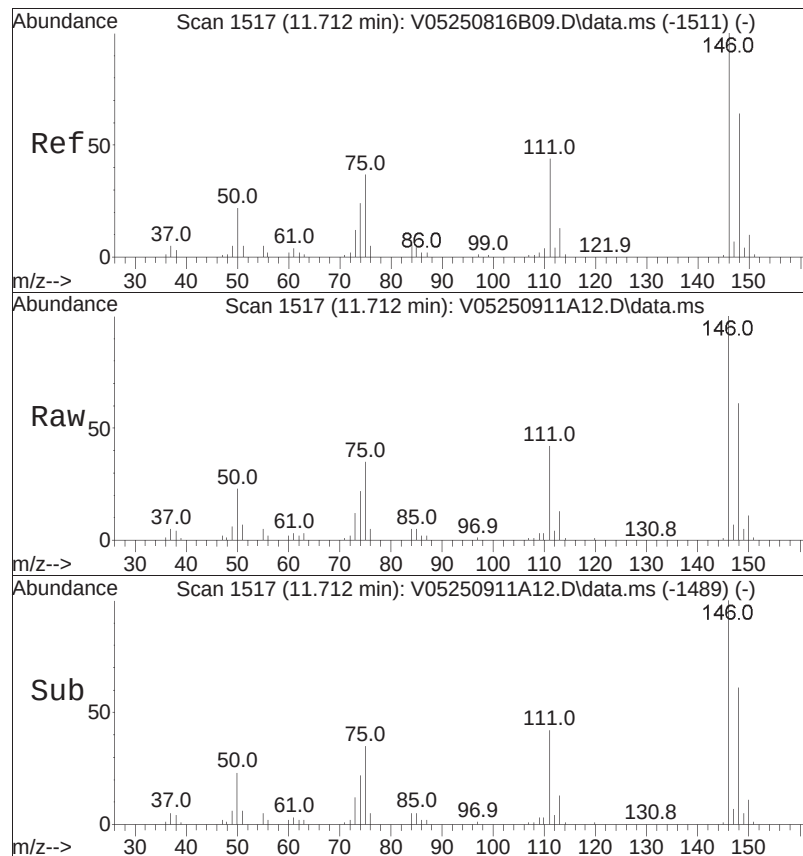
Ion Ratio Lower Upper

83 100

131 9.2 0.0 31.1

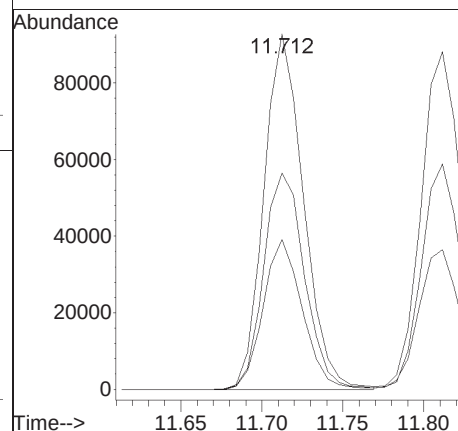
85 65.6 47.7 87.7

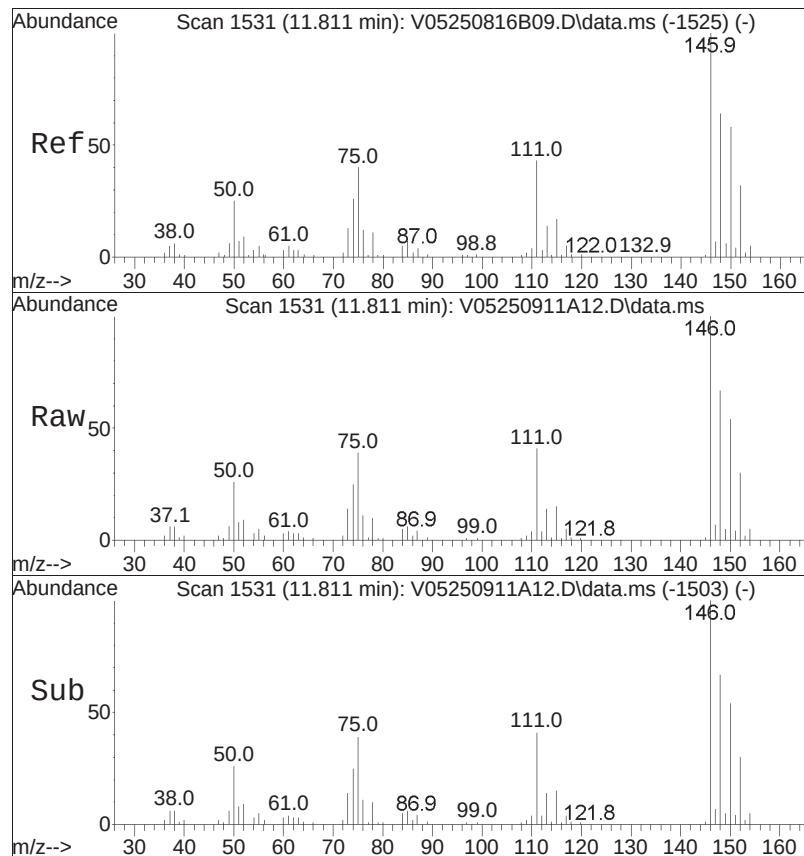




#100
 1,3-Dichlorobenzene
 Concen: 11.03 ug/L
 RT: 11.712 min Scan# 1517
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

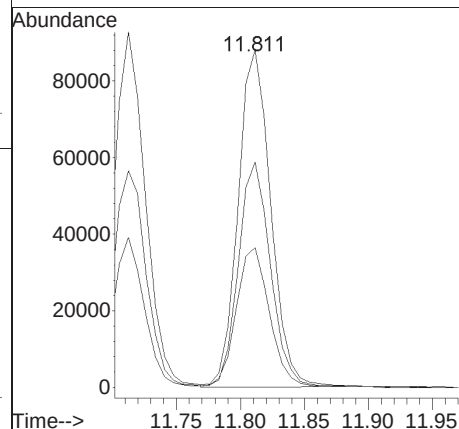
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	28.1	58.5
148	62.9	41.5	86.1

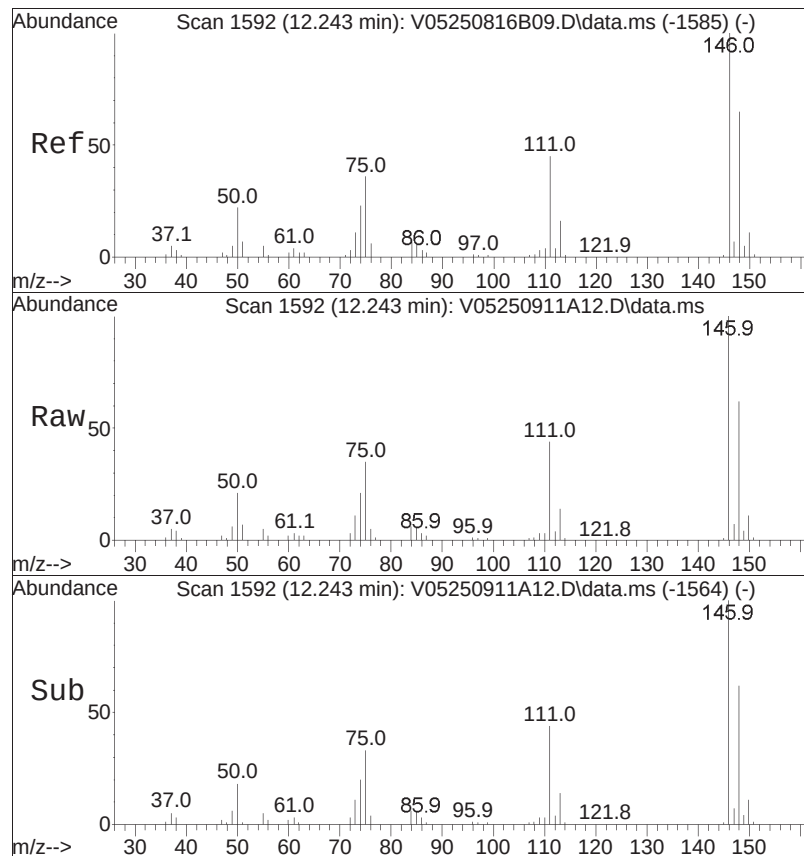




#101
 1,4-Dichlorobenzene
 Concen: 10.77 ug/L
 RT: 11.811 min Scan# 1531
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

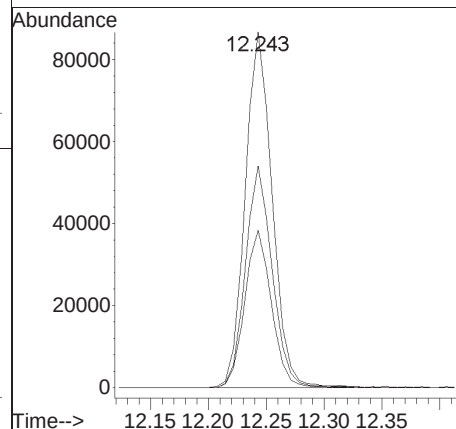
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	34.9	52.3
148	66.4	51.5	77.3

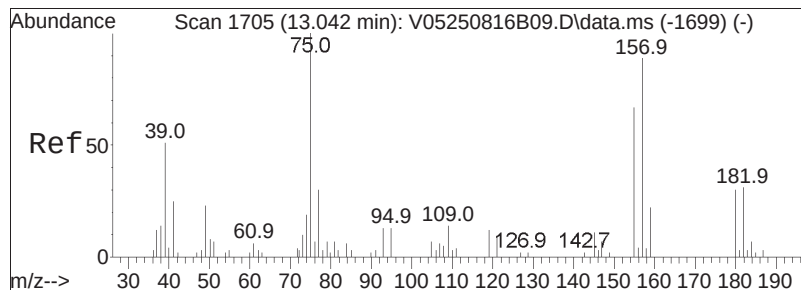




#104
 1,2-Dichlorobenzene
 Concen: 10.92 ug/L
 RT: 12.243 min Scan# 1592
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

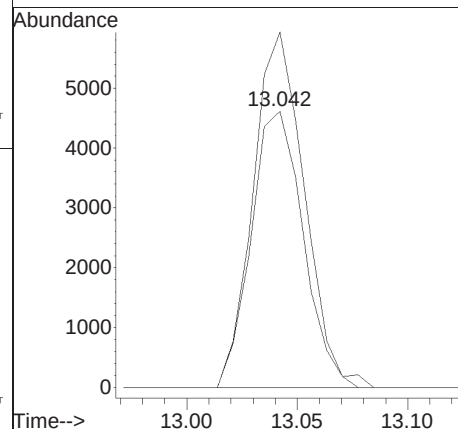
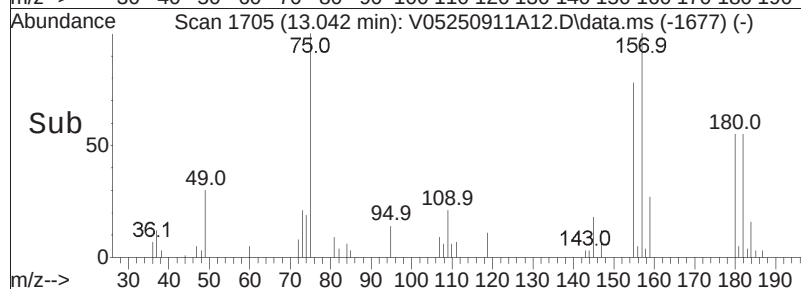
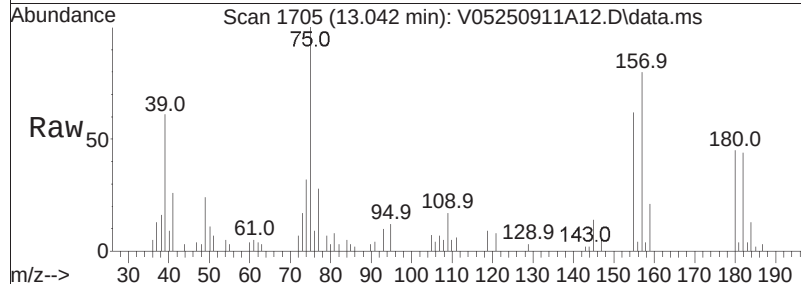
Tgt	Ion:146	Resp:	140435
Ion	Ratio	Lower	Upper
146	100		
111	43.6	29.4	61.0
148	61.9	41.0	85.2

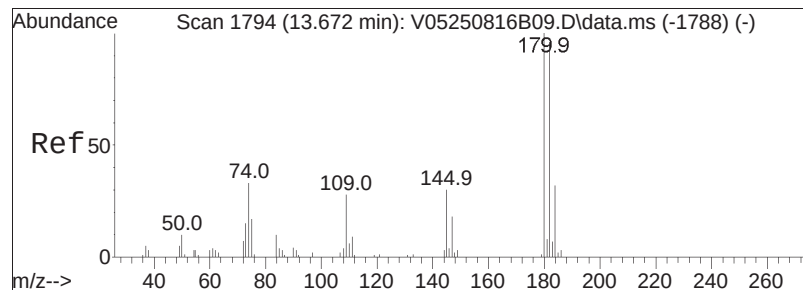




#106
 1,2-Dibromo-3-chloropropane
 Concen: 8.31 ug/L
 RT: 13.042 min Scan# 1705
 Delta R.T. 0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

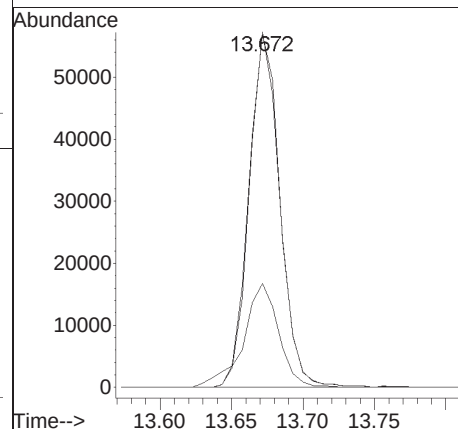
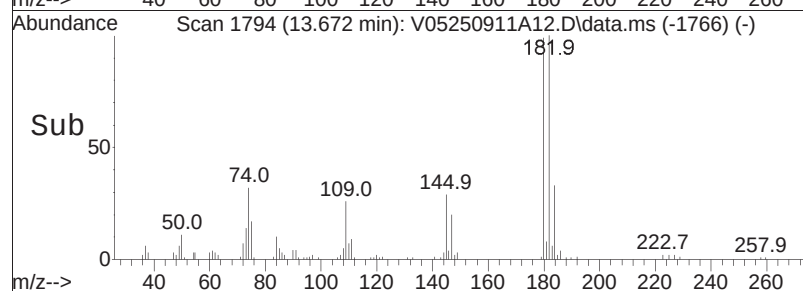
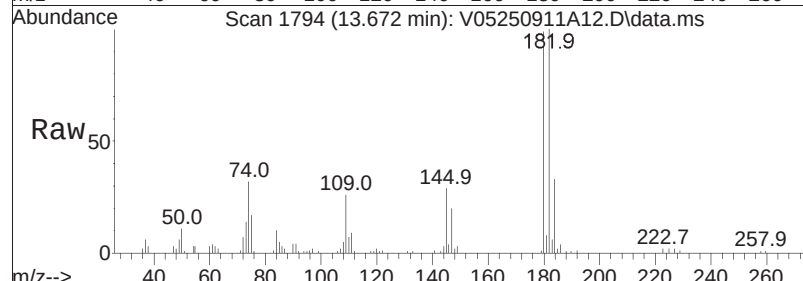
Tgt Ion	Ratio	Lower	Upper
155	100		
157	126.4	106.2	159.4

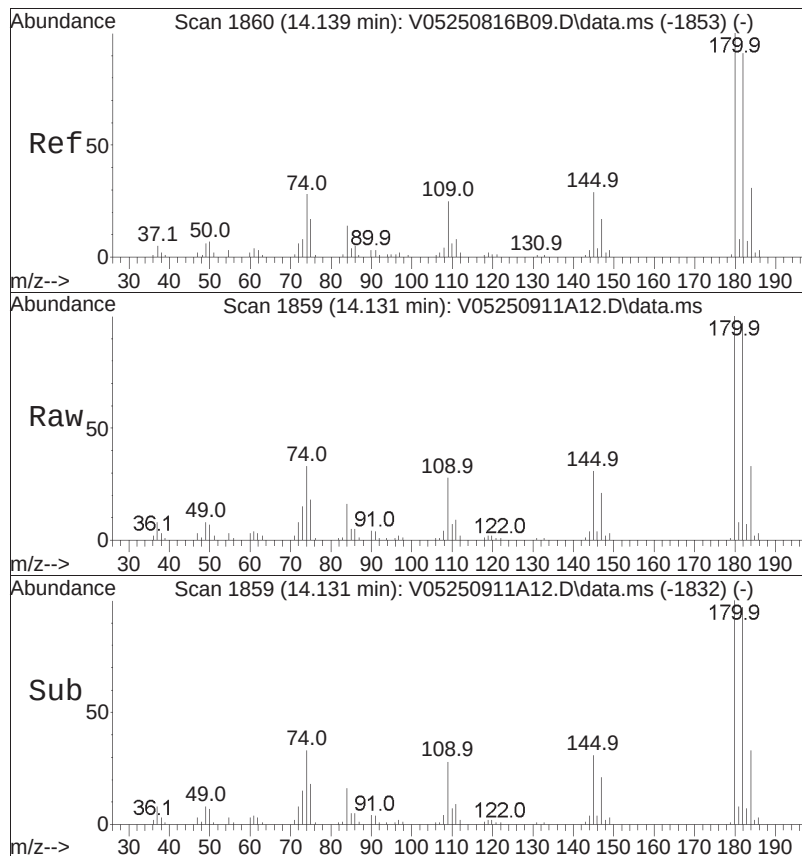




#109
 1,2,4-Trichlorobenzene
 Concen: 9.79 ug/L
 RT: 13.672 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

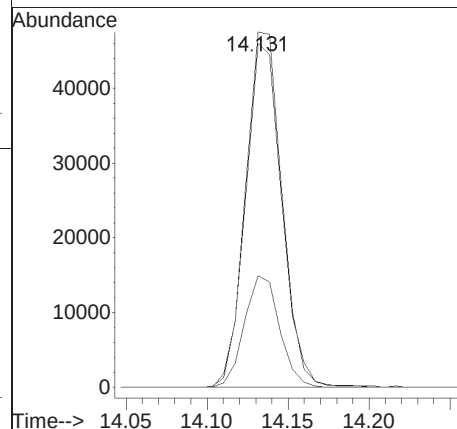
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.9	113.9
145	33.1	26.4	39.6





#111
 1,2,3-Trichlorobenzene
 Concen: 9.76 ug/L
 RT: 14.131 min Scan# 1859
 Delta R.T. -0.008 min
 Lab File: V05250911A12.D
 Acq: 11 Sep 2025 11:58 am

Tgt Ion:	180	Resp:	74497
Ion Ratio	Lower	Upper	
180	100		
182	96.2	74.3	111.5
145	30.4	23.8	35.8



Manual Integration Report

Data Path	: K:\V0A105\2025\250911A\	QMethod	: V105_250816B_8260.m
Data File	: V05250911A12.D	Operator	: V0A105:mjv
Date Inj'd	: 9/11/2025 11:58 am	Instrument	: V0A105
Sample	: WG2113542-7,31,10,10,,A2	Quant Date	: 9/11/2025 1:58 pm

There are no manual integrations or false positives in this file.

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * Uf * (1/Vo)$

Where:

DF = Dilution Factor

Vo = Sample Volume Purged (mL)

Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: $Amt * DF * (1/Wt)$

Where:

DF = Dilution Factor

Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Sep 11 2025, 02:55 pm

Work Group: WG2113365 for Department: 31 GC/MS - Volatiles

Created: 11-SEP-25 Due: Operator: MJV

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2554890-01	WC-090225	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-03	MW-22	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-04	MW-69	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-05	MW-70	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-07	MW-100	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-08	MW-101	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-09	MW-104	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-11	MW-107	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-12	MW-105	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-13	MW-108	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-14	MW-103	S NYTCL-8260	WATER	DONE	U	0916	0911	S0	Vial-B
L2554891-16	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0912	0911	S0	Vial-B
L2555605-06	MW-12S	S NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2555605-07	MW-4S	S NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2555605-08	MW-4D2	S NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2555605-09	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
WG2113365-1	MS BFB Tune Standard	S NYTCL-8260	WATER	DONE	U				
WG2113365-2	Continuing Calibrati	S NYTCL-8260	WATER	DONE	U				
WG2113365-3	Laboratory Control S	S NYTCL-8260	WATER	DONE	U				
WG2113365-4	LCS Duplicate	S NYTCL-8260	WATER	DONE	U				
WG2113365-5	Laboratory Method Bl	S NYTCL-8260	WATER	DONE	U				
Comments:									
WG2113365-4	WG2113365-3								

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Sep 11 2025, 02:55 pm

Work Group: WG2113542 for Department: 31 GC/MS - Volatiles

Created: 11-SEP-25 Due: Operator: MJV

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2555333-01	TW-05-20250903	S NYTCL-8260	WATER	SEC	U	0917	0912	S0	Vial-B
L2555333-02	TW-02-20250903	S NYTCL-8260	WATER	SEC	U	0917	0912	S0	Vial-B
L2555605-01	MW-8S	S NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2555605-02	MW-8D	S NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2555605-03	MW-5D	S NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2555605-04	PZ-5	S NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2555605-05	MW-12D	S NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
WG2113542-1	MS BFB Tune Standard	S NYTCL-8260	WATER	DONE	U				
WG2113542-2	Continuing Calibrati	S NYTCL-8260	WATER	DONE	U				
WG2113542-3	Laboratory Control S	S NYTCL-8260	WATER	DONE	U				
WG2113542-4	LCS Duplicate	S NYTCL-8260	WATER	DONE	U				
WG2113542-5	Laboratory Method Bl	S NYTCL-8260	WATER	DONE	U				
WG2113542-6	Matrix Spike	S NYTCL-8260	WATER	DONE	U				
WG2113542-7	Matrix Spike Duplica	S NYTCL-8260	WATER	DONE	U				
Comments:									
WG2113542-4	WG2113542-3								
WG2113542-6	L2555605-02								
WG2113542-7	L2555605-02								

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N	3&5N;9;9A;N	.95.;=?F;Q#JÄÄ1	
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6	3&5N;9;9A;6	.95.;=?F;QNÄÄ1	
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#9	3&5N;9;9A#9	1>O	
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5N	3&5N;9;9A5N	*F>;Q#JÄÄ1	
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59	3&5N;9;9A59	*F>"5ÄÄ1	
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Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
 Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2111386-2 Analysis Date : 09/06/25 11:22 File ID : 111386-2
 LCSD Sample ID : WG2111386-3 Analysis Date : 09/06/25 11:43 File ID : 111386-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
3,3'-Dichlorobenzidine	20	14.	71	20	14.	72	1	40-140	30
2,4-Dinitrotoluene	20	15.	76	20	15.	75	1	48-143	30
2,6-Dinitrotoluene	20	15.	74	20	15.	74	0	40-140	30
4-Chlorophenyl phenyl ether	20	14.	72	20	14.	71	1	40-140	30
4-Bromophenyl phenyl ether	20	14.	72	20	14.	70	3	40-140	30
Bis(2-chloroisopropyl)ether	20	14.	72	20	14.	71	1	40-140	30
Bis(2-chloroethoxy)methane	20	15.	75	20	15.	74	1	40-140	30
Hexachlorocyclopentadiene	20	9.2	46	20	9.2	46	0	40-140	30
Isophorone	20	14.	72	20	15.	74	3	40-140	30
Nitrobenzene	20	14.	72	20	14.	72	0	40-140	30
NDPA/DPA	20	16.	78	20	15.	76	3	40-140	30
n-Nitrosodi-n-propylamine	20	16.	78	20	15.	75	4	29-132	30
Bis(2-ethylhexyl)phthalate	20	18.	88	20	16.	80	10	40-140	30
Butyl benzyl phthalate	20	17.	87	20	16.	82	6	40-140	30
Di-n-butylphthalate	20	16.	81	20	16.	78	4	40-140	30
Di-n-octylphthalate	20	18.	88	20	16.	82	7	40-140	30
Diethyl phthalate	20	15.	75	20	15.	73	3	40-140	30
Dimethyl phthalate	20	15.	75	20	15.	74	1	40-140	30
Biphenyl	20	14.	69	20	13.	66	4	40-140	30
4-Chloroaniline	20	9.0	45	20	11.	54	18	40-140	30
2-Nitroaniline	20	16.	81	20	16.	80	1	52-143	30
3-Nitroaniline	20	13.	64	20	14.	70	9	25-145	30
4-Nitroaniline	20	16.	80	20	15.	77	4	51-143	30
Dibenzofuran	20	15.	74	20	15.	73	1	40-140	30
1,2,4,5-Tetrachlorobenzene	20	12.	62	20	12.	59	5	2-134	30
Acetophenone	20	15.	75	20	15.	76	1	39-129	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
 Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2111386-2 Analysis Date : 09/06/25 11:22 File ID : 111386-2
 LCSD Sample ID : WG2111386-3 Analysis Date : 09/06/25 11:43 File ID : 111386-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
2,4,6-Trichlorophenol	20	16.	78	20	15.	75	4	30-130	30
p-Chloro-m-cresol	20	15.	77	20	16.	78	1	23-97	30
2-Chlorophenol	20	14.	72	20	14.	70	3	27-123	30
2,4-Dichlorophenol	20	15.	77	20	15.	76	1	30-130	30
2,4-Dimethylphenol	20	13.	66	20	14.	70	6	30-130	30
2-Nitrophenol	20	14.	73	20	14.	71	3	30-130	30
4-Nitrophenol	20	11.	57	20	11.	56	2	10-80	30
2,4-Dinitrophenol	20	12.	59	20	11.	57	3	20-130	30
4,6-Dinitro-o-cresol	20	13.	67	20	14.	68	1	20-164	30
Phenol	20	9.2	46	20	9.0	45	2	12-110	30
2-Methylphenol	20	14.	71	20	14.	70	1	30-130	30
3-Methylphenol/4-Methylphenol	20	14.	68	20	14.	69	1	30-130	30
2,4,5-Trichlorophenol	20	16.	78	20	16.	79	1	30-130	30
Carbazole	20	16.	82	20	16.	79	4	55-144	30
Atrazine	20	16.	81	20	17.	83	2	40-140	30
Benzaldehyde	20	24.	120	20	25.	123	2	40-140	30
Caprolactam	20	6.3	31	20	6.8	34	9	10-130	30



Matrix Spike Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2111386-4
 Matrix Spike Dup : WG2111386-5

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 Analysis Date : 09/06/25 15:39
 MS Analysis Date : 09/06/25 12:04
 MSD Analysis Date : 09/06/25 12:26

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
3,3'-Dichlorobenzidine	ND	20	14.	70	20	14.	70	0	40-140	30
2,4-Dinitrotoluene	ND	20	15.	75	20	14.	70	7	48-143	30
2,6-Dinitrotoluene	ND	20	14.	70	20	14.	70	0	40-140	30
4-Chlorophenyl phenyl ether	ND	20	14.	70	20	13.	65	7	40-140	30
4-Bromophenyl phenyl ether	ND	20	14.	70	20	14.	70	0	40-140	30
Bis(2-chloroisopropyl)ether	ND	20	15.	75	20	13.	65	14	40-140	30
Bis(2-chloroethoxy)methane	ND	20	15.	75	20	14.	70	7	40-140	30
Hexachlorocyclopentadiene	ND	20	11.J	55	20	9.8J	49	12	40-140	30
Isophorone	ND	20	15.	75	20	14.	70	7	40-140	30
Nitrobenzene	ND	20	15.	75	20	14.	70	7	40-140	30
NDPA/DPA	ND	20	15.	75	20	14.	70	7	40-140	30
n-Nitrosodi-n-propylamine	ND	20	16.	80	20	15.	75	6	29-132	30
Bis(2-ethylhexyl)phthalate	ND	20	16.	80	20	15.	75	6	40-140	30
Butyl benzyl phthalate	ND	20	16.	80	20	16.	80	0	40-140	30
Di-n-butylphthalate	ND	20	15.	75	20	15.	75	0	40-140	30
Di-n-octylphthalate	ND	20	16.	80	20	15.	75	6	40-140	30
Diethyl phthalate	ND	20	14.	70	20	14.	70	0	40-140	30
Dimethyl phthalate	ND	20	15.	75	20	14.	70	7	40-140	30
Biphenyl	ND	20	14.	70	20	13.	65	7	40-140	30
4-Chloroaniline	ND	20	11.	55	20	10.	50	10	40-140	30
2-Nitroaniline	ND	20	15.	75	20	15.	75	0	52-143	30
3-Nitroaniline	ND	20	14.	70	20	13.	65	7	25-145	30



Matrix Spike Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2111386-4
 Matrix Spike Dup : WG2111386-5

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 Analysis Date : 09/06/25 15:39
 MS Analysis Date : 09/06/25 12:04
 MSD Analysis Date : 09/06/25 12:26

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
4-Nitroaniline	ND	20	15.	75	20	14.	70	7	51-143	30
Dibenzofuran	ND	20	15.	75	20	14.	70	7	40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	13.	65	20	12.	60	8	2-134	30
Acetophenone	ND	20	16.	80	20	14.	70	13	39-129	30
2,4,6-Trichlorophenol	ND	20	15.	75	20	14.	70	7	30-130	30
p-Chloro-m-cresol	ND	20	16.	80	20	14.	70	13	23-97	30
2-Chlorophenol	ND	20	15.	75	20	14.	70	7	27-123	30
2,4-Dichlorophenol	ND	20	16.	80	20	15.	75	6	30-130	30
2,4-Dimethylphenol	ND	20	13.	65	20	13.	65	0	30-130	30
2-Nitrophenol	ND	20	16.	80	20	14.	70	13	30-130	30
4-Nitrophenol	ND	20	11.	55	20	10.	50	10	10-80	30
2,4-Dinitrophenol	ND	20	11.J	55	20	11.J	55	0	20-130	30
4,6-Dinitro-o-cresol	ND	20	13.	65	20	12.	60	8	20-164	30
Phenol	ND	20	23.	120 Q	20	8.7	44	90 Q	12-110	30
2-Methylphenol	ND	20	17.	85	20	13.	65	27	30-130	30
3-Methylphenol/4-Methylphenol	ND	20	14.	70	20	13.	65	7	30-130	30
2,4,5-Trichlorophenol	ND	20	15.	75	20	15.	75	0	30-130	30
Carbazole	ND	20	16.	80	20	15.	75	6	55-144	30
Atrazine	ND	20	15.	75	20	16.	80	6	40-140	30
Benzaldehyde	ND	20	25.	130	20	22.	110	13	40-140	30
Caprolactam	ND	20	6.6J	33	20	6.4J	32	3	10-130	30



Surrogate Recovery Summary

Form 2

Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2555605
Project Number: 2232.0006Y005
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-8S (L2555605-01)	39	29	58	55	52	62	0
MW-8D (L2555605-02)	47	34	64	60	59	67	0
MW-5D (L2555605-03)	43	32	61	59	54	66	0
PZ-5 (L2555605-04)	35	24	70	68	57	78	0
MW-12D (L2555605-05)	45	34	65	61	52	62	0
MW-12S (L2555605-06)	48	36	66	62	52	66	0
MW-4S (L2555605-07)	43	33	66	65	53	67	0
MW-4D2 (L2555605-08)	47	33	60	61	56	64	0
WG2111386-1BLANK	51	37	68	64	58	70	0
WG2111386-2LCS	57	45	75	69	74	76	0
WG2111386-3LCSD	55	42	74	69	71	74	0
MW-8DMS	59	45	76	71	69	69	0
MW-8DMSD	54	41	71	67	69	69	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-RVT



Method Blank Summary

Form 4

Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab Sample ID	: WG2111386-1	Lab File ID	: 111386-1
Instrument ID	: SV106	Extraction Date	: 09/06/25
Matrix	: WATER	Analysis Date	: 09/06/25 11:00
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2111386-2LCS	WG2111386-2	09/06/25 11:22
WG2111386-3LCSD	WG2111386-3	09/06/25 11:43
MW-8DMS	WG2111386-4	09/06/25 12:04
MW-8DMSD	WG2111386-5	09/06/25 12:26
MW-8S	L2555605-01	09/06/25 15:17
MW-8D	L2555605-02	09/06/25 15:39
MW-5D	L2555605-03	09/06/25 16:00
PZ-5	L2555605-04	09/06/25 16:22
MW-12D	L2555605-05	09/06/25 16:43
MW-12S	L2555605-06	09/06/25 17:04
MW-4S	L2555605-07	09/06/25 17:26
MW-4D2	L2555605-08	09/06/25 17:47

Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV106	Analysis Date : 08/27/25 19:04
Tune Standard : R2004584-28	Tune File ID : Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.8
68	Less than 2.0% of mass 69	0.4 (1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	50.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	23.7
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	71.6
443	15.0 - 24.0% of mass 442	13.8 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R2004584-9	ABNL9	08/27/25 20:12
ABNL8	R2004584-8	ABNL8	08/27/25 20:33
ABNL7	R2004584-7	ABNL7	08/27/25 21:03
ABNL6	R2004584-6	ABNL6	08/27/25 21:24
ABNL5	R2004584-5	ABNL5	08/27/25 21:46
ABNL4	R2004584-4	ABNL4	08/27/25 22:07
ABNL3	R2004584-3	ABNL3	08/27/25 22:28
ABNL2	R2004584-2	ABNL2	08/27/25 22:50
ABNL1	R2004584-1	ABNL1	08/27/25 23:11
ABN ICV Quant Report	R2004584-30	ABNICV	08/27/25 23:33



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV106	Analysis Date : 08/27/25 23:54
Tune Standard : R2004584-29	Tune File ID : Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39
68	Less than 2.0% of mass 69	0.7 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	51.4
197	Less than 2.0% of mass 198	0.3
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	22.7
365	Greater than 1.0% of mass 198	2.5
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	62.2
443	15.0 - 24.0% of mass 442	12.4 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
AP9L9	R2004584-27	AP9L9	08/28/25 00:16
AP9L8	R2004584-26	AP9L8	08/28/25 00:37
AP9L7	R2004584-25	AP9L7	08/28/25 00:58
AP9L6	R2004584-23	AP9L6	08/28/25 01:20
AP9L5	R2004584-24	AP9L5	08/28/25 01:41
AP9L4	R2004584-22	AP9L4	08/28/25 02:03
AP9L3	R2004584-21	AP9L3	08/28/25 02:24
AP9L2	R2004584-20	AP9L2	08/28/25 02:45
AP9L1	R2004584-19	AP9L1	08/28/25 03:07
ADPL9	R2004584-18	ADPL9	08/28/25 03:28
ADPL8	R2004584-17	ADPL8	08/28/25 03:50
ADPL7	R2004584-16	ADPL7	08/28/25 04:11
ADPL6	R2004584-15	ADPL6	08/28/25 04:32
ADPL5	R2004584-14	ADPL5	08/28/25 04:54
ADPL4	R2004584-13	ADPL4	08/28/25 05:15
ADPL3	R2004584-12	ADPL3	08/28/25 05:36
ADPL2	R2004584-11	ADPL2	08/28/25 05:58
ADPL1	R2004584-10	ADPL1	08/28/25 06:19
AP9 ICV Quant Rep	R2004584-32	AP9ICV	08/28/25 06:40
ADP ICV Quant Report	R2004584-31	ADPICV	08/28/25 07:02



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV106	Analysis Date : 09/06/25 07:01
Tune Standard : WG2111447-1	Tune File ID : DEG0906_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.8
68	Less than 2.0% of mass 69	0.7 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	50.8
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	22.8
365	Greater than 1.0% of mass 198	2.4
441	Present, but less than 24% of mass 442	16.7
442	Base Peak, or >50% of mass 198	64.7
443	15.0 - 24.0% of mass 442	12.7 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2111447-6TFACTOR-B	WG2111447-6	DEG0906	09/06/25 07:01
WG2111447-7TFACTOR-P	WG2111447-7	DEG0906	09/06/25 07:01
WG2111447-3CCAL	WG2111447-3	ABN0906	09/06/25 07:22
WG2111447-4CCAL	WG2111447-4	AP90906	09/06/25 07:44
WG2111447-5CCAL	WG2111447-5	ADP0906	09/06/25 08:06
WG2111386-1BLANK	WG2111386-1	111386-1	09/06/25 11:00
WG2111386-2LCS	WG2111386-2	111386-2	09/06/25 11:22
WG2111386-3LCSD	WG2111386-3	111386-3	09/06/25 11:43
WG2111386-4MS	WG2111386-4	111386-4	09/06/25 12:04
WG2111386-5MSD	WG2111386-5	111386-5	09/06/25 12:26
MW-8S	L2555605-01	55605-01	09/06/25 15:17
MW-8D	L2555605-02	55605-02	09/06/25 15:39
MW-5D	L2555605-03	55605-03	09/06/25 16:00
PZ-5	L2555605-04	55605-04	09/06/25 16:22
MW-12D	L2555605-05	55605-05	09/06/25 16:43
MW-12S	L2555605-06	55605-06	09/06/25 17:04
MW-4S	L2555605-07	55605-07	09/06/25 17:26
MW-4D2	L2555605-08	55605-08	09/06/25 17:47



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Sample No : WG2111447-3

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Analysis Date : 09/06/25 07:22:00
 Lab File ID : ABN0906

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2111447-3	34864	4.26	139947	5.53	79965	7.26
Upper Limit	69728	4.76	279894	6.03	159930	7.76
Lower Limit	17432	3.76	69974	5.03	39983	6.76
Sample ID						
WG2111447-4 CCAL	36238	4.26	143351	5.53	82721	7.26
WG2111447-5 CCAL	36700	4.26	-	-	79942	7.26
WG2111386-1 BLANK	37669	4.26	150059	5.53	86805	7.26
WG2111386-2 LCS	40211	4.26	158659	5.53	92286	7.26
WG2111386-3 LCSD	41509	4.26	166161	5.53	96681	7.26
MW-8D MS	37172	4.26	149877	5.53	86457	7.26
MW-8D MSD	39250	4.26	157754	5.53	92047	7.27
MW-8S	40060	4.27	158205	5.54	92395	7.27
MW-8D	37986	4.27	149743	5.54	85642	7.27
MW-5D	39111	4.27	150025	5.54	86804	7.27
PZ-5	40399	4.26	163320	5.54	93315	7.27
MW-12D	39001	4.26	155514	5.53	90742	7.26
MW-12S	38757	4.26	153778	5.53	89691	7.26
MW-4S	38140	4.26	150491	5.53	86246	7.26
MW-4D2	42137	4.26	164766	5.53	94808	7.26

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Sample No : WG2111447-3

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Analysis Date : 09/06/25 07:22:00
 Lab File ID : ABN0906

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2111447-3	150523	8.71	150493	11.34	165387	12.81
Upper Limit	301046	9.21	300986	11.84	330774	13.31
Lower Limit	75262	8.21	75247	10.84	82694	12.31
Sample ID						
WG2111447-4 CCAL	162705	8.71	-	-	-	-
WG2111447-5 CCAL	156914	8.71	-	-	-	-
WG2111386-1 BLANK	166419	8.71	160096	11.35	186381	12.81
WG2111386-2 LCS	176903	8.71	171079	11.35	193553	12.81
WG2111386-3 LCSD	184854	8.71	180095	11.34	206874	12.81
MW-8D MS	164489	8.71	160350	11.35	182800	12.81
MW-8D MSD	175549	8.71	170516	11.35	193721	12.81
MW-8S	179519	8.72	176240	11.35	200421	12.81
MW-8D	168253	8.72	165545	11.35	188919	12.81
MW-5D	168978	8.72	165133	11.35	190759	12.81
PZ-5	180286	8.71	176309	11.35	202208	12.81
MW-12D	177919	8.71	174757	11.35	202700	12.81
MW-12S	169819	8.71	166212	11.35	190381	12.81
MW-4S	166908	8.71	163904	11.35	189818	12.81
MW-4D2	183274	8.71	179355	11.35	207253	12.81

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container / Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	
Acenaphthene	83-32-9	2	0.403	ug/l	37-111	30	37-111	30	30		
Benzidine	92-87-5	20	6.01	ug/l	10-75	30	10-75	30	30		
1,2,4-Trichlorobenzene	120-82-1	5	0.977	ug/l	39-98	30	39-98	30	30		
Hexachlorobenzene	118-74-1	2	0.452	ug/l	40-140	30	40-140	30	30		
Bis(2-chloroethyl)ether	111-44-4	2	0.392	ug/l	40-140	30	40-140	30	30		
2-Chloronaphthalene	91-58-7	2	0.35	ug/l	40-140	30	40-140	30	30		
1,2-Dichlorobenzene	95-50-1	2	0.329	ug/l	40-140	30	40-140	30	30		
1,3-Dichlorobenzene	541-73-1	2	0.315	ug/l	40-140	30	40-140	30	30		
1,4-Dichlorobenzene	106-46-7	2	0.391	ug/l	36-97	30	36-97	30	30		
3,3'-Dichlorobenzidine	91-94-1	5	1.85	ug/l	40-140	30	40-140	30	30		
2,4-Dinitrotoluene	121-14-2	5	0.541	ug/l	48-143	30	48-143	30	30		
2,6-Dinitrotoluene	606-20-2	5	0.845	ug/l	40-140	30	40-140	30	30		
Azobenzene	122-66-7	2	0.418	ug/l	40-140	30	40-140	30	30		
Fluoranthene	206-44-0	2	0.411	ug/l	40-140	30	40-140	30	30		
4-Chlorophenyl phenyl ether	7005-72-3	2	0.386	ug/l	40-140	30	40-140	30	30		
4-Bromophenyl phenyl ether	101-55-3	2	0.244	ug/l	40-140	30	40-140	30	30		
Bis(2-chloroisopropyl)ether	108-60-1	2	0.403	ug/l	40-140	30	40-140	30	30		
Bis(2-chloroethoxy)methane	111-91-1	5	0.842	ug/l	40-140	30	40-140	30	30		
Hexachlorobutadiene	87-68-3	2	0.355	ug/l	40-140	30	40-140	30	30		
Hexachlorocyclopentadiene	77-47-4	20	1.23	ug/l	40-140	30	40-140	30	30		
Hexachloroethane	67-72-1	2	0.203	ug/l	40-140	30	40-140	30	30		
Isophorone	78-59-1	5	0.862	ug/l	40-140	30	40-140	30	30		
Naphthalene	91-20-3	2	0.542	ug/l	40-140	30	40-140	30	30		
Nitrobenzene	98-95-3	2	0.205	ug/l	40-140	30	40-140	30	30		
Nitrosodiphenylamine (NDPA) / DPA	86-30-6	2	0.924	ug/l	40-140	30	40-140	30	30		
n-Nitrosodi-n-propylamine	621-64-7	5	0.906	ug/l	29-132	30	29-132	30	30		
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.42	ug/l	40-140	30	40-140	30	30		
Butyl benzyl phthalate	85-68-7	5	2.61	ug/l	40-140	30	40-140	30	30		
D-n-butylphthalate	84-74-2	5	0.957	ug/l	40-140	30	40-140	30	30		
Di-n-octylphthalate	117-84-0	5	2.26	ug/l	40-140	30	40-140	30	30		
Diethyl phthalate	84-66-2	5	0.765	ug/l	40-140	30	40-140	30	30		
Dimethyl phthalate	131-11-3	5	0.916	ug/l	40-140	30	40-140	30	30		
Benzo(a)anthracene	56-55-3	2	0.323	ug/l	40-140	30	40-140	30	30		
Benzo(a)pyrene	50-32-8	2	0.368	ug/l	40-140	30	40-140	30	30		
Benzo(b)fluoranthene	205-99-2	2	0.533	ug/l	40-140	30	40-140	30	30		
Benzo(k)fluoranthene	207-08-9	2	0.621	ug/l	40-140	30	40-140	30	30		
Chrysene	218-01-9	2	0.222	ug/l	40-140	30	40-140	30	30		
Acenaphthylene	208-96-8	2	0.315	ug/l	45-123	30	45-123	30	30		
Anthracene	120-12-7	2	0.467	ug/l	40-140	30	40-140	30	30		
Benzo(ghi)perylene	191-24-2	2	0.369	ug/l	40-140	30	40-140	30	30		
Fluorene	86-73-7	2	0.439	ug/l	40-140	30	40-140	30	30		
Phenanthrene	85-01-8	2	0.419	ug/l	40-140	30	40-140	30	30		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Solids only)
Please Note that the information provided in this table is subject to change at any time at the discretion of Pace Analytical Services.



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ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container /Sample Preservation: 2 - Amber 100ml unpreserved

[illegible]

Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



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Semivolatile Sample Data

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-01
 Client ID : MW-8S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55605-01
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 09:38
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 15:17
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-01 Client ID : MW-8S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 55605-01 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 09:38 Date Received : 09/04/25 Date Analyzed : 09/06/25 15:17 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : JG Instrument ID : SV106 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
---	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-02
 Client ID : MW-8D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55605-02
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 08:45
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 15:39
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-02 Client ID : MW-8D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 55605-02 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 08:45 Date Received : 09/04/25 Date Analyzed : 09/06/25 15:39 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : JG Instrument ID : SV106 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-03
 Client ID : MW-5D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55605-03
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 10:50
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 16:00
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-03
 Client ID : MW-5D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55605-03
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 10:50
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 16:00
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-04
 Client ID : PZ-5
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55605-04
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 11:00
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 16:22
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-04
 Client ID : PZ-5
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55605-04
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 11:00
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 16:22
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-05 Client ID : MW-12D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 55605-05 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 12:12 Date Received : 09/04/25 Date Analyzed : 09/06/25 16:43 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : JG Instrument ID : SV106 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-05
 Client ID : MW-12D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55605-05
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 12:12
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 16:43
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-06 Client ID : MW-12S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 55605-06 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 12:15 Date Received : 09/04/25 Date Analyzed : 09/06/25 17:04 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : JG Instrument ID : SV106 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-06
 Client ID : MW-12S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55605-06
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 12:15
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 17:04
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-07
 Client ID : MW-4S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55605-07
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 13:30
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 17:26
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-07 Client ID : MW-4S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 55605-07 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 13:30 Date Received : 09/04/25 Date Analyzed : 09/06/25 17:26 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : JG Instrument ID : SV106 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-08
 Client ID : MW-4D2
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55605-08
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 13:40
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 17:47
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-08 Client ID : MW-4D2 Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 55605-08 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 13:40 Date Received : 09/04/25 Date Analyzed : 09/06/25 17:47 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : JG Instrument ID : SV106 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111386-1
 Client ID : WG2111386-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 111386-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/06/25 11:00
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111386-1
 Client ID : WG2111386-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 111386-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/06/25 11:00
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-01.D
 Acq On : 6 Sep 2025 3:17 pm
 Operator : SV106:jg
 Sample : L2555605-01,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 18:11:24 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.267	152	40060	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	114.90%		
27) IS2_1,4-Dichlorobenzen...	4.267	152	40060	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	110.55%		
35) IS1_Naphthalene-d8	5.535	136	158205	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	113.05%		
55) IS2_Naphthalene-d8	5.535	136	158205	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	110.36%		
63) IS1_Acenaphthene-d10	7.266	164	92395	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	115.54%		
83) IS2_Acenaphthene-d10	7.266	164	92395	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	111.69%		
86) IS3_Acenaphthene-d10	7.266	164	92395	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	115.58%		
88) IS1_Phenanthrene-d10	8.715	188	179519	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	119.26%		
100) IS3_Phenanthrene-d10	8.715	188	179519	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	114.41%		
104) IS1_Chrysene-d12	11.353	240	176240	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	117.11%		
113) IS1_Perylene-d12	12.814	264	200421	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	121.18%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.937	112	8744	0.789	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	39.45%		
7) Phenol-d6	3.962	99	7683	0.582	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	29.10%		
19) Nitrobenzene-d5	4.829	82	7060	0.575	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	57.50%		
46) 2-Fluorobiphenyl	6.635	172	17792	0.548	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	54.80%		
79) 2,4,6-Tribromophenol	8.040	330	4642	1.036	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	51.80%		
96) 4-Terphenyl-d14	10.321	244	27346	0.620	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	62.00%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-01.D
 Acq On : 6 Sep 2025 3:17 pm
 Operator : SV106:jg
 Sample : L2555605-01,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 18:11:24 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-01.D
 Acq On : 6 Sep 2025 3:17 pm
 Operator : SV106:jg
 Sample : L2555605-01,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 18:11:24 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

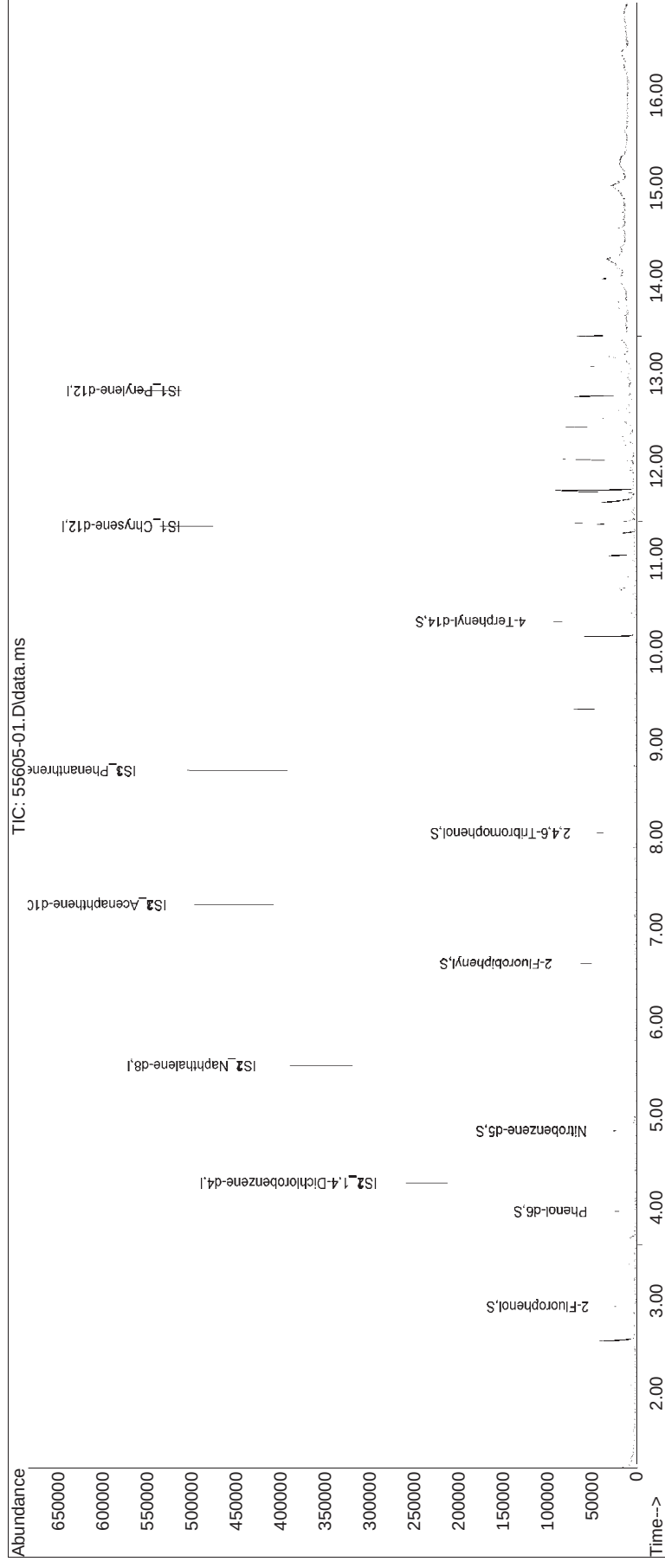
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-01.D
 Acq On : 6 Sep 2025 3:17 pm
 Operator : SV106:jg
 Sample : L2555605-01,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 18:11:24 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : 8270IC\827006\SV106\250906RVT\WP90906.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: 55605-01.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 3:17 pm	Instrument	: SV 106
Sample	: L2555605-01,32,,gmr	Quant Date	: 9/6/2025 3:35 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-02.D
 Acq On : 6 Sep 2025 3:39 pm
 Operator : SV106:jg
 Sample : L2555605-02,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 18:12:26 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.267	152	37986	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	108.95%		
27) IS2_1,4-Dichlorobenzen...	4.267	152	37986	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	104.82%		
35) IS1_Naphthalene-d8	5.535	136	149743	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	107.00%		
55) IS2_Naphthalene-d8	5.535	136	149743	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	104.46%		
63) IS1_Acenaphthene-d10	7.266	164	85642	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	107.10%		
83) IS2_Acenaphthene-d10	7.266	164	85642	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	103.53%		
86) IS3_Acenaphthene-d10	7.266	164	85642	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	107.13%		
88) IS1_Phenanthrene-d10	8.715	188	168253	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	111.78%		
100) IS3_Phenanthrene-d10	8.715	188	168253	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	107.23%		
104) IS1_Chrysene-d12	11.350	240	165545	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	110.00%		
113) IS1_Perylene-d12	12.811	264	188919	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	114.23%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.934	112	9927	0.945	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	47.25%		
7) Phenol-d6	3.962	99	8449	0.675	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	33.75%		
19) Nitrobenzene-d5	4.829	82	7459	0.640	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	64.00%		
46) 2-Fluorobiphenyl	6.635	172	18335	0.597	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	59.70%		
79) 2,4,6-Tribromophenol	8.043	330	4892	1.178	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	58.90%		
96) 4-Terphenyl-d14	10.322	244	27624	0.669	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	66.90%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-02.D
 Acq On : 6 Sep 2025 3:39 pm
 Operator : SV106:jg
 Sample : L2555605-02,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 18:12:26 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-02.D
 Acq On : 6 Sep 2025 3:39 pm
 Operator : SV106:jg
 Sample : L2555605-02,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 18:12:26 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

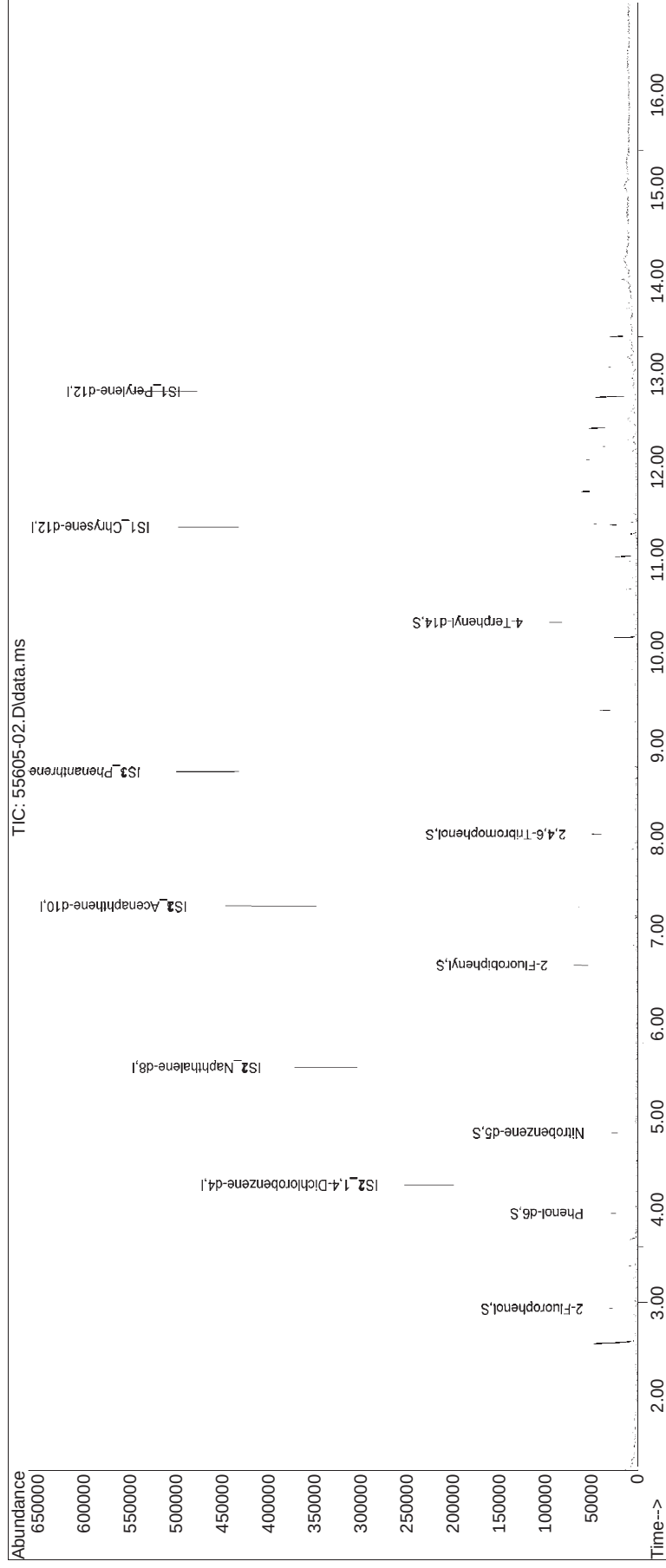
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-02.D
 Acq On : 6 Sep 2025 3:39 pm
 Operator : SV106:jg
 Sample : L2555605-02,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 18:12:26 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : 8270IC\827006\SV106\250906RVT\WP90906.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: 55605-02.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 3:39 pm	Instrument	: SV 106
Sample	: L2555605-02,32,,gmr	Quant Date	: 9/6/2025 3:56 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-03.D
 Acq On : 6 Sep 2025 4:00 pm
 Operator : SV106:jg
 Sample : L2555605-03,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 18:12:38 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.267	152	39111	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	112.18%		
27) IS2_1,4-Dichlorobenzen...	4.267	152	39111	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	107.93%		
35) IS1_Naphthalene-d8	5.535	136	150025	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	107.20%		
55) IS2_Naphthalene-d8	5.535	136	150025	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	104.66%		
63) IS1_Acenaphthene-d10	7.266	164	86804	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	108.55%		
83) IS2_Acenaphthene-d10	7.266	164	86804	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	104.94%		
86) IS3_Acenaphthene-d10	7.266	164	86804	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	108.58%		
88) IS1_Phenanthrene-d10	8.715	188	168978	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	112.26%		
100) IS3_Phenanthrene-d10	8.715	188	168978	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	107.69%		
104) IS1_Chrysene-d12	11.350	240	165133	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	109.73%		
113) IS1_Perylene-d12	12.811	264	190759	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	115.34%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.934	112	9202	0.851	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	42.55%		
7) Phenol-d6	3.962	99	8324	0.646	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	32.30%		
19) Nitrobenzene-d5	4.830	82	7316	0.610	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	61.00%		
46) 2-Fluorobiphenyl	6.635	172	18294	0.594	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	59.40%		
79) 2,4,6-Tribromophenol	8.043	330	4565	1.085	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	54.25%		
96) 4-Terphenyl-d14	10.318	244	27245	0.657	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	65.70%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-03.D
 Acq On : 6 Sep 2025 4:00 pm
 Operator : SV106:jg
 Sample : L2555605-03,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 18:12:38 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-03.D
 Acq On : 6 Sep 2025 4:00 pm
 Operator : SV106:jg
 Sample : L2555605-03,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 18:12:38 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

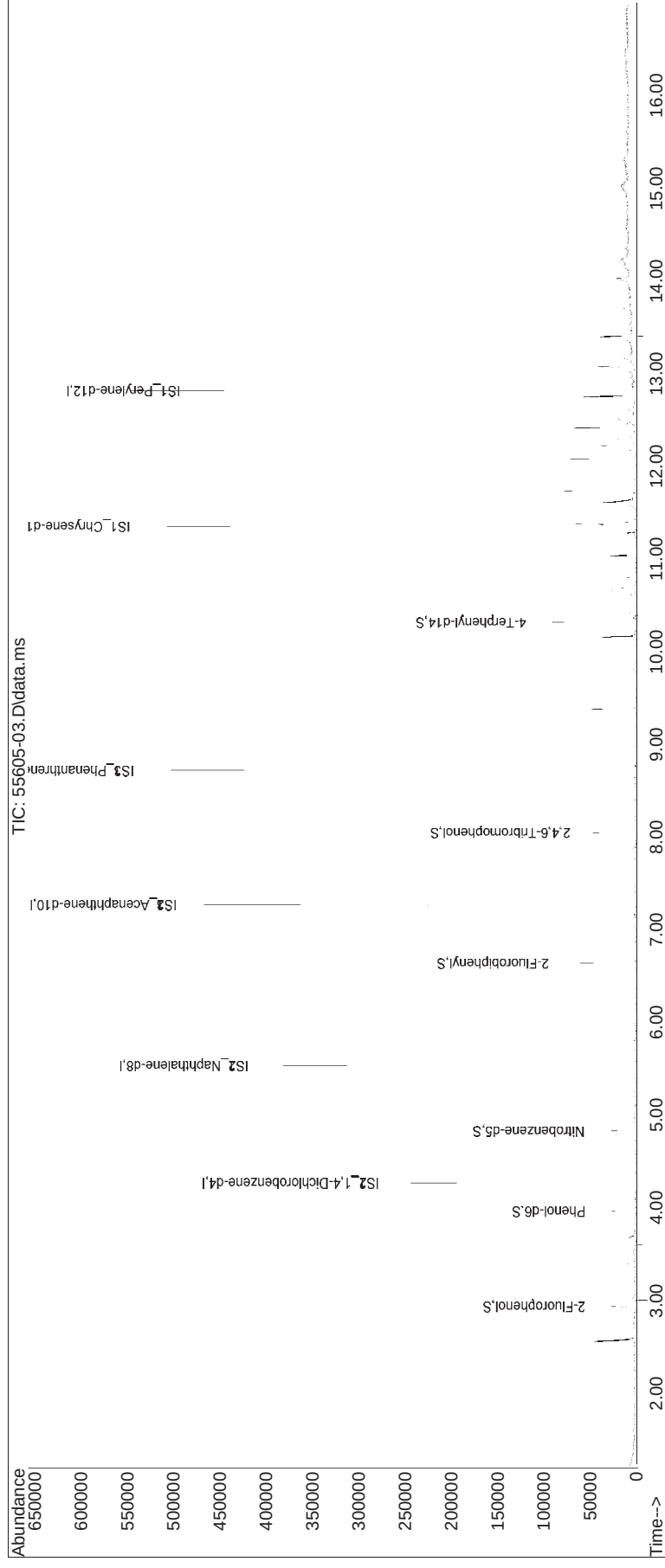
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-03.D
 Acq On : 6 Sep 2025 4:00 pm
 Operator : SV106:jg
 Sample : L2555605-03,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 18:12:38 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : 8270IC\827006\SV106\250906RVT\WP90906.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: 55605-03.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 4:00 pm	Instrument	: SV 106
Sample	: L2555605-03,32,,gmr	Quant Date	: 9/6/2025 4:18 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-04.D
 Acq On : 6 Sep 2025 4:22 pm
 Operator : SV106:jg
 Sample : L2555605-04,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 18:12:52 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.264	152	40399	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	115.88%		
27) IS2_1,4-Dichlorobenzen...	4.264	152	40399	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	111.48%		
35) IS1_Naphthalene-d8	5.535	136	163320	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	116.70%		
55) IS2_Naphthalene-d8	5.535	136	163320	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	113.93%		
63) IS1_Acenaphthene-d10	7.266	164	93315	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	116.69%		
83) IS2_Acenaphthene-d10	7.266	164	93315	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	112.81%		
86) IS3_Acenaphthene-d10	7.266	164	93315	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	116.73%		
88) IS1_Phenanthrene-d10	8.712	188	180286	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	119.77%		
100) IS3_Phenanthrene-d10	8.712	188	180286	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	114.89%		
104) IS1_Chrysene-d12	11.347	240	176309	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	117.15%		
113) IS1_Perylene-d12	12.808	264	202208	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	122.26%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.937	112	7795	0.698	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	34.90%		
7) Phenol-d6	3.959	99	6398	0.481	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	24.05%		
19) Nitrobenzene-d5	4.830	82	8639	0.697	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	69.70%		
46) 2-Fluorobiphenyl	6.635	172	22633	0.675	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	67.50%		
79) 2,4,6-Tribromophenol	8.040	330	5173	1.143	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	57.15%		
96) 4-Terphenyl-d14	10.318	244	34573	0.781	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	78.10%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-04.D
 Acq On : 6 Sep 2025 4:22 pm
 Operator : SV106:jg
 Sample : L2555605-04,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 18:12:52 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-04.D
 Acq On : 6 Sep 2025 4:22 pm
 Operator : SV106:jg
 Sample : L2555605-04,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 18:12:52 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

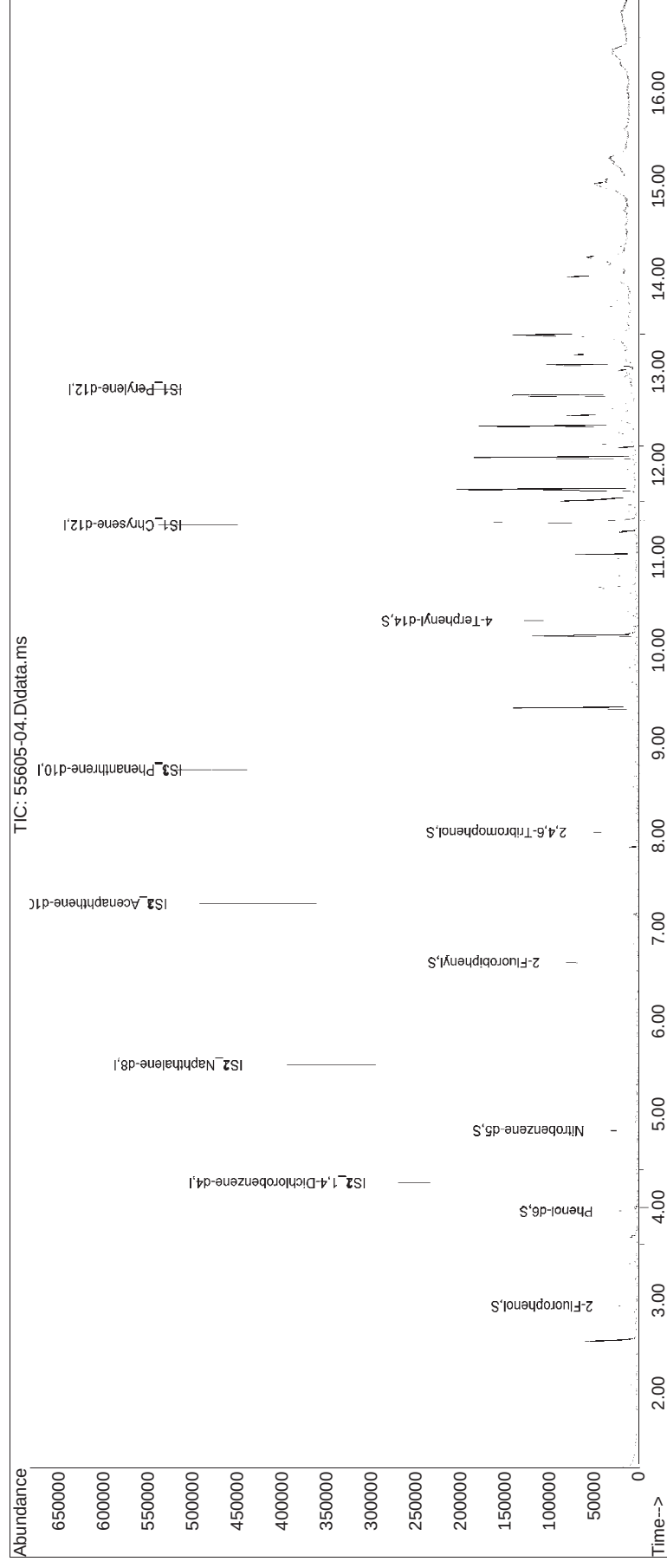
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-04.D
 Acq On : 6 Sep 2025 4:22 pm
 Operator : SV106:jg
 Sample : L2555605-04,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 18:12:52 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : 8270ITC\827006SVR001250906RVTXWP090906.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: 55605-04.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 4:22 pm	Instrument	: SV 106
Sample	: L2555605-04,32,,gmr	Quant Date	: 9/6/2025 4:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-05.D
 Acq On : 6 Sep 2025 4:43 pm
 Operator : SV106:jg
 Sample : L2555605-05,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 10 18:13:04 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.264	152	39001	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	111.87%		
27) IS2_1,4-Dichlorobenzen...	4.264	152	39001	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	107.62%		
35) IS1_Naphthalene-d8	5.532	136	155514	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	111.12%		
55) IS2_Naphthalene-d8	5.532	136	155514	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	108.48%		
63) IS1_Acenaphthene-d10	7.263	164	90742	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	113.48%		
83) IS2_Acenaphthene-d10	7.263	164	90742	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	109.70%		
86) IS3_Acenaphthene-d10	7.263	164	90742	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	113.51%		
88) IS1_Phenanthrene-d10	8.712	188	177919	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	118.20%		
100) IS3_Phenanthrene-d10	8.712	188	177919	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	113.39%		
104) IS1_Chrysene-d12	11.347	240	174757	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	116.12%		
113) IS1_Perylene-d12	12.808	264	202700	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	122.56%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.931	112	9692	0.899	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	44.95%		
7) Phenol-d6	3.956	99	8622	0.671	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	33.55%		
19) Nitrobenzene-d5	4.827	82	7760	0.649	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	64.90%		
46) 2-Fluorobiphenyl	6.632	172	19367	0.607	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	60.70%		
79) 2,4,6-Tribromophenol	8.037	330	4534	1.031	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	51.55%		
96) 4-Terphenyl-d14	10.319	244	27000	0.618	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	61.80%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-05.D
 Acq On : 6 Sep 2025 4:43 pm
 Operator : SV106:jg
 Sample : L2555605-05,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 10 18:13:04 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-05.D
 Acq On : 6 Sep 2025 4:43 pm
 Operator : SV106:jg
 Sample : L2555605-05,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 10 18:13:04 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

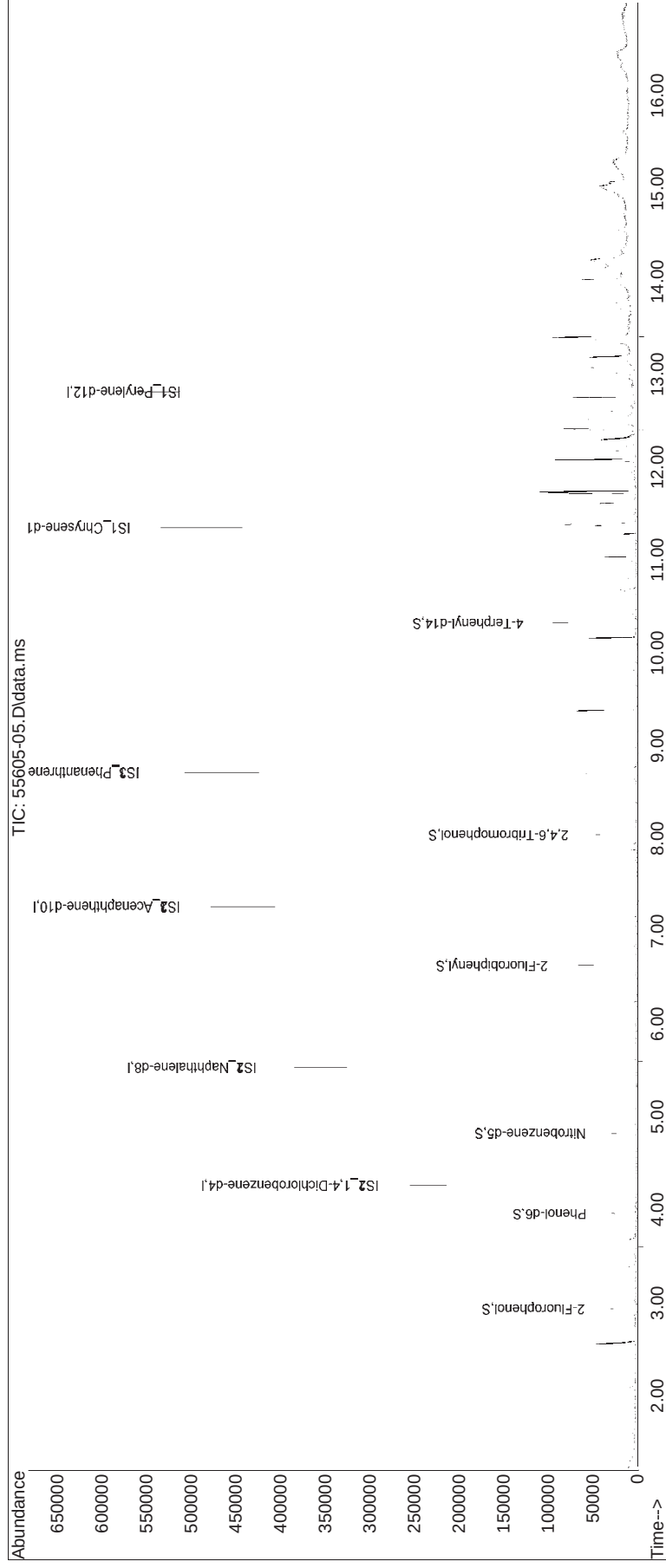
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-05.D
 Acq On : 6 Sep 2025 4:43 pm
 Operator : SV106:jg
 Sample : L2555605-05,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 10 18:13:04 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : 8270IC\827005\55605\250906RVT\WP90906.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: 55605-05.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 4:43 pm	Instrument	: SV 106
Sample	: L2555605-05,32,,gmr	Quant Date	: 9/6/2025 5:00 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-06.D
 Acq On : 6 Sep 2025 5:04 pm
 Operator : SV106:jg
 Sample : L2555605-06,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 10 18:13:16 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.264	152	38757	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	111.17%		
27) IS2_1,4-Dichlorobenzen...	4.264	152	38757	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	106.95%		
35) IS1_Naphthalene-d8	5.532	136	153778	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	109.88%		
55) IS2_Naphthalene-d8	5.532	136	153778	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	107.27%		
63) IS1_Acenaphthene-d10	7.263	164	89691	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	112.16%		
83) IS2_Acenaphthene-d10	7.263	164	89691	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	108.43%		
86) IS3_Acenaphthene-d10	7.263	164	89691	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	112.20%		
88) IS1_Phenanthrene-d10	8.712	188	169819	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	112.82%		
100) IS3_Phenanthrene-d10	8.712	188	169819	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	108.22%		
104) IS1_Chrysene-d12	11.347	240	166212	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	110.45%		
113) IS1_Perylene-d12	12.808	264	190381	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	115.11%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.931	112	10286	0.960	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.00%		
7) Phenol-d6	3.959	99	9176	0.719	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	35.95%		
19) Nitrobenzene-d5	4.827	82	7890	0.664	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	66.40%		
46) 2-Fluorobiphenyl	6.632	172	19644	0.623	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	62.30%		
79) 2,4,6-Tribromophenol	8.040	330	4514	1.038	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	51.90%		
96) 4-Terphenyl-d14	10.315	244	27535	0.660	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	66.00%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-06.D
 Acq On : 6 Sep 2025 5:04 pm
 Operator : SV106:jg
 Sample : L2555605-06,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 10 18:13:16 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-06.D
 Acq On : 6 Sep 2025 5:04 pm
 Operator : SV106:jg
 Sample : L2555605-06,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 10 18:13:16 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

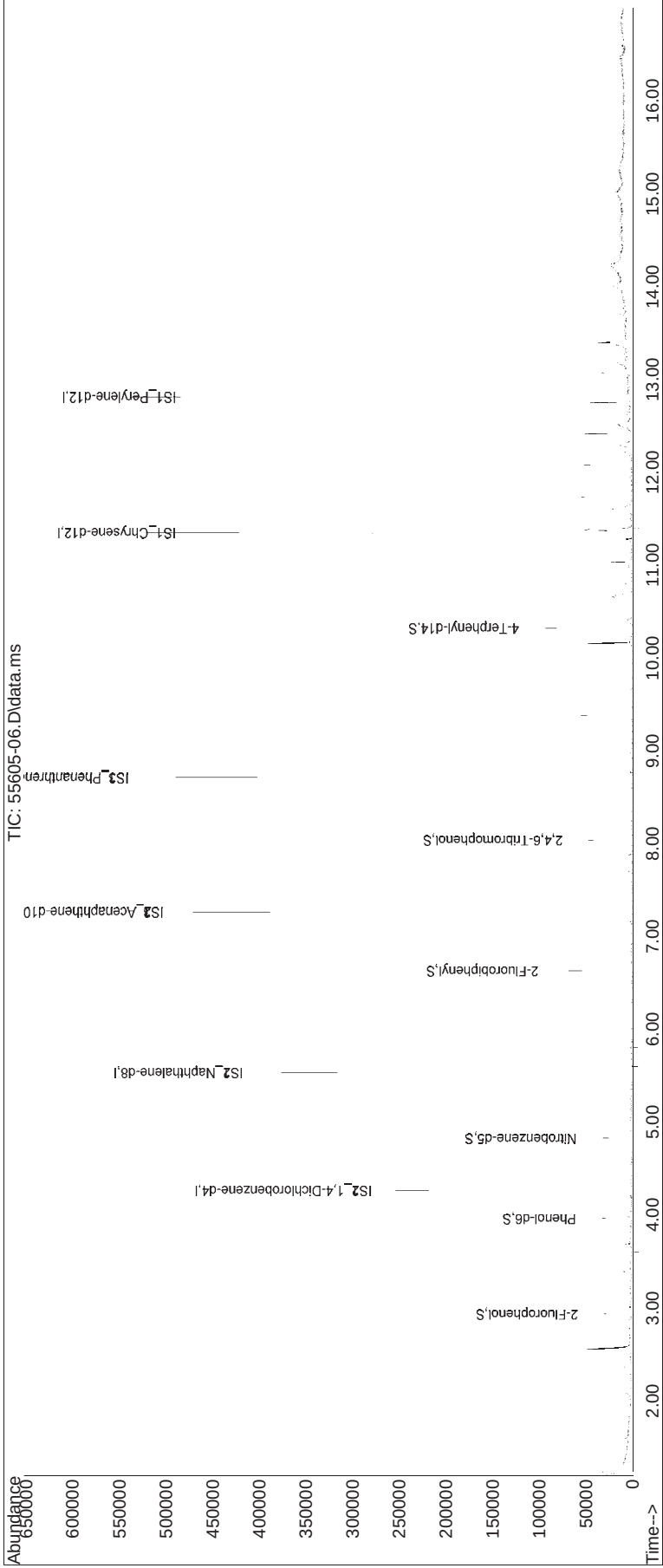
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
Data File : 55605-06.D
Acq On : 6 Sep 2025 5:04 pm
Operator : SV106:jg
Sample : L2555605-06,32,,gmr
Misc : WG2111447,WG2111386,ical22591
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 10 18:13:16 2025
Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Sat Sep 06 08:56:15 2025
Response via : Initial Calibration

Sub List : 8270IC\827006\SV106\250906RVT\WP90906.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: 55605-06.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 5:04 pm	Instrument	: SV 106
Sample	: L2555605-06,32,,gmr	Quant Date	: 9/6/2025 5:22 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-07.D
 Acq On : 6 Sep 2025 5:26 pm
 Operator : SV106:jg
 Sample : L2555605-07,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 10 18:13:28 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.264	152	38140	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	109.40%		
27) IS2_1,4-Dichlorobenzen...	4.264	152	38140	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	105.25%		
35) IS1_Naphthalene-d8	5.532	136	150491	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	107.53%		
55) IS2_Naphthalene-d8	5.532	136	150491	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	104.98%		
63) IS1_Acenaphthene-d10	7.263	164	86246	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	107.85%		
83) IS2_Acenaphthene-d10	7.263	164	86246	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	104.26%		
86) IS3_Acenaphthene-d10	7.263	164	86246	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	107.89%		
88) IS1_Phenanthrene-d10	8.712	188	166908	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	110.89%		
100) IS3_Phenanthrene-d10	8.712	188	166908	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	106.37%		
104) IS1_Chrysene-d12	11.347	240	163904	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	108.91%		
113) IS1_Perylene-d12	12.808	264	189818	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	114.77%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.930	112	9090	0.862	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.10%		
7) Phenol-d6	3.959	99	8379	0.667	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	33.35%		
19) Nitrobenzene-d5	4.826	82	7712	0.659	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	65.90%		
46) 2-Fluorobiphenyl	6.632	172	20130	0.652	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	65.20%		
79) 2,4,6-Tribromophenol	8.040	330	4443	1.063	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	53.15%		
96) 4-Terphenyl-d14	10.318	244	27615	0.674	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	67.40%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-07.D
 Acq On : 6 Sep 2025 5:26 pm
 Operator : SV106:jg
 Sample : L2555605-07,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 10 18:13:28 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-07.D
 Acq On : 6 Sep 2025 5:26 pm
 Operator : SV106:jg
 Sample : L2555605-07,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 10 18:13:28 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

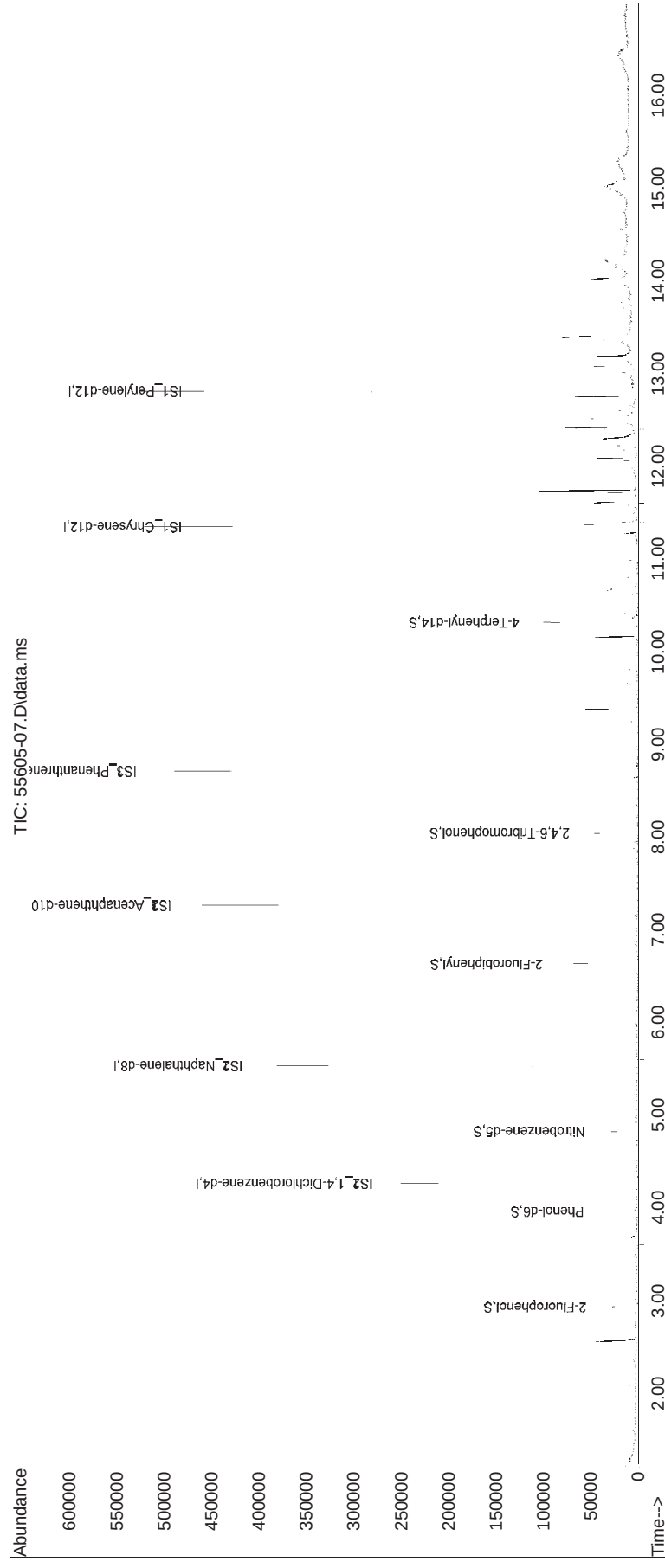
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-07.D
 Acq On : 6 Sep 2025 5:26 pm
 Operator : SV106:jg
 Sample : L2555605-07,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 10 18:13:28 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : 8270IC\827006\SV106\250906RVT\WP90906.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: 55605-07.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 5:26 pm	Instrument	: SV 106
Sample	: L2555605-07,32,,gmr	Quant Date	: 9/6/2025 5:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-08.D
 Acq On : 6 Sep 2025 5:47 pm
 Operator : SV106:jg
 Sample : L2555605-08,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 10 18:13:40 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.261	152	42137	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	120.86%		
27) IS2_1,4-Dichlorobenzen...	4.261	152	42137	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	116.28%		
35) IS1_Naphthalene-d8	5.532	136	164766	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	117.73%		
55) IS2_Naphthalene-d8	5.532	136	164766	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	114.94%		
63) IS1_Acenaphthene-d10	7.263	164	94808	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	118.56%		
83) IS2_Acenaphthene-d10	7.263	164	94808	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	114.61%		
86) IS3_Acenaphthene-d10	7.263	164	94808	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	118.60%		
88) IS1_Phenanthrene-d10	8.712	188	183274	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	121.76%		
100) IS3_Phenanthrene-d10	8.712	188	183274	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	116.80%		
104) IS1_Chrysene-d12	11.347	240	179355	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	119.18%		
113) IS1_Perylene-d12	12.808	264	207253	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	125.31%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.934	112	10878	0.934	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	46.70%		
7) Phenol-d6	3.956	99	9172	0.661	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	33.05%		
19) Nitrobenzene-d5	4.827	82	7732	0.598	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	59.80%		
46) 2-Fluorobiphenyl	6.632	172	20601	0.609	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	60.90%		
79) 2,4,6-Tribromophenol	8.040	330	5100	1.110	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	55.50%		
96) 4-Terphenyl-d14	10.319	244	28995	0.644	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	64.40%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-08.D
 Acq On : 6 Sep 2025 5:47 pm
 Operator : SV106:jg
 Sample : L2555605-08,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 10 18:13:40 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-08.D
 Acq On : 6 Sep 2025 5:47 pm
 Operator : SV106:jg
 Sample : L2555605-08,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 10 18:13:40 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

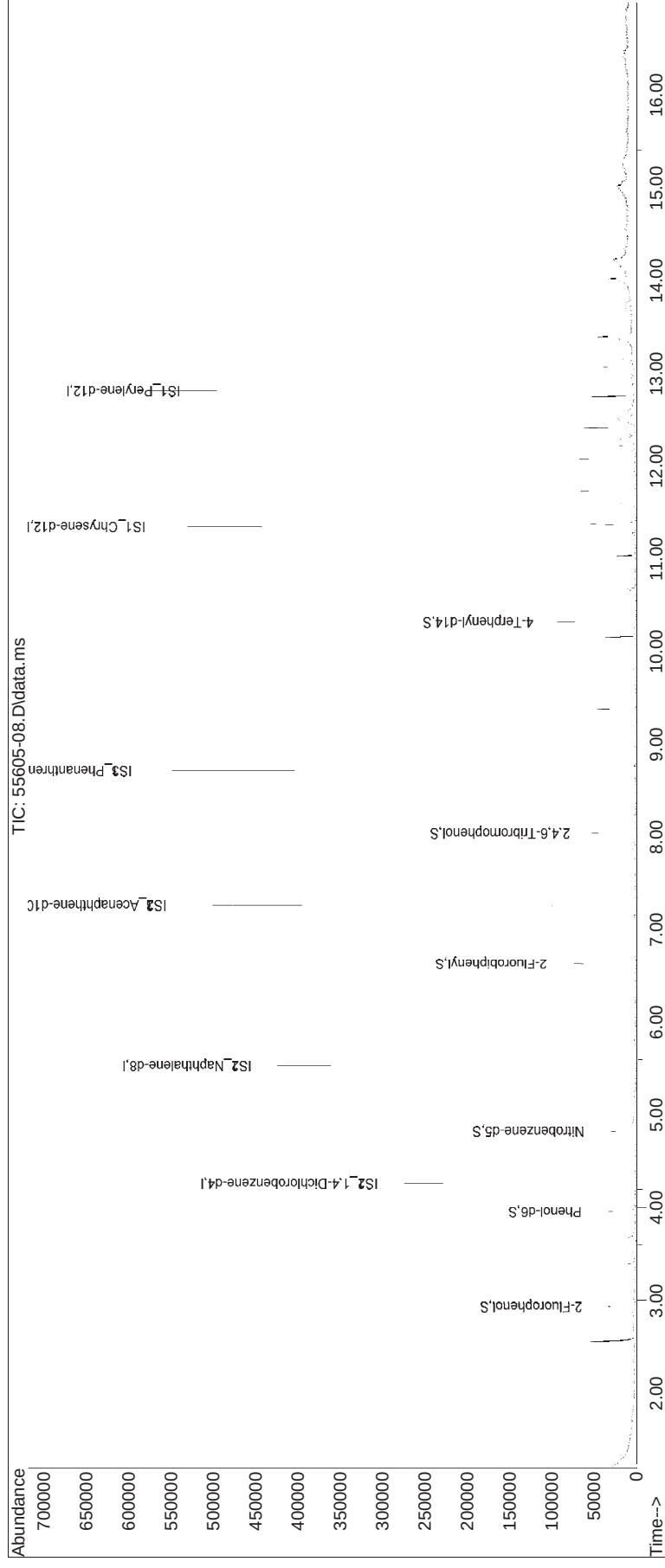
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 55605-08.D
 Acq On : 6 Sep 2025 5:47 pm
 Operator : SV106:jg
 Sample : L2555605-08,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 10 18:13:40 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : 8270IC\827006\SV106\250906RVT\WP90906.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: 55605-08.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 5:47 pm	Instrument	: SV 106
Sample	: L2555605-08,32,,gmr	Quant Date	: 9/6/2025 6:05 pm

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) t n-Nitrosodimet	0.625	0.627	0.648	0.651	0.662	0.669	0.715	0.683	0.660	0.660	4.21
3) t Pyridine	0.909	1.005	1.085	1.116	1.207	1.184	1.274	1.222	1.175	1.131	10.23
4) S 2-Fluorophenol	1.000	1.021	1.001	1.070	1.147	1.150	1.218	1.194	1.153	1.106	7.64
5) T Aniline	1.318	1.579	1.766	1.790	1.829	1.917	1.896	1.813	1.738	11.43	
6) t 2-Chlorophenol	1.232	1.140	1.249	1.321	1.367	1.380	1.482	1.442	1.373	1.332	8.13
7) S Phenol-d6	1.128	1.235	1.291	1.274	1.342	1.353	1.455	1.430	1.353	1.318	7.59
8) T Phenol	1.253	1.337	1.402	1.430	1.476	1.460	1.589	1.553	1.468	1.441	7.13
9) T Bis(2-chloroet	1.077	1.056	1.154	1.160	1.155	1.153	1.227	1.183	1.121	1.143	4.55
10) T 1,3-Dichlorobe	1.521	1.666	1.599	1.571	1.592	1.611	1.692	1.614	1.518	1.598	3.63
11) T 1,4-Dichlorobe	1.660	1.531	1.676	1.616	1.654	1.635	1.727	1.648	1.559	1.634	3.64
12) T 1,2-Dichlorobe	1.556	1.602	1.607	1.539	1.587	1.562	1.633	1.575	1.485	1.572	2.77
13) t Benzyl alcohol	0.792	0.919	0.907	0.939	0.980	0.980	1.073	1.070	1.019	0.964	9.14
14) T Bis(2-chlorois	1.869	1.814	1.874	1.874	1.902	1.873	1.957	1.896	1.742	1.867	3.22
15) T 2-Methylphenol	1.023	0.916	1.081	1.090	1.106	1.134	1.226	1.217	1.144	1.104	8.65
16) T Hexachloroethane	0.491	0.596	0.593	0.604	0.625	0.620	0.655	0.633	0.599	0.602	7.69
17) T n-Nitrosodi-n-	0.714	0.726	0.703	0.805	0.843	0.844	0.919	0.917	0.860	0.815	10.23
18) T 3-Methylphenol	1.201	1.077	1.095	1.170	1.213	1.221	1.339	1.305	1.239	1.207	7.12
19) S Nitrobenzene-d5	1.107	1.084	1.149	1.192	1.243	1.261	1.360	1.357	1.283	1.226	8.22
20) T Nitrobenzene	1.114	1.129	1.225	1.204	1.290	1.306	1.392	1.390	1.292	1.260	8.00
21) T Isophorone	2.034	2.084	2.111	2.177	2.333	2.360	2.577	2.576	2.409	2.296	8.95
22) T 2-Nitrophenol	0.493	0.534	0.535	0.635	0.665	0.749	0.776	0.734	0.640	17.12	
23) T 2,4-Dimethylph	1.142	1.150	1.117	1.218	1.288	1.344	1.427	1.417	1.337	1.271	9.35
24) T Bis(2-chloroet	1.391	1.497	1.492	1.513	1.613	1.560	1.658	1.651	1.542	1.546	5.54
25) T 2,4-Dichloroph	0.989	0.948	1.054	1.135	1.212	1.232	1.357	1.341	1.259	1.170	12.63
26) T 1,2,4-Trichlor	1.342	1.329	1.312	1.380	1.396	1.375	1.462	1.429	1.342	1.374	3.58
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde	0.678	0.660	0.659	0.656	0.650	0.634	0.633	0.613	0.622	0.645	3.22
29) T Acetophenone	1.895	1.931	2.072	1.849	1.891	1.873	1.878	1.853	1.903	1.905	3.56
30) T m-Toluidine	0.747	0.912	1.162	1.209	1.261	1.257	1.311	1.123	18.79		
31) T 2-Chloroaniline	1.668	1.617	1.753	1.641	1.748	1.750	1.800	1.743	1.792	1.724	3.80
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) t 1,4-Dioxane	0.606	0.475	0.495	0.460	0.452	0.426	0.458	0.442	0.477	11.74	
34) T n-Decane	1.451	1.569	1.484	1.428	1.409	1.421	1.366	1.489	1.426	1.449	4.05
35) I IS1_Naphthalene-d8	-----ISTD-----										
36) T Naphthalene	1.082	1.113	1.085	1.081	1.083	1.076	1.119	1.089	1.010	1.082	2.84



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37) T Benzoic Acid				0.132	0.162	0.197	0.245	0.274	0.268	*L	0.9972
38) T 4-Chloroaniline	0.100	0.096	0.113	0.122	0.122	0.122	0.129	0.128	0.121	0.117	10.11
39) T Hexachlorobuta	0.178	0.207	0.203	0.198	0.202	0.201	0.213	0.205	0.196	0.200	4.85
40) T p-Chloro-m-cresol	0.278	0.248	0.266	0.255	0.285	0.289	0.317	0.317	0.301	0.284	8.87
41) T 2-Methylnaphth	0.673	0.640	0.606	0.630	0.633	0.634	0.677	0.662	0.612	0.641	3.92
42) T 1-Methylnaphth	0.209	0.233	0.228	0.220	0.232	0.224	0.241	0.235	0.224	0.227	4.09
43) T Hexachlorocycl	0.242	0.230	0.231	0.250	0.256	0.258	0.276	0.278	0.265	0.254	6.84
44) T 2,4,6-Trichlor	0.160	0.165	0.197	0.211	0.216	0.228	0.249	0.254	0.240	0.213	16.00
45) T 2,4,5-Trichlor	0.224	0.200	0.197	0.220	0.247	0.252	0.276	0.277	0.261	0.239	12.74
46) S 2-Fluorobiphenyl	0.843	0.835	0.796	0.808	0.825	0.808	0.857	0.835	0.777	0.821	3.09
47) T 2-Chloronaphth	0.695	0.743	0.714	0.725	0.725	0.722	0.766	0.751	0.700	0.727	3.20
48) T 2-Nitroaniline	0.155	0.161	0.170	0.187	0.207	0.224	0.249	0.258	0.243	0.206	19.20
49) T 1,4-Dinitroben		0.071	0.072	0.090	0.096	0.102	0.113	0.119	0.114	0.097	19.22
50) T 1,3-Dinitroben		0.090	0.089	0.091	0.109	0.120	0.132	0.136	0.127	0.112	17.57
51) T Dimethyl phtha	0.834	0.825	0.786	0.845	0.862	0.868	0.935	0.910	0.847	0.857	5.21
52) T Acenaphthylene	1.111	1.063	1.083	1.141	1.192	1.213	1.286	1.264	1.177	1.170	6.61
53) T 2,6-Dinitrotol		0.131	0.132	0.153	0.171	0.176	0.195	0.194	0.185	0.167	15.47
54) T 1,2-Dinitroben		0.054	0.054	0.069	0.076	0.079	0.085	0.084	0.081	0.073	17.37
55) I IS2_Naphthalene-d8	-----ISTD-----										
56) T a-Terpineol	0.261	0.270	0.259	0.260	0.264	0.266	0.275	0.275	0.273	0.267	2.41
57) T 3-Chloroaniline		0.102	0.112	0.111	0.120	0.122	0.118	0.115	0.115	0.114	5.48
58) T 2,6-Dichloroph	0.275	0.262	0.282	0.257	0.283	0.289	0.305	0.307	0.308	0.285	6.59
59) T 1-chloro-2-nit	0.117	0.121	0.131	0.138	0.137	0.136	0.144	0.144	0.145	0.135	7.49
60) T Caprolactam		0.113	0.120	0.124	0.145	0.148	0.156	0.161	0.166	0.142	14.18
61) T 1,2,4,5-Tetrachlorobenzene	0.390	0.417	0.395	0.364	0.366	0.364	0.360	0.353	0.350	0.373	5.99
62) T Biphenyl	1.080	0.960	0.943	0.906	0.928	0.905	0.900	0.882	0.874	0.931	6.70
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline		0.272	0.286	0.317	0.357	0.365	0.383	0.386	0.367	0.342	12.90
65) T Acenaphthene	1.251	1.111	1.104	1.139	1.138	1.119	1.152	1.133	1.074	1.136	4.34
66) T 2,4-Dinitrophenol				0.125	0.138	0.158	0.179	0.199	0.195	0.166	18.30
67) T Dibenzofuran	1.914	1.931	1.798	1.861	1.847	1.817	1.873	1.835	1.721	1.844	3.41
68) T 2,4-Dinitrotol	0.312	0.303	0.330	0.348	0.401	0.426	0.452	0.456	0.433	0.385	15.99
69) T 4-Nitrophenol	0.249	0.176	0.215	0.220	0.236	0.250	0.263	0.267	0.266	0.238	12.64
70) T 2,3,5,6-Tetrac		0.235	0.281	0.315	0.354	0.368	0.387	0.397	0.381	0.340	16.92
71) T 2,3,4,6-Tetrachlorophenol	0.252	0.230	0.304	0.319	0.358	0.367	0.389	0.381	0.369	0.330	17.50
72) T Diethyl phthalate	1.608	1.488	1.406	1.471	1.517	1.532	1.572	1.566	1.487	1.516	4.05



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73) T Fluorene	1.576	1.453	1.402	1.417	1.466	1.422	1.473	1.447	1.367	1.447	4.06
74) T 4-Chlorophenyl	0.763	0.666	0.677	0.690	0.698	0.684	0.694	0.681	0.643	0.688	4.70
75) T 4-Nitroaniline	0.279	0.294	0.280	0.322	0.348	0.367	0.392	0.384	0.367	0.337	13.14
76) T 4,6-Dinitro-o-			0.148	0.176	0.201	0.219	0.245	0.257	0.251	0.214	19.28
77) T NDPA/DPA	1.240	1.142	1.119	1.214	1.236	1.236	1.279	1.243	1.176	1.209	4.35
78) T Azobenzene	1.256	1.163	1.201	1.253	1.325	1.316	1.341	1.328	1.264	1.272	4.84
79) S 2,4,6-Tribromo		0.152	0.174	0.186	0.197	0.200	0.210	0.220	0.212	0.194	11.57
80) T 4-Bromophenyl	0.464	0.432	0.402	0.418	0.424	0.413	0.434	0.427	0.405	0.424	4.38
81) T Hexachlorobenzene	0.521	0.488	0.460	0.464	0.481	0.459	0.472	0.474	0.456	0.475	4.26
82) T Pentachlorophenol				0.197	0.249	0.276	0.310	0.324	0.323	0.280	17.94
83) I IS2_Acenaphthene-d10	-----ISTD-----										
84) T Dichloran	0.147	0.124	0.138	0.135	0.146	0.161	0.174	0.193	0.207	0.158	17.57
85) T Pentachloronit		0.110	0.139	0.135	0.154	0.164	0.170	0.176	0.187	0.154	16.28
86) I IS3_Acenaphthene-d10	-----ISTD-----										
87) T Atrazine	0.309	0.334	0.345	0.341	0.354	0.377	0.391	0.448	0.447	0.372	13.19
88) I IS1_Phenanthrene-d10	-----ISTD-----										
89) T Phenanthrene	1.371	1.263	1.179	1.178	1.164	1.168	1.218	1.175	1.104	1.202	6.34
90) T Anthracene	1.219	1.185	1.107	1.147	1.170	1.177	1.260	1.203	1.132	1.178	3.94
91) T Carbazole	1.003	1.023	1.026	1.069	1.101	1.117	1.192	1.136	1.064	1.081	5.65
92) T Di-n-butylphth	1.166	1.108	1.070	1.167	1.264	1.333	1.456	1.451	1.377	1.266	11.52
93) T Fluoranthene	1.364	1.261	1.208	1.274	1.297	1.306	1.390	1.323	1.242	1.296	4.47
94) T Benzidine				0.599	0.757	0.837	0.945	0.946	0.905	0.831	16.22
95) T Pyrene	1.449	1.366	1.307	1.384	1.383	1.387	1.466	1.403	1.300	1.383	4.02
96) S 4-Terphenyl-d14	1.126	0.947	0.937	0.957	0.963	0.957	1.026	0.994	0.935	0.982	6.21
97) T Butyl benzyl p	0.449	0.408	0.431	0.458	0.519	0.563	0.643	0.660	0.630	0.529	18.59
98) I IS2_Phenanthrene-d10	-----ISTD-----										
99) T Diphenamid	0.451	0.409	0.439	0.457	0.505	0.514	0.532	0.532	0.543	0.487	9.95
100) I IS3_Phenanthrene-d10	-----ISTD-----										
101) T n-Octadecane	0.450	0.480	0.469	0.459	0.462	0.490	0.491	0.524	0.494	0.480	4.72
102) T Parathion				0.090	0.094	0.107	0.118	0.149	0.151	*L	0.9938
103) T 3,3'-Dimethylbenzidine					0.527	0.645	0.750	0.965	0.942	*L	0.9970
104) I IS1_Chrysene-d12	-----ISTD-----										
105) T Benzo(a)anthra	1.511	1.315	1.289	1.310	1.335	1.318	1.412	1.375	1.277	1.349	5.47
106) T 3,3'-Dichlorob	0.387	0.381	0.410	0.441	0.484	0.495	0.538	0.538	0.505	0.464	13.26
107) T Chrysene	1.506	1.443	1.348	1.330	1.324	1.278	1.335	1.269	1.194	1.336	6.96
108) T Bis(2-ethylhex	0.820	0.652	0.685	0.755	0.860	0.905	1.000	1.001	0.940	0.846	15.20



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109) T Di-n-octylphth			1.035	1.125	1.328	1.447	1.676	1.705	1.617	1.419	18.86
110) T Benzo(b)fluora	1.294	1.242	1.272	1.269	1.271	1.242	1.362	1.307	1.239	1.278	3.09
111) T Benzo(k)fluora	1.319	1.241	1.207	1.316	1.368	1.336	1.382	1.325	1.231	1.303	4.75
112) T Benzo(a)pyrene	1.127	1.076	1.125	1.215	1.230	1.227	1.313	1.264	1.197	1.197	6.26
113) I IS1_Perylene-d12	-----ISTD-----										
114) T Indeno(1,2,3-c	1.099	0.994	0.991	1.063	1.102	1.150	1.260	1.277	1.329	1.141	10.81
115) T Dibenzo(a,h)an	1.138	1.113	1.084	1.145	1.156	1.194	1.272	1.275	1.252	1.181	6.01
116) T Benzo(ghi)pery	1.225	1.122	1.082	1.111	1.132	1.151	1.231	1.220	1.197	1.164	4.80



Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD

IS1_1,4-Dichlorobenzene-d4		-----ISTD-----										
1) I	IS1_1,4-Dichlorobenzene-d4	0.625	0.627	0.648	0.651	0.662	0.669	0.715	0.683	0.660	0.660	4.21
2) t	n-Nitrosodimet...	0.909	1.005	1.085	1.116	1.207	1.184	1.274	1.222	1.175	1.131	10.23
3) t	Pyridine	1.000	1.021	1.001	1.070	1.147	1.150	1.218	1.194	1.153	1.106	7.64
4) S	2-Fluorophenol											
5) T	Aniline	1.318	1.579	1.766	1.790	1.829	1.829	1.917	1.896	1.813	1.738	11.43
6) t	2-Chlorophenol	1.232	1.140	1.249	1.321	1.367	1.380	1.482	1.442	1.373	1.332	8.13
7) S	Phenol-d6	1.128	1.235	1.291	1.274	1.342	1.353	1.455	1.430	1.353	1.318	7.59
8) T	Phenol	1.253	1.337	1.402	1.430	1.476	1.460	1.589	1.553	1.468	1.441	7.13
9) T	Bis(2-chloroet...	1.077	1.056	1.154	1.160	1.155	1.153	1.227	1.183	1.121	1.143	4.55
10) T	1,3-Dichlorobe...	1.521	1.666	1.599	1.571	1.592	1.611	1.692	1.614	1.518	1.598	3.63
11) T	1,4-Dichlorobe...	1.660	1.531	1.676	1.616	1.654	1.635	1.727	1.648	1.559	1.634	3.64
12) T	1,2-Dichlorobe...	1.556	1.602	1.607	1.539	1.587	1.562	1.633	1.575	1.485	1.572	2.77
13) t	Benzyl alcohol	0.792	0.919	0.907	0.939	0.980	0.980	1.073	1.070	1.019	0.964	9.14
14) T	Bis(2-chlorois...	1.869	1.814	1.874	1.874	1.902	1.873	1.957	1.896	1.742	1.867	3.22
15) T	2-Methylphenol	1.023	0.916	1.081	1.090	1.106	1.134	1.226	1.217	1.144	1.104	8.65
16) T	Hexachloroethane	0.491	0.596	0.593	0.604	0.625	0.620	0.655	0.633	0.599	0.602	7.69
17) T	n-Nitrosodi-n-...	0.714	0.726	0.703	0.805	0.843	0.844	0.919	0.917	0.860	0.815	10.23
18) T	3-Methylphenol...	1.201	1.077	1.095	1.170	1.213	1.221	1.339	1.305	1.239	1.207	7.12
19) S	Nitrobenzene-d5	1.107	1.084	1.149	1.192	1.243	1.261	1.360	1.357	1.283	1.226	8.22
20) T	Nitrobenzene	1.114	1.129	1.225	1.204	1.290	1.306	1.392	1.390	1.292	1.260	8.00
21) T	Isophorone	2.034	2.084	2.111	2.177	2.333	2.360	2.577	2.576	2.409	2.296	8.95
22) T	2-Nitrophenol		0.493	0.534	0.535	0.635	0.665	0.749	0.776	0.734	0.640	17.12
23) T	2,4-Dimethylph...	1.142	1.150	1.117	1.218	1.288	1.344	1.427	1.417	1.337	1.271	9.35
24) T	Bis(2-chloroet...	1.391	1.497	1.492	1.513	1.613	1.560	1.658	1.651	1.542	1.546	5.54
25) T	2,4-Dichloroph...	0.989	0.948	1.054	1.135	1.212	1.232	1.357	1.341	1.259	1.170	12.63
26) T	1,2,4-Trichlor...	1.342	1.329	1.312	1.380	1.396	1.375	1.462	1.429	1.342	1.374	3.58

IS2_1,4-Dichlorobenzene-d4		-----ISTD-----										
27) I	IS2_1,4-Dichlorobenzene-d4											
28) T	Benzaldehyde	0.678	0.660	0.659	0.656	0.650	0.634	0.633	0.613	0.622	0.645	3.22
29) T	Acetophenone	1.895	1.931	2.072	1.849	1.891	1.873	1.878	1.853	1.903	1.905	3.56

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	AVG	%RSD
30) T m-Toluidine		0.747	0.912	1.162	1.209	1.261	1.257	1.311	1.123	18.79	
31) T 2-Chloroaniline	1.668	1.617	1.753	1.641	1.748	1.750	1.800	1.743	1.724	3.80	
32) I IS3_1,4-Dichlorobenzene-d4											
33) t 1,4-Dioxane	0.606	0.475	0.495	0.460	0.452	0.426	0.458	0.442	0.477	11.74	
34) T n-Decane	1.451	1.569	1.484	1.428	1.409	1.421	1.366	1.489	1.426	4.05	
35) I IS1_Naphthalene-d8											
36) T Naphthalene	1.082	1.113	1.085	1.081	1.083	1.076	1.119	1.089	1.010	1.082	2.84
37) T Benzoic Acid				0.132	0.162	0.197	0.245	0.274	0.268	*L	0.9972
38) T 4-Chloroaniline	0.100	0.096	0.113	0.122	0.122	0.122	0.129	0.128	0.121	0.117	10.11
39) T Hexachlorobuta...	0.178	0.207	0.203	0.198	0.202	0.201	0.213	0.205	0.196	0.200	4.85
40) T p-Chloro-m-cresol	0.278	0.248	0.266	0.255	0.285	0.289	0.317	0.317	0.301	0.284	8.87
41) T 2-Methylnaphth...	0.673	0.640	0.606	0.630	0.633	0.634	0.677	0.662	0.612	0.641	3.92
42) T 1-Methylnaphth...	0.209	0.233	0.228	0.220	0.232	0.224	0.241	0.235	0.224	0.227	4.09
43) T Hexachlorocycl...	0.242	0.230	0.231	0.250	0.256	0.258	0.276	0.278	0.265	0.254	6.84
44) T 2,4,6-Trichlor...	0.160	0.165	0.197	0.211	0.216	0.228	0.249	0.254	0.240	0.213	16.00
45) T 2,4,5-Trichlor...	0.224	0.200	0.197	0.220	0.247	0.252	0.276	0.277	0.261	0.239	12.74
46) S 2-Fluorobiphenyl	0.843	0.835	0.796	0.808	0.825	0.808	0.857	0.835	0.777	0.821	3.09
47) T 2-Chloronaphth...	0.695	0.743	0.714	0.725	0.725	0.722	0.766	0.751	0.700	0.727	3.20
48) T 2-Nitroaniline	0.155	0.161	0.170	0.187	0.207	0.224	0.249	0.258	0.243	0.206	19.20
49) T 1,4-Dinitroben...		0.071	0.072	0.090	0.096	0.102	0.113	0.119	0.114	0.097	19.22
50) T 1,3-Dinitroben...		0.090	0.089	0.091	0.109	0.120	0.132	0.136	0.127	0.112	17.57
51) T Dimethyl phtha...	0.834	0.825	0.786	0.845	0.862	0.868	0.935	0.910	0.847	0.857	5.21
52) T Acenaphthylene	1.111	1.063	1.083	1.141	1.192	1.213	1.286	1.264	1.177	1.170	6.61
53) T 2,6-Dinitrotol...		0.131	0.132	0.153	0.171	0.176	0.195	0.194	0.185	0.167	15.47
54) T 1,2-Dinitroben...		0.054	0.054	0.069	0.076	0.079	0.085	0.084	0.081	0.073	17.37
55) I IS2_Naphthalene-d8											
56) T a-Terpineol	0.261	0.270	0.259	0.260	0.264	0.266	0.275	0.275	0.273	0.267	2.41
57) T 3-Chloroaniline		0.102	0.112	0.111	0.120	0.122	0.118	0.115	0.115	0.114	5.48

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	AVG	%RSD
58) T 2,6-Dichloroph...	0.275	0.262	0.282	0.257	0.283	0.289	0.305	0.307	0.308	0.285	6.59
59) T 1-chloro-2-nit...	0.117	0.121	0.131	0.138	0.137	0.136	0.144	0.144	0.145	0.135	7.49
60) T Caprolactam		0.113	0.120	0.124	0.145	0.148	0.156	0.161	0.166	0.142	14.18
61) T 1,2,4,5-Tetrac...	0.390	0.417	0.395	0.364	0.366	0.364	0.360	0.353	0.350	0.373	5.99
62) T Biphenyl	1.080	0.960	0.943	0.906	0.928	0.905	0.900	0.882	0.874	0.931	6.70
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline	0.272	0.286	0.317	0.357	0.357	0.365	0.383	0.386	0.367	0.342	12.90
65) T Acenaphthene	1.251	1.111	1.104	1.139	1.138	1.119	1.152	1.133	1.074	1.136	4.34
66) T 2,4-Dinitrophenol			0.125	0.138	0.158	0.158	0.179	0.199	0.195	0.166	18.30
67) T Dibenzofuran	1.914	1.931	1.798	1.861	1.847	1.817	1.873	1.835	1.721	1.844	3.41
68) T 2,4-Dinitrotol...	0.312	0.303	0.330	0.348	0.401	0.426	0.452	0.456	0.433	0.385	15.99
69) T 4-Nitrophenol	0.249	0.176	0.215	0.220	0.236	0.250	0.263	0.267	0.266	0.238	12.64
70) T 2,3,5,6-Tetrac...		0.235	0.281	0.315	0.354	0.368	0.387	0.397	0.381	0.340	16.92
71) T 2,3,4,6-Tetrac...	0.252	0.230	0.304	0.319	0.358	0.367	0.389	0.381	0.369	0.330	17.50
72) T Diethyl phthalate	1.608	1.488	1.406	1.471	1.517	1.532	1.572	1.566	1.487	1.516	4.05
73) T Fluorene	1.576	1.453	1.402	1.417	1.466	1.422	1.473	1.447	1.367	1.447	4.06
74) T 4-Chlorophenyl...	0.763	0.666	0.677	0.690	0.698	0.684	0.694	0.681	0.643	0.688	4.70
75) T 4-Nitroaniline	0.279	0.294	0.280	0.322	0.348	0.367	0.392	0.384	0.367	0.337	13.14
76) T 4,6-Dinitro-o-...			0.148	0.176	0.201	0.219	0.245	0.257	0.251	0.214	19.28
77) T NDPA/DPA	1.240	1.142	1.119	1.214	1.236	1.236	1.279	1.243	1.176	1.209	4.35
78) T Azobenzene	1.256	1.163	1.201	1.253	1.325	1.316	1.341	1.328	1.264	1.272	4.84
79) S 2,4,6-Tribromo...		0.152	0.174	0.186	0.197	0.200	0.210	0.220	0.212	0.194	11.57
80) T 4-Bromophenyl ...	0.464	0.432	0.402	0.418	0.424	0.413	0.434	0.427	0.405	0.424	4.38
81) T Hexachlorobenzene	0.521	0.488	0.460	0.464	0.481	0.459	0.472	0.474	0.456	0.475	4.26
82) T Pentachlorophenol			0.197	0.249	0.276	0.276	0.310	0.324	0.323	0.280	17.94
83) I IS2_Acenaphthene-d10	-----ISTD-----										
84) T Dichloran	0.147	0.124	0.138	0.135	0.146	0.161	0.174	0.193	0.207	0.158	17.57
85) T Pentachloronit...		0.110	0.139	0.135	0.154	0.164	0.170	0.176	0.187	0.154	16.28

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	AVG	%RSD
-----ISTD-----											
86) I IS3_Acenaphthene-d10	0.309	0.334	0.345	0.341	0.354	0.377	0.391	0.448	0.447	0.372	13.19
87) T Atrazine											
-----ISTD-----											
88) I IS1_Phenanthrene-d10	1.371	1.263	1.179	1.178	1.164	1.168	1.218	1.175	1.104	1.202	6.34
89) T Phenanthrene	1.219	1.185	1.107	1.147	1.170	1.177	1.260	1.203	1.132	1.178	3.94
90) T Anthracene	1.003	1.023	1.026	1.069	1.101	1.117	1.192	1.136	1.064	1.081	5.65
91) T Carbazole	1.166	1.108	1.070	1.167	1.264	1.333	1.456	1.451	1.377	1.266	11.52
92) T Di-n-butylphth...	1.364	1.261	1.208	1.274	1.297	1.306	1.390	1.323	1.242	1.296	4.47
93) T Fluoranthene											
94) T Benzidine				0.599	0.757	0.837	0.945	0.946	0.905	0.831	16.22
95) T Pyrene	1.449	1.366	1.307	1.384	1.383	1.387	1.466	1.403	1.300	1.383	4.02
96) S 4-Terphenyl-d14	1.126	0.947	0.937	0.957	0.963	0.957	1.026	0.994	0.935	0.982	6.21
97) T Butyl benzyl p...	0.449	0.408	0.431	0.458	0.519	0.563	0.643	0.660	0.630	0.529	18.59
-----ISTD-----											
98) I IS2_Phenanthrene-d10	0.451	0.409	0.439	0.457	0.505	0.514	0.532	0.532	0.543	0.487	9.95
99) T Diphenamid											
-----ISTD-----											
100) I IS3_Phenanthrene-d10	0.450	0.480	0.469	0.459	0.462	0.490	0.491	0.524	0.494	0.480	4.72
101) T n-Octadecane				0.090	0.094	0.107	0.118	0.149	0.151	*L	0.9938
102) T Parathion											
103) T 3,3'-Dimethylb...					0.527	0.645	0.750	0.965	0.942	*L	0.9970
-----ISTD-----											
104) I IS1_Chrysene-d12	1.511	1.315	1.289	1.310	1.335	1.318	1.412	1.375	1.277	1.349	5.47
105) T Benzo(a)anthra...	0.387	0.381	0.410	0.441	0.484	0.495	0.538	0.538	0.505	0.464	13.26
106) T 3,3'-Dichlorob...	1.506	1.443	1.348	1.330	1.324	1.278	1.335	1.269	1.194	1.336	6.96
107) T Chrysene	0.820	0.652	0.685	0.755	0.860	0.905	1.000	1.001	0.940	0.846	15.20
108) T Bis(2-ethylhex...			1.035	1.125	1.328	1.447	1.676	1.705	1.617	1.419	18.86
109) T Di-n-octylphth...	1.294	1.242	1.272	1.269	1.271	1.242	1.362	1.307	1.239	1.278	3.09
110) T Benzo(b)fluora...	1.319	1.241	1.207	1.316	1.368	1.336	1.382	1.325	1.231	1.303	4.75
111) T Benzo(k)fluora...											
112) T Benzo(a)pyrene	1.127	1.076	1.125	1.215	1.230	1.227	1.313	1.264	1.197	1.197	6.26

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
-----ISTD-----												
113) I	IS1_Perylene-d12											
114) T	Indeno(1,2,3-c...	1.099	0.994	0.991	1.063	1.102	1.150	1.260	1.277	1.329	1.141	10.81
115) T	Dibenzo(a,h)an...	1.138	1.113	1.084	1.145	1.156	1.194	1.272	1.275	1.252	1.181	6.01
116) T	Benzo(ghi)pery...	1.225	1.122	1.082	1.111	1.132	1.151	1.231	1.220	1.197	1.164	4.80

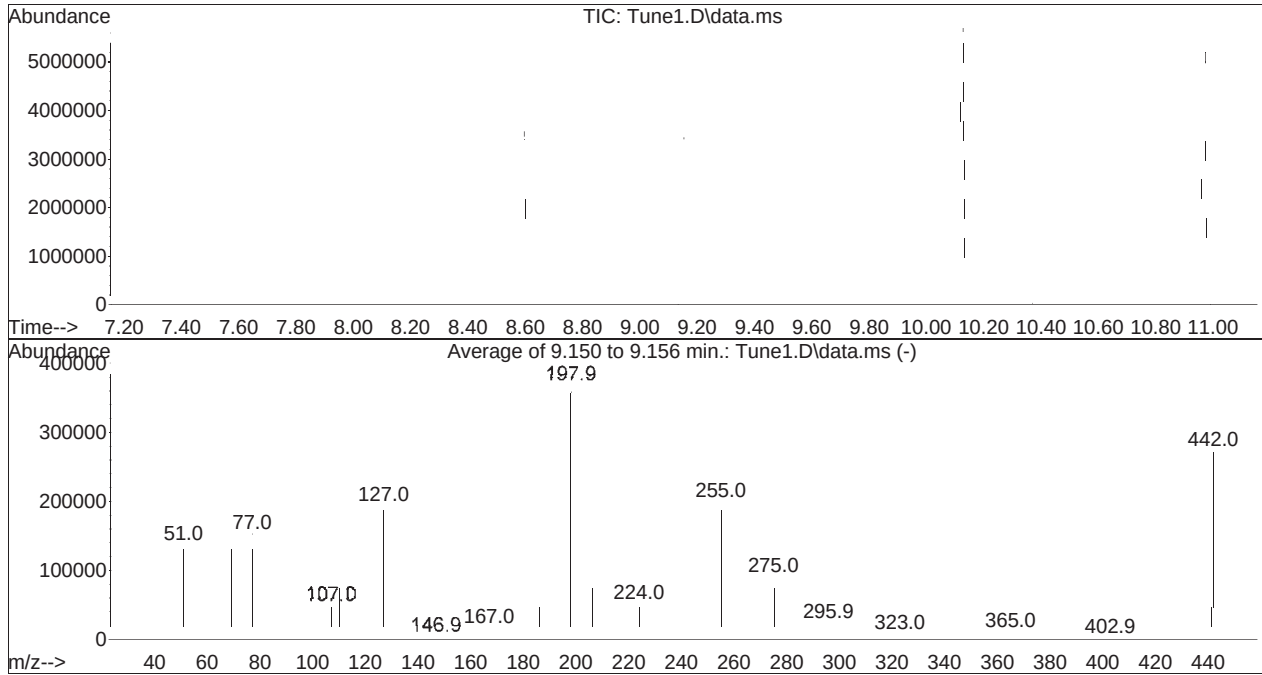
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV106\250827ICAL\
 Data File : Tune1.D
 Acq On : 27 Aug 2025 7:04 pm
 Operator : SV106:smz
 Sample : Tune1 Lot# 11857
 Misc : WG2108428,,
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025



Spectrum Information: Average of 9.150 to 9.156 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.8	136925	PASS
68	69	0.00	2	1.0	1423	PASS
69	69	100	100	100.0	144555	PASS
70	69	0.00	2	0.5	760	PASS
127	198	10	80	50.5	193152	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	382400	PASS
199	198	5	9	6.6	25283	PASS
275	198	10	60	23.7	90456	PASS
365	198	1	100	2.6	9949	PASS
441	442	0.01	24	16.9	46181	PASS
442	198	50	100	71.6	273877	PASS
443	442	15	24	19.3	52861	PASS

Data Path : I:\8270\SV106\250827\ICAL\

Data File : Tune1.D

Acq On : 27 Aug 2025 7:04 pm

Operator : SV106:smz

Sample : Tune1 Lot# 11857

Misc : WG2108428,,

ALS Vial : 141 Sample Multiplier: 1

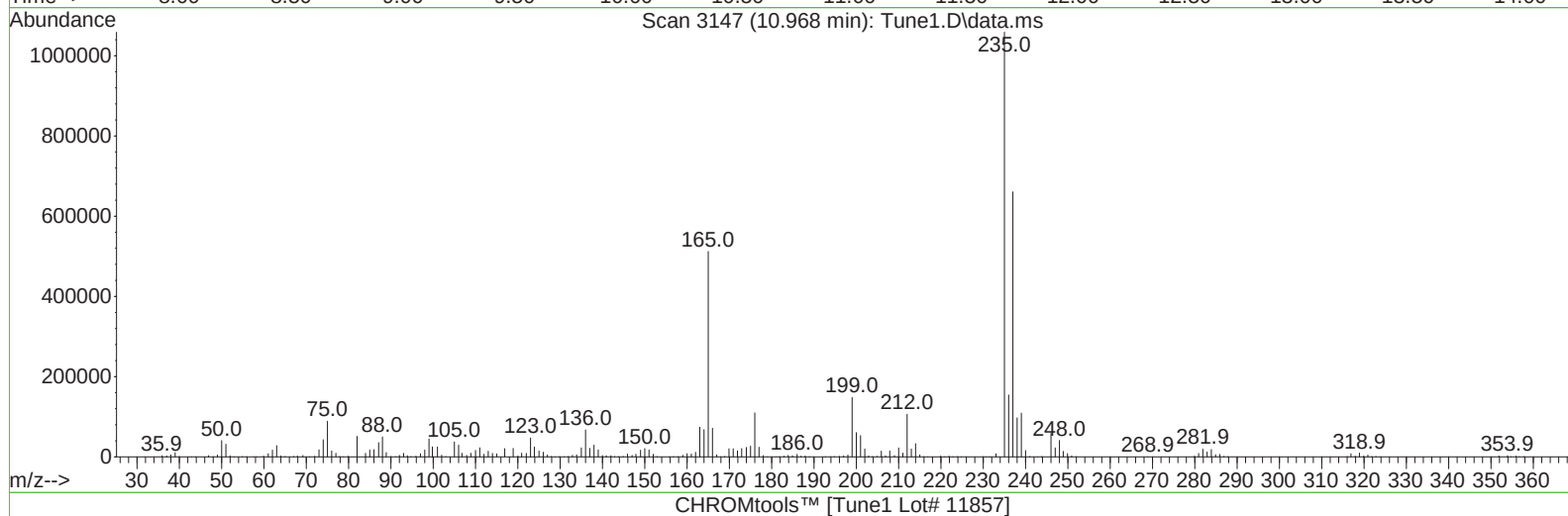
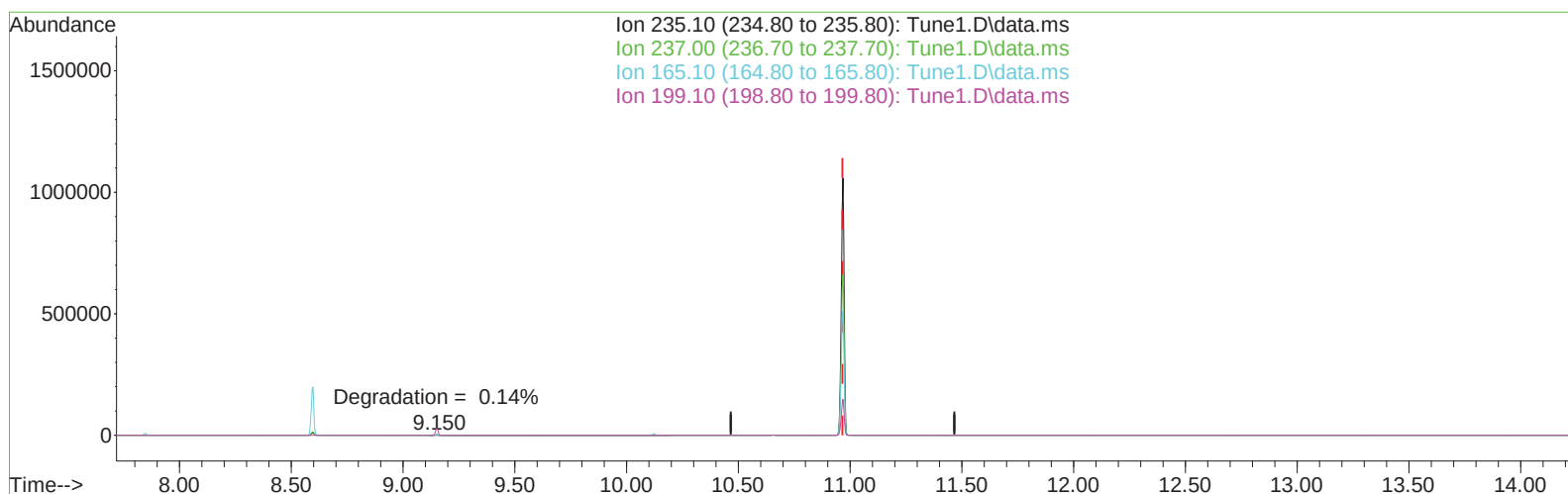
Quant Time: Aug 28 05:28:58 2025

Quant Method : I:\8270\SV106\250827\ICAL\DftppSV106.m

Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Thu Aug 28 05:29:49 2025

sp



(6) DDT (T)

10.968min (0.000) 154.09

response 939307

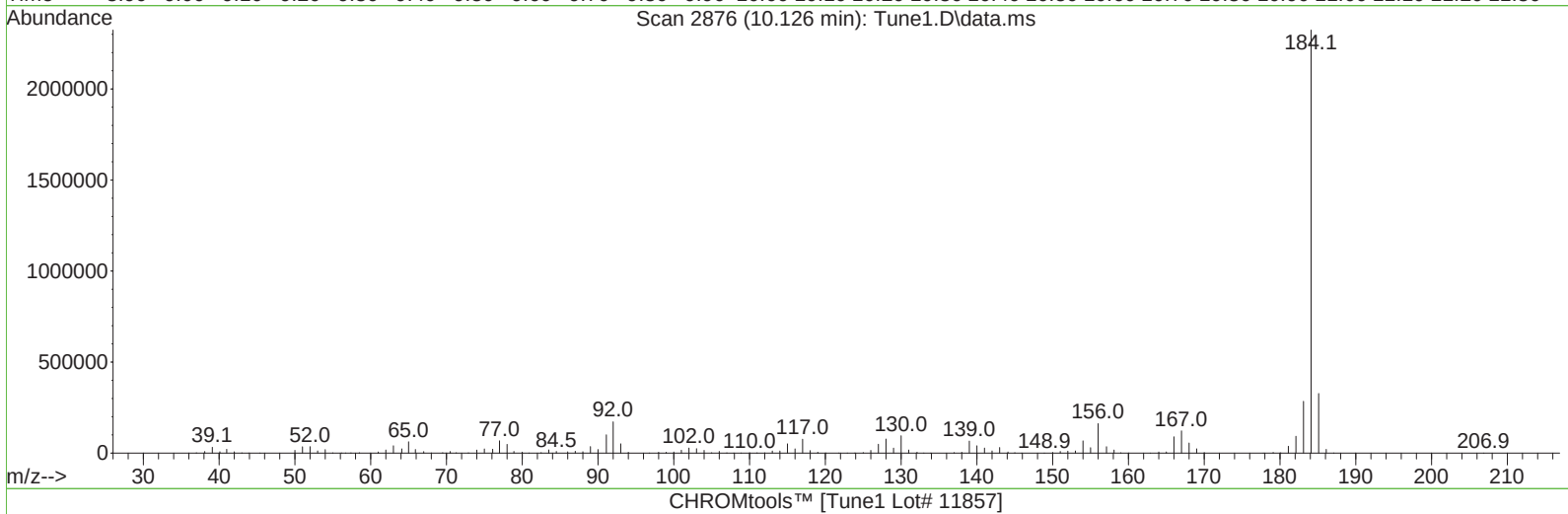
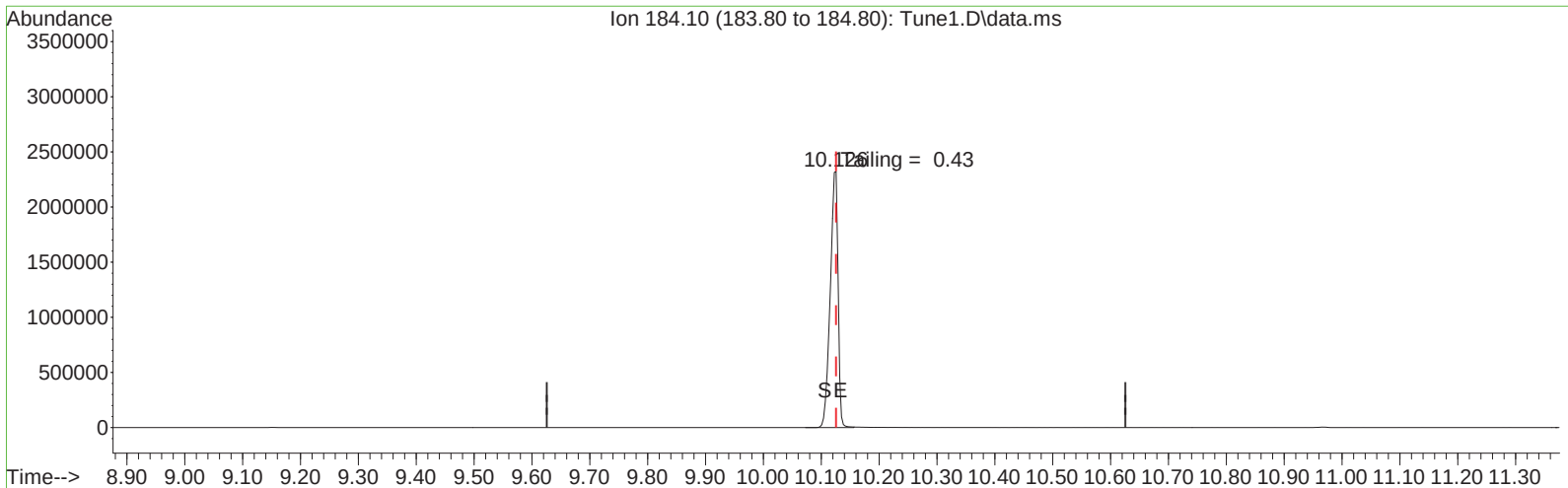
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.08
165.10	44.50	49.64
199.10	14.80	14.12

Duplicate Retention Times

(2) DFTPP 198.00

Data Path : I:\8270\SV106\250827\ICAL\
Data File : Tune1.D
Acq On : 27 Aug 2025 7:04 pm
Operator : SV106:smz
Sample : Tune1 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:28:58 2025
Quant Method : I:\8270\SV106\250827\CAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
sp



(3) Benzidine (T)

10.126min (-0.000) 214.72

response 2185879

Ion	Exp%	Act%
184.10	100.00	100.00

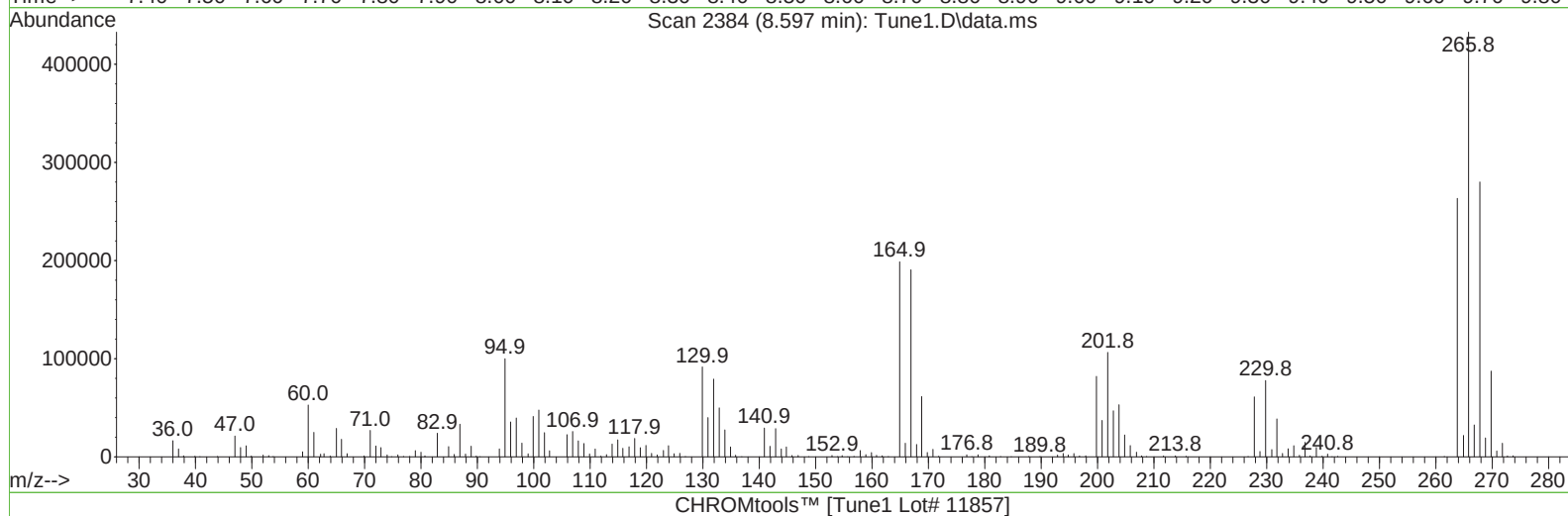
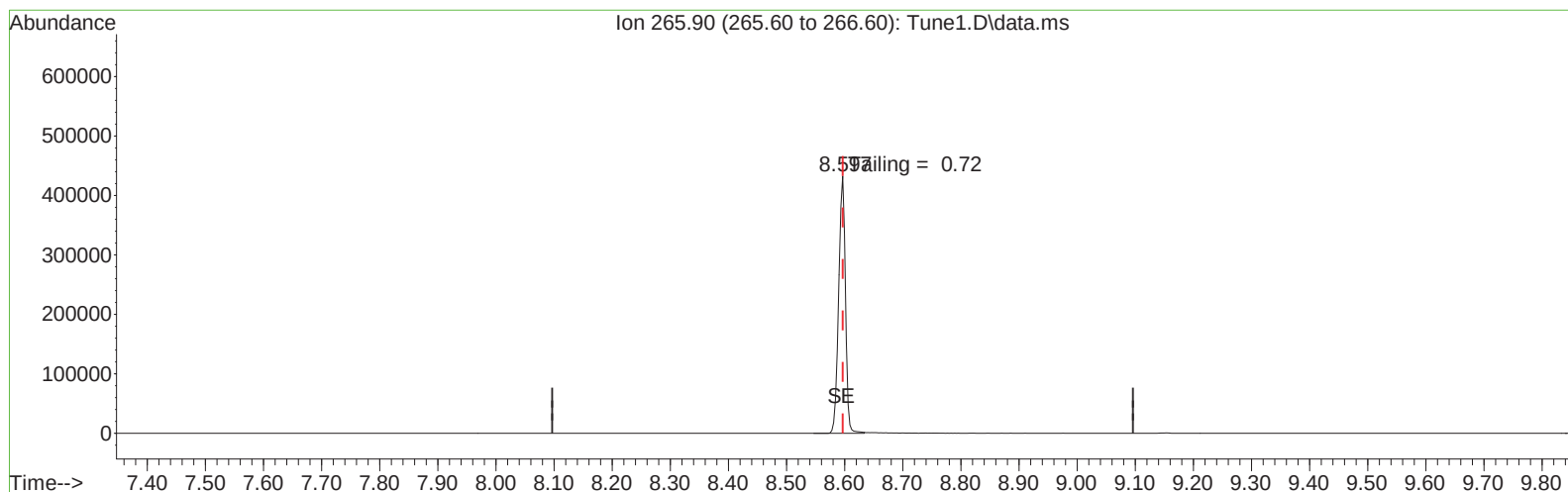
0.00 0.00 0.00

0.00 0.00 0.00

0.00 0.00 0.00

Data Path : I:\8270\SV106\250827\ICAL\
Data File : Tune1.D
Acq On : 27 Aug 2025 7:04 pm
Operator : SV106:smz
Sample : Tune1 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:28:58 2025
Quant Method : I:\8270\SV106\250827\ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
sp



(1) Pentachlorophenol (T)

8.597min (-0.000) 167.02

response 350794

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL9.D
 Acq On : 27 Aug 2025 8:12 pm
 Operator : SV106:smz
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108428,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.301	152	36072	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	106.12%		
35) IS1_Naphthalene-d8	5.575	136	145103	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	107.39%		
63) IS1_Acenaphthene-d10	7.313	164	86594	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	108.04%		
88) IS1_Phenanthrene-d10	8.761	188	164312	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	106.18%		
104) IS1_Chrysene-d12	11.412	240	167935	4.000	ug/ml	0.02
Standard Area 1 = 156844			Recovery =	107.07%		
113) IS1_Perylene-d12	12.873	264	165243	4.000	ug/ml	0.02
Standard Area 1 = 164937			Recovery =	100.19%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.971	112	519944	52.411	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2620.55%#		
7) Phenol-d6	4.000	99	610254	51.516	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2575.80%#		
19) Nitrobenzene-d5	4.870	82	578616	52.620	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	5262.00%#		
46) 2-Fluorobiphenyl	6.676	172	1408983	47.016	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	4701.60%#		
79) 2,4,6-Tribromophenol	8.093	330	229254	55.333	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	2766.65%#		
96) 4-Terphenyl-d14	10.371	244	1920378	47.305	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	4730.50%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.550	74	297403	49.970	ug/ml#	71
3) Pyridine	1.578	79	530028	52.228	ug/ml#	65
5) Aniline	3.975	93	817278	55.929	ug/ml	97
6) 2-Chlorophenol	4.093	128	619076	51.750	ug/ml#	88
8) Phenol	4.012	94	662132	51.074	ug/ml	94
9) Bis(2-chloroethyl)ether	4.071	93	505477	48.930	ug/ml	96
10) 1,3-Dichlorobenzene	4.242	146	684431	47.196	ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	703068	47.440	ug/ml	97
12) 1,2-Dichlorobenzene	4.466	146	669469	46.909	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL9.D
 Acq On : 27 Aug 2025 8:12 pm
 Operator : SV106:smz
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108428,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.478	79	459630	53.237	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.631	45	785403	46.265	ug/ml#	54
15) 2-Methylphenol	4.618	108	516043	52.062	ug/ml	99
16) Hexachloroethane	4.805	117	270260	49.774	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.761	70	387740	53.157	ug/ml	97
18) 3-Methylphenol/4-Methy...	4.783	108	558605	51.499	ug/ml	98
20) Nitrobenzene	4.888	77	582494	51.415	ug/ml	93
21) Isophorone	5.143	82	1086336	52.797	ug/ml	99
22) 2-Nitrophenol	5.209	139	331091	58.592	ug/ml#	86
23) 2,4-Dimethylphenol	5.305	107	602729	52.915	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.395	93	695150	49.826	ug/ml	97
25) 2,4-Dichlorophenol	5.460	162	567731	54.338	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.532	180	605019	48.682	ug/ml	98
36) Naphthalene	5.597	128	1832125	46.296	ug/ml	99
37) Benzoic Acid	5.488	105	486342	73.141	ug/ml	92
38) 4-Chloroaniline	5.678	65	218635	51.687	ug/ml#	61
39) Hexachlorobutadiene	5.756	225	355629	48.786	ug/ml	98
40) p-Chloro-m-cresol	6.194	107	545971	53.418	ug/ml	94
41) 2-Methylnaphthalene	6.290	142	1109586	47.474	ug/ml	96
42) 1-Methylnaphthalene	6.383	115	406758	49.276	ug/ml	94
43) Hexachlorocyclopentadiene	6.464	237	480294	52.388	ug/ml	99
44) 2,4,6-Trichlorophenol	6.589	196	434920	57.086	ug/ml	98
45) 2,4,5-Trichlorophenol	6.617	196	474294	55.244	ug/ml	99
47) 2-Chloronaphthalene	6.766	162	1270178	47.949	ug/ml	97
48) 2-Nitroaniline	6.887	138	440804	60.308	ug/ml#	77
49) 1,4-Dinitrobenzene	7.027	168	207550M3	60.484	ug/ml	
50) 1,3-Dinitrobenzene	7.105	168	230355	57.954	ug/ml#	1
51) Dimethyl phthalate	7.111	163	1537020	49.378	ug/ml#	98
52) Acenaphthylene	7.170	152	2135394	50.346	ug/ml	98
53) 2,6-Dinitrotoluene	7.145	165	334790	56.059	ug/ml#	74
54) 1,2-Dinitrobenzene	7.189	168	146559	56.472	ug/ml#	74
64) 3-Nitroaniline	7.300	138	397394	54.313	ug/ml#	85
65) Acenaphthene	7.347	154	1162071	46.940	ug/ml	92
66) 2,4-Dinitrophenol	7.400	184	210653	64.975	ug/ml#	87
67) Dibenzofuran	7.518	168	1863060	46.280	ug/ml#	75
68) 2,4-Dinitrotoluene	7.537	165	468854	57.216	ug/ml#	77
69) 4-Nitrophenol	7.506	65	287418	56.564	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	7.611	232	412195	59.776	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL9.D
 Acq On : 27 Aug 2025 8:12 pm
 Operator : SV106:smz
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108428,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.655	232	399383	56.750	ug/ml	97
72)	Diethyl phthalate	7.810	149	1609517	48.912	ug/ml	99
73)	Fluorene	7.854	166	1479258	46.896	ug/ml	94
74)	4-Chlorophenyl phenyl ...	7.878	204	696220	46.334	ug/ml	91
75)	4-Nitroaniline	7.906	138	397067M3	55.035	ug/ml	
76)	4,6-Dinitro-o-cresol	7.938	198	272034	67.273	ug/ml#	63
77)	NDPA/DPA	8.003	169	1272602	48.436	ug/ml	95
78)	Azobenzene	8.034	77	1368282	49.655	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.354	248	438567	54.211	ug/ml#	85
81)	Hexachlorobenzene	8.398	284	493916	47.791	ug/ml#	87
82)	Pentachlorophenol	8.596	266	349179	68.440	ug/ml	99
89)	Phenanthrene	8.789	178	2267394	45.452	ug/ml	99
90)	Anthracene	8.839	178	2324054	47.804	ug/ml	98
91)	Carbazole	9.013	167	2186351	49.130	ug/ml	98
92)	Di-n-butylphthalate	9.426	149	2828662	54.998	ug/ml	98
93)	Fluoranthene	9.958	202	2550034	47.649	ug/ml#	94
94)	Benzidine	10.123	184	1858216	71.130	ug/ml#	95
95)	Pyrene	10.172	202	2670011	46.659	ug/ml	99
97)	Butyl benzyl phthalate	10.906	149	1293519	60.980	ug/ml	86
105)	Benzo(a)anthracene	11.403	228	2681178	47.024	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.416	252	1060089	54.989	ug/ml	98
107)	Chrysene	11.444	228	2505579M3	44.070	ug/ml	
108)	Bis(2-ethylhexyl)phtha...	11.549	149	1972341	56.273	ug/ml#	91
109)	Di-n-octylphthalate	12.230	149	3393347	61.859	ug/ml#	72
110)	Benzo(b)fluoranthene	12.513	252	2601112	48.311	ug/ml	96
111)	Benzo(k)fluoranthene	12.544	252	2583702M3	46.909	ug/ml	
112)	Benzo(a)pyrene	12.827	252	2512216	49.978	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.852	276	2745710	59.499	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.877	278	2586375	53.412	ug/ml#	95
116)	Benzo(ghi)perylene	14.085	276	2473408	51.644	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

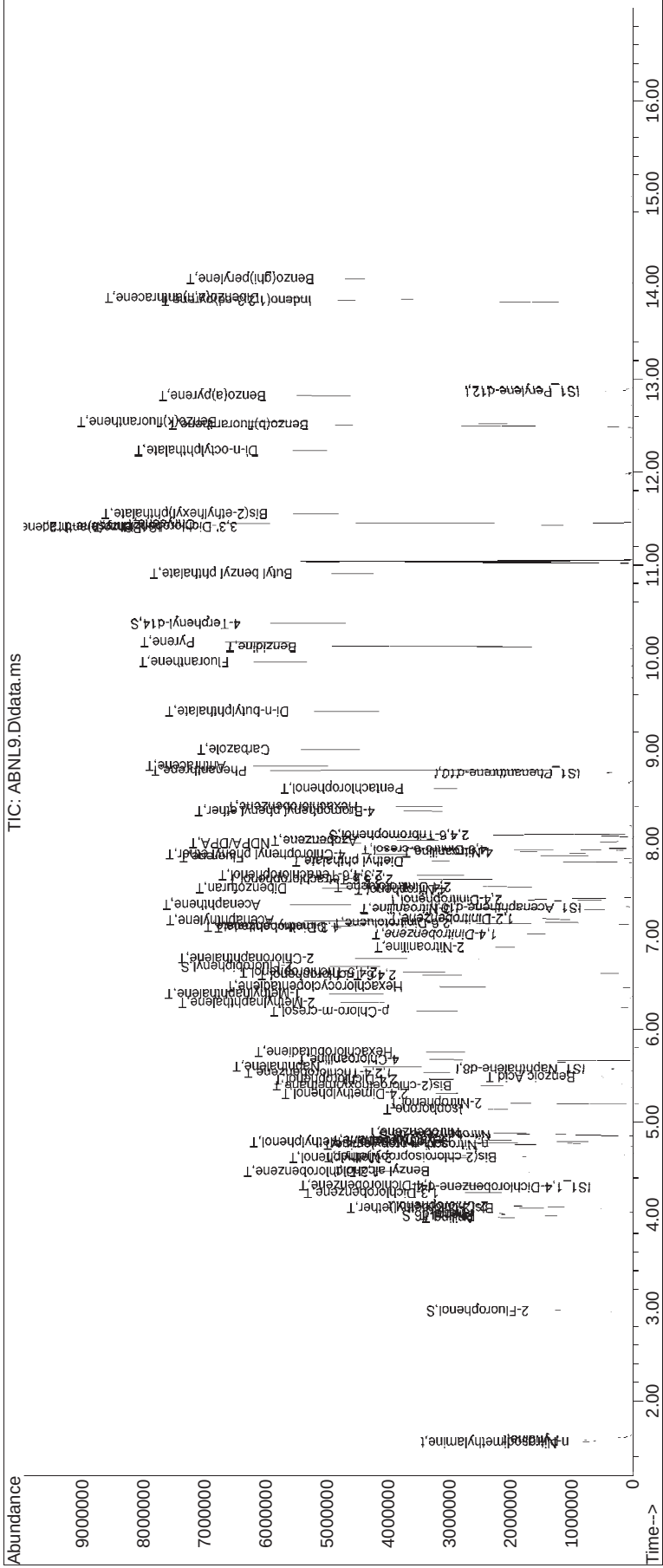
Quantitation Report

(QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL9.D
Acq On : 27 Aug 2025 8:12 pm
Operator : SV106:smz
Sample : IL2,32,,ABNL50 Lot# 11885
Misc : WG2108428,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 06:05:57 2025
Response via : Initial Calibration

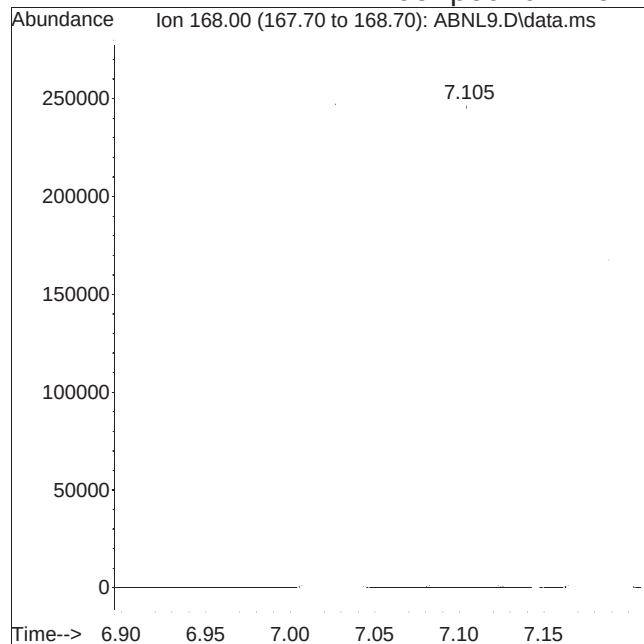
Sub List : **ABNL50** \8270\SV106\250827ICAL\AP9L6.D•



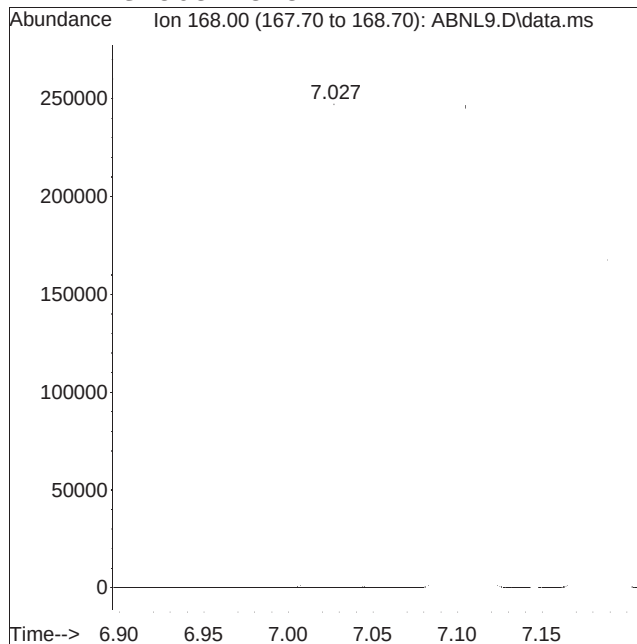
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 230355



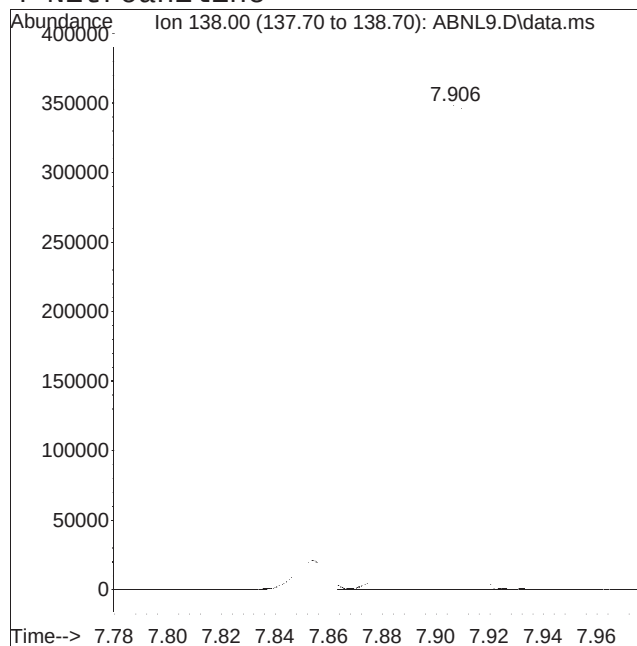
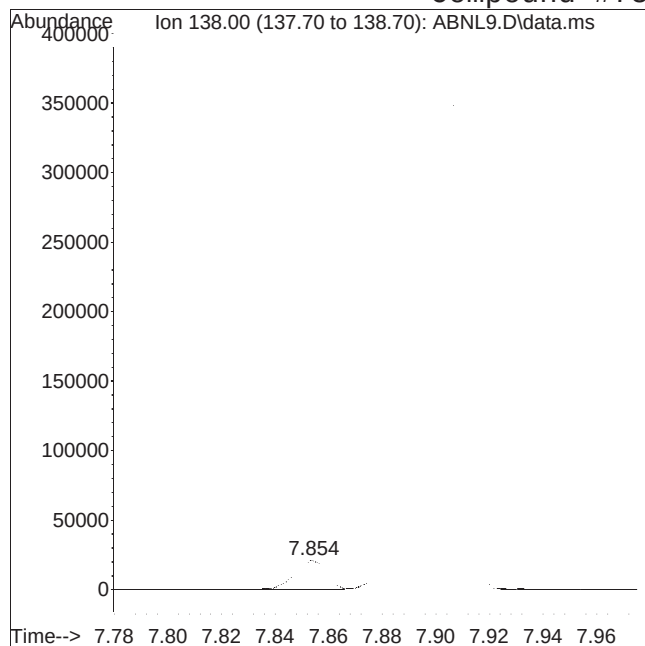
Manual Peak Response = 207550 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #75: 4-Nitroaniline



Original Peak Response = 17459

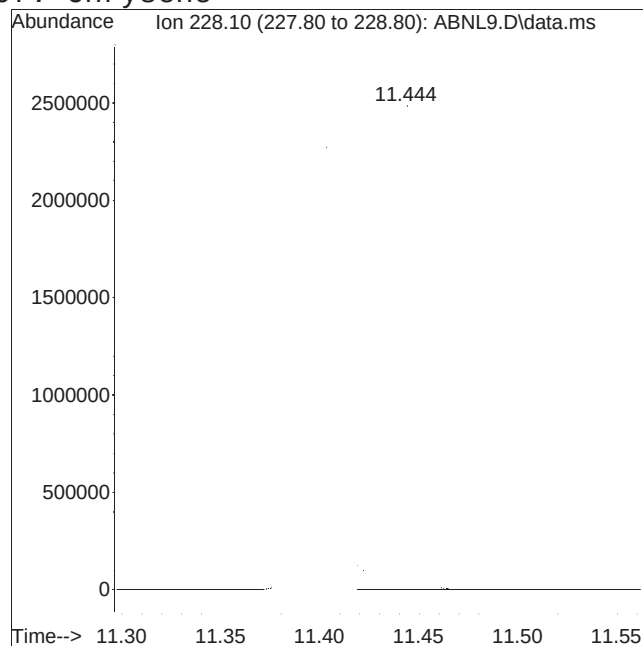
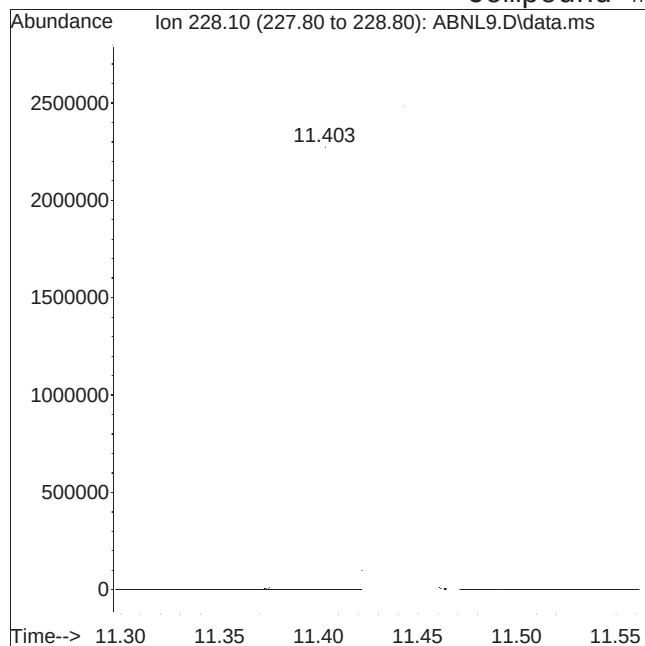
Manual Peak Response = 397067 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #107: Chrysene



Original Peak Response = 2681178

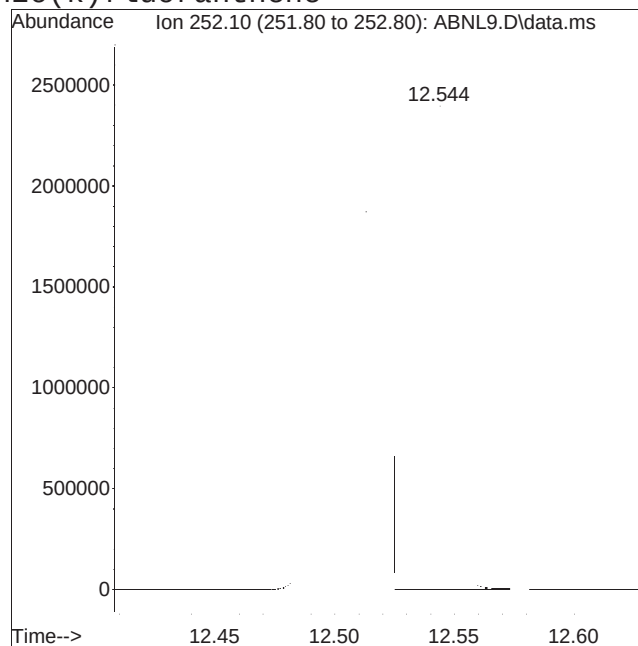
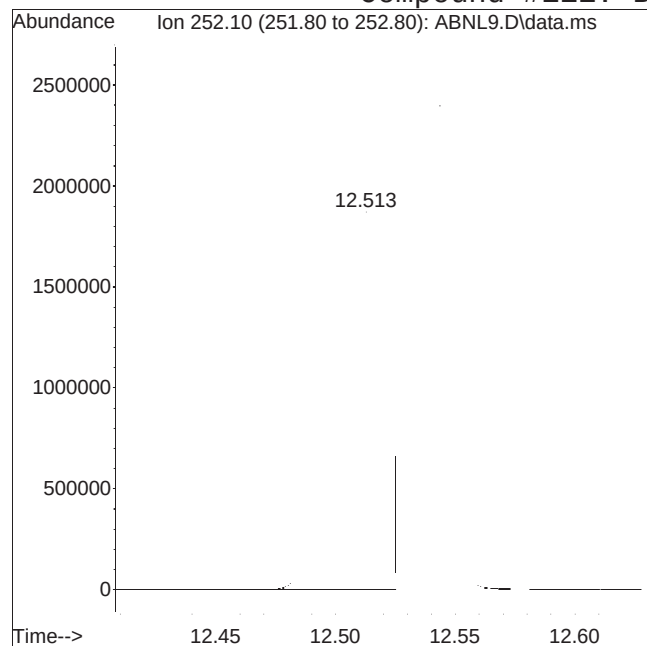
Manual Peak Response = 2505579 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 2601112

Manual Peak Response = 2583702 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL8.D
 Acq On : 27 Aug 2025 8:33 pm
 Operator : SV106:smz
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108428,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	34356	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	101.07%		
35) IS1_Naphthalene-d8	5.576	136	138969	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery =	102.85%		
63) IS1_Acenaphthene-d10	7.310	164	84598	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	105.55%		
88) IS1_Phenanthrene-d10	8.755	188	161164	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	104.14%		
104) IS1_Chrysene-d12	11.400	240	162817	4.000	ug/ml	# 0.00
Standard Area 1 = 156844			Recovery =	103.81%		
113) IS1_Perylene-d12	12.858	264	165903	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	100.59%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	256432	27.476	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1373.80%#		
7) Phenol-d6	3.997	99	307000	27.559	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1377.95%#		
19) Nitrobenzene-d5	4.867	82	291482	28.290	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2829.00%#		
46) 2-Fluorobiphenyl	6.673	172	725360	25.312	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2531.20%#		
79) 2,4,6-Tribromophenol	8.084	330	116466	29.516	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1475.80%#		
96) 4-Terphenyl-d14	10.362	244	1000771	25.153	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2515.30%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.557	74	146712	26.013	ug/ml#	72
3) Pyridine	1.582	79	262501	27.497	ug/ml#	65
5) Aniline	3.978	93	407147	29.983	ug/ml	98
6) 2-Chlorophenol	4.093	128	309706	27.525	ug/ml#	88
8) Phenol	4.009	94	333528	27.326	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	253962	25.932	ug/ml	97
10) 1,3-Dichlorobenzene	4.242	146	346626	25.110	ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	353956	25.087	ug/ml	96
12) 1,2-Dichlorobenzene	4.469	146	338184	24.863	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL8.D
 Acq On : 27 Aug 2025 8:33 pm
 Operator : SV106:smz
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108428,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.475	79	229732	28.415	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.634	45	407213	25.212	ug/ml#	55
15) 2-Methylphenol	4.615	108	261355	28.116	ug/ml	99
16) Hexachloroethane	4.808	117	135968	26.488	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.755	70	196852	28.886	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.783	108	280278	27.464	ug/ml	97
20) Nitrobenzene	4.886	77	298571	28.099	ug/ml	94
21) Isophorone	5.140	82	553204	28.760	ug/ml	98
22) 2-Nitrophenol	5.209	139	166700	32.259	ug/ml#	86
23) 2,4-Dimethylphenol	5.302	107	304368	28.555	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.392	93	354585	26.944	ug/ml	97
25) 2,4-Dichlorophenol	5.457	162	288028	29.612	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.532	180	306842	26.060	ug/ml	98
36) Naphthalene	5.594	128	945519	24.939	ug/ml	99
37) Benzoic Acid	5.451	105	237673	41.402	ug/ml	92
38) 4-Chloroaniline	5.675	65	111601	27.955	ug/ml#	62
39) Hexachlorobutadiene	5.756	225	177732	25.525	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	275540	28.665	ug/ml	94
41) 2-Methylnaphthalene	6.290	142	574913	25.784	ug/ml	95
42) 1-Methylnaphthalene	6.384	115	204337	25.972	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	241262	27.872	ug/ml	99
44) 2,4,6-Trichlorophenol	6.586	196	221040	31.239	ug/ml	99
45) 2,4,5-Trichlorophenol	6.614	196	241006	30.050	ug/ml	100
47) 2-Chloronaphthalene	6.763	162	652312	25.817	ug/ml	96
48) 2-Nitroaniline	6.881	138	223937	33.321	ug/ml#	77
49) 1,4-Dinitrobenzene	7.021	168	103763M3	33.020	ug/ml	
50) 1,3-Dinitrobenzene	7.099	168	117729	32.198	ug/ml#	1
51) Dimethyl phthalate	7.102	163	790705	26.756	ug/ml#	98
52) Acenaphthylene	7.164	152	1097655	27.337	ug/ml	99
53) 2,6-Dinitrotoluene	7.139	165	168602	30.385	ug/ml#	76
54) 1,2-Dinitrobenzene	7.179	168	73208	30.355	ug/ml#	1
64) 3-Nitroaniline	7.291	138	203953	29.221	ug/ml#	85
65) Acenaphthene	7.341	154	598975	24.732	ug/ml	91
66) 2,4-Dinitrophenol	7.394	184	104974	35.452	ug/ml#	88
67) Dibenzofuran	7.512	168	970462	24.630	ug/ml	92
68) 2,4-Dinitrotoluene	7.527	165	241048	31.016	ug/ml	88
69) 4-Nitrophenol	7.493	65	141339	29.048	ug/ml#	67
70) 2,3,5,6-Tetrachlorophenol	7.608	232	209662	32.251	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL8.D
 Acq On : 27 Aug 2025 8:33 pm
 Operator : SV106:smz
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108428,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.649	232	201396	30.029	ug/ml	97
72)	Diethyl phthalate	7.804	149	827833	25.862	ug/ml	99
73)	Fluorene	7.848	166	765194	24.807	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.876	204	360217	24.474	ug/ml	91
75)	4-Nitroaniline	7.891	138	202921	29.427	ug/ml#	78
76)	4,6-Dinitro-o-cresol	7.925	198	136129	36.427	ug/ml#	63
77)	NDPA/DPA	7.997	169	657268	25.695	ug/ml	94
78)	Azobenzene	8.028	77	702070	26.241	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.348	248	225529M3	24.991	ug/ml	
81)	Hexachlorobenzene	8.391	284	250668	24.802	ug/ml#	87
82)	Pentachlorophenol	8.590	266	171462	36.700	ug/ml	99
89)	Phenanthrene	8.780	178	1183275	24.071	ug/ml	100
90)	Anthracene	8.830	178	1211741	25.471	ug/ml	99
91)	Carbazole	9.007	167	1143852	26.388	ug/ml	99
92)	Di-n-butylphthalate	9.417	149	1461593	29.646	ug/ml	98
93)	Fluoranthene	9.946	202	1332799	25.447	ug/ml#	94
94)	Benzidine	10.113	184	952765	39.965	ug/ml#	95
95)	Pyrene	10.163	202	1412808	25.196	ug/ml	99
97)	Butyl benzyl phthalate	10.894	149	664941	33.283	ug/ml	86
105)	Benzo(a)anthracene	11.391	228	1399180	25.356	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.400	252	547268	30.014	ug/ml#	98
107)	Chrysene	11.431	228	1291077	23.213	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.537	149	1018603	30.853	ug/ml#	92
109)	Di-n-octylphthalate	12.218	149	1734516	34.097	ug/ml#	72
110)	Benzo(b)fluoranthene	12.497	252	1329534	25.538	ug/ml	96
111)	Benzo(k)fluoranthene	12.525	252	1348501	25.289	ug/ml	96
112)	Benzo(a)pyrene	12.808	252	1286485	26.611	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.831	276	1323868	29.170	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.856	278	1322105	27.540	ug/ml#	94
116)	Benzo(ghi)perylene	14.061	276	1265223	26.511	ug/ml	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

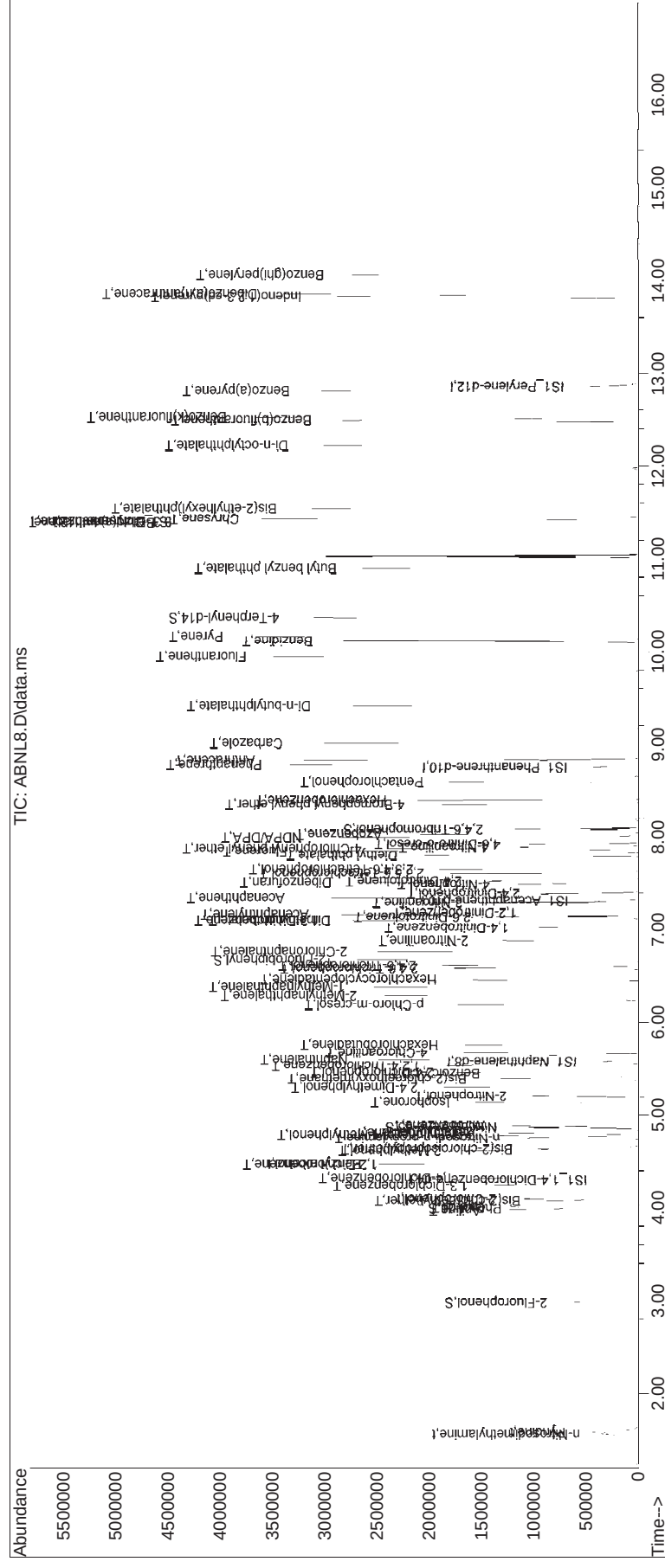
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ABNL8.D
Acq On        : 27 Aug 2025   8:33 pm
Operator      : SV106:smz
Sample        : IL3,32,,ABNL25 Lot# 11886
Misc          : WG2108428,,
ALS Vial      : 2 Sample Multiplier: 1

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Quant Time: Aug 28 06:09:48 2025
Quant Method : I:\8270\SV106\25082ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:03 2025
Response via : Initial Calibration

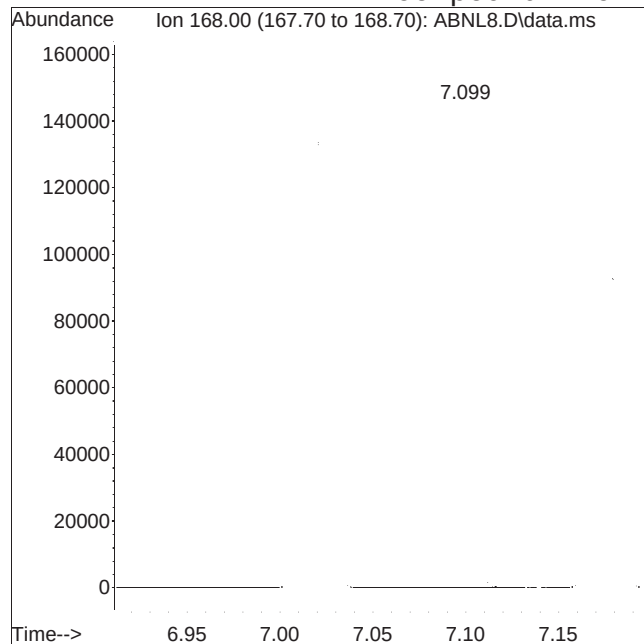
Sub List : ABNita\827ABNV106\250827SCAL\AP9L6.D.



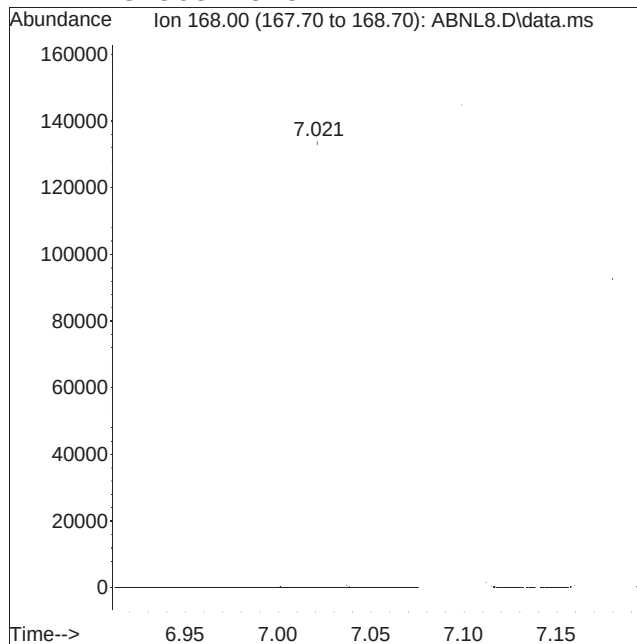
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL8.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:33 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11886 Quant Date : 8/28/2025 6:05 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 117729



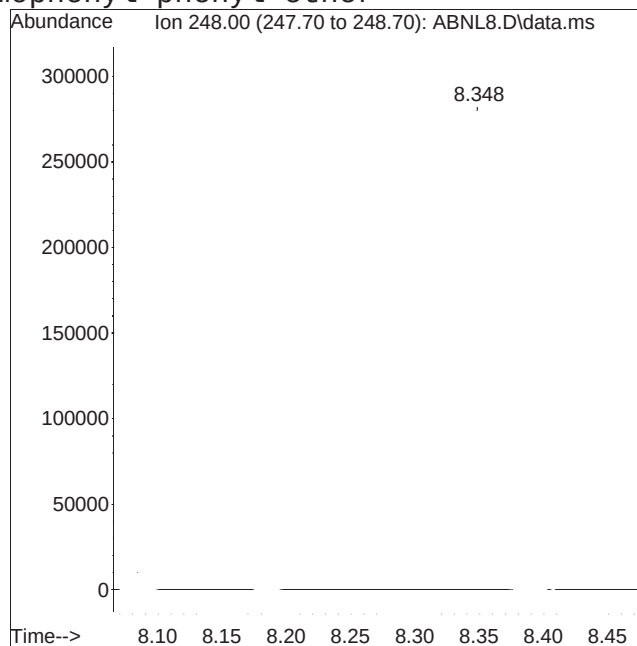
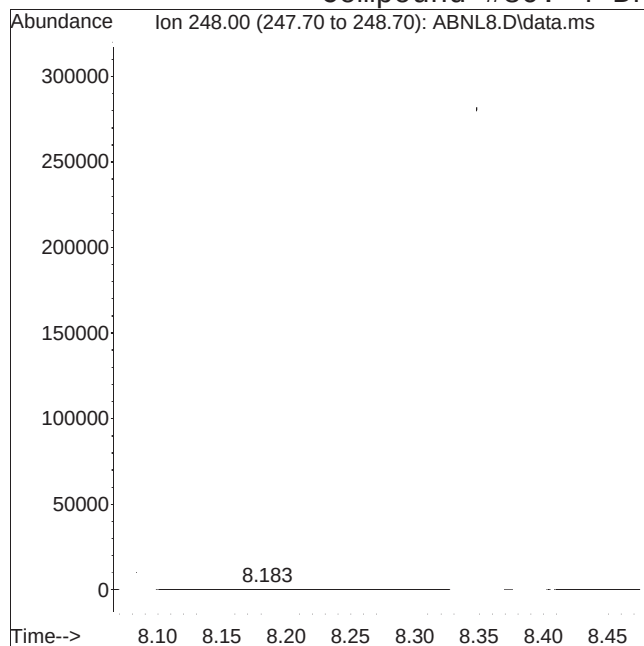
Manual Peak Response = 103763 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL8.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:33 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11886 Quant Date : 8/28/2025 6:05 am

Compound #80: 4-Bromophenyl phenyl ether



Original Peak Response = 1397

Manual Peak Response = 225529 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL7.D
 Acq On : 27 Aug 2025 9:03 pm
 Operator : SV106:smz
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108428,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:04:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.301	152	34403	4.000	ug/ml	# 0.00
Standard Area 1 = 33991			Recovery =	101.21%		
35) IS1_Naphthalene-d8	5.572	136	138164	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	102.26%		
63) IS1_Acenaphthene-d10	7.307	164	84365	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	105.26%		
88) IS1_Phenanthrene-d10	8.755	188	157203	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	101.58%		
104) IS1_Chrysene-d12	11.397	240	160087	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	102.07%		
113) IS1_Perylene-d12	12.861	264	168082	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	101.91%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.971	112	104778	11.442	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	572.10%#		
7) Phenol-d6	3.990	99	125171	11.454	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	572.70%#		
19) Nitrobenzene-d5	4.864	82	116996	11.598	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1159.80%#		
46) 2-Fluorobiphenyl	6.673	172	296171	10.464	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1046.40%#		
79) 2,4,6-Tribromophenol	8.084	330	44349	11.564	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	578.20%#		
96) 4-Terphenyl-d14	10.362	244	403040	10.452	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1045.20%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.550	74	61479	11.049	ug/ml#	70
3) Pyridine	1.578	79	109608	11.753	ug/ml#	64
5) Aniline	3.975	93	164868	12.569	ug/ml	97
6) 2-Chlorophenol	4.090	128	127461	11.566	ug/ml#	89
8) Phenol	4.003	94	136691	11.409	ug/ml	94
9) Bis(2-chloroethyl)ether	4.068	93	105499	10.895	ug/ml	94
10) 1,3-Dichlorobenzene	4.239	146	145489	10.618	ug/ml	97
11) 1,4-Dichlorobenzene	4.317	146	148552	10.606	ug/ml	95
12) 1,2-Dichlorobenzene	4.466	146	140480	10.368	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL7.D
 Acq On : 27 Aug 2025 9:03 pm
 Operator : SV106:smz
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108428,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:04:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.469	79	92248	11.665	ug/ml	96
14)	Bis(2-chloroisopropyl)...	4.631	45	168344	10.480	ug/ml#	56
15)	2-Methylphenol	4.612	108	105465	11.587	ug/ml	98
16)	Hexachloroethane	4.805	117	56323	11.135	ug/ml#	70
17)	n-Nitrosodi-n-propylamine	4.752	70	79020	11.893	ug/ml	97
18)	3-Methylphenol/4-Methy...	4.777	108	115137	11.510	ug/ml	98
20)	Nitrobenzene	4.882	77	119725	11.492	ug/ml	93
21)	Isophorone	5.137	82	221673	11.805	ug/ml	98
22)	2-Nitrophenol	5.206	139	64419	13.090	ug/ml#	86
23)	2,4-Dimethylphenol	5.299	107	122702	11.790	ug/ml	96
24)	Bis(2-chloroethoxy)met...	5.389	93	142611	10.972	ug/ml	98
25)	2,4-Dichlorophenol	5.454	162	116680	12.388	ug/ml#	95
26)	1,2,4-Trichlorobenzene	5.529	180	125780	10.788	ug/ml	99
36)	Naphthalene	5.594	128	386397	10.294	ug/ml	99
37)	Benzoic Acid	5.411	105	84513	16.831	ug/ml	93
38)	4-Chloroaniline	5.672	65	44456	11.429	ug/ml#	59
39)	Hexachlorobutadiene	5.753	225	73497	10.727	ug/ml	99
40)	p-Chloro-m-cresol	6.191	107	109523	11.746	ug/ml	94
41)	2-Methylnaphthalene	6.287	142	233823	10.645	ug/ml	96
42)	1-Methylnaphthalene	6.380	115	83110	10.737	ug/ml	91
43)	Hexachlorocyclopentadiene	6.464	237	95364	11.284	ug/ml	99
44)	2,4,6-Trichlorophenol	6.586	196	85991	12.694	ug/ml	99
45)	2,4,5-Trichlorophenol	6.614	196	95307	12.355	ug/ml	99
47)	2-Chloronaphthalene	6.760	162	264740	10.634	ug/ml	96
48)	2-Nitroaniline	6.878	138	86158	13.548	ug/ml#	79
49)	1,4-Dinitrobenzene	7.018	168	38912	13.098	ug/ml	77
50)	1,3-Dinitrobenzene	7.092	168	45706	13.255	ug/ml#	1
51)	Dimethyl phthalate	7.095	163	323002	11.179	ug/ml#	98
52)	Acenaphthylene	7.161	152	444191	11.340	ug/ml	98
53)	2,6-Dinitrotoluene	7.133	165	67517	12.812	ug/ml#	76
54)	1,2-Dinitrobenzene	7.173	168	29221	12.744	ug/ml#	1
64)	3-Nitroaniline	7.288	138	80807	11.995	ug/ml#	86
65)	Acenaphthene	7.338	154	243069	10.075	ug/ml	90
66)	2,4-Dinitrophenol	7.391	184	37813	13.772	ug/ml#	87
67)	Dibenzofuran	7.512	168	395073	10.064	ug/ml	93
68)	2,4-Dinitrotoluene	7.524	165	95374	12.797	ug/ml	89
69)	4-Nitrophenol	7.490	65	55521	11.724	ug/ml#	72
70)	2,3,5,6-Tetrachlorophenol	7.605	232	81724	13.178	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL7.D
 Acq On : 27 Aug 2025 9:03 pm
 Operator : SV106:smz
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108428,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:04:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.649	232	82135	12.766	ug/ml	99
72)	Diethyl phthalate	7.798	149	331565	10.454	ug/ml	99
73)	Fluorene	7.847	166	310744	10.119	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	146410	9.971	ug/ml	91
75)	4-Nitroaniline	7.882	138	82671	12.441	ug/ml#	77
76)	4,6-Dinitro-o-cresol	7.919	198	51601	14.795	ug/ml#	63
77)	NDPA/DPA	7.994	169	269790	10.679	ug/ml	94
78)	Azobenzene	8.025	77	282839	10.708	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.348	248	91466	10.191	ug/ml#	84
81)	Hexachlorobenzene	8.391	284	99651	9.869	ug/ml#	87
82)	Pentachlorophenol	8.590	266	65323	15.246	ug/ml	99
89)	Phenanthrene	8.777	178	478694	9.980	ug/ml	99
90)	Anthracene	8.827	178	495217	10.793	ug/ml	99
91)	Carbazole	9.004	167	468296	11.277	ug/ml	99
92)	Di-n-butylphthalate	9.417	149	572332	12.291	ug/ml#	98
93)	Fluoranthene	9.945	202	546298	10.818	ug/ml#	94
94)	Benzidine	10.110	184	371383	17.736	ug/ml#	95
95)	Pyrene	10.160	202	576196	10.630	ug/ml	99
97)	Butyl benzyl phthalate	10.897	149	252730	13.644	ug/ml	86
105)	Benzo(a)anthracene	11.391	228	564916	10.484	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.400	252	215472	12.437	ug/ml	97
107)	Chrysene	11.428	228	534330	9.734	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.540	149	400262	12.829	ug/ml#	91
109)	Di-n-octylphthalate	12.217	149	670849	14.221	ug/ml#	73
110)	Benzo(b)fluoranthene	12.494	252	545254	10.769	ug/ml	97
111)	Benzo(k)fluoranthene	12.522	252	553105	10.647	ug/ml	95
112)	Benzo(a)pyrene	12.805	252	525675	11.258	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.827	276	529641	11.818	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.852	278	534566	11.176	ug/ml#	94
116)	Benzo(ghi)perylene	14.054	276	517307	10.825	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL7.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:03 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11887 Quant Date : 8/28/2025 6:04 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL6.D
 Acq On : 27 Aug 2025 9:24 pm
 Operator : SV106:smz
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108428,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:02:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33991	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	100.00%		
35) IS1_Naphthalene-d8	5.572	136	135116	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	100.00%		
63) IS1_Acenaphthene-d10	7.307	164	80147	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	100.00%		
88) IS1_Phenanthrene-d10	8.752	188	154754	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	100.00%		
104) IS1_Chrysene-d12	11.394	240	156844	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	100.00%		
113) IS1_Perylene-d12	12.855	264	164937	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	100.00%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	48856	5.488	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	274.40%#		
7) Phenol-d6	3.994	99	57469	5.392	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	269.60%#		
19) Nitrobenzene-d5	4.864	82	53573	5.457	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	545.70%#		
46) 2-Fluorobiphenyl	6.673	172	136536	4.920	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	492.00%#		
79) 2,4,6-Tribromophenol	8.081	330	19999	5.627	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	281.35%#		
96) 4-Terphenyl-d14	10.359	244	185053	4.851	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	485.10%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.554	74	28432	5.208	ug/ml#	73
3) Pyridine	1.585	79	50314	5.563	ug/ml#	64
5) Aniline	3.975	93	77729	6.247	ug/ml	96
6) 2-Chlorophenol	4.090	128	58638	5.470	ug/ml#	90
8) Phenol	4.003	94	62032	5.291	ug/ml	94
9) Bis(2-chloroethyl)ether	4.071	93	48989	5.145	ug/ml	95
10) 1,3-Dichlorobenzene	4.242	146	68433	5.066	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	69471	5.024	ug/ml	96
12) 1,2-Dichlorobenzene	4.469	146	66356	4.948	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL6.D
 Acq On : 27 Aug 2025 9:24 pm
 Operator : SV106:smz
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108428,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:02:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	41632	5.399	ug/ml	95
14) Bis(2-chloroisopropyl)...	4.631	45	79588	5.018	ug/ml#	58
15) 2-Methylphenol	4.615	108	48169	5.434	ug/ml	97
16) Hexachloroethane	4.808	117	26338	5.328	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.752	70	35855	5.564	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.777	108	51900	5.304	ug/ml	97
20) Nitrobenzene	4.882	77	55473	5.474	ug/ml	95
21) Isophorone	5.137	82	100281	5.494	ug/ml	99
22) 2-Nitrophenol	5.209	139	28262	6.059	ug/ml#	87
23) 2,4-Dimethylphenol	5.299	107	57104	5.679	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.389	93	66295	5.196	ug/ml	98
25) 2,4-Dichlorophenol	5.454	162	52365	5.772	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.529	180	58431	5.087	ug/ml	99
36) Naphthalene	5.594	128	181757	4.942	ug/ml	99
37) Benzoic Acid	5.389	105	33189	7.656	ug/ml	94
38) 4-Chloroaniline	5.672	65	20670	5.530	ug/ml#	61
39) Hexachlorobutadiene	5.753	225	33995	5.088	ug/ml	98
40) p-Chloro-m-cresol	6.191	107	48797	5.428	ug/ml	92
41) 2-Methylnaphthalene	6.287	142	107089	4.982	ug/ml	96
42) 1-Methylnaphthalene	6.381	115	37840	4.999	ug/ml	87
43) Hexachlorocyclopentadiene	6.464	237	43566	5.329	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	38497	6.006	ug/ml	99
45) 2,4,5-Trichlorophenol	6.611	196	42620	5.800	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	121919	5.009	ug/ml	96
48) 2-Nitroaniline	6.878	138	37886	6.370	ug/ml#	78
49) 1,4-Dinitrobenzene	7.015	168	17175	6.194	ug/ml	78
50) 1,3-Dinitrobenzene	7.089	168	20241	6.319	ug/ml#	1
51) Dimethyl phthalate	7.092	163	146634	5.229	ug/ml#	99
52) Acenaphthylene	7.161	152	204864	5.424	ug/ml	98
53) 2,6-Dinitrotoluene	7.133	165	29659	5.981	ug/ml#	77
54) 1,2-Dinitrobenzene	7.170	168	13384	6.273	ug/ml#	1
64) 3-Nitroaniline	7.282	138	36518	5.915	ug/ml#	87
65) Acenaphthene	7.335	154	112128	4.871	ug/ml	91
66) 2,4-Dinitrophenol	7.388	184	15835	6.537	ug/ml	89
67) Dibenzofuran	7.509	168	182075	4.859	ug/ml	94
68) 2,4-Dinitrotoluene	7.521	165	42714	6.293	ug/ml	91
69) 4-Nitrophenol	7.487	65	25091	5.709	ug/ml#	76
70) 2,3,5,6-Tetrachlorophenol	7.605	232	36826	6.580	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL6.D
 Acq On : 27 Aug 2025 9:24 pm
 Operator : SV106:smz
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108428,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:02:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	36773	6.271	ug/ml	99
72)	Diethyl phthalate	7.795	149	153497	5.114	ug/ml	99
73)	Fluorene	7.844	166	142500	4.862	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	68570	4.899	ug/ml	90
75)	4-Nitroaniline	7.879	138	36722	6.013	ug/ml#	79
76)	4,6-Dinitro-o-cresol	7.916	198	21901	7.065	ug/ml#	64
77)	NDPA/DPA	7.991	169	123781	5.190	ug/ml	93
78)	Azobenzene	8.022	77	131853	5.309	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	41347	4.820	ug/ml#	85
81)	Hexachlorobenzene	8.388	284	45957	4.751	ug/ml#	87
82)	Pentachlorophenol	8.587	266	27637	7.457	ug/ml	99
89)	Phenanthrene	8.777	178	225951	4.745	ug/ml	100
90)	Anthracene	8.827	178	227747	5.051	ug/ml	99
91)	Carbazole	9.001	167	216146	5.349	ug/ml	99
92)	Di-n-butylphthalate	9.414	149	257929	5.771	ug/ml	98
93)	Fluoranthene	9.942	202	252651	5.099	ug/ml#	94
94)	Benzidine	10.107	184	161995	8.873	ug/ml#	95
95)	Pyrene	10.157	202	268318	5.034	ug/ml	99
97)	Butyl benzyl phthalate	10.890	149	108876	6.212	ug/ml	86
105)	Benzo(a)anthracene	11.385	228	258370	4.874	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	96963	5.880	ug/ml	97
107)	Chrysene	11.419	228	250509	4.595	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	177417	5.997	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	283757	6.433	ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	243531	4.892	ug/ml	94
111)	Benzo(k)fluoranthene	12.513	252	262004	5.178	ug/ml	96
112)	Benzo(a)pyrene	12.796	252	240526	5.312	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	237078	5.476	ug/mL	96
115)	Dibenzo(a,h)anthracene	13.843	278	246196	5.297	ug/ml#	94
116)	Benzo(ghi)perylene	14.042	276	237391	5.075	ug/ml	92

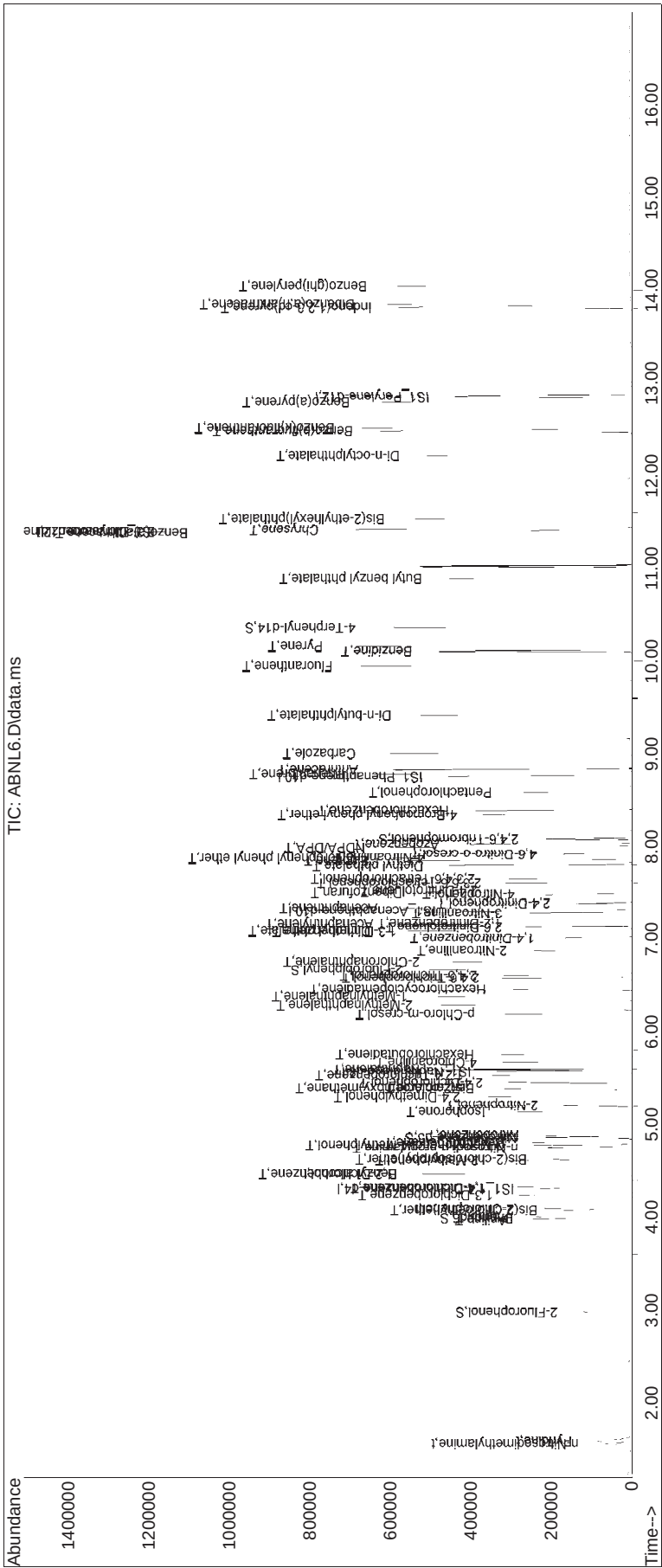
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL6.D
Acq On : 27 Aug 2025 9:24 pm
Operator : SV106:smz
Sample : IL5,32,,ABNL5 Lot# 11888
Misc : WG2108428,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 06:02:52 2025
Response via : Initial Calibration

Sub List : **ABNL6.D\250827ICAL\AP9L6.D**



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ABNL6.D	Operator	: SV106:smz
Date Inj'd	: 8/27/2025 9:24 pm	Instrument	: SV 106
Sample	: IL5,32,,ABNL5 Lot# 11888	Quant Date	: 8/28/2025 6:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL5.D
 Acq On : 27 Aug 2025 9:46 pm
 Operator : SV106:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108428,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:01:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33459	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	98.43%		
35) IS1_Naphthalene-d8	5.572	136	132859	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	98.33%		
63) IS1_Acenaphthene-d10	7.307	164	78031	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	97.36%		
88) IS1_Phenanthrene-d10	8.752	188	152871	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	98.78%		
104) IS1_Chrysene-d12	11.391	240	152364	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	97.14%		
113) IS1_Perylene-d12	12.852	264	164158	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	99.53%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.974	112	23988	2.804	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	140.20%#		
7) Phenol-d6	3.993	99	28070	2.723	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	136.15%#		
19) Nitrobenzene-d5	4.864	82	25994	2.742	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	274.20%#		
46) 2-Fluorobiphenyl	6.673	172	68514	2.513	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	251.30%#		
79) 2,4,6-Tribromophenol	8.081	330	9631	2.893	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	144.65%#		
96) 4-Terphenyl-d14	10.359	244	91993	2.427	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	242.70%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.557	74	13837	2.594	ug/ml#	73
3) Pyridine	1.591	79	25236	2.933	ug/ml#	66
5) Aniline	3.978	93	37442	3.237	ug/ml	98
6) 2-Chlorophenol	4.093	128	28588	2.767	ug/ml#	89
8) Phenol	4.006	94	30860	2.722	ug/ml	95
9) Bis(2-chloroethyl)ether	4.071	93	24162	2.598	ug/ml	99
10) 1,3-Dichlorobenzene	4.245	146	33292	2.505	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	34586	2.551	ug/ml	97
12) 1,2-Dichlorobenzene	4.472	146	33191	2.518	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL5.D
 Acq On : 27 Aug 2025 9:46 pm
 Operator : SV106:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108428,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:01:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	20491	2.755	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.634	45	39782	2.560	ug/ml#	70
15) 2-Methylphenol	4.615	108	23129	2.691	ug/ml	97
16) Hexachloroethane	4.808	117	13076	2.738	ug/ml#	71
17) n-Nitrosodi-n-propylamine	4.752	70	17635	2.860	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.777	108	25376	2.671	ug/ml	96
20) Nitrobenzene	4.882	77	26980	2.761	ug/ml	95
21) Isophorone	5.137	82	48779	2.775	ug/ml	98
22) 2-Nitrophenol	5.209	139	13270	3.048	ug/ml#	86
23) 2,4-Dimethylphenol	5.299	107	26940	2.783	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.389	93	33737	2.737	ug/ml	99
25) 2,4-Dichlorophenol	5.454	162	25355	2.939	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.529	180	29191	2.603	ug/ml	99
36) Naphthalene	5.594	128	89933	2.484	ug/ml	99
37) Benzoic Acid	5.377	105	13414	3.615	ug/ml	94
38) 4-Chloroaniline	5.672	65	10141	2.833	ug/ml#	60
39) Hexachlorobutadiene	5.753	225	16737	2.560	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	23660	2.724	ug/ml	94
41) 2-Methylnaphthalene	6.287	142	52546	2.483	ug/ml	94
42) 1-Methylnaphthalene	6.380	115	19226	2.604	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	21266	2.685	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	17948	2.950	ug/ml	96
45) 2,4,5-Trichlorophenol	6.614	196	20476	2.932	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	60225	2.521	ug/ml	96
48) 2-Nitroaniline	6.878	138	17193	3.075	ug/ml#	82
49) 1,4-Dinitrobenzene	7.015	168	7944	3.084	ug/ml	76
50) 1,3-Dinitrobenzene	7.089	168	9038	3.018	ug/ml#	1
51) Dimethyl phthalate	7.092	163	71563	2.620	ug/ml#	98
52) Acenaphthylene	7.161	152	99002	2.710	ug/ml	98
53) 2,6-Dinitrotoluene	7.130	165	14214	3.086	ug/ml#	77
54) 1,2-Dinitrobenzene	7.170	168	6296	3.216	ug/ml#	1
64) 3-Nitroaniline	7.285	138	17413	3.059	ug/ml#	88
65) Acenaphthene	7.338	154	55491	2.470	ug/ml	92
66) 2,4-Dinitrophenol	7.387	184	6753	3.088	ug/ml	91
67) Dibenzofuran	7.509	168	90079	2.462	ug/ml	95
68) 2,4-Dinitrotoluene	7.521	165	19535	3.097	ug/ml	94
69) 4-Nitrophenol	7.484	65	11528	2.747	ug/ml#	72
70) 2,3,5,6-Tetrachlorophenol	7.602	232	17246	3.390	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL5.D
 Acq On : 27 Aug 2025 9:46 pm
 Operator : SV106:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108428,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:01:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	17457	3.238	ug/ml	98
72)	Diethyl phthalate	7.795	149	73993	2.540	ug/ml	99
73)	Fluorene	7.844	166	71519	2.508	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	34029	2.496	ug/ml	90
75)	4-Nitroaniline	7.875	138	16961	2.957	ug/ml#	80
76)	4,6-Dinitro-o-cresol	7.913	198	9796	3.507	ug/ml#	67
77)	NDPA/DPA	7.990	169	60263	2.620	ug/ml	94
78)	Azobenzene	8.022	77	64627	2.719	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	20697	2.473	ug/ml#	85
81)	Hexachlorobenzene	8.388	284	23450	2.487	ug/ml#	87
82)	Pentachlorophenol	8.587	266	12143	3.804	ug/ml	98
89)	Phenanthrene	8.777	178	111191	2.332	ug/ml	100
90)	Anthracene	8.827	178	111761	2.511	ug/ml	99
91)	Carbazole	9.001	167	105218	2.672	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	120726	2.800	ug/ml	98
93)	Fluoranthene	9.942	202	123891M3	2.539	ug/ml	
94)	Benzidine	10.104	184	72311	4.723	ug/ml#	95
95)	Pyrene	10.154	202	132122	2.512	ug/ml	100
97)	Butyl benzyl phthalate	10.890	149	49602	2.974	ug/ml	86
105)	Benzo(a)anthracene	11.381	228	127121	2.461	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	46105	2.991	ug/ml	98
107)	Chrysene	11.416	228	126099	2.353	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	81893	2.953	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	126496	3.092	ug/ml#	73
110)	Benzo(b)fluoranthene	12.482	252	121066	2.504	ug/ml	94
111)	Benzo(k)fluoranthene	12.510	252	130243M3	2.690	ug/ml	
112)	Benzo(a)pyrene	12.792	252	117112	2.707	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.812	276	113109	2.658	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.837	278	118633	2.581	ug/ml#	94
116)	Benzo(ghi)perylene	14.036	276	116099	2.492	ug/ml	93

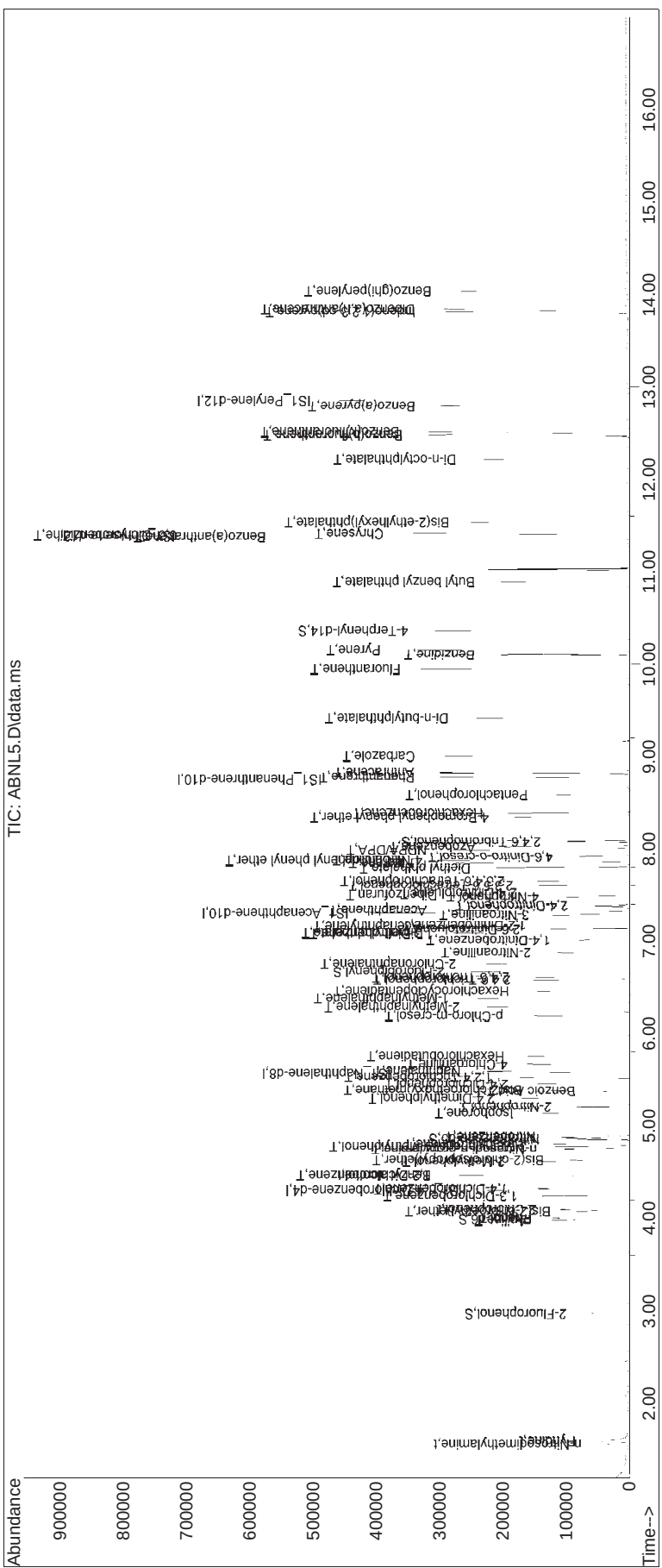
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL5.D
Acq On : 27 Aug 2025 9:46 pm
Operator : SV106:smz
Sample : IL6,32,,ABNL2.5 Lot# 11889
Misc : WG2108428,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 06:01:14 2025
Response via : Initial Calibration

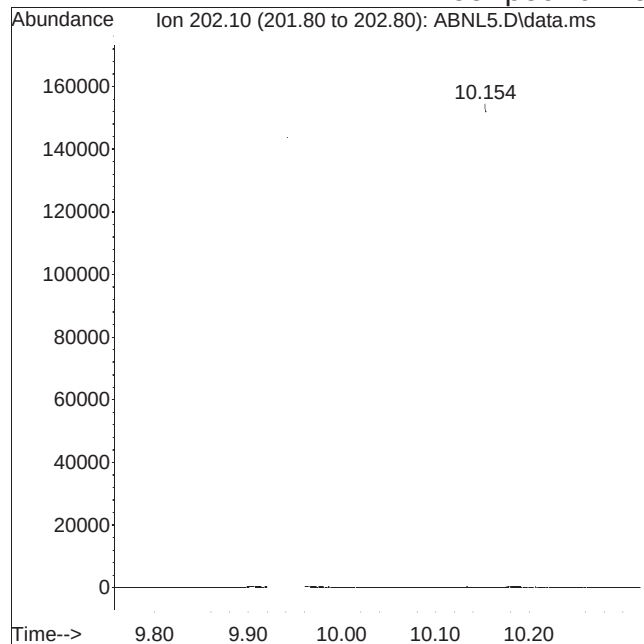
Sub List : **ABNL5\8270\SV106\250827ICAL\AP9L6.D•**



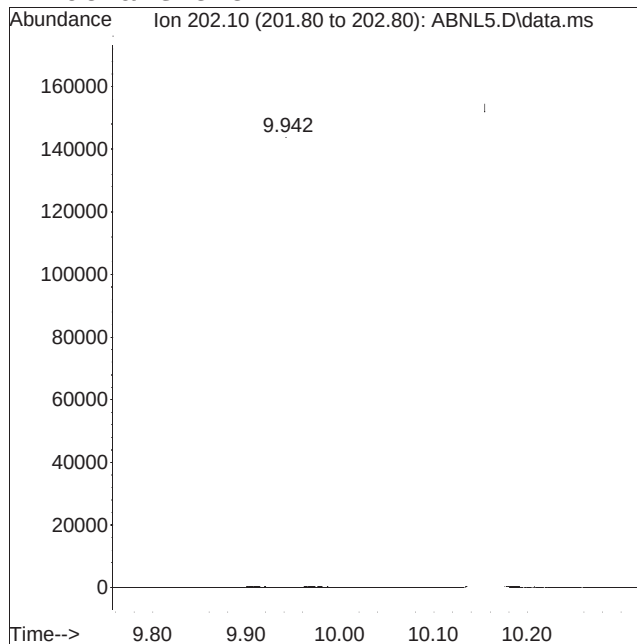
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL5.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:46 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11889 Quant Date : 8/28/2025 6:01 am

Compound #93: Fluoranthene



Original Peak Response = 131935



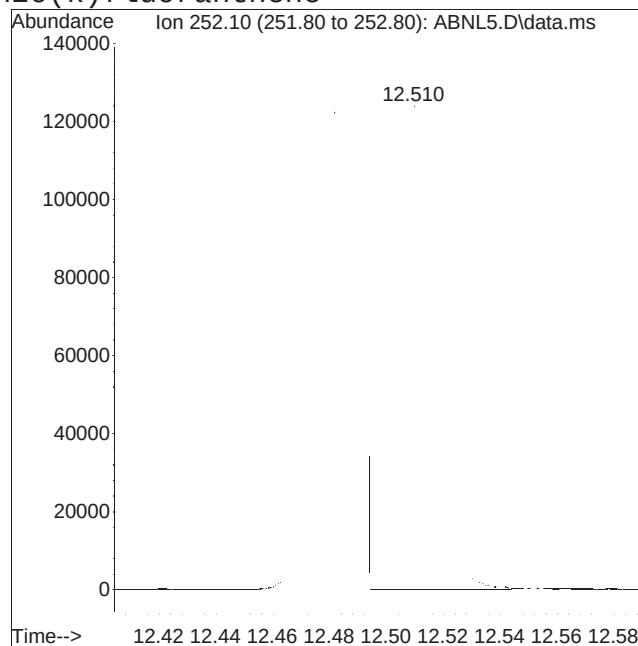
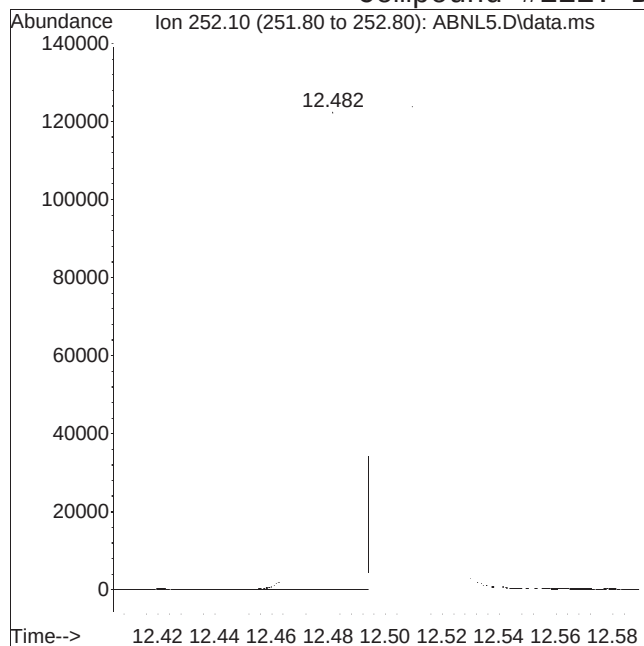
Manual Peak Response = 123891 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL5.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:46 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11889 Quant Date : 8/28/2025 6:01 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 121066

Manual Peak Response = 130243 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL4.D
 Acq On : 27 Aug 2025 10:07 pm
 Operator : SV106:smz
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108428,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	32970	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	97.00%		
35) IS1_Naphthalene-d8	5.572	136	129515	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	95.85%		
63) IS1_Acenaphthene-d10	7.307	164	75824	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	94.61%		
88) IS1_Phenanthrene-d10	8.755	188	145383	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery =	93.94%		
104) IS1_Chrysene-d12	11.391	240	146136	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	93.17%		
113) IS1_Perylene-d12	12.855	264	159462	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	96.68%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.980	112	8820	0.968	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.40%		
7) Phenol-d6	3.993	99	10501	0.967	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.35%		
19) Nitrobenzene-d5	4.867	82	9829	0.972	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	97.20%		
46) 2-Fluorobiphenyl	6.670	172	26161	0.985	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	98.50%		
79) 2,4,6-Tribromophenol	8.081	330	3521	0.958	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	47.90%		
96) 4-Terphenyl-d14	10.359	244	34789	0.974	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	97.40%		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.557	74	5363	0.986	ug/ml#	73
3) Pyridine	1.600	79	9200	0.987	ug/ml#	67
5) Aniline	3.978	93	14555	1.016	ug/ml	96
6) 2-Chlorophenol	4.093	128	10885	0.992	ug/ml#	88
8) Phenol	4.006	94	11787	0.992	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	9560	1.015	ug/ml#	85
10) 1,3-Dichlorobenzene	4.242	146	12946	0.983	ug/ml	95
11) 1,4-Dichlorobenzene	4.320	146	13319	0.989	ug/ml	99
12) 1,2-Dichlorobenzene	4.469	146	12688	0.979	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL4.D
 Acq On : 27 Aug 2025 10:07 pm
 Operator : SV106:smz
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108428,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.472	79	7742	0.974	ug/ml	98
14)	Bis(2-chloroisopropyl)...	4.634	45	15447	1.004	ug/ml#	58
15)	2-Methylphenol	4.615	108	8984	0.987	ug/ml	99
16)	Hexachloroethane	4.808	117	4979	1.004	ug/ml#	74
17)	n-Nitrosodi-n-propylamine	4.752	70	6635	0.988	ug/ml	95
18)	3-Methylphenol/4-Methy...	4.777	108	9646	0.970	ug/ml	98
20)	Nitrobenzene	4.886	77	9928	0.956	ug/ml	94
21)	Isophorone	5.137	82	17945	0.948	ug/ml	100
22)	2-Nitrophenol	5.209	139	4406	0.835	ug/ml	91
23)	2,4-Dimethylphenol	5.299	107	10043	0.958	ug/ml	95
24)	Bis(2-chloroethoxy)met...	5.389	93	12469	0.978	ug/ml#	98
25)	2,4-Dichlorophenol	5.454	162	9353	0.970	ug/ml#	94
26)	1,2,4-Trichlorobenzene	5.529	180	11375	1.004	ug/ml	97
36)	Naphthalene	5.594	128	34993	0.999	ug/ml	100
37)	Benzoic Acid	5.364	105	4272	1.227	ug/ml	94
38)	4-Chloroaniline	5.672	65	3955	1.044	ug/ml#	67
39)	Hexachlorobutadiene	5.756	225	6427	0.990	ug/ml	99
40)	p-Chloro-m-cresol	6.191	107	8247	0.897	ug/ml	89
41)	2-Methylnaphthalene	6.287	142	20383	0.983	ug/ml	97
42)	1-Methylnaphthalene	6.380	115	7110	0.967	ug/ml	86
43)	Hexachlorocyclopentadiene	6.461	237	8091	0.984	ug/ml	99
44)	2,4,6-Trichlorophenol	6.583	196	6818	0.987	ug/ml	96
45)	2,4,5-Trichlorophenol	6.611	196	7134	0.920	ug/ml	97
47)	2-Chloronaphthalene	6.760	162	23476	0.997	ug/ml	97
48)	2-Nitroaniline	6.875	138	6053	0.907	ug/ml#	79
49)	1,4-Dinitrobenzene	7.015	168	2908	0.925	ug/ml	78
50)	1,3-Dinitrobenzene	7.089	168	2959	0.818	ug/ml#	1
51)	Dimethyl phthalate	7.092	163	27351	0.986	ug/ml#	98
52)	Acenaphthylene	7.161	152	36958	0.975	ug/ml	100
53)	2,6-Dinitrotoluene	7.130	165	4966	0.918	ug/ml#	80
54)	1,2-Dinitrobenzene	7.167	168	2238	0.951	ug/ml#	1
64)	3-Nitroaniline	7.282	138	6014	0.929	ug/ml#	89
65)	Acenaphthene	7.335	154	21600	1.003	ug/ml	91
66)	2,4-Dinitrophenol	7.388	184	2361	0.752	ug/ml#	84
67)	Dibenzofuran	7.509	168	35271	1.009	ug/ml	95
68)	2,4-Dinitrotoluene	7.521	165	6602	0.906	ug/ml	99
69)	4-Nitrophenol	7.484	65	4161	0.922	ug/ml#	74
70)	2,3,5,6-Tetrachlorophenol	7.602	232	5979	0.928	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL4.D
 Acq On : 27 Aug 2025 10:07 pm
 Operator : SV106:smz
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108428,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	6047	0.967	ug/ml	96
72)	Diethyl phthalate	7.795	149	27875	0.970	ug/ml	99
73)	Fluorene	7.844	166	26852	0.979	ug/ml	95
74)	4-Chlorophenyl phenyl ...	7.872	204	13071	1.002	ug/ml	90
75)	4-Nitroaniline	7.875	138	6109	0.956	ug/ml#	79
76)	4,6-Dinitro-o-cresol	7.913	198	3328	0.821	ug/ml#	65
77)	NDPA/DPA	7.990	169	23020	1.004	ug/ml	96
78)	Azobenzene	8.022	77	23759	0.985	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	7918	0.984	ug/ml#	83
81)	Hexachlorobenzene	8.388	284	8800	0.977	ug/ml#	86
82)	Pentachlorophenol	8.587	266	3728	0.703	ug/ml	99
89)	Phenanthrene	8.774	178	42826	0.980	ug/ml	99
90)	Anthracene	8.827	178	41695	0.974	ug/ml	99
91)	Carbazole	9.001	167	38867	0.989	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	42427	0.922	ug/ml	99
93)	Fluoranthene	9.942	202	46320M3	0.983	ug/ml	
94)	Benzidine	10.104	184	21771	0.720	ug/ml#	96
95)	Pyrene	10.154	202	50320	1.001	ug/ml	100
97)	Butyl benzyl phthalate	10.890	149	16645	0.866	ug/ml	90
105)	Benzo(a)anthracene	11.385	228	47845	0.971	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	16110	0.950	ug/ml	98
107)	Chrysene	11.419	228	48588	0.995	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	27600	0.892	ug/ml#	90
109)	Di-n-octylphthalate	12.211	149	41100	0.793	ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	46355	0.993	ug/ml	97
111)	Benzo(k)fluoranthene	12.513	252	48092M3	1.010	ug/ml	
112)	Benzo(a)pyrene	12.796	252	44388	1.015	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	42365	0.932	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.843	278	45654	0.970	ug/ml	95
116)	Benzo(ghi)perylene	14.039	276	44301	0.955	ug/ml	94

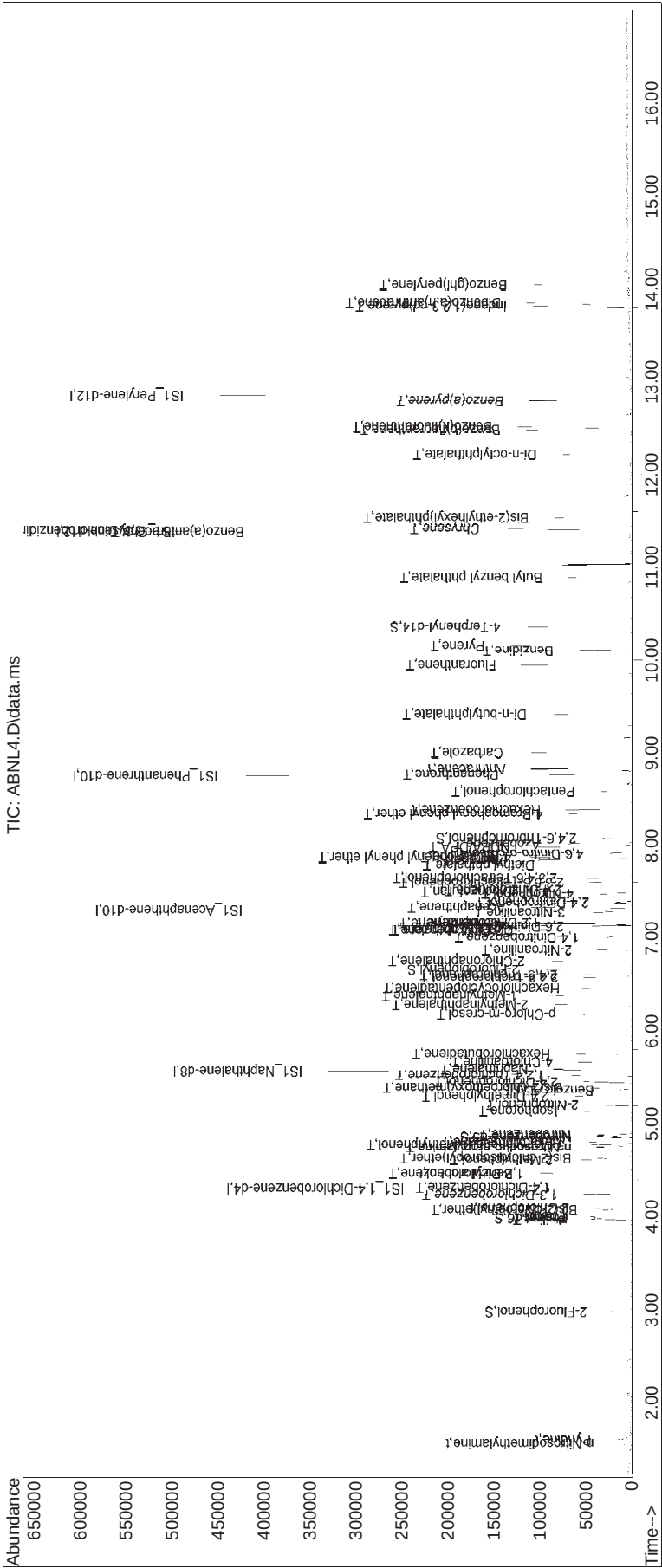
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL4.D
Acq On : 27 Aug 2025 10:07 pm
Operator : SV106:smz
Sample : IL7,32,,ABNL1 Lot# 11890
Misc : WG2108428,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

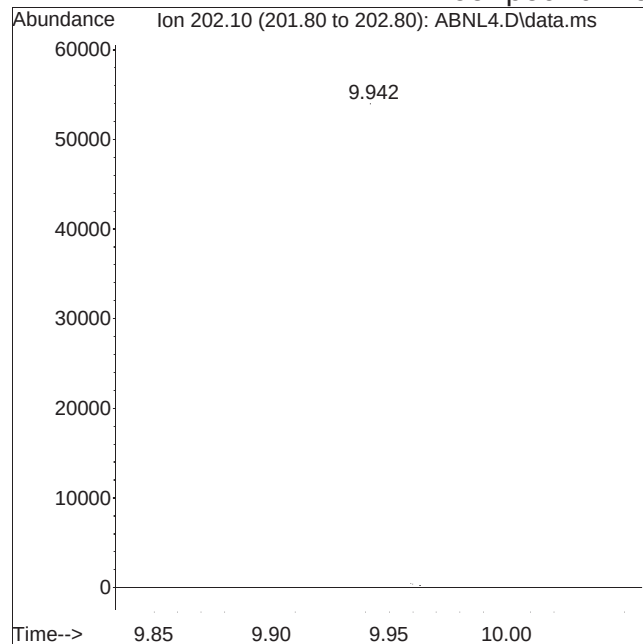
Sub List : ABNL4\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

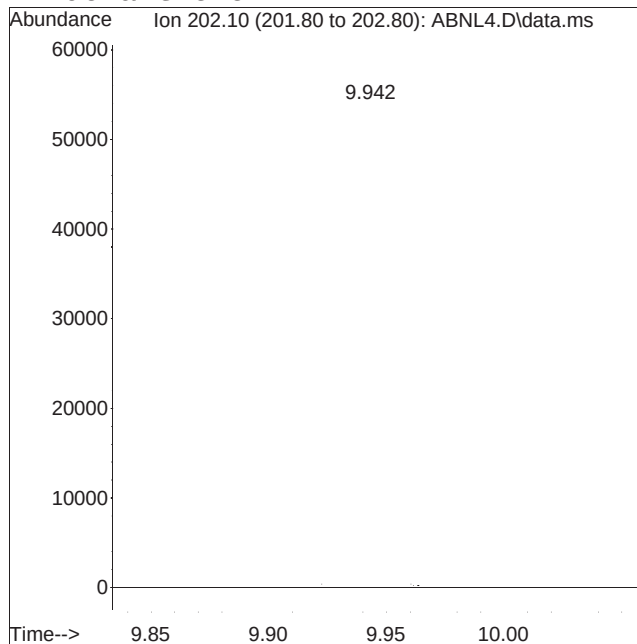
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL4.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:07 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11890 Quant Date : 8/28/2025 10:25 am

Compound #93: Fluoranthene



Original Peak Response = 46326

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

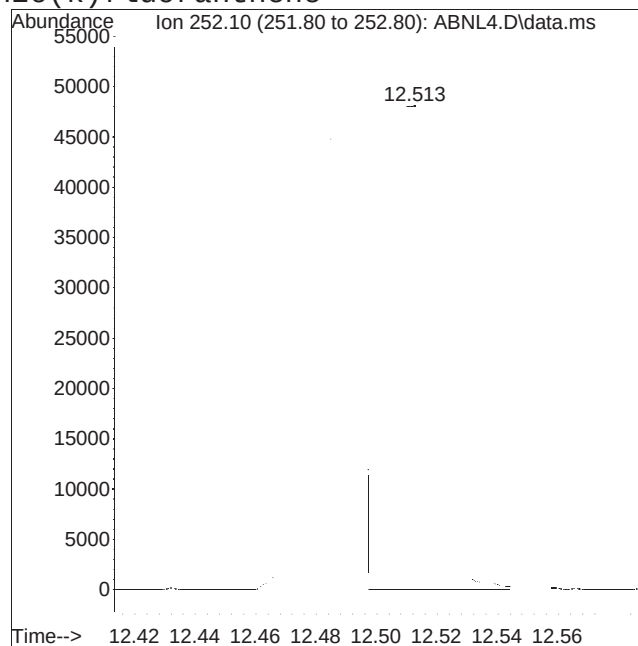
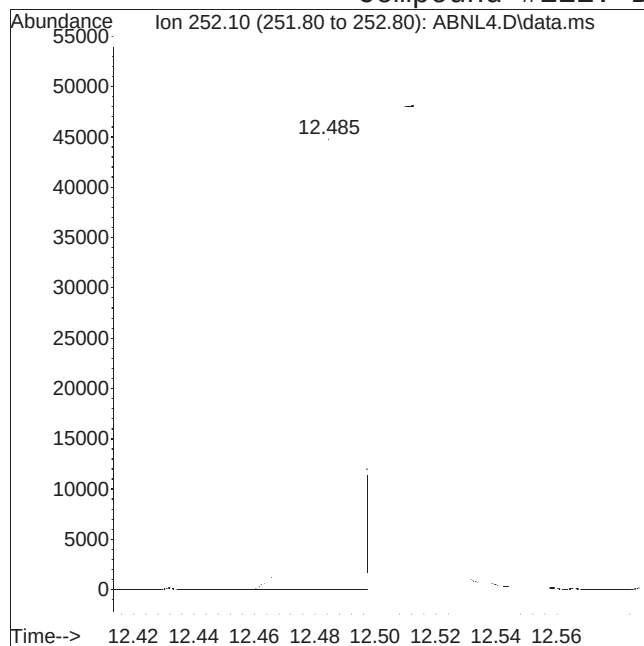


Manual Peak Response = 46320 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL4.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:07 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11890 Quant Date : 8/28/2025 10:25 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 46355

Manual Peak Response = 48092 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL3.D
 Acq On : 27 Aug 2025 10:28 pm
 Operator : SV106:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108428,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	32913	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	96.83%		
35) IS1_Naphthalene-d8	5.572	136	128086	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	94.80%		
63) IS1_Acenaphthene-d10	7.307	164	73377	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	91.55%		
88) IS1_Phenanthrene-d10	8.752	188	141605	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	91.50%		
104) IS1_Chrysene-d12	11.391	240	140335	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	89.47%		
113) IS1_Perylene-d12	12.851	264	156713	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	95.01%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	4118	0.453	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	22.65%		
7) Phenol-d6	3.993	99	5313	0.490	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	24.50%		
19) Nitrobenzene-d5	4.867	82	4728	0.469	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	46.90%		
46) 2-Fluorobiphenyl	6.673	172	12749	0.485	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	48.50%		
79) 2,4,6-Tribromophenol	8.077	330	1596	0.449	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	22.45%		
96) 4-Terphenyl-d14	10.359	244	16587	0.477	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	47.70%		
Target Compounds						
2) n-Nitrosodimethylamine	1.557	74	2668	0.491	ug/ml#	67
3) Pyridine	1.603	79	4463M1	0.480	ug/ml	
5) Aniline	3.975	93	6496	0.454	ug/ml	96
6) 2-Chlorophenol	4.093	128	5137	0.469	ug/ml#	90
8) Phenol	4.006	94	5768	0.486	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	4747	0.505	ug/ml	86
10) 1,3-Dichlorobenzene	4.245	146	6579	0.500	ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	6896	0.513	ug/ml	97
12) 1,2-Dichlorobenzene	4.472	146	6610	0.511	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL3.D
 Acq On : 27 Aug 2025 10:28 pm
 Operator : SV106:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108428,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	3733	0.470	ug/ml	93
14) Bis(2-chloroisopropyl)...	4.634	45	7711	0.502	ug/ml#	72
15) 2-Methylphenol	4.615	108	4449	0.490	ug/ml	100
16) Hexachloroethane	4.808	117	2438	0.492	ug/ml#	75
17) n-Nitrosodi-n-propylamine	4.752	70	2892	0.432	ug/ml#	90
18) 3-Methylphenol/4-Methy...	4.777	108	4504	0.454	ug/ml#	97
20) Nitrobenzene	4.885	77	5038	0.486	ug/ml#	95
21) Isophorone	5.137	82	8684	0.460	ug/ml#	91
22) 2-Nitrophenol	5.209	139	2196	0.417	ug/ml#	76
23) 2,4-Dimethylphenol	5.302	107	4597	0.439	ug/ml	91
24) Bis(2-chloroethoxy)met...	5.389	93	6140	0.483	ug/ml#	95
25) 2,4-Dichlorophenol	5.454	162	4338	0.451	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.529	180	5399	0.478	ug/ml	95
36) Naphthalene	5.594	128	17375	0.502	ug/ml	99
37) Benzoic Acid	5.361	105	1465	0.910	ug/ml	93
38) 4-Chloroaniline	5.675	65	1813	0.484	ug/ml#	61
39) Hexachlorobutadiene	5.756	225	3256	0.507	ug/ml	96
40) p-Chloro-m-cresol	6.191	107	4253	0.468	ug/ml	99
41) 2-Methylnaphthalene	6.287	142	9710	0.473	ug/ml	93
42) 1-Methylnaphthalene	6.380	115	3643	0.501	ug/ml	93
43) Hexachlorocyclopentadiene	6.464	237	3701	0.455	ug/ml#	95
44) 2,4,6-Trichlorophenol	6.585	196	3152	0.461	ug/ml	95
45) 2,4,5-Trichlorophenol	6.610	196	3154	0.411	ug/ml	95
47) 2-Chloronaphthalene	6.760	162	11439	0.491	ug/ml	96
48) 2-Nitroaniline	6.878	138	2723	0.413	ug/ml#	83
49) 1,4-Dinitrobenzene	7.018	168	1152	0.371	ug/ml	85
50) 1,3-Dinitrobenzene	7.089	168	1424	0.398	ug/ml#	1
51) Dimethyl phthalate	7.092	163	12588	0.459	ug/ml#	96
52) Acenaphthylene	7.160	152	17344	0.463	ug/ml	98
53) 2,6-Dinitrotoluene	7.129	165	2113	0.395	ug/ml#	83
54) 1,2-Dinitrobenzene	7.167	168	857	0.368	ug/ml#	1
64) 3-Nitroaniline	7.285	138	2624	0.419	ug/ml#	84
65) Acenaphthene	7.335	154	10128	0.486	ug/ml	86
66) 2,4-Dinitrophenol	7.387	184	914	0.301	ug/ml#	25
67) Dibenzofuran	7.509	168	16488	0.487	ug/ml	96
68) 2,4-Dinitrotoluene	7.518	165	3025	0.429	ug/ml	95
69) 4-Nitrophenol	7.484	65	1976	0.452	ug/ml	85
70) 2,3,5,6-Tetrachlorophenol	7.605	232	2580	0.414	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL3.D
 Acq On : 27 Aug 2025 10:28 pm
 Operator : SV106:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108428,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	2792	0.461	ug/ml	90
72)	Diethyl phthalate	7.791	149	12899	0.464	ug/ml	99
73)	Fluorene	7.844	166	12862	0.485	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	6214	0.492	ug/ml	92
75)	4-Nitroaniline	7.875	138	2572	0.416	ug/ml	85
76)	4,6-Dinitro-o-cresol	7.913	198	1361	0.347	ug/ml#	67
77)	NDPA/DPA	7.990	169	10268	0.463	ug/ml	92
78)	Azobenzene	8.021	77	11015	0.472	ug/ml	98
80)	4-Bromophenyl phenyl e...	8.345	248	3691	0.474	ug/ml#	88
81)	Hexachlorobenzene	8.385	284	4218	0.484	ug/ml#	86
82)	Pentachlorophenol	8.587	266	1511	0.295	ug/ml	90
89)	Phenanthrene	8.777	178	20869	0.490	ug/ml	99
90)	Anthracene	8.823	178	19598	0.470	ug/ml	99
91)	Carbazole	9.000	167	18163	0.475	ug/ml	99
92)	Di-n-butylphthalate	9.414	149	18944	0.423	ug/ml	97
93)	Fluoranthene	9.942	202	21374M3	0.466	ug/ml	
94)	Benzidine	10.104	184	8865	0.301	ug/ml#	97
95)	Pyrene	10.154	202	23126	0.472	ug/ml	98
97)	Butyl benzyl phthalate	10.890	149	7629	0.407	ug/ml	85
105)	Benzo(a)anthracene	11.381	228	22611	0.478	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.391	252	7188	0.441	ug/ml	98
107)	Chrysene	11.415	228	23647	0.504	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	12024	0.405	ug/ml#	89
109)	Di-n-octylphthalate	12.211	149	18152	0.365	ug/ml#	73
110)	Benzo(b)fluoranthene	12.482	252	22316M3	0.498	ug/ml	
111)	Benzo(k)fluoranthene	12.510	252	21176	0.463	ug/ml	99
112)	Benzo(a)pyrene	12.795	252	19740	0.470	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	19422M3	0.435	ug/mL	
115)	Dibenzo(a,h)anthracene	13.837	278	21229	0.459	ug/ml	94
116)	Benzo(ghi)perylene	14.036	276	21204	0.465	ug/ml#	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

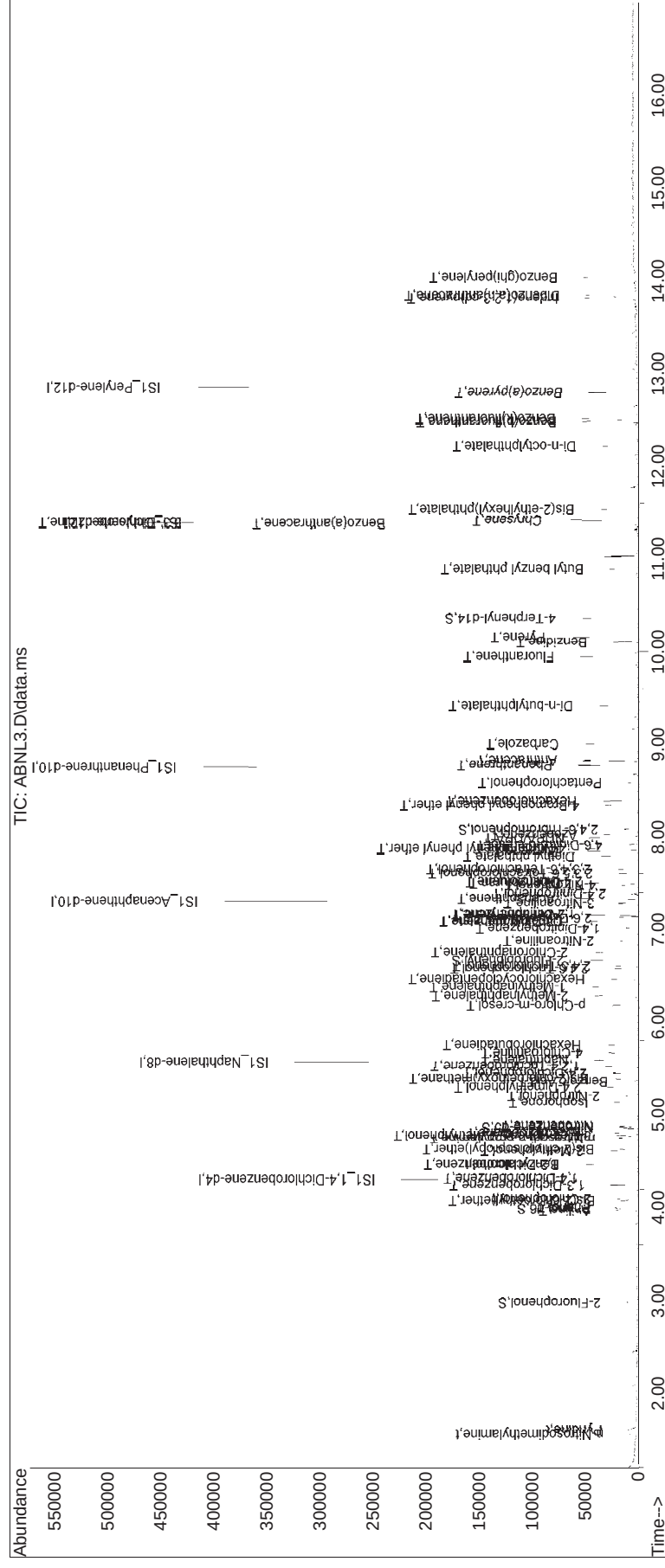
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ABNL3.D
Acq On        : 27 Aug 2025  10:28 pm
Operator      : SV106:smz
Sample        : IL8,32,,ABNL0.5 Lot# 11891
Misc          : WG2108428,,
ALS Vial      : 7 Sample Multiplier: 1

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Quant Time: Aug 28 10:24:10 2025
Quant Method : I:\8270\SV106\25082ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

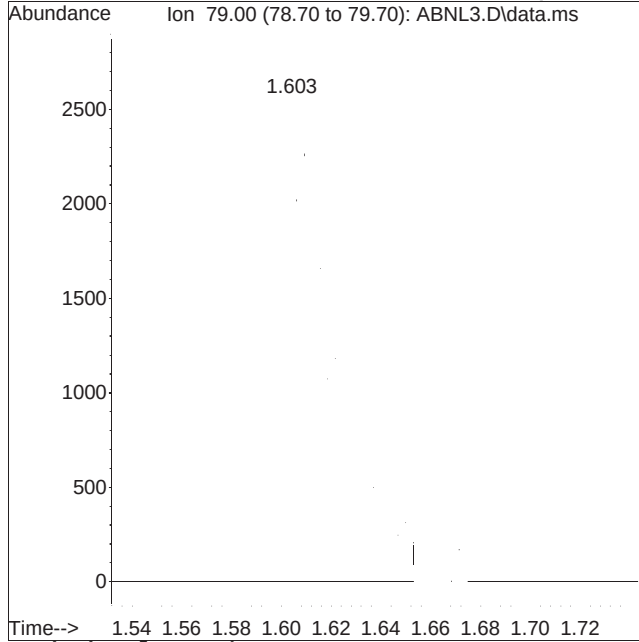
Sub List : ABNita\827ABNV106\250827SCAL\AP9L6.D.



Manual Integration Report

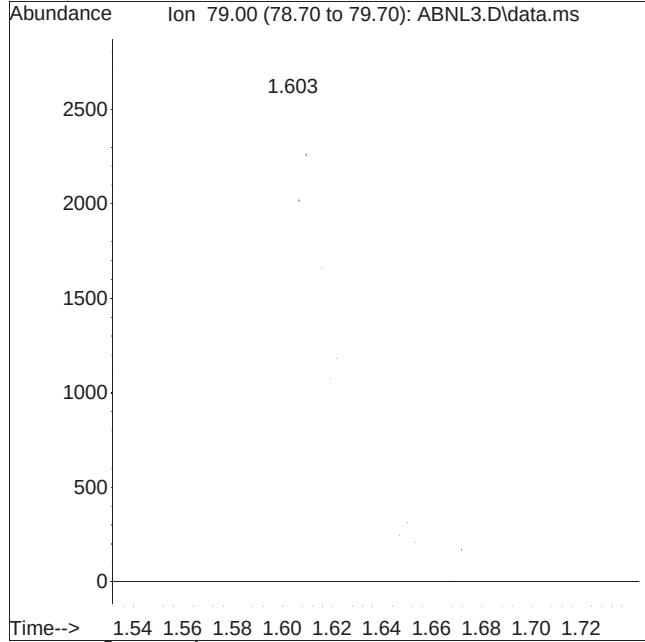
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #3: Pyridine



Original Peak Response = 4240

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

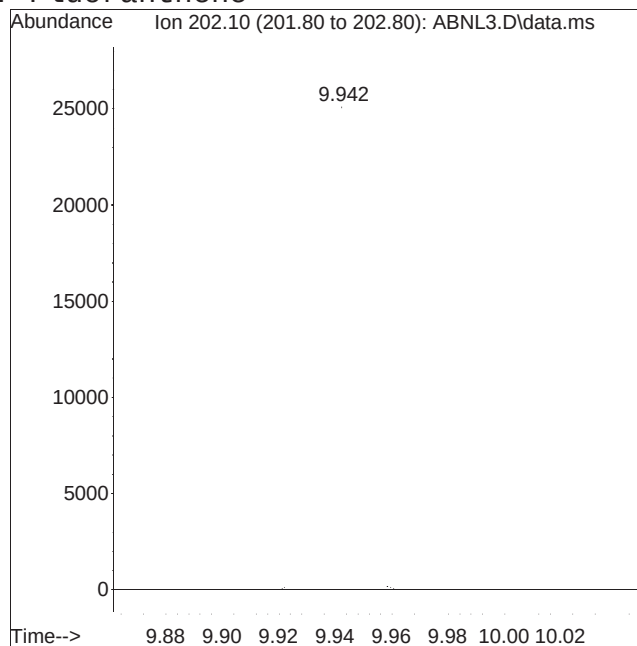
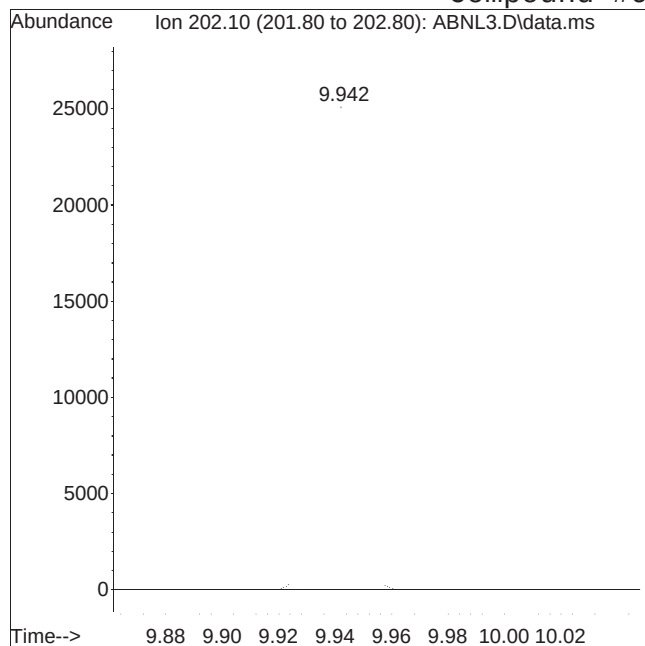


Manual Peak Response = 4463 M1

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #93: Fluoranthene



Original Peak Response = 21374

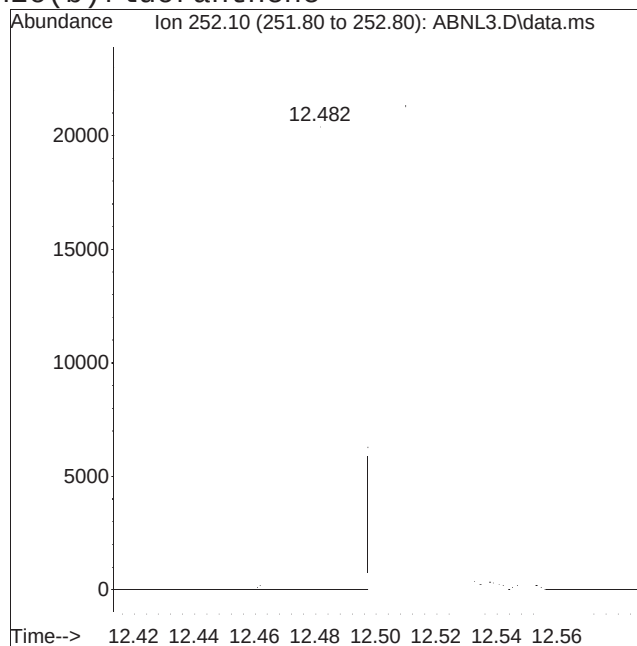
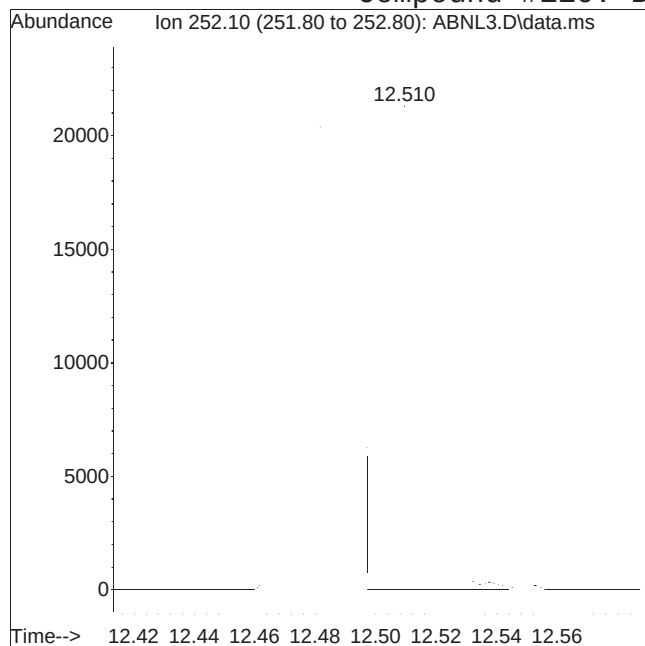
Manual Peak Response = 21374 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #110: Benzo(b)fluoranthene



Original Peak Response = 21176

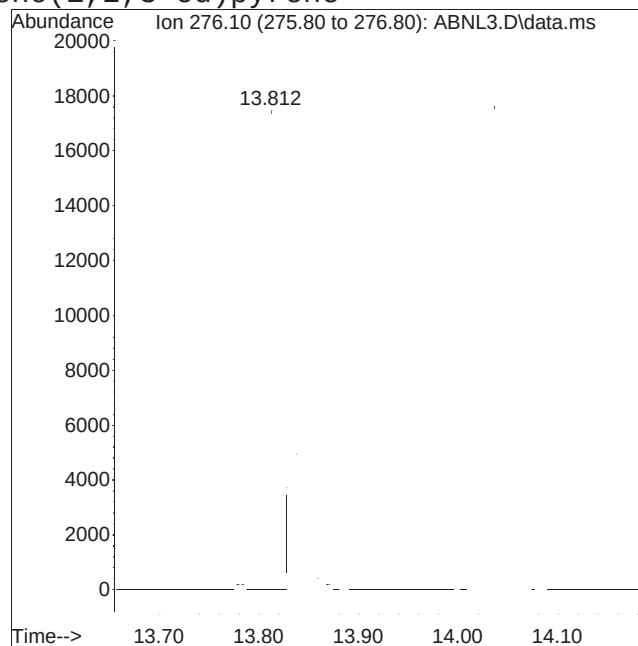
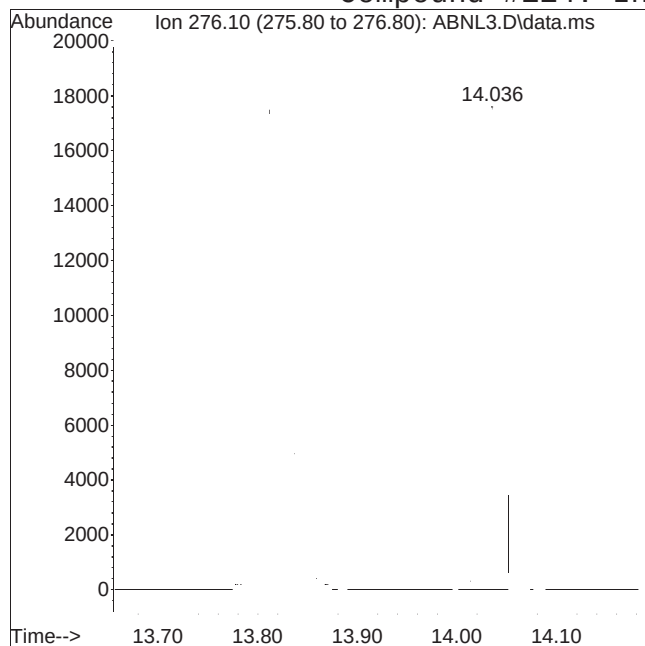
Manual Peak Response = 22316 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 20374

Manual Peak Response = 19422 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL2.D
 Acq On : 27 Aug 2025 10:50 pm
 Operator : SV106:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108428,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33315	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	98.01%		
35) IS1_Naphthalene-d8	5.572	136	129159	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery =	95.59%		
63) IS1_Acenaphthene-d10	7.304	164	74464	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	92.91%		
88) IS1_Phenanthrene-d10	8.752	188	144582	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery =	93.43%		
104) IS1_Chrysene-d12	11.391	240	140266	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	89.43%		
113) IS1_Perylene-d12	12.855	264	152427	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	92.42%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.980	112	1700	0.185	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	9.25%#		
7) Phenol-d6	3.994	99	2058	0.187	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	9.35%#		
19) Nitrobenzene-d5	4.867	82	1806	0.177	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	17.70%#		
46) 2-Fluorobiphenyl	6.670	172	5394	0.204	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	20.40%#		
79) 2,4,6-Tribromophenol	8.078	330	567	0.157	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	7.85%#		
96) 4-Terphenyl-d14	10.359	244	6848	0.193	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	19.30%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.563	74	1044	0.190	ug/ml#	76
3) Pyridine	1.613	79	1674	0.178	ug/ml#	72
5) Aniline	3.978	93	2195	0.152	ug/ml#	82
6) 2-Chlorophenol	4.090	128	1899	0.171	ug/ml	92
8) Phenol	4.006	94	2227	0.186	ug/ml	91
9) Bis(2-chloroethyl)ether	4.077	93	1759	0.185	ug/ml	90
10) 1,3-Dichlorobenzene	4.245	146	2775	0.208	ug/ml	94
11) 1,4-Dichlorobenzene	4.323	146	2550	0.187	ug/ml	87
12) 1,2-Dichlorobenzene	4.469	146	2668	0.204	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL2.D
 Acq On : 27 Aug 2025 10:50 pm
 Operator : SV106:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108428,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	1530	0.191	ug/ml	90
14) Bis(2-chloroisopropyl)...	4.634	45	3021	0.194	ug/ml#	59
15) 2-Methylphenol	4.615	108	1526	0.166	ug/ml#	80
16) Hexachloroethane	4.805	117	993	0.198	ug/ml#	75
17) n-Nitrosodi-n-propylamine	4.755	70	1209	0.178	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.777	108	1794	0.178	ug/ml#	96
20) Nitrobenzene	4.886	77	1880	0.179	ug/ml#	86
21) Isophorone	5.140	82	3472	0.182	ug/ml#	94
22) 2-Nitrophenol	5.209	139	821	0.154	ug/ml#	31
23) 2,4-Dimethylphenol	5.302	107	1916	0.181	ug/ml	95
24) Bis(2-chloroethoxy)met...	5.389	93	2494	0.194	ug/ml#	89
25) 2,4-Dichlorophenol	5.454	162	1579	0.162	ug/ml#	69
26) 1,2,4-Trichlorobenzene	5.529	180	2213	0.193	ug/ml	91
36) Naphthalene	5.594	128	7189	0.206	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.672	65	617	0.163	ug/ml#	34
39) Hexachlorobutadiene	5.756	225	1340	0.207	ug/ml	92
40) p-Chloro-m-cresol	6.188	107	1599	0.174	ug/ml#	81
41) 2-Methylnaphthalene	6.287	142	4131	0.200	ug/ml	96
42) 1-Methylnaphthalene	6.381	115	1502	0.205	ug/ml	95
43) Hexachlorocyclopentadiene	6.461	237	1488	0.181	ug/ml#	91
44) 2,4,6-Trichlorophenol	6.586	196	1065	0.155	ug/ml#	81
45) 2,4,5-Trichlorophenol	6.614	196	1293	0.167	ug/ml#	78
47) 2-Chloronaphthalene	6.760	162	4798	0.204	ug/ml	97
48) 2-Nitroaniline	6.875	138	1040	0.156	ug/ml	87
49) 1,4-Dinitrobenzene	7.018	168	458M3	0.146	ug/ml	
50) 1,3-Dinitrobenzene	7.089	168	582	0.161	ug/ml#	1
51) Dimethyl phthalate	7.089	163	5325	0.192	ug/ml#	96
52) Acenaphthylene	7.161	152	6866	0.182	ug/ml	98
53) 2,6-Dinitrotoluene	7.133	165	844	0.156	ug/ml#	84
54) 1,2-Dinitrobenzene	7.170	168	350M3	0.149	ug/ml	
64) 3-Nitroaniline	7.282	138	1013	0.159	ug/ml#	58
65) Acenaphthene	7.335	154	4137	0.196	ug/ml	83
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.509	168	7190	0.209	ug/ml	94
68) 2,4-Dinitrotoluene	7.521	165	1129	0.158	ug/ml	98
69) 4-Nitrophenol	7.487	65	655	0.148	ug/ml#	58
70) 2,3,5,6-Tetrachlorophenol	7.605	232	875	0.138	ug/ml#	73

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL2.D
 Acq On : 27 Aug 2025 10:50 pm
 Operator : SV106:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108428,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	855	0.139	ug/ml#	68
72)	Diethyl phthalate	7.795	149	5540	0.196	ug/ml	96
73)	Fluorene	7.845	166	5409	0.201	ug/ml	97
74)	4-Chlorophenyl phenyl ...	7.869	204	2478	0.193	ug/ml	93
75)	4-Nitroaniline	7.876	138	1095	0.175	ug/ml#	69
76)	4,6-Dinitro-o-cresol	7.916	198	556	0.140	ug/ml#	31
77)	NDPA/DPA	7.987	169	4251	0.189	ug/ml	93
78)	Azobenzene	8.022	77	4329	0.183	ug/ml#	90
80)	4-Bromophenyl phenyl e...	8.342	248	1608	0.204	ug/ml#	82
81)	Hexachlorobenzene	8.385	284	1817	0.205	ug/ml#	86
82)	Pentachlorophenol	8.584	266	482M2	0.093	ug/ml	
89)	Phenanthrene	8.774	178	9129	0.210	ug/ml	99
90)	Anthracene	8.824	178	8564	0.201	ug/ml	99
91)	Carbazole	9.001	167	7393	0.189	ug/ml	98
92)	Di-n-butylphthalate	9.411	149	8012	0.175	ug/ml#	93
93)	Fluoranthene	9.939	202	9113	0.195	ug/ml#	93
94)	Benzidine	10.104	184	1668	0.055	ug/ml#	68
95)	Pyrene	10.154	202	9873	0.198	ug/ml	98
97)	Butyl benzyl phthalate	10.887	149	2946	0.154	ug/ml#	81
105)	Benzo(a)anthracene	11.382	228	9225	0.195	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.391	252	2673	0.164	ug/ml	93
107)	Chrysene	11.419	228	10123	0.216	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.531	149	4573	0.154	ug/ml#	89
109)	Di-n-octylphthalate	12.208	149	6756	0.136	ug/ml#	72
110)	Benzo(b)fluoranthene	12.485	252	8708M3	0.194	ug/ml	
111)	Benzo(k)fluoranthene	12.510	252	8705	0.191	ug/ml	96
112)	Benzo(a)pyrene	12.793	252	7548	0.180	ug/ml	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	7575	0.174	ug/mL	92
115)	Dibenzo(a,h)anthracene	13.840	278	8481	0.188	ug/ml#	92
116)	Benzo(ghi)perylene	14.039	276	8549	0.193	ug/ml#	90

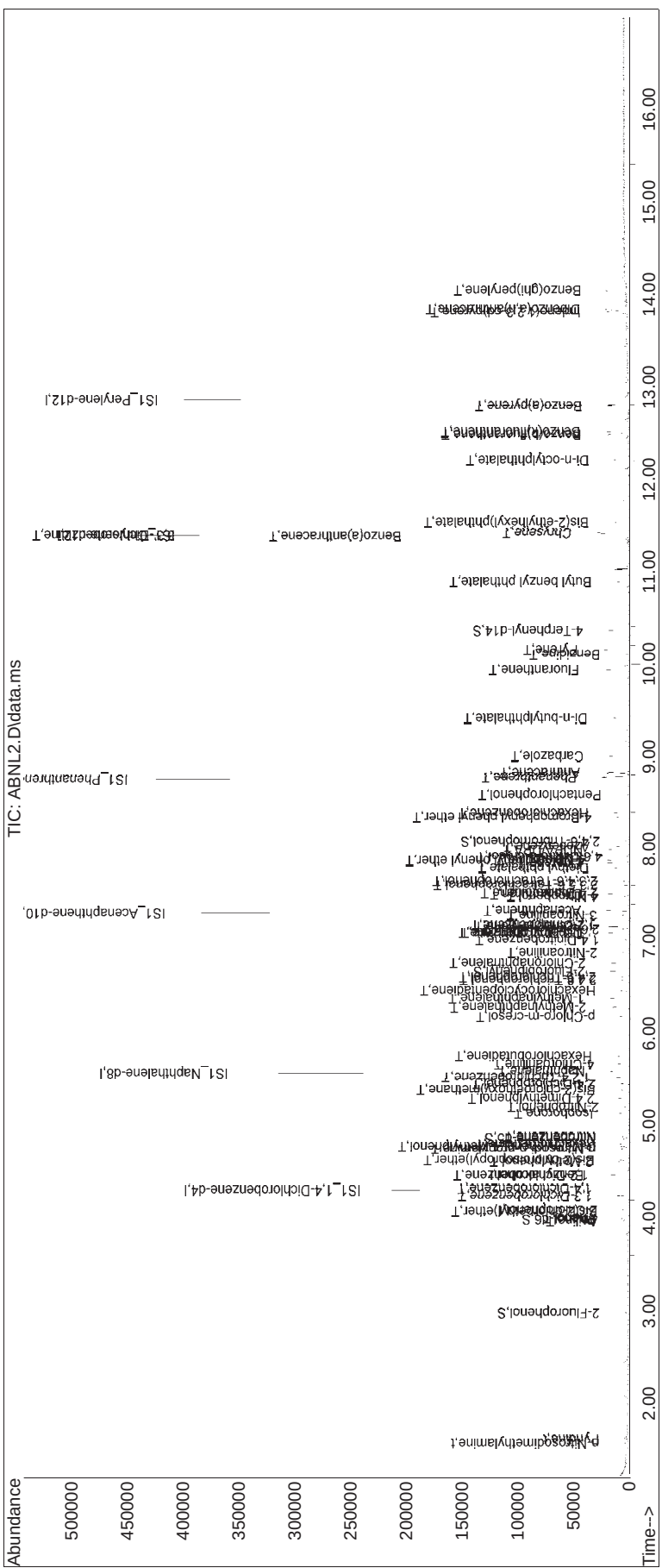
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL2.D
Acq On : 27 Aug 2025 10:50 pm
Operator : SV106:smz
Sample : IL9,32,,ABNL0.2 Lot# 11892
Misc : WG2108428,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

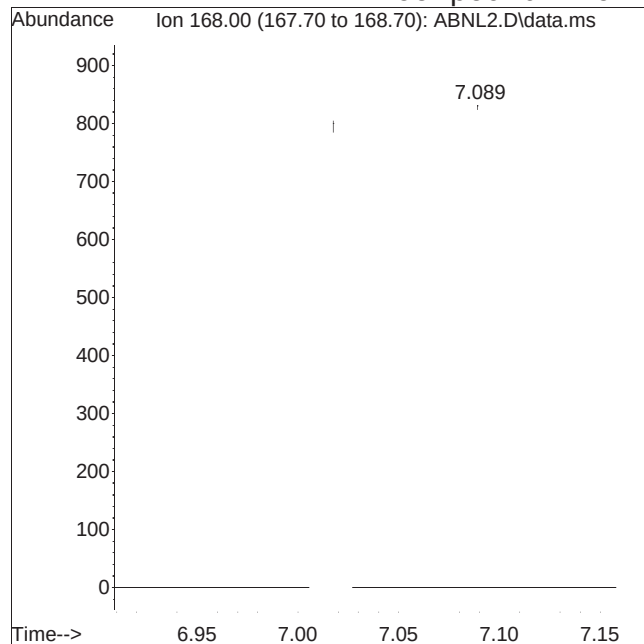
Sub List : **ABNL0.2** \8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

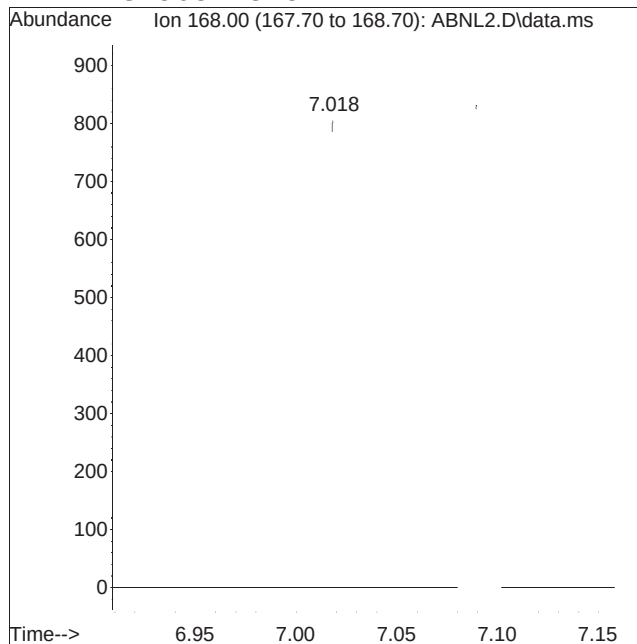
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9, 32,, ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 582

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

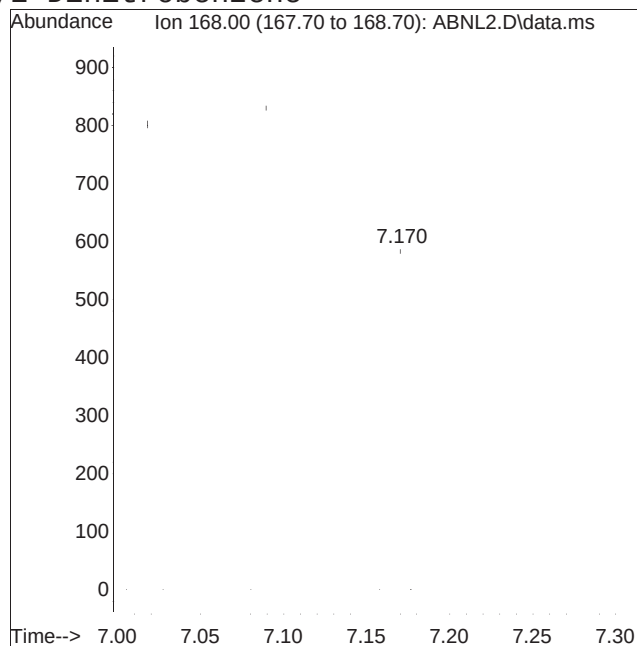
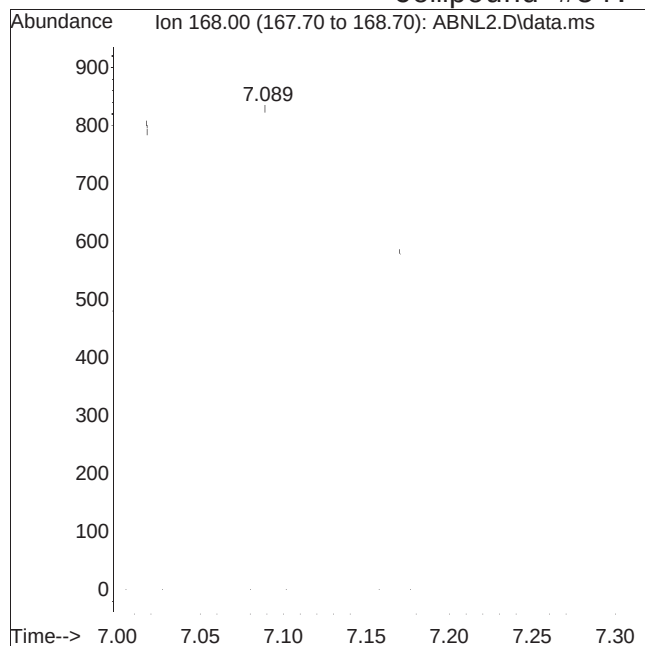


Manual Peak Response = 458 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 582

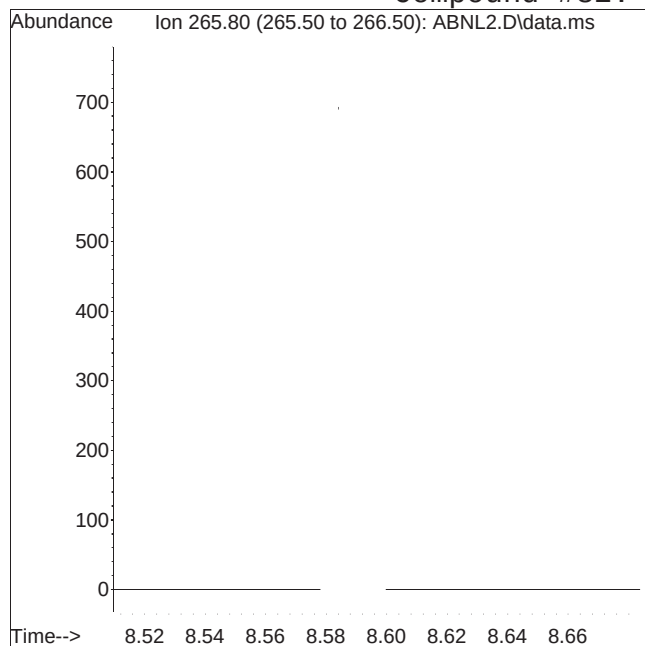
Manual Peak Response = 350 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

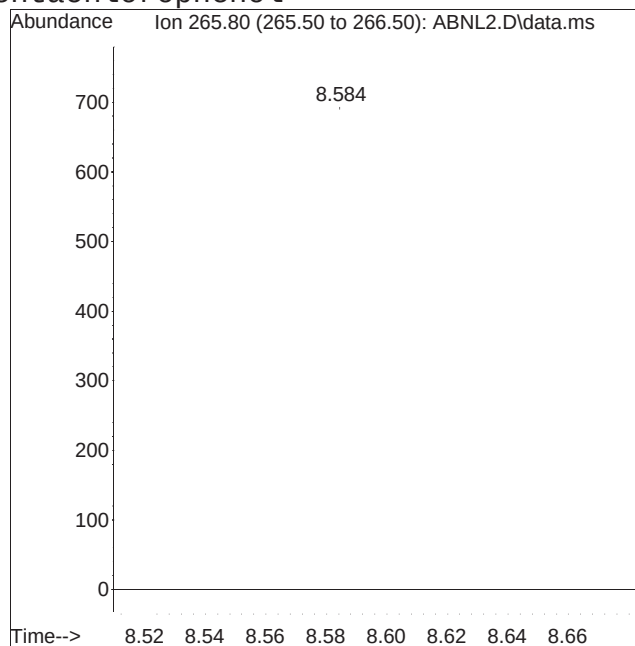
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #82: Pentachlorophenol



Original Peak Response = 0



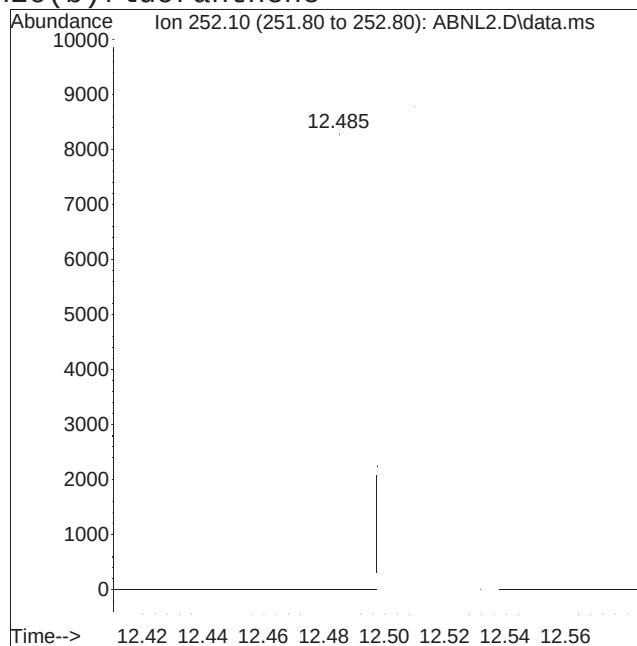
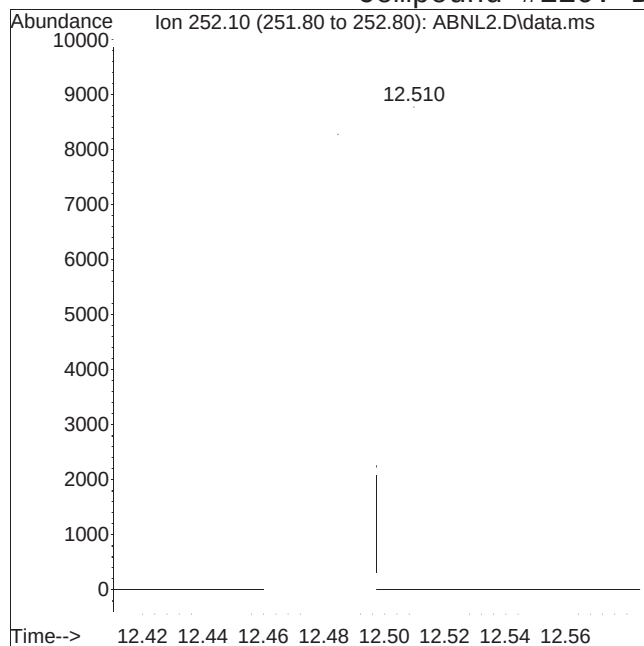
Manual Peak Response = 482 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #110: Benzo(b)fluoranthene



Original Peak Response = 8705

Manual Peak Response = 8708 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL1.D
 Acq On : 27 Aug 2025 11:11 pm
 Operator : SV106:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108428,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33092	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	97.36%		
35) IS1_Naphthalene-d8	5.572	136	126528	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	93.64%		
63) IS1_Acenaphthene-d10	7.307	164	71183	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	88.82%		
88) IS1_Phenanthrene-d10	8.752	188	141603	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery =	91.50%		
104) IS1_Chrysene-d12	11.391	240	138097	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	88.05%		
113) IS1_Perylene-d12	12.851	264	148869	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	90.26%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	827	0.090	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.50%#		
7) Phenol-d6	3.993	99	933	0.086	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.30%#		
19) Nitrobenzene-d5	4.867	82	916	0.090	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	9.00%#		
46) 2-Fluorobiphenyl	6.673	172	2668	0.103	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	10.30%#		
79) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/ml	
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	10.356	244	3986	0.115	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	11.50%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.566	74	517	0.095	ug/ml#	1
3) Pyridine	1.625	79	752	0.080	ug/ml#	1
5) Aniline	3.978	93	718	0.050	ug/ml#	41
6) 2-Chlorophenol	4.093	128	1019	0.092	ug/ml#	30
8) Phenol	4.006	94	1037	0.087	ug/ml#	37
9) Bis(2-chloroethyl)ether	4.074	93	891	0.094	ug/ml#	83
10) 1,3-Dichlorobenzene	4.245	146	1258	0.095	ug/ml	95
11) 1,4-Dichlorobenzene	4.323	146	1373M3	0.102	ug/ml	
12) 1,2-Dichlorobenzene	4.469	146	1287M3	0.099	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL1.D
 Acq On : 27 Aug 2025 11:11 pm
 Operator : SV106:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108428,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.478	79	655	0.082	ug/ml#	53
14) Bis(2-chloroisopropyl)...	4.631	45	1546	0.100	ug/ml#	72
15) 2-Methylphenol	4.615	108	846	0.093	ug/ml#	86
16) Hexachloroethane	4.811	117	406M2	0.082	ug/ml	
17) n-Nitrosodi-n-propylamine	4.758	70	591	0.088	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.780	108	994	0.100	ug/ml#	90
20) Nitrobenzene	4.885	77	922	0.088	ug/ml#	39
21) Isophorone	5.140	82	1683	0.089	ug/ml#	65
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	5.302	107	945	0.090	ug/ml#	69
24) Bis(2-chloroethoxy)met...	5.389	93	1151	0.090	ug/ml#	50
25) 2,4-Dichlorophenol	5.454	162	818	0.085	ug/ml#	25
26) 1,2,4-Trichlorobenzene	5.529	180	1110	0.098	ug/ml#	85
36) Naphthalene	5.594	128	3422	0.100	ug/ml#	54
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.672	65	317M2	0.086	ug/ml	
39) Hexachlorobutadiene	5.756	225	563	0.089	ug/ml#	18
40) p-Chloro-m-cresol	6.191	107	879	0.098	ug/ml#	85
41) 2-Methylnaphthalene	6.290	142	2129	0.105	ug/ml	96
42) 1-Methylnaphthalene	6.383	115	662	0.092	ug/ml#	70
43) Hexachlorocyclopentadiene	6.464	237	767	0.095	ug/ml#	27
44) 2,4,6-Trichlorophenol	6.586	196	507	0.075	ug/ml#	77
45) 2,4,5-Trichlorophenol	6.610	196	707	0.093	ug/ml#	72
47) 2-Chloronaphthalene	6.760	162	2198	0.096	ug/ml	96
48) 2-Nitroaniline	6.875	138	491M2	0.075	ug/ml	
49) 1,4-Dinitrobenzene	0.000		0	N.D.		
50) 1,3-Dinitrobenzene	0.000		0	N.D.		
51) Dimethyl phthalate	7.092	163	2637	0.097	ug/ml#	77
52) Acenaphthylene	7.161	152	3514	0.095	ug/ml#	86
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
54) 1,2-Dinitrobenzene	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	7.335	154	2227	0.110	ug/ml	98
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.512	168	3406	0.104	ug/ml	97
68) 2,4-Dinitrotoluene	7.521	165	555	0.081	ug/ml#	64
69) 4-Nitrophenol	7.487	65	444M3	0.105	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL1.D
 Acq On : 27 Aug 2025 11:11 pm
 Operator : SV106:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108428,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	449M2	0.076	ug/ml	
72)	Diethyl phthalate	7.791	149	2862	0.106	ug/ml#	87
73)	Fluorene	7.844	166	2804	0.109	ug/ml#	96
74)	4-Chlorophenyl phenyl ...	7.869	204	1357	0.111	ug/ml#	64
75)	4-Nitroaniline	7.875	138	497M2	0.083	ug/ml	
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
77)	NDPA/DPA	7.990	169	2207	0.103	ug/ml	93
78)	Azobenzene	8.021	77	2235	0.099	ug/ml#	56
80)	4-Bromophenyl phenyl e...	8.342	248	826	0.109	ug/ml#	82
81)	Hexachlorobenzene	8.385	284	927	0.110	ug/ml#	33
82)	Pentachlorophenol	0.000		0	N.D.		
89)	Phenanthrene	8.774	178	4852	0.114	ug/ml	96
90)	Anthracene	8.826	178	4315	0.103	ug/ml	98
91)	Carbazole	9.001	167	3550	0.093	ug/ml#	86
92)	Di-n-butylphthalate	9.414	149	4129	0.092	ug/ml#	79
93)	Fluoranthene	9.939	202	4829	0.105	ug/ml	96
94)	Benzidine	10.104	184	963	0.033	ug/ml#	68
95)	Pyrene	10.154	202	5130	0.105	ug/ml	97
97)	Butyl benzyl phthalate	10.887	149	1591	0.085	ug/ml#	76
105)	Benzo(a)anthracene	11.381	228	5218	0.112	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.391	252	1335	0.083	ug/ml#	83
107)	Chrysene	11.416	228	5201	0.113	ug/ml	95
108)	Bis(2-ethylhexyl)phtha...	11.531	149	2830	0.097	ug/ml#	84
109)	Di-n-octylphthalate	12.208	149	4051	0.083	ug/ml#	55
110)	Benzo(b)fluoranthene	12.482	252	4469	0.101	ug/ml	97
111)	Benzo(k)fluoranthene	12.510	252	4555	0.101	ug/ml	98
112)	Benzo(a)pyrene	12.792	252	3892	0.094	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	4090M3	0.096	ug/mL	
115)	Dibenzo(a,h)anthracene	13.834	278	4235	0.096	ug/ml	94
116)	Benzo(ghi)perylene	14.033	276	4559	0.105	ug/ml	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

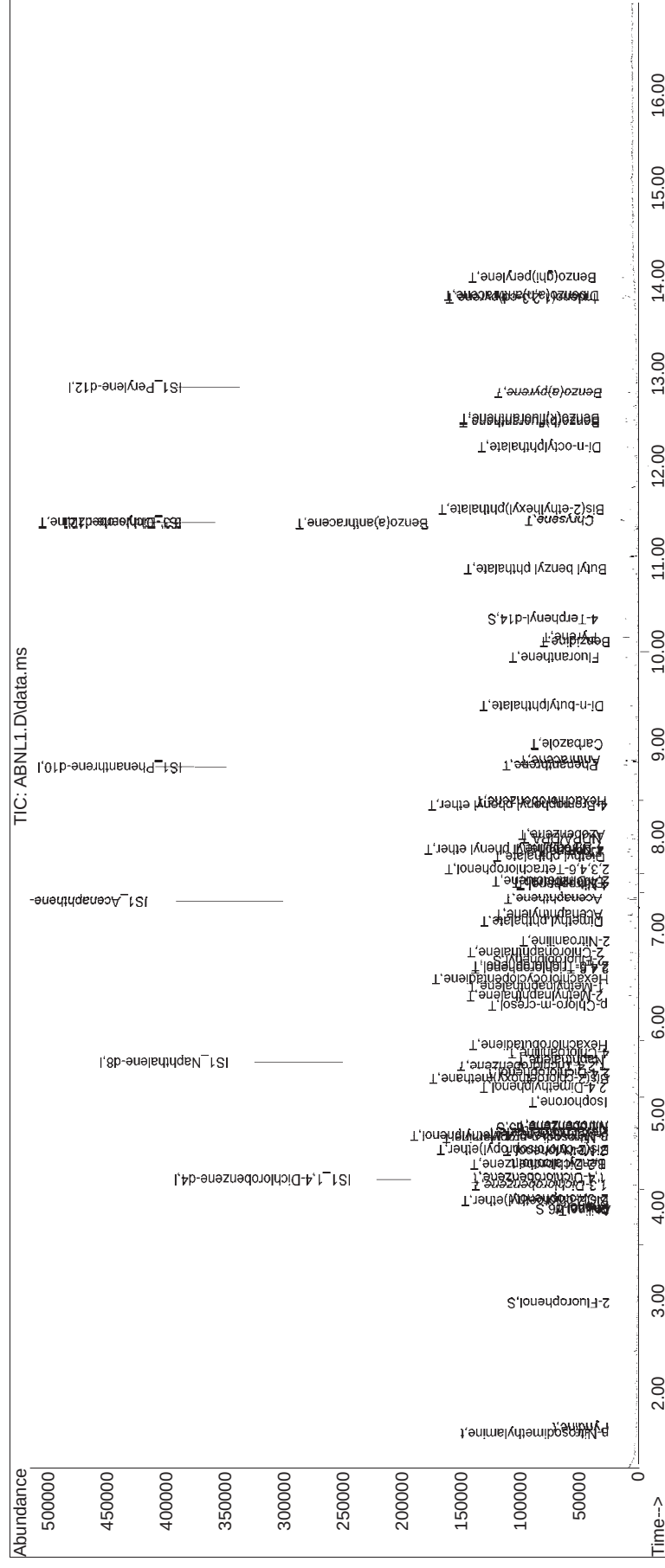
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ABNL1.D
Acq On        : 27 Aug 2025  11:11 pm
Operator      : SV106:smz
Sample        : IL10,32,,ABNL0.1 Lot# 118
Misc          : WG2108428,,
ALS Vial      : 9 Sample Multiplier: 1

```

Quant Time: Aug 28 10:34:38 2025
Quant Method : I:\8270\SV106\25082ICAL\F250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

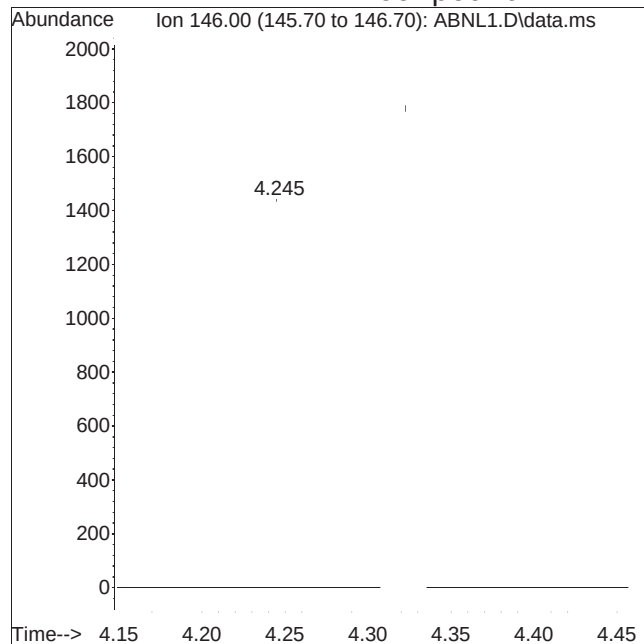
Sub List : ABNita\827ABSV106\250827SCAL\AP9L6.D.



Manual Integration Report

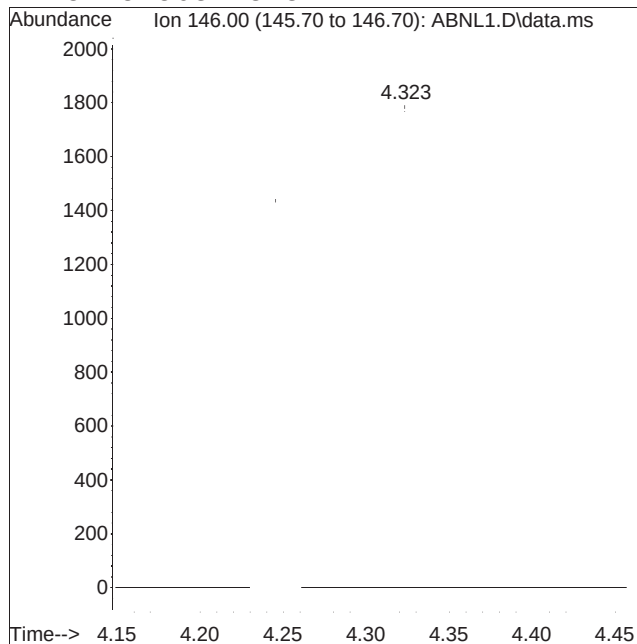
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #11: 1,4-Dichlorobenzene



Original Peak Response = 1258

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

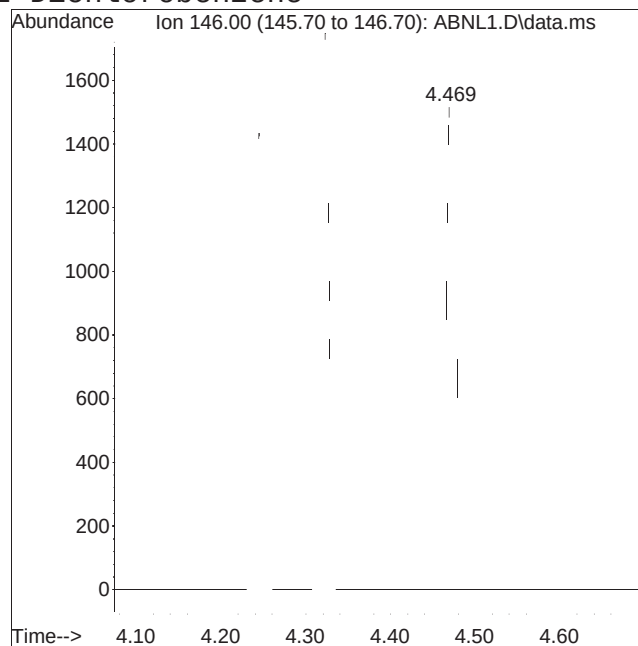
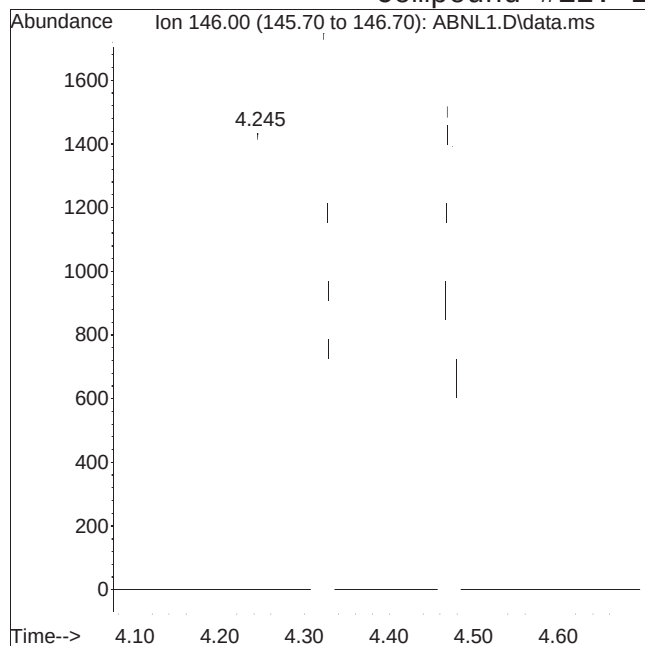


Manual Peak Response = 1373 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #12: 1,2-Dichlorobenzene



Original Peak Response = 1259

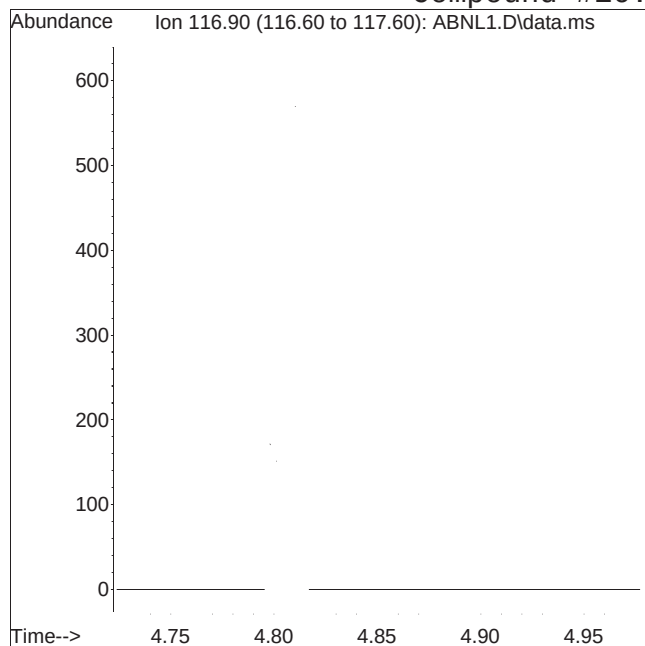
Manual Peak Response = 1287 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

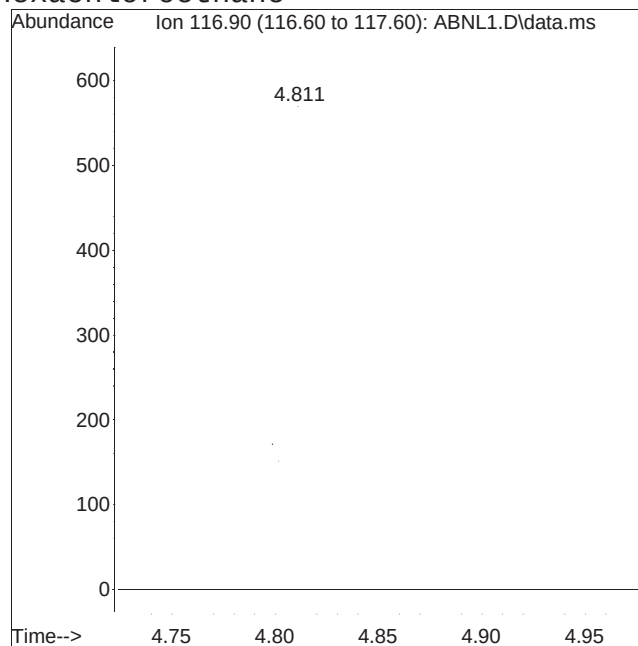
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #16: Hexachloroethane



Original Peak Response = 0



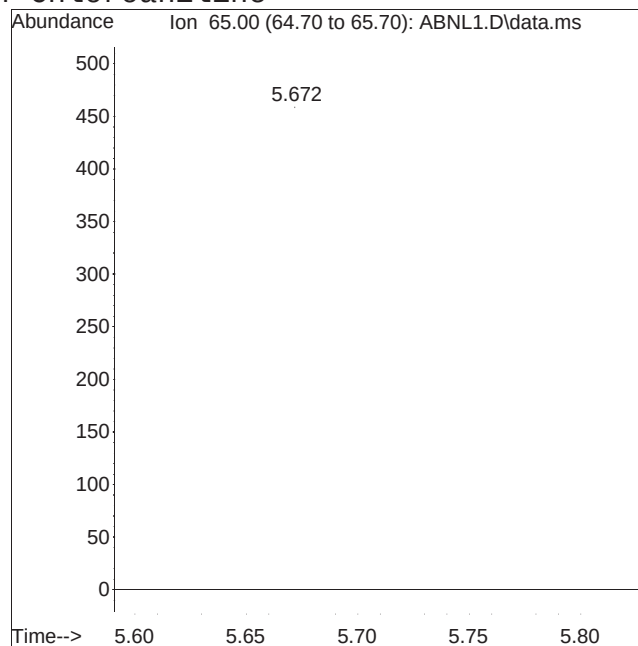
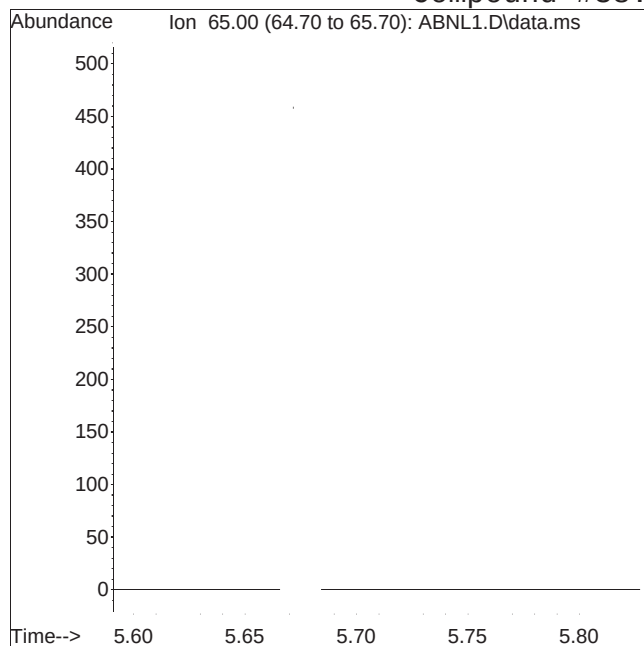
Manual Peak Response = 406 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #38: 4-Chloroaniline



Original Peak Response = 0

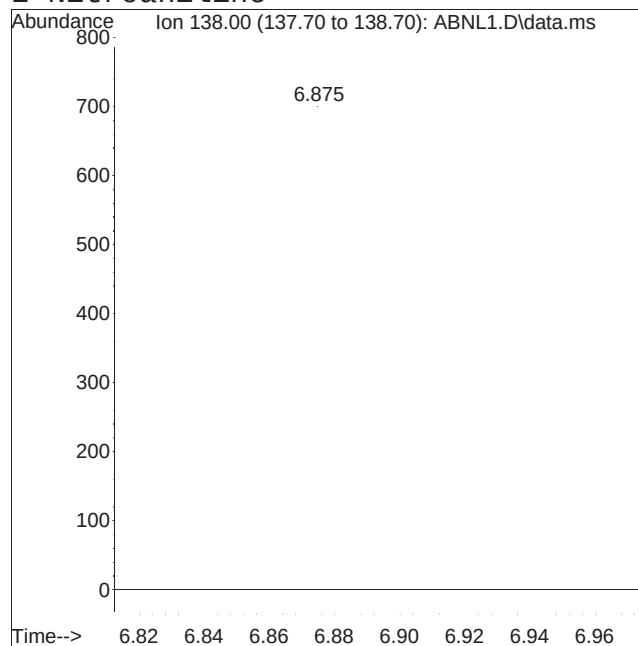
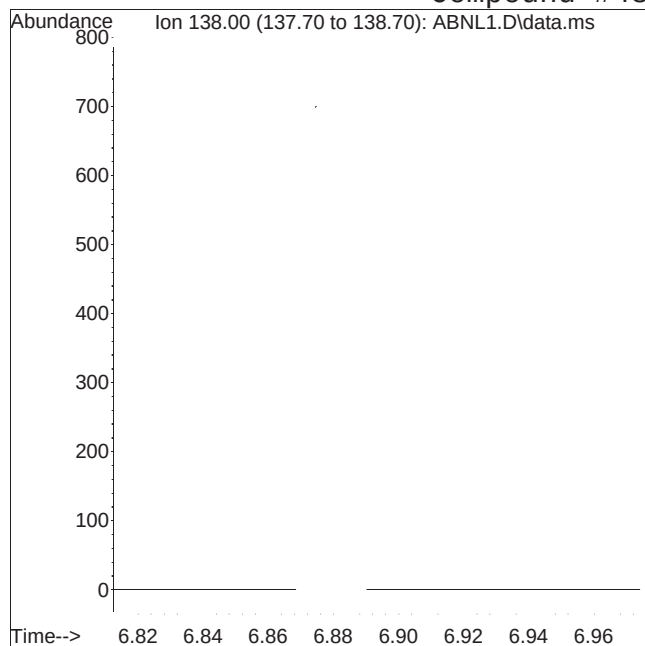
Manual Peak Response = 317 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #48: 2-Nitroaniline



Original Peak Response = 0

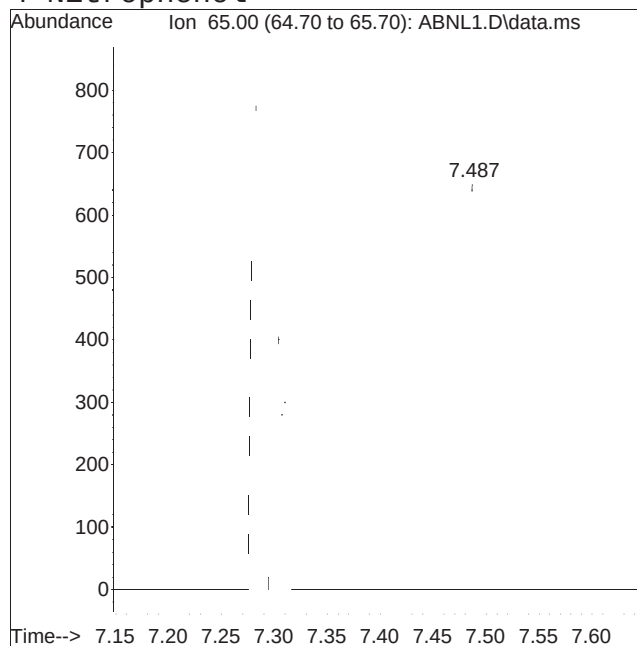
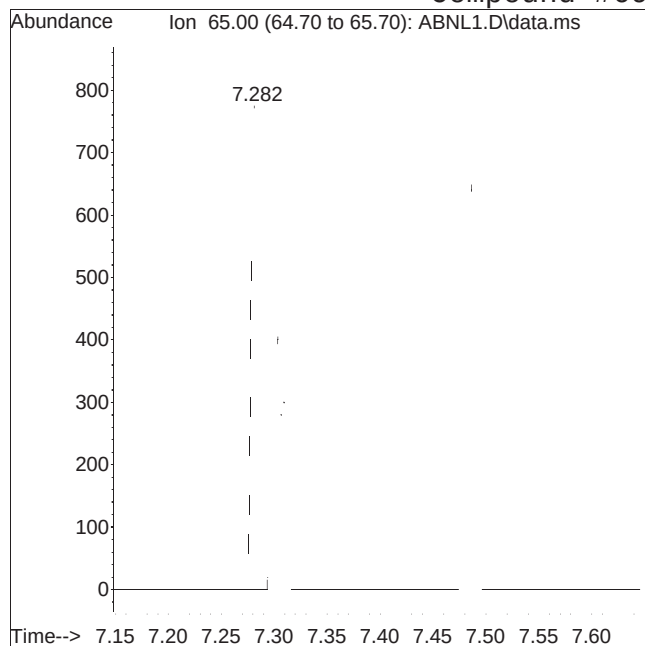
Manual Peak Response = 491 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #69: 4-Nitrophenol



Original Peak Response = 520

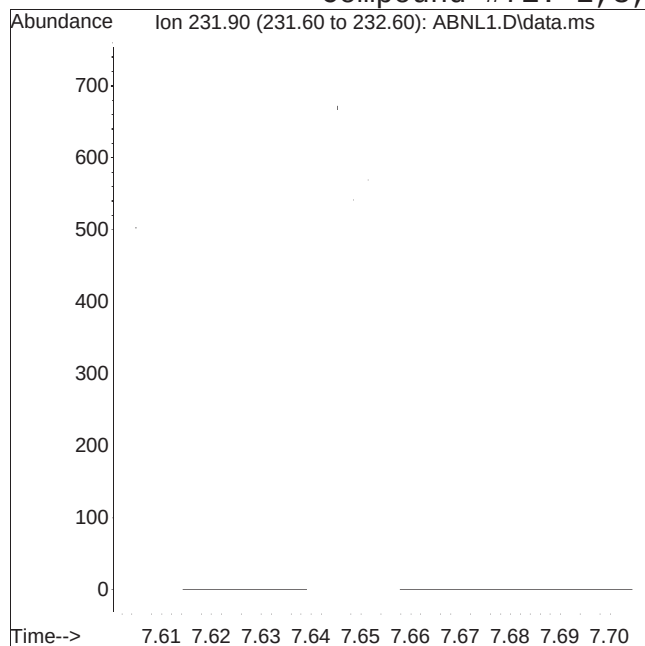
Manual Peak Response = 444 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

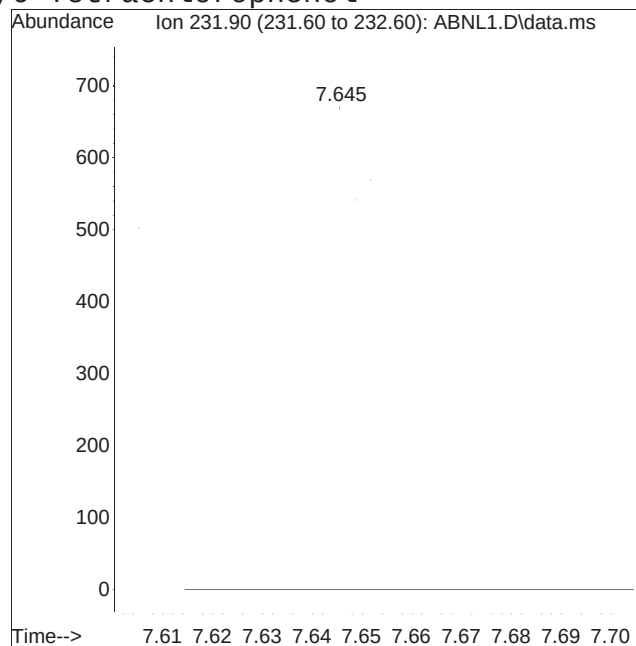
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0



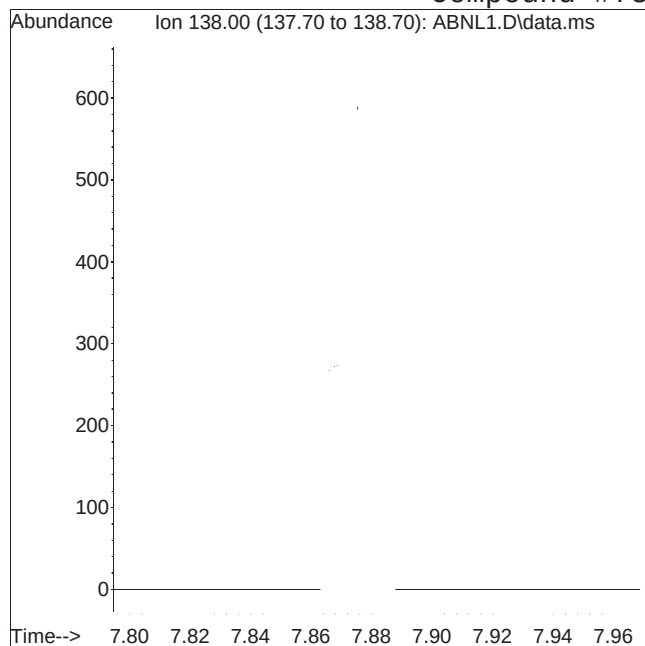
Manual Peak Response = 449 M2

M2 = Peak not found by automatic integration algorithm.

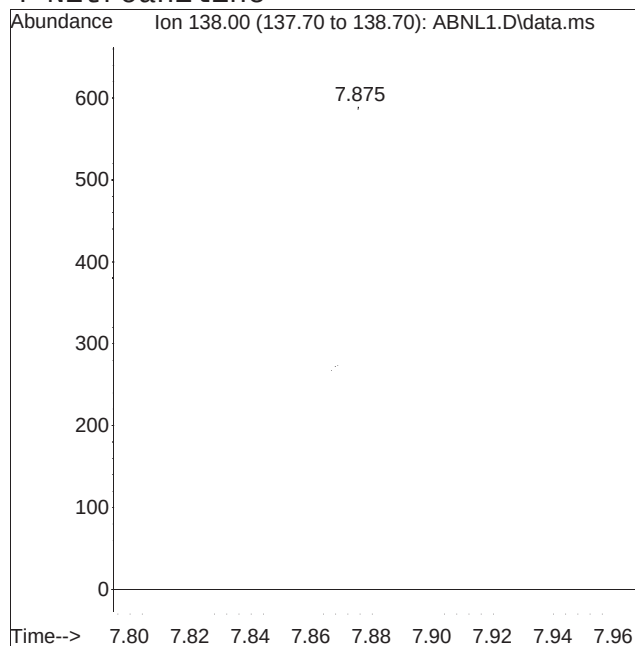
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #75: 4-Nitroaniline



Original Peak Response = 0



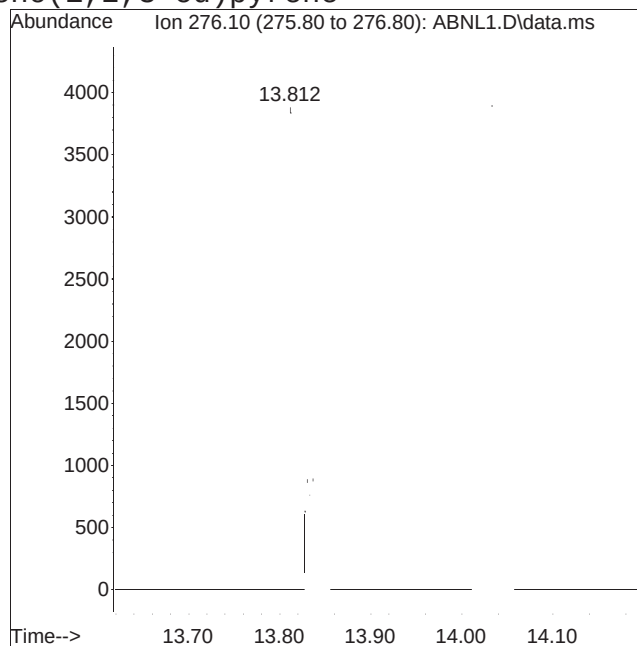
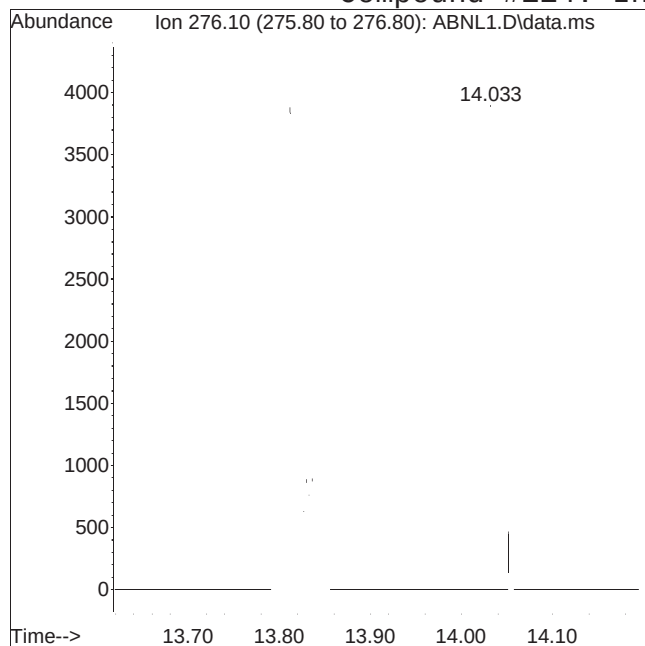
Manual Peak Response = 497 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 4508

Manual Peak Response = 4090 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2 t	n-Nitrosodimethylamine	0.660	0.636	3.6	93	0.00
3 t	Pyridine	1.131	1.074	5.0	89	0.00
4 S	2-Fluorophenol	1.106	1.040	6.0	89	0.00
5 T	Aniline	1.738	1.656	4.7	89	0.00
6 t	2-Chlorophenol	1.332	1.270	4.7	91	0.00
7 S	Phenol-d6	1.318	1.270	3.6	92	0.00
8 T	Phenol	1.441	1.369	5.0	92	0.00
9 T	Bis(2-chloroethyl)ether	1.143	1.099	3.8	94	0.00
10 T	1,3-Dichlorobenzene	1.598	1.519	4.9	93	0.00
11 T	1,4-Dichlorobenzene	1.634	1.556	4.8	94	0.00
12 T	1,2-Dichlorobenzene	1.572	1.488	5.3	94	0.00
13 t	Benzyl alcohol	0.964	0.933	3.2	94	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.785	4.4	94	0.00
15 T	2-Methylphenol	1.104	1.075	2.6	93	0.00
16 T	Hexachloroethane	0.602	0.590	2.0	94	0.00
17 T	n-Nitrosodi-n-propylamine	0.815	0.793	2.7	92	0.00
18 T	3-Methylphenol/4-Methylphen	1.207	1.161	3.8	94	0.00
19 S	Nitrobenzene-d5	1.226	1.136	7.3	89	0.00
20 T	Nitrobenzene	1.260	1.189	5.6	90	0.00
21 T	Isophorone	2.296	2.176	5.2	91	0.00
22 T	2-Nitrophenol	0.640	0.580	9.4	86	0.00
23 T	2,4-Dimethylphenol	1.271	1.207	5.0	88	0.00
24 T	Bis(2-chloroethoxy)methane	1.546	1.478	4.4	93	0.00
25 T	2,4-Dichlorophenol	1.170	1.148	1.9	92	0.00
26 T	1,2,4-Trichlorobenzene	1.374	1.288	6.3	92	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	96	0.00
36 T	Naphthalene	1.082	1.028	5.0	92	0.00
37 T	Benzoic Acid	* 5.000	3.671	26.6#	78	0.00
38 T	4-Chloroaniline	0.117	0.115	1.7	90	0.00
39 T	Hexachlorobutadiene	0.200	0.197	1.5	94	0.00
40 T	p-Chloro-m-cresol	0.284	0.272	4.2	91	0.00
41 T	2-Methylnaphthalene	0.641	0.632	1.4	96	0.00
42 T	1-Methylnaphthalene	0.227	0.220	3.1	94	0.00
43 T	Hexachlorocyclopentadiene	0.254	0.238	6.3	89	0.00
44 T	2,4,6-Trichlorophenol	0.213	0.213	0.0	90	0.00
45 T	2,4,5-Trichlorophenol	0.239	0.243	-1.7	93	0.00
46 S	2-Fluorobiphenyl	0.821	0.769	6.3	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.727	0.703	3.3	94	0.00
48 T	2-Nitroaniline	0.206	0.204	1.0	87	0.00
49 T	1,4-Dinitrobenzene	0.097	0.090	7.2	86	0.00
50 T	1,3-Dinitrobenzene	0.112	0.107	4.5	86	0.00
51 T	Dimethyl phthalate	0.857	0.814	5.0	90	0.00
52 T	Acenaphthylene	1.170	1.149	1.8	91	0.00
53 T	2,6-Dinitrotoluene	0.167	0.164	1.8	90	0.00
54 T	1,2-Dinitrobenzene	0.073	0.073	0.0	89	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	99	0.00
64 T	3-Nitroaniline	0.342	0.331	3.2	90	0.00
65 T	Acenaphthene	1.136	1.042	8.3	92	0.00
66 T	2,4-Dinitrophenol	0.166	0.140	15.7	88	0.00
67 T	Dibenzofuran	1.844	1.699	7.9	93	0.00
68 T	2,4-Dinitrotoluene	0.385	0.378	1.8	88	0.00
69 T	4-Nitrophenol	0.238	0.227	4.6	90	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.340	0.336	1.2	91	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.330	0.332	-0.6	90	0.00
72 T	Diethyl phthalate	1.516	1.387	8.5	90	0.00
73 T	Fluorene	1.447	1.324	8.5	92	0.00
74 T	4-Chlorophenyl phenyl ether	0.688	0.625	9.2	91	0.00
75 T	4-Nitroaniline	0.337	0.325	3.6	88	0.00
76 T	4,6-Dinitro-o-cresol	0.214	0.189	11.7	86	0.00
77 T	NDPA/DPA	1.209	1.145	5.3	92	0.00
78 T	Azobenzene	1.272	1.215	4.5	92	0.00
79 S	2,4,6-Tribromophenol	0.194	0.179	7.7	89	0.00
80 T	4-Bromophenyl phenyl ether	0.424	0.384	9.4	92	0.00
81 T	Hexachlorobenzene	0.475	0.432	9.1	93	0.00
82 T	Pentachlorophenol	0.280	0.240	14.3	86	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	98	0.00
89 T	Phenanthrene	1.202	1.082	10.0	91	0.00
90 T	Anthracene	1.178	1.093	7.2	91	0.00
91 T	Carbazole	1.081	1.029	4.8	90	0.00
92 T	Di-n-butylphthalate	1.266	1.204	4.9	88	0.00
93 T	Fluoranthene	1.296	1.201	7.3	90	0.00
94 T	Benzidine	0.831	0.756	9.0	88	0.00
95 T	Pyrene	1.383	1.287	6.9	91	0.00
96 S	4-Terphenyl-d14	0.982	0.888	9.6	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.529	0.504	4.7	88	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	97	0.00
105 T	Benzo(a)anthracene	1.349	1.255	7.0	92	0.00
106 T	3,3'-Dichlorobenzidine	0.464	0.437	5.8	86	0.00
107 T	Chrysene	1.336	1.193	10.7	90	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.846	0.837	1.1	90	0.00
109 T	Di-n-octylphthalate	1.419	1.335	5.9	89	0.00
110 T	Benzo(b)fluoranthene	1.278	1.201	6.0	94	0.00
111 T	Benzo(k)fluoranthene	1.303	1.235	5.2	90	0.00
112 T	Benzo(a)pyrene	1.197	1.138	4.9	90	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	97	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.141	1.035	9.3	88	0.00
115 T	Dibenzo(a,h)anthracene	1.181	1.089	7.8	89	0.00
116 T	Benzo(ghi)perylene	1.164	1.053	9.5	89	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33441	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	98.38%		
35) IS1_Naphthalene-d8	5.572	136	130068	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery =	96.26%		
63) IS1_Acenaphthene-d10	7.307	164	79495	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	99.19%		
88) IS1_Phenanthrene-d10	8.752	188	151588	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	97.95%		
104) IS1_Chrysene-d12	11.391	240	151868	4.000	ug/ml	# 0.00
Standard Area 1 = 156844			Recovery =	96.83%		
113) IS1_Perylene-d12	12.855	264	160353	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	97.22%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.974	112	43462	4.701	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	235.05%#		
7) Phenol-d6	3.990	99	53091	4.818	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	240.90%#		
19) Nitrobenzene-d5	4.864	82	47494	4.632	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	463.20%#		
46) 2-Fluorobiphenyl	6.673	172	125056	4.686	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	468.60%#		
79) 2,4,6-Tribromophenol	8.081	330	17778	4.613	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	230.65%#		
96) 4-Terphenyl-d14	10.359	244	168255	4.520	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	452.00%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.550	74	26579	4.818	ug/ml#	75
3) Pyridine	1.582	79	44894M1	4.748	ug/ml	
5) Aniline	3.975	93	69209	4.762	ug/ml	97
6) 2-Chlorophenol	4.090	128	53094	4.769	ug/ml#	90
8) Phenol	4.006	94	57226	4.750	ug/ml	95
9) Bis(2-chloroethyl)ether	4.071	93	45922	4.806	ug/ml	94
10) 1,3-Dichlorobenzene	4.242	146	63493	4.752	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	65044	4.761	ug/ml	96
12) 1,2-Dichlorobenzene	4.472	146	62187	4.733	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	38998	4.838	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.631	45	74631	4.782	ug/ml#	66
15) 2-Methylphenol	4.615	108	44932	4.867	ug/ml	97
16) Hexachloroethane	4.808	117	24647	4.899	ug/ml#	73
17) n-Nitrosodi-n-propylamine	4.752	70	33140	4.867	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.777	108	48542	4.811	ug/ml	98
20) Nitrobenzene	4.882	77	49719	4.719	ug/ml	95
21) Isophorone	5.137	82	90972	4.740	ug/ml	98
22) 2-Nitrophenol	5.209	139	24246	4.531	ug/ml#	88
23) 2,4-Dimethylphenol	5.302	107	50466	4.748	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.389	93	61789	4.779	ug/ml	99
25) 2,4-Dichlorophenol	5.454	162	47994	4.908	ug/ml#	95
26) 1,2,4-Trichlorobenzene	5.532	180	53860	4.688	ug/ml	97
36) Naphthalene	5.594	128	167086	4.749	ug/ml	100
37) Benzoic Acid	5.386	105	25898	3.671	ug/ml	92
38) 4-Chloroaniline	5.675	65	18628	4.895	ug/ml#	62
39) Hexachlorobutadiene	5.756	225	31995	4.910	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	44260	4.795	ug/ml	94
41) 2-Methylnaphthalene	6.287	142	102775	4.933	ug/ml	96
42) 1-Methylnaphthalene	6.380	115	35694	4.832	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	38722	4.687	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	34572	4.984	ug/ml	97
45) 2,4,5-Trichlorophenol	6.614	196	39530	5.077	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	114228	4.833	ug/ml	96
48) 2-Nitroaniline	6.878	138	33114	4.941	ug/ml#	79
49) 1,4-Dinitrobenzene	7.018	168	14690	4.654	ug/ml	79
50) 1,3-Dinitrobenzene	7.092	168	17461	4.805	ug/ml#	1
51) Dimethyl phthalate	7.092	163	132414	4.752	ug/ml#	98
52) Acenaphthylene	7.161	152	186814	4.910	ug/ml	99
53) 2,6-Dinitrotoluene	7.130	165	26686	4.911	ug/ml#	78
54) 1,2-Dinitrobenzene	7.170	168	11853	5.014	ug/ml#	1
64) 3-Nitroaniline	7.285	138	32931	4.850	ug/ml	87
65) Acenaphthene	7.338	154	103552	4.588	ug/ml	90
66) 2,4-Dinitrophenol	7.387	184	13885	4.219	ug/ml#	86
67) Dibenzofuran	7.509	168	168817	4.606	ug/ml	95
68) 2,4-Dinitrotoluene	7.521	165	37575	4.916	ug/ml	91
69) 4-Nitrophenol	7.487	65	22550	4.765	ug/ml#	79
70) 2,3,5,6-Tetrachlorophenol	7.605	232	33383	4.945	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	32978	5.029	ug/ml	99
72)	Diethyl phthalate	7.795	149	137837	4.574	ug/ml	99
73)	Fluorene	7.844	166	131518	4.573	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	62071	4.537	ug/ml	91
75)	4-Nitroaniline	7.875	138	32255	4.816	ug/ml#	80
76)	4,6-Dinitro-o-cresol	7.916	198	18815	4.427	ug/ml#	67
77)	NDPA/DPA	7.990	169	113782	4.734	ug/ml	94
78)	Azobenzene	8.022	77	120724	4.776	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	38130	4.522	ug/ml#	84
81)	Hexachlorobenzene	8.388	284	42967	4.551	ug/ml#	86
82)	Pentachlorophenol	8.587	266	23880	4.296	ug/ml	99
89)	Phenanthrene	8.777	178	205009	4.500	ug/ml	99
90)	Anthracene	8.827	178	207103	4.640	ug/ml	99
91)	Carbazole	9.001	167	195054	4.760	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	228103	4.754	ug/ml	98
93)	Fluoranthene	9.942	202	227666	4.635	ug/ml#	94
94)	Benzidine	10.104	184	143338	4.549	ug/ml#	95
95)	Pyrene	10.157	202	243958	4.656	ug/ml	99
97)	Butyl benzyl phthalate	10.890	149	95520	4.765	ug/ml	87
105)	Benzo(a)anthracene	11.381	228	238200	4.650	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.391	252	83013	4.709	ug/ml	98
107)	Chrysene	11.419	228	226525	4.465	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.534	149	158955	4.946	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	253404	4.704	ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	227992	4.700	ug/ml	97
111)	Benzo(k)fluoranthene	12.513	252	234496M3	4.740	ug/ml	
112)	Benzo(a)pyrene	12.796	252	215944	4.751	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	207533	4.539	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.843	278	218203	4.609	ug/ml#	94
116)	Benzo(ghi)perylene	14.039	276	211143	4.527	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

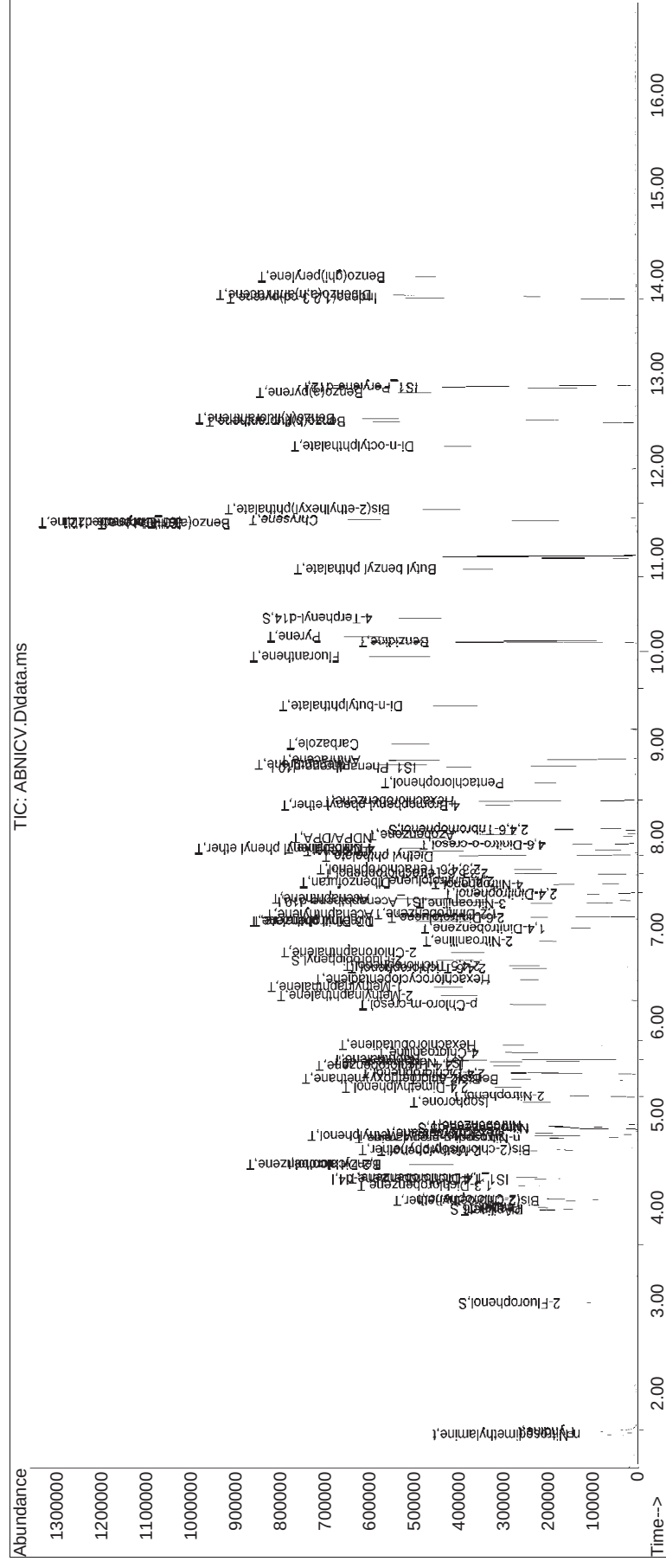
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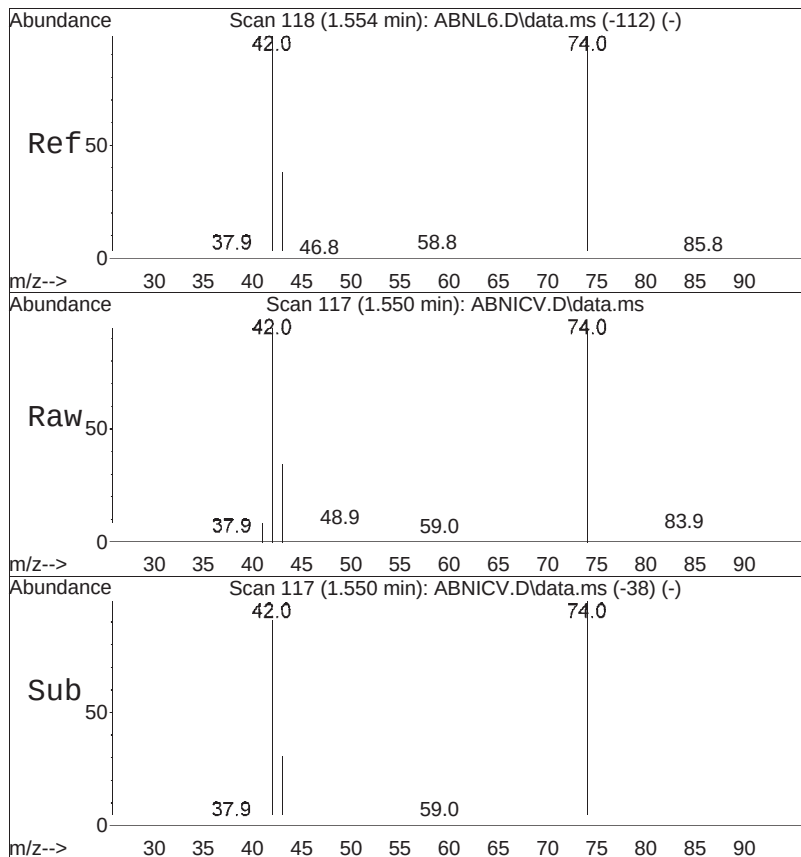
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Data File     : ABNICY.D
Acq On        : 27 Aug 2025  11:33 pm
Operator      : SV106:smz
Sample        : CQICV1,32,,ABNICY Lot# 11
Misc          : WG2108428,,
ALS Vial      : 10 Sample Multiplier: 1

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Quant Time: Aug 28 06:21:01 2025
Quant Method : I:\8270\SV106\25082ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:20:54 2025
Response via : Initial Calibration

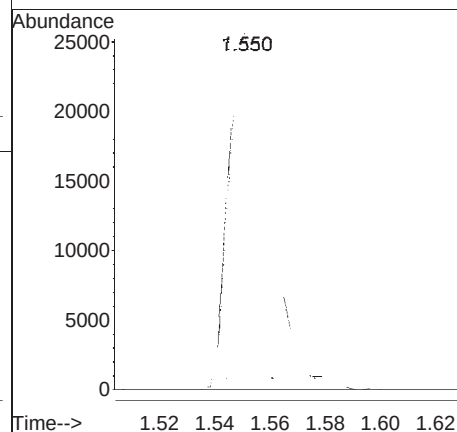
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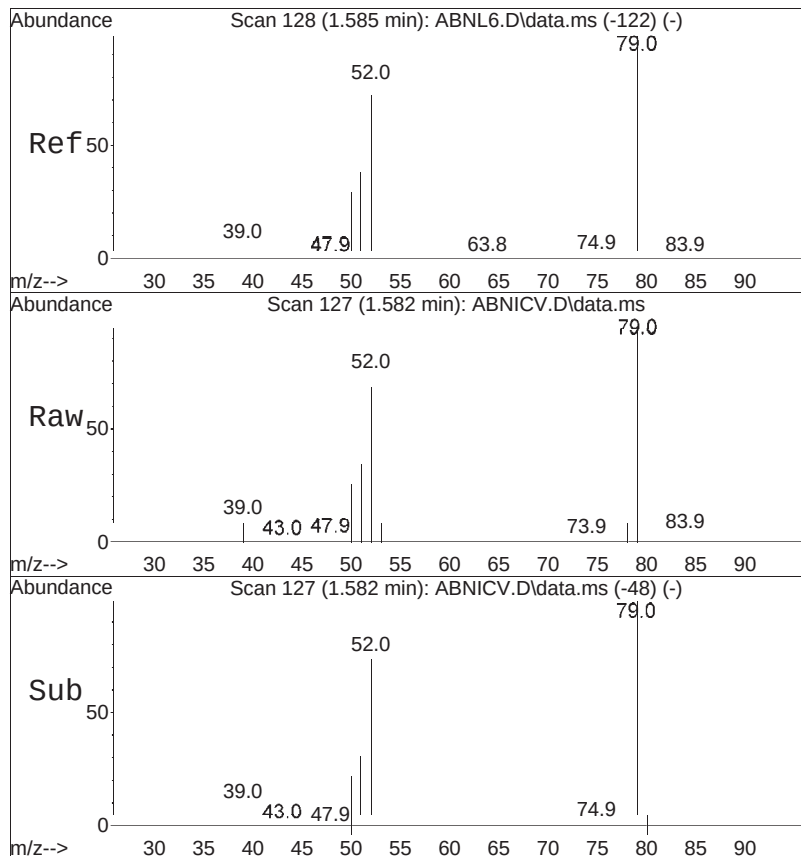




#2
 n-Nitrosodimethylamine
 Concen: 4.82 ug/ml
 RT: 1.550 min Scan# 117
 Delta R.T. -0.004 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

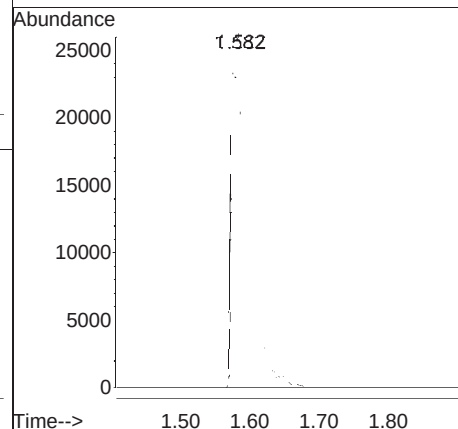
Tgt Ion:	74	Resp:	26579
Ion Ratio	Lower	Upper	
74	100		
42	94.9	100.0	150.0#
44	7.9	6.7	10.1

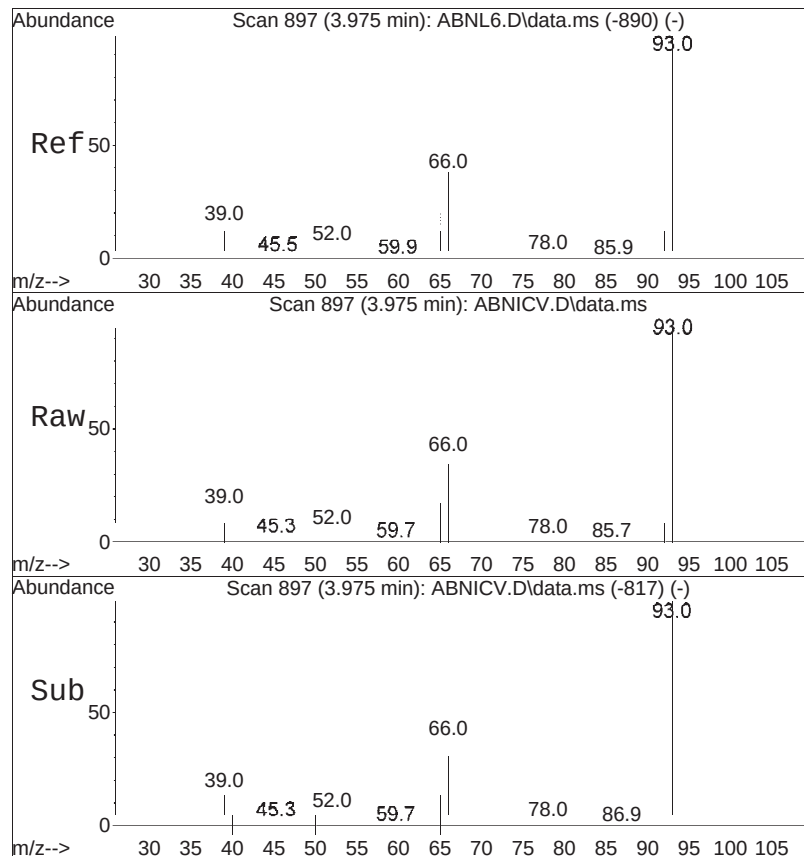




#3
 Pyridine
 Concen: 4.75 ug/ml M1
 RT: 1.582 min Scan# 127
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

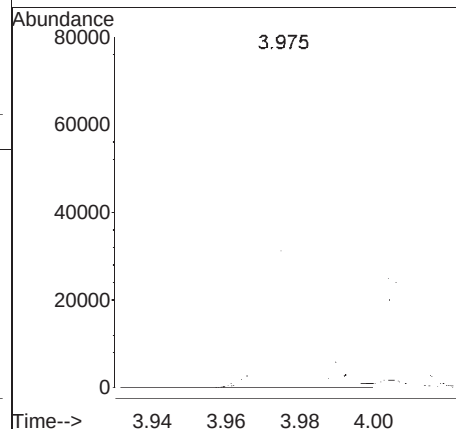
Tgt Ion	Ratio	Lower	Upper
79	100		
52	78.5	93.1	139.7#

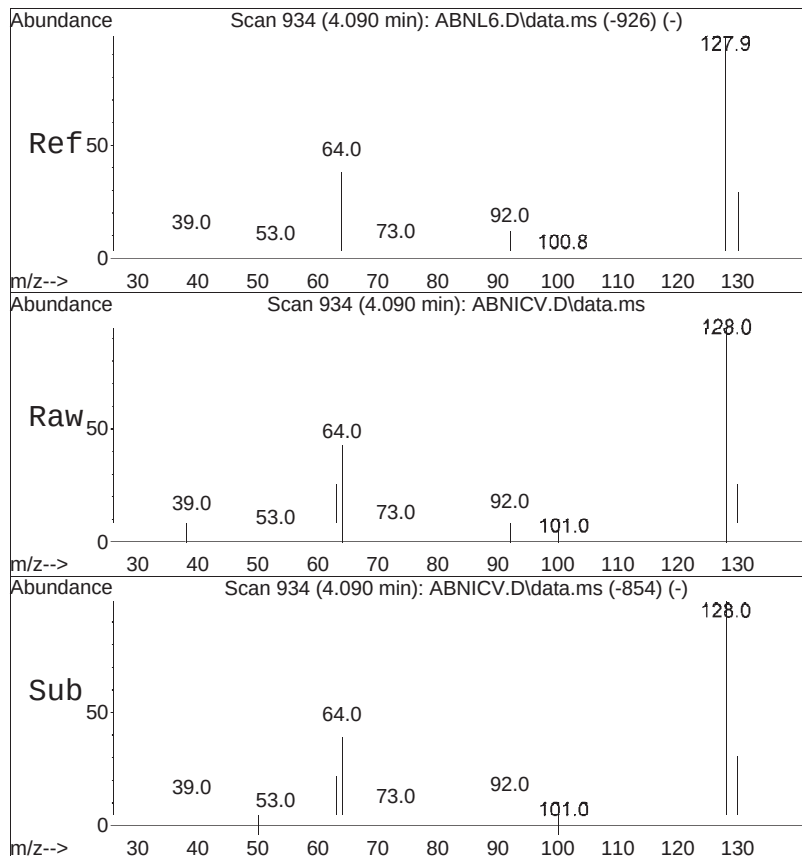




#5
 Aniline
 Concen: 4.76 ug/ml
 RT: 3.975 min Scan# 897
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

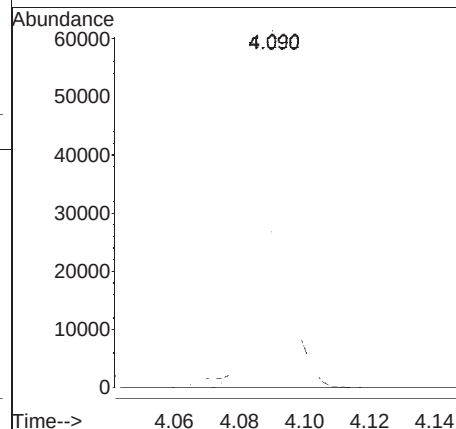
Tgt Ion:	93	Resp:	69209
Ion Ratio	Lower	Upper	
93	100		
66	39.3	32.6	49.0
65	20.3	17.6	26.4

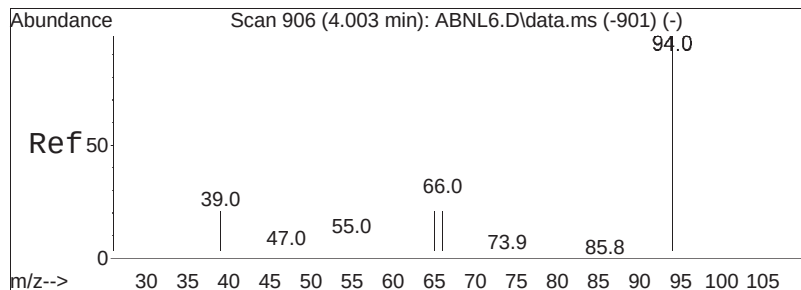




#6
 2-Chlorophenol
 Concen: 4.77 ug/ml
 RT: 4.090 min Scan# 934
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

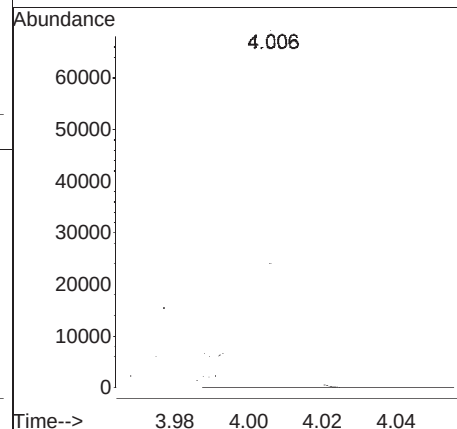
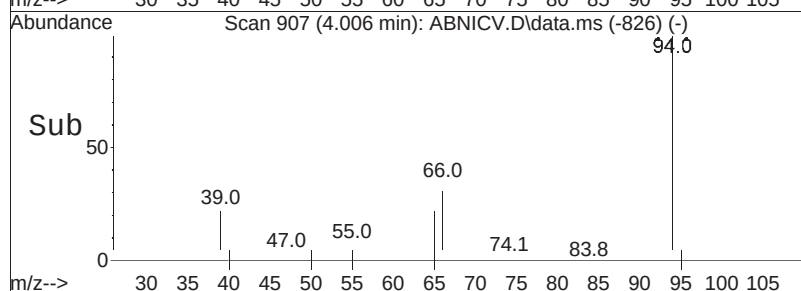
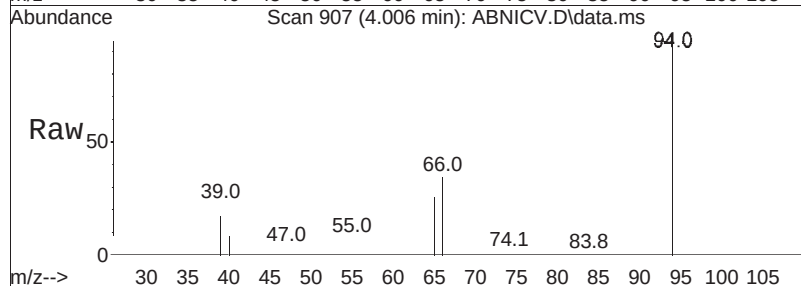
Tgt Ion	Ratio	Lower	Upper
128	100		
64	44.7	45.1	67.7#
130	32.6	26.2	39.4

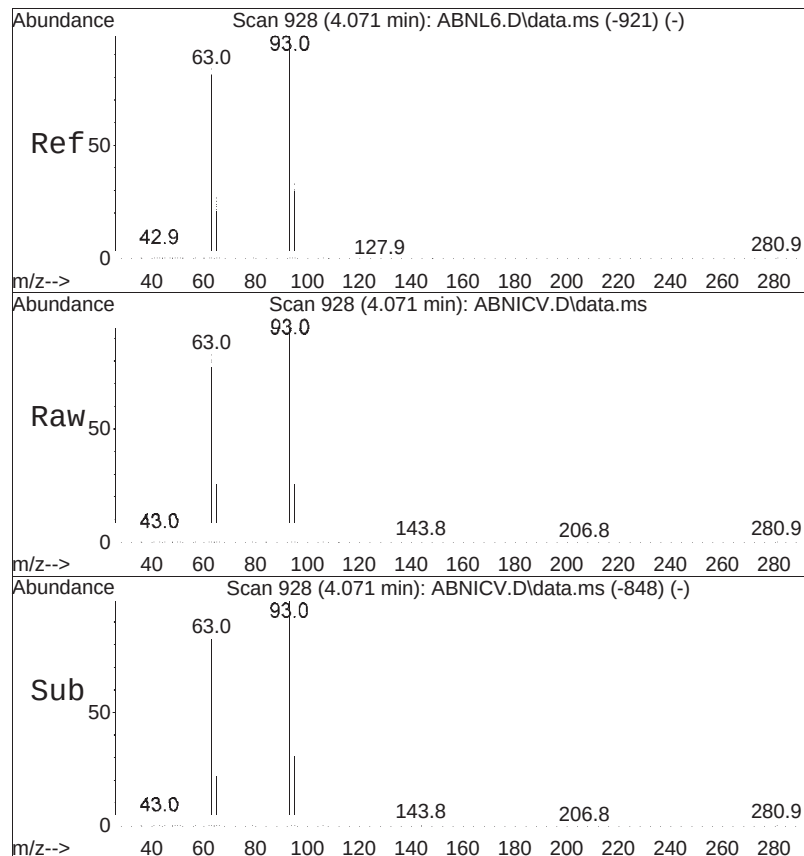




#8
 Phenol
 Concen: 4.75 ug/ml
 RT: 4.006 min Scan# 907
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

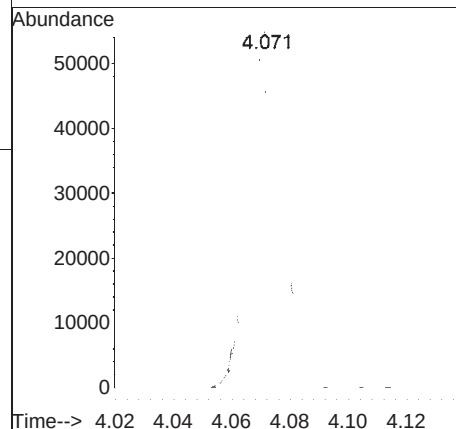
Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.3	26.0	39.0
66	39.4	33.8	50.8

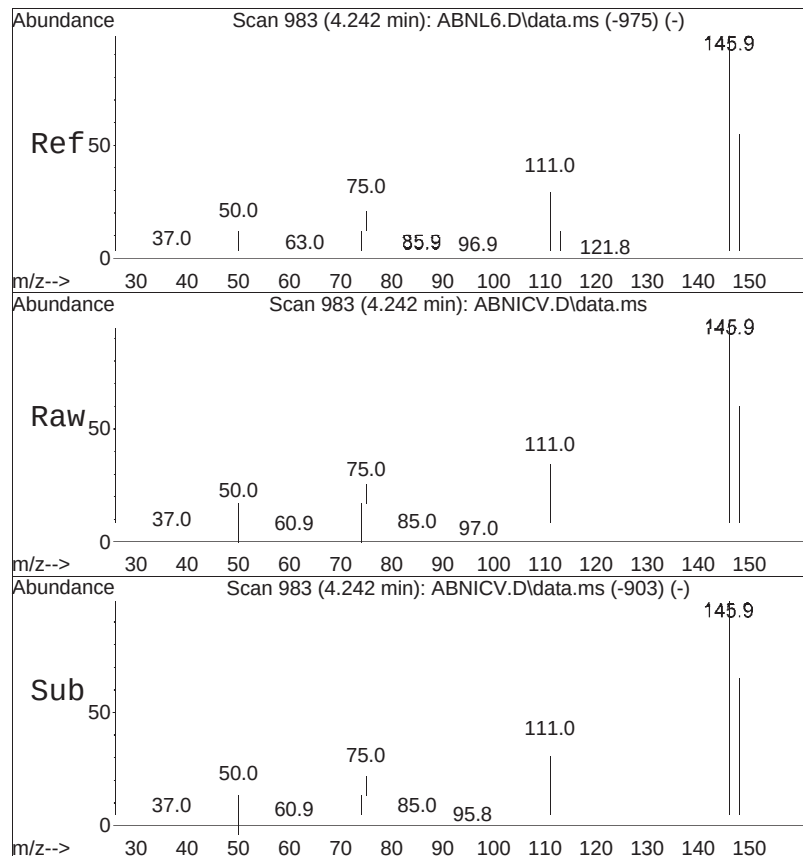




#9
 Bis(2-chloroethyl)ether
 Concen: 4.81 ug/ml
 RT: 4.071 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

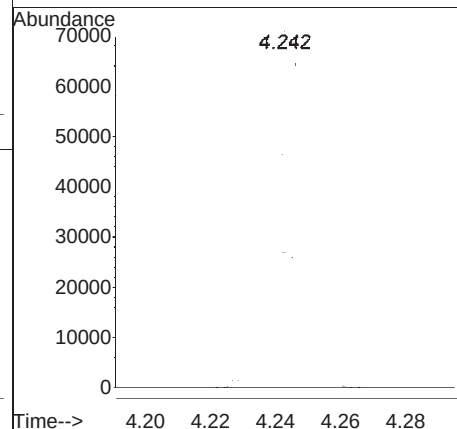
Tgt Ion:	93	Resp:	45922
Ion Ratio	Lower	Upper	
93	100		
63	84.9	74.6	111.8
95	32.6	25.9	38.9

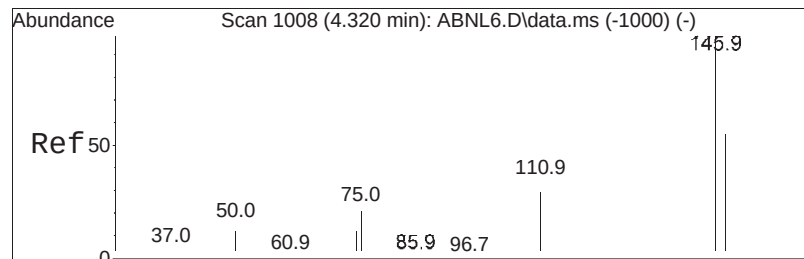




#10
 1,3-Dichlorobenzene
 Concen: 4.75 ug/ml
 RT: 4.242 min Scan# 983
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

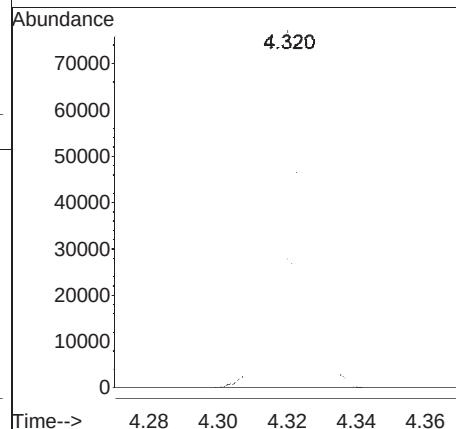
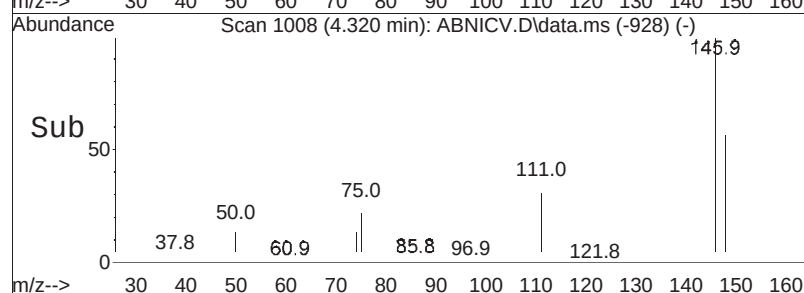
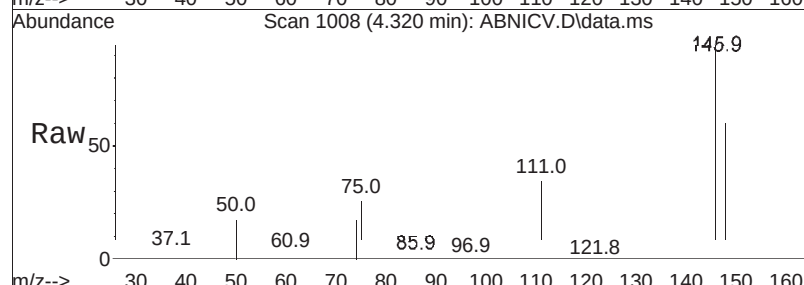
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	34.3	51.5
148	64.7	50.8	76.2

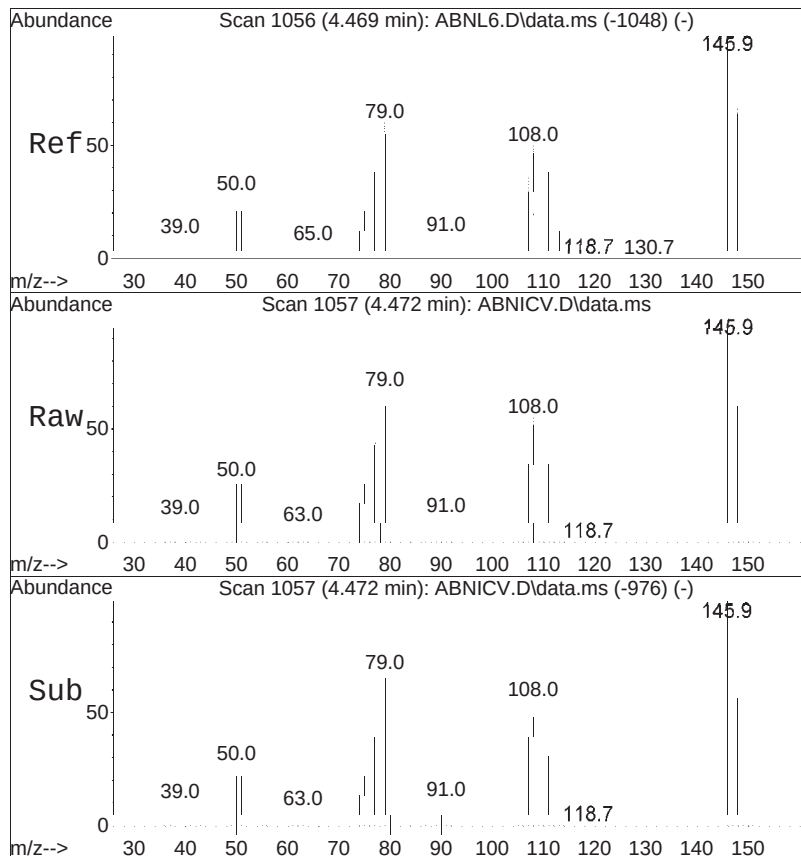




#11
 1,4-Dichlorobenzene
 Concen: 4.76 ug/ml
 RT: 4.320 min Scan# 1008
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

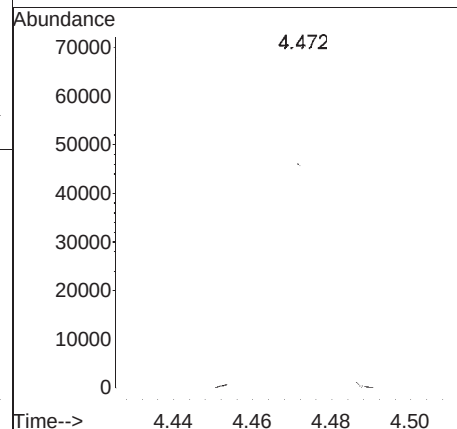
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.7	76.1
111	37.5	33.4	50.0

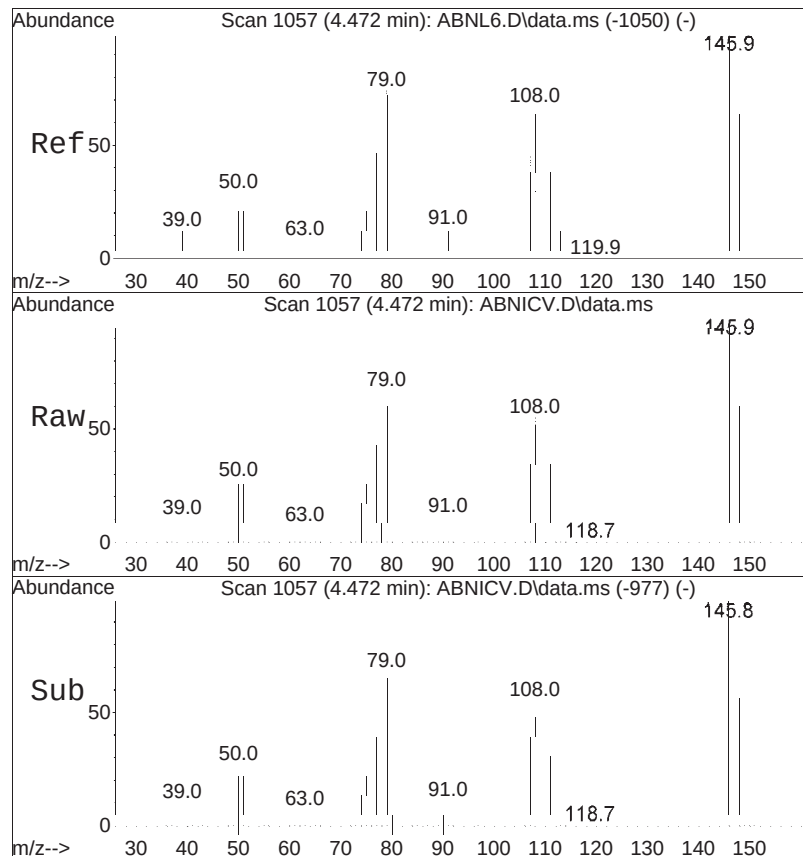




#12
 1,2-Dichlorobenzene
 Concen: 4.73 ug/ml
 RT: 4.472 min Scan# 1057
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

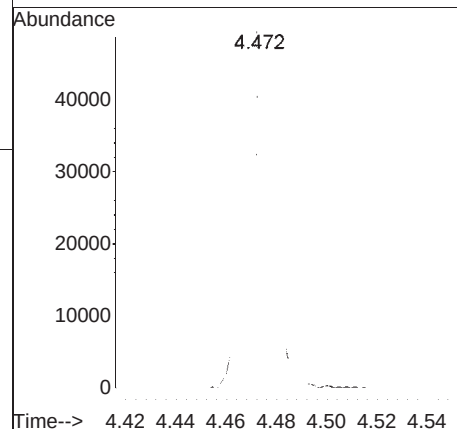
Tgt Ion:	146	Resp:	62187
Ion Ratio	Lower	Upper	
146	100		
111	37.4	34.6	52.0
148	63.6	50.2	75.4

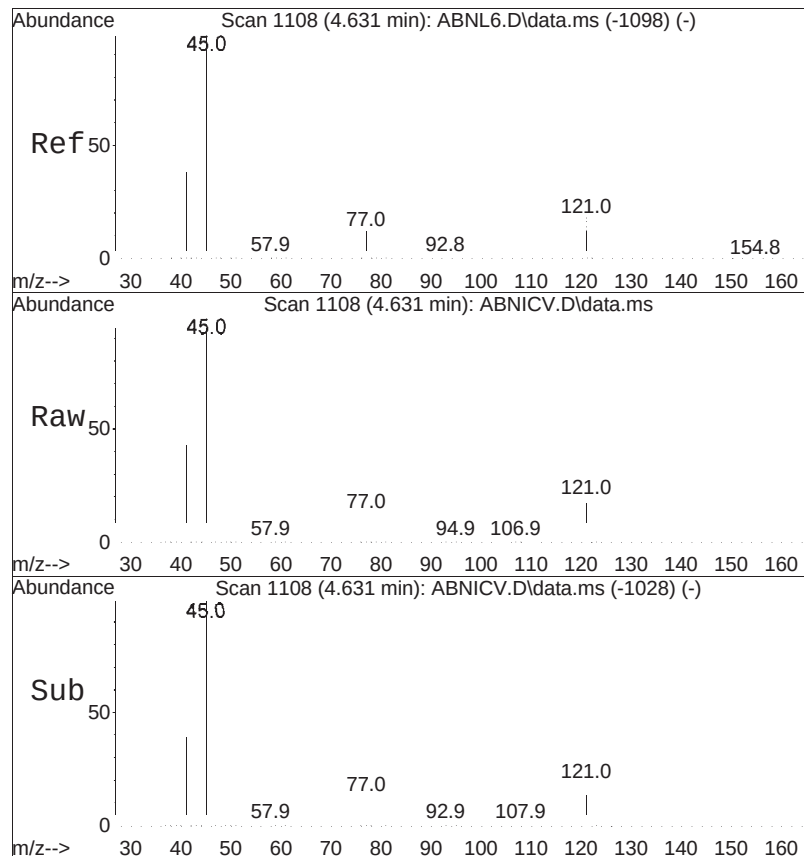




#13
 Benzyl alcohol
 Concen: 4.84 ug/ml
 RT: 4.472 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

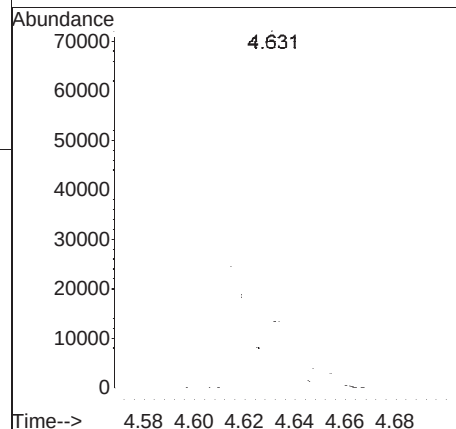
Tgt Ion	Ratio	Lower	Upper
79	100		
77	65.9	54.9	82.3
108	82.4	63.1	94.7

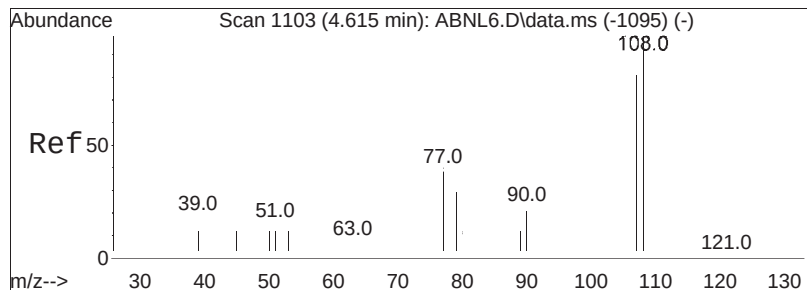




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.78 ug/ml
 RT: 4.631 min Scan# 1108
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

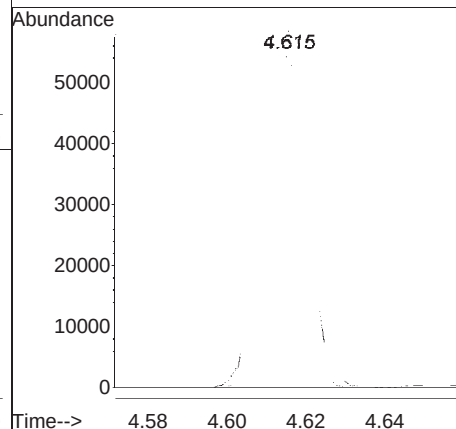
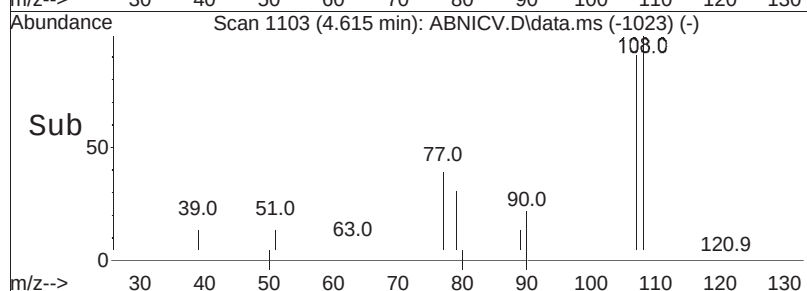
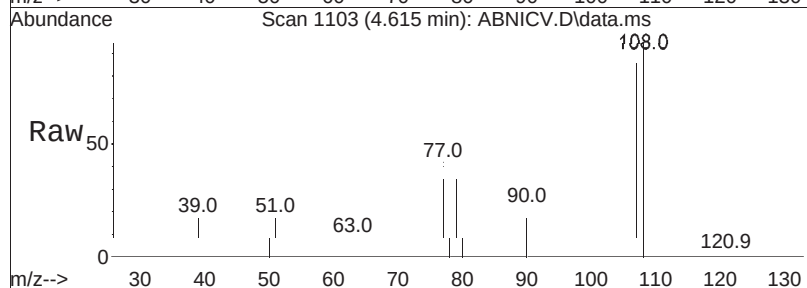
Tgt Ion:	45	Resp:	74631
Ion Ratio	Lower	Upper	
45	100		
121	18.9	9.8	14.6#
77	29.0	6.1	9.1#

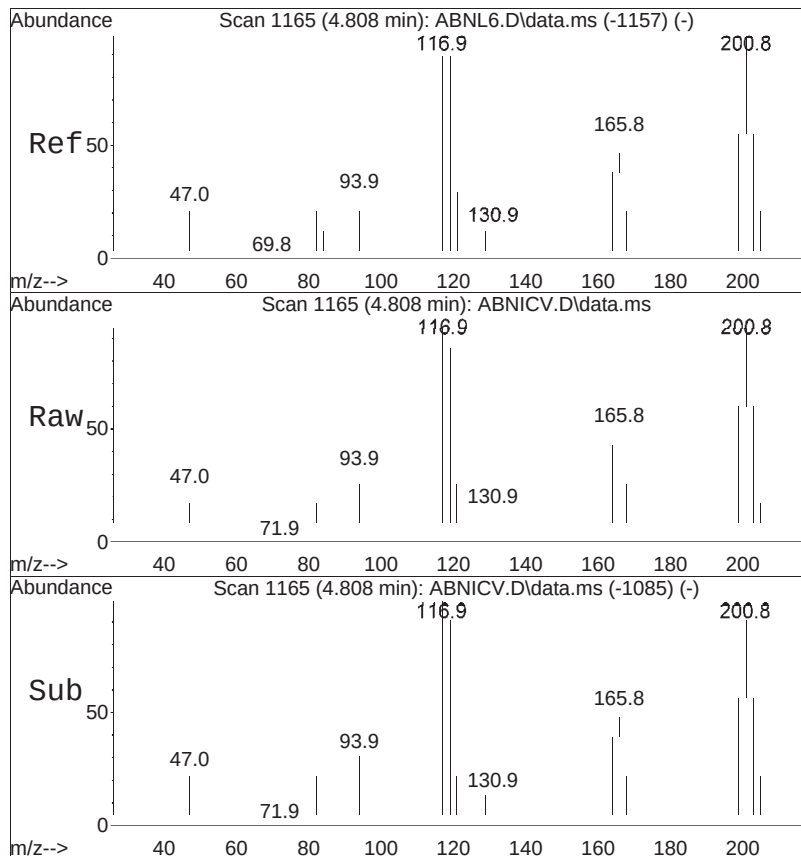




#15
 2-Methylphenol
 Concen: 4.87 ug/ml
 RT: 4.615 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

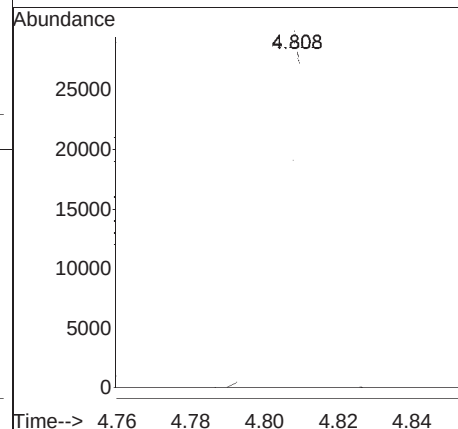
Tgt Ion	Ratio	Lower	Upper
108	100		
107	92.1	70.7	106.1
90	22.9	18.7	28.1

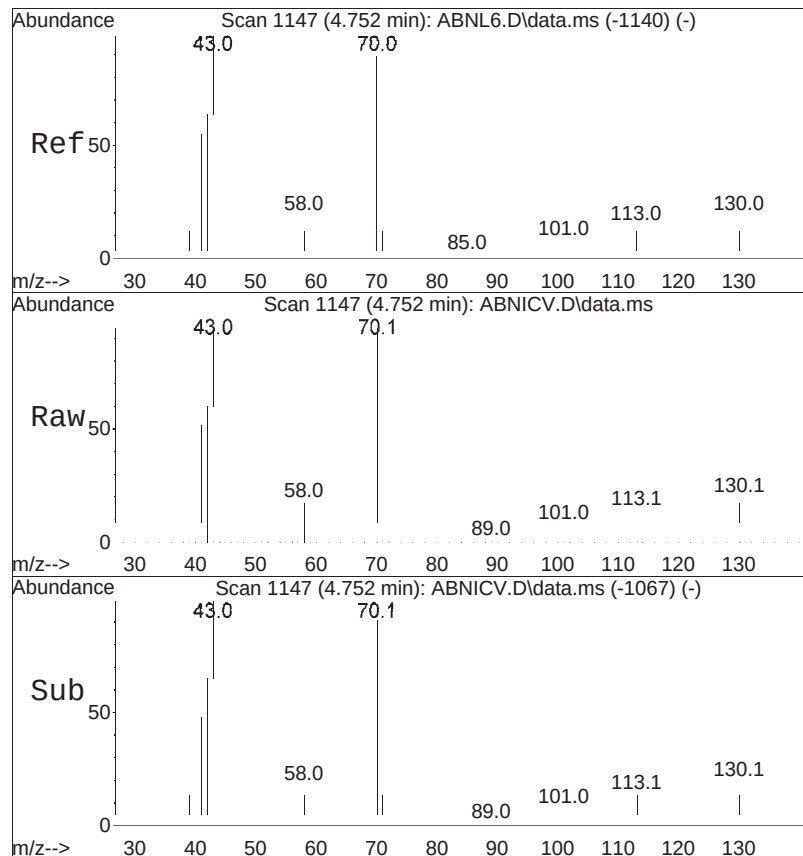




#16
 Hexachloroethane
 Concen: 4.90 ug/ml
 RT: 4.808 min Scan# 1165
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

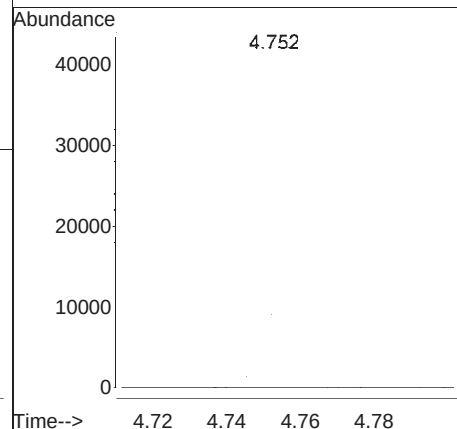
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Ion Ratio	Lower	Upper	
117	100		
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199	60.8	36.9	55.3#

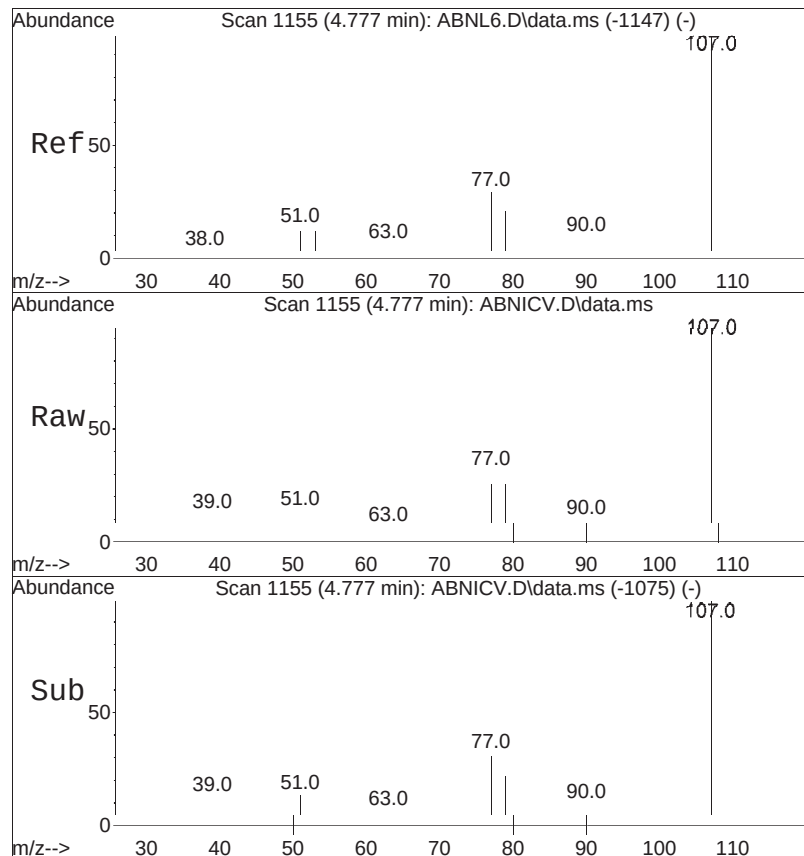




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.87 ug/ml
 RT: 4.752 min Scan# 1147
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

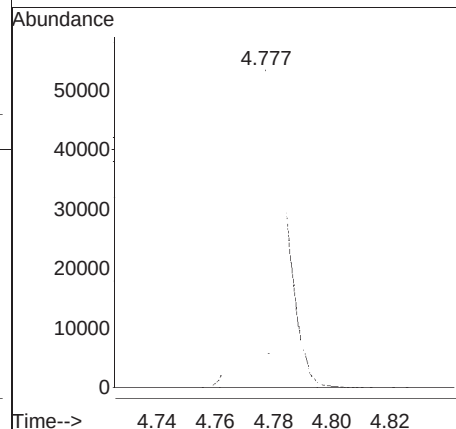
Tgt Ion:	70	Resp:	33140
Ion Ratio	Lower	Upper	
70	100		
130	20.2	18.2	27.4
101	9.1	7.8	11.8

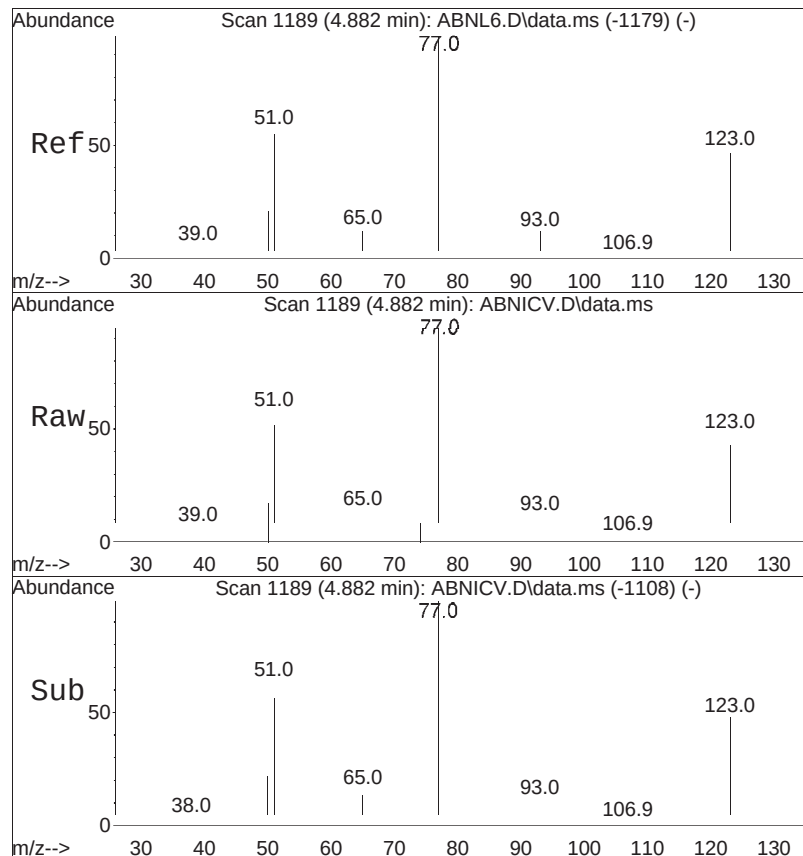




#18
 3-Methylphenol/4-Methylphenol
 Concen: 4.81 ug/ml
 RT: 4.777 min Scan# 1155
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

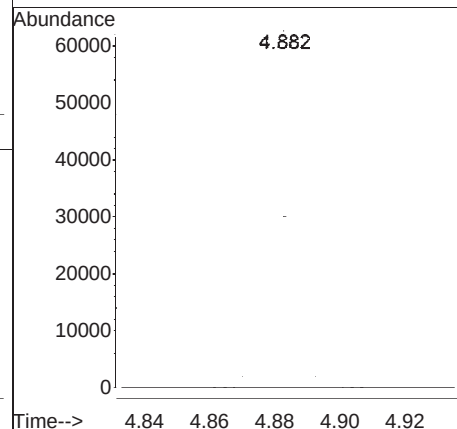
Tgt Ion	Ratio	Resp	Lower	Upper
108	100	48542		
107	112.9		88.6	132.8
90	10.9		8.8	13.2

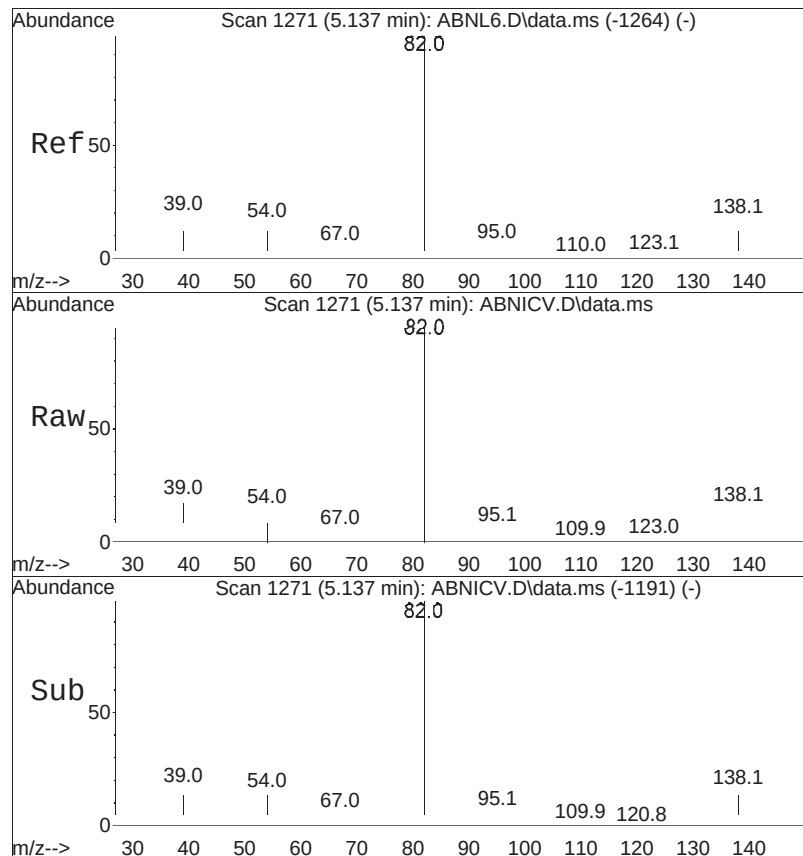




#20
 Nitrobenzene
 Concen: 4.72 ug/ml
 RT: 4.882 min Scan# 1189
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

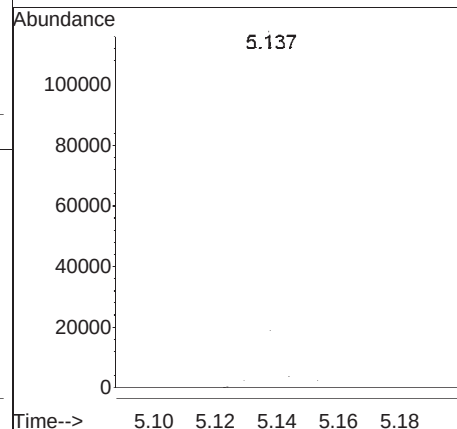
Tgt Ion	Ratio	Resp	Lower	Upper
77	100	49719		
123	49.1		36.3	54.5
65	13.5		11.6	17.4

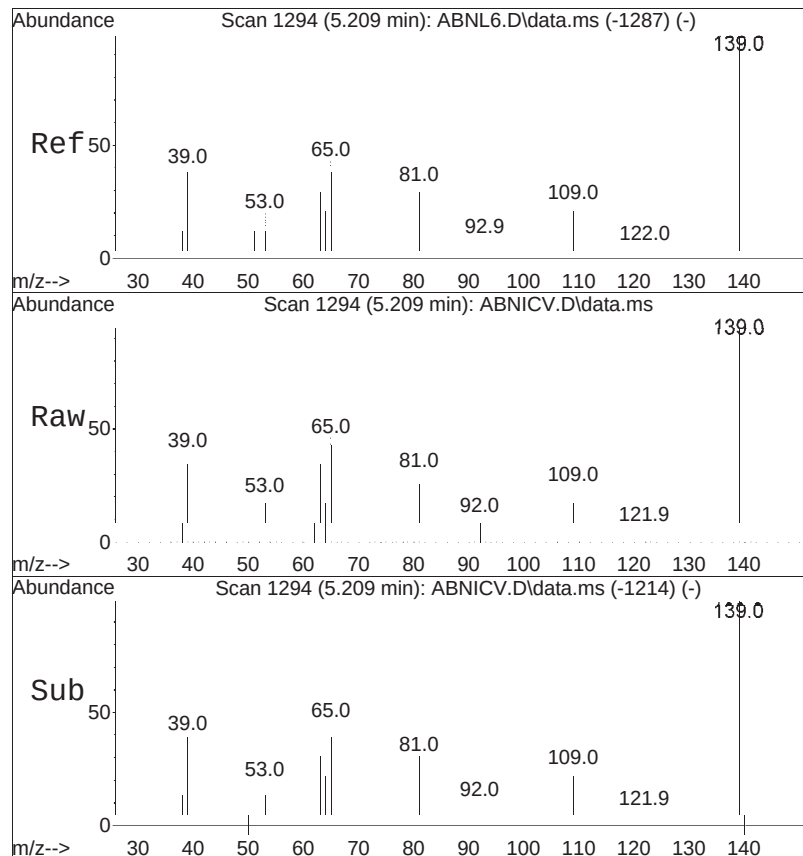




#21
 Isophorone
 Concen: 4.74 ug/ml
 RT: 5.137 min Scan# 1271
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

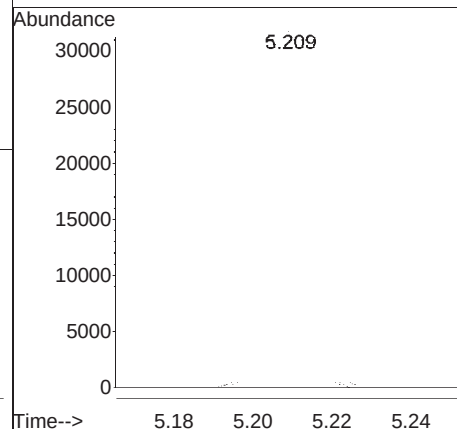
Tgt Ion	Ratio	Lower	Upper
82	100		
138	17.2	14.7	22.1
95	7.0	5.2	7.8

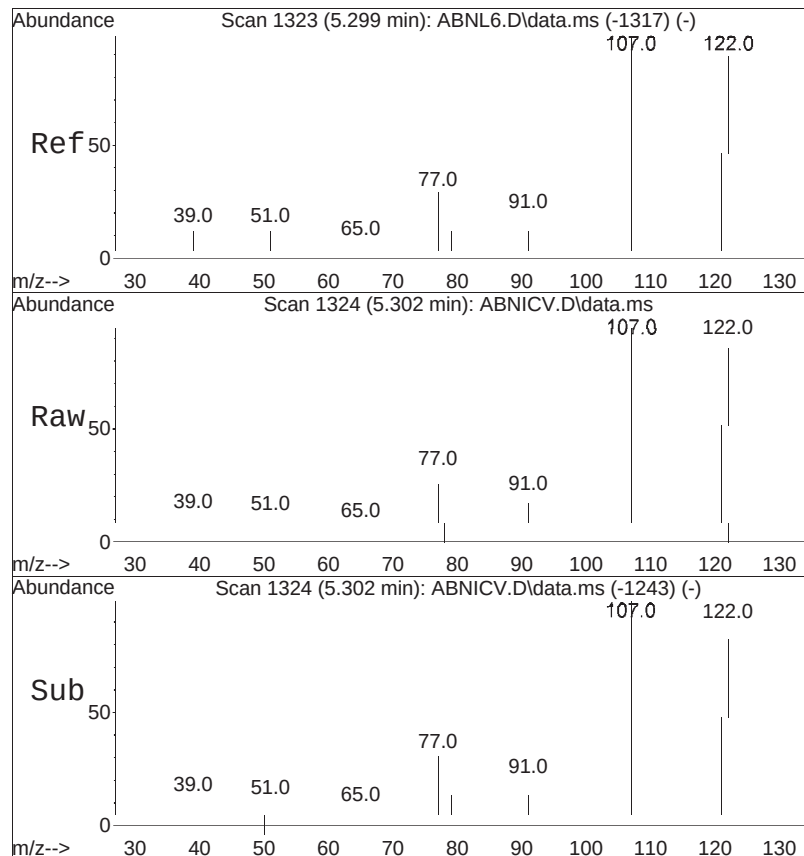




#22
 2-Nitrophenol
 Concen: 4.53 ug/ml
 RT: 5.209 min Scan# 1294
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

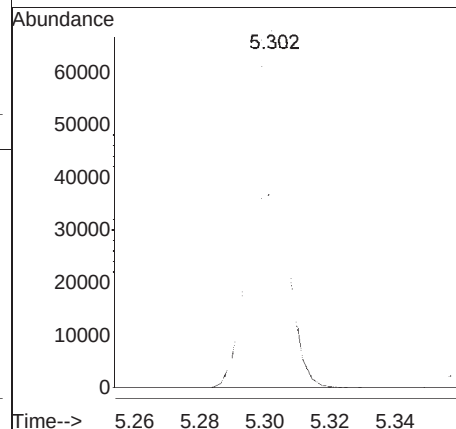
Tgt Ion	Ratio	Lower	Upper
139	100		
109	24.2	19.4	29.0
65	44.8	46.1	69.1#

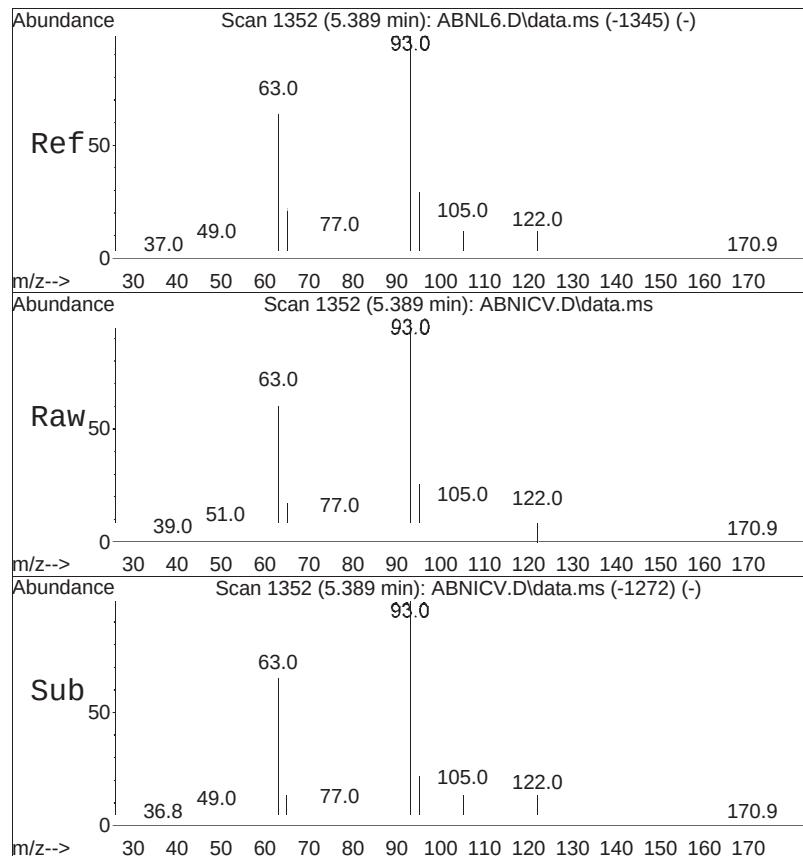




#23
 2,4-Dimethylphenol
 Concen: 4.75 ug/ml
 RT: 5.302 min Scan# 1324
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

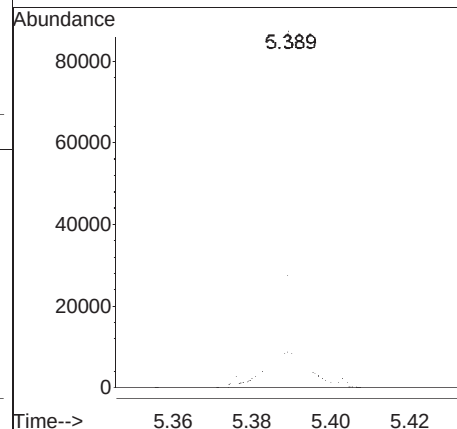
Tgt Ion	Ratio	Lower	Upper
107	100		
121	53.3	40.0	60.0
122	90.8	70.2	105.4

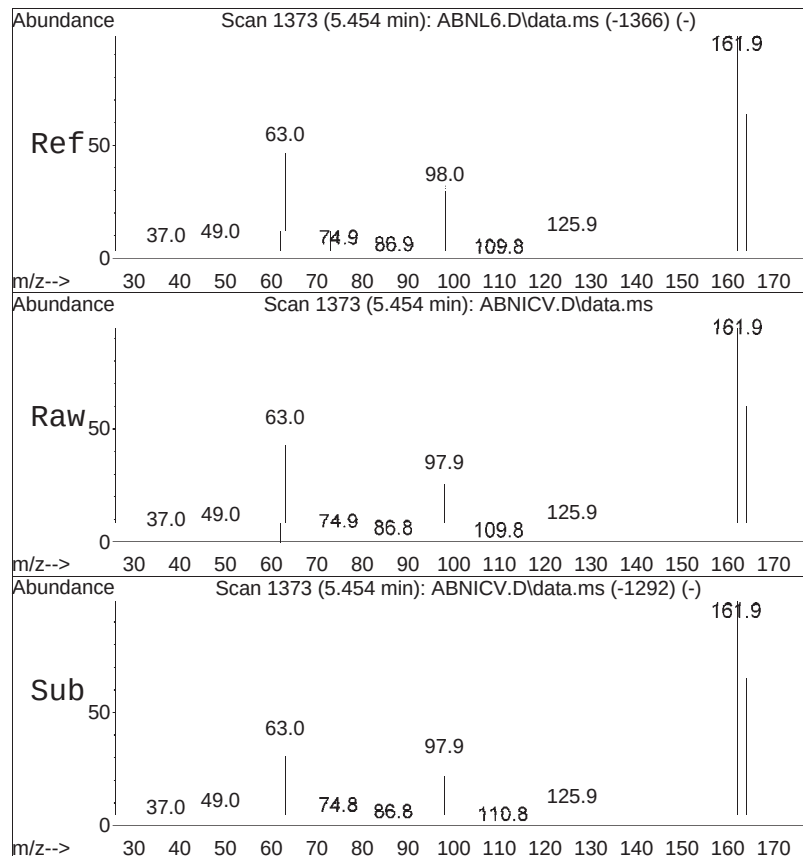




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.78 ug/ml
 RT: 5.389 min Scan# 1352
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

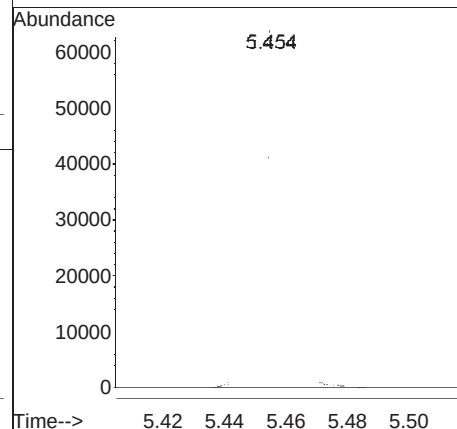
Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	11.8	10.1	15.1

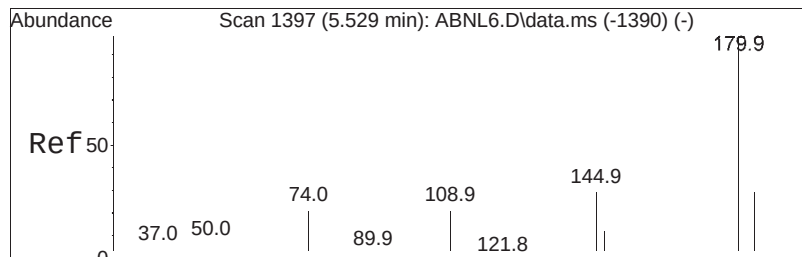




#25
 2,4-Dichlorophenol
 Concen: 4.91 ug/ml
 RT: 5.454 min Scan# 1373
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

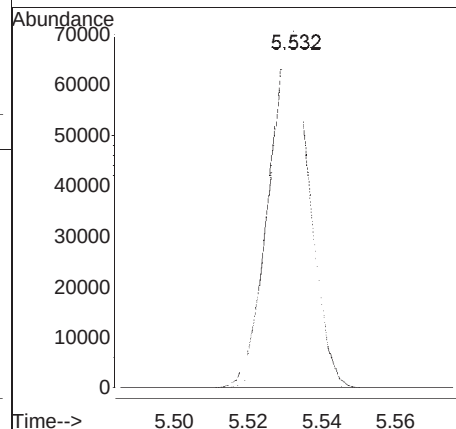
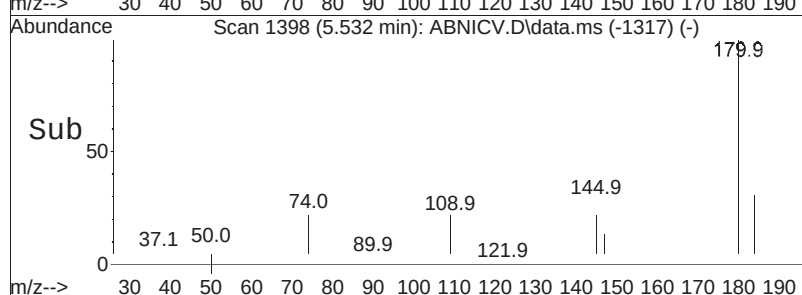
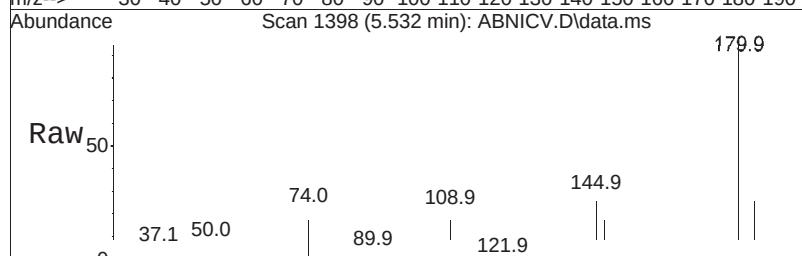
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.8	51.0	76.4
98	31.6	32.2	48.2#

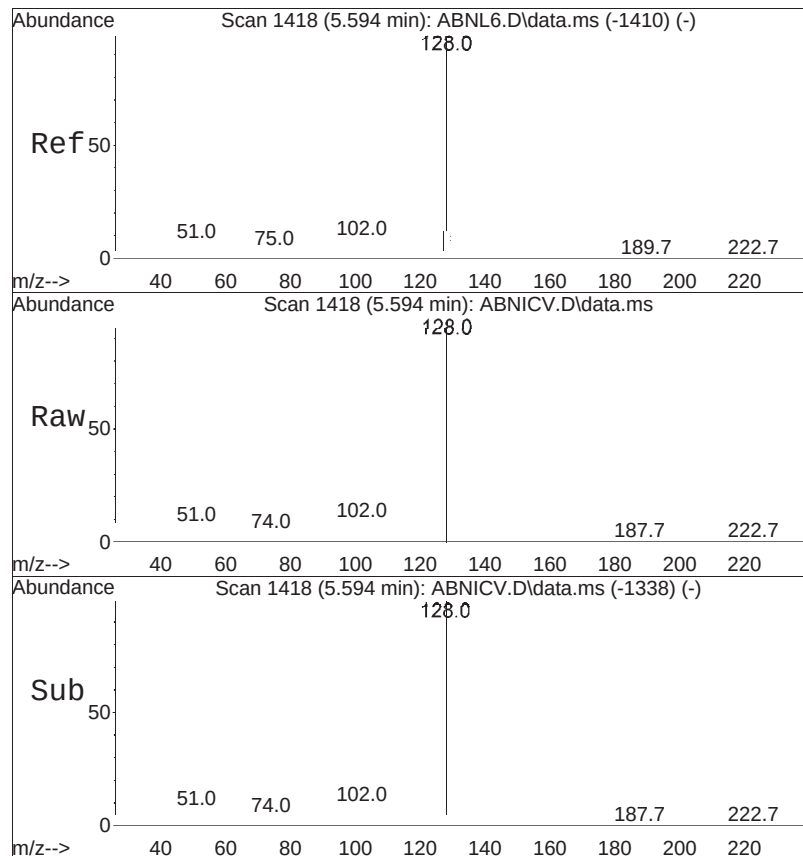




#26
 1,2,4-Trichlorobenzene
 Concen: 4.69 ug/ml
 RT: 5.532 min Scan# 1398
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

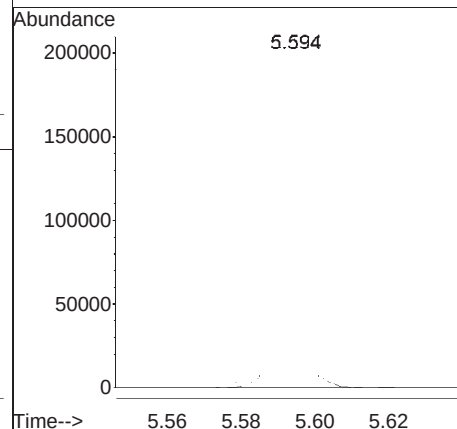
Tgt Ion:	180	Resp:	53860
Ion Ratio	Lower	Upper	
180	100		
182	96.9	76.0	114.0
145	29.1	25.7	38.5

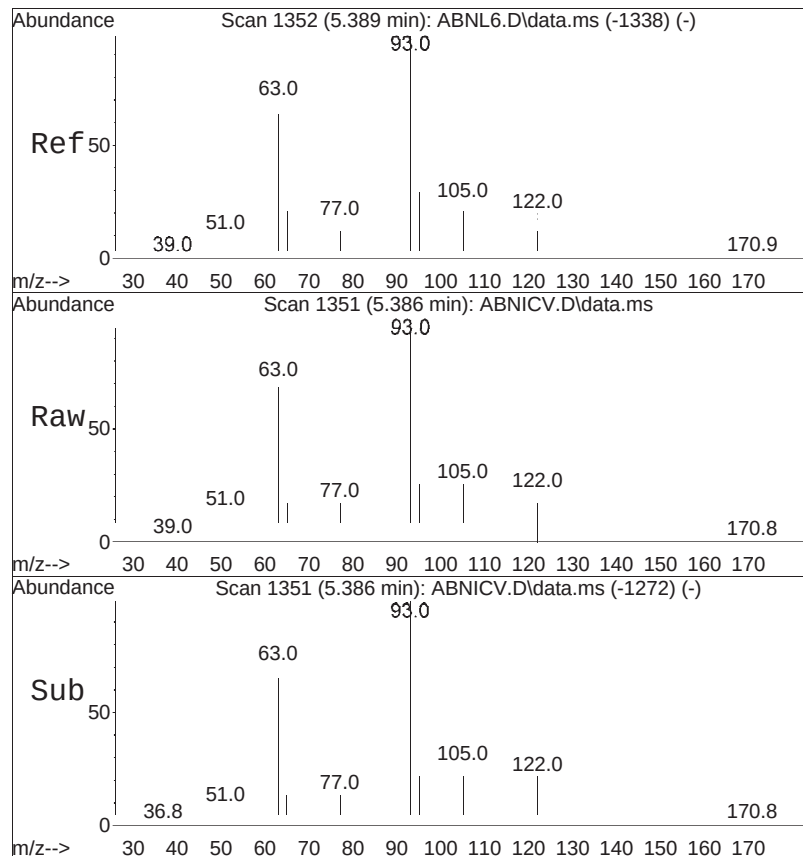




#36
 Naphthalene
 Concen: 4.75 ug/ml
 RT: 5.594 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

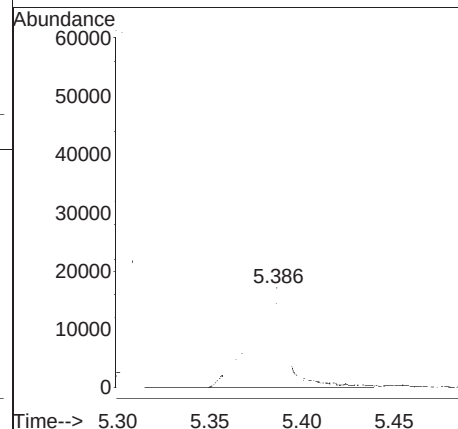
Tgt Ion	Ratio	Resp: Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.2	10.3	15.5

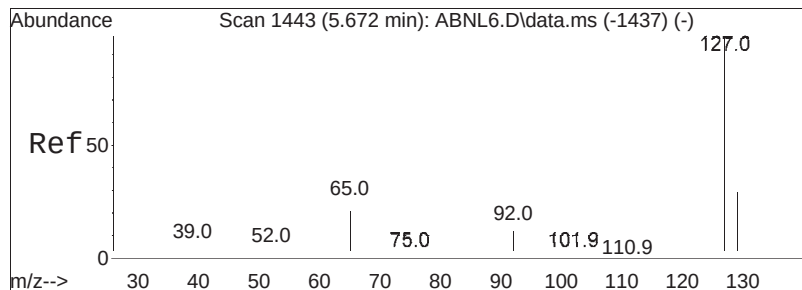




#37
 Benzoic Acid
 Concen: 3.67 ug/ml
 RT: 5.386 min Scan# 1351
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

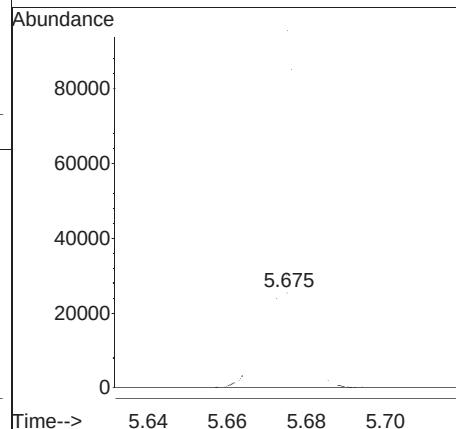
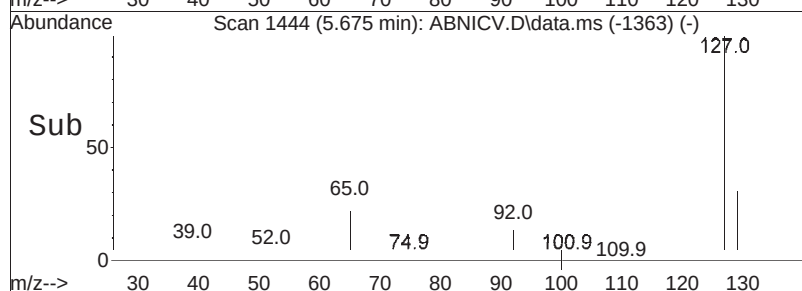
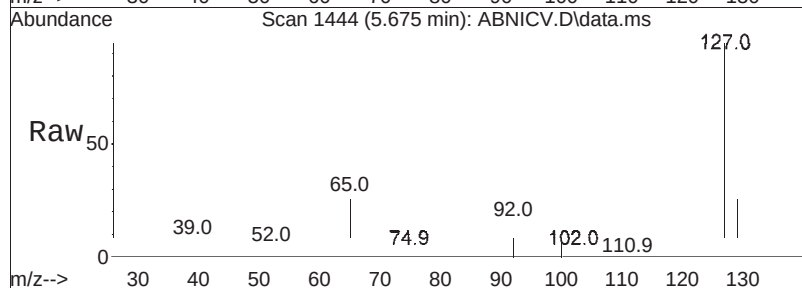
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	25898		
122	84.7		59.9	89.9
77	71.6		60.1	90.1

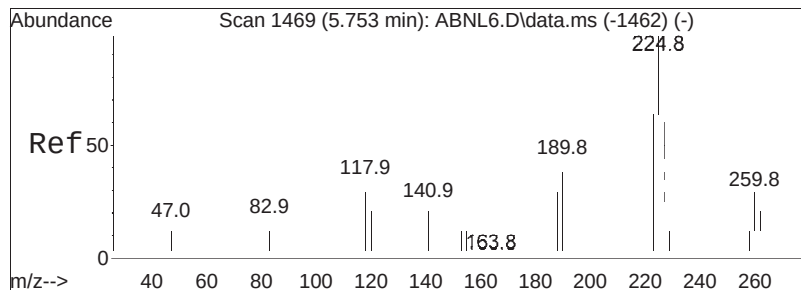




#38
 4-Chloroaniline
 Concen: 4.89 ug/ml
 RT: 5.675 min Scan# 1444
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

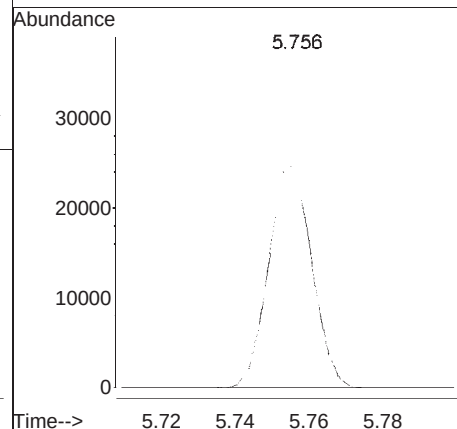
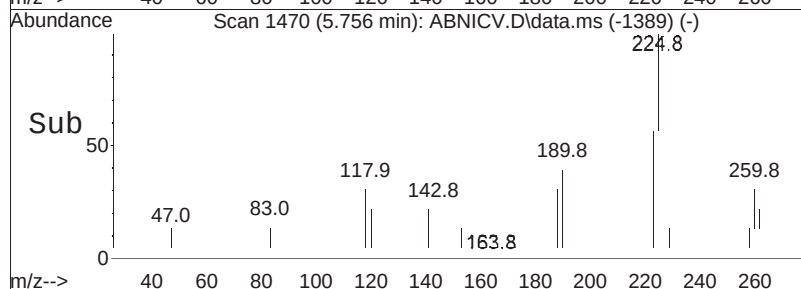
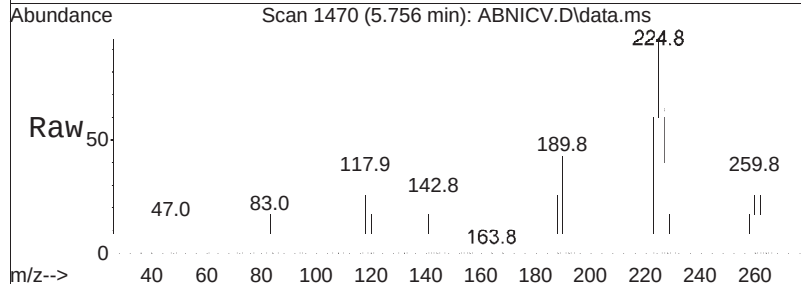
Tgt Ion	Ratio	Lower	Upper
65	100		
127	377.7	237.6	356.4#
129	122.8	76.3	114.5#

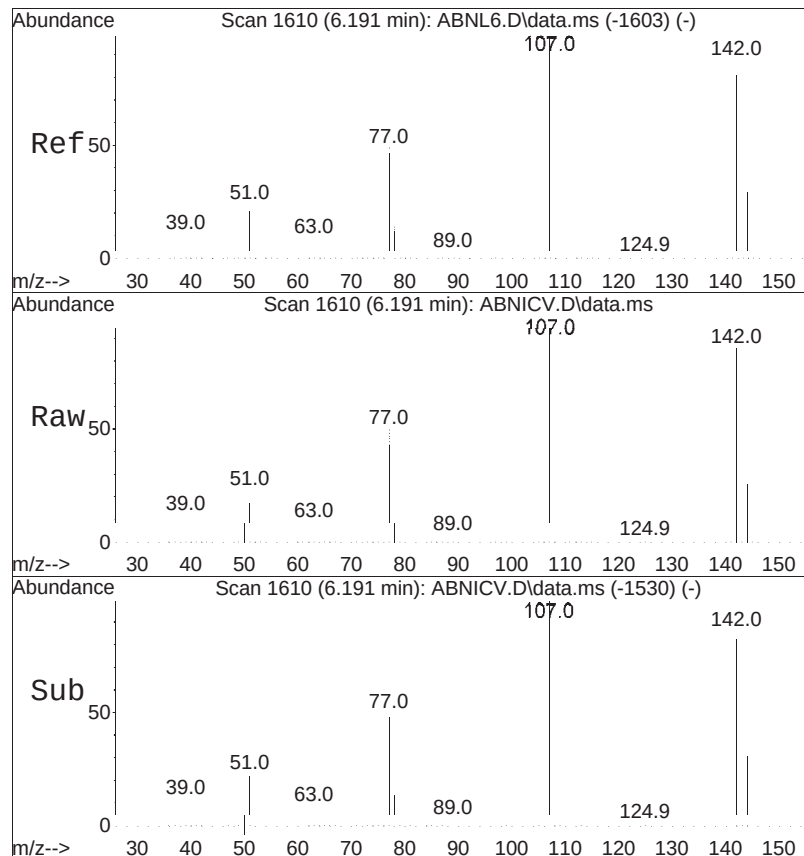




#39
 Hexachlorobutadiene
 Concen: 4.91 ug/ml
 RT: 5.756 min Scan# 1470
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

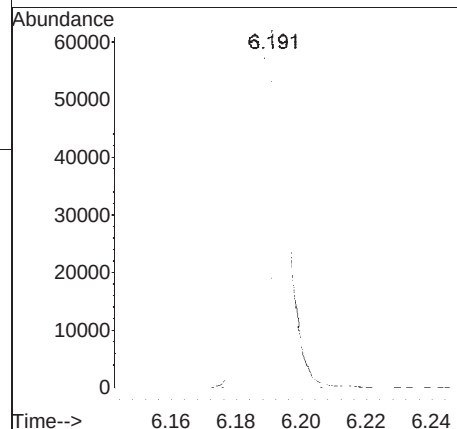
Tgt Ion:	225	Resp:	31995
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.3	75.5
227	63.6	52.2	78.2

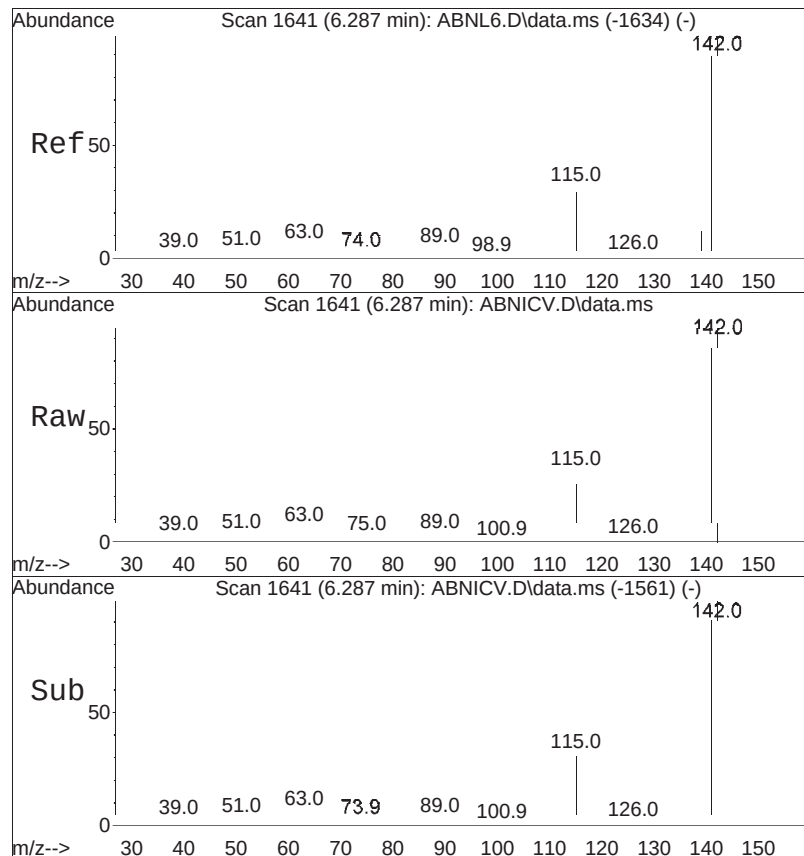




#40
 p-Chloro-m-cresol
 Concen: 4.79 ug/ml
 RT: 6.191 min Scan# 1610
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

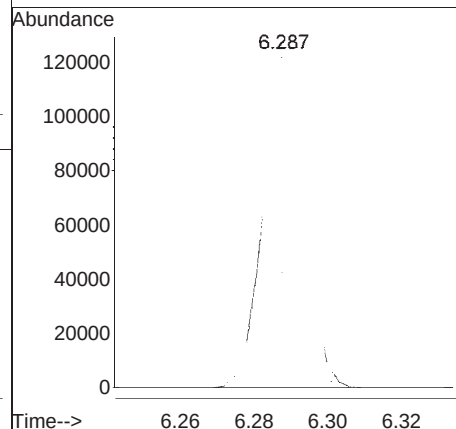
Tgt Ion:	107	Resp:	44260
Ion Ratio	Lower	Upper	
107	100		
144	29.0	20.9	31.3
142	88.4	66.1	99.1

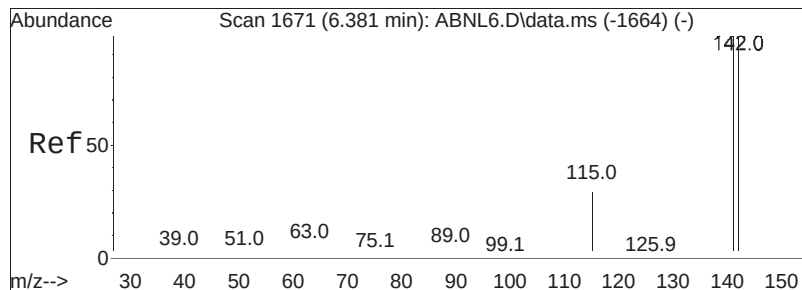




#41
 2-Methylnaphthalene
 Concen: 4.93 ug/ml
 RT: 6.287 min Scan# 1641
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

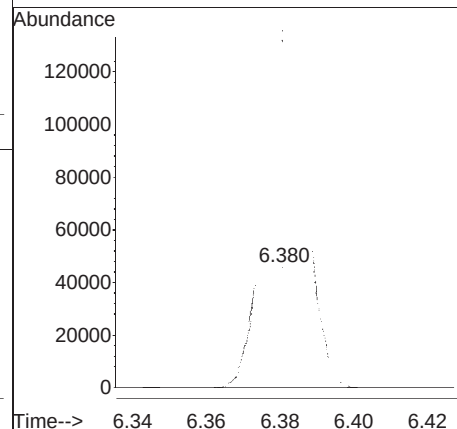
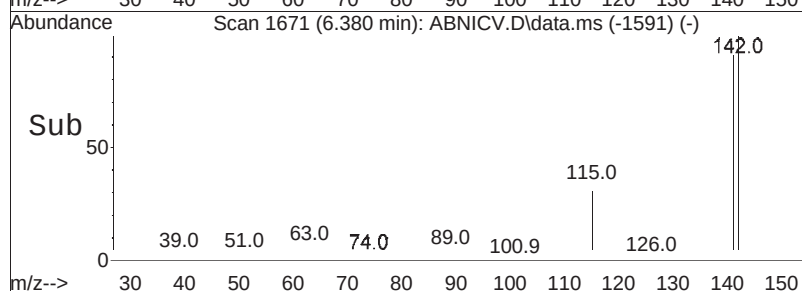
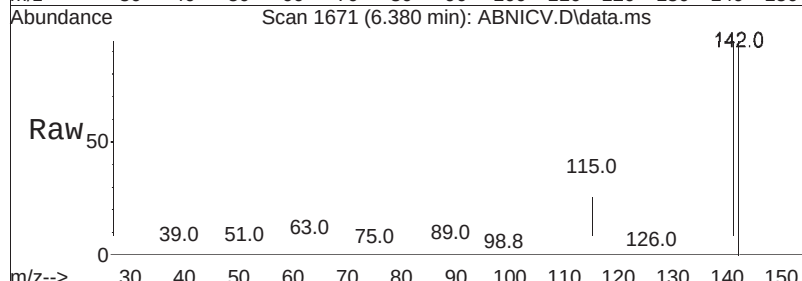
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	69.6	104.4
115	32.4	26.6	40.0

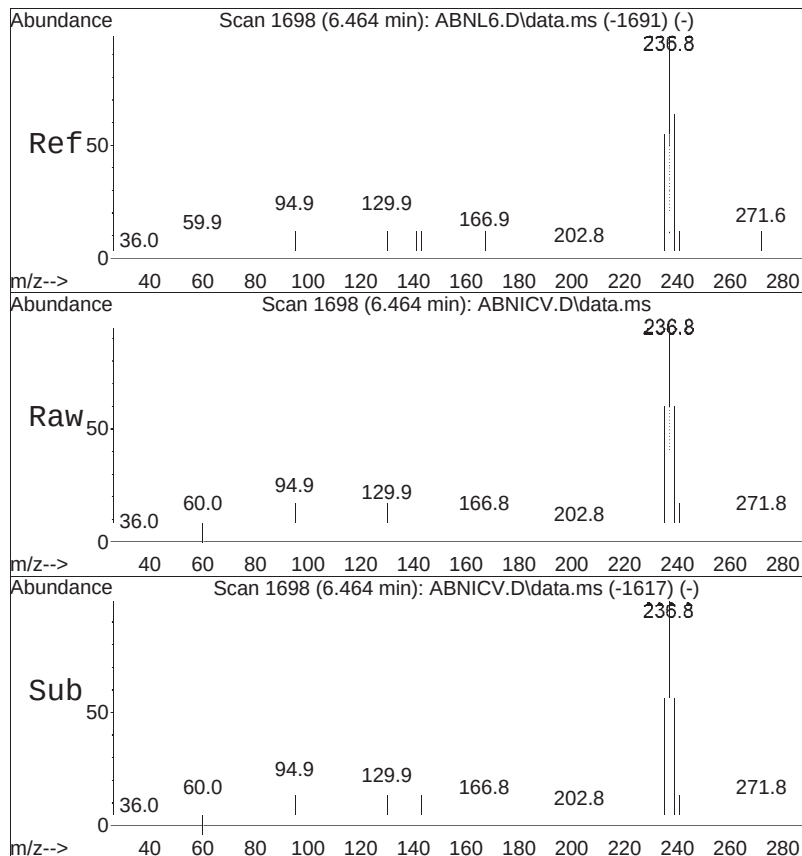




#42
 1-Methylnaphthalene
 Concen: 4.83 ug/ml
 RT: 6.380 min Scan# 1671
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

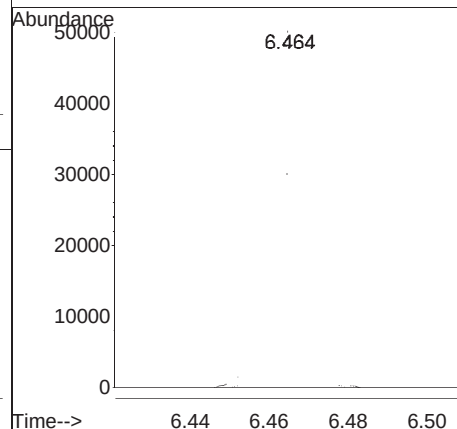
Tgt Ion	Ratio	Lower	Upper
115	100		
141	281.6	207.8	311.6
142	296.1	226.8	340.2

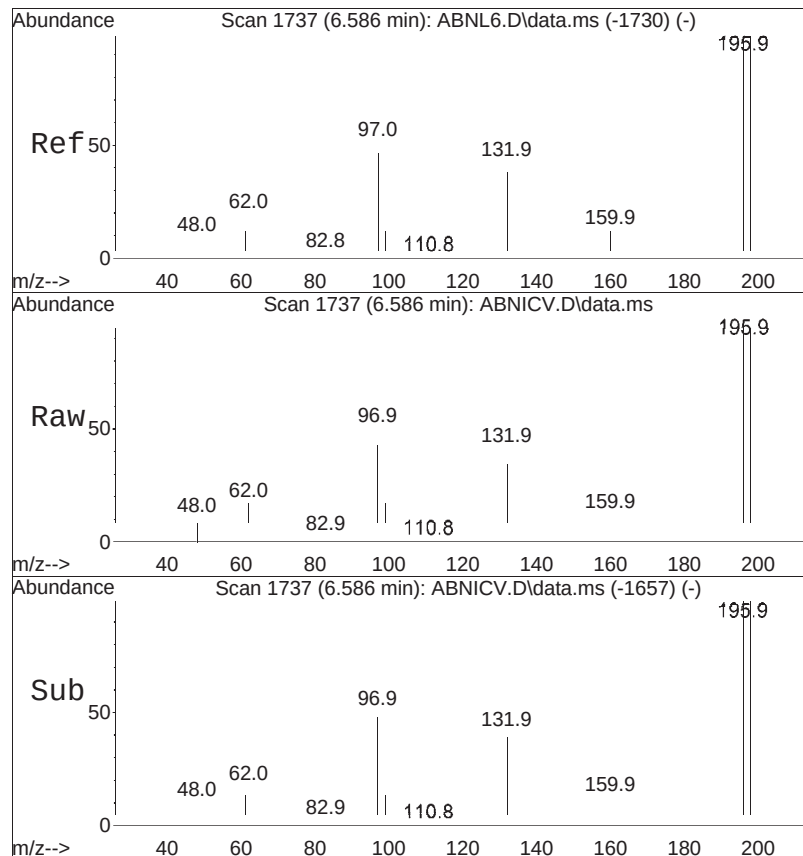




#43
 Hexachlorocyclopentadiene
 Concen: 4.69 ug/ml
 RT: 6.464 min Scan# 1698
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

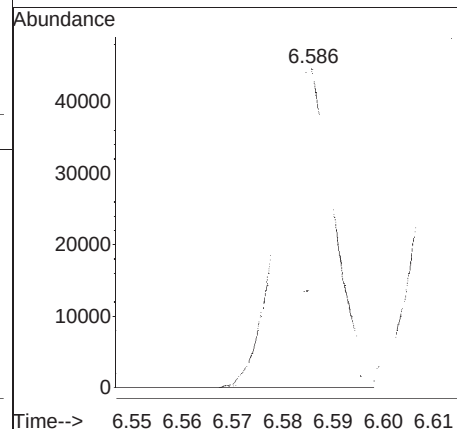
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	38722		
235	61.7		49.7	74.5
272	12.3		9.8	14.6

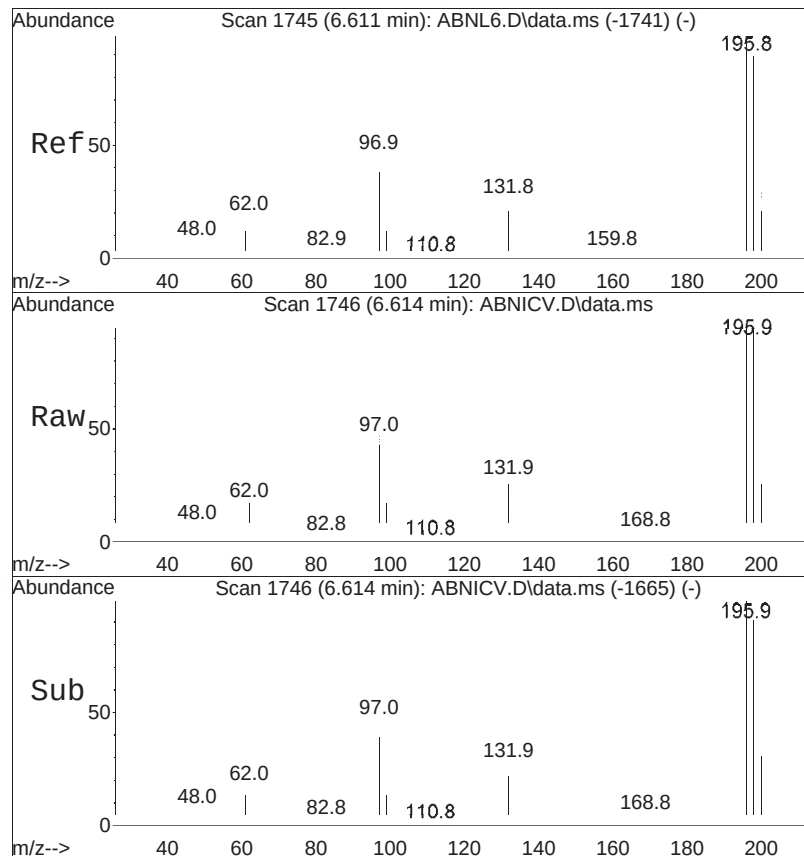




#44
 2,4,6-Trichlorophenol
 Concen: 4.98 ug/ml
 RT: 6.586 min Scan# 1737
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

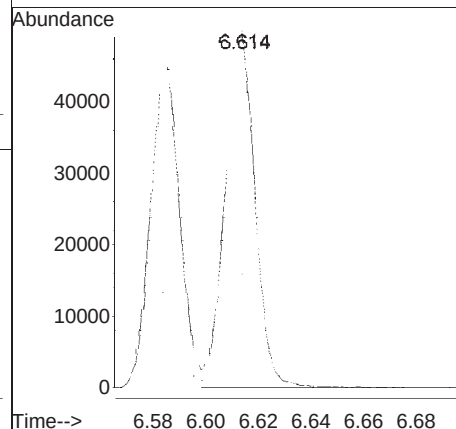
Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.4	77.5	116.3
200	31.4	23.8	35.6

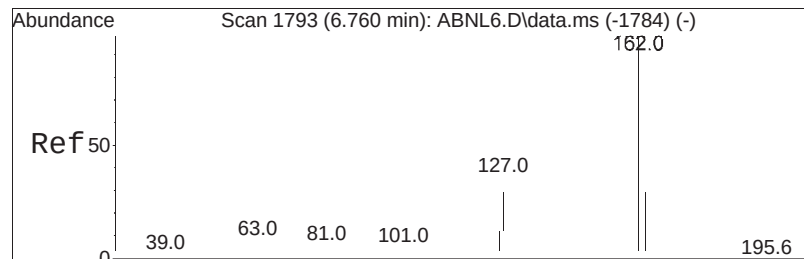




#45
 2,4,5-Trichlorophenol
 Concen: 5.08 ug/ml
 RT: 6.614 min Scan# 1746
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

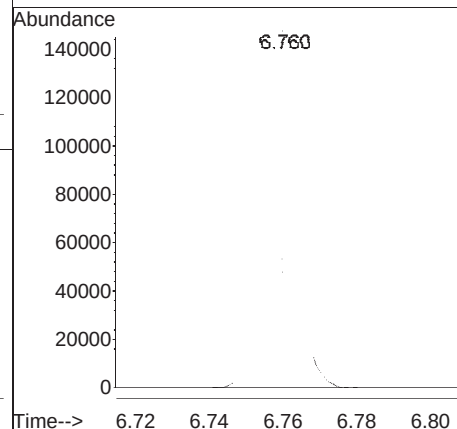
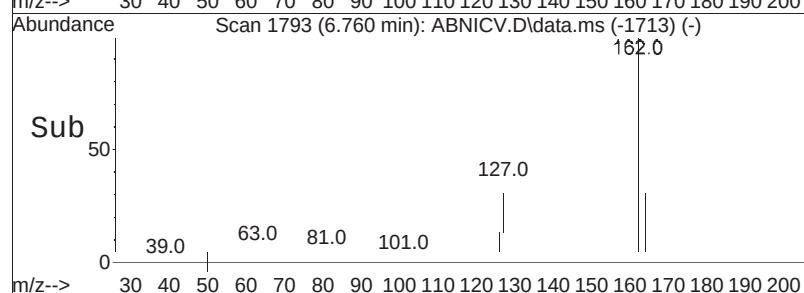
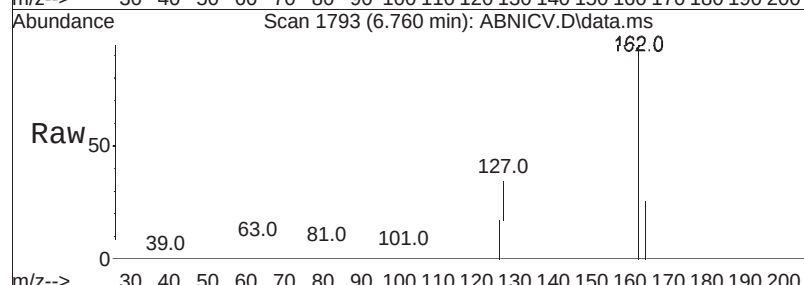
Tgt Ion	Ratio	Lower	Upper
196	100		
200	30.8	25.4	38.0
198	96.1	78.0	117.0

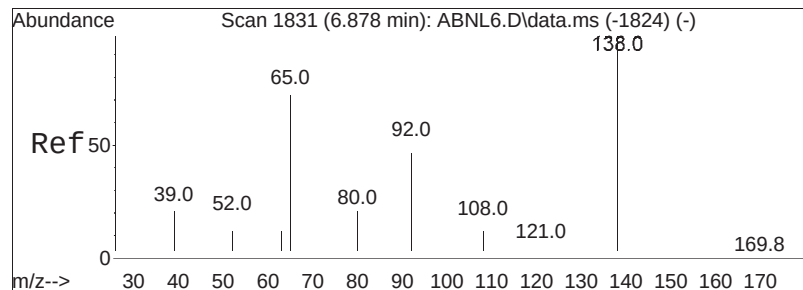




#47
 2-Chloronaphthalene
 Concen: 4.83 ug/ml
 RT: 6.760 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

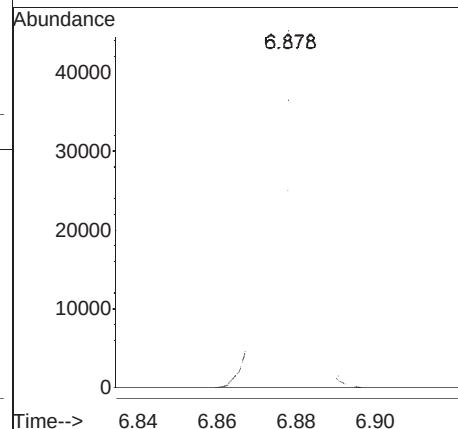
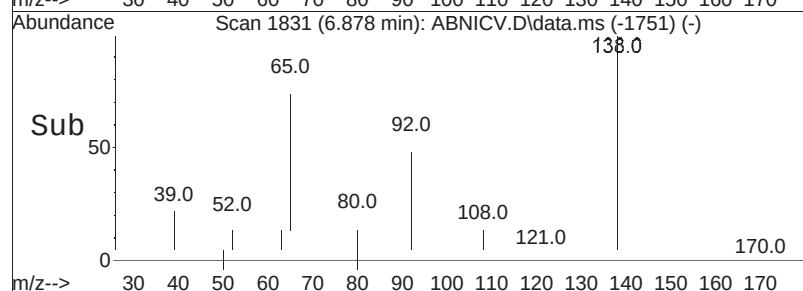
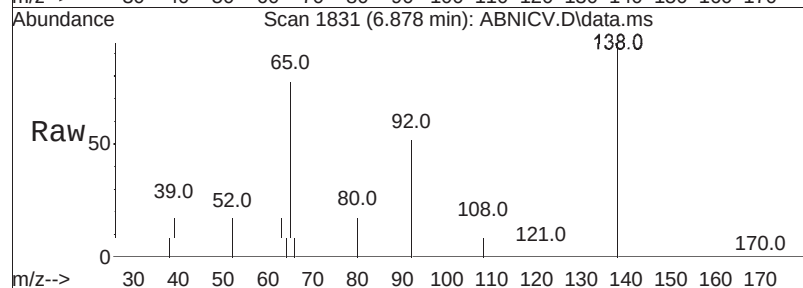
Tgt Ion	Ratio	Lower	Upper
162	100		
127	35.9	32.2	48.4
164	31.9	25.7	38.5

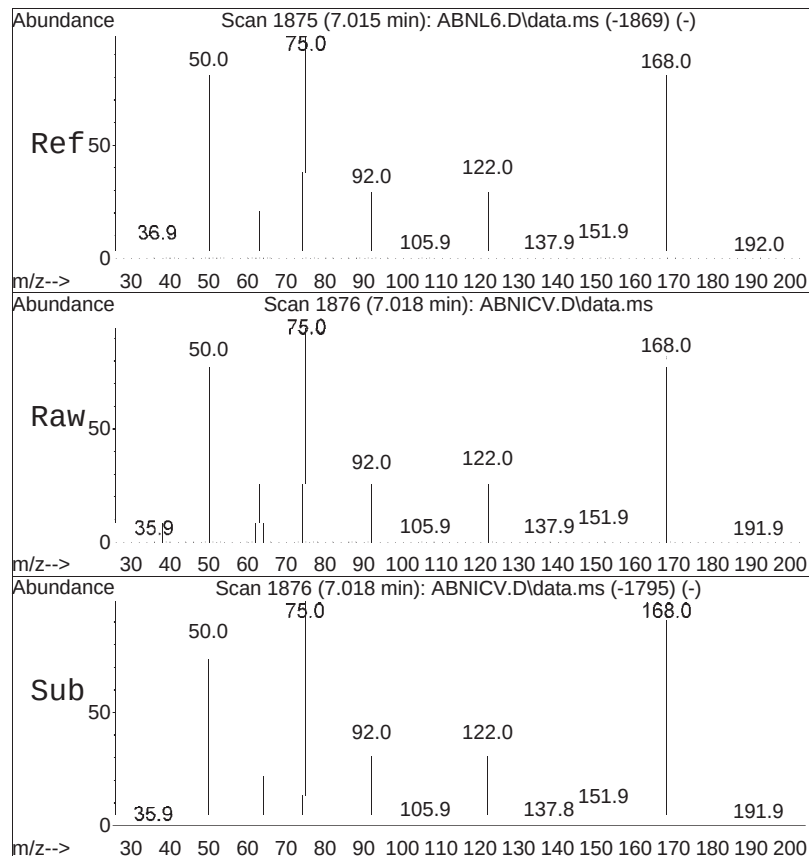




#48
 2-Nitroaniline
 Concen: 4.94 ug/ml
 RT: 6.878 min Scan# 1831
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

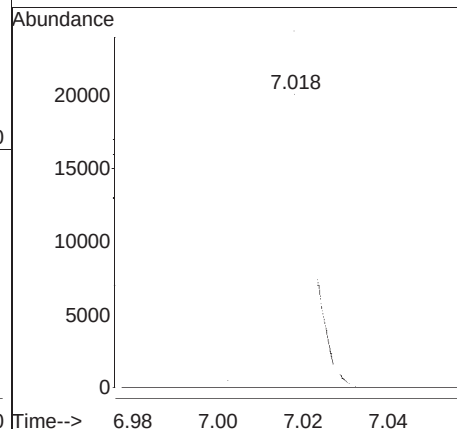
Tgt Ion:	138	Resp:	33114
Ion Ratio	Lower	Upper	
138	100		
92	56.3	53.5	80.3
65	80.3	86.3	129.5#

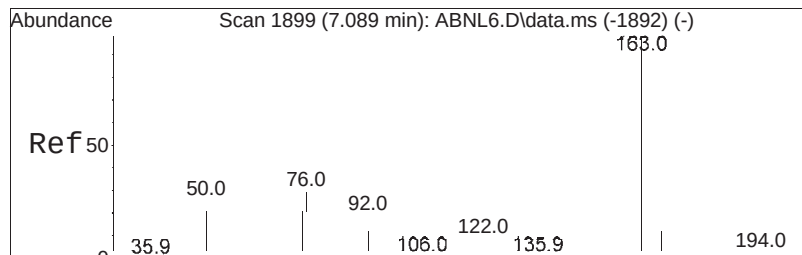




#49
 1,4-Dinitrobenzene
 Concen: 4.65 ug/ml
 RT: 7.018 min Scan# 1876
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

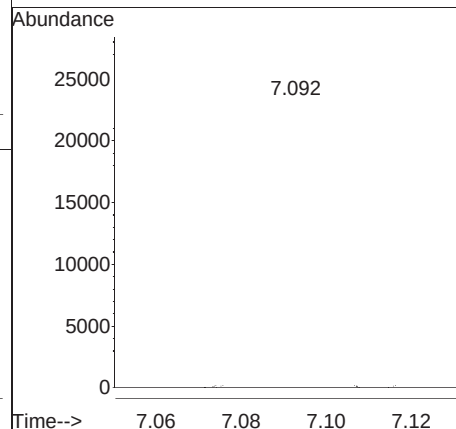
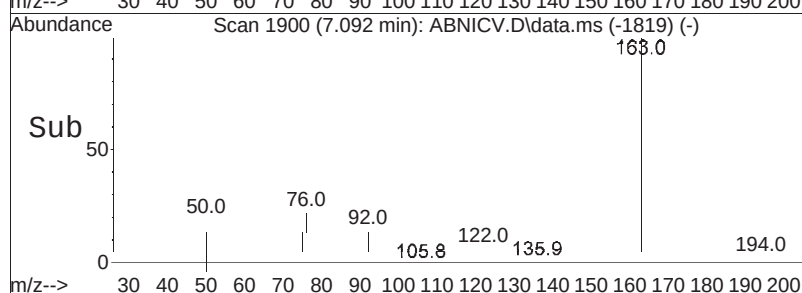
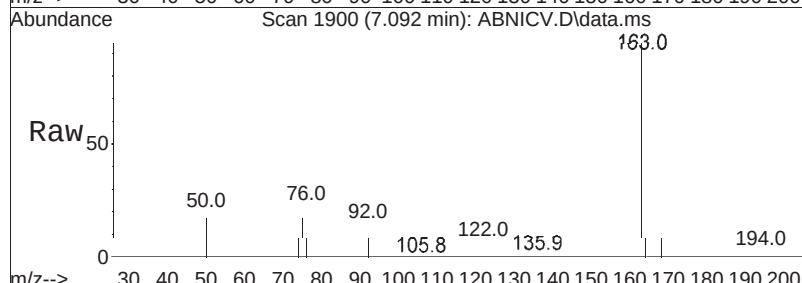
Tgt Ion	Ratio	Lower	Upper
168	100		
75	125.4	121.8	182.8

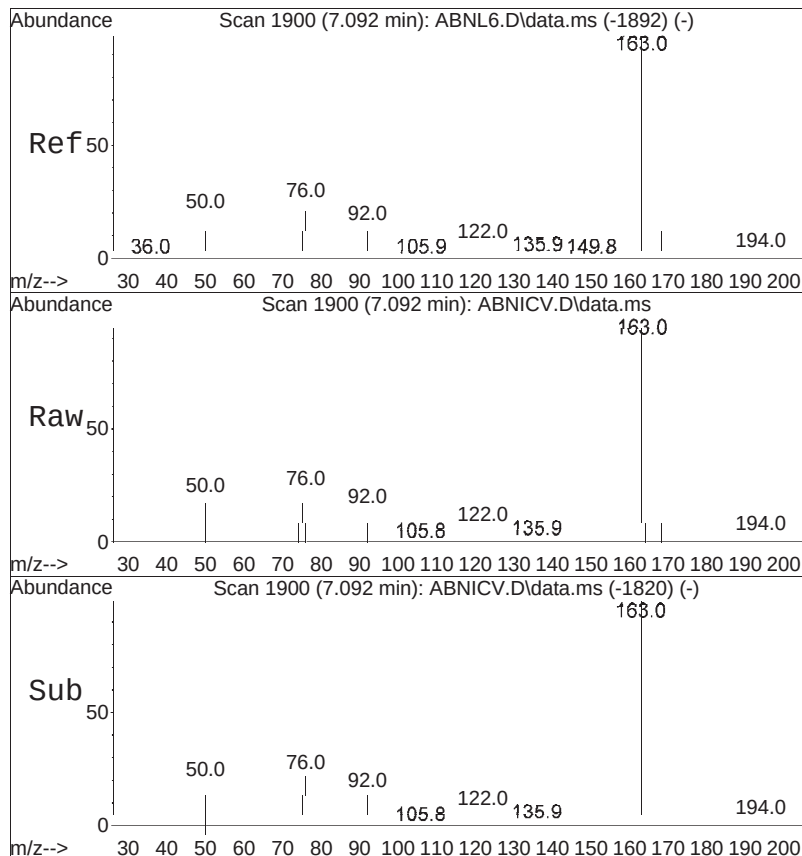




#50
 1,3-Dinitrobenzene
 Concen: 4.81 ug/ml
 RT: 7.092 min Scan# 1900
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

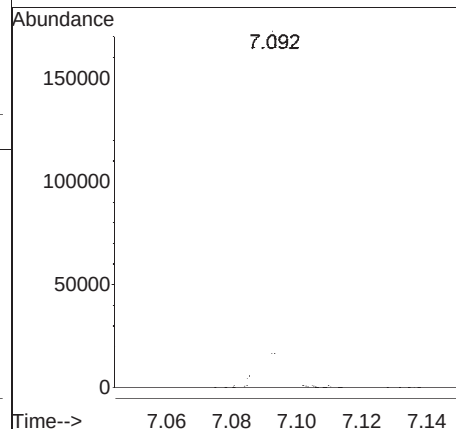
Tgt Ion	Ratio	Lower	Upper
168	100		
75	129.3	22.7	34.1#

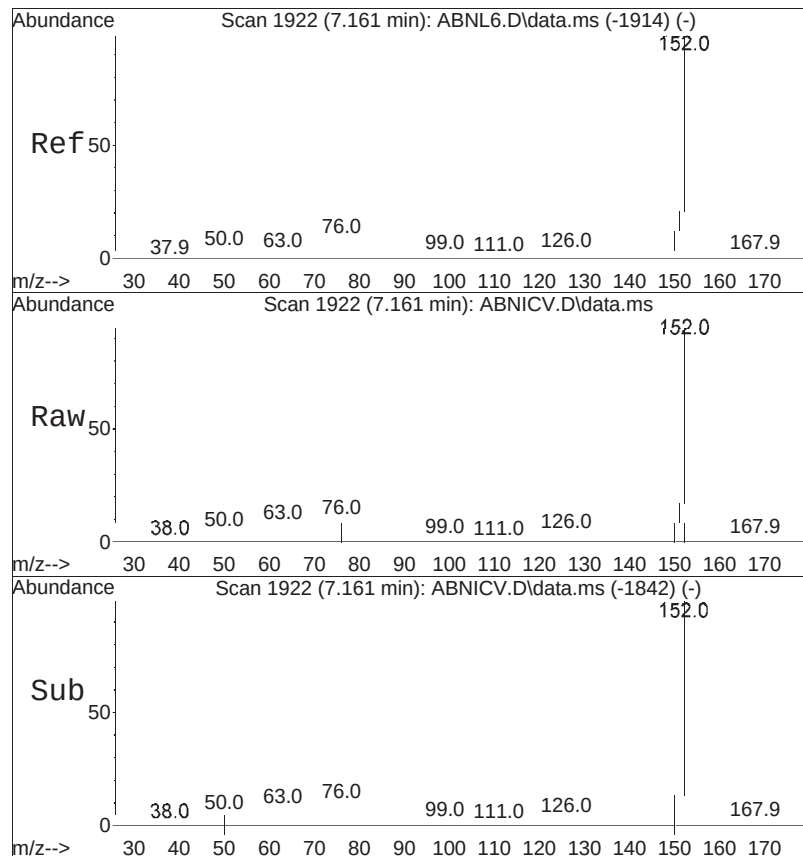




#51
 Dimethyl phthalate
 Concen: 4.75 ug/ml
 RT: 7.092 min Scan# 1900
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

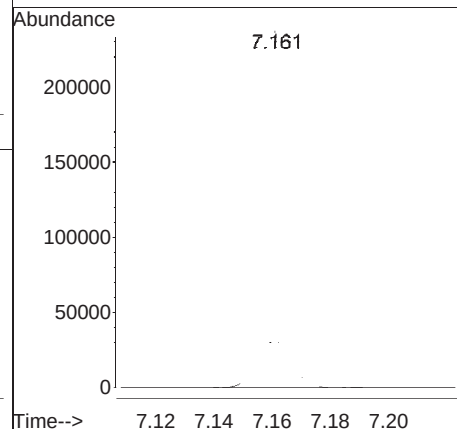
Tgt Ion:	163	Resp:	132414
Ion Ratio	Lower	Upper	
163	100		
194	2.7	3.5	5.3#
164	9.7	7.9	11.9

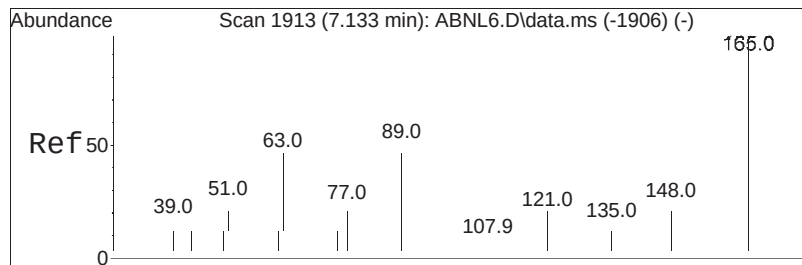




#52
 Acenaphthylene
 Concen: 4.91 ug/ml
 RT: 7.161 min Scan# 1922
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

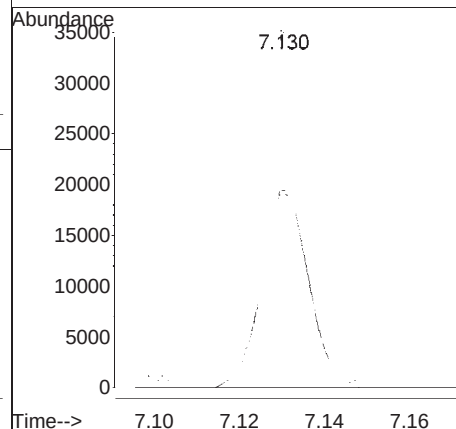
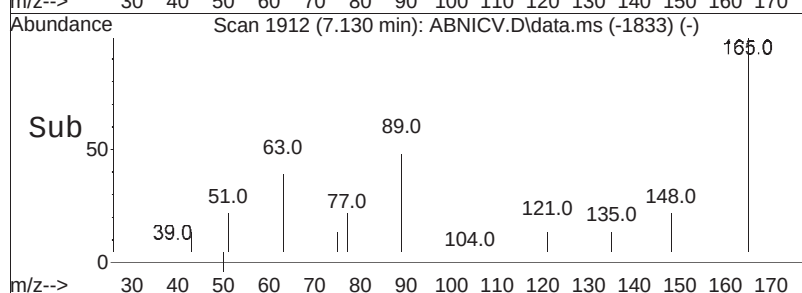
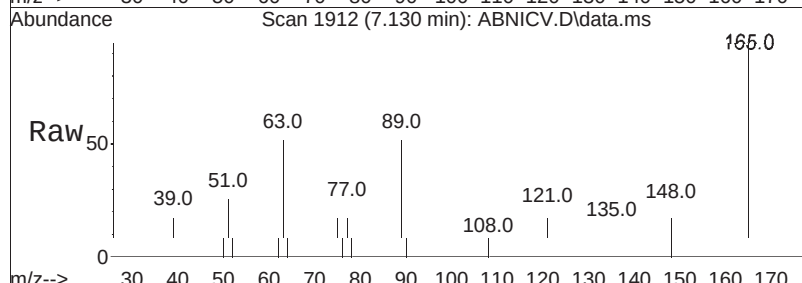
Tgt Ion:	152	Resp:	186814
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.8	23.6
153	13.7	10.5	15.7

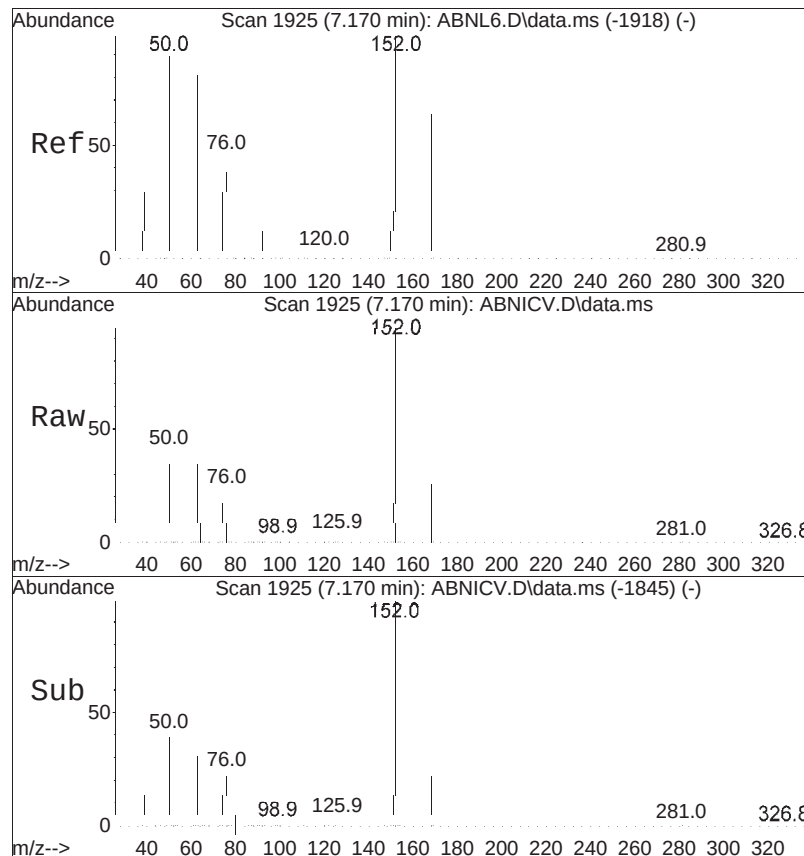




#53
 2,6-Dinitrotoluene
 Concen: 4.91 ug/ml
 RT: 7.130 min Scan# 1912
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

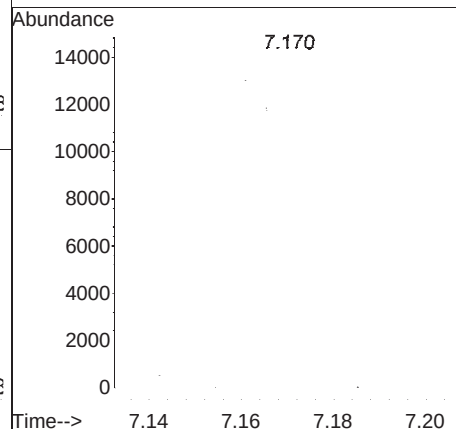
Tgt Ion	Ratio	Lower	Upper
165	100		
89	54.4	54.2	81.2
63	56.6	64.2	96.2#

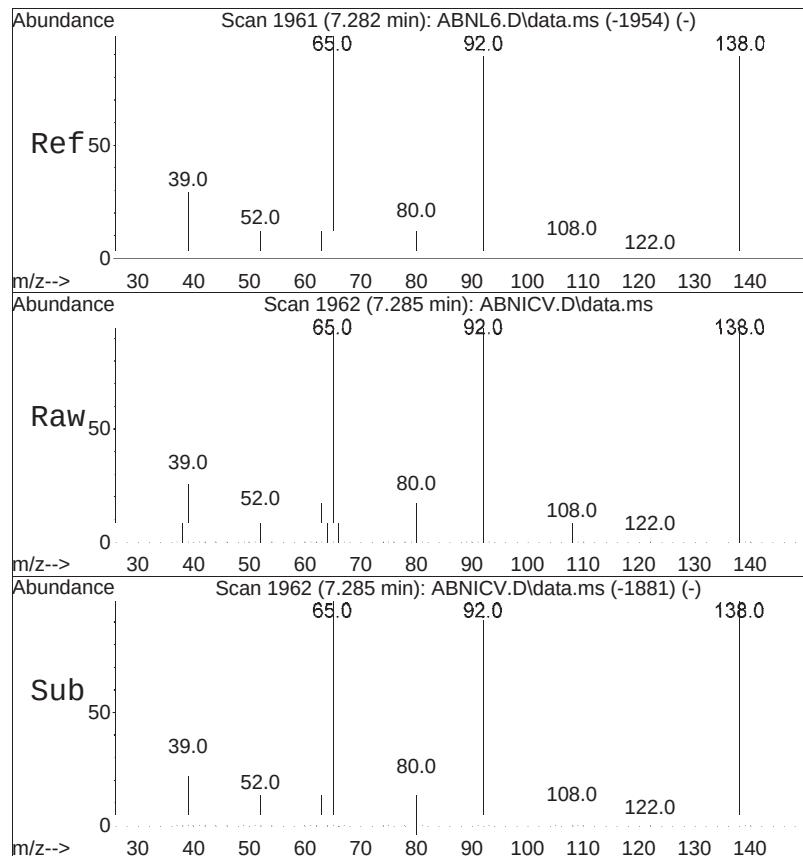




#54
 1,2-Dinitrobenzene
 Concen: 5.01 ug/ml
 RT: 7.170 min Scan# 1925
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

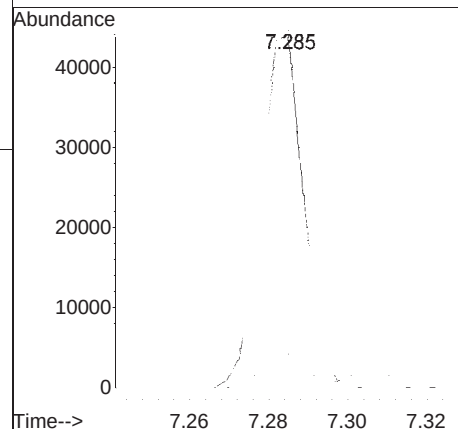
Tgt Ion	Ratio	Lower	Upper
168	100		
75	113.8	30.9	46.3#

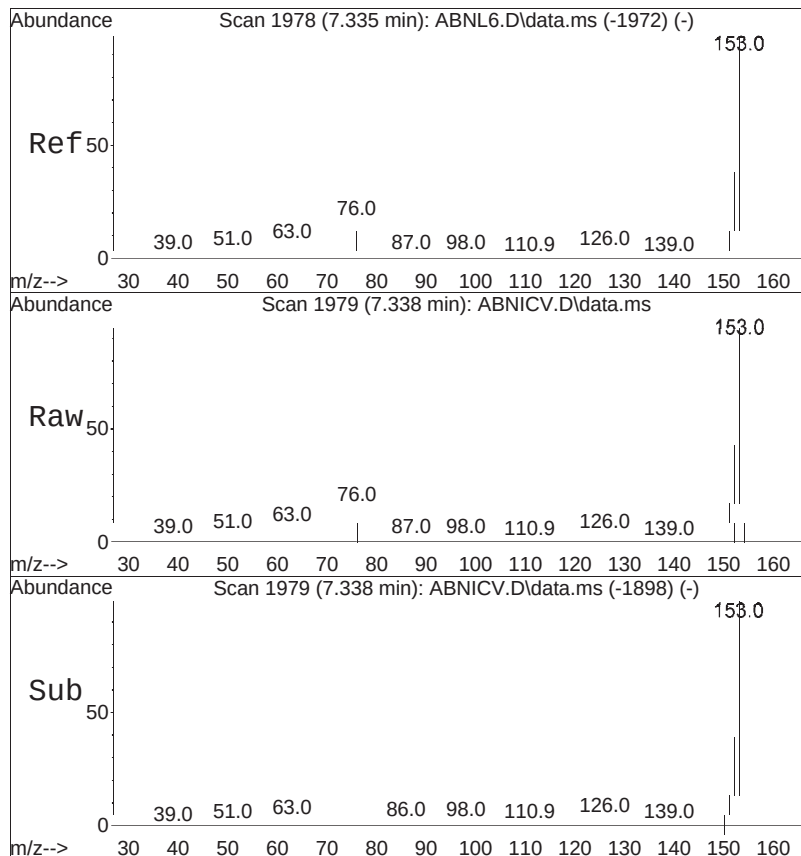




#64
 3-Nitroaniline
 Concen: 4.85 ug/ml
 RT: 7.285 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

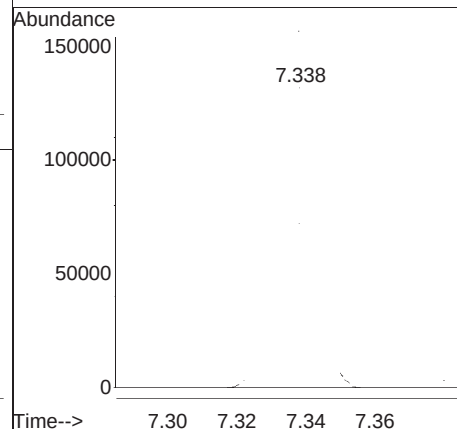
Tgt Ion:	138	Resp:	32931
Ion Ratio	Lower	Upper	
138	100		
92	101.6	93.4	140.2
108	9.9	9.5	14.3

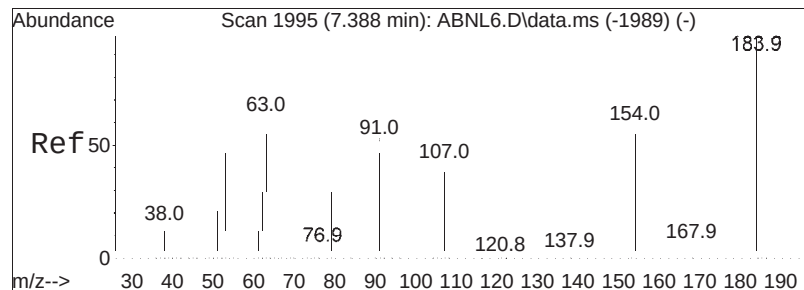




#65
 Acenaphthene
 Concen: 4.59 ug/ml
 RT: 7.338 min Scan# 1979
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

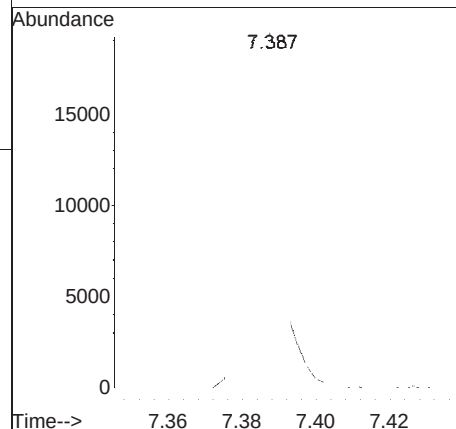
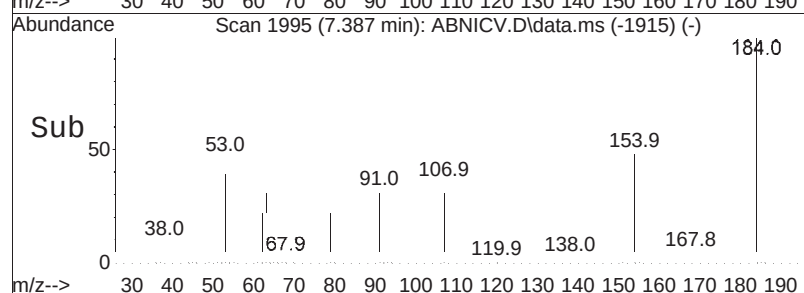
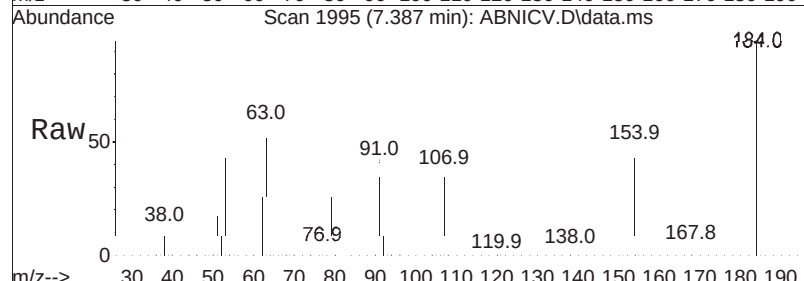
Tgt Ion:	154	Resp:	103552
Ion Ratio	Lower	Upper	
154	100		
153	119.6	85.3	127.9
152	54.3	41.4	62.0

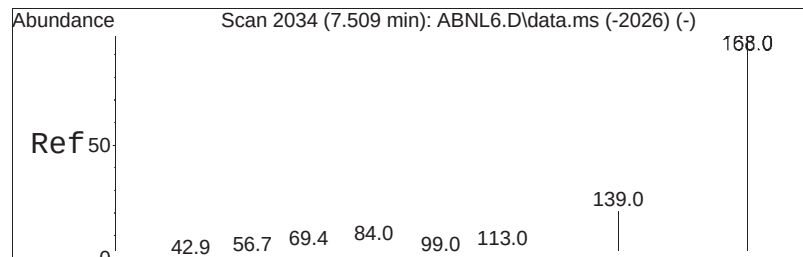




#66
 2,4-Dinitrophenol
 Concen: 4.22 ug/ml
 RT: 7.387 min Scan# 1995
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

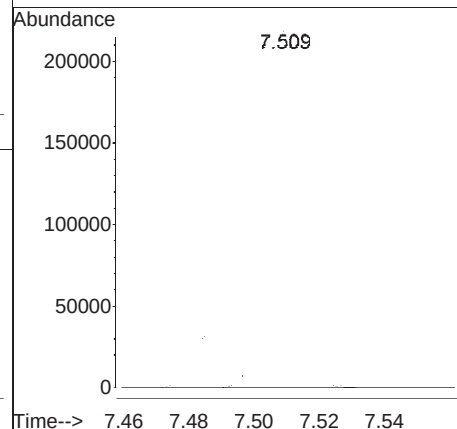
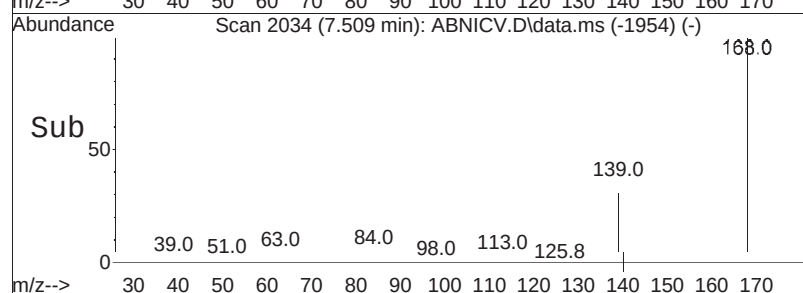
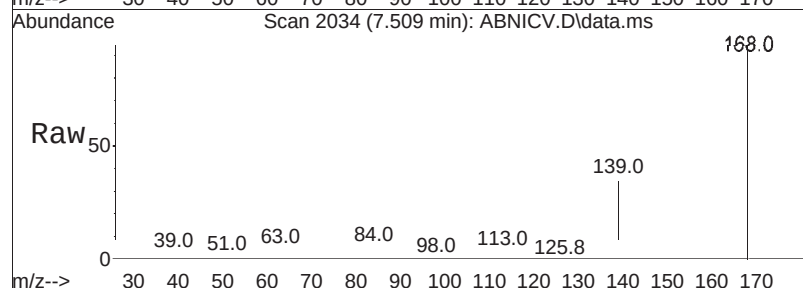
Tgt Ion:	184	Resp:	13885
Ion Ratio	Lower	Upper	
184	100		
107	40.8	37.7	56.5
91	45.1	46.3	69.5#

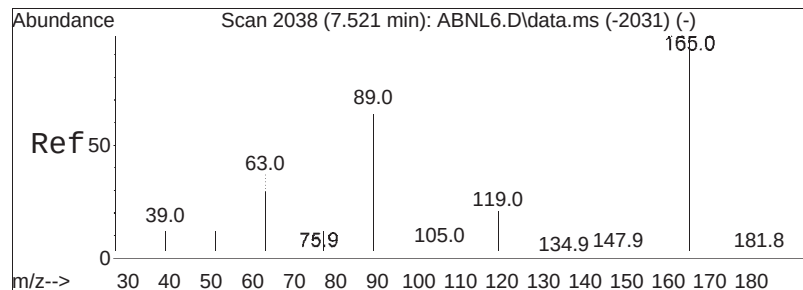




#67
 Dibenzofuran
 Concen: 4.61 ug/ml
 RT: 7.509 min Scan# 2034
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

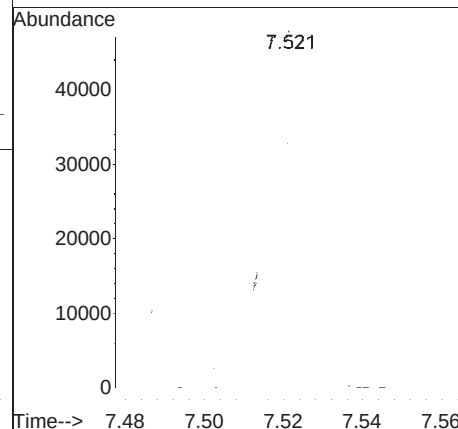
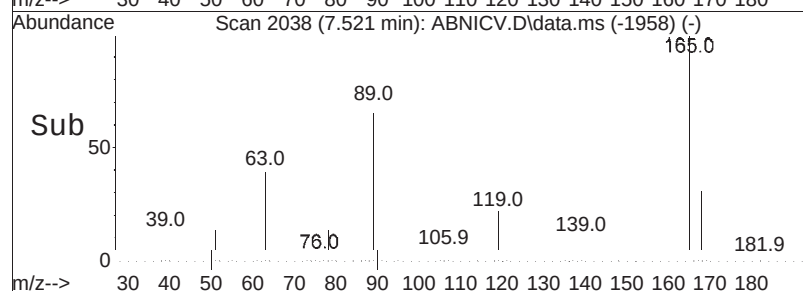
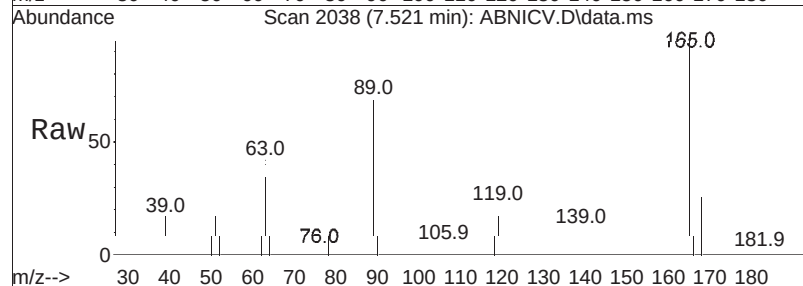
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.2	31.4	47.2

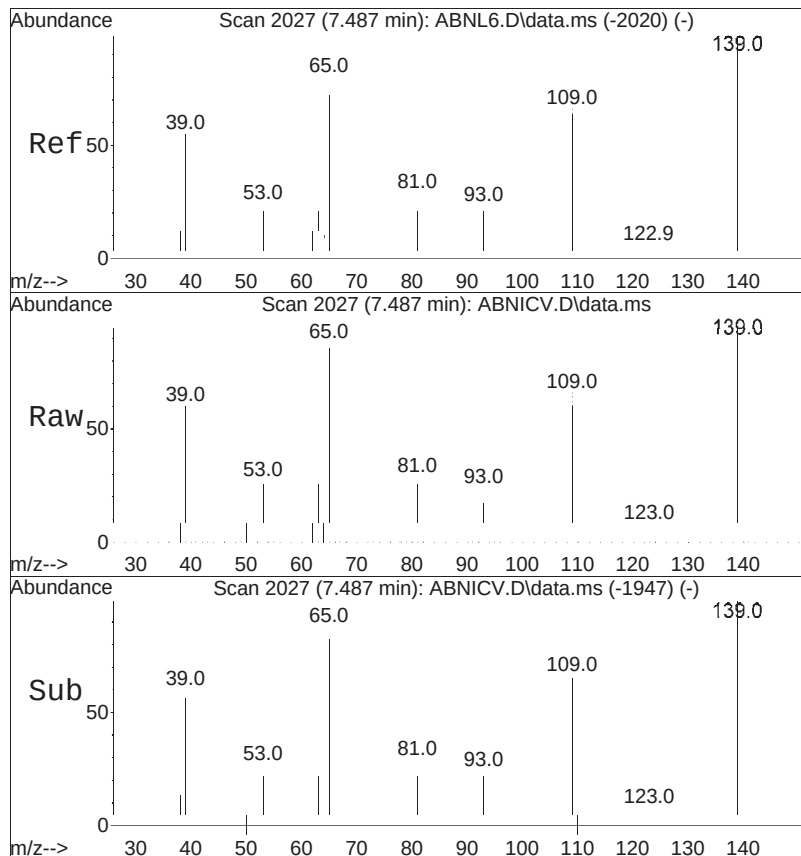




#68
 2,4-Dinitrotoluene
 Concen: 4.92 ug/ml
 RT: 7.521 min Scan# 2038
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

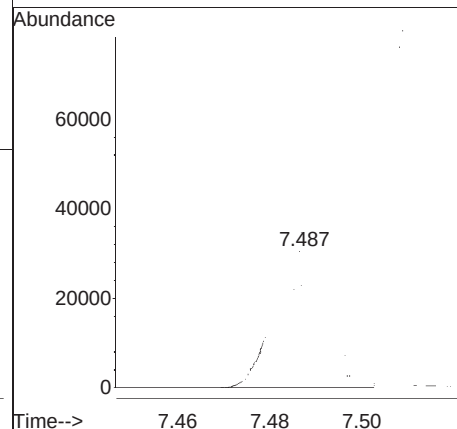
Tgt Ion:	165	Resp:	37575
Ion Ratio	Lower	Upper	
165	100		
89	78.9	72.0	108.0
63	61.7	52.7	79.1

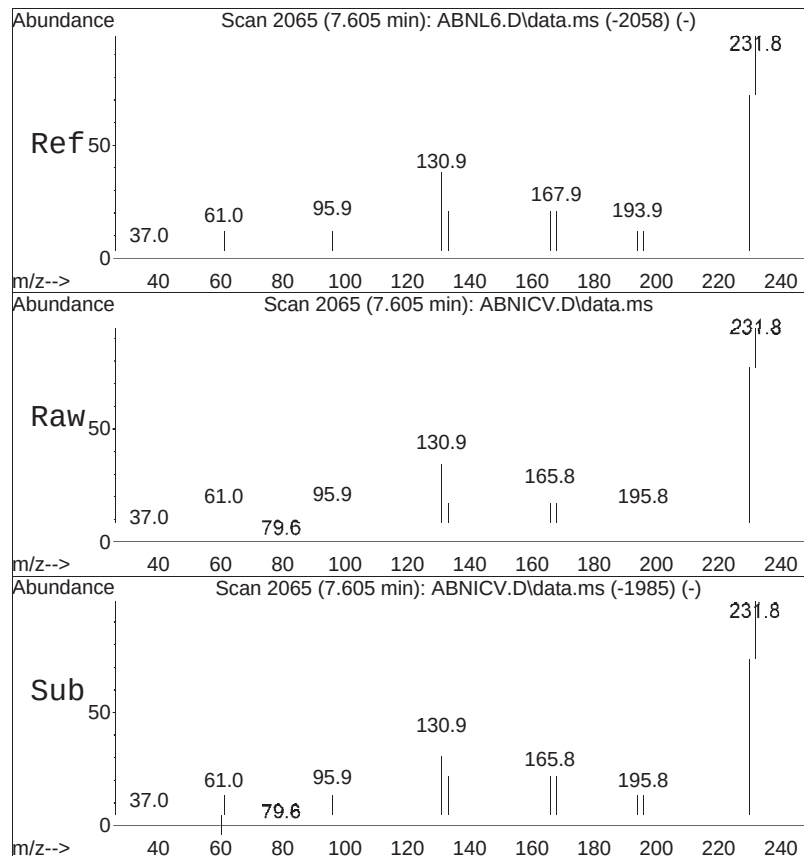




#69
 4-Nitrophenol
 Concen: 4.76 ug/ml
 RT: 7.487 min Scan# 2027
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

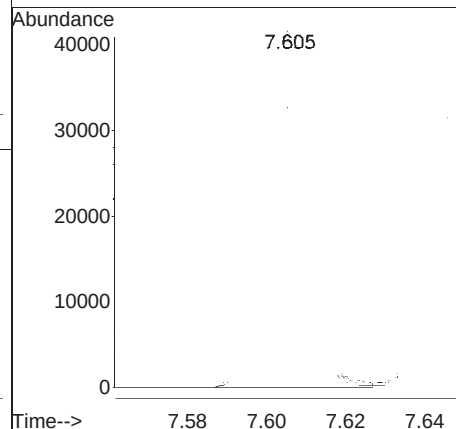
Tgt Ion:	65	Resp:	22550
Ion Ratio	Lower	Upper	
65	100		
109	77.6	47.4	71.2#
139	113.8	76.6	115.0

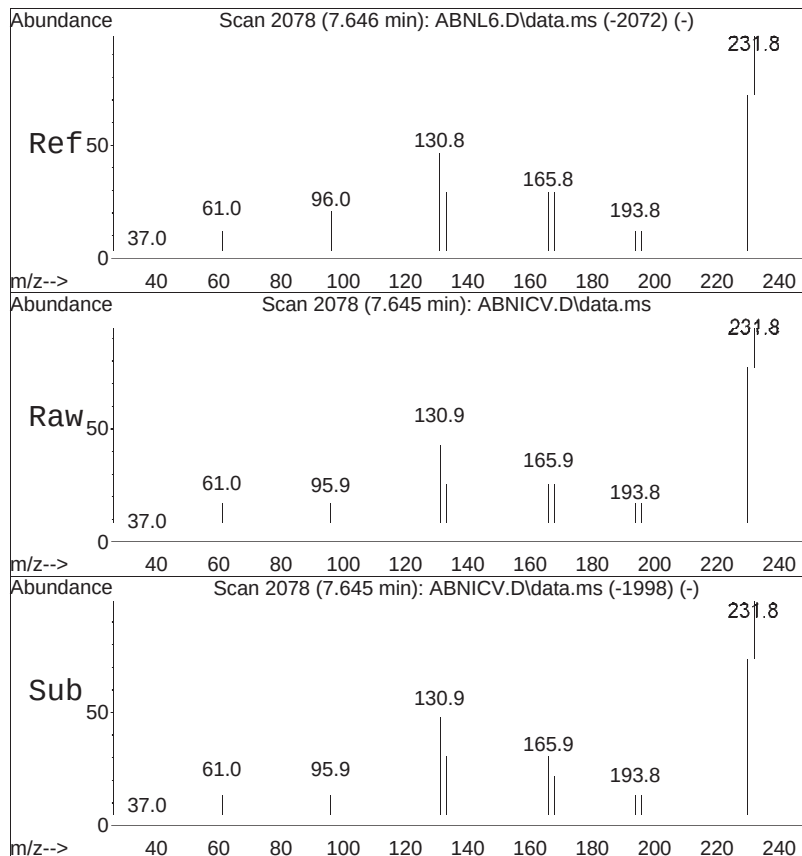




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 4.94 ug/ml
 RT: 7.605 min Scan# 2065
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

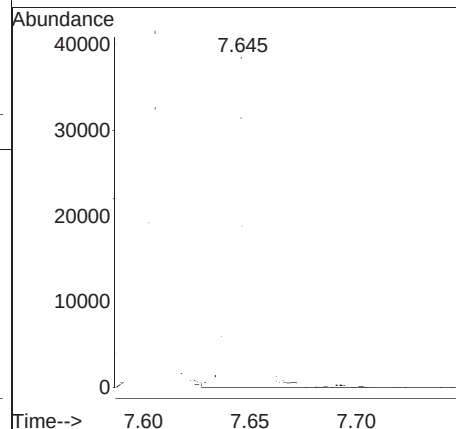
Tgt Ion:	232	Resp:	33383
Ion Ratio	Lower	Upper	
232	100		
230	75.4	64.2	96.4
234	47.2	38.1	57.1

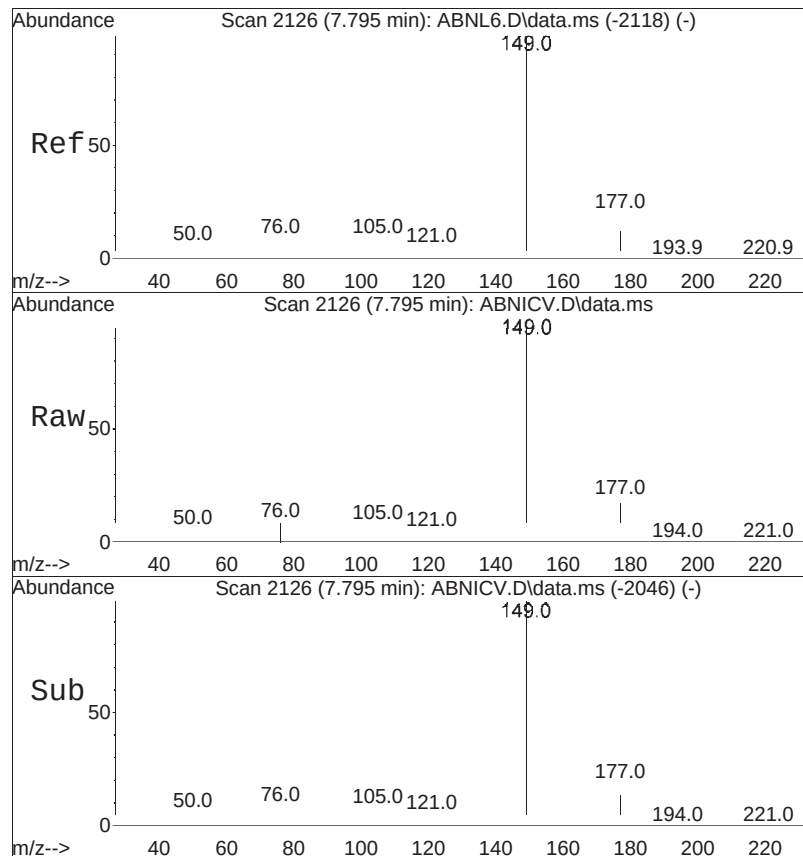




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 5.03 ug/ml
 RT: 7.645 min Scan# 2078
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

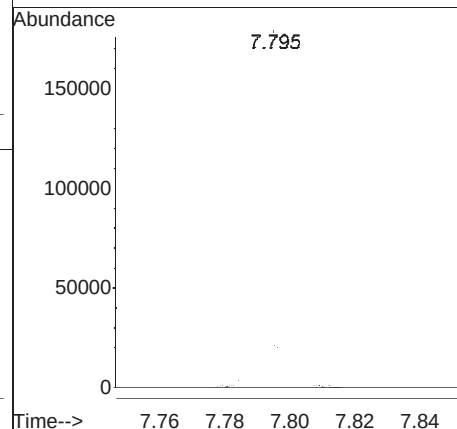
Tgt Ion	Ratio	Lower	Upper
232	100		
230	76.5	61.8	92.8
234	46.8	36.2	54.2

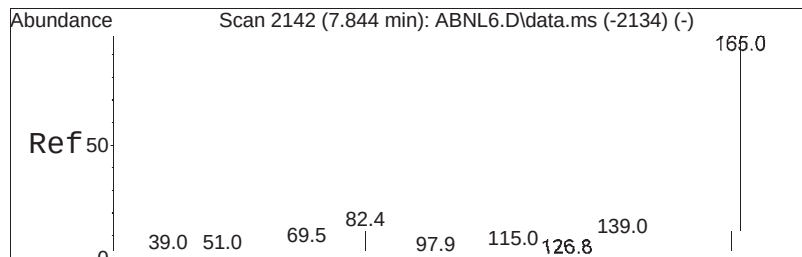




#72
 Diethyl phthalate
 Concen: 4.57 ug/ml
 RT: 7.795 min Scan# 2126
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

Tgt Ion:	149	Resp:	137837
Ion Ratio	Lower	Upper	
149	100		
177	19.4	16.1	24.1
150	11.8	9.4	14.2





#73

Fluorene

Concen: 4.57 ug/ml

RT: 7.844 min Scan# 2142

Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 27 Aug 2025 11:33 pm

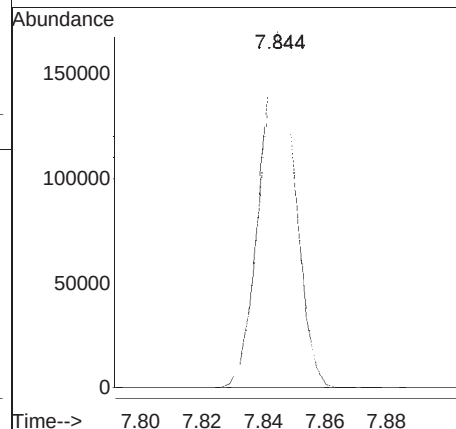
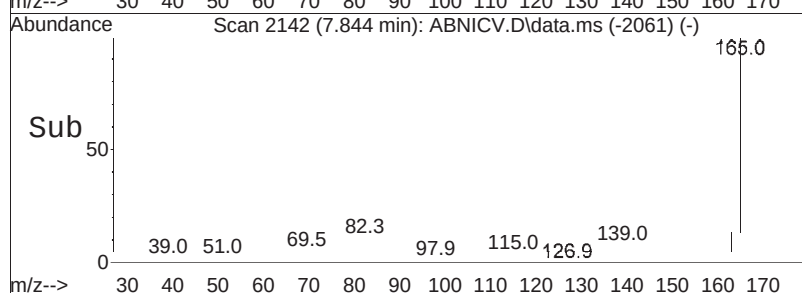
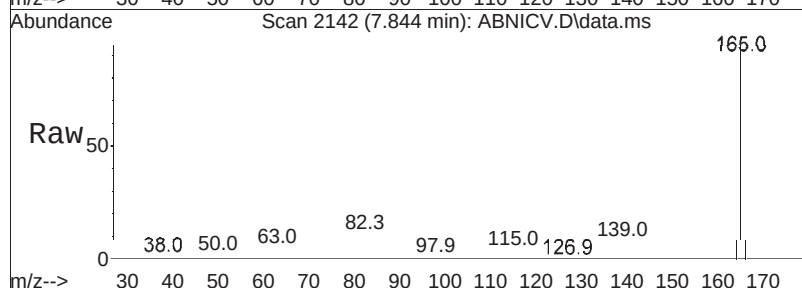
Tgt Ion:166 Resp: 131518

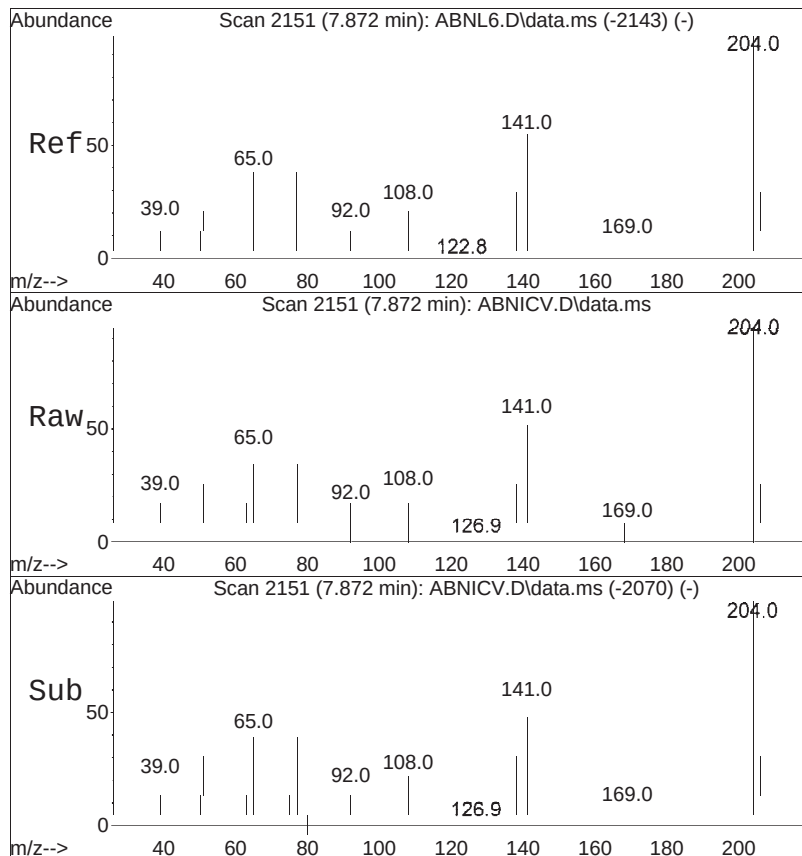
Ion Ratio Lower Upper

166 100

165 103.2 76.2 114.2

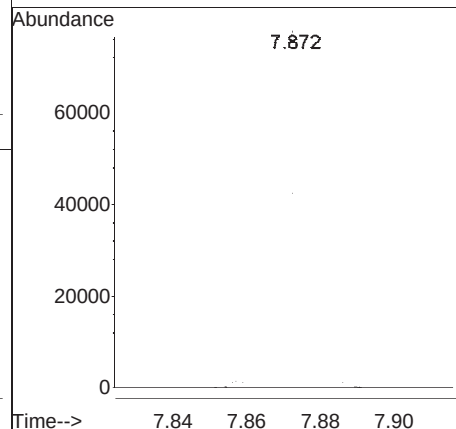
167 13.6 10.6 15.8

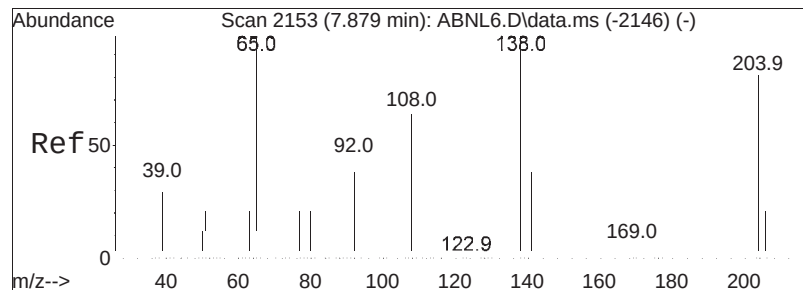




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.54 ug/ml
 RT: 7.872 min Scan# 2151
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

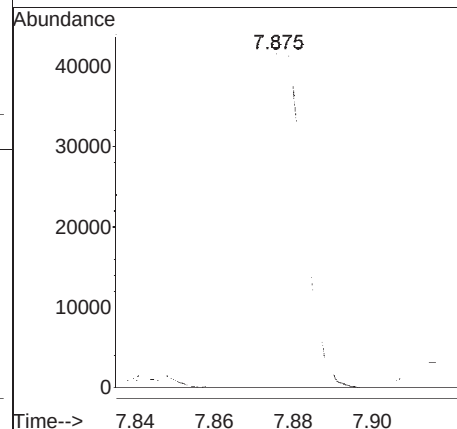
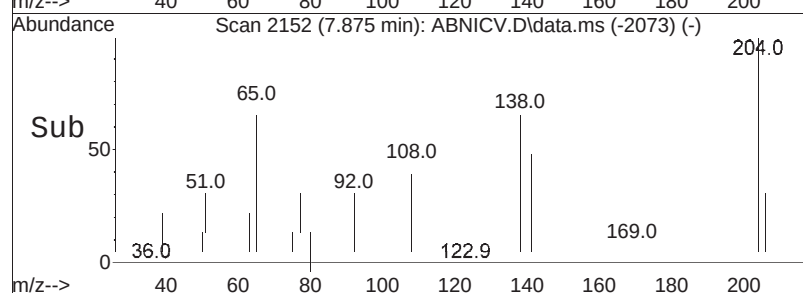
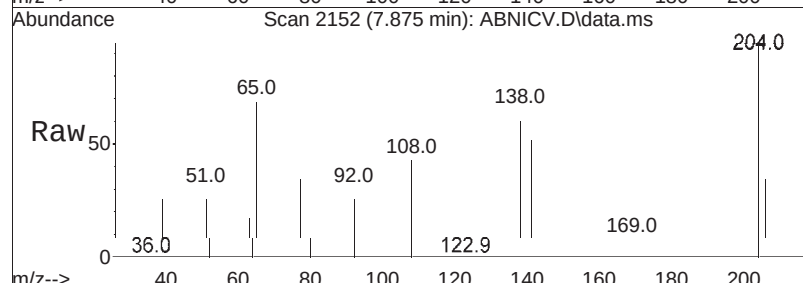
Tgt Ion:	204	Resp:	62071
Ion Ratio	Lower	Upper	
204	100		
206	32.5	25.8	38.6
141	56.5	53.6	80.4

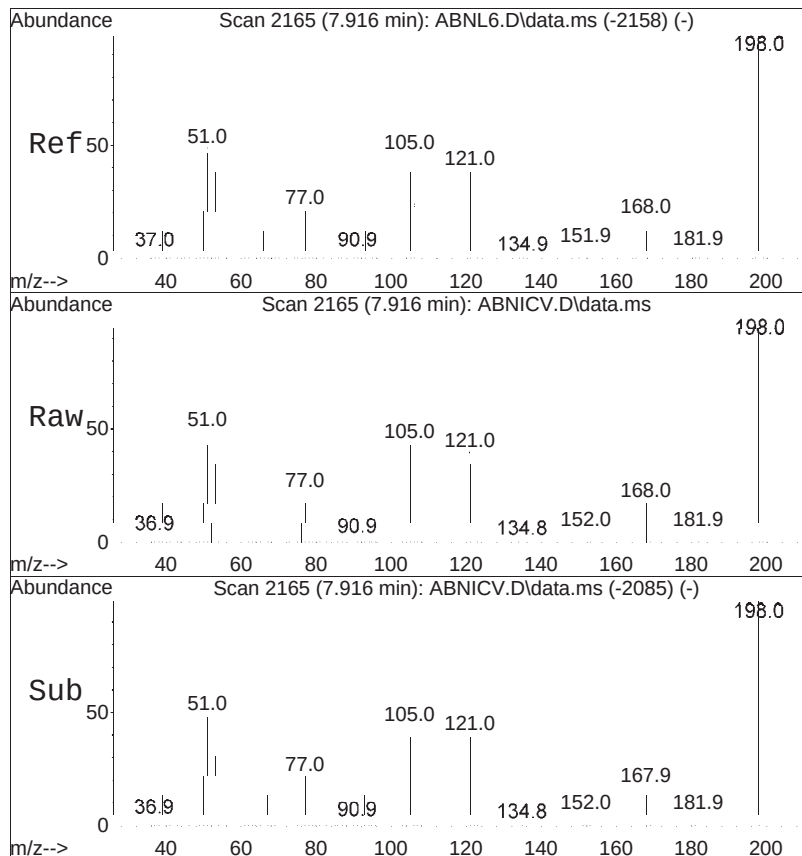




#75
 4-Nitroaniline
 Concen: 4.82 ug/ml
 RT: 7.875 min Scan# 2152
 Delta R.T. -0.004 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

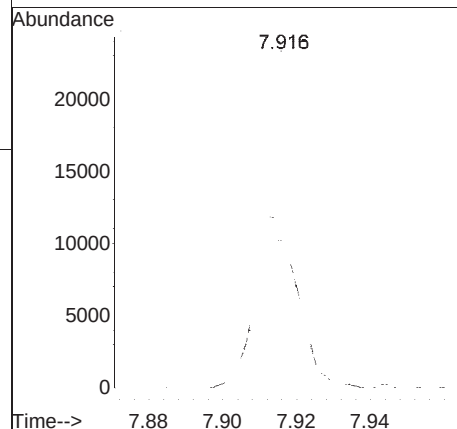
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	32255		
108	68.5		52.1	78.1
65	110.8		115.0	172.6#

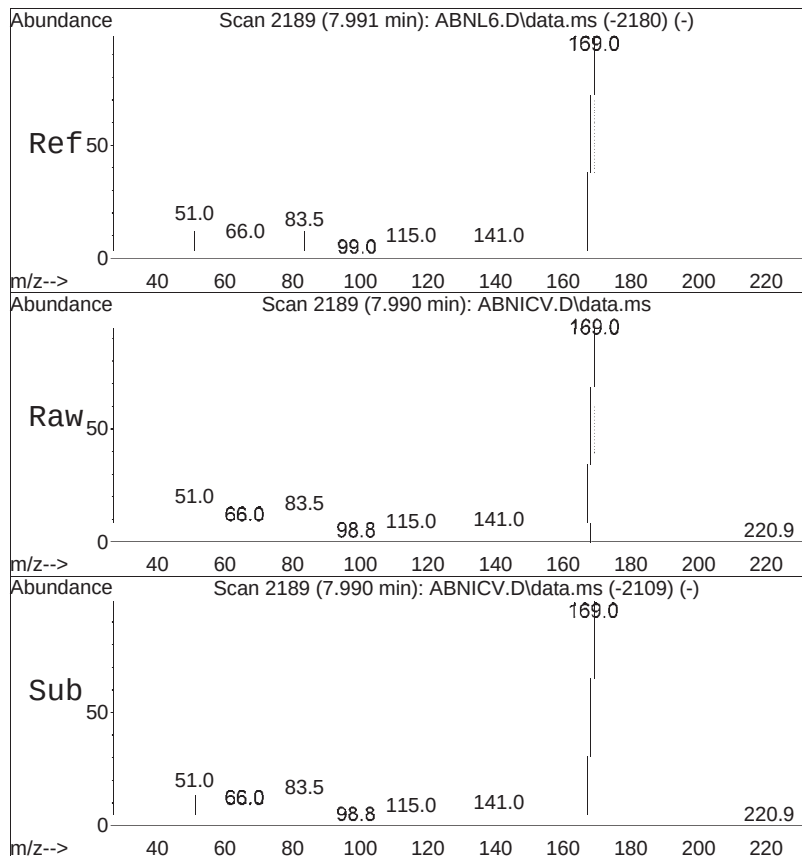




#76
 4,6-Dinitro-o-cresol
 Concen: 4.43 ug/ml
 RT: 7.916 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

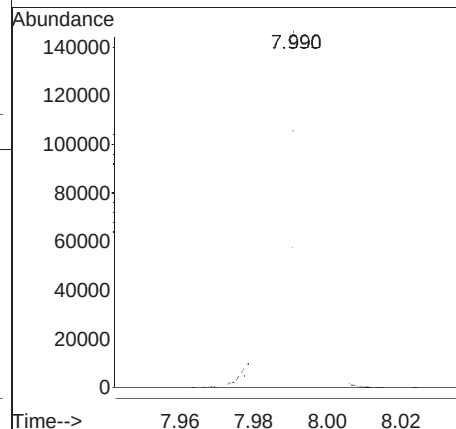
Tgt Ion:	198	Resp:	18815
Ion Ratio	Lower	Upper	
198	100		
51	51.3	76.0	114.0#
105	46.6	45.6	68.4

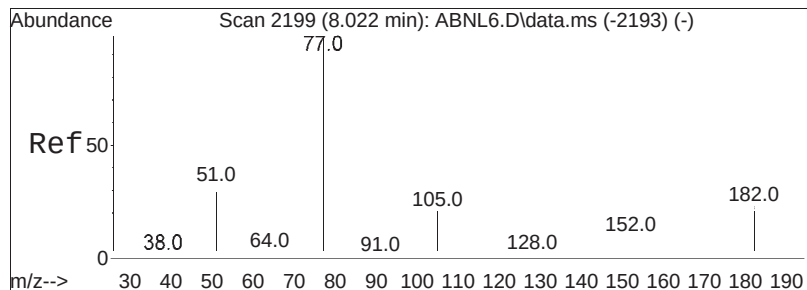




#77
 NDPA/DPA
 Concen: 4.73 ug/ml
 RT: 7.990 min Scan# 2189
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

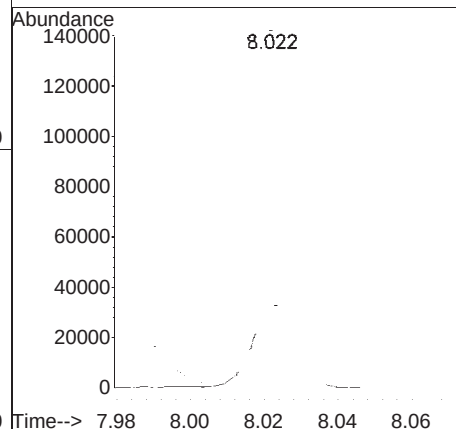
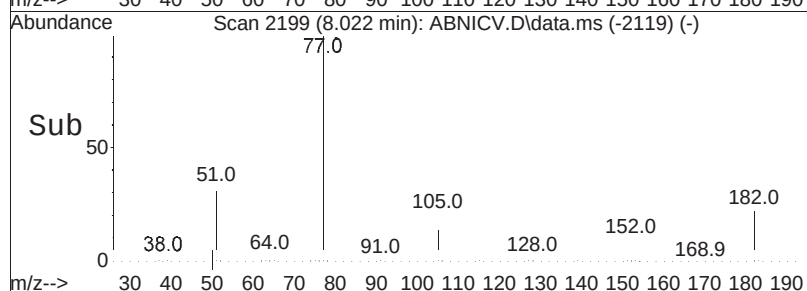
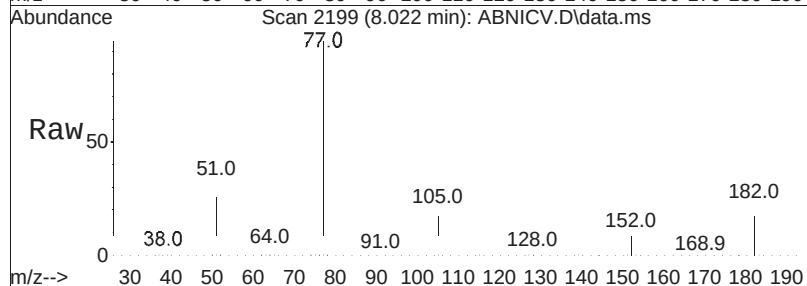
Tgt Ion:	169	Resp:	113782
Ion Ratio	Lower	Upper	
169	100		
168	72.4	54.0	81.0
167	38.9	28.6	42.8

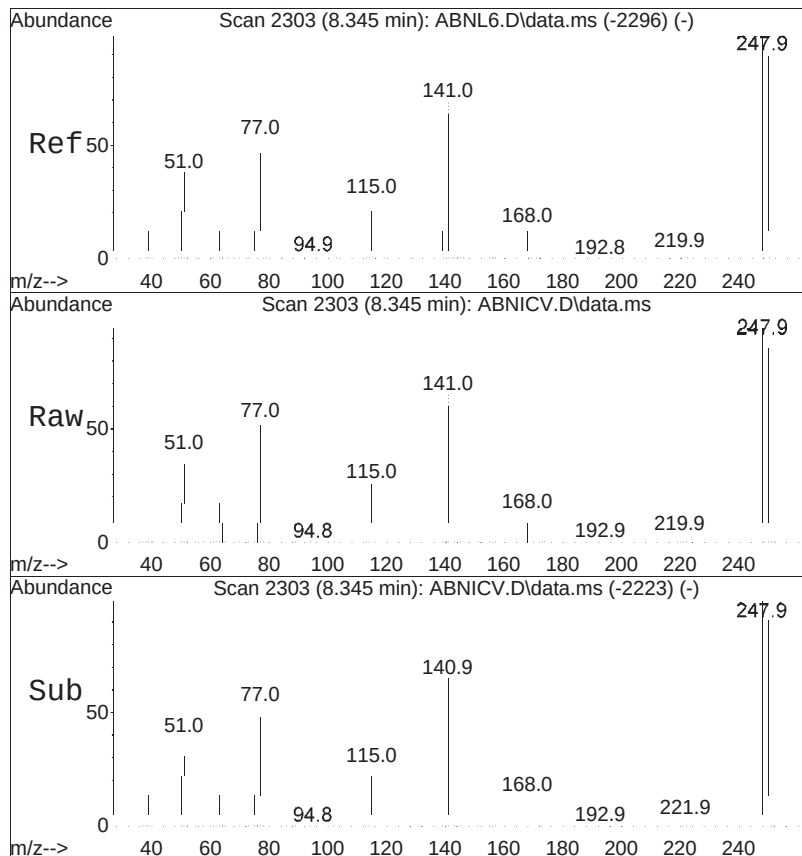




#78
 Azobenzene
 Concen: 4.78 ug/ml
 RT: 8.022 min Scan# 2199
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

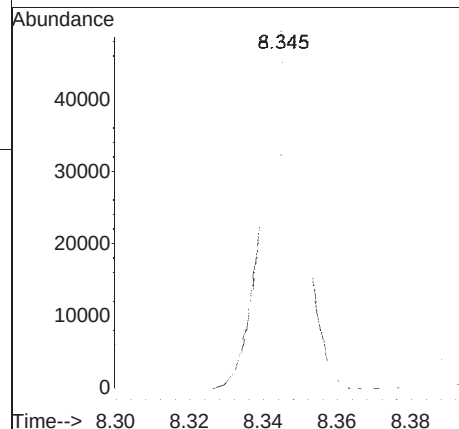
Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.1	17.4	26.2
105	21.4	15.4	23.2

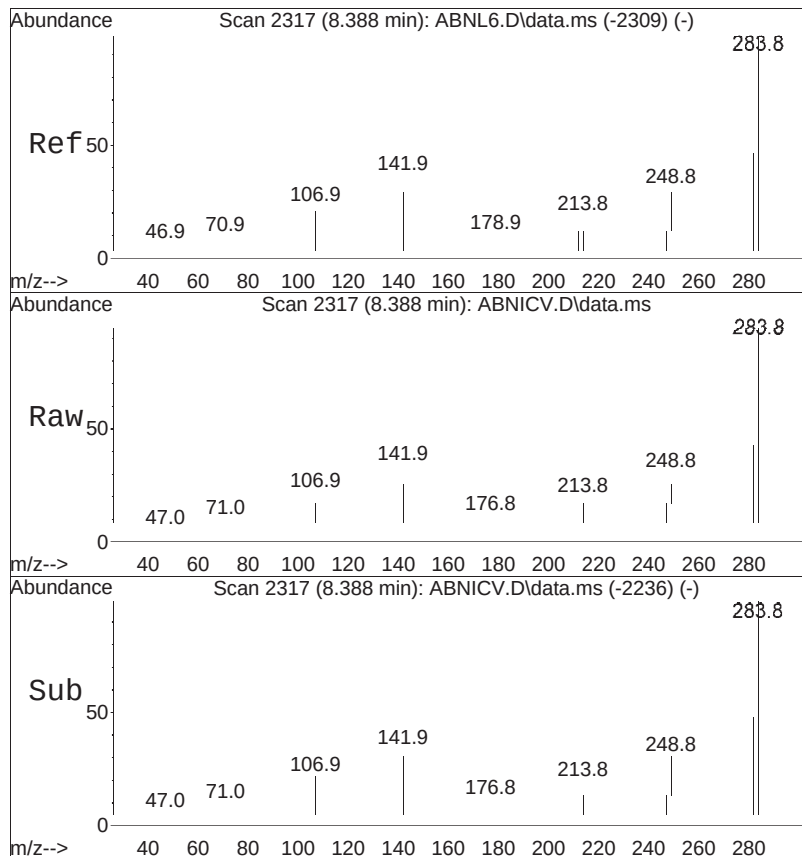




#80
 4-Bromophenyl phenyl ether
 Concen: 4.52 ug/ml
 RT: 8.345 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

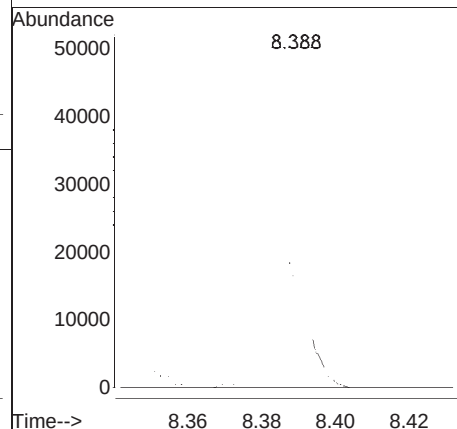
Tgt Ion:	248	Resp:	38130
Ion Ratio	Lower	Upper	
248	100		
141	67.9	76.6	114.8#
250	93.3	77.3	115.9

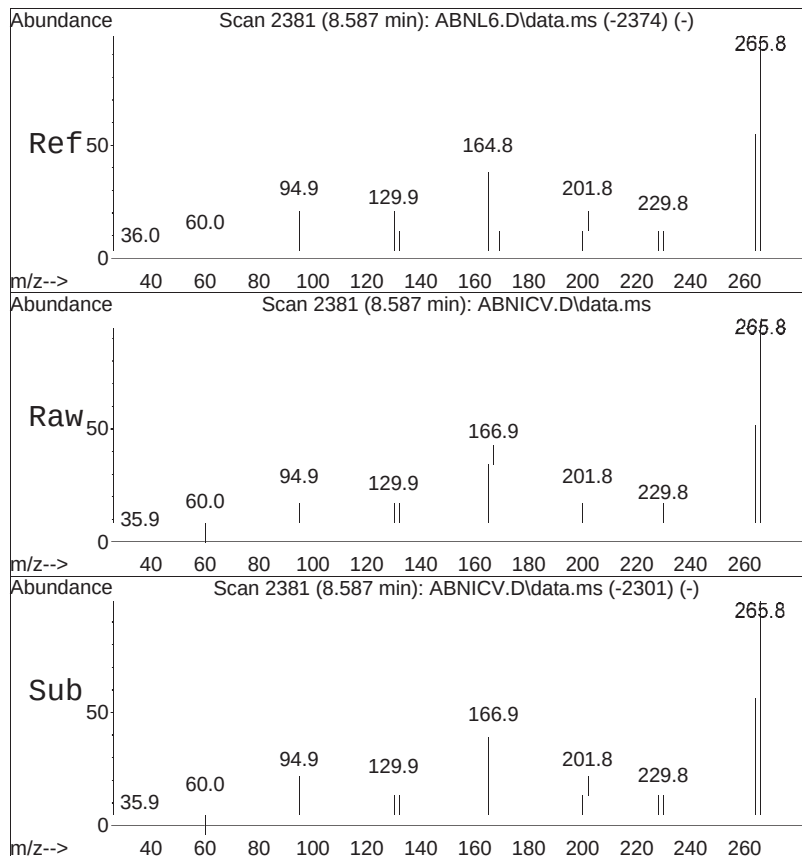




#81
 Hexachlorobenzene
 Concen: 4.55 ug/ml
 RT: 8.388 min Scan# 2317
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

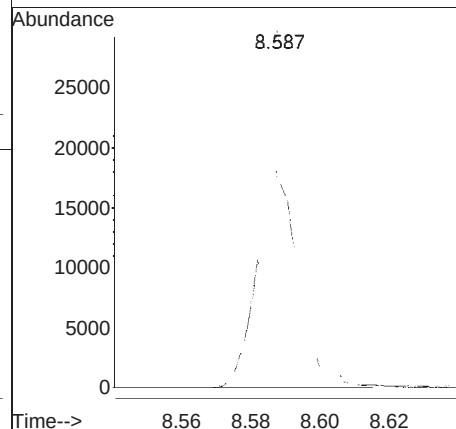
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.4	41.9	62.9#
249	31.2	24.1	36.1

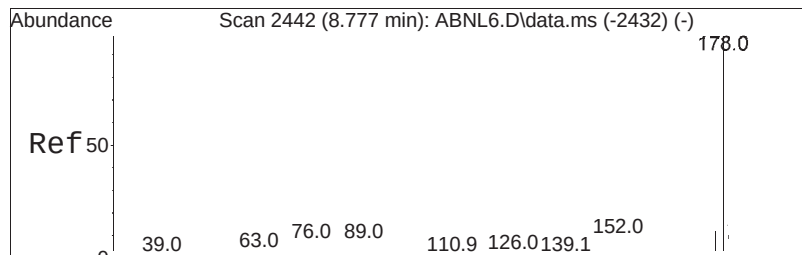




#82
 Pentachlorophenol
 Concen: 4.30 ug/ml
 RT: 8.587 min Scan# 2381
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

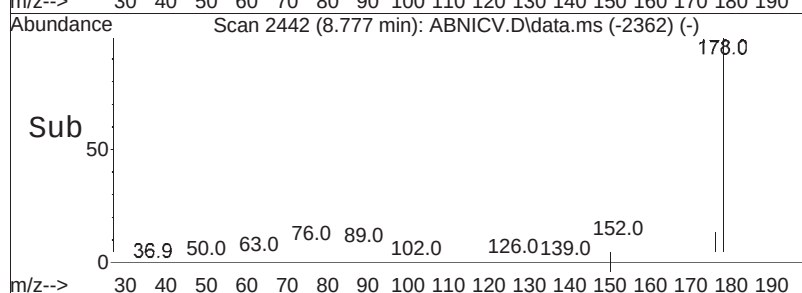
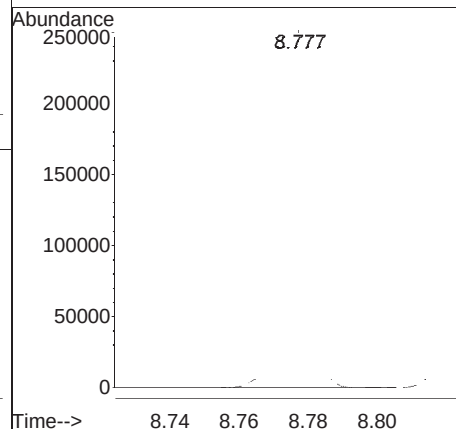
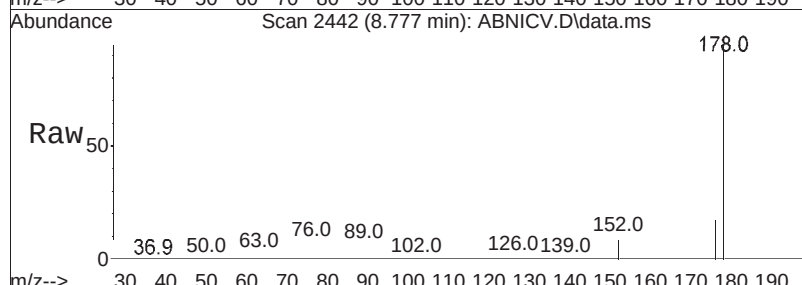
Tgt Ion:	266	Resp:	23880
Ion Ratio	Lower	Upper	
266	100		
264	61.4	49.7	74.5
268	64.5	50.5	75.7

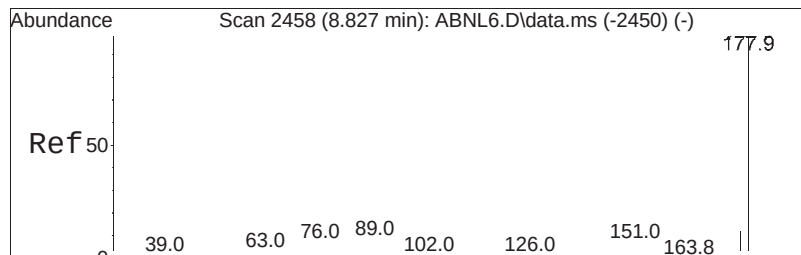




#89
 Phenanthrene
 Concen: 4.50 ug/ml
 RT: 8.777 min Scan# 2442
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

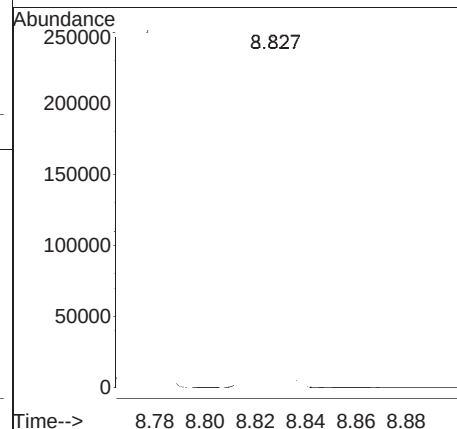
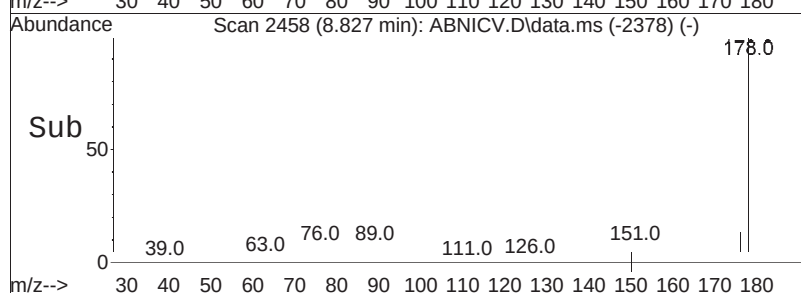
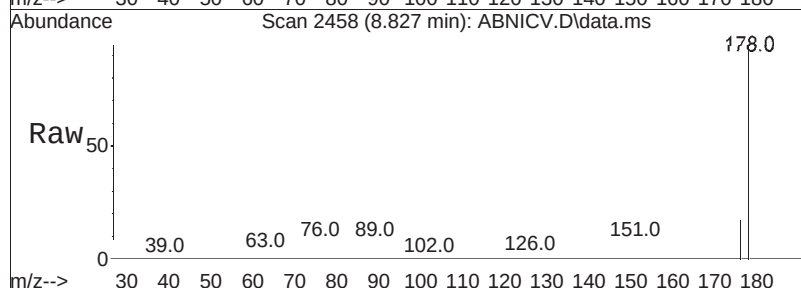
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	19.5	15.4	23.2

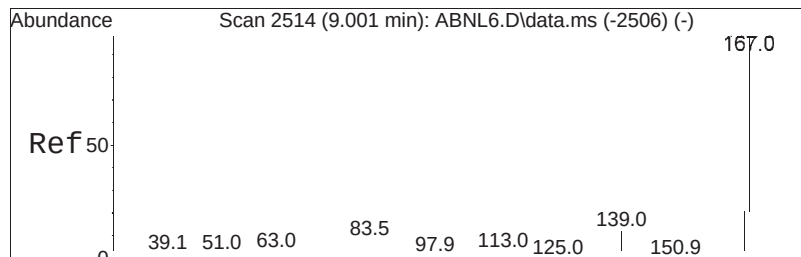




#90
 Anthracene
 Concen: 4.64 ug/ml
 RT: 8.827 min Scan# 2458
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

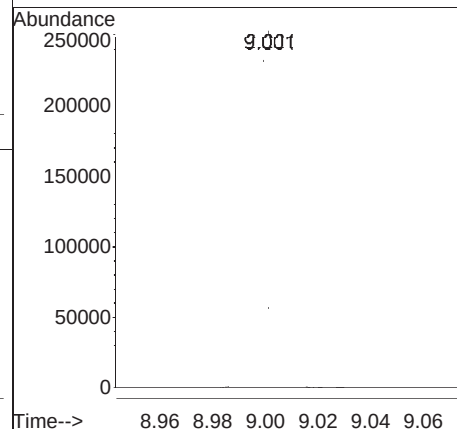
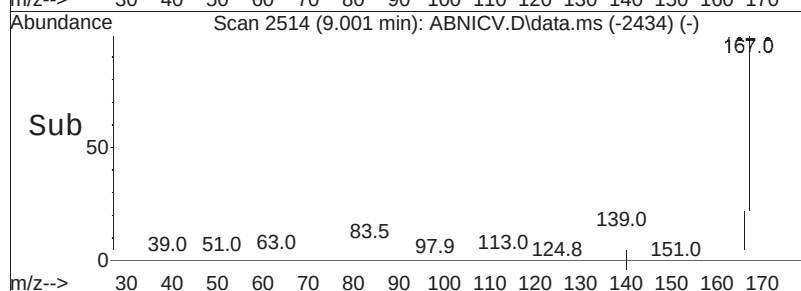
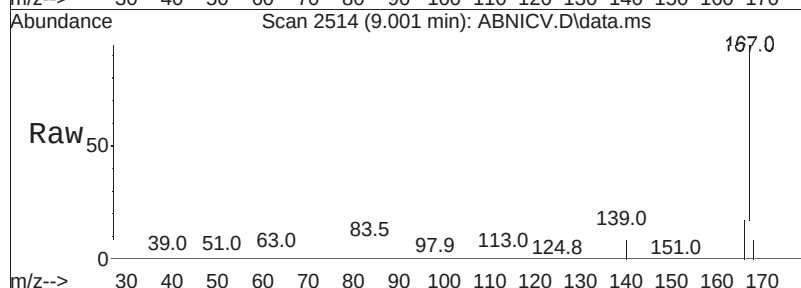
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.0	18.0
176	18.9	14.6	22.0

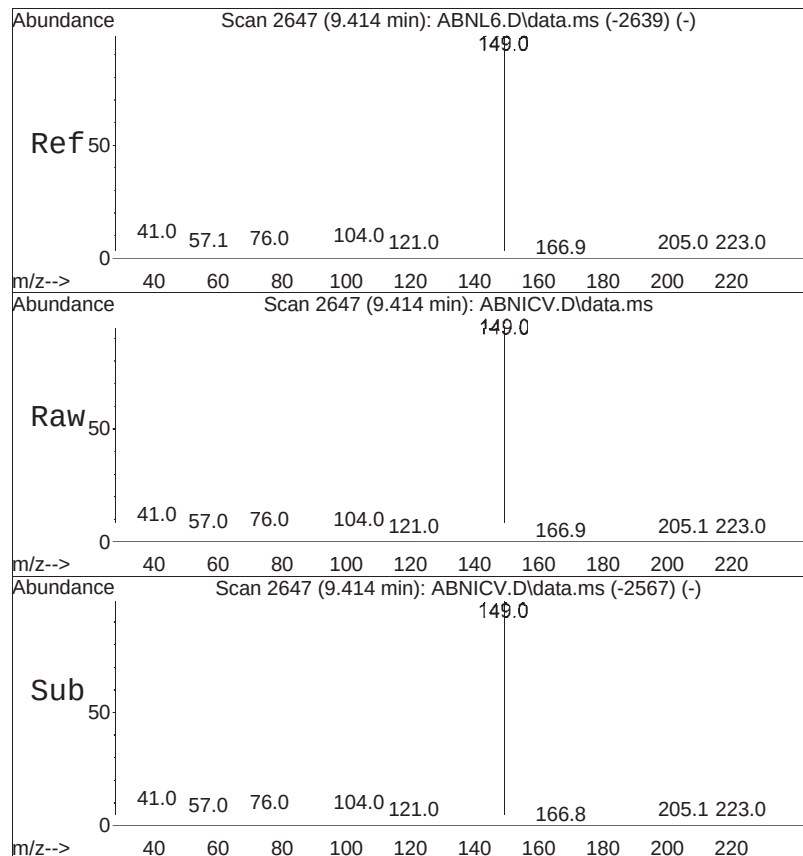




#91
 Carbazole
 Concen: 4.76 ug/ml
 RT: 9.001 min Scan# 2514
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

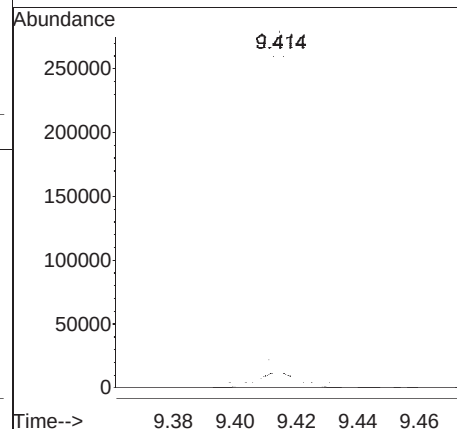
Tgt Ion:	167	Resp:	195054
Ion Ratio	Lower	Upper	
167	100		
168	14.0	10.6	15.8
166	22.5	17.4	26.0

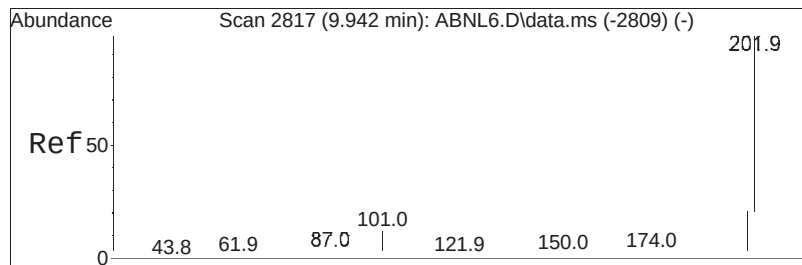




#92
 Di-n-butylphthalate
 Concen: 4.75 ug/ml
 RT: 9.414 min Scan# 2647
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

Tgt Ion	149	Resp:	228103
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.0	10.6
104	4.5	4.5	6.7





#93

Fluoranthene

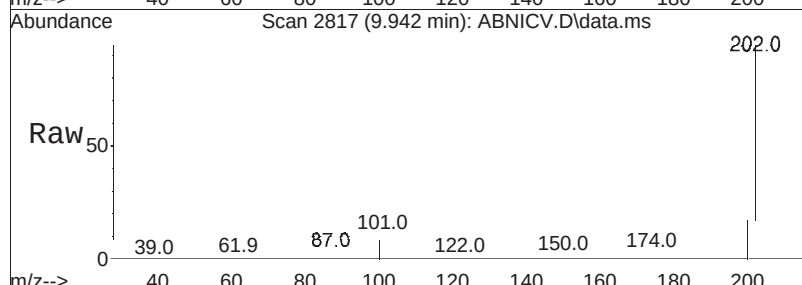
Concen: 4.64 ug/ml

RT: 9.942 min Scan# 2817

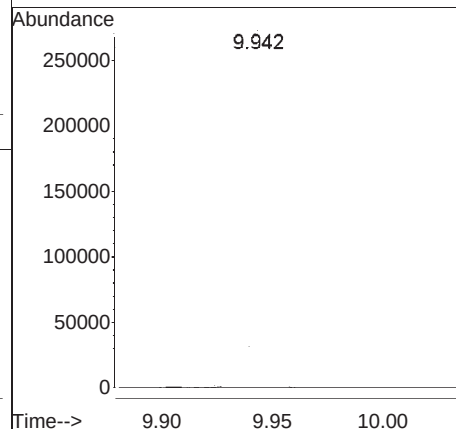
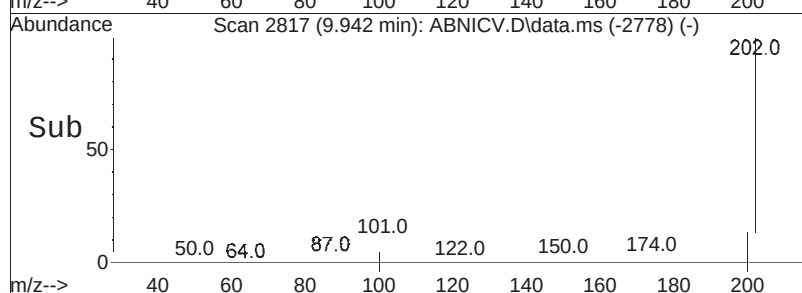
Delta R.T. 0.000 min

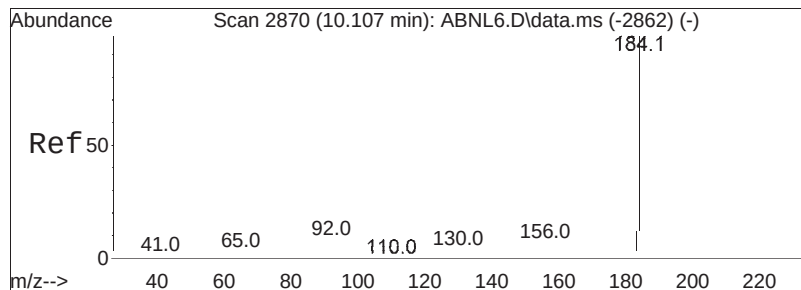
Lab File: ABNICV.D

Acq: 27 Aug 2025 11:33 pm



Tgt Ion:	202	Resp:	227666
Ion Ratio	Lower	Upper	
202	100		
101	11.9	13.5	20.3#
203	17.6	13.6	20.4





#94

Benzidine

Concen: 4.55 ug/ml

RT: 10.104 min Scan# 2869

Delta R.T. -0.003 min

Lab File: ABNICV.D

Acq: 27 Aug 2025 11:33 pm

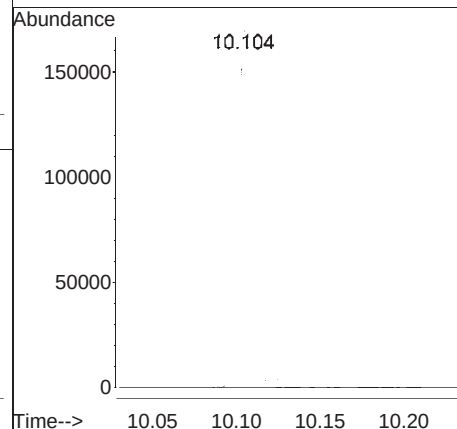
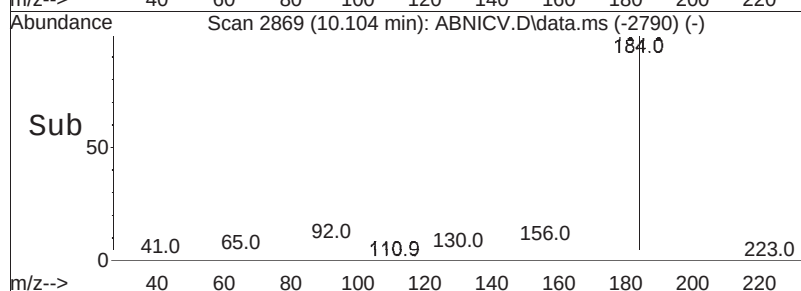
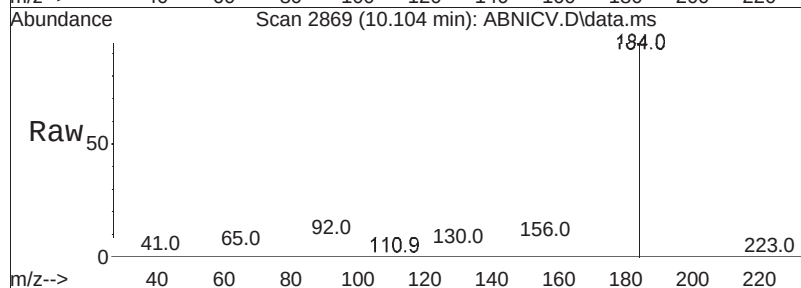
Tgt Ion:184 Resp: 143338

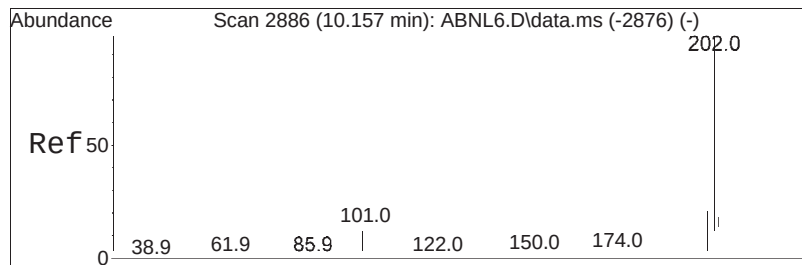
Ion Ratio Lower Upper

184 100

92 7.5 9.1 13.7#

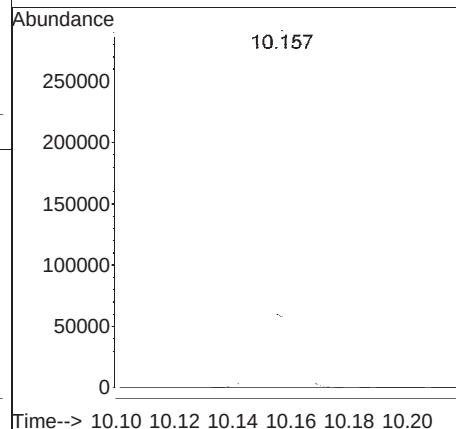
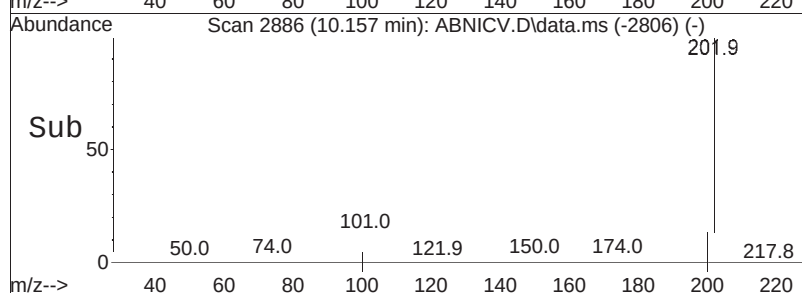
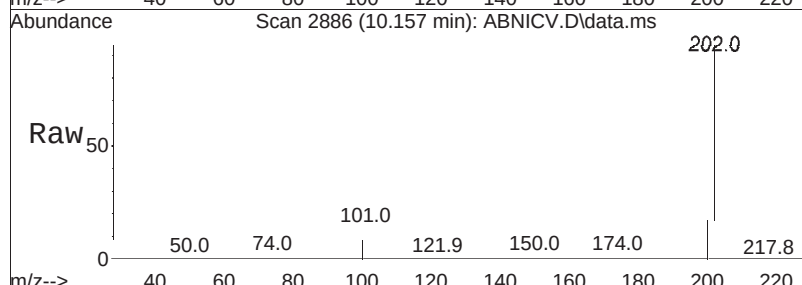
185 14.0 11.1 16.7

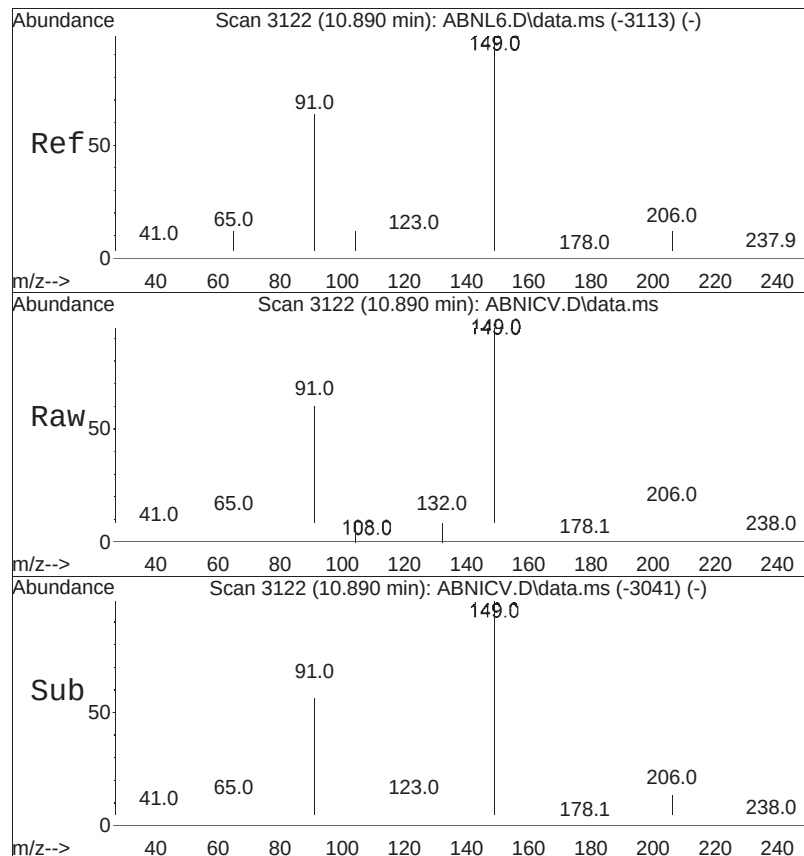




#95
 Pyrene
 Concen: 4.66 ug/ml
 RT: 10.157 min Scan# 2886
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

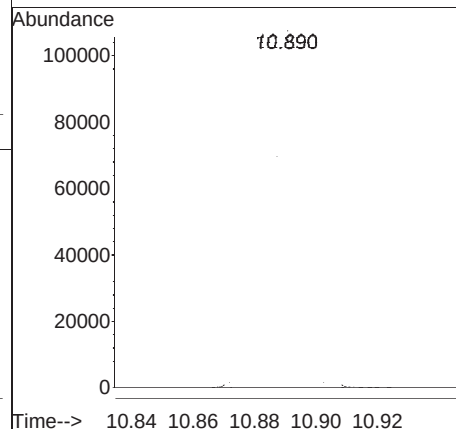
Tgt Ion:	202	Resp:	243958
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.7	25.1
203	17.4	14.2	21.4

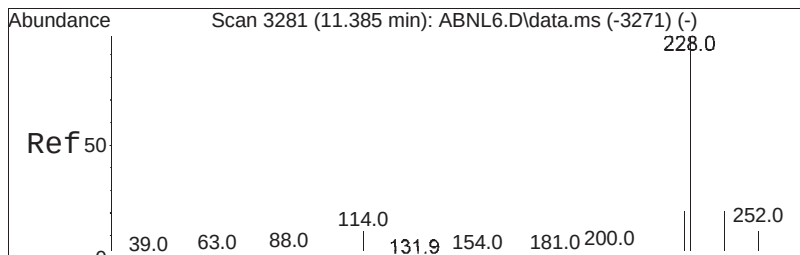




#97
 Butyl benzyl phthalate
 Concen: 4.76 ug/ml
 RT: 10.890 min Scan# 3122
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

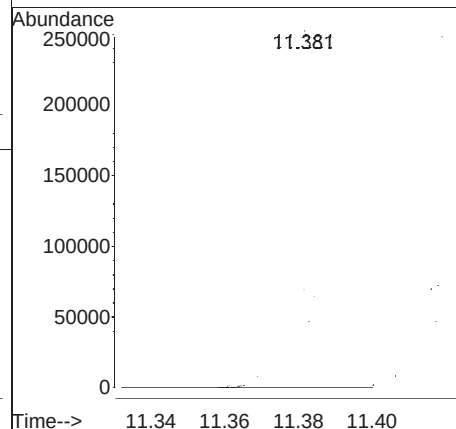
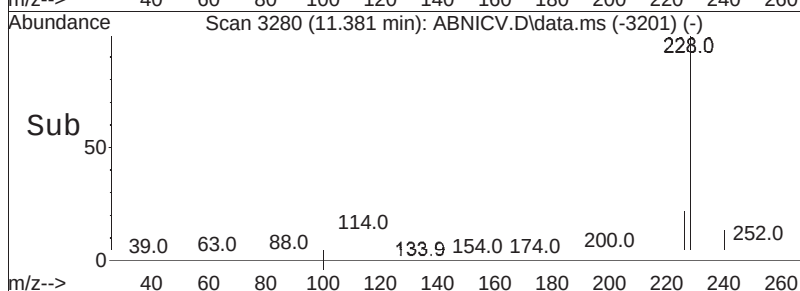
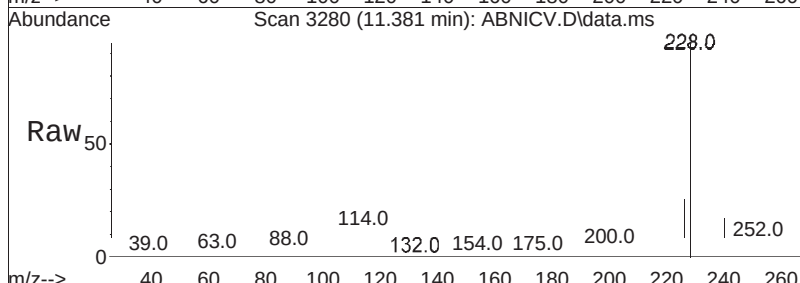
Tgt Ion:	149	Resp:	95520
Ion Ratio	Lower	Upper	
149	100		
91	66.4	63.3	94.9
206	15.2	13.9	20.9

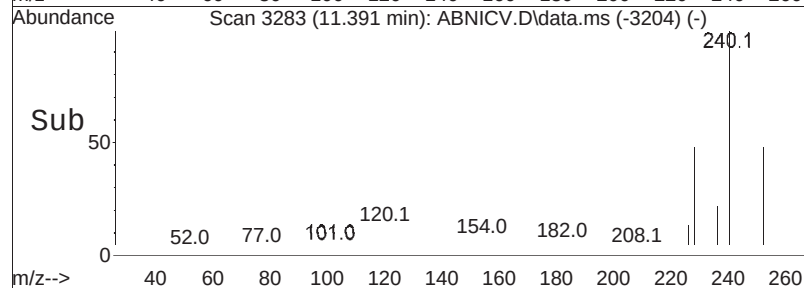
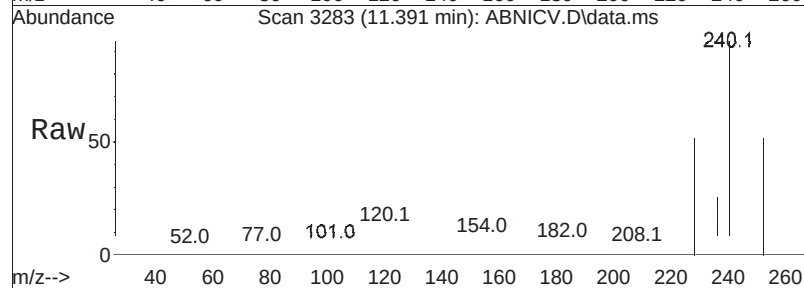
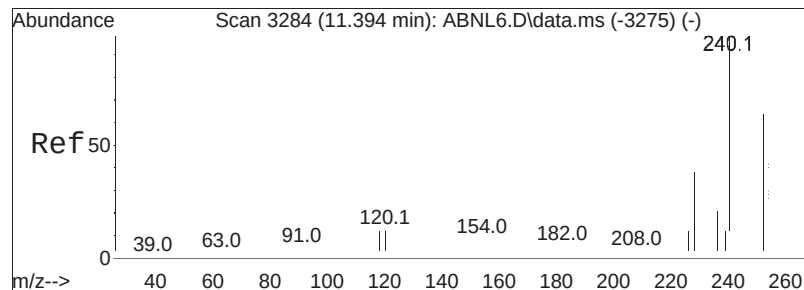




#105
 Benzo(a)anthracene
 Concen: 4.65 ug/ml
 RT: 11.381 min Scan# 3280
 Delta R.T. -0.004 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

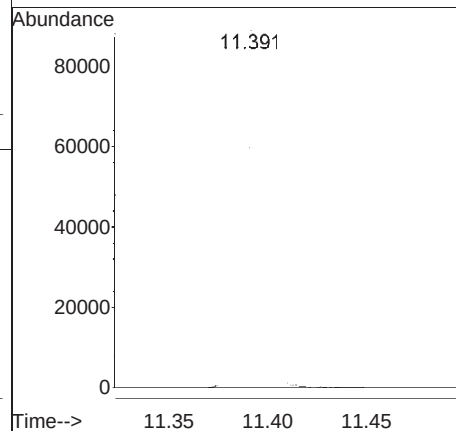
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	19.6	15.6	23.4

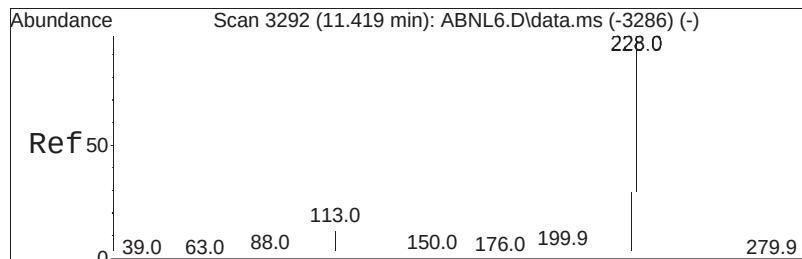




#106
 3,3'-Dichlorobenzidine
 Concen: 4.71 ug/ml
 RT: 11.391 min Scan# 3283
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

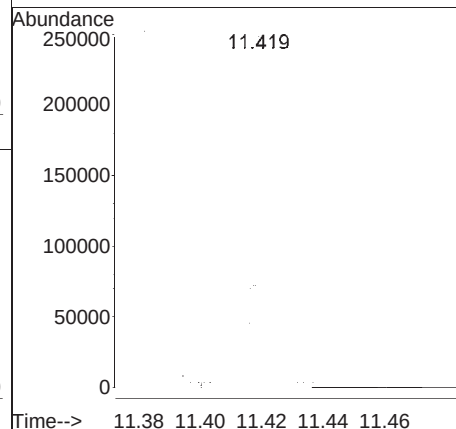
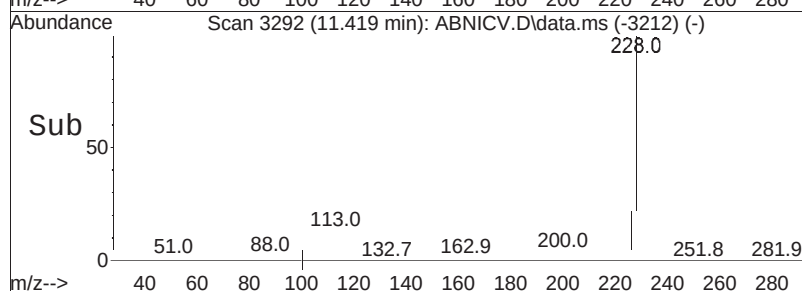
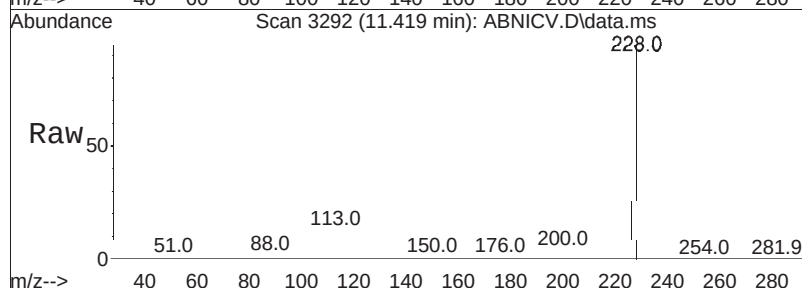
Tgt Ion	Ratio	Lower	Upper
252	100		
126	14.9	14.5	21.7
254	64.7	51.2	76.8

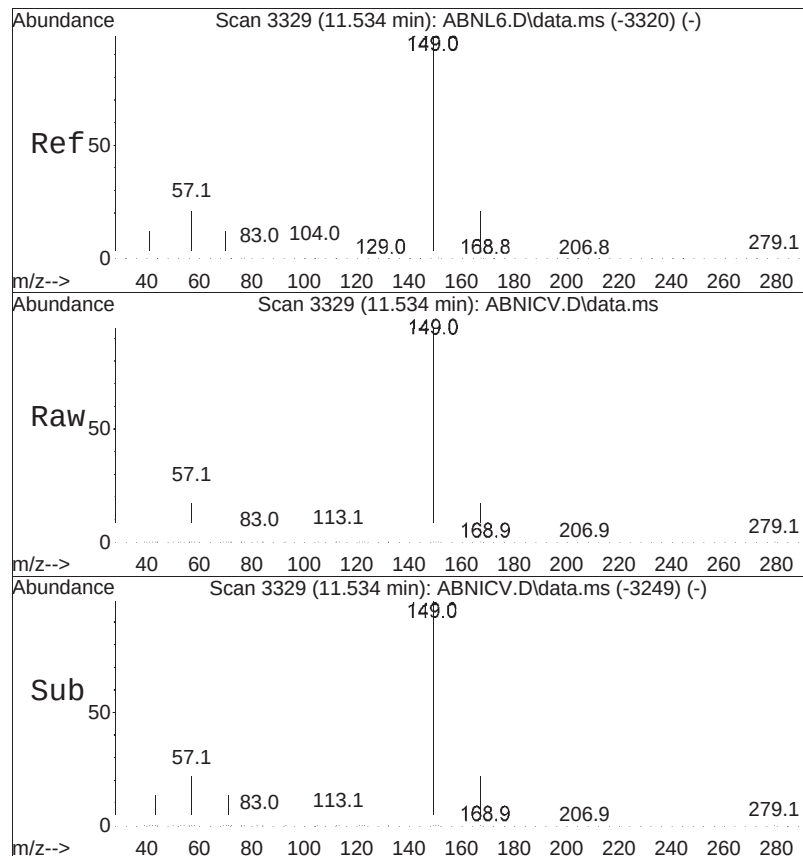




#107
 Chrysene
 Concen: 4.46 ug/ml
 RT: 11.419 min Scan# 3292
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

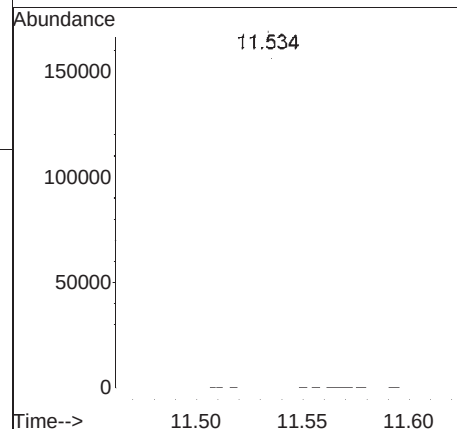
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.5	15.8	23.8

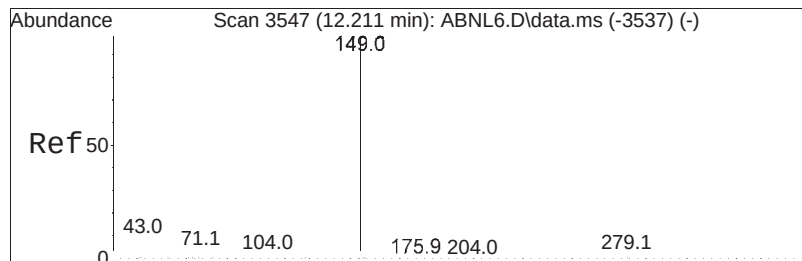




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.95 ug/ml
 RT: 11.534 min Scan# 3329
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

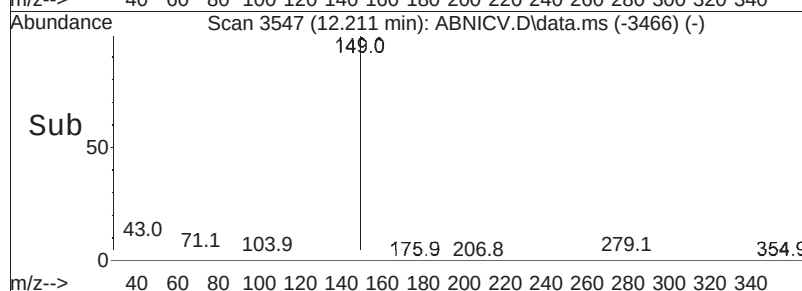
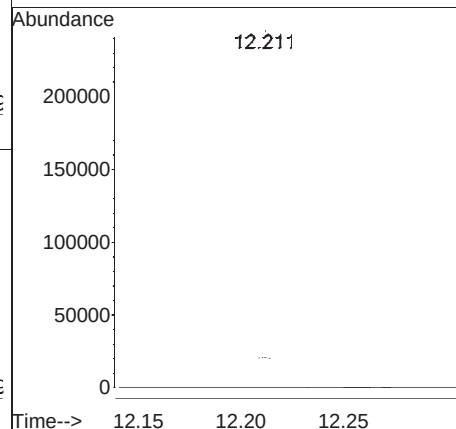
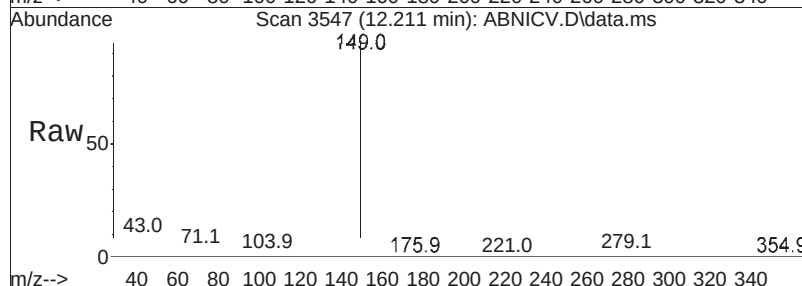
Tgt Ion:	149	Resp:	158955
Ion Ratio	Lower	Upper	
149	100		
167	22.6	22.1	33.1
279	2.2	3.0	4.4#

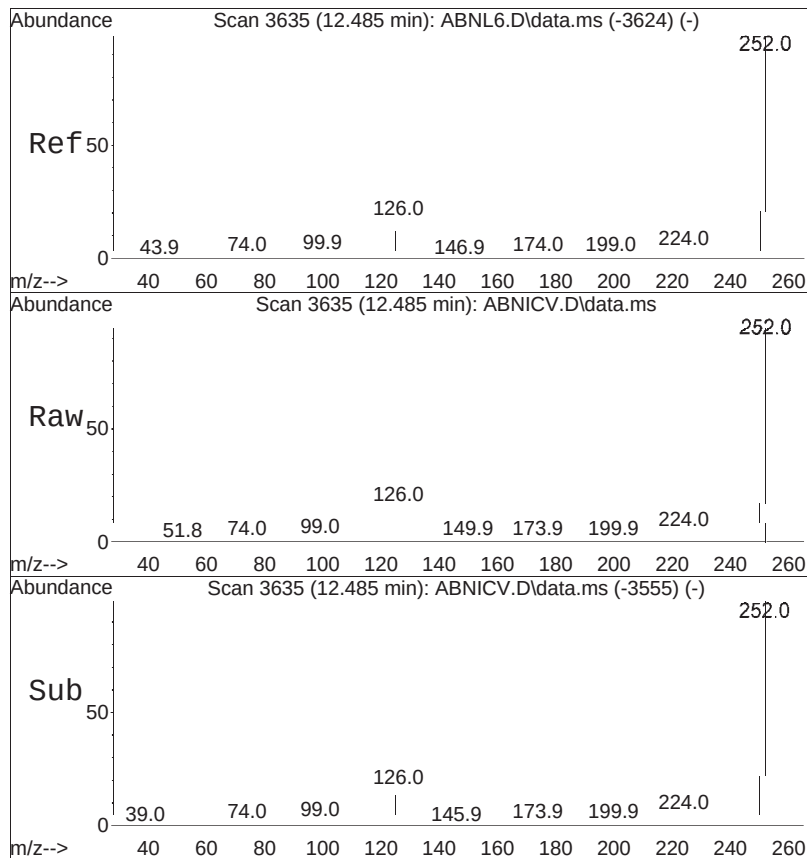




#109
 Di-n-octylphthalate
 Concen: 4.70 ug/ml
 RT: 12.211 min Scan# 3547
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

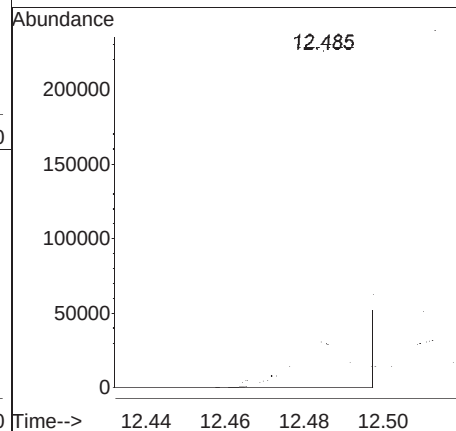
Tgt Ion	149	Ratio	100	Resp	253404
Ion	149	Ratio	100	Lower	Upper
43	43	9.3	18.8	28.2#	
167	167	1.3	1.3	1.9	

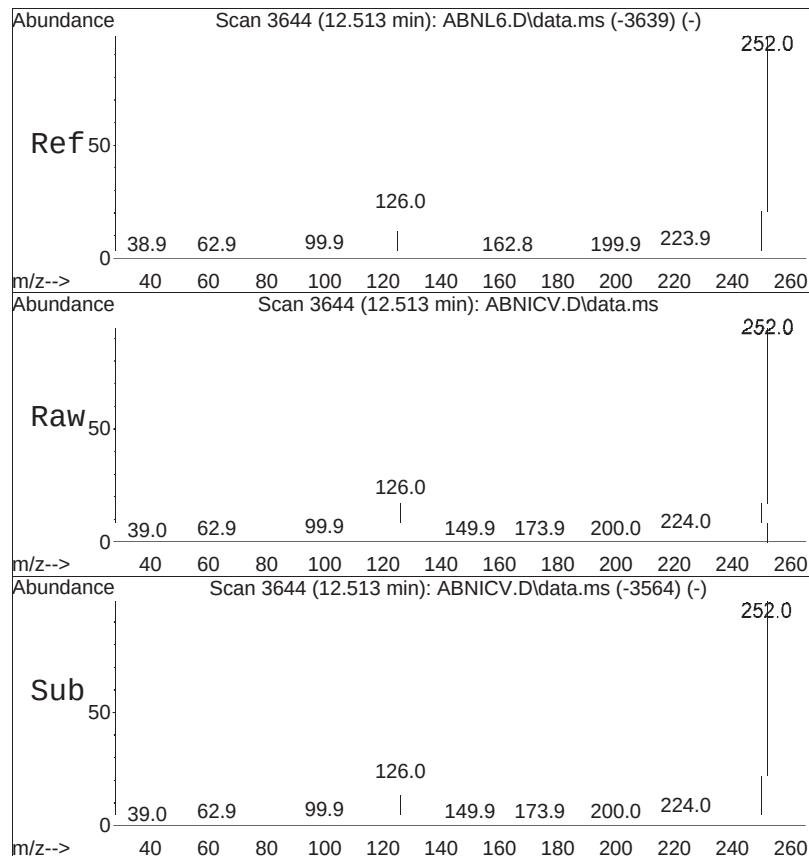




#110
 Benzo(b)fluoranthene
 Concen: 4.70 ug/ml
 RT: 12.485 min Scan# 3635
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

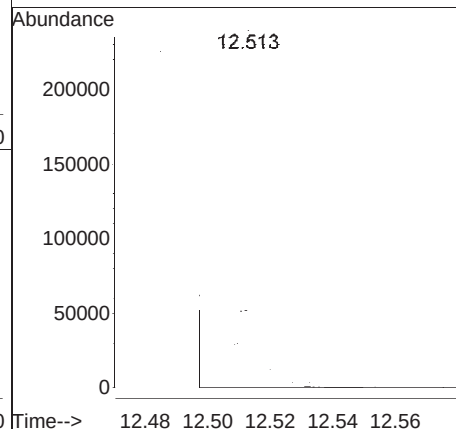
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	227992		
125	13.6		13.3	19.9
253	21.6		17.1	25.7

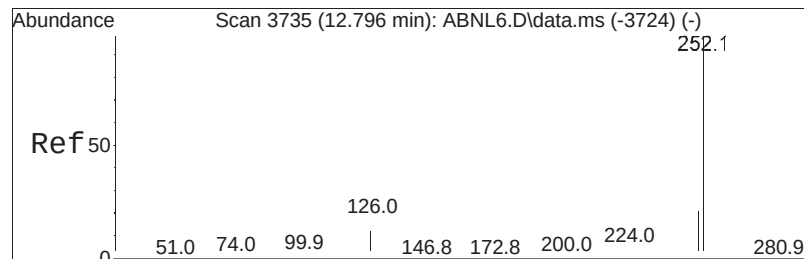




#111
 Benzo(k)fluoranthene
 Concen: 4.74 ug/ml M3
 RT: 12.513 min Scan# 3644
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

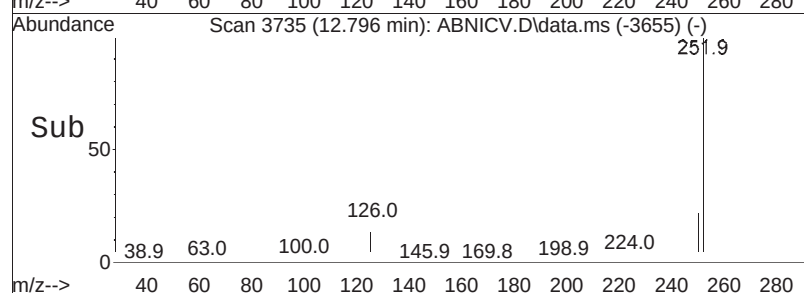
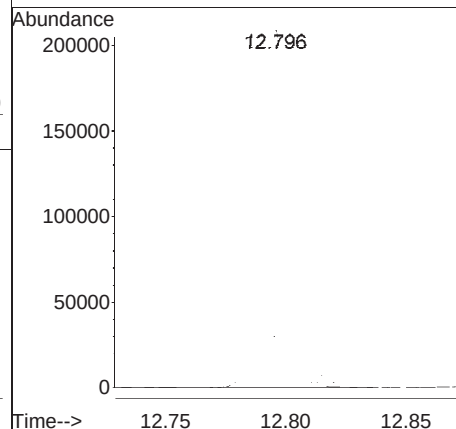
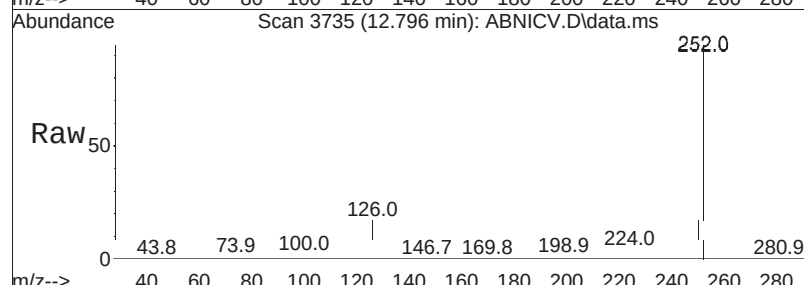
Tgt Ion	Ratio	Lower	Upper
252	100		
125	13.3	13.0	19.6
253	21.0	16.8	25.2

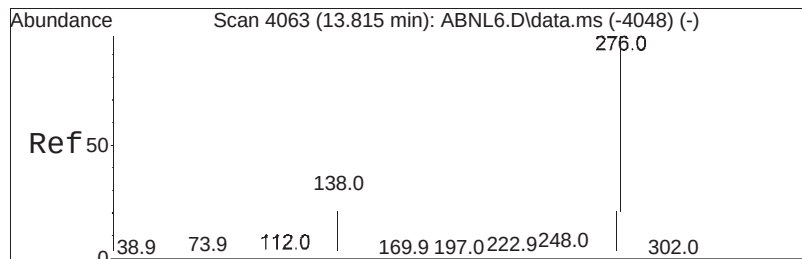




#112
 Benzo(a)pyrene
 Concen: 4.75 ug/ml
 RT: 12.796 min Scan# 3735
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

Tgt Ion:	252	Resp:	215944
Ion Ratio	Lower	Upper	
252	100		
125	14.3	14.2	21.2
253	21.8	16.9	25.3





#114

Indeno(1,2,3-cd)pyrene

Concen: 4.54 ug/mL

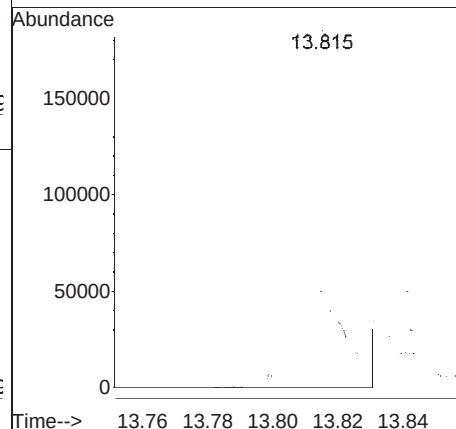
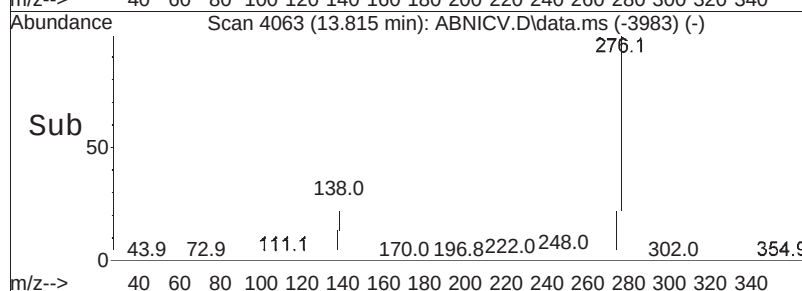
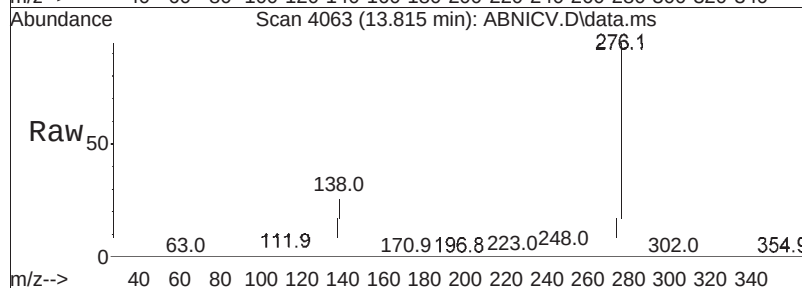
RT: 13.815 min Scan# 4063

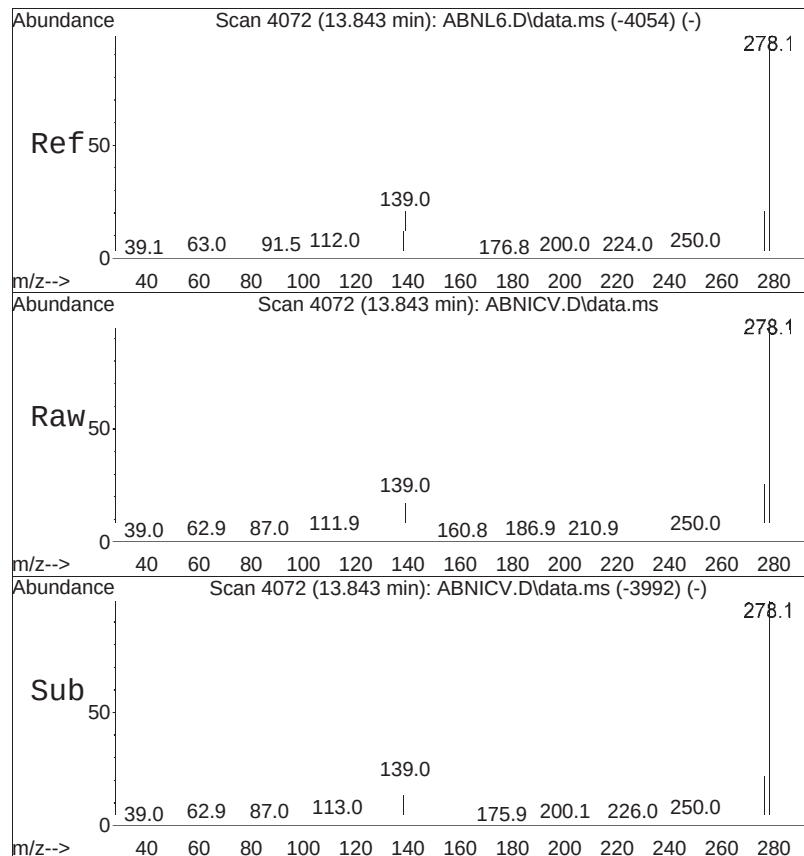
Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 27 Aug 2025 11:33 pm

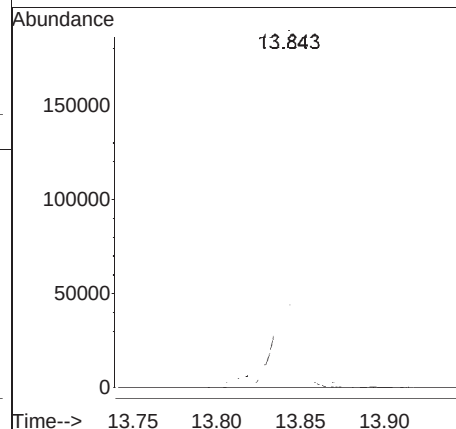
Tgt Ion:	276	Resp:	207533
Ion Ratio	Lower	Upper	
276	100		
138	27.0	25.1	37.7
277	24.4	18.6	28.0

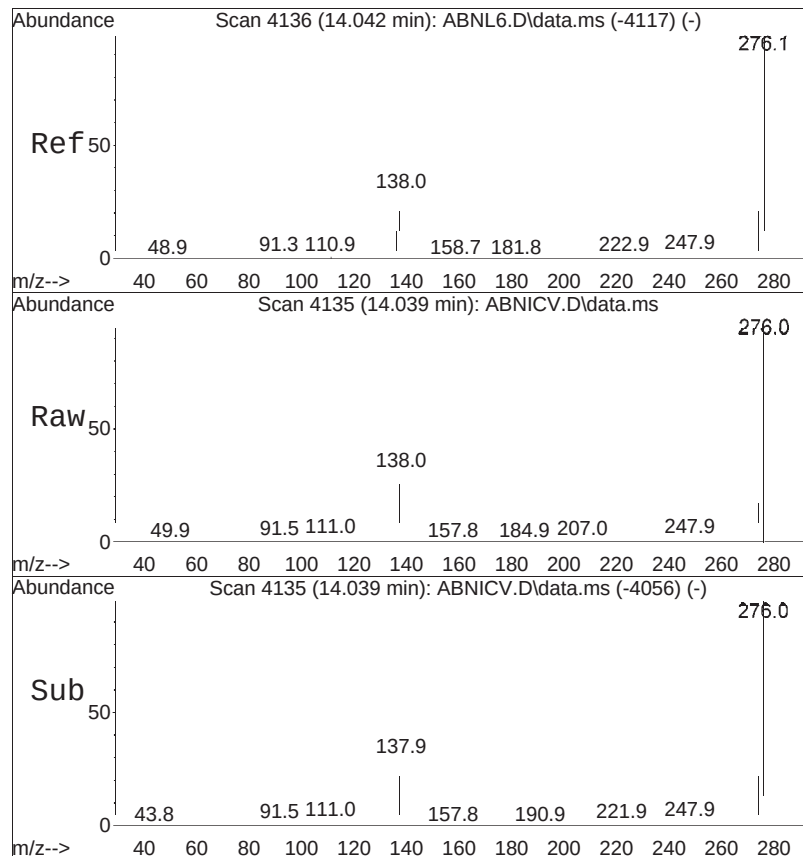




#115
 Dibenzo(a,h)anthracene
 Concen: 4.61 ug/ml
 RT: 13.843 min Scan# 4072
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

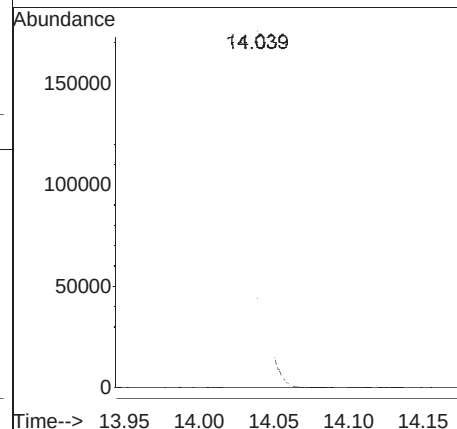
Tgt Ion	Ratio	Resp	Lower	Upper
278	100	218203		
139	20.5		20.8	31.2#
279	22.7		18.3	27.5





#116
 Benzo(ghi)perylene
 Concen: 4.53 ug/ml
 RT: 14.039 min Scan# 4135
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

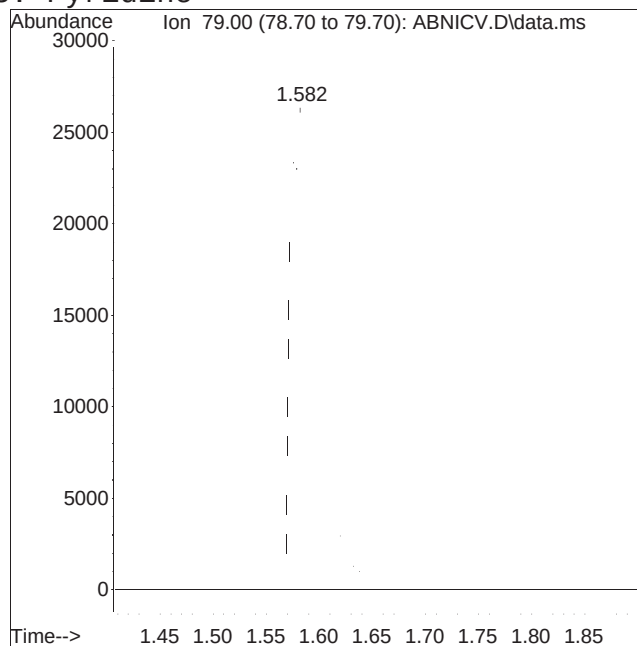
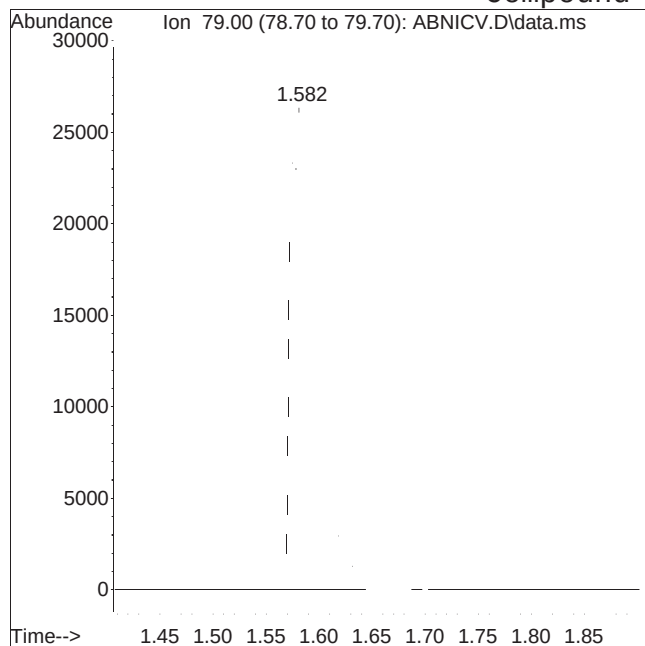
Tgt Ion:	276	Resp:	211143
Ion Ratio	Lower	Upper	
276	100		
138	30.1	29.2	43.8
277	24.2	18.8	28.2



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNICV.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:33 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 119Quant Date

Compound #3: Pyridine



Original Peak Response = 43861

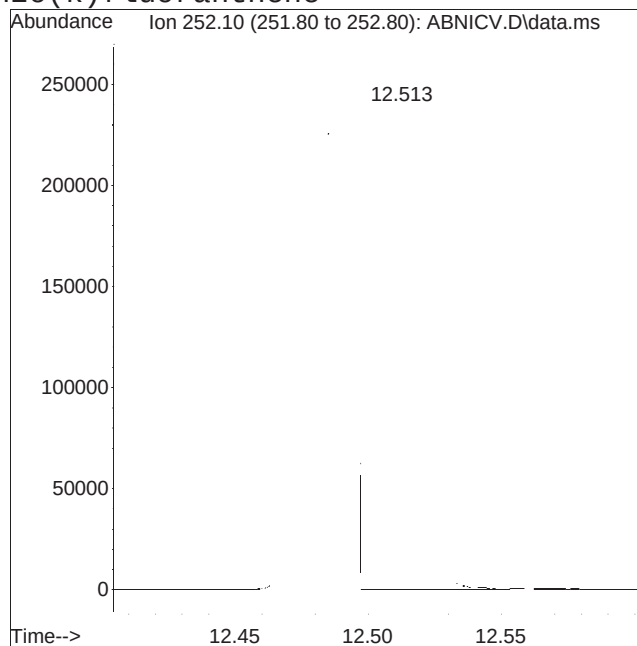
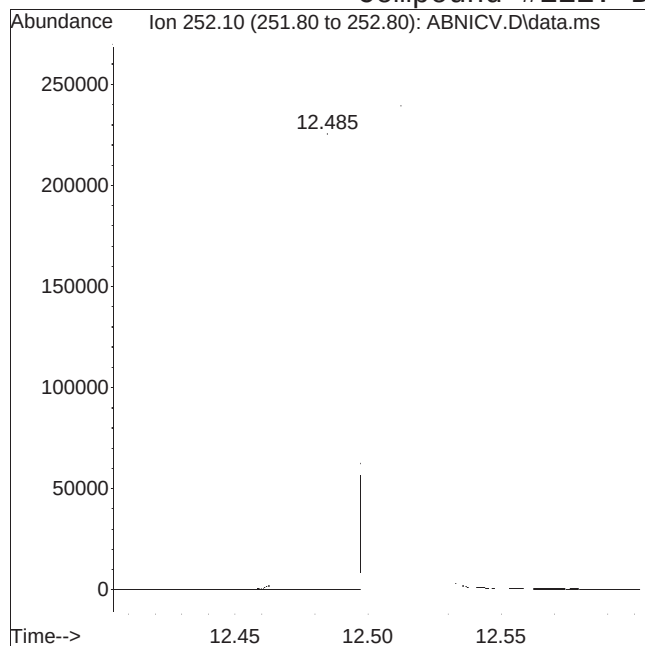
Manual Peak Response = 44894 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNICV.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:33 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 119 Quant Date

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 227992

Manual Peak Response = 234496 M3

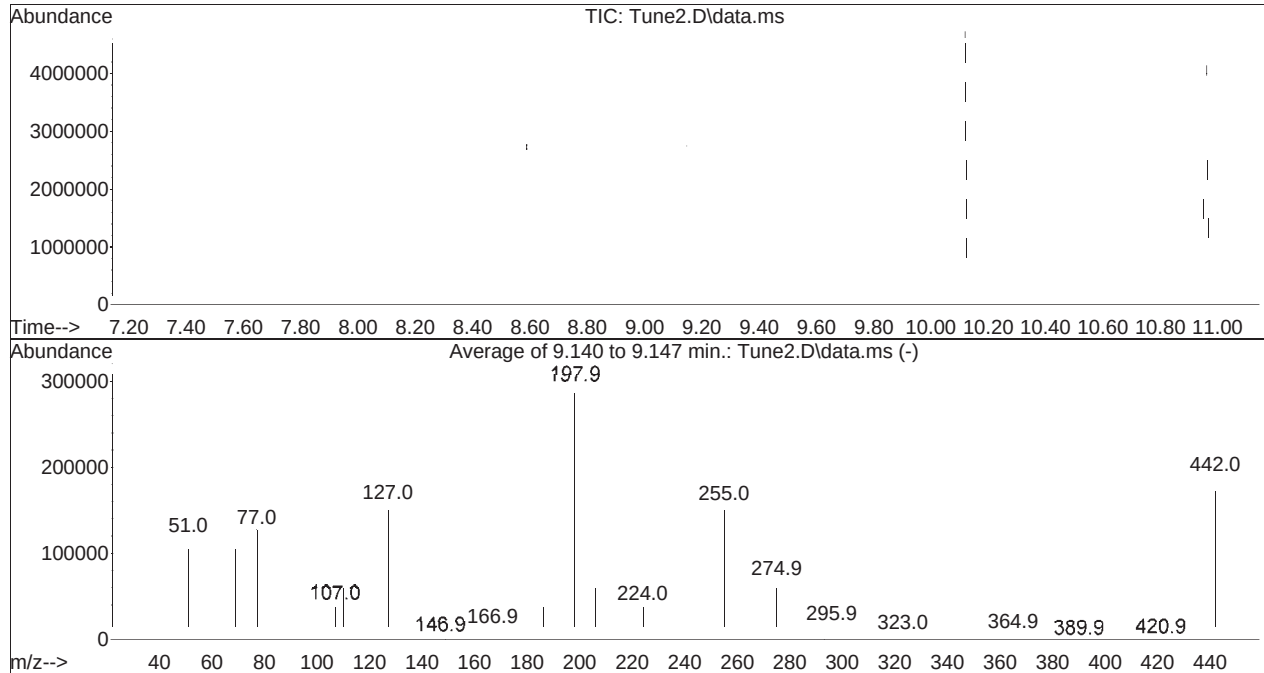
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

DFTPP

Data Path : I:\8270\SV106\250827ICAL\
 Data File : Tune2.D
 Acq On : 27 Aug 2025 11:54 pm
 Operator : SV106:smz
 Sample : Tune2 Lot# 11857
 Misc : WG2108428,,
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025



Spectrum Information: Average of 9.140 to 9.147 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.0	119432	PASS
68	69	0.00	2	1.8	2150	PASS
69	69	100	100	100.0	121643	PASS
70	69	0.00	2	0.4	542	PASS
127	198	10	80	51.4	157589	PASS
197	198	0.00	2	0.3	980	PASS
198	198	100	100	100.0	306581	PASS
199	198	5	9	6.9	21275	PASS
275	198	10	60	22.7	69531	PASS
365	198	1	100	2.5	7623	PASS
441	442	0.01	24	16.9	32248	PASS
442	198	50	100	62.2	190656	PASS
443	442	15	24	19.9	37995	PASS

Data Path : I:\8270\SV106\250827\ICAL\

Data File : Tune2.D

Acq On : 27 Aug 2025 11:54 pm

Operator : SV106:smz

Sample : Tune2 Lot# 11857

Misc : WG2108428,,

ALS Vial : 141 Sample Multiplier: 1

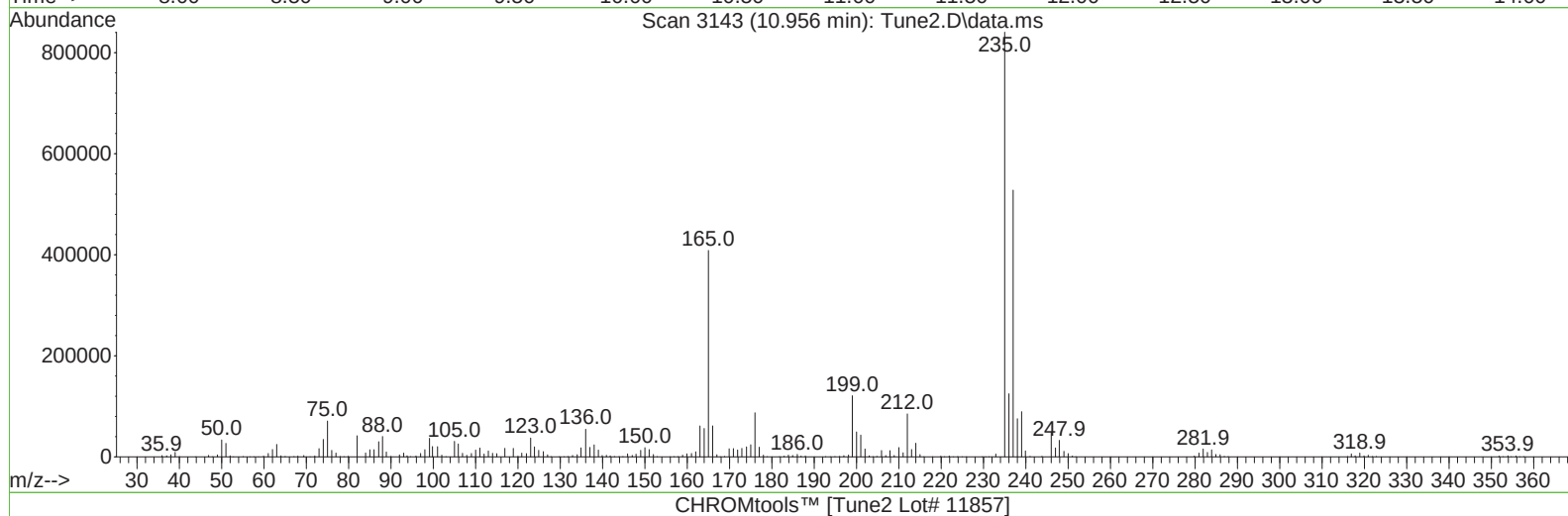
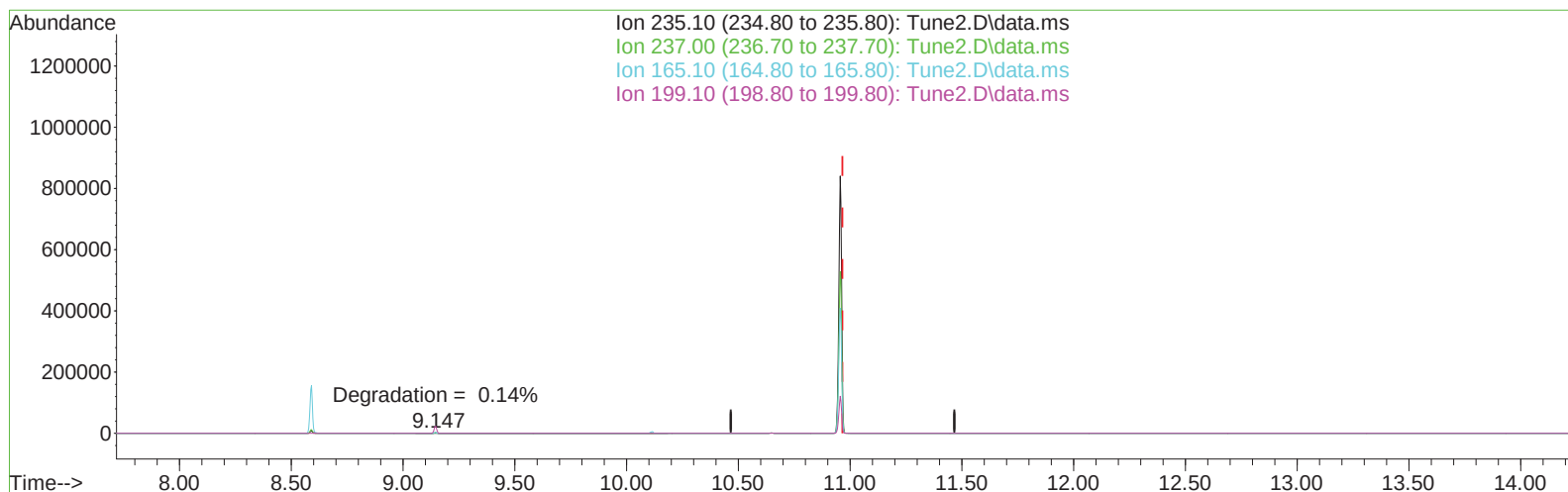
Quant Time: Aug 28 05:29:06 2025

Quant Method : I:\8270\SV106\250827\ICAL\DftppSV106.m

Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Thu Aug 28 05:29:49 2025

sp



CHROMtools™ [Tune2 Lot# 11857]

(6) DDT (T)

10.956min (-0.012) 120.64

response 735365

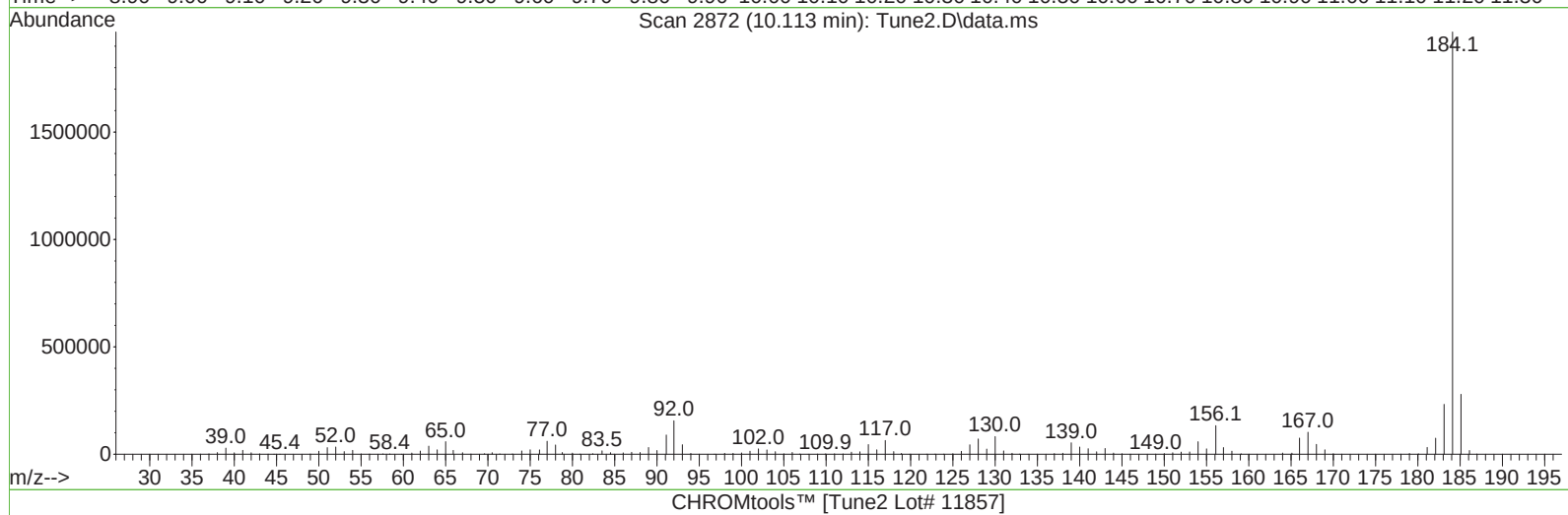
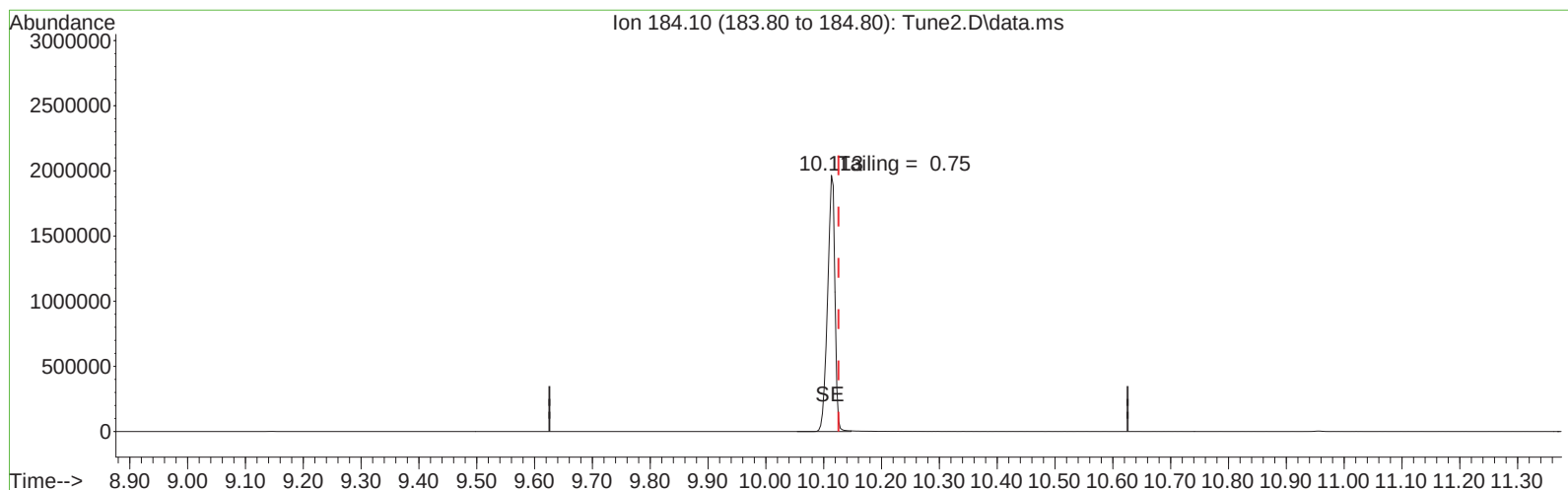
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.52
165.10	44.50	49.81
199.10	14.80	14.22

Duplicate Retention Times

(2) DFTPP 198.00

Data Path : I:\8270\SV106\250827\ICAL\
Data File : Tune2.D
Acq On : 27 Aug 2025 11:54 pm
Operator : SV106:smz
Sample : Tune2 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:29:06 2025
Quant Method : I:\8270\SV106\250827\ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
sp



(3) Benzidine (T)

10.113min (-0.013) 170.36

response 1734310

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L9.D
 Acq On : 28 Aug 2025 12:16 am
 Operator : SV106:smz
 Sample : IL2,32,,AP9L50 Lot# 11923
 Misc : WG2108428,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 05:52:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31106	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery	=	100.51%	
55) IS2_Naphthalene-d8	5.572	136	125947	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery	=	102.88%	
83) IS2_Acenaphthene-d10	7.307	164	72251	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery	=	102.19%	
98) IS2_Phenanthrene-d10	8.755	188	149084	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery	=	104.73%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	241856	48.192	ug/ml	89
29) Acetophenone	4.727	105	739805	44.842	ug/ml#	79
30) m-Toluidine	4.814	106	509677	43.049	ug/ml	95
31) 2-Chloroaniline	5.178	127	696599	44.867	ug/ml#	90
56) a-Terpineol	5.653	59	429714	49.201	ug/ml#	83
57) 3-Chloroaniline	5.659	65	180572	49.683	ug/ml	87
58) 2,6-Dichlorophenol	5.684	162	484433	48.197	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.942	111	227753	44.280	ug/ml#	1
60) Caprolactam	6.008	55	261055	42.386	ug/ml#	72
61) 1,2,4,5-Tetrachloroben...	6.464	216	551234	48.639	ug/ml	98
62) Biphenyl	6.763	154	1376229	38.483	ug/ml	98
84) Dichloran	8.460	206	186523	52.750	ug/ml#	68
85) Pentachloronitrobenzene	8.606	237	168675	50.001	ug/ml#	85
99) Diphenamid	9.691	167	1011695	43.252	ug/ml#	79

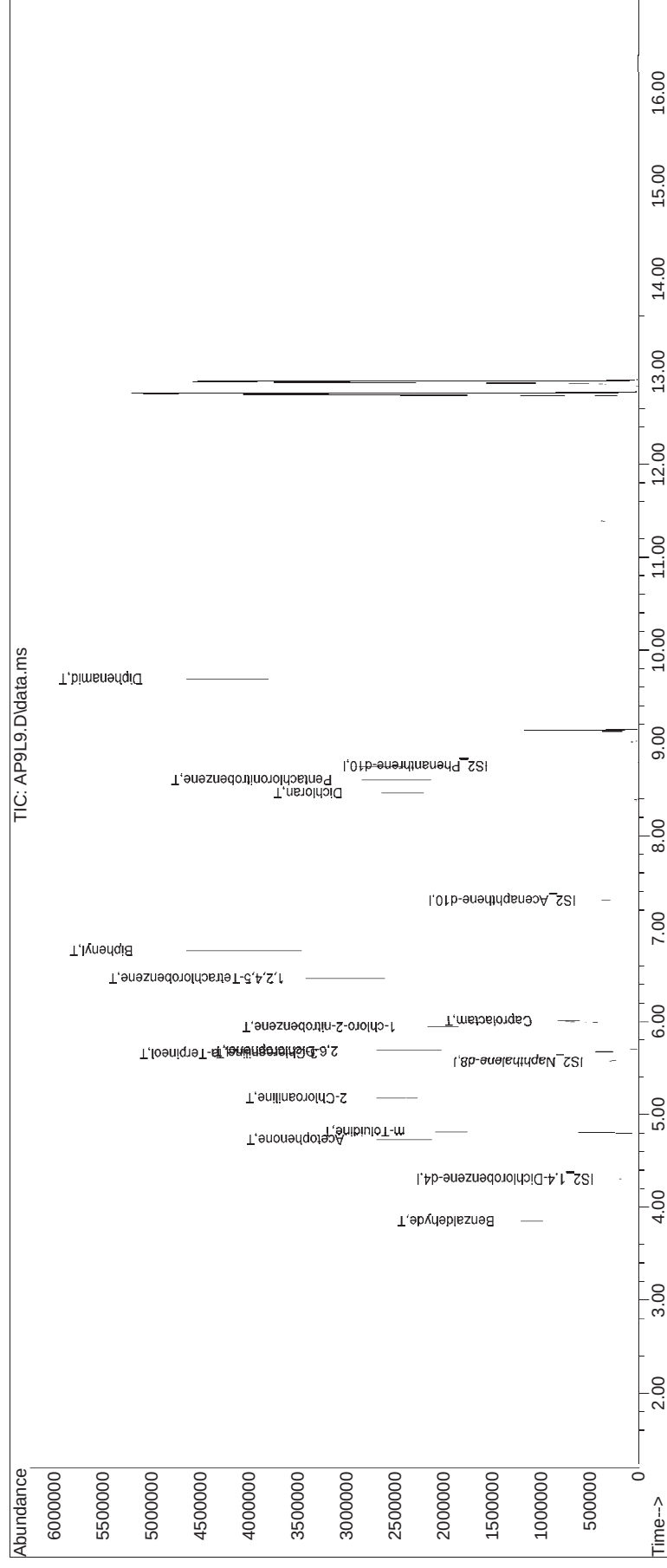
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L9.D
 Acq On : 28 Aug 2025 12:16 am
 Operator : SV106:smz
 Sample : IL2,32,,AP9L50 Lot# 11923
 Misc : WG2108428,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 05:52:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

Sub List : AP9L9\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L9.D Operator : SV106:smz
Date Inj'd : 8/28/2025 12:16 am Instrument : SV 106
Sample : IL2,32,,AP9L50 Lot# 11923 Quant Date : 8/28/2025 5:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L8.D
 Acq On : 28 Aug 2025 12:37 am
 Operator : SV106:smz
 Sample : IL3,32,,AP9L25 Lot# 11924
 Misc : WG2108428,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 28 05:52:12 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31524	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	101.86%		
55) IS2_Naphthalene-d8	5.573	136	123757	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	101.09%		
83) IS2_Acenaphthene-d10	7.304	164	71671	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	101.37%		
98) IS2_Phenanthrene-d10	8.752	188	146352	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	102.81%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.851	105	120804	23.568	ug/ml	89
29) Acetophenone	4.724	105	365051	21.678	ug/ml#	80
30) m-Toluidine	4.811	106	247710	20.644	ug/ml	95
31) 2-Chloroaniline	5.178	127	343357	21.854	ug/ml#	90
56) a-Terpineol	5.647	59	212848	24.802	ug/ml#	84
57) 3-Chloroaniline	5.656	65	89251	24.569	ug/ml	86
58) 2,6-Dichlorophenol	5.681	162	237159	23.795	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	111135	21.990	ug/ml#	1
60) Caprolactam	5.992	55	124811	20.624	ug/ml#	73
61) 1,2,4,5-Tetrachloroben...	6.461	216	272969	24.039	ug/ml	98
62) Biphenyl	6.760	154	681944	19.406	ug/ml	98
84) Dichloran	8.457	206	86479	24.655	ug/ml#	68
85) Pentachloronitrobenzene	8.603	237	78831	23.557	ug/ml#	86
99) Diphenamid	9.688	167	486540	21.189	ug/ml#	80

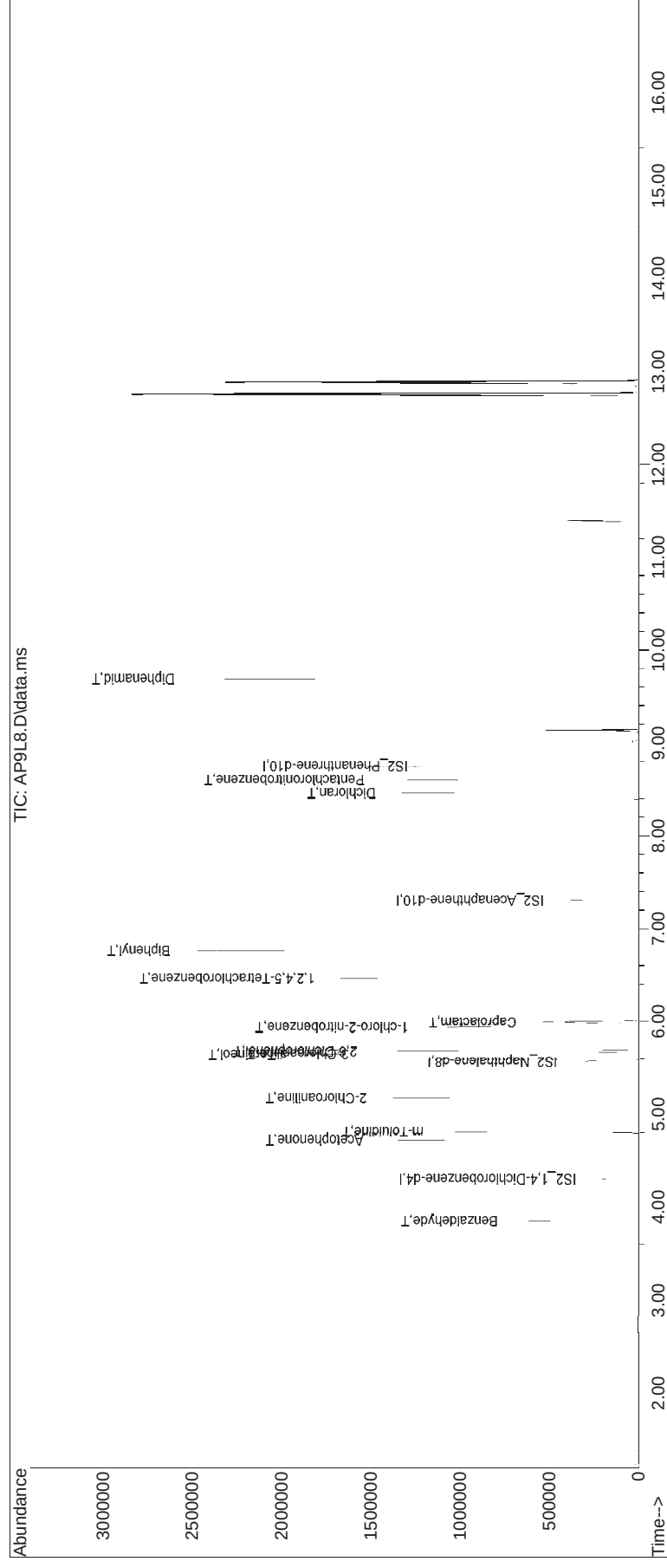
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L8.D
Acq On : 28 Aug 2025 12:37 am
Operator : SV106:smz
Sample : IL3,32,,AP9L25 Lot# 11924
Misc : WG2108428,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 28 05:52:12 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : **AP9L8.D\8270\SV106\250827ICAL\AP9L6.D•**



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L8.D Operator : SV106:smz
Date Inj'd : 8/28/2025 12:37 am Instrument : SV 106
Sample : IL3,32,,AP9L25 Lot# 11924 Quant Date : 8/28/2025 5:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L7.D
 Acq On : 28 Aug 2025 12:58 am
 Operator : SV106:smz
 Sample : IL4,32,,AP9L10 Lot# 11925
 Misc : WG2108428,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 05:50:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30533	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	98.66%		
55) IS2_Naphthalene-d8	5.572	136	120539	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery =	98.46%		
83) IS2_Acenaphthene-d10	7.304	164	69381	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	98.13%		
98) IS2_Phenanthrene-d10	8.752	188	140785	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	98.90%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.851	105	48293	9.514	ug/ml	90
29) Acetophenone	4.724	105	143352	8.608	ug/ml#	80
30) m-Toluidine	4.811	106	96223	8.278	ug/ml	95
31) 2-Chloroaniline	5.178	127	137425	9.067	ug/ml#	90
56) a-Terpineol	5.644	59	82884	9.916	ug/ml#	83
57) 3-Chloroaniline	5.653	65	35569	9.551	ug/ml	86
58) 2,6-Dichlorophenol	5.681	162	91829	9.198	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	43411	8.819	ug/ml#	1
60) Caprolactam	5.983	55	47092	7.989	ug/ml#	74
61) 1,2,4,5-Tetrachloroben...	6.461	216	108602	9.674	ug/ml	98
62) Biphenyl	6.760	154	271123	7.921	ug/ml	98
84) Dichloran	8.454	206	30239	8.906	ug/ml#	70
85) Pentachloronitrobenzene	8.603	237	29475	9.099	ug/ml#	87
99) Diphenamid	9.684	167	187126	8.472	ug/ml#	80

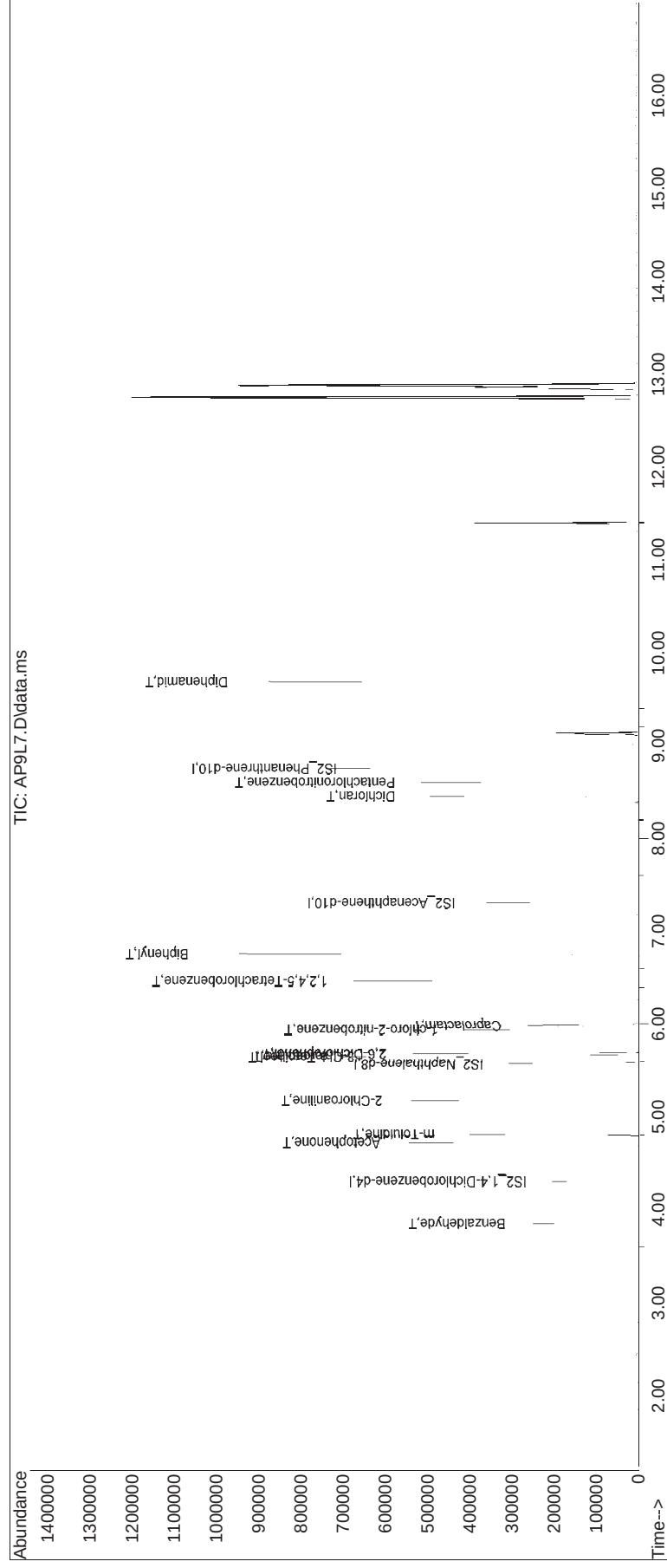
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L7.D
Acq On : 28 Aug 2025 12:58 am
Operator : SV106:smz
Sample : IL4,32,,AP9L10 Lot# 11925
Misc : WG2108428,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 05:50:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : **AP9L7.D\8270\SV106\250827ICAL\AP9L6.D•**



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L7.D Operator : SV106:smz
Date Inj'd : 8/28/2025 12:58 am Instrument : SV 106
Sample : IL4,32,,AP9L10 Lot# 11925 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L6.D
 Acq On : 28 Aug 2025 1:20 am
 Operator : SV106:smz
 Sample : IL5,32,,AP9L5 Lot# 11926
 Misc : WG2108428,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 28 05:49:50 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30949	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery	=	100.00%	
55) IS2_Naphthalene-d8	5.572	136	122423	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery	=	100.00%	
83) IS2_Acenaphthene-d10	7.307	164	70701	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery	=	100.00%	
98) IS2_Phenanthrene-d10	8.752	188	142347	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	24517	4.584	ug/ml	90
29) Acetophenone	4.724	105	72454	4.140	ug/ml#	81
30) m-Toluidine	4.811	106	46756	3.968	ug/ml	95
31) 2-Chloroaniline	5.178	127	67694	4.439	ug/ml#	90
56) a-Terpineol	5.644	59	40745	4.800	ug/ml#	82
57) 3-Chloroaniline	5.653	65	18735	4.544	ug/ml	93
58) 2,6-Dichlorophenol	5.678	162	44237	4.135	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	20884	4.177	ug/ml#	1
60) Caprolactam	5.976	55	22724	3.796	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	55634	4.824	ug/ml	97
62) Biphenyl	6.760	154	138418	3.982	ug/ml	98
84) Dichloran	8.454	206	14237	4.115	ug/ml#	70
85) Pentachloronitrobenzene	8.600	237	14496	4.391	ug/ml#	86
99) Diphenamid	9.684	167	91388	4.092	ug/ml#	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

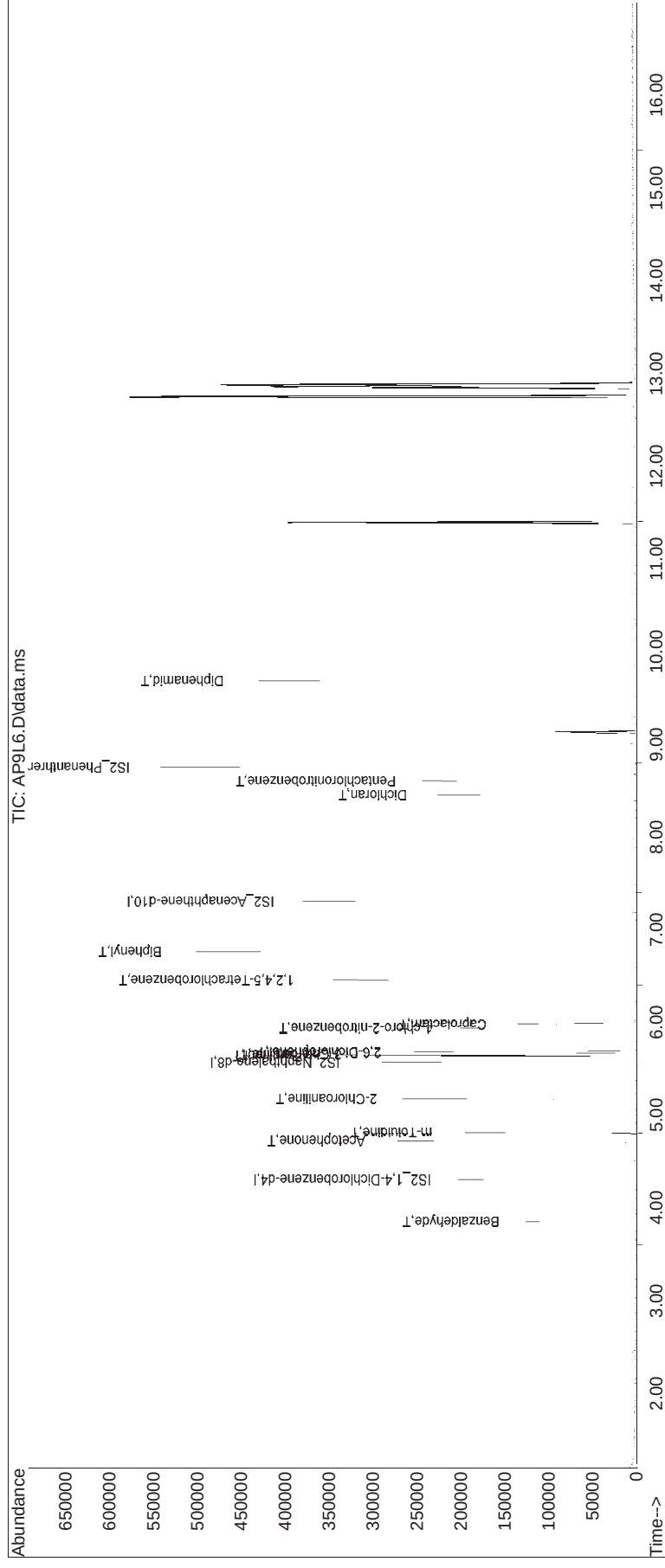
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : AP9L6.D
Acq On        : 28 Aug 2025   1:20 am
Operator      : SV106:smz
Sample        : IL5,32,,AP9L5 Lot# 11926
Misc          : WG2108428,,
ALS Vial      : 14 Sample Multiplier: 1

```

Quant Time: Aug 28 05:49:50 2025
Quant Method : I:\8270\SV106\25082ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : AP9it\827AR9V106\250827ISCAL\AP9L6.D.



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L6.D Operator : SV106:smz
Date Inj'd : 8/28/2025 1:20 am Instrument : SV 106
Sample : IL5,32,,AP9L5 Lot# 11926 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L5.D
 Acq On : 28 Aug 2025 1:41 am
 Operator : SV106:smz
 Sample : IL6,32,,AP9L2.5 Lot# 11927
 Misc : WG2108428,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 28 05:49:28 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31488	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery	=	101.74%	
55) IS2_Naphthalene-d8	5.572	136	123415	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery	=	100.81%	
83) IS2_Acenaphthene-d10	7.303	164	69959	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery	=	98.95%	
98) IS2_Phenanthrene-d10	8.752	188	139425	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery	=	97.95%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.850	105	12800	2.175	ug/ml	91
29) Acetophenone	4.724	105	37207	1.939	ug/ml#	80
30) m-Toluidine	4.811	106	22875	1.907	ug/ml	95
31) 2-Chloroaniline	5.178	127	34404	2.248	ug/ml#	90
56) a-Terpineol	5.644	59	20380	2.381	ug/ml#	81
57) 3-Chloroaniline	5.656	65	9233	1.787	ug/ml	90
58) 2,6-Dichlorophenol	5.678	162	21794	1.799	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	10575	2.098	ug/ml#	1
60) Caprolactam	5.973	55	11167	1.850	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	28206	2.384	ug/ml	97
62) Biphenyl	6.760	154	71591	2.043	ug/ml	99
84) Dichloran	8.453	206	6372	1.861	ug/ml#	72
85) Pentachloronitrobenzene	8.600	237	6722	2.058	ug/ml#	86
99) Diphenamid	9.684	167	43972	2.010	ug/ml#	78

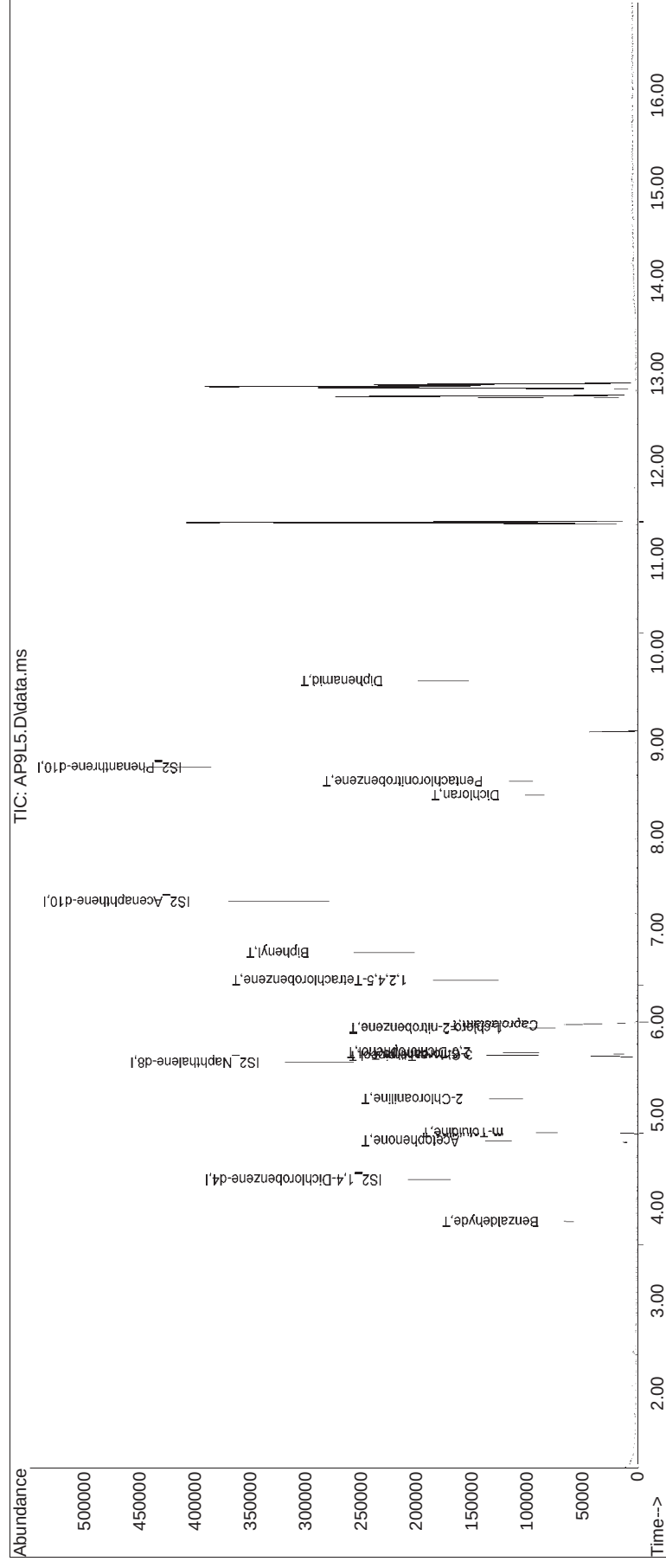
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L5.D
 Acq On : 28 Aug 2025 1:41 am
 Operator : SV106:smz
 Sample : IL6,32,,AP9L2.5 Lot# 11927
 Misc : WG2108428,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 28 05:49:28 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

Sub List : AP9L5.D\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L5.D Operator : SV106:smz
Date Inj'd : 8/28/2025 1:41 am Instrument : SV 106
Sample : IL6,32,,AP9L2.5 Lot# 11927 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L4.D
 Acq On : 28 Aug 2025 2:03 am
 Operator : SV106:smz
 Sample : IL7,32,,AP9L1 Lot# 11928
 Misc : WG2108428,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 28 05:49:06 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	32169	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	103.94%		
55) IS2_Naphthalene-d8	5.572	136	127123	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	103.84%		
83) IS2_Acenaphthene-d10	7.303	164	72215	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	102.14%		
98) IS2_Phenanthrene-d10	8.752	188	142802	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery =	100.32%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.853	105	5276	0.661	ug/ml	87
29) Acetophenone	4.724	105	14867	0.573	ug/ml#	80
30) m-Toluidine	4.811	106	7331	0.597	ug/ml	95
31) 2-Chloroaniline	5.174	127	13198	0.883	ug/ml#	89
56) a-Terpineol	5.644	59	8261	0.937	ug/ml#	84
57) 3-Chloroaniline	5.653	65	3531	0.129	ug/ml	81
58) 2,6-Dichlorophenol	5.678	162	8168	0.379	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	4380	0.844	ug/ml#	1
60) Caprolactam	5.973	55	3951	0.636	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	6.458	216	11563	0.902	ug/ml	97
62) Biphenyl	6.760	154	28809	0.798	ug/ml	99
84) Dichloran	8.454	206	2437	0.690	ug/ml#	68
85) Pentachloronitrobenzene	8.600	237	2445	0.725	ug/ml	87
99) Diphenamid	9.684	167	16325	0.729	ug/ml#	80

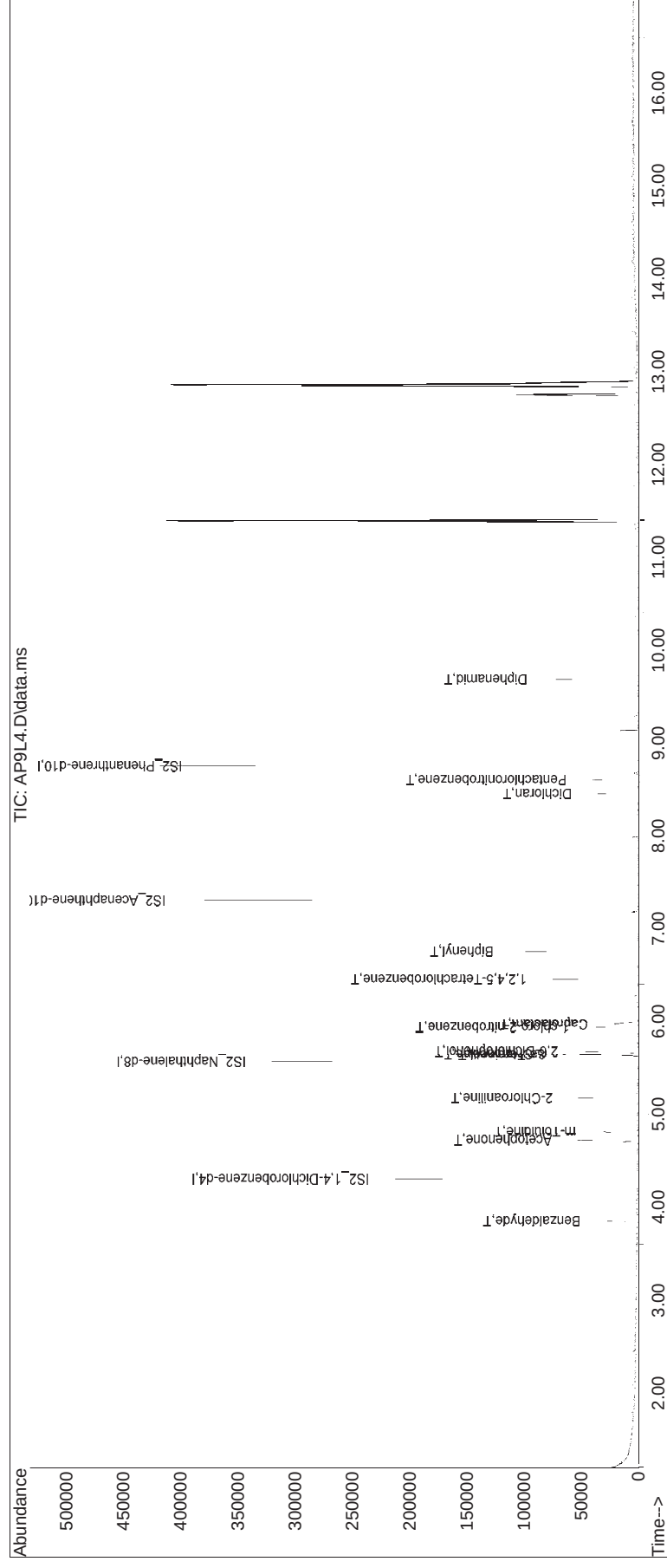
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L4.D
 Acq On : 28 Aug 2025 2:03 am
 Operator : SV106:smz
 Sample : IL7,32,,AP9L1 Lot# 11928
 Misc : WG2108428,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 28 05:49:06 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

Sub List : AP9L4\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: AP9L4.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 2:03 am	Instrument	: SV 106
Sample	: IL7,32,,AP9L1 Lot# 11928	Quant Date	: 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L3.D
 Acq On : 28 Aug 2025 2:24 am
 Operator : SV106:smz
 Sample : IL8,32,,AP9L0.5 Lot# 11929
 Misc : WG2108428,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 10:46:21 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30712	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	99.23%		
55) IS2_Naphthalene-d8	5.572	136	121925	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery =	99.59%		
83) IS2_Acenaphthene-d10	7.307	164	68121	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	96.35%		
98) IS2_Phenanthrene-d10	8.752	188	134155	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	94.25%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	2530	0.511	ug/ml	90
29) Acetophenone	4.727	105	7956	0.544	ug/ml#	77
30) m-Toluidine	4.811	106	2869	0.333	ug/ml#	89
31) 2-Chloroaniline	5.178	127	6731	0.509	ug/ml#	91
56) a-Terpineol	5.644	59	3950	0.485	ug/ml#	79
57) 3-Chloroaniline	5.653	65	1709	0.490	ug/ml	81
58) 2,6-Dichlorophenol	5.681	162	4302	0.495	ug/ml#	81
59) 1-chloro-2-nitrobenzene	5.936	111	2003	0.488	ug/ml#	1
60) Caprolactam	5.976	55	1830	0.424	ug/ml#	71
61) 1,2,4,5-Tetrachloroben...	6.461	216	6021	0.529	ug/ml	98
62) Biphenyl	6.760	154	14379	0.507	ug/ml	98
84) Dichloran	8.451	206	1175	0.436	ug/ml#	71
85) Pentachloronitrobenzene	8.600	237	1187	0.451	ug/ml#	86
99) Diphenamid	9.684	167	7361	0.451	ug/ml#	82

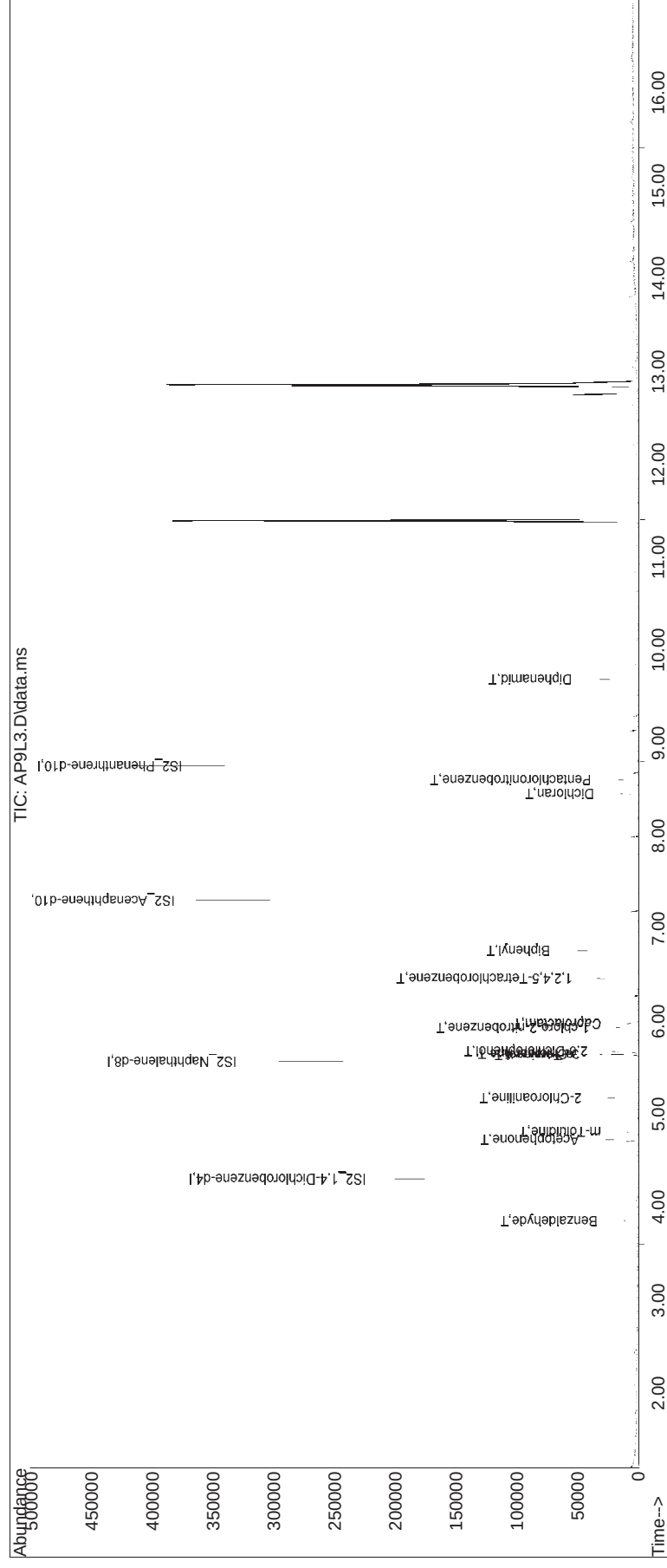
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L3.D
Acq On : 28 Aug 2025 2:24 am
Operator : SV106:smz
Sample : IL8,32,,AP9L0.5 Lot# 11929
Misc : WG2108428,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 10:46:21 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : **AP9L3.D\8270\SV106\250827ICAL\AP9L6.D•**



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L3.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:24 am Instrument : SV 106
Sample : IL8,32,,AP9L0.5 Lot# 11929 Quant Date : 8/28/2025 10:47 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L2.D
 Acq On : 28 Aug 2025 2:45 am
 Operator : SV106:smz
 Sample : IL9,32,,AP9L0.2 Lot# 11930
 Misc : WG2108428,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 10:48:11 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	32104	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	103.73%		
55) IS2_Naphthalene-d8	5.572	136	122317	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery =	99.91%		
83) IS2_Acenaphthene-d10	7.304	164	70864	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	100.23%		
98) IS2_Phenanthrene-d10	8.752	188	139328	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery =	97.88%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.857	105	1059	0.205	ug/ml#	77
29) Acetophenone	4.727	105	3100	0.203	ug/ml#	67
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	5.178	127	2596	0.188	ug/ml#	90
56) a-Terpineol	5.644	59	1651	0.202	ug/ml#	81
57) 3-Chloroaniline	5.656	65	624	0.178	ug/ml#	73
58) 2,6-Dichlorophenol	5.678	162	1600	0.183	ug/ml#	79
59) 1-chloro-2-nitrobenzene	5.939	111	740	0.180	ug/ml#	1
60) Caprolactam	5.983	55	691	0.159	ug/ml#	43
61) 1,2,4,5-Tetrachloroben...	6.461	216	2548	0.223	ug/ml#	83
62) Biphenyl	6.760	154	5871	0.206	ug/ml	99
84) Dichloran	8.454	206	440M2	0.157	ug/ml	
85) Pentachloronitrobenzene	8.600	237	389M2	0.142	ug/ml	
99) Diphenamid	9.684	167	2847	0.168	ug/ml	84

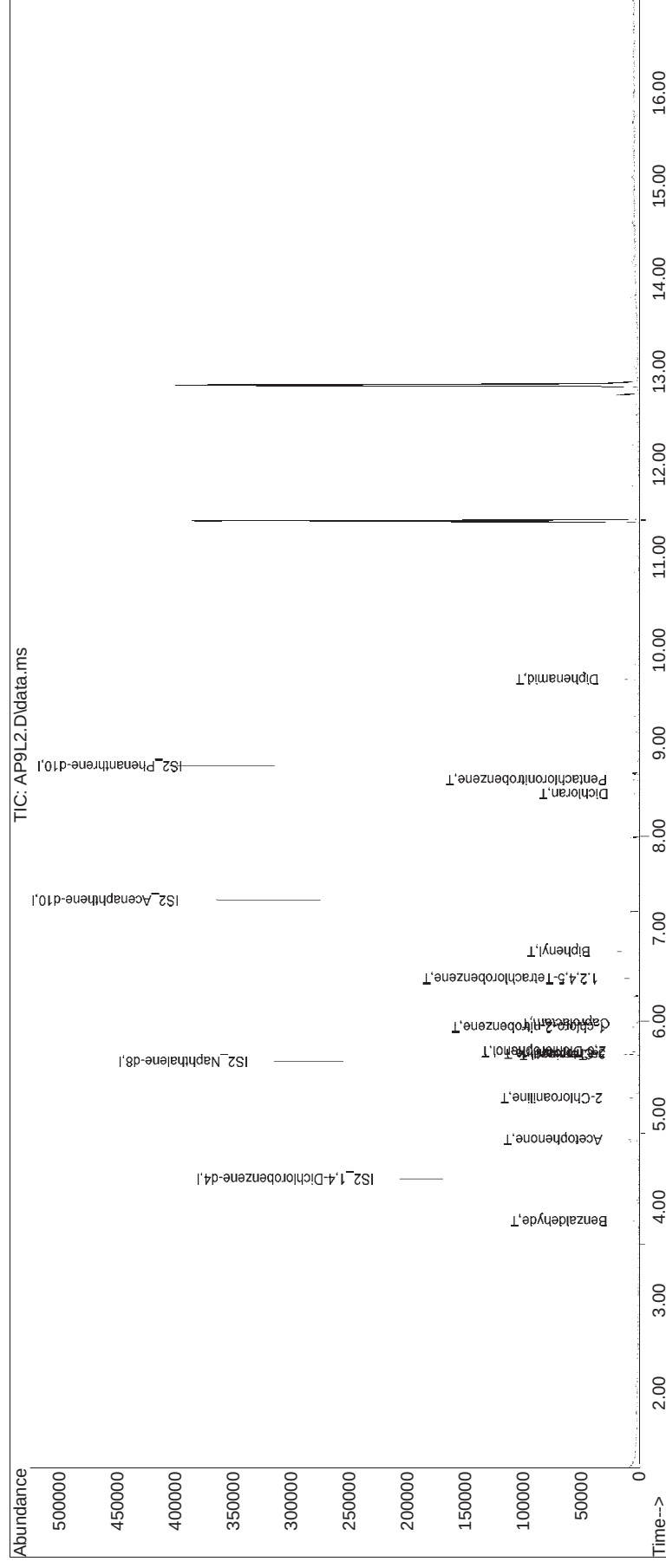
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L2.D
Acq On : 28 Aug 2025 2:45 am
Operator : SV106:smz
Sample : IL9,32,,AP9L0.2 Lot# 11930
Misc : WG2108428,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 10:48:11 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

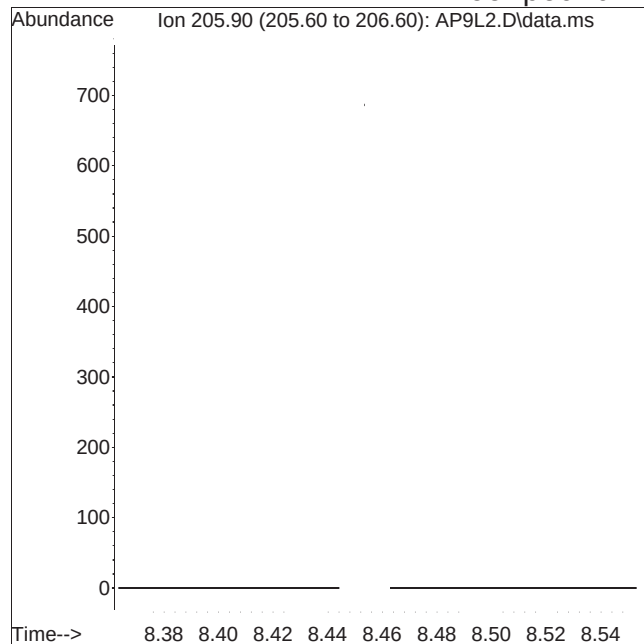
Sub List : AP9L2\8270\SV106\250827ICAL\AP9L6.D•



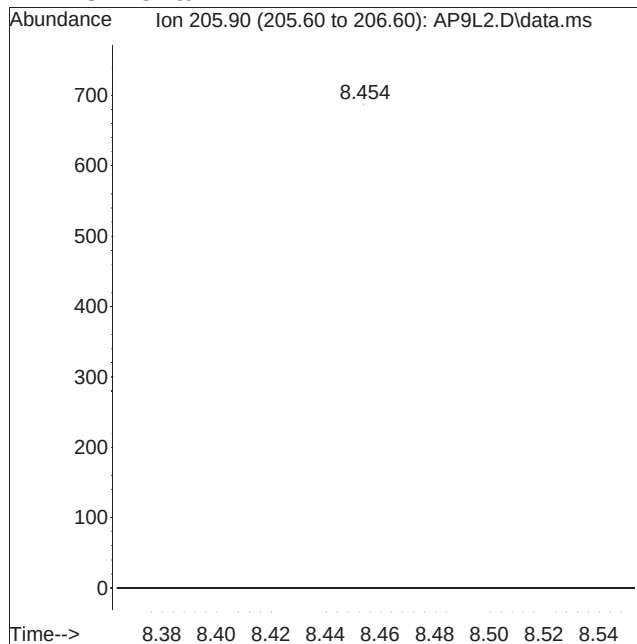
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:45 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11930 Quant Date : 8/28/2025 10:48 am

Compound #84: Dichloran



Original Peak Response = 0



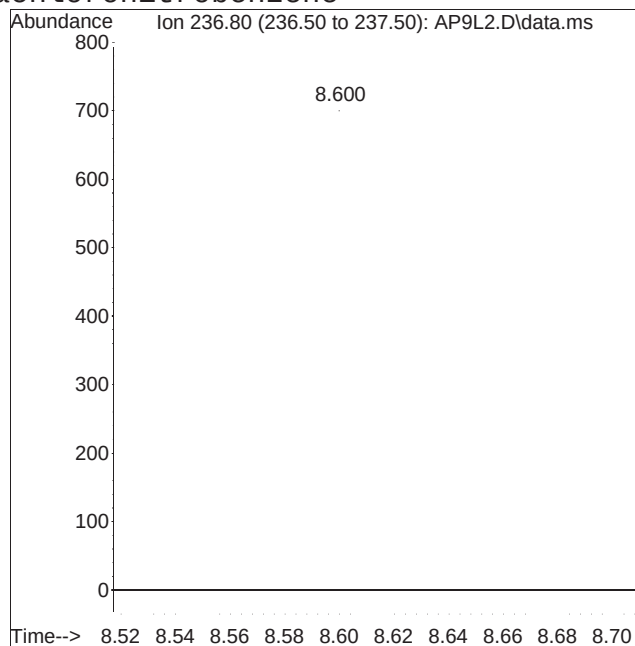
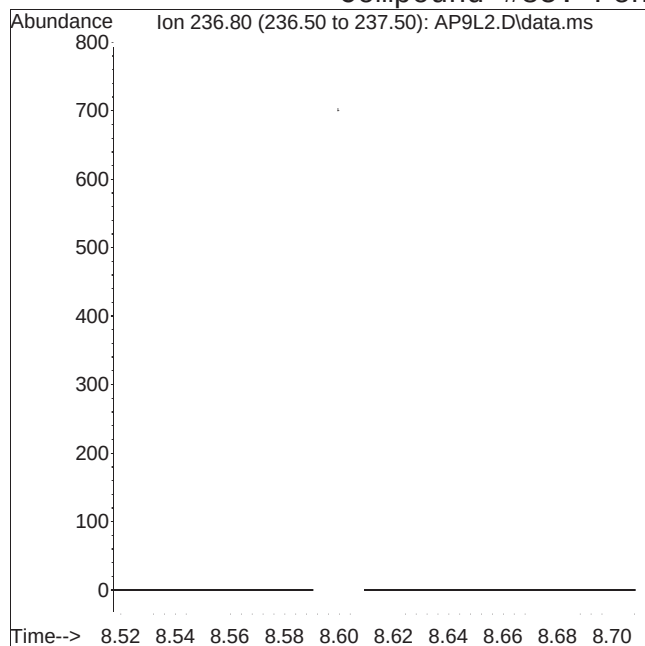
Manual Peak Response = 440 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:45 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11930 Quant Date : 8/28/2025 10:48 am

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0

Manual Peak Response = 389 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L1.D
 Acq On : 28 Aug 2025 3:07 am
 Operator : SV106:smz
 Sample : IL10,32,,AP9L0.1 Lot# 11931
 Misc : WG2108428,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 10:52:32 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31753	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	102.60%		
55) IS2_Naphthalene-d8	5.572	136	123256	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	100.68%		
83) IS2_Acenaphthene-d10	7.304	164	69755	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	98.66%		
98) IS2_Phenanthrene-d10	8.752	188	136809	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	96.11%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.860	105	538	0.105	ug/ml#	1
29) Acetophenone	4.730	105	1504	0.099	ug/ml#	39
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	5.178	127	1324	0.097	ug/ml#	42
56) a-Terpineol	5.644	59	804	0.098	ug/ml#	32
57) 3-Chloroaniline	0.000		0	N.D. d		
58) 2,6-Dichlorophenol	5.681	162	848	0.096	ug/ml#	49
59) 1-chloro-2-nitrobenzene	5.939	111	359M2	0.086	ug/ml	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	6.461	216	1202	0.105	ug/ml#	86
62) Biphenyl	6.760	154	3328	0.116	ug/ml	98
84) Dichloran	8.450	206	257M2	0.093	ug/ml	
85) Pentachloronitrobenzene	0.000		0	N.D. d		
99) Diphenamid	9.684	167	1543	0.093	ug/ml#	80

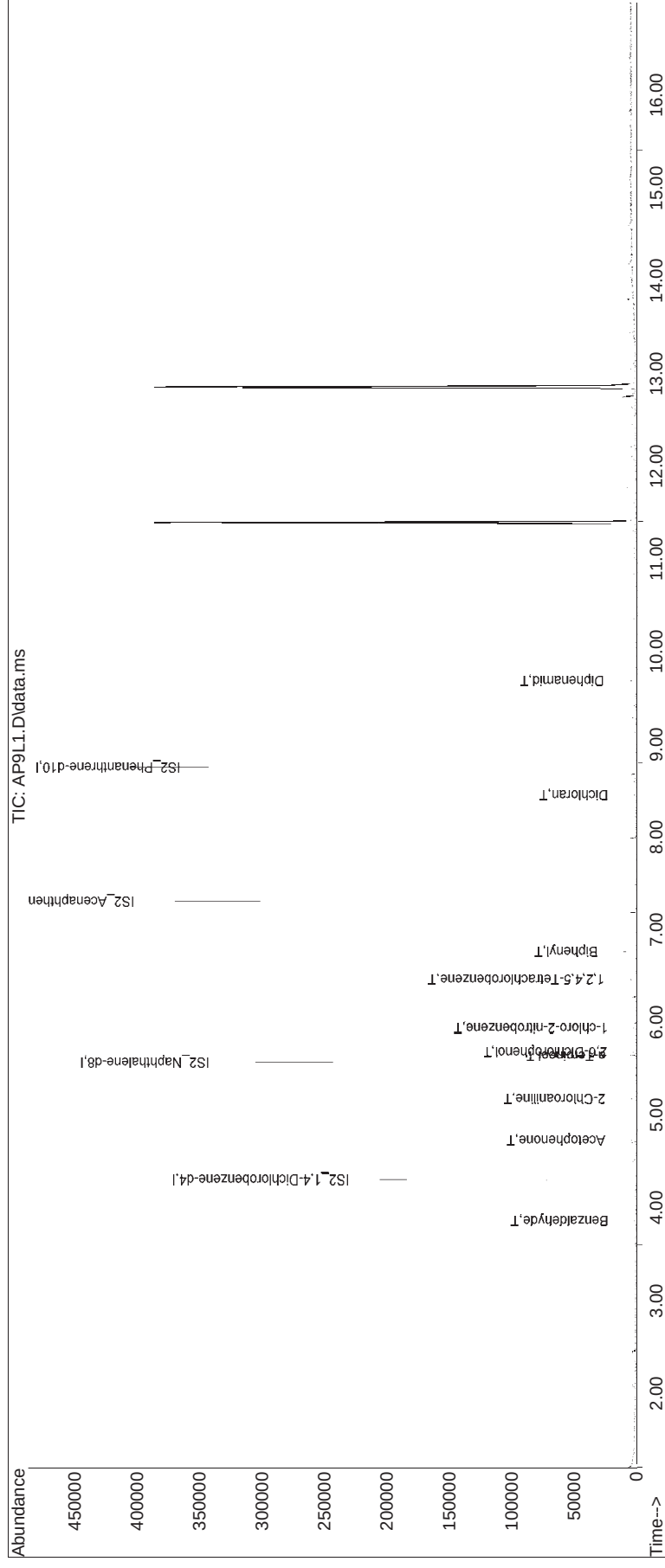
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L1.D
 Acq On : 28 Aug 2025 3:07 am
 Operator : SV106:smz
 Sample : IL10,32,,AP9L0.1 Lot# 11931
 Misc : WG2108428,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 10:52:32 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

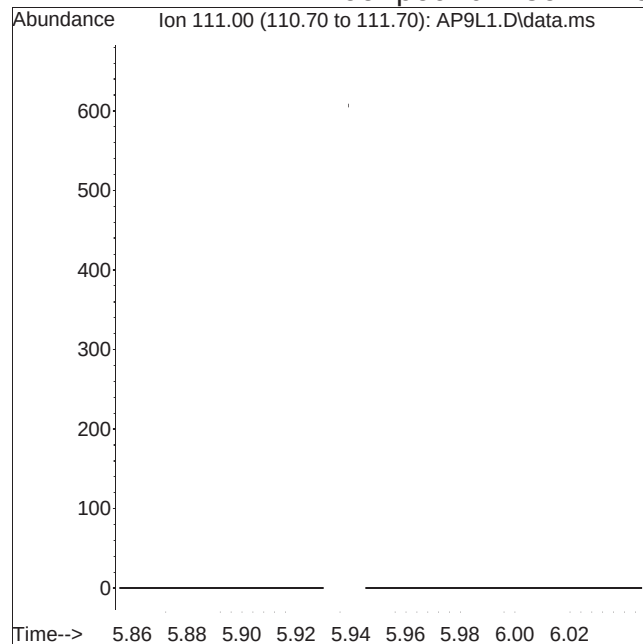
Sub List : **AP9L1\8270\AP9V106\250827ICAL\AP9L6.D•**



Manual Integration Report

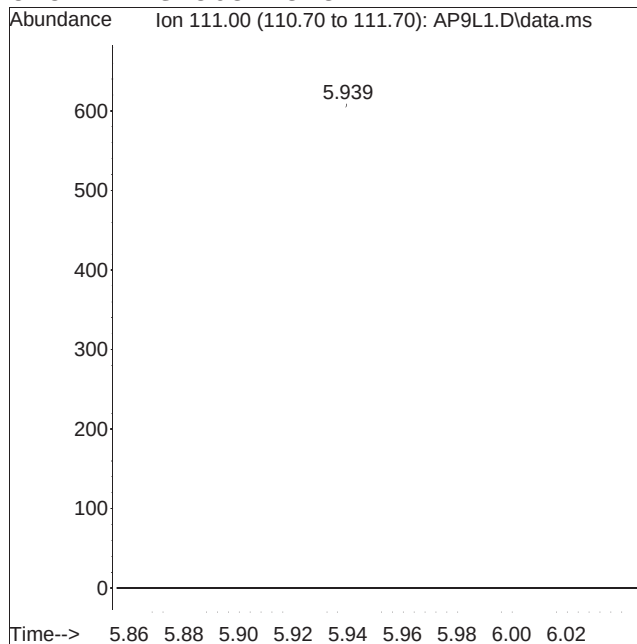
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:07 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1193

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

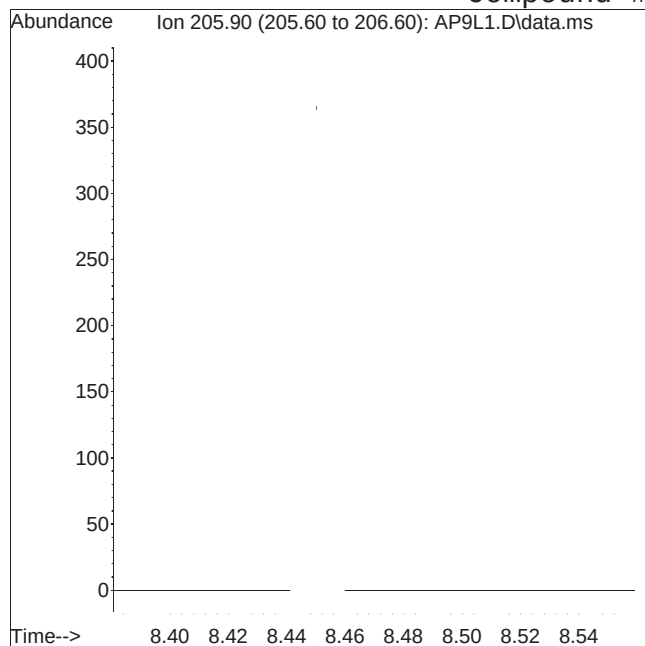


Manual Peak Response = 359 M2

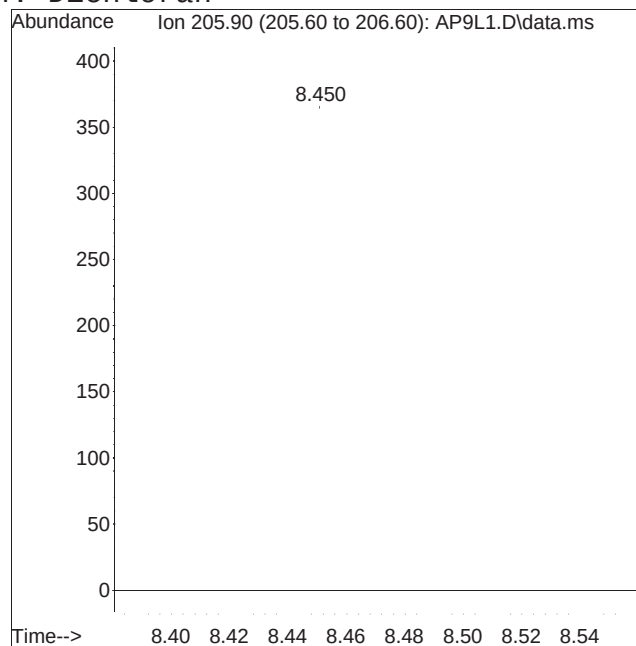
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:07 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1193

Compound #84: Dichloran



Original Peak Response = 0



Manual Peak Response = 257 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL9.D
 Acq On : 28 Aug 2025 3:28 am
 Operator : SV106:smz
 Sample : IL2,32,,ADPL50 Lot# 11903
 Misc : WG2108428,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 28 11:02:19 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31585	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	100.32%	
86) IS3_Acenaphthene-d10	7.304	164	72015	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	103.51%	
100) IS3_Phenanthrene-d10	8.752	188	148512	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	106.21%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.358	88	174690	46.407	ug/ml#	78
34) n-Decane	4.211	57	562885	49.185	ug/ml#	41
87) Atrazine	8.556	200	402666	60.133	ug/ml	94
101) n-Octadecane	8.764	57	917492	51.499	ug/ml#	1
102) Parathion	9.573	109	280896	51.384	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.850	212	1749288	49.759	ug/ml	99

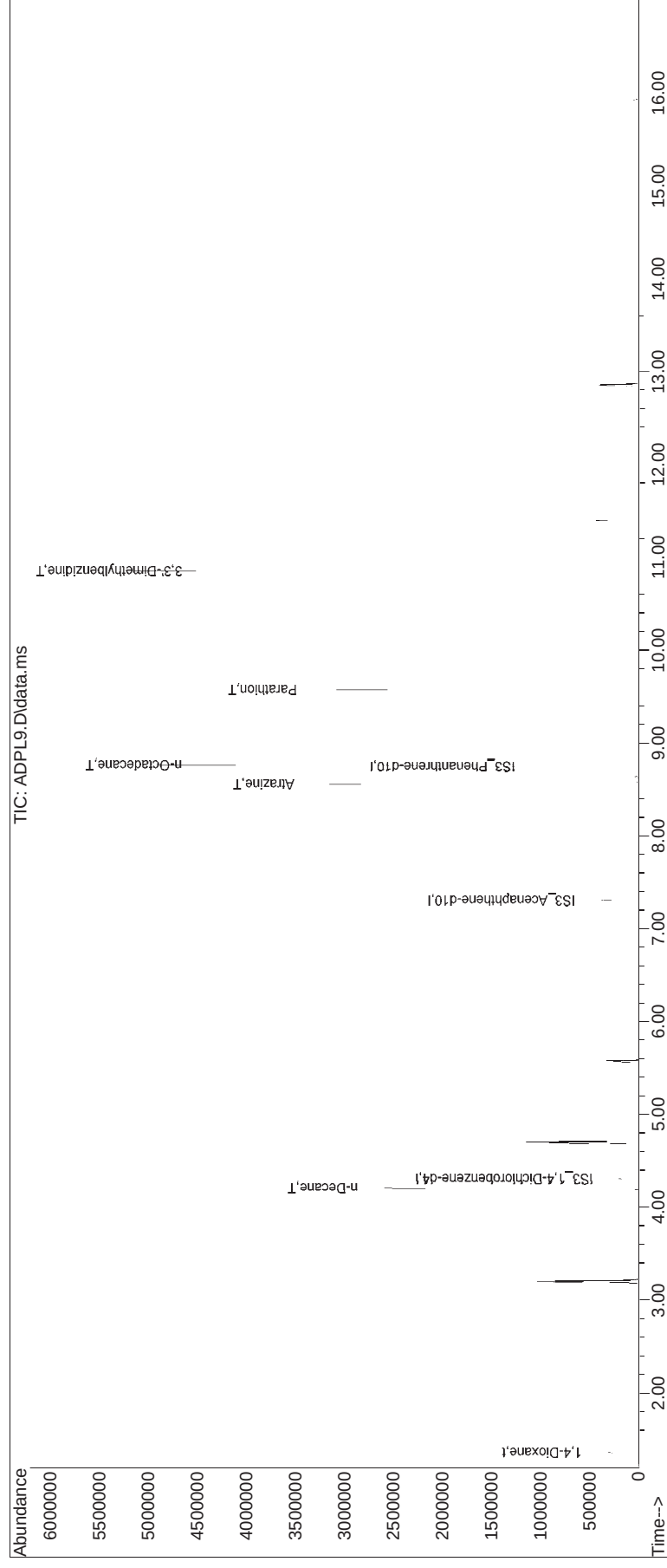
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL9.D
 Acq On : 28 Aug 2025 3:28 am
 Operator : SV106:smz
 Sample : IL2,32,,ADPL50 Lot# 11903
 Misc : WG2108428,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 28 11:02:19 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL9.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:28 am Instrument : SV 106
Sample : IL2,32,,ADPL50 Lot# 11903 Quant Date : 8/28/2025 11:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL8.D
 Acq On : 28 Aug 2025 3:50 am
 Operator : SV106:smz
 Sample : IL3,32,,ADPL25 Lot# 11904
 Misc : WG2108428,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 28 11:02:08 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31153	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	98.95%	
86) IS3_Acenaphthene-d10	7.304	164	69196	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	99.46%	
100) IS3_Phenanthrene-d10	8.752	188	140591	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	100.55%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.351	88	89165	24.016	ug/ml#	78
34) n-Decane	4.208	57	289950	25.687	ug/ml#	40
87) Atrazine	8.550	200	193884	30.134	ug/ml	94
101) n-Octadecane	8.764	57	460307	27.293	ug/ml#	1
102) Parathion	9.566	109	130607	25.599	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.847	212	847608	26.157	ug/ml	99

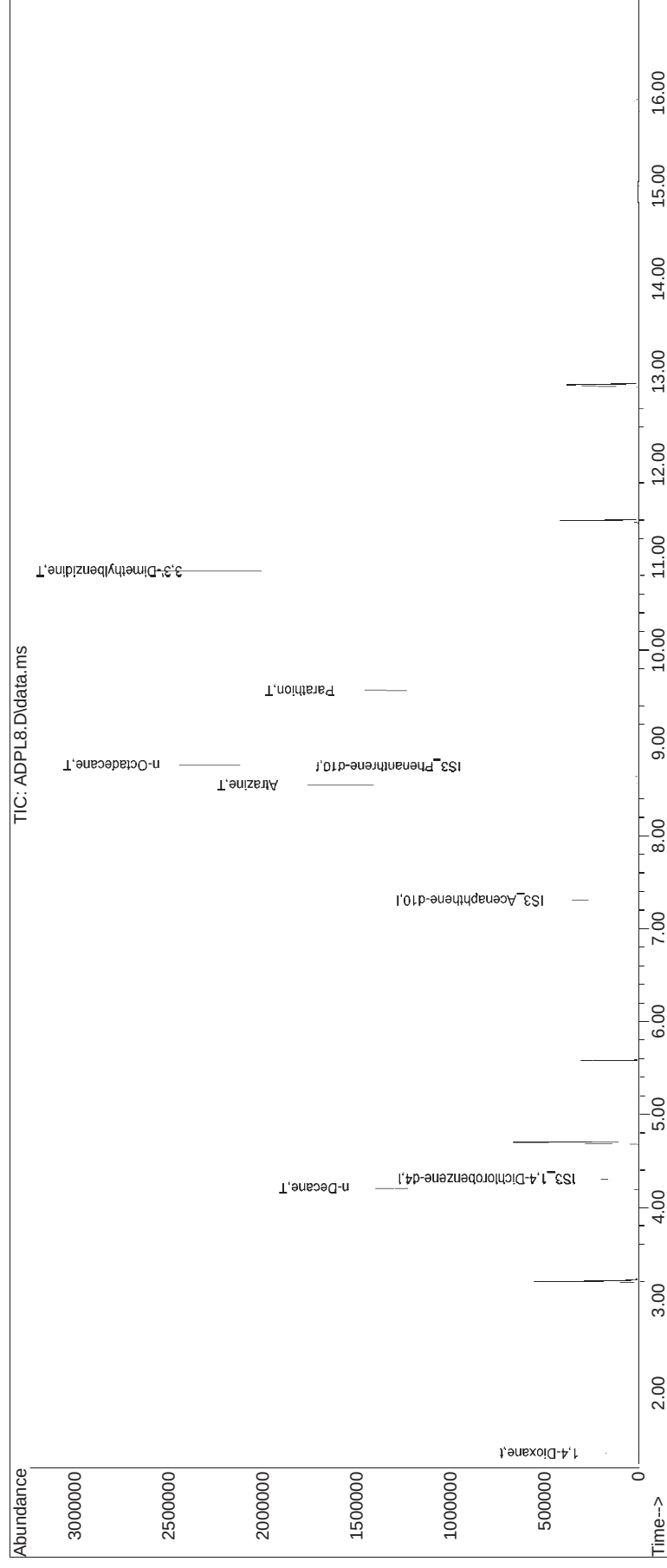
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL8.D
Acq On : 28 Aug 2025 3:50 am
Operator : SV106:smz
Sample : IL3,32,,ADPL25 Lot# 11904
Misc : WG2108428,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 28 11:02:08 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL8.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:50 am Instrument : SV 106
Sample : IL3,32,,ADPL25 Lot# 11904 Quant Date : 8/28/2025 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL7.D
 Acq On : 28 Aug 2025 4:11 am
 Operator : SV106:smz
 Sample : IL4,32,,ADPL10 Lot# 11905
 Misc : WG2108428,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 28 11:01:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	33610	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	106.75%	
86) IS3_Acenaphthene-d10	7.304	164	73698	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	105.93%	
100) IS3_Phenanthrene-d10	8.752	188	150214	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	107.43%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	35778	8.932	ug/ml#	79
34) n-Decane	4.208	57	114805	9.427	ug/ml#	40
87) Atrazine	8.544	200	72027	10.511	ug/ml	94
101) n-Octadecane	8.761	57	184423	10.234	ug/ml#	1
102) Parathion	9.566	109	44333	8.616	ug/ml	97
103) 3,3'-Dimethylbenzidine	10.844	212	281581	9.104	ug/ml	99

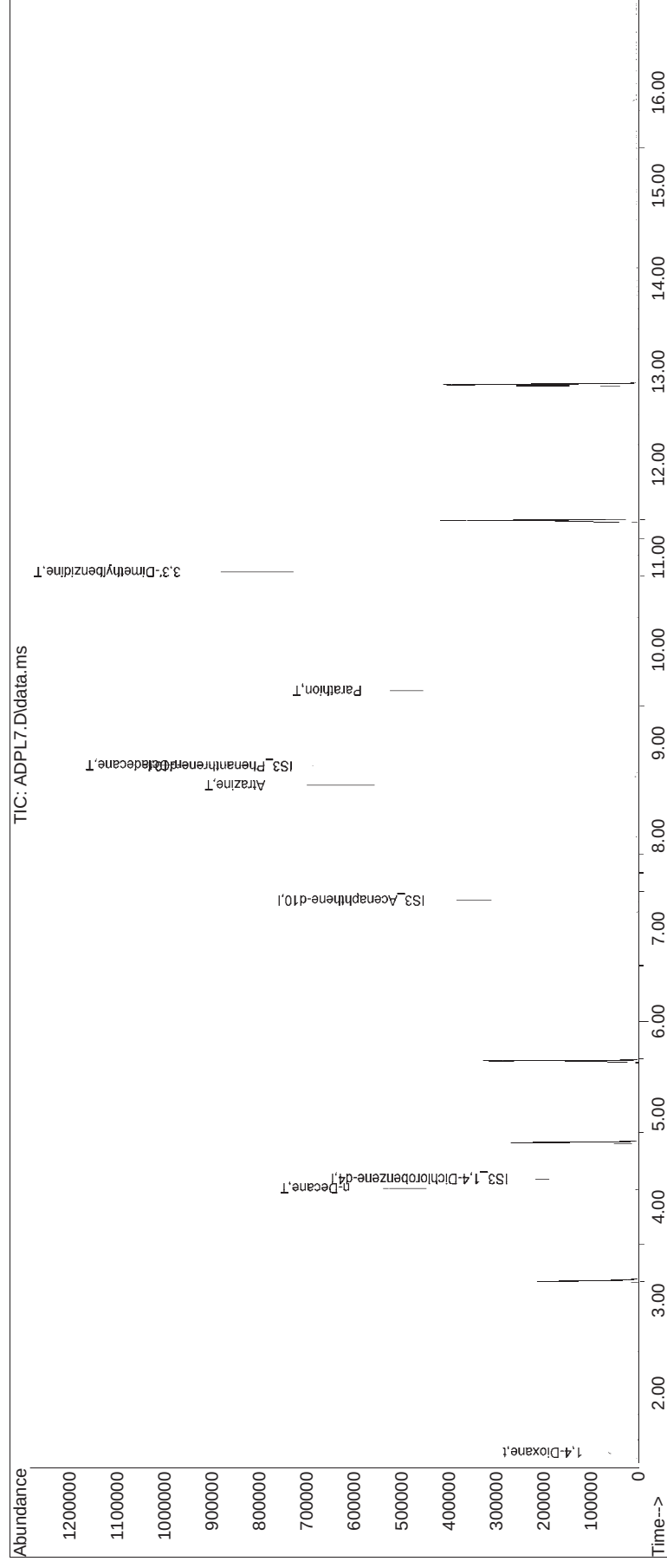
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL7.D
 Acq On : 28 Aug 2025 4:11 am
 Operator : SV106:smz
 Sample : IL4,32,,ADPL10 Lot# 11905
 Misc : WG2108428,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 28 11:01:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL7.D Operator : SV106:smz
Date Inj'd : 8/28/2025 4:11 am Instrument : SV 106
Sample : IL4,32,,ADPL10 Lot# 11905 Quant Date : 8/28/2025 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL6.D
 Acq On : 28 Aug 2025 4:32 am
 Operator : SV106:smz
 Sample : IL5,32,,ADPL5 Lot# 11906
 Misc : WG2108428,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 28 11:01:22 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31485	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	100.00%	
86) IS3_Acenaphthene-d10	7.304	164	69570	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	100.00%	
100) IS3_Phenanthrene-d10	8.752	188	139824	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.355	88	17792	4.742	ug/ml#	80
34) n-Decane	4.208	57	55937	4.903	ug/ml#	39
87) Atrazine	8.544	200	32791	5.069	ug/ml	93
101) n-Octadecane	8.761	57	85590	5.103	ug/ml#	1
102) Parathion	9.566	109	18787	4.309	ug/ml	96
103) 3,3'-Dimethylbenzidine	10.844	212	112678	4.718	ug/ml	99

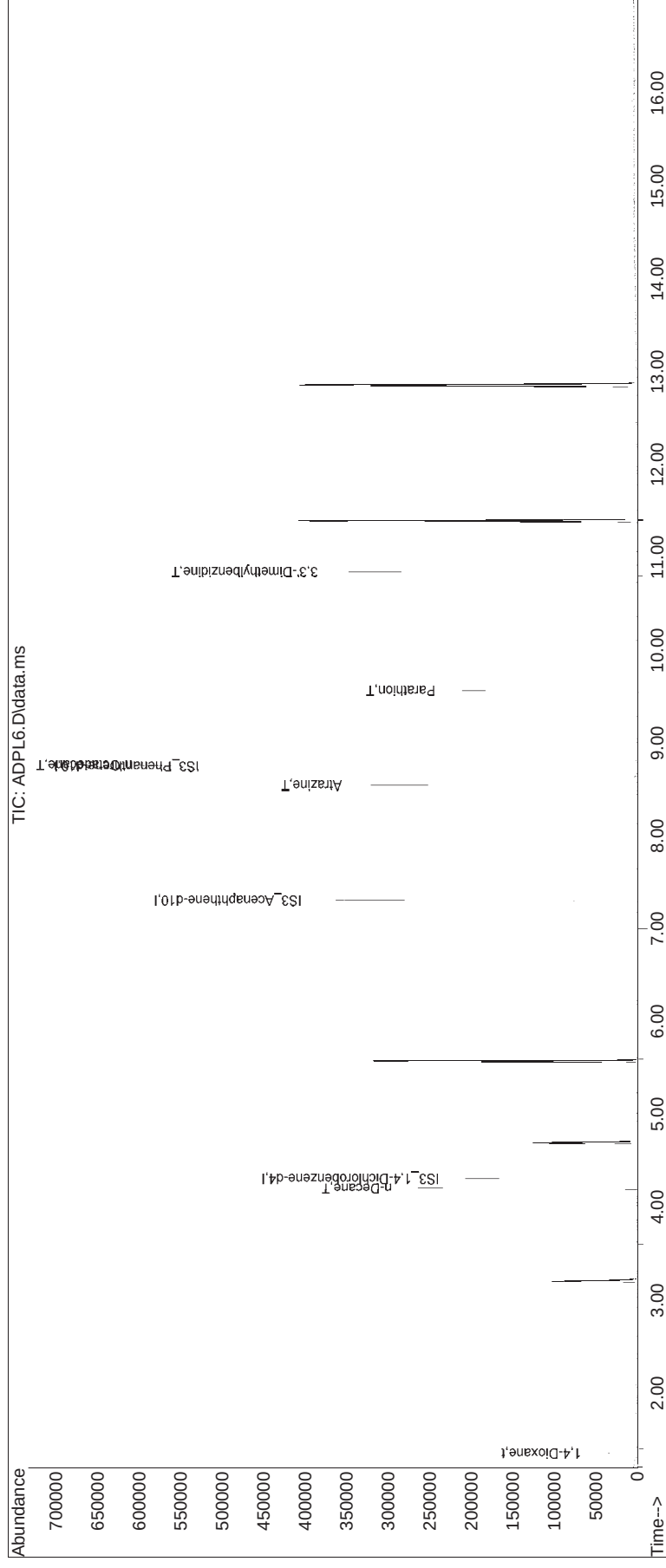
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL6.D
 Acq On : 28 Aug 2025 4:32 am
 Operator : SV106:smz
 Sample : IL5,32,,ADPL5 Lot# 11906
 Misc : WG2108428,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 28 11:01:22 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL6.D Operator : SV106:smz
Date Inj'd : 8/28/2025 4:32 am Instrument : SV 106
Sample : IL5,32,,ADPL5 Lot# 11906 Quant Date : 8/28/2025 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL5.D
 Acq On : 28 Aug 2025 4:54 am
 Operator : SV106:smz
 Sample : IL6,32,,ADPL2.5 Lot# 11907
 Misc : WG2108428,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 28 11:01:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32740	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	103.99%	
86) IS3_Acenaphthene-d10	7.304	164	72755	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	104.58%	
100) IS3_Phenanthrene-d10	8.752	188	144048	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	103.02%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.352	88	9419	2.414	ug/ml#	81
34) n-Decane	4.208	57	28825	2.430	ug/ml#	37
87) Atrazine	8.541	200	16094	2.379	ug/ml	93
101) n-Octadecane	8.761	57	41584	2.406	ug/ml#	1
102) Parathion	9.566	109	8440	2.278	ug/ml	99
103) 3,3'-Dimethylbenzidine	10.841	212	47430	2.761	ug/ml	99

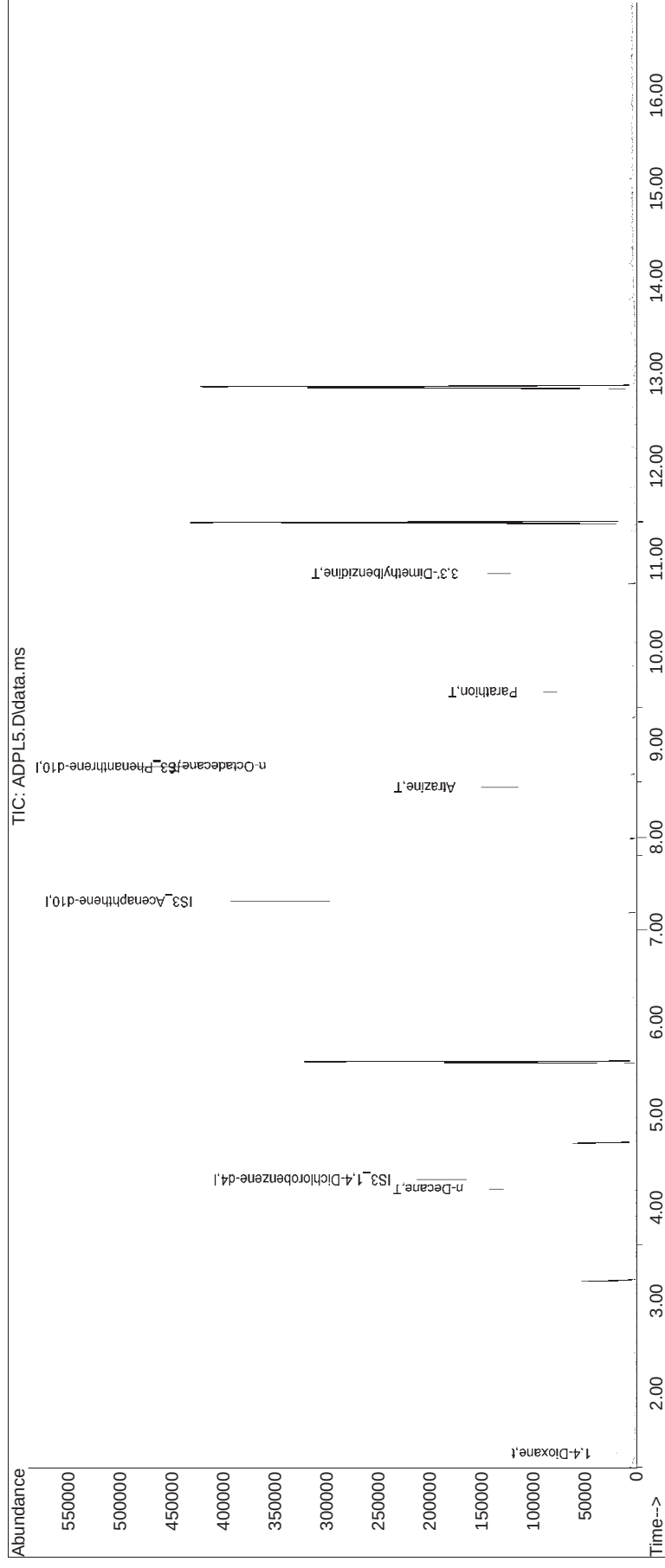
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL5.D
 Acq On : 28 Aug 2025 4:54 am
 Operator : SV106:smz
 Sample : IL6,32,,ADPL2.5 Lot# 11907
 Misc : WG2108428,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 28 11:01:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL5.D Operator : SV106:smz
Date Inj'd : 8/28/2025 4:54 am Instrument : SV 106
Sample : IL6,32,,ADPL2.5 Lot# 11907 Quant Date : 8/28/2025 11:01 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL4.D
 Acq On : 28 Aug 2025 5:15 am
 Operator : SV106:smz
 Sample : IL7,32,,ADPL1 Lot# 11908
 Misc : WG2108428,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 28 11:01:00 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32852	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	104.34%	
86) IS3_Acenaphthene-d10	7.304	164	73562	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	105.74%	
100) IS3_Phenanthrene-d10	8.752	188	146637	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	104.87%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	4064	1.038	ug/ml#	78
34) n-Decane	4.211	57	11730	0.985	ug/ml#	38
87) Atrazine	8.541	200	6280	0.918	ug/ml	94
101) n-Octadecane	8.761	57	16833	0.957	ug/ml#	1
102) Parathion	9.563	109	3311	1.314	ug/ml	95
103) 3,3'-Dimethylbenzidine	10.841	212	12923	1.772	ug/ml	99

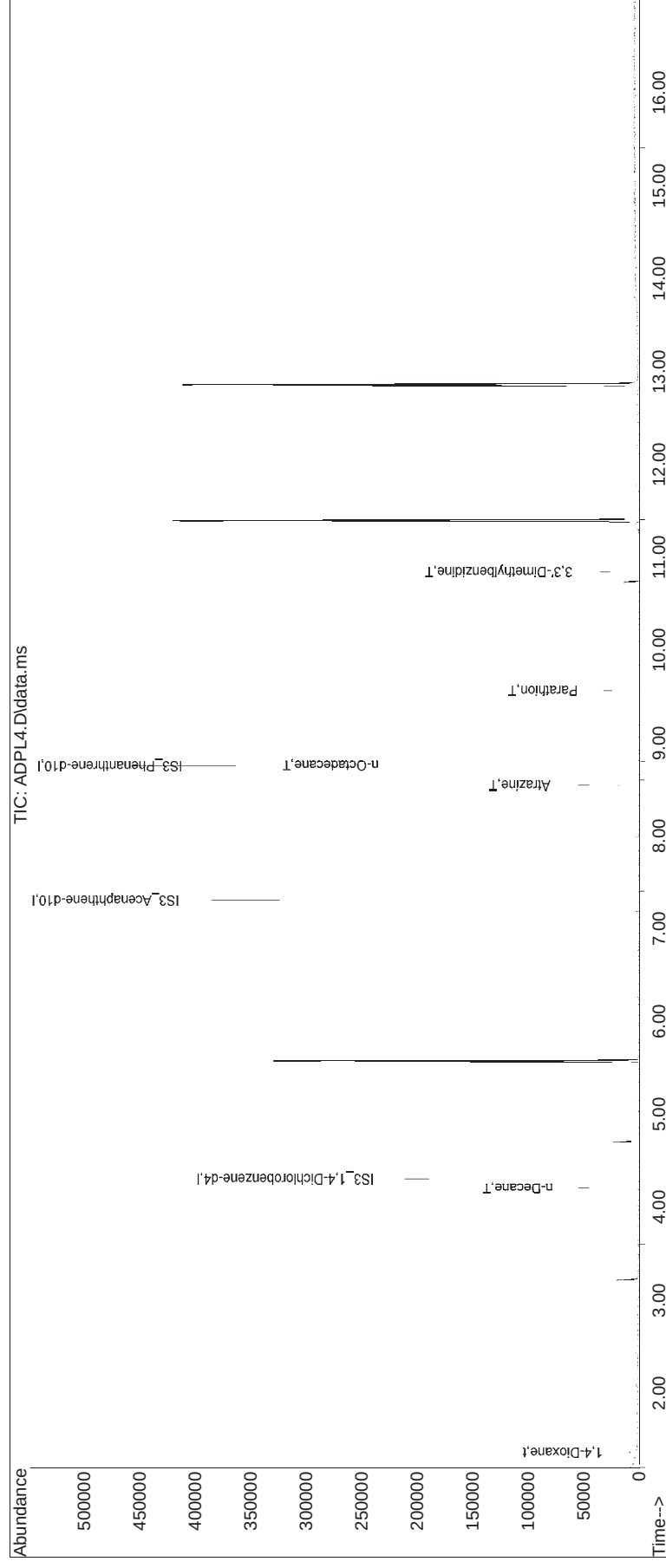
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL4.D
Acq On : 28 Aug 2025 5:15 am
Operator : SV106:smz
Sample : IL7,32,,ADPL1 Lot# 11908
Misc : WG2108428,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 28 11:01:00 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL4.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 5:15 am	Instrument	: SV 106
Sample	: IL7,32,,ADPL1 Lot# 11908	Quant Date	: 8/28/2025 11:01 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL3.D
 Acq On : 28 Aug 2025 5:36 am
 Operator : SV106:smz
 Sample : IL8,32,,ADPL0.5 Lot# 11909
 Misc : WG2108428,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 28 11:00:50 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32239	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	102.39%	
86) IS3_Acenaphthene-d10	7.303	164	71685	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	103.04%	
100) IS3_Phenanthrene-d10	8.752	188	143054	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	102.31%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.354	88	1913M1	0.498	ug/ml	
34) n-Decane	4.208	57	5982	0.512	ug/ml#	39
87) Atrazine	8.540	200	3093	0.464	ug/ml	92
101) n-Octadecane	8.761	57	8380	0.488	ug/ml#	1
102) Parathion	9.563	109	1693	1.026	ug/ml	89
103) 3,3'-Dimethylbenzidine	10.840	212	2910	1.493	ug/ml#	62

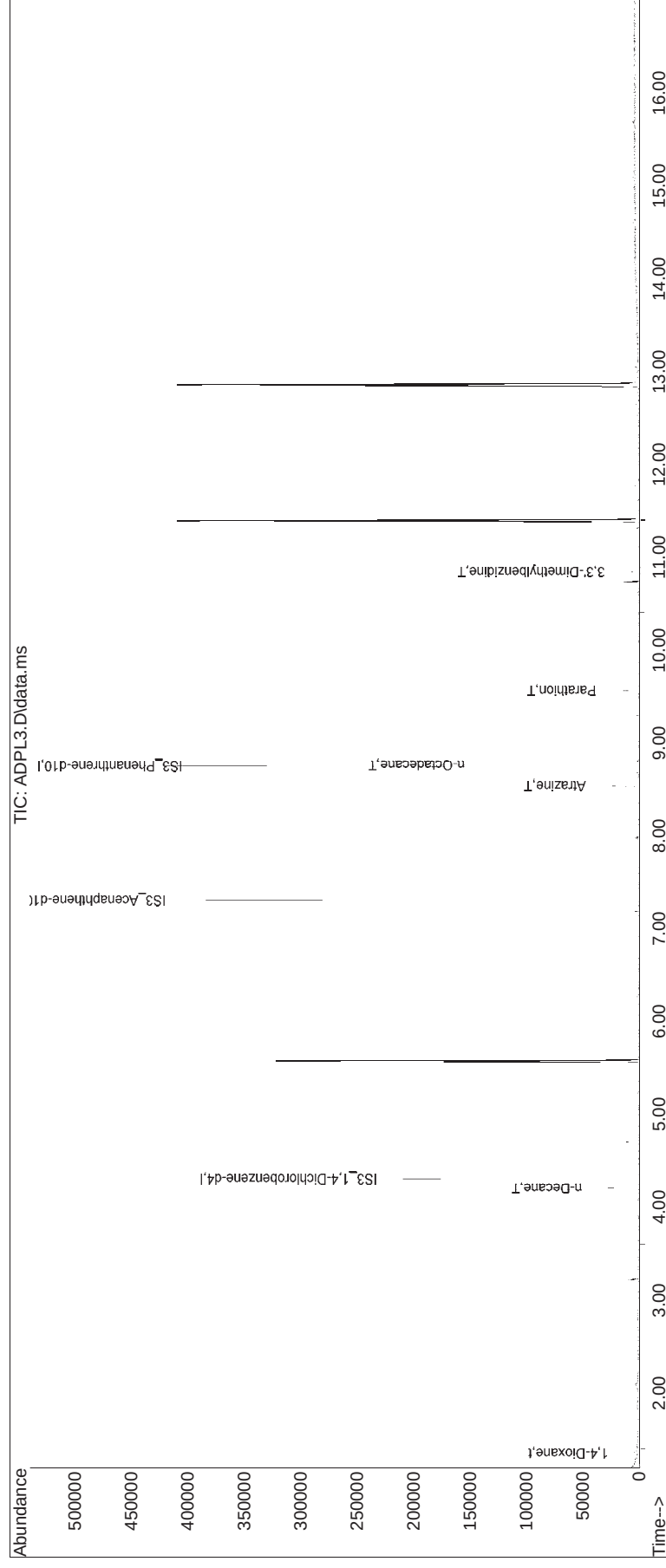
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL3.D
Acq On : 28 Aug 2025 5:36 am
Operator : SV106:smz
Sample : IL8,32,,ADPL0.5 Lot# 11909
Misc : WG2108428,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 28 11:00:50 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

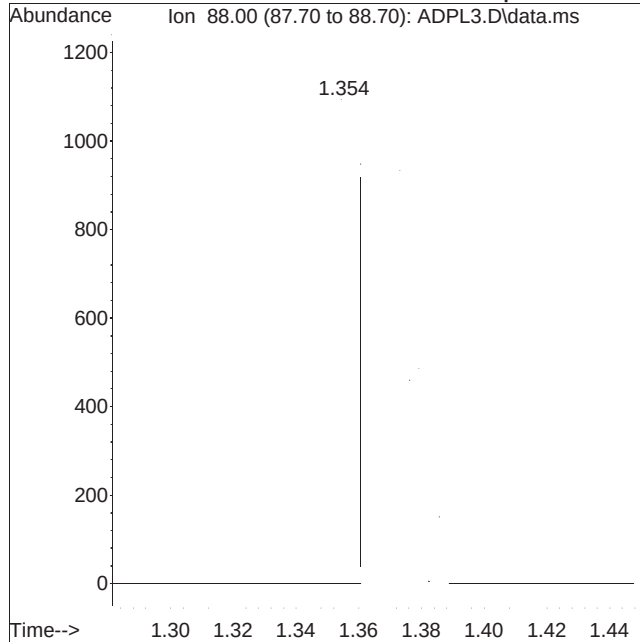
Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

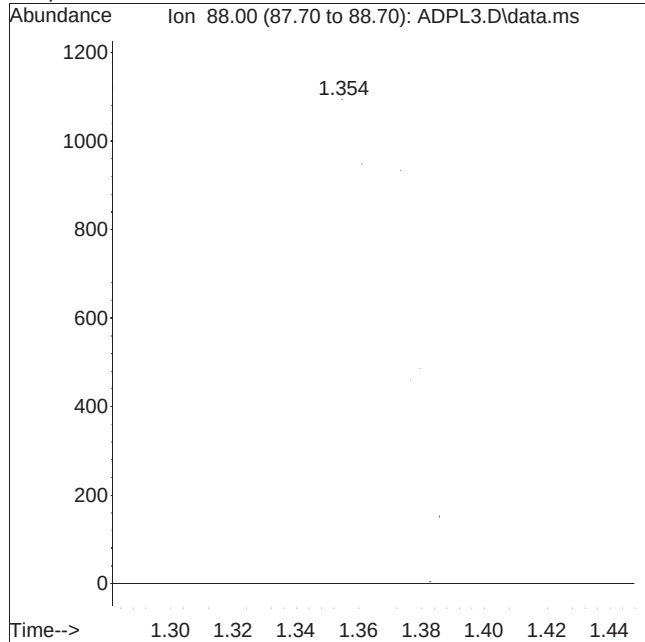
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL3.D Operator : SV106:smz
Date Inj'd : 8/28/2025 5:36 am Instrument : SV 106
Sample : IL8,32,,ADPL0.5 Lot# 11909 Quant Date : 8/28/2025 11:01 am

Compound #33: 1,4-Dioxane



Original Peak Response = 968

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 1913 M1

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL2.D
 Acq On : 28 Aug 2025 5:58 am
 Operator : SV106:smz
 Sample : IL9,32,,ADPL0.2 Lot# 11910
 Misc : WG2108428,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 28 11:00:39 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.301	152	32958	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	104.68%	
86) IS3_Acenaphthene-d10	7.304	164	74605	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	107.24%	
100) IS3_Phenanthrene-d10	8.752	188	147477	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	105.47%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	998	0.254	ug/ml#	82
34) n-Decane	4.208	57	2586	0.217	ug/ml#	41
87) Atrazine	8.541	200	1247	0.180	ug/ml#	69
101) n-Octadecane	8.761	57	3536	0.200	ug/ml#	1
102) Parathion	9.563	109	596	0.817	ug/ml#	68
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.		

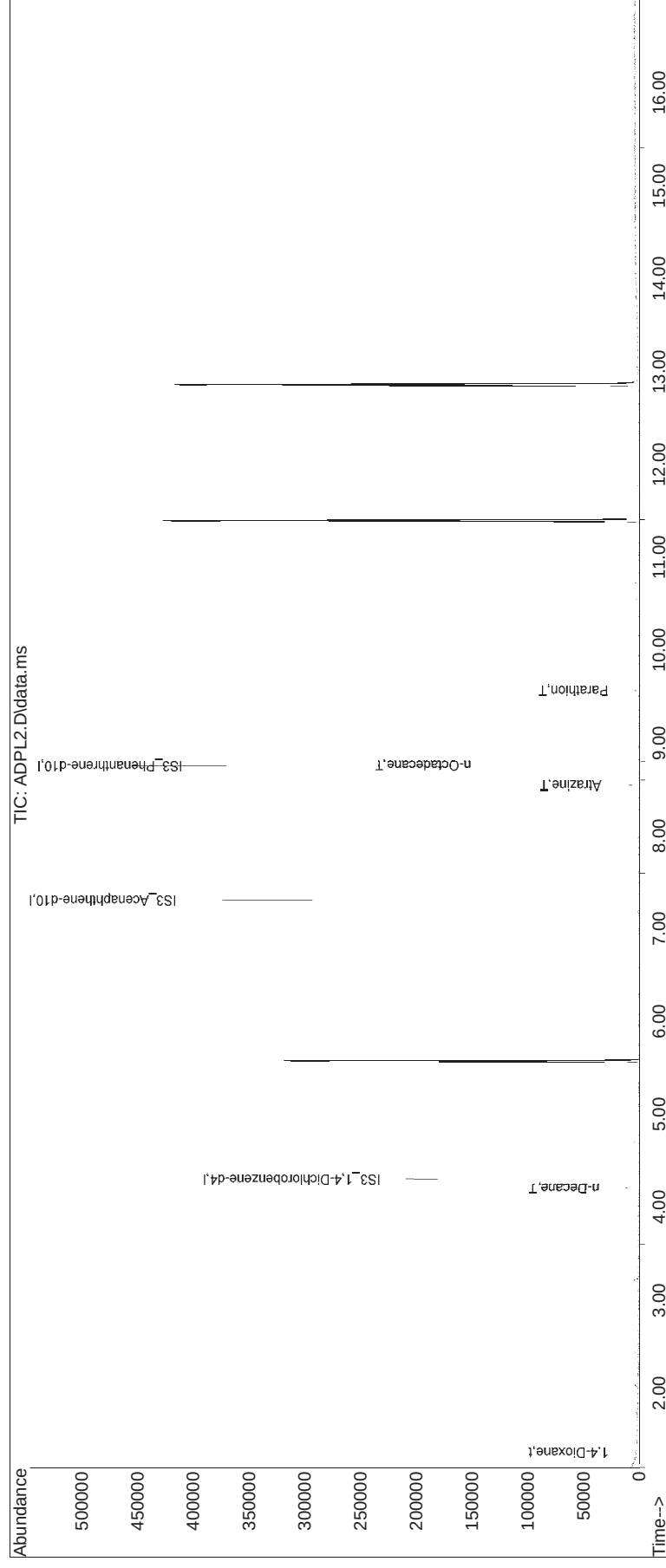
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL2.D
 Acq On : 28 Aug 2025 5:58 am
 Operator : SV106:smz
 Sample : IL9,32,,ADPL0.2 Lot# 11910
 Misc : WG2108428,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 28 11:00:39 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ~~ADPIL2.D~~ADPIL2.D\SV106R250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 5:58 am Instrument : SV 106
Sample : IL9,32,,ADPL0.2 Lot# 11910Quant Date : 8/28/2025 11:00 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL1.D
 Acq On : 28 Aug 2025 6:19 am
 Operator : SV106:smz
 Sample : IL10,32,,ADPL0.1 Lot# 11911
 Misc : WG2108428,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 28 10:59:58 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	33445	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	106.23%	
86) IS3_Acenaphthene-d10	7.304	164	74969	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	107.76%	
100) IS3_Phenanthrene-d10	8.752	188	149354	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	106.82%	

System Monitoring Compounds

Target Compounds					Qvalue
33) 1,4-Dioxane	0.000		0	N.D.	
34) n-Decane	4.208	57	1213	0.100 ug/ml#	38
87) Atrazine	8.541	200	579	0.083 ug/ml#	33
101) n-Octadecane	8.761	57	1682	0.094 ug/ml#	1
102) Parathion	0.000		0	N.D.	
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.	

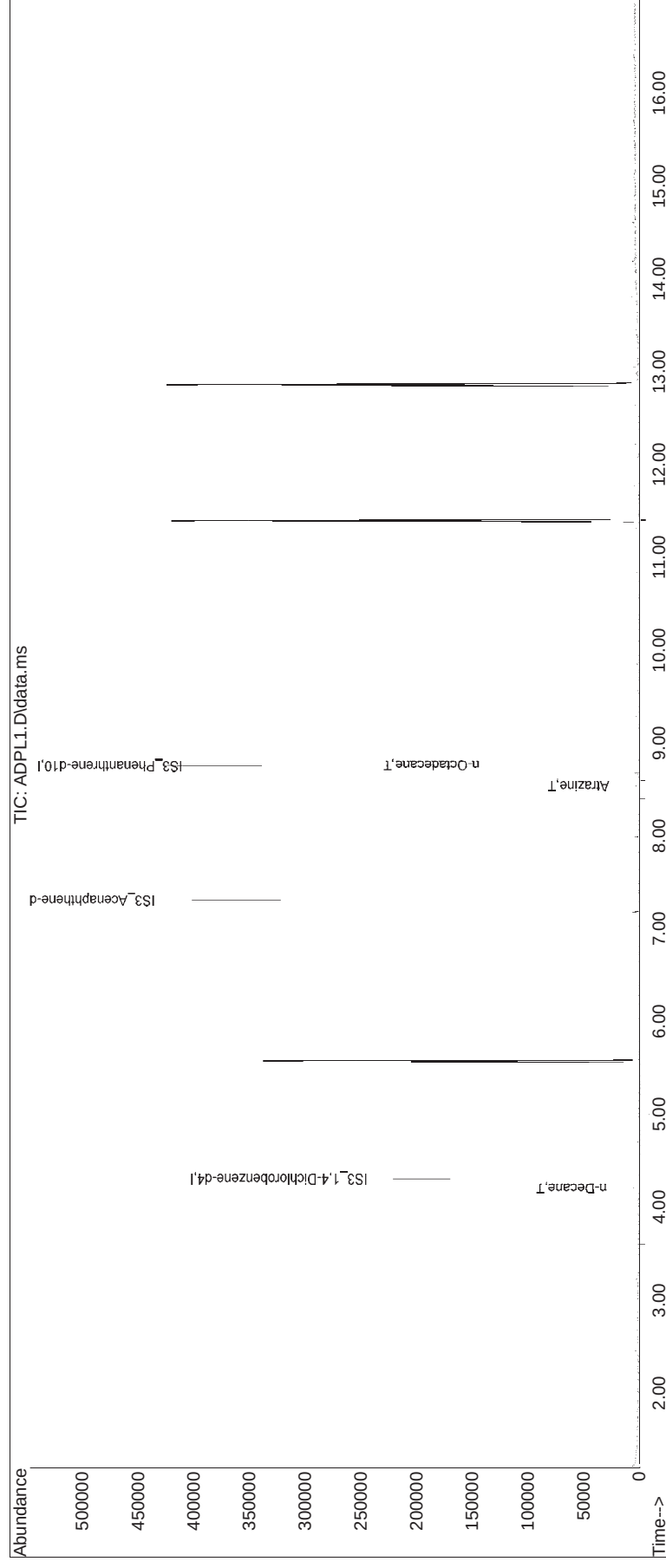
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL1.D
 Acq On : 28 Aug 2025 6:19 am
 Operator : SV106:smz
 Sample : IL10,32,,ADPL0.1 Lot# 11911
 Misc : WG2108428,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 28 10:59:58 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 6:19 am Instrument : SV 106
Sample : IL10,32,,ADPL0.1 Lot# 1191

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9ICV.D
 Acq On : 28 Aug 2025 6:40 am
 Operator : SV106:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108428,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
28 T	Benzaldehyde	0.645	0.666	-3.3	98	0.00
29 T	Acetophenone	1.905	1.855	2.6	93	0.00
30 T	m-Toluidine	1.123	1.230	-9.5	95	0.00
31 T	2-Chloroaniline	1.724	1.729	-0.3	93	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	95	0.00
56 T	a-Terpineol	0.267	0.244	8.6	87	0.00
57 T	3-Chloroaniline	0.114	0.118	-3.5	91	0.00
58 T	2,6-Dichlorophenol	0.285	0.274	3.9	90	0.00
59 T	1-chloro-2-nitrobenzene	0.135	0.130	3.7	90	0.00
60 T	Caprolactam	0.142	0.137	3.5	88	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.373	0.358	4.0	93	0.00
62 T	Biphenyl	0.931	0.893	4.1	93	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	95	0.00
84 T	Dichloran	0.158	0.147	7.0	87	0.00
85 T	Pentachloronitrobenzene	0.154	0.152	1.3	88	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	95	0.00
99 T	Diphenamid	0.487	0.493	-1.2	92	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9ICV.D
 Acq On : 28 Aug 2025 6:40 am
 Operator : SV106:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108428,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	29013	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	93.74%		
55) IS2_Naphthalene-d8	5.572	136	115892	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	94.67%		
83) IS2_Acenaphthene-d10	7.304	164	67184	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	95.03%		
98) IS2_Phenanthrene-d10	8.752	188	135766	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	95.38%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	24138	5.160	ug/ml	91
29) Acetophenone	4.724	105	67278	4.869	ug/ml#	81
30) m-Toluidine	4.811	106	44605	5.478	ug/ml	96
31) 2-Chloroaniline	5.175	127	62713	5.016	ug/ml#	90
56) a-Terpineol	5.644	59	35384	4.573	ug/ml#	79
57) 3-Chloroaniline	5.653	65	17114	5.162	ug/ml	87
58) 2,6-Dichlorophenol	5.678	162	39717	4.807	ug/ml#	84
59) 1-chloro-2-nitrobenzene	5.936	111	18837	4.825	ug/ml#	1
60) Caprolactam	5.976	55	19888	4.842	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	51803	4.792	ug/ml	97
62) Biphenyl	6.760	154	129304	4.794	ug/ml	98
84) Dichloran	8.454	206	12363	4.648	ug/ml#	70
85) Pentachloronitrobenzene	8.600	237	12733	4.911	ug/ml#	85
99) Diphenamid	9.688	167	83713	5.067	ug/ml#	80

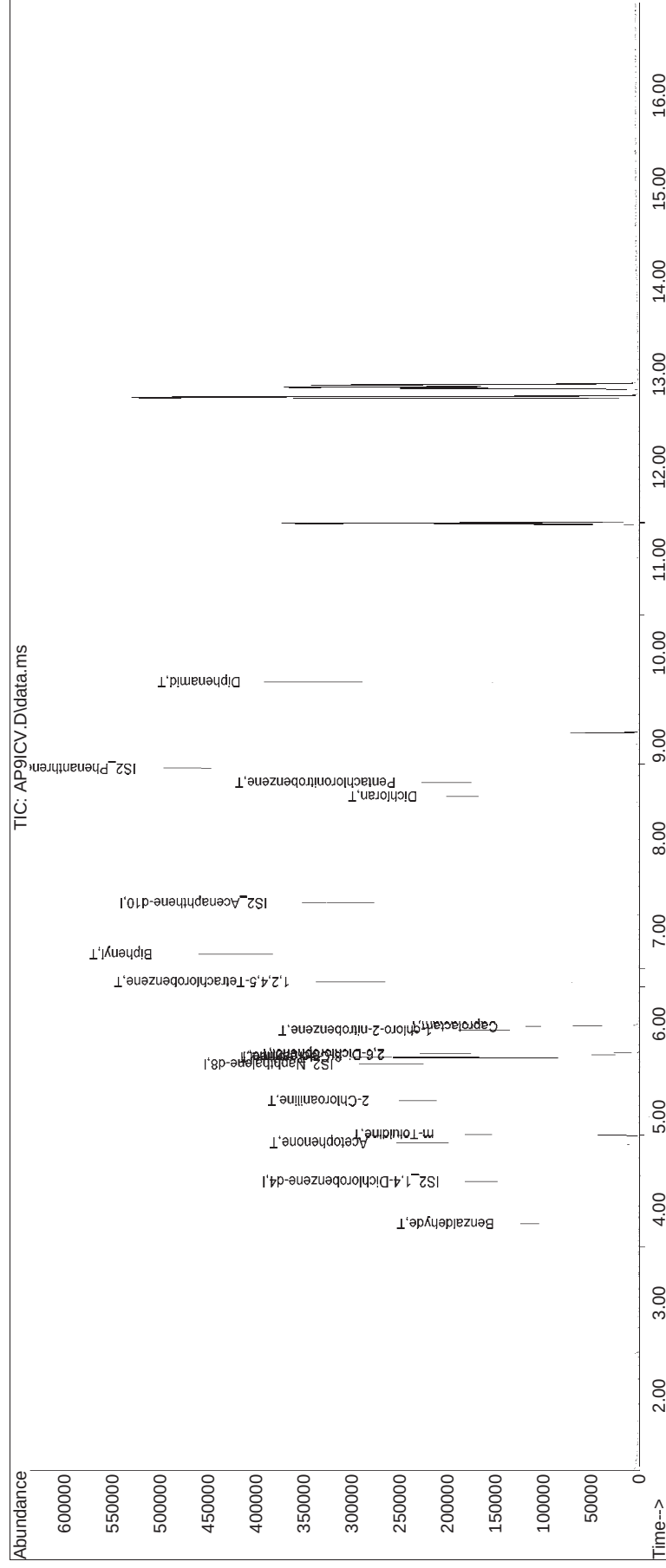
(#) = qualifier out of range (m) = manual integration (+) = signals summed

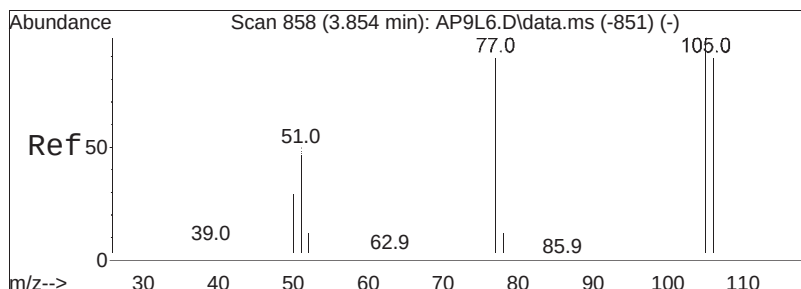
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9ICV.D
 Acq On : 28 Aug 2025 6:40 am
 Operator : SV106:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108428,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : **AP9ICV\8270\SV106\250827ICAL\AP9L6.D•**





#28

Benzaldehyde

Concen: 5.16 ug/ml

RT: 3.854 min Scan# 858

Delta R.T. -0.000 min

Lab File: AP9ICV.D

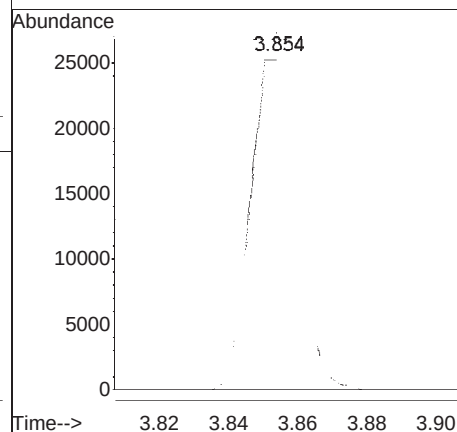
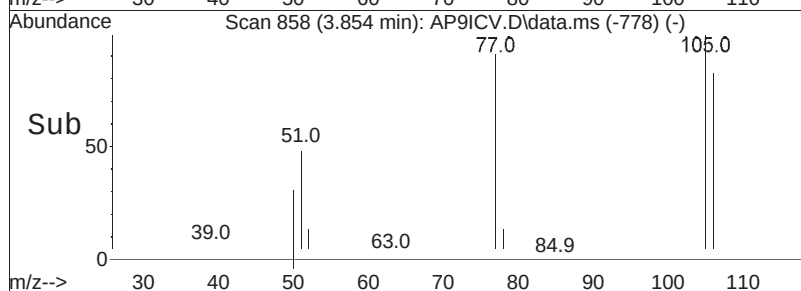
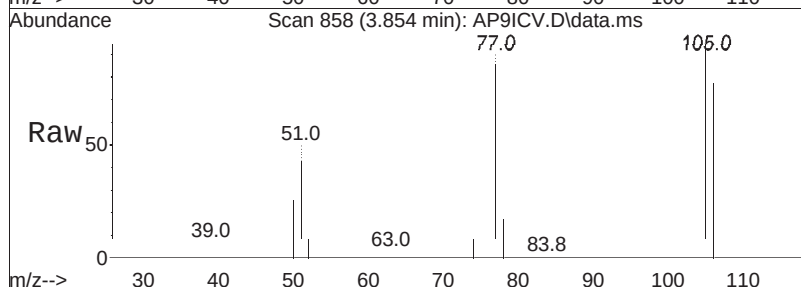
Acq: 28 Aug 2025 6:40 am

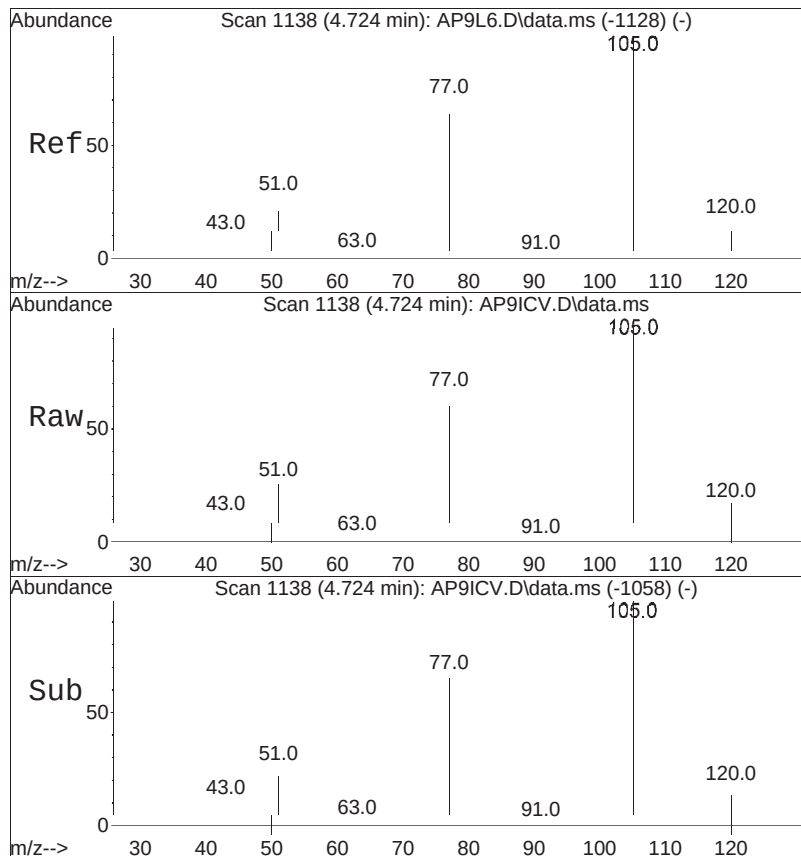
Tgt Ion:105 Resp: 24138

Ion Ratio Lower Upper

105 100

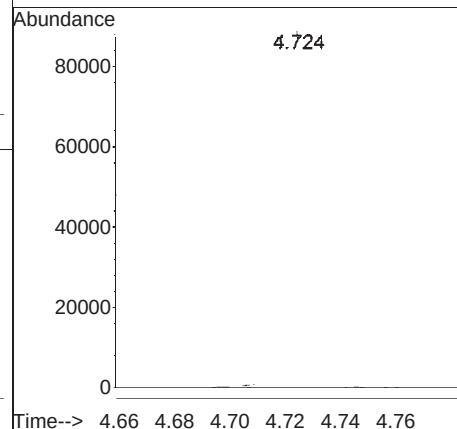
77 93.4 82.2 123.4

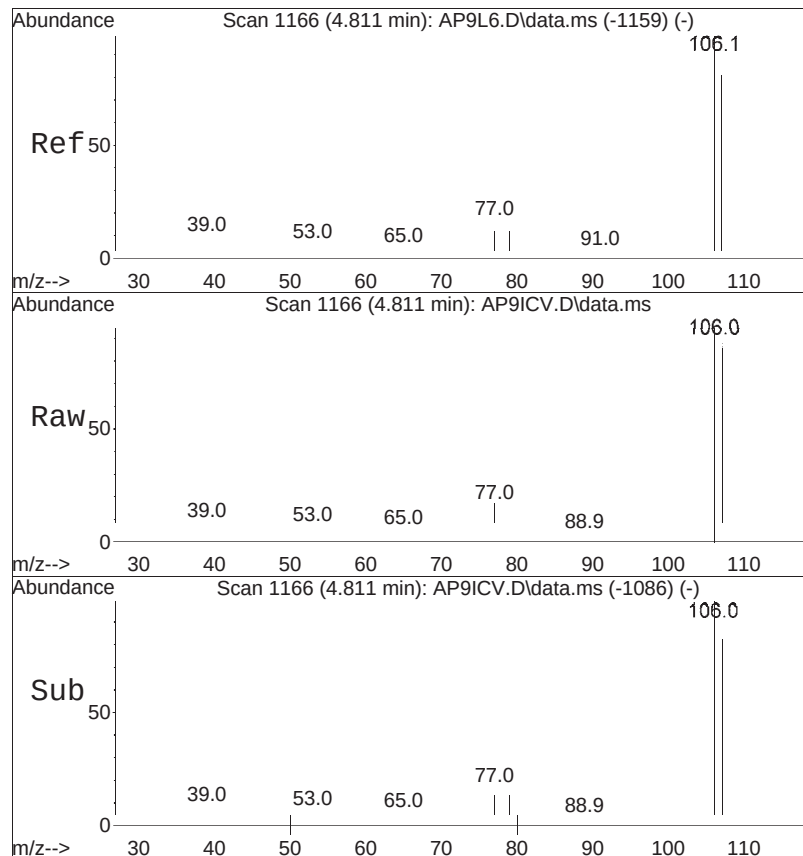




#29
 Acetophenone
 Concen: 4.87 ug/ml
 RT: 4.724 min Scan# 1138
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

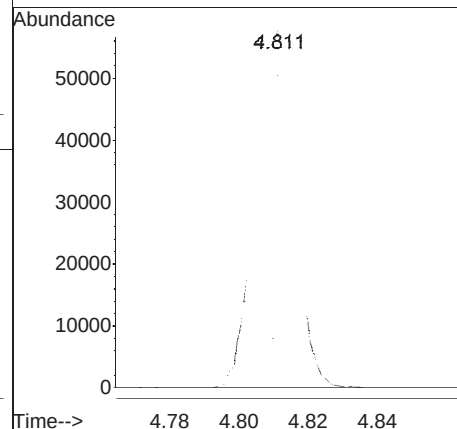
Tgt	Ion:105	Resp:	67278
Ion	Ratio	Lower	Upper
105	100		
120	18.1	20.5	30.7#
51	29.6	34.9	52.3#

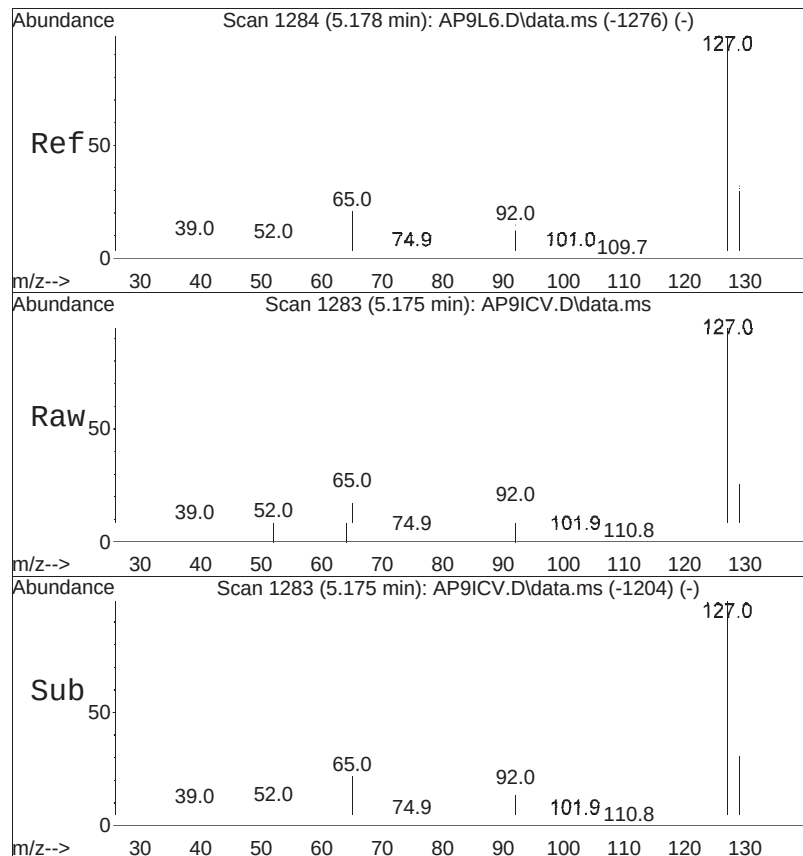




#30
 m-Toluidine
 Concen: 5.48 ug/ml
 RT: 4.811 min Scan# 1166
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

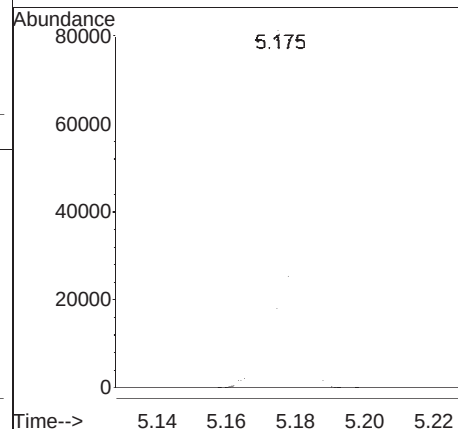
Tgt Ion	Ratio	Resp	Lower	Upper
106	100	44605		
107	90.0		75.7	113.5
79	14.3		11.8	17.8

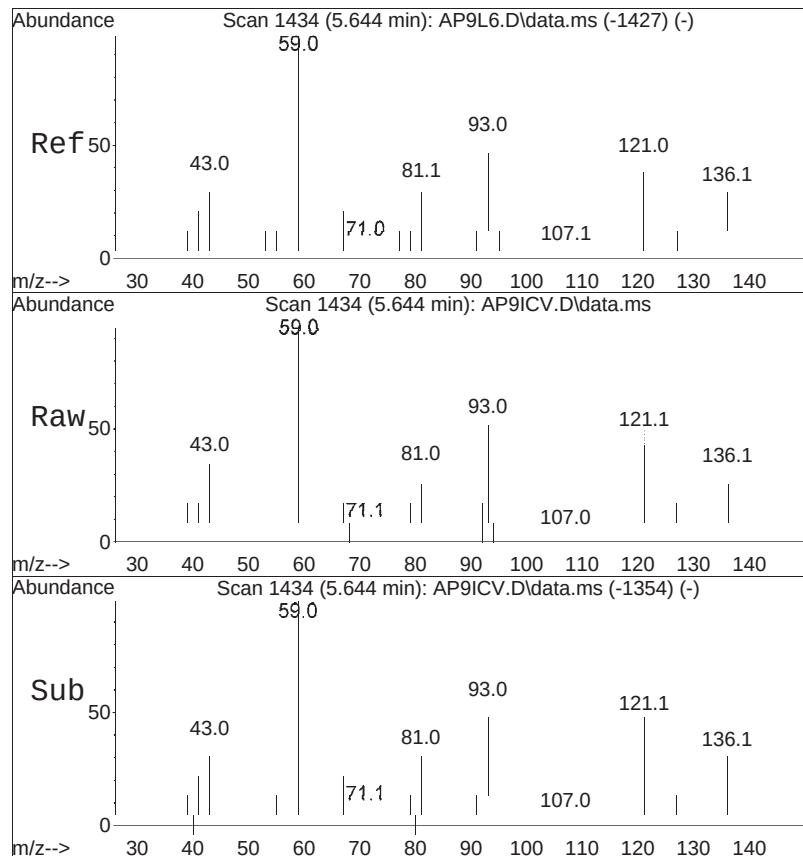




#31
 2-Chloroaniline
 Concen: 5.02 ug/ml
 RT: 5.175 min Scan# 1283
 Delta R.T. -0.003 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

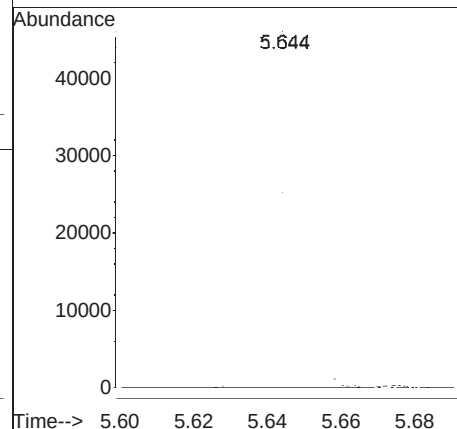
Tgt Ion:	127	Resp:	62713
Ion Ratio	Lower	Upper	
127	100		
129	32.3	25.9	38.9
65	22.2	26.3	39.5#

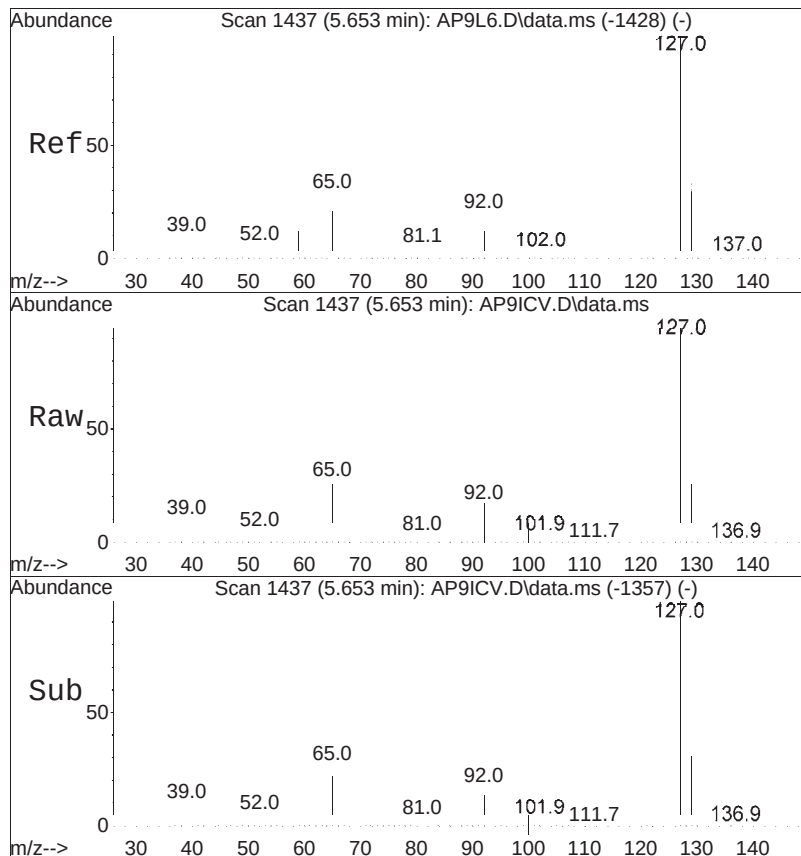




#56
a-Terpineol
Concen: 4.57 ug/ml
RT: 5.644 min Scan# 1434
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

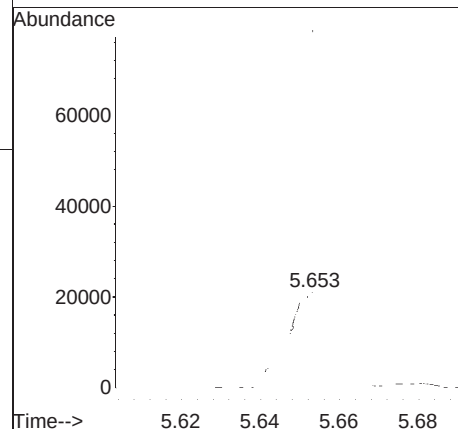
Tgt Ion	Ratio	Lower	Upper
59	100		
93	58.0	35.6	53.4#

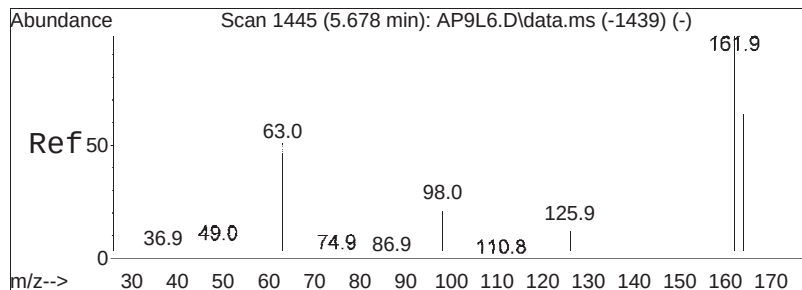




#57
 3-Chloroaniline
 Concen: 5.16 ug/ml
 RT: 5.653 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

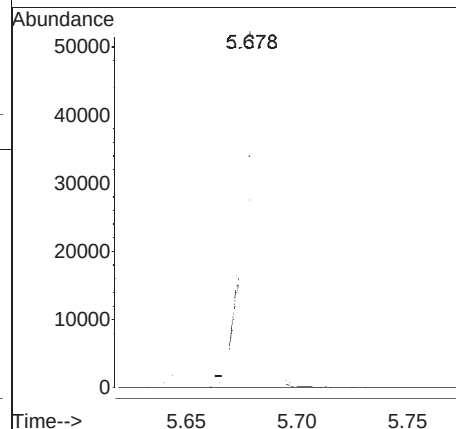
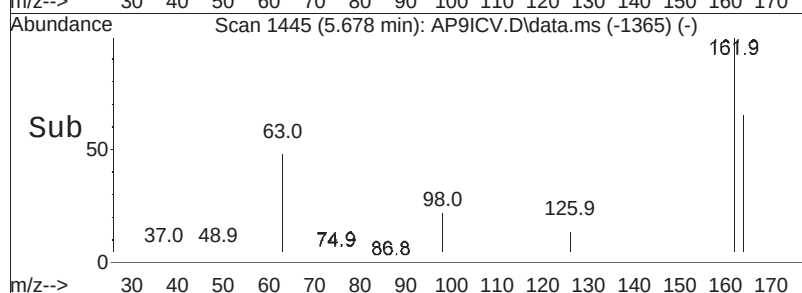
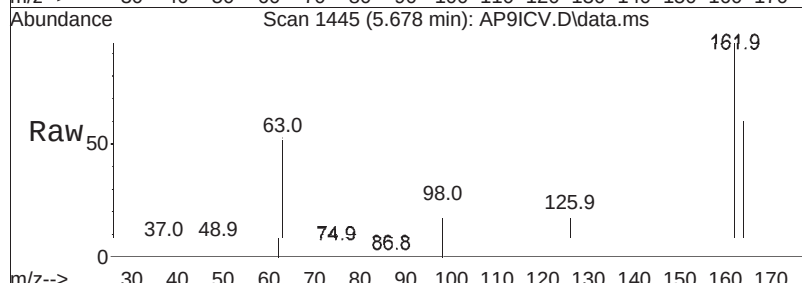
Tgt Ion:	65	Resp:	17114
Ion Ratio	Lower	Upper	
65	100		
127	331.5	243.2	364.8
129	106.8	78.8	118.2

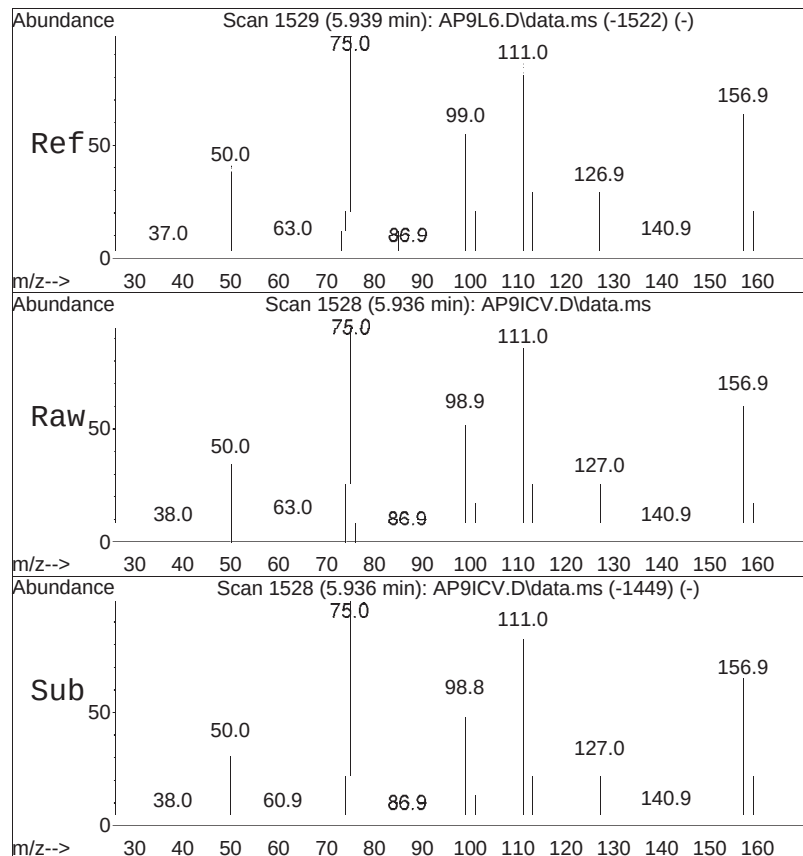




#58
 2,6-Dichlorophenol
 Concen: 4.81 ug/ml
 RT: 5.678 min Scan# 1445
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

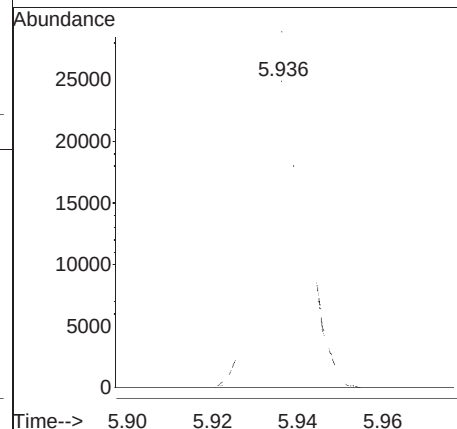
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.6	51.1	76.7
63	53.0	60.8	91.2#

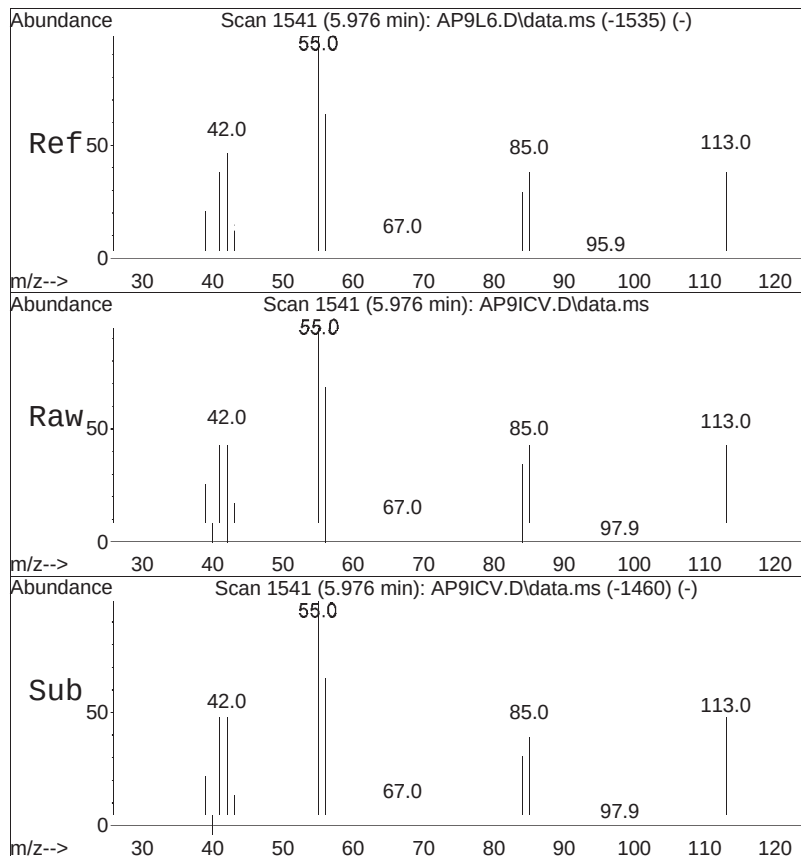




#59
 1-chloro-2-nitrobenzene
 Concen: 4.83 ug/ml
 RT: 5.936 min Scan# 1528
 Delta R.T. -0.003 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

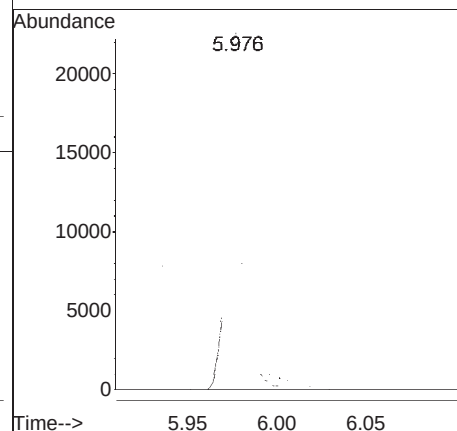
Tgt Ion:	111	Resp:	18837
Ion Ratio	Lower	Upper	
111	100		
157	75.2	0.0	0.0#
75	114.6	28.2	42.2#

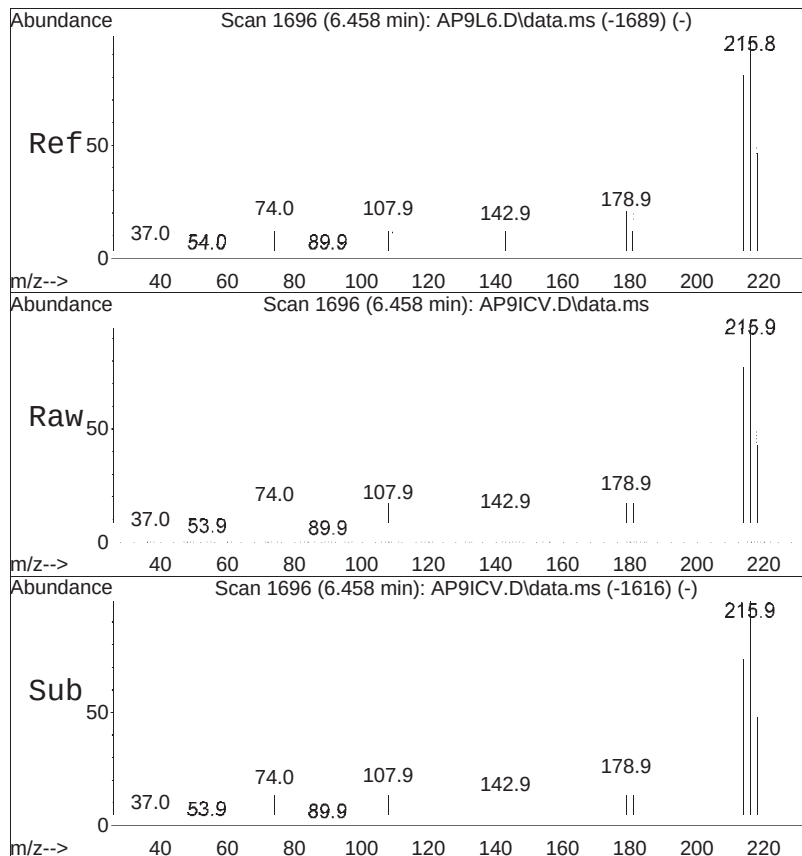




#60
 Caprolactam
 Concen: 4.84 ug/ml
 RT: 5.976 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

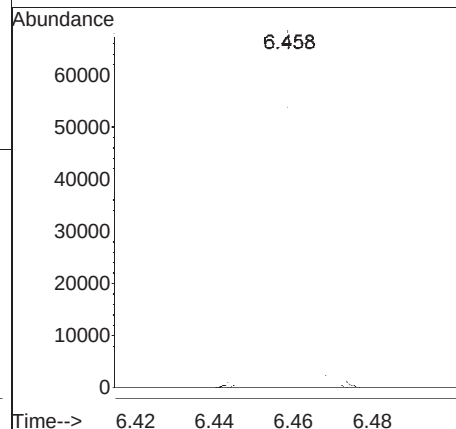
Tgt	Ion: 55	Resp:	19888
Ion	Ratio	Lower	Upper
55	100		
85	43.0	19.8	29.6#
113	46.6	29.6	44.4#

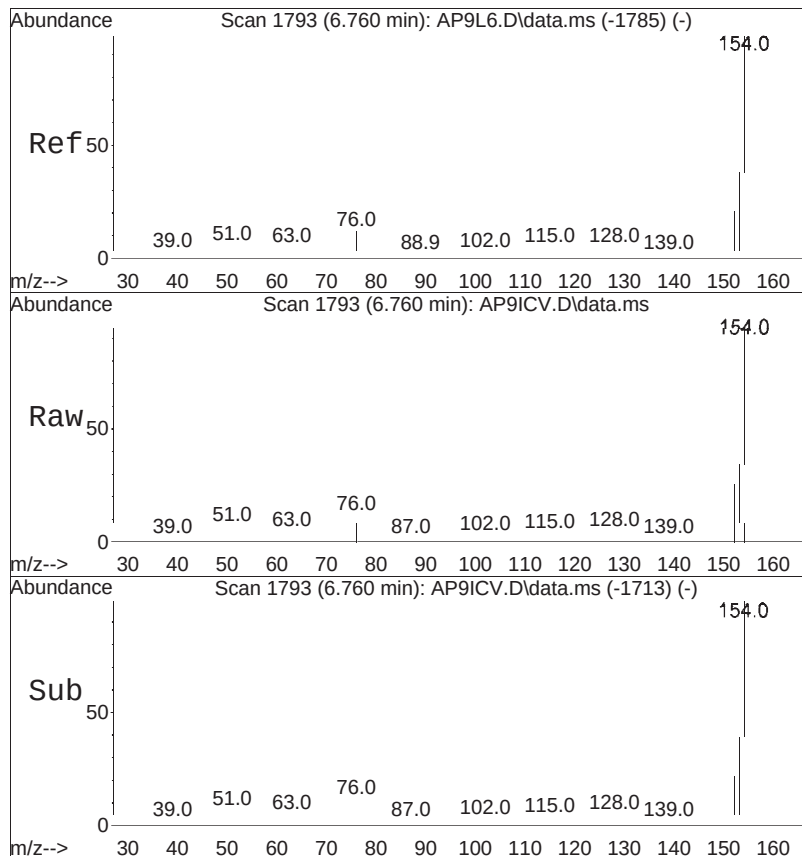




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.79 ug/ml
 RT: 6.458 min Scan# 1696
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

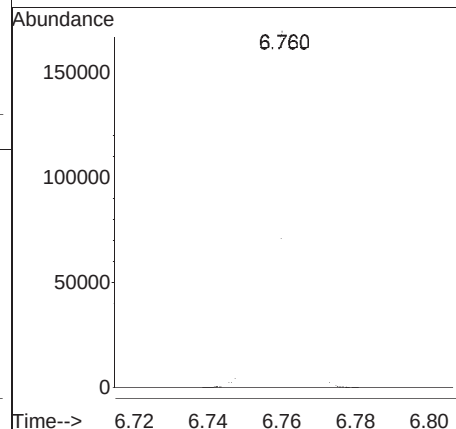
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	51803		
214	80.7		63.7	95.5
179	20.6		19.0	28.6

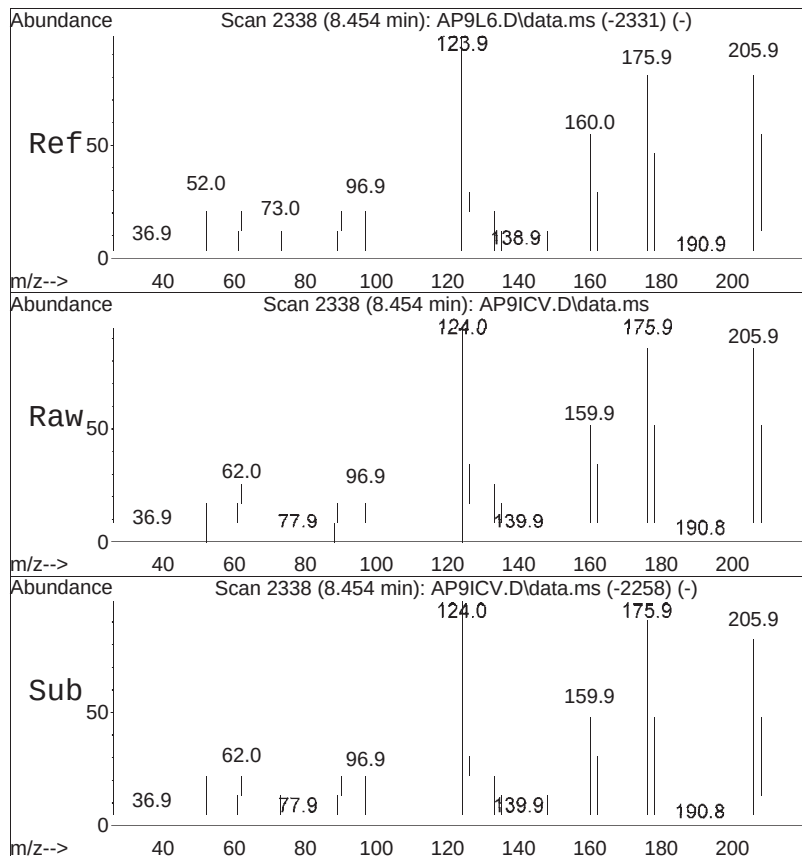




#62
 Biphenyl
 Concen: 4.79 ug/ml
 RT: 6.760 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

Tgt Ion:	154	Resp:	129304
Ion Ratio	Lower	Upper	
154	100		
153	42.2	32.3	48.5
152	28.9	22.5	33.7





#84

Dichloran

Concen: 4.65 ug/ml

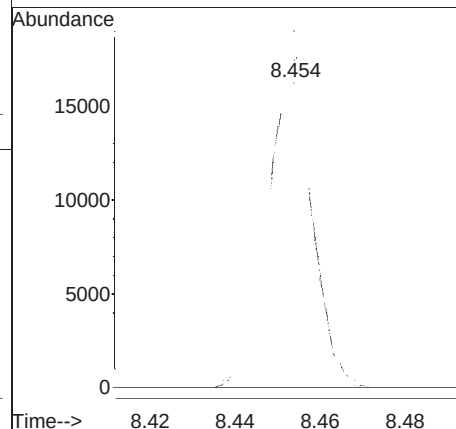
RT: 8.454 min Scan# 2338

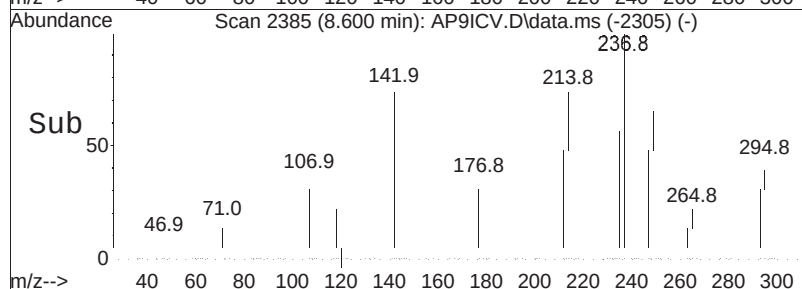
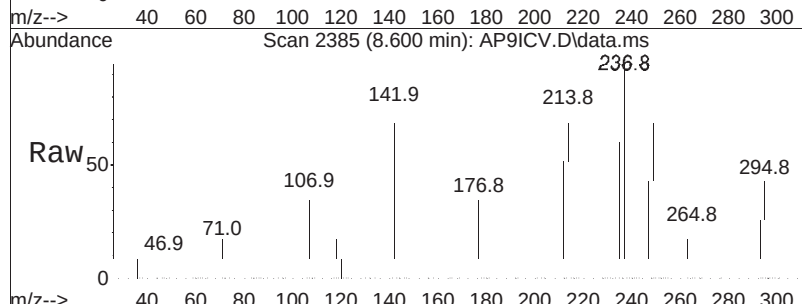
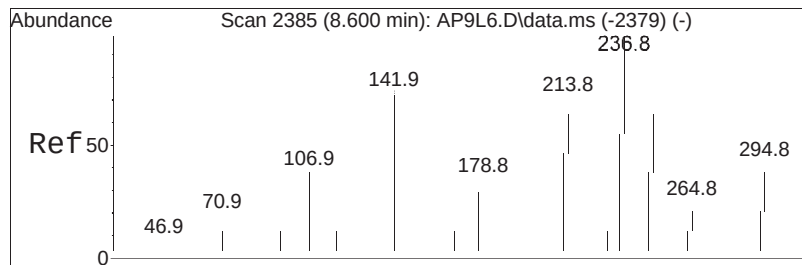
Delta R.T. -0.000 min

Lab File: AP9ICV.D

Acq: 28 Aug 2025 6:40 am

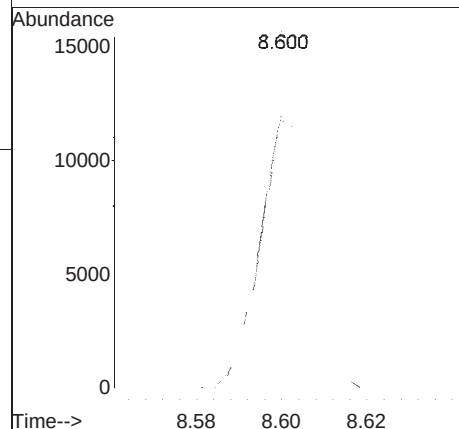
Tgt Ion	Ratio	Lower	Upper
206	100		
176	100.1	104.6	157.0#
124	120.0	130.5	195.7#

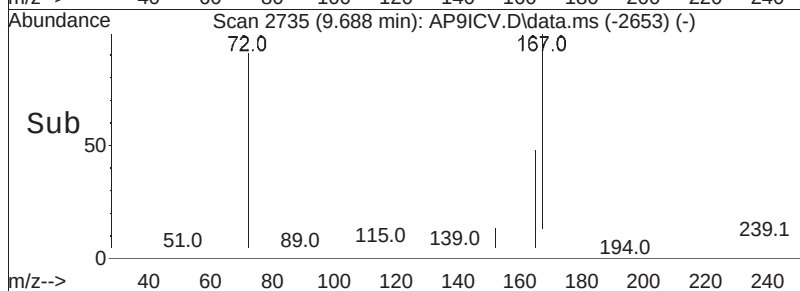
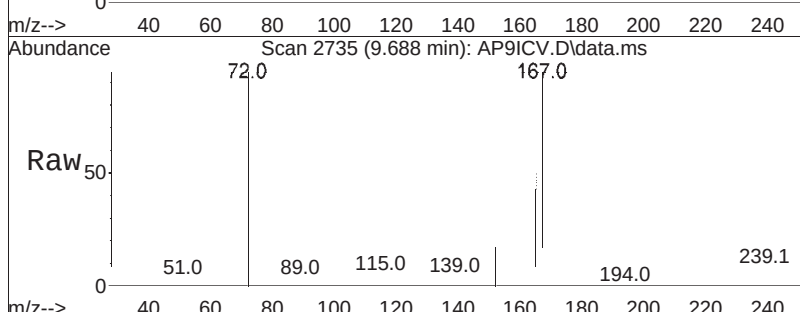
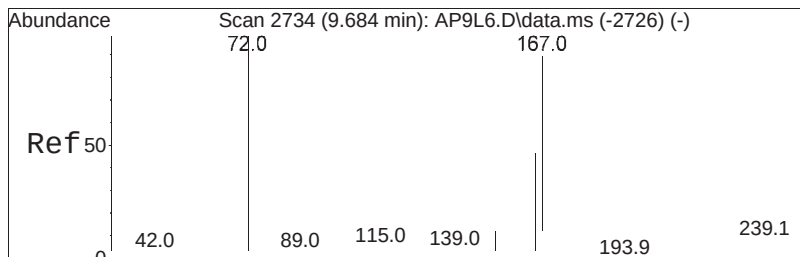




#85
 Pentachloronitrobenzene
 Concen: 4.91 ug/ml
 RT: 8.600 min Scan# 2385
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

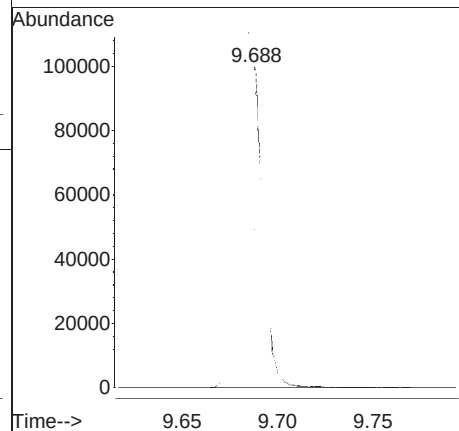
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	12733		
142	74.6		77.0	115.4#
214	77.3		58.2	87.4





#99
Diphenamid
Concen: 5.07 ug/ml
RT: 9.688 min Scan# 2735
Delta R.T. 0.004 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion	Ratio	Lower	Upper
167	100		
72	104.4	109.7	164.5#
165	50.2	41.8	62.6



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9ICV.D Operator : SV106:smz
Date Inj'd : 8/28/2025 6:40 am Instrument : SV 106
Sample : CQICV2,32,,AP9ICV Lot# 119Quant Date

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPICV.D
 Acq On : 28 Aug 2025 7:02 am
 Operator : SV106:smz
 Sample : CQICV,32,,ADPICV Lot# 11914
 Misc : WG2108428,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 07:27:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
33 t	1,4-Dioxane	0.477	0.400	16.1	89	0.00
34 T	n-Decane	1.449	1.195	17.5	84	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	101	0.00
87 T	Atrazine	0.372	0.324	12.9	87	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
101 T	n-Octadecane	0.480	0.408	15.0	85	0.00
102 T	Parathion	* 5.000	3.504	29.9#	79	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	3.910	21.8#	77	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPICV.D
 Acq On : 28 Aug 2025 7:02 am
 Operator : SV106:smz
 Sample : CQICV,32,,ADPICV Lot# 11914
 Misc : WG2108428,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 07:27:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31602	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	100.37%	
86) IS3_Acenaphthene-d10	7.303	164	70365	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	101.14%	
100) IS3_Phenanthrene-d10	8.752	188	142062	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	101.60%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	15794	4.193	ug/ml#	78
34) n-Decane	4.208	57	47211	4.123	ug/ml#	39
87) Atrazine	8.544	200	28529	4.360	ug/ml	92
101) n-Octadecane	8.761	57	72478	4.253	ug/ml#	1
102) Parathion	9.566	109	14819	3.504	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.844	212	86540	3.910	ug/ml	98

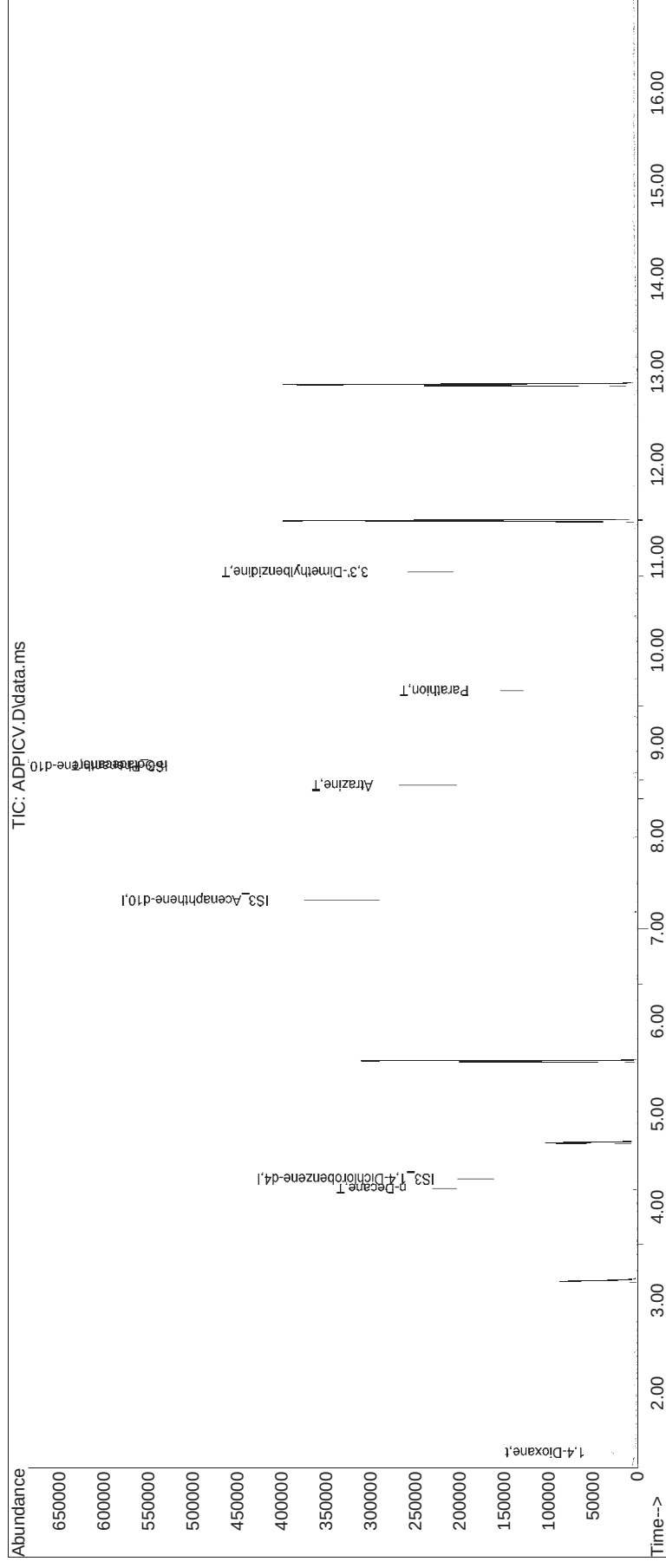
(#) = qualifier out of range (m) = manual integration (+) = signals summed

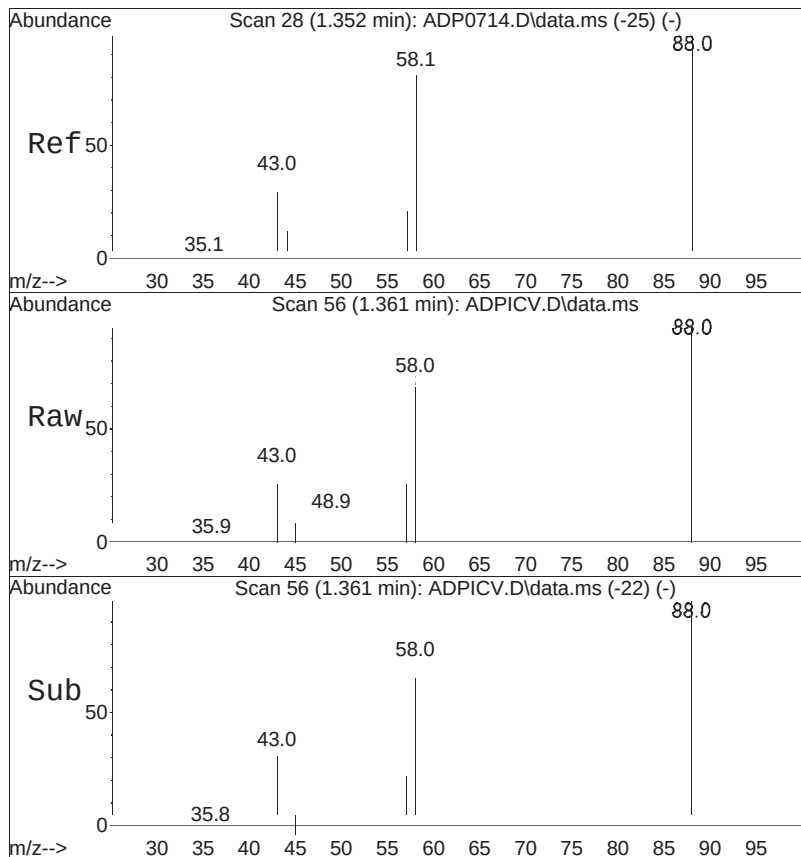
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPICV.D
 Acq On : 28 Aug 2025 7:02 am
 Operator : SV106:smz
 Sample : CQICV,32,,ADPICV Lot# 11914
 Misc : WG2108428,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 07:27:17 2025
 Response via : Initial Calibration

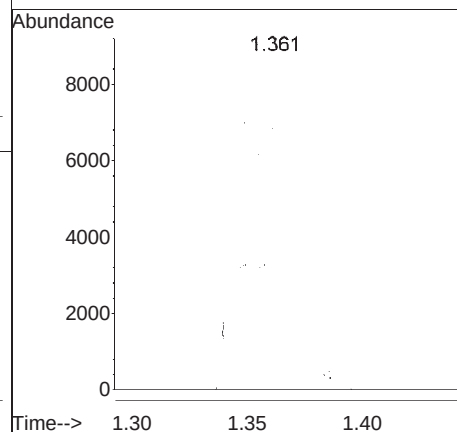
Sub List : ADPICV\8270\SV106\250827ICAL\AP9L6.D•

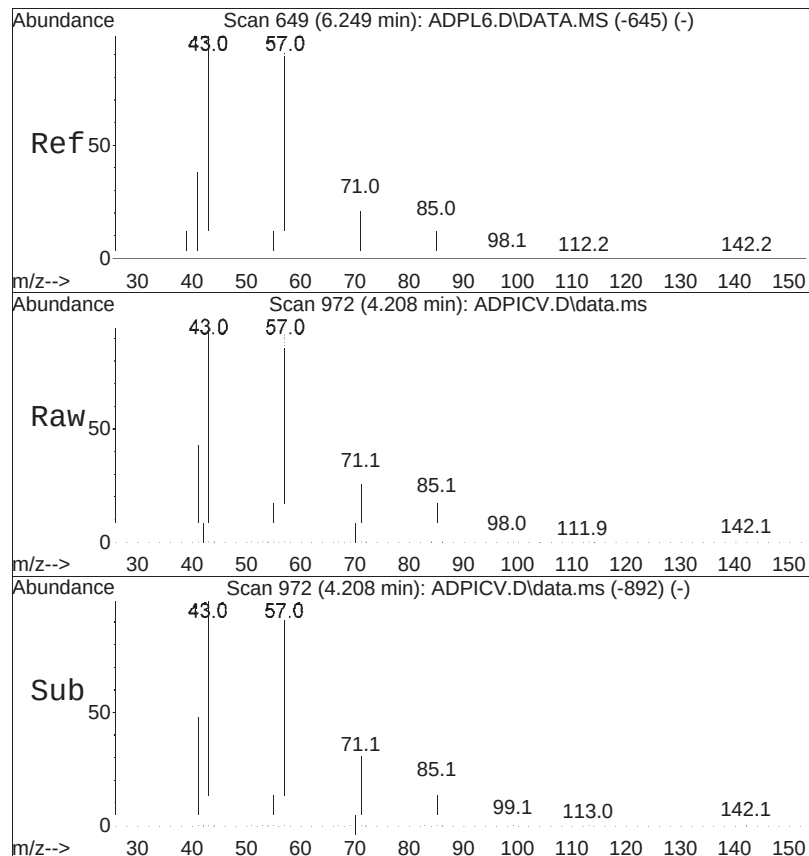




#33
 1,4-Dioxane
 Concen: 4.19 ug/ml
 RT: 1.361 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

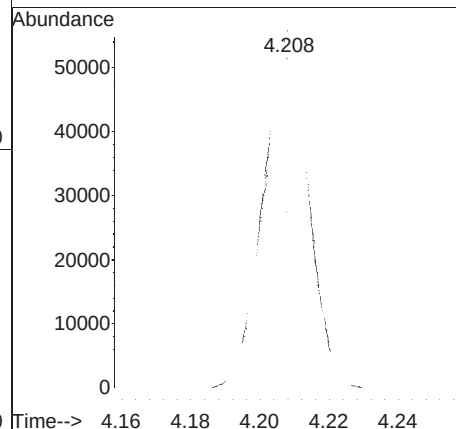
Tgt Ion:	88	Resp:	15794
Ion Ratio	Lower	Upper	
88	100		
58	35.8	44.8	67.2#
43	34.1	22.4	33.6#

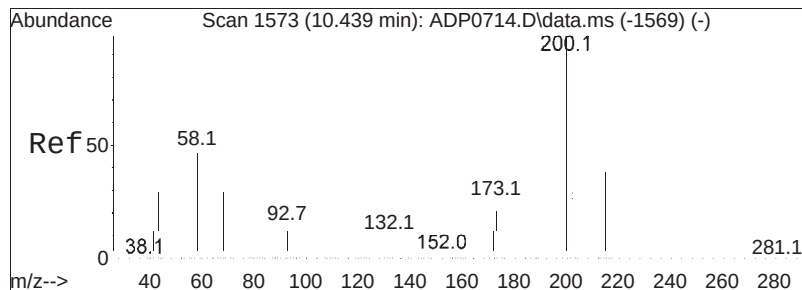




#34
 n-Decane
 Concen: 4.12 ug/ml
 RT: 4.208 min Scan# 972
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	47211		
43	104.6		0.2	0.2#
41	52.9		0.2	0.2#





#87

Atrazine

Concen: 4.36 ug/ml

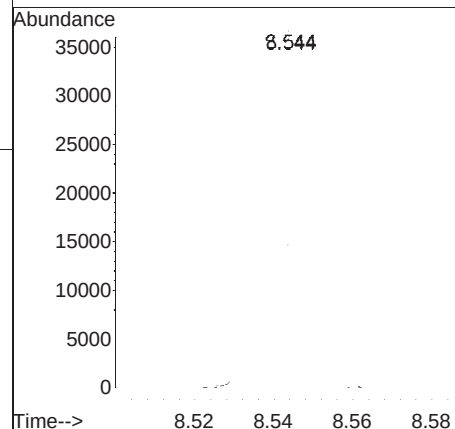
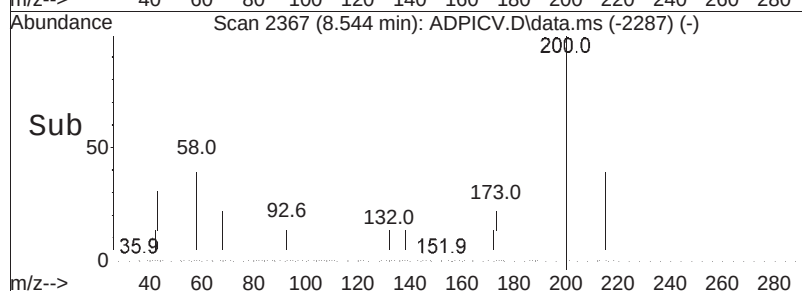
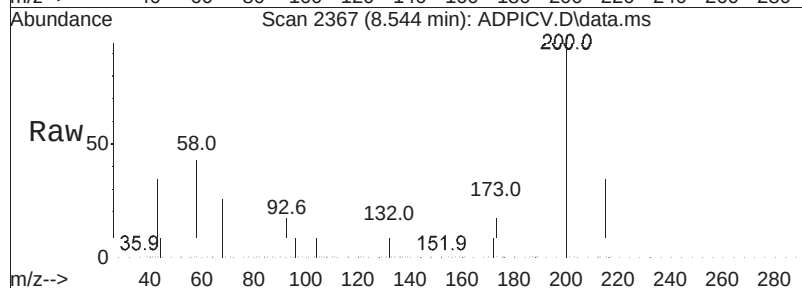
RT: 8.544 min Scan# 2367

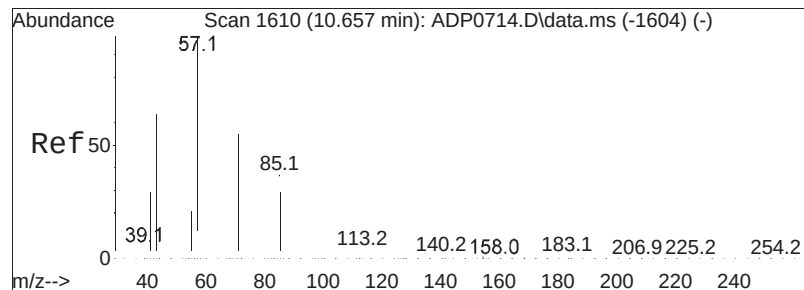
Delta R.T. -0.000 min

Lab File: ADPICV.D

Acq: 28 Aug 2025 7:02 am

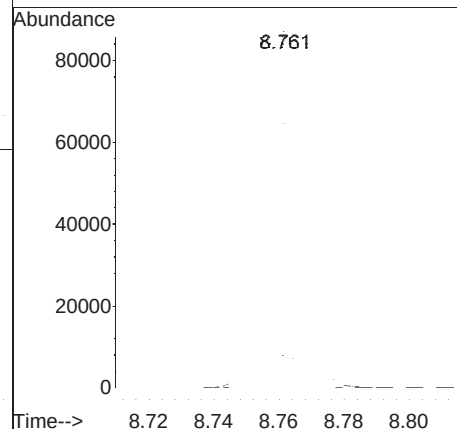
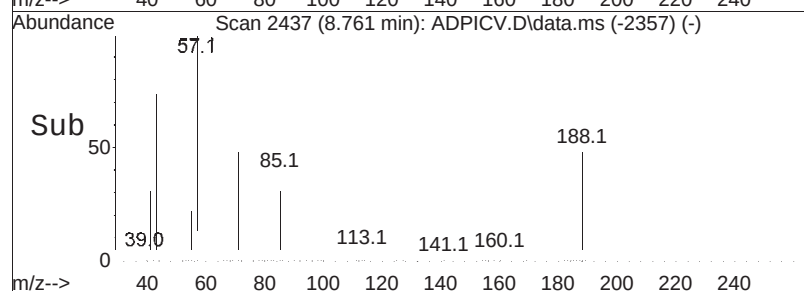
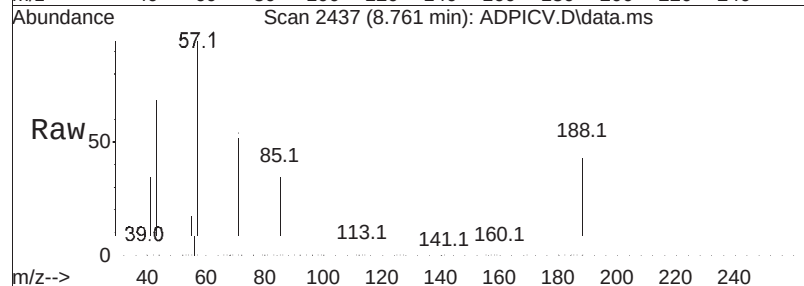
Tgt Ion:	200	Resp:	28529
Ion Ratio	Lower	Upper	
200	100		
202	32.7	25.8	38.6
215	42.1	40.2	60.4

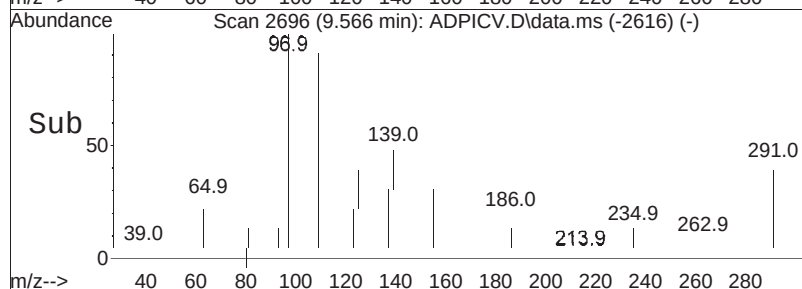
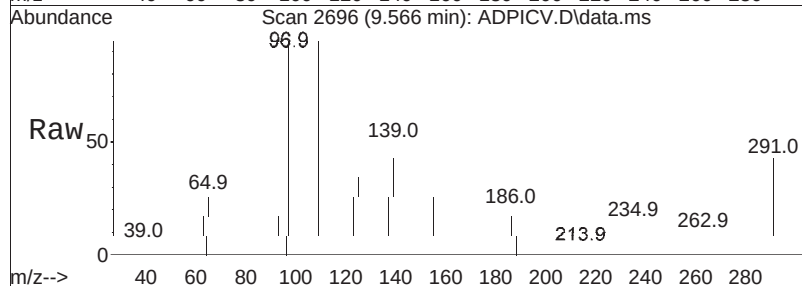
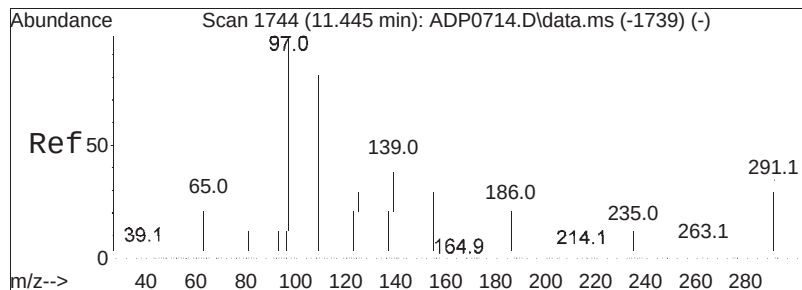




#101
 n-Octadecane
 Concen: 4.25 ug/ml
 RT: 8.761 min Scan# 2437
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

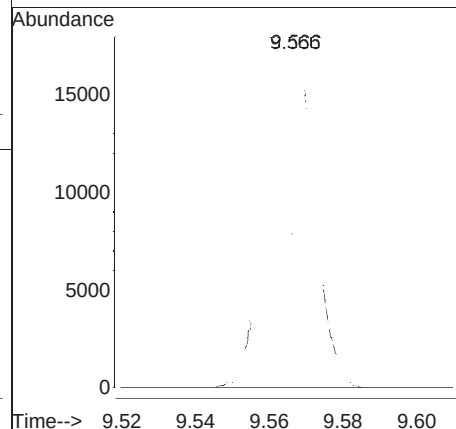
Tgt Ion	Ratio	Resp: Lower	Upper
57	100		
43	77.3	9.0	13.6#
70	9.4	0.2	0.2#

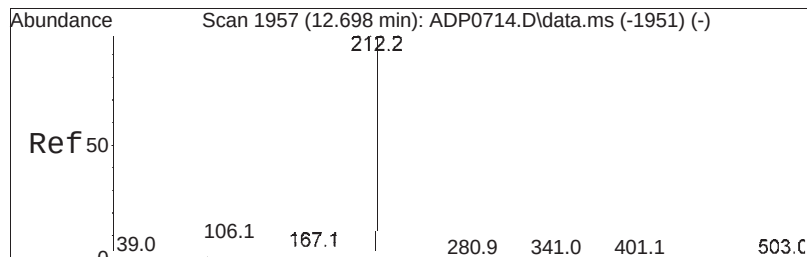




#102
 Parathion
 Concen: 3.50 ug/ml
 RT: 9.566 min Scan# 2696
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

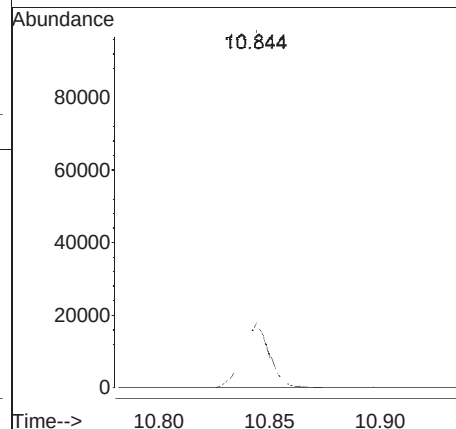
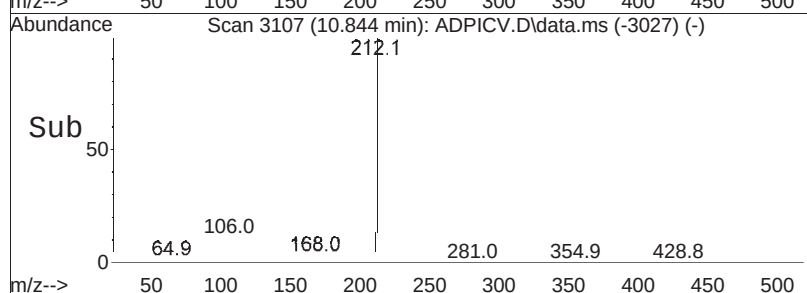
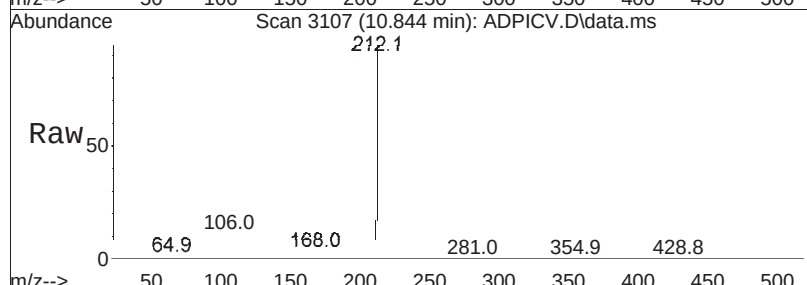
Tgt Ion:	109	Resp:	14819
Ion Ratio	Lower	Upper	
109	100		
97	111.3	87.4	131.2
291	42.4	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 3.91 ug/ml
 RT: 10.844 min Scan# 3107
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

Tgt Ion:	212	Resp:	86540
Ion Ratio	Lower	Upper	
212	100		
211	17.0	12.9	19.3
213	17.3	13.2	19.8



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPICV.D Operator : SV106:smz
Date Inj'd : 8/28/2025 7:02 am Instrument : SV 106
Sample : CQICV,32,,ADPICV Lot# 1191

There are no manual integrations or false positives in this file.

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025

COMPOUND		CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
-----		-----							
37 T	Benzoic Acid	L	ug/ml	5.0	4.355	-12.9	1.00	1.227	22.7
102 T	Parathion	L	ug/ml	5.0	4.309	-13.8	1.00	1.314	31.4
103 T	3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.718	-5.6	2.50	2.761	10.4

Calibration Correlation Report

COMPOUND		CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
-----		-----				
37 T	Benzoic Acid	Linear	0.997218	0.000000	0.271905	-0.0504247
102 T	Parathion	Linear	0.993772	0.000000	0.149294	-0.0264501
103 T	3,3'-Dimethylbenzidine	Linear	0.997019	0.000000	0.974468	-0.343452

Continuing Calibration

Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : ABN0906
 Sample No : WG2111447-3
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/06/25 07:22
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
n-Nitrosodimethylamine	0.66	0.698	-	-5.8	20	107	0
Pyridine	1.131	1.154	-	-2	20	100	0
2-Fluorophenol	1.106	1.139	-	-3	20	102	0
Aniline	1.738	1.809	-	-4.1	20	101	0
2-Chlorophenol	1.332	1.357	-	-1.9	20	101	0
Phenol-d6	1.318	1.375	-	-4.3	20	104	0
Phenol	1.441	1.506	-	-4.5	20	106	0
Bis(2-chloroethyl)ether	1.143	1.177	-	-3	20	105	0
1,3-Dichlorobenzene	1.598	1.598	-	0	20	102	0
1,4-Dichlorobenzene	1.634	1.628	-	0.4	20	102	0
1,2-Dichlorobenzene	1.572	1.561	-	0.7	20	103	0
Benzyl alcohol	0.964	0.971	-	-0.7	20	102	0
Bis(2-chloroisopropyl)ethe	1.867	1.868	-	-0.1	20	102	0
2-Methylphenol	1.104	1.156	-	-4.7	20	105	0
Hexachloroethane	0.602	0.622	-	-3.3	20	103	0
n-Nitrosodi-n-propylamine	0.815	0.839	-	-2.9	20	102	0
3-Methylphenol/4-Methylphe	1.207	1.259	-	-4.3	20	106	0
Nitrobenzene-d5	1.226	1.243	-	-1.4	20	101	0
Nitrobenzene	1.26	1.291	-	-2.5	20	101	0
Isophorone	2.296	2.281	-	0.7	20	99	0
2-Nitrophenol	0.64	0.688	-	-7.5	20	106	0
2,4-Dimethylphenol	1.271	1.286	-	-1.2	20	98	0
Bis(2-chloroethoxy)methane	1.546	1.569	-	-1.5	20	103	0
2,4-Dichlorophenol	1.17	1.216	-	-3.9	20	101	0
1,2,4-Trichlorobenzene	1.374	1.347	-	2	20	100	0
IS1_Naphthalene-d8	1	1	-	0	20	104	0
Naphthalene	1.082	1.05	-	3	20	101	0
Benzoic Acid	5	4.299	-	14	20	102	0
4-Chloroaniline	0.117	0.113	-	3.4	20	96	0
Hexachlorobutadiene	0.2	0.19	-	5	20	98	0
p-Chloro-m-cresol	0.284	0.279	-	1.8	20	100	0
2-Methylnaphthalene	0.641	0.631	-	1.6	20	103	0
1-Methylnaphthalene	0.227	0.217	-	4.4	20	100	0
Hexachlorocyclopentadiene	0.254	0.238	-	6.3	20	96	0
2,4,6-Trichlorophenol	0.213	0.221	-	-3.8	20	100	0
2,4,5-Trichlorophenol	0.239	0.241	-	-0.8	20	99	0
2-Fluorobiphenyl	0.821	0.757	-	7.8	20	97	0
2-Chloronaphthalene	0.727	0.687	-	5.5	20	99	0
2-Nitroaniline	0.206	0.212	-	-2.9	20	98	0
1,4-Dinitrobenzene	0.097	0.094	-	3.1	20	95	0
1,3-Dinitrobenzene	0.112	0.108	-	3.6	20	94	0
Dimethyl phthalate	0.857	0.79	-	7.8	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : ABN0906
 Sample No : WG2111447-3
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/06/25 07:22
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.125	-	3.8	20	96	0
2,6-Dinitrotoluene	0.167	0.167	-	0	20	99	0
1,2-Dinitrobenzene	0.073	0.072	-	1.4	20	95	0
IS1_Acenaphthene-d10	1	1	-	0	20	100	0
3-Nitroaniline	0.342	0.36	-	-5.3	20	99	0
Acenaphthene	1.136	1.099	-	3.3	20	98	0
2,4-Dinitrophenol	0.166	0.143	-	13.9	20	90	0
Dibenzofuran	1.844	1.786	-	3.1	20	98	0
2,4-Dinitrotoluene	0.385	0.408	-	-6	20	95	0
4-Nitrophenol	0.238	0.252	-	-5.9	20	100	0
2,3,5,6-Tetrachlorophenol	0.34	0.354	-	-4.1	20	96	0
2,3,4,6-Tetrachlorophenol	0.33	0.348	-	-5.5	20	94	0
Diethyl phthalate	1.516	1.428	-	5.8	20	93	0
Fluorene	1.447	1.373	-	5.1	20	96	0
4-Chlorophenyl phenyl ethe	0.688	0.644	-	6.4	20	94	0
4-Nitroaniline	0.337	0.356	-	-5.6	20	97	0
4,6-Dinitro-o-cresol	0.214	0.208	-	2.8	20	95	0
NDPA/DPA	1.209	1.176	-	2.7	20	95	0
Azobenzene	1.272	1.256	-	1.3	20	95	0
2,4,6-Tribromophenol	0.194	0.183	-	5.7	20	91	0
4-Bromophenyl phenyl ether	0.424	0.388	-	8.5	20	94	0
Hexachlorobenzene	0.475	0.43	-	9.5	20	94	0
Pentachlorophenol	0.28	0.274	-	2.1	20	99	0
IS1_Phenanthrene-d10	1	1	-	0	20	97	0
Phenanthrene	1.202	1.131	-	5.9	20	94	0
Anthracene	1.178	1.121	-	4.8	20	93	0
Carbazole	1.081	1.084	-	-0.3	20	94	0
Di-n-butylphthalate	1.266	1.236	-	2.4	20	90	0
Fluoranthene	1.296	1.246	-	3.9	20	93	0
Benzidine	0.831	0.779	-	6.3	20	90	0
Pyrene	1.383	1.327	-	4	20	93	0
4-Terphenyl-d14	0.982	0.889	-	9.5	20	90	0
Butyl benzyl phthalate	0.529	0.537	-	-1.5	20	93	0
IS1_Chrysene-d12	1	1	-	0	20	96	0
Benzo(a)anthracene	1.349	1.285	-	4.7	20	94	0
3,3'-Dichlorobenzidine	0.464	0.47	-	-1.3	20	91	0
Chrysene	1.336	1.241	-	7.1	20	93	0
Bis(2-ethylhexyl)phthalate	0.846	0.835	-	1.3	20	89	0
Di-n-octylphthalate	1.419	1.413	-	0.4	20	94	0
Benzo(b)fluoranthene	1.278	1.311	-	-2.6	20	101	0
Benzo(k)fluoranthene	1.303	1.306	-	-0.2	20	94	0
Benzo(a)pyrene	1.197	1.25	-	-4.4	20	98	0
IS1_Perylene-d12	1	1	-	0	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : ABN0906
 Sample No : WG2111447-3
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/06/25 07:22
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.133	-	0.7	20	99	0
Dibenzo(a,h)anthracene	1.181	1.171	-	0.8	20	98	0
Benzo(ghi)perylene	1.164	1.154	-	0.9	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : AP90906
 Sample No : WG2111447-4
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/06/25 07:44
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	117	0
Benzaldehyde	0.645	0.801	-	-24.2*	20	148	0
Acetophenone	1.905	1.817	-	4.6	20	114	0
m-Toluidine	1.123	1.385	-	-23.3*	20	134	0
2-Chloroaniline	1.724	1.726	-	-0.1	20	115	0
IS2_Naphthalene-d8	1	1	-	0	20	117	0
a-Terpineol	0.267	0.256	-	4.1	20	112	0
3-Chloroaniline	0.114	0.123	-	-7.9	20	117	0
2,6-Dichlorophenol	0.285	0.296	-	-3.9	20	120	0
1-chloro-2-nitrobenzene	0.135	0.139	-	-3	20	119	0
Caprolactam	0.142	0.151	-	-6.3	20	119	0
1,2,4,5-Tetrachlorobenzene	0.373	0.34	-	8.8	20	109	0
Biphenyl	0.931	0.866	-	7	20	112	0
IS2_Acenaphthene-d10	1	1	-	0	20	117	0
Dichloran	0.158	0.153	-	3.2	20	111	0
Pentachloronitrobenzene	0.154	0.146	-	5.2	20	104	0
IS2_Phenanthrene-d10	1	1	-	0	20	114	0
Diphenamid	0.487	0.472	-	3.1	20	105	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV106
Lab File ID : ADP0906
Sample No : WG2111447-5
Channel :

Lab Number : L2555605
Project Number : 2232.0006Y005
Calibration Date : 09/06/25 08:06
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	117	0
1,4-Dioxane	0.477	0.442	-	7.3	20	114	0
n-Decane	1.449	1.364	-	5.9	20	112	0
IS3_Acenaphthene-d10	1	1	-	0	20	115	0
Atrazine	0.372	0.364	-	2.2	20	111	0
IS3_Phenanthrene-d10	1	1	-	0	20	112	0
n-Octadecane	0.48	0.468	-	2.5	20	107	0
Parathion	5	4.137	-	17.3	20	107	0
3,3'-Dimethylbenzidine	5	4.171	-	16.6	20	94	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250906RVT\
 Data File : ABN0906.D
 Acq On : 6 Sep 2025 7:22 am
 Operator : SV106:jg
 Sample : WG2111447-3,32,,ABN 11881 cmm0831A
 Misc : WG2111447,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 06 07:55:36 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 07:56:18 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2 t	n-Nitrosodimethylamine	0.660	0.698	-5.8	107	0.00
3 t	Pyridine	1.131	1.154	-2.0	100	0.00
4 S	2-Fluorophenol	1.106	1.139	-3.0	102	0.00
5 T	Aniline	1.738	1.809	-4.1	101	0.00
6 t	2-Chlorophenol	1.332	1.357	-1.9	101	0.00
7 S	Phenol-d6	1.318	1.375	-4.3	104	0.00
8 T	Phenol	1.441	1.506	-4.5	106	0.00
9 T	Bis(2-chloroethyl)ether	1.143	1.177	-3.0	105	0.00
10 T	1,3-Dichlorobenzene	1.598	1.598	0.0	102	0.00
11 T	1,4-Dichlorobenzene	1.634	1.628	0.4	102	0.00
12 T	1,2-Dichlorobenzene	1.572	1.561	0.7	103	0.00
13 t	Benzyl alcohol	0.964	0.971	-0.7	102	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.868	-0.1	102	0.00
15 T	2-Methylphenol	1.104	1.156	-4.7	105	0.00
16 T	Hexachloroethane	0.602	0.622	-3.3	103	0.00
17 T	n-Nitrosodi-n-propylamine	0.815	0.839	-2.9	102	0.00
18 T	3-Methylphenol/4-Methylphen	1.207	1.259	-4.3	106	0.00
19 S	Nitrobenzene-d5	1.226	1.243	-1.4	101	0.00
20 T	Nitrobenzene	1.260	1.291	-2.5	101	0.00
21 T	Isophorone	2.296	2.281	0.7	99	0.00
22 T	2-Nitrophenol	0.640	0.688	-7.5	106	0.00
23 T	2,4-Dimethylphenol	1.271	1.286	-1.2	98	0.00
24 T	Bis(2-chloroethoxy)methane	1.546	1.569	-1.5	103	0.00
25 T	2,4-Dichlorophenol	1.170	1.216	-3.9	101	0.00
26 T	1,2,4-Trichlorobenzene	1.374	1.347	2.0	100	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	104	0.00
36 T	Naphthalene	1.082	1.050	3.0	101	0.00
37 T	Benzoic Acid	* 5.000	4.299	14.0	102	0.00
38 T	4-Chloroaniline	0.117	0.113	3.4	96	0.00
39 T	Hexachlorobutadiene	0.200	0.190	5.0	98	0.00
40 T	p-Chloro-m-cresol	0.284	0.279	1.8	100	0.00
41 T	2-Methylnaphthalene	0.641	0.631	1.6	103	0.00
42 T	1-Methylnaphthalene	0.227	0.217	4.4	100	0.00
43 T	Hexachlorocyclopentadiene	0.254	0.238	6.3	96	0.00
44 T	2,4,6-Trichlorophenol	0.213	0.221	-3.8	100	0.00
45 T	2,4,5-Trichlorophenol	0.239	0.241	-0.8	99	0.00
46 S	2-Fluorobiphenyl	0.821	0.757	7.8	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250906RVT\
 Data File : ABN0906.D
 Acq On : 6 Sep 2025 7:22 am
 Operator : SV106:jg
 Sample : WG2111447-3,32,,ABN 11881 cmm0831A
 Misc : WG2111447,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 06 07:55:36 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 07:56:18 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.727	0.687	5.5	99	0.00
48 T	2-Nitroaniline	0.206	0.212	-2.9	98	0.00
49 T	1,4-Dinitrobenzene	0.097	0.094	3.1	95	0.00
50 T	1,3-Dinitrobenzene	0.112	0.108	3.6	94	0.00
51 T	Dimethyl phthalate	0.857	0.790	7.8	94	0.00
52 T	Acenaphthylene	1.170	1.125	3.8	96	0.00
53 T	2,6-Dinitrotoluene	0.167	0.167	0.0	99	0.00
54 T	1,2-Dinitrobenzene	0.073	0.072	1.4	95	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	100	0.00
64 T	3-Nitroaniline	0.342	0.360	-5.3	99	0.00
65 T	Acenaphthene	1.136	1.099	3.3	98	0.00
66 T	2,4-Dinitrophenol	0.166	0.143	13.9	90	0.00
67 T	Dibenzofuran	1.844	1.786	3.1	98	0.00
68 T	2,4-Dinitrotoluene	0.385	0.408	-6.0	95	0.00
69 T	4-Nitrophenol	0.238	0.252	-5.9	100	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.340	0.354	-4.1	96	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.330	0.348	-5.5	94	0.00
72 T	Diethyl phthalate	1.516	1.428	5.8	93	0.00
73 T	Fluorene	1.447	1.373	5.1	96	0.00
74 T	4-Chlorophenyl phenyl ether	0.688	0.644	6.4	94	0.00
75 T	4-Nitroaniline	0.337	0.356	-5.6	97	0.00
76 T	4,6-Dinitro-o-cresol	0.214	0.208	2.8	95	0.00
77 T	NDPA/DPA	1.209	1.176	2.7	95	0.00
78 T	Azobenzene	1.272	1.256	1.3	95	0.00
79 S	2,4,6-Tribromophenol	0.194	0.183	5.7	91	0.00
80 T	4-Bromophenyl phenyl ether	0.424	0.388	8.5	94	0.00
81 T	Hexachlorobenzene	0.475	0.430	9.5	94	0.00
82 T	Pentachlorophenol	0.280	0.274	2.1	99	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	97	0.00
89 T	Phenanthrene	1.202	1.131	5.9	94	0.00
90 T	Anthracene	1.178	1.121	4.8	93	0.00
91 T	Carbazole	1.081	1.084	-0.3	94	0.00
92 T	Di-n-butylphthalate	1.266	1.236	2.4	90	0.00
93 T	Fluoranthene	1.296	1.246	3.9	93	0.00
94 T	Benzidine	0.831	0.779	6.3	90	0.00
95 T	Pyrene	1.383	1.327	4.0	93	0.00
96 S	4-Terphenyl-d14	0.982	0.889	9.5	90	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250906RVT\
 Data File : ABN0906.D
 Acq On : 6 Sep 2025 7:22 am
 Operator : SV106:jg
 Sample : WG2111447-3,32,,ABN 11881 cmm0831A
 Misc : WG2111447,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 06 07:55:36 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 07:56:18 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.529	0.537	-1.5	93	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	96	0.00
105 T	Benzo(a)anthracene	1.349	1.285	4.7	94	0.00
106 T	3,3'-Dichlorobenzidine	0.464	0.470	-1.3	91	0.00
107 T	Chrysene	1.336	1.241	7.1	93	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.846	0.835	1.3	89	0.00
109 T	Di-n-octylphthalate	1.419	1.413	0.4	94	0.00
110 T	Benzo(b)fluoranthene	1.278	1.311	-2.6	101	0.00
111 T	Benzo(k)fluoranthene	1.303	1.306	-0.2	94	0.00
112 T	Benzo(a)pyrene	1.197	1.250	-4.4	98	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	100	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.141	1.133	0.7	99	0.00
115 T	Dibenzo(a,h)anthracene	1.181	1.171	0.8	98	0.00
116 T	Benzo(ghi)perylene	1.164	1.154	0.9	100	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : ABN0906.D
 Acq On : 6 Sep 2025 7:22 am
 Operator : SV106:jg
 Sample : WG2111447-3,32,,ABN 11881 cmm0831A
 Misc : WG2111447,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 06 07:55:36 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 07:56:18 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.258	152	34864	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	5.529	136	139947	4.000	ug/ml	# 0.00
63) IS1_Acenaphthene-d10	7.263	164	79965	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	8.709	188	150523	4.000	ug/ml	# 0.00
104) IS1_Chrysene-d12	11.344	240	150493	4.000	ug/ml	# 0.00
113) IS1_Perylene-d12	12.805	264	165387	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.924	112	49640	5.150	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	257.50%#	
7) Phenol-d6	3.950	99	59944	5.218	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	260.90%#	
19) Nitrobenzene-d5	4.823	82	54183	5.069	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	506.90%#	
46) 2-Fluorobiphenyl	6.629	172	132417	4.612	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	461.20%#	
79) 2,4,6-Tribromophenol	8.037	330	18295	4.719	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	235.95%#	
96) 4-Terphenyl-d14	10.315	244	167238	4.524	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	452.40%#	
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.507	74	30402	5.286	ug/ml#	70
3) Pyridine	1.538	79	50307	5.104	ug/ml#	66
5) Aniline	3.931	93	78833	5.203	ug/ml	95
6) 2-Chlorophenol	4.046	128	59137	5.095	ug/ml#	90
8) Phenol	3.966	94	65613	5.224	ug/ml	93
9) Bis(2-chloroethyl)ether	4.028	93	51290	5.149	ug/ml	96
10) 1,3-Dichlorobenzene	4.199	146	69632	4.999	ug/ml	97
11) 1,4-Dichlorobenzene	4.276	146	70951	4.982	ug/ml	96
12) 1,2-Dichlorobenzene	4.426	146	68040	4.967	ug/ml	96
13) Benzyl alcohol	4.432	79	42296	5.033	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.590	45	81413	5.003	ug/ml#	59
15) 2-Methylphenol	4.575	108	50382	5.235	ug/ml	99
16) Hexachloroethane	4.761	117	27114	5.169	ug/ml#	75
17) n-Nitrosodi-n-propylamine	4.712	70	36545	5.148	ug/ml	94
18) 3-Methylphenol/4-Methy...	4.739	108	54859	5.215	ug/ml	99
20) Nitrobenzene	4.842	77	56263	5.122	ug/ml	95
21) Isophorone	5.094	82	99393	4.967	ug/ml	98
22) 2-Nitrophenol	5.165	139	29965	5.371	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : ABN0906.D
 Acq On : 6 Sep 2025 7:22 am
 Operator : SV106:jg
 Sample : WG2111447-3,32,,ABN 11881 cmm0831A
 Misc : WG2111447,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 06 07:55:36 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 07:56:18 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	5.262	107	56060	5.059	ug/ml	96
24)	Bis(2-chloroethoxy)met...	5.349	93	68363	5.072	ug/ml	99
25)	2,4-Dichlorophenol	5.414	162	53015	5.200	ug/ml	95
26)	1,2,4-Trichlorobenzene	5.489	180	58689	4.900	ug/ml	97
36)	Naphthalene	5.551	128	183722	4.853	ug/ml	99
37)	Benzoic Acid	5.346	105	33838	4.299	ug/ml	92
38)	4-Chloroaniline	5.632	65	19773	4.829	ug/ml#	56
39)	Hexachlorobutadiene	5.712	225	33222	4.738	ug/ml	99
40)	p-Chloro-m-cresol	6.151	107	48804	4.914	ug/ml	94
41)	2-Methylnaphthalene	6.244	142	110331	4.922	ug/ml	95
42)	1-Methylnaphthalene	6.337	115	37908	4.769	ug/ml	89
43)	Hexachlorocyclopentadiene	6.421	237	41711	4.692	ug/ml	99
44)	2,4,6-Trichlorophenol	6.542	196	38594	5.171	ug/ml	98
45)	2,4,5-Trichlorophenol	6.573	196	42225	5.041	ug/ml	99
47)	2-Chloronaphthalene	6.716	162	120114	4.723	ug/ml	96
48)	2-Nitroaniline	6.837	138	37103	5.145	ug/ml#	81
49)	1,4-Dinitrobenzene	6.974	168	16402	4.829	ug/ml	79
50)	1,3-Dinitrobenzene	7.049	168	18978	4.854	ug/ml#	1
51)	Dimethyl phthalate	7.052	163	138234	4.611	ug/ml#	98
52)	Acenaphthylene	7.117	152	196747	4.806	ug/ml	99
53)	2,6-Dinitrotoluene	7.089	165	29253	5.003	ug/ml#	75
54)	1,2-Dinitrobenzene	7.127	168	12661	4.978	ug/ml#	1
64)	3-Nitroaniline	7.242	138	36029	5.276	ug/ml#	86
65)	Acenaphthene	7.294	154	109803	4.836	ug/ml	91
66)	2,4-Dinitrophenol	7.344	184	14314	4.324	ug/ml	88
67)	Dibenzofuran	7.465	168	178530	4.842	ug/ml	91
68)	2,4-Dinitrotoluene	7.481	165	40738	5.299	ug/ml	89
69)	4-Nitrophenol	7.447	65	25168	5.287	ug/ml#	74
70)	2,3,5,6-Tetrachlorophenol	7.562	232	35431	5.217	ug/ml	98
71)	2,3,4,6-Tetrachlorophenol	7.605	232	34746	5.267	ug/ml	97
72)	Diethyl phthalate	7.754	149	142775	4.710	ug/ml	99
73)	Fluorene	7.801	166	137265	4.745	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.829	204	64332	4.674	ug/ml	92
75)	4-Nitroaniline	7.835	138	35611	5.286	ug/ml#	79
76)	4,6-Dinitro-o-cresol	7.872	198	20768	4.858	ug/ml#	67
77)	NDPA/DPA	7.947	169	117556	4.862	ug/ml	94
78)	Azobenzene	7.978	77	125524	4.937	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.301	248	38766	4.570	ug/ml#	85
81)	Hexachlorobenzene	8.345	284	43029	4.531	ug/ml#	87
82)	Pentachlorophenol	8.544	266	27383	4.897	ug/ml	99
89)	Phenanthrene	8.730	178	212854	4.705	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : ABN0906.D
 Acq On : 6 Sep 2025 7:22 am
 Operator : SV106:jg
 Sample : WG2111447-3,32,,ABN 11881 cmm0831A
 Misc : WG2111447,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 06 07:55:36 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 07:56:18 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

90)	Anthracene	8.780	178	210835	4.757	ug/ml	99
91)	Carbazole	8.957	167	203900	5.011	ug/ml	98
92)	Di-n-butylphthalate	9.374	149	232525	4.881	ug/ml	98
93)	Fluoranthene	9.896	202	234516	4.809	ug/ml#	94
94)	Benazidine	10.064	184	146548	4.684	ug/ml#	96
95)	Pyrene	10.110	202	249679	4.799	ug/ml	99
97)	Butyl benzyl phthalate	10.847	149	101108	5.079	ug/ml	87
105)	Benzo(a)anthracene	11.335	228	241823	4.764	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.347	252	88494	5.066	ug/ml	99
107)	Chrysene	11.372	228	233523	4.645	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.490	149	157148	4.934	ug/ml#	91
109)	Di-n-octylphthalate	12.168	149	265782	4.979	ug/ml#	73
110)	Benzo(b)fluoranthene	12.435	252	246593	5.130	ug/ml	97
111)	Benzo(k)fluoranthene	12.463	252	245711	5.012	ug/ml	96
112)	Benzo(a)pyrene	12.746	252	235157	5.221	ug/ml	97
114)	Indeno(1,2,3-cd)pyrene	13.765	276	234142	4.965	ug/mL	97
115)	Dibenzo(a,h)anthracene	13.790	278	242032	4.956	ug/ml	95
116)	Benzo(ghi)perylene	13.989	276	238572	4.959	ug/ml	95

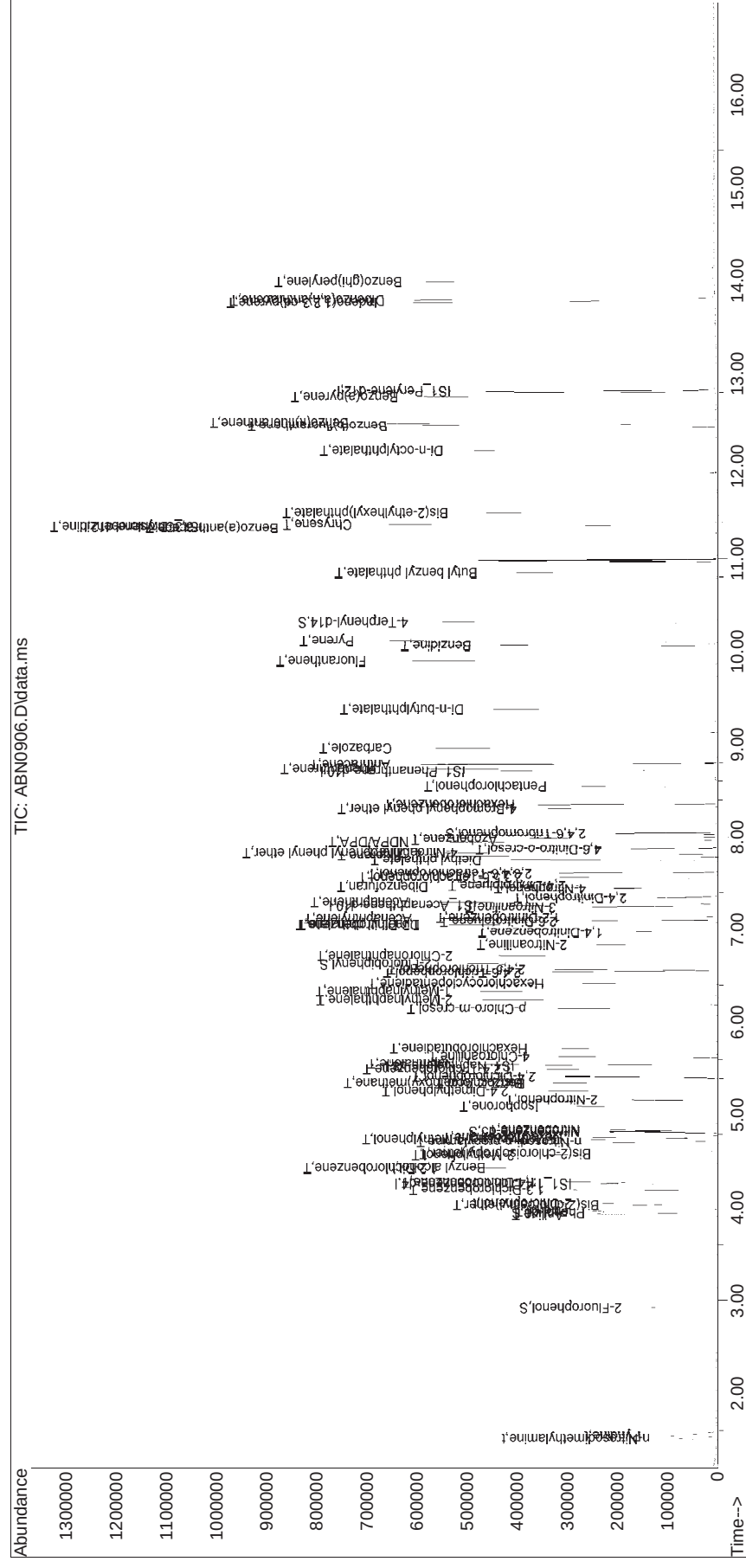
(#) = qualifier out of range (m) = manual integration (+) = signals summed

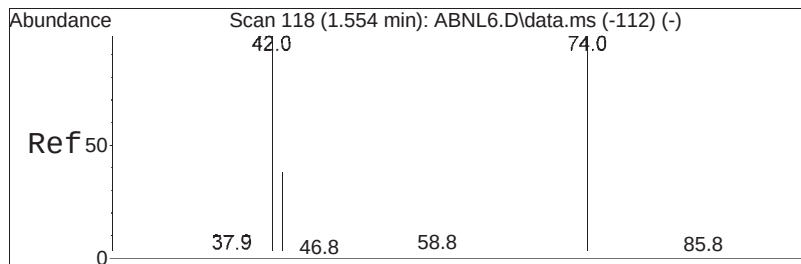
Quantitation Report

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Data Path      : I:\8270\SV106\250906RVT\
Data File     : ABN0906.D
Acq On        : 6 Sep 2025 7:22 am
Operator      : SV106:jg
Sample        : WG2111447-3,32,,ABN 11881 cmm0831A
Misc          : WG2111447,,ical22591
ALS Vial      : 142 Sample Multiplier: 1
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Quant Time: Sep 06 07:55:36 2025
Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 06 07:56:18 2025
Response via : Initial Calibration

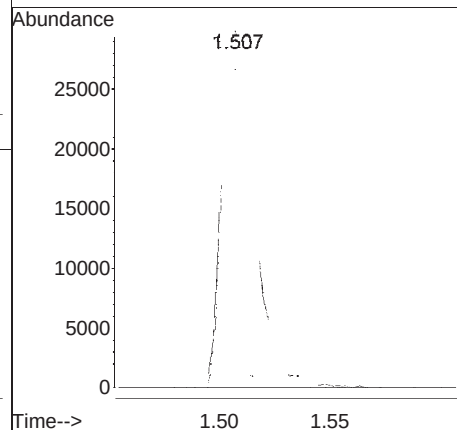
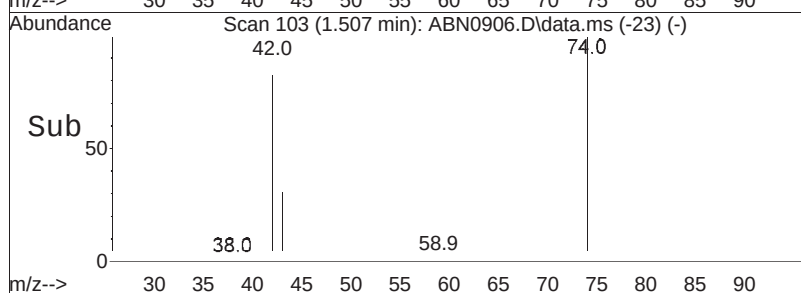
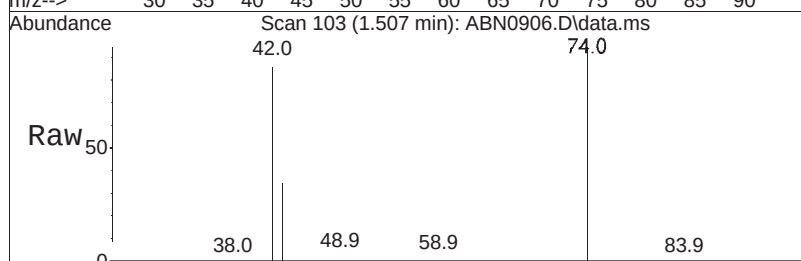
Sub List : ABNical - ABNical sublist

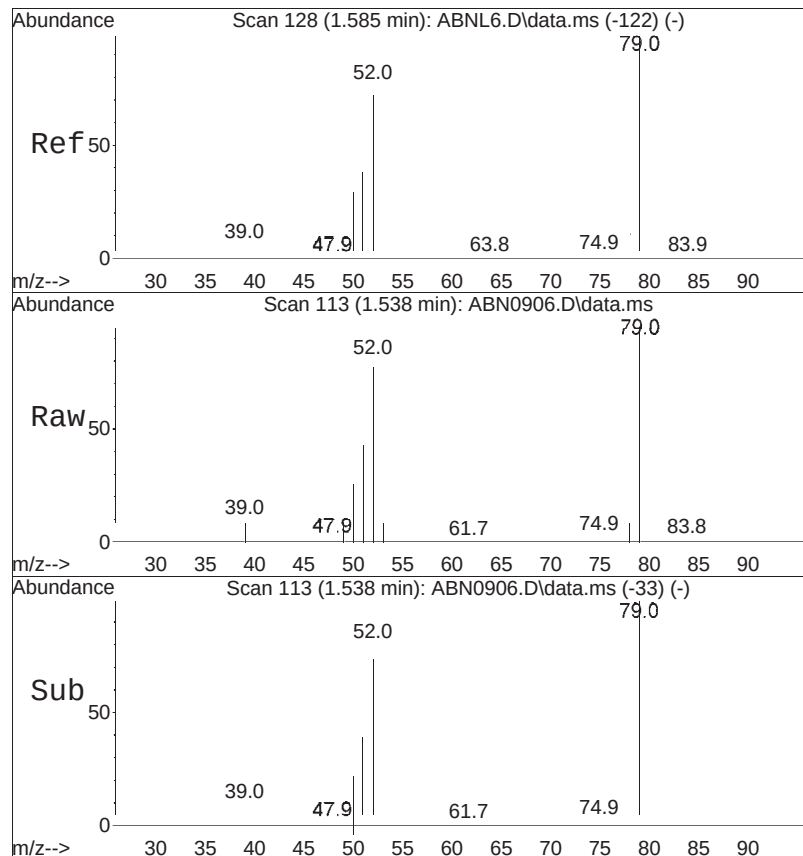




#2
 n-Nitrosodimethylamine
 Concen: 5.29 ug/ml
 RT: 1.507 min Scan# 103
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

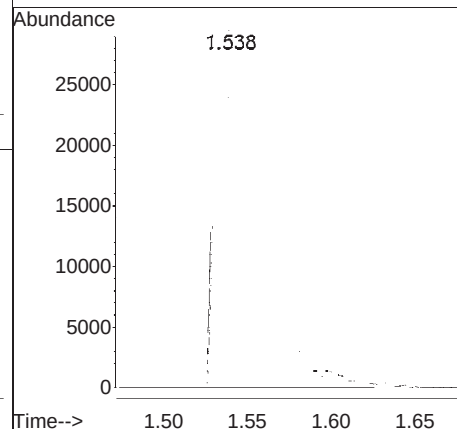
Tgt Ion: 74 Resp: 30402
 Ion Ratio Lower Upper
 74 100
 42 88.6 100.0 150.0#
 44 7.1 6.7 10.1

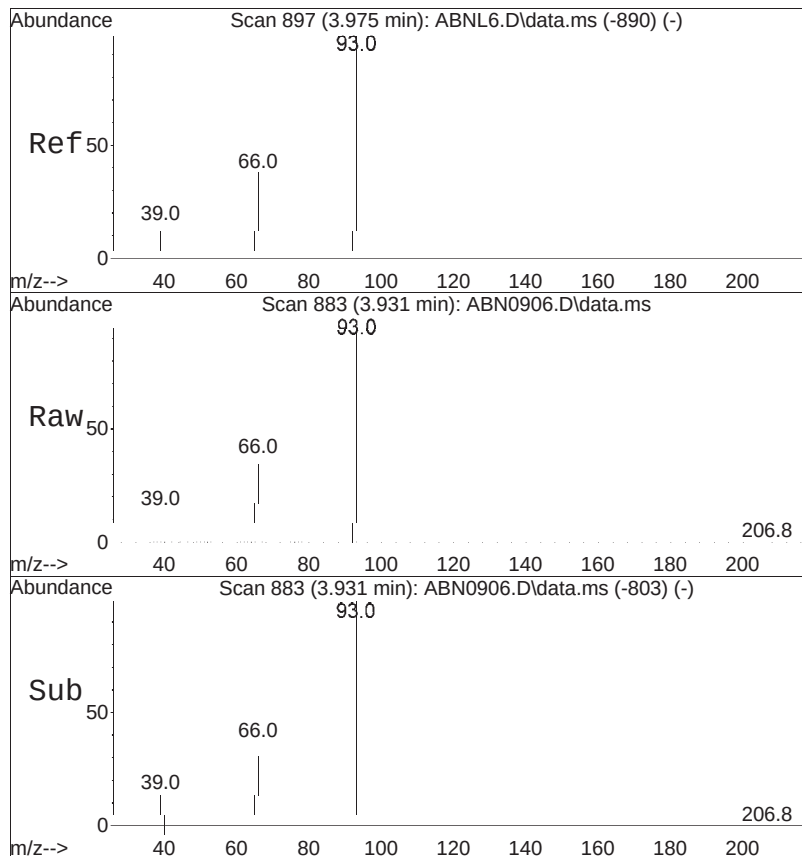




#3
 Pyridine
 Concen: 5.10 ug/ml
 RT: 1.538 min Scan# 113
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

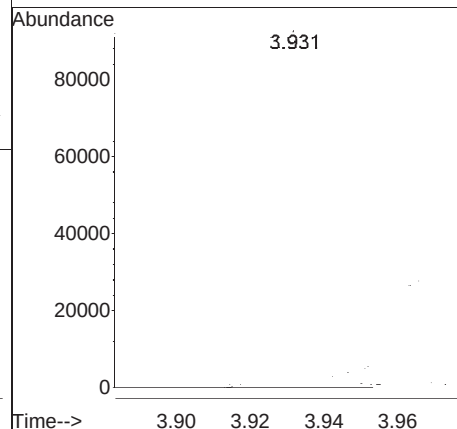
Tgt Ion	Ratio	Lower	Upper
79	100		
52	78.8	93.1	139.7#

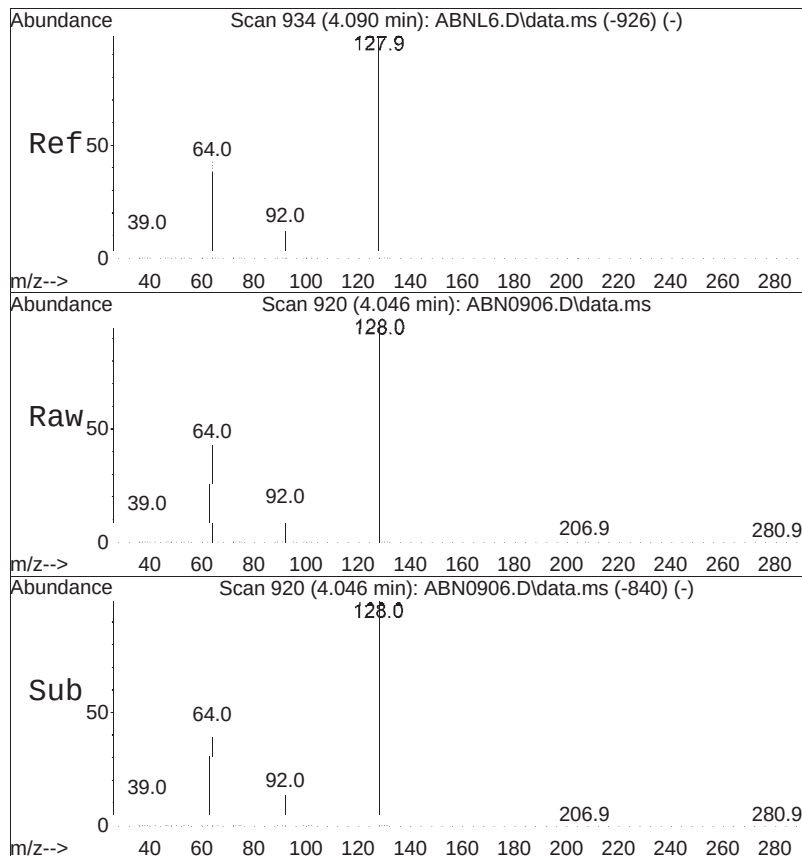




#5
 Aniline
 Concen: 5.20 ug/ml
 RT: 3.931 min Scan# 883
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

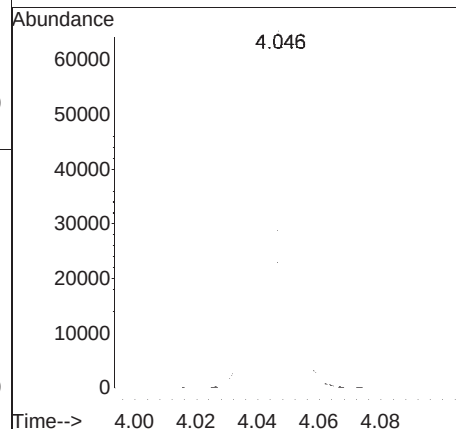
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	78833		
66	38.0		32.6	49.0
65	19.4		17.6	26.4

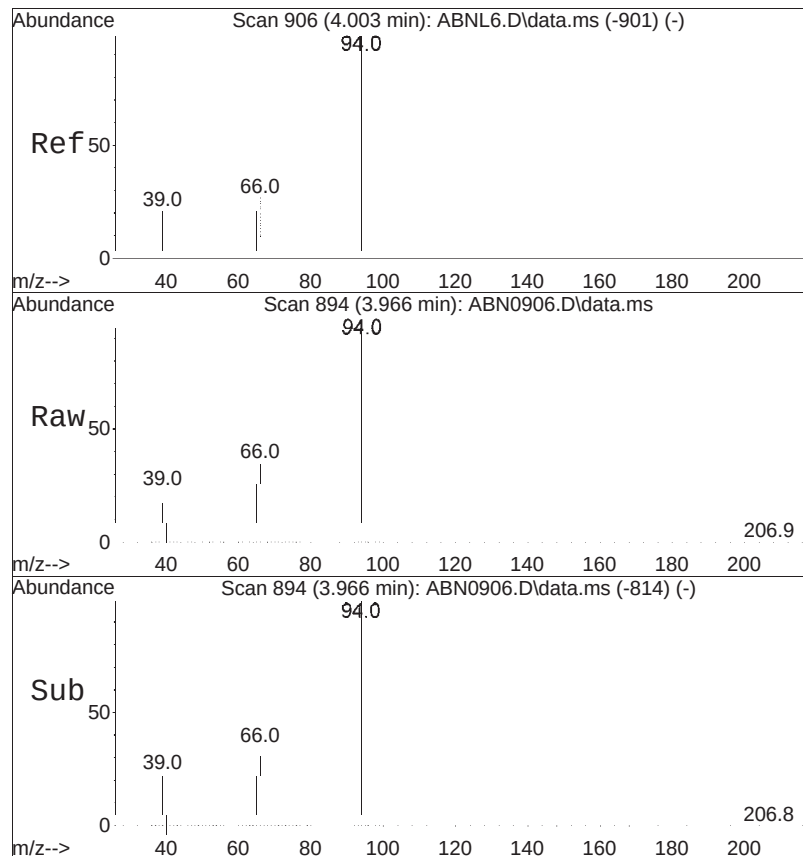




#6
 2-Chlorophenol
 Concen: 5.09 ug/ml
 RT: 4.046 min Scan# 920
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

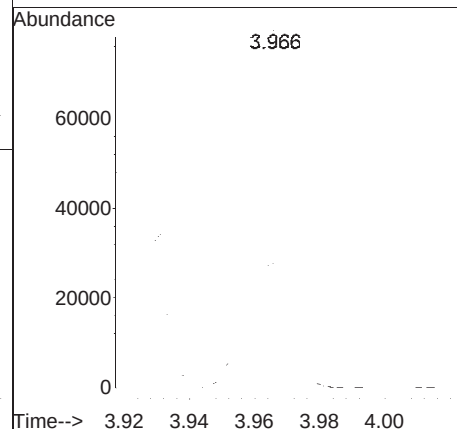
Tgt	Ion:128	Resp:	59137
Ion	Ratio	Lower	Upper
128	100		
64	44.4	45.1	67.7#
130	32.9	26.2	39.4

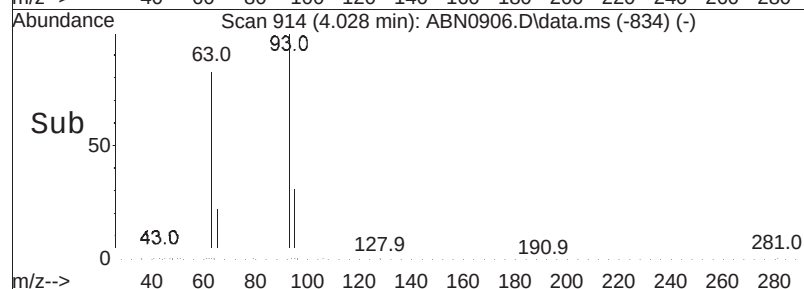
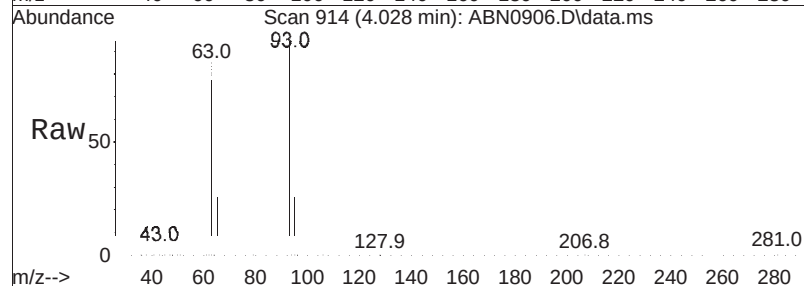
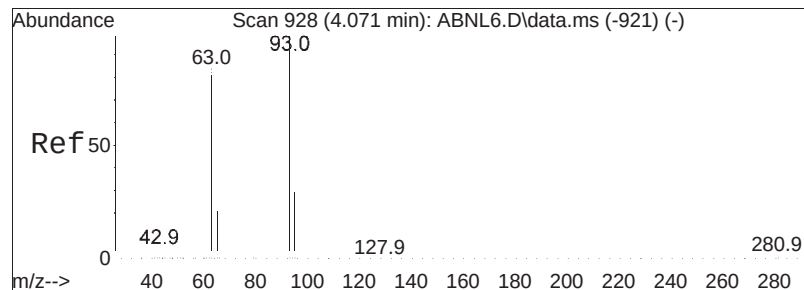




#8
 Phenol
 Concen: 5.22 ug/ml
 RT: 3.966 min Scan# 894
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

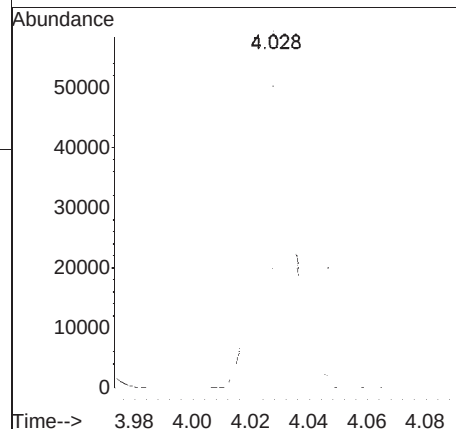
Tgt Ion:	94	Resp:	65613
Ion Ratio	Lower	Upper	
94	100		
65	28.5	26.0	39.0
66	38.3	33.8	50.8

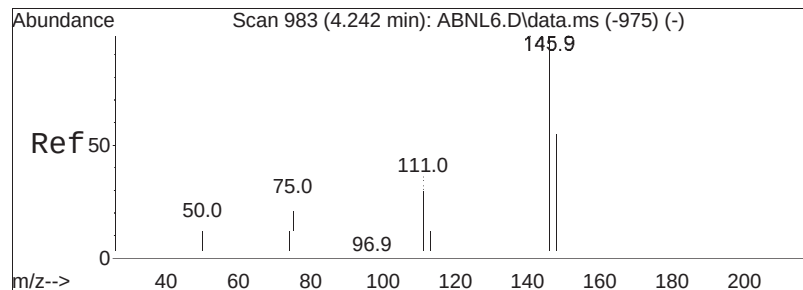




#9
 Bis(2-chloroethyl)ether
 Concen: 5.15 ug/ml
 RT: 4.028 min Scan# 914
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

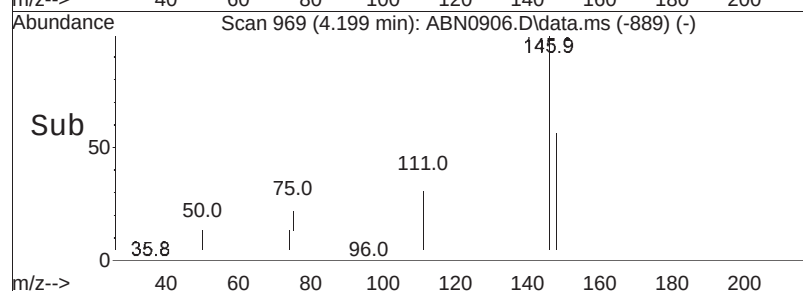
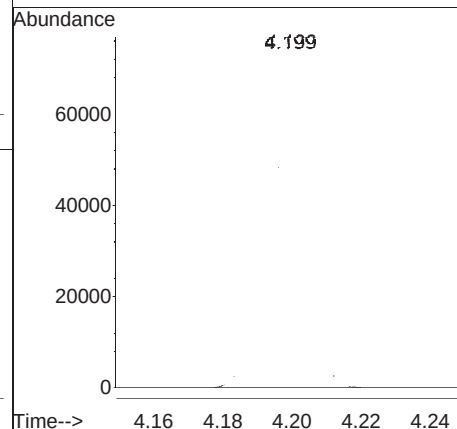
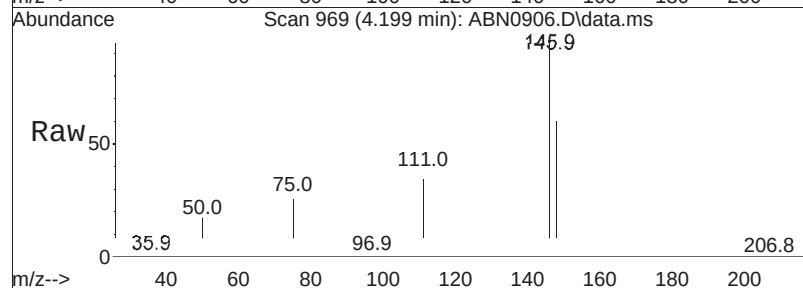
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	51290		
63	87.8		74.6	111.8
95	32.1		25.9	38.9

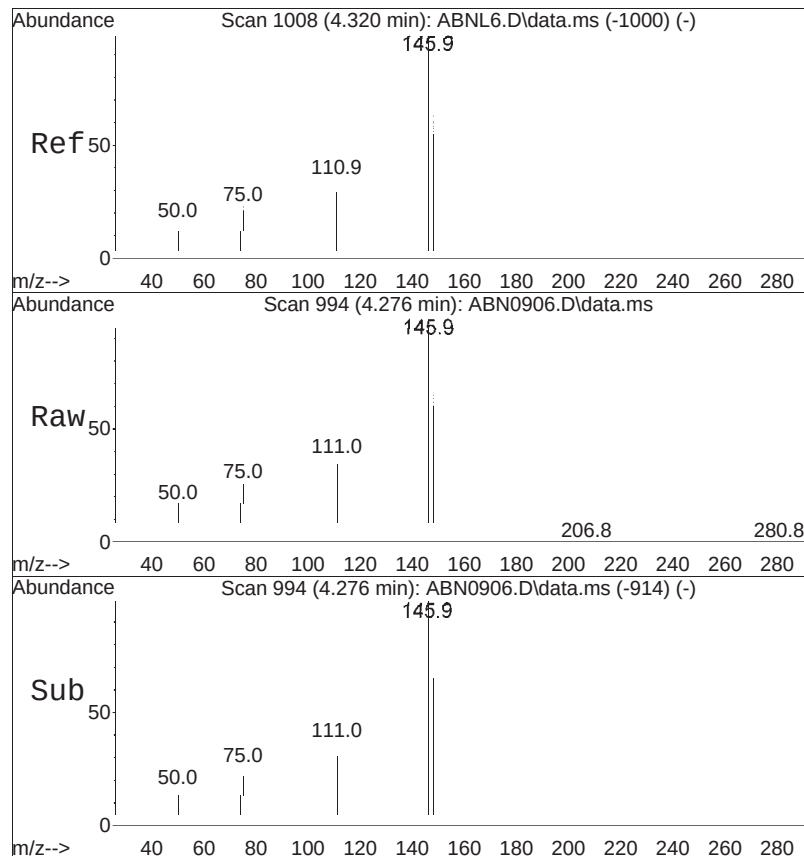




#10
 1,3-Dichlorobenzene
 Concen: 5.00 ug/ml
 RT: 4.199 min Scan# 969
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

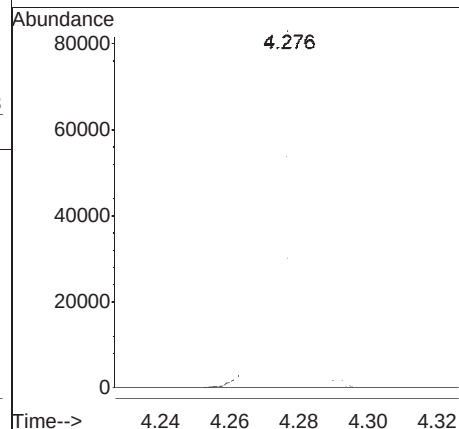
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	34.3	51.5
148	63.6	50.8	76.2

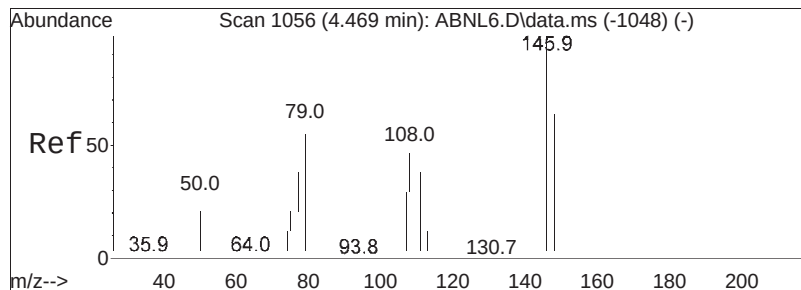




#11
 1,4-Dichlorobenzene
 Concen: 4.98 ug/ml
 RT: 4.276 min Scan# 994
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

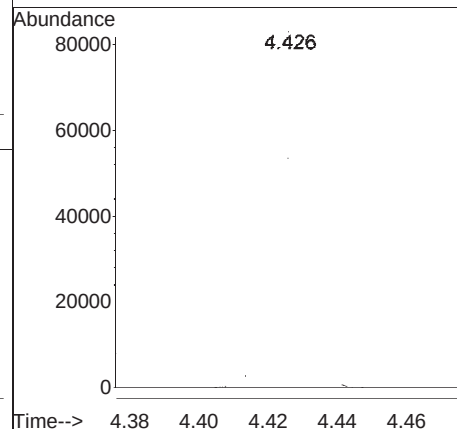
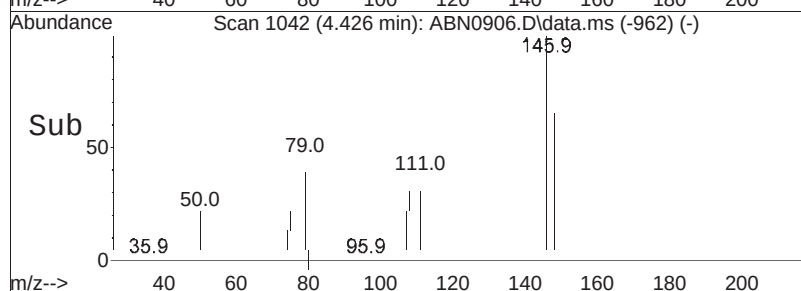
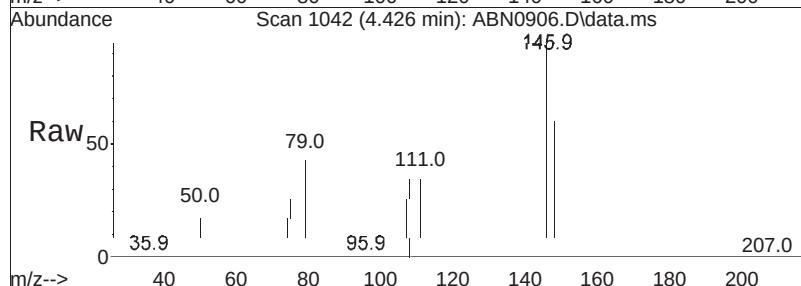
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.7	76.1
111	36.7	33.4	50.0

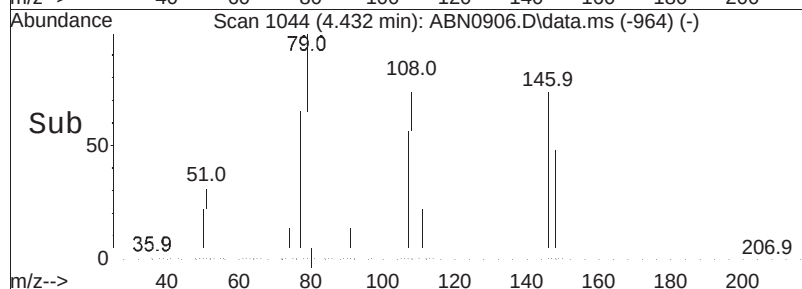
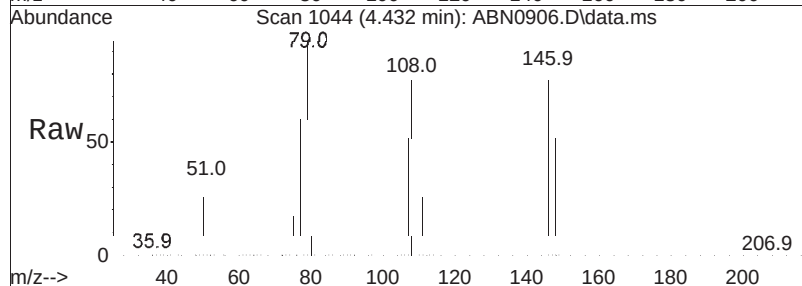
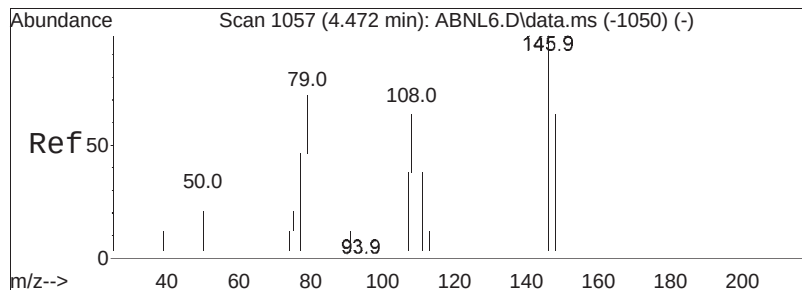




#12
 1,2-Dichlorobenzene
 Concen: 4.97 ug/ml
 RT: 4.426 min Scan# 1042
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion:	146	Resp:	68040
Ion Ratio	Lower	Upper	
146	100		
111	38.4	34.6	52.0
148	64.3	50.2	75.4





#13

Benzyl alcohol

Concen: 5.03 ug/ml

RT: 4.432 min Scan# 1044

Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

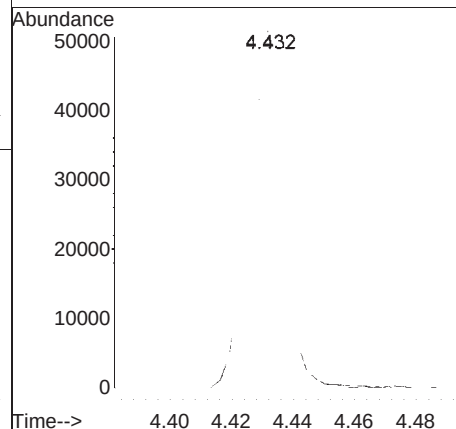
Tgt Ion: 79 Resp: 42296

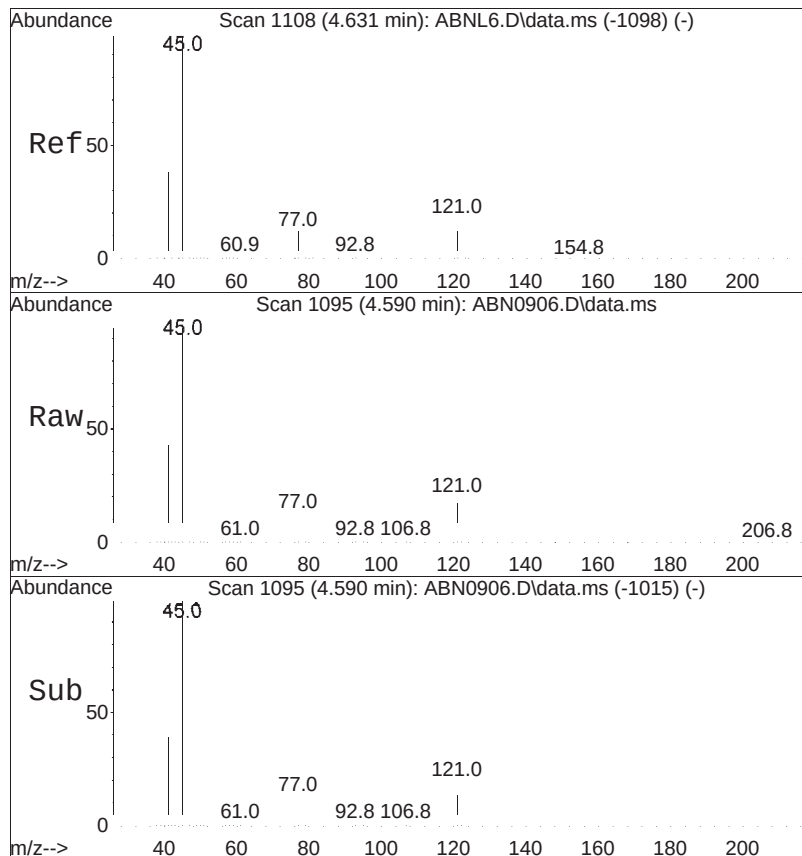
Ion Ratio Lower Upper

79 100

77 67.8 54.9 82.3

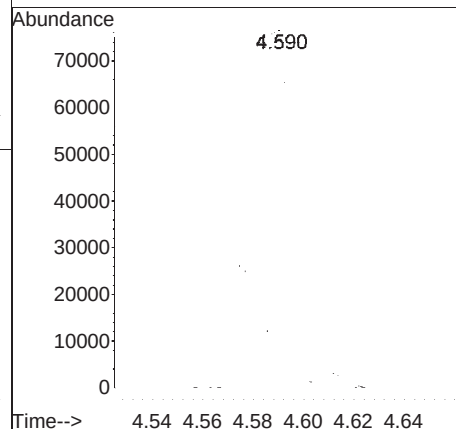
108 84.2 63.1 94.7

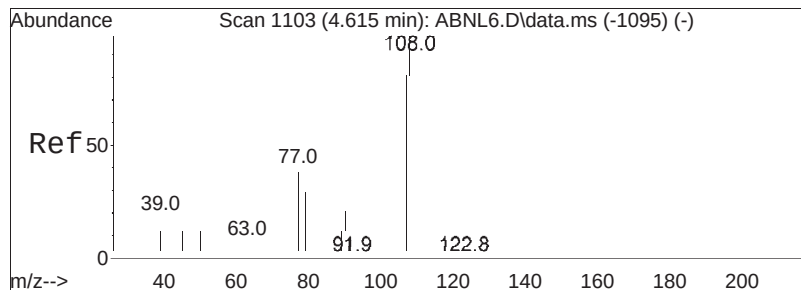




#14
 Bis(2-chloroisopropyl)ether
 Concen: 5.00 ug/ml
 RT: 4.590 min Scan# 1095
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

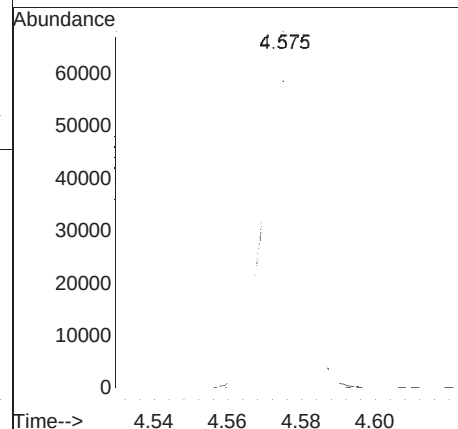
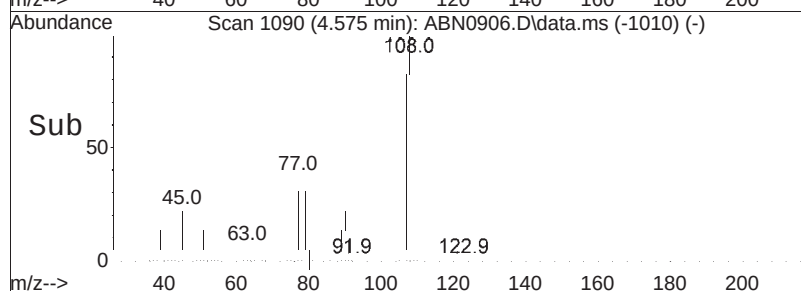
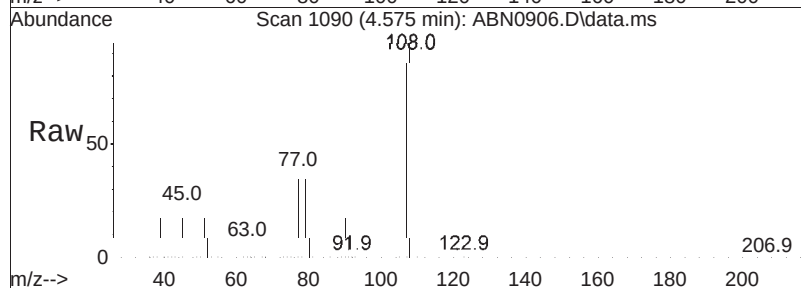
Tgt Ion	Ratio	Resp Lower	Resp Upper
45	100		
121	18.3	9.8	14.6#
77	36.3	6.1	9.1#

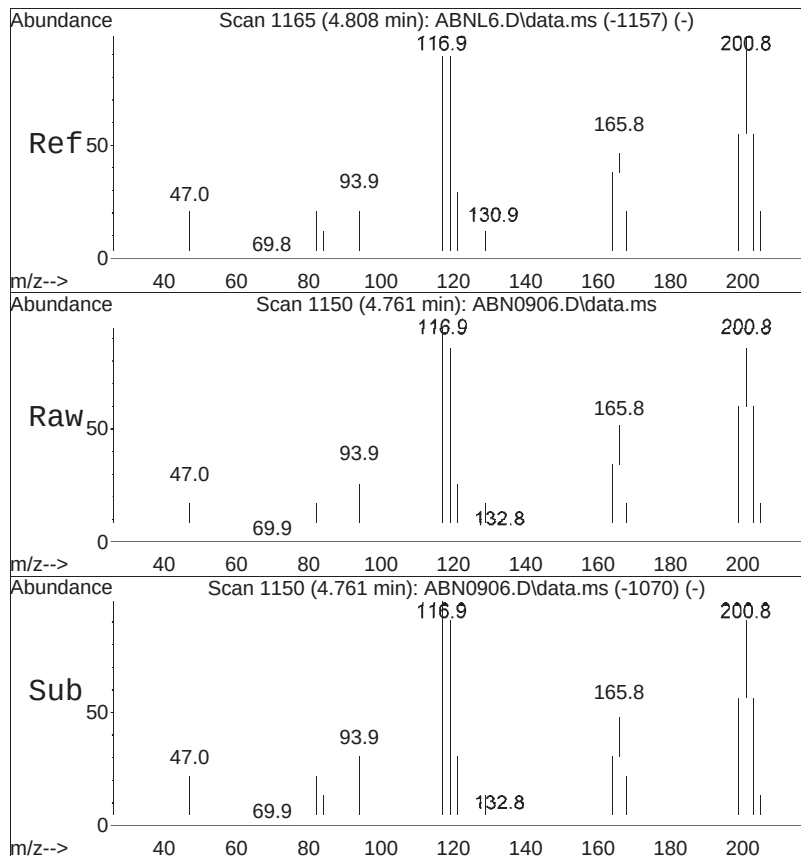




#15
 2-Methylphenol
 Concen: 5.24 ug/ml
 RT: 4.575 min Scan# 1090
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

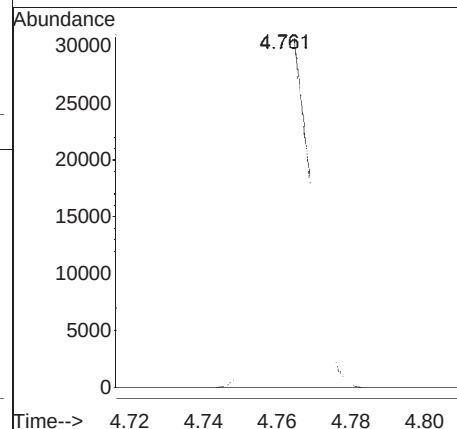
Tgt Ion	Ratio	Lower	Upper
108	100		
107	89.2	70.7	106.1
90	24.1	18.7	28.1

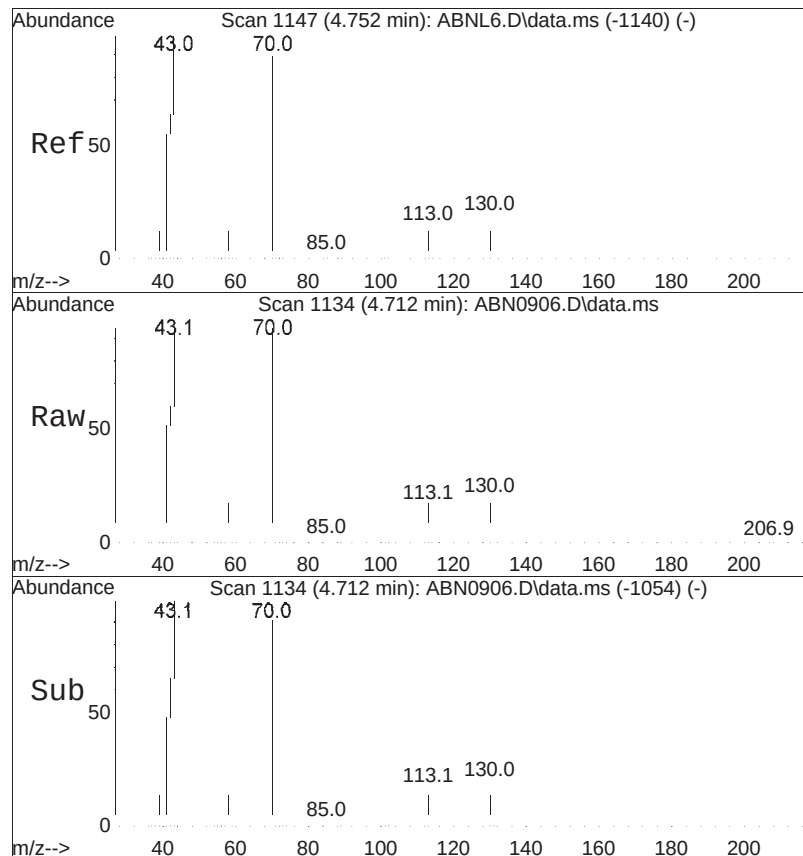




#16
 Hexachloroethane
 Concen: 5.17 ug/ml
 RT: 4.761 min Scan# 1150
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

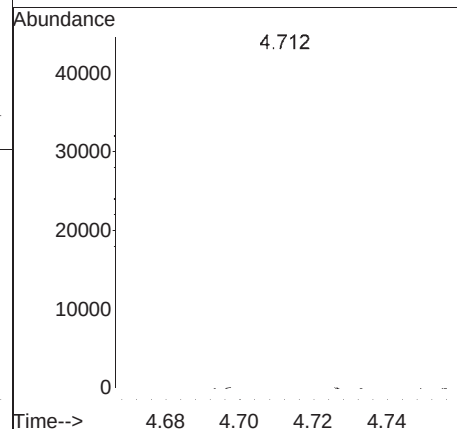
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27114		
201	95.6	58.6	87.8#	
199	60.1	36.9	55.3#	

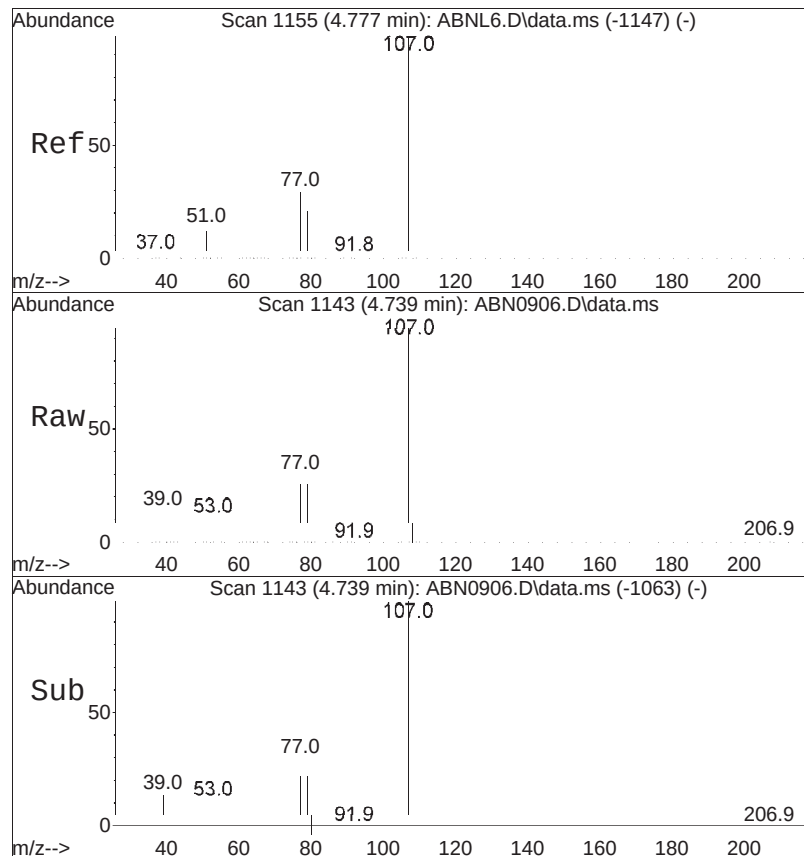




#17
 n-Nitrosodi-n-propylamine
 Concen: 5.15 ug/ml
 RT: 4.712 min Scan# 1134
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

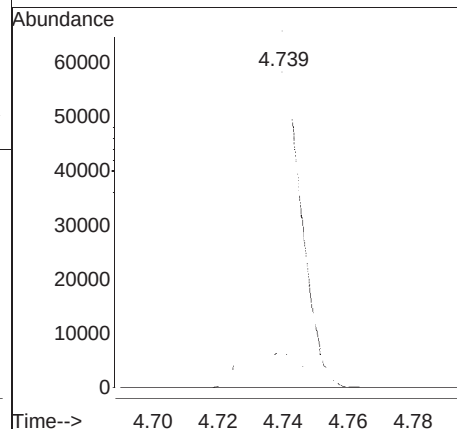
Tgt Ion:	70	Resp:	36545
Ion Ratio	Lower	Upper	
70	100		
130	19.2	18.2	27.4
101	9.2	7.8	11.8

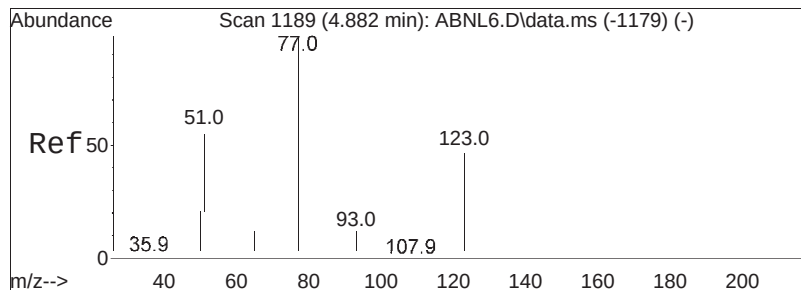




#18
 3-Methylphenol/4-Methylphenol
 Concen: 5.22 ug/ml
 RT: 4.739 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion:	108	Resp:	54859
Ion Ratio	Lower	Upper	
108	100		
107	111.5	88.6	132.8
90	10.8	8.8	13.2





#20

Nitrobenzene

Concen: 5.12 ug/ml

RT: 4.842 min Scan# 1176

Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

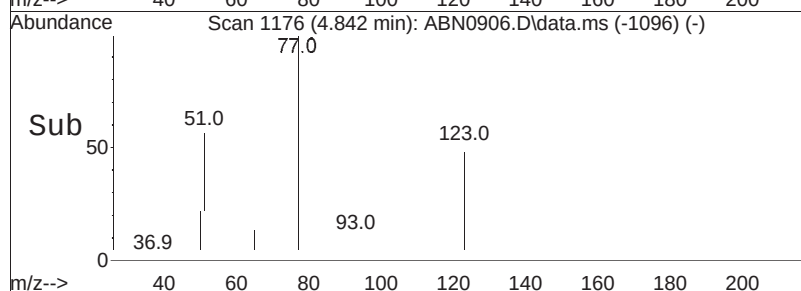
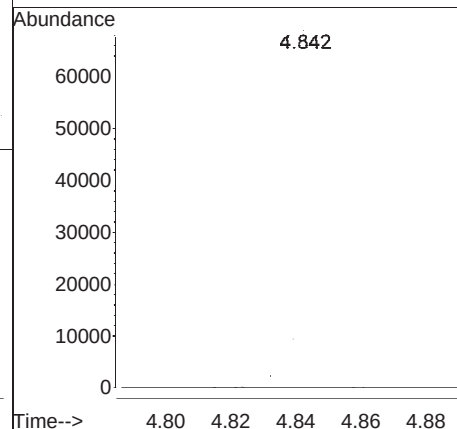
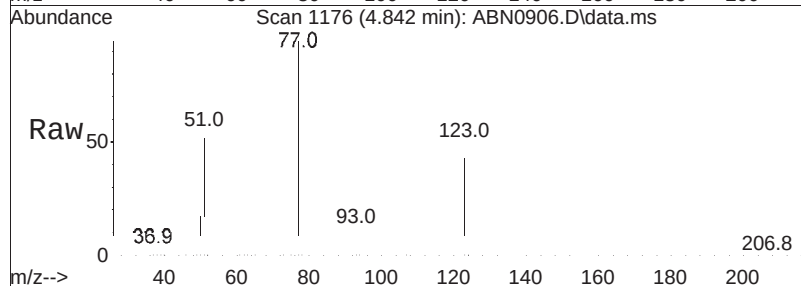
Tgt Ion: 77 Resp: 56263

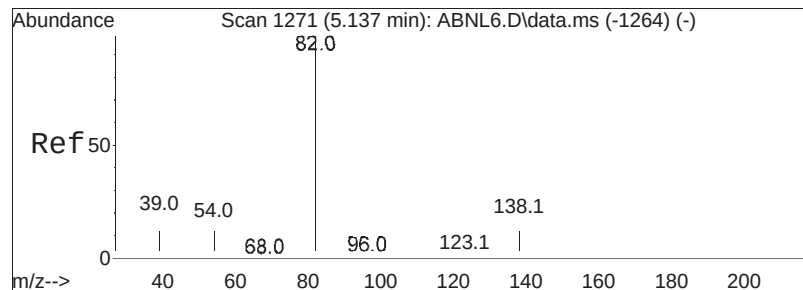
Ion Ratio Lower Upper

77 100

123 49.5 36.3 54.5

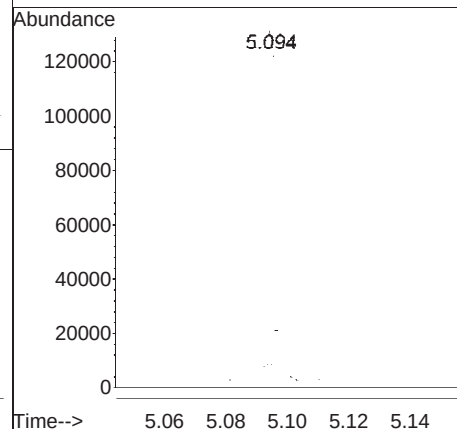
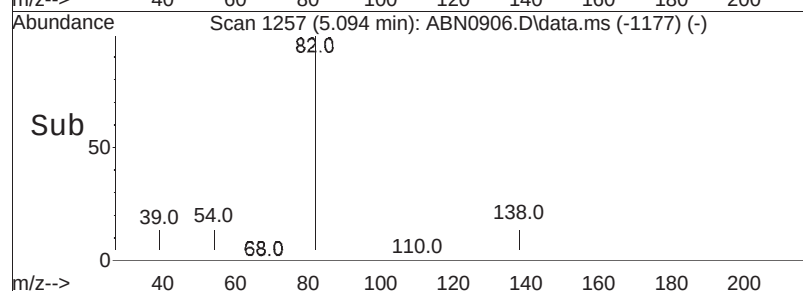
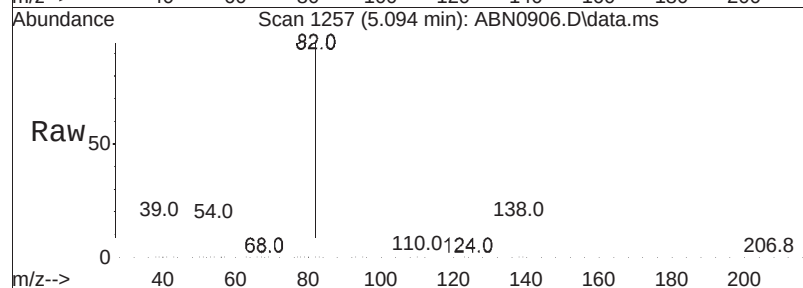
65 13.6 11.6 17.4

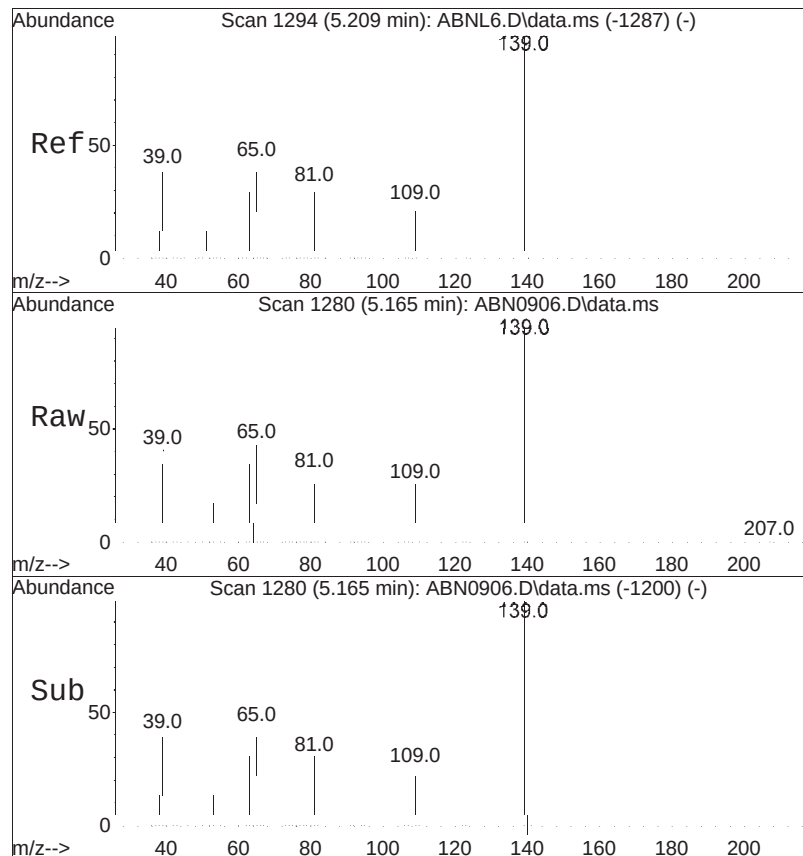




#21
 Isophorone
 Concen: 4.97 ug/ml
 RT: 5.094 min Scan# 1257
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

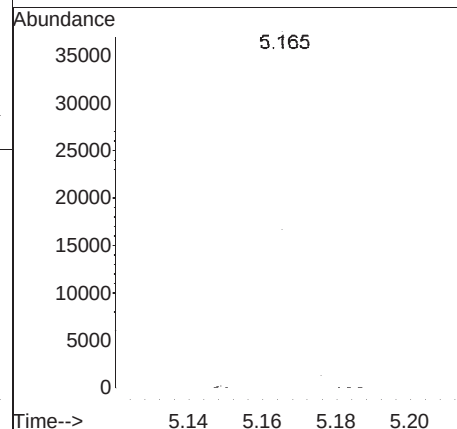
Tgt Ion	Ratio	Lower	Upper
82	100		
138	17.4	14.7	22.1
95	6.6	5.2	7.8

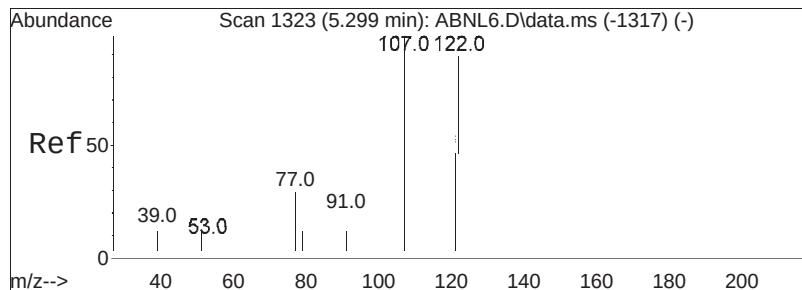




#22
 2-Nitrophenol
 Concen: 5.37 ug/ml
 RT: 5.165 min Scan# 1280
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion:	139	Resp:	29965
Ion Ratio	Lower	Upper	
139	100		
109	23.4	19.4	29.0
65	43.6	46.1	69.1#





#23

2,4-Dimethylphenol

Concen: 5.06 ug/ml

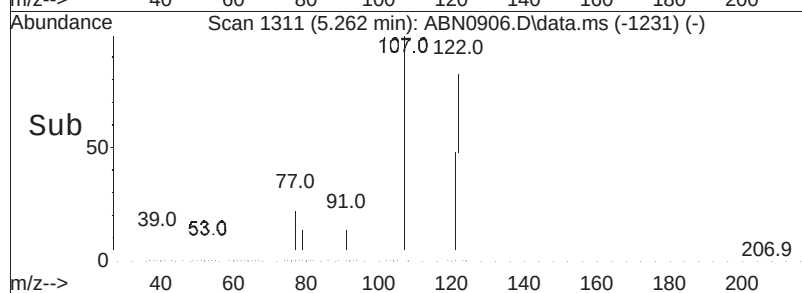
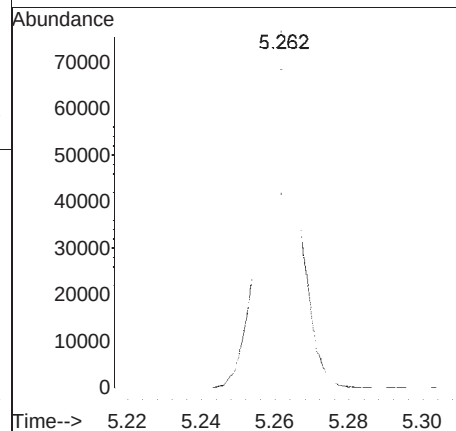
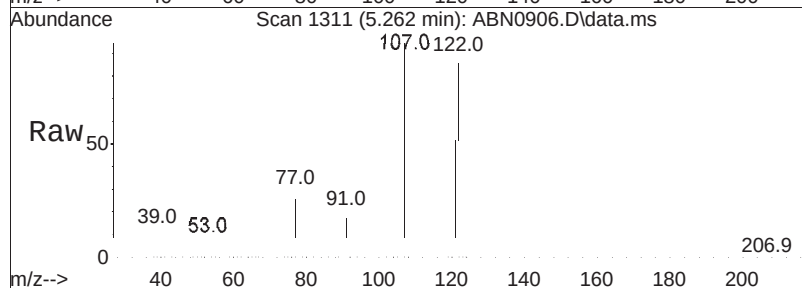
RT: 5.262 min Scan# 1311

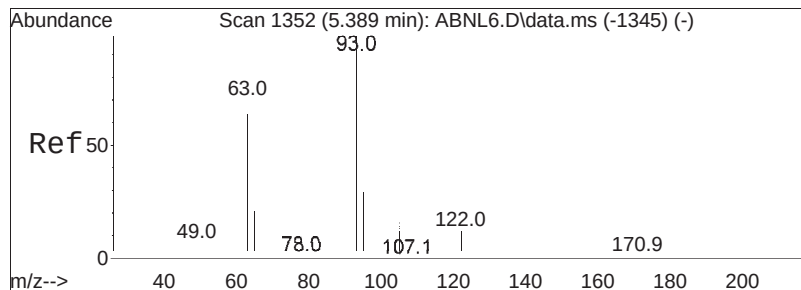
Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

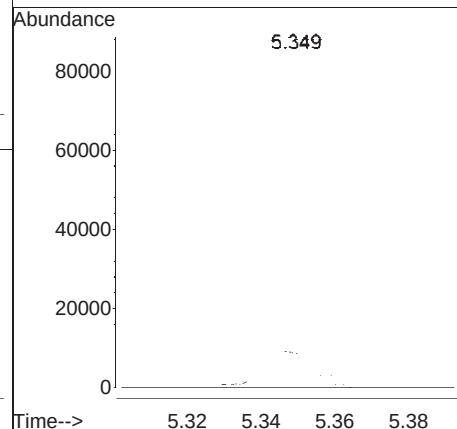
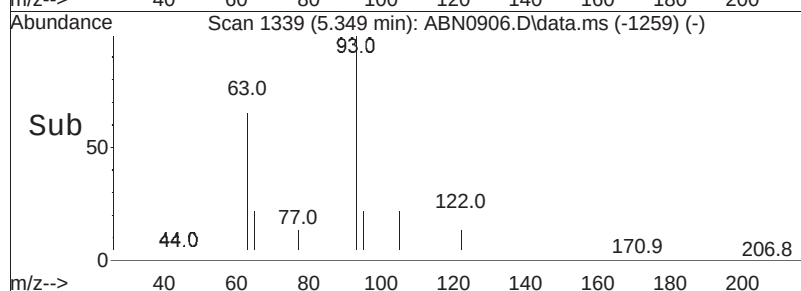
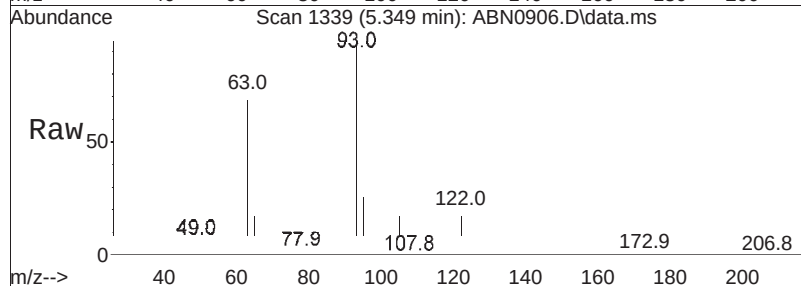
Tgt Ion:	107	Resp:	56060
Ion Ratio	Lower	Upper	
107	100		
121	53.0	40.0	60.0
122	91.6	70.2	105.4

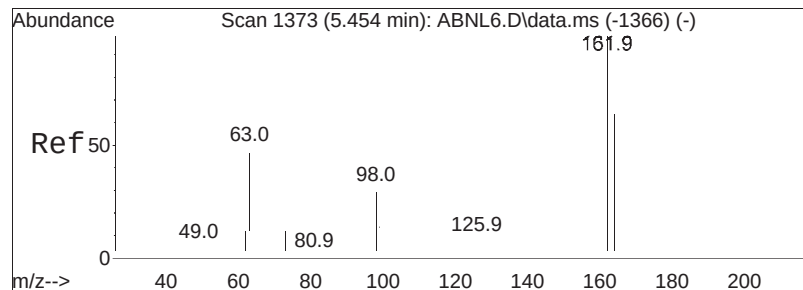




#24
 Bis(2-chloroethoxy)methane
 Concen: 5.07 ug/ml
 RT: 5.349 min Scan# 1339
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

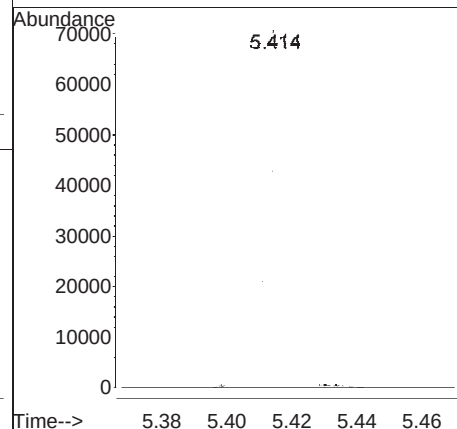
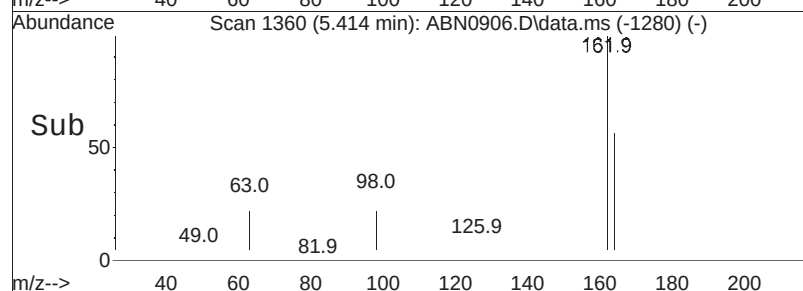
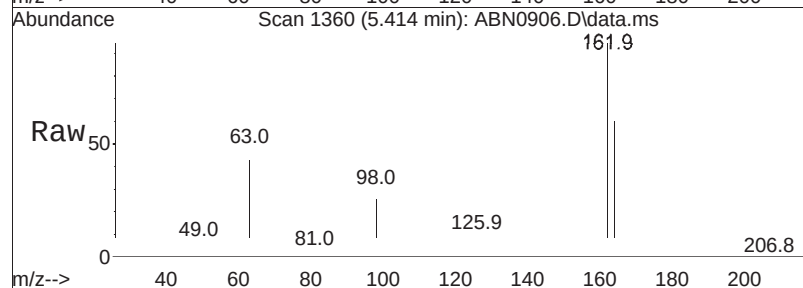
Tgt Ion:	93	Resp:	68363
Ion Ratio	Lower	Upper	
93	100		
95	32.9	25.8	38.8
123	12.6	10.1	15.1

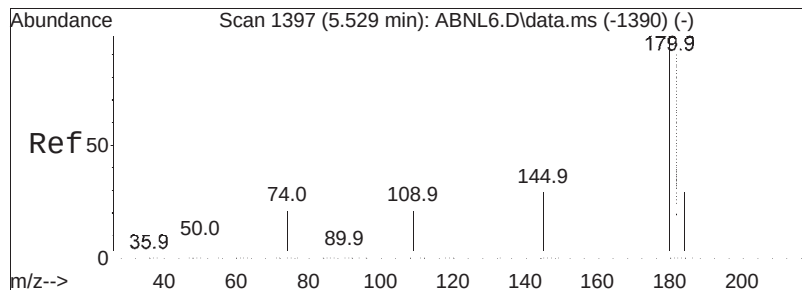




#25
 2,4-Dichlorophenol
 Concen: 5.20 ug/ml
 RT: 5.414 min Scan# 1360
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.1	51.0	76.4
98	32.4	32.2	48.2





#26

1,2,4-Trichlorobenzene

Concen: 4.90 ug/ml

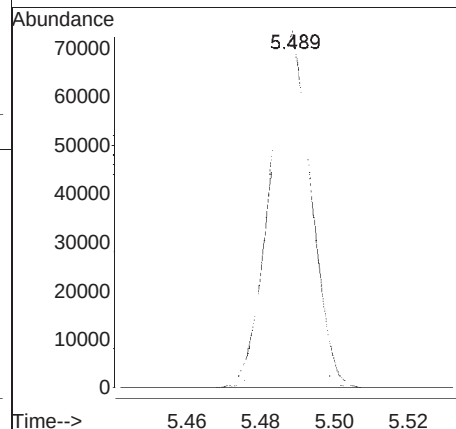
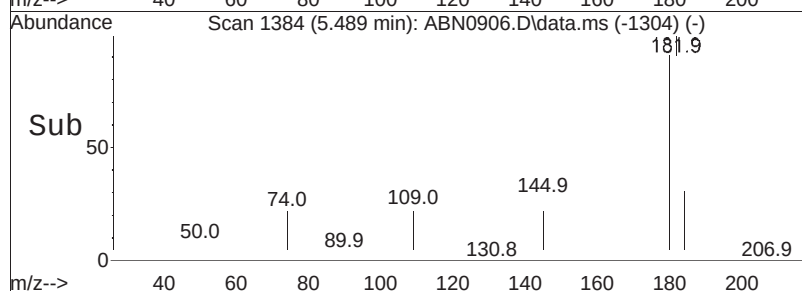
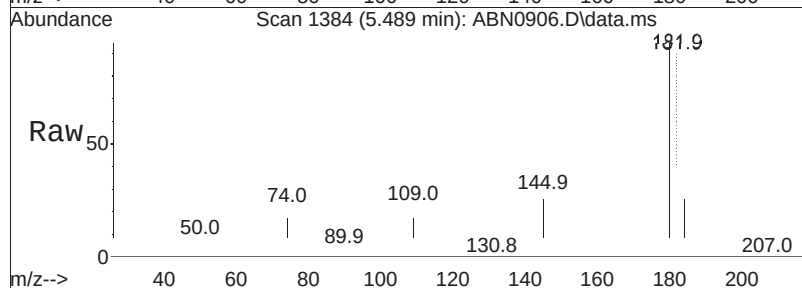
RT: 5.489 min Scan# 1384

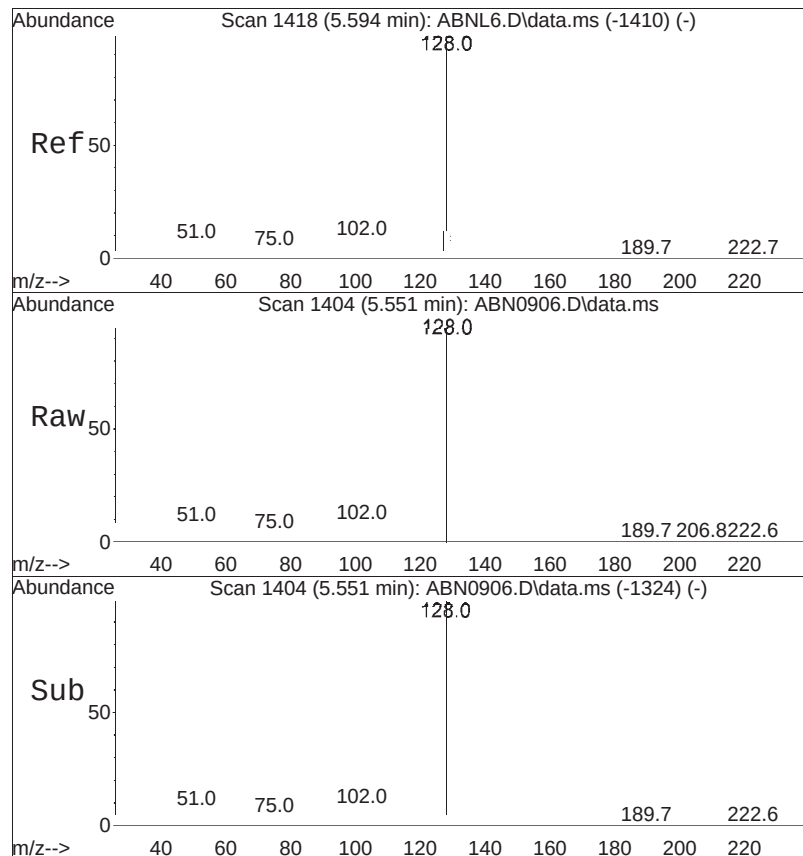
Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

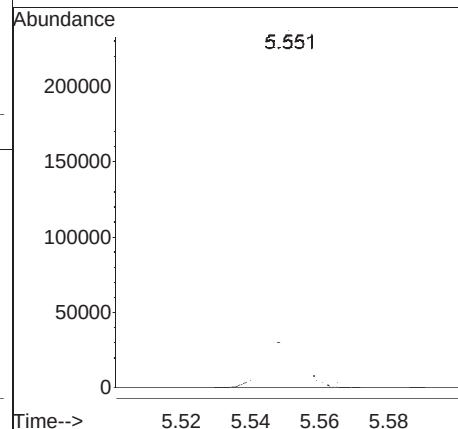
Tgt Ion:	180	Resp:	58689
Ion Ratio	Lower	Upper	
180	100		
182	96.8	76.0	114.0
145	28.9	25.7	38.5

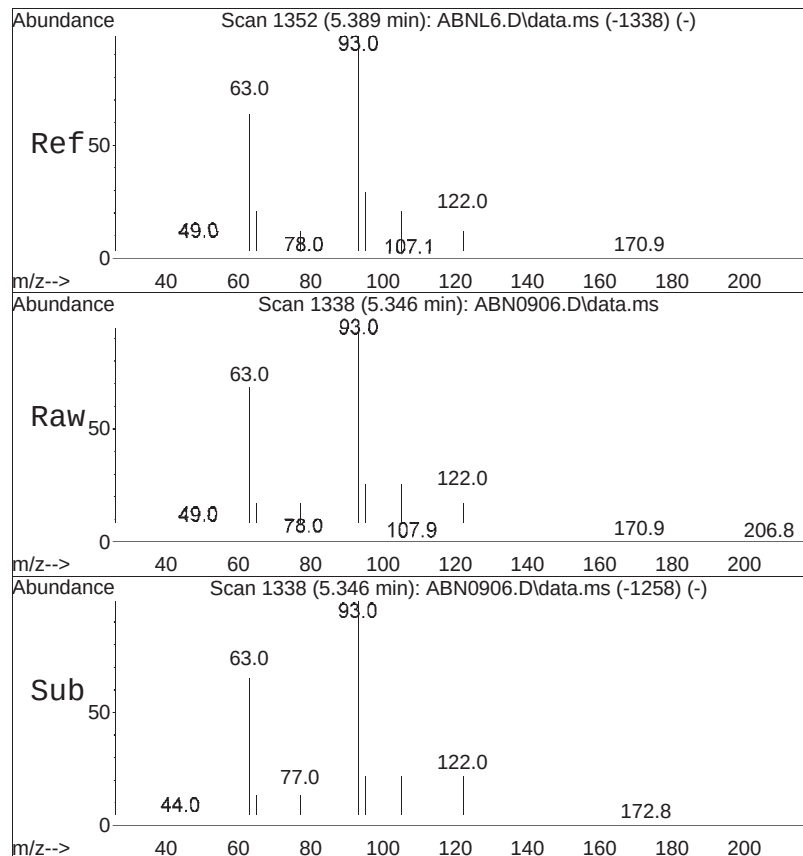




#36
 Naphthalene
 Concen: 4.85 ug/ml
 RT: 5.551 min Scan# 1404
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

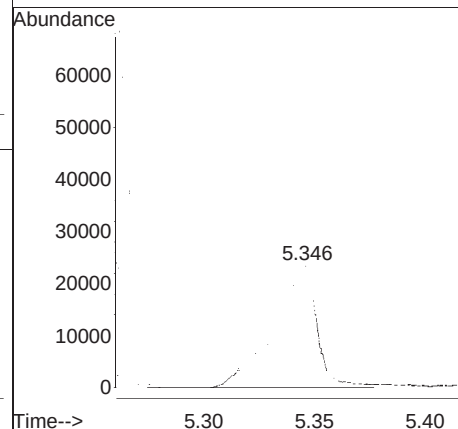
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	183722		
129	11.0		8.7	13.1
127	13.2		10.3	15.5

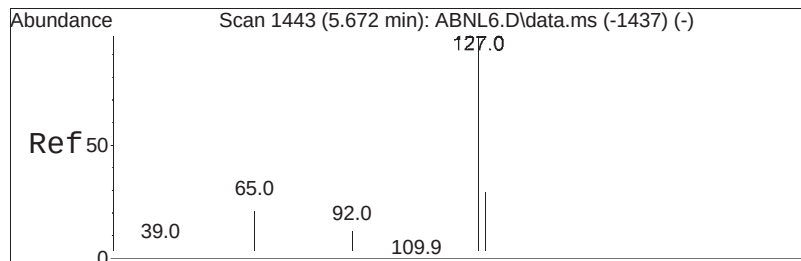




#37
Benzoic Acid
Concen: 4.30 ug/ml
RT: 5.346 min Scan# 1338
Delta R.T. 0.000 min
Lab File: ABN0906.D
Acq: 6 Sep 2025 7:22 am

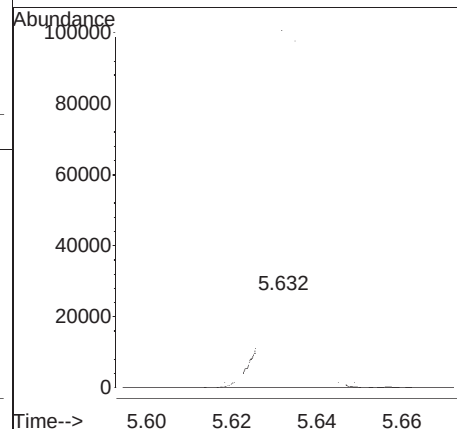
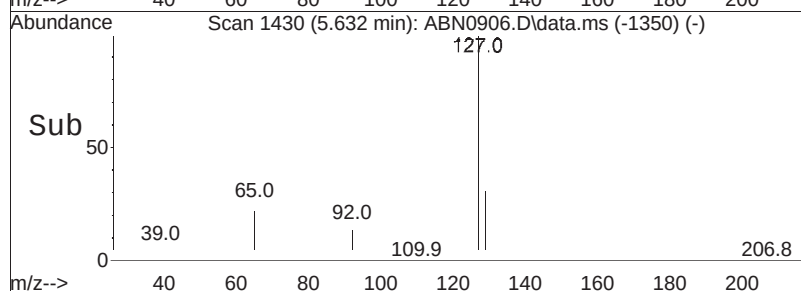
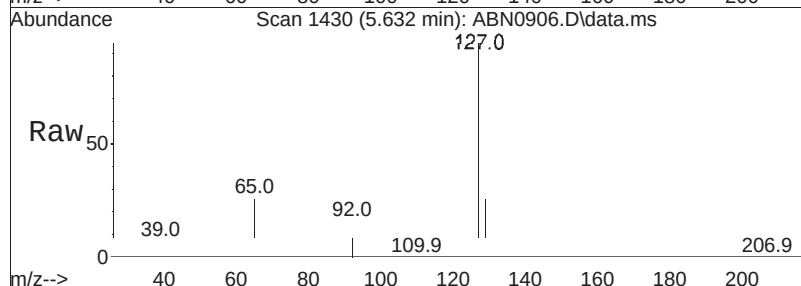
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	33838		
122	88.4		59.9	89.9
77	74.9		60.1	90.1

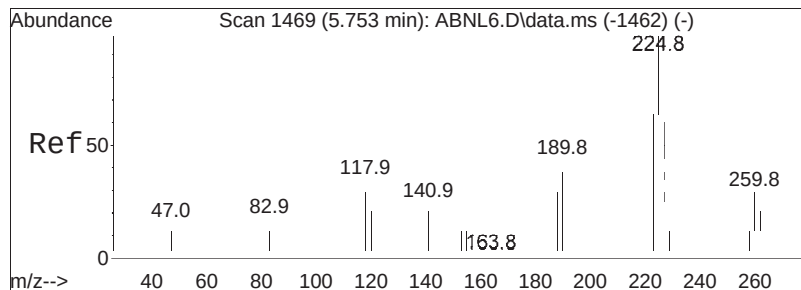




#38
 4-Chloroaniline
 Concen: 4.83 ug/ml
 RT: 5.632 min Scan# 1430
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

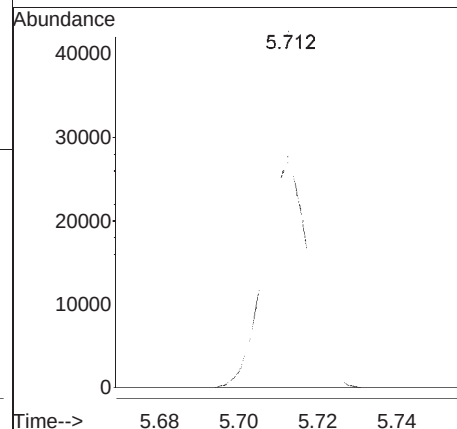
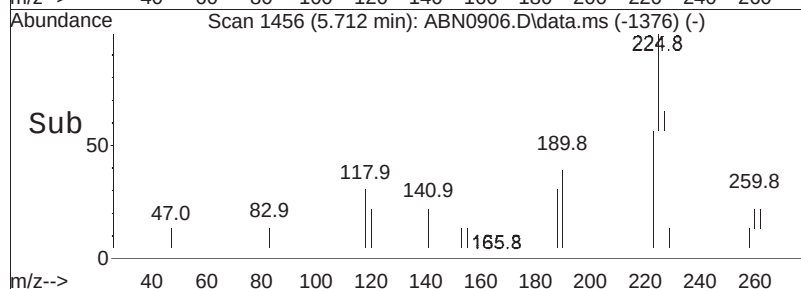
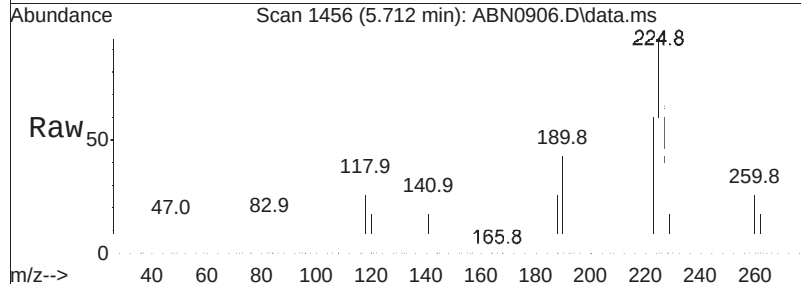
Tgt Ion	Ratio	Lower	Upper
65	100		
127	391.8	237.6	356.4#
129	123.0	76.3	114.5#

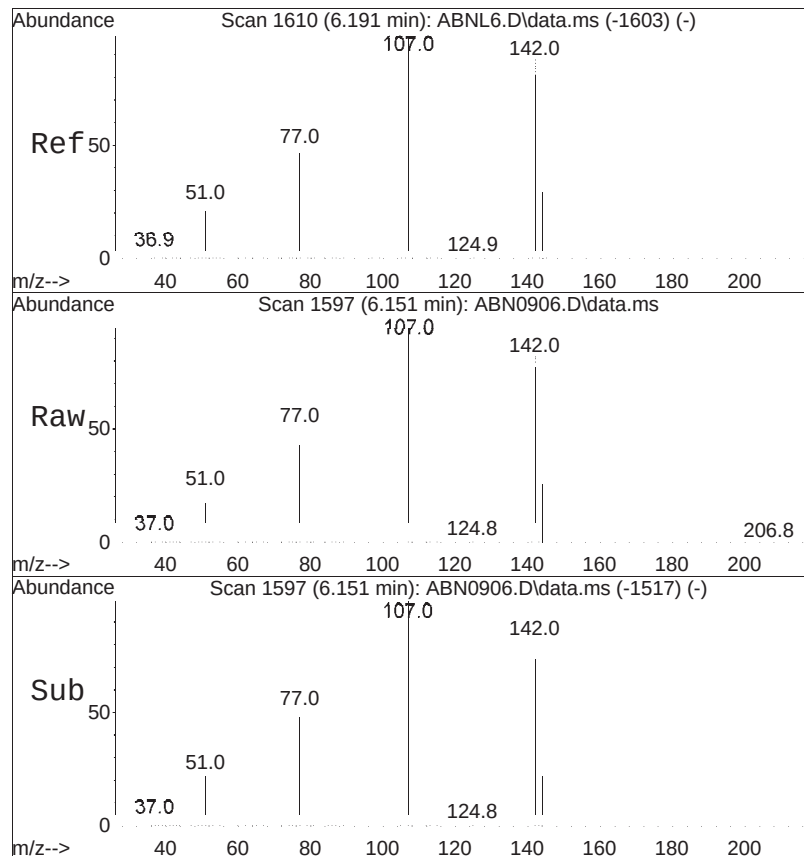




#39
 Hexachlorobutadiene
 Concen: 4.74 ug/ml
 RT: 5.712 min Scan# 1456
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

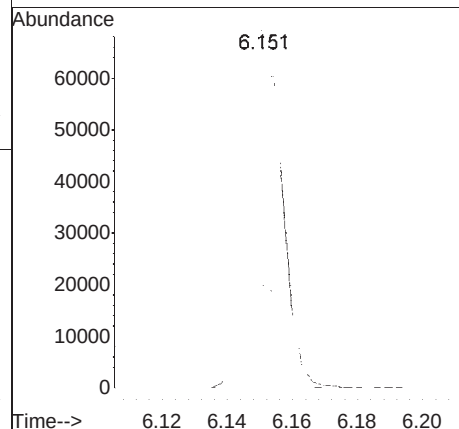
Tgt Ion:	225	Resp:	33222
Ion Ratio	Lower	Upper	
225	100		
223	64.4	50.3	75.5
227	65.0	52.2	78.2

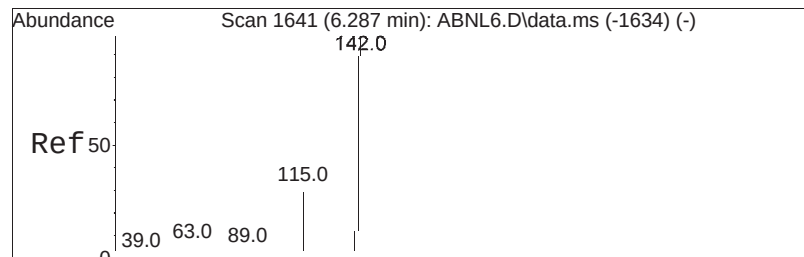




#40
 p-Chloro-m-cresol
 Concen: 4.91 ug/ml
 RT: 6.151 min Scan# 1597
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

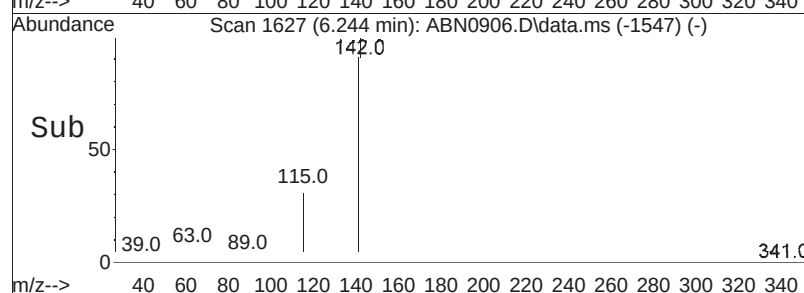
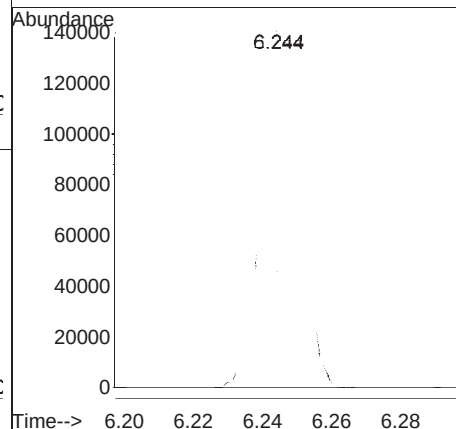
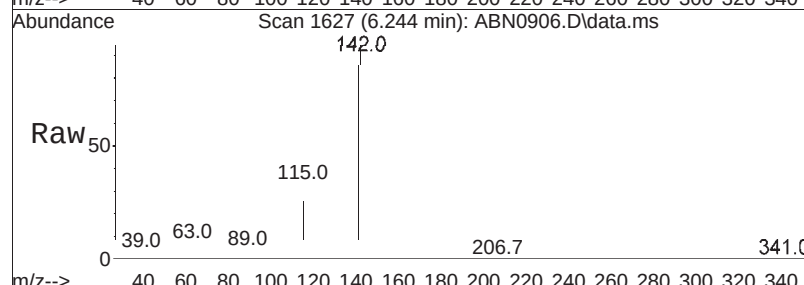
Tgt Ion:	107	Resp:	48804
Ion Ratio	Lower	Upper	
107	100		
144	28.6	20.9	31.3
142	87.8	66.1	99.1

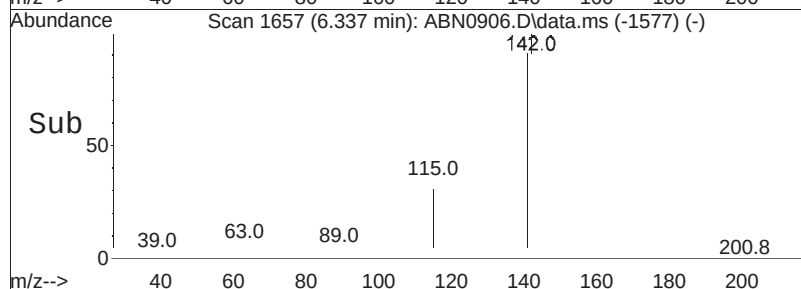
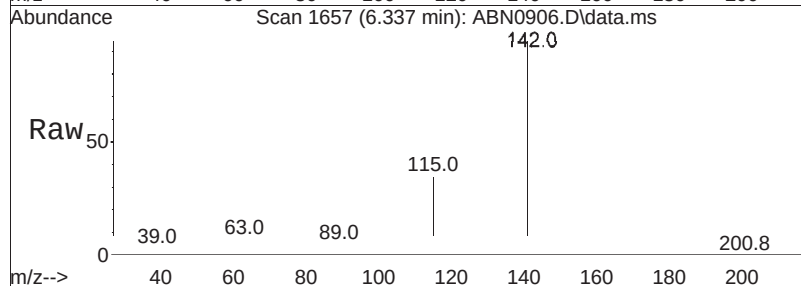
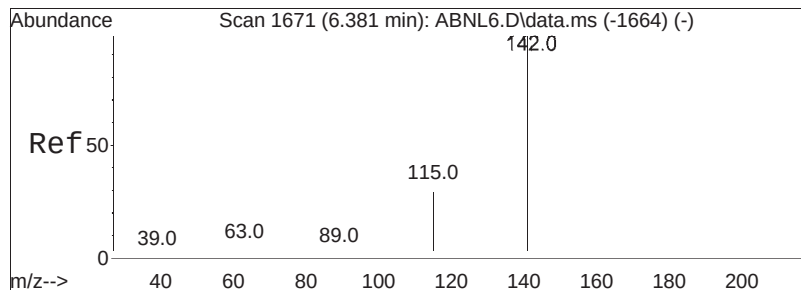




#41
 2-Methylnaphthalene
 Concen: 4.92 ug/ml
 RT: 6.244 min Scan# 1627
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

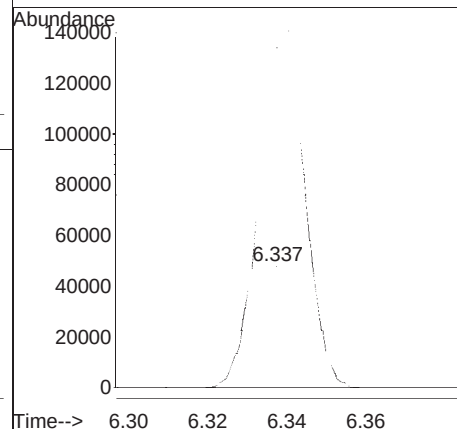
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	69.6	104.4
115	32.5	26.6	40.0

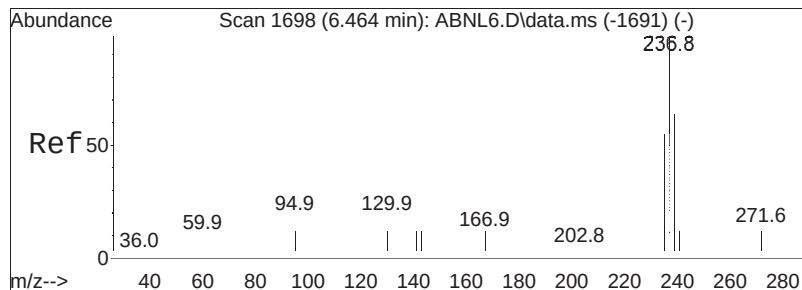




#42
 1-Methylnaphthalene
 Concen: 4.77 ug/ml
 RT: 6.337 min Scan# 1657
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion	Ratio	Resp	Lower	Upper
115	100	37908		
141	285.8		207.8	311.6
142	299.8		226.8	340.2





#43

Hexachlorocyclopentadiene

Concen: 4.69 ug/ml

RT: 6.421 min Scan# 1684

Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

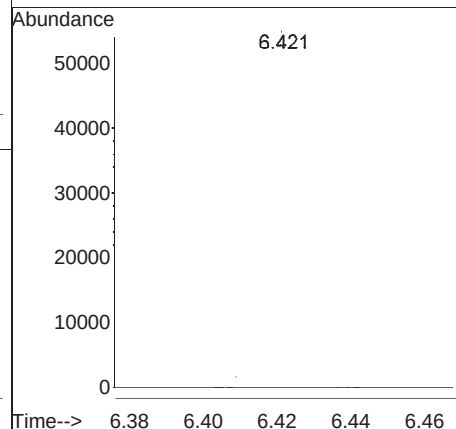
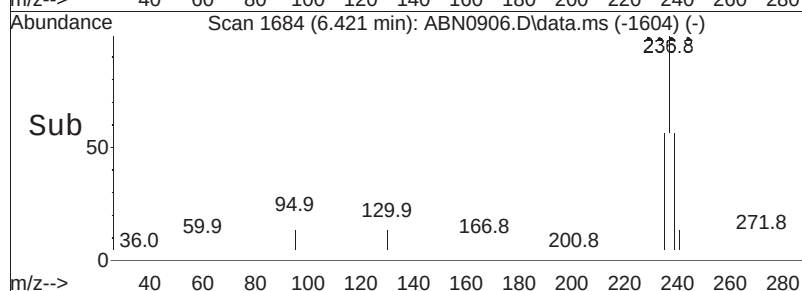
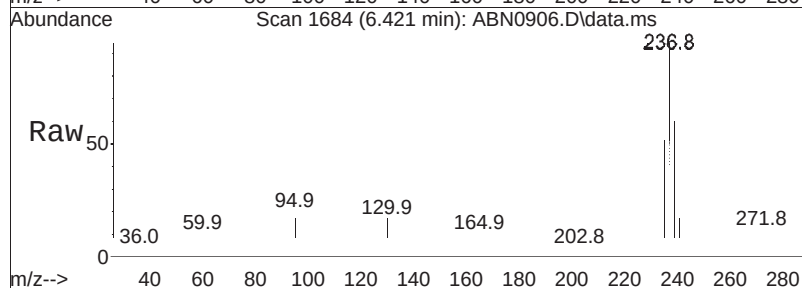
Tgt Ion: 237 Resp: 41711

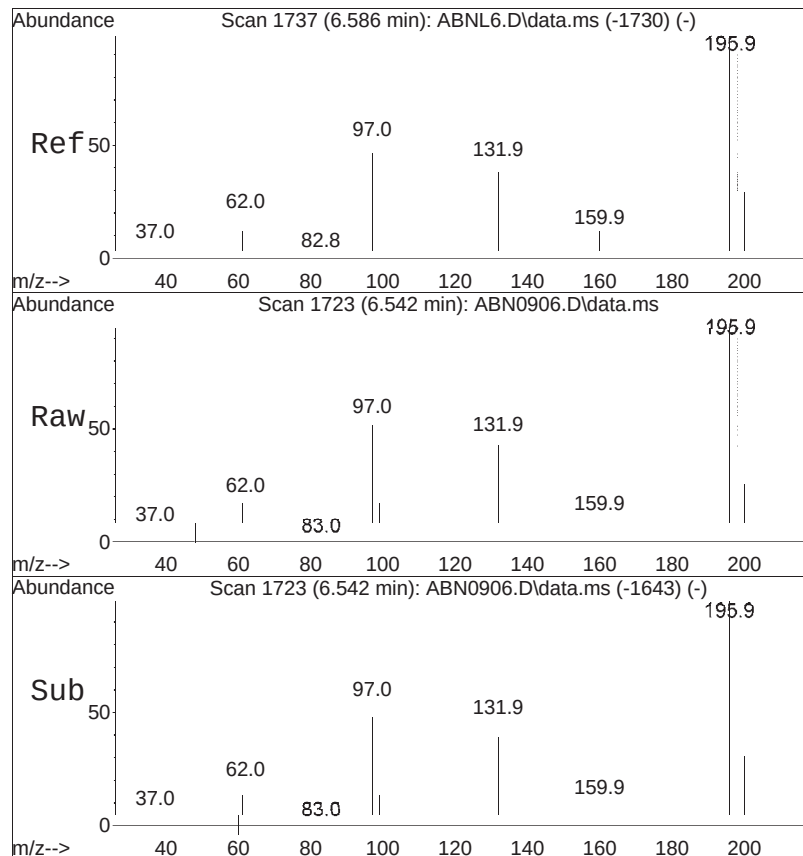
Ion Ratio Lower Upper

237 100

235 60.9 49.7 74.5

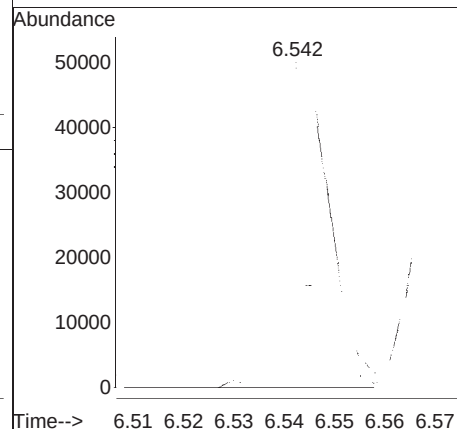
272 12.3 9.8 14.6

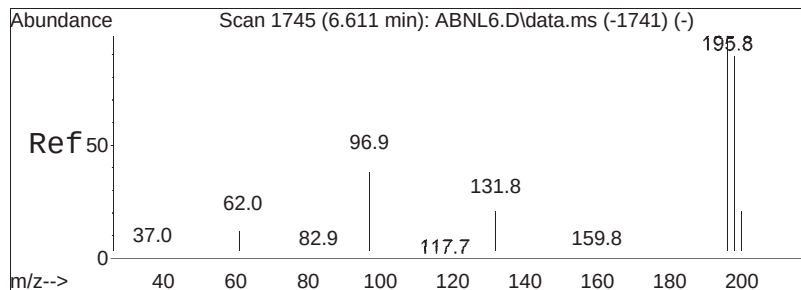




#44
 2,4,6-Trichlorophenol
 Concen: 5.17 ug/ml
 RT: 6.542 min Scan# 1723
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

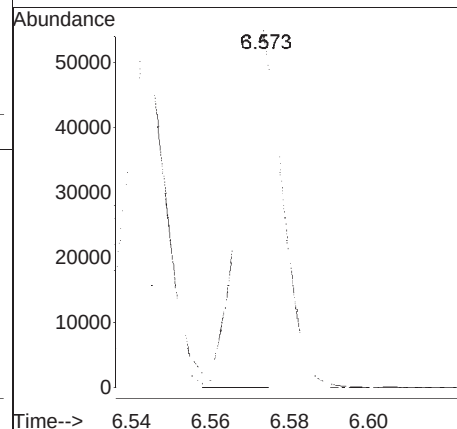
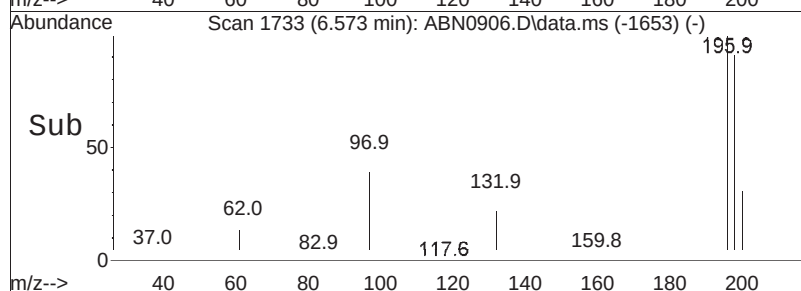
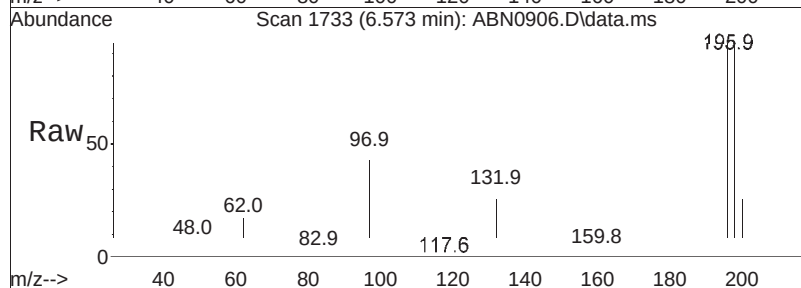
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	38594		
198	97.8		77.5	116.3
200	32.3		23.8	35.6

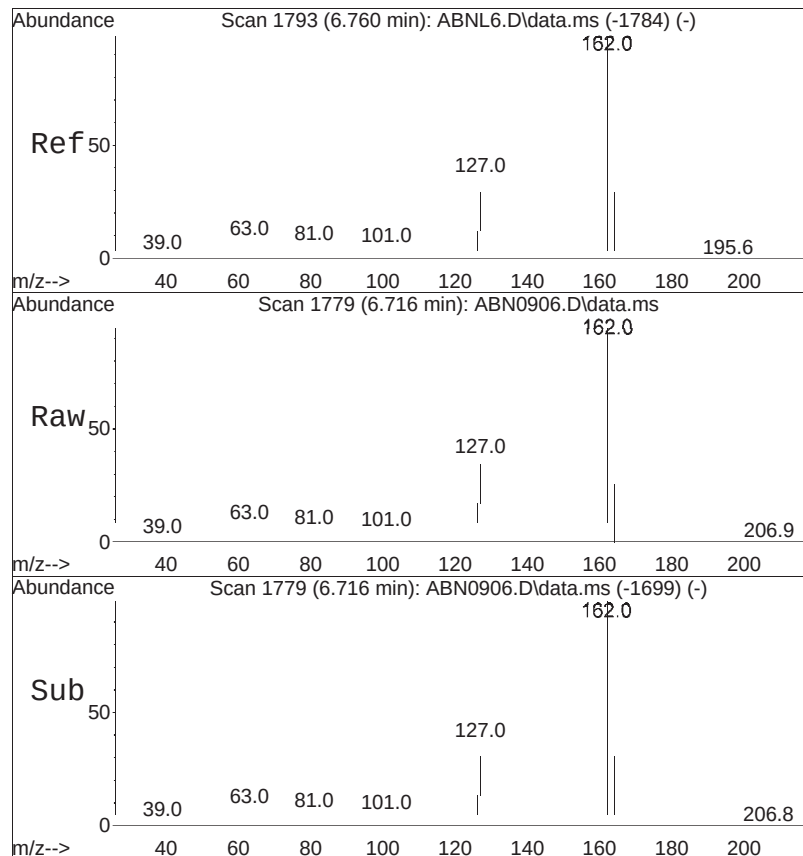




#45
 2,4,5-Trichlorophenol
 Concen: 5.04 ug/ml
 RT: 6.573 min Scan# 1733
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

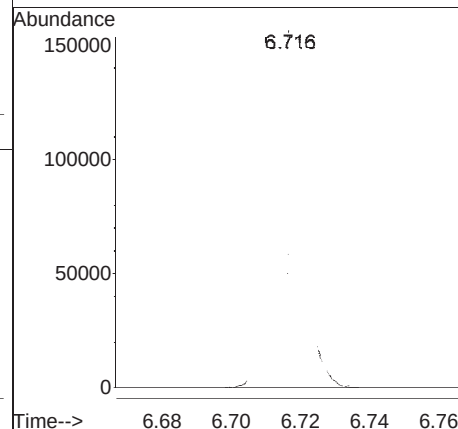
Tgt Ion	Ratio	Lower	Upper
196	100		
200	32.0	25.4	38.0
198	96.6	78.0	117.0

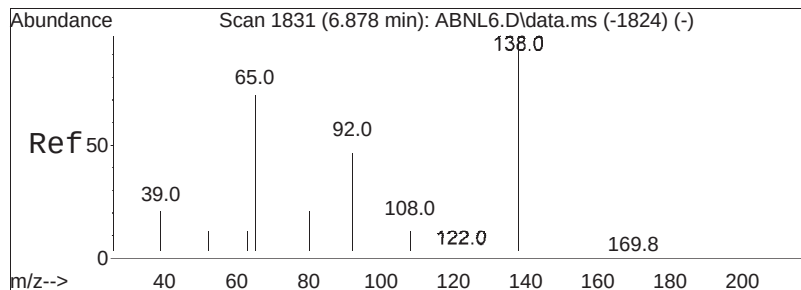




#47
 2-Chloronaphthalene
 Concen: 4.72 ug/ml
 RT: 6.716 min Scan# 1779
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

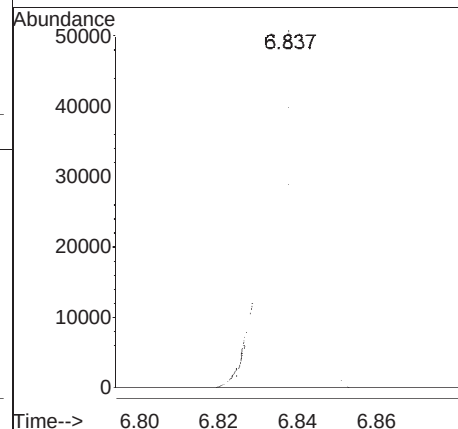
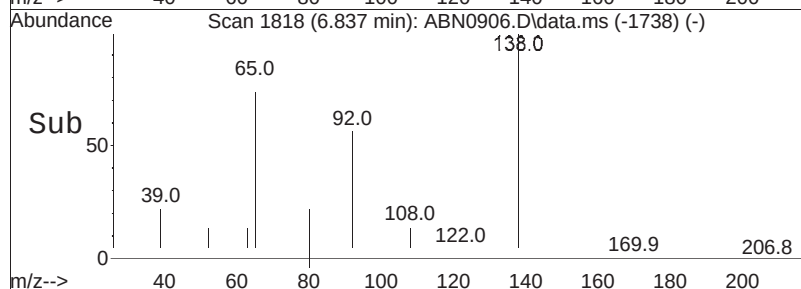
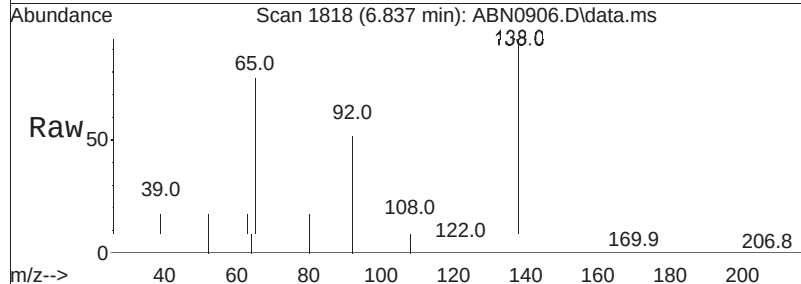
Tgt Ion:	162	Resp:	120114
Ion Ratio	Lower	Upper	
162	100		
127	36.9	32.2	48.4
164	32.7	25.7	38.5

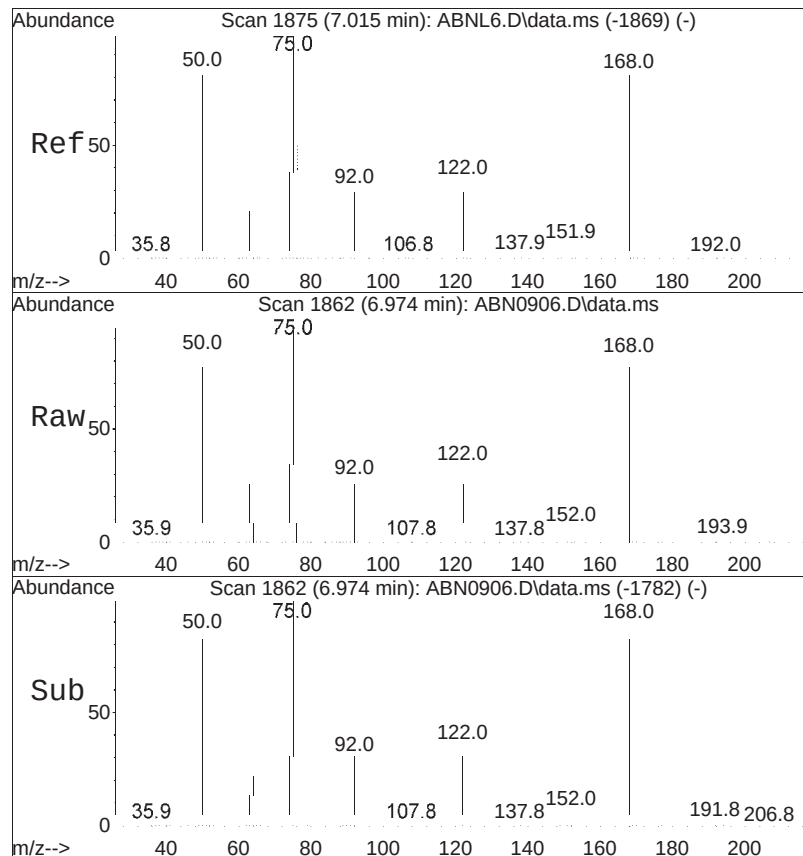




#48
 2-Nitroaniline
 Concen: 5.15 ug/ml
 RT: 6.837 min Scan# 1818
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

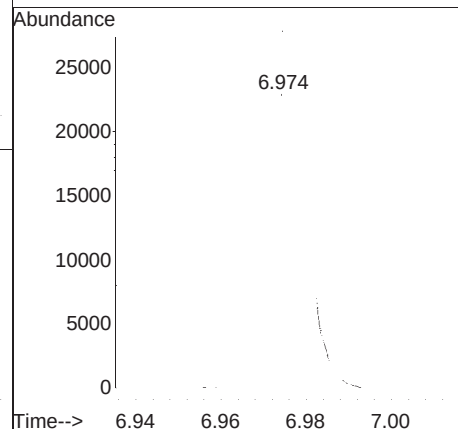
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	37103		
92	58.2		53.5	80.3
65	81.9		86.3	129.5#

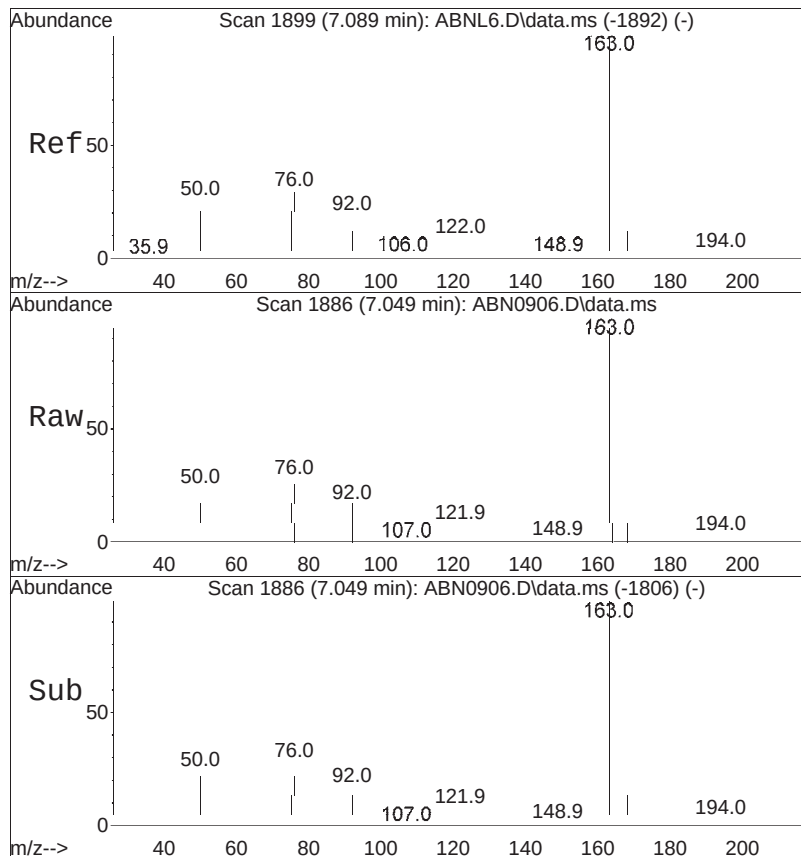




#49
 1,4-Dinitrobenzene
 Concen: 4.83 ug/ml
 RT: 6.974 min Scan# 1862
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

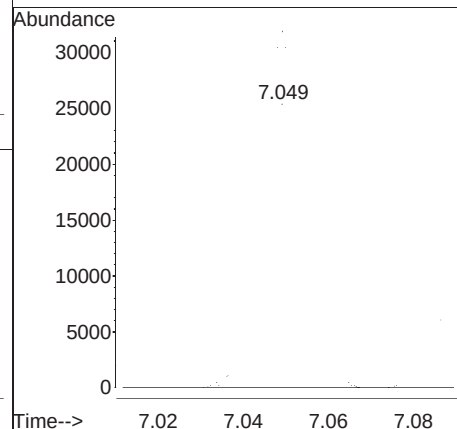
Tgt Ion	Ratio	Lower	Upper
168	100		
75	125.9	121.8	182.8

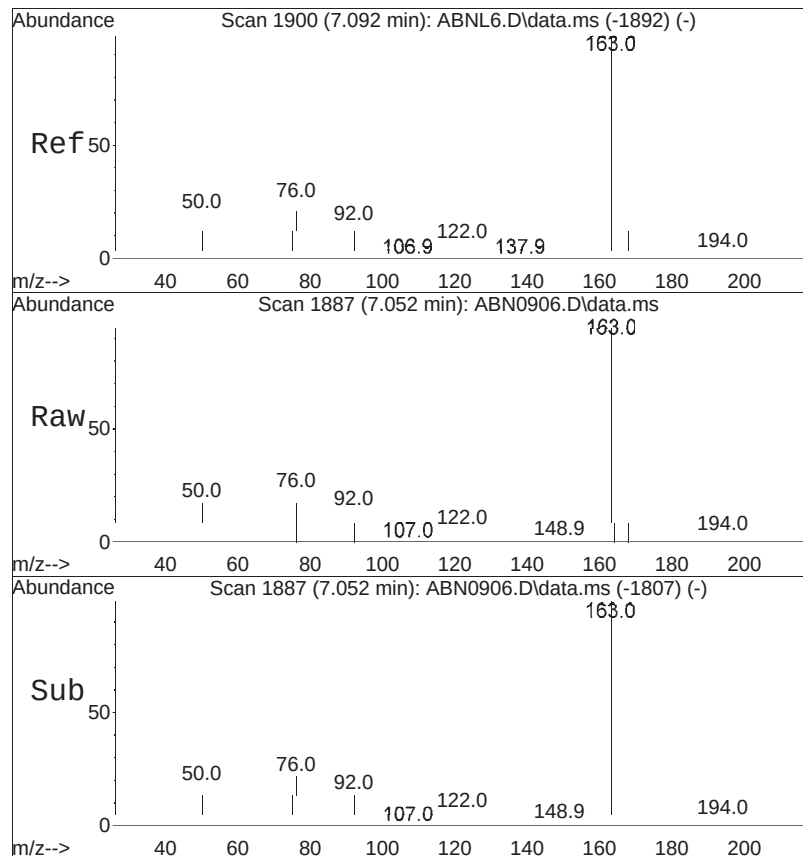




#50
 1,3-Dinitrobenzene
 Concen: 4.85 ug/ml
 RT: 7.049 min Scan# 1886
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

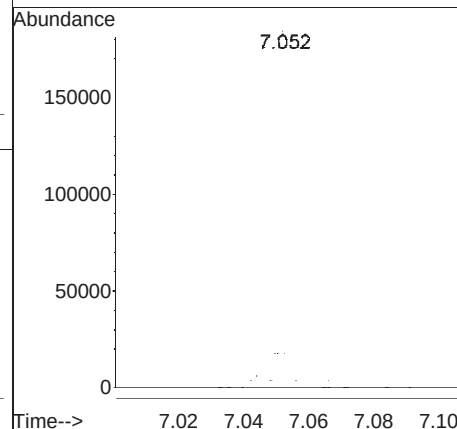
Tgt Ion	Ratio	Lower	Upper
168	100		
75	128.7	22.7	34.1#

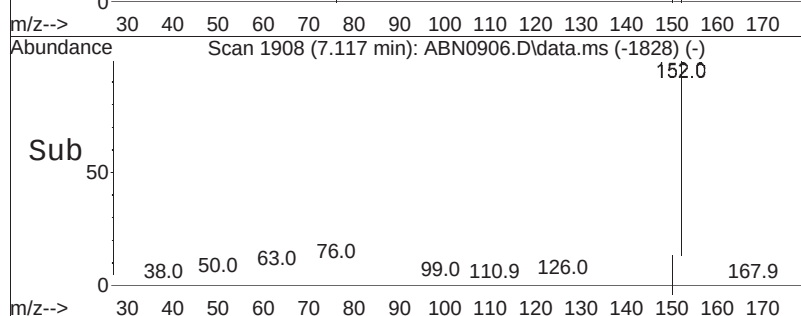
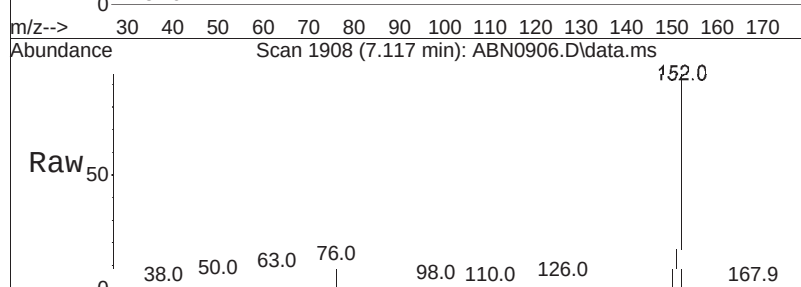
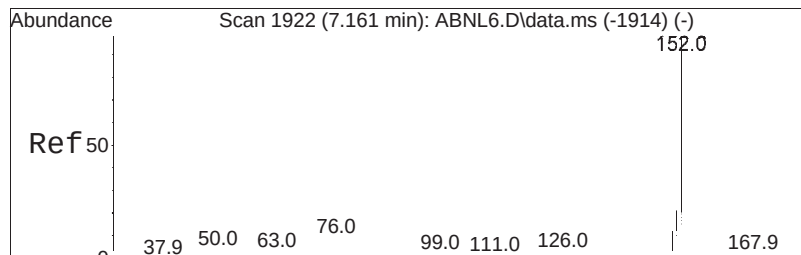




#51
 Dimethyl phthalate
 Concen: 4.61 ug/ml
 RT: 7.052 min Scan# 1887
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

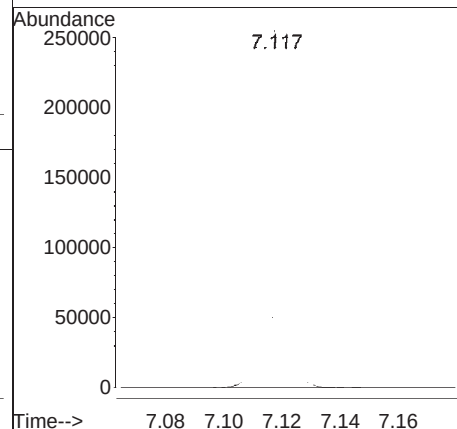
Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.8	3.5	5.3#
164	10.1	7.9	11.9

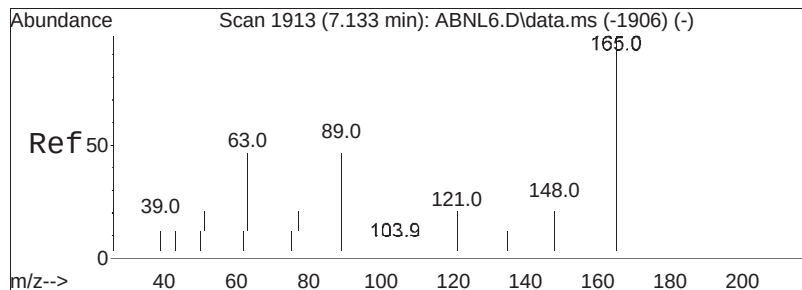




#52
 Acenaphthylene
 Concen: 4.81 ug/ml
 RT: 7.117 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

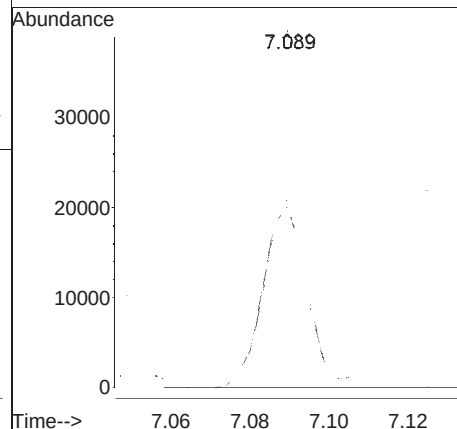
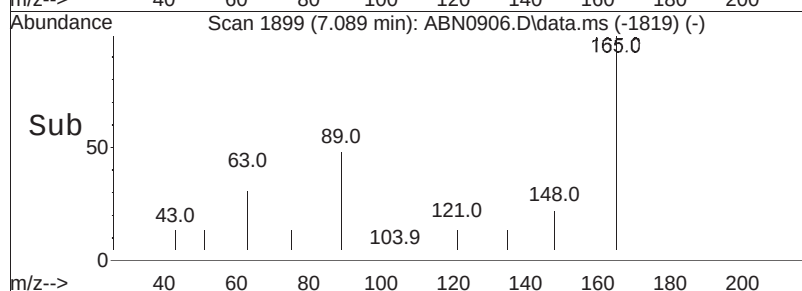
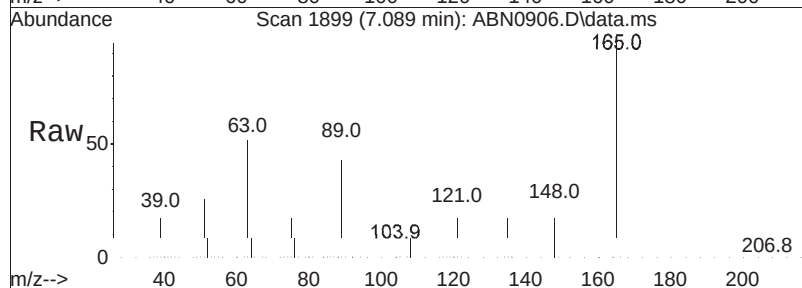
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.6
153	13.4	10.5	15.7

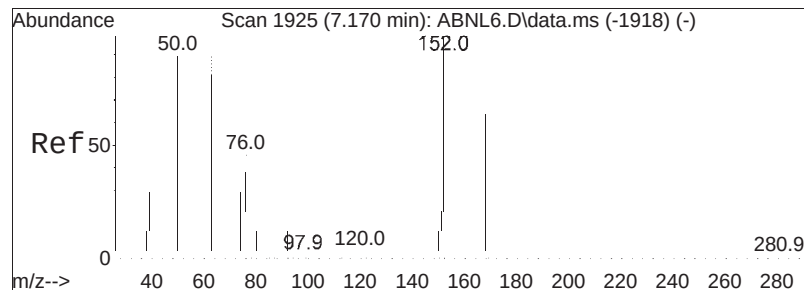




#53
 2,6-Dinitrotoluene
 Concen: 5.00 ug/ml
 RT: 7.089 min Scan# 1899
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

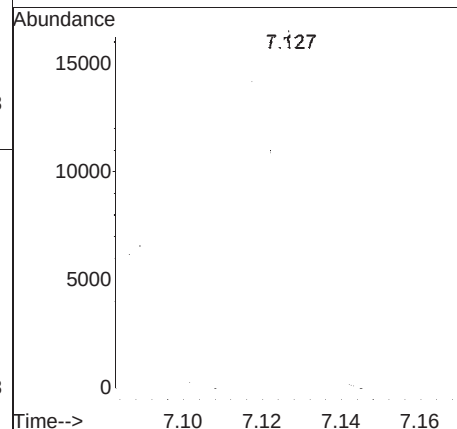
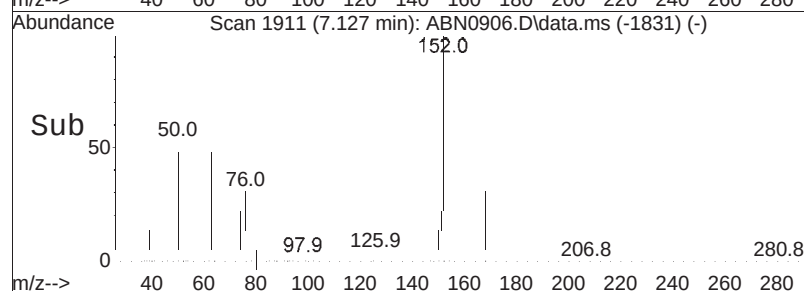
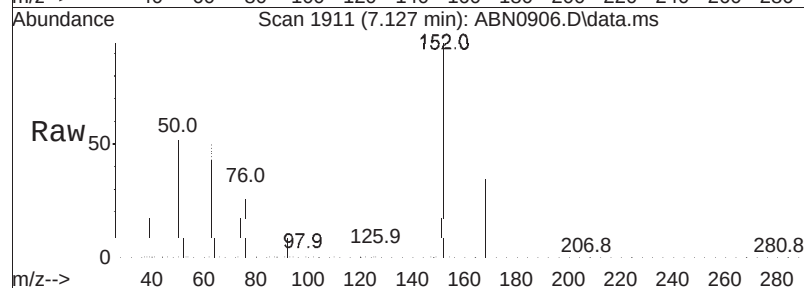
Tgt Ion:	165	Resp:	29253
Ion Ratio	Lower	Upper	
165	100		
89	53.0	54.2	81.2#
63	53.0	64.2	96.2#

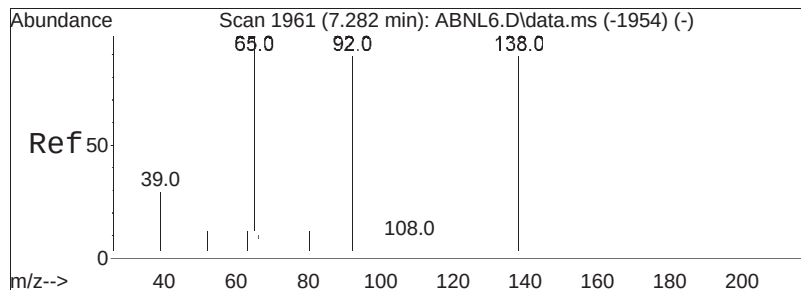




#54
 1,2-Dinitrobenzene
 Concen: 4.98 ug/ml
 RT: 7.127 min Scan# 1911
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion	Ratio	Lower	Upper
168	100		
75	114.3	30.9	46.3#





#64

3-Nitroaniline

Concen: 5.28 ug/ml

RT: 7.242 min Scan# 1948

Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

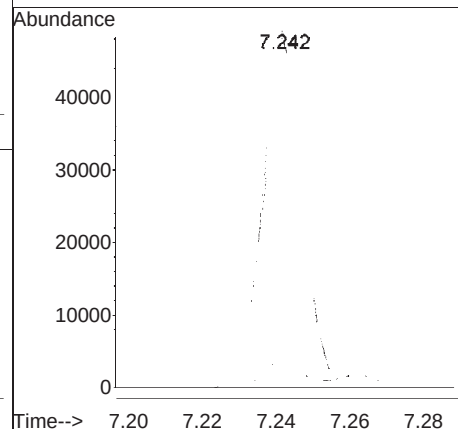
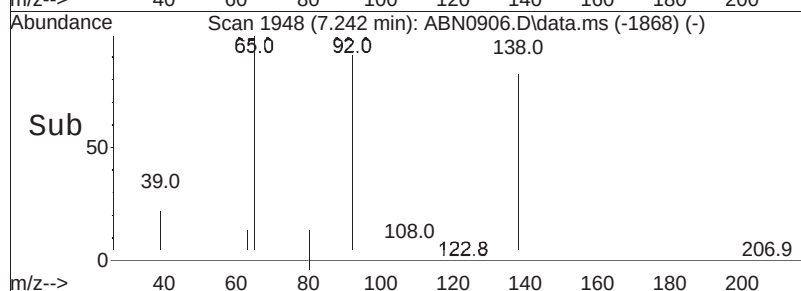
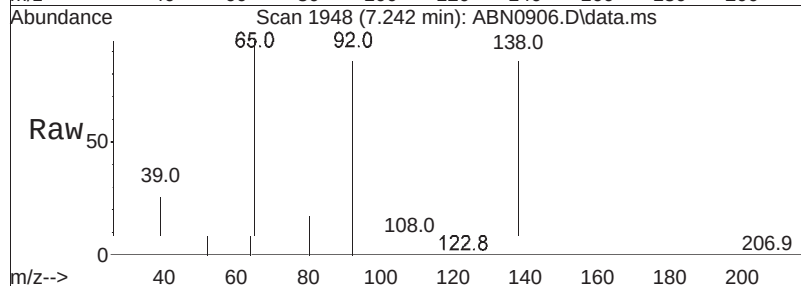
Tgt Ion:138 Resp: 36029

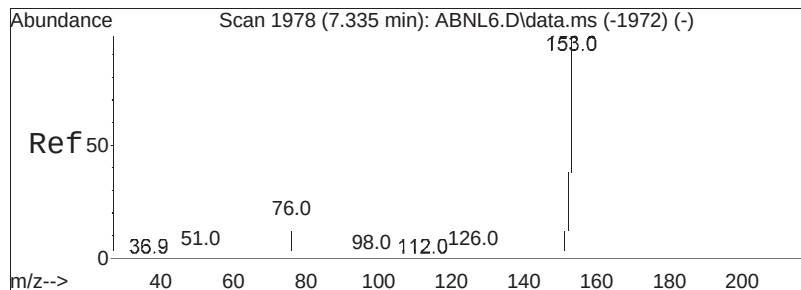
Ion Ratio Lower Upper

138 100

92 100.9 93.4 140.2

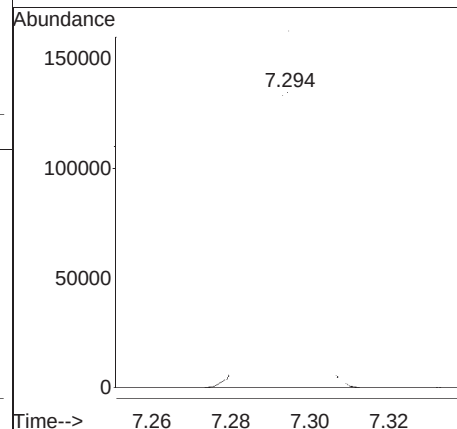
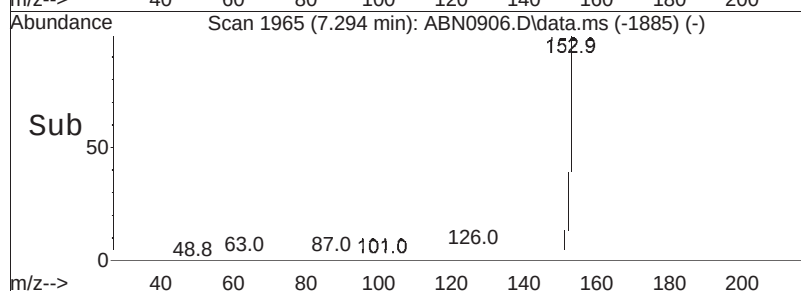
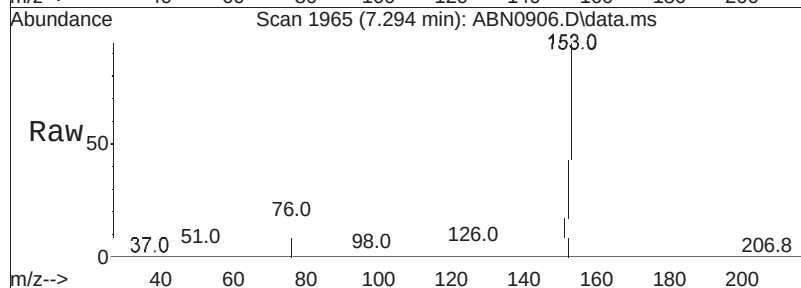
108 8.4 9.5 14.3#

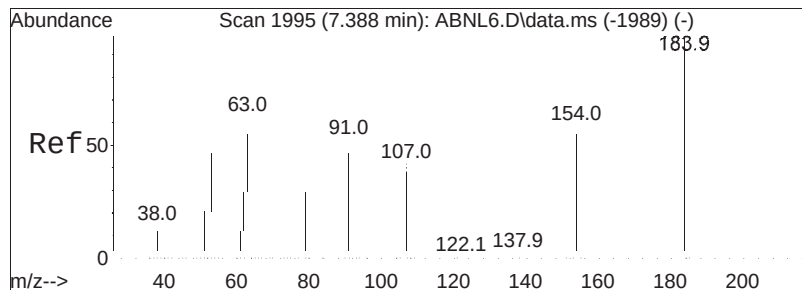




#65
 Acenaphthene
 Concen: 4.84 ug/ml
 RT: 7.294 min Scan# 1965
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

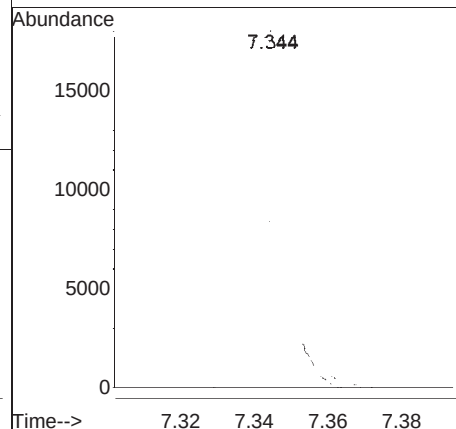
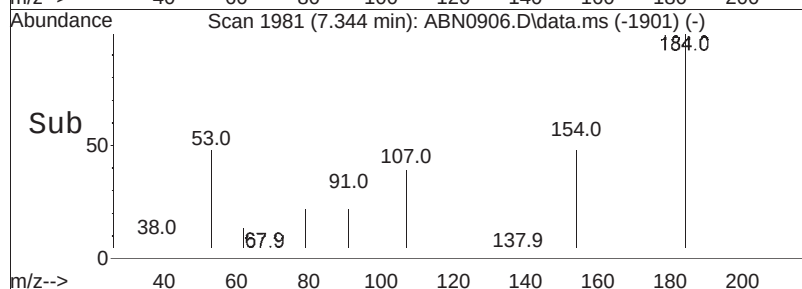
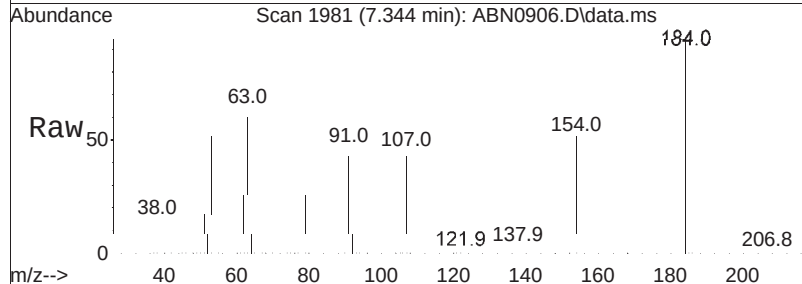
Tgt	Ion	Ratio	Lower	Upper
154	100			
153	118.5	85.3	127.9	
152	55.2	41.4	62.0	

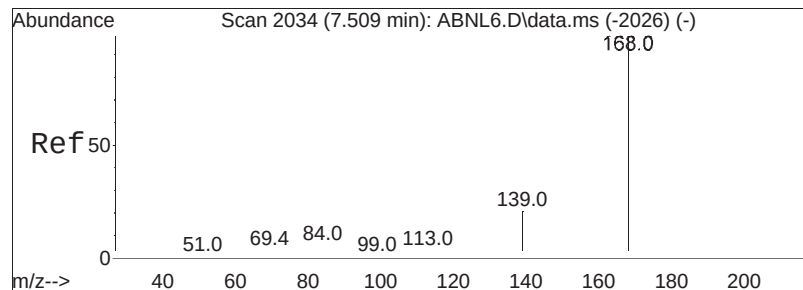




#66
 2,4-Dinitrophenol
 Concen: 4.32 ug/ml
 RT: 7.344 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

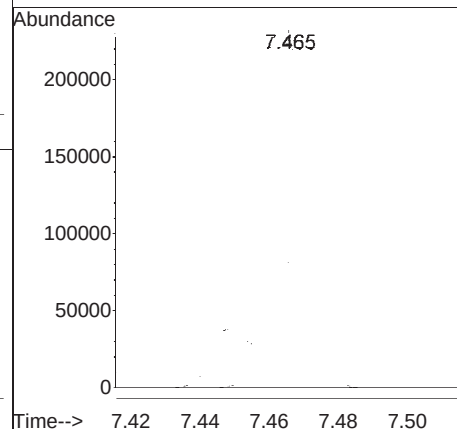
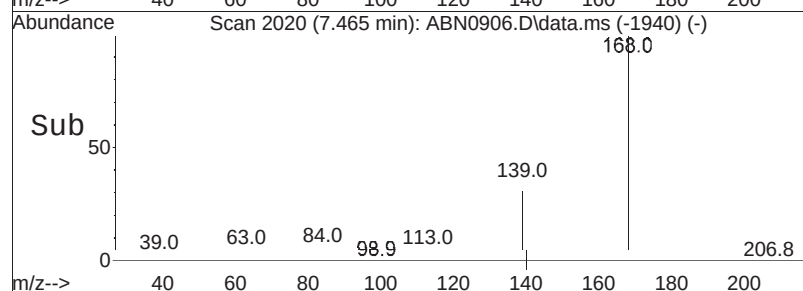
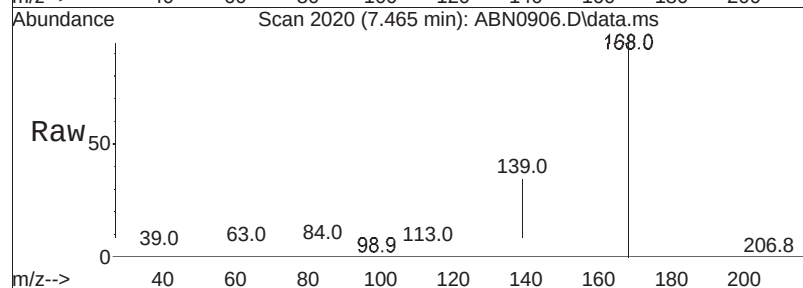
Tgt Ion:	184	Resp:	14314
Ion Ratio	Lower	Upper	
184	100		
107	41.8	37.7	56.5
91	46.6	46.3	69.5

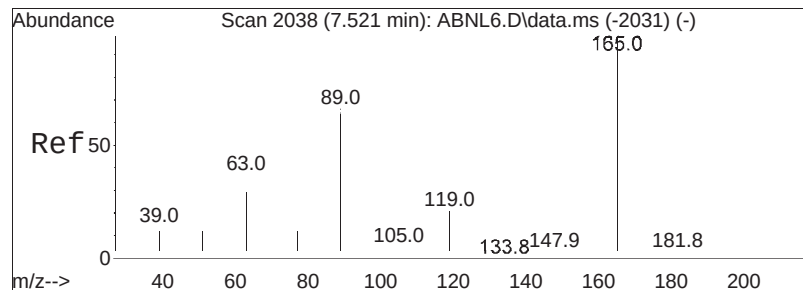




#67
 Dibenzofuran
 Concen: 4.84 ug/ml
 RT: 7.465 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

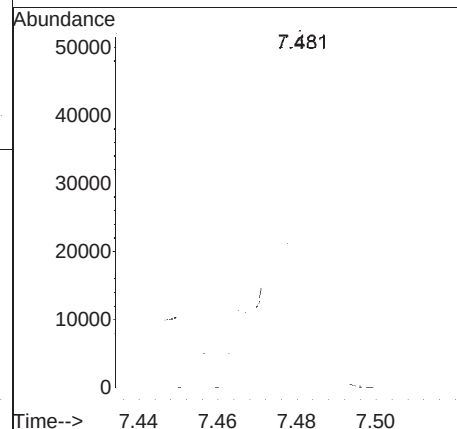
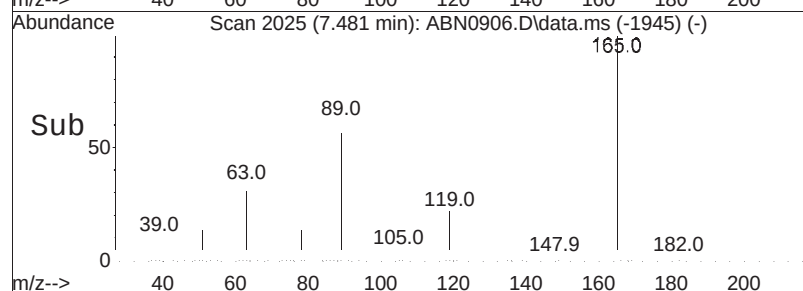
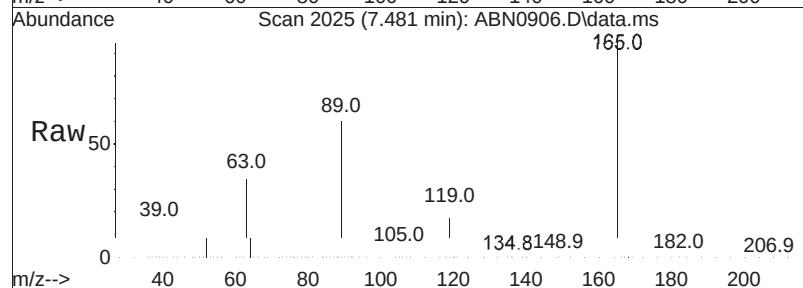
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.1	31.4	47.2

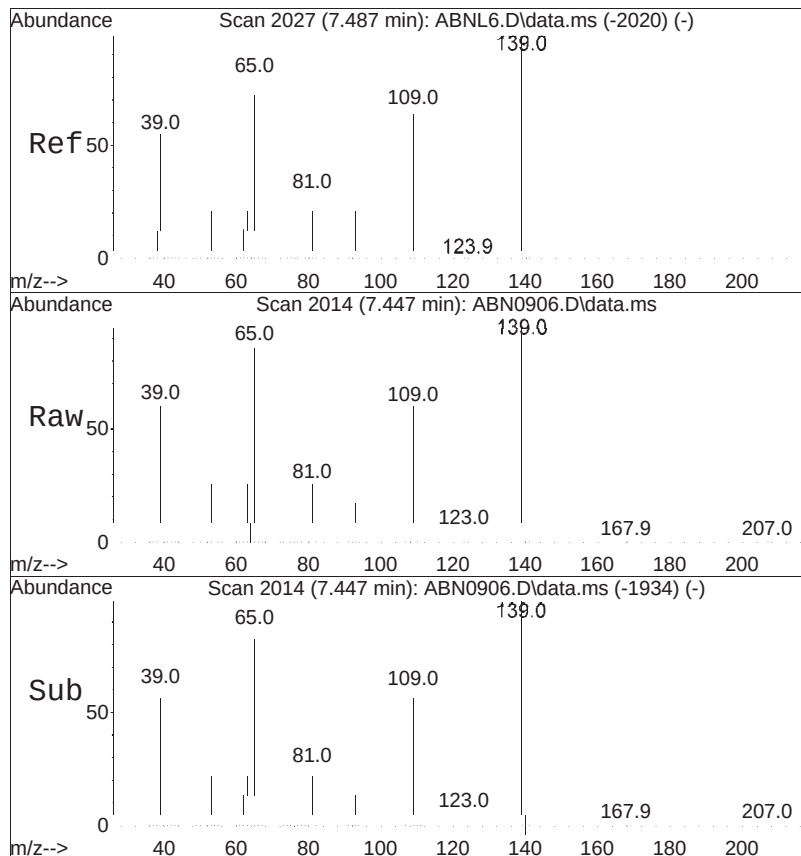




#68
 2,4-Dinitrotoluene
 Concen: 5.30 ug/ml
 RT: 7.481 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

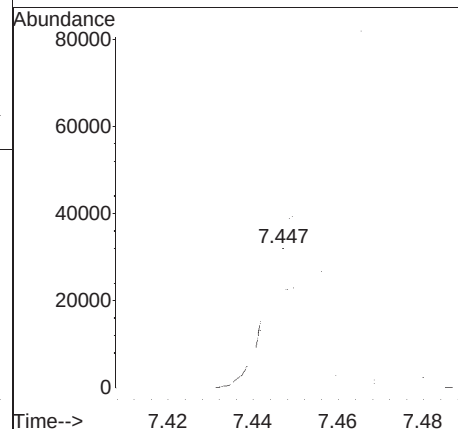
Tgt Ion:	165	Resp:	40738
Ion Ratio	Lower	Upper	
165	100		
89	76.7	72.0	108.0
63	59.8	52.7	79.1

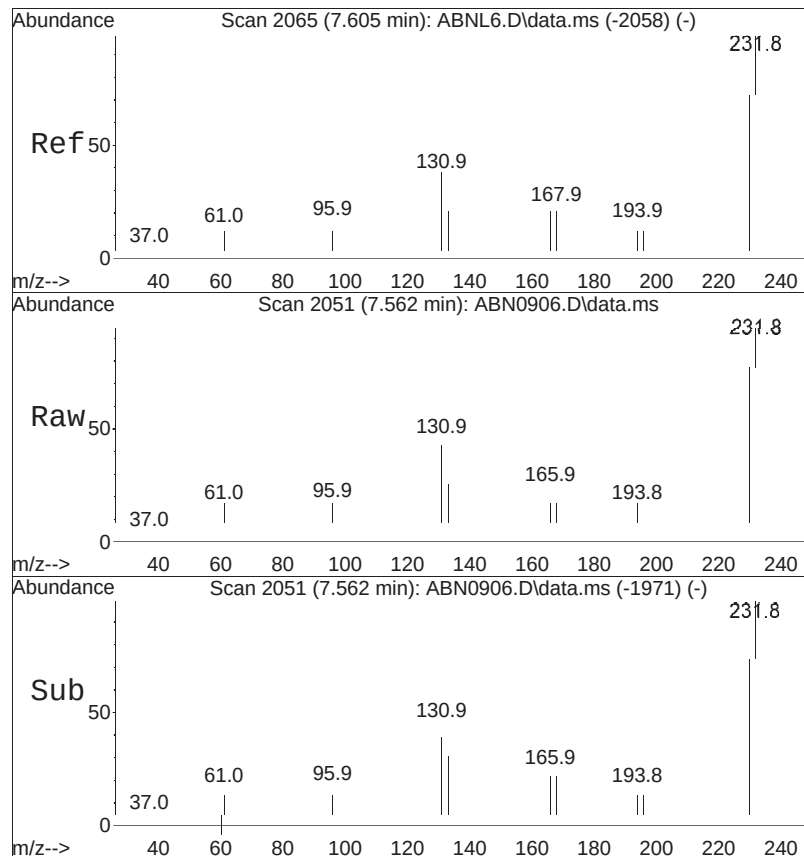




#69
 4-Nitrophenol
 Concen: 5.29 ug/ml
 RT: 7.447 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

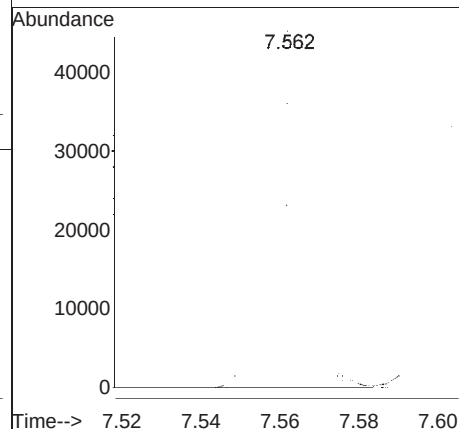
Tgt Ion:	65	Resp:	25168
Ion Ratio	Lower	Upper	
65	100		
109	74.6	47.4	71.2#
139	125.0	76.6	115.0#

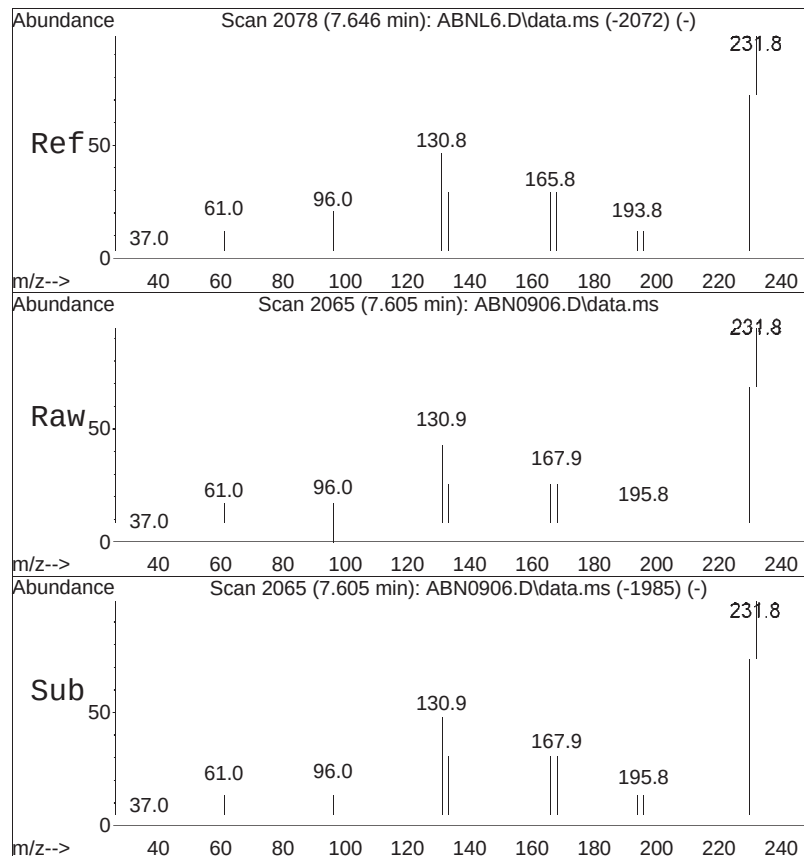




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 5.22 ug/ml
 RT: 7.562 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

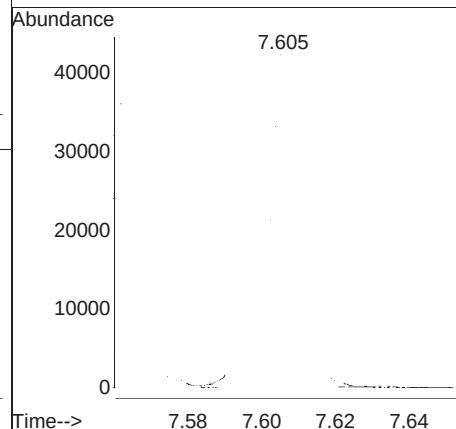
Tgt Ion:	232	Resp:	35431
Ion Ratio	Lower	Upper	
232	100		
230	77.8	64.2	96.4
234	48.4	38.1	57.1

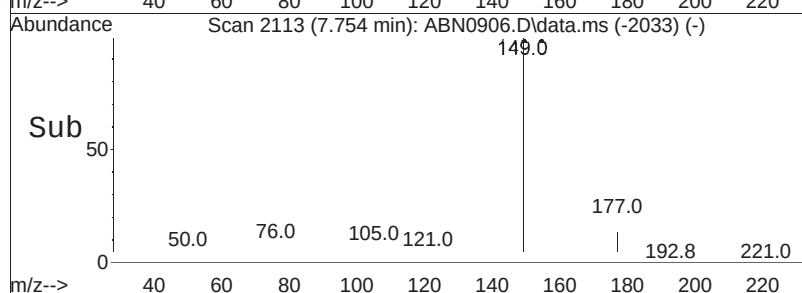
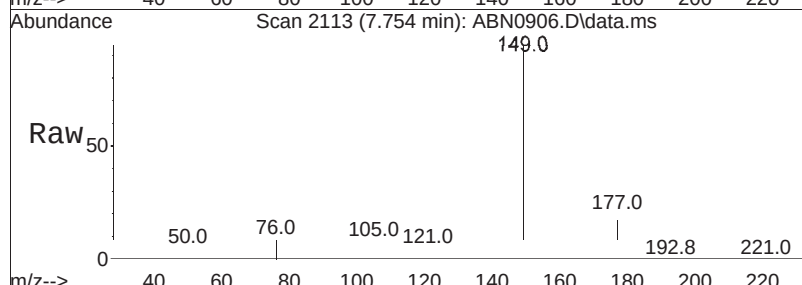
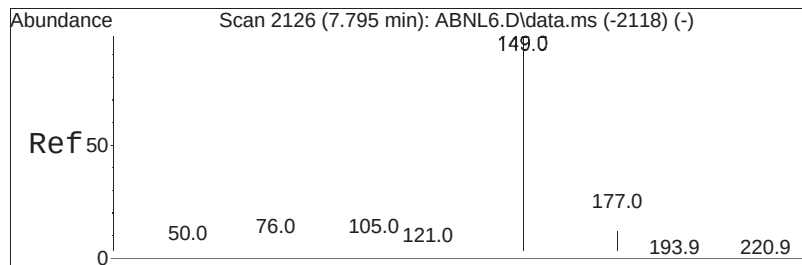




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 5.27 ug/ml
 RT: 7.605 min Scan# 2065
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion:	232	Resp:	34746
Ion Ratio	Lower	Upper	
232	100		
230	79.1	61.8	92.8
234	48.7	36.2	54.2





#72

Diethyl phthalate

Concen: 4.71 ug/ml

RT: 7.754 min Scan# 2113

Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

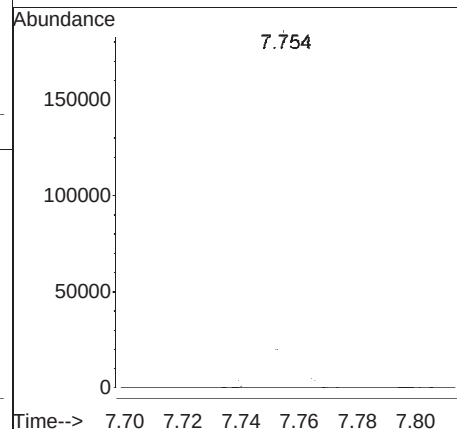
Tgt Ion:149 Resp: 142775

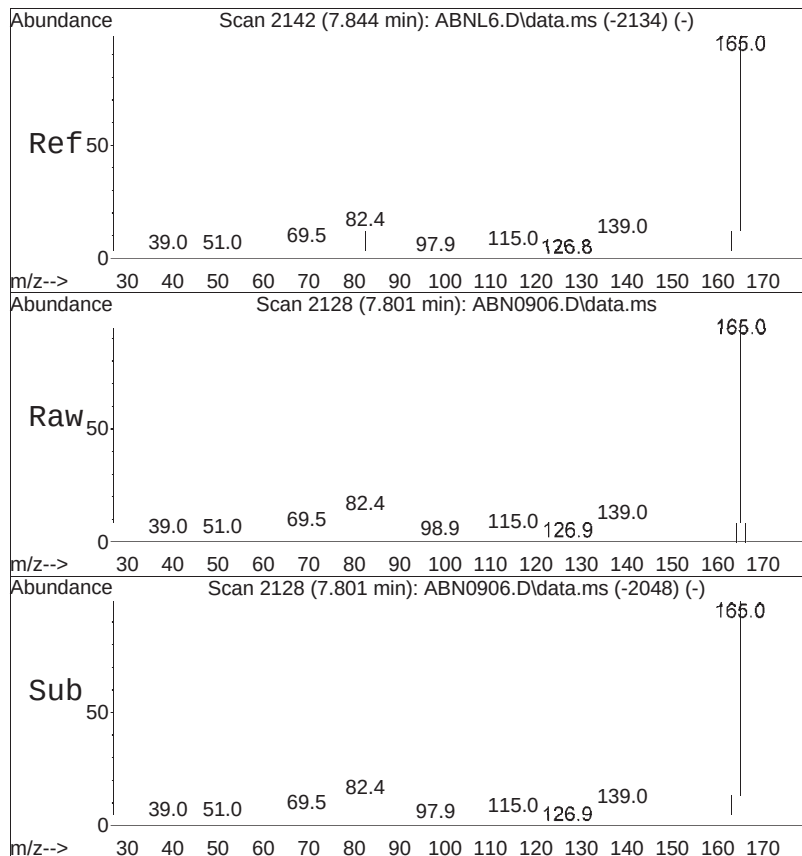
Ion Ratio Lower Upper

149 100

177 19.7 16.1 24.1

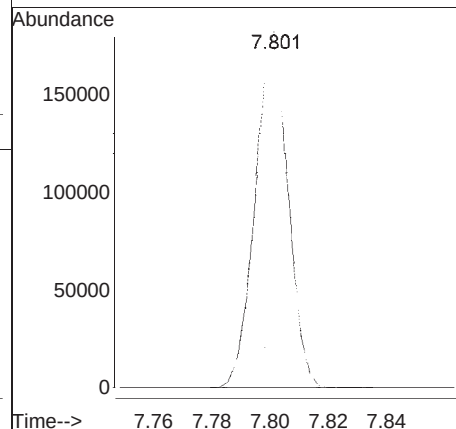
150 11.7 9.4 14.2

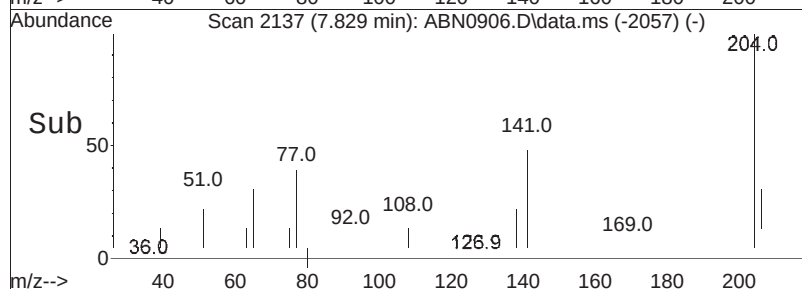
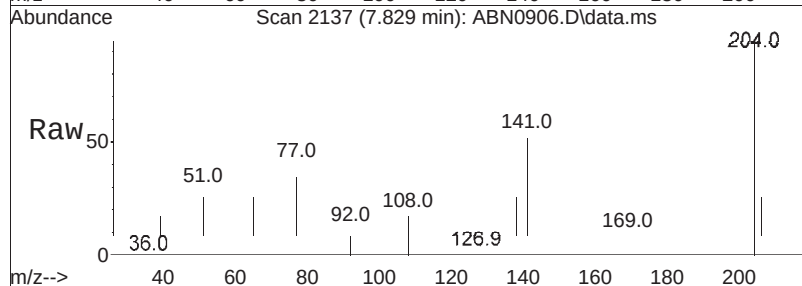
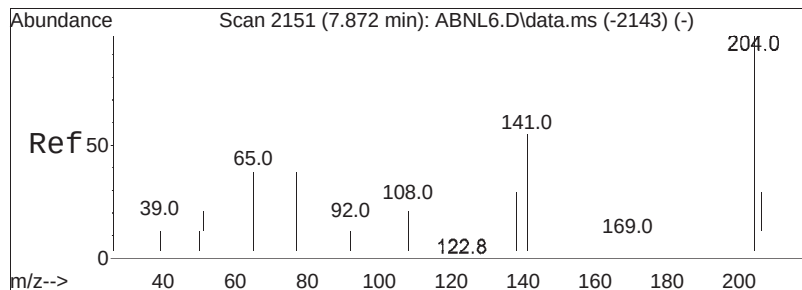




#73
 Fluorene
 Concen: 4.75 ug/ml
 RT: 7.801 min Scan# 2128
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

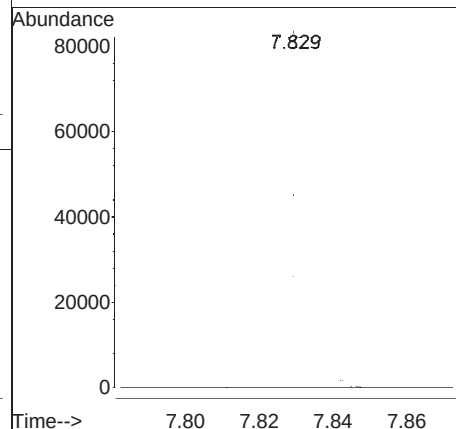
Tgt	Ion:166	Resp:	137265
Ion	Ratio	Lower	Upper
166	100		
165	103.3	76.2	114.2
167	13.3	10.6	15.8

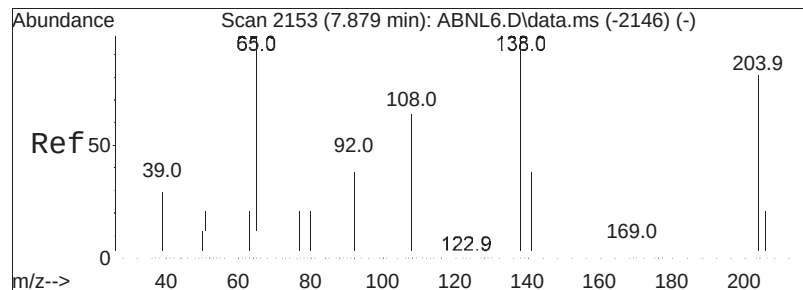




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.67 ug/ml
 RT: 7.829 min Scan# 2137
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

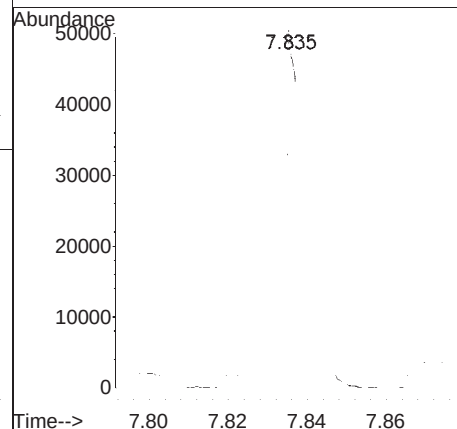
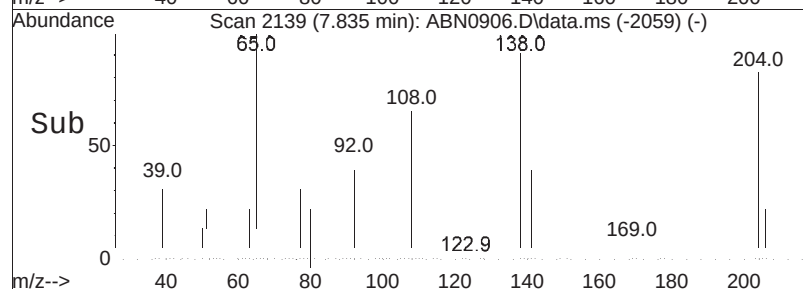
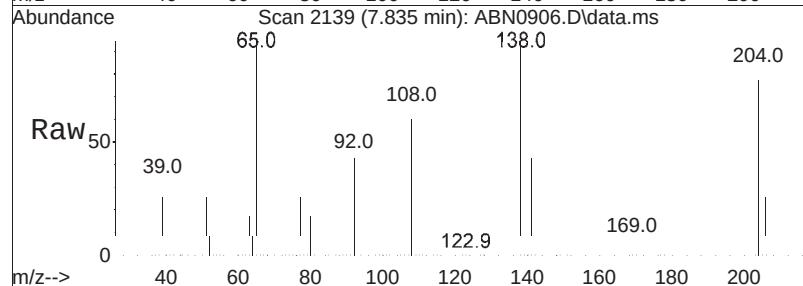
Tgt Ion:	204	Resp:	64332
Ion Ratio	Lower	Upper	
204	100		
206	32.2	25.8	38.6
141	57.3	53.6	80.4

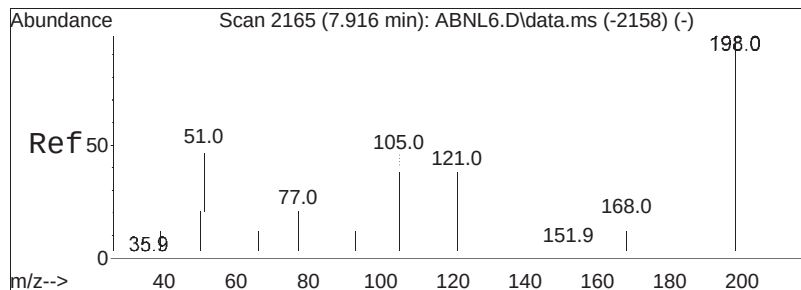




#75
 4-Nitroaniline
 Concen: 5.29 ug/ml
 RT: 7.835 min Scan# 2139
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

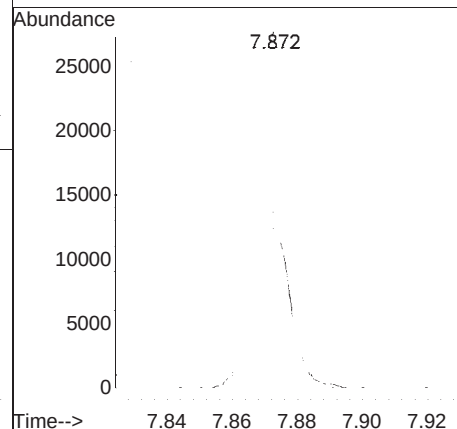
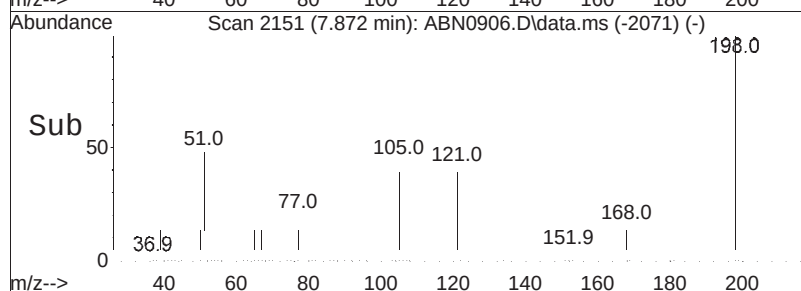
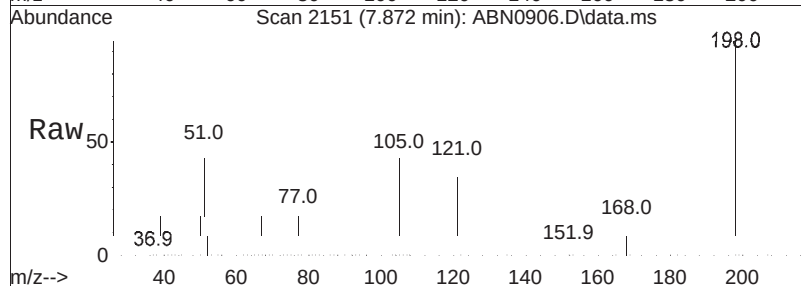
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	35611		
108	67.1		52.1	78.1
65	107.1		115.0	172.6#

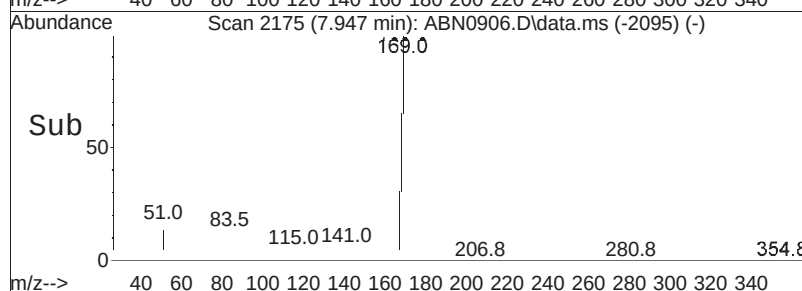
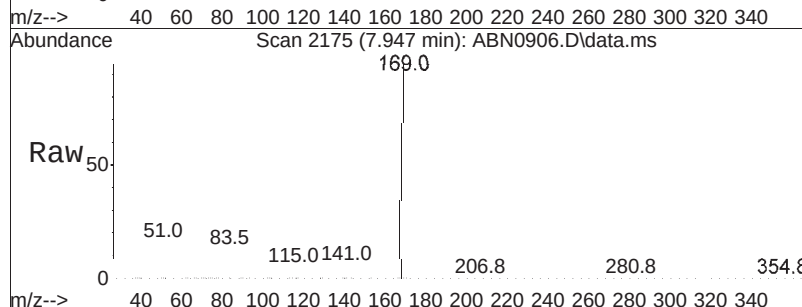
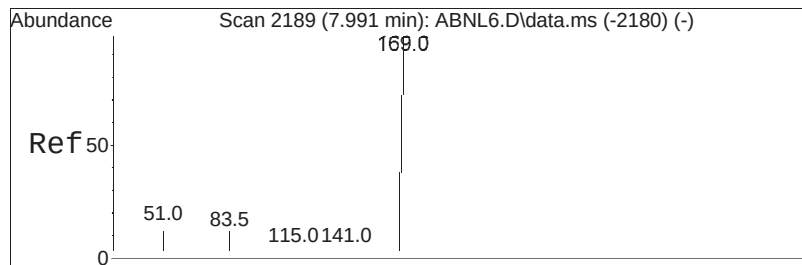




#76
 4,6-Dinitro-o-cresol
 Concen: 4.86 ug/ml
 RT: 7.872 min Scan# 2151
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	20768		
51	51.9		76.0	114.0#
105	46.9		45.6	68.4





#77

NDPA/DPA

Concen: 4.86 ug/ml

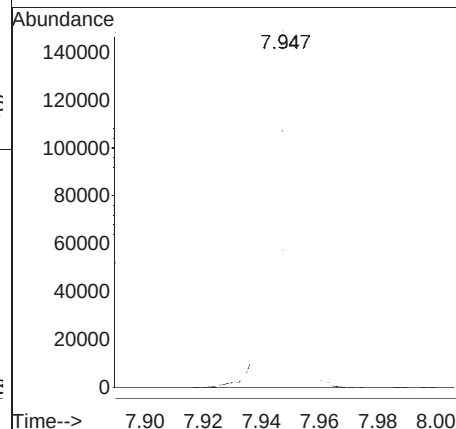
RT: 7.947 min Scan# 2175

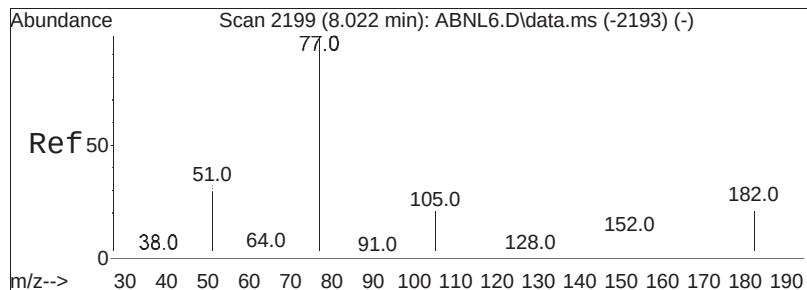
Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

Tgt Ion:	169	Resp:	117556
Ion Ratio	Lower	Upper	
169	100		
168	72.0	54.0	81.0
167	39.1	28.6	42.8





#78

Azobenzene

Concen: 4.94 ug/ml

RT: 7.978 min Scan# 2185

Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

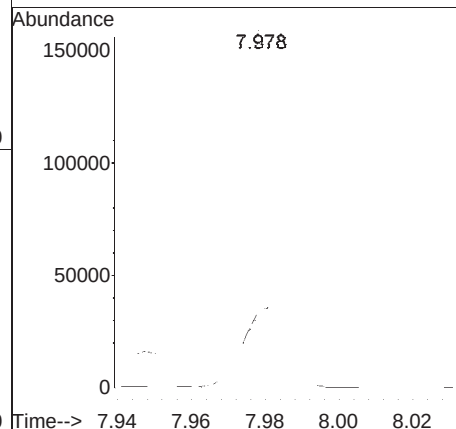
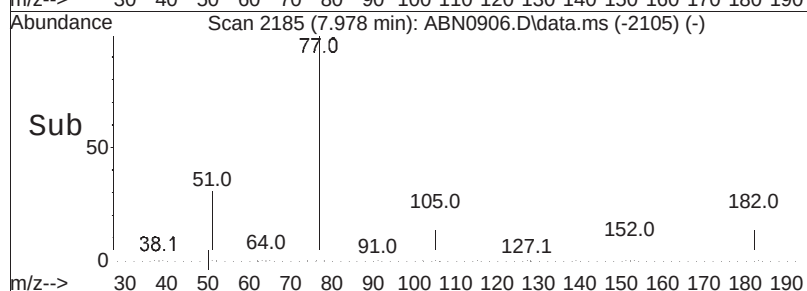
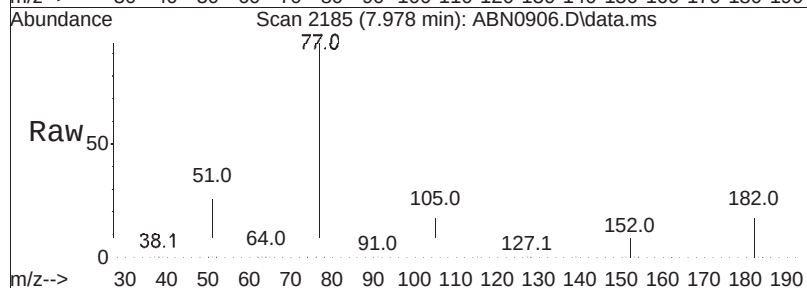
Tgt Ion: 77 Resp: 125524

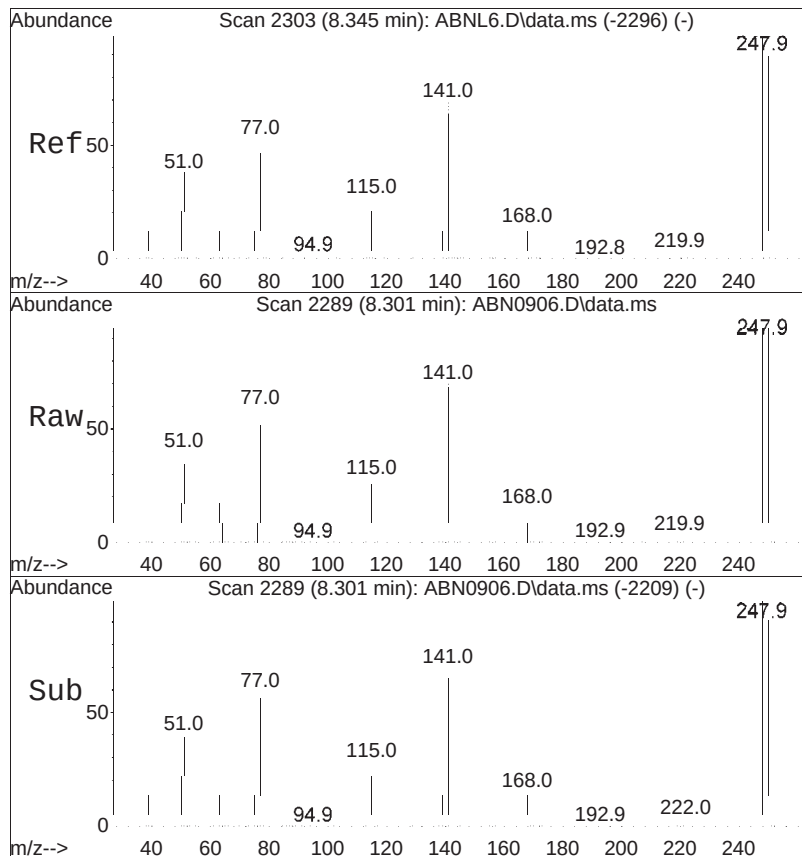
Ion Ratio Lower Upper

77 100

182 22.9 17.4 26.2

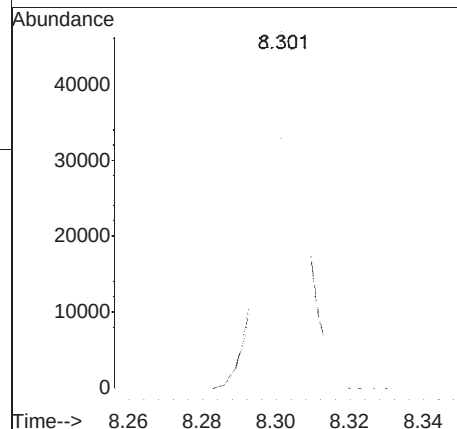
105 21.8 15.4 23.2

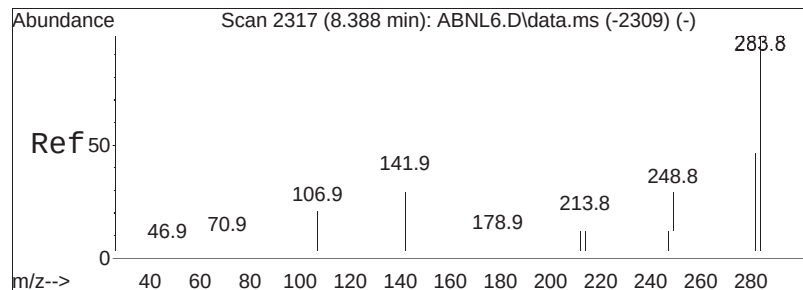




#80
 4-Bromophenyl phenyl ether
 Concen: 4.57 ug/ml
 RT: 8.301 min Scan# 2289
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

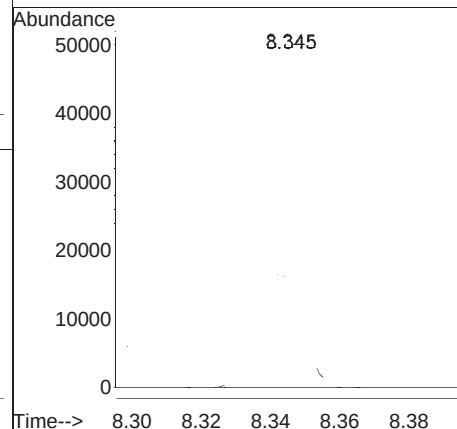
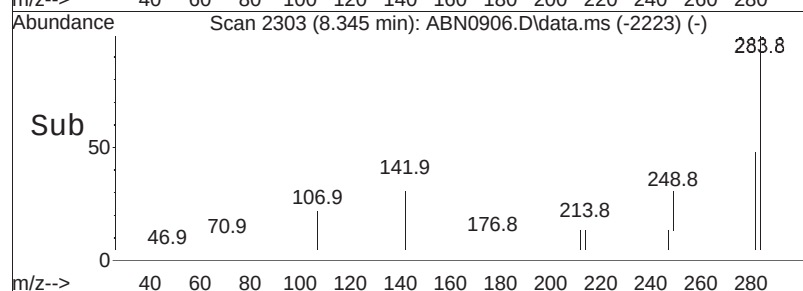
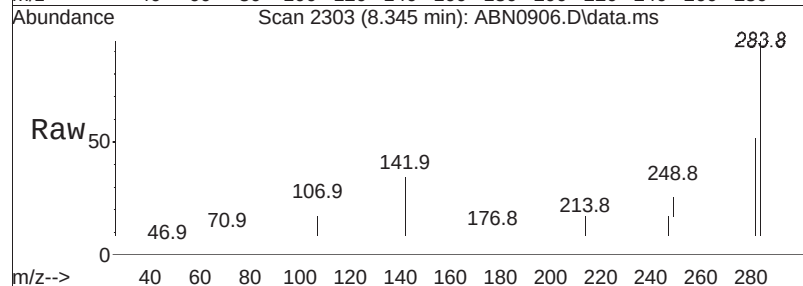
Tgt	Ion:248	Resp:	38766
Ion	Ratio	Lower	Upper
248	100		
141	68.9	76.6	114.8#
250	93.5	77.3	115.9

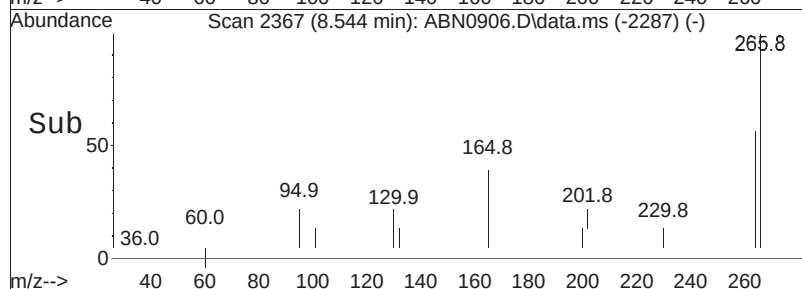
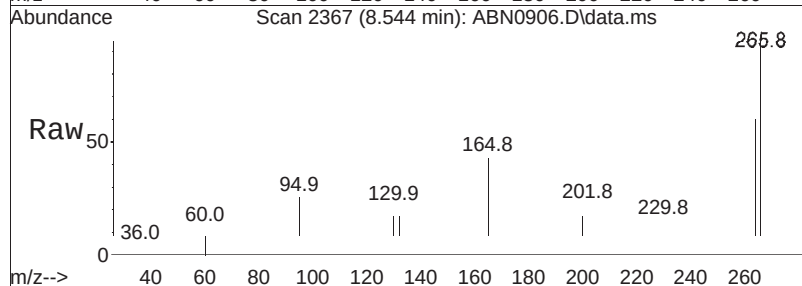
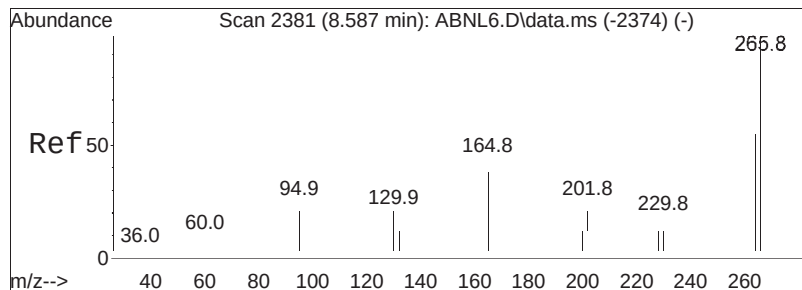




#81
 Hexachlorobenzene
 Concen: 4.53 ug/ml
 RT: 8.345 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.3	41.9	62.9#
249	31.1	24.1	36.1





#82

Pentachlorophenol

Concen: 4.90 ug/ml

RT: 8.544 min Scan# 2367

Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

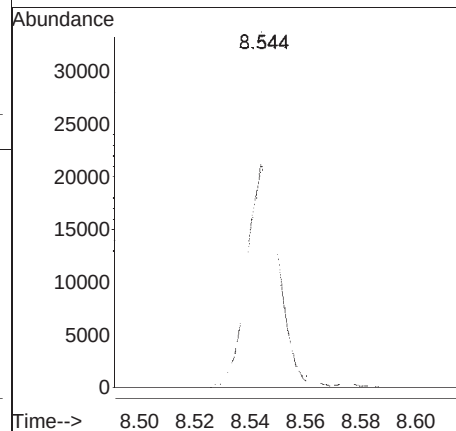
Tgt Ion: 266 Resp: 27383

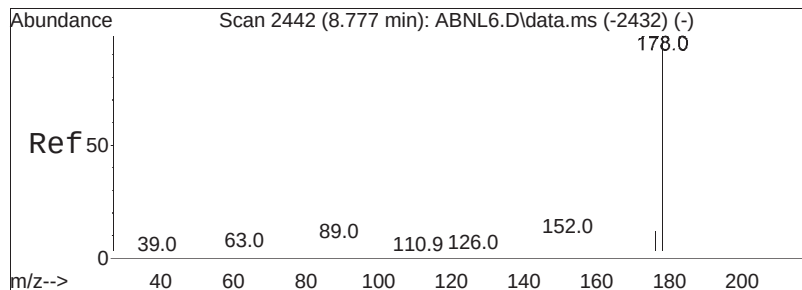
Ion Ratio Lower Upper

266 100

264 61.7 49.7 74.5

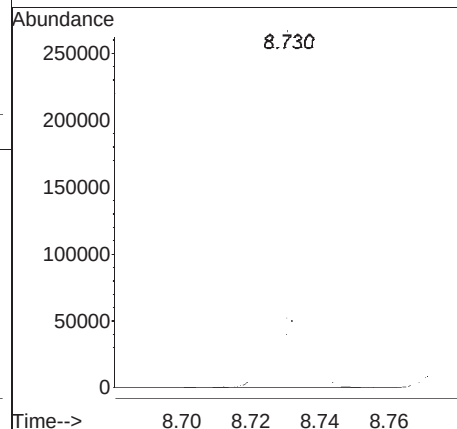
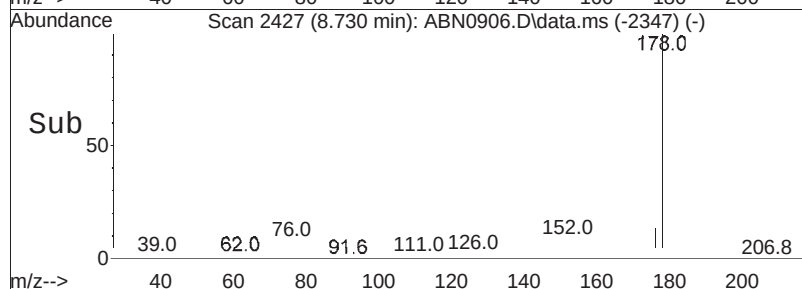
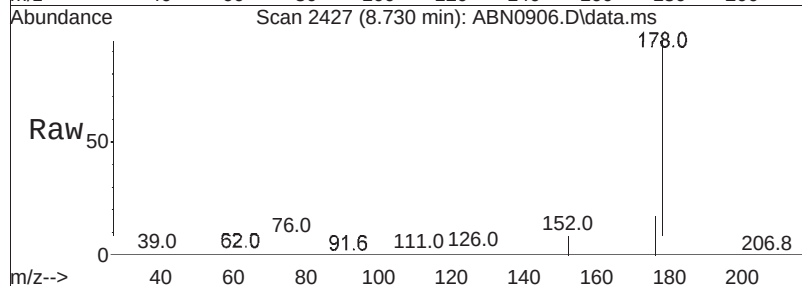
268 61.3 50.5 75.7

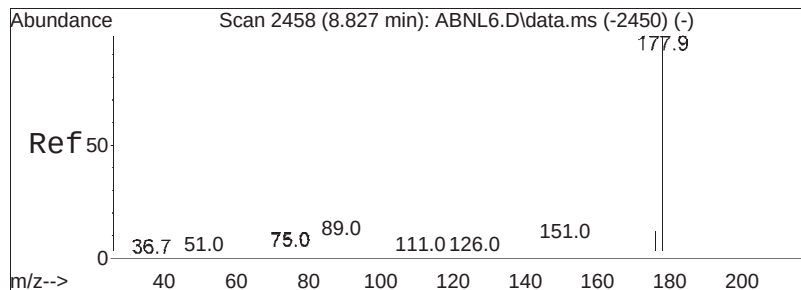




#89
 Phenanthrene
 Concen: 4.71 ug/ml
 RT: 8.730 min Scan# 2427
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

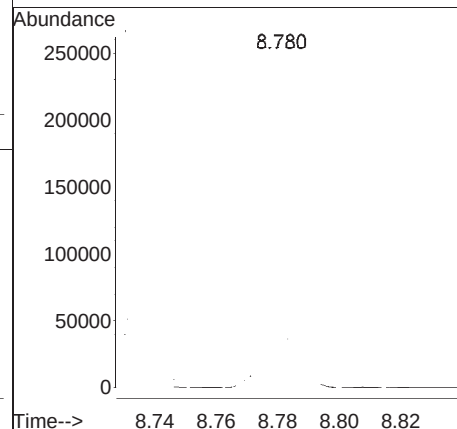
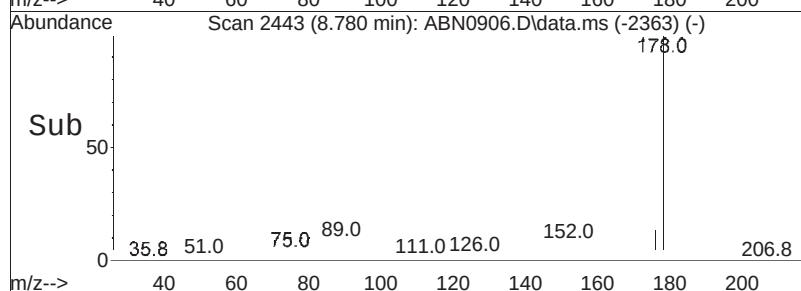
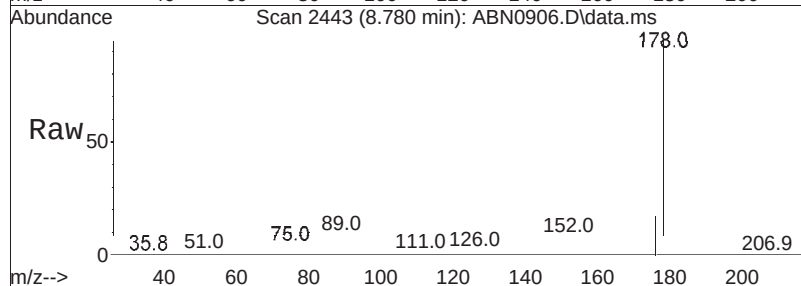
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.4	15.4	23.2

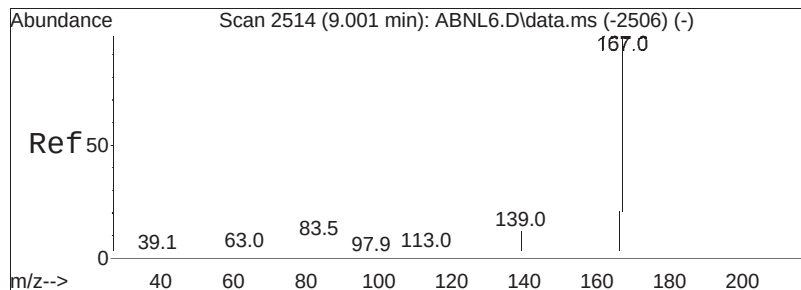




#90
 Anthracene
 Concen: 4.76 ug/ml
 RT: 8.780 min Scan# 2443
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

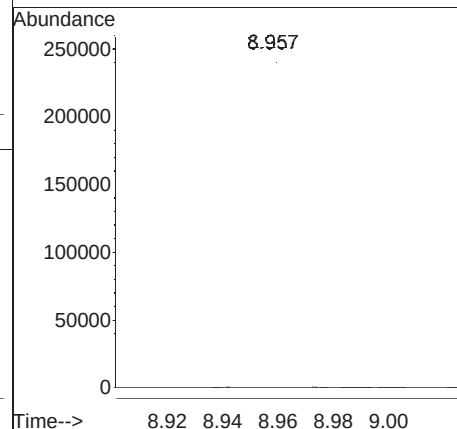
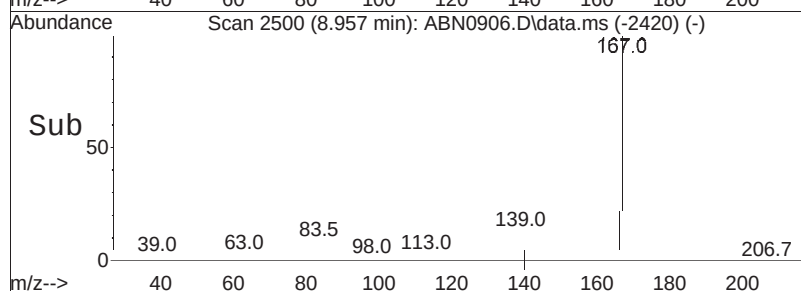
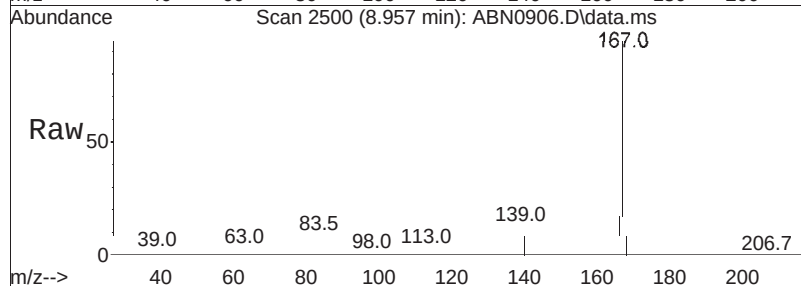
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	19.1	14.6	22.0

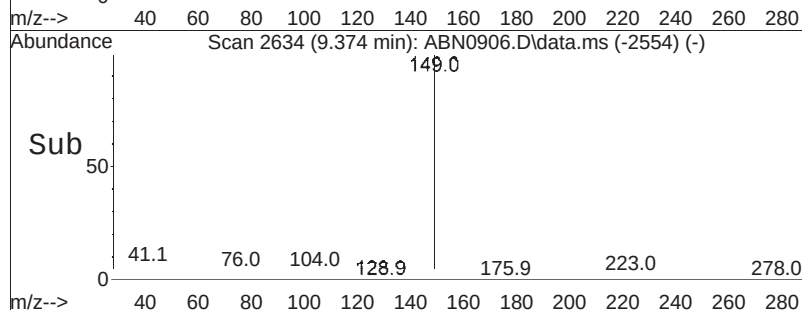
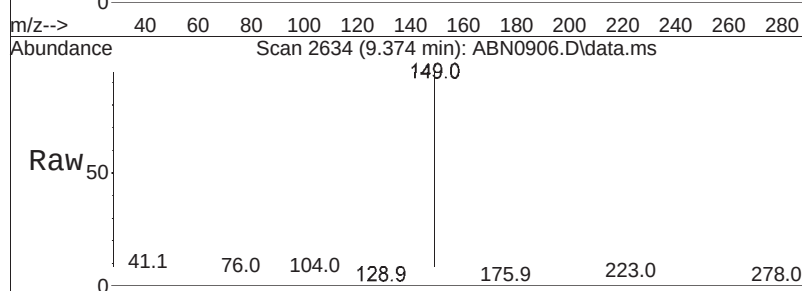
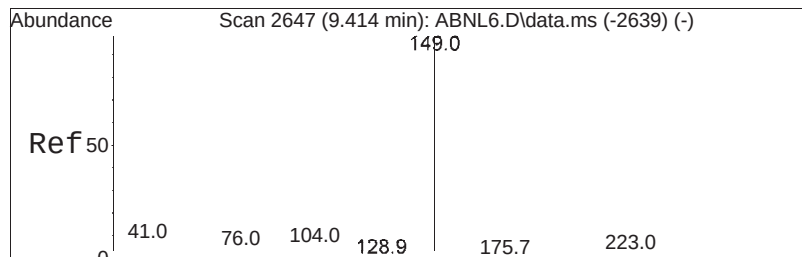




#91
 Carbazole
 Concen: 5.01 ug/ml
 RT: 8.957 min Scan# 2500
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

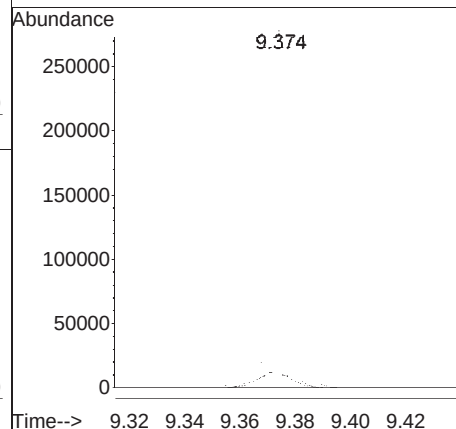
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.9	10.6	15.8
166	22.9	17.4	26.0

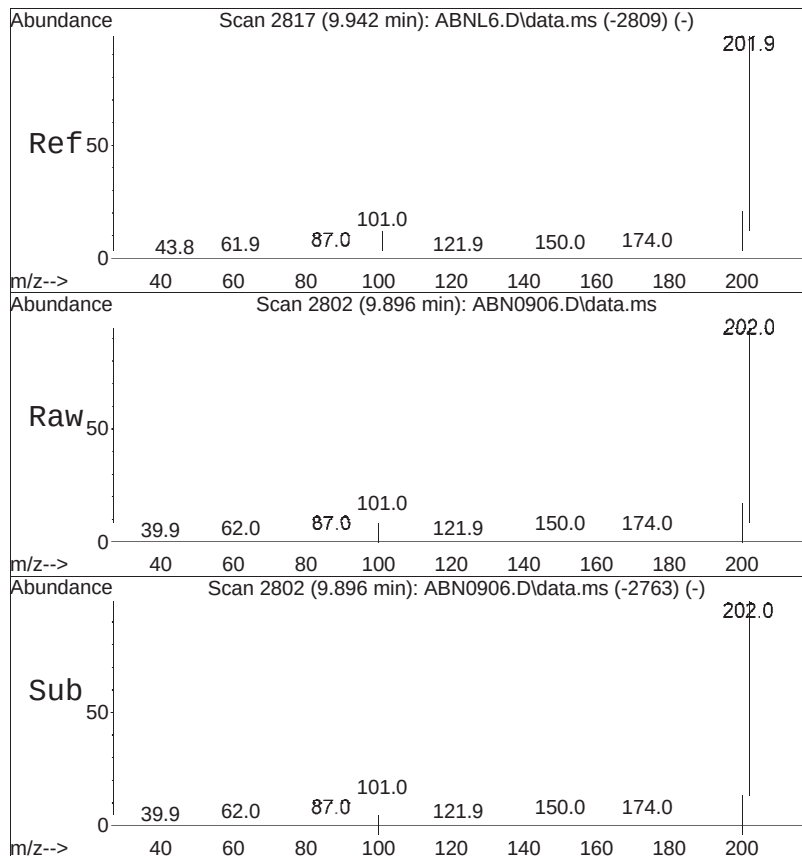




#92
 Di-n-butylphthalate
 Concen: 4.88 ug/ml
 RT: 9.374 min Scan# 2634
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

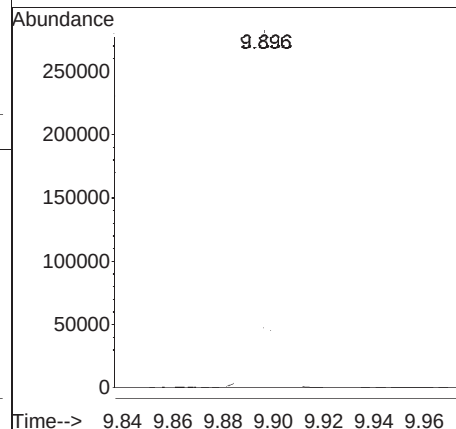
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	232525		
150	9.1		7.0	10.6
104	4.5		4.5	6.7

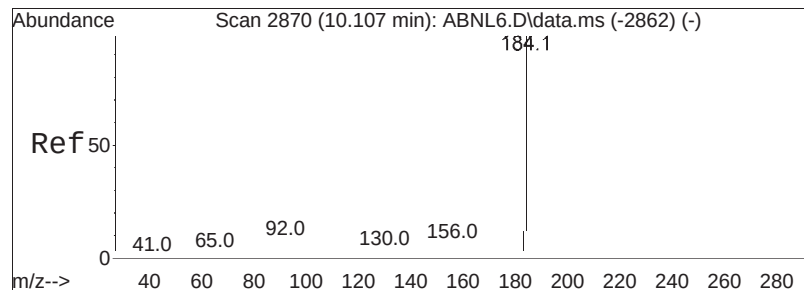




#93
 Fluoranthene
 Concen: 4.81 ug/ml
 RT: 9.896 min Scan# 2802
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	234516		
101	12.1	13.5	20.3#	
203	17.1	13.6	20.4	





#94

Benzidine

Concen: 4.68 ug/ml

RT: 10.064 min Scan# 2856

Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

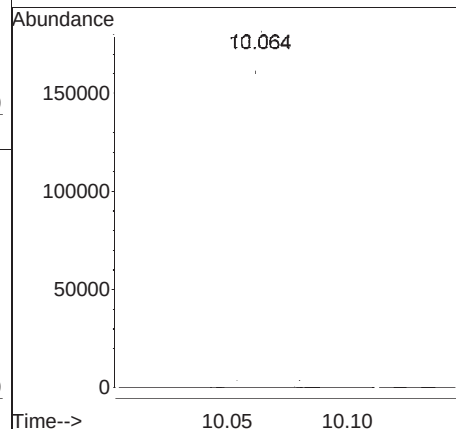
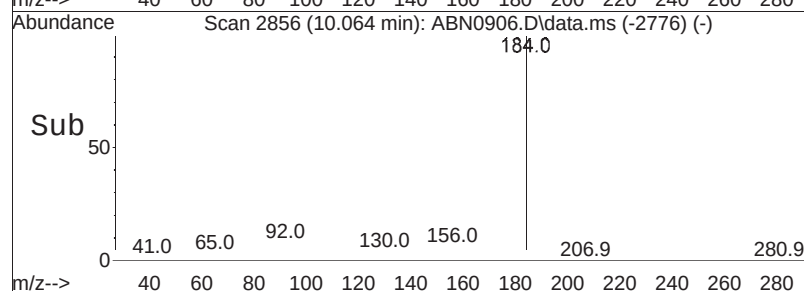
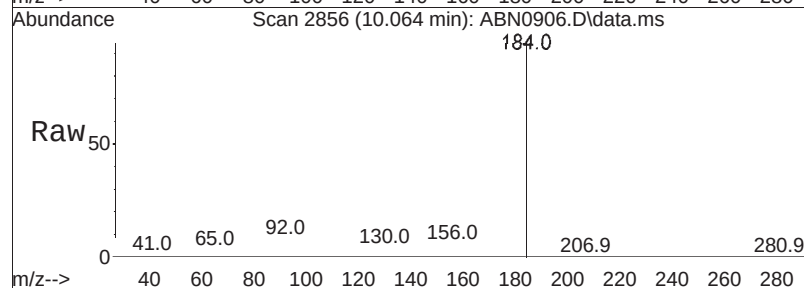
Tgt Ion:184 Resp: 146548

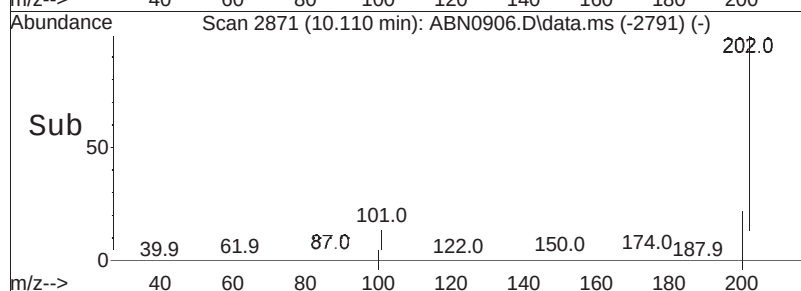
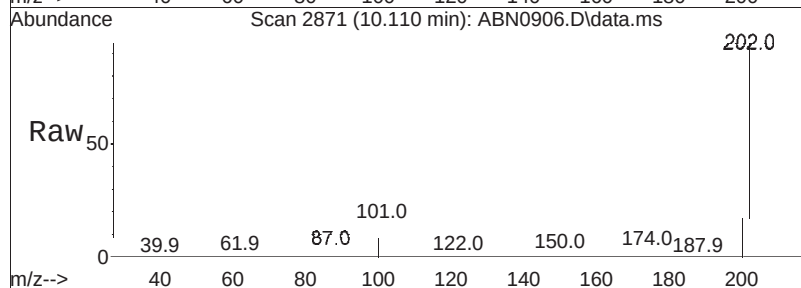
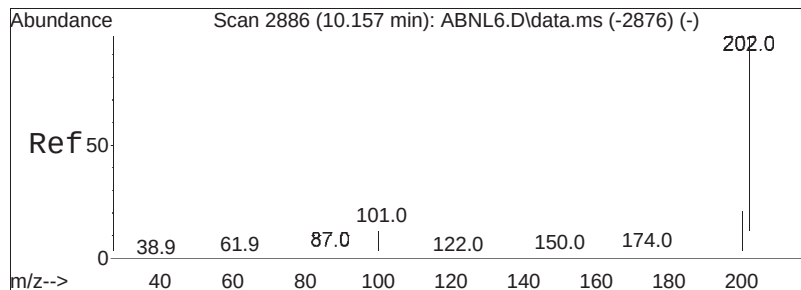
Ion Ratio Lower Upper

184 100

92 8.1 9.1 13.7#

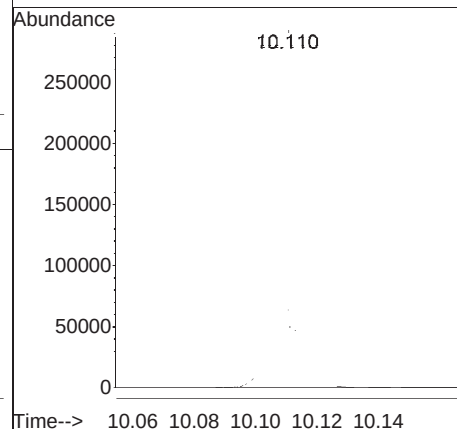
185 13.7 11.1 16.7

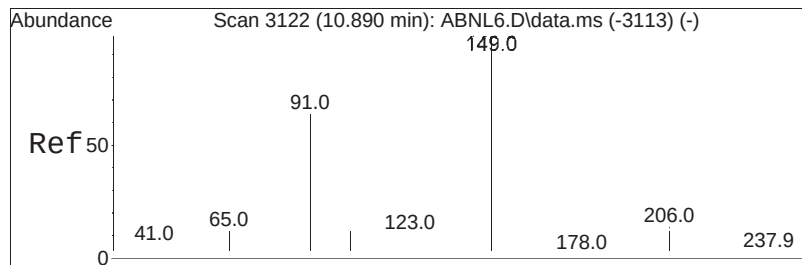




#95
 Pyrene
 Concen: 4.80 ug/ml
 RT: 10.110 min Scan# 2871
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	249679		
200	21.7		16.7	25.1
203	17.7		14.2	21.4





#97

Butyl benzyl phthalate

Concen: 5.08 ug/ml

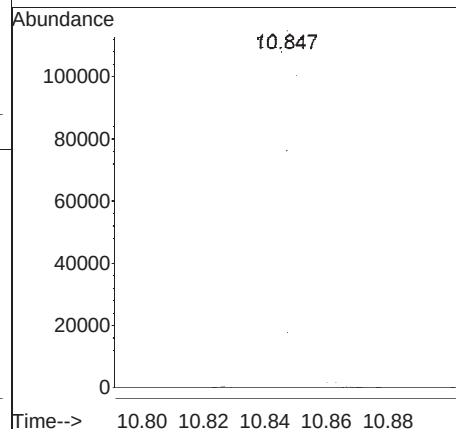
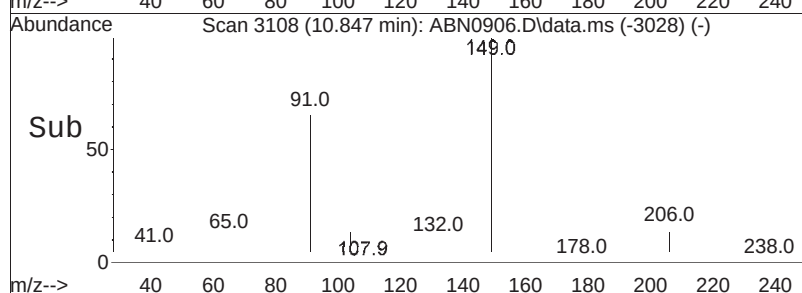
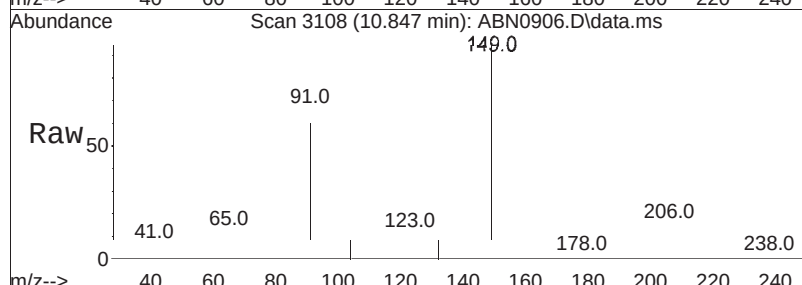
RT: 10.847 min Scan# 3108

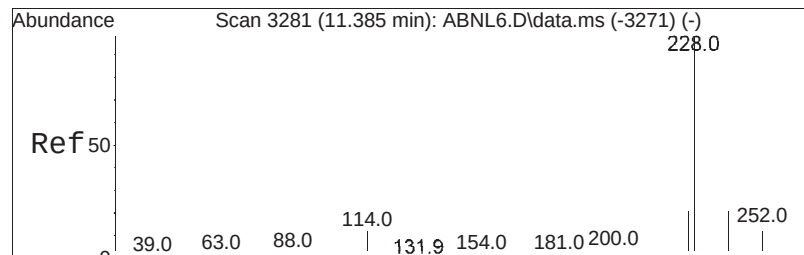
Delta R.T. 0.000 min

Lab File: ABN0906.D

Acq: 6 Sep 2025 7:22 am

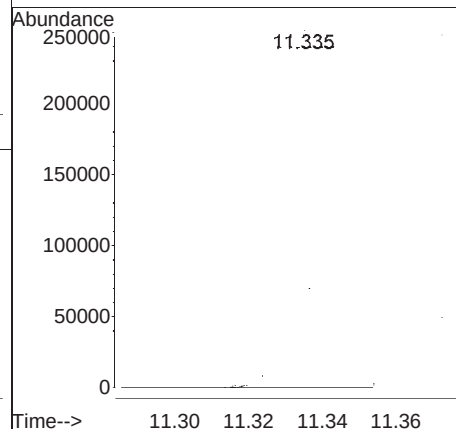
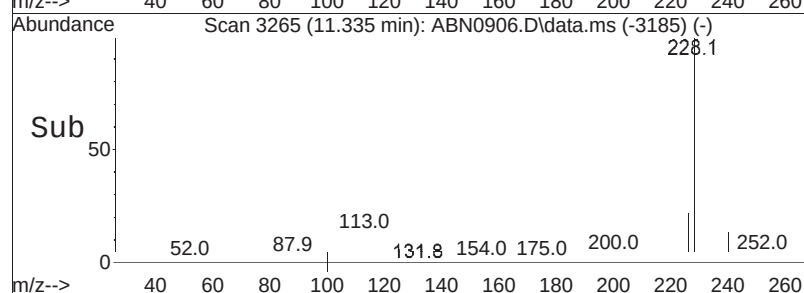
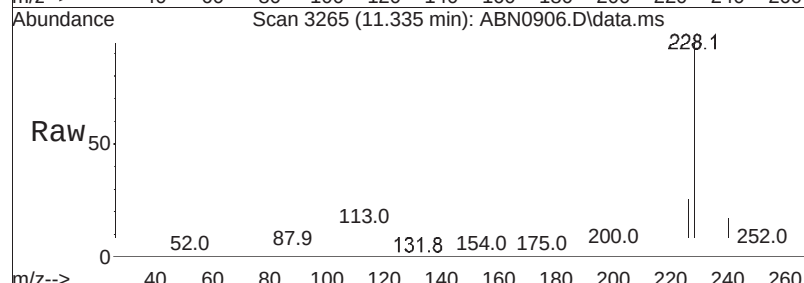
Tgt Ion:	149	Resp:	101108
Ion Ratio	Lower	Upper	
149	100		
91	65.9	63.3	94.9
206	15.3	13.9	20.9

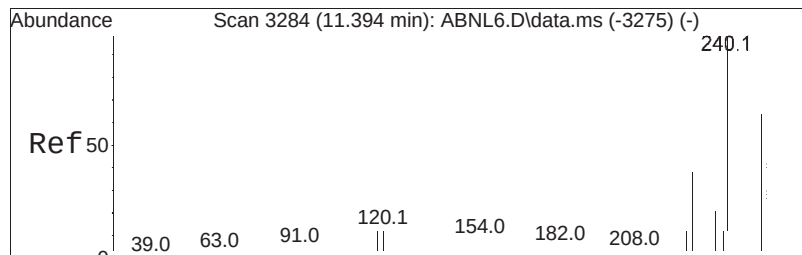




#105
 Benzo(a)anthracene
 Concen: 4.76 ug/ml
 RT: 11.335 min Scan# 3265
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

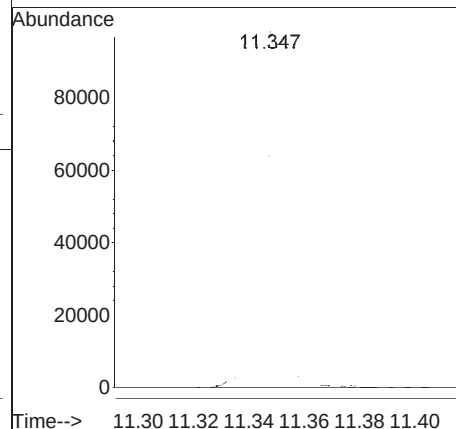
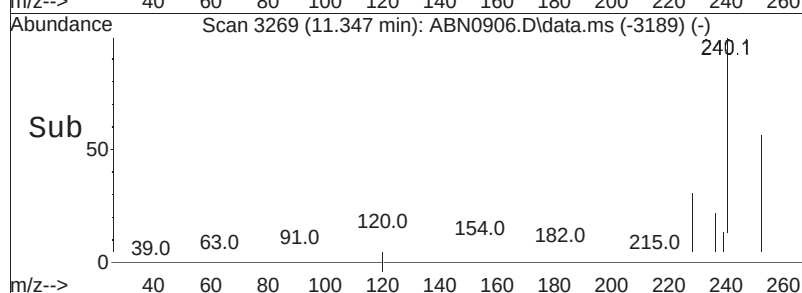
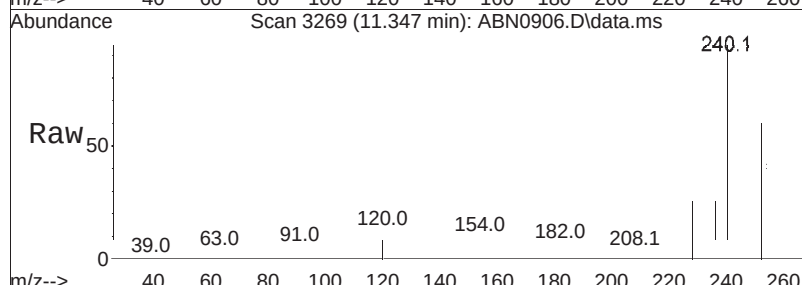
Tgt Ion:	228	Resp:	241823
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.2	33.4
229	19.5	15.6	23.4

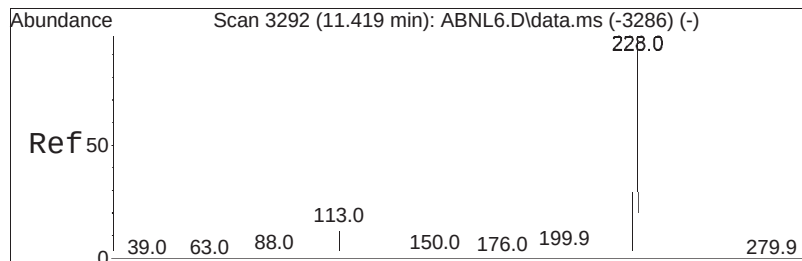




#106
 3,3'-Dichlorobenzidine
 Concen: 5.07 ug/ml
 RT: 11.347 min Scan# 3269
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

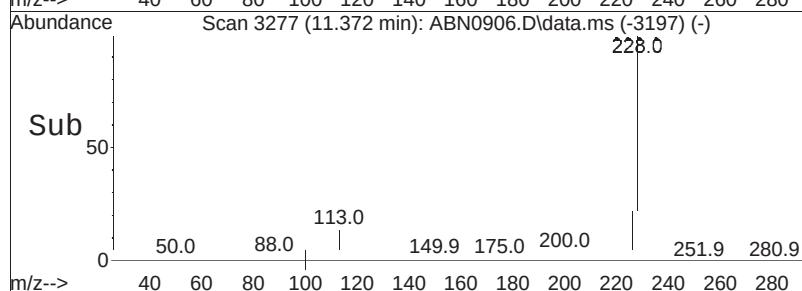
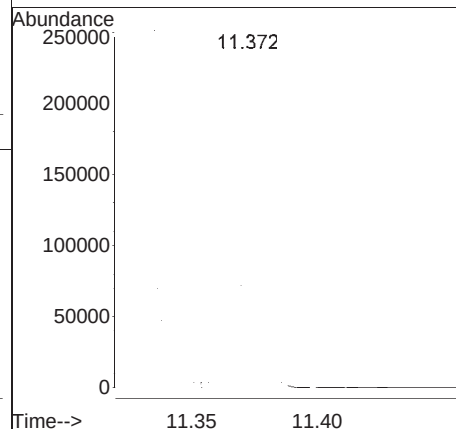
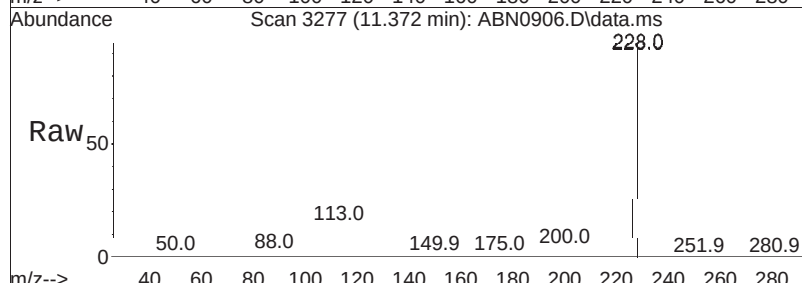
Tgt Ion	Ratio	Lower	Upper
252	100		
126	15.7	14.5	21.7
254	63.8	51.2	76.8

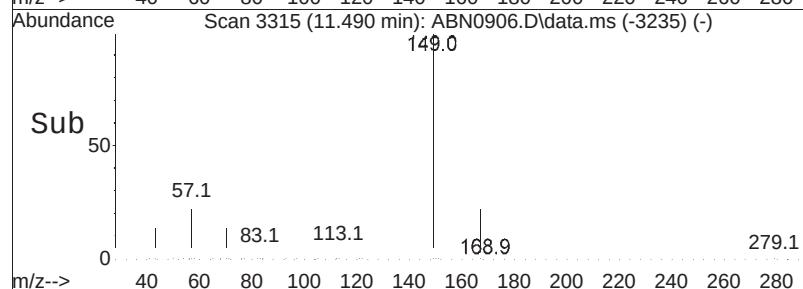
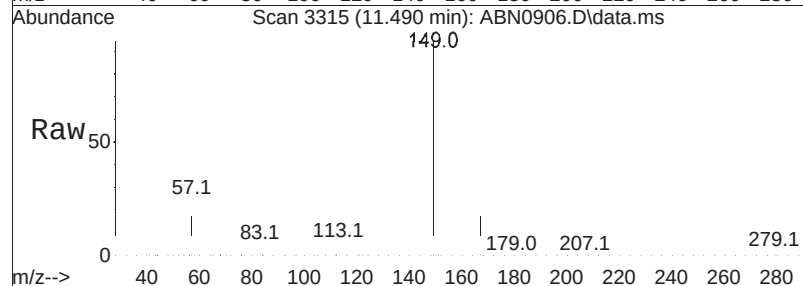
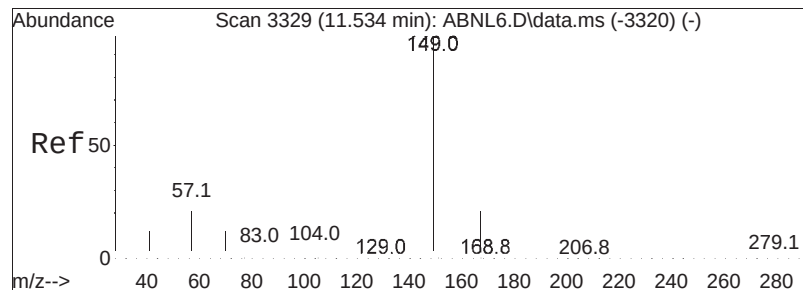




#107
 Chrysene
 Concen: 4.64 ug/ml
 RT: 11.372 min Scan# 3277
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

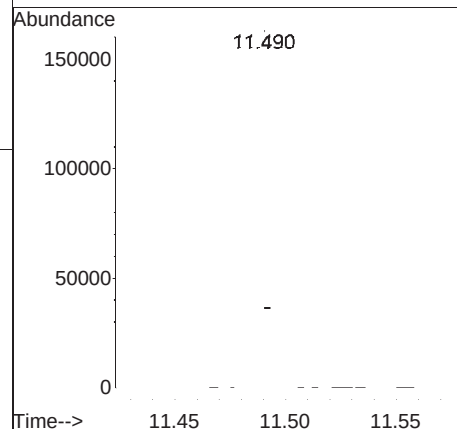
Tgt Ion:	228	Resp:	233523
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.0	36.0
229	19.6	15.8	23.8

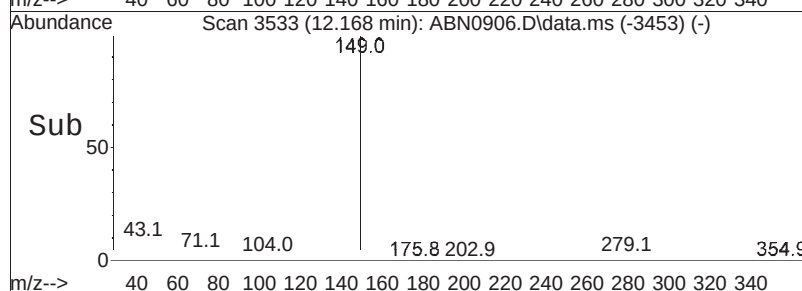
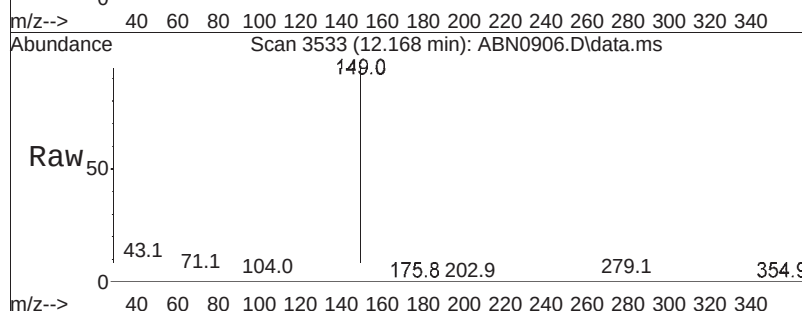
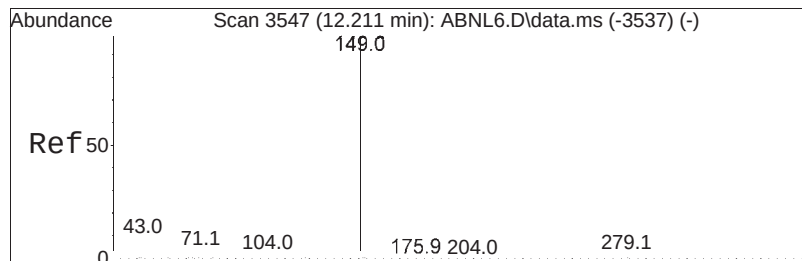




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.93 ug/ml
 RT: 11.490 min Scan# 3315
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

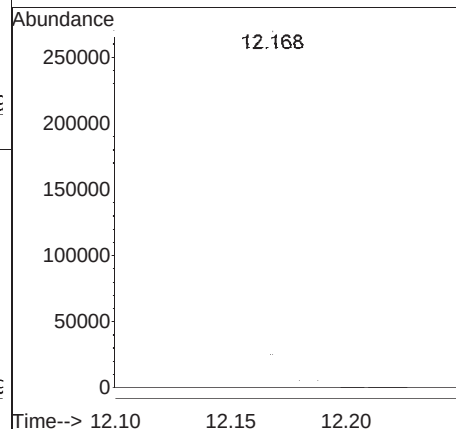
Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.8	22.1	33.1
279	2.1	3.0	4.4#

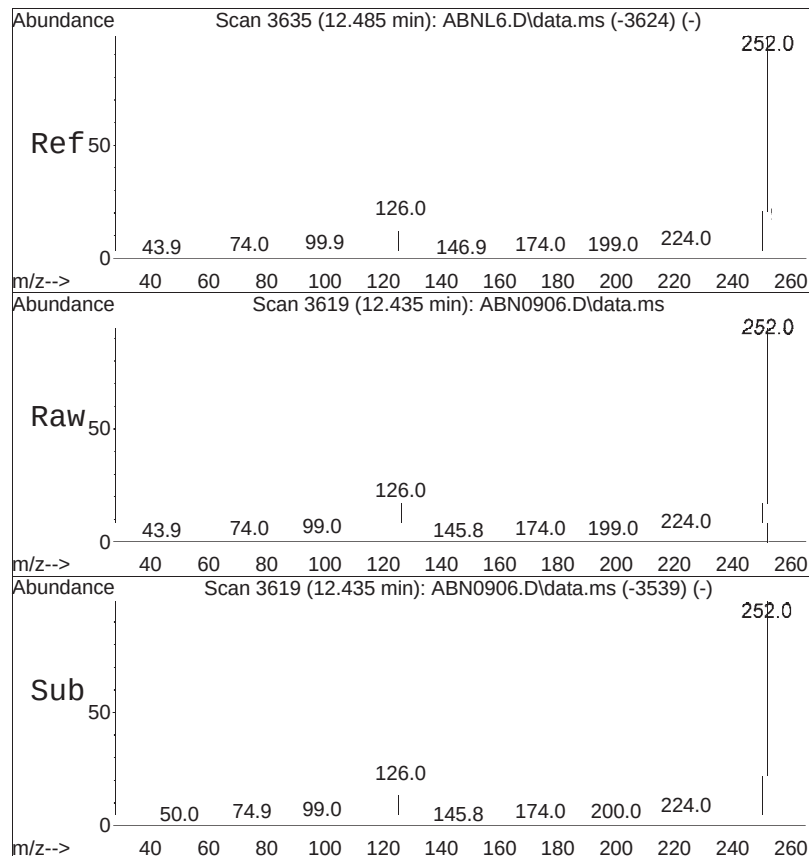




#109
 Di-n-octylphthalate
 Concen: 4.98 ug/ml
 RT: 12.168 min Scan# 3533
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

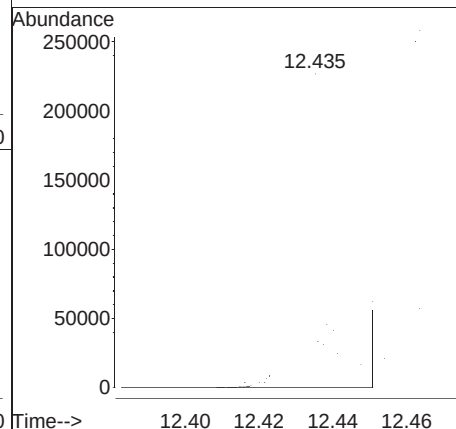
Tgt Ion	149	Ratio	100	Resp:	265782
Ion	Ratio	Lower	Upper		
149	100				
43	9.4	18.8	28.2#		
167	1.3	1.3	1.9		

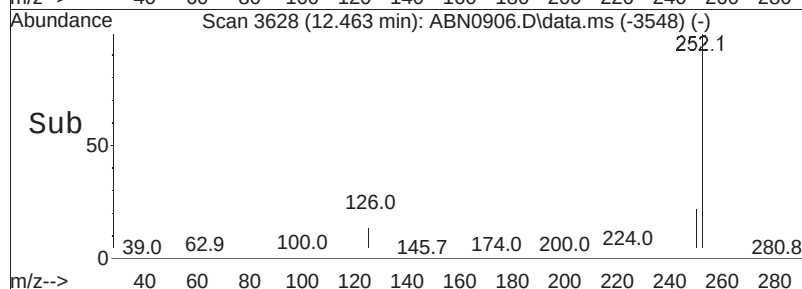
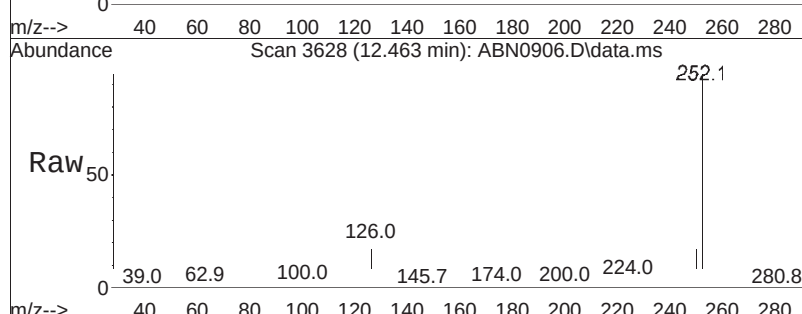
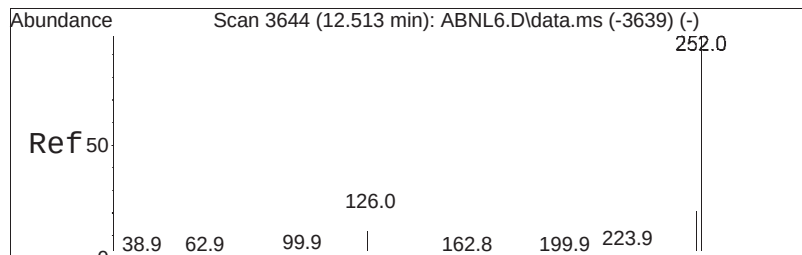




#110
 Benzo(b)fluoranthene
 Concen: 5.13 ug/ml
 RT: 12.435 min Scan# 3619
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

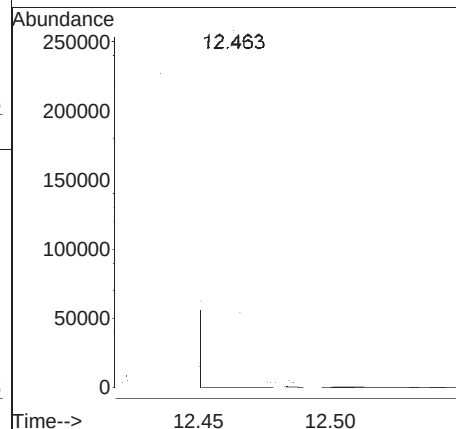
Tgt Ion:	252	Resp:	246593
Ion Ratio	Lower	Upper	
252	100		
125	14.4	13.3	19.9
253	21.8	17.1	25.7

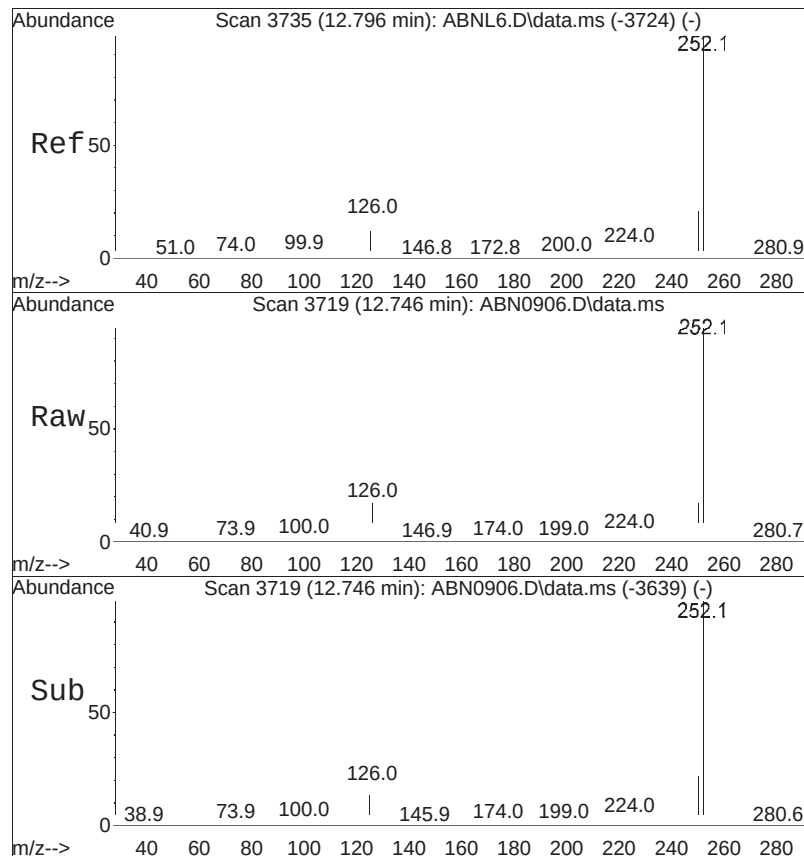




#111
 Benzo(k)fluoranthene
 Concen: 5.01 ug/ml
 RT: 12.463 min Scan# 3628
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

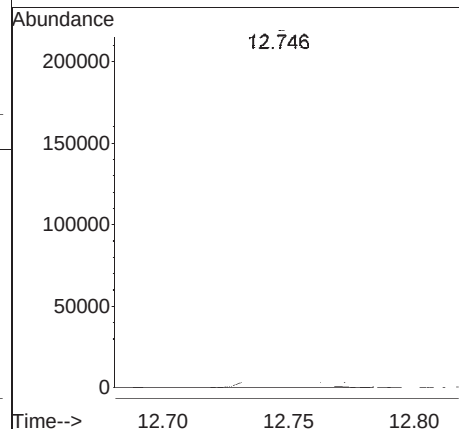
Tgt Ion	Ratio	Lower	Upper
252	100		
125	13.8	13.0	19.6
253	22.0	16.8	25.2

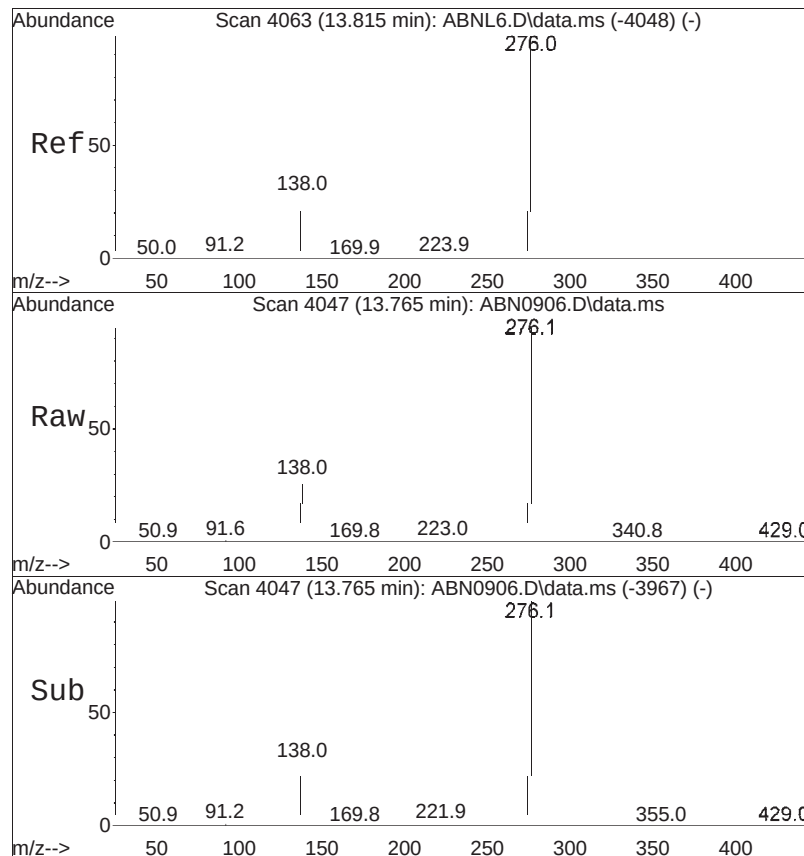




#112
 Benzo(a)pyrene
 Concen: 5.22 ug/ml
 RT: 12.746 min Scan# 3719
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

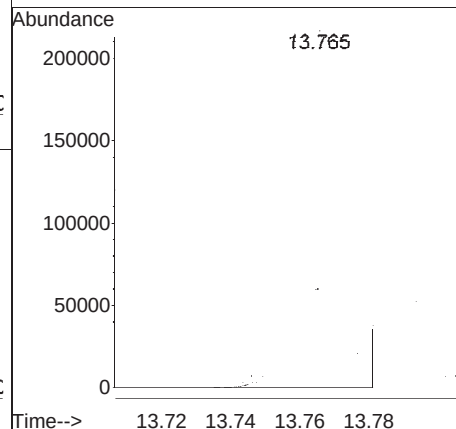
Tgt	Ion:252	Resp:	235157
Ion	Ratio	Lower	Upper
252	100		
125	15.3	14.2	21.2
253	21.8	16.9	25.3

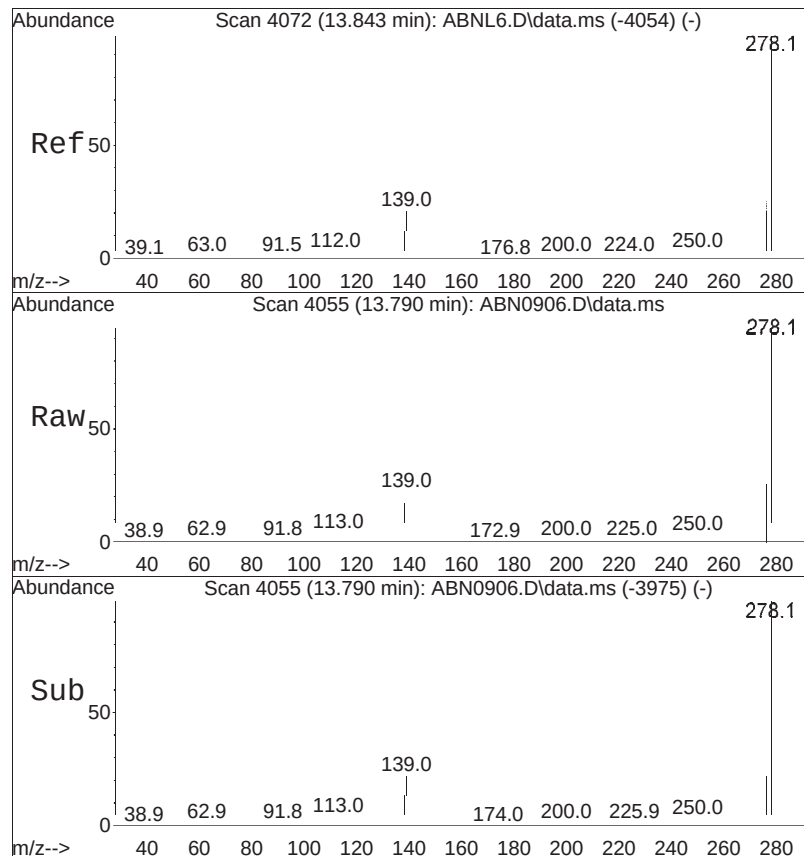




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 4.96 ug/mL
 RT: 13.765 min Scan# 4047
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

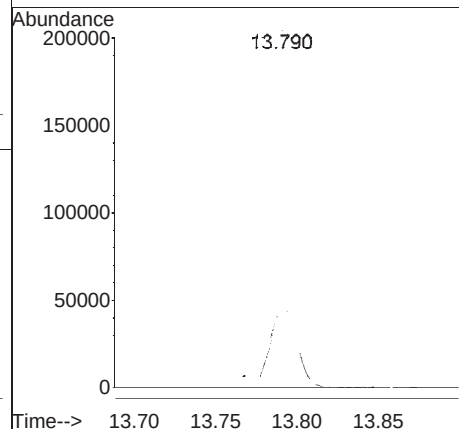
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	234142		
138	30.1		25.1	37.7
277	25.5		18.6	28.0

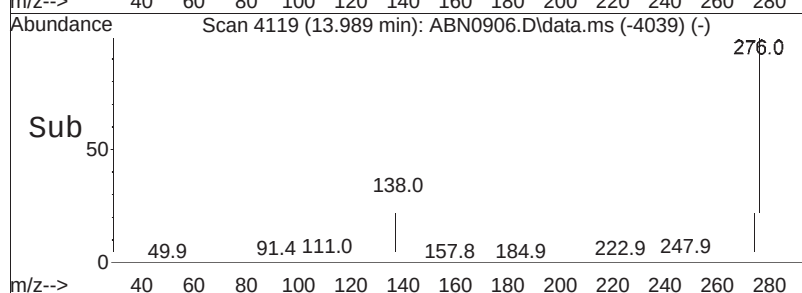
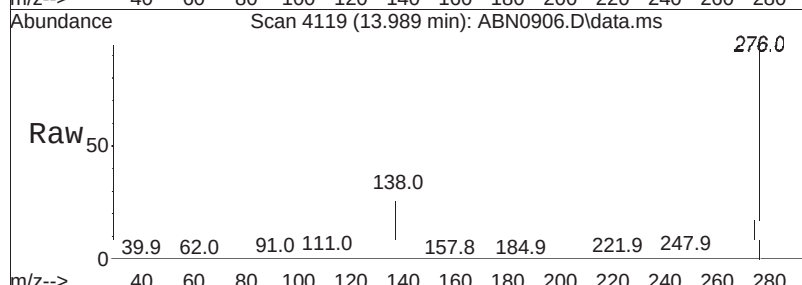
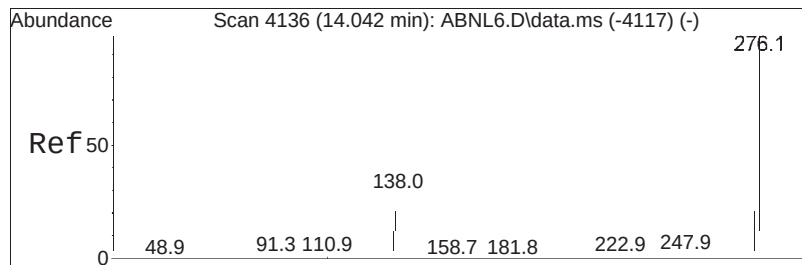




#115
 Dibenzo(a,h)anthracene
 Concen: 4.96 ug/ml
 RT: 13.790 min Scan# 4055
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

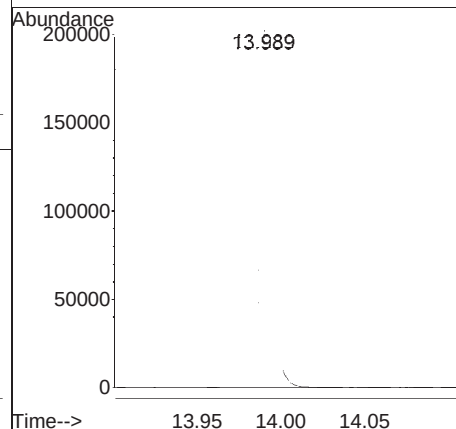
Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.1	20.8	31.2
279	22.7	18.3	27.5





#116
 Benzo(ghi)perylene
 Concen: 4.96 ug/ml
 RT: 13.989 min Scan# 4119
 Delta R.T. 0.000 min
 Lab File: ABN0906.D
 Acq: 6 Sep 2025 7:22 am

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	238572		
138	31.9		29.2	43.8
277	23.8		18.8	28.2



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: ABN0906.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 7:22 am	Instrument	: SV 106
Sample	: WG2111447-3,32,,ABN 11881	Quant Date	

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250906RVT\
 Data File : AP90906.D
 Acq On : 6 Sep 2025 7:44 am
 Operator : SV106:jg
 Sample : WG2111447-4,32,,AP9 11965 cmm0831A
 Misc : WG2111447,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 06 08:54:59 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:55:37 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
28 T	Benzaldehyde	0.645	0.801	-24.2#	148	0.00
29 T	Acetophenone	1.905	1.817	4.6	114	0.00
30 T	m-Toluidine	1.123	1.385	-23.3#	134	0.00
31 T	2-Chloroaniline	1.724	1.726	-0.1	115	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	117	0.00
56 T	a-Terpineol	0.267	0.256	4.1	112	0.00
57 T	3-Chloroaniline	0.114	0.123	-7.9	117	0.00
58 T	2,6-Dichlorophenol	0.285	0.296	-3.9	120	0.00
59 T	1-chloro-2-nitrobenzene	0.135	0.139	-3.0	119	0.00
60 T	Caprolactam	0.142	0.151	-6.3	119	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.373	0.340	8.8	109	0.00
62 T	Biphenyl	0.931	0.866	7.0	112	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	117	0.00
84 T	Dichloran	0.158	0.153	3.2	111	0.00
85 T	Pentachloronitrobenzene	0.154	0.146	5.2	104	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	114	0.00
99 T	Diphenamid	0.487	0.472	3.1	105	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : AP90906.D
 Acq On : 6 Sep 2025 7:44 am
 Operator : SV106:jg
 Sample : WG2111447-4,32,,AP9 11965 cmm0831A
 Misc : WG2111447,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 06 08:54:59 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:55:37 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.261	152	36238	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	5.532	136	143351	4.000	ug/ml	# 0.00
83) IS2_Acenaphthene-d10	7.263	164	82721	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	8.708	188	162705	4.000	ug/ml	# 0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.807	105	36305	6.214	ug/ml	88
29) Acetophenone	4.683	105	82285	4.768	ug/ml#	80
30) m-Toluidine	4.770	106	62721	6.167	ug/ml	97
31) 2-Chloroaniline	5.134	127	78170	5.006	ug/ml#	90
56) a-Terpineol	5.603	59	45789	4.784	ug/ml#	84
57) 3-Chloroaniline	5.616	65	21992	5.362	ug/ml	82
58) 2,6-Dichlorophenol	5.638	162	53089	5.194	ug/ml#	84
59) 1-chloro-2-nitrobenzene	5.899	111	24953	5.167	ug/ml#	1
60) Caprolactam	5.939	55	27006	5.316	ug/ml#	73
61) 1,2,4,5-Tetrachloroben...	6.418	216	60858	4.551	ug/ml	98
62) Biphenyl	6.719	154	155162	4.651	ug/ml	98
84) Dichloran	8.410	206	15801	4.825	ug/ml#	71
85) Pentachloronitrobenzene	8.559	237	15117	4.735	ug/ml#	87
99) Diphenamid	9.644	167	95979	4.848	ug/ml#	82

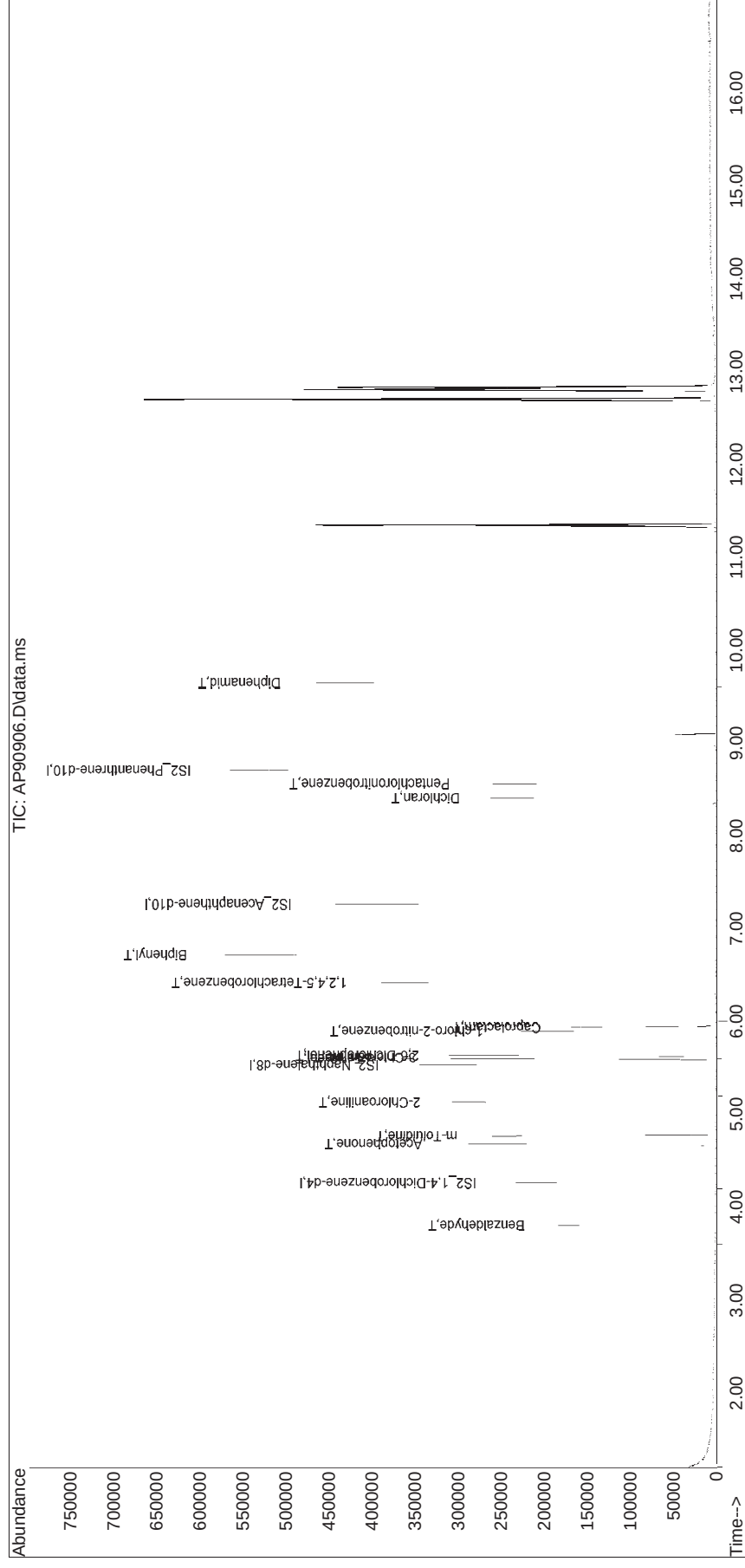
(#) = qualifier out of range (m) = manual integration (+) = signals summed

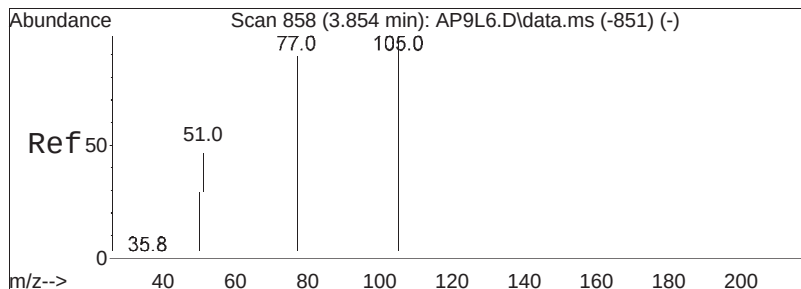
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : AP90906.D
 Acq On : 6 Sep 2025 7:44 am
 Operator : SV106:jg
 Sample : WG2111447-4,32,,AP9 11965 cmm0831A
 Misc : WG2111447,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 06 08:54:59 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:55:37 2025
 Response via : Initial Calibration

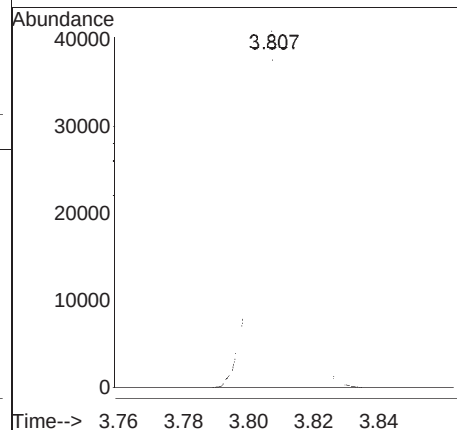
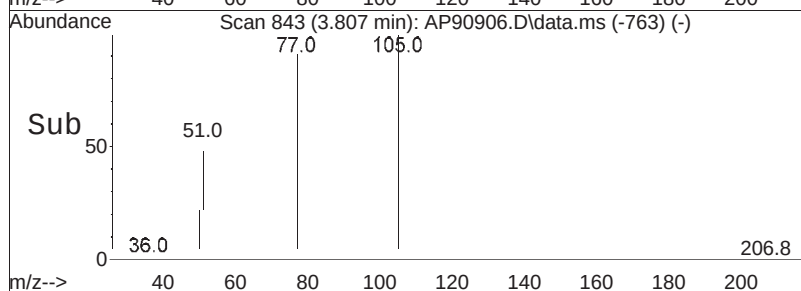
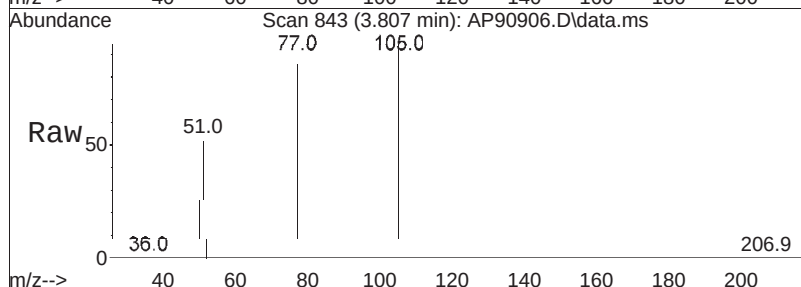
Sub List : AP9ical - AP9 ical sublist

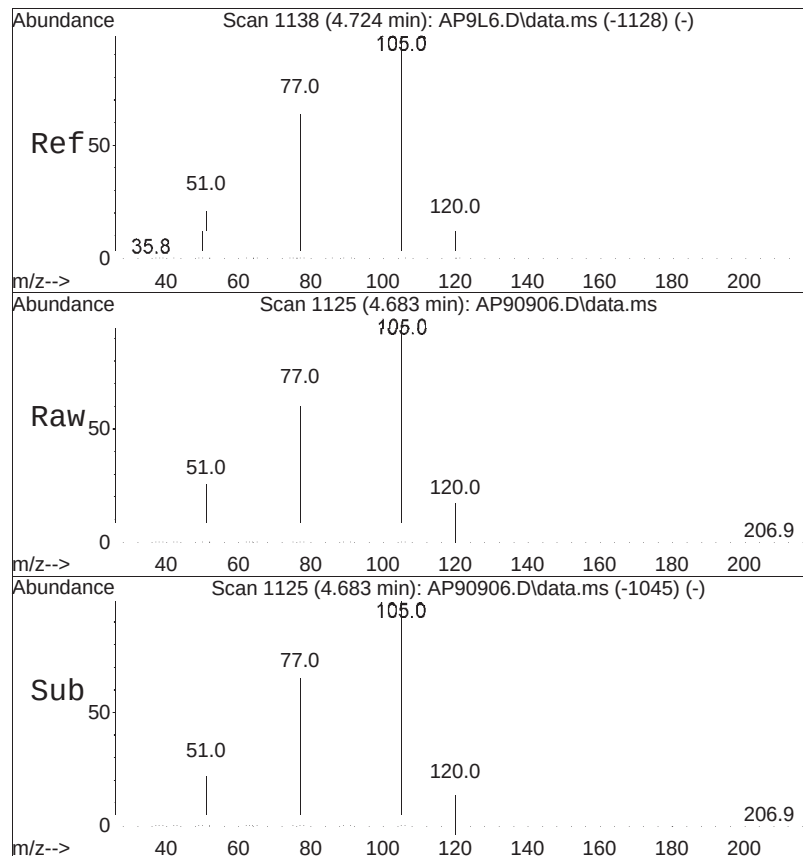




#28
Benzaldehyde
Concen: 6.21 ug/ml
RT: 3.807 min Scan# 843
Delta R.T. 0.000 min
Lab File: AP90906.D
Acq: 6 Sep 2025 7:44 am

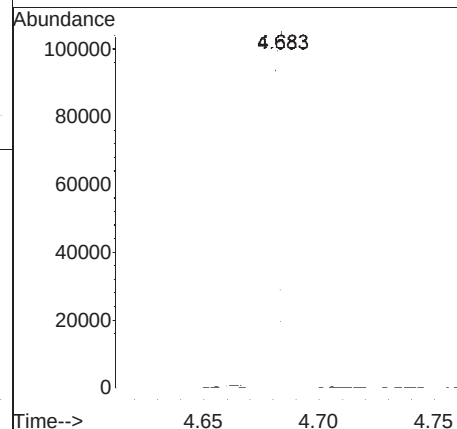
Tgt Ion:105 Resp: 36305
Ion Ratio Lower Upper
105 100
77 90.8 82.2 123.4

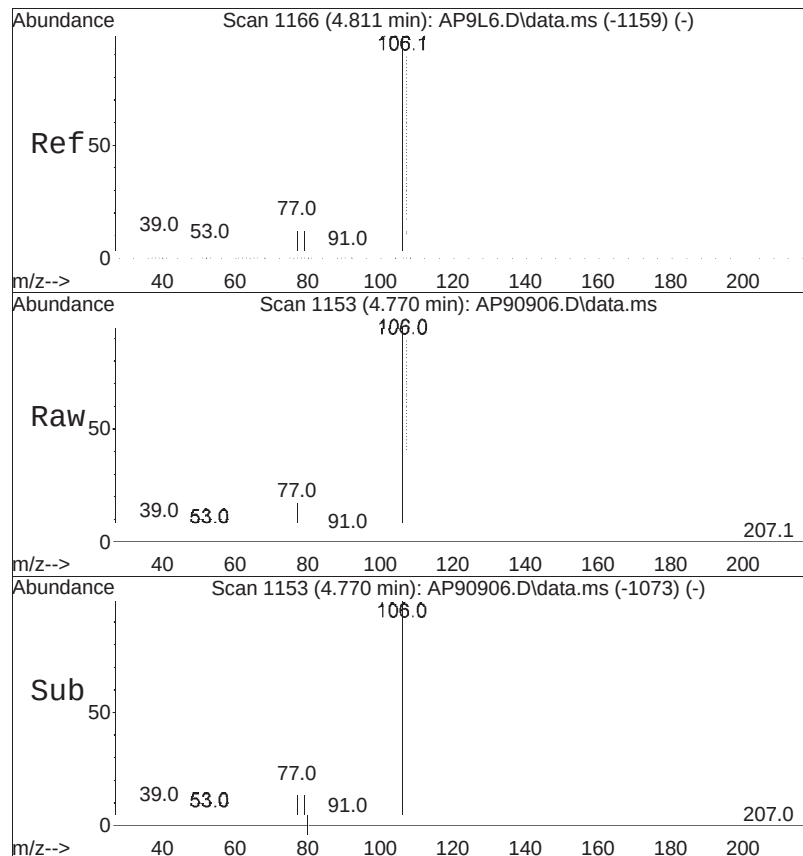




#29
 Acetophenone
 Concen: 4.77 ug/ml
 RT: 4.683 min Scan# 1125
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

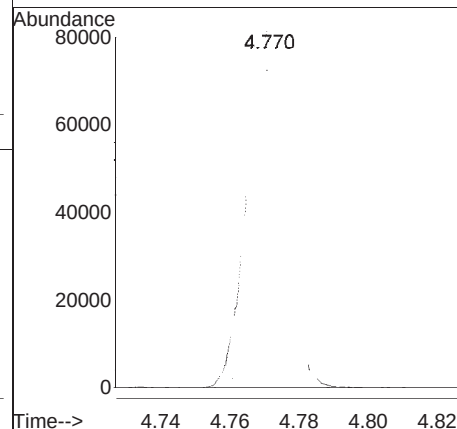
Tgt	Ion:105	Resp:	82285
Ion	Ratio	Lower	Upper
105	100		
120	18.0	20.5	30.7#
51	28.5	34.9	52.3#

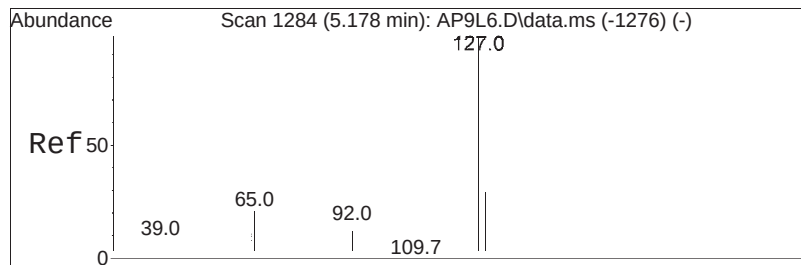




#30
 m-Toluidine
 Concen: 6.17 ug/ml
 RT: 4.770 min Scan# 1153
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

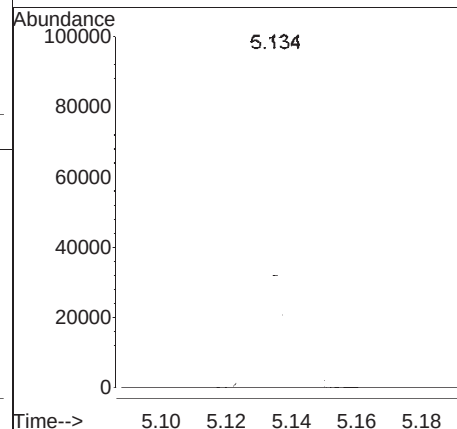
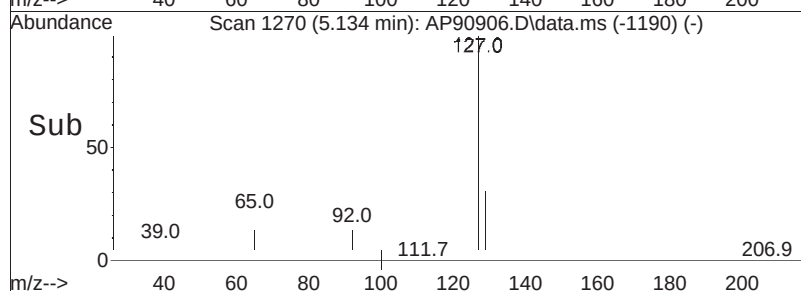
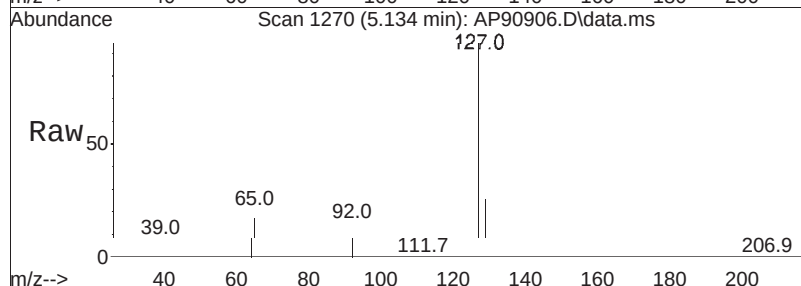
Tgt Ion	Ratio	Resp	Lower	Upper
106	100	62721		
107	91.2		75.7	113.5
79	14.0		11.8	17.8

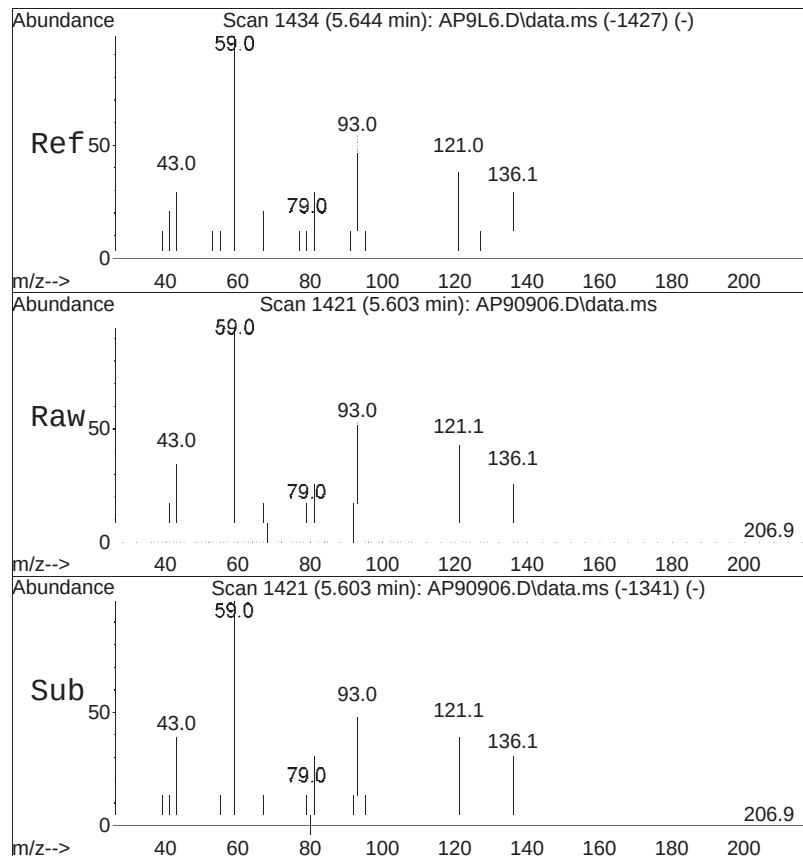




#31
 2-Chloroaniline
 Concen: 5.01 ug/ml
 RT: 5.134 min Scan# 1270
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

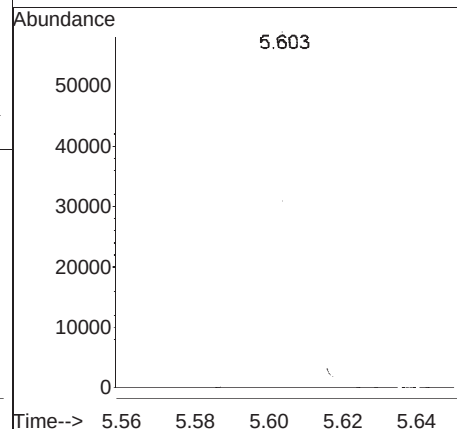
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	21.6	26.3	39.5

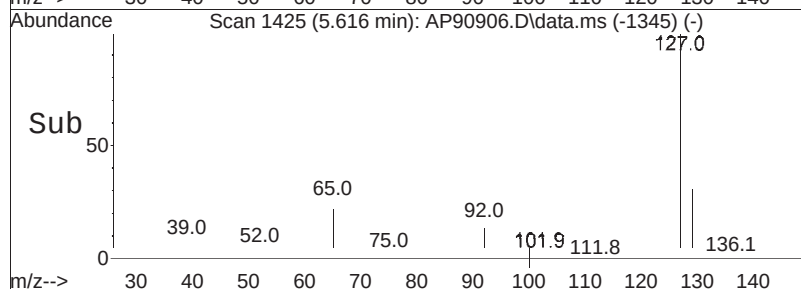
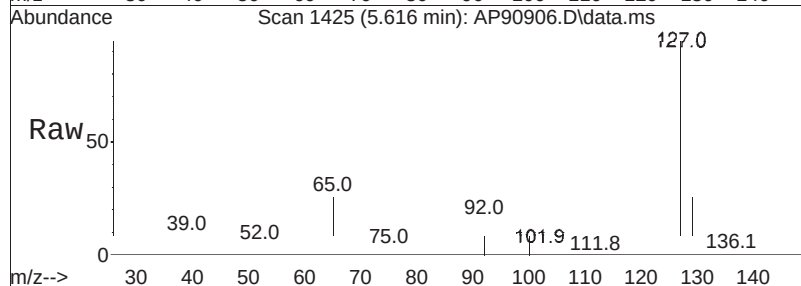
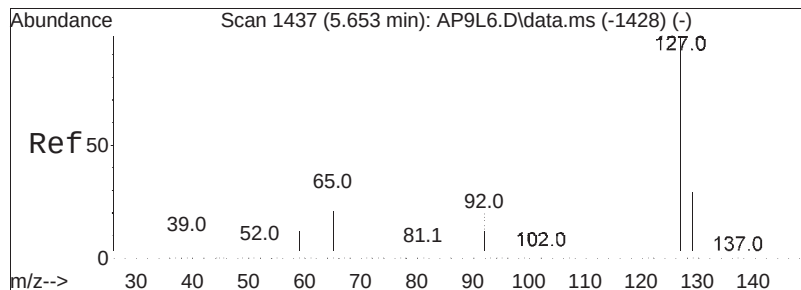




#56
a-Terpineol
Concen: 4.78 ug/ml
RT: 5.603 min Scan# 1421
Delta R.T. 0.000 min
Lab File: AP90906.D
Acq: 6 Sep 2025 7:44 am

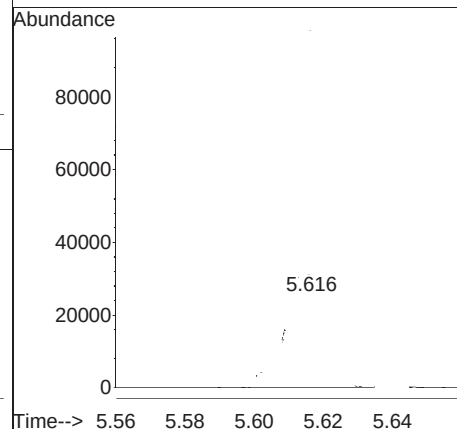
Tgt Ion:	59	93	Ratio	100	54.9	Resp:	45789	Lower	Upper

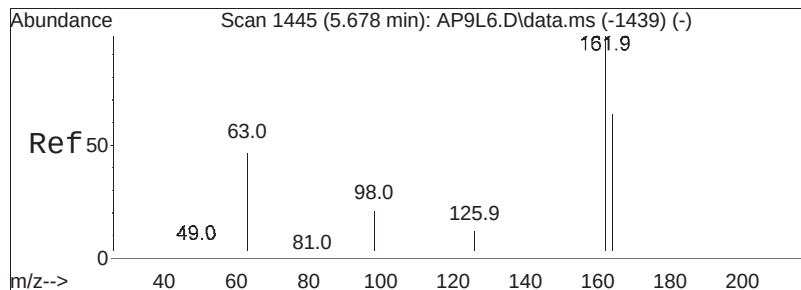




#57
 3-Chloroaniline
 Concen: 5.36 ug/ml
 RT: 5.616 min Scan# 1425
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

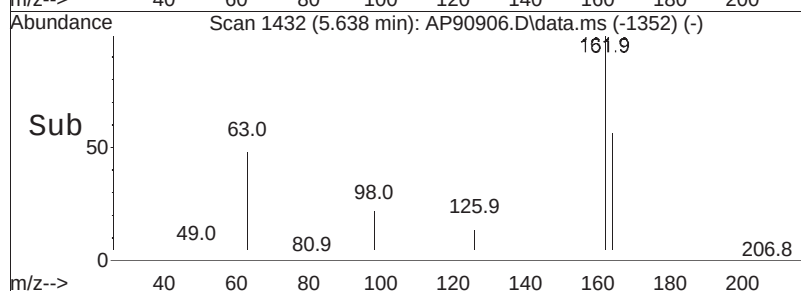
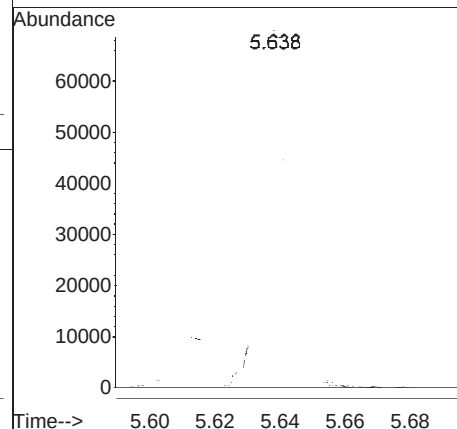
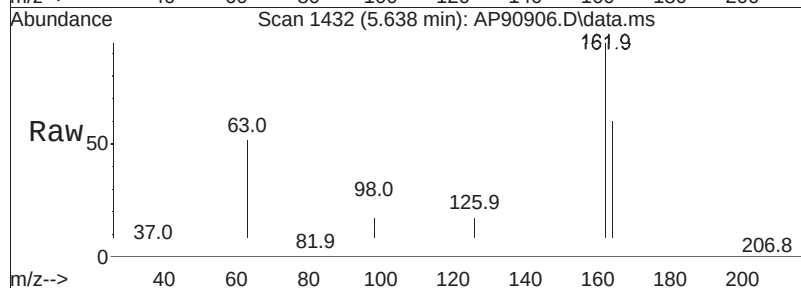
Tgt Ion:	65	Resp:	21992
Ion Ratio	Lower	Upper	
65	100		
127	345.1	243.2	364.8
129	109.5	78.8	118.2

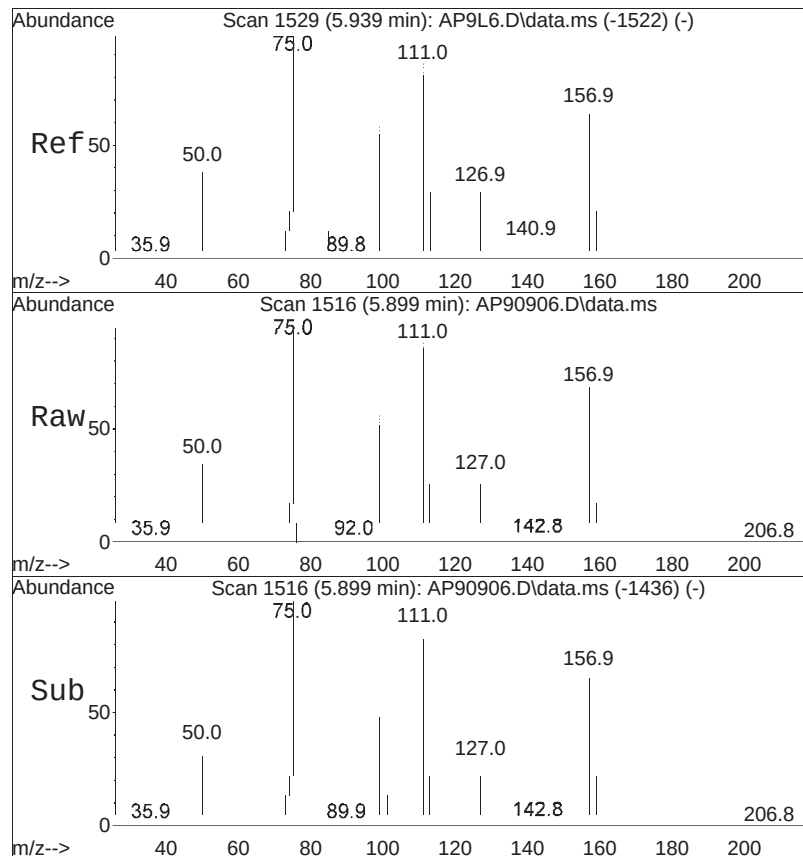




#58
 2,6-Dichlorophenol
 Concen: 5.19 ug/ml
 RT: 5.638 min Scan# 1432
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

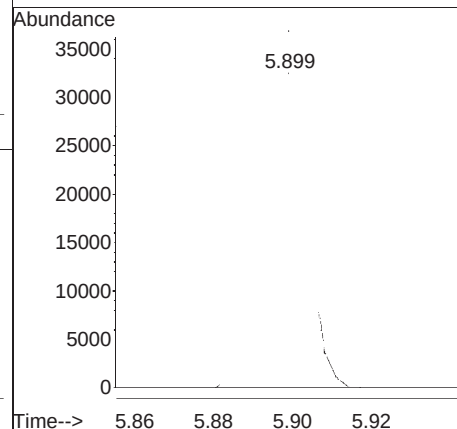
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.4	51.1	76.7
63	51.9	60.8	91.2#

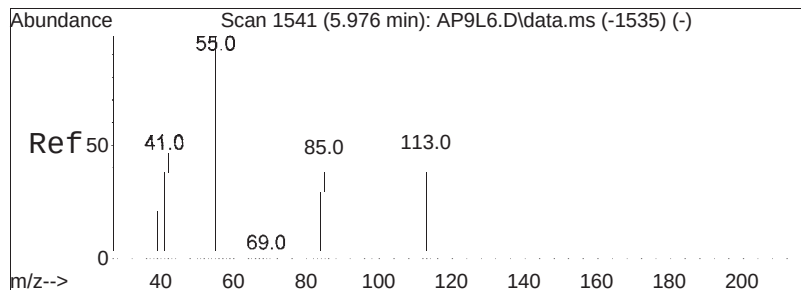




#59
 1-chloro-2-nitrobenzene
 Concen: 5.17 ug/ml
 RT: 5.899 min Scan# 1516
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

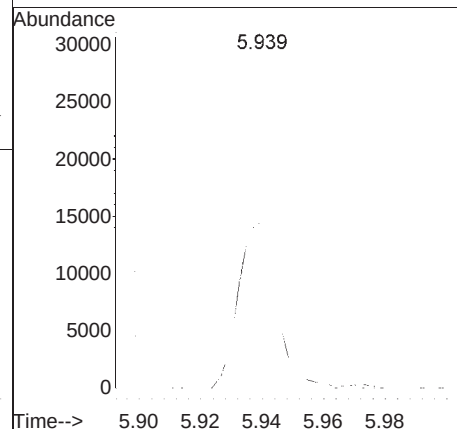
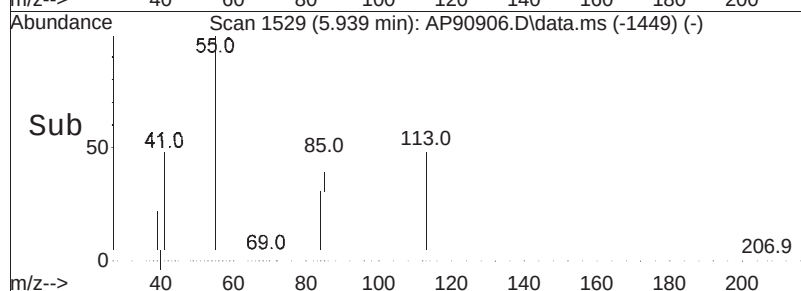
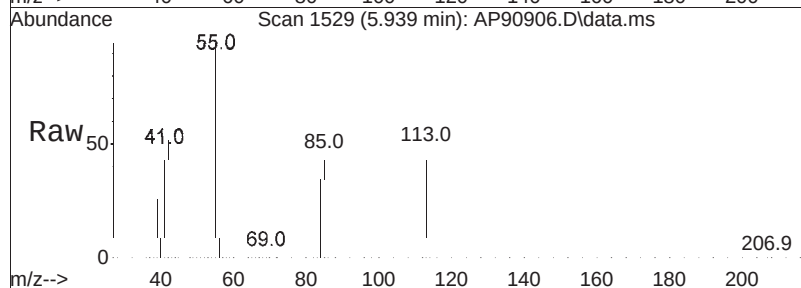
Tgt Ion	Ratio	Resp	Lower	Upper
111	100	24953		
157	79.2	0.0	0.0#	
75	112.6	28.2	42.2#	

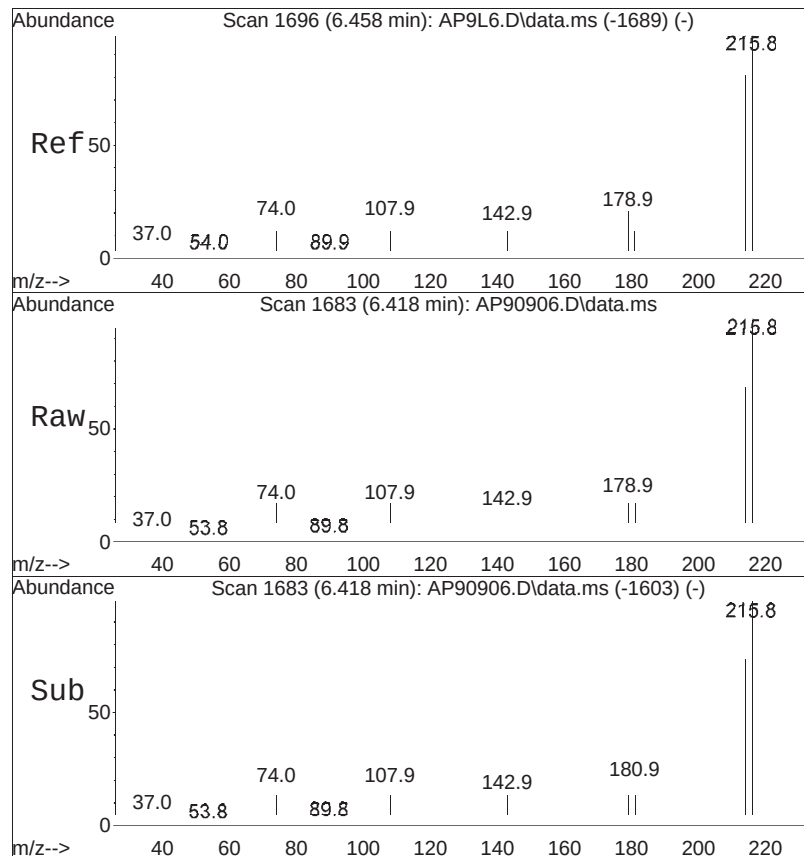




#60
 Caprolactam
 Concen: 5.32 ug/ml
 RT: 5.939 min Scan# 1529
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

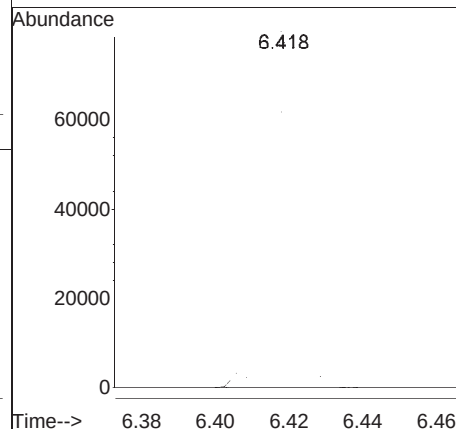
Tgt Ion:	55	Resp:	27006
Ion Ratio	Lower	Upper	
55	100		
85	44.4	19.8	29.6#
113	47.7	29.6	44.4#

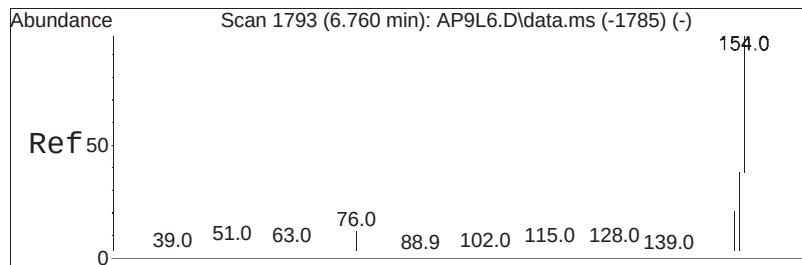




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.55 ug/ml
 RT: 6.418 min Scan# 1683
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

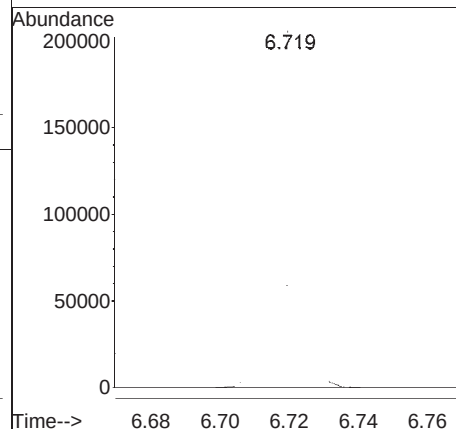
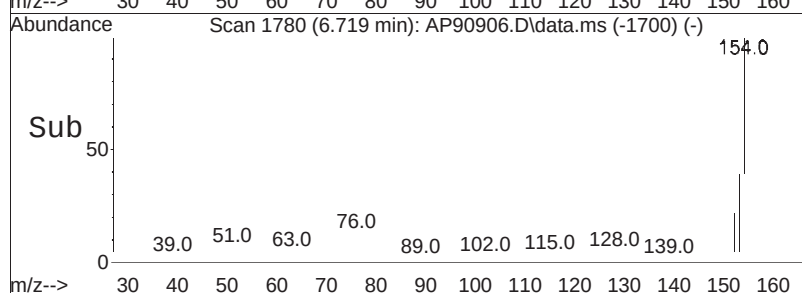
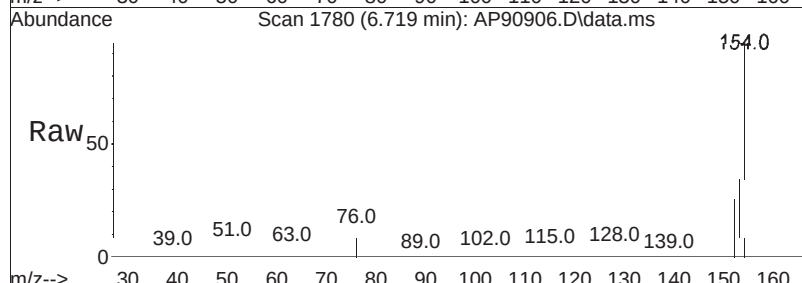
Tgt Ion:	216	Resp:	60858
Ion Ratio	Lower	Upper	
216	100		
214	79.7	63.7	95.5
179	20.4	19.0	28.6

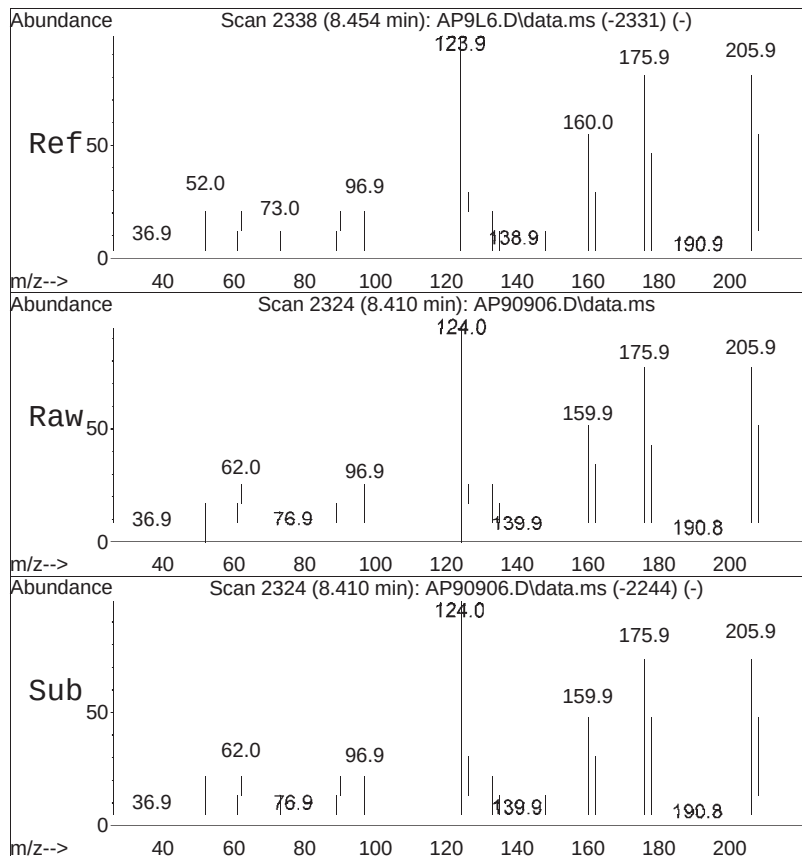




#62
 Biphenyl
 Concen: 4.65 ug/ml
 RT: 6.719 min Scan# 1780
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

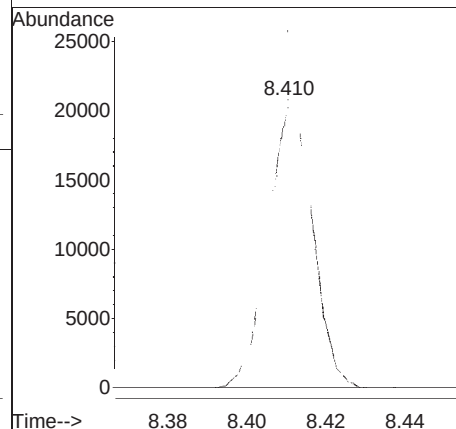
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	32.3	48.5
152	28.7	22.5	33.7

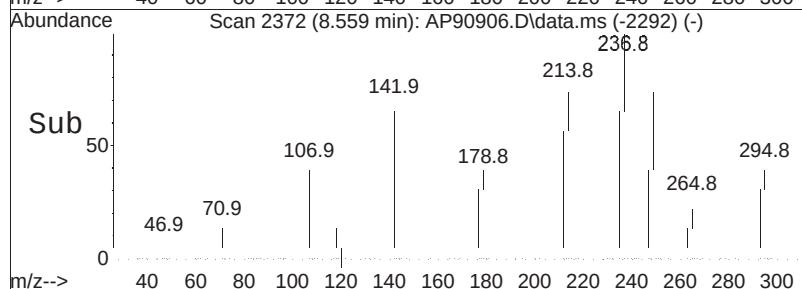
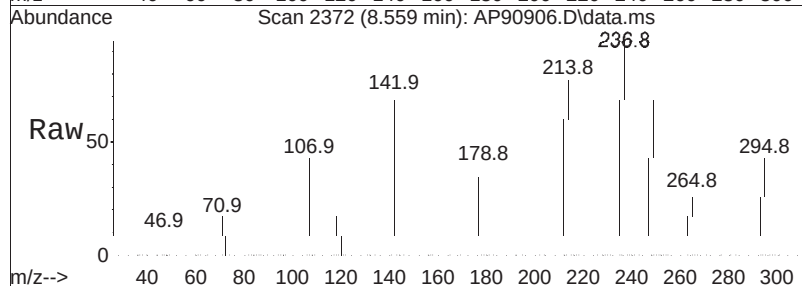
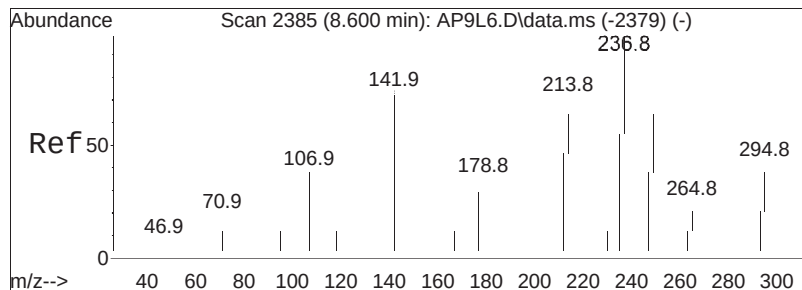




#84
 Dichloran
 Concen: 4.82 ug/ml
 RT: 8.410 min Scan# 2324
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

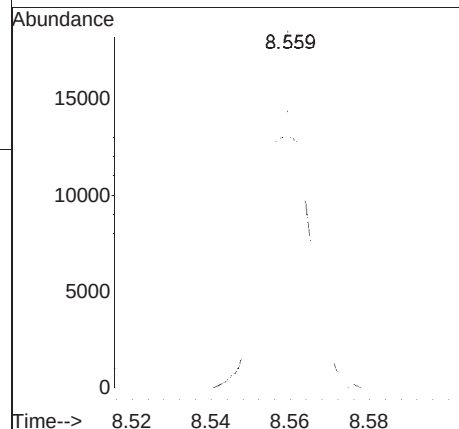
Tgt Ion	Ratio	Lower	Upper
206	100		
176	99.0	104.6	157.0#
124	122.3	130.5	195.7#

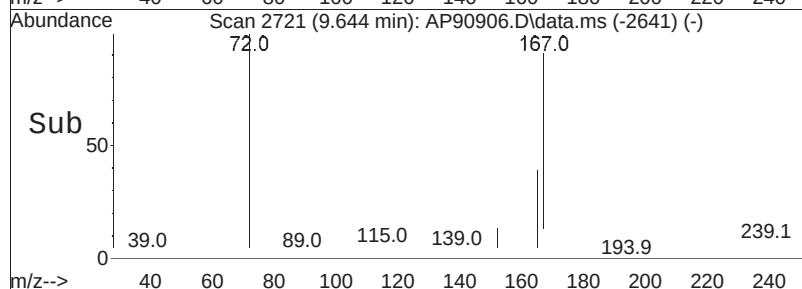
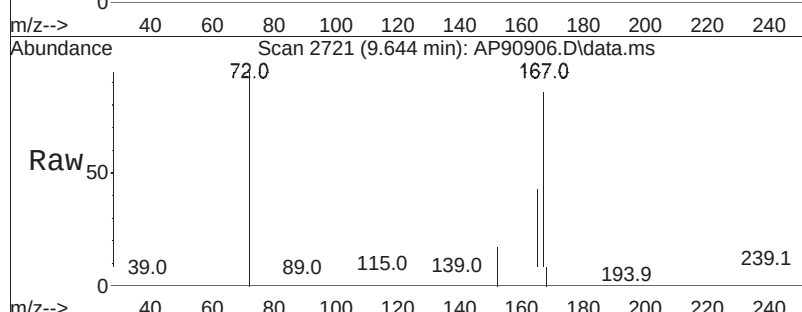
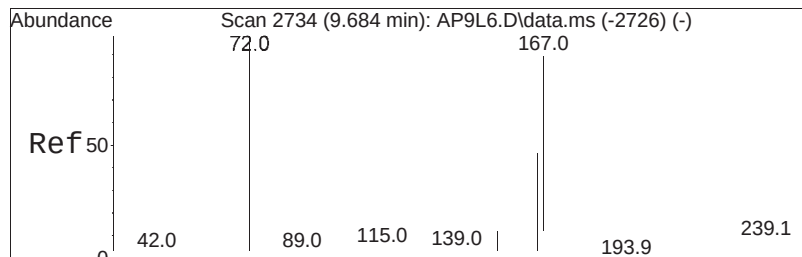




#85
 Pentachloronitrobenzene
 Concen: 4.73 ug/ml
 RT: 8.559 min Scan# 2372
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

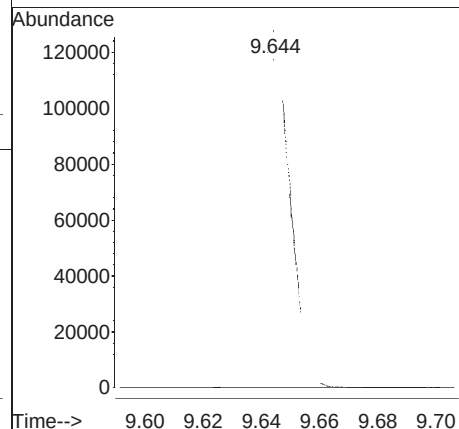
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	15117		
142	75.1		77.0	115.4#
214	73.5		58.2	87.4





#99
 Diphenamid
 Concen: 4.85 ug/ml
 RT: 9.644 min Scan# 2721
 Delta R.T. 0.000 min
 Lab File: AP90906.D
 Acq: 6 Sep 2025 7:44 am

Tgt Ion	Ratio	Lower	Upper
167	100		
72	108.6	109.7	164.5#
165	49.6	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: AP90906.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 7:44 am	Instrument	: SV 106
Sample	: WG2111447-4,32,,AP9 11965	Quant Date	

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250906RVT\
 Data File : ADP0906.D
 Acq On : 6 Sep 2025 8:06 am
 Operator : SV106:jg
 Sample : WG2111447-5,32,,ADP 11661 gmr0814B
 Misc : WG2111447,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 06 08:55:37 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
33 t	1,4-Dioxane	0.477	0.442	7.3	114	0.00
34 T	n-Decane	1.449	1.364	5.9	112	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	115	0.00
87 T	Atrazine	0.372	0.364	2.2	111	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	112	0.00
101 T	n-Octadecane	0.480	0.468	2.5	107	0.00
102 T	Parathion	* 5.000	4.137	17.3	107	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	4.171	16.6	94	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : ADP0906.D
 Acq On : 6 Sep 2025 8:06 am
 Operator : SV106:jg
 Sample : WG2111447-5,32,,ADP 11661 gmr0814B
 Misc : WG2111447,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 06 08:55:37 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:17 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.261	152	36700	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	7.263	164	79942	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	8.708	188	156914	4.000	ug/ml #	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.314	88	20256	4.631	ug/ml#	81
34) n-Decane	4.164	57	62562	4.705	ug/ml#	41
87) Atrazine	8.503	200	36403	4.897	ug/ml	94
101) n-Octadecane	8.724	57	91775	4.876	ug/ml#	1
102) Parathion	9.526	109	20078	4.137	ug/ml	95
103) 3,3'-Dimethylbenzidine	10.800	212	105539	4.171	ug/ml	99

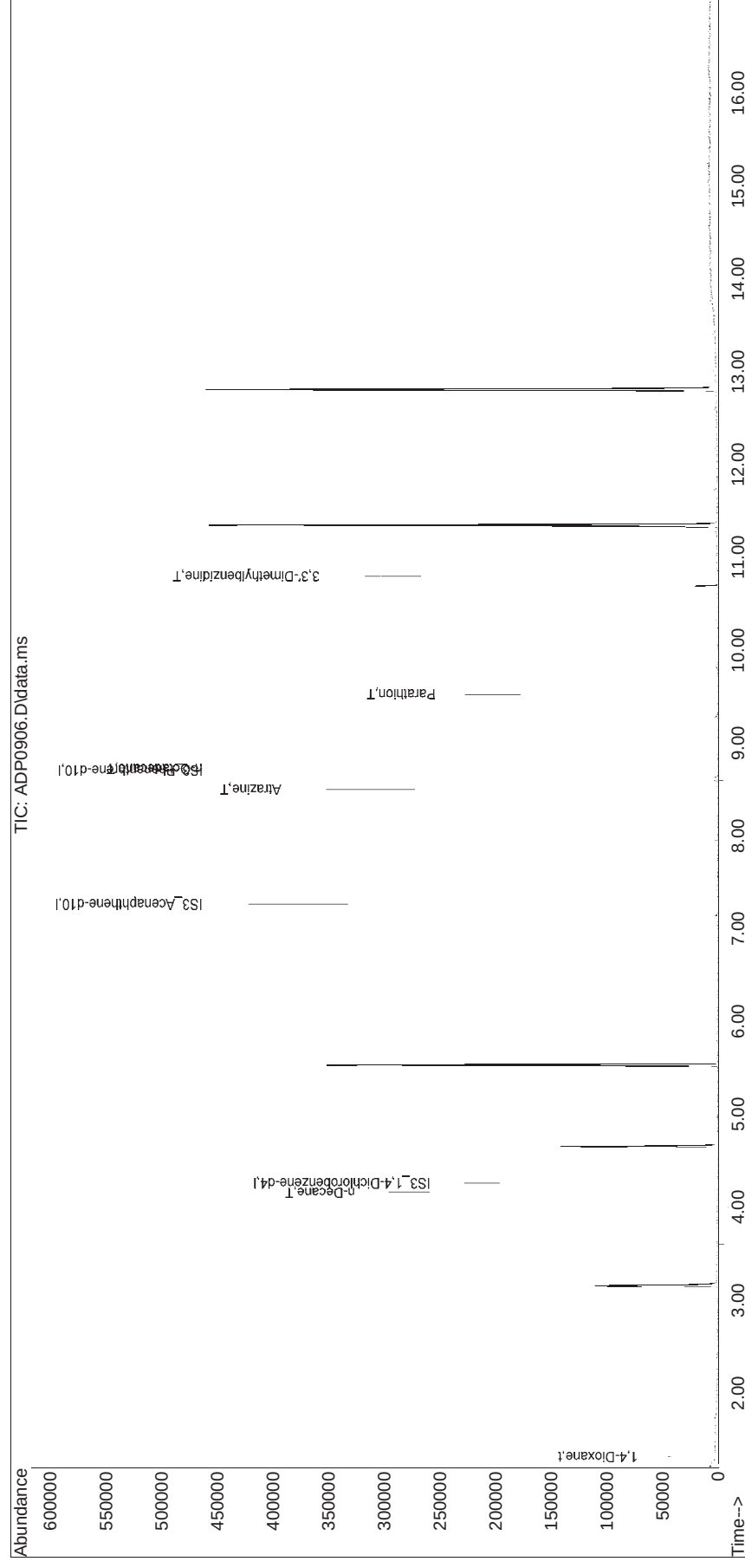
(#) = qualifier out of range (m) = manual integration (+) = signals summed

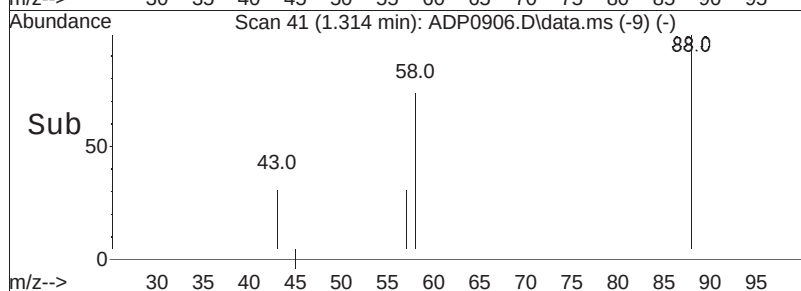
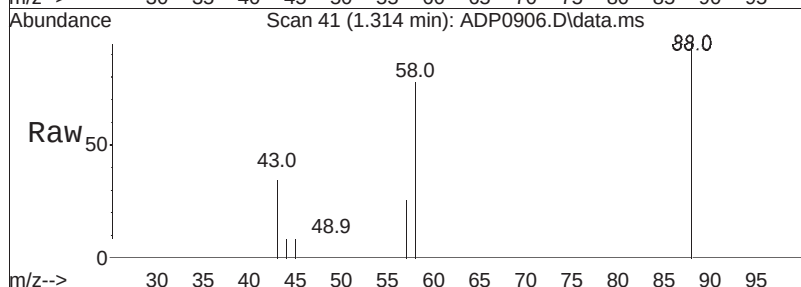
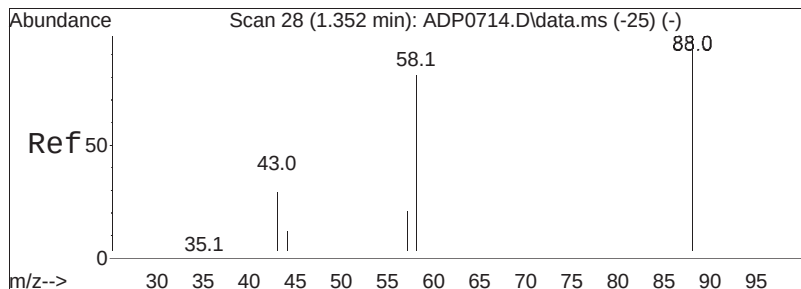
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : ADP0906.D
 Acq On : 6 Sep 2025 8:06 am
 Operator : SV106:jg
 Sample : WG2111447-5,32,,ADP 11661 gmr0814B
 Misc : WG2111447,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 06 08:55:37 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:17 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist





#33

1,4-Dioxane

Concen: 4.63 ug/ml

RT: 1.314 min Scan# 41

Delta R.T. 0.000 min

Lab File: ADP0906.D

Acq: 6 Sep 2025 8:06 am

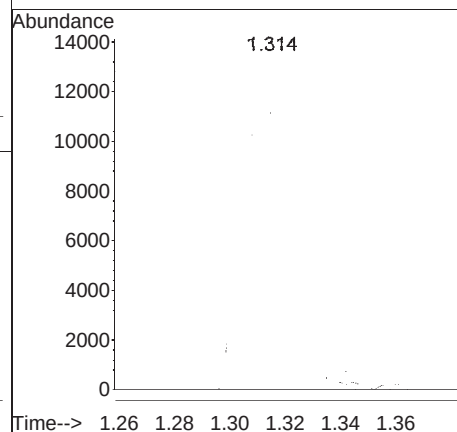
Tgt Ion: 88 Resp: 20256

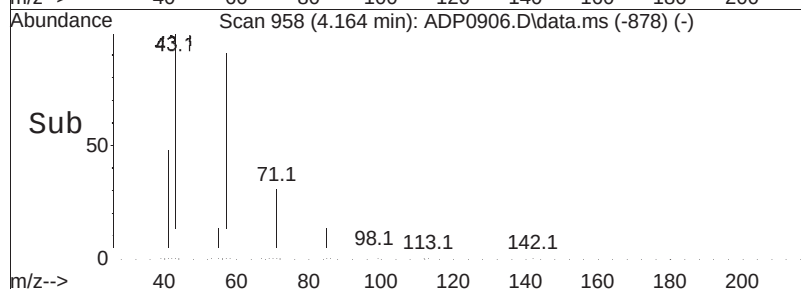
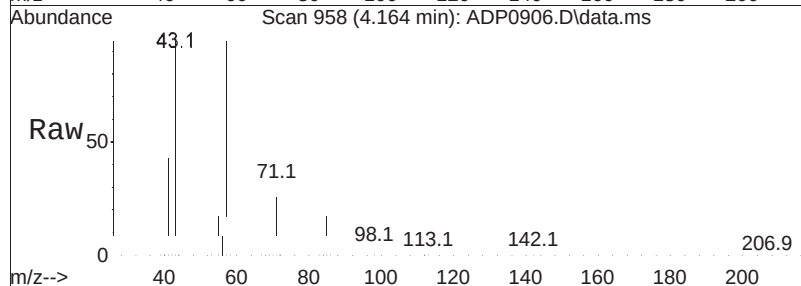
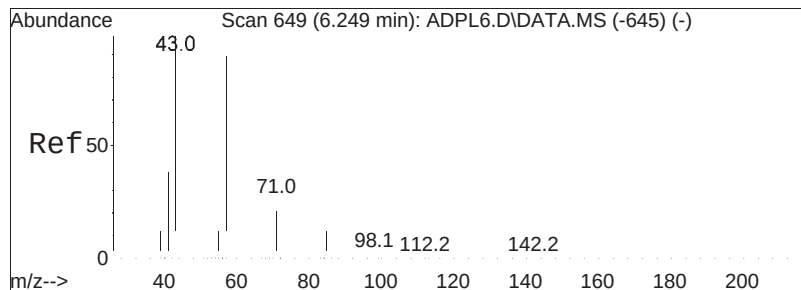
Ion Ratio Lower Upper

88 100

58 73.4 44.8 67.2#

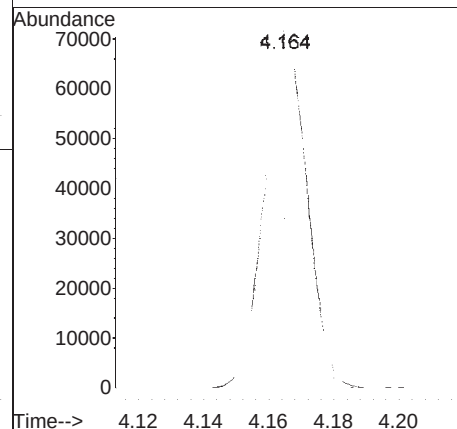
43 32.3 22.4 33.6

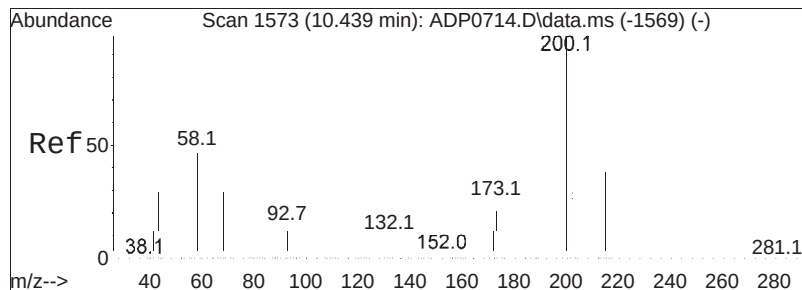




#34
n-Decane
Concen: 4.70 ug/ml
RT: 4.164 min Scan# 958
Delta R.T. 0.000 min
Lab File: ADP0906.D
Acq: 6 Sep 2025 8:06 am

Tgt Ion	Ratio	Resp: Lower	Upper
57	100		
43	101.9	0.2	0.2#
41	50.2	0.2	0.2#





#87

Atrazine

Concen: 4.90 ug/ml

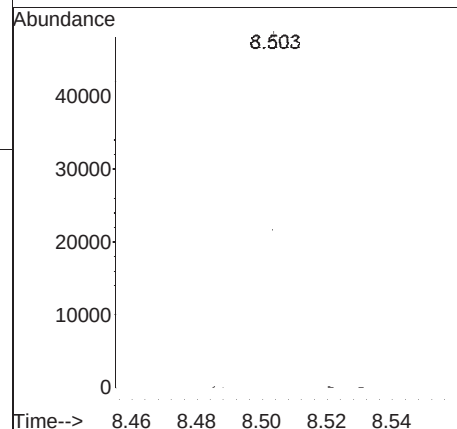
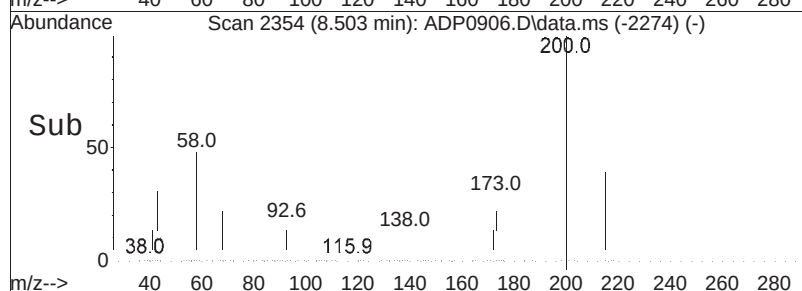
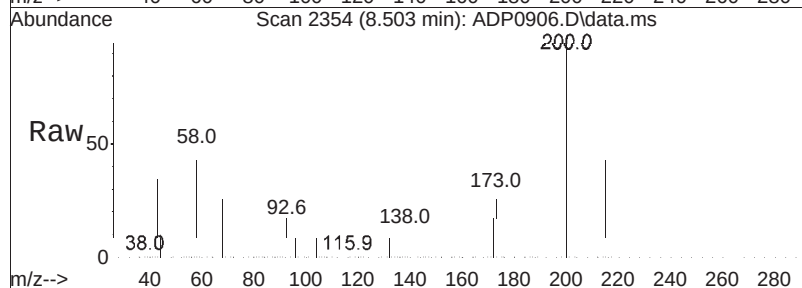
RT: 8.503 min Scan# 2354

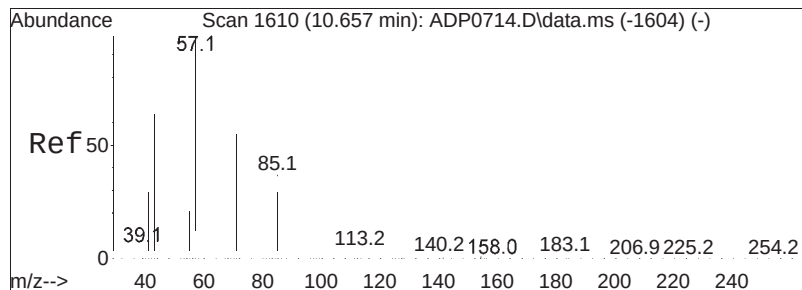
Delta R.T. 0.000 min

Lab File: ADP0906.D

Acq: 6 Sep 2025 8:06 am

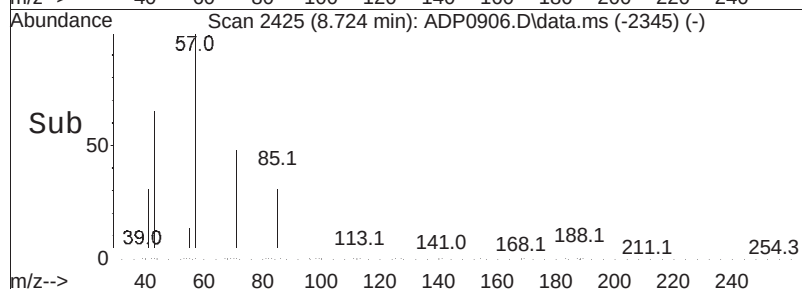
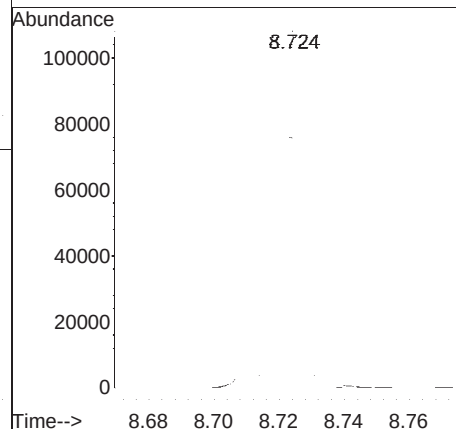
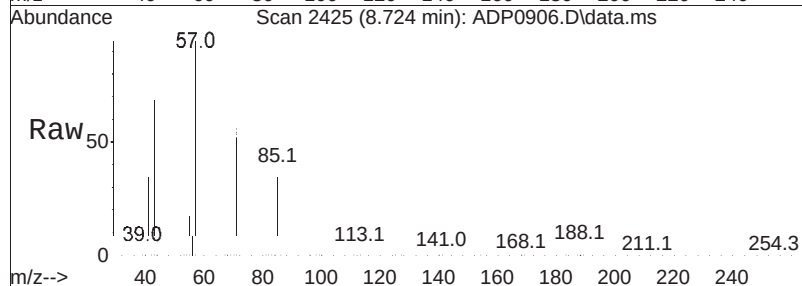
Tgt Ion:	200	Resp:	36403
Ion Ratio	Lower	Upper	
200	100		
202	31.8	25.8	38.6
215	44.3	40.2	60.4

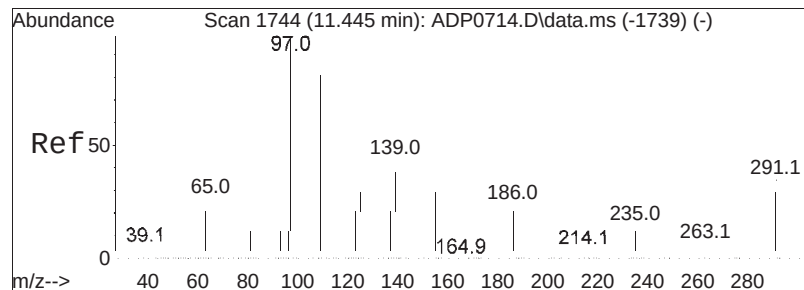




#101
n-Octadecane
Concen: 4.88 ug/ml
RT: 8.724 min Scan# 2425
Delta R.T. 0.000 min
Lab File: ADP0906.D
Acq: 6 Sep 2025 8:06 am

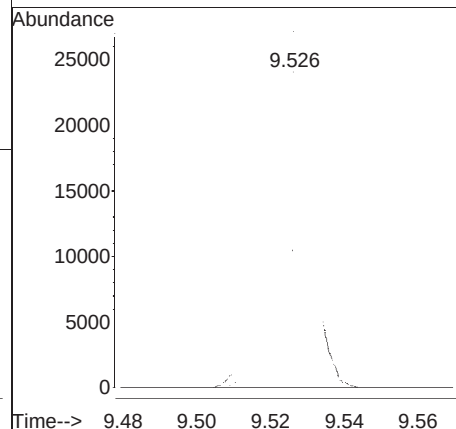
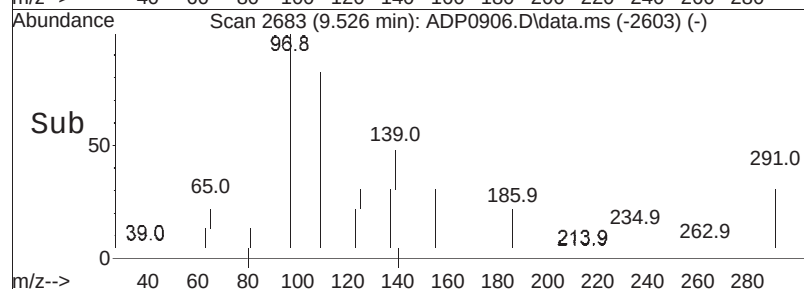
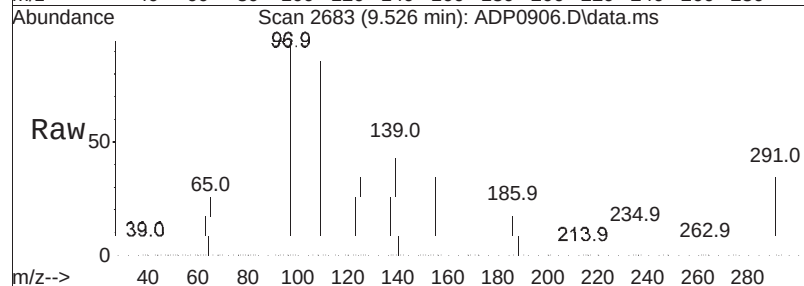
Tgt Ion	Ratio	Resp Lower	Resp Upper
57	100		
43	73.2	9.0	13.6#
70	9.8	0.2	0.2#

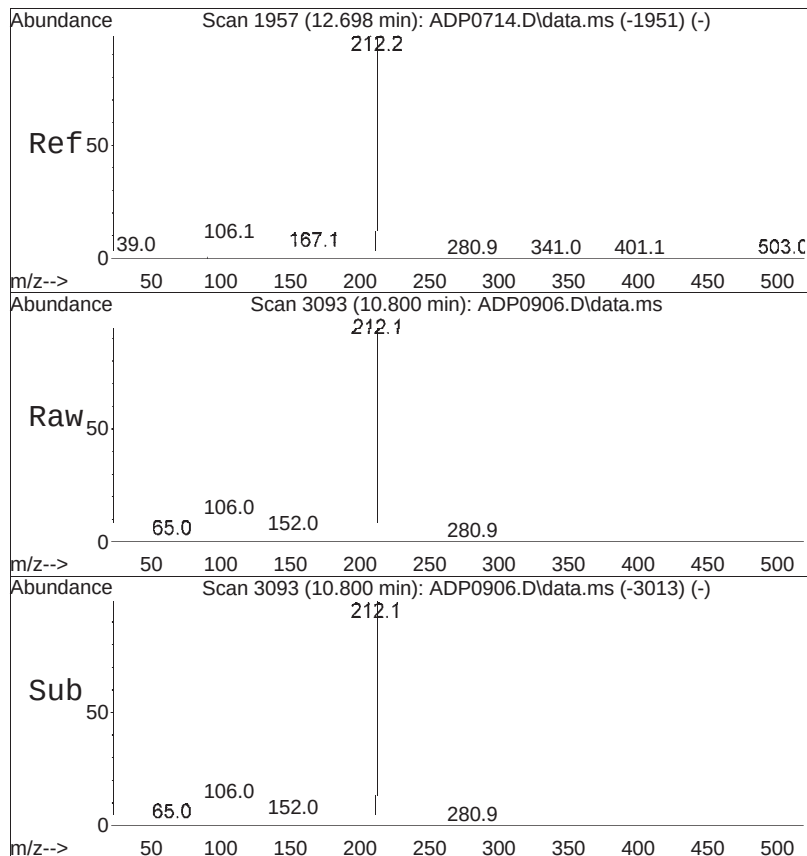




#102
 Parathion
 Concen: 4.14 ug/ml
 RT: 9.526 min Scan# 2683
 Delta R.T. 0.000 min
 Lab File: ADP0906.D
 Acq: 6 Sep 2025 8:06 am

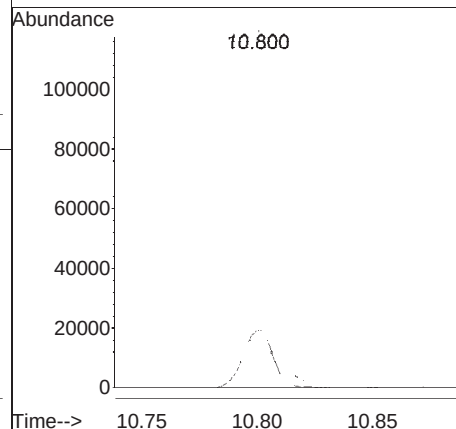
Tgt Ion:	109	Resp:	20078
Ion Ratio	Lower	Upper	
109	100		
97	114.4	87.4	131.2
291	39.7	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 4.17 ug/ml
 RT: 10.800 min Scan# 3093
 Delta R.T. 0.000 min
 Lab File: ADP0906.D
 Acq: 6 Sep 2025 8:06 am

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	105539		
211	16.6		12.9	19.3
213	16.4		13.2	19.8



Manual Integration Report

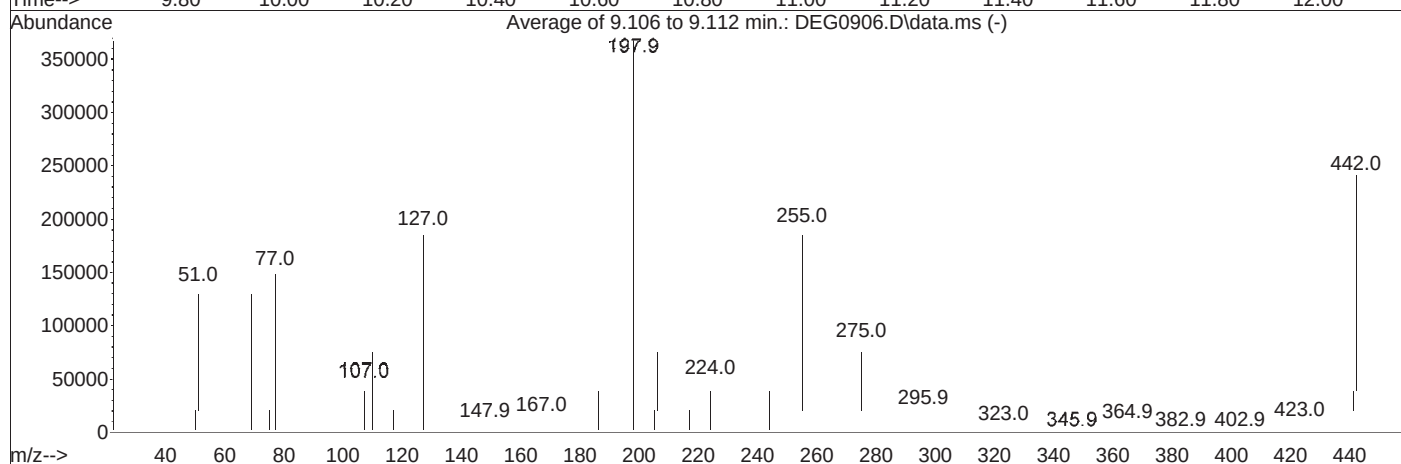
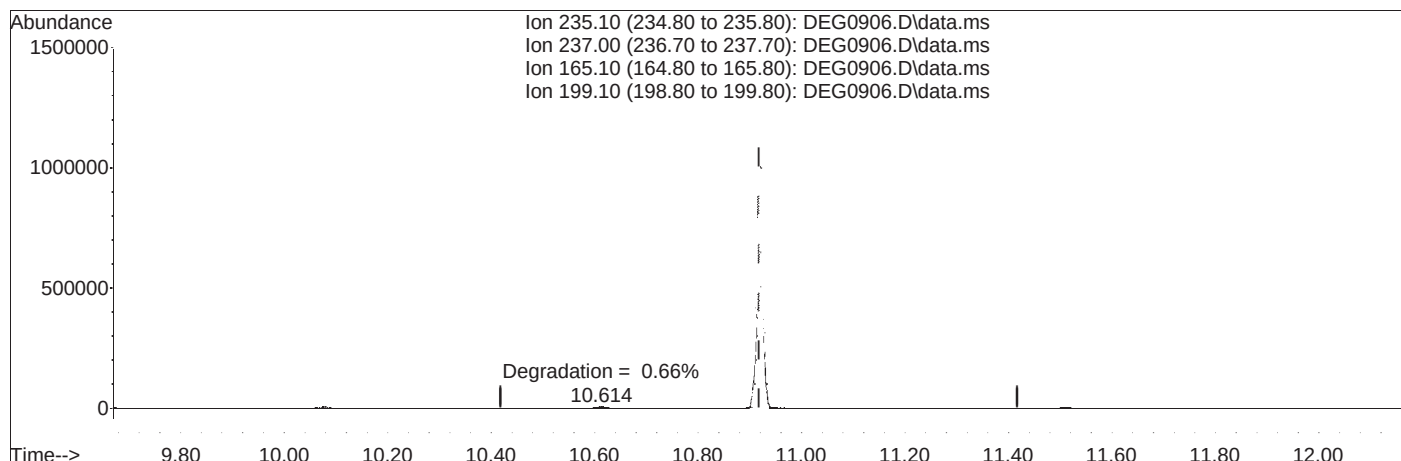
Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: ADP0906.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 8:06 am	Instrument	: SV 106
Sample	: WG2111447-5,32,,ADP 11661	Quant Date	

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250906RVT\
 Data File : DEG0906.D
 Acq On : 6 Sep 2025 7:01 am
 Operator : SV106:jg
 Sample : WG2111447-2,32,,SV106 Degdftpp Lot # 11857
 Misc : WG2111447,,ical22591
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 06 07:53:13 2025
 Quant Method : I:\8270\SV106\250906RVT\DftppSV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 05 22:36:19 2025
 Response via : Initial Calibration



CHROMtools [WG2111447-6,32,,SV106 Degdftpp Lot # 11857]

(6) DDT (T)

10.921min (+ 0.003) 151.56

response 923900

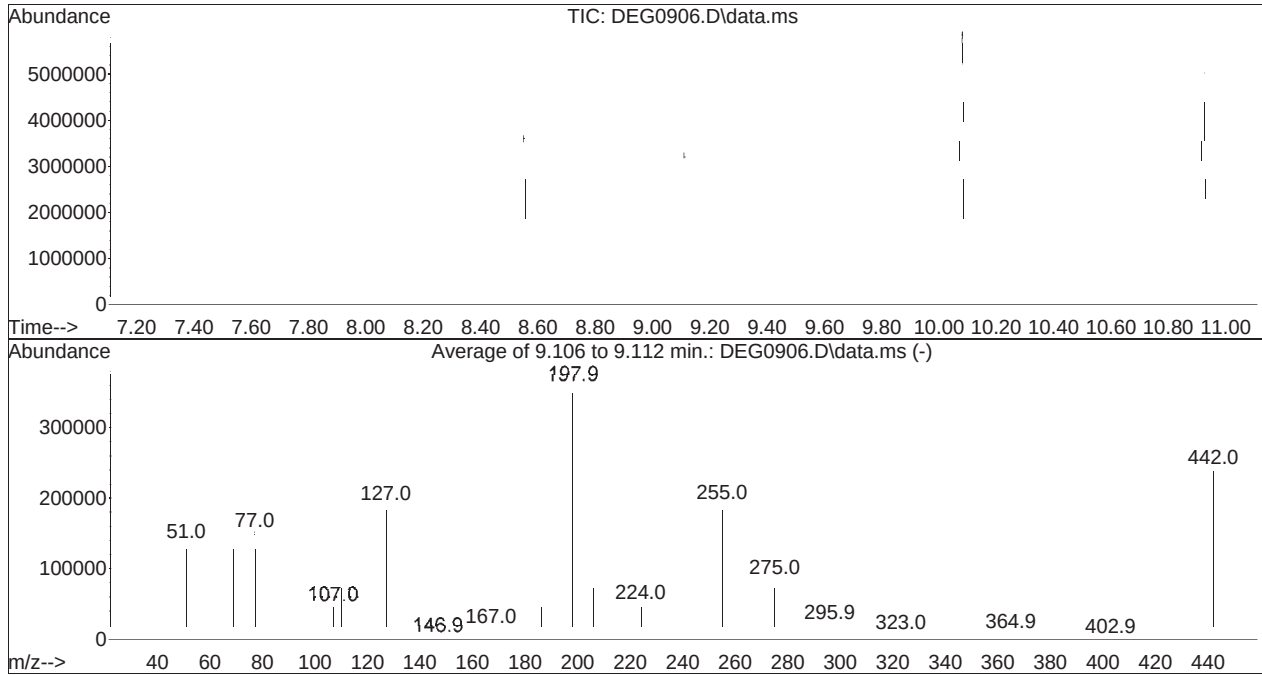
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.43
165.10	44.50	50.34
199.10	14.80	14.06

DFTPP

Data Path : I:\8270\SV106\250906RVT\
 Data File : DEG0906.D
 Acq On : 6 Sep 2025 7:01 am
 Operator : SV106:gm
 Sample : WG2111447-1,32,,SV106 Degdftpp Lot # 11857
 Misc : WG2111447,,ical22591
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Sat Sep 06 08:56:15 2025



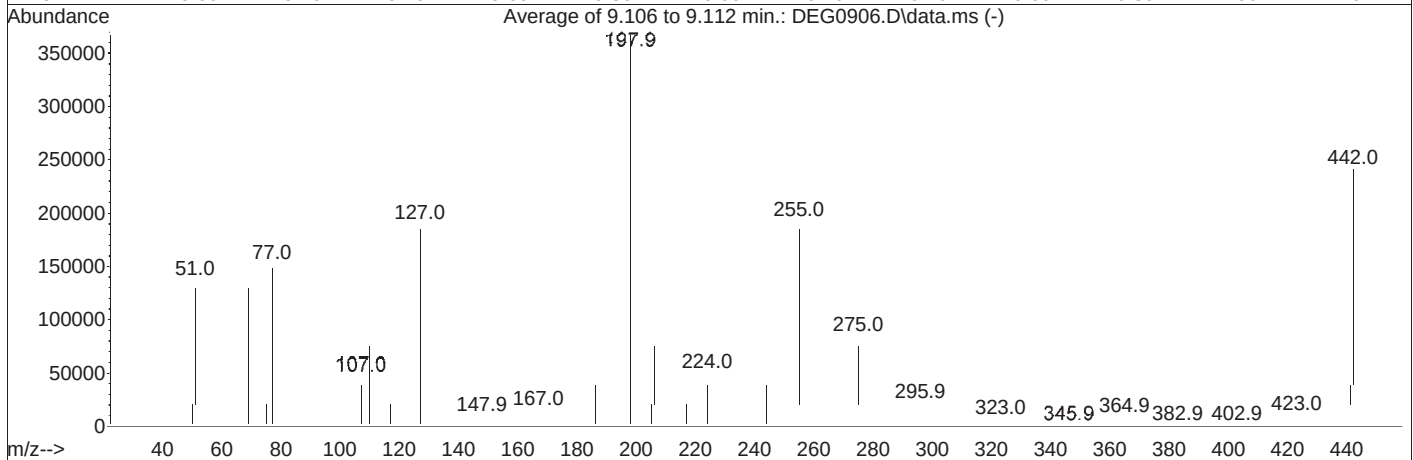
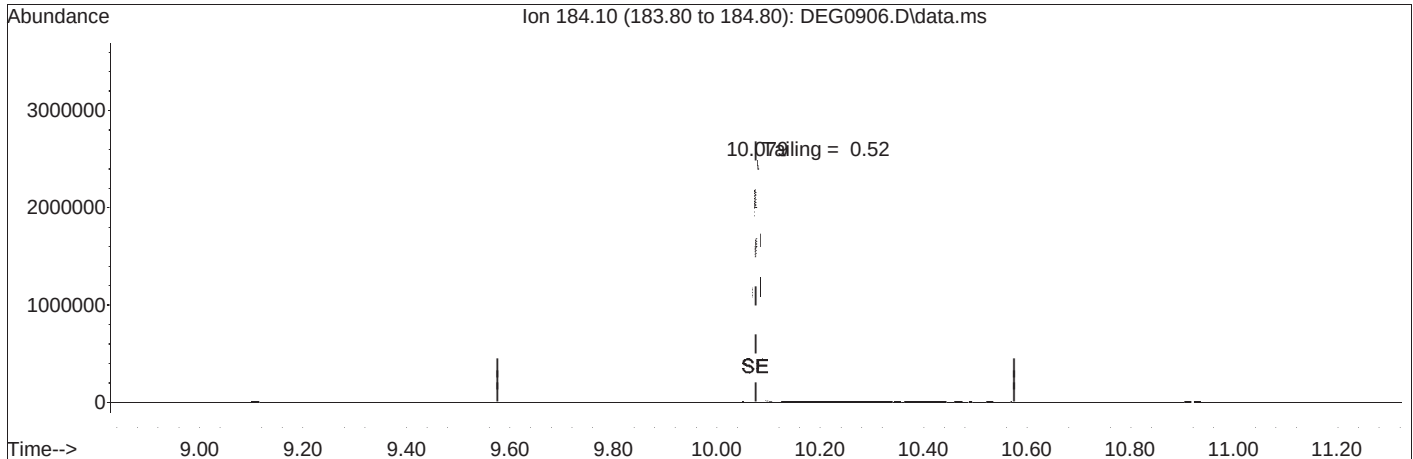
Spectrum Information: Average of 9.106 to 9.112 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.8	137424	PASS
68	69	0.00	2	1.7	2499	PASS
69	69	100	100	100.0	145701	PASS
70	69	0.00	2	0.5	682	PASS
127	198	10	80	50.8	189632	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	373525	PASS
199	198	5	9	6.7	24987	PASS
275	198	10	60	22.8	85117	PASS
365	198	1	100	2.4	9125	PASS
441	442	0.01	24	16.7	40336	PASS
442	198	50	100	64.7	241685	PASS
443	442	15	24	19.6	47421	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250906RVT\
 Data File : DEG0906.D
 Acq On : 6 Sep 2025 7:01 am
 Operator : SV106:jg
 Sample : WG2111447-6,32,,SV106 Degdftpp Lot # 11857
 Misc : WG2111447,,ical22591
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 06 07:53:13 2025
 Quant Method : I:\8270\SV106\250906RVT\DftppSV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 05 22:36:19 2025
 Response via : Initial Calibration



CHROMtools [WG2111447-7,32,,SV106 Degdftpp Lot # 11857]

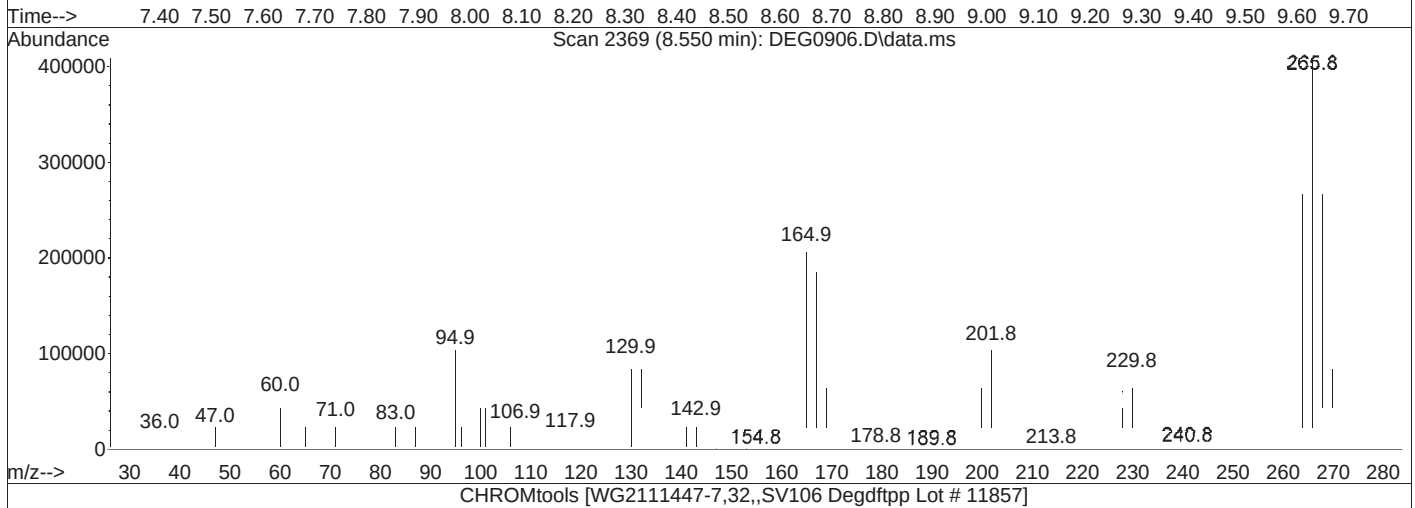
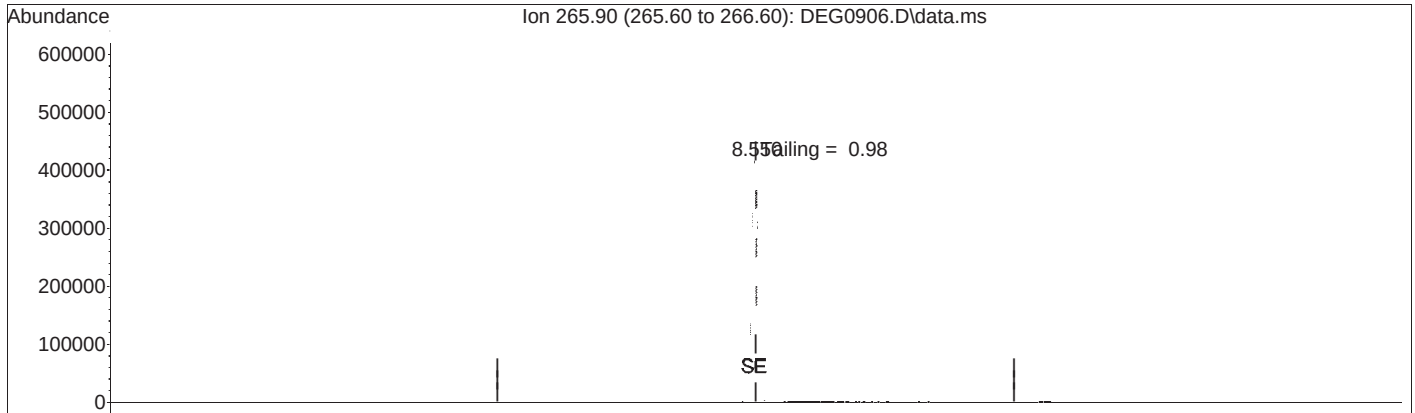
(3) Benzidine (T)
 10.079min (+ 0.003) 216.11
 response 2200055

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250906RVT\
 Data File : DEG0906.D
 Acq On : 6 Sep 2025 7:01 am
 Operator : SV106:jg
 Sample : WG2111447-7,32,,SV106 Degdftpp Lot # 11857
 Misc : WG2111447,,ical22591
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 06 07:53:13 2025
 Quant Method : I:\8270\SV106\250906RVT\DftppSV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 05 22:36:19 2025
 Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.550min (-0.003) 167.07

response 350913

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-1.D
 Acq On : 6 Sep 2025 11:00 am
 Operator : SV106:jg
 Sample : WG2111386-1,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 18:08:36 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.261	152	37669	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	108.05%		
27) IS2_1,4-Dichlorobenzen...	4.261	152	37669	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	103.95%		
32) IS3_1,4-Dichlorobenzen...	4.261	152	37669	4.000	ug/ml	0.00
Standard Area 2 = 36700			Recovery =	102.64%		
35) IS1_Naphthalene-d8	5.532	136	150059	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	107.23%		
55) IS2_Naphthalene-d8	5.532	136	150059	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	104.68%		
63) IS1_Acenaphthene-d10	7.263	164	86805	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	108.55%		
83) IS2_Acenaphthene-d10	7.263	164	86805	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	104.94%		
86) IS3_Acenaphthene-d10	7.263	164	86805	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	108.58%		
88) IS1_Phenanthrene-d10	8.712	188	166419	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	110.56%		
100) IS3_Phenanthrene-d10	8.712	188	166419	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	106.06%		
104) IS1_Chrysene-d12	11.347	240	160096	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	106.38%		
113) IS1_Perylene-d12	12.808	264	186381	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	112.69%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.931	112	10567	1.015	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	50.75%		
7) Phenol-d6	3.956	99	9281	0.748	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	37.40%		
19) Nitrobenzene-d5	4.827	82	7847	0.679	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	67.90%		
46) 2-Fluorobiphenyl	6.632	172	19663	0.639	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	63.90%		
79) 2,4,6-Tribromophenol	8.037	330	4873	1.158	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	57.90%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-1.D
 Acq On : 6 Sep 2025 11:00 am
 Operator : SV106:jg
 Sample : WG2111386-1,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 18:08:36 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.319	244	28404	0.695	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	69.50%
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0		N.D.	
8) Phenol	0.000		0		N.D.	
14) Bis(2-chloroisopropyl)...	0.000		0		N.D.	
15) 2-Methylphenol	0.000		0		N.D.	
17) n-Nitrosodi-n-propylamine	0.000		0		N.D.	d
18) 3-Methylphenol/4-Methy...	0.000		0		N.D.	
20) Nitrobenzene	0.000		0		N.D.	
21) Isophorone	0.000		0		N.D.	
22) 2-Nitrophenol	0.000		0		N.D.	
23) 2,4-Dimethylphenol	0.000		0		N.D.	
24) Bis(2-chloroethoxy)met...	0.000		0		N.D.	
25) 2,4-Dichlorophenol	0.000		0		N.D.	
28) Benzaldehyde	0.000		0		N.D.	
29) Acetophenone	0.000		0		N.D.	
38) 4-Chloroaniline	0.000		0		N.D.	
40) p-Chloro-m-cresol	0.000		0		N.D.	
43) Hexachlorocyclopentadiene	0.000		0		N.D.	
44) 2,4,6-Trichlorophenol	0.000		0		N.D.	
45) 2,4,5-Trichlorophenol	0.000		0		N.D.	
48) 2-Nitroaniline	0.000		0		N.D.	
51) Dimethyl phthalate	0.000		0		N.D.	d
53) 2,6-Dinitrotoluene	0.000		0		N.D.	d
60) Caprolactam	0.000		0		N.D.	
61) 1,2,4,5-Tetrachloroben...	0.000		0		N.D.	
62) Biphenyl	0.000		0		N.D.	
64) 3-Nitroaniline	0.000		0		N.D.	
66) 2,4-Dinitrophenol	0.000		0		N.D.	
67) Dibenzofuran	0.000		0		N.D.	
68) 2,4-Dinitrotoluene	0.000		0		N.D.	d
69) 4-Nitrophenol	0.000		0		N.D.	
72) Diethyl phthalate	0.000		0		N.D.	
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-1.D
 Acq On : 6 Sep 2025 11:00 am
 Operator : SV106:jg
 Sample : WG2111386-1,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 18:08:36 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
87)	Atrazine	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	0.000		0		N.D.	d
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109)	Di-n-octylphthalate	0.000		0		N.D.	

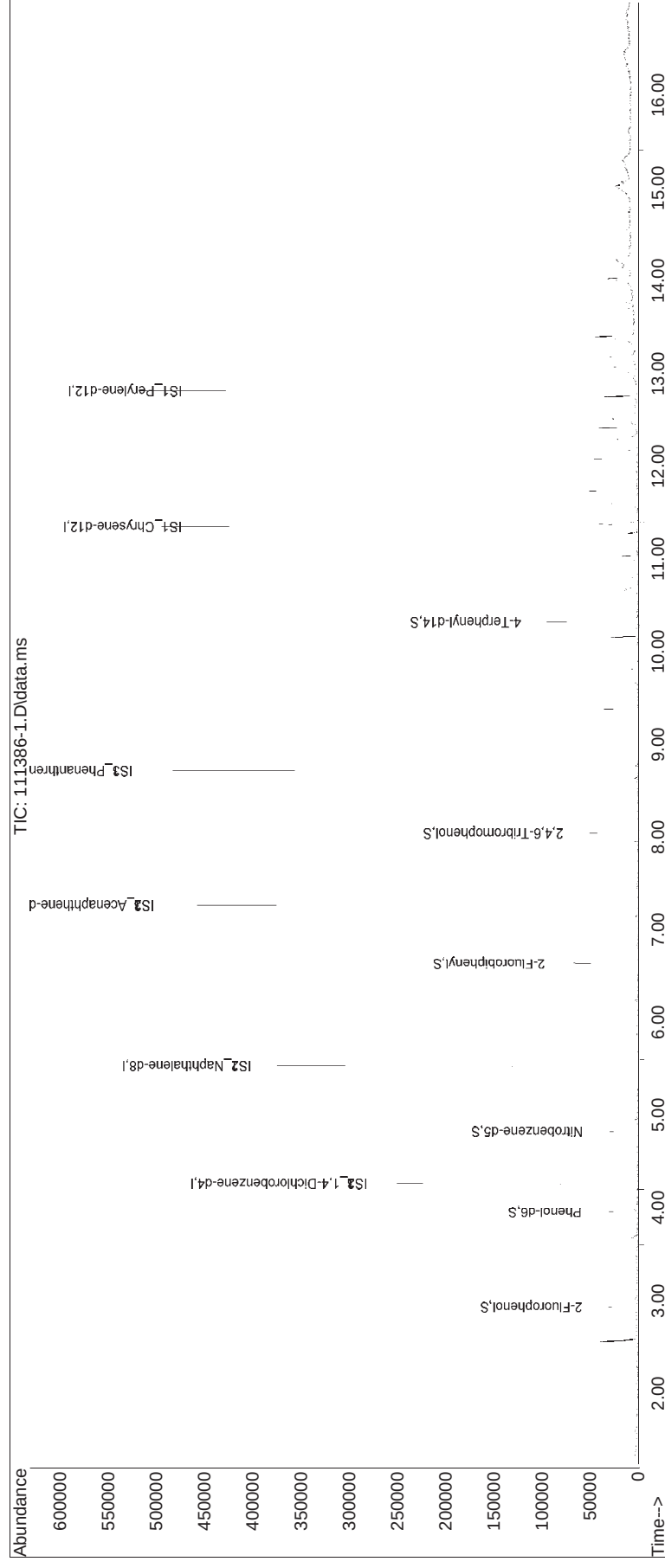
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-1.D
 Acq On : 6 Sep 2025 11:00 am
 Operator : SV106:jg
 Sample : WG2111386-1,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 18:08:36 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : 8270ITC\888888\SV106\250906RVT\AP90906.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250906RVT\	QMethod	: FS250827SV106.m
Data File	: 111386-1.D	Operator	: SV106:jg
Date Inj'd	: 9/6/2025 11:00 am	Instrument	: SV 106
Sample	: WG2111386-1, 32,, gmr	Quant Date	: 9/6/2025 11:18 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-2.D
 Acq On : 6 Sep 2025 11:22 am
 Operator : SV106:jg
 Sample : WG2111386-2,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 18:08:50 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.261	152	40211	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	115.34%		
27) IS2_1,4-Dichlorobenzen...	4.261	152	40211	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	110.96%		
32) IS3_1,4-Dichlorobenzen...	4.261	152	40211	4.000	ug/ml	0.00
Standard Area 2 = 36700			Recovery =	109.57%		
35) IS1_Naphthalene-d8	5.532	136	158659	4.000	ug/ml	0.00
Standard Area 1 = 139947			Recovery =	113.37%		
55) IS2_Naphthalene-d8	5.532	136	158659	4.000	ug/ml	0.00
Standard Area 3 = 143351			Recovery =	110.68%		
63) IS1_Acenaphthene-d10	7.263	164	92286	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	115.41%		
83) IS2_Acenaphthene-d10	7.263	164	92286	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	111.56%		
86) IS3_Acenaphthene-d10	7.263	164	92286	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	115.44%		
88) IS1_Phenanthrene-d10	8.711	188	176903	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	117.53%		
100) IS3_Phenanthrene-d10	8.711	188	176903	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	112.74%		
104) IS1_Chrysene-d12	11.347	240	171079	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	113.68%		
113) IS1_Perylene-d12	12.805	264	193553	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	117.03%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.934	112	12609	1.134	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	56.70%		
7) Phenol-d6	3.956	99	11868	0.896	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	44.80%		
19) Nitrobenzene-d5	4.826	82	9225	0.748	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	74.80%		
46) 2-Fluorobiphenyl	6.632	172	22386	0.688	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	68.80%		
79) 2,4,6-Tribromophenol	8.037	330	6584	1.471	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	73.55%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-2.D
 Acq On : 6 Sep 2025 11:22 am
 Operator : SV106:jg
 Sample : WG2111386-2,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 18:08:50 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.315	244	32814	0.755	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	75.50%
Target Compounds						Qvalue
6) 2-Chlorophenol	4.049	128	19424	1.451	ug/ml#	89
8) Phenol	3.969	94	13271	0.916	ug/ml	93
14) Bis(2-chloroisopropyl)...	4.593	45	27076	1.443	ug/ml#	60
15) 2-Methylphenol	4.578	108	15692	1.414	ug/ml	99
17) n-Nitrosodi-n-propylamine	4.714	70	12724	1.554	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.742	108	16598	1.368	ug/ml	95
20) Nitrobenzene	4.845	77	18139	1.432	ug/ml	96
21) Isophorone	5.097	82	33264	1.441	ug/ml	97
22) 2-Nitrophenol	5.168	139	9362	1.455	ug/ml#	85
23) 2,4-Dimethylphenol	5.265	107	16815	1.316	ug/ml	93
24) Bis(2-chloroethoxy)met...	5.349	93	23332	1.501	ug/ml#	96
25) 2,4-Dichlorophenol	5.417	162	18019	1.532	ug/ml	94
28) Benzaldehyde	3.810	105	15624	2.410	ug/ml	87
29) Acetophenone	4.686	105	28755	1.502	ug/ml#	78
38) 4-Chloroaniline	5.634	65	4158M3	0.896	ug/ml	
40) p-Chloro-m-cresol	6.154	107	17369	1.542	ug/ml	93
43) Hexachlorocyclopentadiene	6.424	237	9219	0.915	ug/ml	98
44) 2,4,6-Trichlorophenol	6.545	196	13230	1.564	ug/ml	96
45) 2,4,5-Trichlorophenol	6.576	196	14718	1.550	ug/ml	96
48) 2-Nitroaniline	6.837	138	13179	1.612	ug/ml#	78
51) Dimethyl phthalate	7.052	163	51102	1.504	ug/ml#	98
53) 2,6-Dinitrotoluene	7.092	165	9811	1.480	ug/ml#	78
60) Caprolactam	5.939	55	3524	0.627	ug/ml#	71
61) 1,2,4,5-Tetrachloroben...	6.421	216	18312	1.237	ug/ml	97
62) Biphenyl	6.719	154	50777	1.375	ug/ml	98
64) 3-Nitroaniline	7.244	138	10087	1.280	ug/ml#	90
66) 2,4-Dinitrophenol	7.347	184	4504	1.179	ug/ml#	87
67) Dibenzofuran	7.468	168	62699	1.474	ug/ml	95
68) 2,4-Dinitrotoluene	7.481	165	13485	1.520	ug/ml	97
69) 4-Nitrophenol	7.450	65	6270	1.141	ug/ml#	83
72) Diethyl phthalate	7.754	149	52262	1.494	ug/ml	99
74) 4-Chlorophenyl phenyl ...	7.832	204	22718	1.430	ug/ml	91
75) 4-Nitroaniline	7.835	138	12371	1.591	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-2.D
 Acq On : 6 Sep 2025 11:22 am
 Operator : SV106:jg
 Sample : WG2111386-2,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 18:08:50 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4,6-Dinitro-o-cresol	7.875	198	6596	1.337	ug/ml#	70
77)	NDPA/DPA	7.950	169	43237	1.550	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.304	248	14021	1.432	ug/ml#	85
87)	Atrazine	8.503	200	13876	1.617	ug/ml	91
91)	Carbazole	8.960	167	78254	1.636	ug/ml	98
92)	Di-n-butylphthalate	9.373	149	90895	1.623	ug/ml	98
97)	Butyl benzyl phthalate	10.850	149	40761	1.742	ug/ml	86
106)	3,3'-Dichlorobenzidine	11.350	252	28189	1.420	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.493	149	63350	1.750	ug/ml#	91
109)	Di-n-octylphthalate	12.168	149	107099	1.765	ug/ml#	74

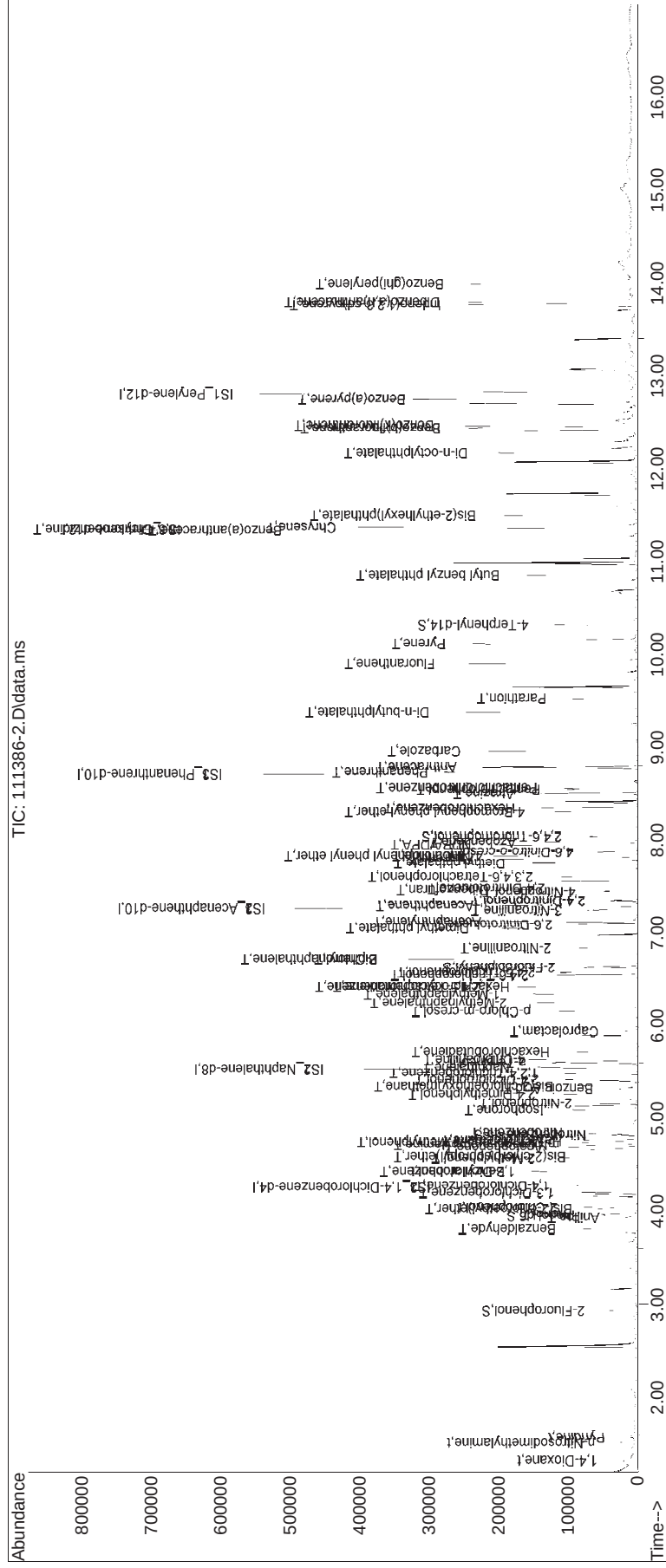
(#) = qualifier out of range (m) = manual integration (+) = signals summed

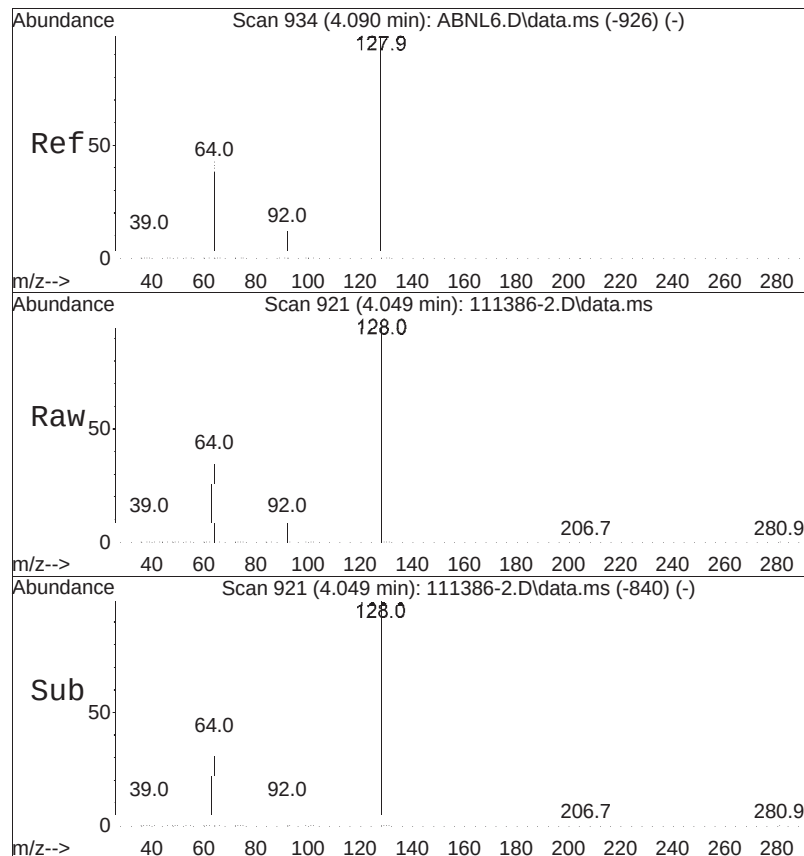
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
Data File : 111386-2.D
Acq On : 6 Sep 2025 11:22 am
Operator : SV106:jg
Sample : WG2111386-2,32,,gmr
Misc : WG2111447,WG2111386,ical22591
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 18:08:50 2025
Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Sat Sep 06 08:56:15 2025
Response via : Initial Calibration

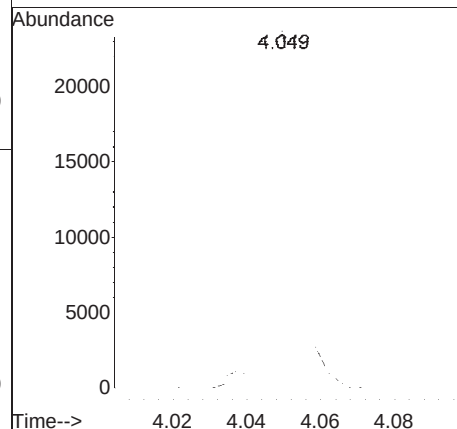
Sub List : 8270ITC\8270SV106\250906RVT\AP90906.D•

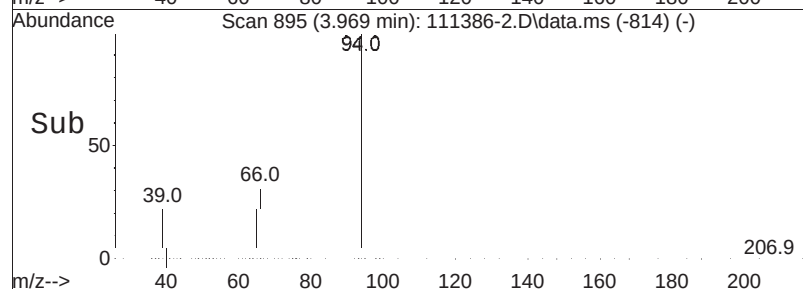
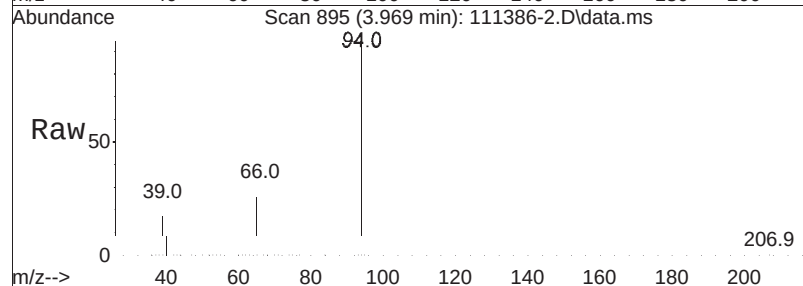
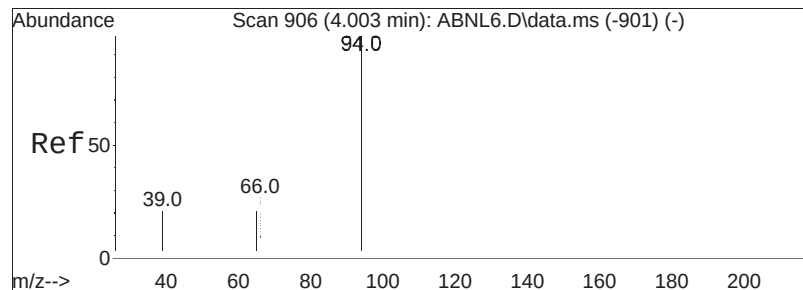




#6
 2-Chlorophenol
 Concen: 1.45 ug/ml
 RT: 4.049 min Scan# 921
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

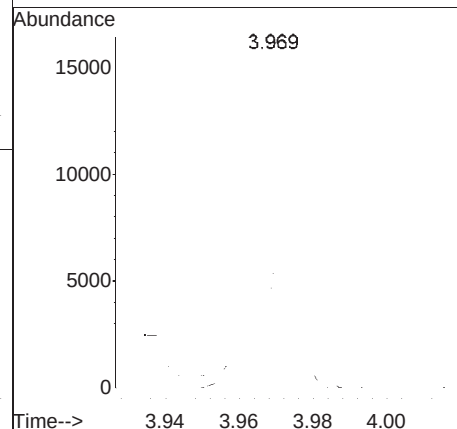
Tgt	Ion:128	Resp:	19424
Ion	Ratio	Lower	Upper
128	100		
64	44.0	45.1	67.7#
130	32.2	26.2	39.4

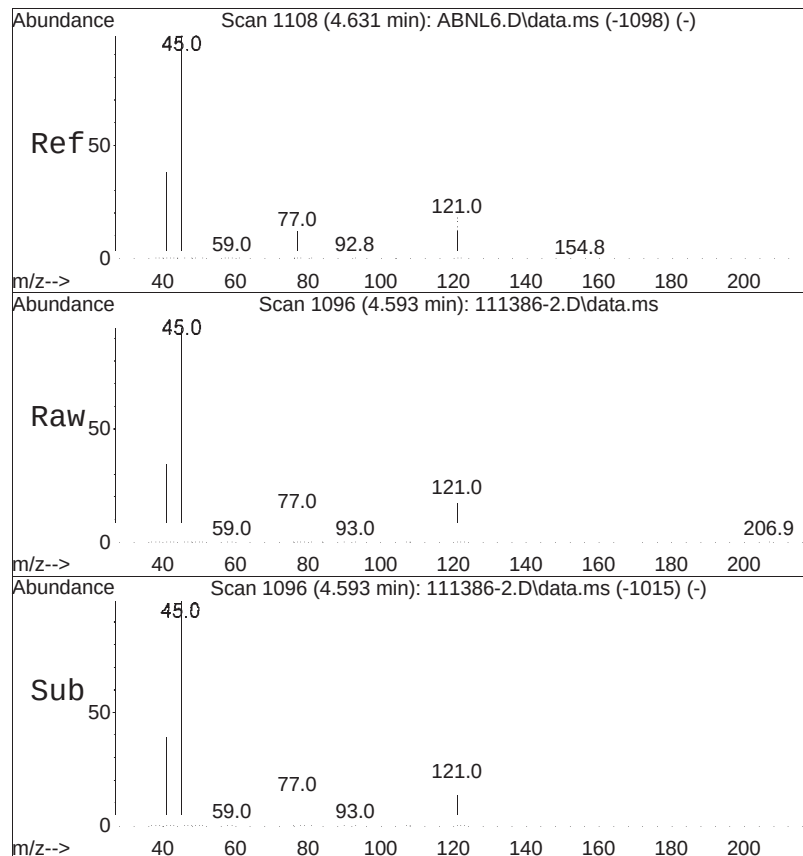




#8
 Phenol
 Concen: 0.92 ug/ml
 RT: 3.969 min Scan# 895
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

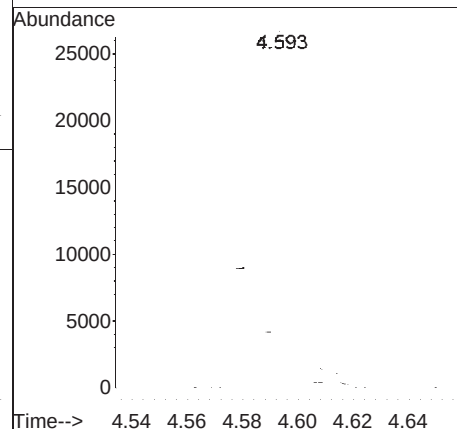
Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.7	26.0	39.0
66	37.8	33.8	50.8

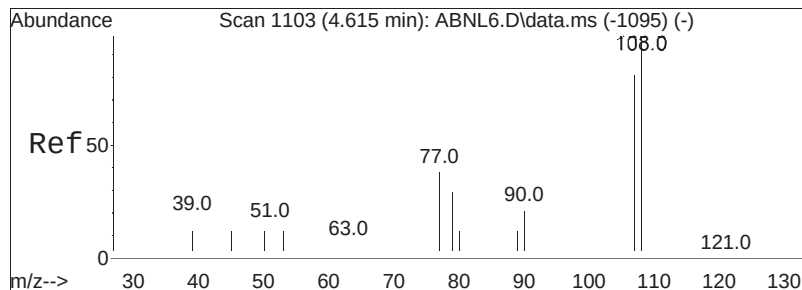




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.44 ug/ml
 RT: 4.593 min Scan# 1096
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

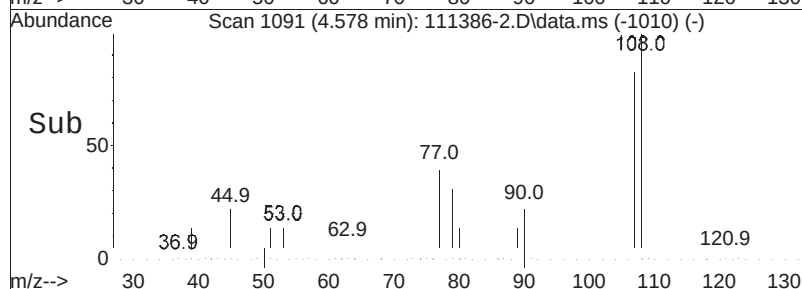
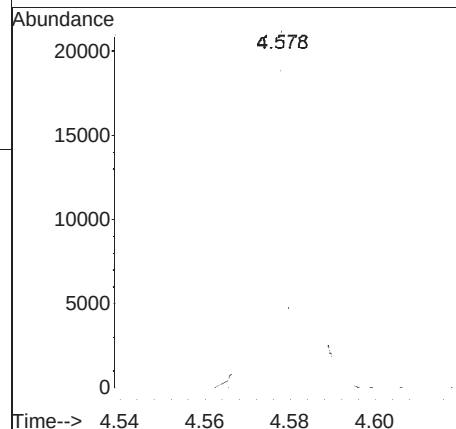
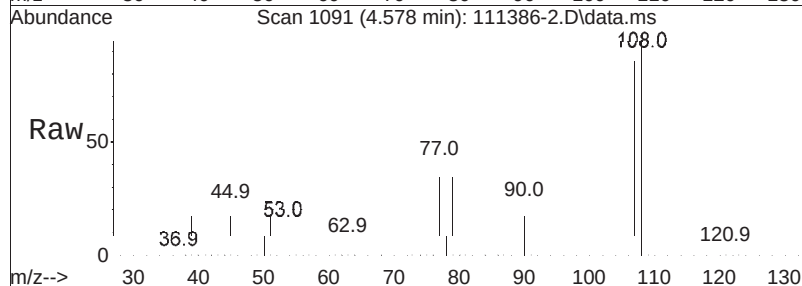
Tgt	Ion: 45	Resp:	27076
Ion	Ratio	Lower	Upper
45	100		
121	18.5	9.8	14.6#
77	35.1	6.1	9.1#

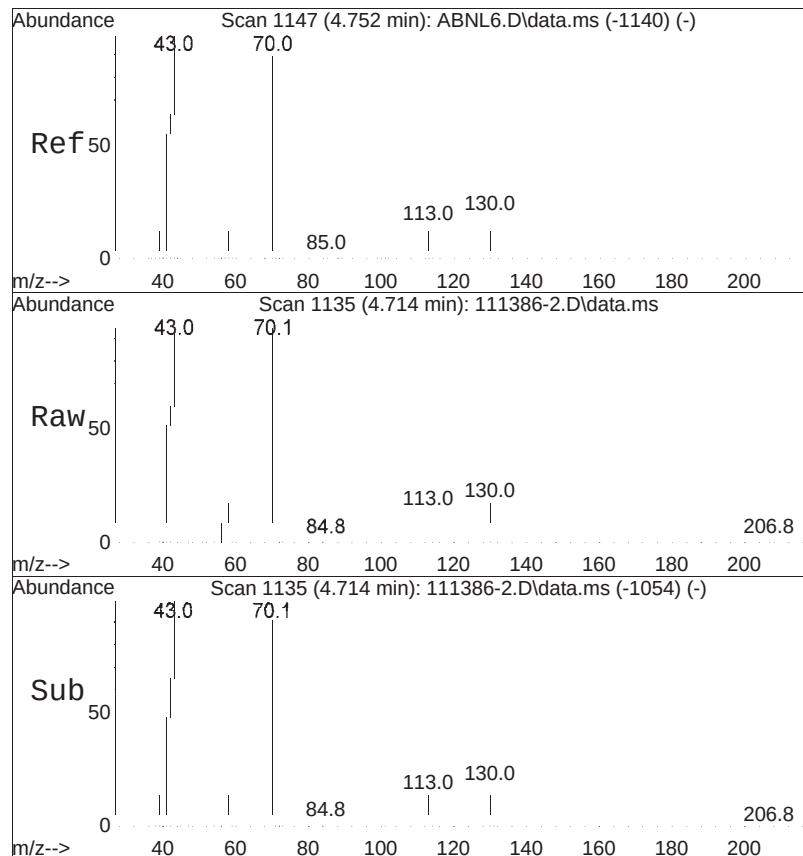




#15
 2-Methylphenol
 Concen: 1.41 ug/ml
 RT: 4.578 min Scan# 1091
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

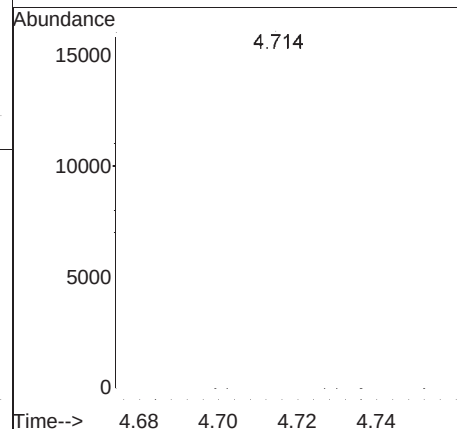
Tgt Ion	Ratio	Lower	Upper
108	100		
107	88.0	70.7	106.1
90	24.0	18.7	28.1

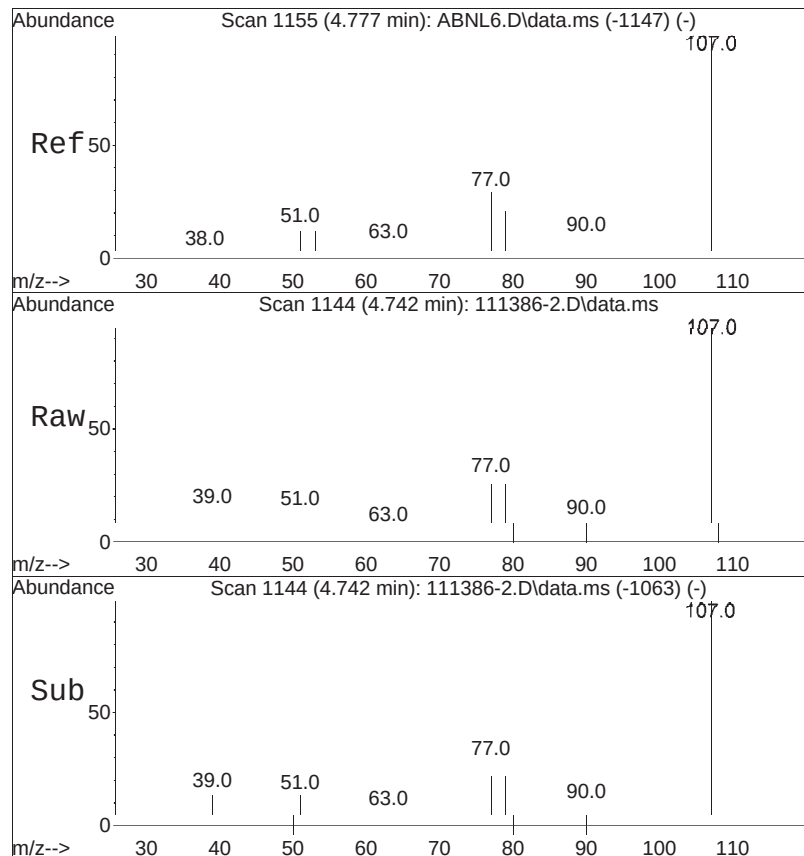




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.55 ug/ml
 RT: 4.714 min Scan# 1135
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

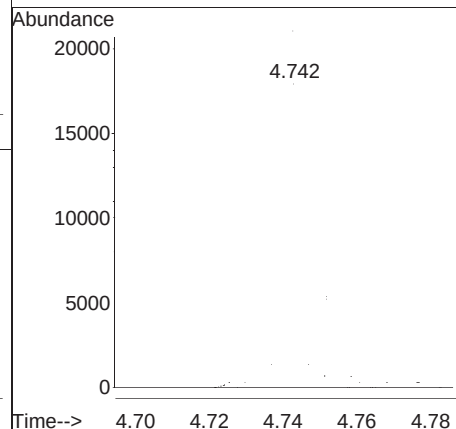
Tgt Ion:	70	Resp:	12724
Ion Ratio	Lower	Upper	
70	100		
130	20.4	18.2	27.4
101	9.6	7.8	11.8

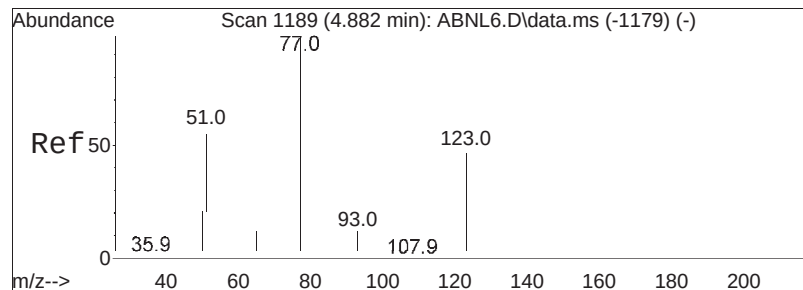




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.37 ug/ml
 RT: 4.742 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	16598		
107	116.7		88.6	132.8
90	10.7		8.8	13.2





#20

Nitrobenzene

Concen: 1.43 ug/ml

RT: 4.845 min Scan# 1177

Delta R.T. 0.003 min

Lab File: 111386-2.D

Acq: 6 Sep 2025 11:22 am

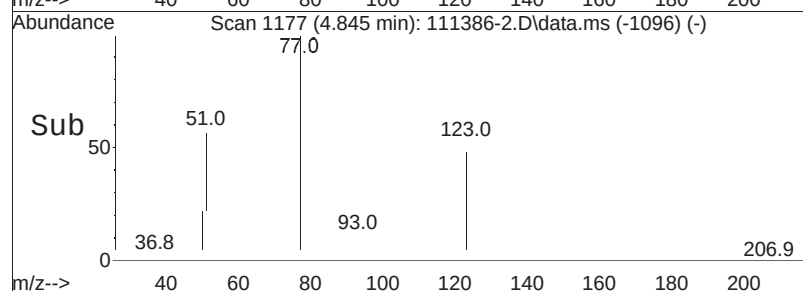
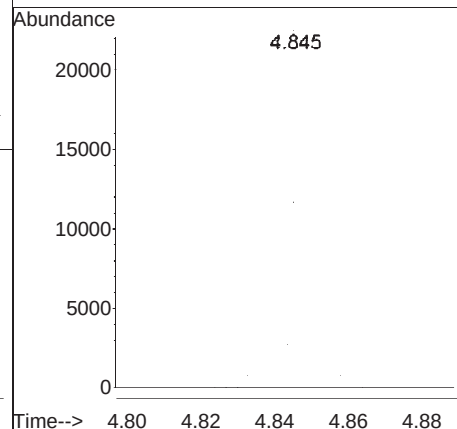
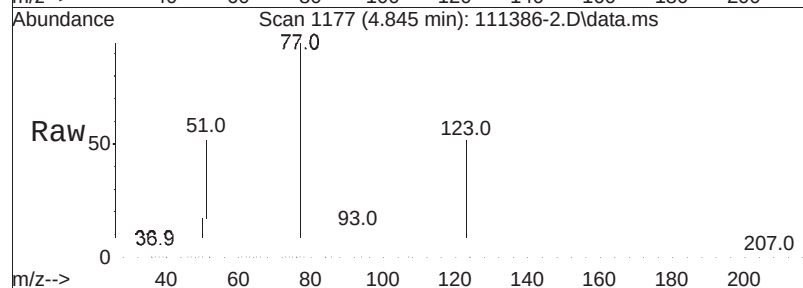
Tgt Ion: 77 Resp: 18139

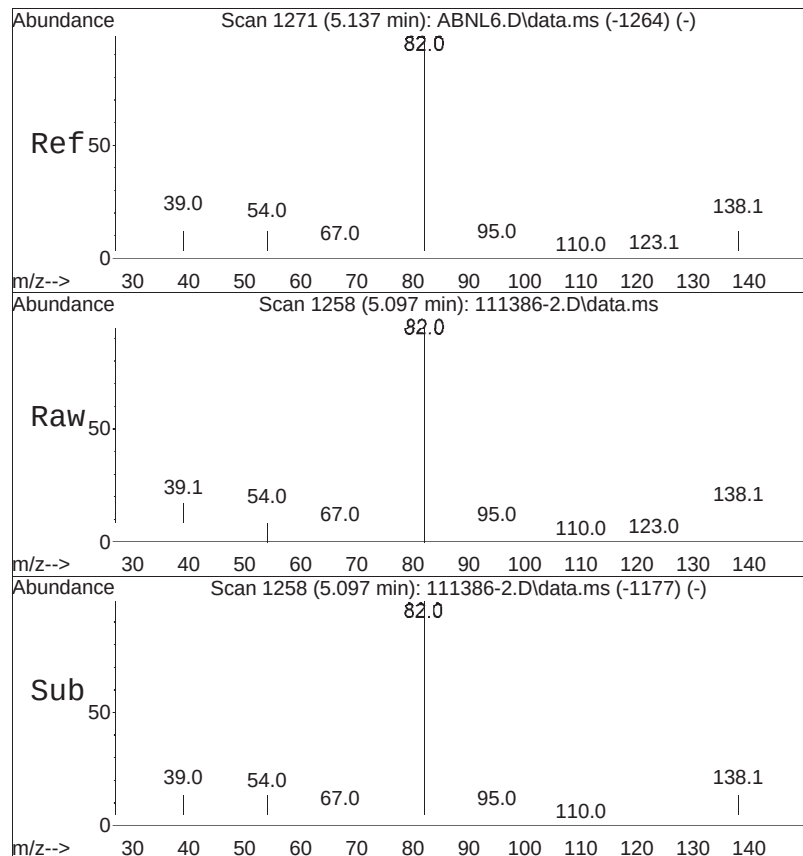
Ion Ratio Lower Upper

77 100

123 48.2 36.3 54.5

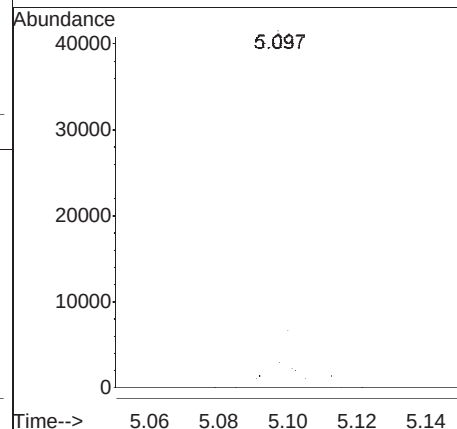
65 13.0 11.6 17.4

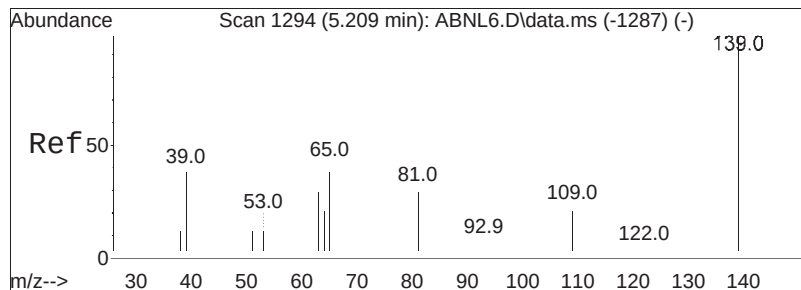




#21
 Isophorone
 Concen: 1.44 ug/ml
 RT: 5.097 min Scan# 1258
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

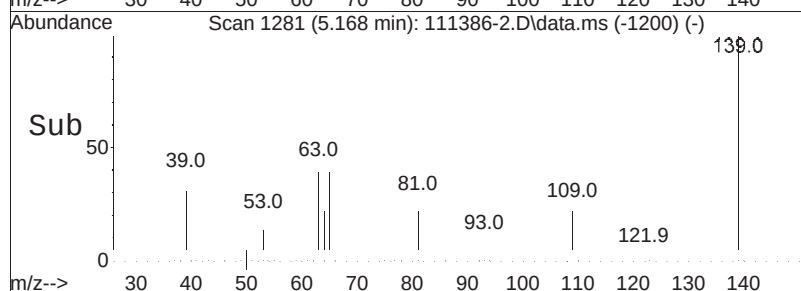
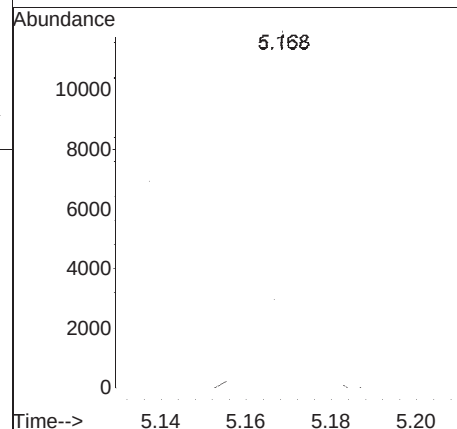
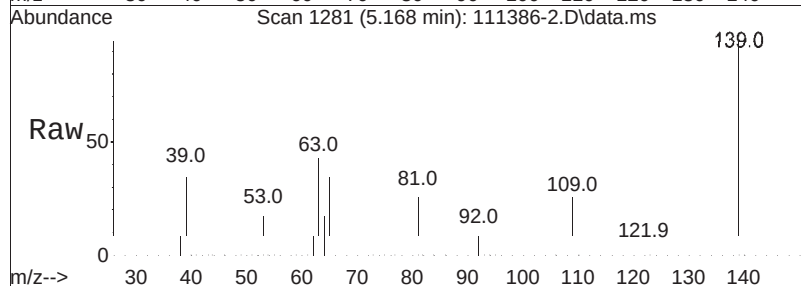
Tgt Ion:	82	Resp:	33264
Ion Ratio	Lower	Upper	
82	100		
138	16.7	14.7	22.1
95	6.6	5.2	7.8

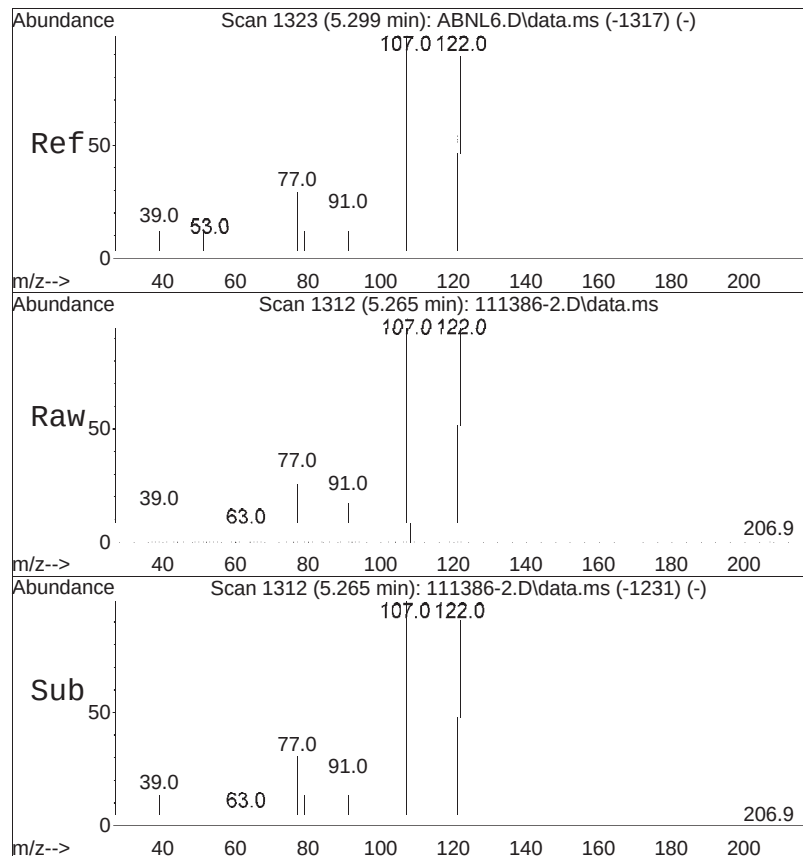




#22
 2-Nitrophenol
 Concen: 1.45 ug/ml
 RT: 5.168 min Scan# 1281
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

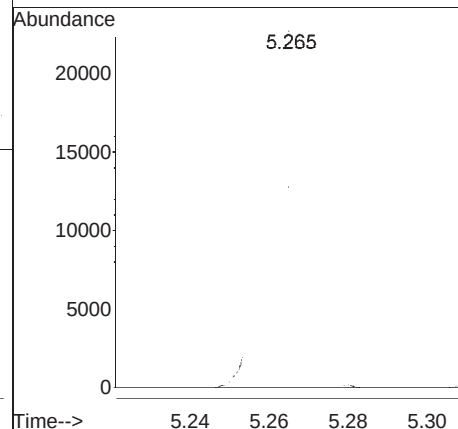
Tgt Ion	Ratio	Lower	Upper
139	100		
109	25.3	19.4	29.0
65	42.2	46.1	69.1#

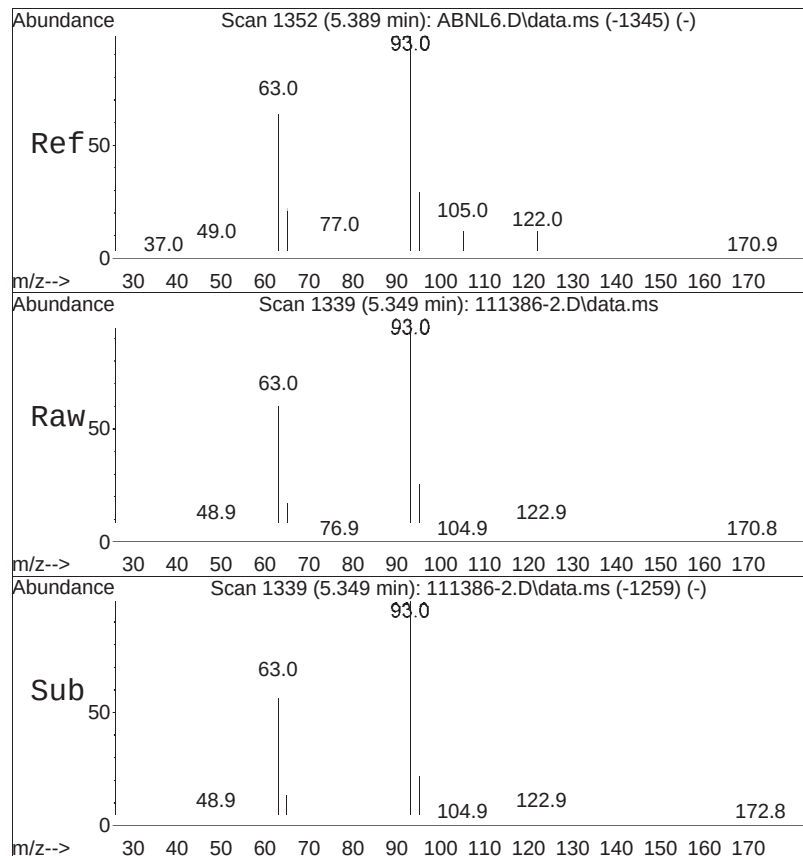




#23
 2,4-Dimethylphenol
 Concen: 1.32 ug/ml
 RT: 5.265 min Scan# 1312
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

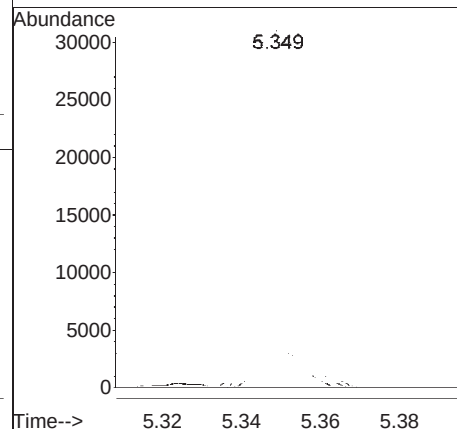
Tgt Ion:	107	Resp:	16815
Ion Ratio	Lower	Upper	
107	100		
121	56.5	40.0	60.0
122	93.0	70.2	105.4

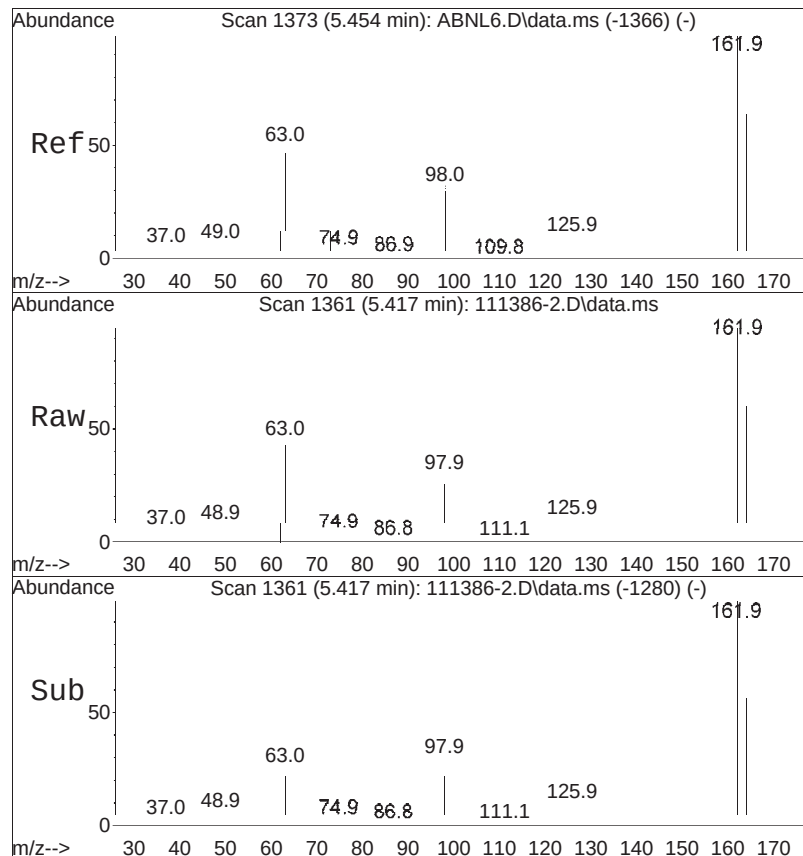




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.50 ug/ml
 RT: 5.349 min Scan# 1339
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

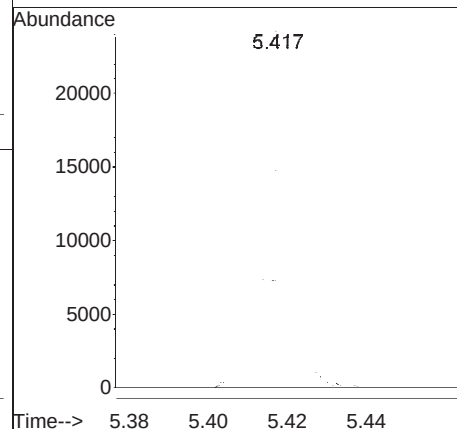
Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.8	38.8
123	9.8	10.1	15.1#

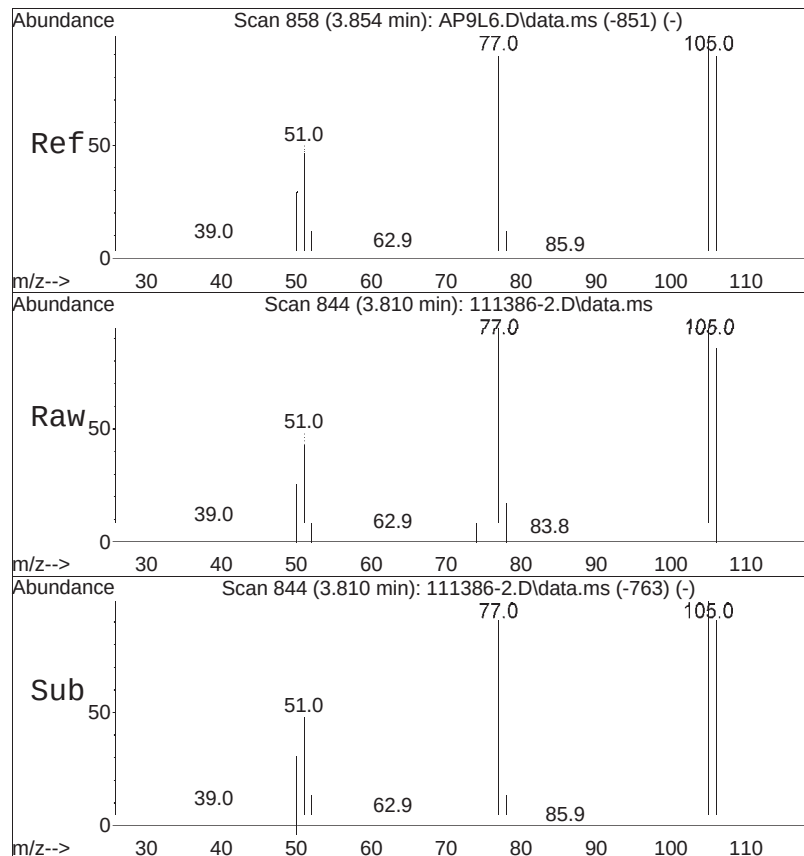




#25
 2,4-Dichlorophenol
 Concen: 1.53 ug/ml
 RT: 5.417 min Scan# 1361
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

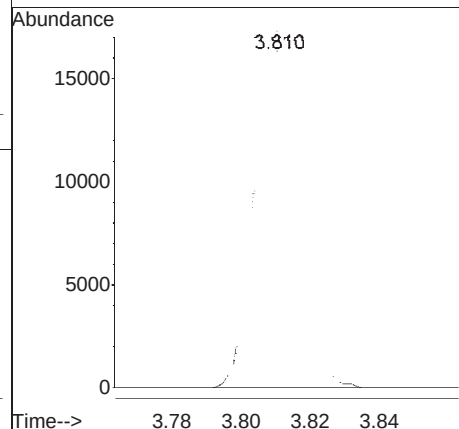
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	18019		
164	65.2		51.0	76.4
98	32.3		32.2	48.2

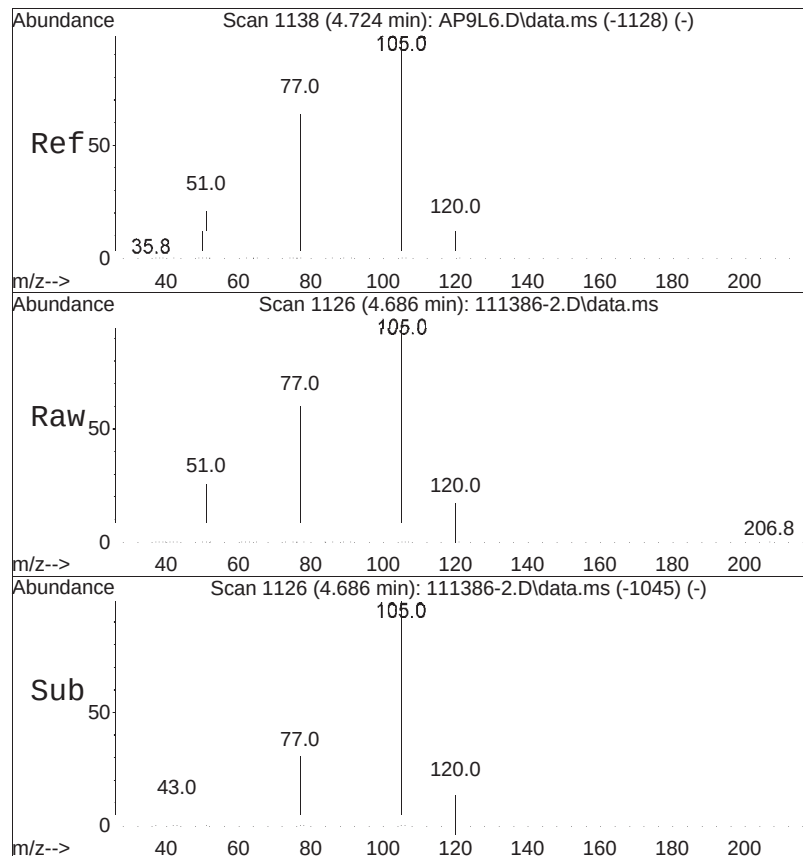




#28
 Benzaldehyde
 Concen: 2.41 ug/ml
 RT: 3.810 min Scan# 844
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

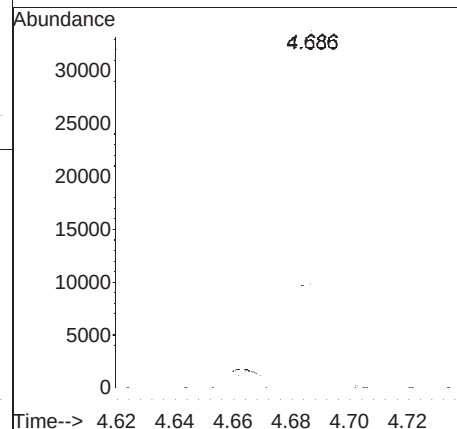
Tgt Ion	Ratio	Lower	Upper
105	100		
77	89.5	82.2	123.4

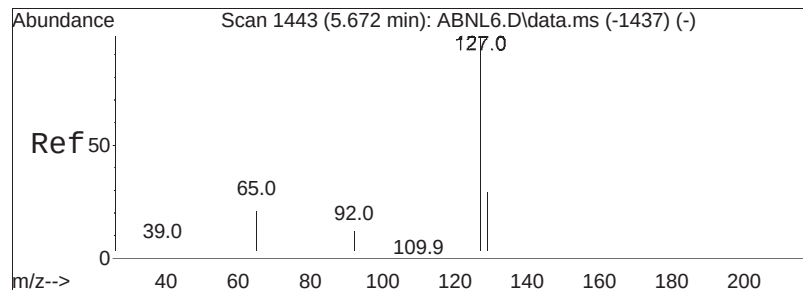




#29
 Acetophenone
 Concen: 1.50 ug/ml
 RT: 4.686 min Scan# 1126
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

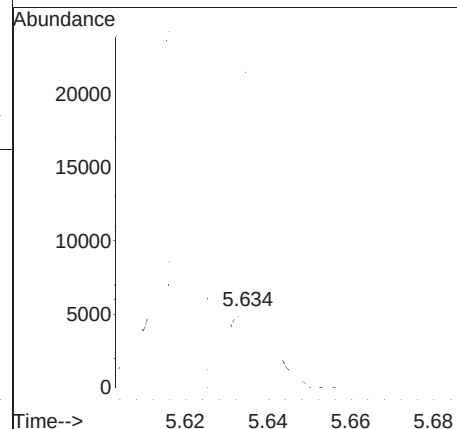
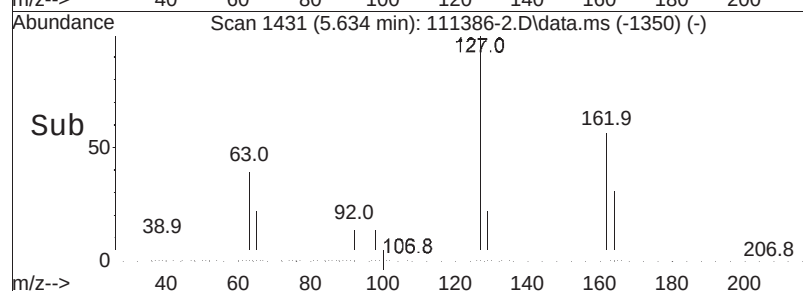
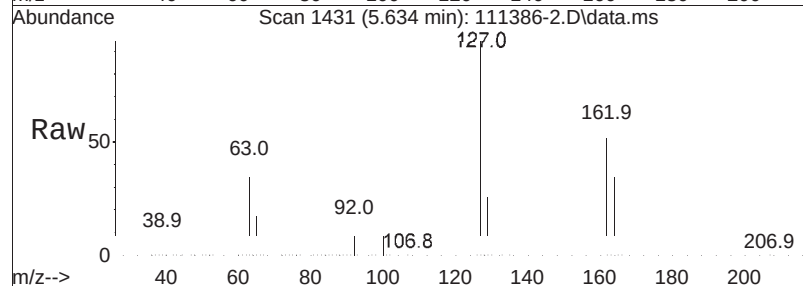
Tgt Ion:	105	Resp:	28755
Ion Ratio	100	Lower	Upper
105	100		
120	17.2	20.5	30.7#
51	27.6	34.9	52.3#

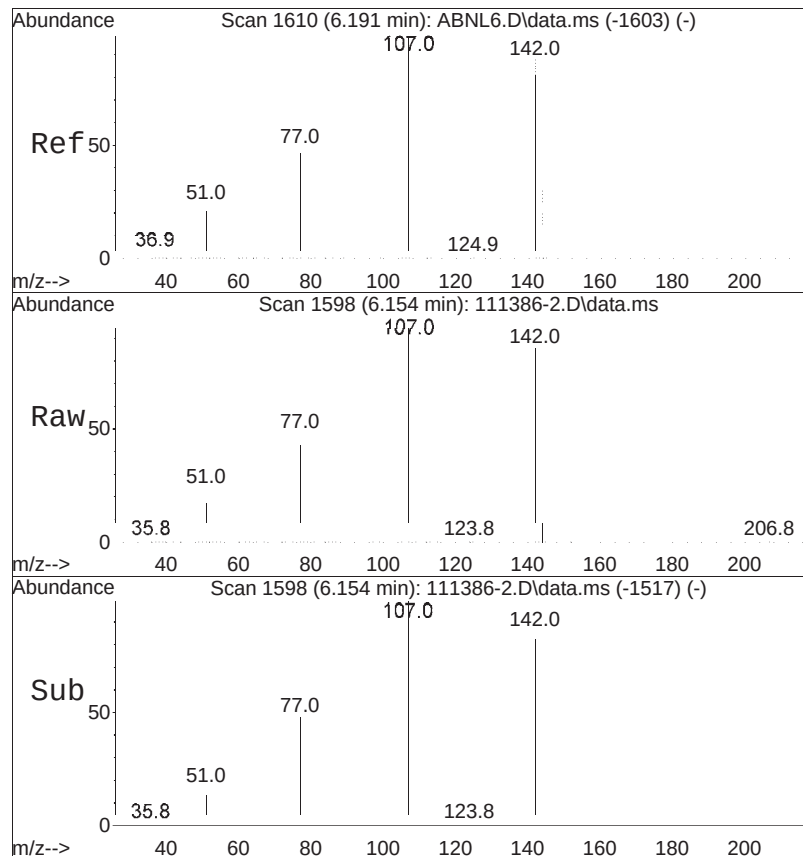




#38
 4-Chloroaniline
 Concen: 0.90 ug/ml M3
 RT: 5.634 min Scan# 1431
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

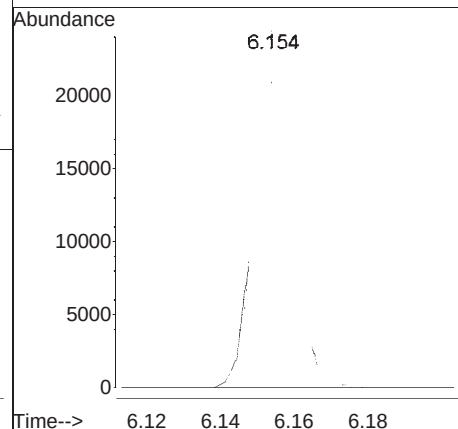
Tgt Ion	Ratio	Lower	Upper
65	100		
127	448.2	237.6	356.4#
129	147.1	76.3	114.5#

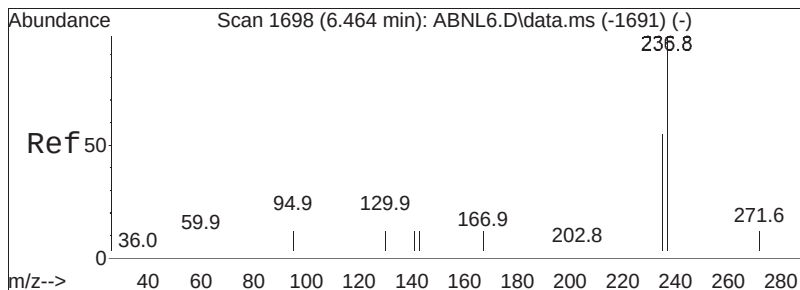




#40
 p-Chloro-m-cresol
 Concen: 1.54 ug/ml
 RT: 6.154 min Scan# 1598
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

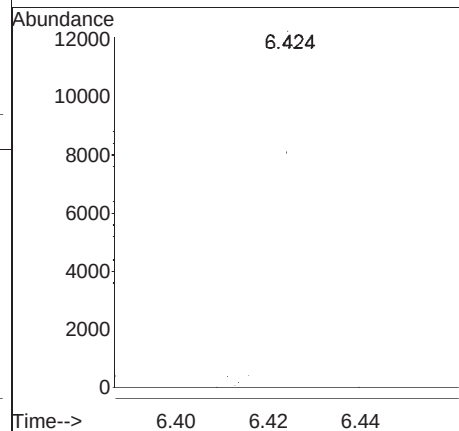
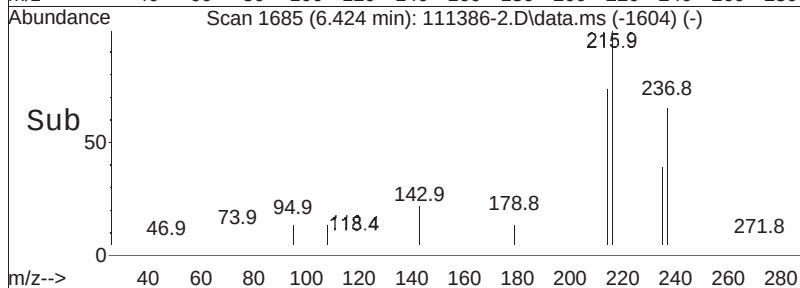
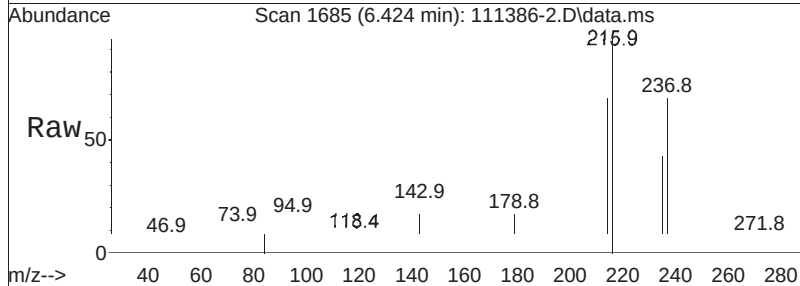
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	17369		
144	28.1		20.9	31.3
142	89.3		66.1	99.1

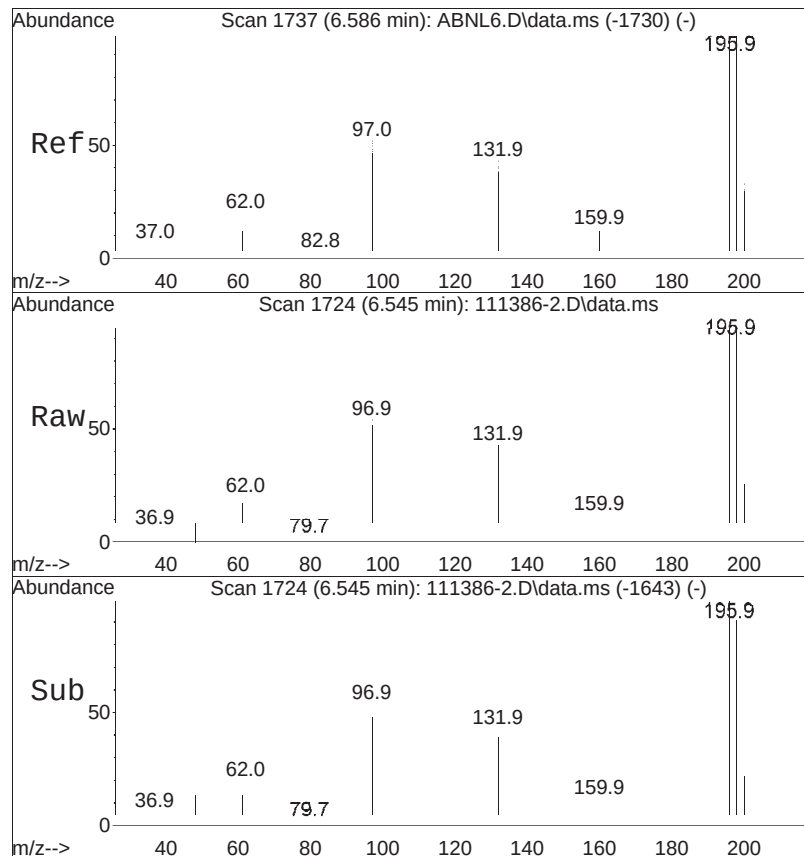




#43
 Hexachlorocyclopentadiene
 Concen: 0.91 ug/ml
 RT: 6.424 min Scan# 1685
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

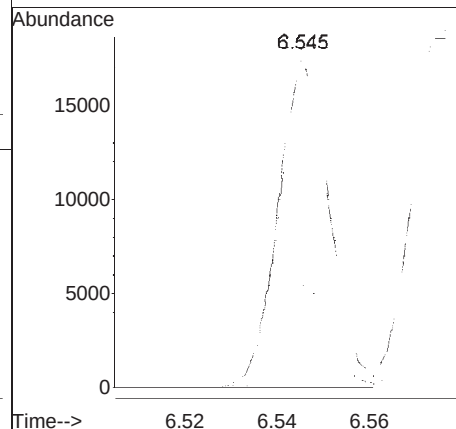
Tgt Ion:	237	Resp:	9219
Ion Ratio	Lower	Upper	
237	100		
235	63.6	49.7	74.5
272	12.8	9.8	14.6

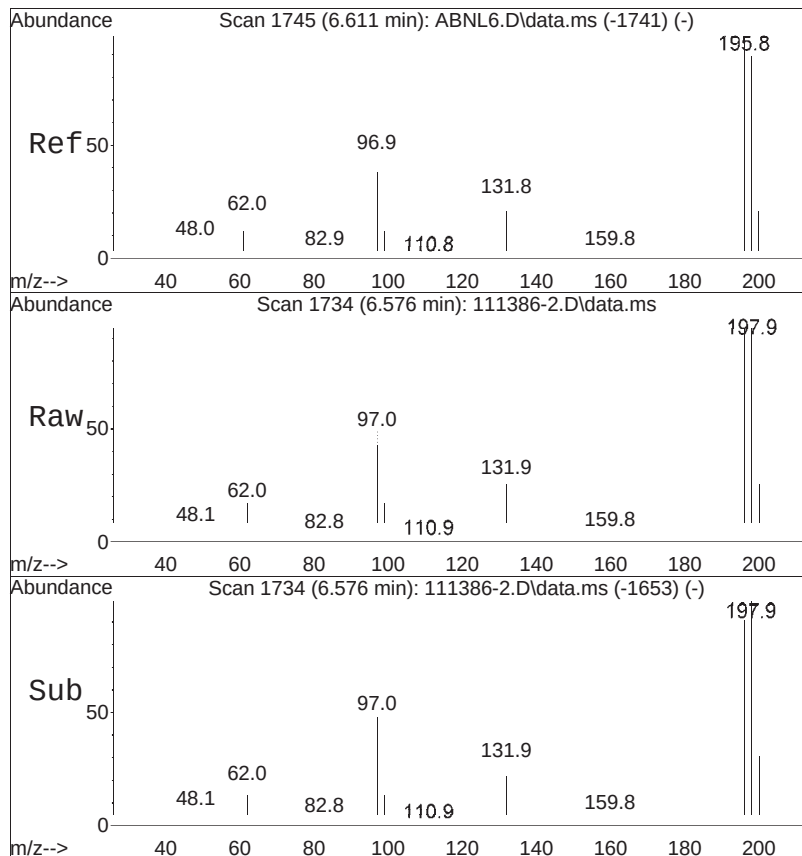




#44
 2,4,6-Trichlorophenol
 Concen: 1.56 ug/ml
 RT: 6.545 min Scan# 1724
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

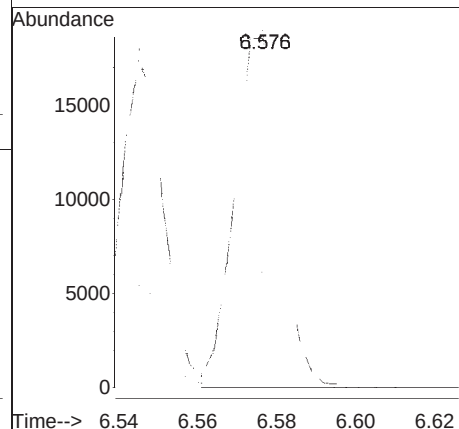
Tgt Ion:	196	Resp:	13230
Ion Ratio	Lower	Upper	
196	100		
198	101.8	77.5	116.3
200	30.2	23.8	35.6

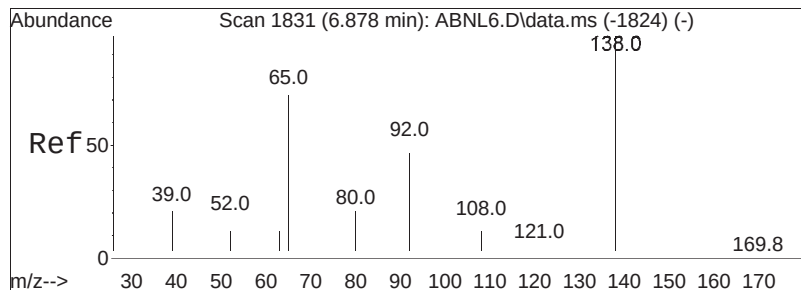




#45
 2,4,5-Trichlorophenol
 Concen: 1.55 ug/ml
 RT: 6.576 min Scan# 1734
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

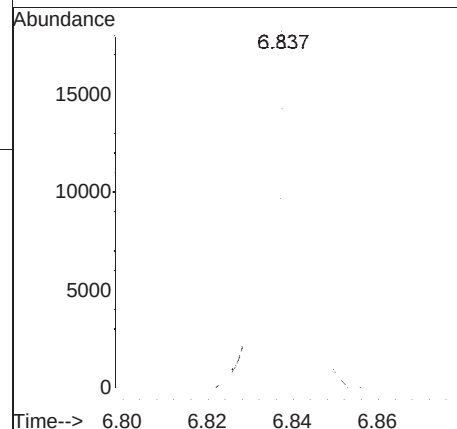
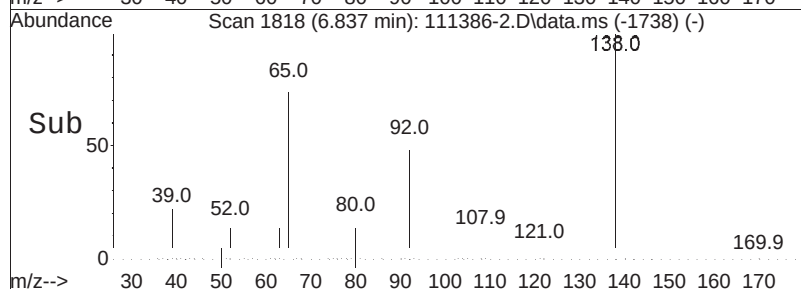
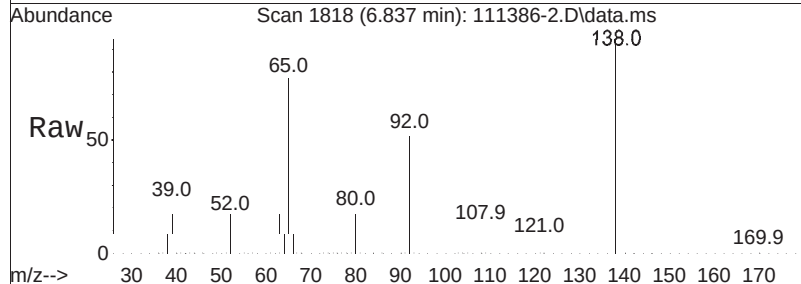
Tgt Ion	Ratio	Lower	Upper
196	100		
200	32.4	25.4	38.0
198	102.1	78.0	117.0

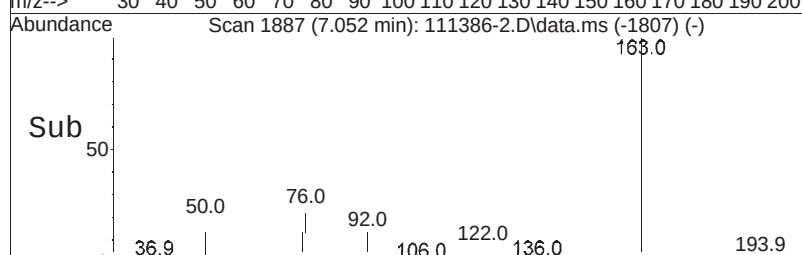
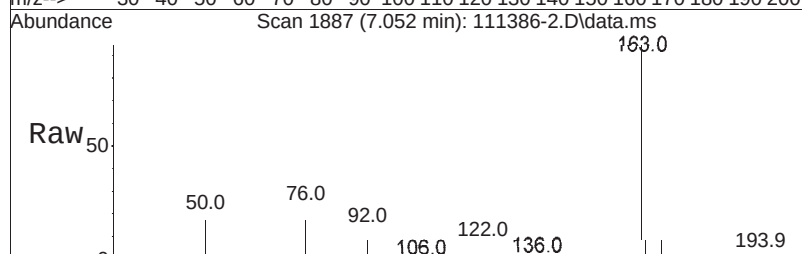
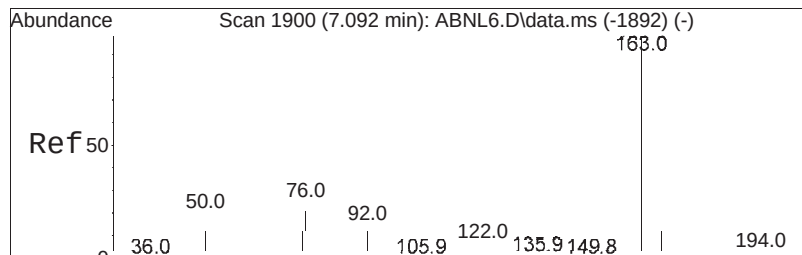




#48
 2-Nitroaniline
 Concen: 1.61 ug/ml
 RT: 6.837 min Scan# 1818
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

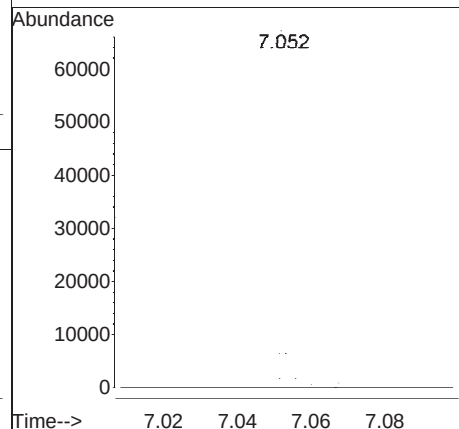
Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.0	53.5	80.3
65	80.0	86.3	129.5#

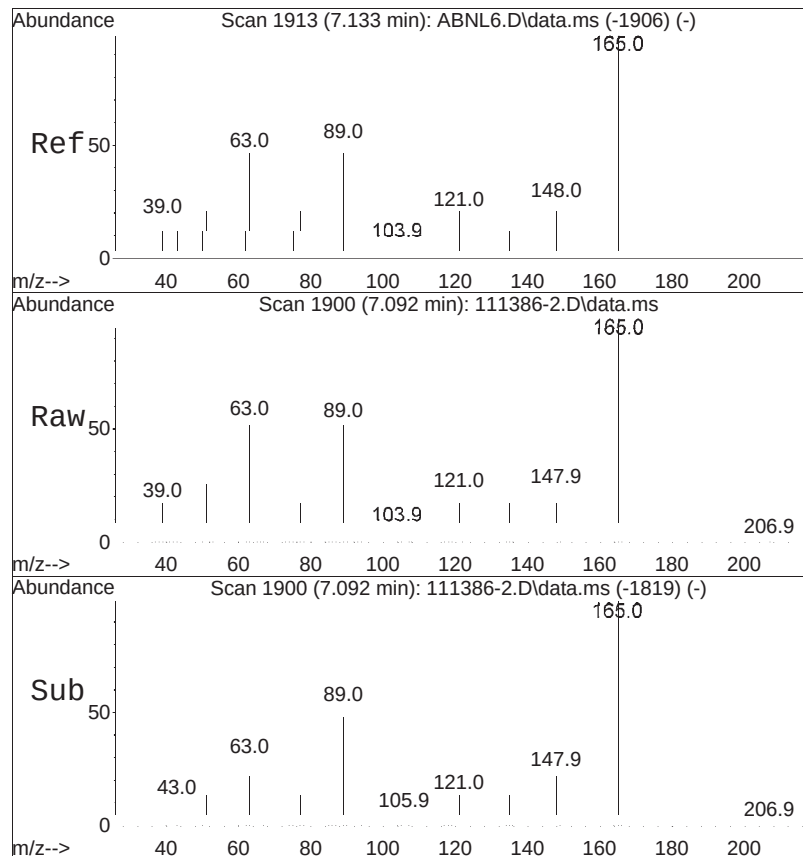




#51
 Dimethyl phthalate
 Concen: 1.50 ug/ml
 RT: 7.052 min Scan# 1887
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

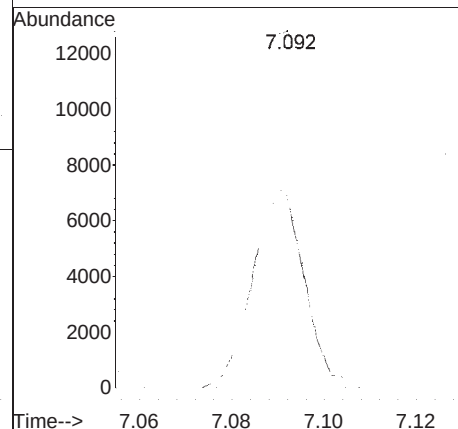
Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.8	3.5	5.3#
164	10.4	7.9	11.9

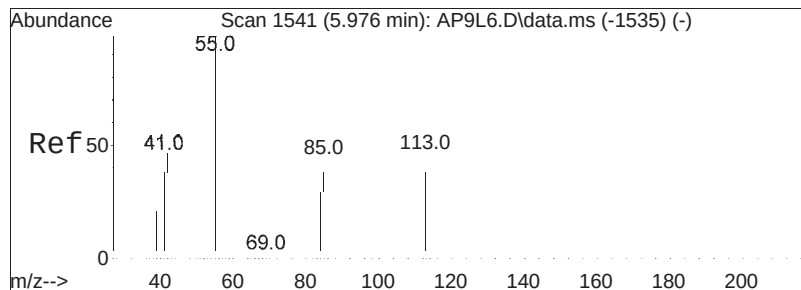




#53
 2,6-Dinitrotoluene
 Concen: 1.48 ug/ml
 RT: 7.092 min Scan# 1900
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

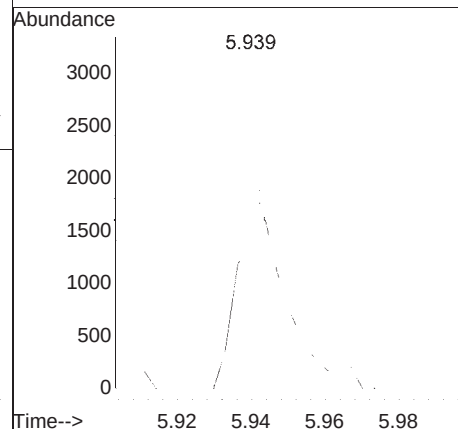
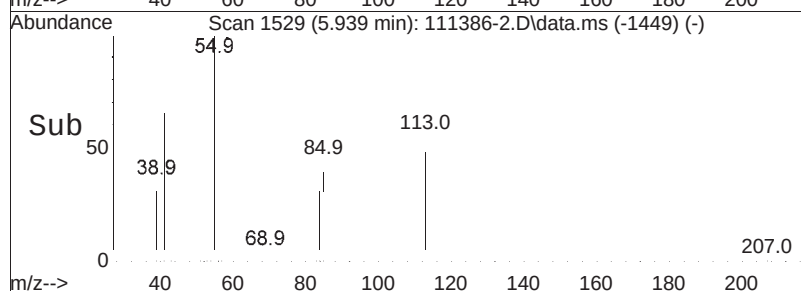
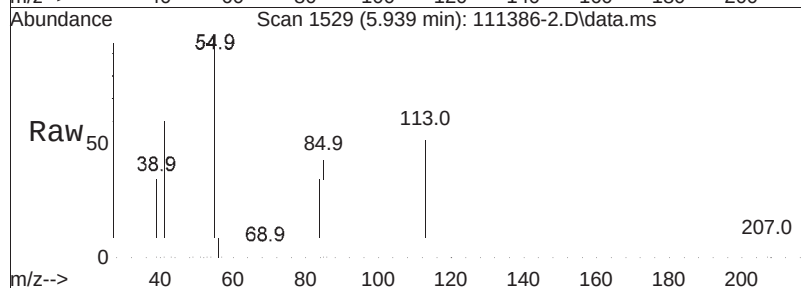
Tgt Ion	Ratio	Lower	Upper
165	100		
89	54.2	54.2	81.2
63	57.2	64.2	96.2#

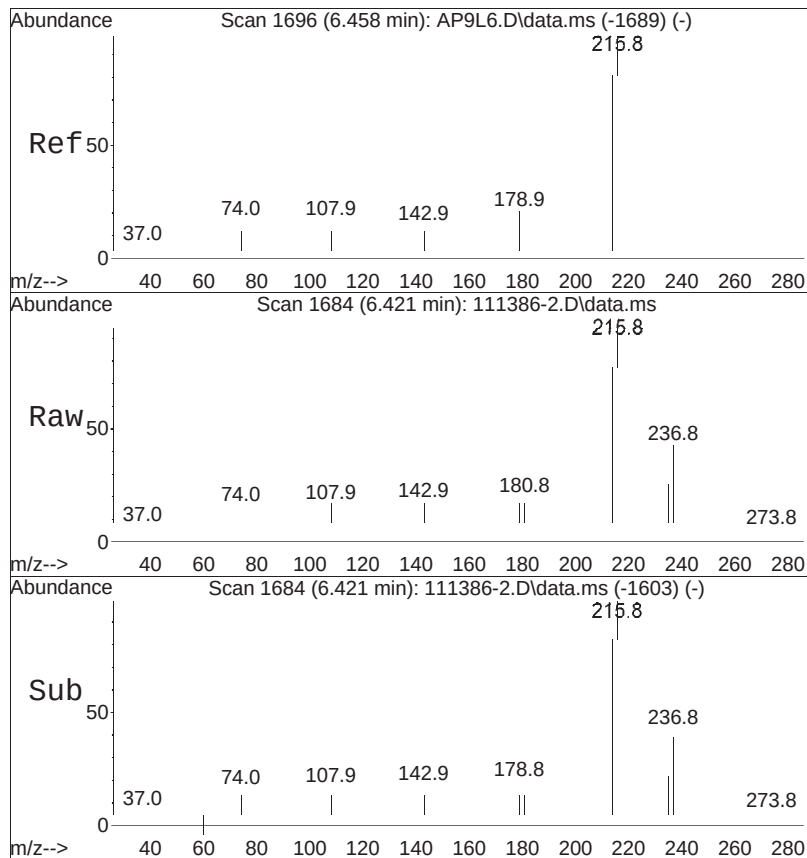




#60
 Caprolactam
 Concen: 0.63 ug/ml
 RT: 5.939 min Scan# 1529
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

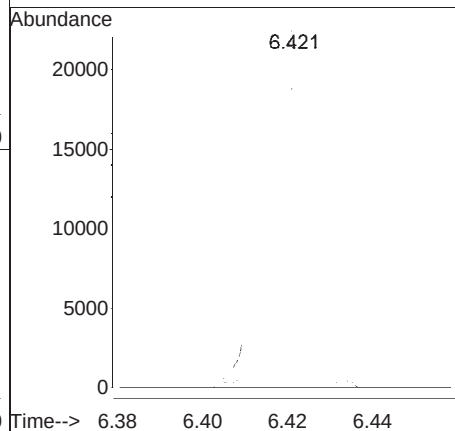
Tgt Ion:	55	Resp:	3524
Ion Ratio	Lower	Upper	
55	100		
85	46.3	19.8	29.6#
113	48.9	29.6	44.4#

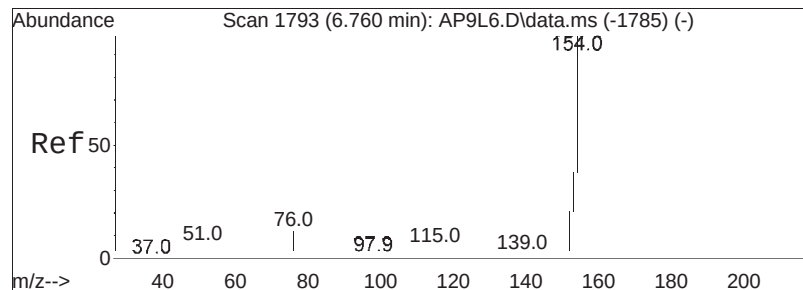




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.24 ug/ml
 RT: 6.421 min Scan# 1684
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

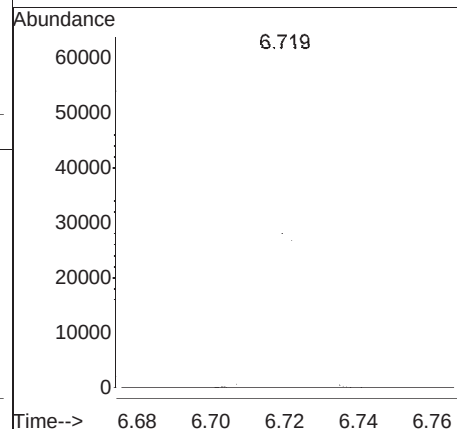
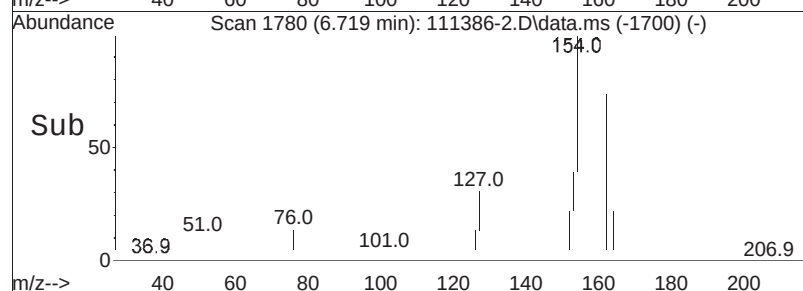
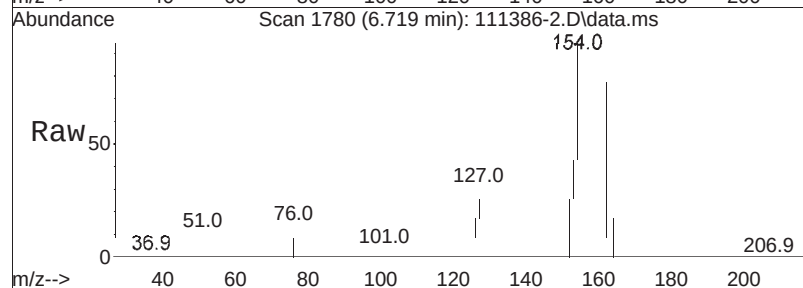
Tgt Ion:	216	Resp:	18312
Ion Ratio	Lower	Upper	
216	100		
214	81.0	63.7	95.5
179	20.1	19.0	28.6

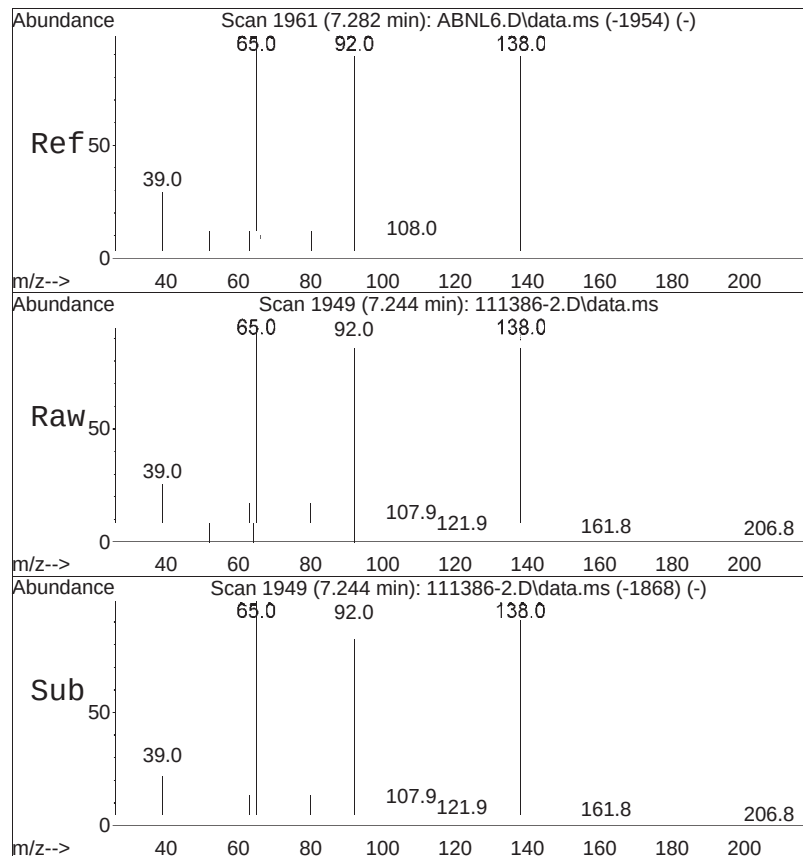




#62
 Biphenyl
 Concen: 1.38 ug/ml
 RT: 6.719 min Scan# 1780
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

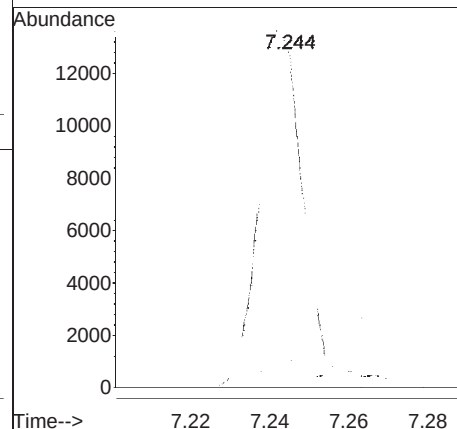
Tgt Ion:	154	Resp:	50777
Ion Ratio	Lower	Upper	
154	100		
153	42.0	32.3	48.5
152	27.3	22.5	33.7

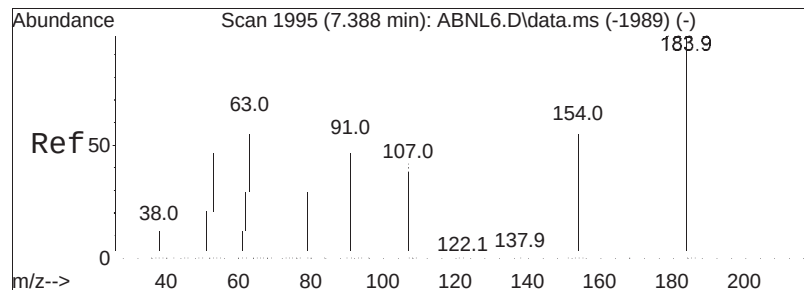




#64
 3-Nitroaniline
 Concen: 1.28 ug/ml
 RT: 7.244 min Scan# 1949
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

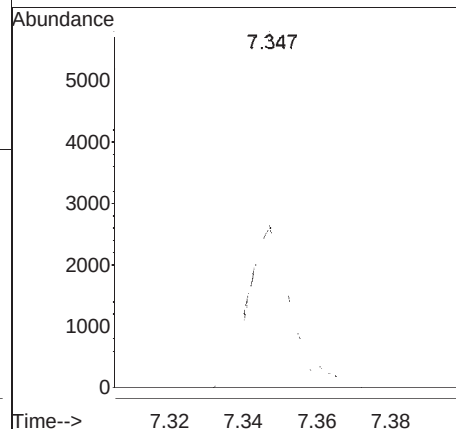
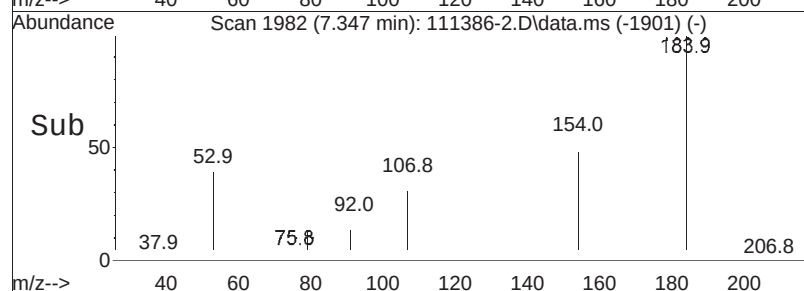
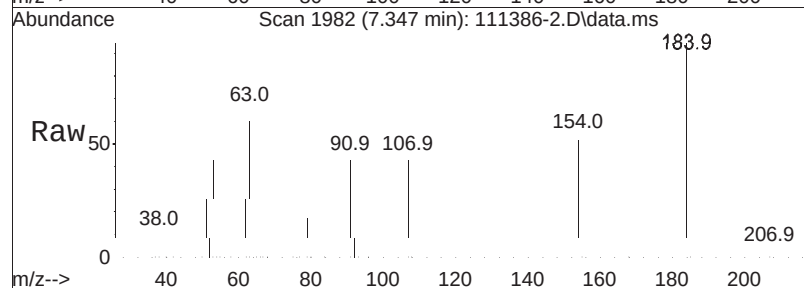
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	10087		
92	105.6		93.4	140.2
108	8.4		9.5	14.3#

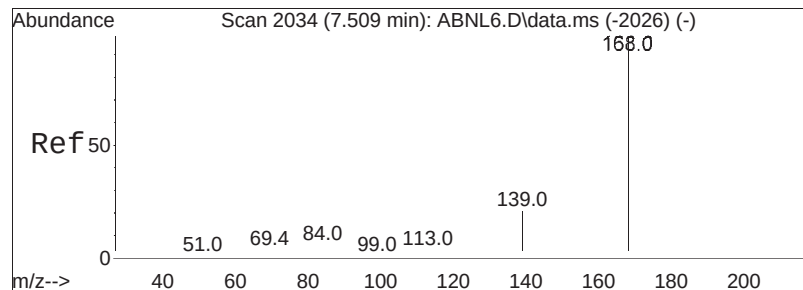




#66
 2,4-Dinitrophenol
 Concen: 1.18 ug/ml
 RT: 7.347 min Scan# 1982
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

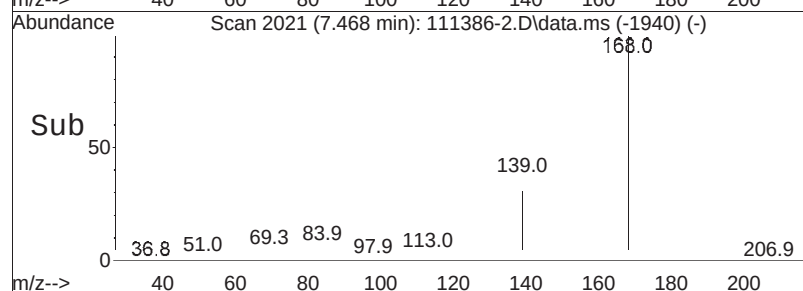
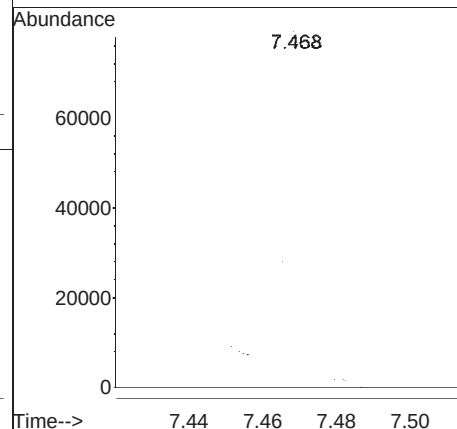
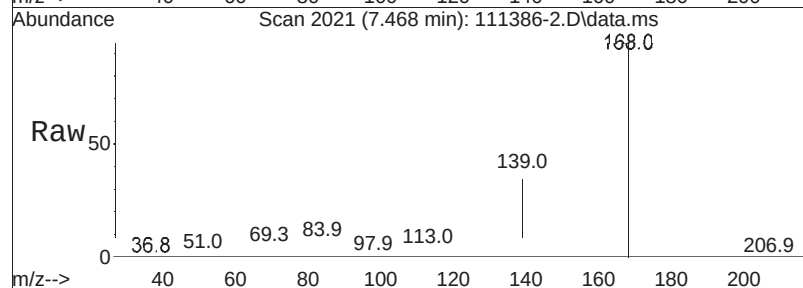
Tgt Ion	Ratio	Lower	Upper
184	100		
107	42.2	37.7	56.5
91	45.1	46.3	69.5#

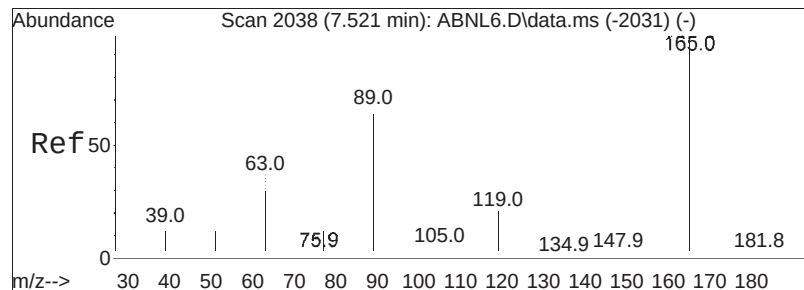




#67
 Dibenzofuran
 Concen: 1.47 ug/ml
 RT: 7.468 min Scan# 2021
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

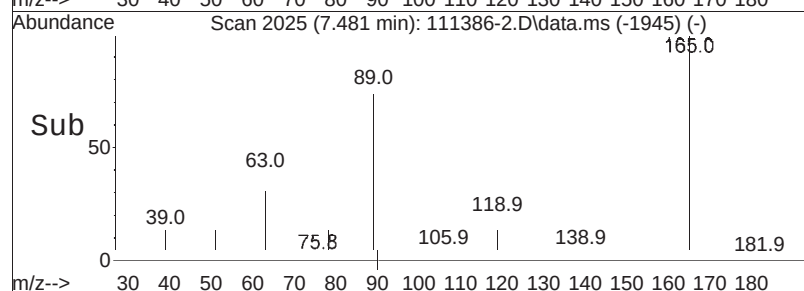
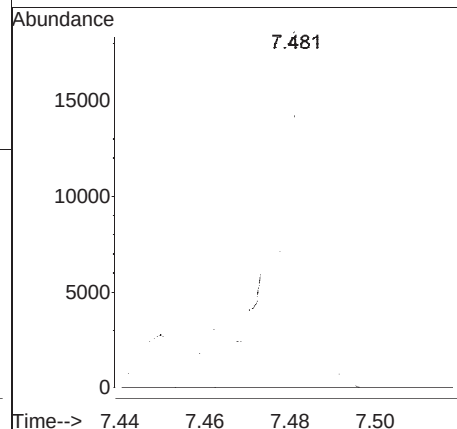
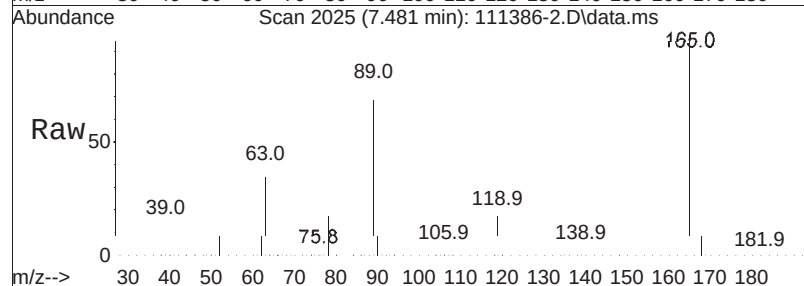
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.4	31.4	47.2

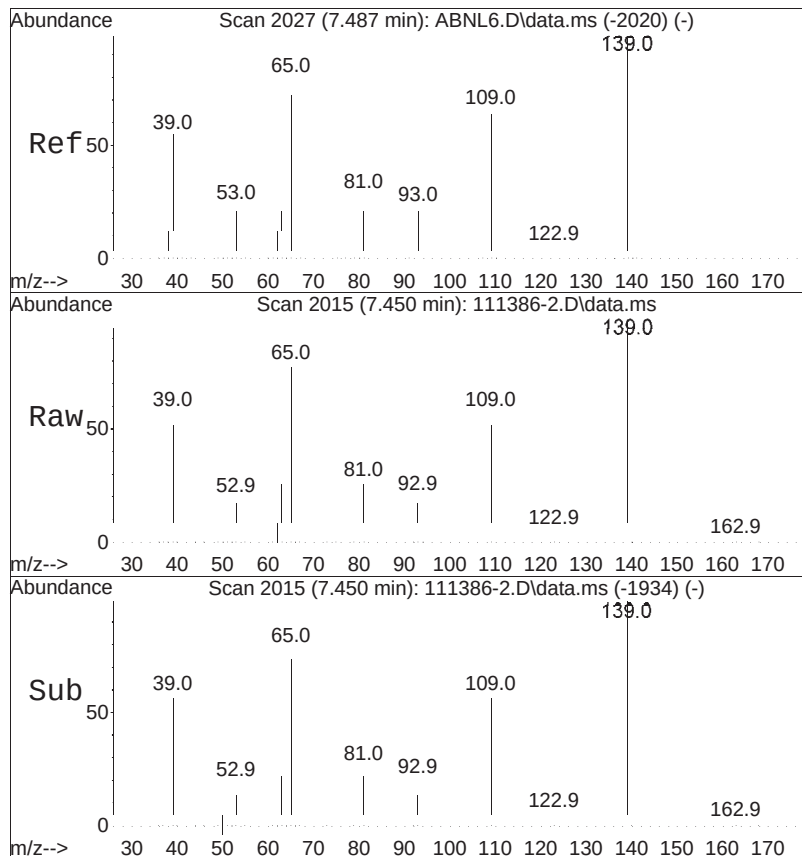




#68
 2,4-Dinitrotoluene
 Concen: 1.52 ug/ml
 RT: 7.481 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

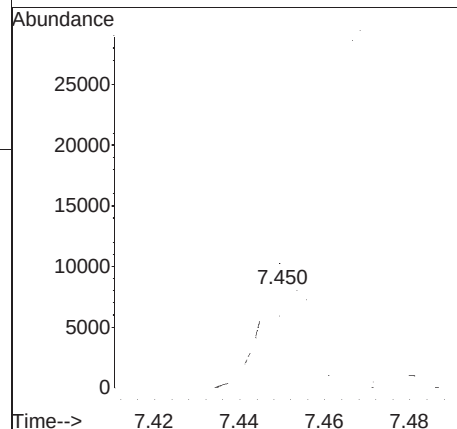
Tgt Ion:	165	Resp:	13485
Ion Ratio	Lower	Upper	
165	100		
89	85.9	72.0	108.0
63	64.7	52.7	79.1

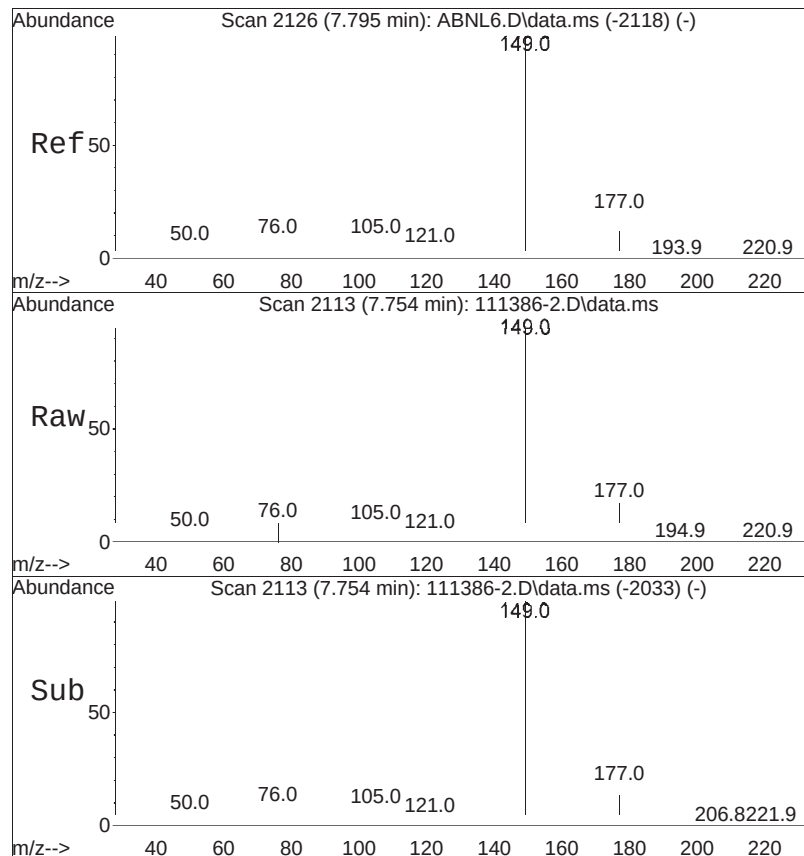




#69
 4-Nitrophenol
 Concen: 1.14 ug/ml
 RT: 7.450 min Scan# 2015
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

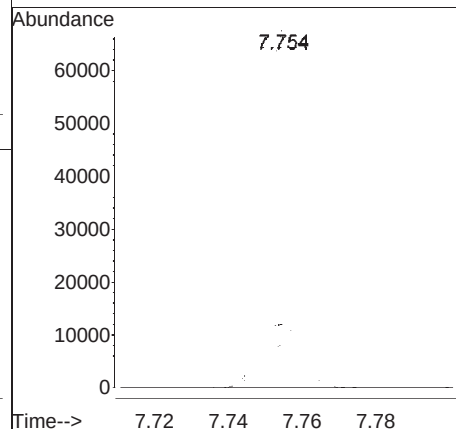
Tgt Ion:	65	Resp:	6270
Ion Ratio	Lower	Upper	
65	100		
109	68.3	47.4	71.2
139	115.7	76.6	115.0#

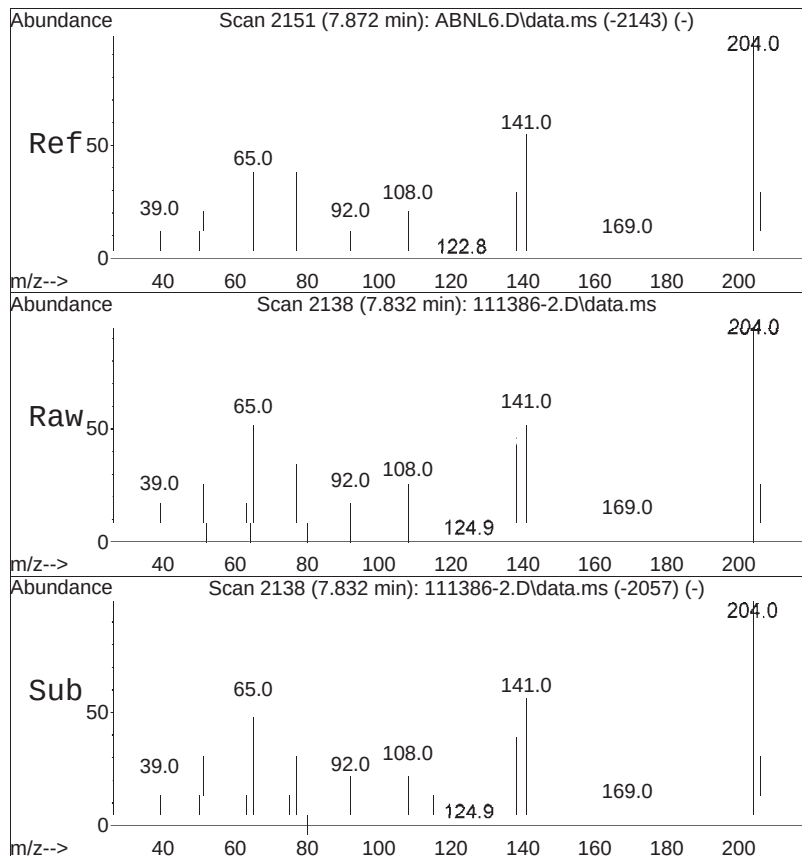




#72
 Diethyl phthalate
 Concen: 1.49 ug/ml
 RT: 7.754 min Scan# 2113
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

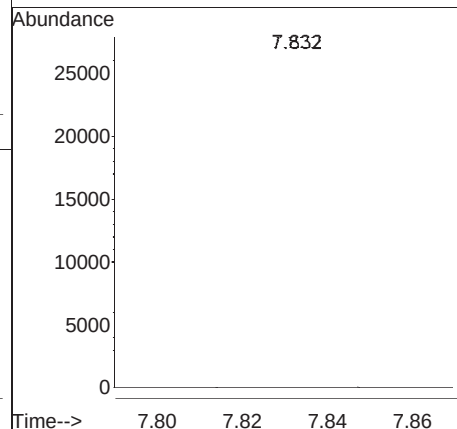
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	52262		
177	19.7		16.1	24.1
150	12.1		9.4	14.2

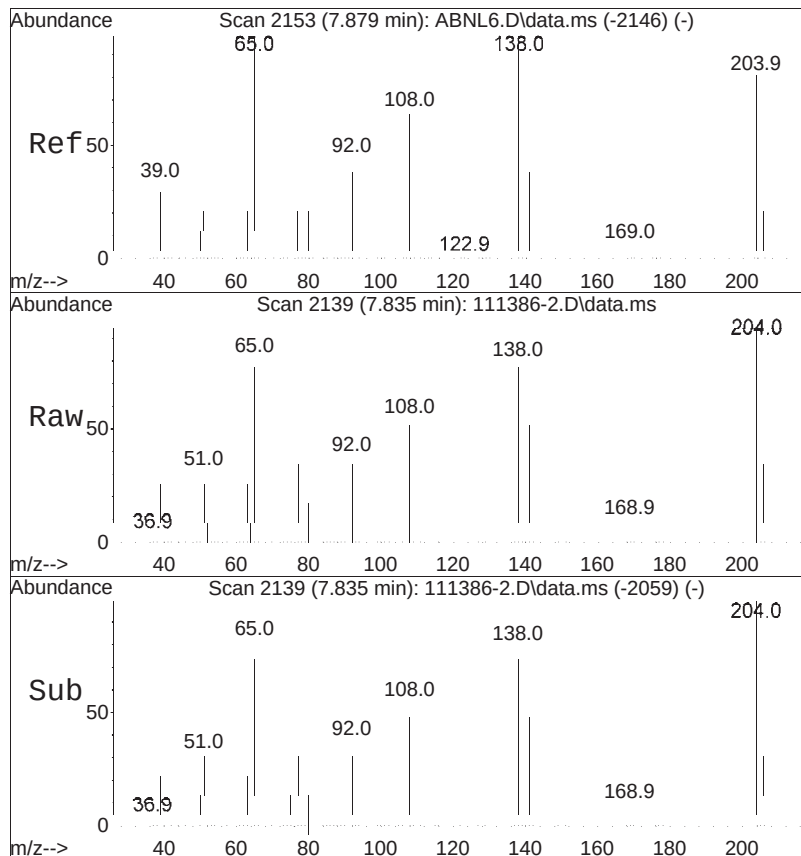




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.43 ug/ml
 RT: 7.832 min Scan# 2138
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

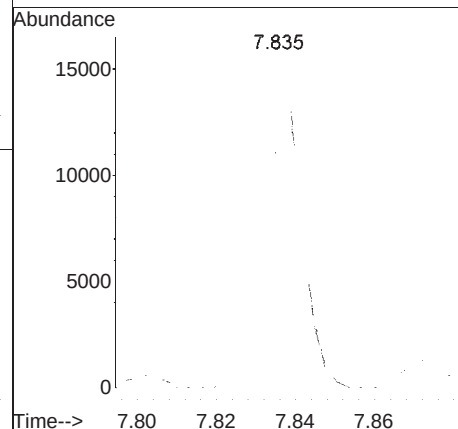
Tgt Ion:	204	Resp:	22718
Ion Ratio	Lower	Upper	
204	100		
206	32.8	25.8	38.6
141	57.0	53.6	80.4

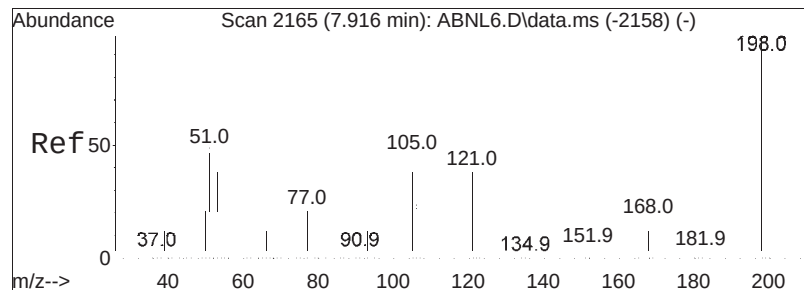




#75
 4-Nitroaniline
 Concen: 1.59 ug/ml
 RT: 7.835 min Scan# 2139
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

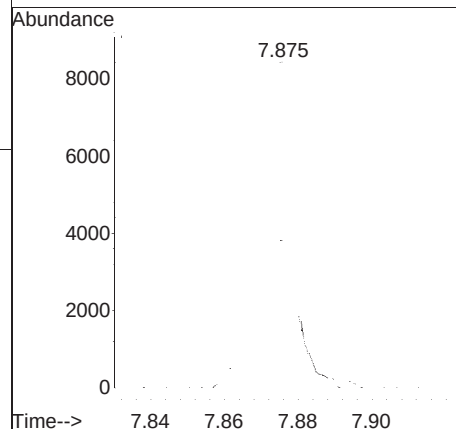
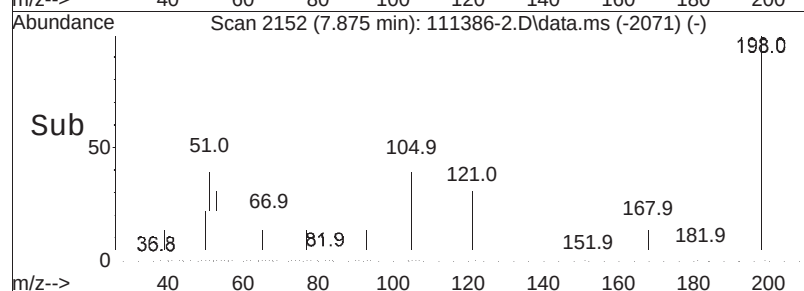
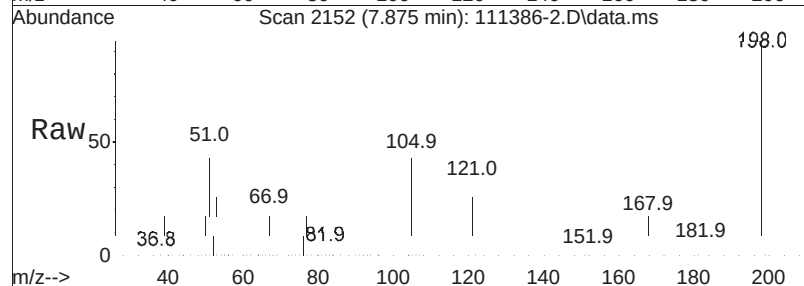
Tgt Ion:	138	Resp:	12371
Ion Ratio	Lower	Upper	
138	100		
108	66.2	52.1	78.1
65	108.6	115.0	172.6#

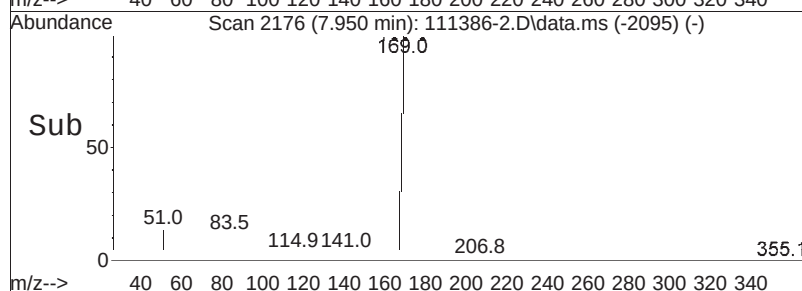
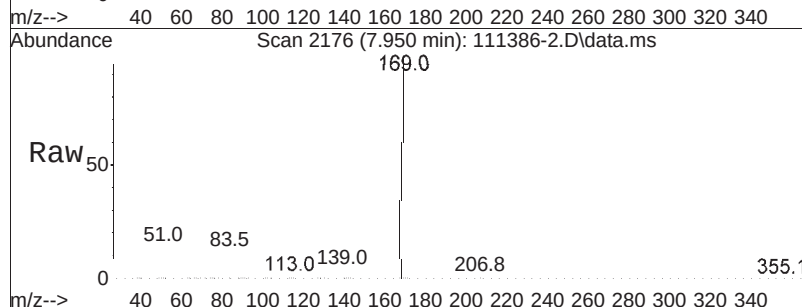
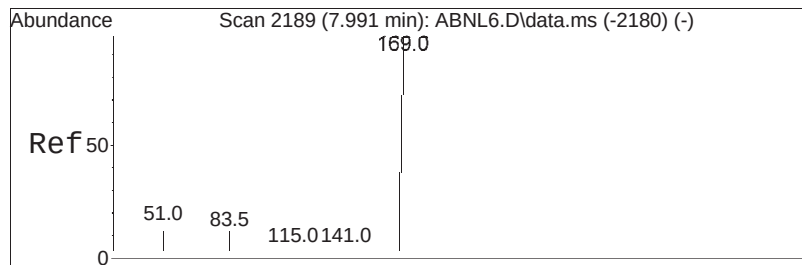




#76
 4,6-Dinitro-o-cresol
 Concen: 1.34 ug/ml
 RT: 7.875 min Scan# 2152
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

Tgt Ion	Ratio	Lower	Upper
198	100		
51	55.3	76.0	114.0#
105	47.5	45.6	68.4





#77

NDPA/DPA

Concen: 1.55 ug/ml

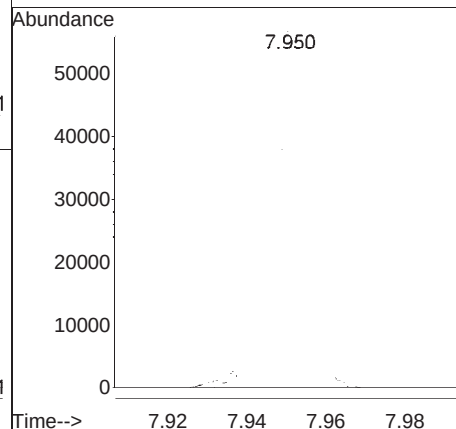
RT: 7.950 min Scan# 2176

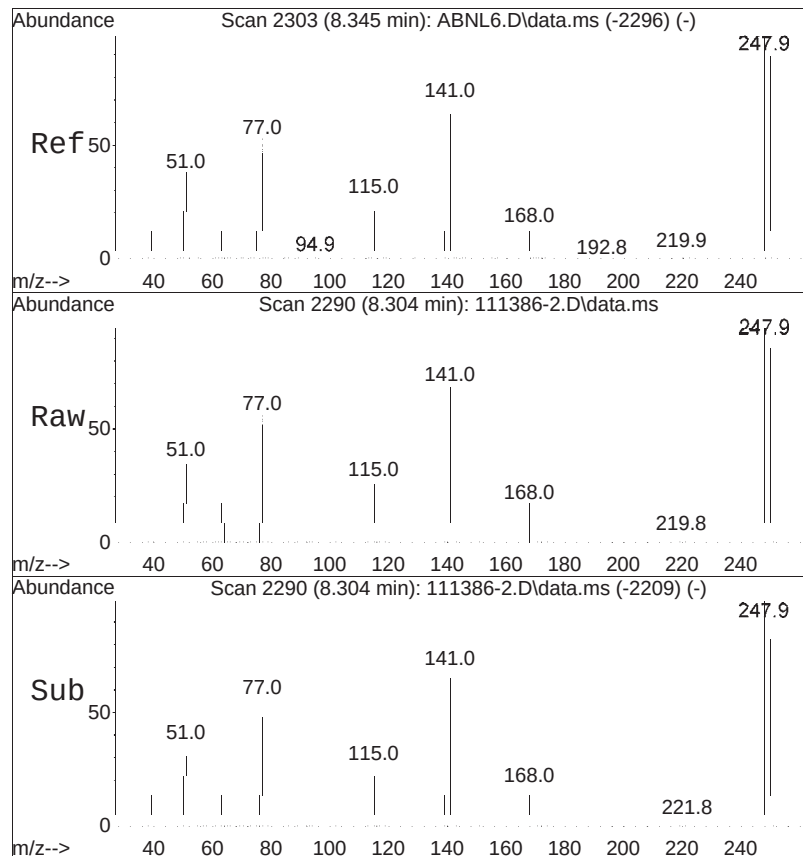
Delta R.T. 0.003 min

Lab File: 111386-2.D

Acq: 6 Sep 2025 11:22 am

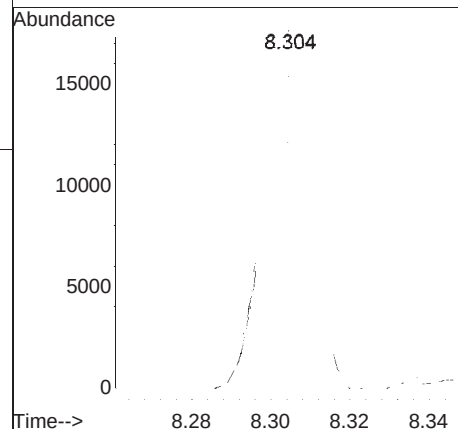
Tgt Ion	Ratio	Lower	Upper
169	100		
168	72.0	54.0	81.0
167	38.6	28.6	42.8

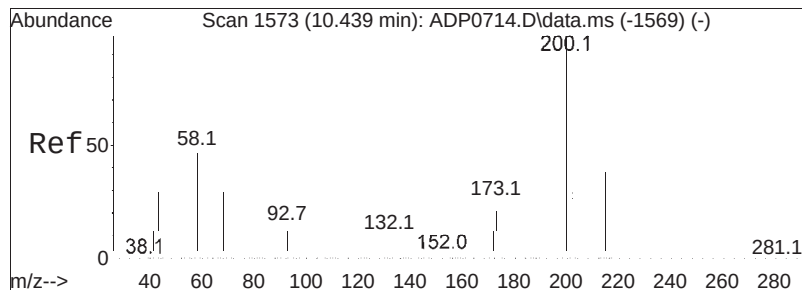




#80
 4-Bromophenyl phenyl ether
 Concen: 1.43 ug/ml
 RT: 8.304 min Scan# 2290
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

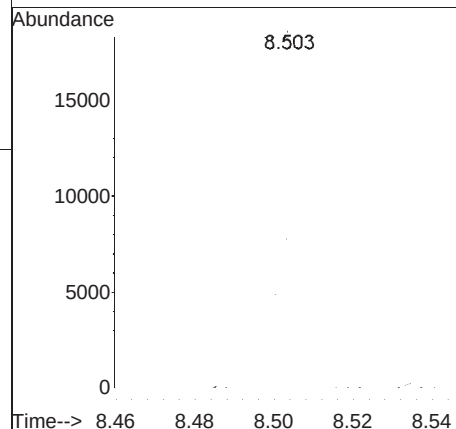
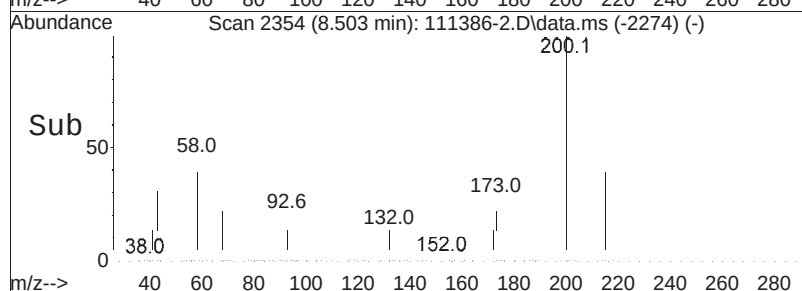
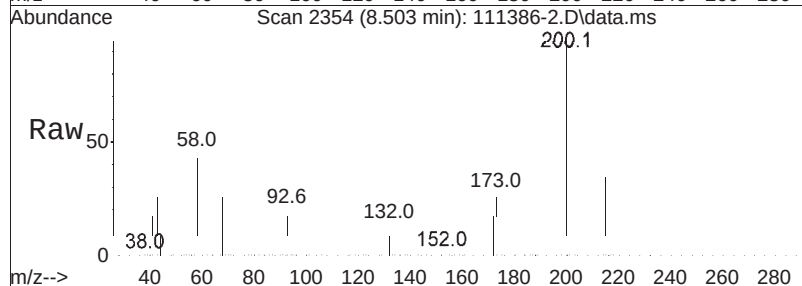
Tgt Ion:	248	Resp:	14021
Ion Ratio	Lower	Upper	
248	100		
141	69.9	76.6	114.8#
250	92.2	77.3	115.9

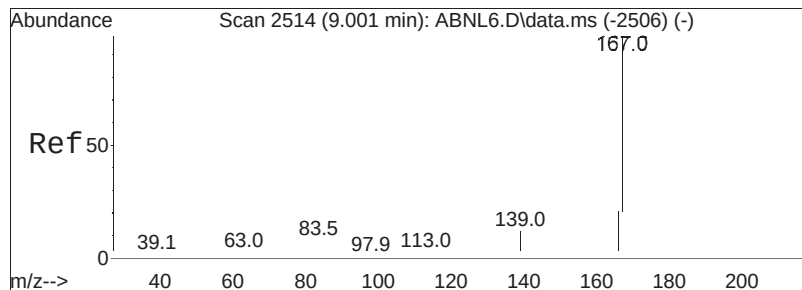




#87
 Atrazine
 Concen: 1.62 ug/ml
 RT: 8.503 min Scan# 2354
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

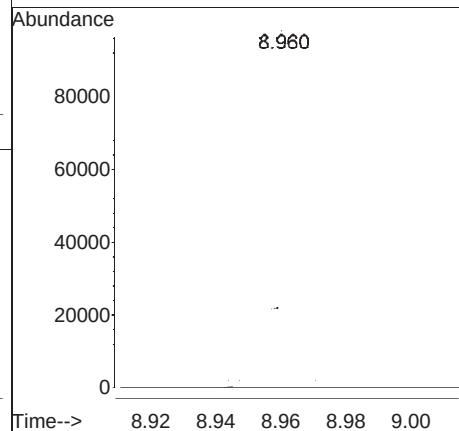
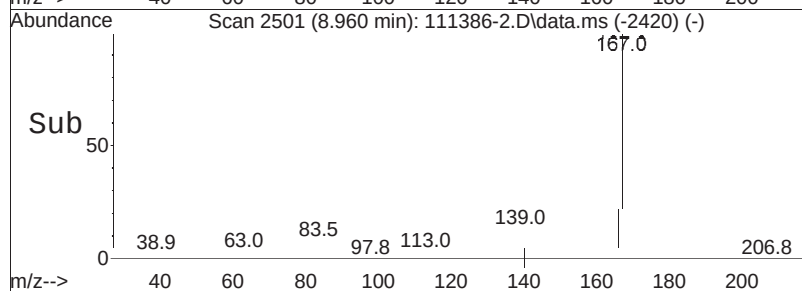
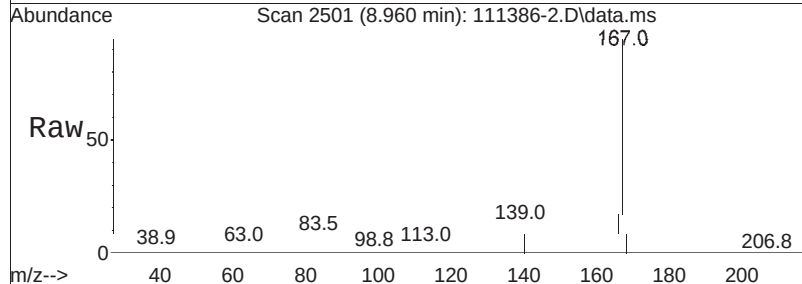
Tgt Ion:	200	Resp:	13876
Ion Ratio	Lower	Upper	
200	100		
202	29.9	25.8	38.6
215	42.2	40.2	60.4

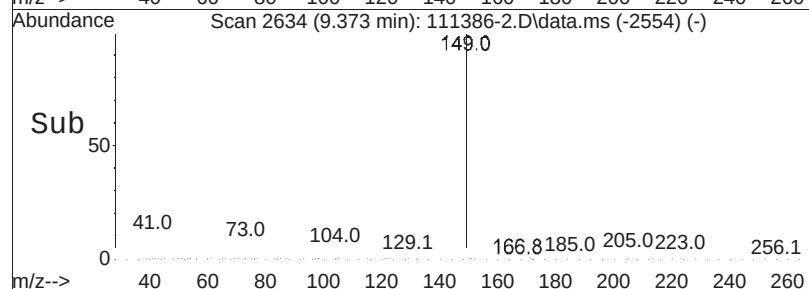
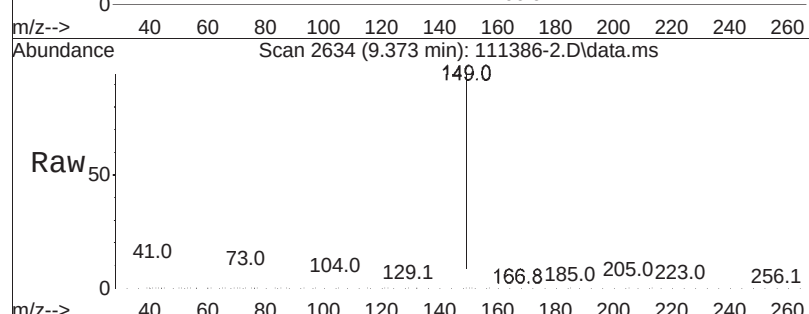
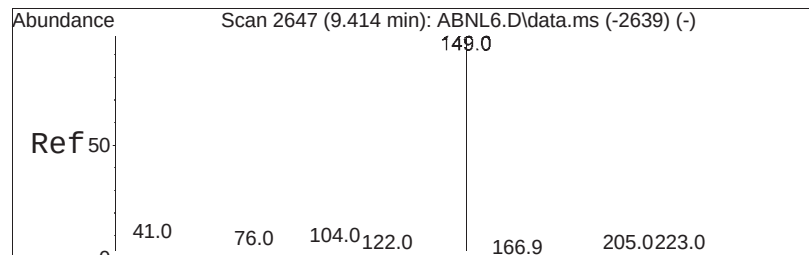




#91
 Carbazole
 Concen: 1.64 ug/ml
 RT: 8.960 min Scan# 2501
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

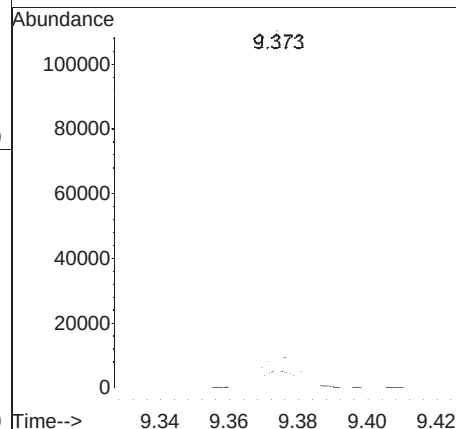
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	22.4	17.4	26.0

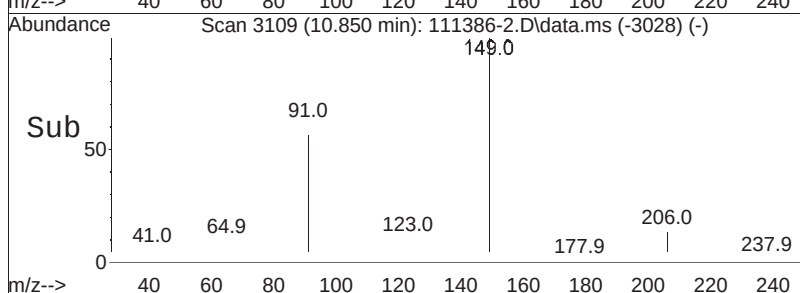
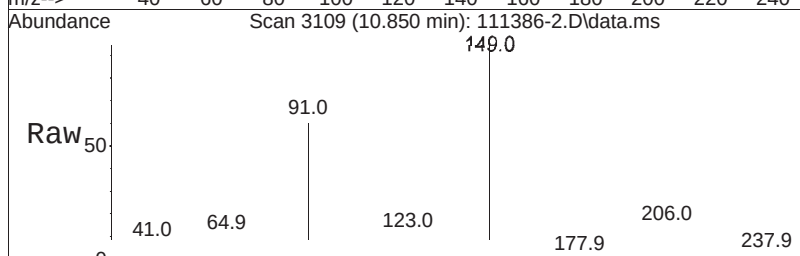
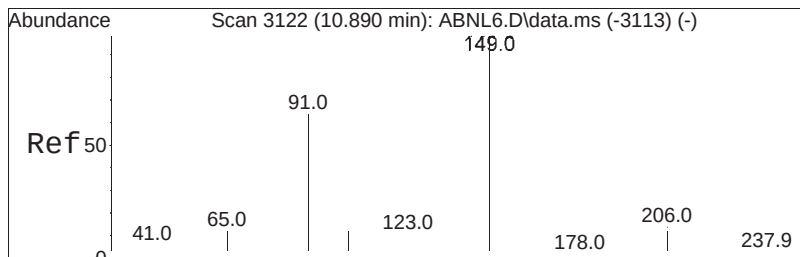




#92
 Di-n-butylphthalate
 Concen: 1.62 ug/ml
 RT: 9.373 min Scan# 2634
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

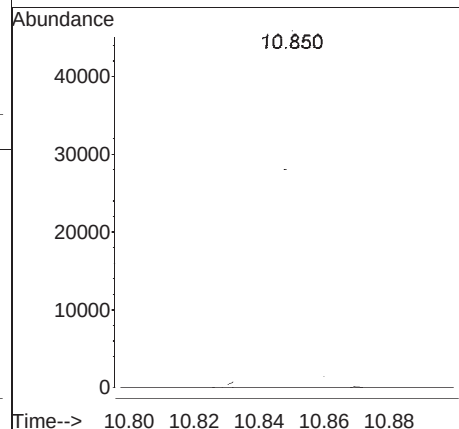
Tgt Ion	Ratio	Resp: Lower	Upper
149	100		
150	9.1	7.0	10.6
104	4.6	4.5	6.7

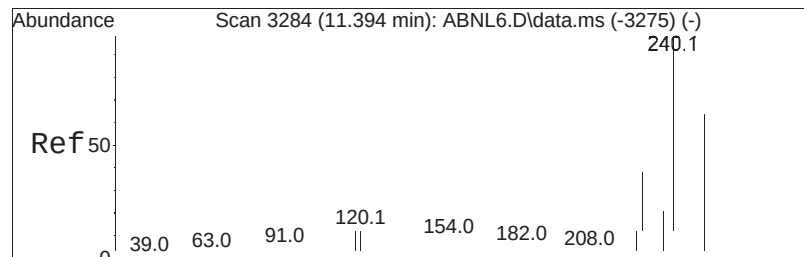




#97
 Butyl benzyl phthalate
 Concen: 1.74 ug/ml
 RT: 10.850 min Scan# 3109
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

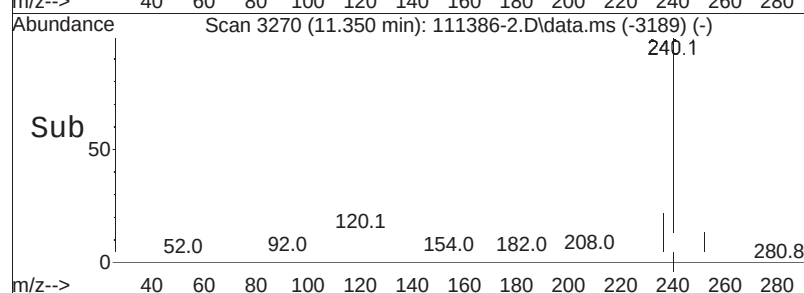
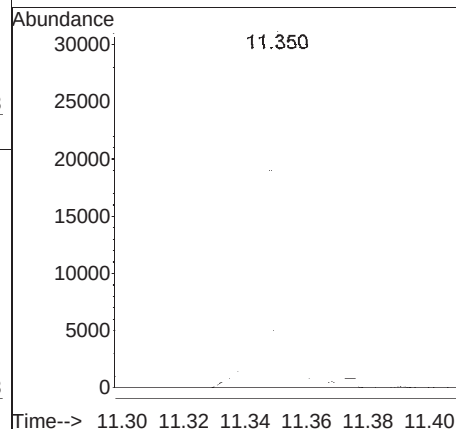
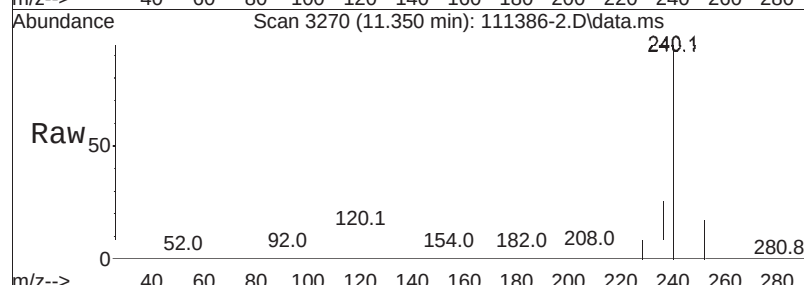
Tgt Ion:	149	Resp:	40761
Ion Ratio	Lower	Upper	
149	100		
91	65.4	63.3	94.9
206	14.7	13.9	20.9

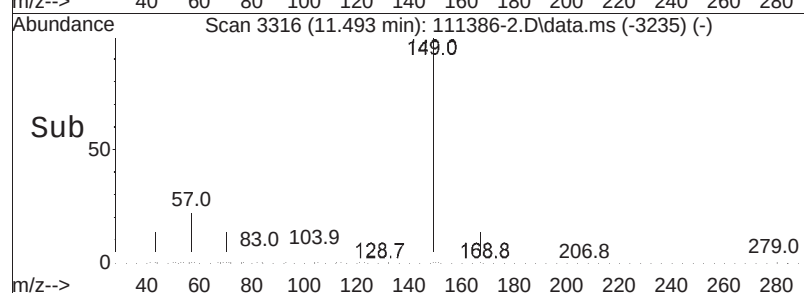
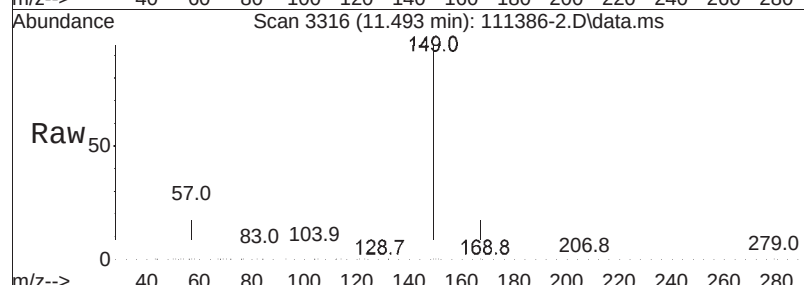
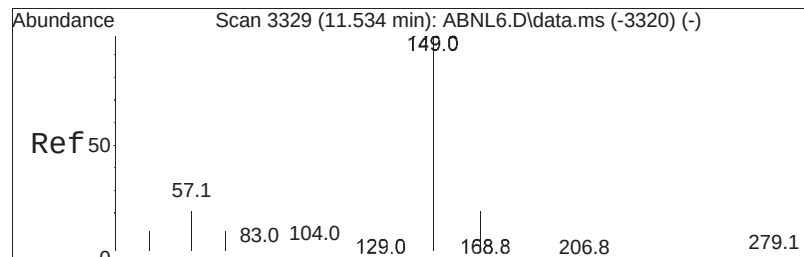




#106
 3,3'-Dichlorobenzidine
 Concen: 1.42 ug/ml
 RT: 11.350 min Scan# 3270
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

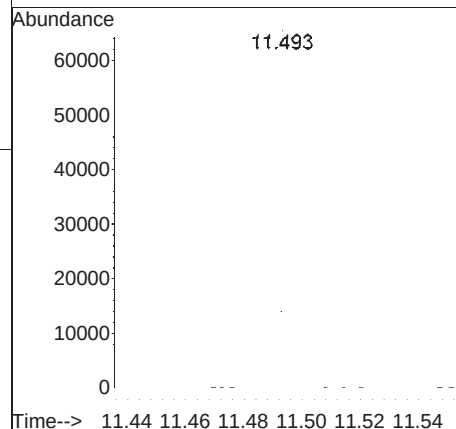
Tgt Ion	Ratio	Lower	Upper
252	100		
126	16.8	14.5	21.7
254	65.0	51.2	76.8

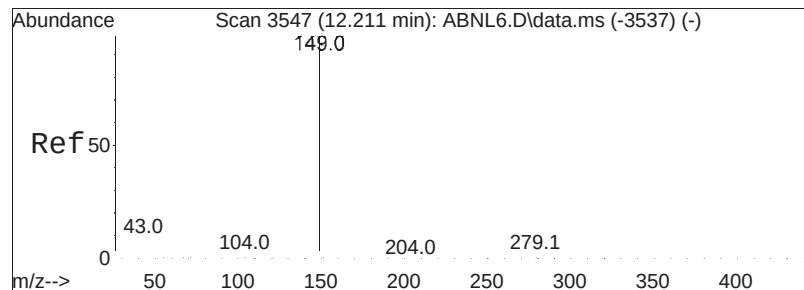




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.75 ug/ml
 RT: 11.493 min Scan# 3316
 Delta R.T. 0.003 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

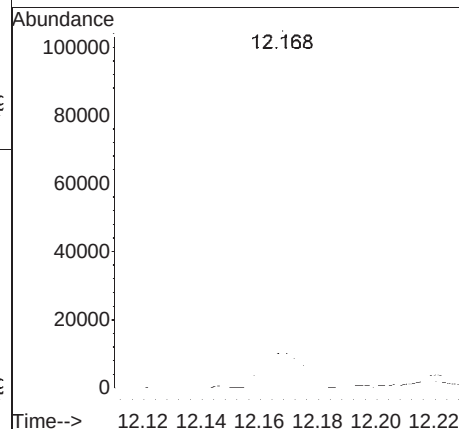
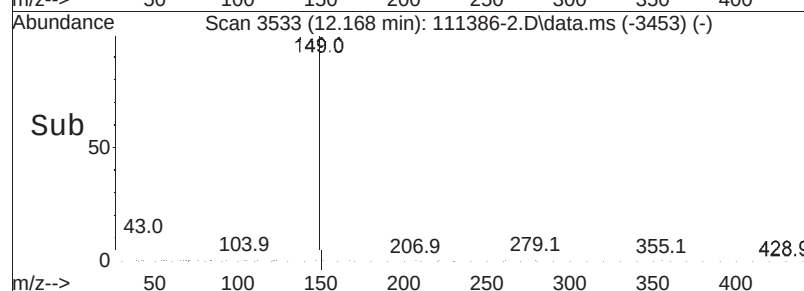
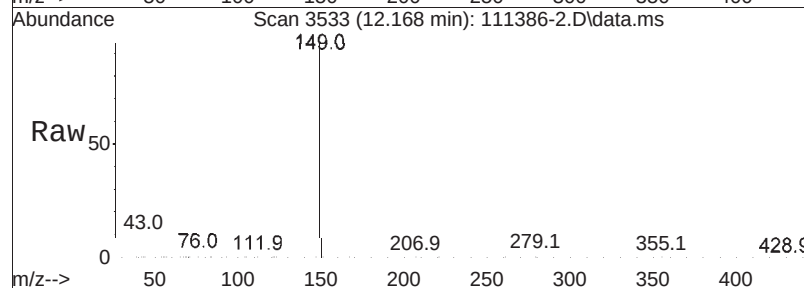
Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	22.3	22.1	33.1
279	2.3	3.0	4.4#





#109
 Di-n-octylphthalate
 Concen: 1.76 ug/ml
 RT: 12.168 min Scan# 3533
 Delta R.T. -0.000 min
 Lab File: 111386-2.D
 Acq: 6 Sep 2025 11:22 am

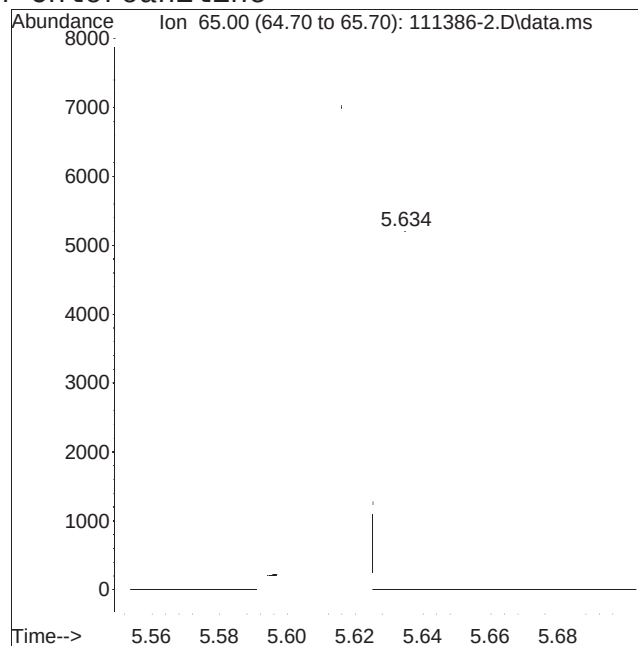
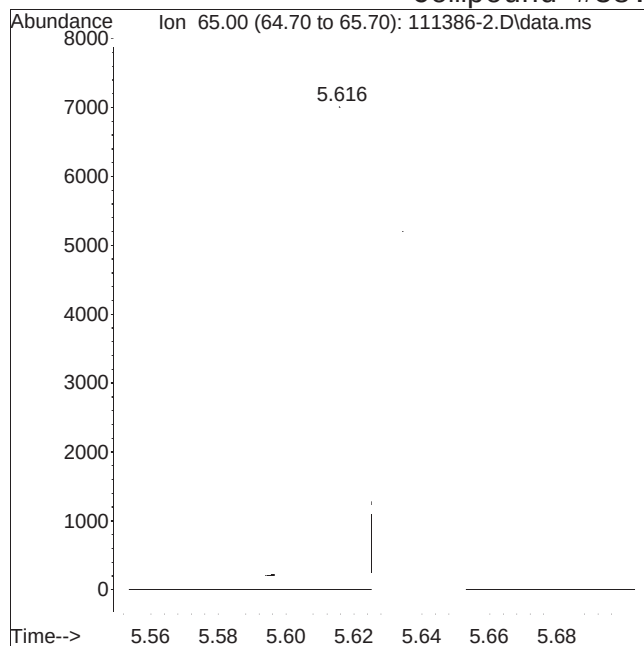
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	107099		
43	9.8		18.8	28.2#
167	1.4		1.3	1.9



Manual Integration Report

Data Path : I:\8270\SV106\250906RVT\ QMethod : FS250827SV106.m
Data File : 111386-2.D Operator : SV106:jg
Date Inj'd : 9/6/2025 11:22 am Instrument : SV 106
Sample : WG2111386-2,32,,gmr Quant Date : 9/6/2025 11:39 am

Compound #38: 4-Chloroaniline



Original Peak Response = 5884

Manual Peak Response = 4158 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-3.D
 Acq On : 6 Sep 2025 11:43 am
 Operator : SV106:jg
 Sample : WG2111386-3,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 18:09:27 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.261	152	41509	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	119.06%		
27) IS2_1,4-Dichlorobenzen...	4.261	152	41509	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	114.55%		
32) IS3_1,4-Dichlorobenzen...	4.261	152	41509	4.000	ug/ml	0.00
Standard Area 2 = 36700			Recovery =	113.10%		
35) IS1_Naphthalene-d8	5.532	136	166161	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	118.73%		
55) IS2_Naphthalene-d8	5.532	136	166161	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	115.91%		
63) IS1_Acenaphthene-d10	7.263	164	96681	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	120.90%		
83) IS2_Acenaphthene-d10	7.263	164	96681	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	116.88%		
86) IS3_Acenaphthene-d10	7.263	164	96681	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	120.94%		
88) IS1_Phenanthrene-d10	8.712	188	184854	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	122.81%		
100) IS3_Phenanthrene-d10	8.712	188	184854	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	117.81%		
104) IS1_Chrysene-d12	11.344	240	180095	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	119.67%		
113) IS1_Perylene-d12	12.808	264	206874	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	125.08%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.934	112	12606	1.098	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	54.90%		
7) Phenol-d6	3.956	99	11613	0.849	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	42.45%		
19) Nitrobenzene-d5	4.826	82	9365	0.736	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	73.60%		
46) 2-Fluorobiphenyl	6.632	172	23553	0.691	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	69.10%		
79) 2,4,6-Tribromophenol	8.040	330	6626	1.414	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	70.70%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-3.D
 Acq On : 6 Sep 2025 11:43 am
 Operator : SV106:jg
 Sample : WG2111386-3,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 18:09:27 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.315	244	33363	0.735	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	73.50%
Target Compounds						Qvalue
6) 2-Chlorophenol	4.049	128	19505	1.411	ug/ml#	89
8) Phenol	3.969	94	13395	0.896	ug/ml	94
14) Bis(2-chloroisopropyl)...	4.590	45	27621	1.426	ug/ml#	60
15) 2-Methylphenol	4.578	108	16006	1.397	ug/ml	95
17) n-Nitrosodi-n-propylamine	4.715	70	12702	1.503	ug/ml	94
18) 3-Methylphenol/4-Methy...	4.739	108	17262	1.378	ug/ml	98
20) Nitrobenzene	4.845	77	18712	1.431	ug/ml	97
21) Isophorone	5.097	82	35185	1.477	ug/ml	96
22) 2-Nitrophenol	5.168	139	9486	1.428	ug/ml#	89
23) 2,4-Dimethylphenol	5.265	107	18479	1.401	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.352	93	23911	1.490	ug/ml#	96
25) 2,4-Dichlorophenol	5.417	162	18582	1.531	ug/ml	95
28) Benzaldehyde	3.810	105	16481	2.463	ug/ml	86
29) Acetophenone	4.687	105	29965	1.516	ug/ml#	77
38) 4-Chloroaniline	5.635	65	5255	1.081	ug/ml	78
40) p-Chloro-m-cresol	6.154	107	18313	1.553	ug/ml	95
43) Hexachlorocyclopentadiene	6.424	237	9762	0.925	ug/ml	98
44) 2,4,6-Trichlorophenol	6.545	196	13325	1.504	ug/ml	95
45) 2,4,5-Trichlorophenol	6.576	196	15670	1.576	ug/ml	98
48) 2-Nitroaniline	6.837	138	13697	1.600	ug/ml#	79
51) Dimethyl phthalate	7.052	163	52351	1.471	ug/ml#	98
53) 2,6-Dinitrotoluene	7.089	165	10235	1.474	ug/ml#	78
60) Caprolactam	5.939	55	4008	0.681	ug/ml#	70
61) 1,2,4,5-Tetrachloroben...	6.421	216	18295	1.180	ug/ml	97
62) Biphenyl	6.719	154	51108	1.322	ug/ml	98
64) 3-Nitroaniline	7.245	138	11535	1.397	ug/ml#	90
66) 2,4-Dinitrophenol	7.347	184	4558	1.139	ug/ml	94
67) Dibenzofuran	7.468	168	65077	1.460	ug/ml	92
68) 2,4-Dinitrotoluene	7.481	165	13876	1.493	ug/ml	97
69) 4-Nitrophenol	7.450	65	6387	1.110	ug/ml#	78
72) Diethyl phthalate	7.754	149	53585	1.462	ug/ml	99
74) 4-Chlorophenyl phenyl ...	7.829	204	23662	1.422	ug/ml	90
75) 4-Nitroaniline	7.835	138	12557	1.542	ug/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-3.D
 Acq On : 6 Sep 2025 11:43 am
 Operator : SV106:jg
 Sample : WG2111386-3,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 18:09:27 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4,6-Dinitro-o-cresol	7.872	198	6997	1.354	ug/ml#	67
77)	NDPA/DPA	7.950	169	44208	1.512	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.304	248	14346	1.399	ug/ml#	84
87)	Atrazine	8.503	200	14975	1.666	ug/ml	94
91)	Carbazole	8.960	167	78723	1.575	ug/ml	98
92)	Di-n-butylphthalate	9.374	149	91389	1.562	ug/ml#	99
97)	Butyl benzyl phthalate	10.847	149	39979	1.635	ug/ml	88
106)	3,3'-Dichlorobenzidine	11.347	252	29905	1.431	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.490	149	61372	1.610	ug/ml#	91
109)	Di-n-octylphthalate	12.168	149	105049	1.644	ug/ml#	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

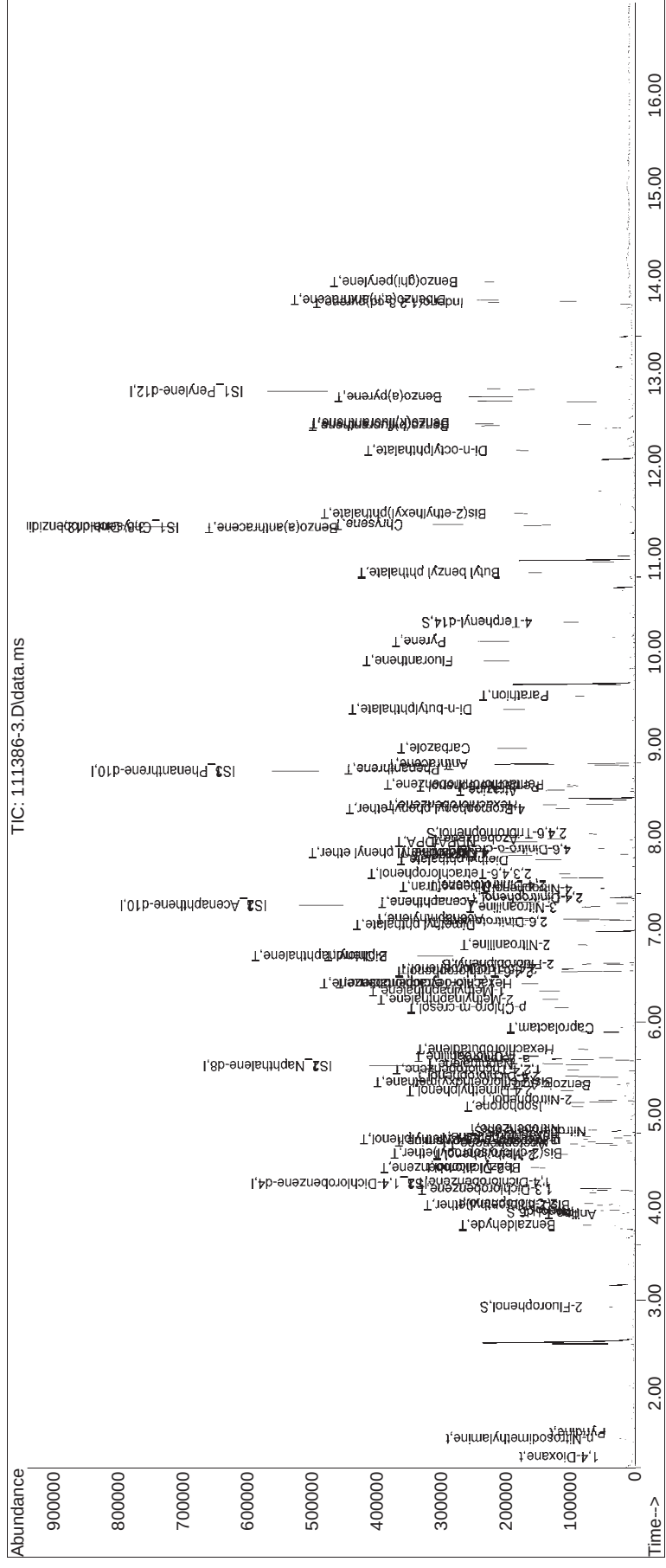
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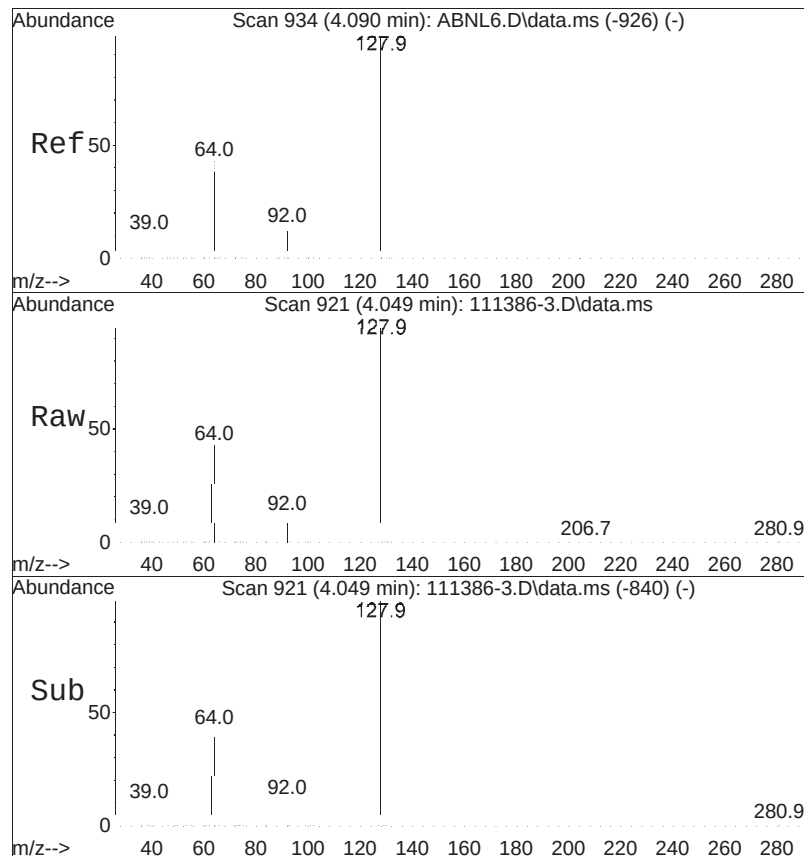
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Data File     : 111386-3.D
Acq On        : 6 Sep 2025 11:43 am
Operator      : SV106:jg
Sample        : WG2111386-3,32,,gmr
Misc          : WG2111447,WG2111386,ical
ALS Vial      : 9 Sample Multiplier: 1

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Quant Time: Sep 10 18:09:27 2025
Quant Method : I:\8270\SV106\250
Quant Title : Semivolatiles by
Qlast Update : Sat Sep 06 08:56:
Response via : Initial Calibration

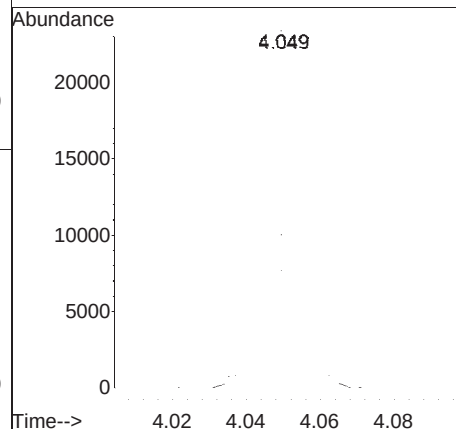
Sub List : 8270IC\8RZQ\SV1W6\26W9M

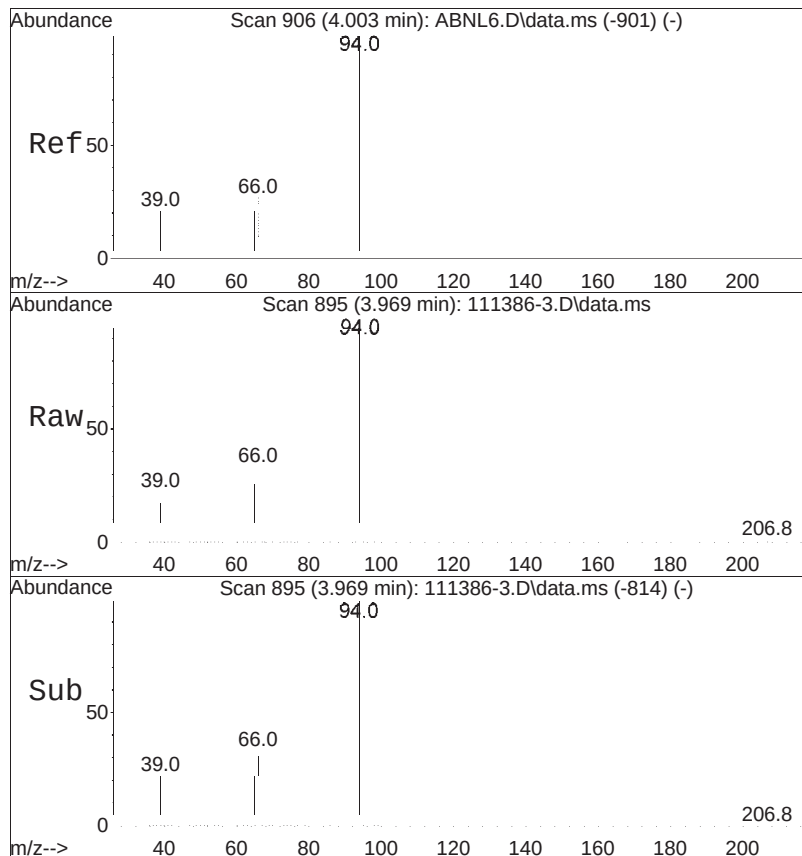




#6
 2-Chlorophenol
 Concen: 1.41 ug/ml
 RT: 4.049 min Scan# 921
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

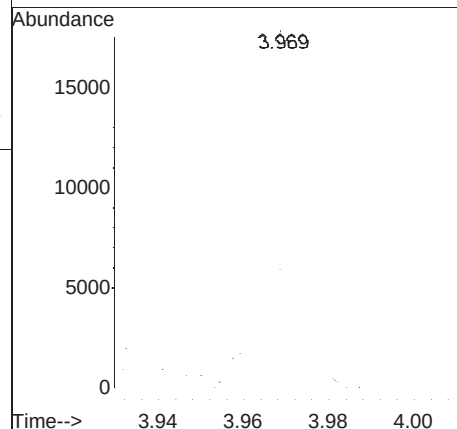
Tgt	Ion:128	Resp:	19505
Ion	Ratio	Lower	Upper
128	100		
64	43.6	45.1	67.7#
130	32.3	26.2	39.4

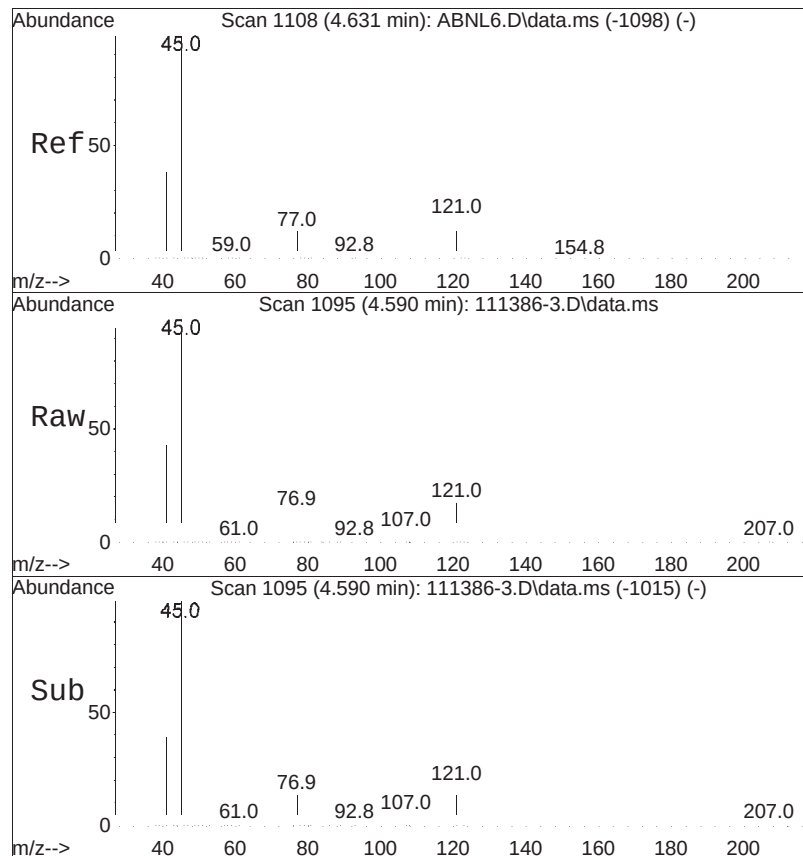




#8
 Phenol
 Concen: 0.90 ug/ml
 RT: 3.969 min Scan# 895
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

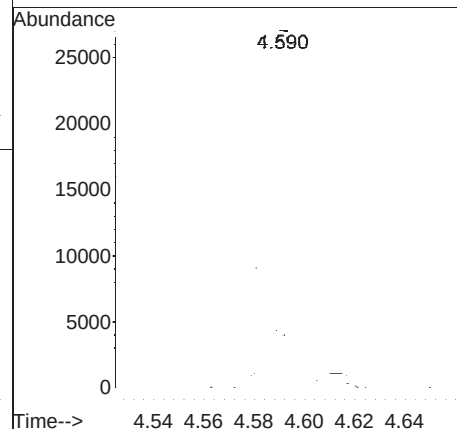
Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.7	26.0	39.0
66	37.6	33.8	50.8

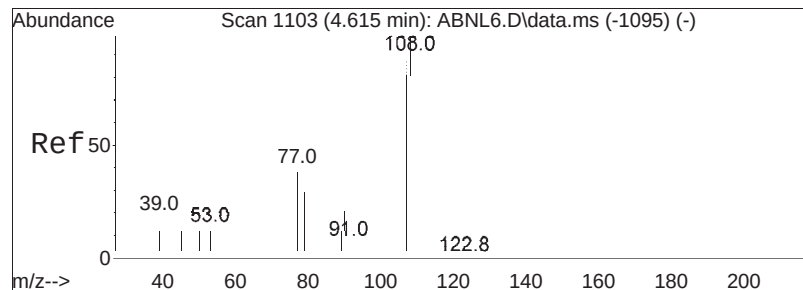




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.43 ug/ml
 RT: 4.590 min Scan# 1095
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

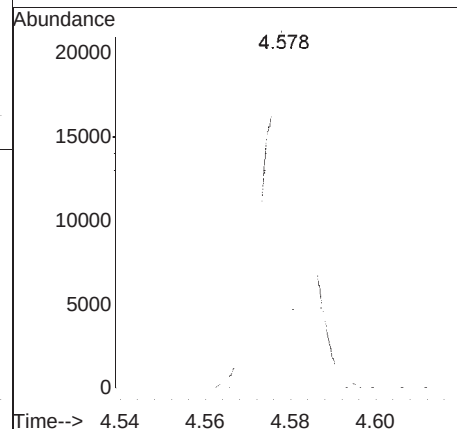
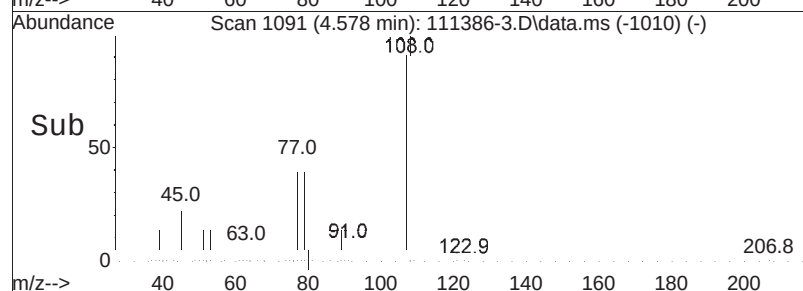
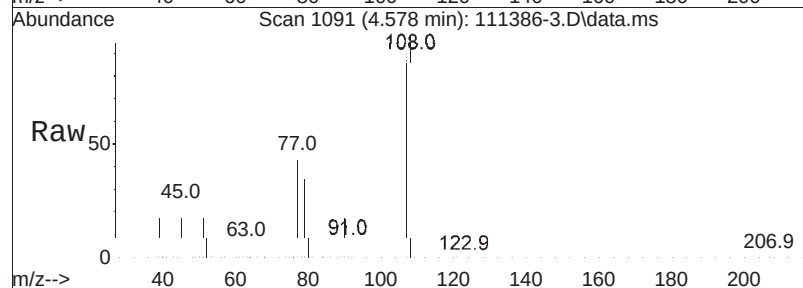
Tgt Ion:	45	Resp:	27621
Ion Ratio	Lower	Upper	
45	100		
121	17.5	9.8	14.6#
77	36.5	6.1	9.1#

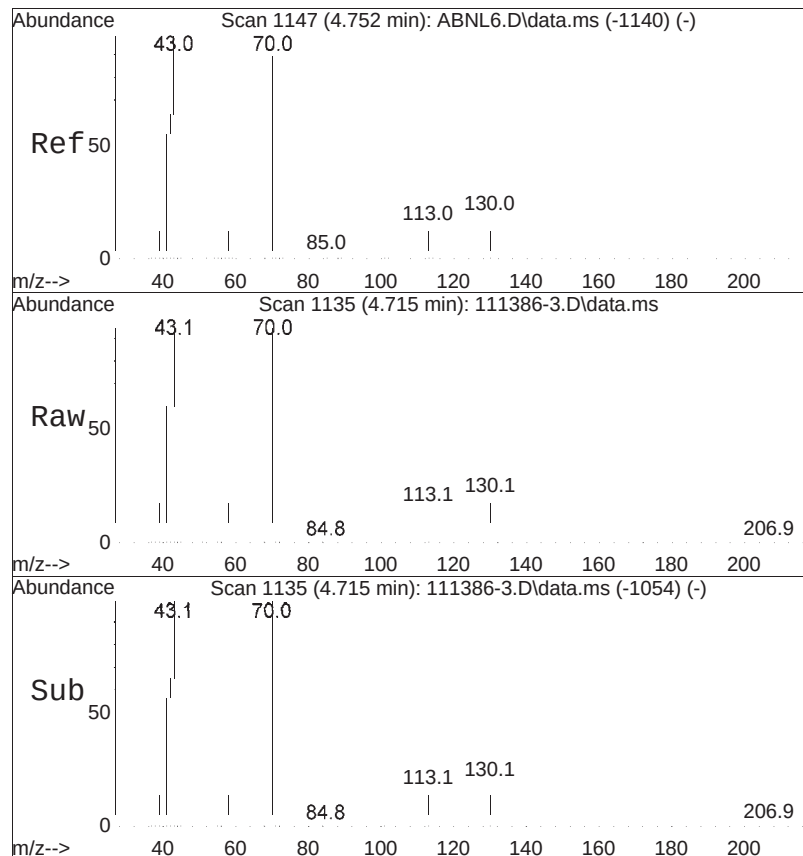




#15
 2-Methylphenol
 Concen: 1.40 ug/ml
 RT: 4.578 min Scan# 1091
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

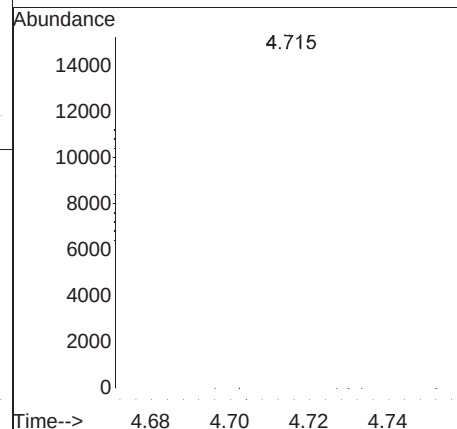
Tgt Ion	Ratio	Lower	Upper
108	100		
107	94.3	70.7	106.1
90	23.3	18.7	28.1

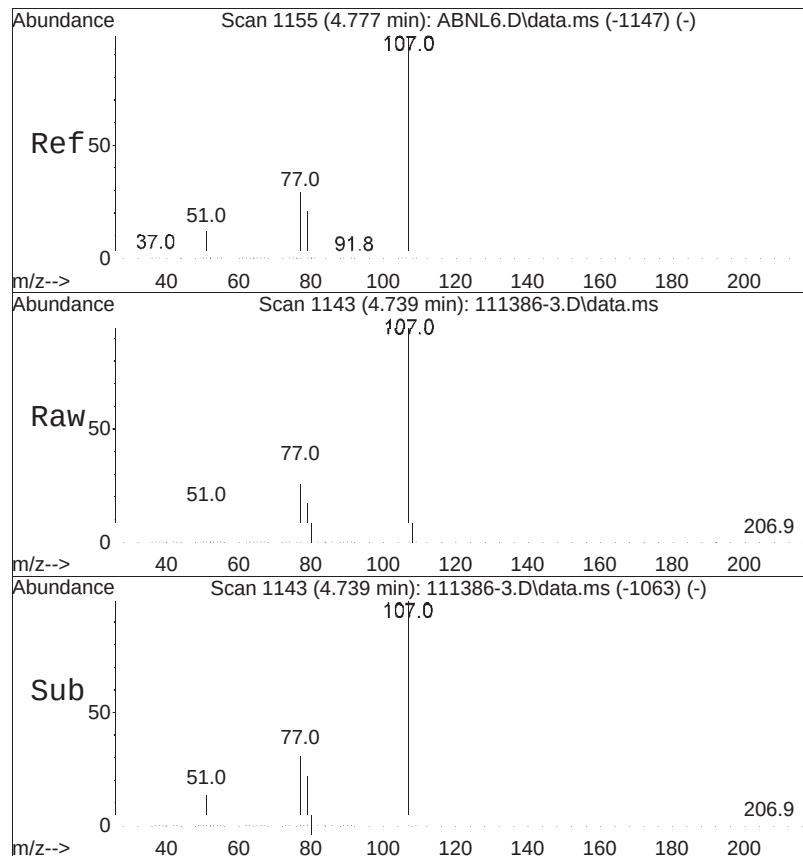




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.50 ug/ml
 RT: 4.715 min Scan# 1135
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

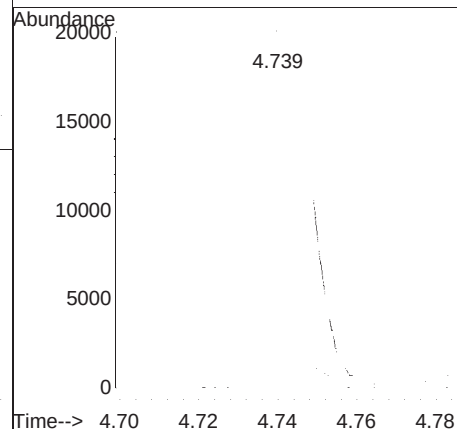
Tgt Ion:	70	Resp:	12702
Ion Ratio	Lower	Upper	
70	100		
130	19.3	18.2	27.4
101	8.7	7.8	11.8

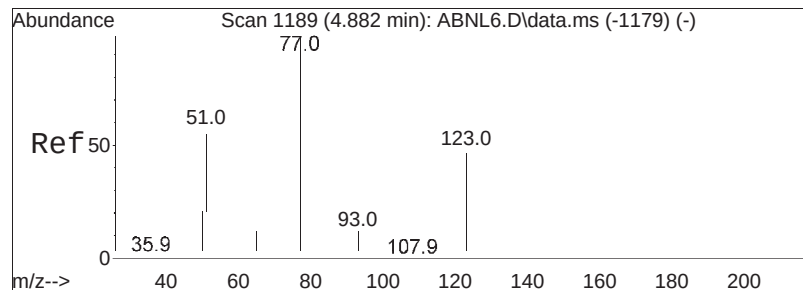




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.38 ug/ml
 RT: 4.739 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

Tgt Ion:	108	Resp:	17262
Ion Ratio	Lower	Upper	
108	100		
107	112.5	88.6	132.8
90	11.2	8.8	13.2





#20

Nitrobenzene

Concen: 1.43 ug/ml

RT: 4.845 min Scan# 1177

Delta R.T. 0.003 min

Lab File: 111386-3.D

Acq: 6 Sep 2025 11:43 am

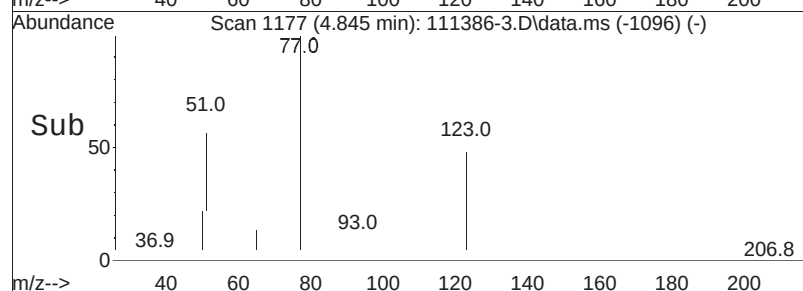
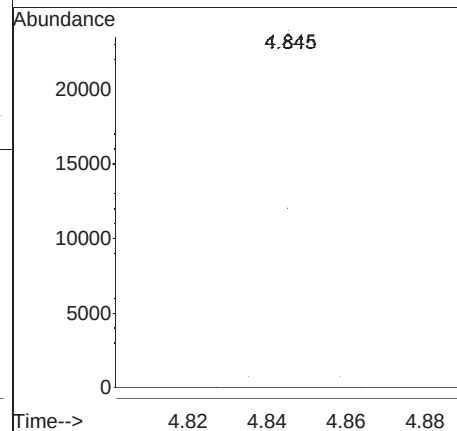
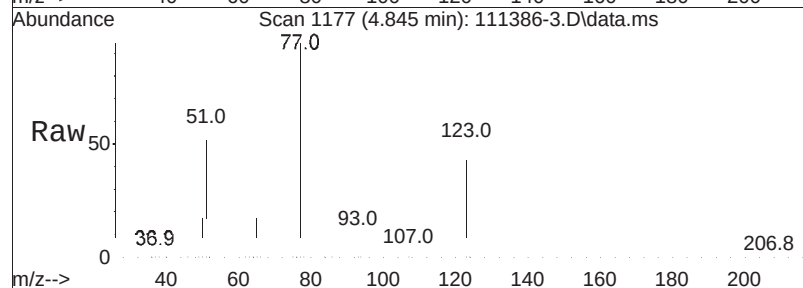
Tgt Ion: 77 Resp: 18712

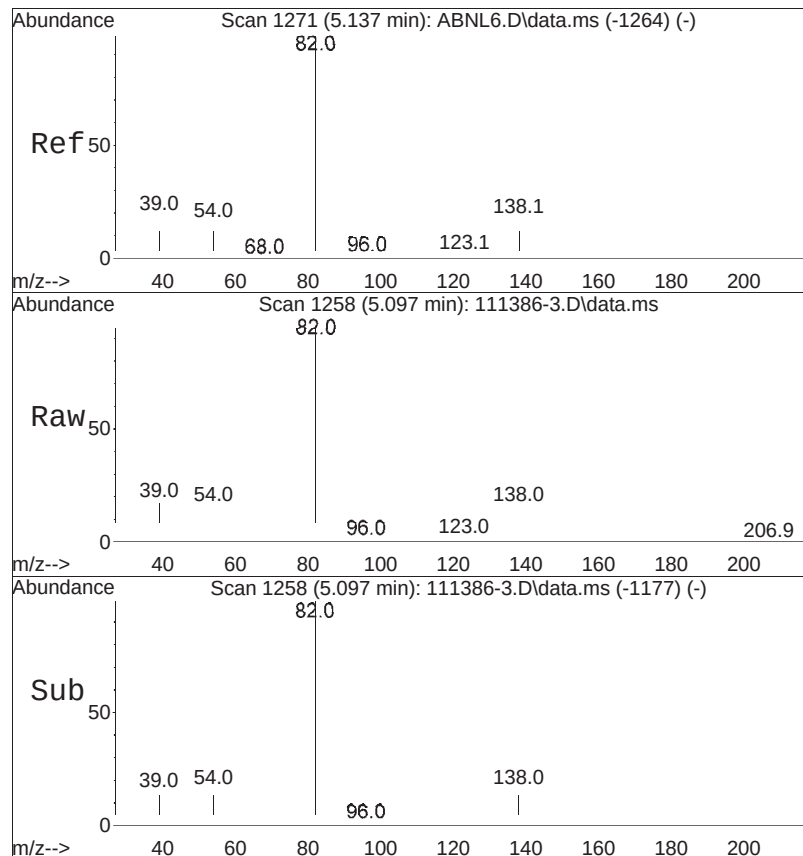
Ion Ratio Lower Upper

77 100

123 47.9 36.3 54.5

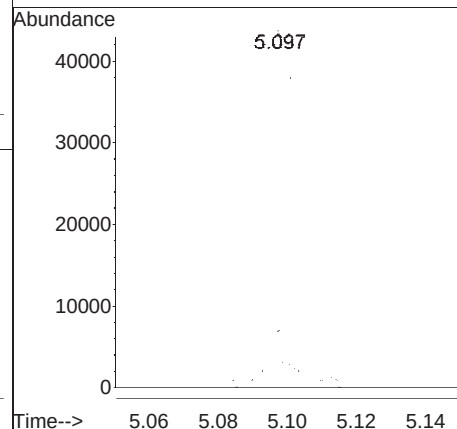
65 14.3 11.6 17.4

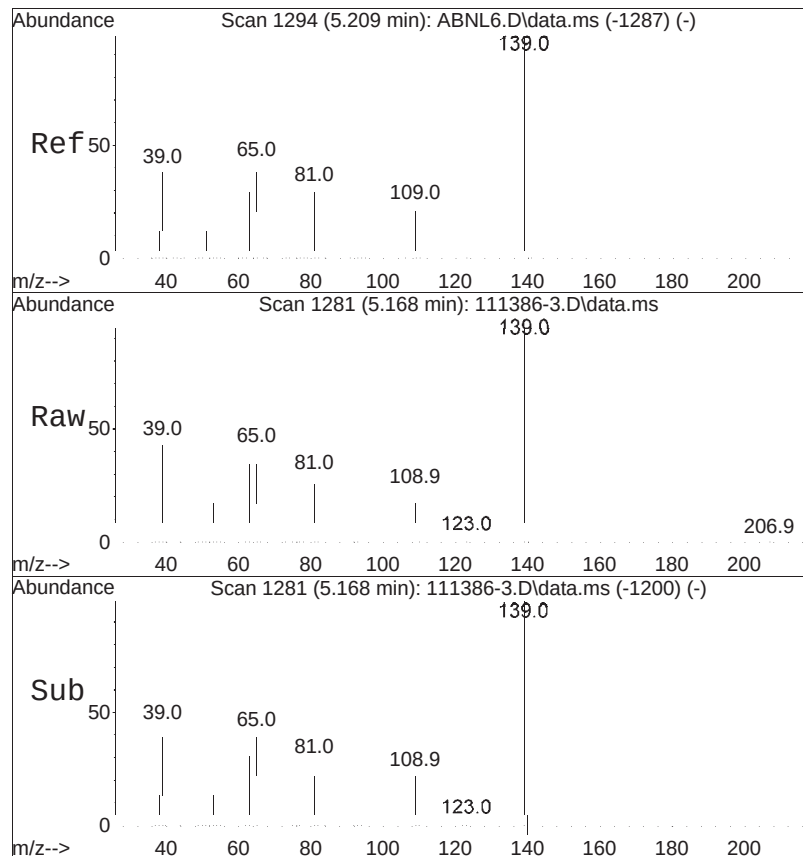




#21
 Isophorone
 Concen: 1.48 ug/ml
 RT: 5.097 min Scan# 1258
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

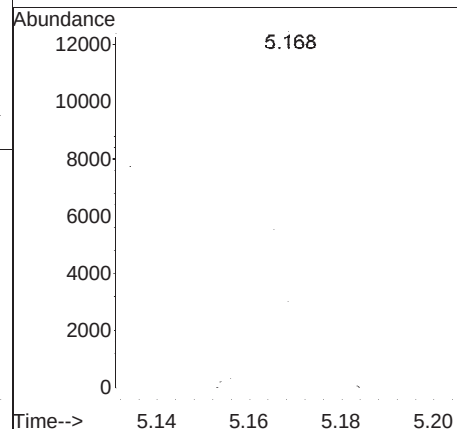
Tgt Ion	Ratio	Lower	Upper
82	100		
138	16.7	14.7	22.1
95	7.3	5.2	7.8

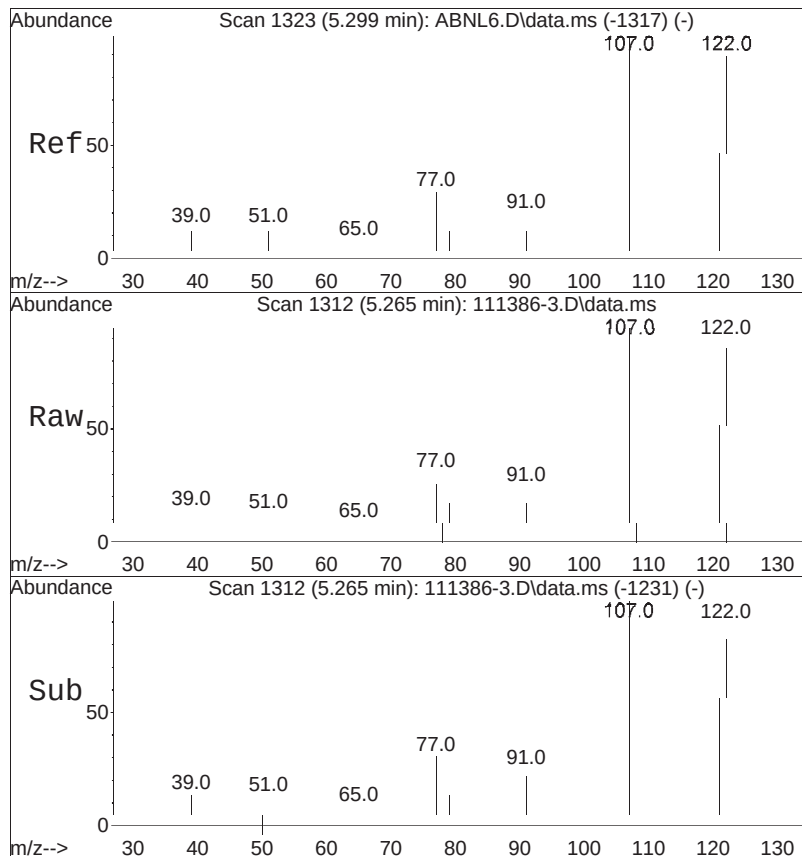




#22
 2-Nitrophenol
 Concen: 1.43 ug/ml
 RT: 5.168 min Scan# 1281
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

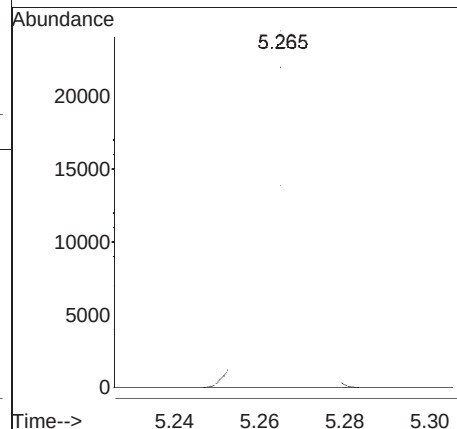
Tgt Ion:	139	Resp:	9486
Ion Ratio	Lower	Upper	
139	100		
109	24.5	19.4	29.0
65	45.8	46.1	69.1#

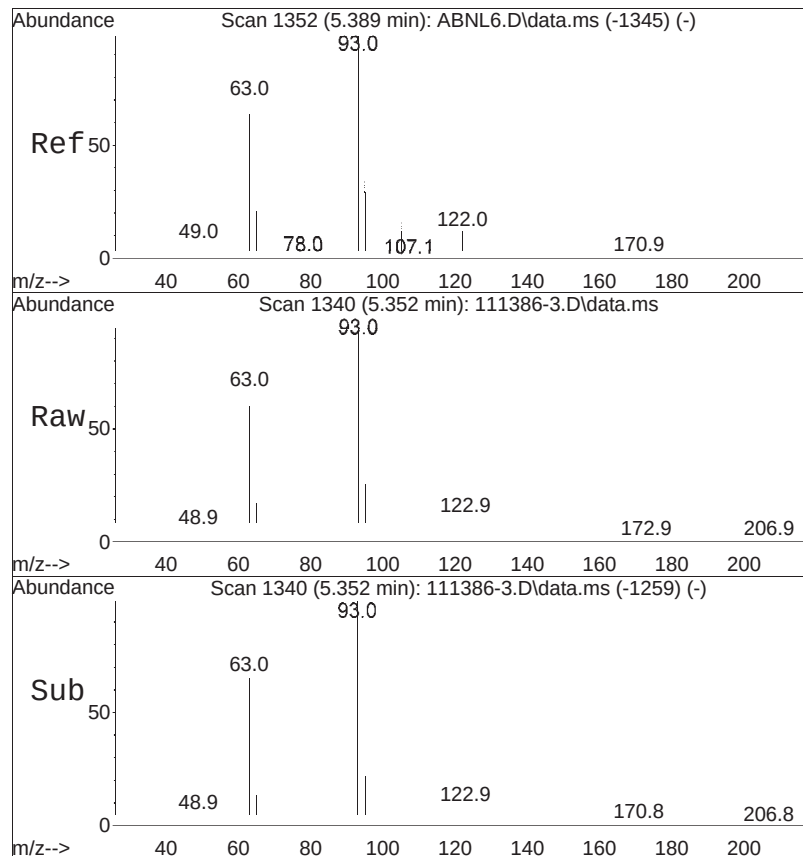




#23
 2,4-Dimethylphenol
 Concen: 1.40 ug/ml
 RT: 5.265 min Scan# 1312
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

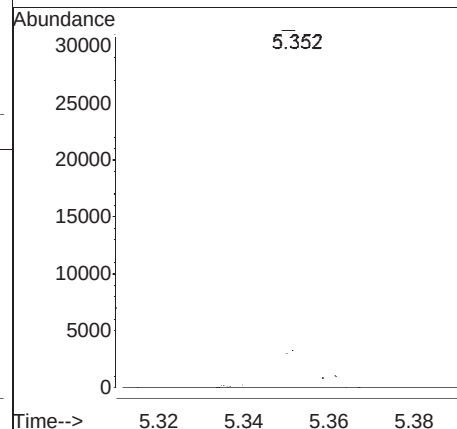
Tgt Ion	Ratio	Lower	Upper
107	100		
121	54.8	40.0	60.0
122	89.0	70.2	105.4

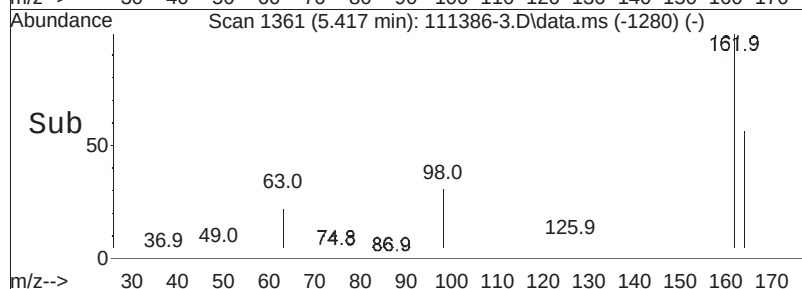
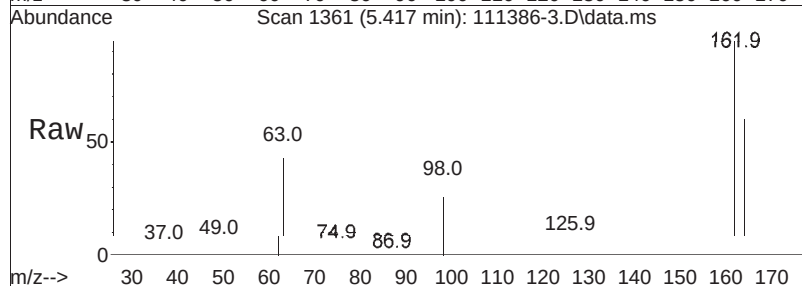
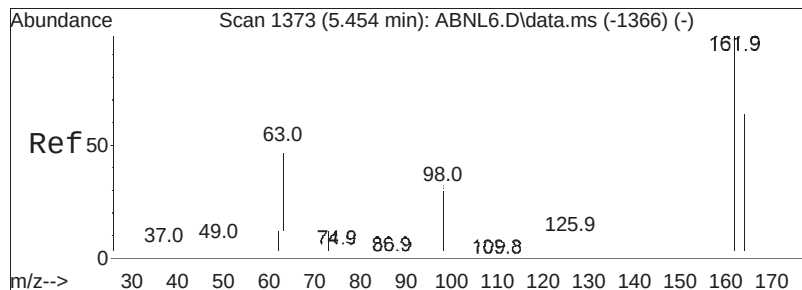




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.49 ug/ml
 RT: 5.352 min Scan# 1340
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

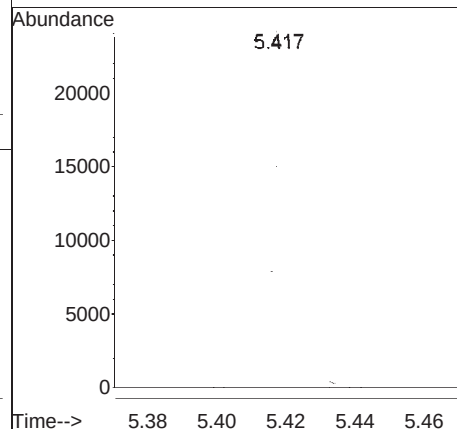
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	23911		
95	33.6		25.8	38.8
123	9.8		10.1	15.1#

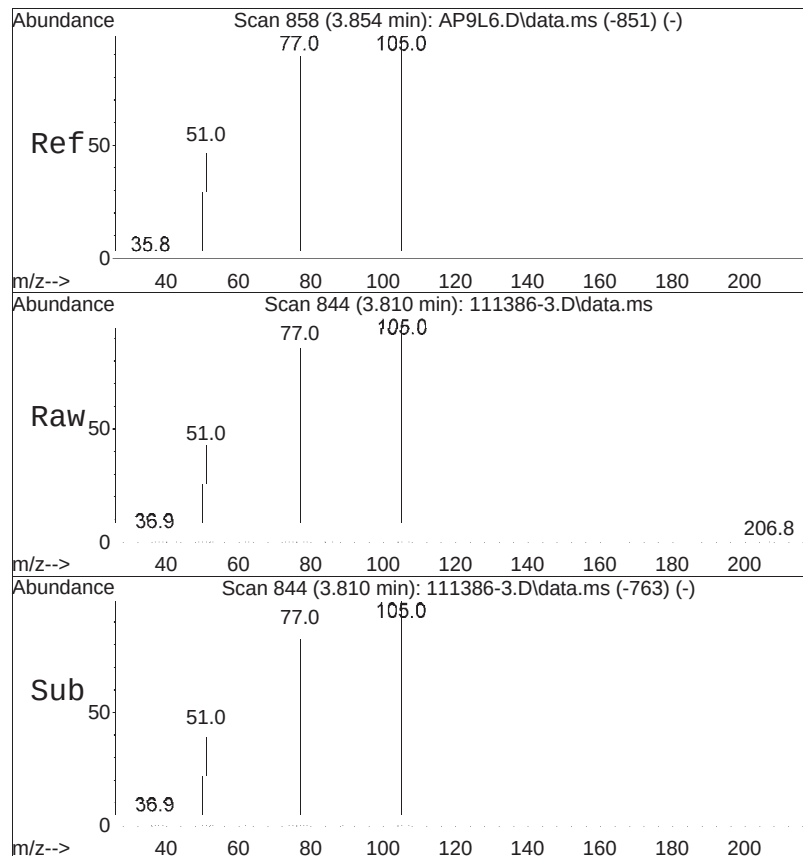




#25
 2,4-Dichlorophenol
 Concen: 1.53 ug/ml
 RT: 5.417 min Scan# 1361
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

Tgt Ion:	162	Resp:	18582
Ion Ratio	Lower	Upper	
162	100		
164	62.6	51.0	76.4
98	33.3	32.2	48.2





#28

Benzaldehyde

Concen: 2.46 ug/ml

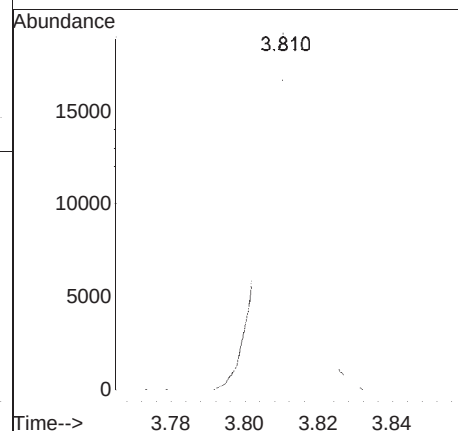
RT: 3.810 min Scan# 844

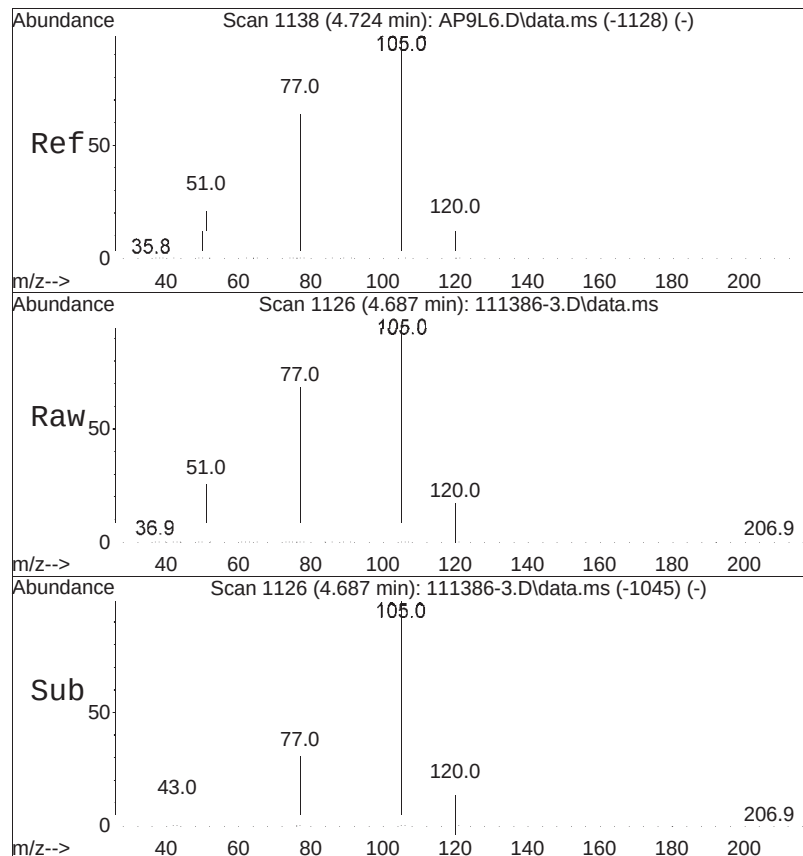
Delta R.T. 0.003 min

Lab File: 111386-3.D

Acq: 6 Sep 2025 11:43 am

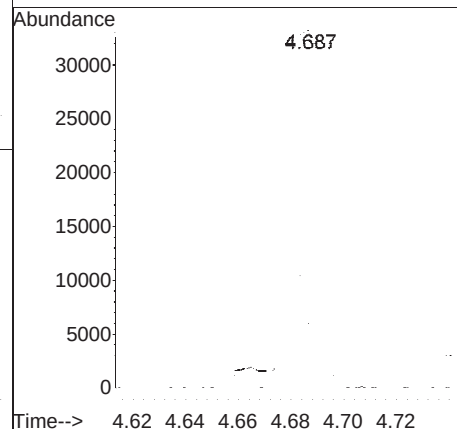
Tgt Ion	105	Resp	16481
Ion Ratio	Lower	Upper	
105	100		
77	88.4	82.2	123.4

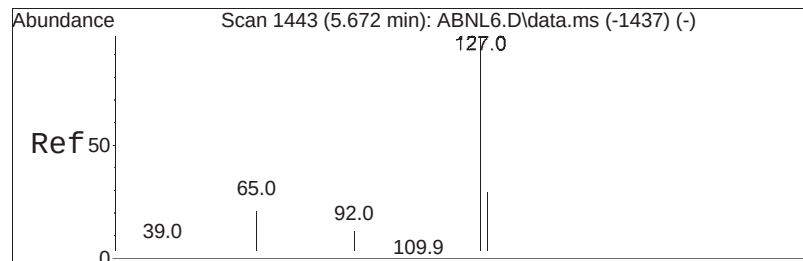




#29
 Acetophenone
 Concen: 1.52 ug/ml
 RT: 4.687 min Scan# 1126
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

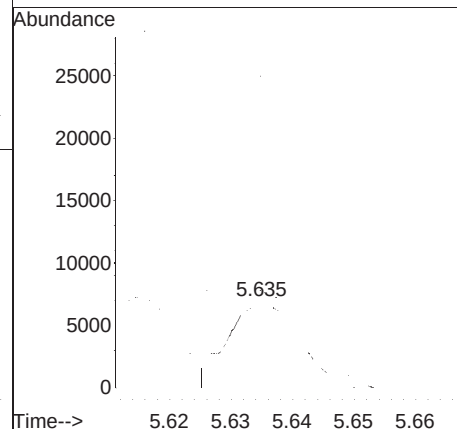
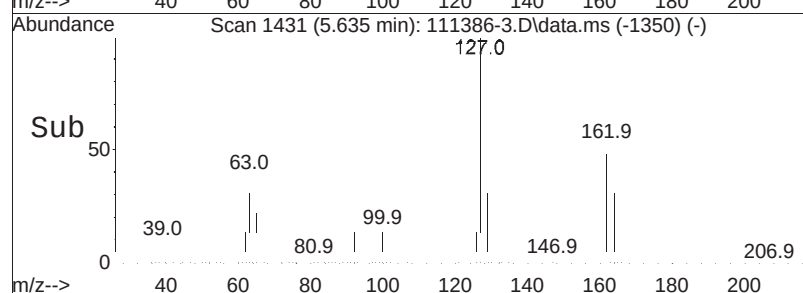
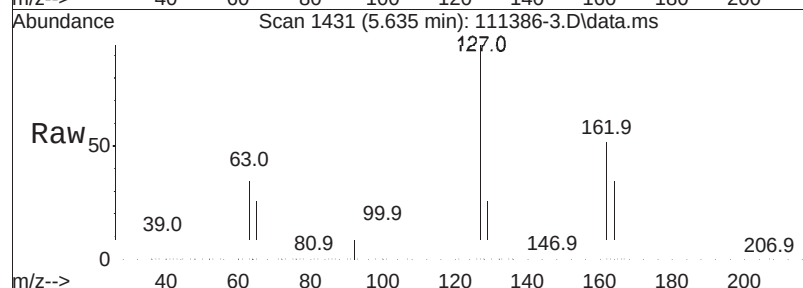
Tgt Ion:	105	Resp:	29965
Ion Ratio	Lower	Upper	
105	100		
120	16.3	20.5	30.7#
51	26.9	34.9	52.3#

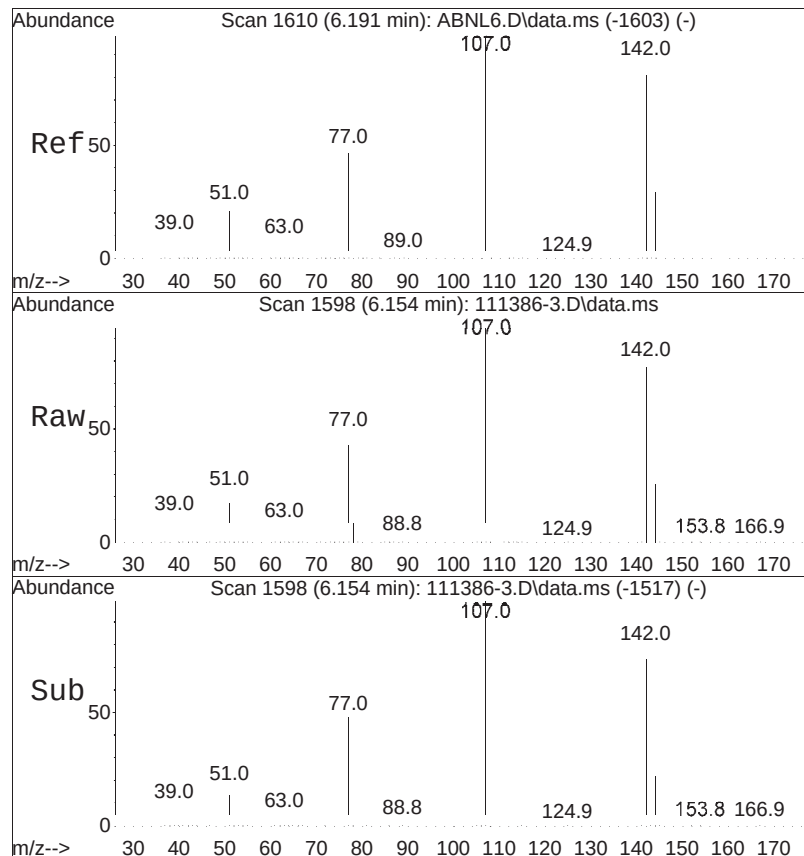




#38
 4-Chloroaniline
 Concen: 1.08 ug/ml
 RT: 5.635 min Scan# 1431
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

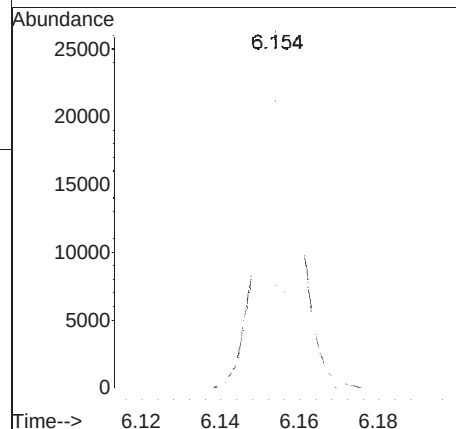
Tgt Ion	Ratio	Lower	Upper
65	100		
127	345.3	237.6	356.4
129	109.6	76.3	114.5

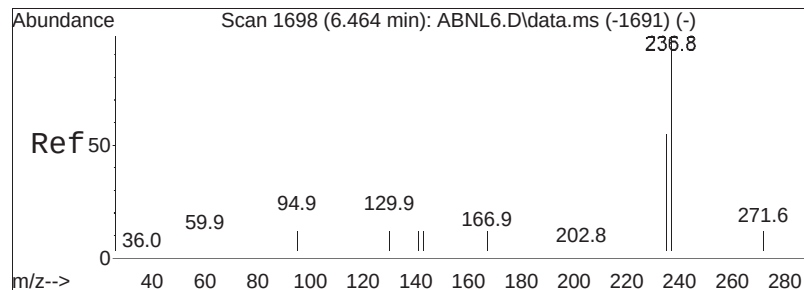




#40
 p-Chloro-m-cresol
 Concen: 1.55 ug/ml
 RT: 6.154 min Scan# 1598
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

Tgt Ion:	107	Resp:	18313
Ion Ratio	Lower	Upper	
107	100		
144	28.7	20.9	31.3
142	86.8	66.1	99.1





#43

Hexachlorocyclopentadiene

Concen: 0.92 ug/ml

RT: 6.424 min Scan# 1685

Delta R.T. 0.003 min

Lab File: 111386-3.D

Acq: 6 Sep 2025 11:43 am

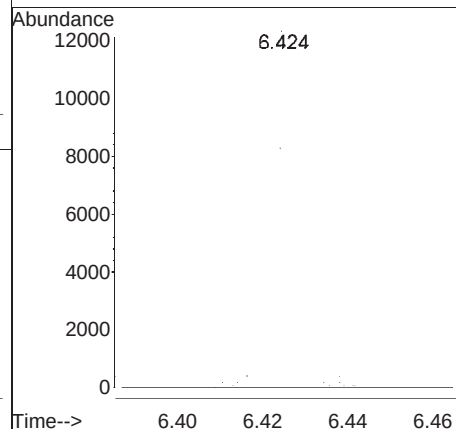
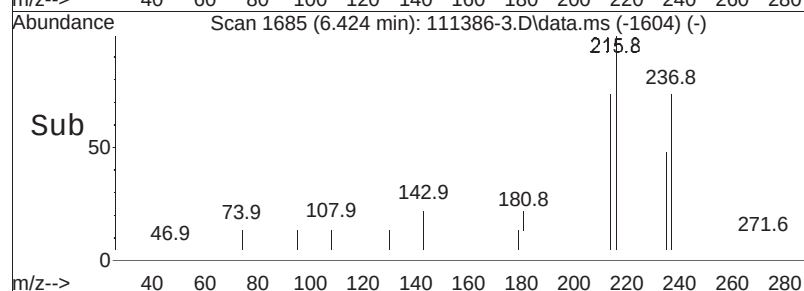
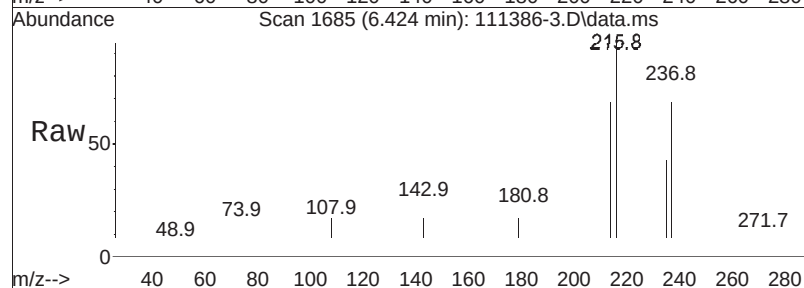
Tgt Ion: 237 Resp: 9762

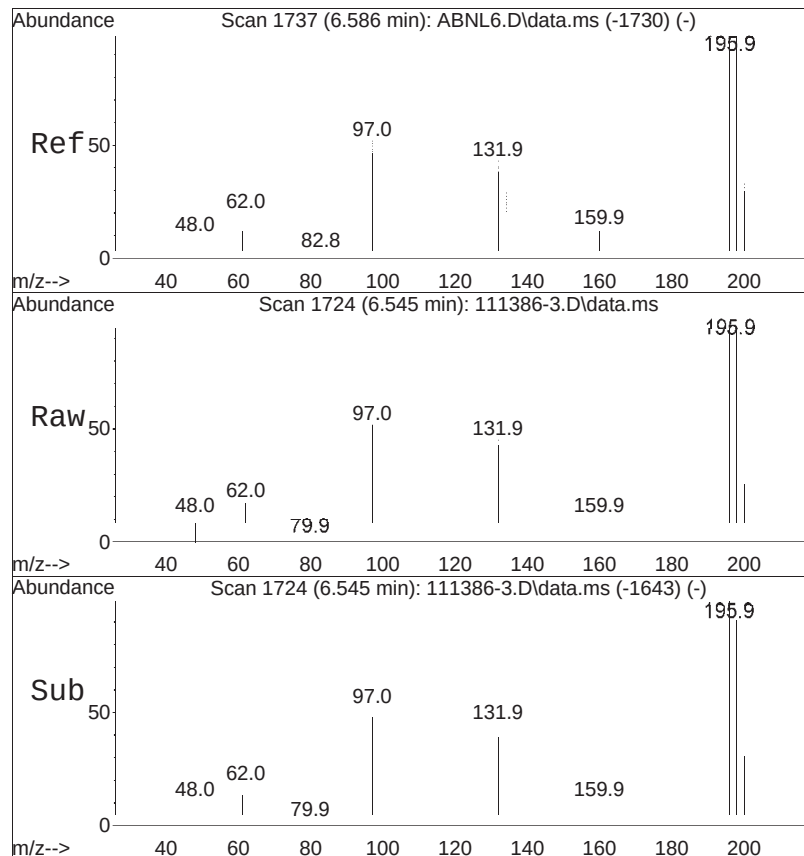
Ion Ratio Lower Upper

237 100

235 63.8 49.7 74.5

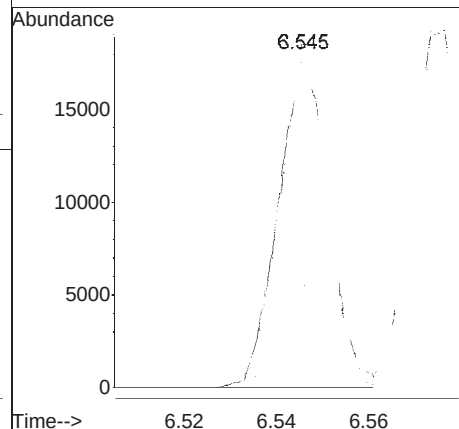
272 11.8 9.8 14.6

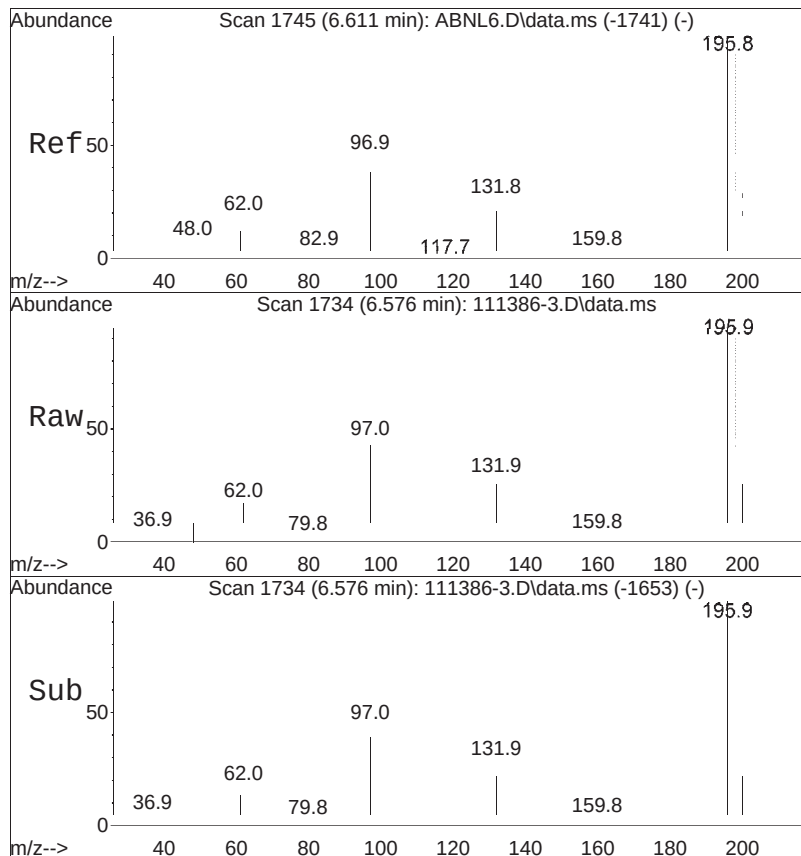




#44
 2,4,6-Trichlorophenol
 Concen: 1.50 ug/ml
 RT: 6.545 min Scan# 1724
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

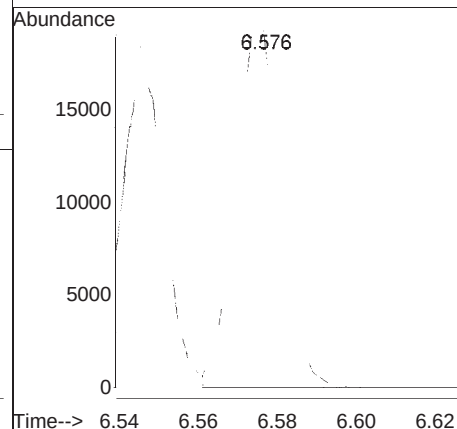
Tgt Ion:	196	Resp:	13325
Ion Ratio	Lower	Upper	
196	100		
198	100.7	77.5	116.3
200	33.4	23.8	35.6

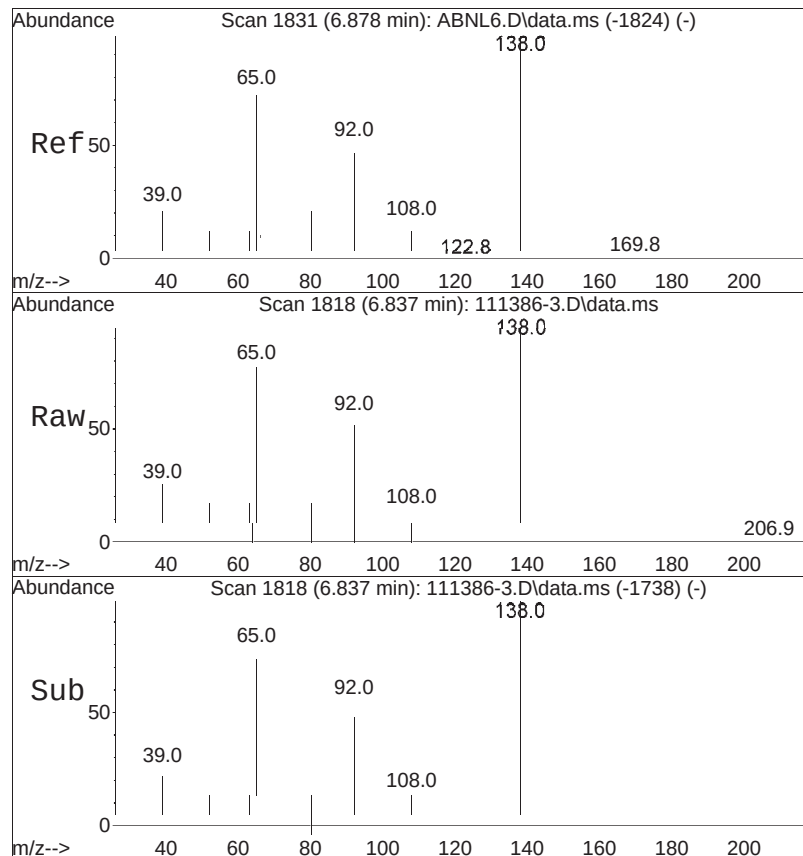




#45
 2,4,5-Trichlorophenol
 Concen: 1.58 ug/ml
 RT: 6.576 min Scan# 1734
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

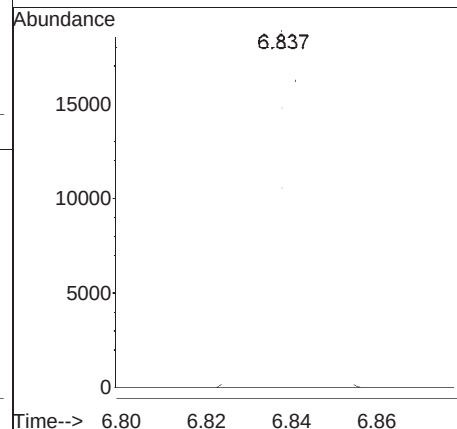
Tgt Ion	Ratio	Lower	Upper
196	100		
200	30.3	25.4	38.0
198	95.7	78.0	117.0

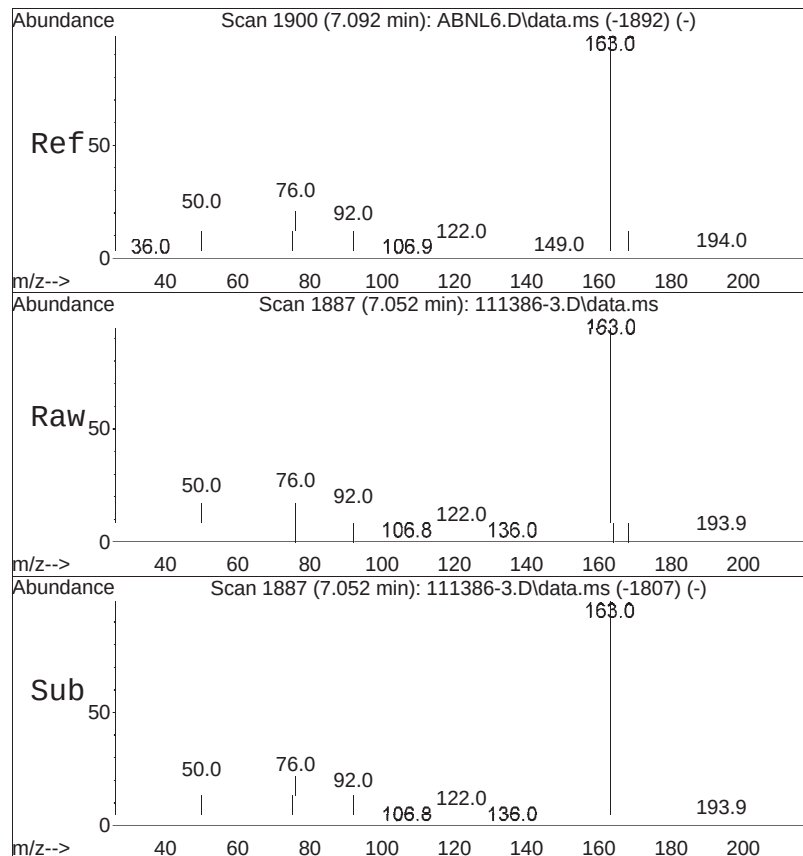




#48
 2-Nitroaniline
 Concen: 1.60 ug/ml
 RT: 6.837 min Scan# 1818
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

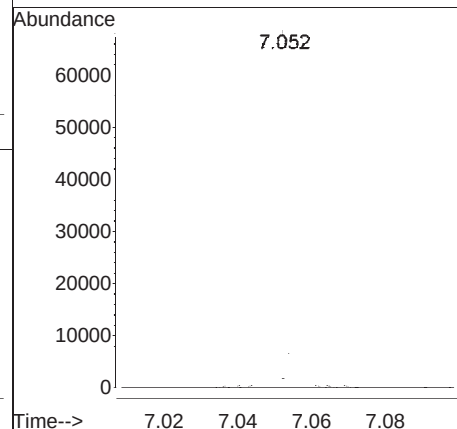
Tgt	Ion:138	Resp:	13697
Ion	Ratio	Lower	Upper
138	100		
92	57.2	53.5	80.3
65	80.9	86.3	129.5#

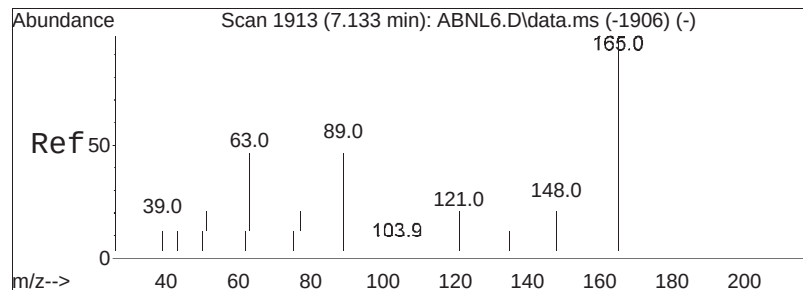




#51
 Dimethyl phthalate
 Concen: 1.47 ug/ml
 RT: 7.052 min Scan# 1887
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

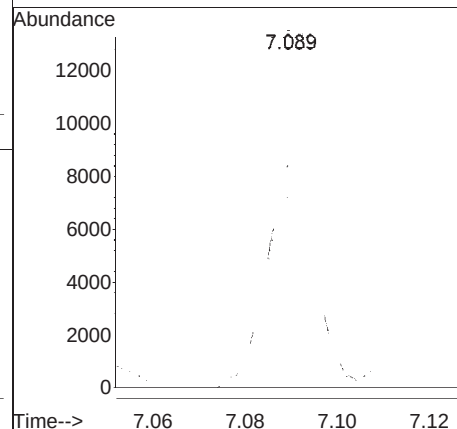
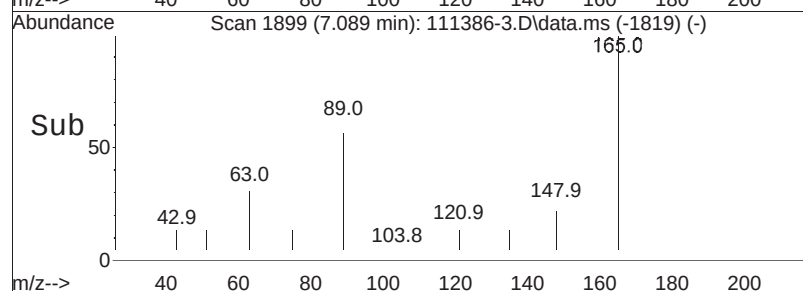
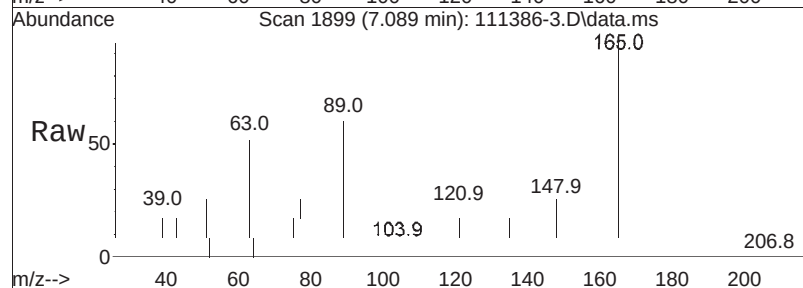
Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.5	5.3#
164	10.3	7.9	11.9

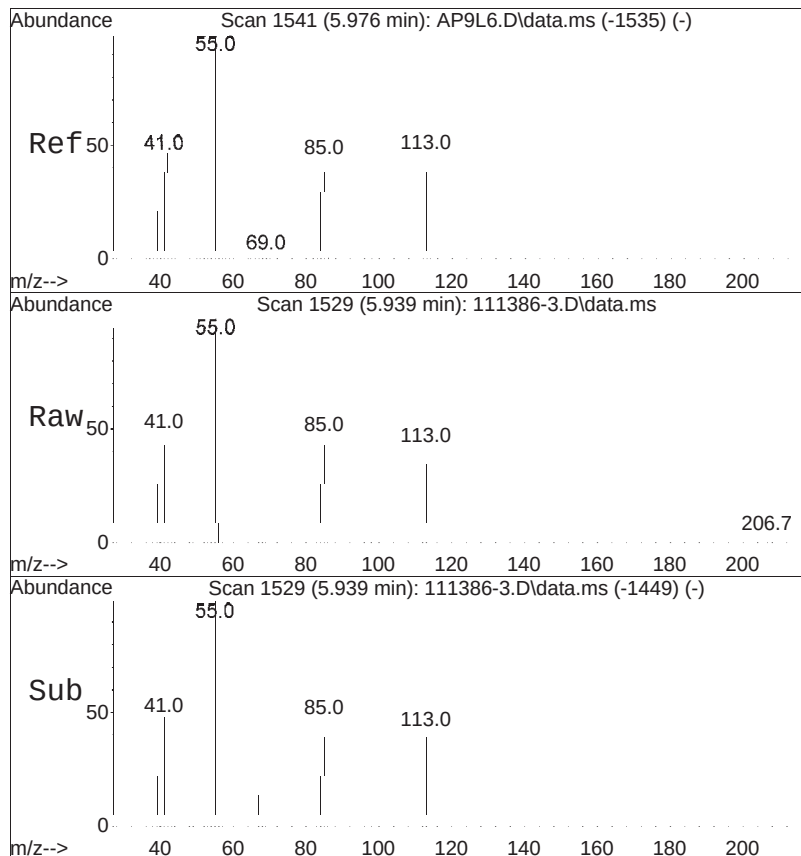




#53
 2,6-Dinitrotoluene
 Concen: 1.47 ug/ml
 RT: 7.089 min Scan# 1899
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

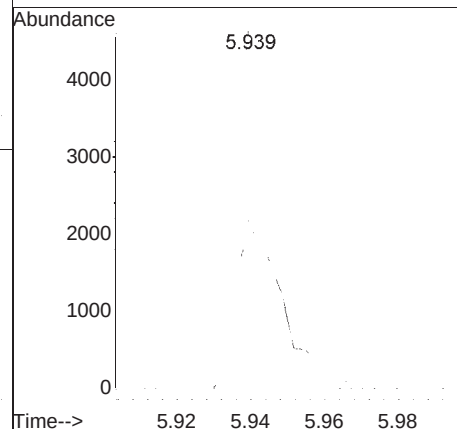
Tgt Ion:	165	Resp:	10235
Ion Ratio	Lower	Upper	
165	100		
89	57.0	54.2	81.2
63	54.9	64.2	96.2#

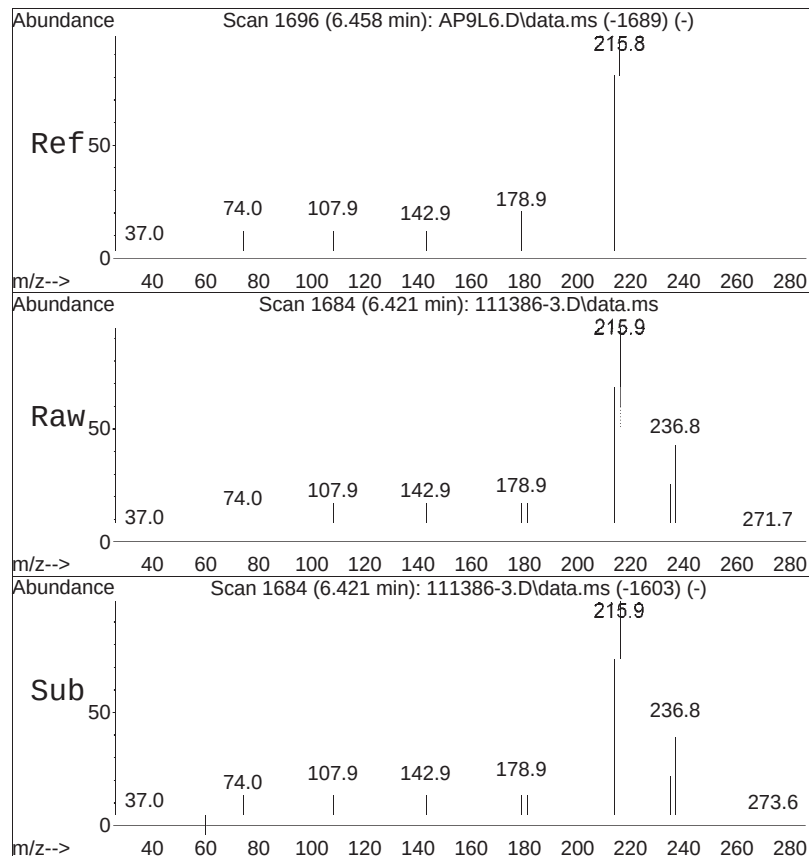




#60
 Caprolactam
 Concen: 0.68 ug/ml
 RT: 5.939 min Scan# 1529
 Delta R.T. 0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

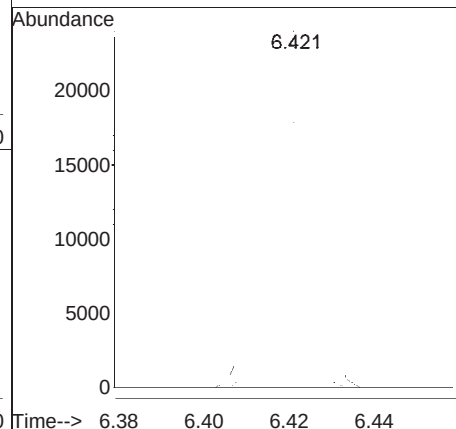
Tgt Ion	Ratio	Resp	Lower	Upper
55	100	4008		
85	47.8		19.8	29.6#
113	48.0		29.6	44.4#

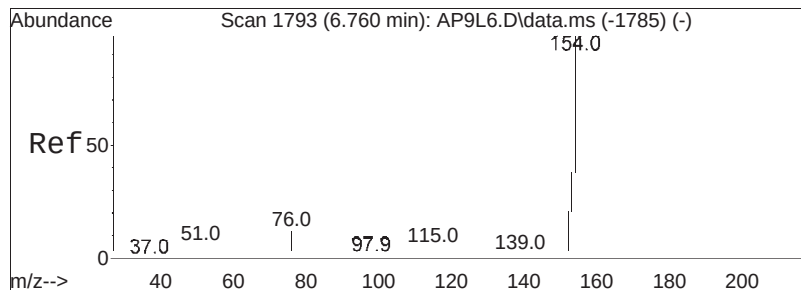




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.18 ug/ml
 RT: 6.421 min Scan# 1684
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

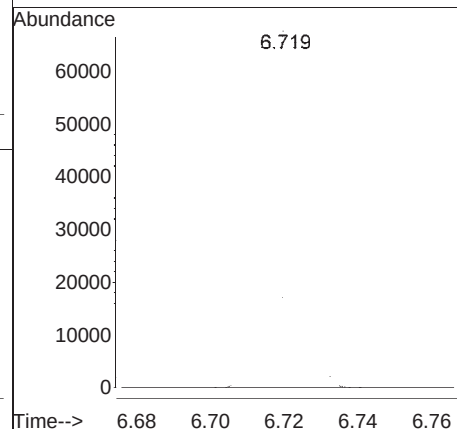
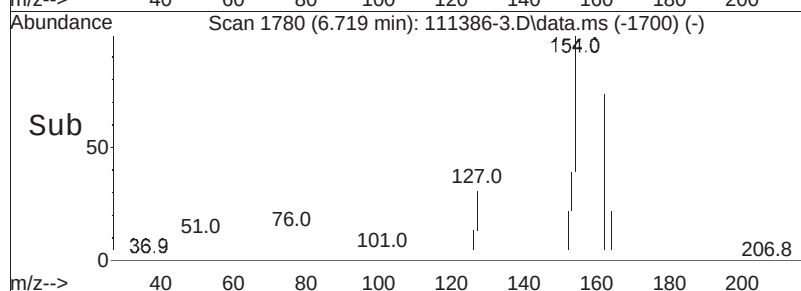
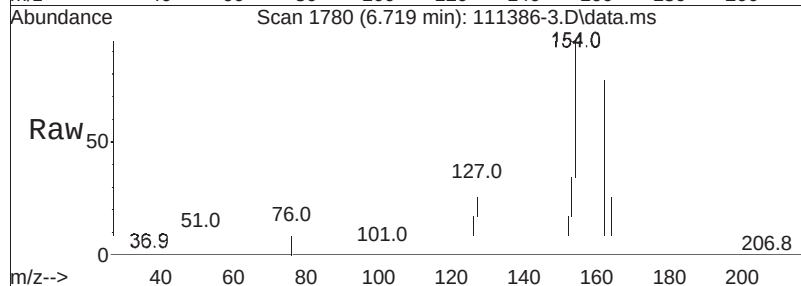
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	18295		
214	78.5		63.7	95.5
179	20.4		19.0	28.6

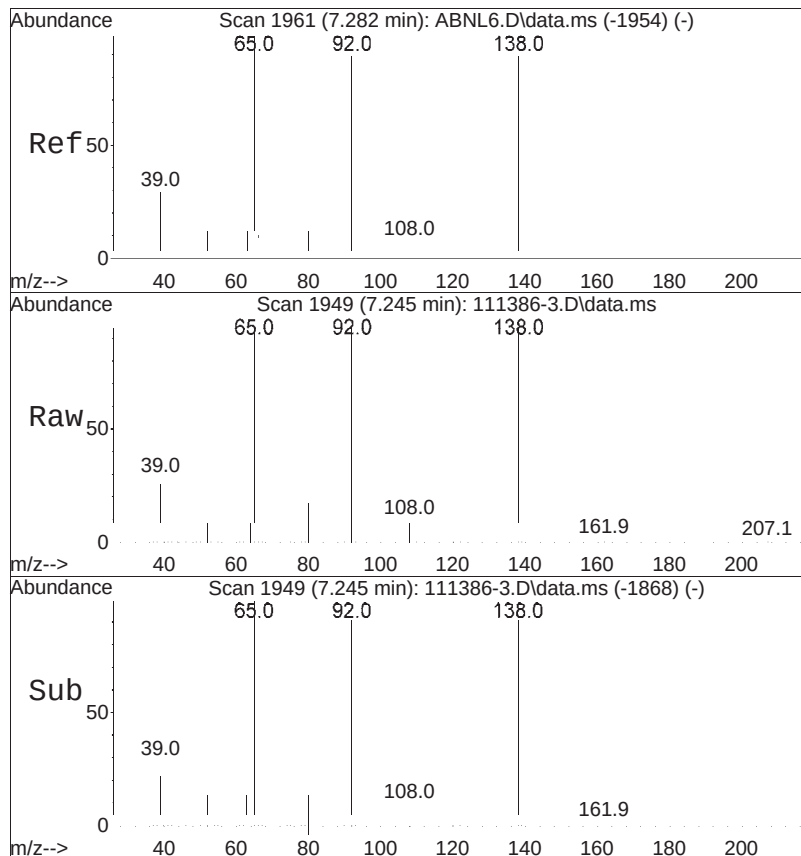




#62
 Biphenyl
 Concen: 1.32 ug/ml
 RT: 6.719 min Scan# 1780
 Delta R.T. 0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

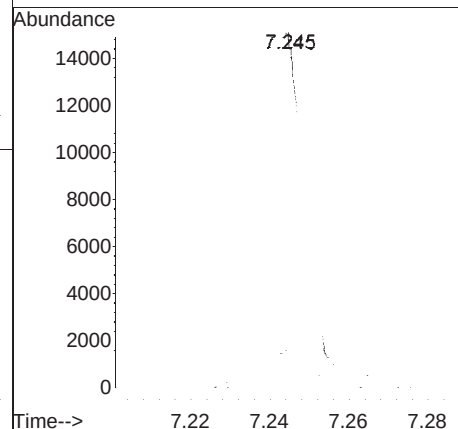
Tgt	Ion:154	Resp:	51108
Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.3	48.5
152	27.4	22.5	33.7

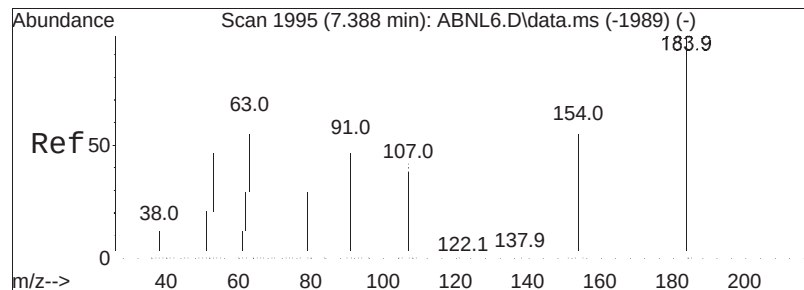




#64
 3-Nitroaniline
 Concen: 1.40 ug/ml
 RT: 7.245 min Scan# 1949
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

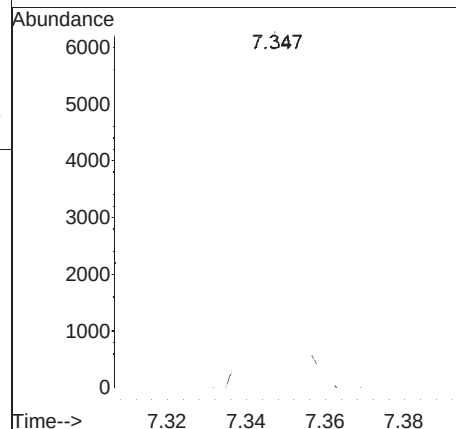
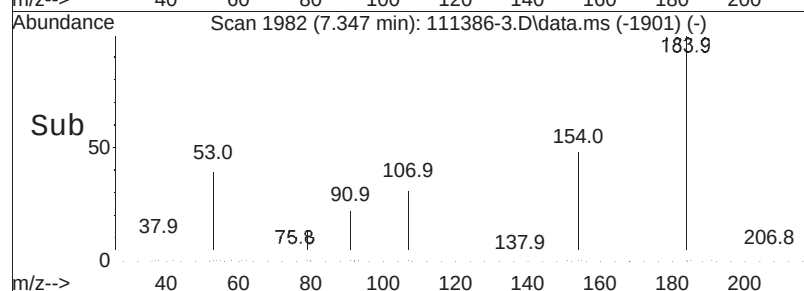
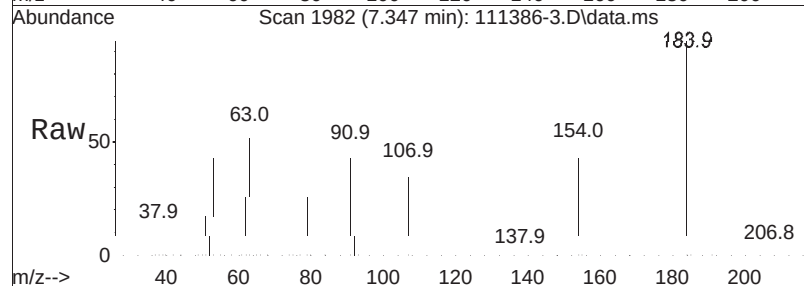
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	11535		
92	105.1		93.4	140.2
108	9.4		9.5	14.3#

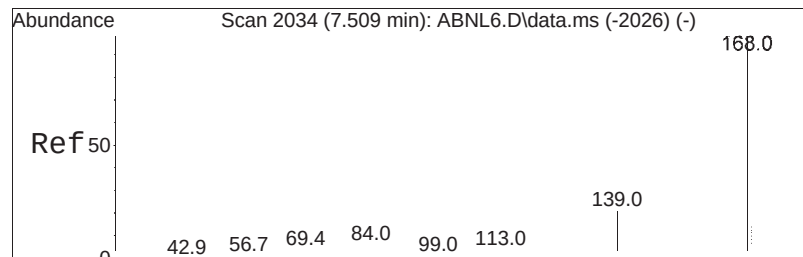




#66
 2,4-Dinitrophenol
 Concen: 1.14 ug/ml
 RT: 7.347 min Scan# 1982
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

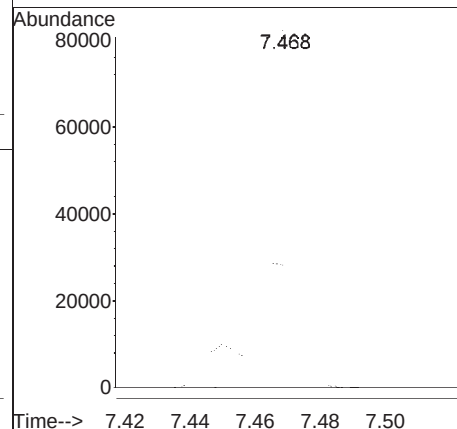
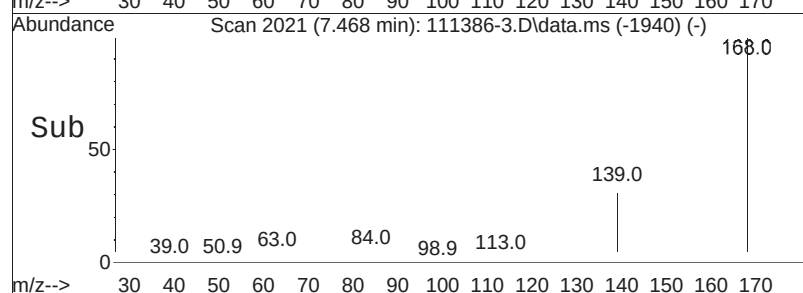
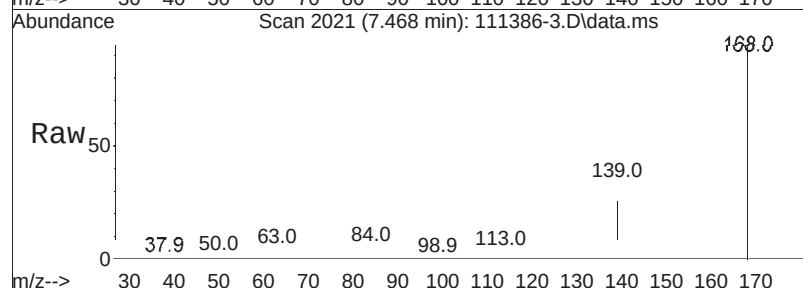
Tgt Ion:	184	Resp:	4558
Ion Ratio	Lower	Upper	
184	100		
107	43.3	37.7	56.5
91	53.1	46.3	69.5

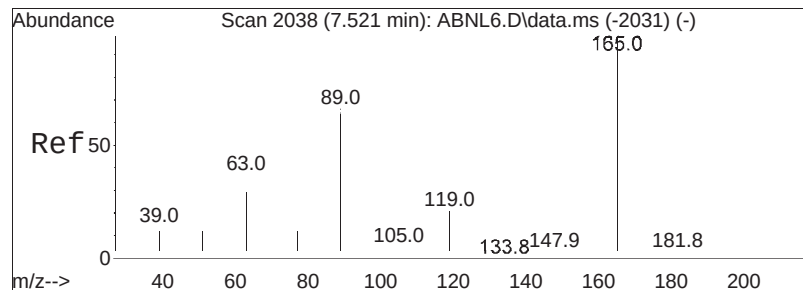




#67
Dibenzofuran
Concen: 1.46 ug/ml
RT: 7.468 min Scan# 2021
Delta R.T. 0.003 min
Lab File: 111386-3.D
Acq: 6 Sep 2025 11:43 am

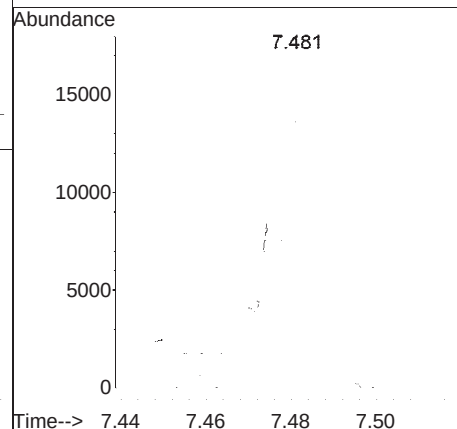
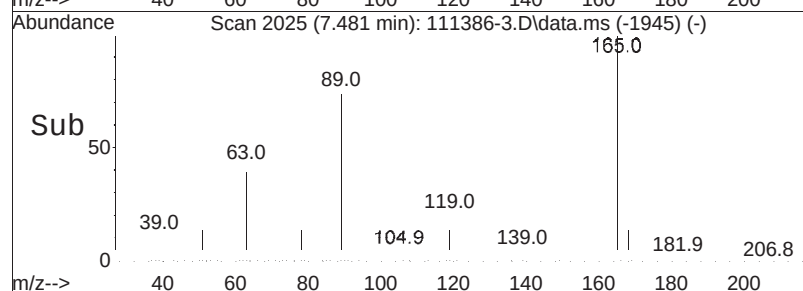
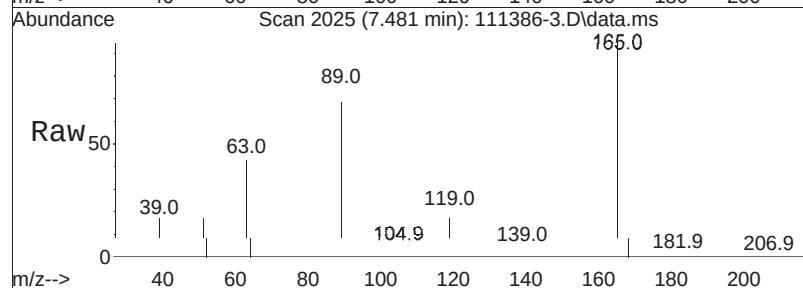
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.5	31.4	47.2

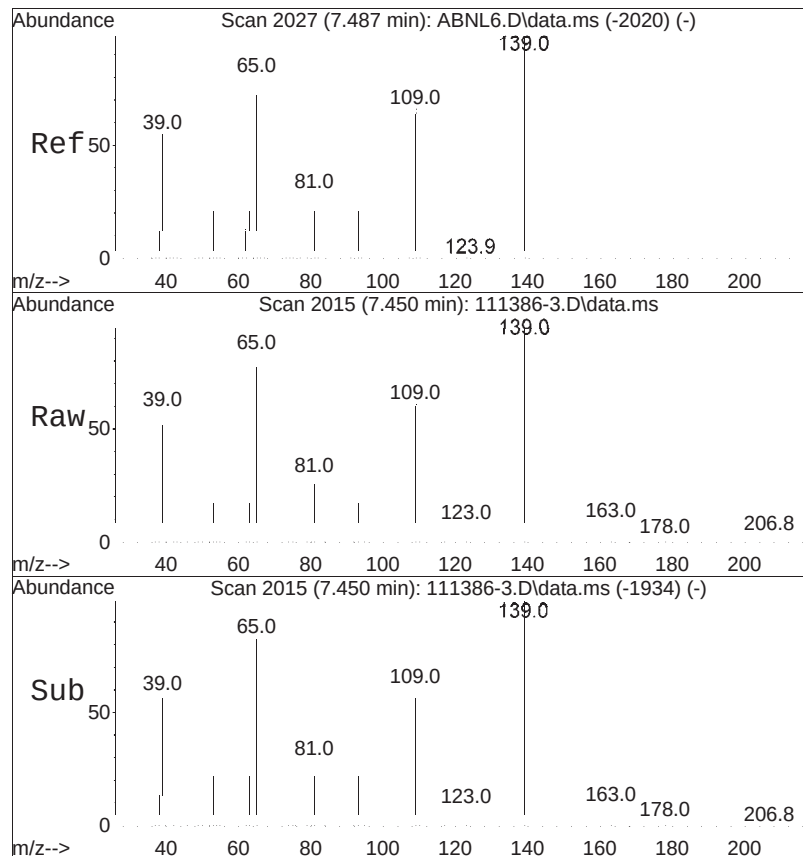




#68
 2,4-Dinitrotoluene
 Concen: 1.49 ug/ml
 RT: 7.481 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

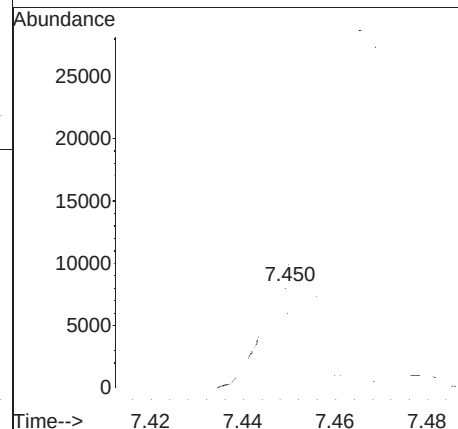
Tgt Ion:	165	Resp:	13876
Ion Ratio	Lower	Upper	
165	100		
89	85.9	72.0	108.0
63	66.0	52.7	79.1

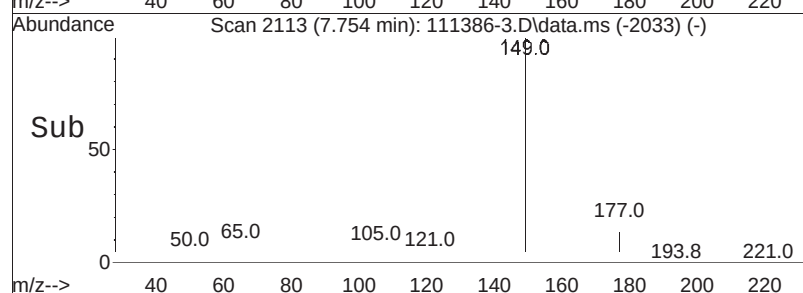
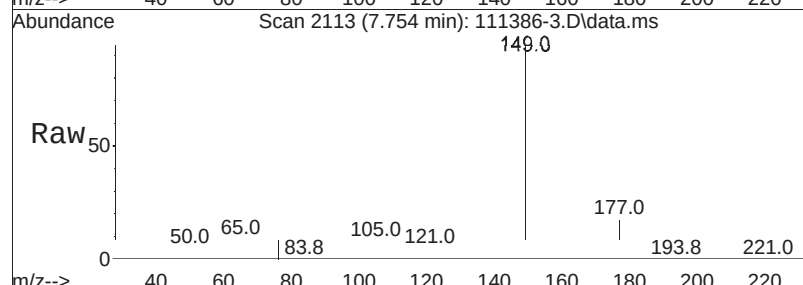
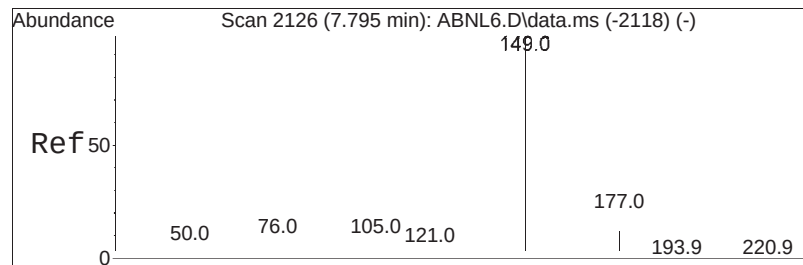




#69
 4-Nitrophenol
 Concen: 1.11 ug/ml
 RT: 7.450 min Scan# 2015
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

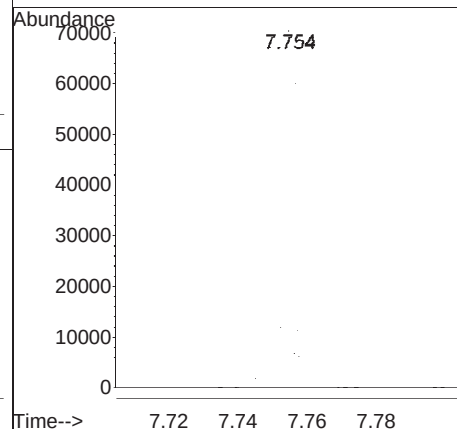
Tgt	Ion: 65	Resp:	6387
Ion	Ratio	Lower	Upper
65	100		
109	74.4	47.4	71.2#
139	117.8	76.6	115.0#

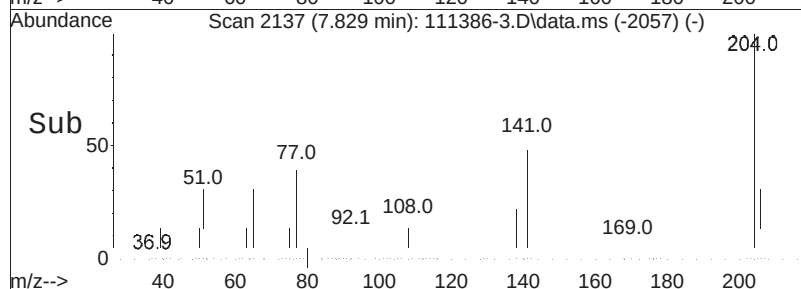
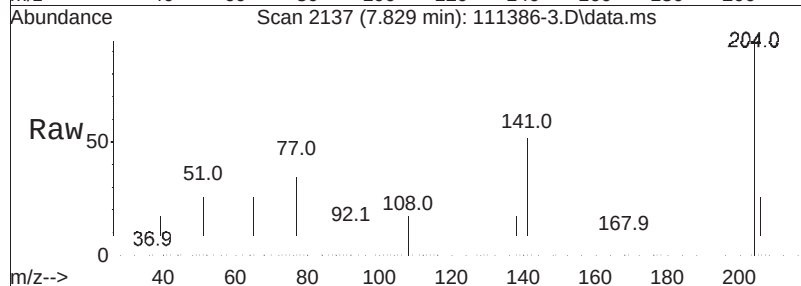
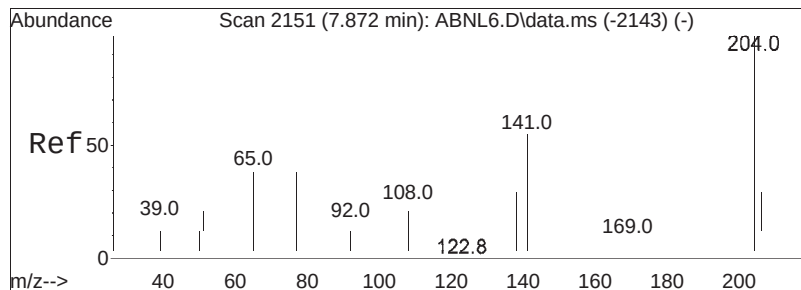




#72
 Diethyl phthalate
 Concen: 1.46 ug/ml
 RT: 7.754 min Scan# 2113
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

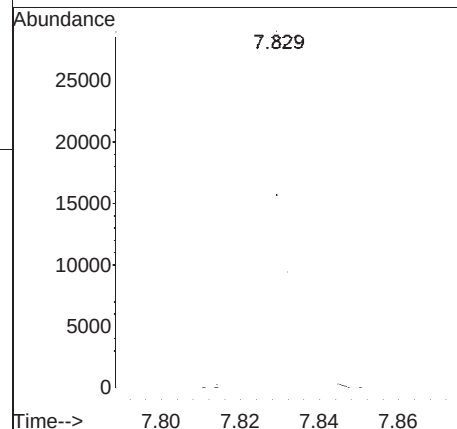
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	53585		
177	19.8		16.1	24.1
150	11.6		9.4	14.2

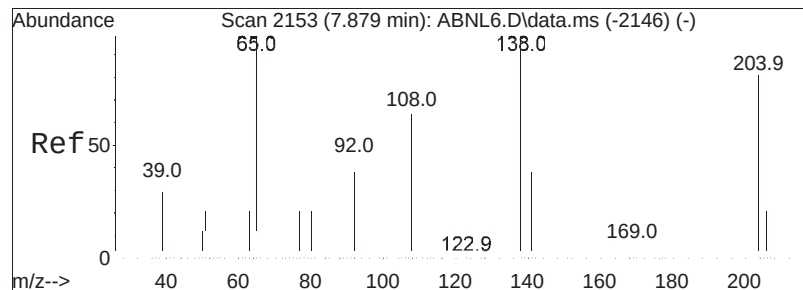




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.42 ug/ml
 RT: 7.829 min Scan# 2137
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

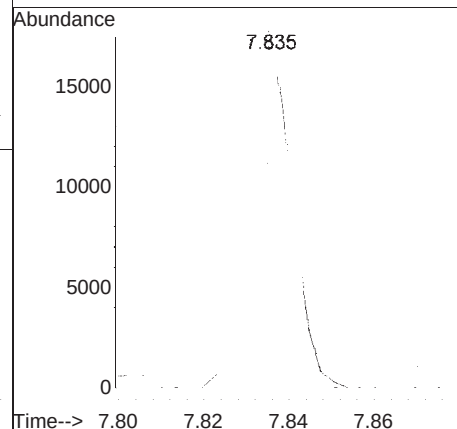
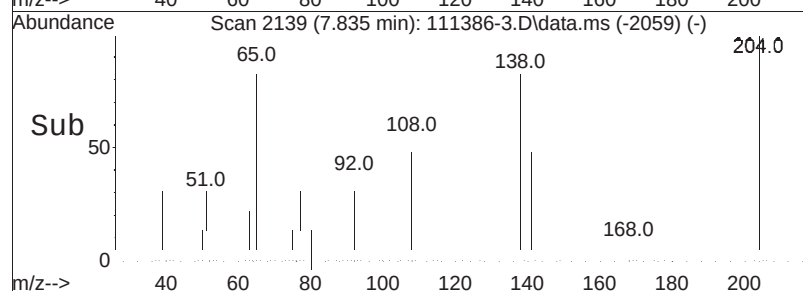
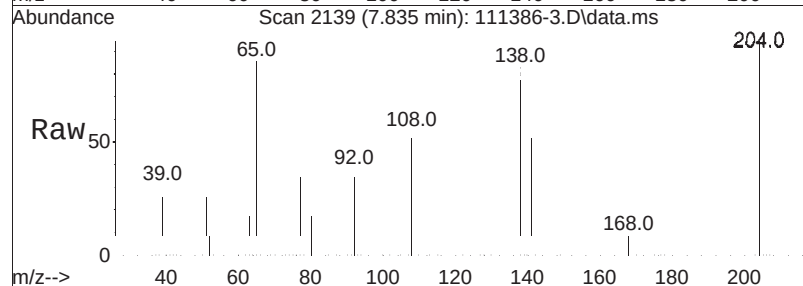
Tgt Ion:	204	Resp:	23662
Ion Ratio	Lower	Upper	
204	100		
206	32.9	25.8	38.6
141	55.6	53.6	80.4

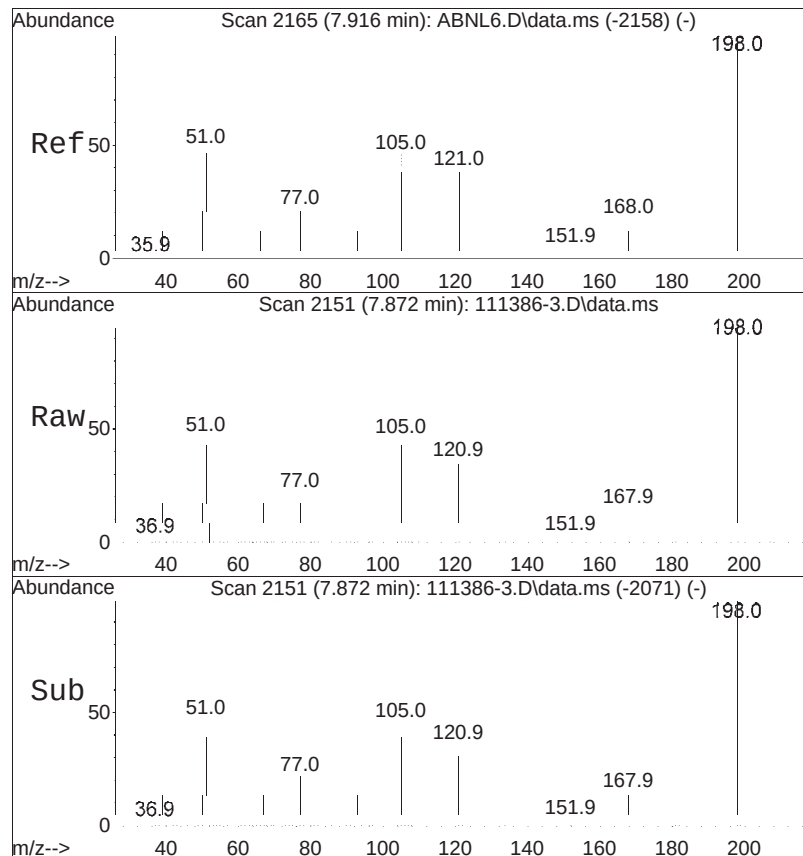




#75
 4-Nitroaniline
 Concen: 1.54 ug/ml
 RT: 7.835 min Scan# 2139
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

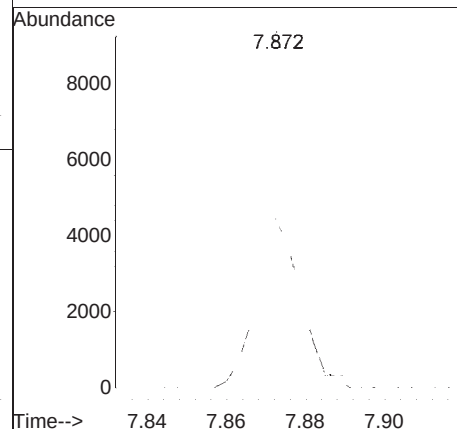
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	12557		
108	69.1		52.1	78.1
65	112.7		115.0	172.6#

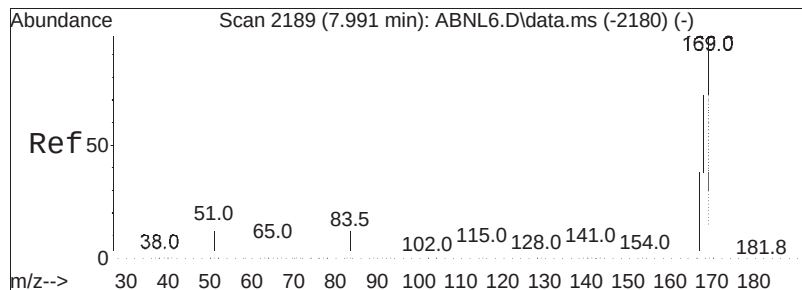




#76
 4,6-Dinitro-o-cresol
 Concen: 1.35 ug/ml
 RT: 7.872 min Scan# 2151
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

Tgt Ion:	198	Resp:	6997
Ion Ratio	Lower	Upper	
198	100		
51	50.0	76.0	114.0#
105	48.3	45.6	68.4





#77

NDPA/DPA

Concen: 1.51 ug/ml

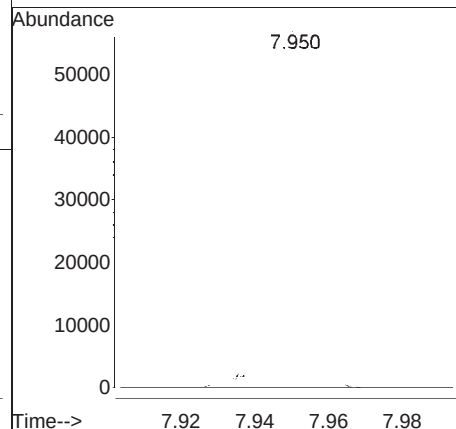
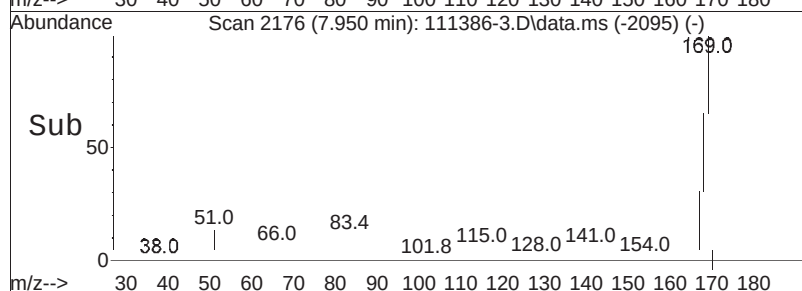
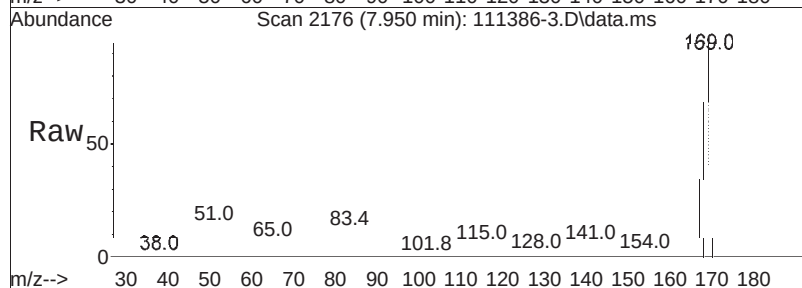
RT: 7.950 min Scan# 2176

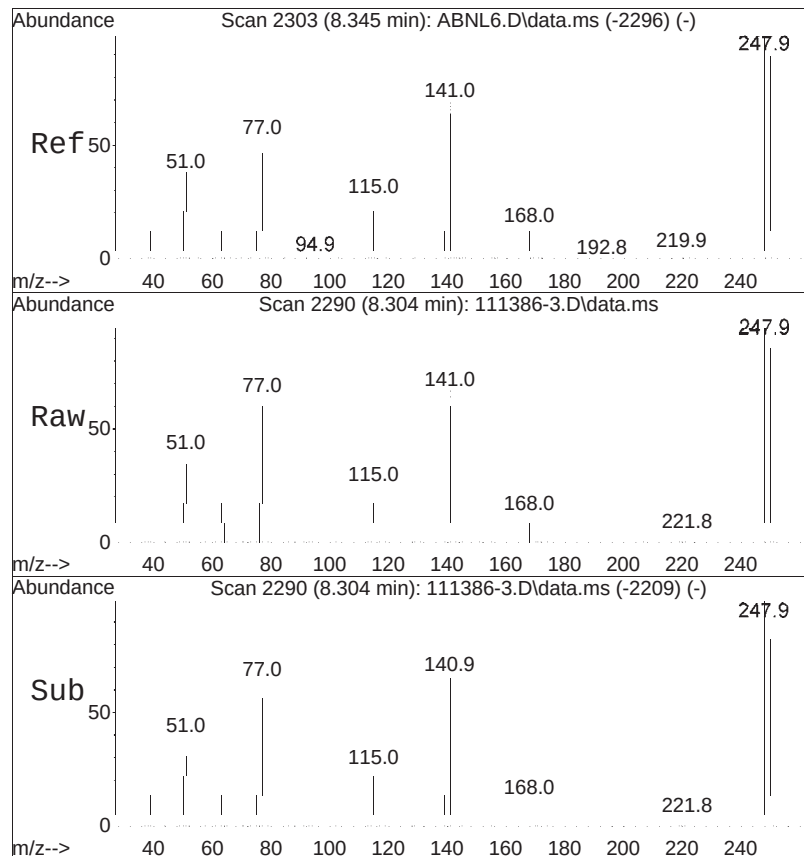
Delta R.T. 0.003 min

Lab File: 111386-3.D

Acq: 6 Sep 2025 11:43 am

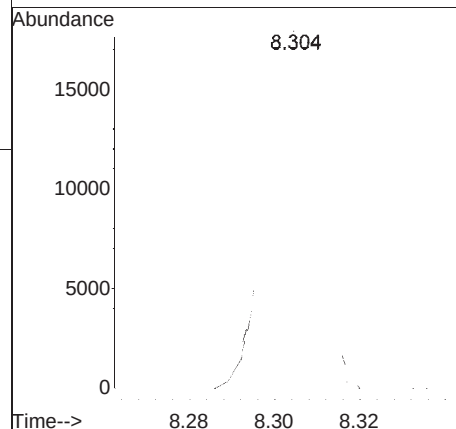
Tgt Ion:	169	Resp:	44208
Ion Ratio	Lower	Upper	
169	100		
168	71.0	54.0	81.0
167	39.4	28.6	42.8

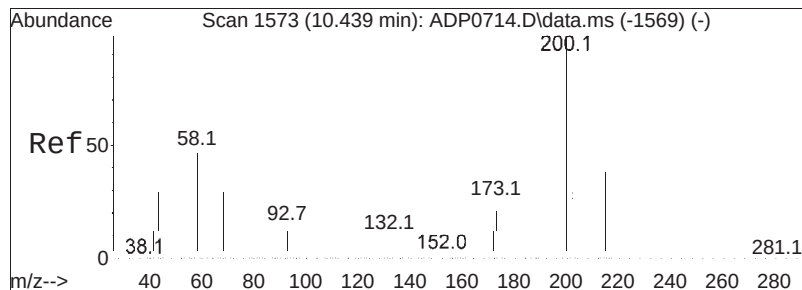




#80
 4-Bromophenyl phenyl ether
 Concen: 1.40 ug/ml
 RT: 8.304 min Scan# 2290
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

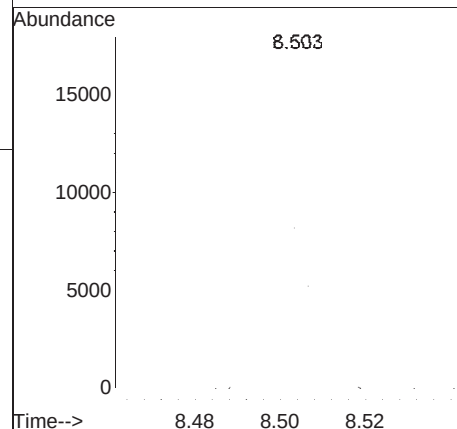
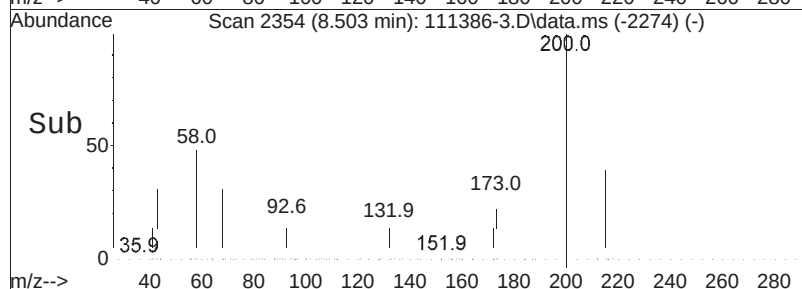
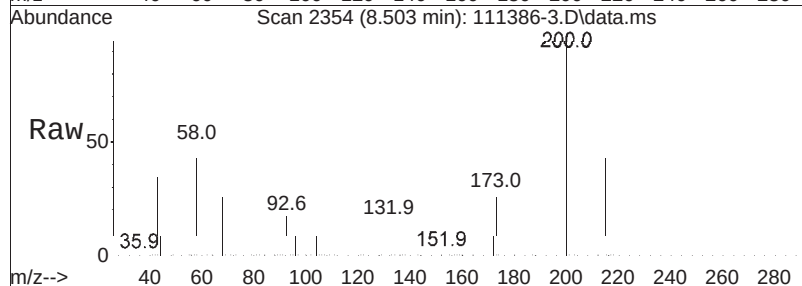
Tgt Ion:	248	Resp:	14346
Ion Ratio	Lower	Upper	
248	100		
141	69.1	76.6	114.8#
250	91.1	77.3	115.9

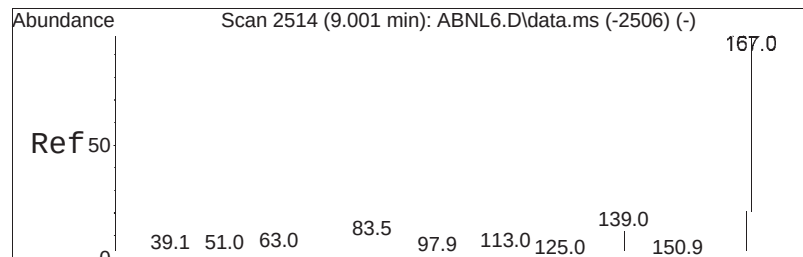




#87
 Atrazine
 Concen: 1.67 ug/ml
 RT: 8.503 min Scan# 2354
 Delta R.T. 0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

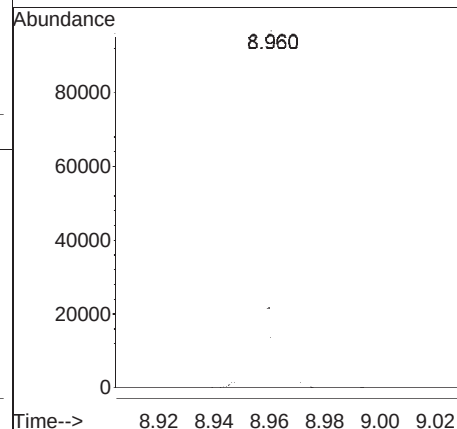
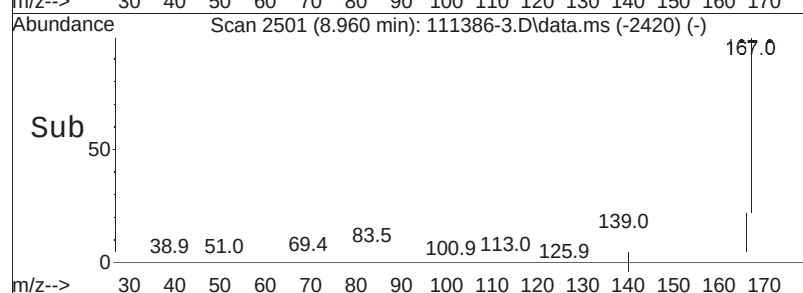
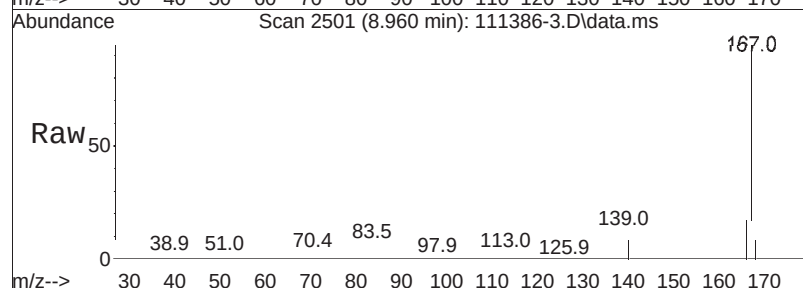
Tgt Ion:	200	Resp:	14975
Ion Ratio	Lower	Upper	
200	100		
202	31.9	25.8	38.6
215	43.3	40.2	60.4

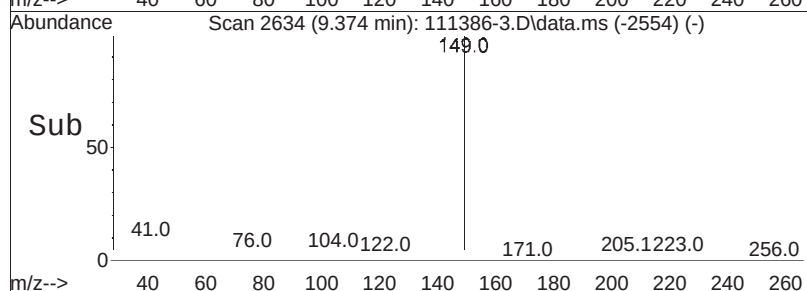
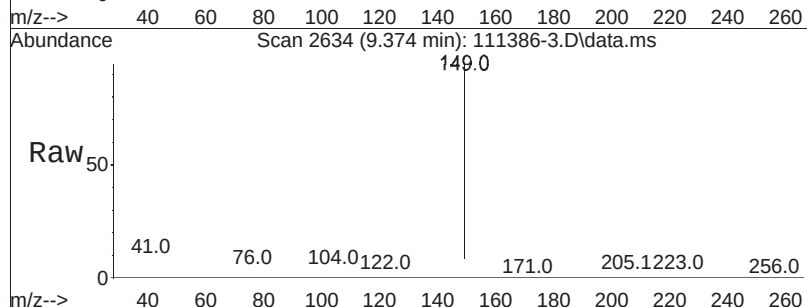
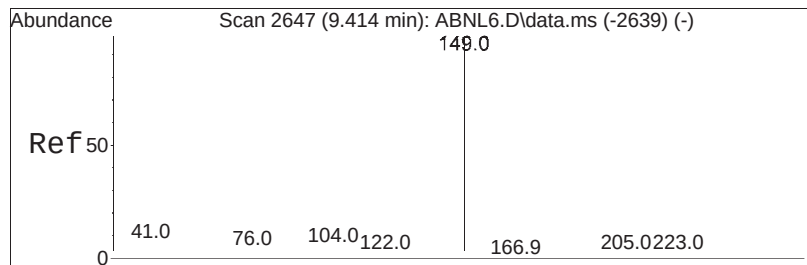




#91
 Carbazole
 Concen: 1.58 ug/ml
 RT: 8.960 min Scan# 2501
 Delta R.T. 0.003 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

Tgt Ion:	167	Resp:	78723
Ion Ratio	Lower	Upper	
167	100		
168	14.5	10.6	15.8
166	22.6	17.4	26.0





#92

Di-n-butylphthalate

Concen: 1.56 ug/ml

RT: 9.374 min Scan# 2634

Delta R.T. -0.000 min

Lab File: 111386-3.D

Acq: 6 Sep 2025 11:43 am

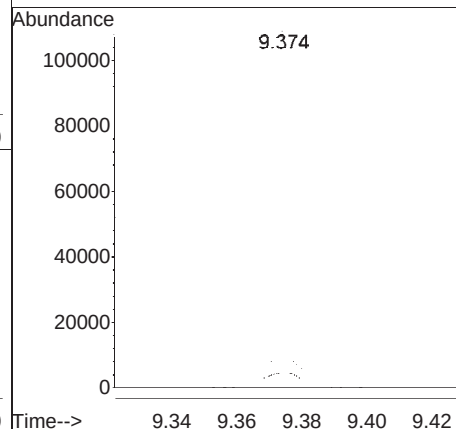
Tgt Ion:149 Resp: 91389

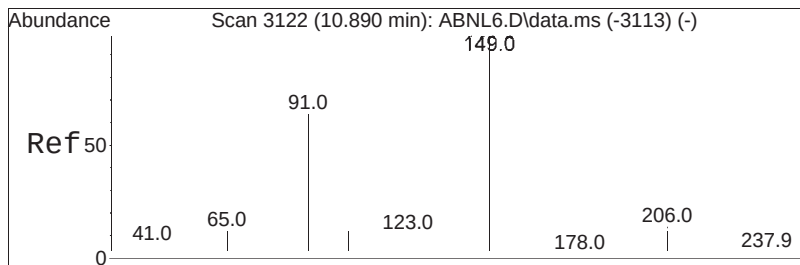
Ion Ratio Lower Upper

149 100

150 8.8 7.0 10.6

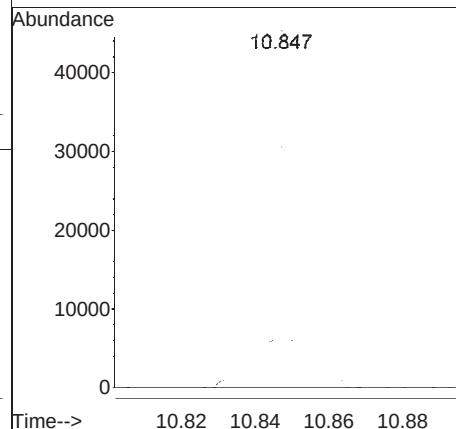
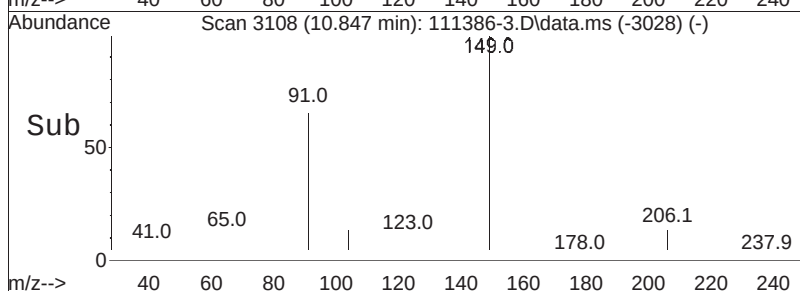
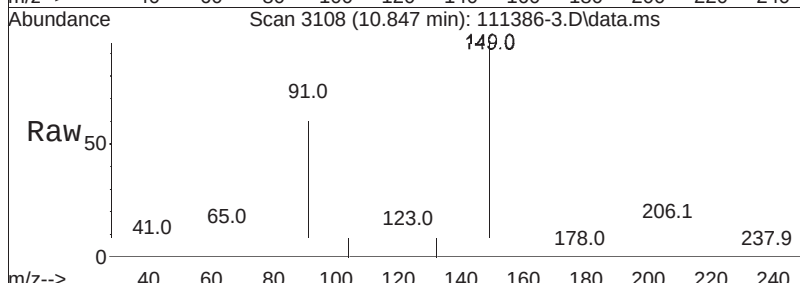
104 4.4 4.5 6.7#

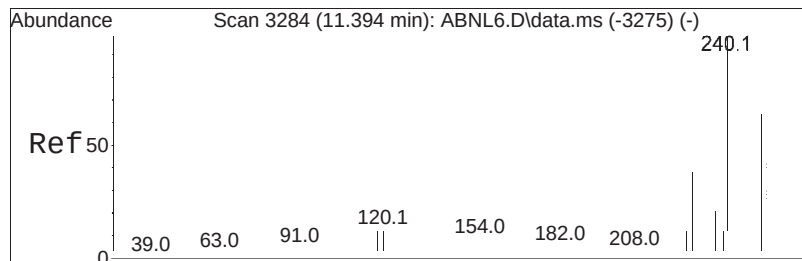




#97
 Butyl benzyl phthalate
 Concen: 1.64 ug/ml
 RT: 10.847 min Scan# 3108
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

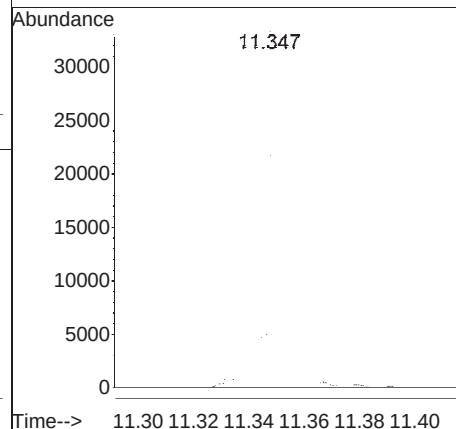
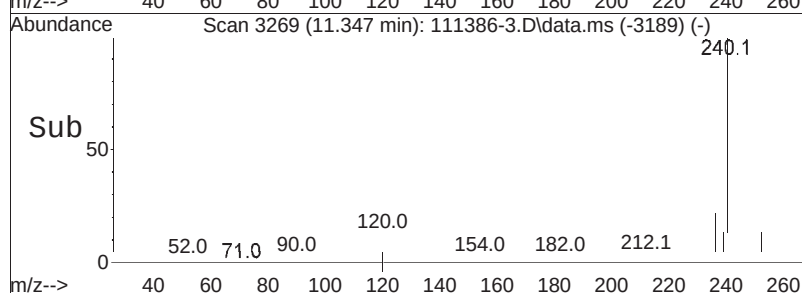
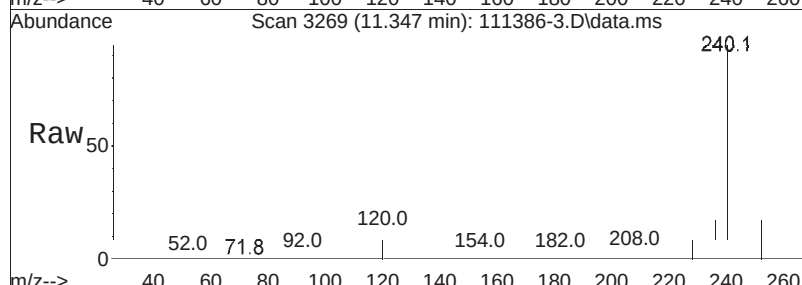
Tgt Ion:	149	Resp:	39979
Ion Ratio	Lower	Upper	
149	100		
91	66.6	63.3	94.9
206	15.6	13.9	20.9

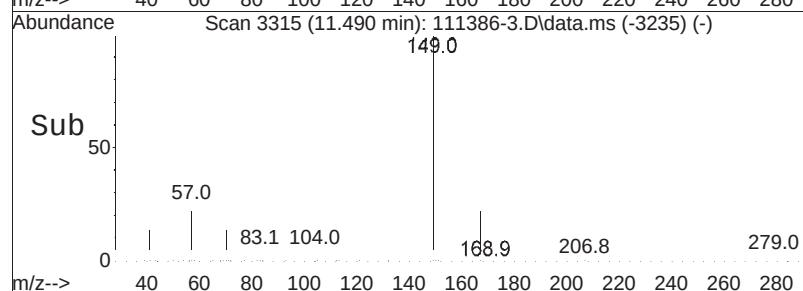
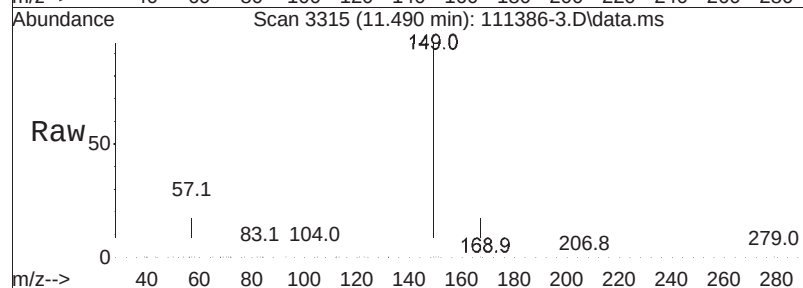
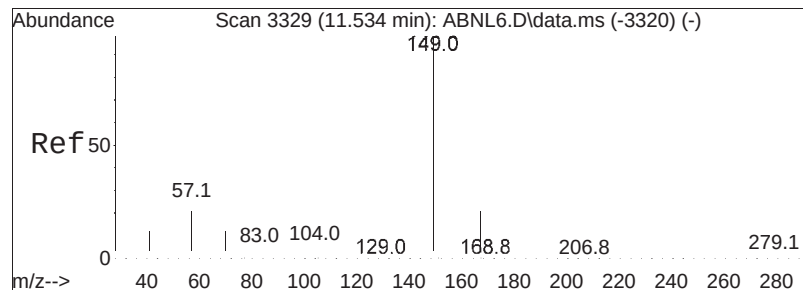




#106
 3,3'-Dichlorobenzidine
 Concen: 1.43 ug/ml
 RT: 11.347 min Scan# 3269
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

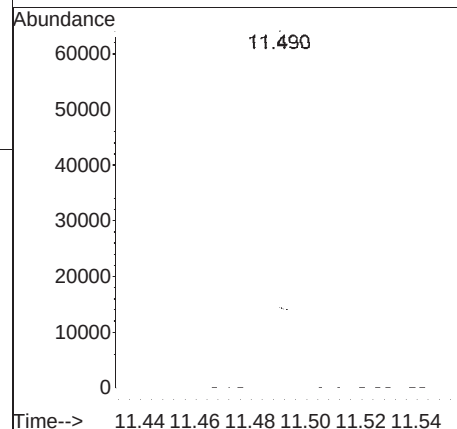
Tgt Ion:	252	Resp:	29905
Ion Ratio	Lower	Upper	
252	100		
126	16.5	14.5	21.7
254	65.6	51.2	76.8

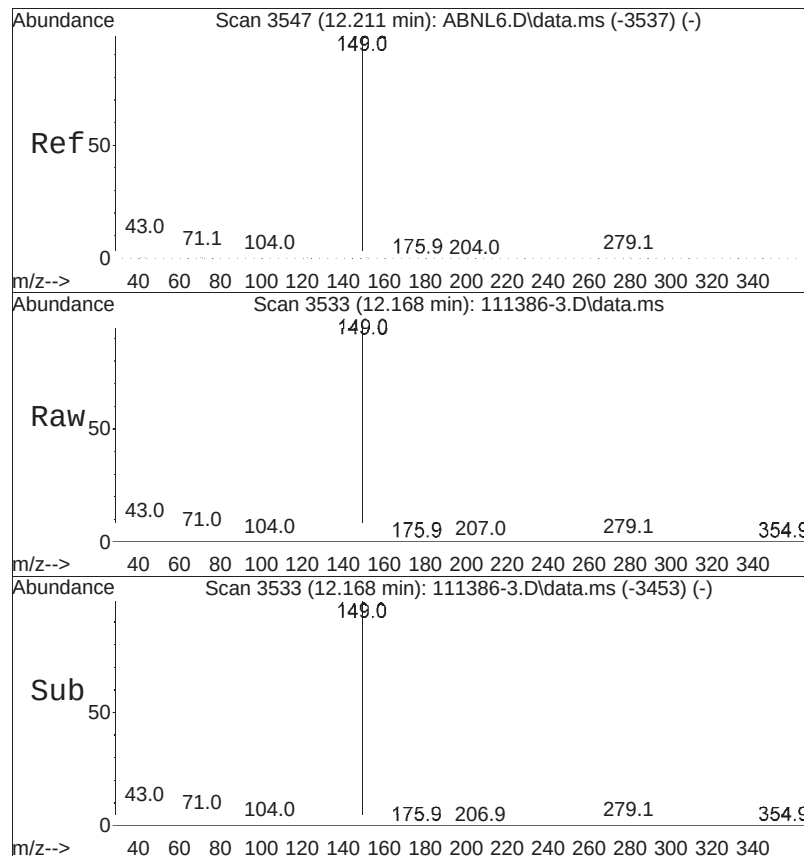




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.61 ug/ml
 RT: 11.490 min Scan# 3315
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

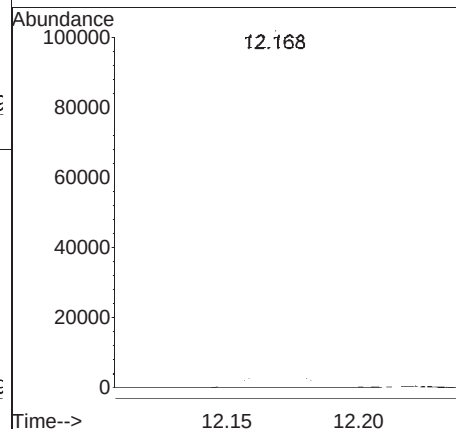
Tgt Ion:	149	Resp:	61372
Ion Ratio	Lower	Upper	
149	100		
167	22.3	22.1	33.1
279	2.2	3.0	4.4#





#109
 Di-n-octylphthalate
 Concen: 1.64 ug/ml
 RT: 12.168 min Scan# 3533
 Delta R.T. -0.000 min
 Lab File: 111386-3.D
 Acq: 6 Sep 2025 11:43 am

Tgt Ion	Ratio	Lower	Upper
149	100		
43	9.6	18.8	28.2#
167	1.1	1.3	1.9#



Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-4.D
 Acq On : 6 Sep 2025 12:04 pm
 Operator : SV106:jg
 Sample : WG2111386-4,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 18:14:00 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.264	152	37172	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	106.62%		
27) IS2_1,4-Dichlorobenzen...	4.264	152	37172	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	102.58%		
35) IS1_Naphthalene-d8	5.532	136	149877	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	107.10%		
55) IS2_Naphthalene-d8	5.532	136	149877	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	104.55%		
63) IS1_Acenaphthene-d10	7.263	164	86457	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	108.12%		
83) IS2_Acenaphthene-d10	7.263	164	86457	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	104.52%		
86) IS3_Acenaphthene-d10	7.263	164	86457	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	108.15%		
88) IS1_Phenanthrene-d10	8.712	188	164489	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	109.28%		
100) IS3_Phenanthrene-d10	8.712	188	164489	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	104.83%		
104) IS1_Chrysene-d12	11.347	240	160350	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	106.55%		
113) IS1_Perylene-d12	12.808	264	182800	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	110.53%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.931	112	12079	1.175	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	58.75%		
7) Phenol-d6	3.956	99	10982	0.897	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	44.85%		
19) Nitrobenzene-d5	4.826	82	8692	0.763	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	76.30%		
46) 2-Fluorobiphenyl	6.632	172	21857	0.711	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	71.10%		
79) 2,4,6-Tribromophenol	8.040	330	5813	1.387	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	69.35%		
96) 4-Terphenyl-d14	10.315	244	27754	0.687	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	68.70%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-4.D
 Acq On : 6 Sep 2025 12:04 pm
 Operator : SV106:jg
 Sample : WG2111386-4,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 18:14:00 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds					Qvalue	
6) 2-Chlorophenol	4.049	128	18743	1.515	ug/ml#	88
8) Phenol	3.969	94	30698	2.292	ug/ml	92
14) Bis(2-chloroisopropyl)...	4.593	45	26294	1.516	ug/ml#	55
15) 2-Methylphenol	4.578	108	17076	1.664	ug/ml	100
17) n-Nitrosodi-n-propylamine	4.715	70	12057	1.593	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.743	108	15629	1.394	ug/ml	92
20) Nitrobenzene	4.845	77	17848	1.524	ug/ml	96
21) Isophorone	5.097	82	32436	1.520	ug/ml	98
22) 2-Nitrophenol	5.168	139	9452	1.589	ug/ml#	86
23) 2,4-Dimethylphenol	5.265	107	14971	1.267	ug/ml	93
24) Bis(2-chloroethoxy)met...	5.352	93	22133	1.540	ug/ml#	96
25) 2,4-Dichlorophenol	5.417	162	17116	1.575	ug/ml	95
28) Benzaldehyde	3.810	105	15272	2.548	ug/ml	87
29) Acetophenone	4.684	105	27475	1.552	ug/ml#	80
38) 4-Chloroaniline	5.638	65	4741M3	1.081	ug/ml	
40) p-Chloro-m-cresol	6.154	107	16548	1.556	ug/ml	97
43) Hexachlorocyclopentadiene	6.424	237	10458	1.099	ug/ml	99
44) 2,4,6-Trichlorophenol	6.545	196	12109	1.515	ug/ml	97
45) 2,4,5-Trichlorophenol	6.576	196	13545	1.510	ug/ml	97
48) 2-Nitroaniline	6.841	138	11959	1.549	ug/ml#	81
51) Dimethyl phthalate	7.052	163	47044	1.465	ug/ml#	98
53) 2,6-Dinitrotoluene	7.089	165	8906	1.422	ug/ml#	78
60) Caprolactam	5.939	55	3529	0.664	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	6.421	216	18555	1.327	ug/ml	98
62) Biphenyl	6.719	154	48694	1.396	ug/ml	98
64) 3-Nitroaniline	7.245	138	10318	1.397	ug/ml#	90
66) 2,4-Dinitrophenol	7.347	184	3936	1.100	ug/ml	92
67) Dibenzofuran	7.468	168	59973	1.505	ug/ml	93
68) 2,4-Dinitrotoluene	7.481	165	12475	1.501	ug/ml	95
69) 4-Nitrophenol	7.450	65	5707	1.109	ug/ml#	79
72) Diethyl phthalate	7.754	149	47752	1.457	ug/ml	98
74) 4-Chlorophenyl phenyl ...	7.832	204	21529	1.447	ug/ml	90
75) 4-Nitroaniline	7.835	138	11017	1.513	ug/ml#	81
76) 4,6-Dinitro-o-cresol	7.876	198	6085	1.317	ug/ml#	70
77) NDPA/DPA	7.950	169	38681	1.480	ug/ml	94
80) 4-Bromophenyl phenyl e...	8.304	248	12862	1.402	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-4.D
 Acq On : 6 Sep 2025 12:04 pm
 Operator : SV106:jg
 Sample : WG2111386-4,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 18:14:00 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87)	Atrazine	8.503	200	11806	1.469	ug/ml	95
91)	Carbazole	8.960	167	69371	1.560	ug/ml	98
92)	Di-n-butylphthalate	9.374	149	79158	1.521	ug/ml	98
97)	Butyl benzyl phthalate	10.847	149	34906	1.605	ug/ml	86
106)	3,3'-Dichlorobenzidine	11.347	252	25325	1.361	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.493	149	52817	1.557	ug/ml#	90
109)	Di-n-octylphthalate	12.171	149	88570	1.557	ug/ml#	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

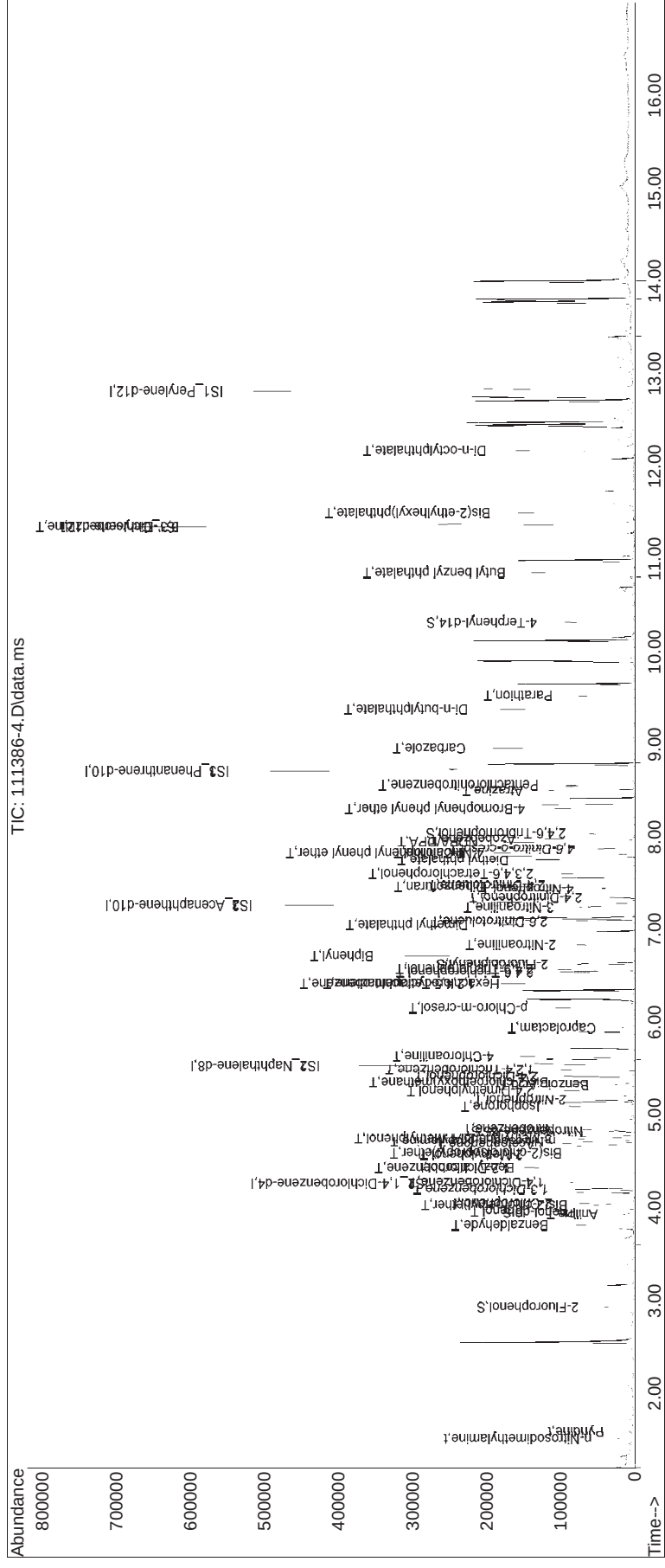
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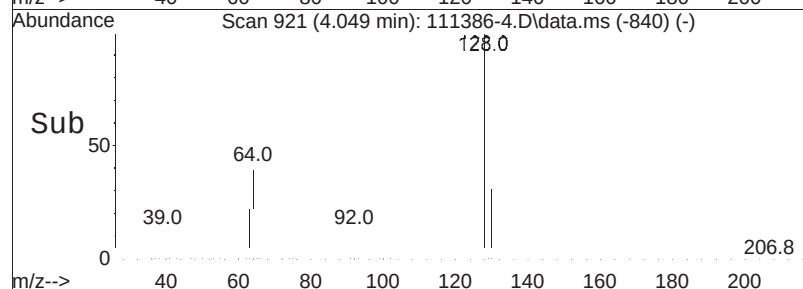
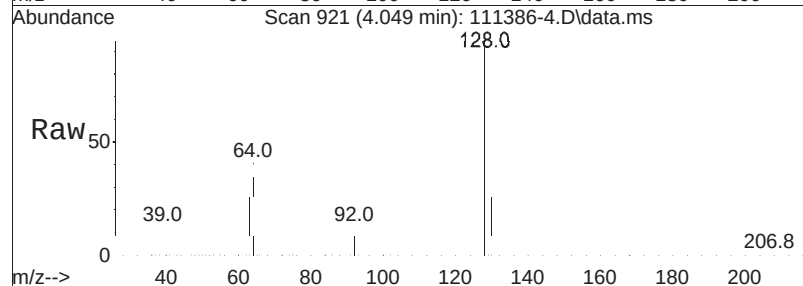
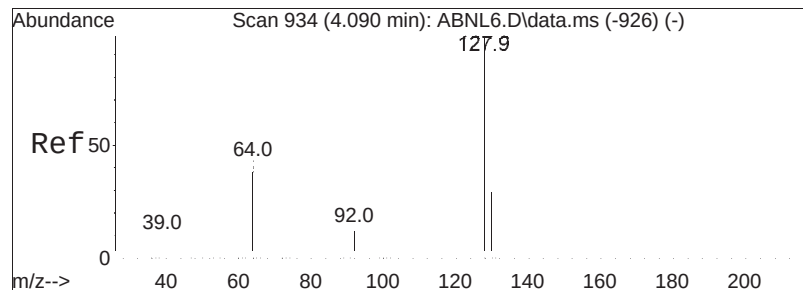
Data Path      : I:\8270\SV106\250906RVT\
Data File     : 111386-4.D
Acq On        : 6 Sep 2025 12:04 pm
Operator      : SV106:jg
Sample        : WG2111386-4,32,,gmr
Misc          : WG21111447,WG2111386,ical
ALS Vial      : 10 Sample Multiplier:

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Quant Time: Sep 10 18:14:00 2025
Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast update : Sat Sep 06 08:56:15 2025
Response via : Initial Calibration

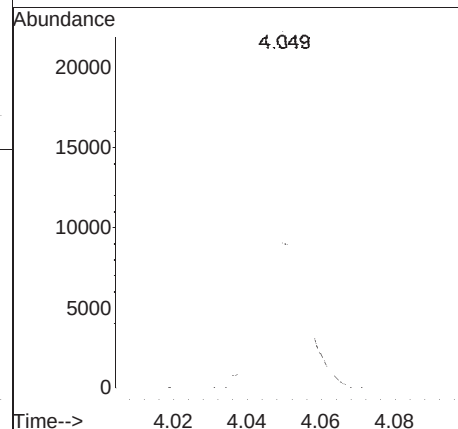
Sub List : 8270IC\8270bSVRE8\1250906RCTX\AP90906.D.

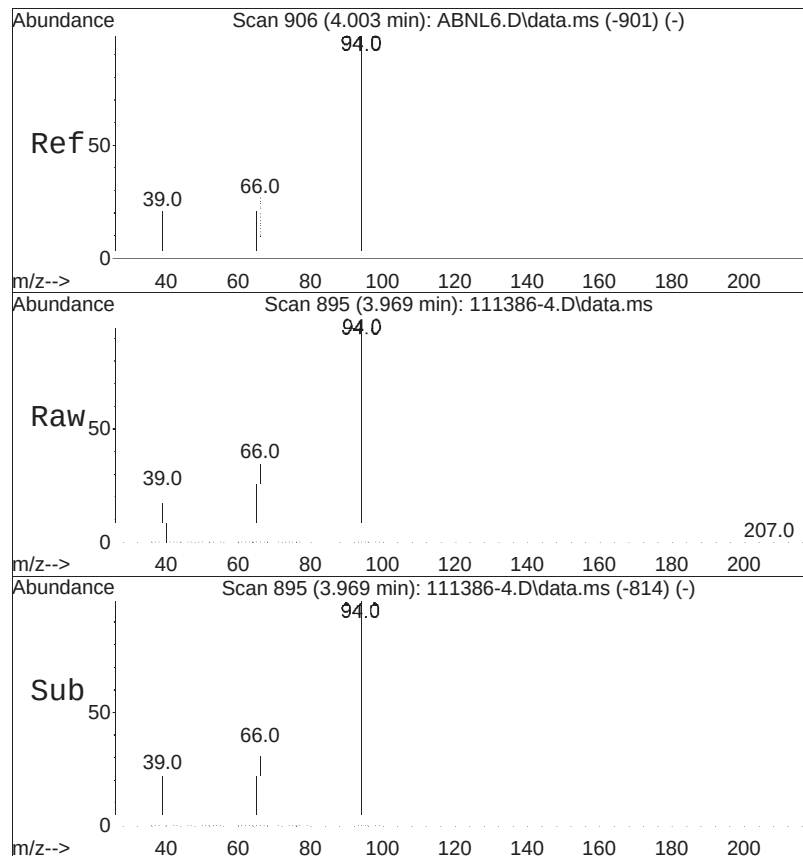




#6
 2-Chlorophenol
 Concen: 1.51 ug/ml
 RT: 4.049 min Scan# 921
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

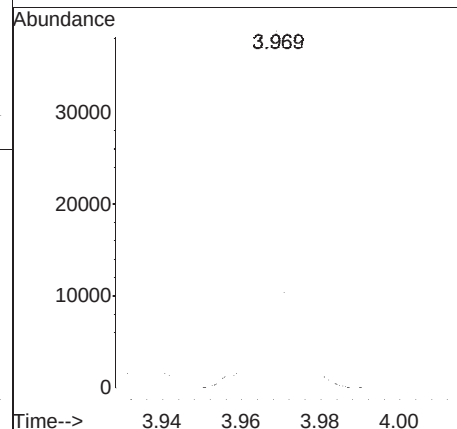
Tgt Ion	Ratio	Resp: Lower	Upper
128	100		
64	43.6	45.1	67.7#
130	31.4	26.2	39.4

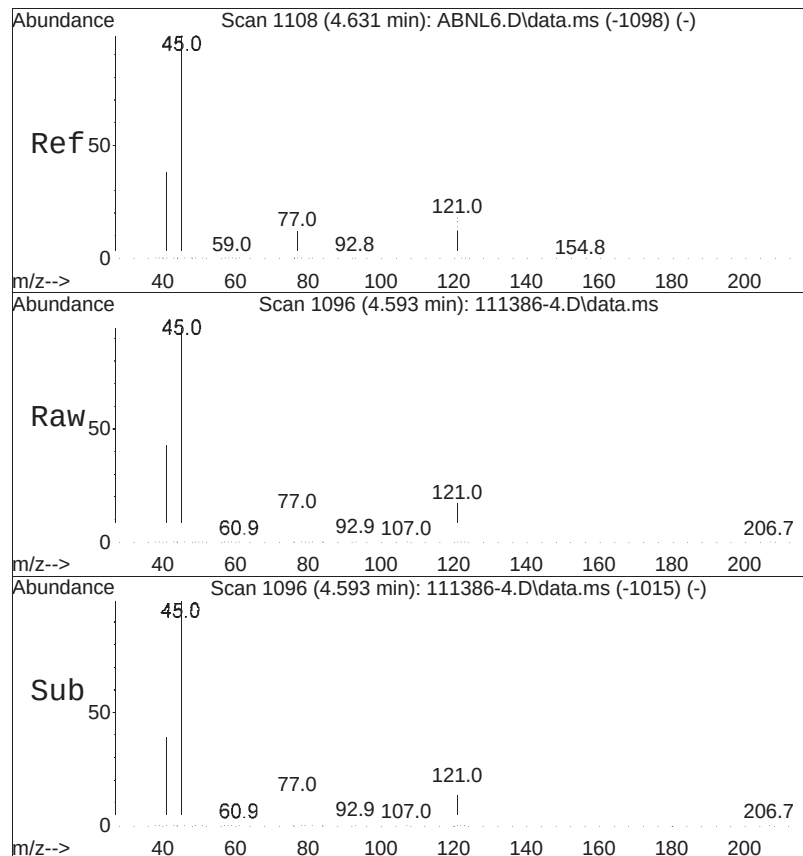




#8
 Phenol
 Concen: 2.29 ug/ml
 RT: 3.969 min Scan# 895
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

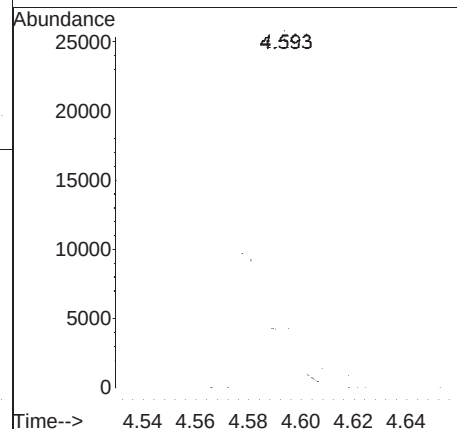
Tgt Ion:	94	Resp:	30698
Ion Ratio	Lower	Upper	
94	100		
65	28.5	26.0	39.0
66	36.3	33.8	50.8

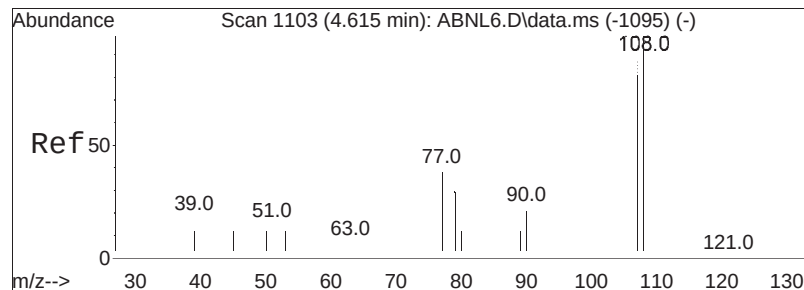




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.52 ug/ml
 RT: 4.593 min Scan# 1096
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

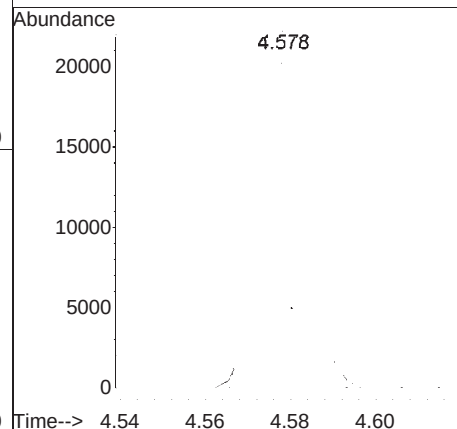
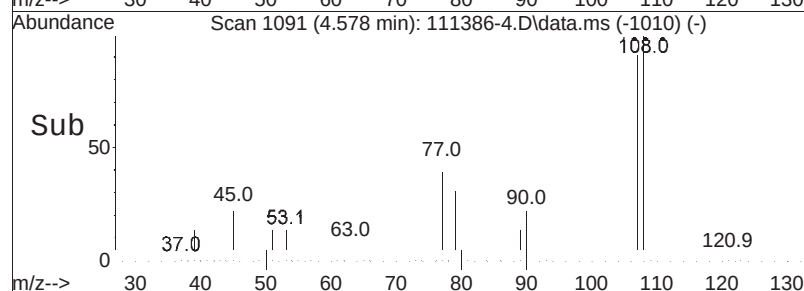
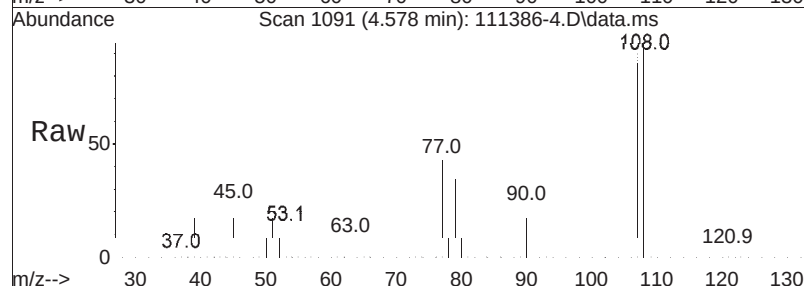
Tgt Ion:	45	Resp:	26294
Ion Ratio	Lower	Upper	
45	100		
121	18.3	9.8	14.6#
77	39.6	6.1	9.1#

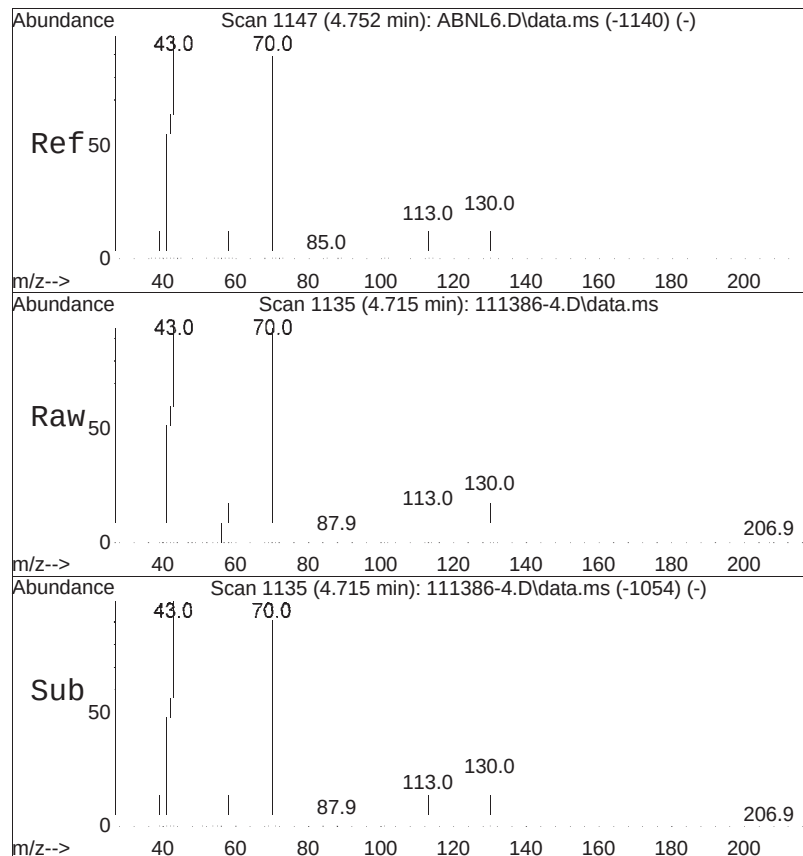




#15
 2-Methylphenol
 Concen: 1.66 ug/ml
 RT: 4.578 min Scan# 1091
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

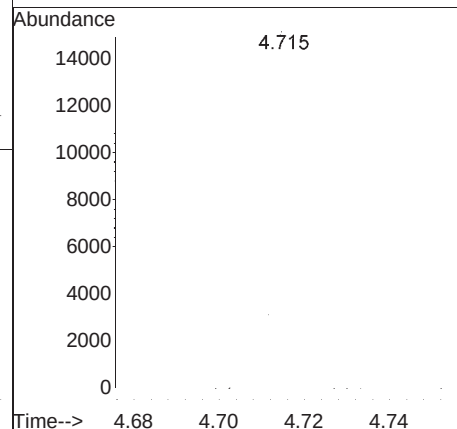
Tgt Ion	Ratio	Lower	Upper
108	100		
107	88.3	70.7	106.1
90	22.5	18.7	28.1

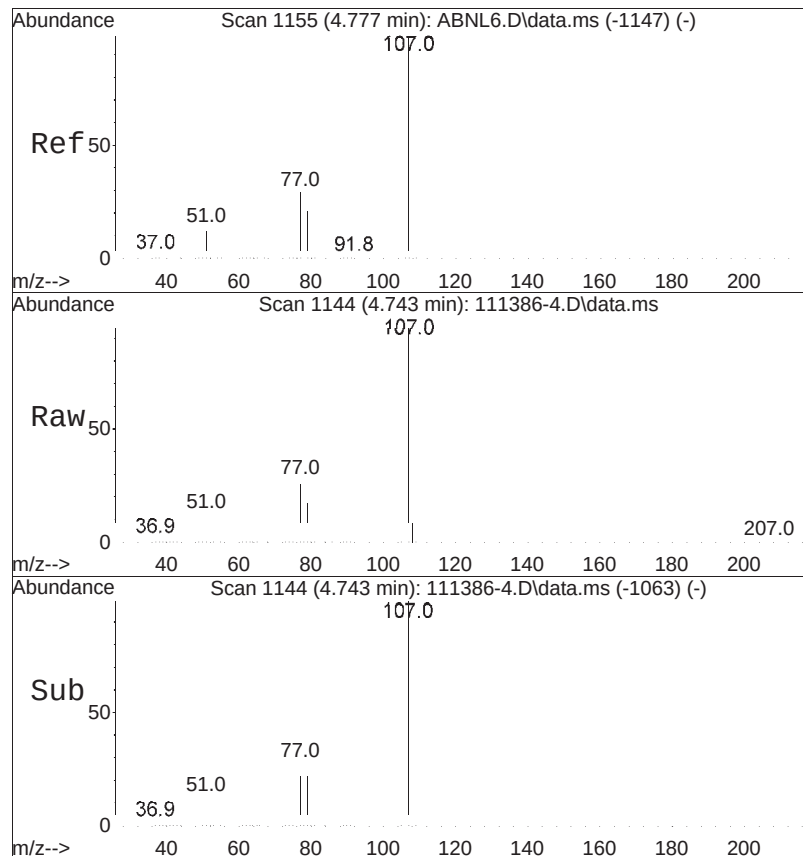




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.59 ug/ml
 RT: 4.715 min Scan# 1135
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

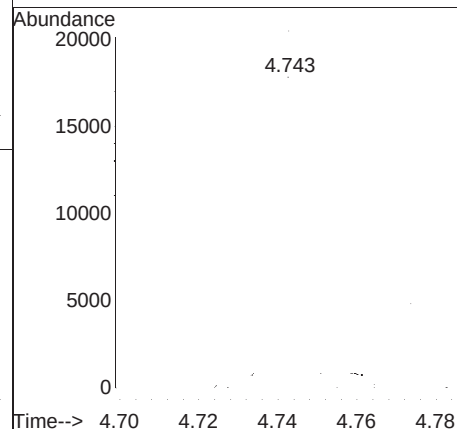
Tgt Ion	Ratio	Resp: Lower	Upper
70	100		
130	20.6	18.2	27.4
101	10.4	7.8	11.8

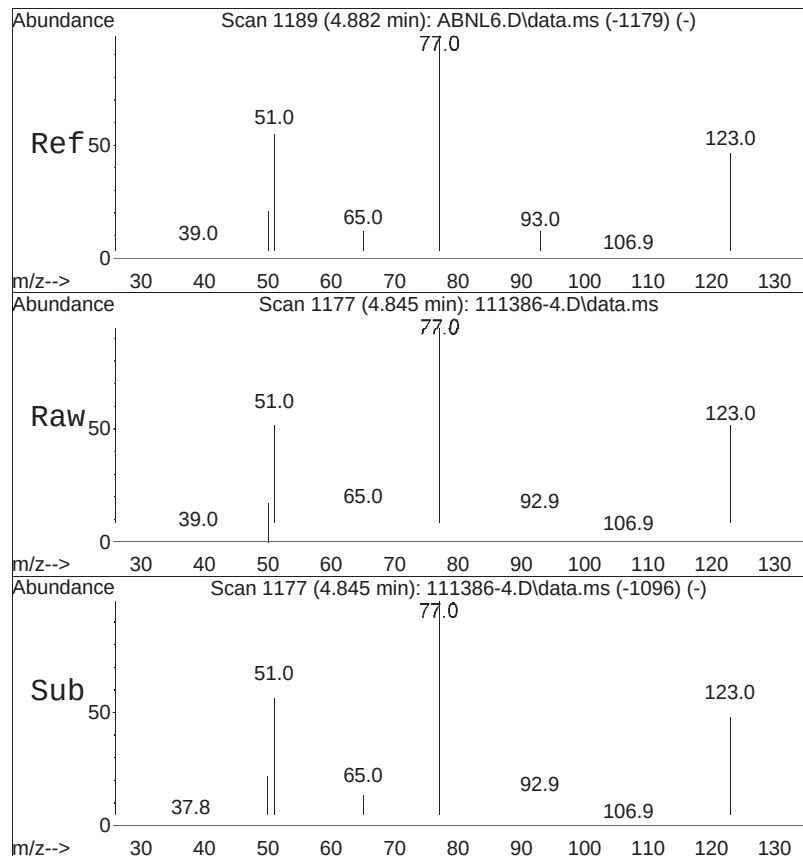




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.39 ug/ml
 RT: 4.743 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

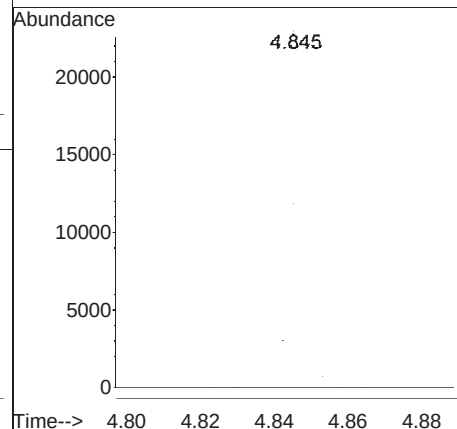
Tgt Ion:	108	Resp:	15629
Ion Ratio	Lower	Upper	
108	100		
107	120.0	88.6	132.8
90	10.8	8.8	13.2

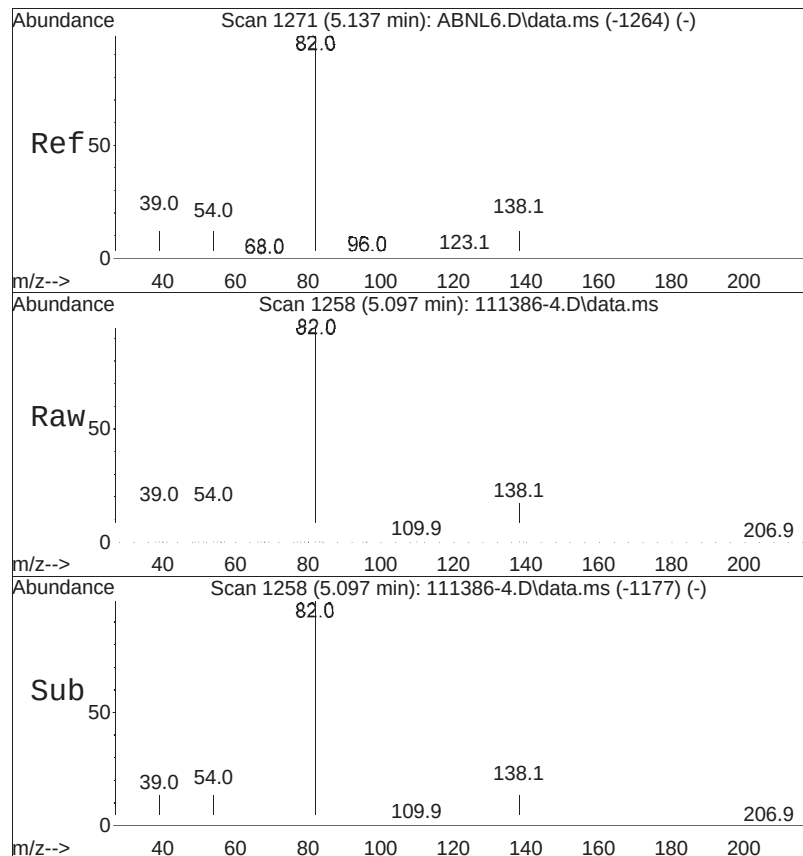




#20
 Nitrobenzene
 Concen: 1.52 ug/ml
 RT: 4.845 min Scan# 1177
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

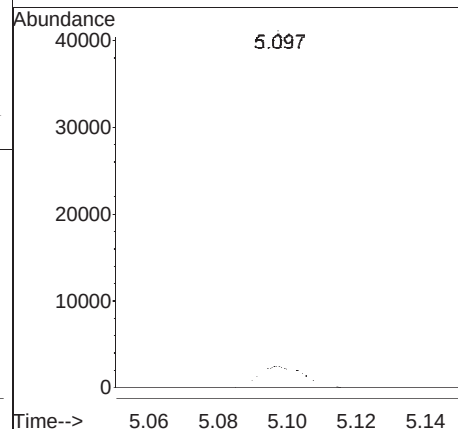
Tgt Ion:	77	Resp:	17848
Ion Ratio	Lower	Upper	
77	100		
123	48.3	36.3	54.5
65	13.6	11.6	17.4

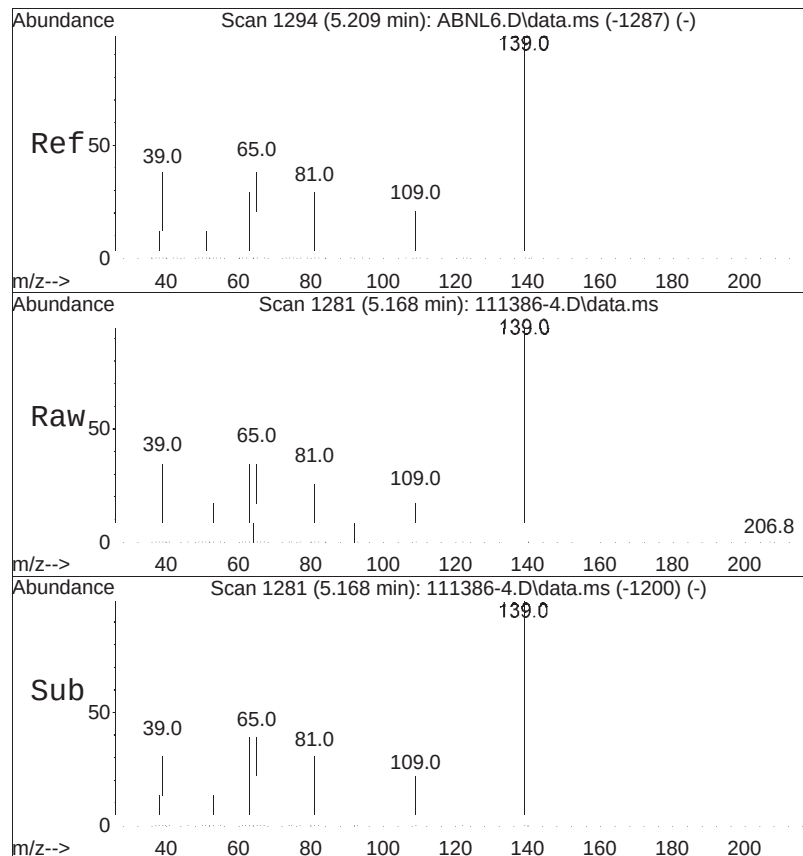




#21
 Isophorone
 Concen: 1.52 ug/ml
 RT: 5.097 min Scan# 1258
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

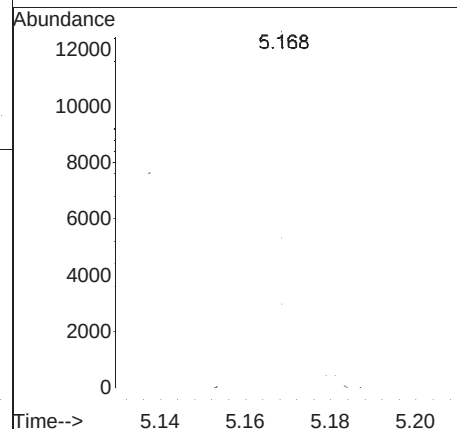
Tgt Ion:	82	Resp:	32436
Ion Ratio	Lower	Upper	
82	100		
138	17.2	14.7	22.1
95	6.8	5.2	7.8

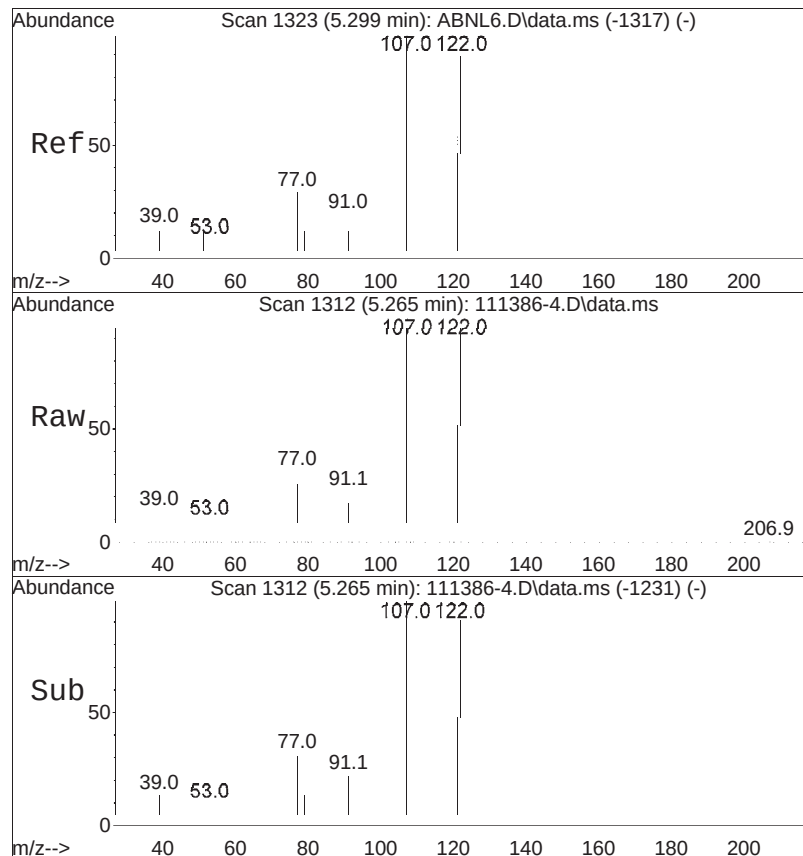




#22
 2-Nitrophenol
 Concen: 1.59 ug/ml
 RT: 5.168 min Scan# 1281
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

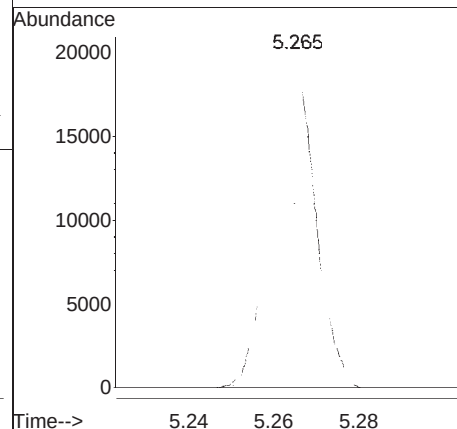
Tgt Ion:	139	Resp:	9452
Ion Ratio	Lower	Upper	
139	100		
109	22.9	19.4	29.0
65	43.3	46.1	69.1#

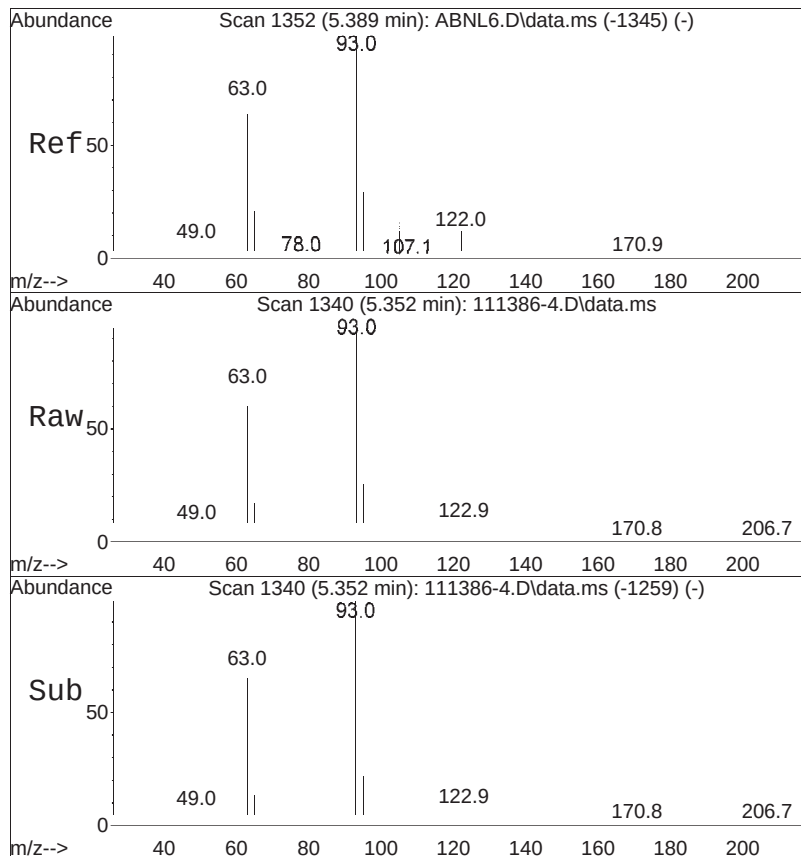




#23
 2,4-Dimethylphenol
 Concen: 1.27 ug/ml
 RT: 5.265 min Scan# 1312
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

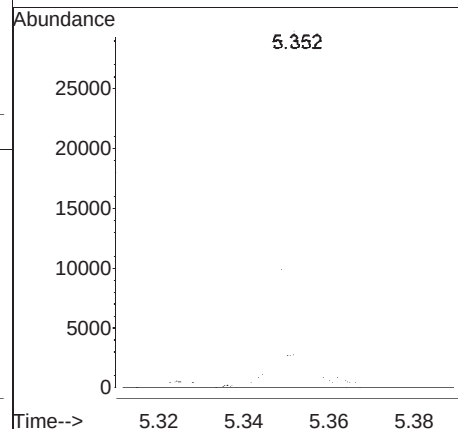
Tgt Ion:	107	Resp:	14971
Ion Ratio	Lower	Upper	
107	100		
121	53.5	40.0	60.0
122	96.0	70.2	105.4

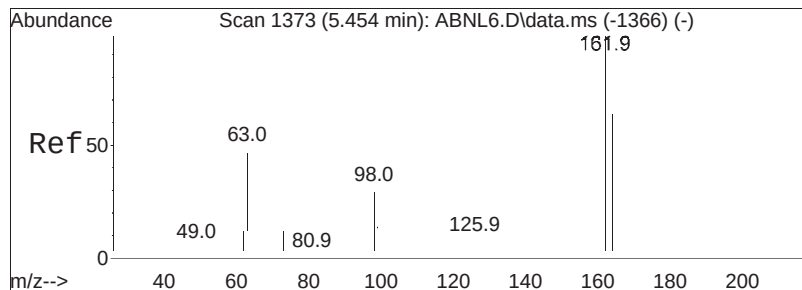




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.54 ug/ml
 RT: 5.352 min Scan# 1340
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	22133		
95	33.2		25.8	38.8
123	9.2		10.1	15.1#





#25

2,4-Dichlorophenol

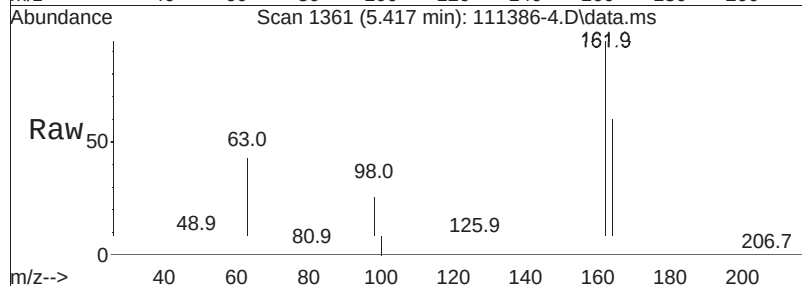
Concen: 1.57 ug/ml

RT: 5.417 min Scan# 1361

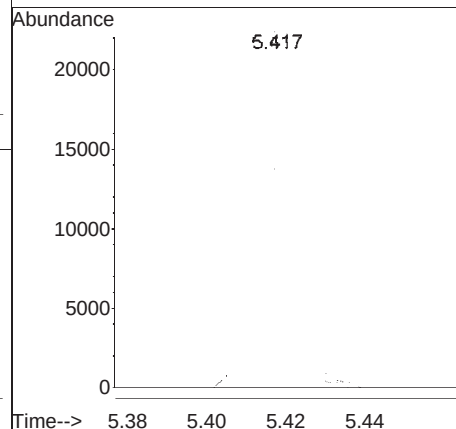
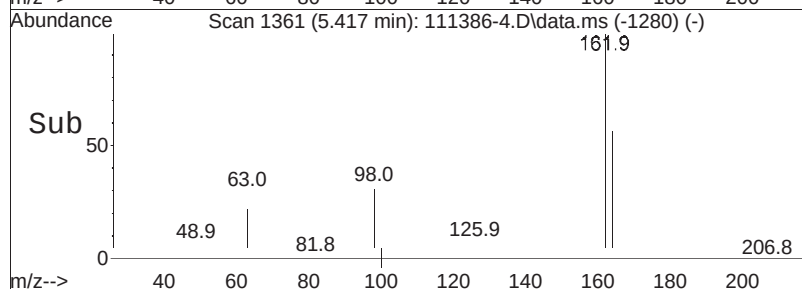
Delta R.T. 0.003 min

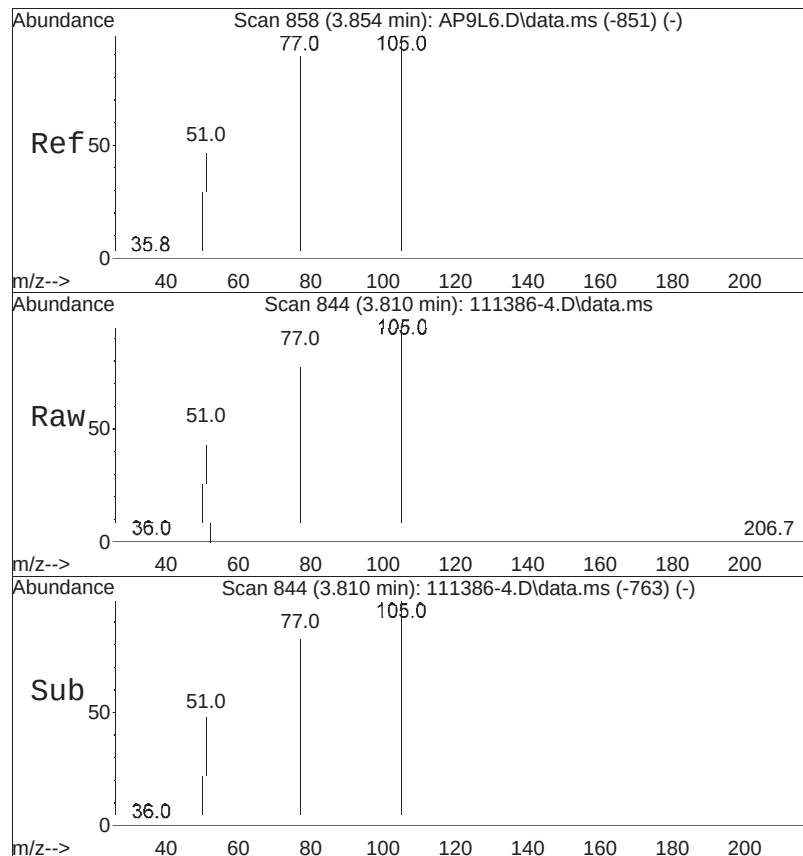
Lab File: 111386-4.D

Acq: 6 Sep 2025 12:04 pm



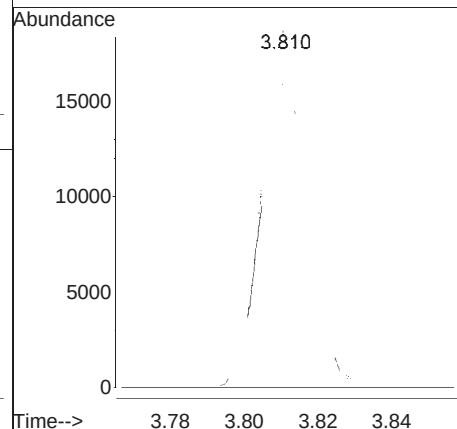
Tgt Ion:	162	Resp:	17116
Ion Ratio	Lower	Upper	
162	100		
164	63.6	51.0	76.4
98	32.9	32.2	48.2

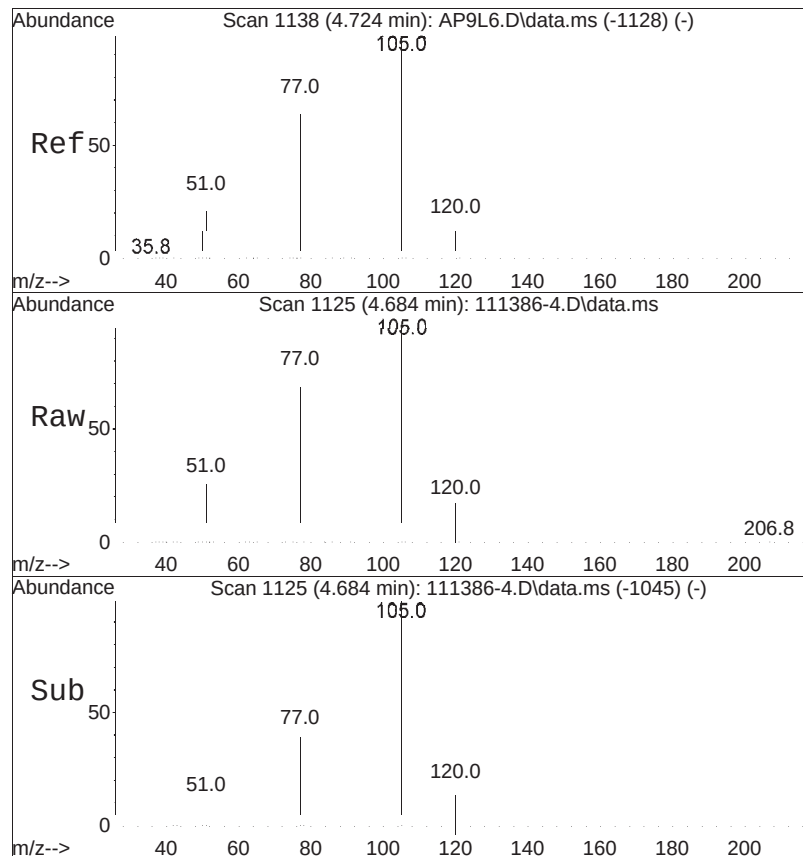




#28
Benzaldehyde
Concen: 2.55 ug/ml
RT: 3.810 min Scan# 844
Delta R.T. 0.003 min
Lab File: 111386-4.D
Acq: 6 Sep 2025 12:04 pm

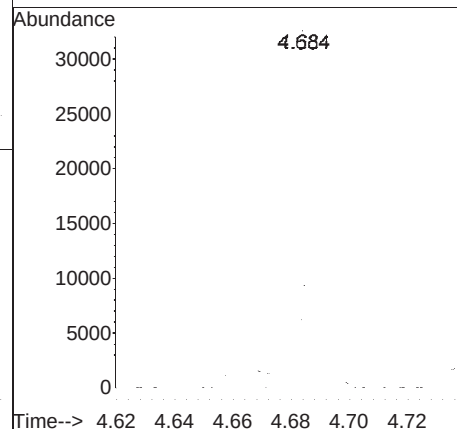
Tgt Ion	105	Ratio	Lower	Upper
105	100			
77	89.9	82.2	123.4	

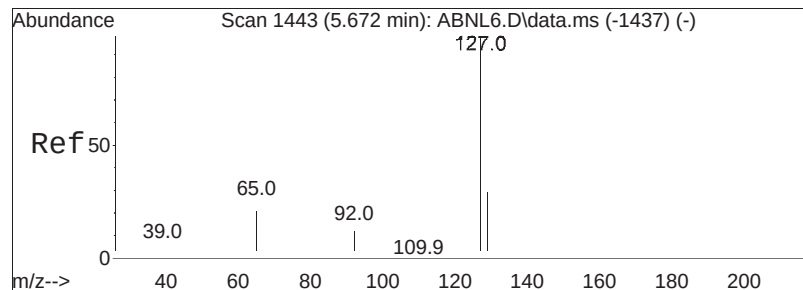




#29
 Acetophenone
 Concen: 1.55 ug/ml
 RT: 4.684 min Scan# 1125
 Delta R.T. 0.000 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

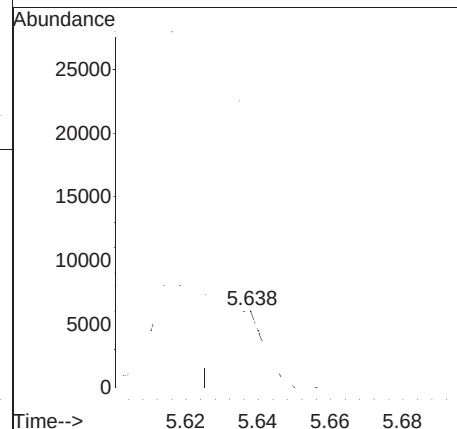
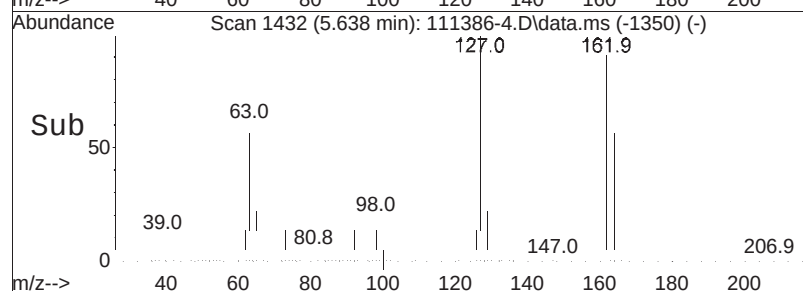
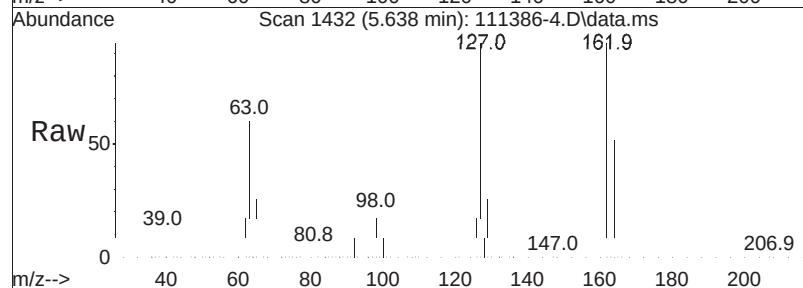
Tgt Ion	Ratio	Resp: Lower	Upper
105	100		
120	19.0	20.5	30.7#
51	28.6	34.9	52.3#

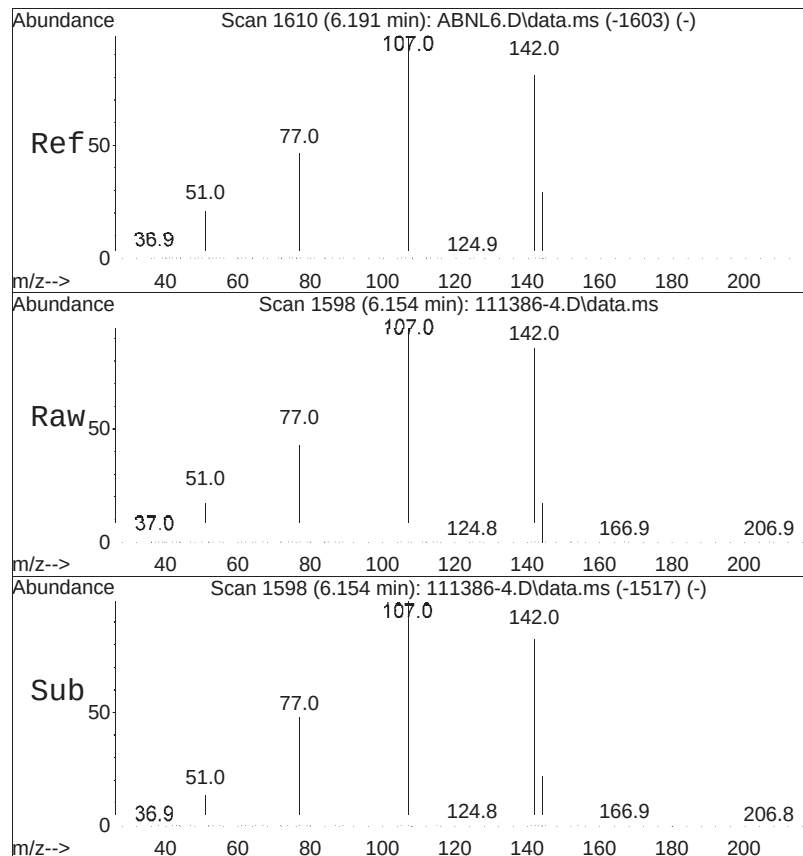




#38
 4-Chloroaniline
 Concen: 1.08 ug/ml M3
 RT: 5.638 min Scan# 1432
 Delta R.T. 0.006 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

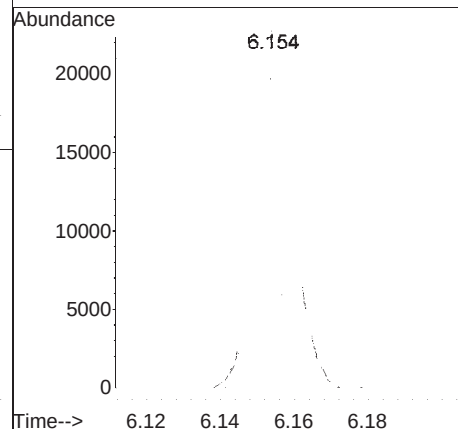
Tgt Ion	Ratio	Lower	Upper
65	100		
127	432.4	237.6	356.4#
129	140.5	76.3	114.5#

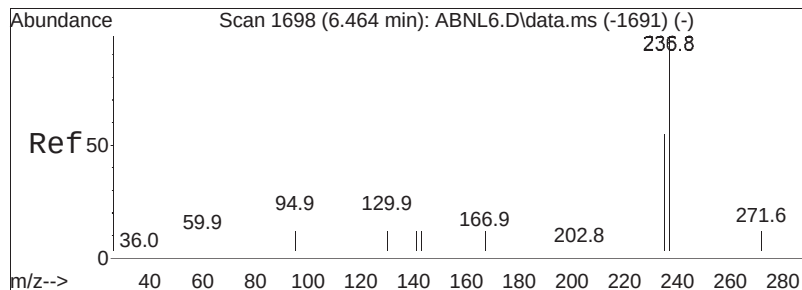




#40
 p-Chloro-m-cresol
 Concen: 1.56 ug/ml
 RT: 6.154 min Scan# 1598
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

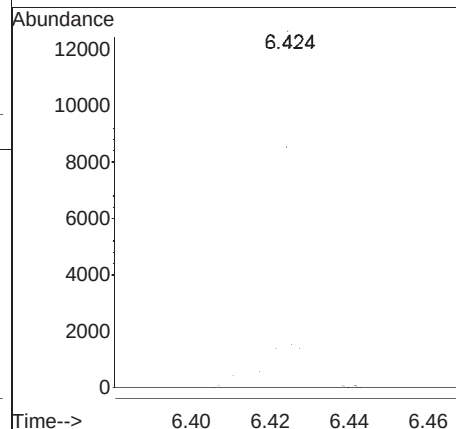
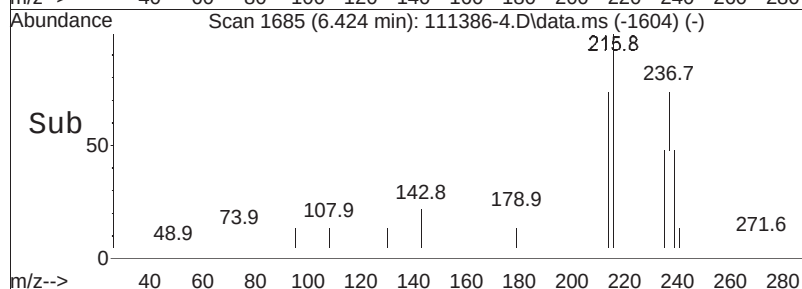
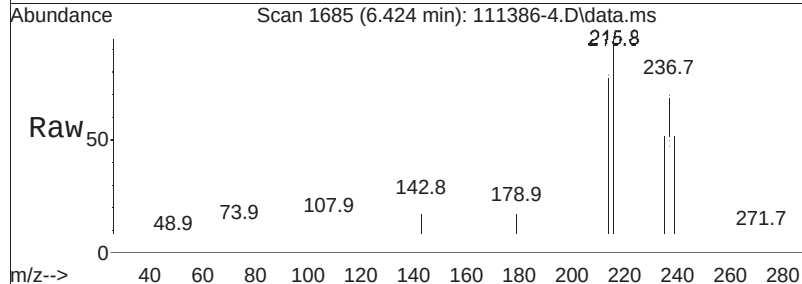
Tgt Ion:	107	Resp:	16548
Ion Ratio	Lower	Upper	
107	100		
144	28.0	20.9	31.3
142	85.5	66.1	99.1

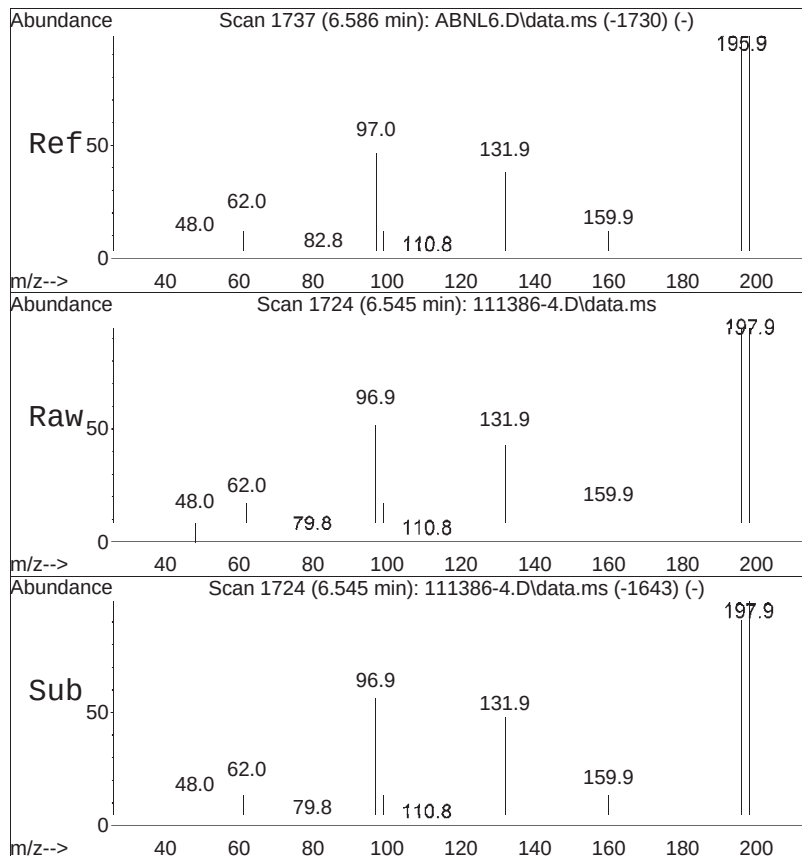




#43
 Hexachlorocyclopentadiene
 Concen: 1.10 ug/ml
 RT: 6.424 min Scan# 1685
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

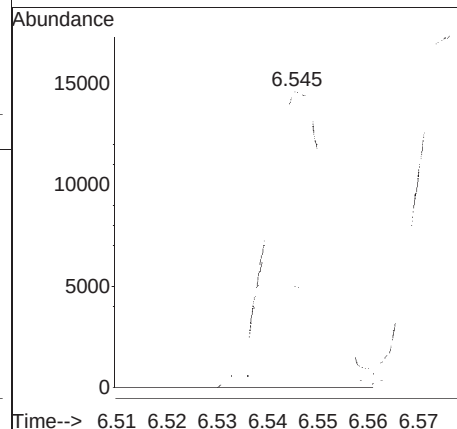
Tgt Ion	Ratio	Lower	Upper
237	100		
235	60.9	49.7	74.5
272	12.4	9.8	14.6

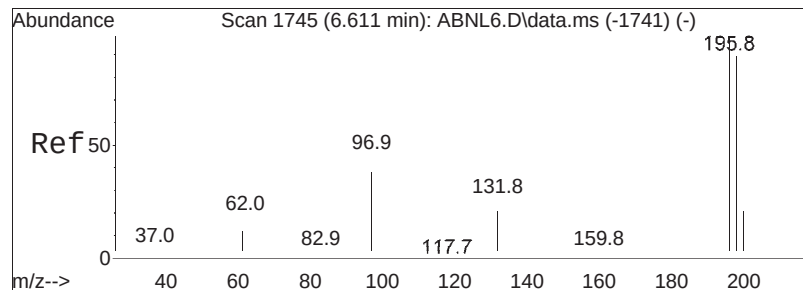




#44
 2,4,6-Trichlorophenol
 Concen: 1.51 ug/ml
 RT: 6.545 min Scan# 1724
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

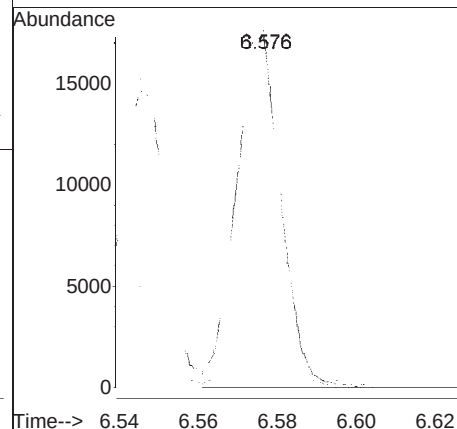
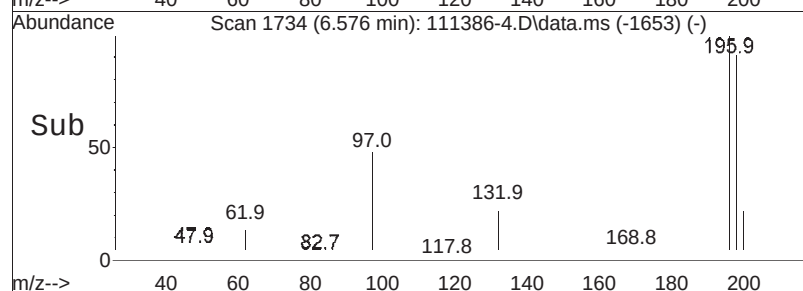
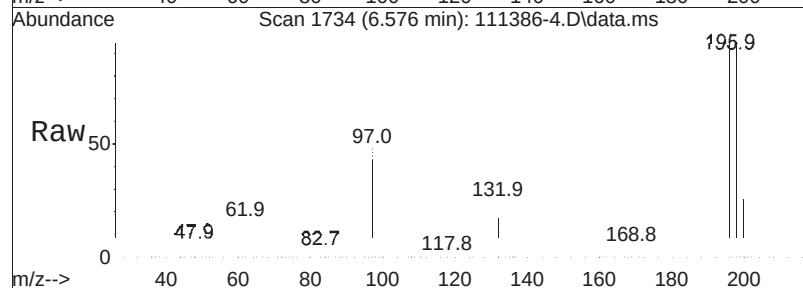
Tgt Ion:	196	Resp:	12109
Ion Ratio	Lower	Upper	
196	100		
198	100.5	77.5	116.3
200	30.8	23.8	35.6

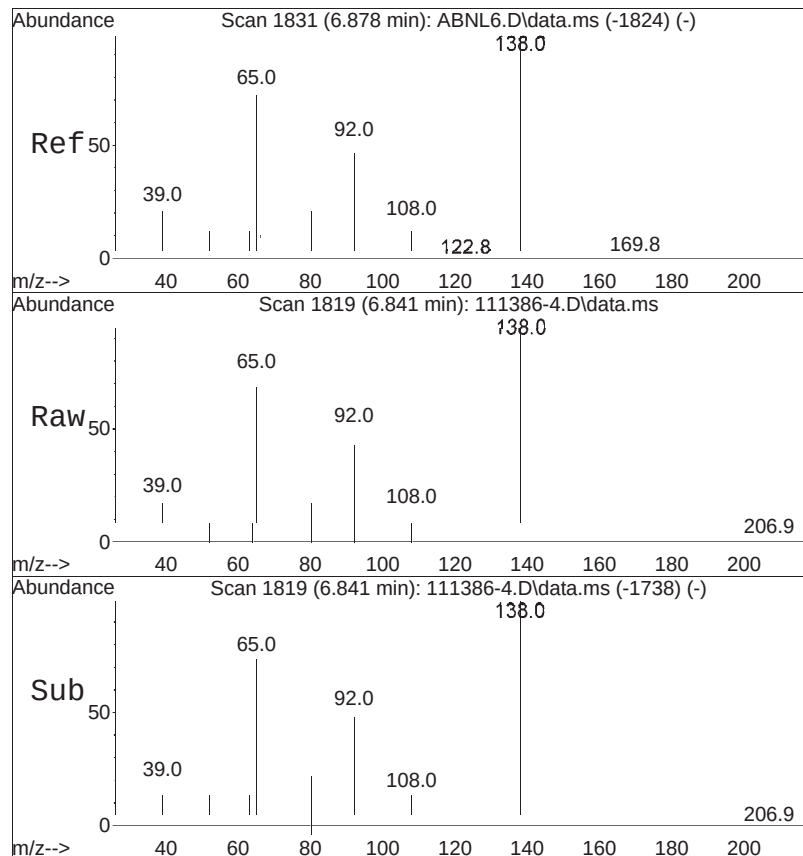




#45
 2,4,5-Trichlorophenol
 Concen: 1.51 ug/ml
 RT: 6.576 min Scan# 1734
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

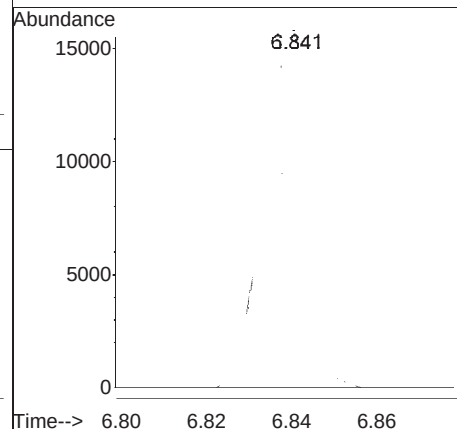
Tgt Ion	Ratio	Lower	Upper
196	100		
200	32.1	25.4	38.0
198	101.7	78.0	117.0

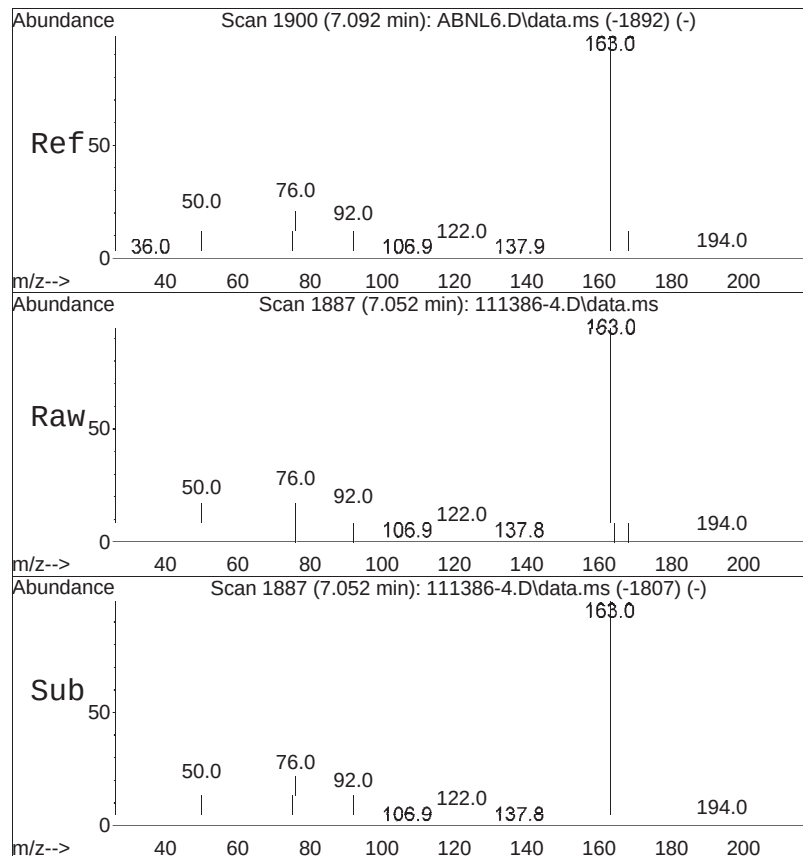




#48
 2-Nitroaniline
 Concen: 1.55 ug/ml
 RT: 6.841 min Scan# 1819
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

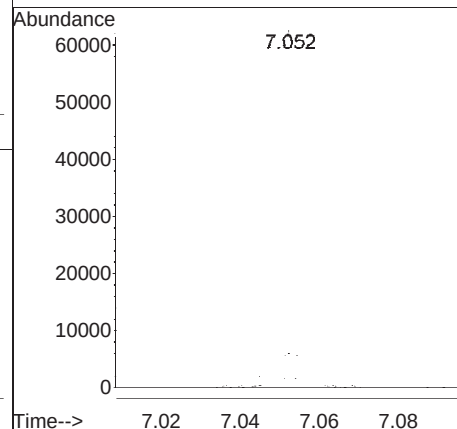
Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.8	53.5	80.3
65	83.4	86.3	129.5#

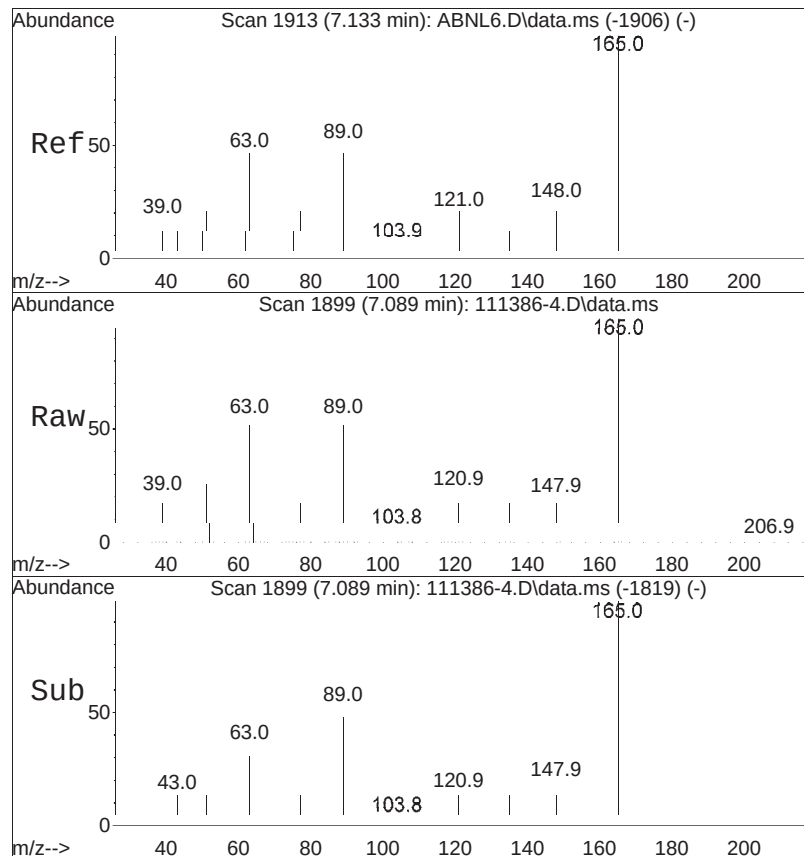




#51
 Dimethyl phthalate
 Concen: 1.47 ug/ml
 RT: 7.052 min Scan# 1887
 Delta R.T. -0.000 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

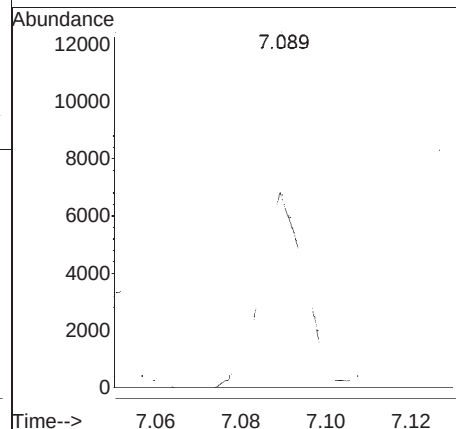
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	47044		
194	2.7		3.5	5.3#
164	9.7		7.9	11.9

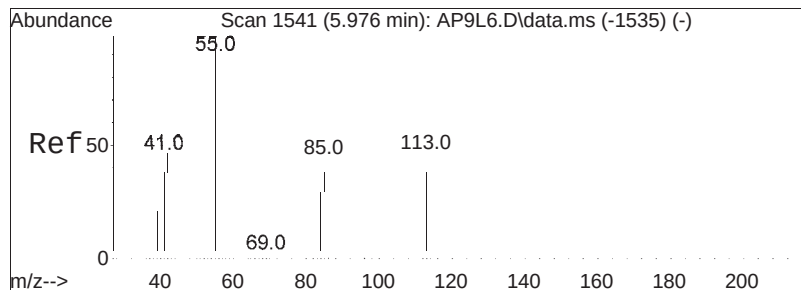




#53
 2,6-Dinitrotoluene
 Concen: 1.42 ug/ml
 RT: 7.089 min Scan# 1899
 Delta R.T. -0.000 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

Tgt Ion:	165	Resp:	8906
Ion Ratio	Lower	Upper	
165	100		
89	54.1	54.2	81.2#
63	56.5	64.2	96.2#





#60

Caprolactam

Concen: 0.66 ug/ml

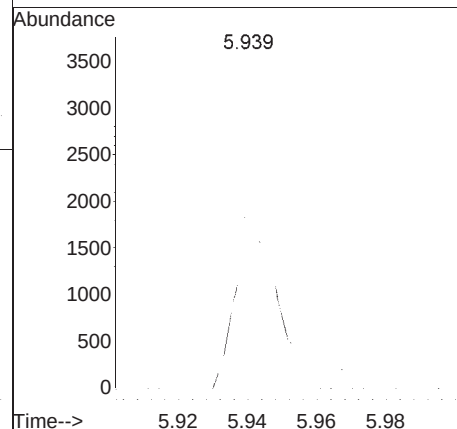
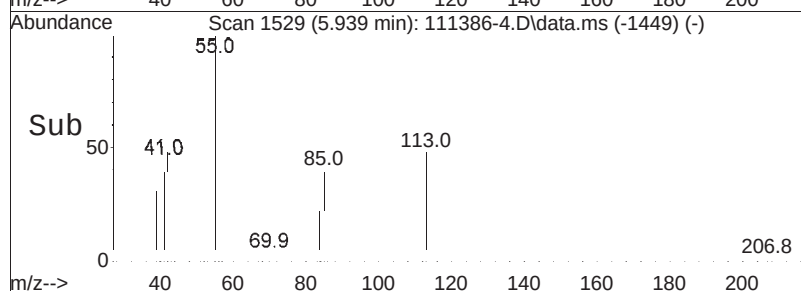
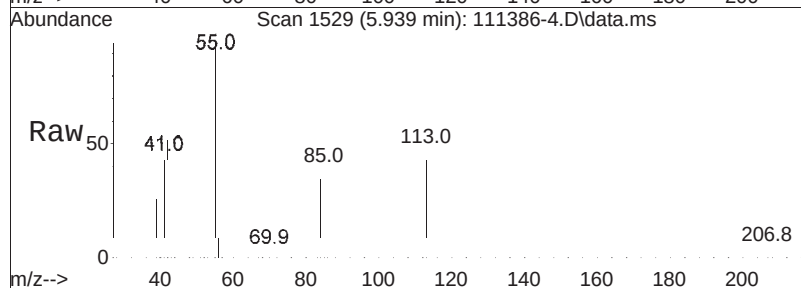
RT: 5.939 min Scan# 1529

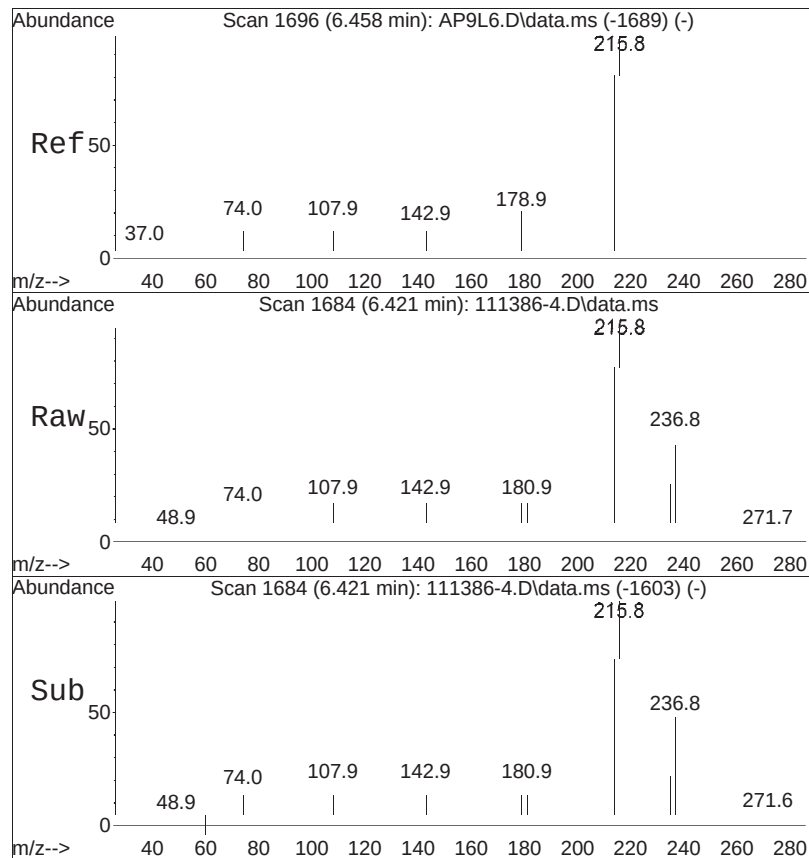
Delta R.T. 0.000 min

Lab File: 111386-4.D

Acq: 6 Sep 2025 12:04 pm

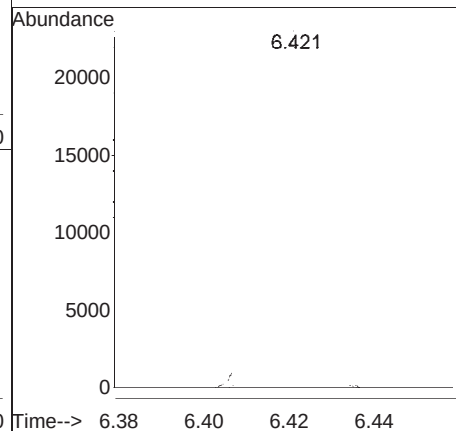
Tgt Ion:	55	Resp:	3529
Ion Ratio	Lower	Upper	
55	100		
85	43.2	19.8	29.6#
113	45.3	29.6	44.4#

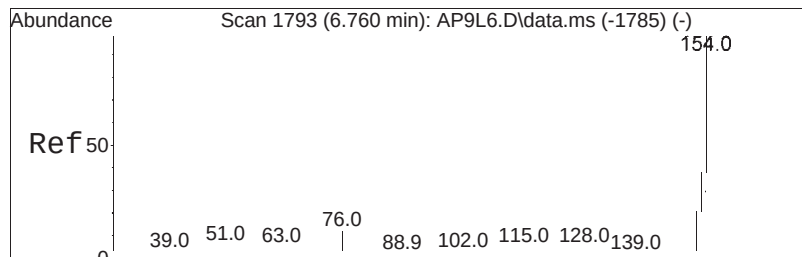




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.33 ug/ml
 RT: 6.421 min Scan# 1684
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

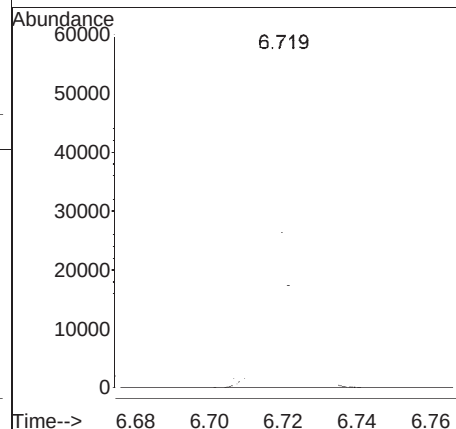
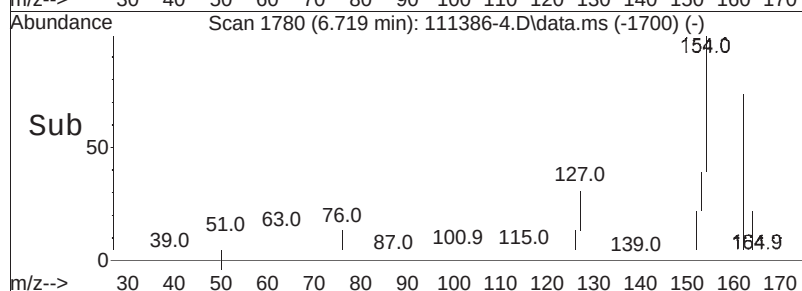
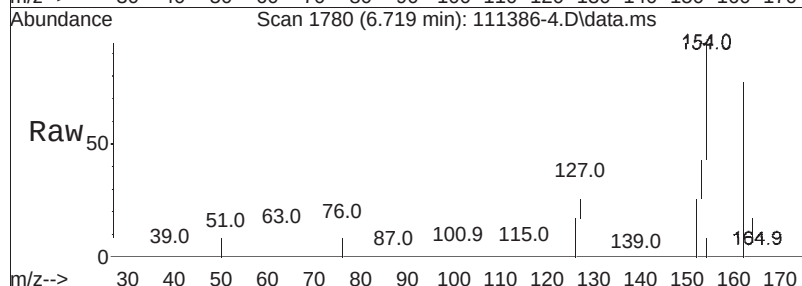
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	18555		
214	79.7		63.7	95.5
179	19.8		19.0	28.6

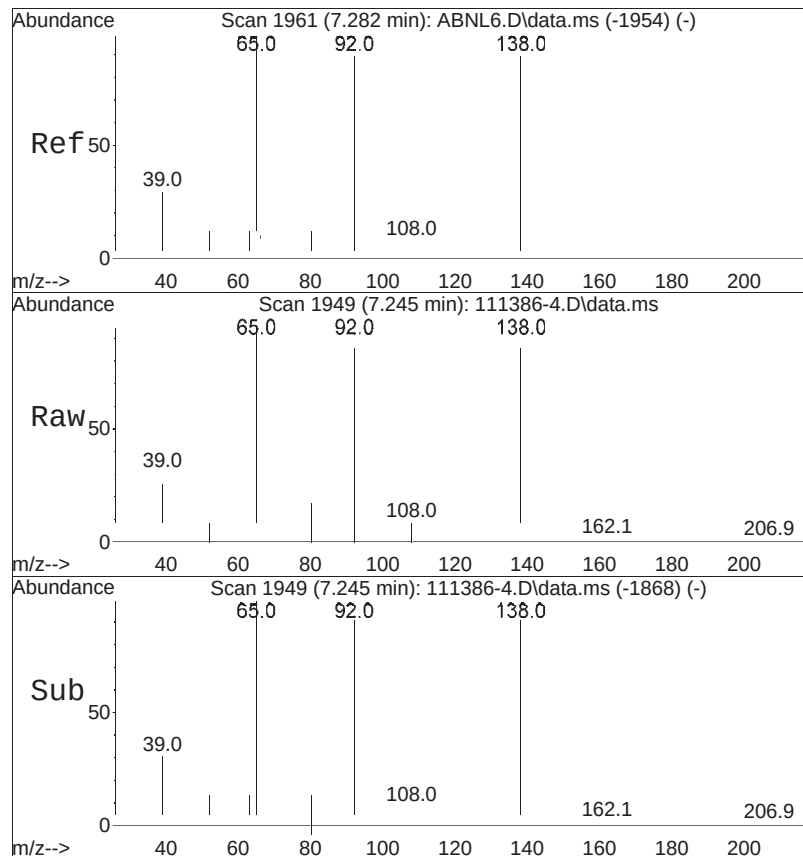




#62
 Biphenyl
 Concen: 1.40 ug/ml
 RT: 6.719 min Scan# 1780
 Delta R.T. 0.000 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

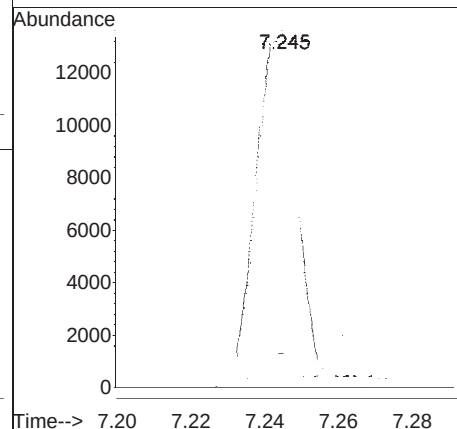
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	32.3	48.5
152	28.4	22.5	33.7

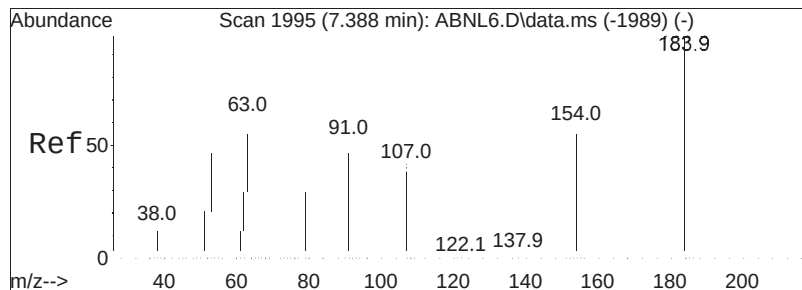




#64
 3-Nitroaniline
 Concen: 1.40 ug/ml
 RT: 7.245 min Scan# 1949
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

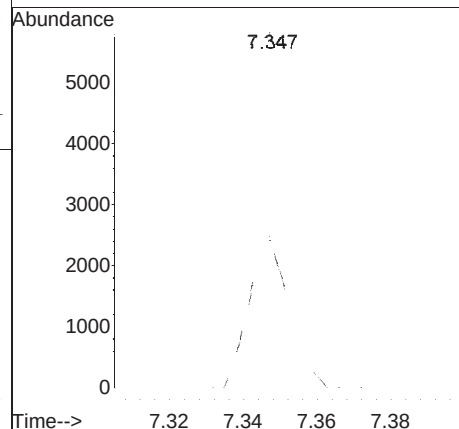
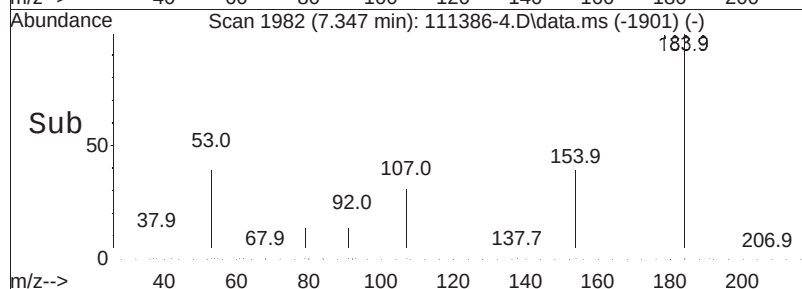
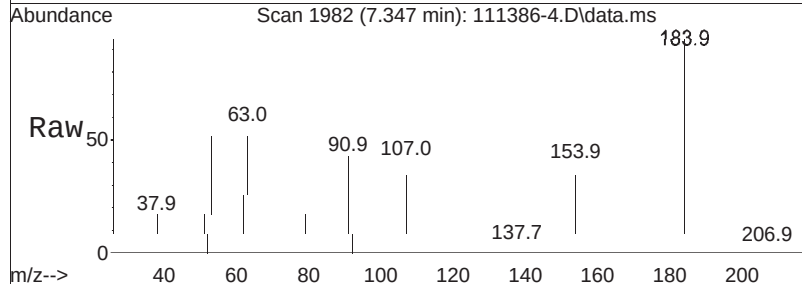
Tgt Ion	Ratio	Lower	Upper
138	100		
92	106.1	93.4	140.2
108	8.6	9.5	14.3

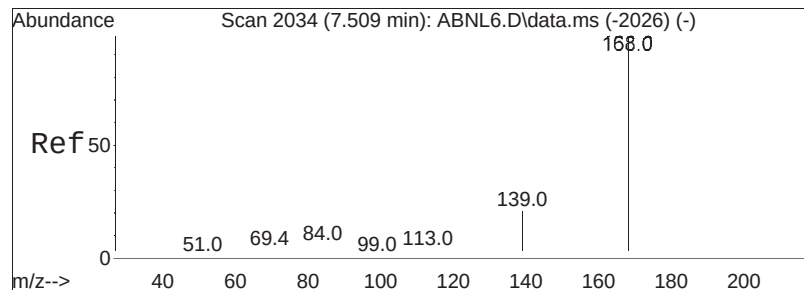




#66
 2,4-Dinitrophenol
 Concen: 1.10 ug/ml
 RT: 7.347 min Scan# 1982
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

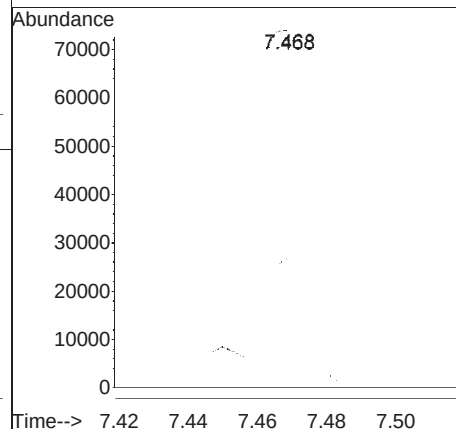
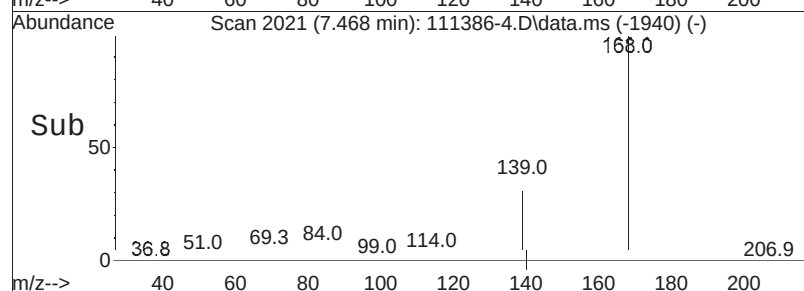
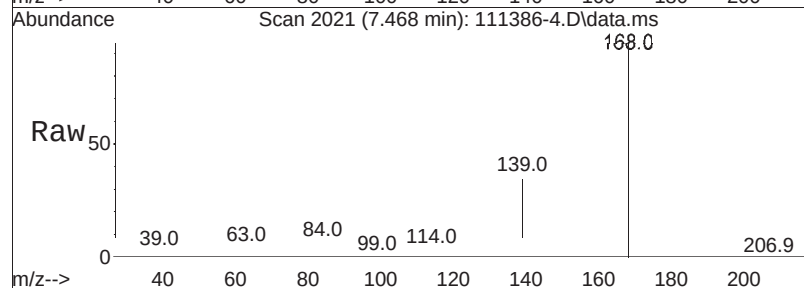
Tgt Ion:	184	Resp:	3936
Ion Ratio	Lower	Upper	
184	100		
107	45.7	37.7	56.5
91	48.3	46.3	69.5

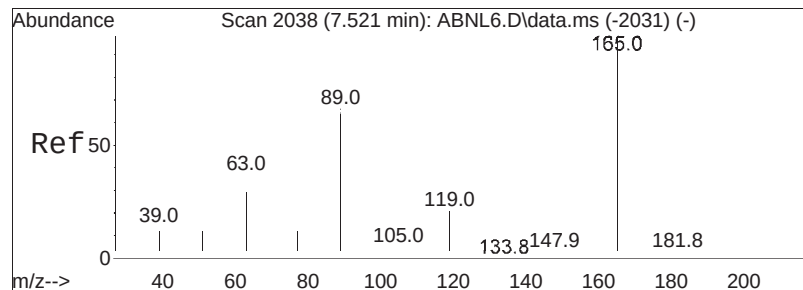




#67
 Dibenzofuran
 Concen: 1.50 ug/ml
 RT: 7.468 min Scan# 2021
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

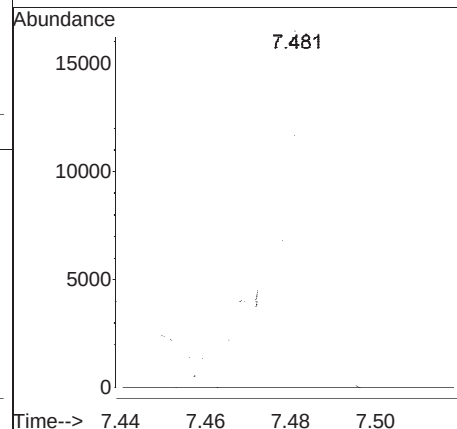
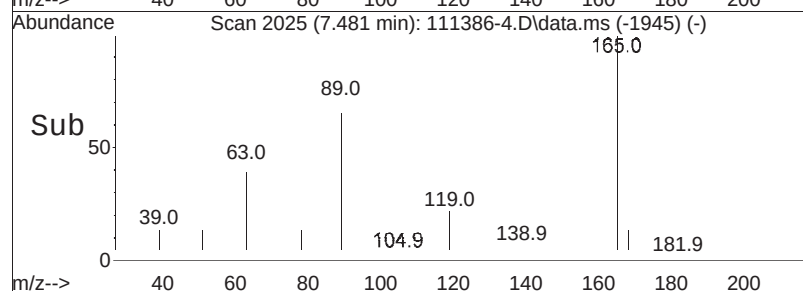
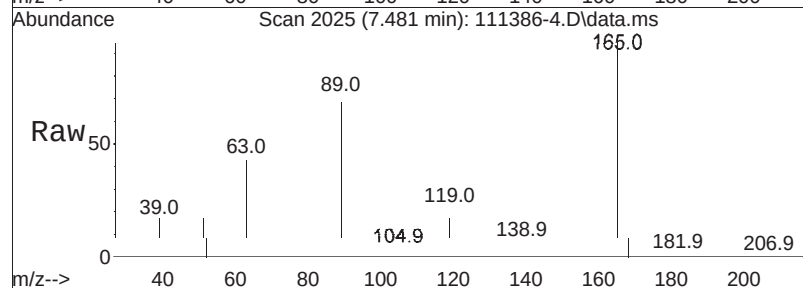
Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.1	31.4	47.2

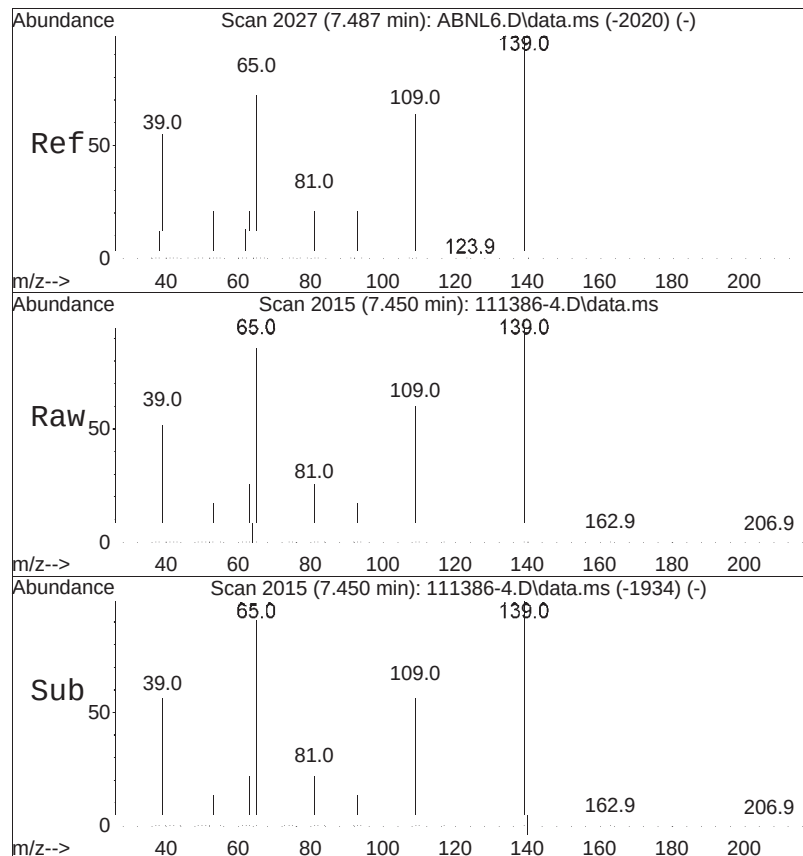




#68
 2,4-Dinitrotoluene
 Concen: 1.50 ug/ml
 RT: 7.481 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

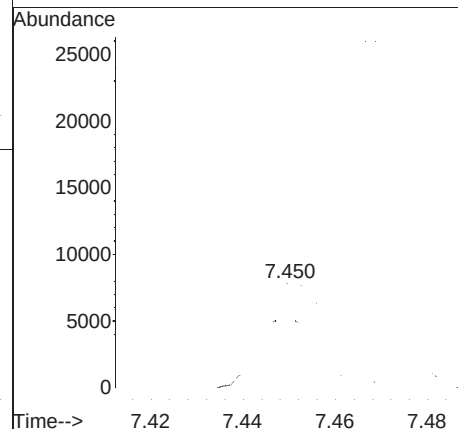
Tgt Ion:	165	Resp:	12475
Ion Ratio	Lower	Upper	
165	100		
89	83.7	72.0	108.0
63	63.4	52.7	79.1

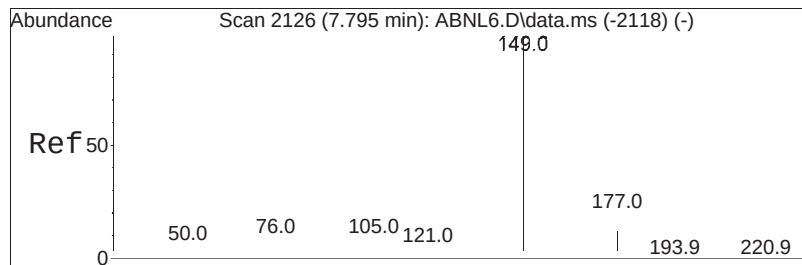




#69
 4-Nitrophenol
 Concen: 1.11 ug/ml
 RT: 7.450 min Scan# 2015
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

Tgt Ion:	65	Resp:	5707
Ion Ratio	Lower	Upper	
65	100		
109	76.6	47.4	71.2#
139	114.9	76.6	115.0





#72

Diethyl phthalate

Concen: 1.46 ug/ml

RT: 7.754 min Scan# 2113

Delta R.T. -0.000 min

Lab File: 111386-4.D

Acq: 6 Sep 2025 12:04 pm

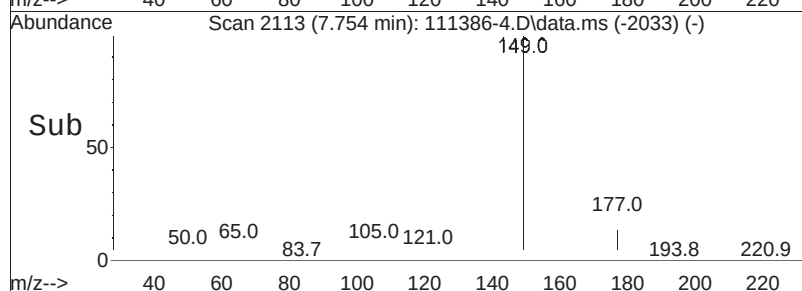
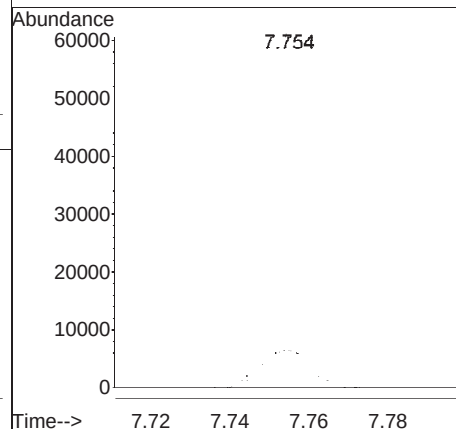
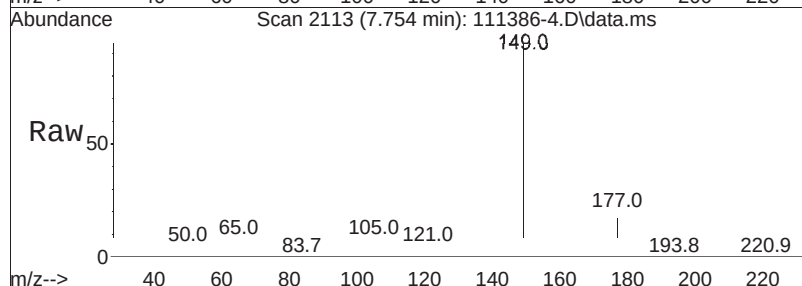
Tgt Ion:149 Resp: 47752

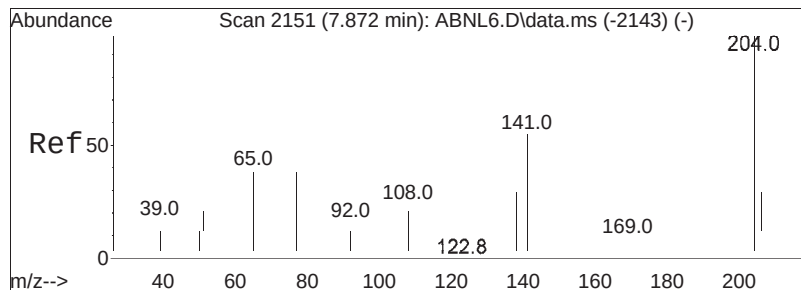
Ion Ratio Lower Upper

149 100

177 18.7 16.1 24.1

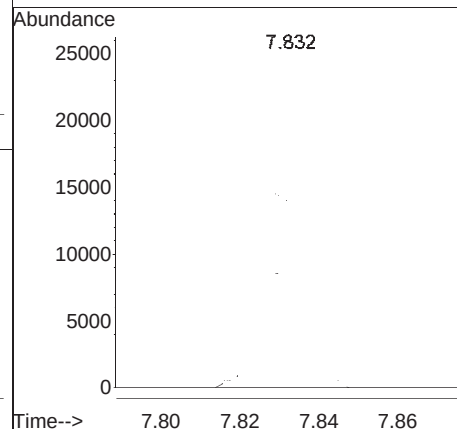
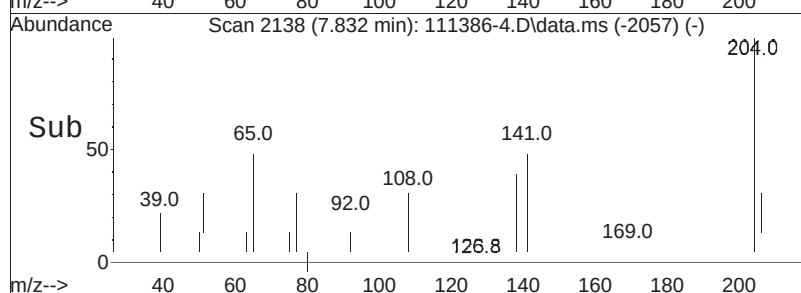
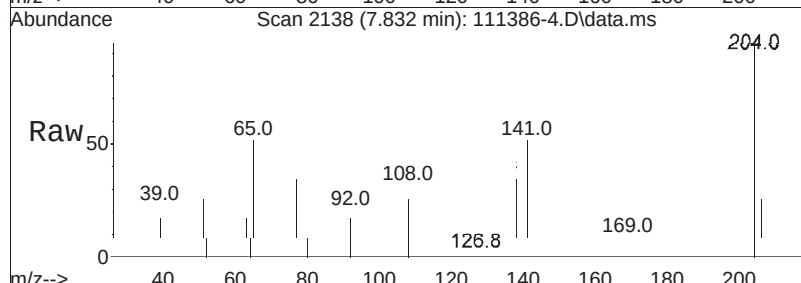
150 11.4 9.4 14.2

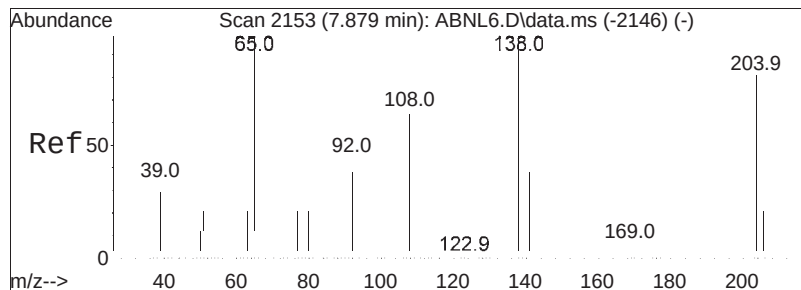




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.45 ug/ml
 RT: 7.832 min Scan# 2138
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

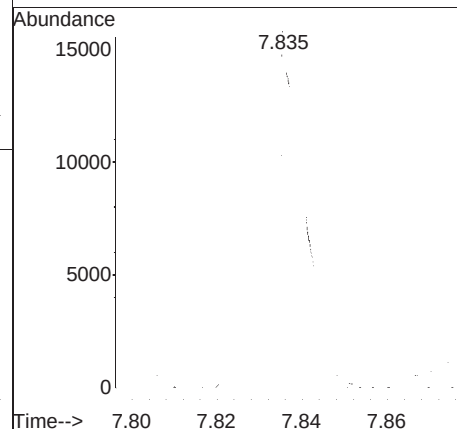
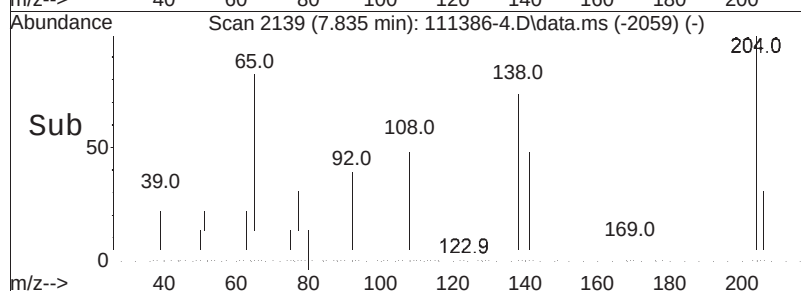
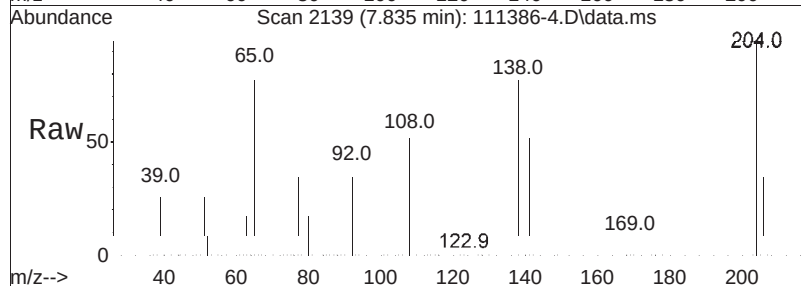
Tgt Ion:	204	Resp:	21529
Ion Ratio	Lower	Upper	
204	100		
206	33.8	25.8	38.6
141	55.9	53.6	80.4

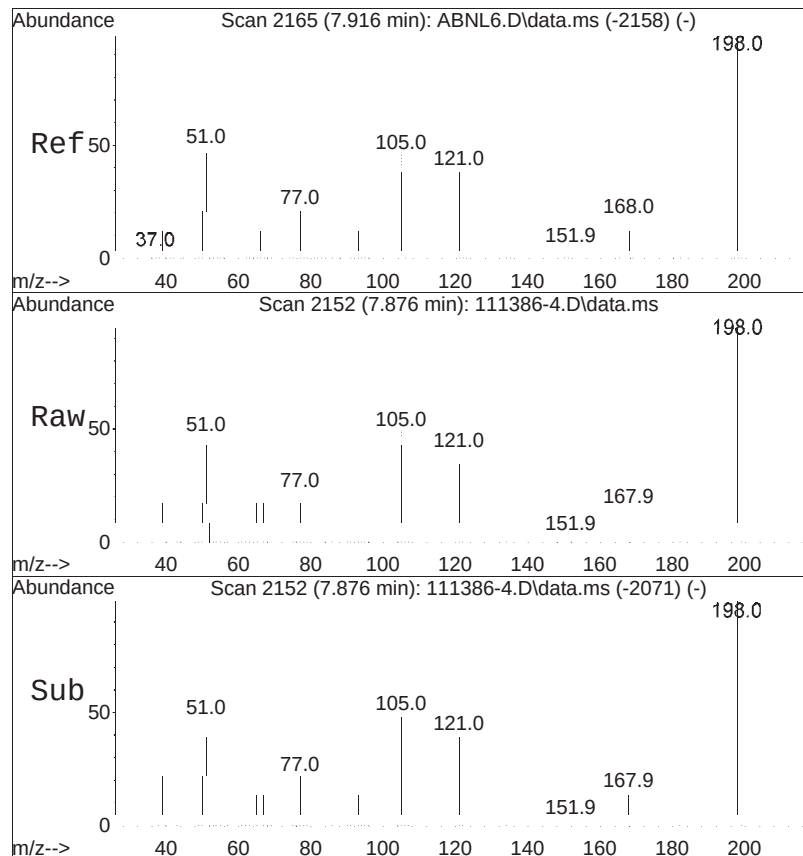




#75
 4-Nitroaniline
 Concen: 1.51 ug/ml
 RT: 7.835 min Scan# 2139
 Delta R.T. -0.000 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

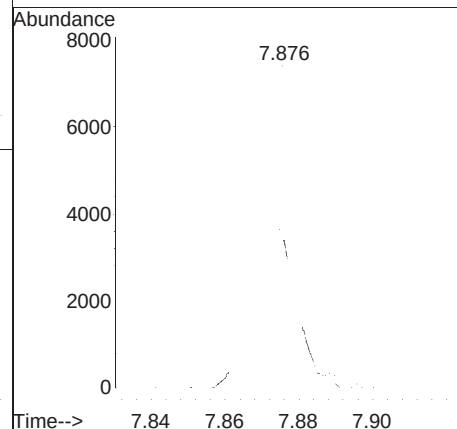
Tgt Ion:	138	Resp:	11017
Ion Ratio	Lower	Upper	
138	100		
108	67.8	52.1	78.1
65	111.7	115.0	172.6#

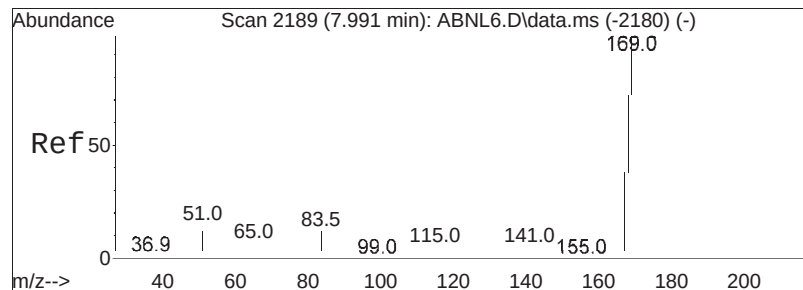




#76
 4,6-Dinitro-o-cresol
 Concen: 1.32 ug/ml
 RT: 7.876 min Scan# 2152
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

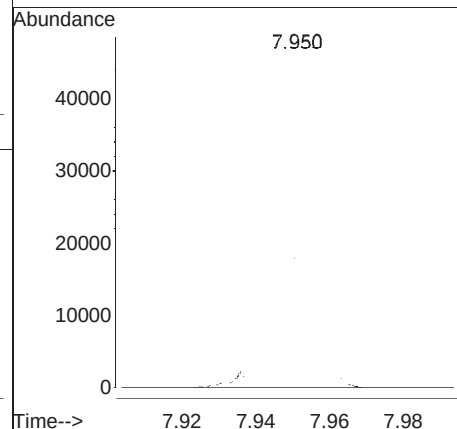
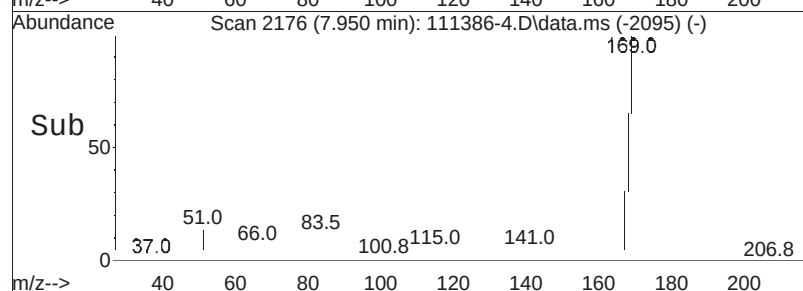
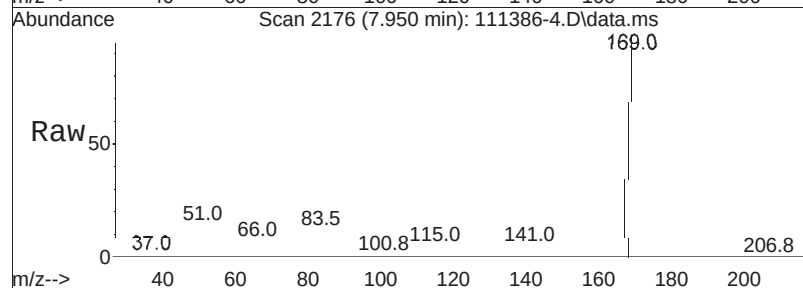
Tgt Ion:	198	Resp:	6085
Ion Ratio	Lower	Upper	
198	100		
51	53.6	76.0	114.0#
105	49.4	45.6	68.4

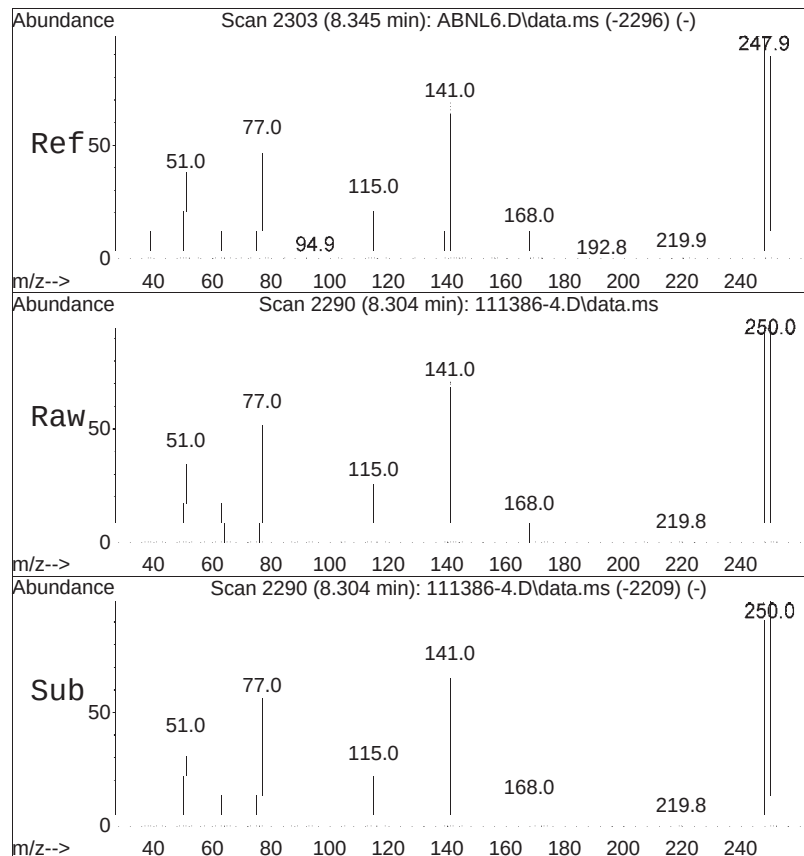




#77
 NDPA/DPA
 Concen: 1.48 ug/ml
 RT: 7.950 min Scan# 2176
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

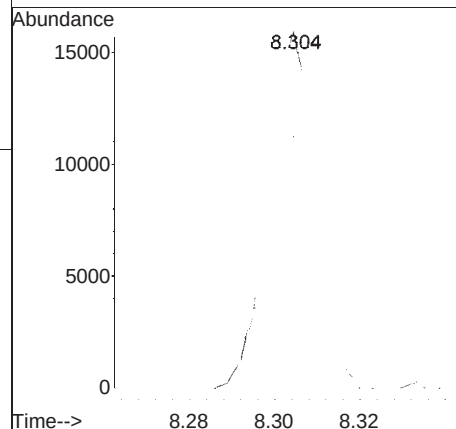
Tgt Ion	Ratio	Lower	Upper
169	100		
168	72.4	54.0	81.0
167	38.8	28.6	42.8

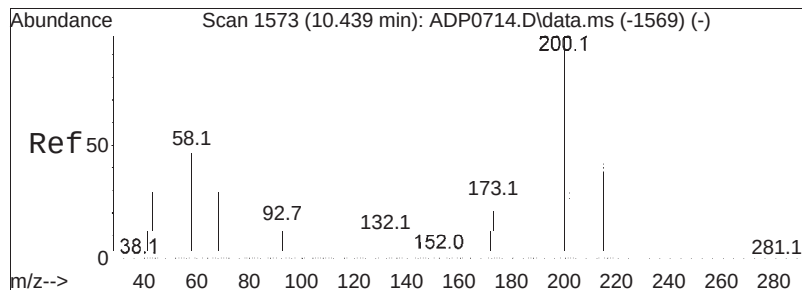




#80
 4-Bromophenyl phenyl ether
 Concen: 1.40 ug/ml
 RT: 8.304 min Scan# 2290
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

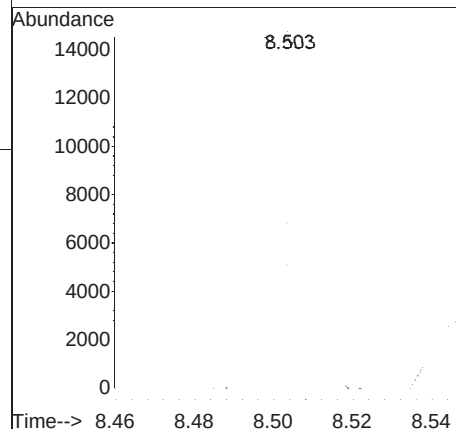
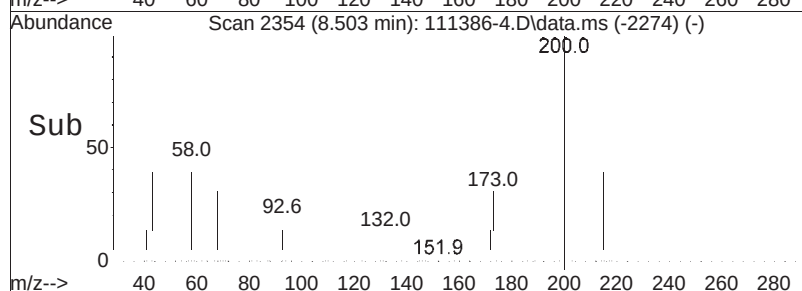
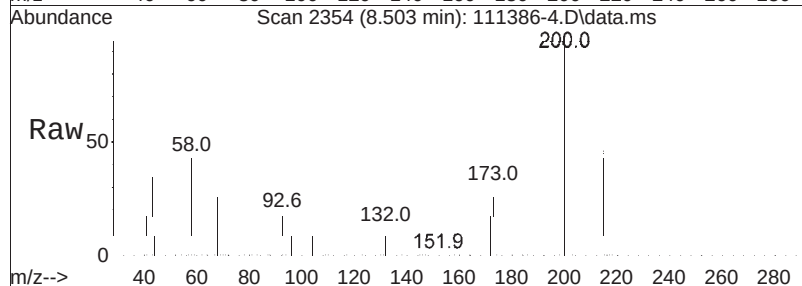
Tgt Ion:	248	Resp:	12862
Ion Ratio	Lower	Upper	
248	100		
141	70.4	76.6	114.8#
250	92.6	77.3	115.9

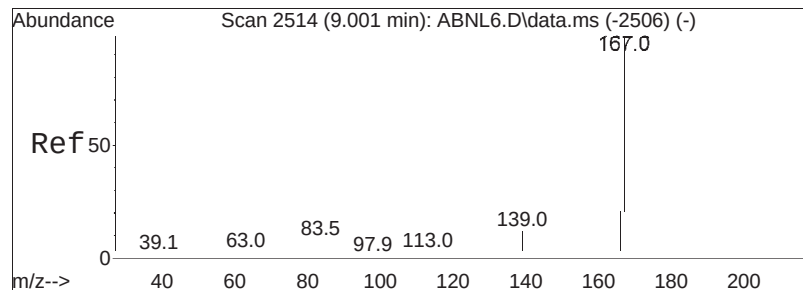




#87
 Atrazine
 Concen: 1.47 ug/ml
 RT: 8.503 min Scan# 2354
 Delta R.T. 0.000 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

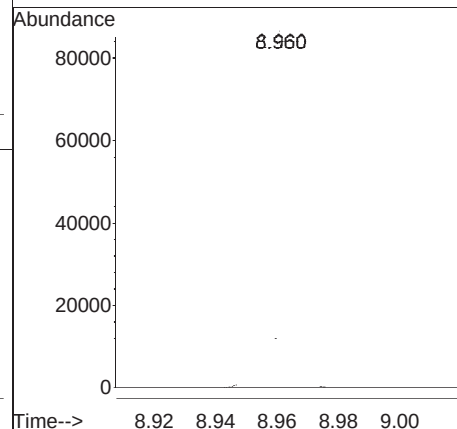
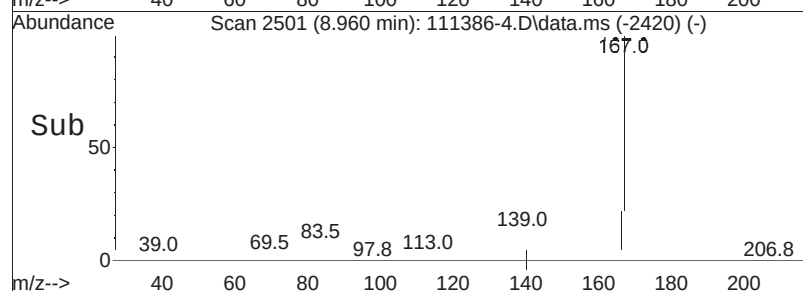
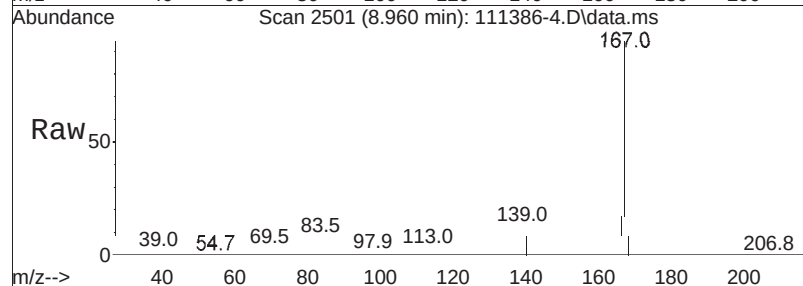
Tgt Ion:	200	Resp:	11806
Ion Ratio	Lower	Upper	
200	100		
202	33.1	25.8	38.6
215	45.4	40.2	60.4

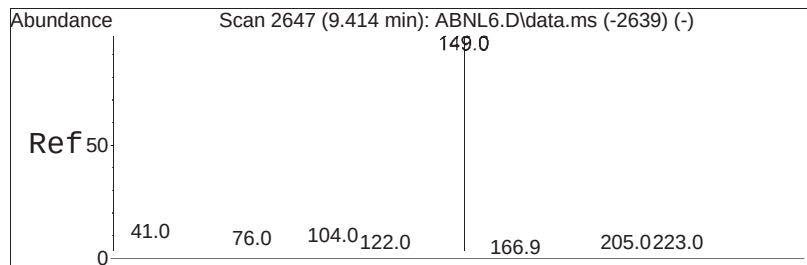




#91
 Carbazole
 Concen: 1.56 ug/ml
 RT: 8.960 min Scan# 2501
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

Tgt Ion	Ratio	Lower	Upper
167	100		
168	14.3	10.6	15.8
166	22.3	17.4	26.0





#92

Di-n-butylphthalate

Concen: 1.52 ug/ml

RT: 9.374 min Scan# 2634

Delta R.T. -0.000 min

Lab File: 111386-4.D

Acq: 6 Sep 2025 12:04 pm

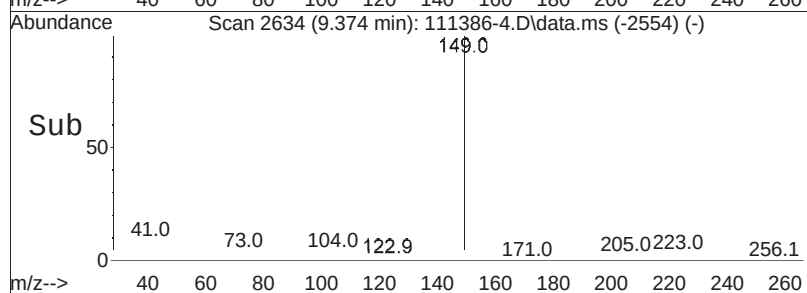
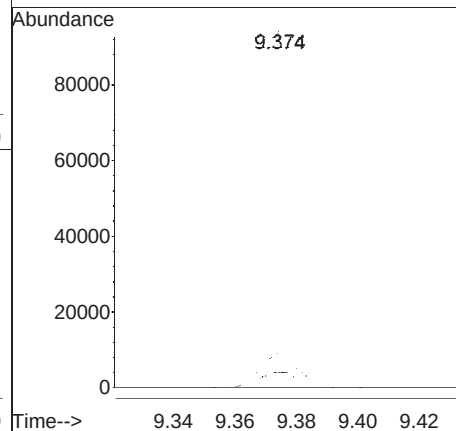
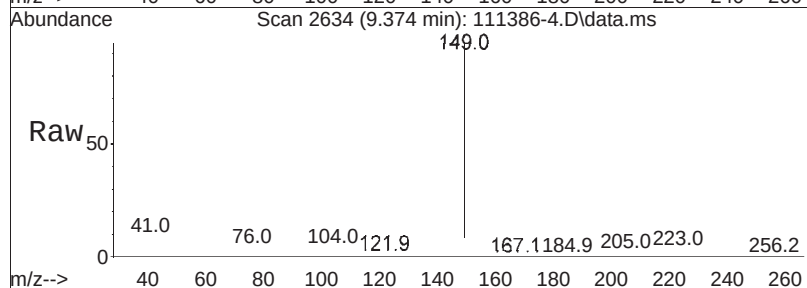
Tgt Ion: 149 Resp: 79158

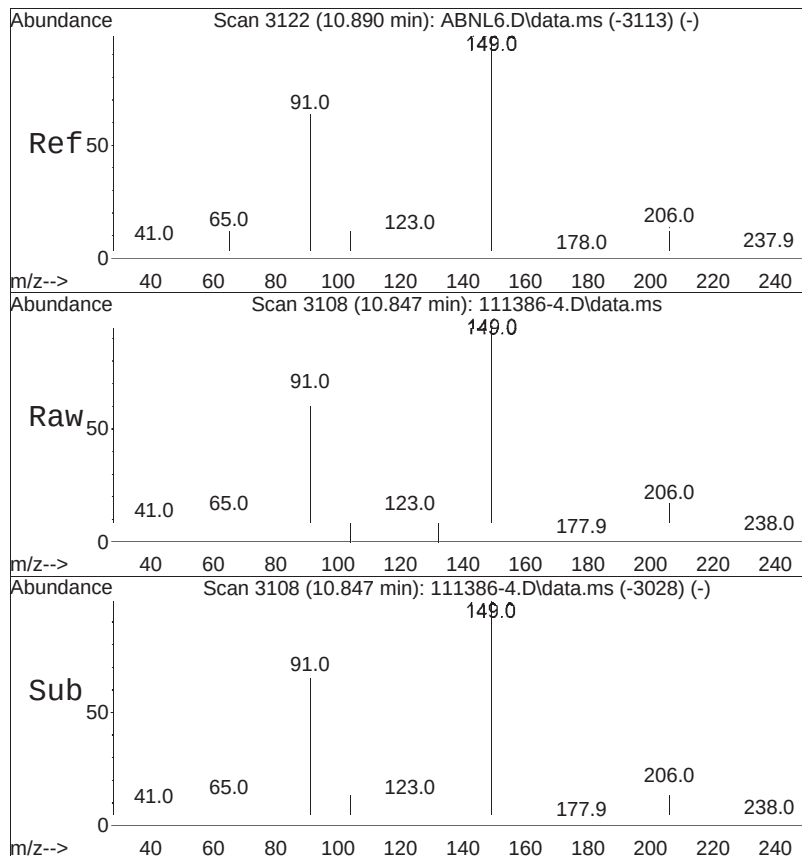
Ion Ratio Lower Upper

149 100

150 9.2 7.0 10.6

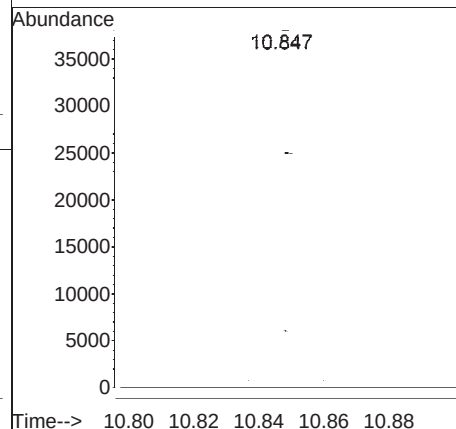
104 4.5 4.5 6.7

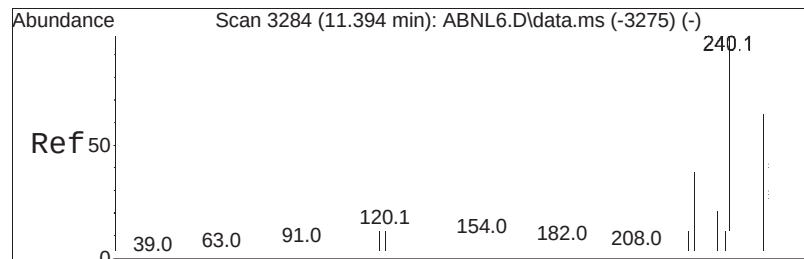




#97
 Butyl benzyl phthalate
 Concen: 1.60 ug/ml
 RT: 10.847 min Scan# 3108
 Delta R.T. -0.000 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

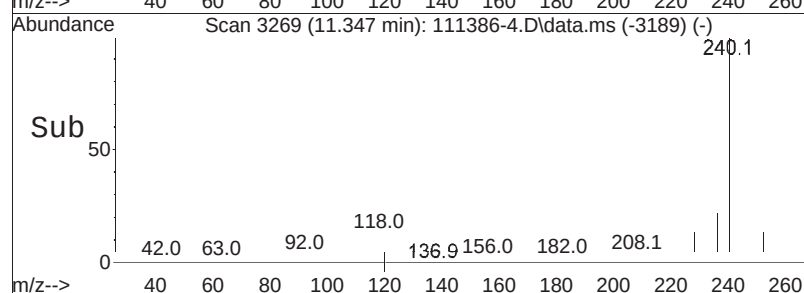
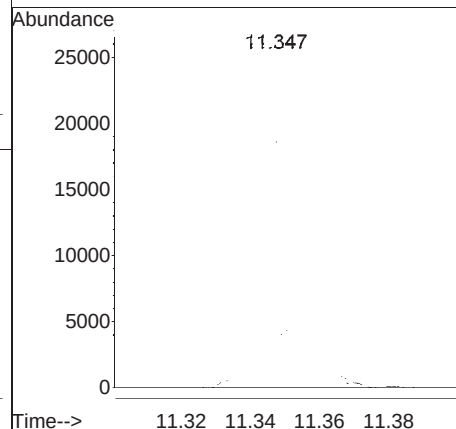
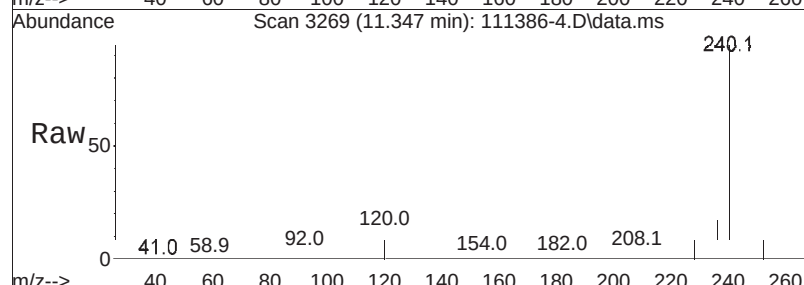
Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.3	63.3	94.9
206	14.5	13.9	20.9

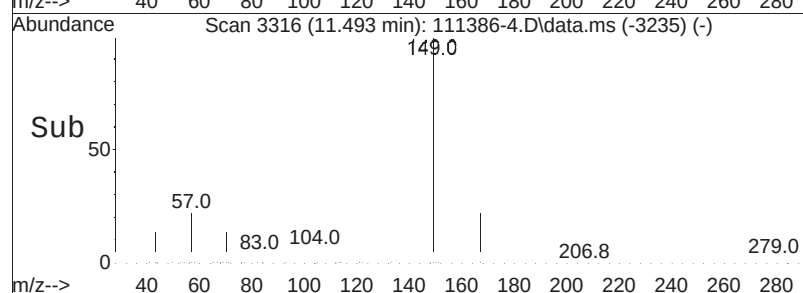
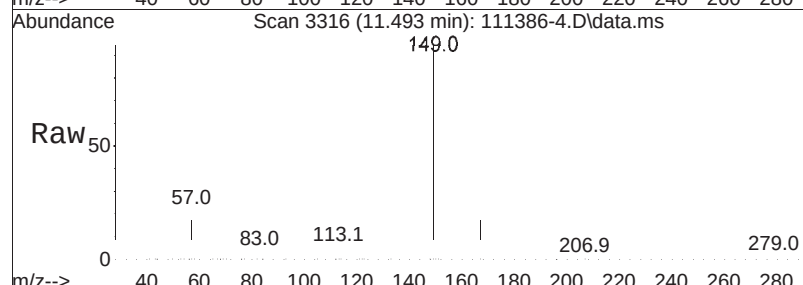
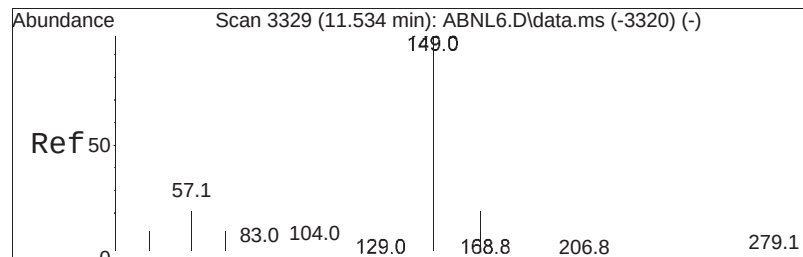




#106
 3,3'-Dichlorobenzidine
 Concen: 1.36 ug/ml
 RT: 11.347 min Scan# 3269
 Delta R.T. -0.000 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

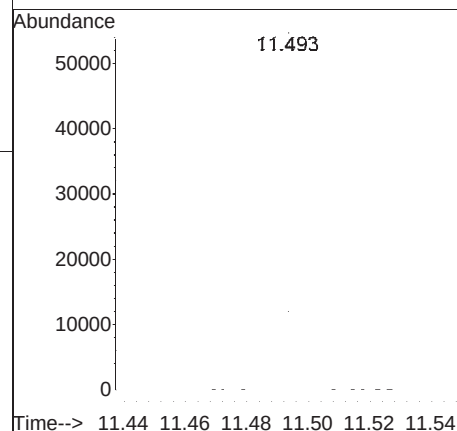
Tgt Ion	Ratio	Lower	Upper
252	100		
126	17.9	14.5	21.7
254	64.6	51.2	76.8

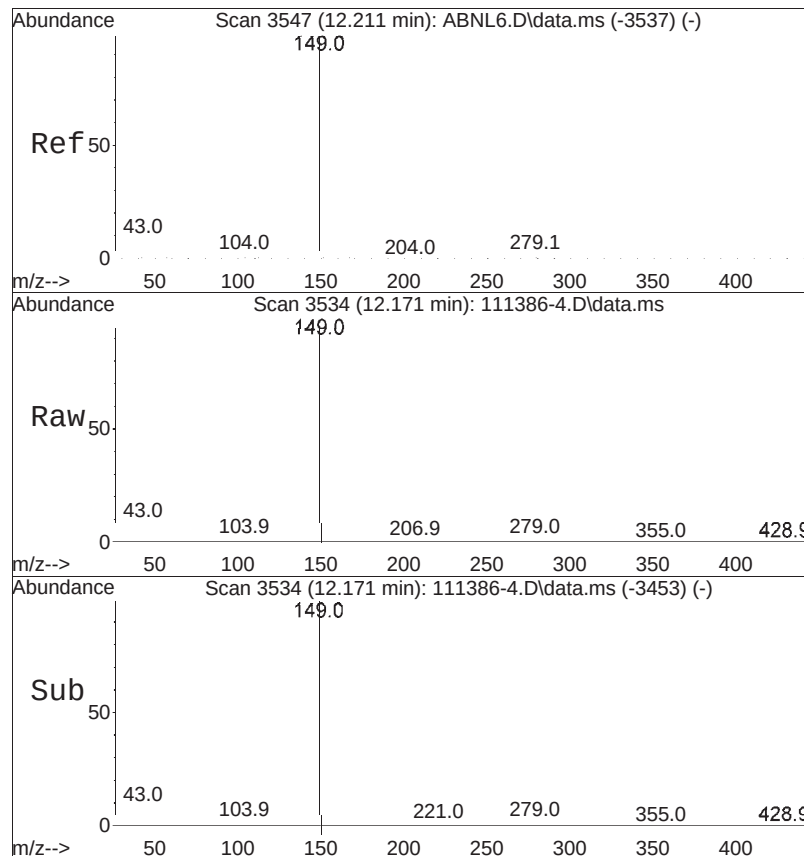




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.56 ug/ml
 RT: 11.493 min Scan# 3316
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

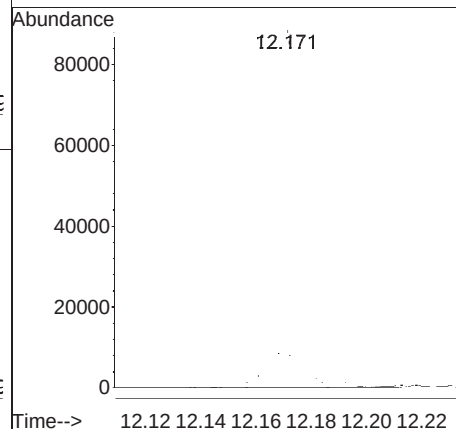
Tgt Ion	Ratio	Lower	Upper
149	100		
167	21.7	22.1	33.1#
279	2.3	3.0	4.4#





#109
 Di-n-octylphthalate
 Concen: 1.56 ug/ml
 RT: 12.171 min Scan# 3534
 Delta R.T. 0.003 min
 Lab File: 111386-4.D
 Acq: 6 Sep 2025 12:04 pm

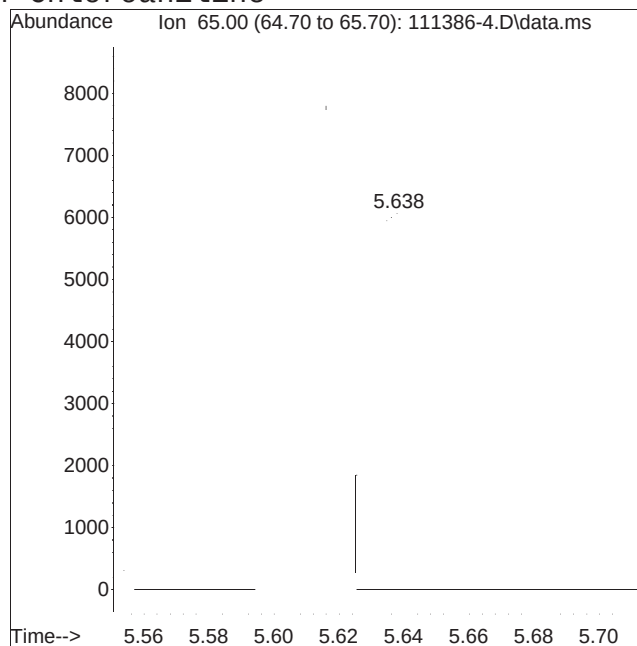
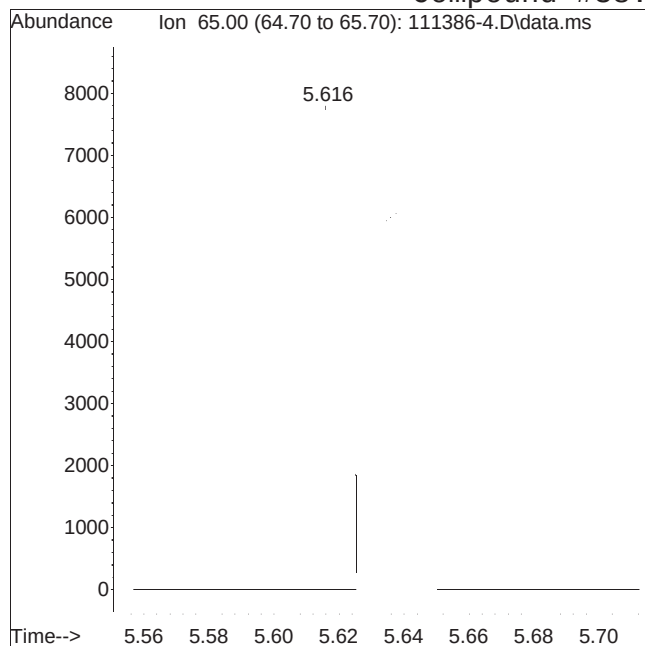
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	88570		
43	10.4		18.8	28.2#
167	1.3		1.3	1.9#



Manual Integration Report

Data Path : I:\8270\SV106\250906RVT\ QMethod : FS250827SV106.m
Data File : 111386-4.D Operator : SV106:jg
Date Inj'd : 9/6/2025 12:04 pm Instrument : SV 106
Sample : WG2111386-4,32,,gmr Quant Date : 9/6/2025 12:22 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 6422

Manual Peak Response = 4741 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-5.D
 Acq On : 6 Sep 2025 12:26 pm
 Operator : SV106:jg
 Sample : WG2111386-5,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 18:14:30 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.264	152	39250	4.000	ug/ml	0.00
Standard Area 1 = 34864			Recovery =	112.58%		
27) IS2_1,4-Dichlorobenzen...	4.264	152	39250	4.000	ug/ml	0.00
Standard Area 3 = 36238			Recovery =	108.31%		
35) IS1_Naphthalene-d8	5.532	136	157754	4.000	ug/ml	# 0.00
Standard Area 1 = 139947			Recovery =	112.72%		
55) IS2_Naphthalene-d8	5.532	136	157754	4.000	ug/ml	# 0.00
Standard Area 3 = 143351			Recovery =	110.05%		
63) IS1_Acenaphthene-d10	7.266	164	92047	4.000	ug/ml	0.00
Standard Area 1 = 79965			Recovery =	115.11%		
83) IS2_Acenaphthene-d10	7.266	164	92047	4.000	ug/ml	0.00
Standard Area 3 = 82721			Recovery =	111.27%		
86) IS3_Acenaphthene-d10	7.266	164	92047	4.000	ug/ml	0.00
Standard Area 2 = 79942			Recovery =	115.14%		
88) IS1_Phenanthrene-d10	8.711	188	175549	4.000	ug/ml	# 0.00
Standard Area 1 = 150523			Recovery =	116.63%		
100) IS3_Phenanthrene-d10	8.711	188	175549	4.000	ug/ml	# 0.00
Standard Area 2 = 156914			Recovery =	111.88%		
104) IS1_Chrysene-d12	11.347	240	170516	4.000	ug/ml	# 0.00
Standard Area 1 = 150493			Recovery =	113.30%		
113) IS1_Perylene-d12	12.808	264	193721	4.000	ug/ml	0.00
Standard Area 1 = 165387			Recovery =	117.13%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.934	112	11611	1.070	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	53.50%		
7) Phenol-d6	3.959	99	10548	0.816	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	40.80%		
19) Nitrobenzene-d5	4.826	82	8486	0.705	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	70.50%		
46) 2-Fluorobiphenyl	6.632	172	21815	0.674	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	67.40%		
79) 2,4,6-Tribromophenol	8.040	330	6128	1.373	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	68.65%		
96) 4-Terphenyl-d14	10.318	244	29653	0.688	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	68.80%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-5.D
 Acq On : 6 Sep 2025 12:26 pm
 Operator : SV106:jg
 Sample : WG2111386-5,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 18:14:30 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds					Qvalue	
6) 2-Chlorophenol	4.049	128	18082	1.384	ug/ml#	88
8) Phenol	3.969	94	12266	0.867	ug/ml	91
14) Bis(2-chloroisopropyl)...	4.593	45	24695	1.348	ug/ml#	57
15) 2-Methylphenol	4.578	108	14284	1.318	ug/ml	95
17) n-Nitrosodi-n-propylamine	4.714	70	11673	1.460	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.742	108	15361	1.297	ug/ml	99
20) Nitrobenzene	4.845	77	16835	1.361	ug/ml	96
21) Isophorone	5.100	82	31230	1.386	ug/ml	96
22) 2-Nitrophenol	5.168	139	8812	1.403	ug/ml#	87
23) 2,4-Dimethylphenol	5.265	107	15752	1.263	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.352	93	21460	1.414	ug/ml#	96
25) 2,4-Dichlorophenol	5.417	162	16810	1.465	ug/ml#	94
28) Benzaldehyde	3.810	105	14281	2.257	ug/ml	88
29) Acetophenone	4.683	105	26607	1.423	ug/ml#	79
38) 4-Chloroaniline	5.634	65	4654M3	1.008	ug/ml	
40) p-Chloro-m-cresol	6.154	107	15585	1.392	ug/ml	92
43) Hexachlorocyclopentadiene	6.424	237	9813	0.979	ug/ml	98
44) 2,4,6-Trichlorophenol	6.548	196	11923	1.417	ug/ml	96
45) 2,4,5-Trichlorophenol	6.576	196	13814	1.463	ug/ml	100
48) 2-Nitroaniline	6.840	138	12134	1.493	ug/ml#	81
51) Dimethyl phthalate	7.052	163	46986	1.390	ug/ml#	97
53) 2,6-Dinitrotoluene	7.092	165	9198	1.396	ug/ml#	77
60) Caprolactam	5.942	55	3608	0.645	ug/ml#	81
61) 1,2,4,5-Tetrachloroben...	6.421	216	18183	1.236	ug/ml	98
62) Biphenyl	6.722	154	48723	1.327	ug/ml	99
64) 3-Nitroaniline	7.244	138	10213	1.299	ug/ml#	88
66) 2,4-Dinitrophenol	7.350	184	4355	1.143	ug/ml#	84
67) Dibenzofuran	7.468	168	60155	1.417	ug/ml	89
68) 2,4-Dinitrotoluene	7.481	165	12504	1.413	ug/ml	94
69) 4-Nitrophenol	7.450	65	5637	1.029	ug/ml#	32
72) Diethyl phthalate	7.754	149	48716	1.396	ug/ml	99
74) 4-Chlorophenyl phenyl ...	7.832	204	21318	1.346	ug/ml	90
75) 4-Nitroaniline	7.835	138	11134	1.436	ug/ml#	82
76) 4,6-Dinitro-o-cresol	7.872	198	5974	1.214	ug/ml#	69
77) NDPA/DPA	7.950	169	38854	1.396	ug/ml	94
80) 4-Bromophenyl phenyl e...	8.304	248	13328	1.365	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250906RVT\
 Data File : 111386-5.D
 Acq On : 6 Sep 2025 12:26 pm
 Operator : SV106:jg
 Sample : WG2111386-5,32,,gmr
 Misc : WG2111447,WG2111386,ical22591
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 18:14:30 2025
 Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250906RVT\ABN0906.D
 : 2 - I:\8270\SV106\250906RVT\ADP0906.D
 : 3 - I:\8270\SV106\250906RVT\AP90906.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87)	Atrazine	8.503	200	14068	1.644	ug/ml	93
91)	Carbazole	8.960	167	70248	1.480	ug/ml	98
92)	Di-n-butylphthalate	9.377	149	81387	1.465	ug/ml	99
97)	Butyl benzyl phthalate	10.850	149	36020	1.552	ug/ml	85
106)	3,3'-Dichlorobenzidine	11.353	252	27971	1.413	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	11.496	149	55052	1.526	ug/ml#	90
109)	Di-n-octylphthalate	12.171	149	92124	1.523	ug/ml#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

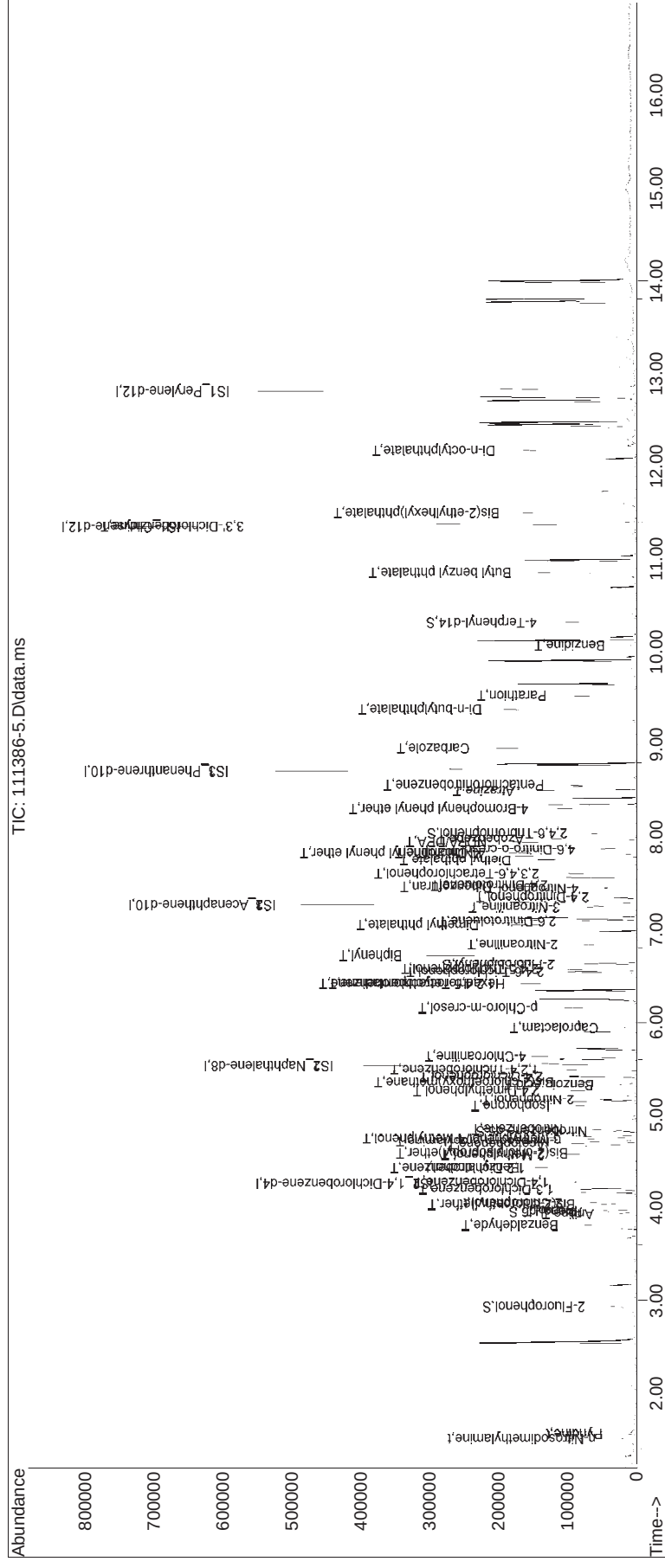
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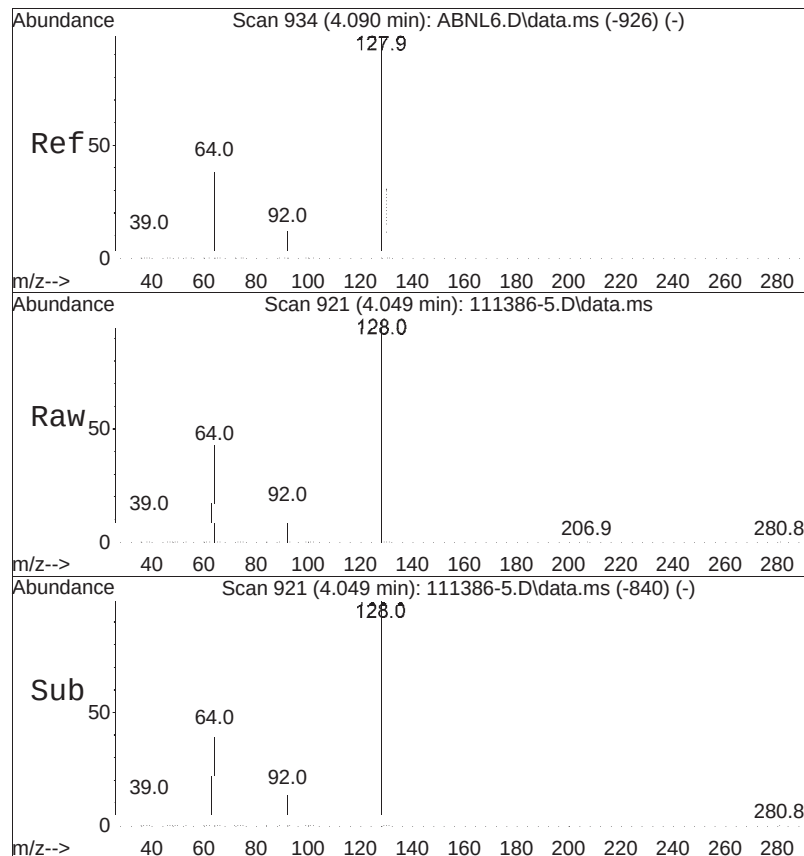
Data Path      : I:\8270\SV106\250906RVT\
Data File     : 111386-5.D
Acq On       : 6 Sep 2025 12:26 pm
Operator      : SV106:jg
Sample        : WG2111386-5,32,,gmr
Misc          : WG2111447,WG2111386,ical
ALS Vial      : 11 Sample Multiplier:

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Quant Time: Sep 10 18:14:30 2025
Quant Method : I:\8270\SV106\250906RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast update : Sat Sep 06 08:56:15 2025
Response via : Initial Calibration

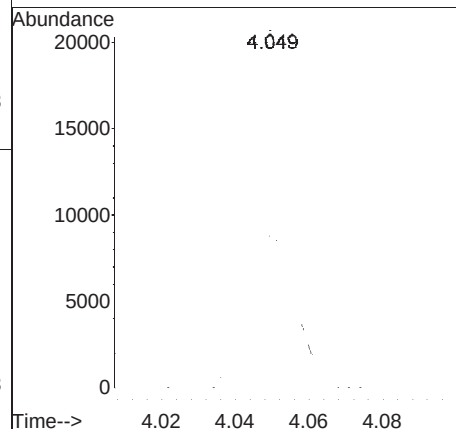
Sub List : 8270IC\8220\8VREV\1250906RCTX\890906.D.

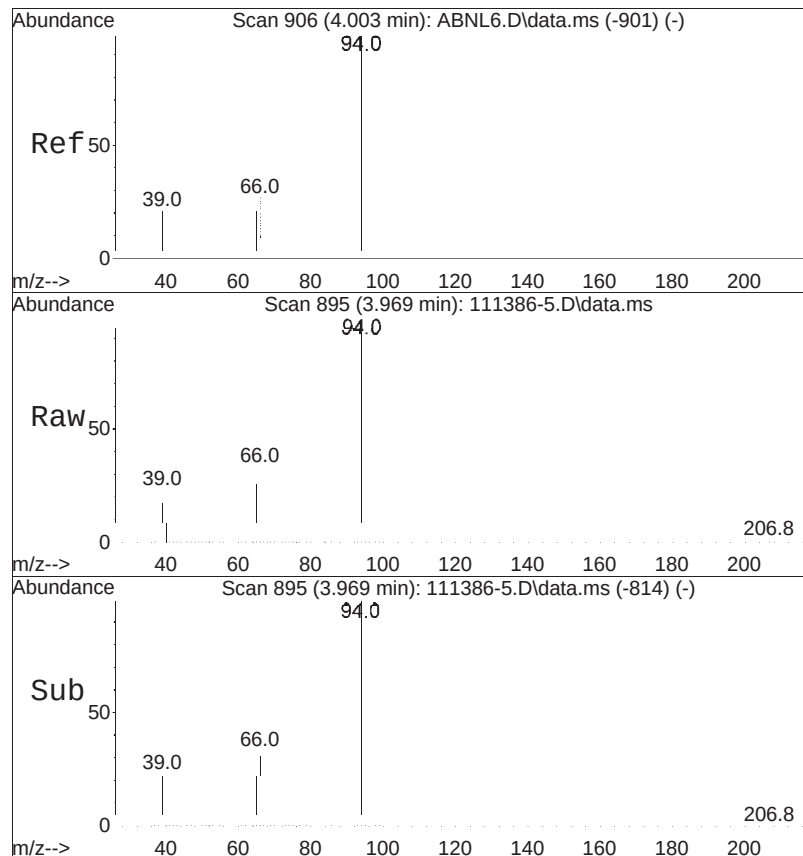




#6
 2-Chlorophenol
 Concen: 1.38 ug/ml
 RT: 4.049 min Scan# 921
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

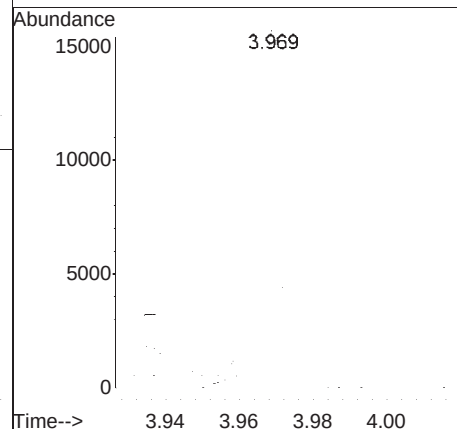
Tgt Ion:	128	Resp:	18082
Ion Ratio	Lower	Upper	
128	100		
64	44.4	45.1	67.7#
130	30.9	26.2	39.4

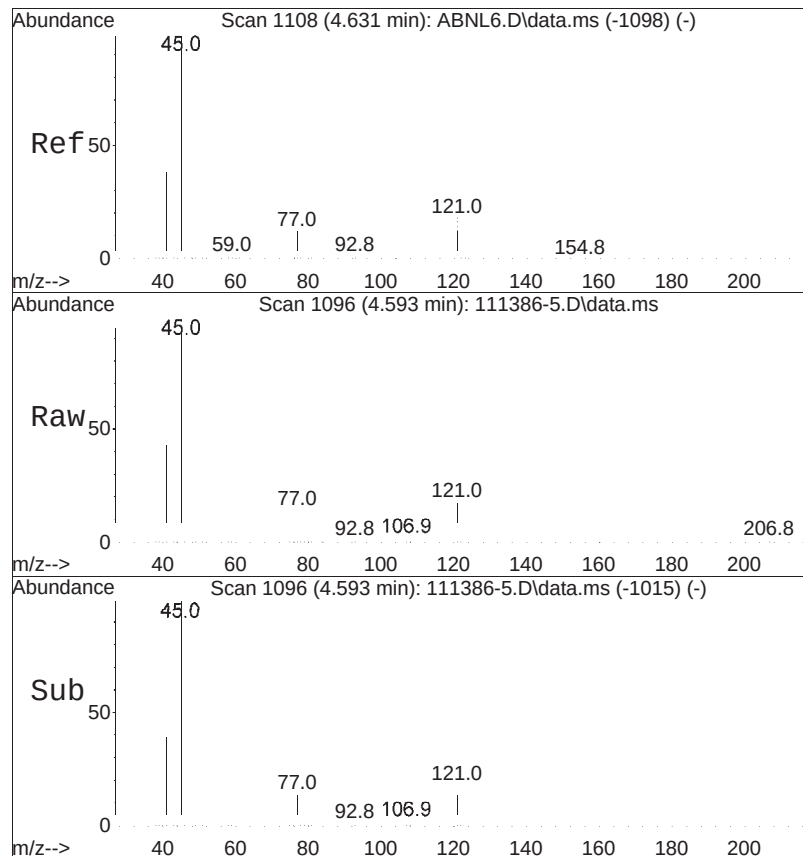




#8
 Phenol
 Concen: 0.87 ug/ml
 RT: 3.969 min Scan# 895
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

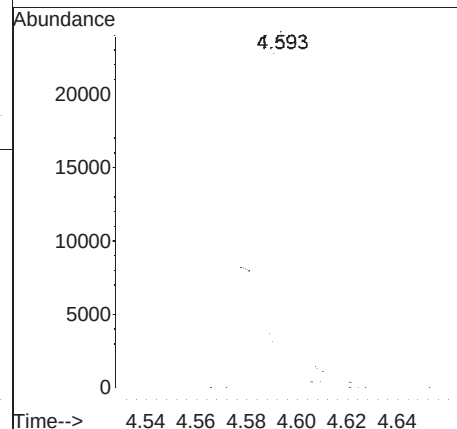
Tgt Ion: 94	Resp: 12266
Ion Ratio	Lower Upper
94 100	
65 28.3	26.0 39.0
66 35.8	33.8 50.8

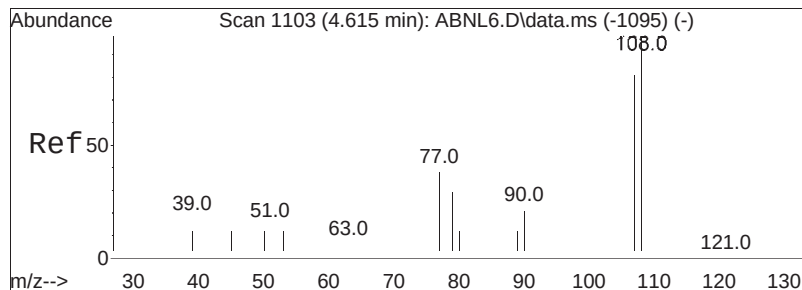




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.35 ug/ml
 RT: 4.593 min Scan# 1096
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

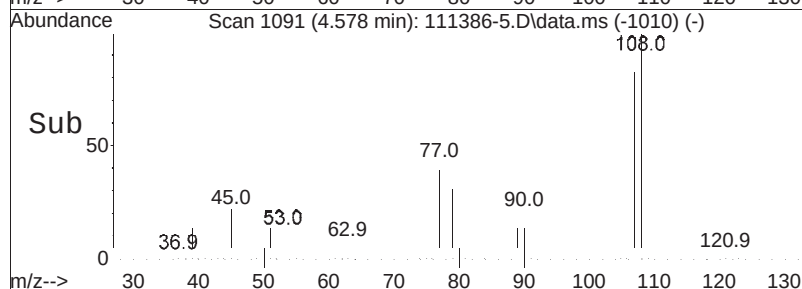
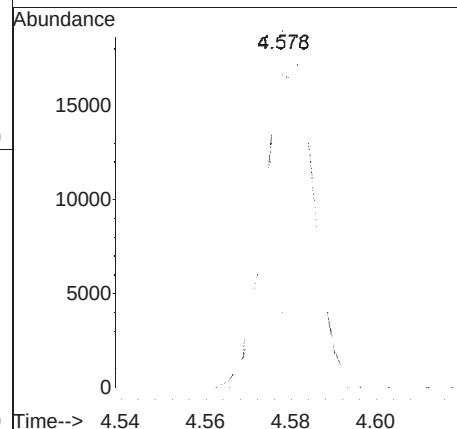
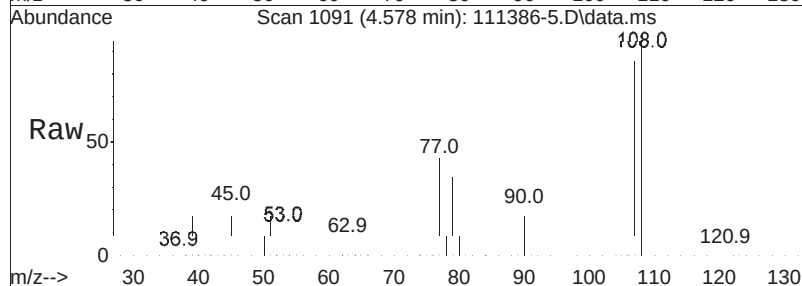
Tgt Ion:	45	Resp:	24695
Ion Ratio	Lower	Upper	
45	100		
121	19.3	9.8	14.6#
77	36.2	6.1	9.1#

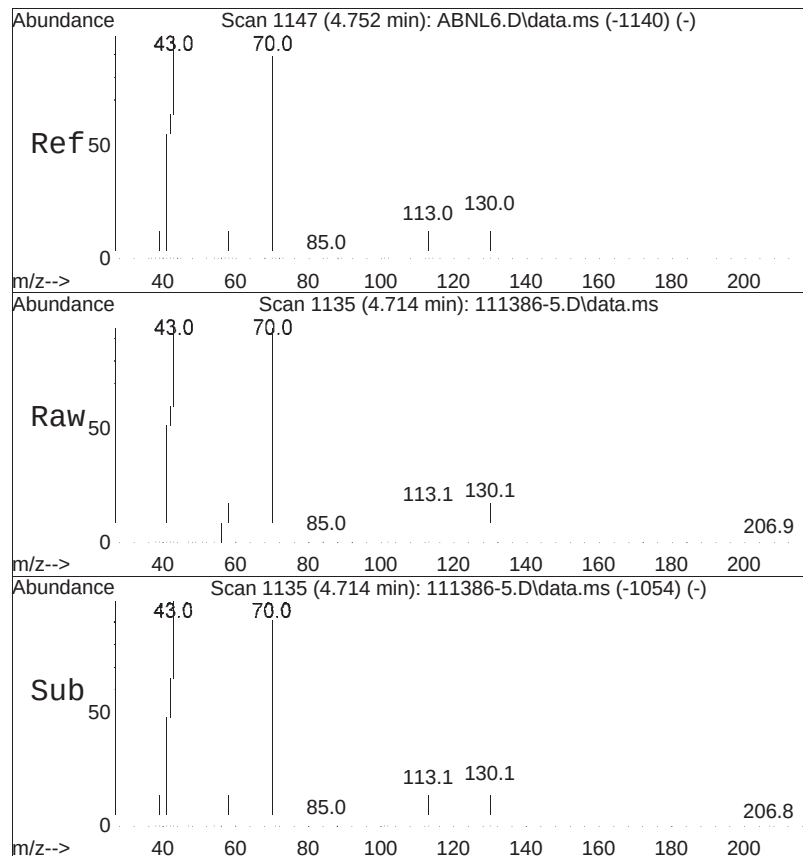




#15
 2-Methylphenol
 Concen: 1.32 ug/ml
 RT: 4.578 min Scan# 1091
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

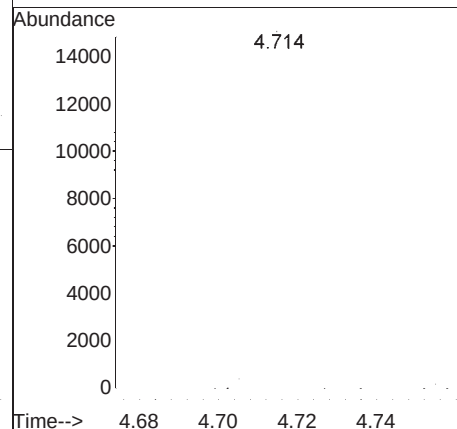
Tgt Ion	Ratio	Lower	Upper
108	100		
107	94.5	70.7	106.1
90	22.7	18.7	28.1

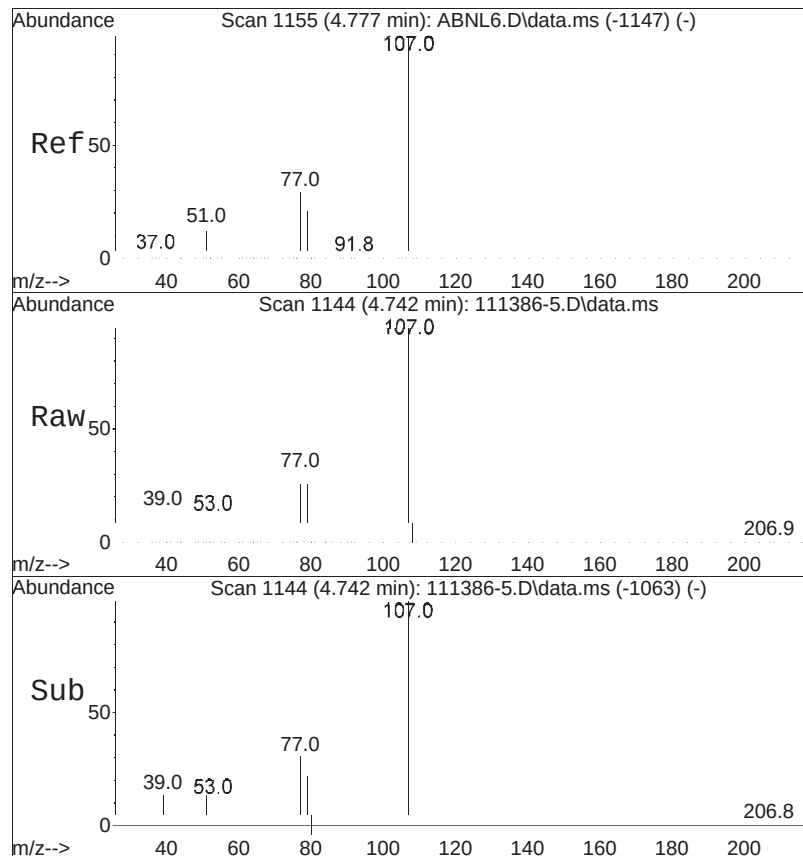




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.46 ug/ml
 RT: 4.714 min Scan# 1135
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

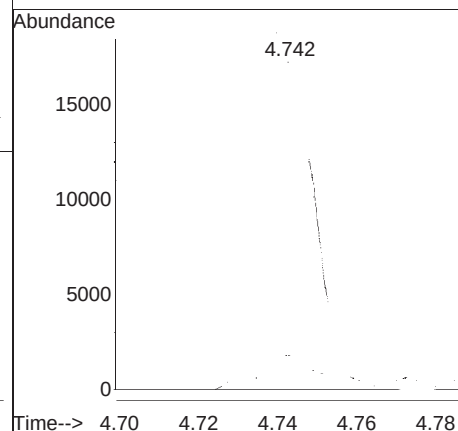
Tgt Ion	Ratio	Resp Lower	Resp Upper
70	100		
130	20.1	18.2	27.4
101	9.4	7.8	11.8

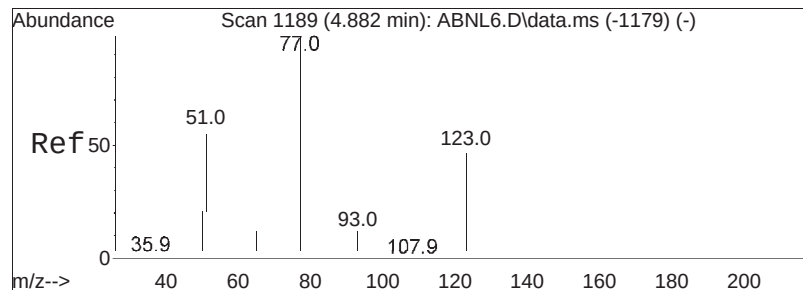




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.30 ug/ml
 RT: 4.742 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

Tgt Ion:	108	Resp:	15361
Ion Ratio	Lower	Upper	
108	100		
107	112.1	88.6	132.8
90	10.2	8.8	13.2





#20

Nitrobenzene

Concen: 1.36 ug/ml

RT: 4.845 min Scan# 1177

Delta R.T. 0.003 min

Lab File: 111386-5.D

Acq: 6 Sep 2025 12:26 pm

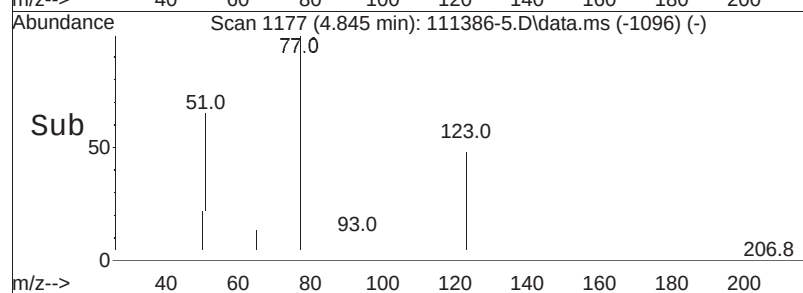
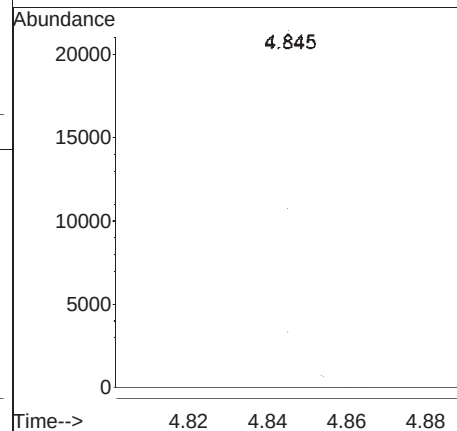
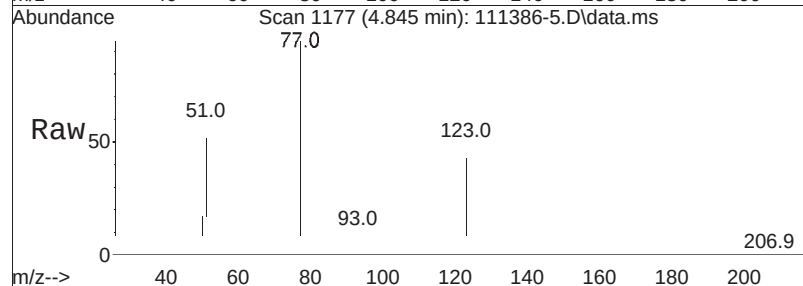
Tgt Ion: 77 Resp: 16835

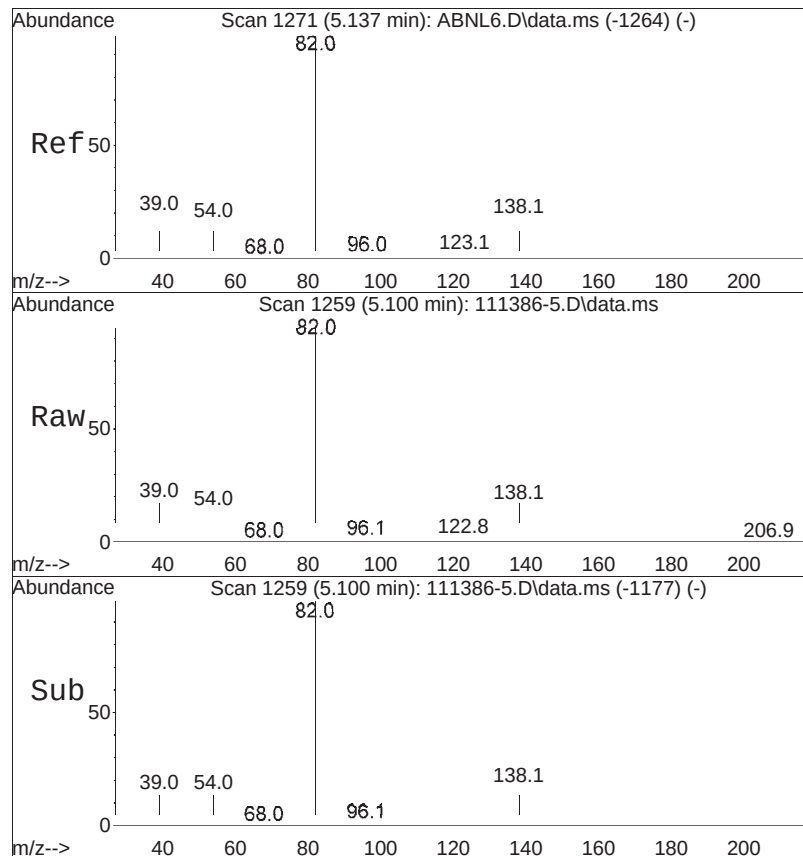
Ion Ratio Lower Upper

77 100

123 48.6 36.3 54.5

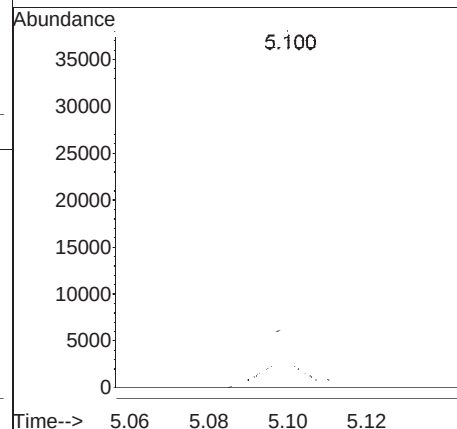
65 13.4 11.6 17.4

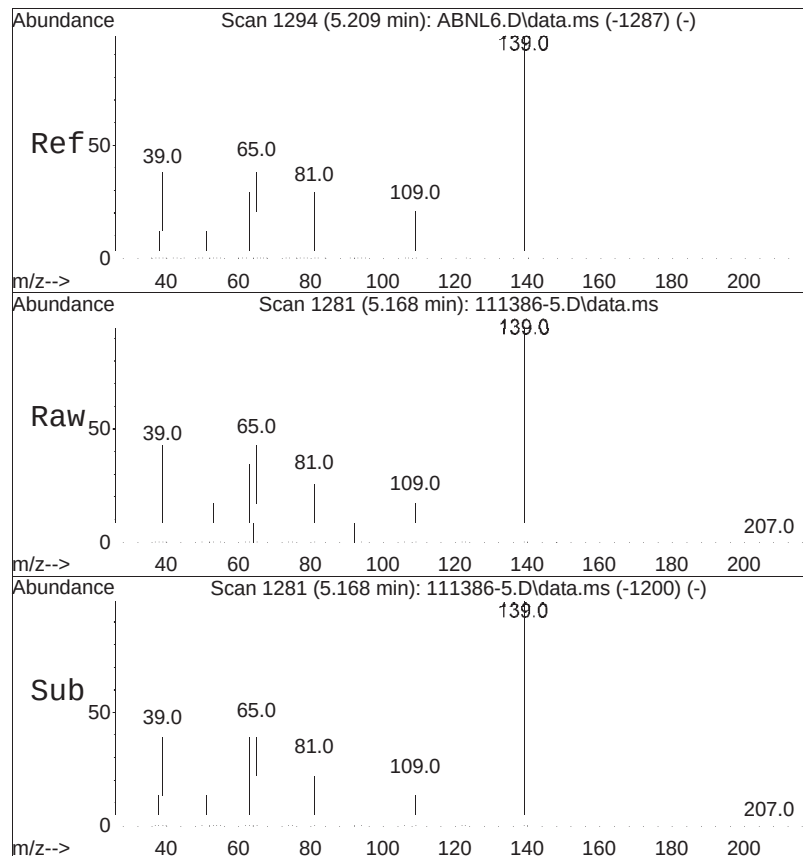




#21
 Isophorone
 Concen: 1.39 ug/ml
 RT: 5.100 min Scan# 1259
 Delta R.T. 0.006 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

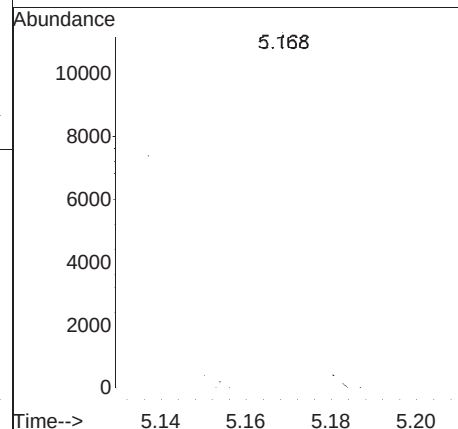
Tgt Ion	Ratio	Lower	Upper
82	100		
138	16.4	14.7	22.1
95	6.8	5.2	7.8

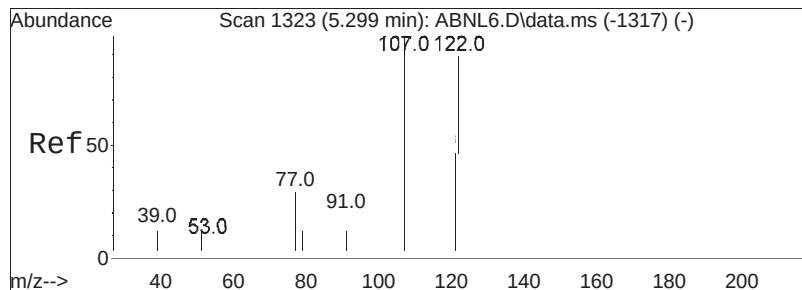




#22
 2-Nitrophenol
 Concen: 1.40 ug/ml
 RT: 5.168 min Scan# 1281
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

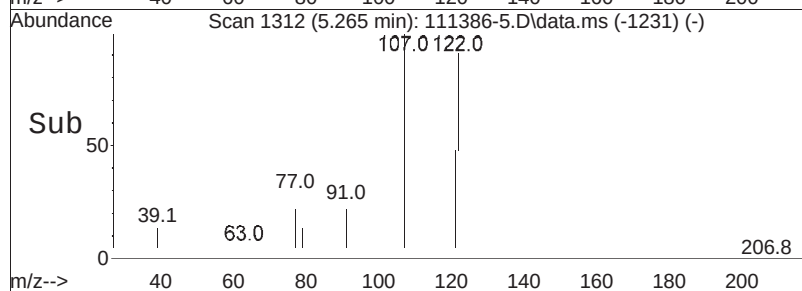
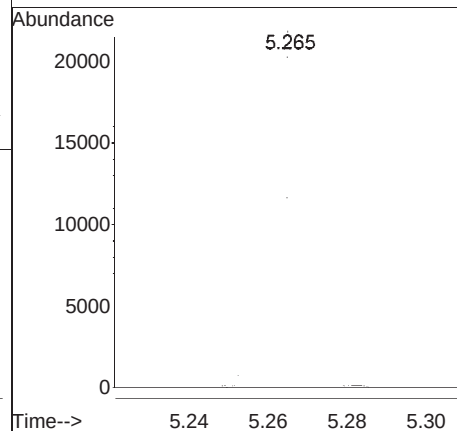
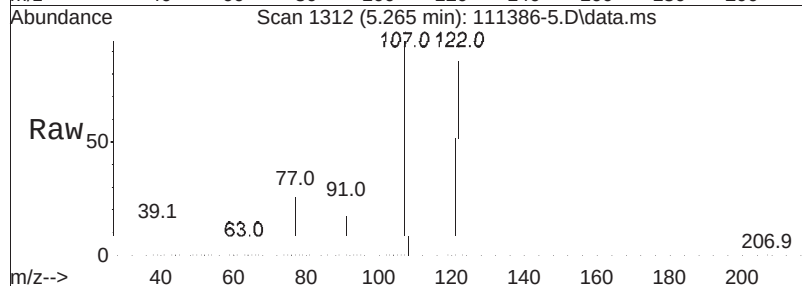
Tgt Ion	Ratio	Resp: Lower	Upper
139	100		
109	22.8	19.4	29.0
65	44.4	46.1	69.1#

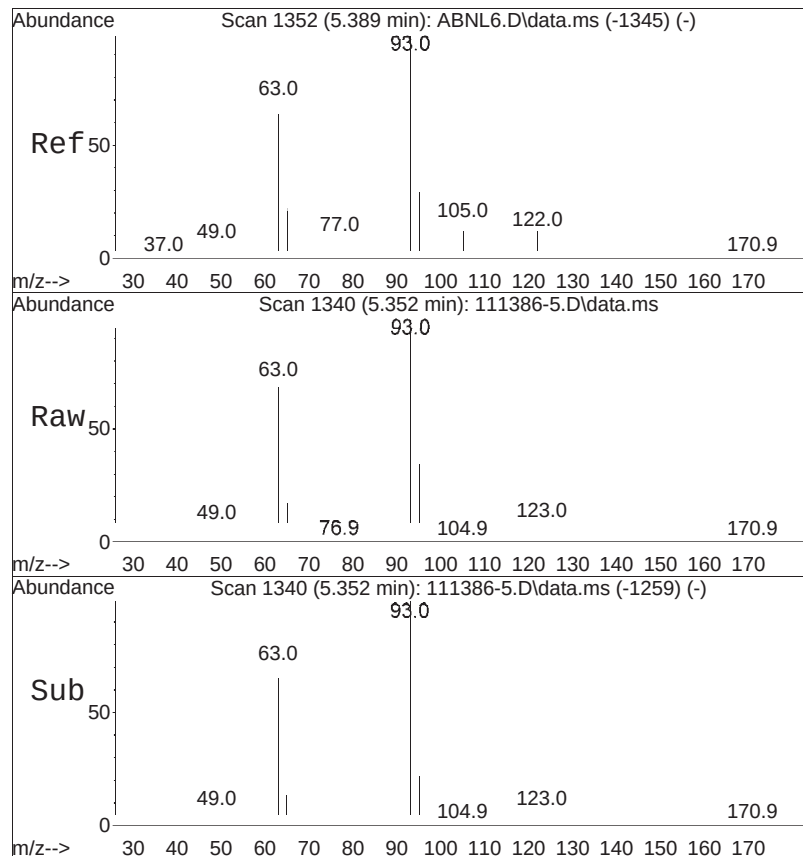




#23
 2,4-Dimethylphenol
 Concen: 1.26 ug/ml
 RT: 5.265 min Scan# 1312
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

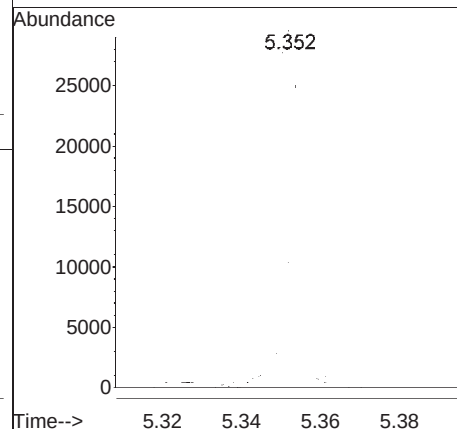
Tgt Ion	Ratio	Lower	Upper
107	100		
121	53.4	40.0	60.0
122	90.8	70.2	105.4

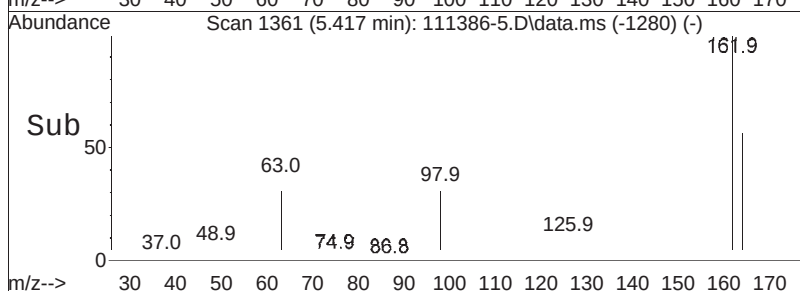
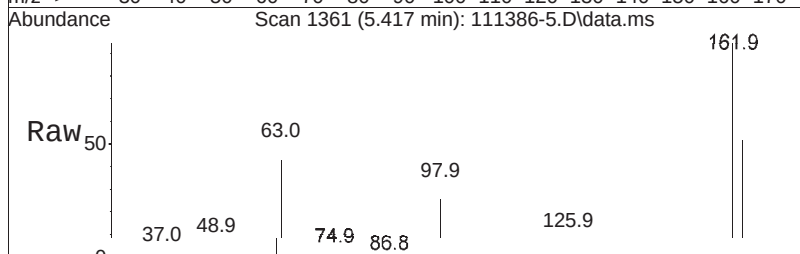
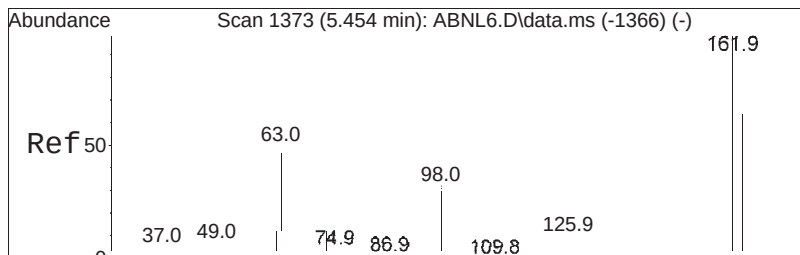




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.41 ug/ml
 RT: 5.352 min Scan# 1340
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

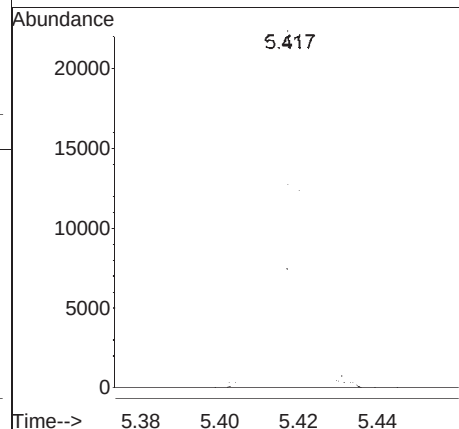
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	21460		
95	33.6		25.8	38.8
123	9.2		10.1	15.1#

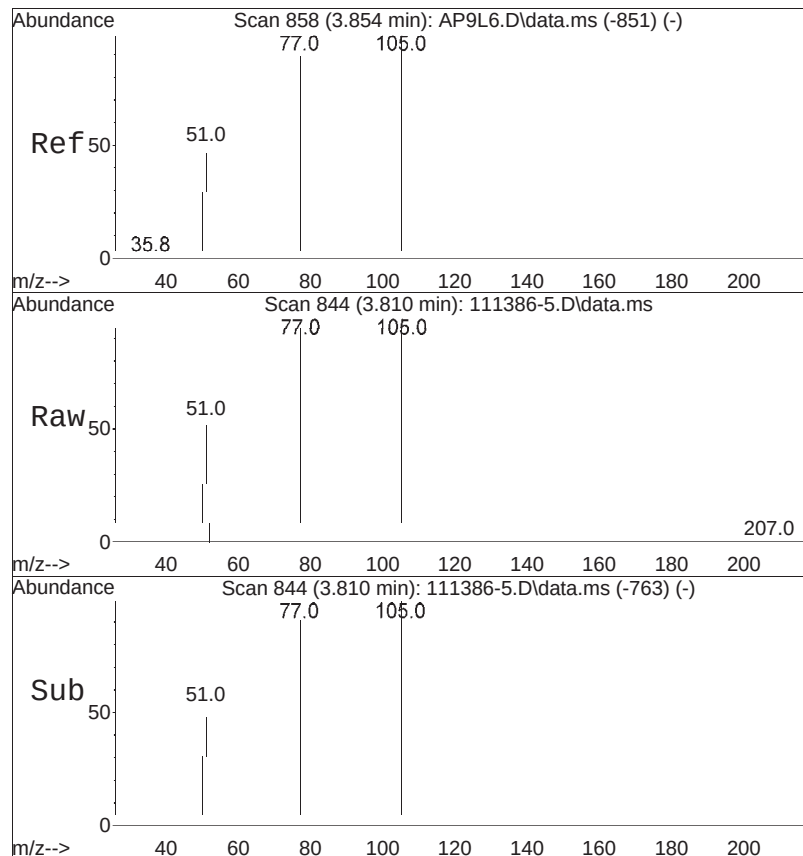




#25
 2,4-Dichlorophenol
 Concen: 1.46 ug/ml
 RT: 5.417 min Scan# 1361
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

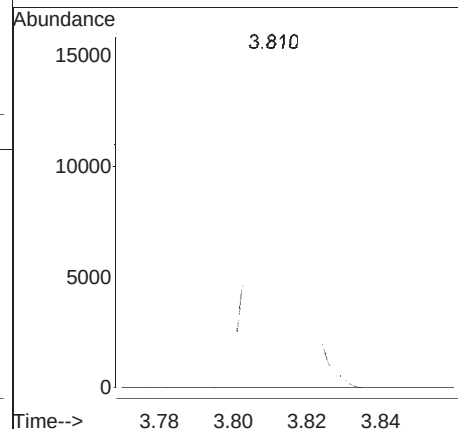
Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.9	51.0	76.4
98	31.6	32.2	48.2#

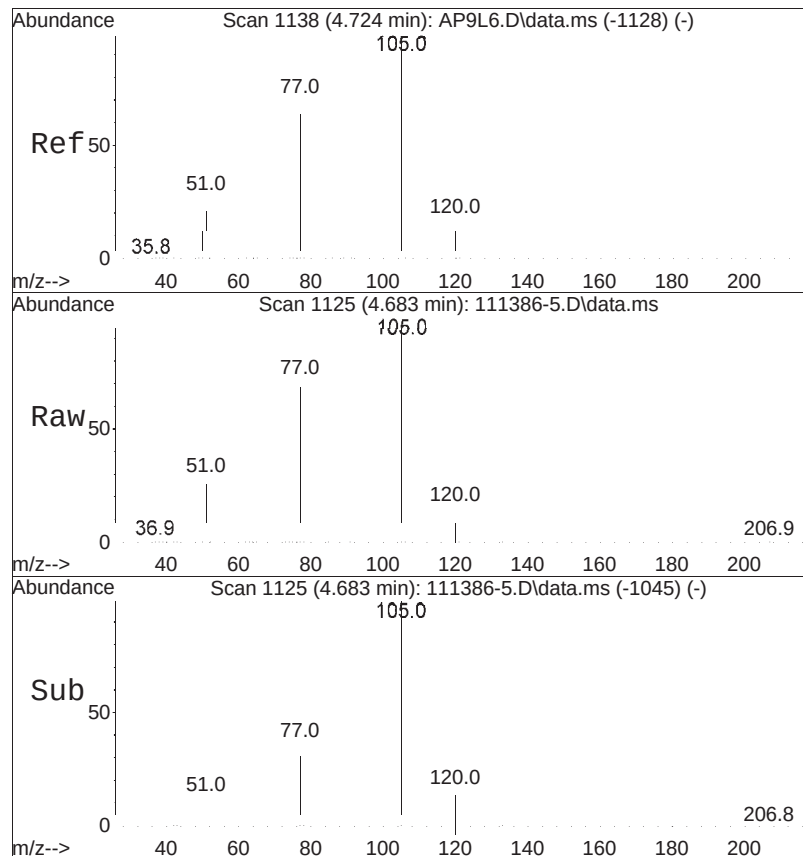




#28
 Benzaldehyde
 Concen: 2.26 ug/ml
 RT: 3.810 min Scan# 844
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

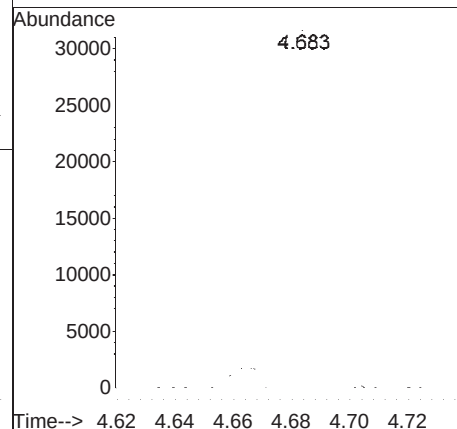
Tgt Ion	105	Ratio	Lower	Upper
105	100			
77	90.1	82.2	123.4	

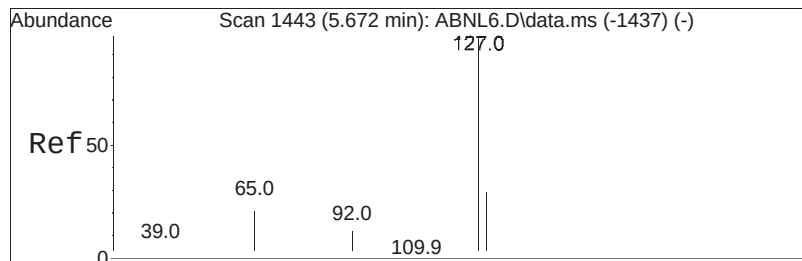




#29
 Acetophenone
 Concen: 1.42 ug/ml
 RT: 4.683 min Scan# 1125
 Delta R.T. 0.000 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

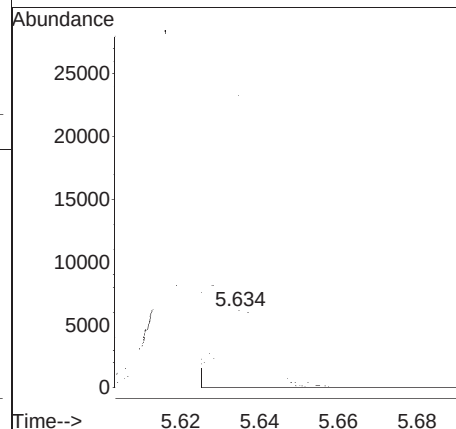
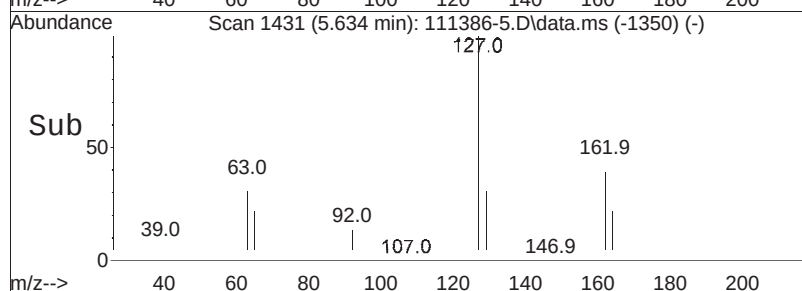
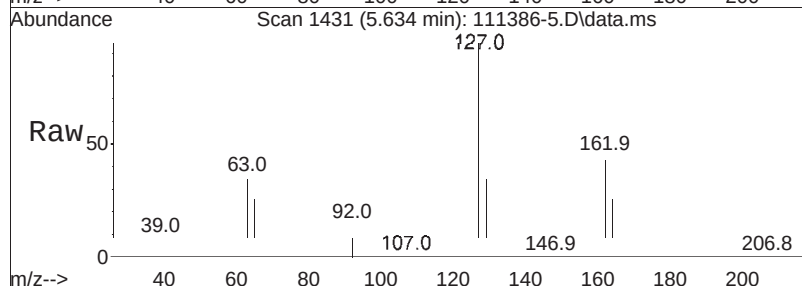
Tgt Ion:	105	Resp:	26607
Ion Ratio	Lower	Upper	
105	100		
120	17.1	20.5	30.7#
51	28.0	34.9	52.3#

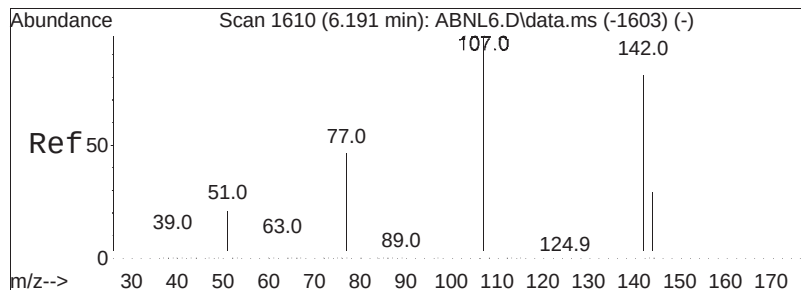




#38
 4-Chloroaniline
 Concen: 1.01 ug/ml M3
 RT: 5.634 min Scan# 1431
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

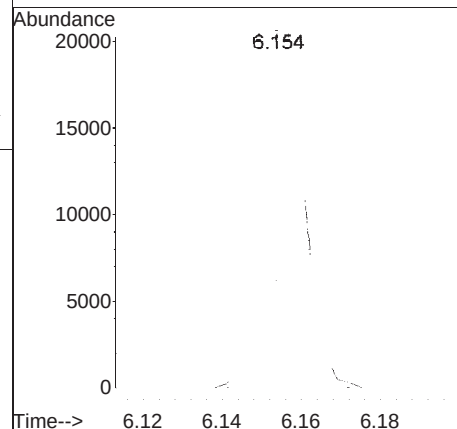
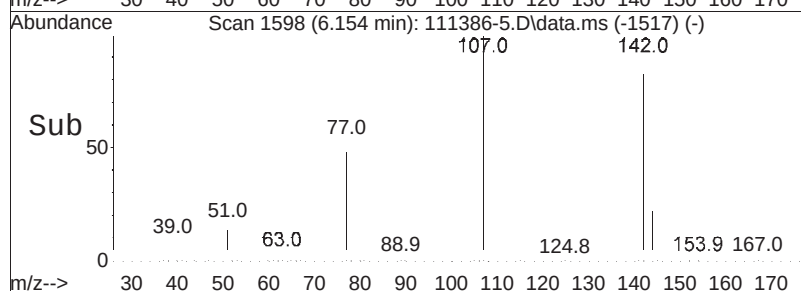
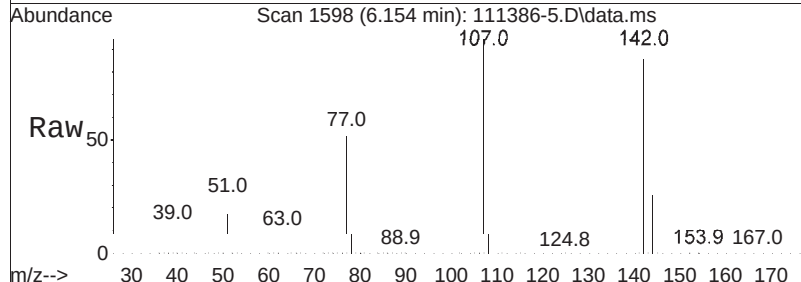
Tgt Ion	Ratio	Lower	Upper
65	100		
127	435.0	237.6	356.4#
129	138.5	76.3	114.5#

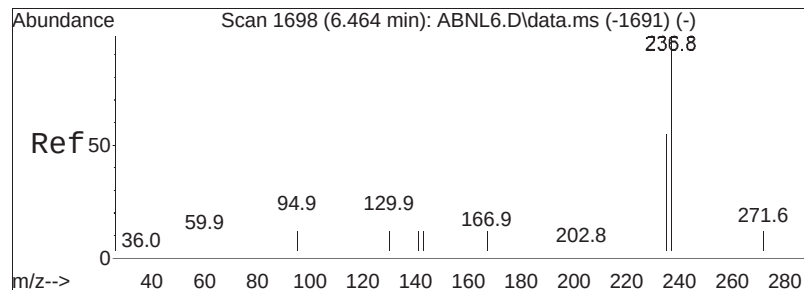




#40
 p-Chloro-m-cresol
 Concen: 1.39 ug/ml
 RT: 6.154 min Scan# 1598
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

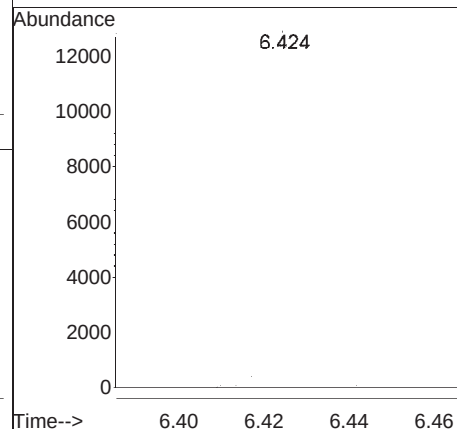
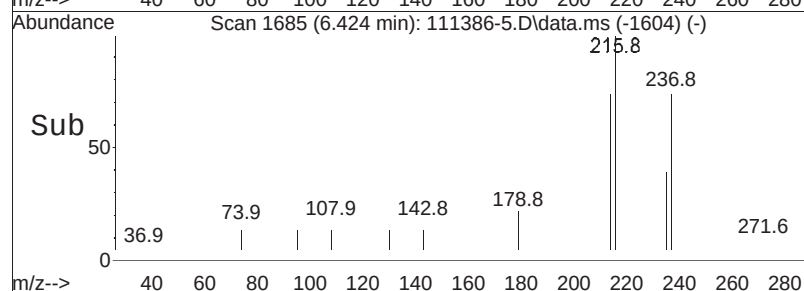
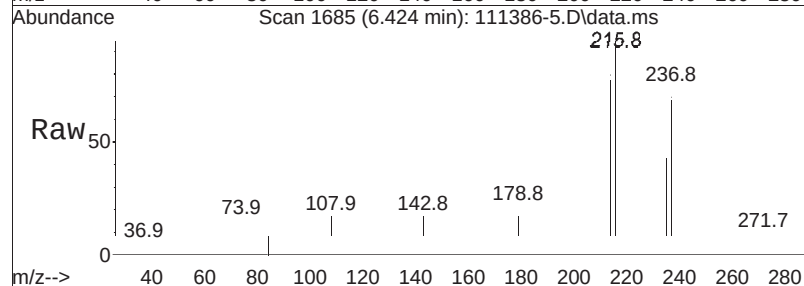
Tgt Ion:	107	Resp:	15585
Ion Ratio	Lower	Upper	
107	100		
144	29.1	20.9	31.3
142	90.7	66.1	99.1

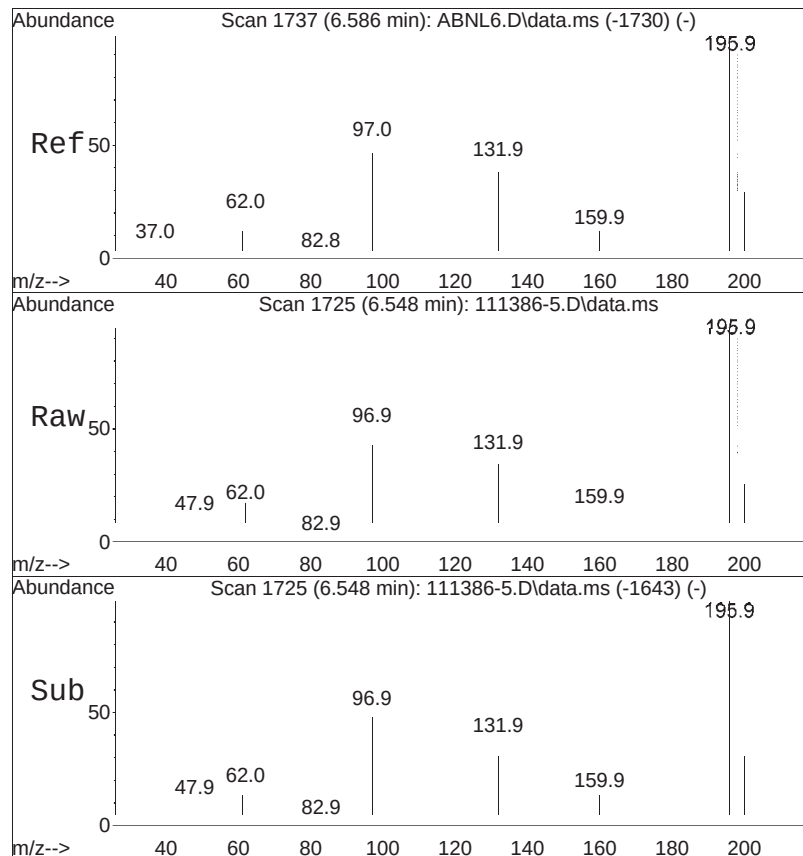




#43
 Hexachlorocyclopentadiene
 Concen: 0.98 ug/ml
 RT: 6.424 min Scan# 1685
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

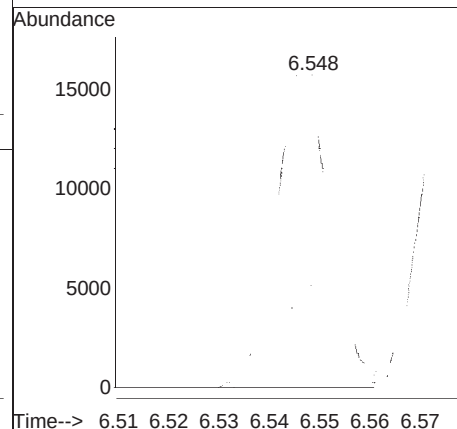
Tgt Ion	Ratio	Resp: Lower	Upper
237	100		
235	63.9	49.7	74.5
272	12.4	9.8	14.6

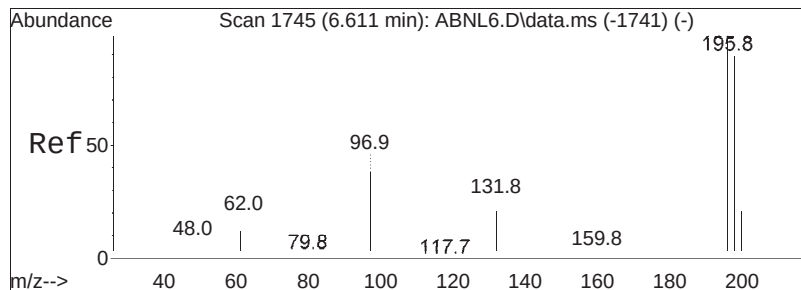




#44
 2,4,6-Trichlorophenol
 Concen: 1.42 ug/ml
 RT: 6.548 min Scan# 1725
 Delta R.T. 0.006 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

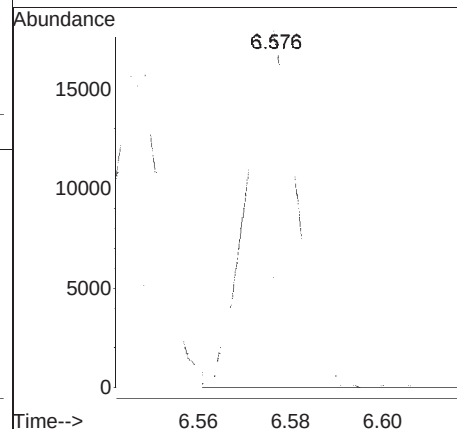
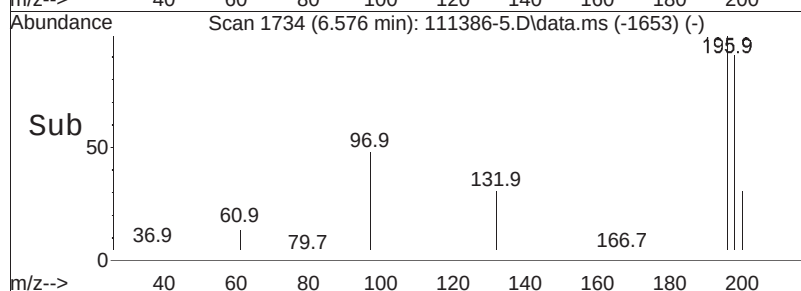
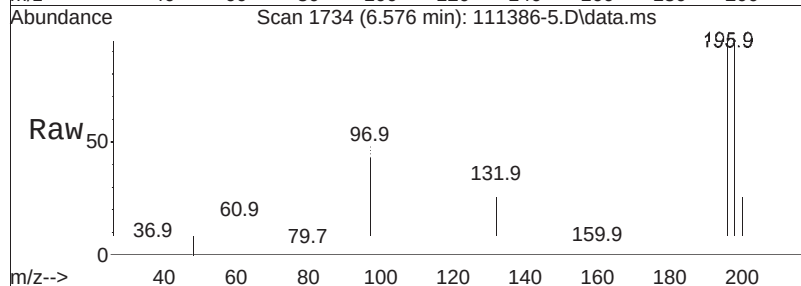
Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.0	77.5	116.3
200	32.2	23.8	35.6

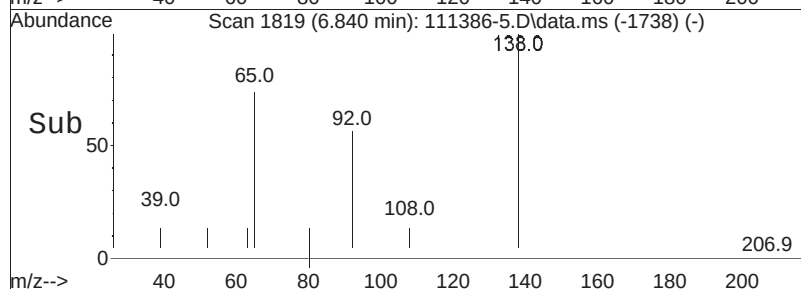
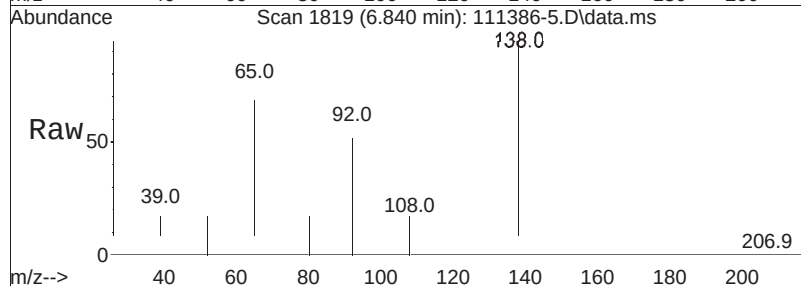
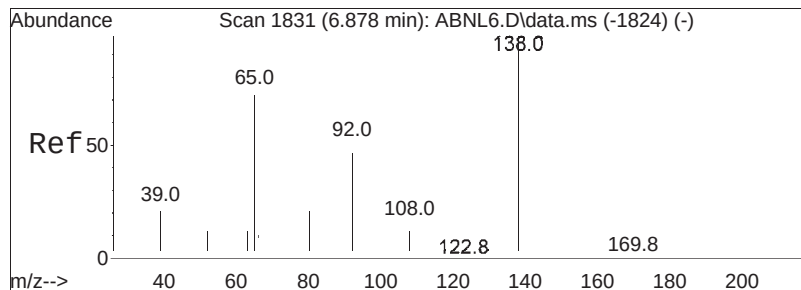




#45
 2,4,5-Trichlorophenol
 Concen: 1.46 ug/ml
 RT: 6.576 min Scan# 1734
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

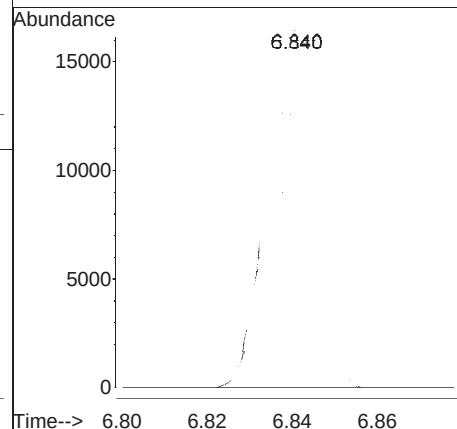
Tgt Ion:	196	Resp:	13814
Ion Ratio	Lower	Upper	
196	100		
200	31.5	25.4	38.0
198	97.4	78.0	117.0

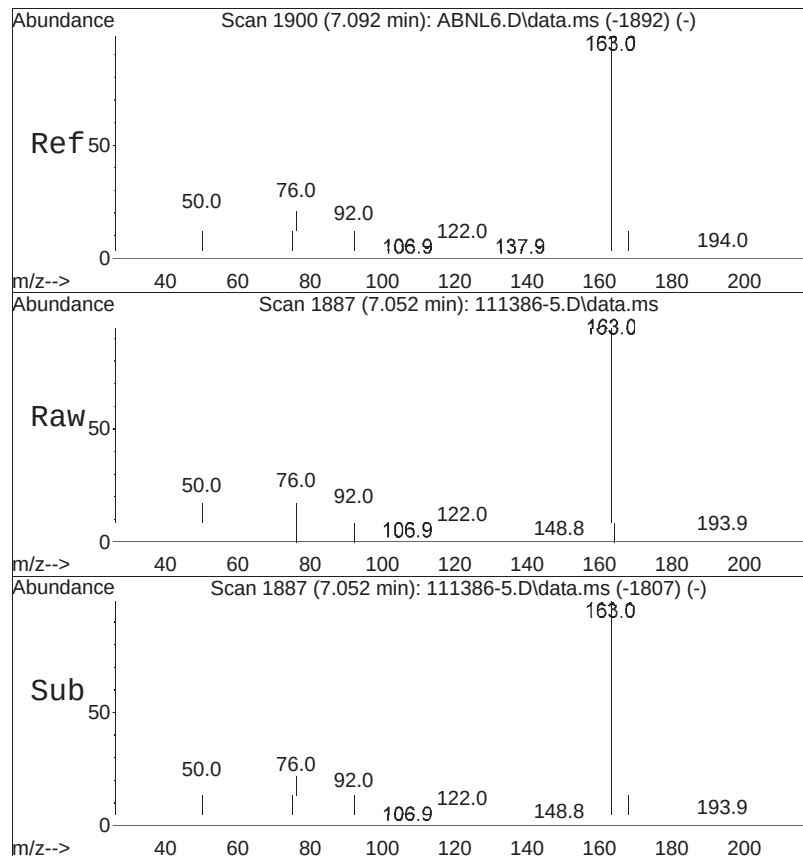




#48
 2-Nitroaniline
 Concen: 1.49 ug/ml
 RT: 6.840 min Scan# 1819
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

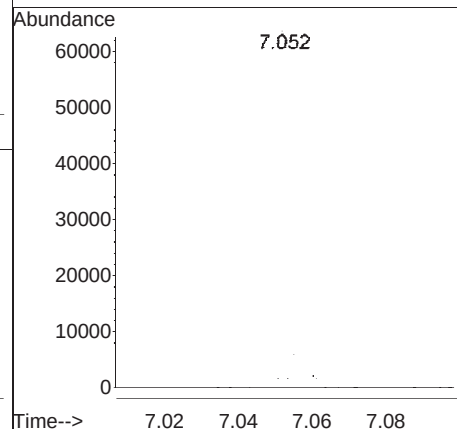
Tgt Ion	Ratio	Lower	Upper
138	100		
92	58.1	53.5	80.3
65	83.1	86.3	129.5#

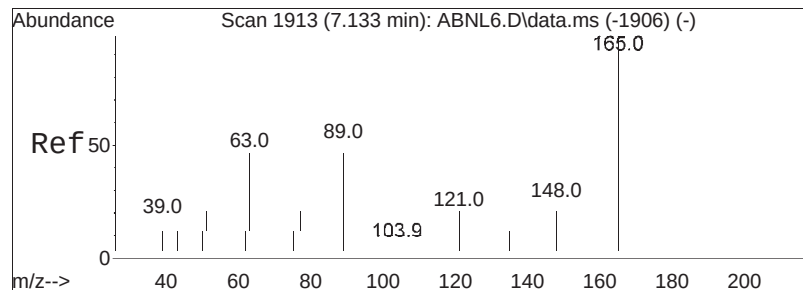




#51
 Dimethyl phthalate
 Concen: 1.39 ug/ml
 RT: 7.052 min Scan# 1887
 Delta R.T. -0.000 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

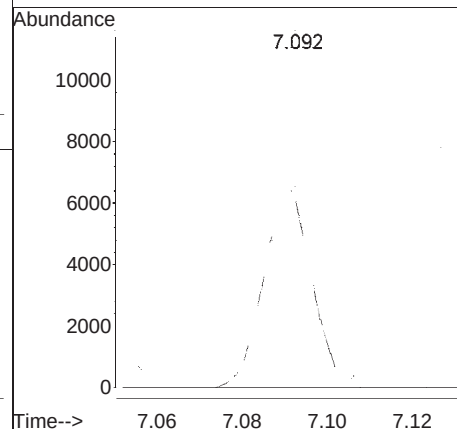
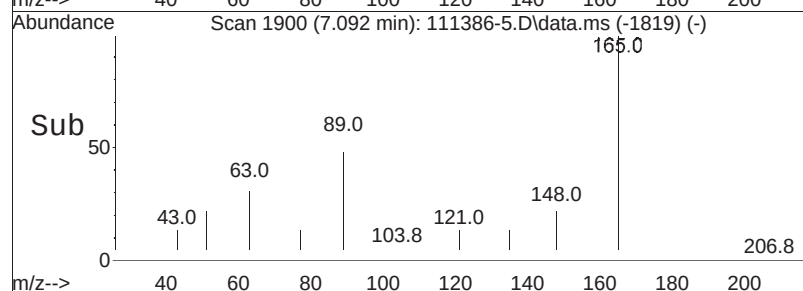
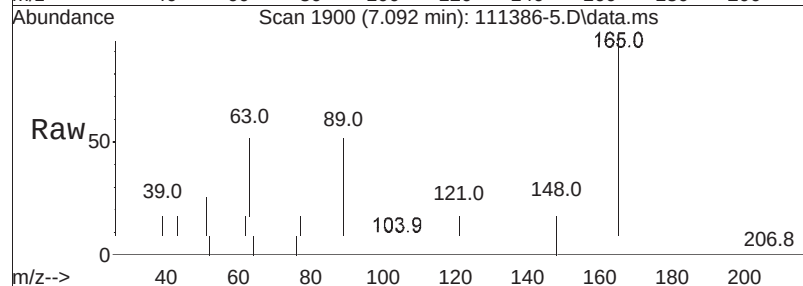
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	2.7	3.5	5.3#
164	10.5	7.9	11.9

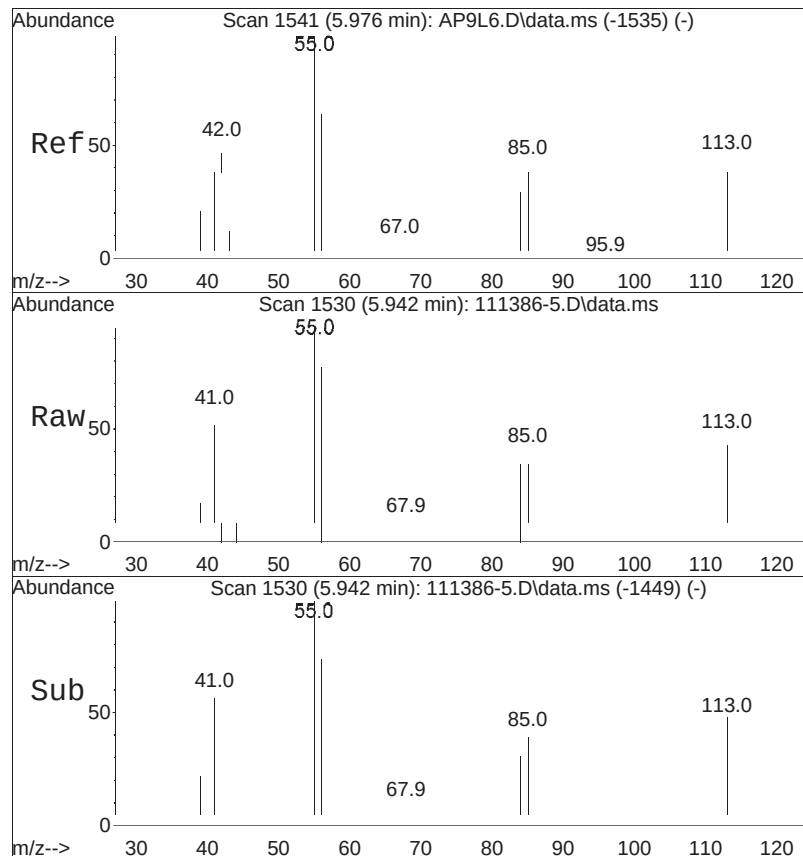




#53
 2,6-Dinitrotoluene
 Concen: 1.40 ug/ml
 RT: 7.092 min Scan# 1900
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

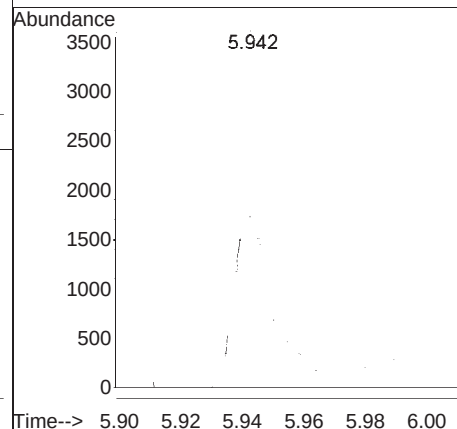
Tgt Ion:	165	Resp:	9198
Ion Ratio	Lower	Upper	
165	100		
89	55.6	54.2	81.2
63	53.9	64.2	96.2#

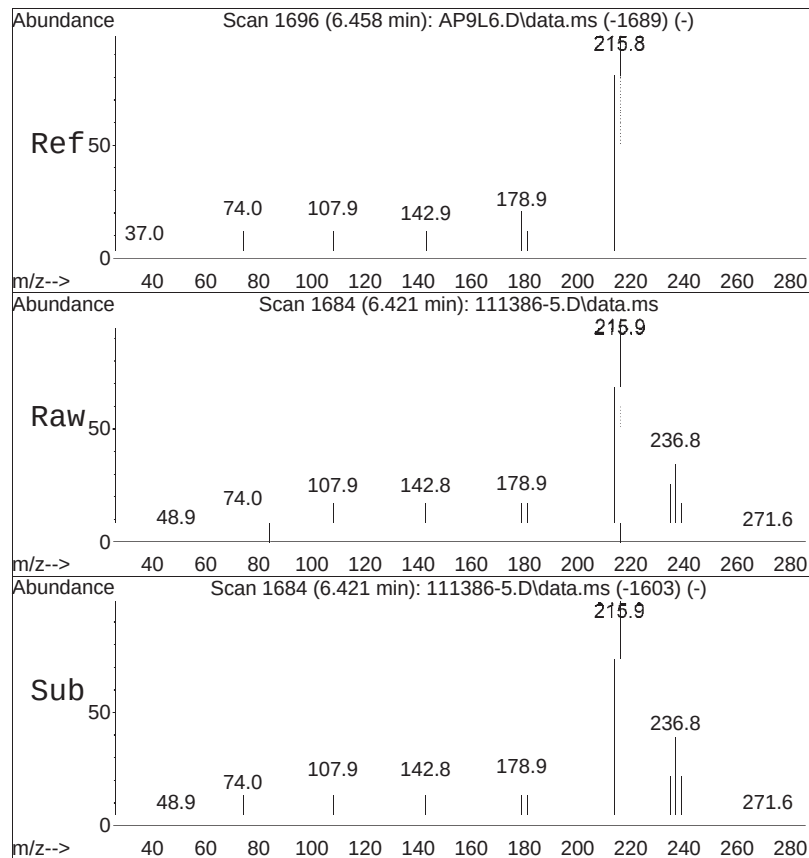




#60
 Caprolactam
 Concen: 0.65 ug/ml
 RT: 5.942 min Scan# 1530
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

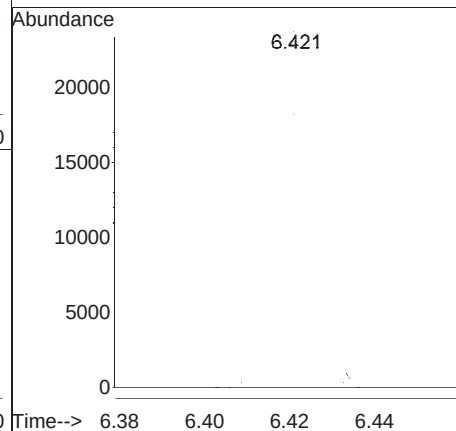
Tgt Ion:	55	Resp:	3608
Ion Ratio	Lower	Upper	
55	100		
85	41.5	19.8	29.6#
113	42.1	29.6	44.4

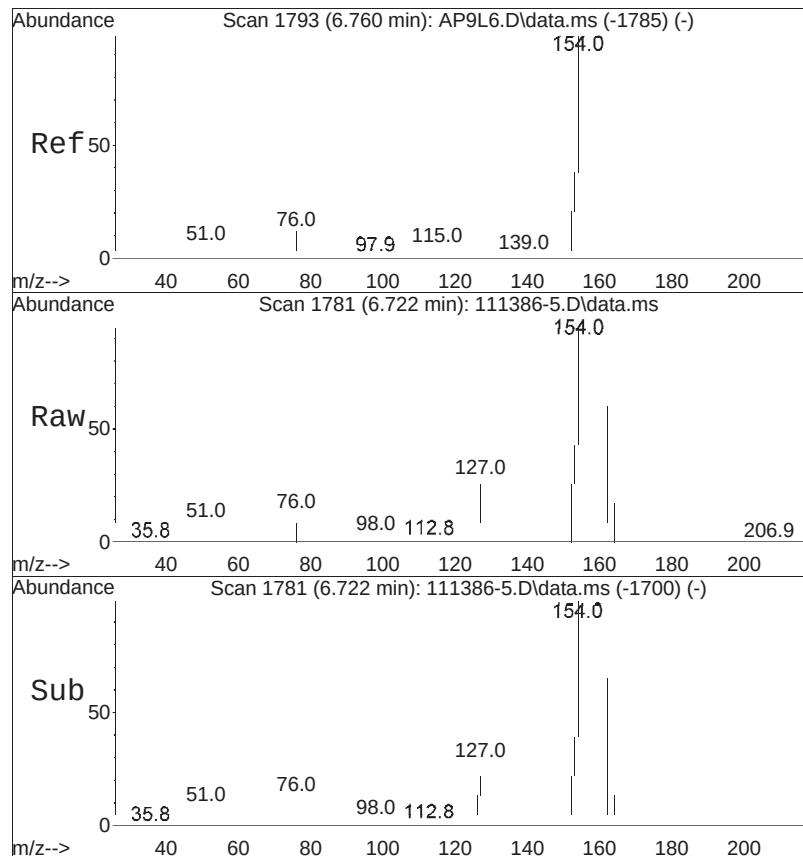




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.24 ug/ml
 RT: 6.421 min Scan# 1684
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

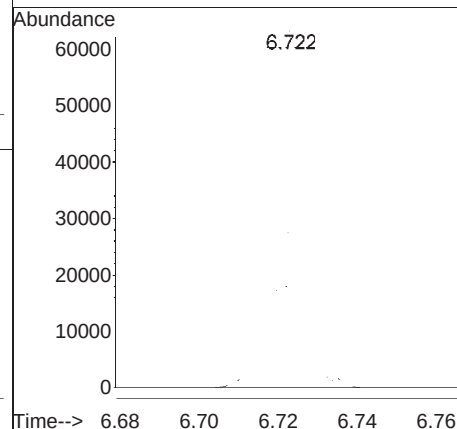
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	18183		
214	78.5	63.7	95.5	
179	20.9	19.0	28.6	

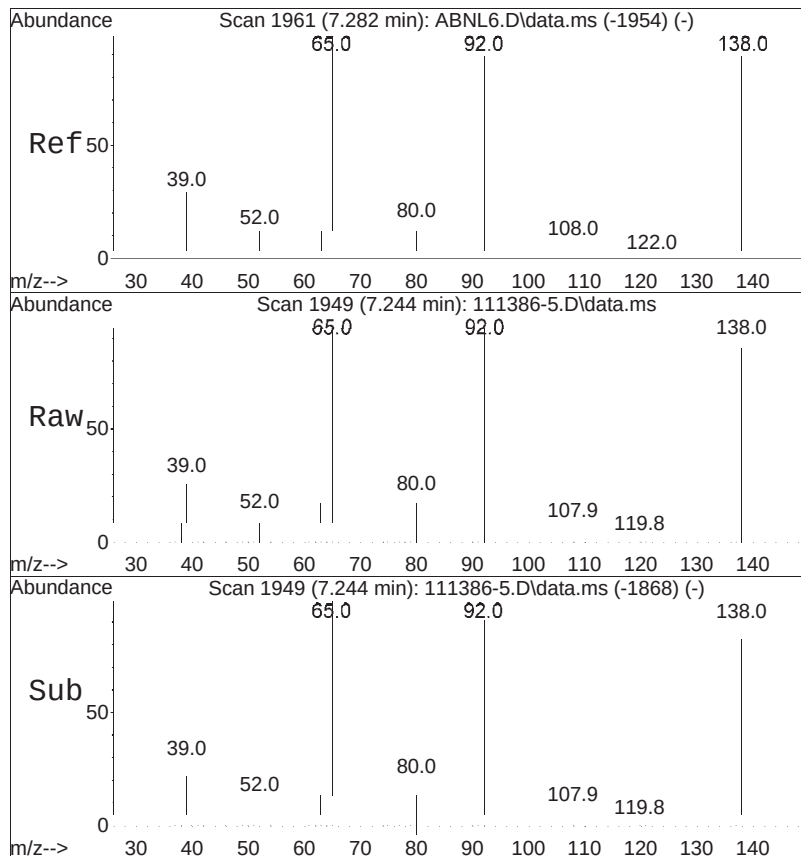




#62
Biphenyl
Concen: 1.33 ug/ml
RT: 6.722 min Scan# 1781
Delta R.T. 0.003 min
Lab File: 111386-5.D
Acq: 6 Sep 2025 12:26 pm

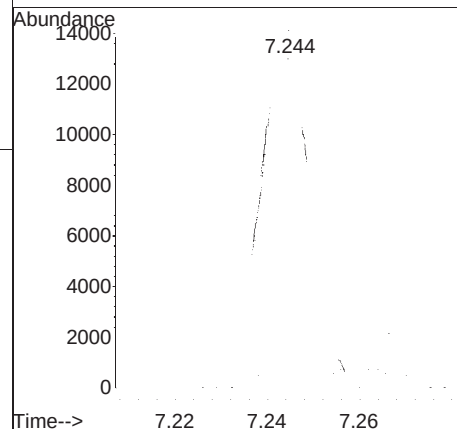
Tgt Ion:	154	Resp:	48723
Ion Ratio	Lower	Upper	
154	100		
153	41.8	32.3	48.5
152	28.2	22.5	33.7

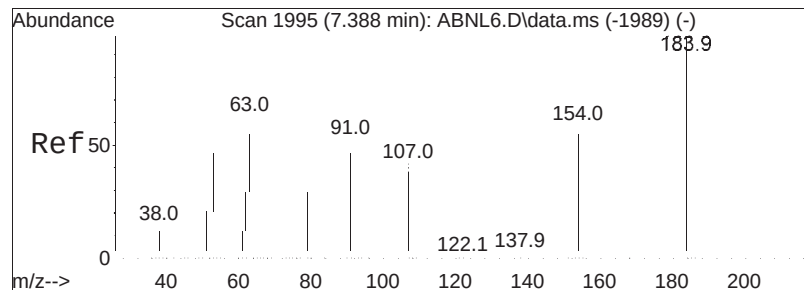




#64
 3-Nitroaniline
 Concen: 1.30 ug/ml
 RT: 7.244 min Scan# 1949
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

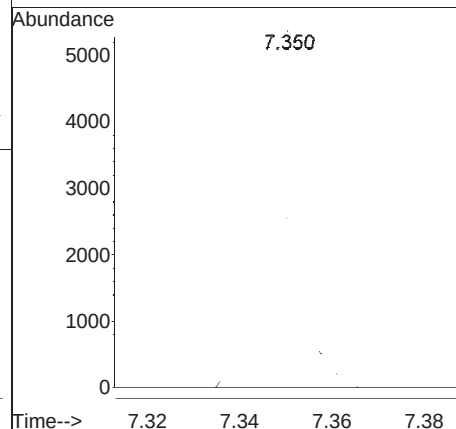
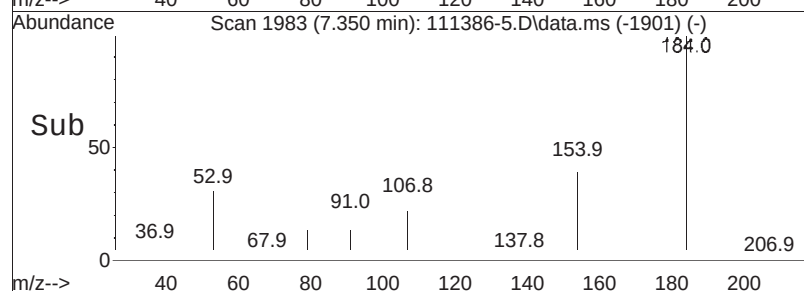
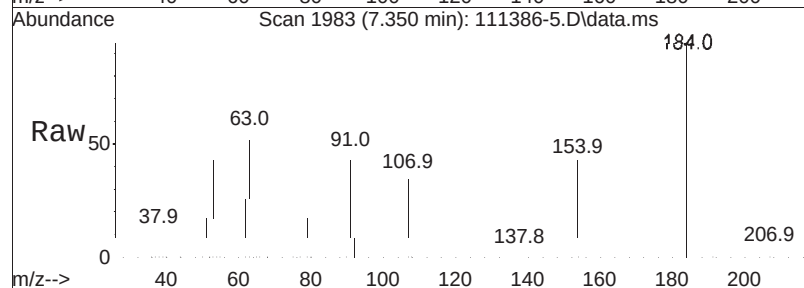
Tgt Ion	Ratio	Lower	Upper
138	100		
92	103.6	93.4	140.2
108	9.5	9.5	14.3

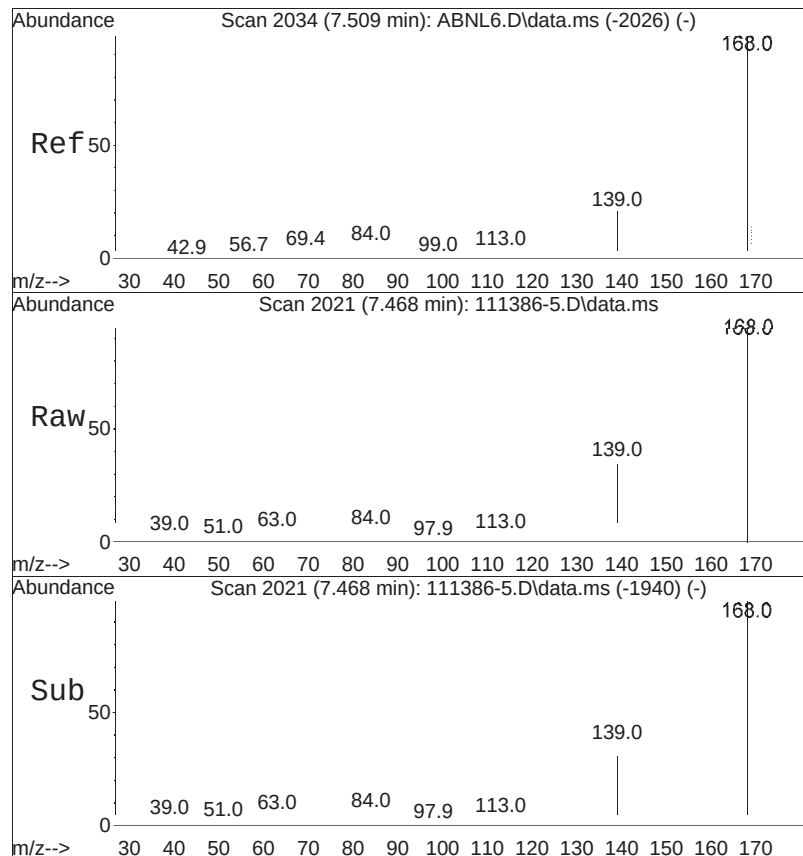




#66
 2,4-Dinitrophenol
 Concen: 1.14 ug/ml
 RT: 7.350 min Scan# 1983
 Delta R.T. 0.006 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

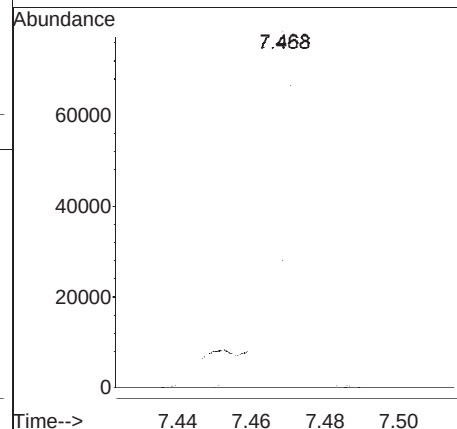
Tgt Ion:	184	Resp:	4355
Ion Ratio	Lower	Upper	
184	100		
107	37.9	37.7	56.5
91	44.8	46.3	69.5#

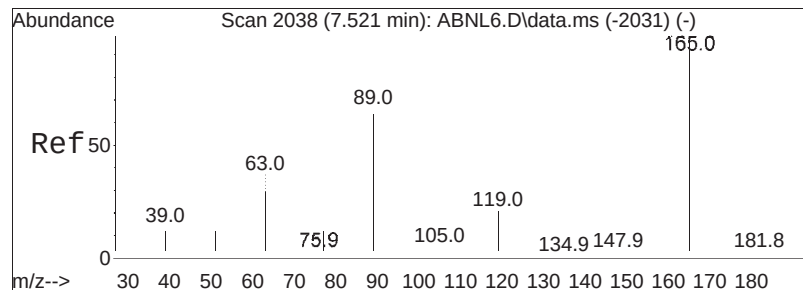




#67
 Dibenzofuran
 Concen: 1.42 ug/ml
 RT: 7.468 min Scan# 2021
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

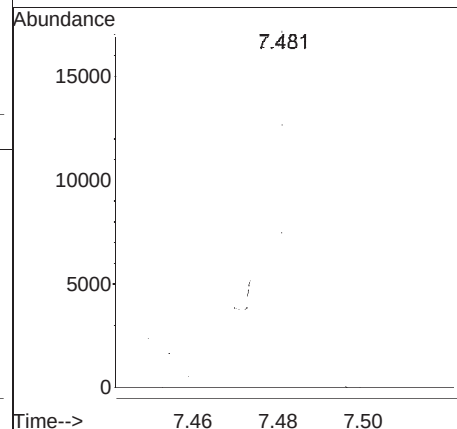
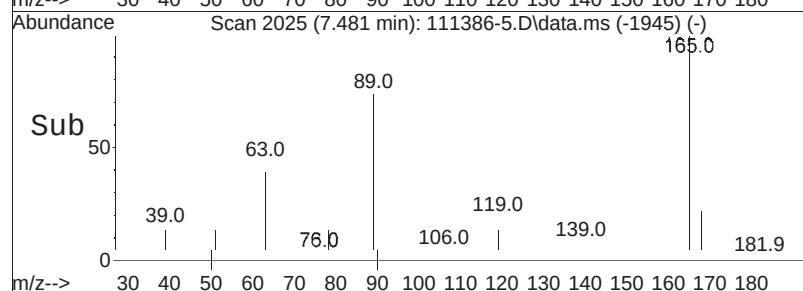
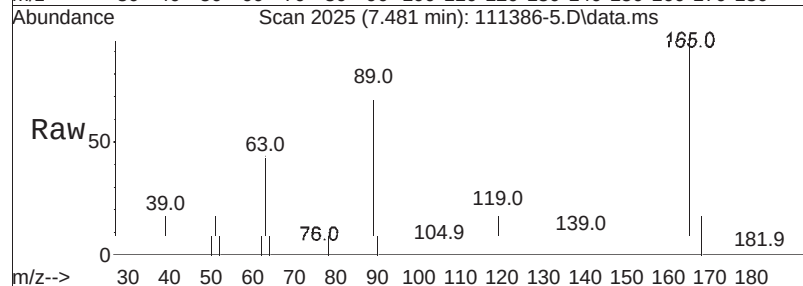
Tgt Ion	Ratio	Lower	Upper
168	100		
139	46.1	31.4	47.2

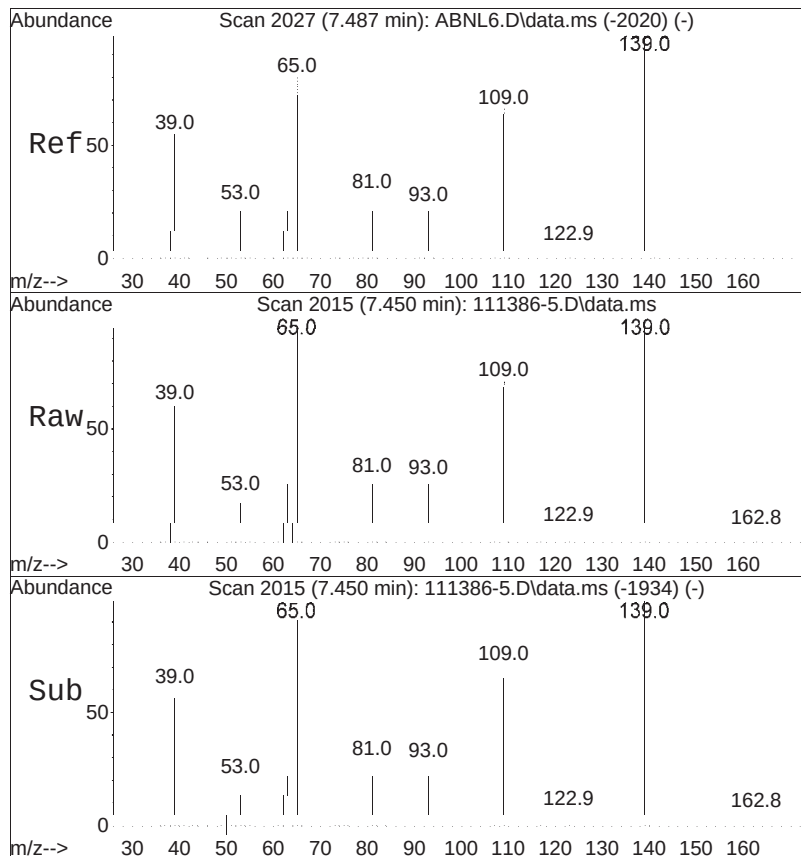




#68
 2,4-Dinitrotoluene
 Concen: 1.41 ug/ml
 RT: 7.481 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

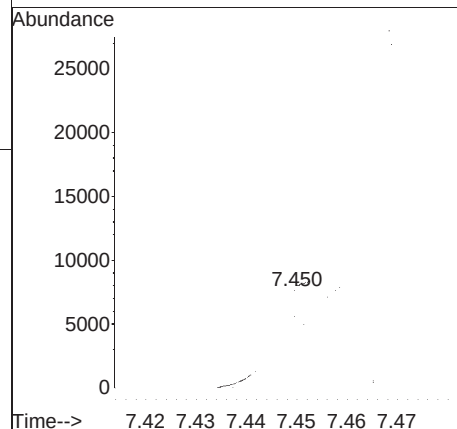
Tgt Ion:	165	Resp:	12504
Ion Ratio	Lower	Upper	
165	100		
89	82.9	72.0	108.0
63	62.5	52.7	79.1

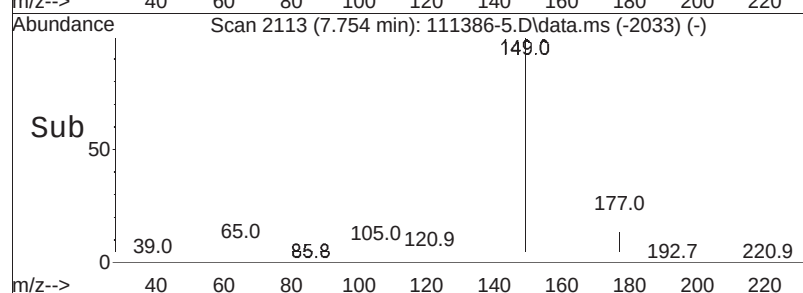
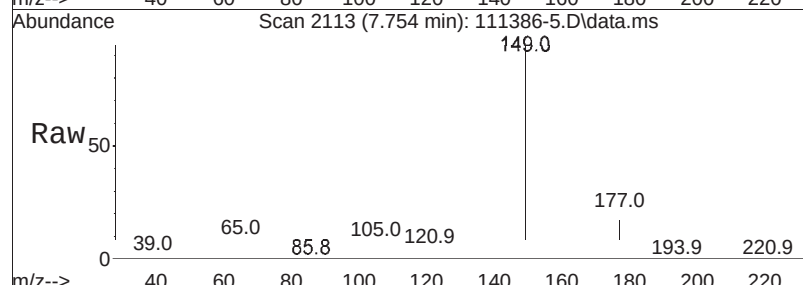
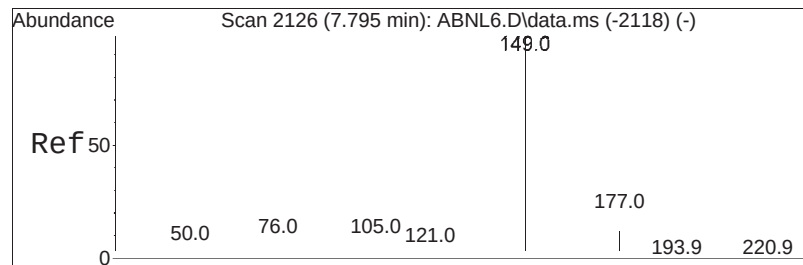




#69
 4-Nitrophenol
 Concen: 1.03 ug/ml
 RT: 7.450 min Scan# 2015
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

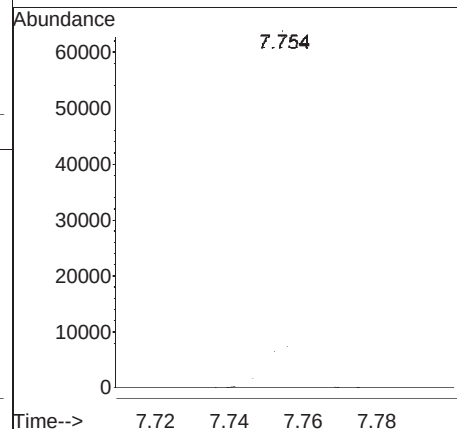
Tgt Ion:	65	Resp:	5637
Ion Ratio	Lower	Upper	
65	100		
109	74.0	47.4	71.2#
139	0.0	76.6	115.0#

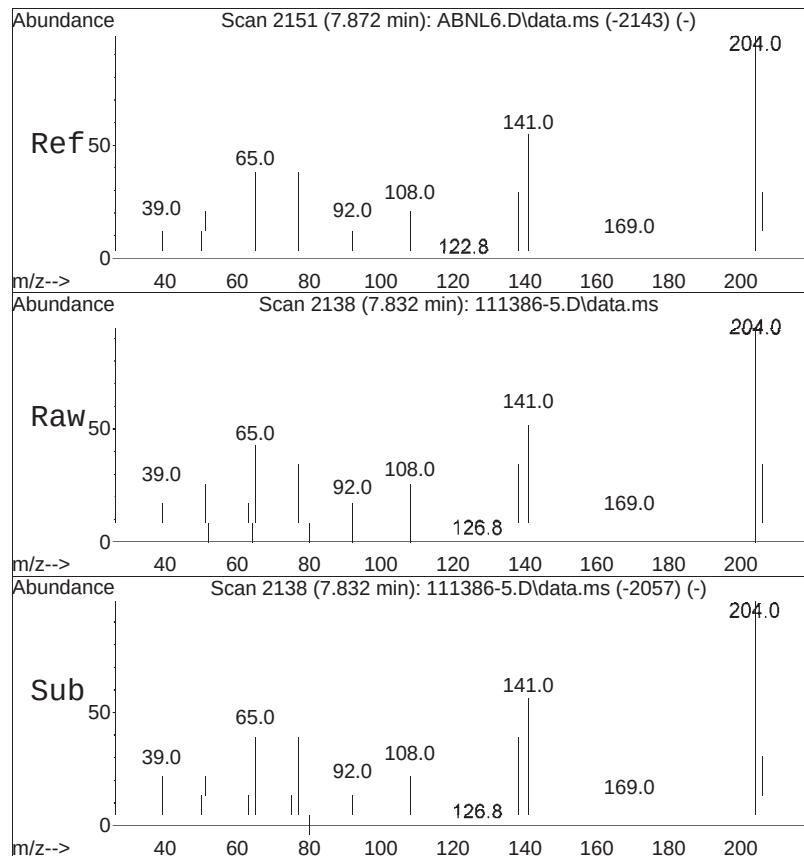




#72
 Diethyl phthalate
 Concen: 1.40 ug/ml
 RT: 7.754 min Scan# 2113
 Delta R.T. -0.000 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

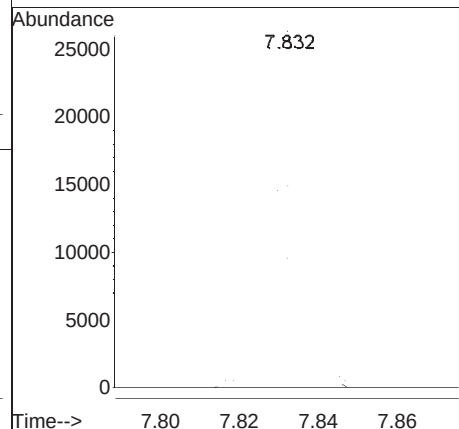
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	48716		
177	19.7		16.1	24.1
150	11.7		9.4	14.2

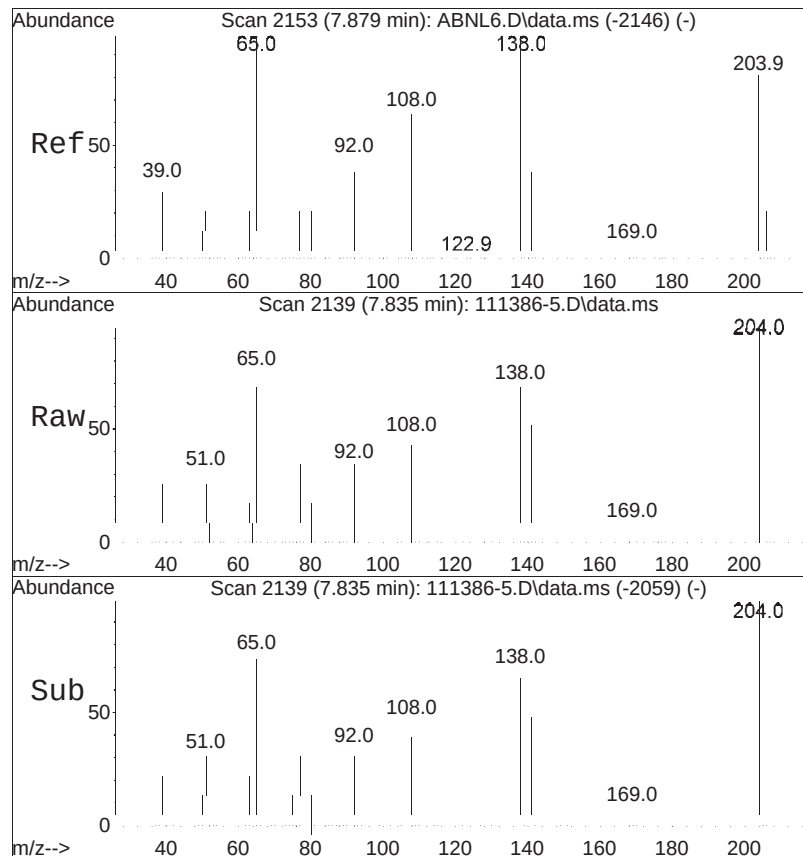




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.35 ug/ml
 RT: 7.832 min Scan# 2138
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

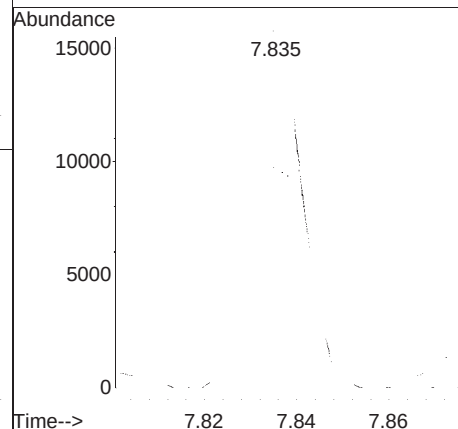
Tgt Ion:	204	Resp:	21318
Ion Ratio	Lower	Upper	
204	100		
206	33.8	25.8	38.6
141	56.3	53.6	80.4

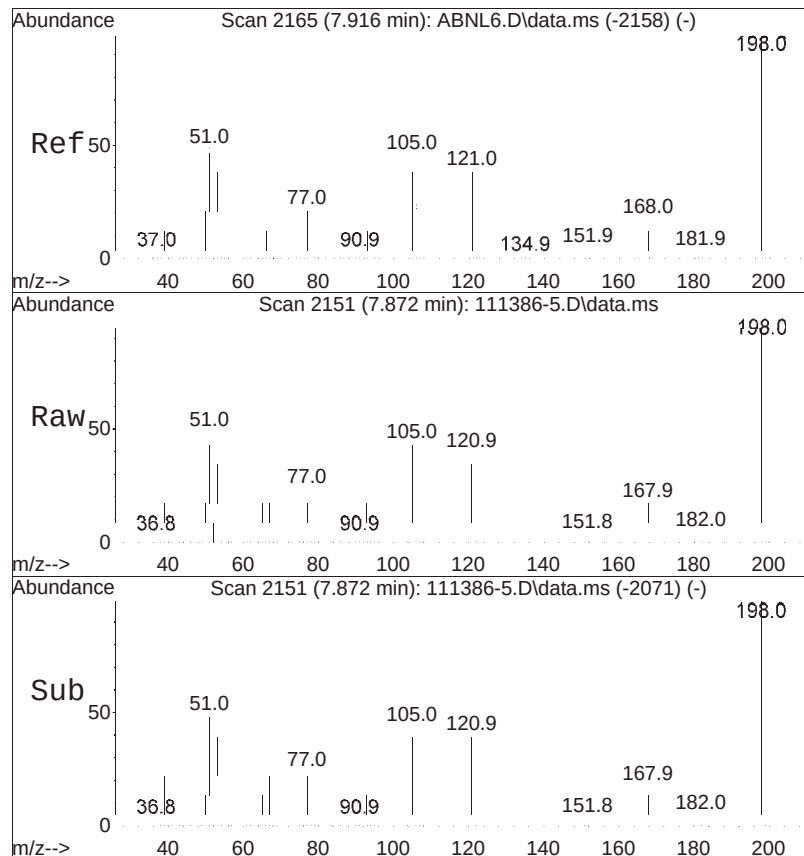




#75
 4-Nitroaniline
 Concen: 1.44 ug/ml
 RT: 7.835 min Scan# 2139
 Delta R.T. -0.000 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

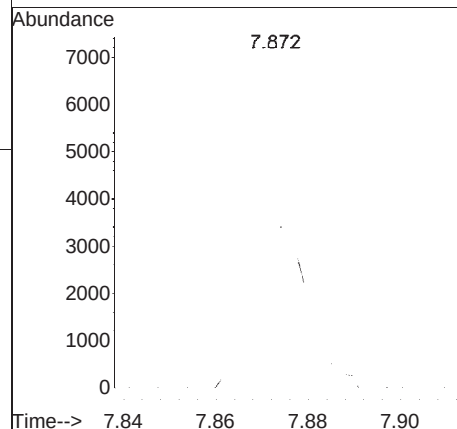
Tgt Ion	Ratio	Lower	Upper
138	100		
108	67.2	52.1	78.1
65	112.8	115.0	172.6#

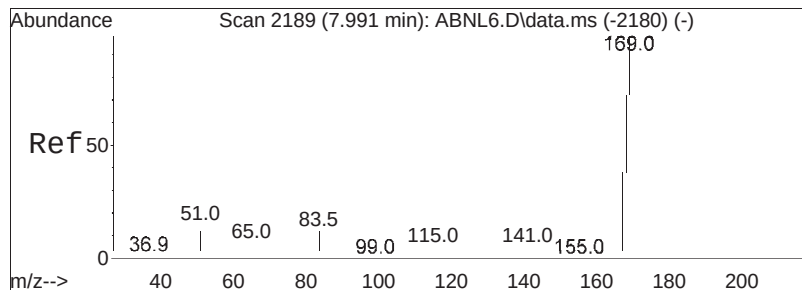




#76
 4,6-Dinitro-o-cresol
 Concen: 1.21 ug/ml
 RT: 7.872 min Scan# 2151
 Delta R.T. -0.000 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

Tgt Ion:	198	Resp:	5974
Ion Ratio	Lower	Upper	
198	100		
51	54.4	76.0	114.0#
105	47.4	45.6	68.4





#77

NDPA/DPA

Concen: 1.40 ug/ml

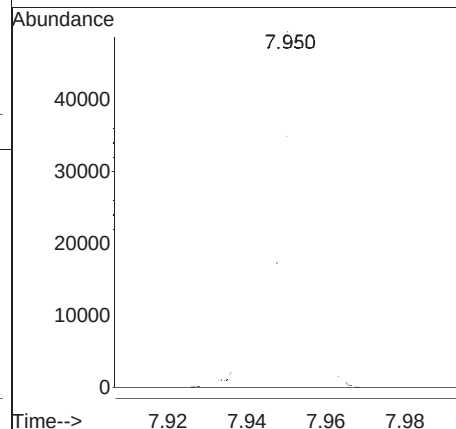
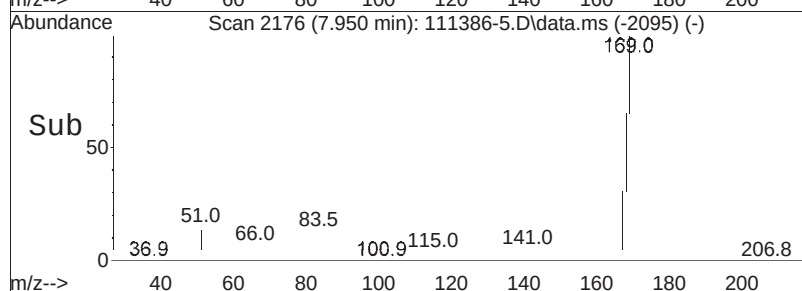
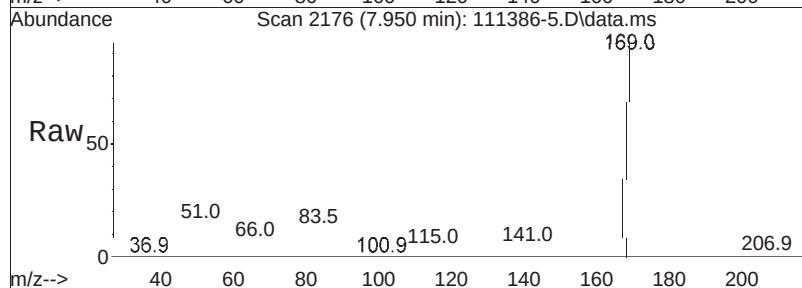
RT: 7.950 min Scan# 2176

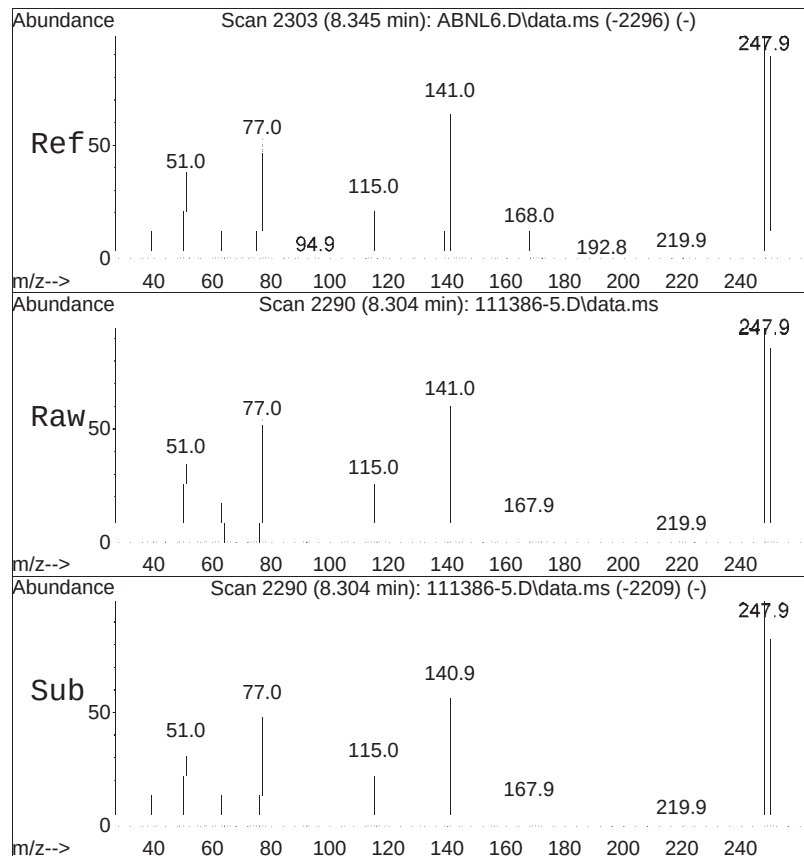
Delta R.T. 0.003 min

Lab File: 111386-5.D

Acq: 6 Sep 2025 12:26 pm

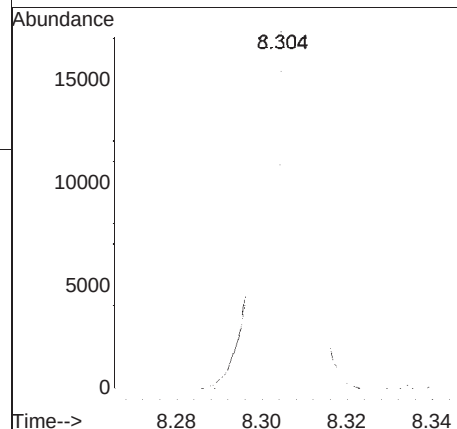
Tgt Ion	Ratio	Lower	Upper
169	100		
168	72.0	54.0	81.0
167	39.8	28.6	42.8

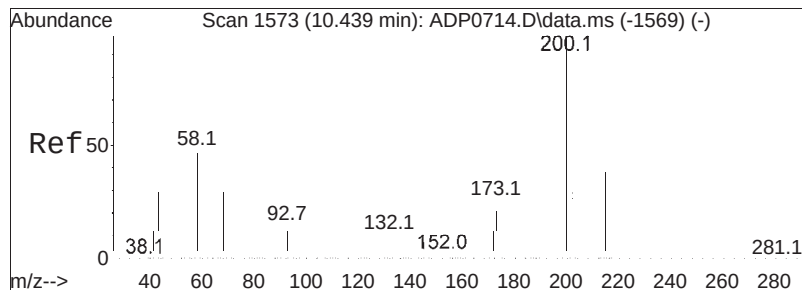




#80
 4-Bromophenyl phenyl ether
 Concen: 1.37 ug/ml
 RT: 8.304 min Scan# 2290
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

Tgt Ion:	248	Resp:	13328
Ion Ratio	Lower	Upper	
248	100		
141	65.8	76.6	114.8#
250	91.6	77.3	115.9





#87

Atrazine

Concen: 1.64 ug/ml

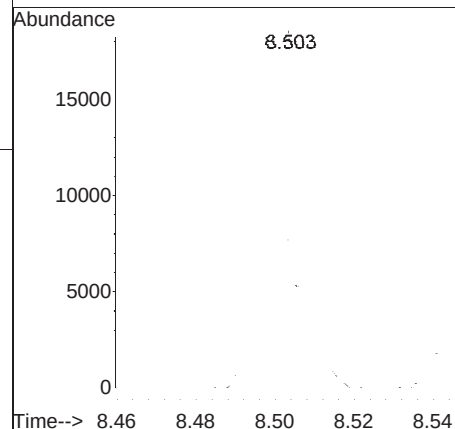
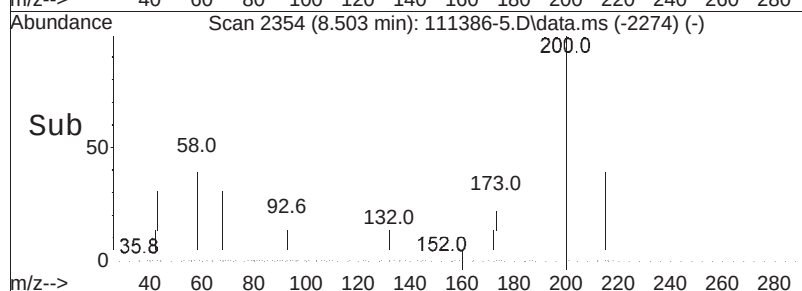
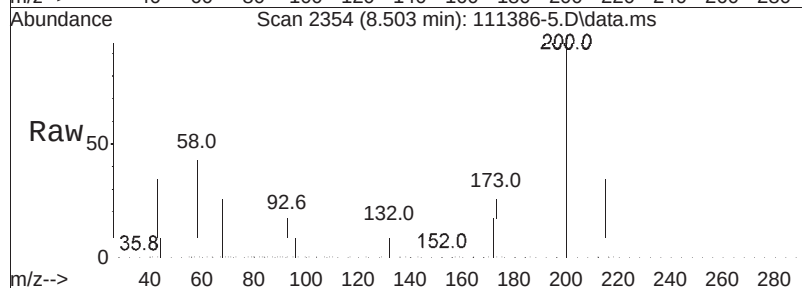
RT: 8.503 min Scan# 2354

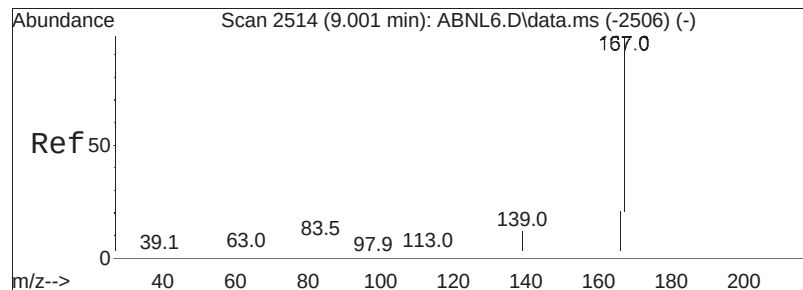
Delta R.T. -0.000 min

Lab File: 111386-5.D

Acq: 6 Sep 2025 12:26 pm

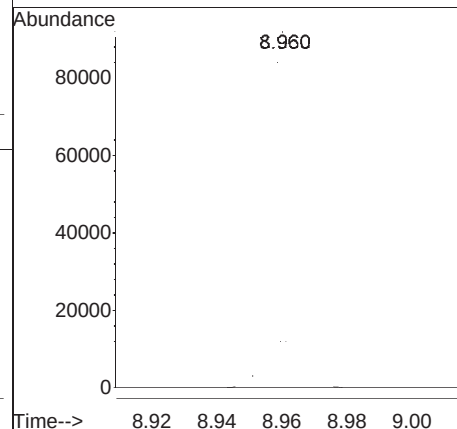
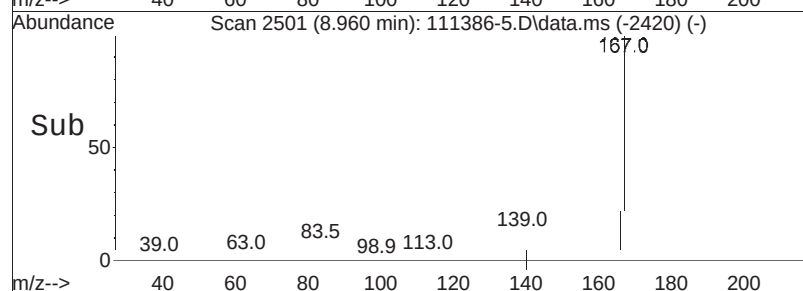
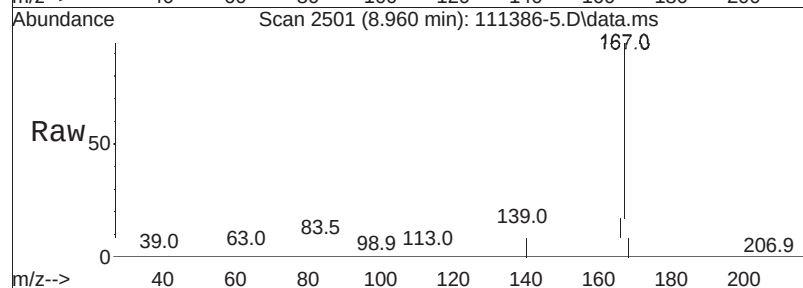
Tgt Ion:	200	Resp:	14068
Ion Ratio	Lower	Upper	
200	100		
202	31.3	25.8	38.6
215	42.7	40.2	60.4

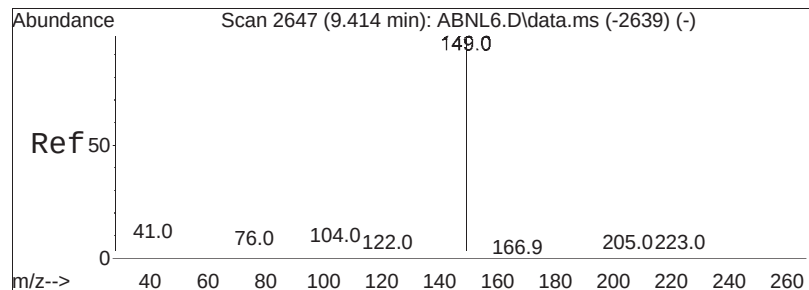




#91
 Carbazole
 Concen: 1.48 ug/ml
 RT: 8.960 min Scan# 2501
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

Tgt Ion	Ratio	Lower	Upper
167	100		
168	14.3	10.6	15.8
166	22.4	17.4	26.0





#92

Di-n-butylphthalate

Concen: 1.46 ug/ml

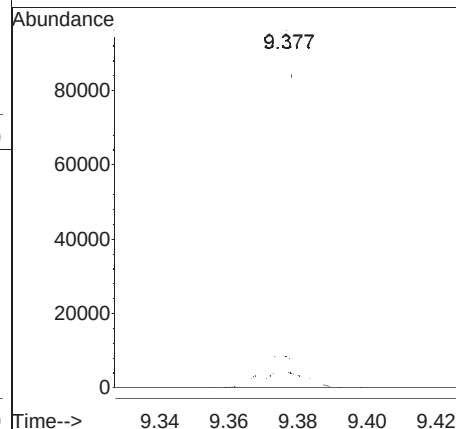
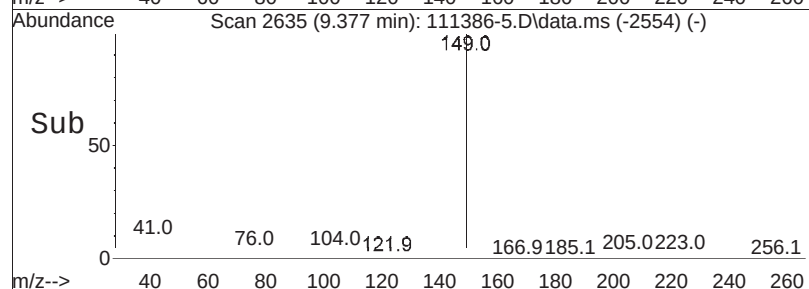
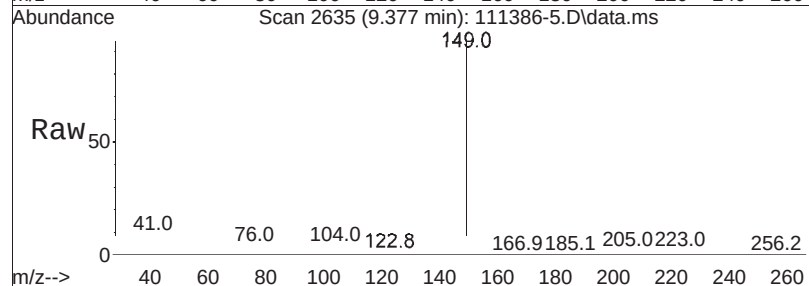
RT: 9.377 min Scan# 2635

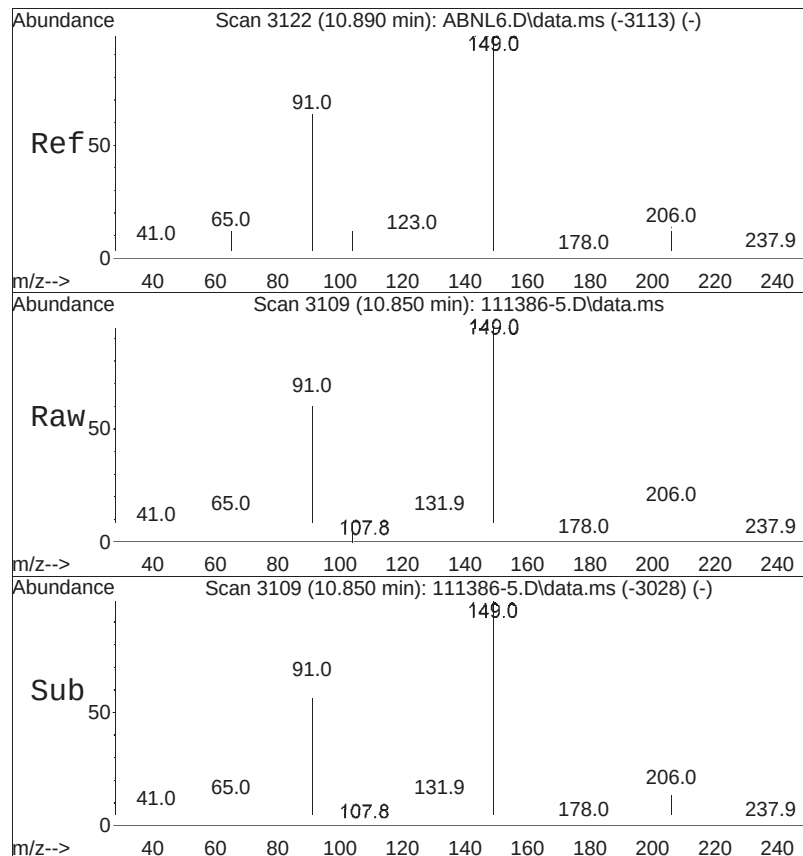
Delta R.T. 0.003 min

Lab File: 111386-5.D

Acq: 6 Sep 2025 12:26 pm

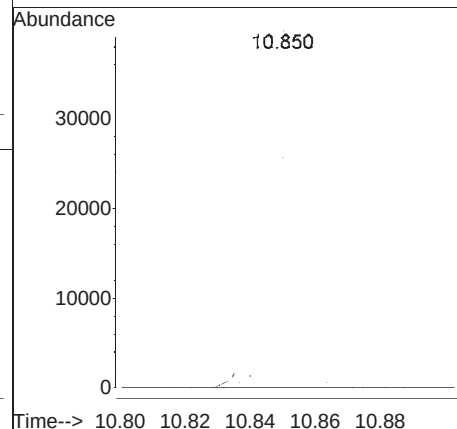
Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	4.8	4.5	6.7

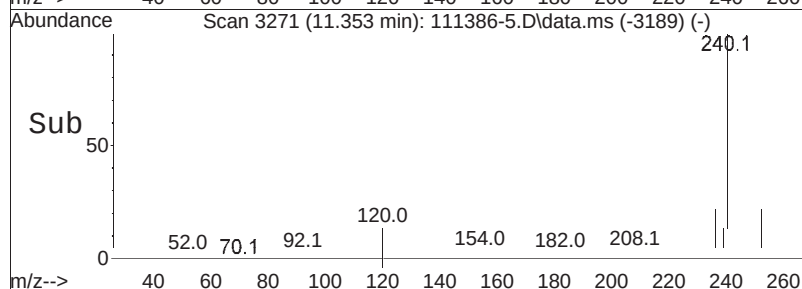
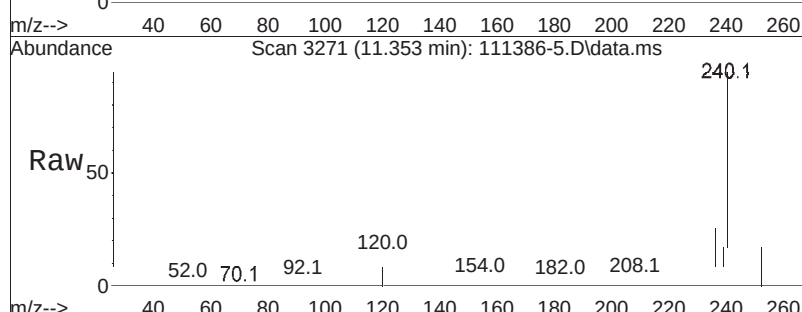
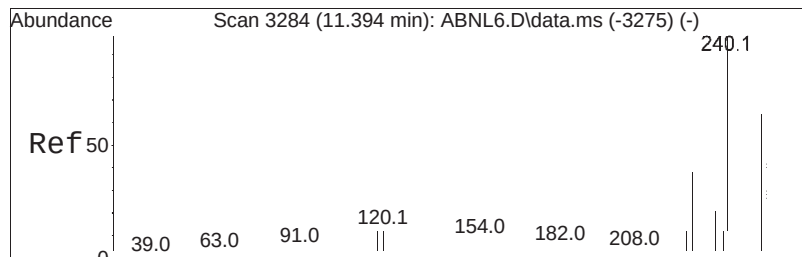




#97
 Butyl benzyl phthalate
 Concen: 1.55 ug/ml
 RT: 10.850 min Scan# 3109
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

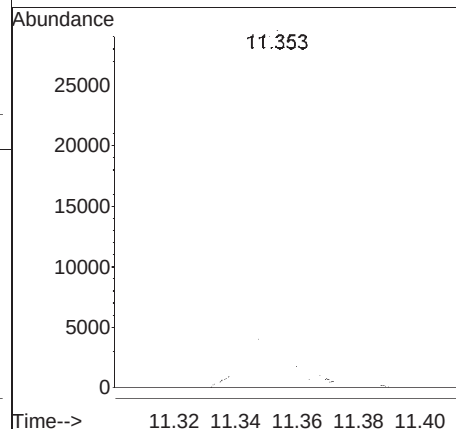
Tgt Ion	Ratio	Lower	Upper
149	100		
91	64.0	63.3	94.9
206	14.2	13.9	20.9

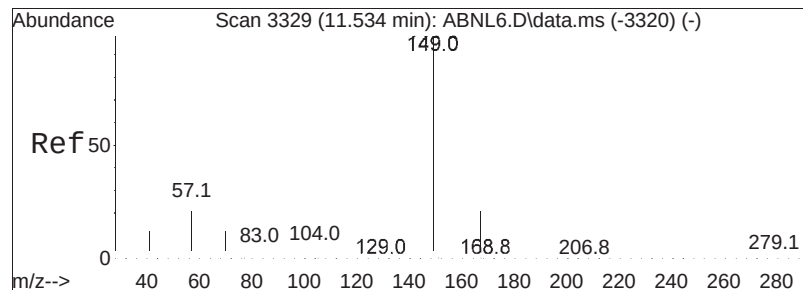




#106
 3,3'-Dichlorobenzidine
 Concen: 1.41 ug/ml
 RT: 11.353 min Scan# 3271
 Delta R.T. 0.006 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

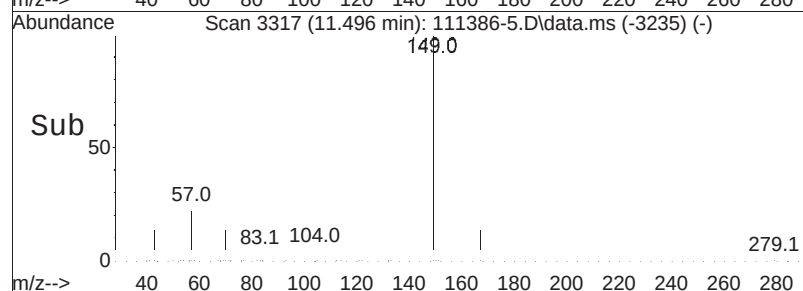
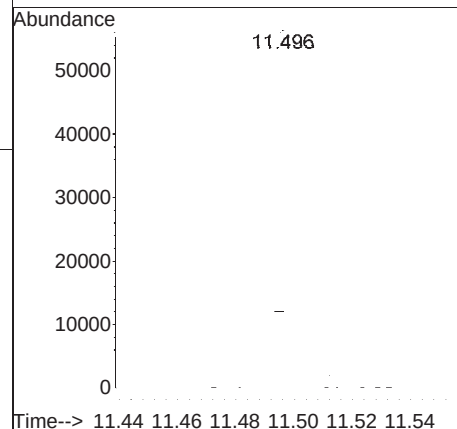
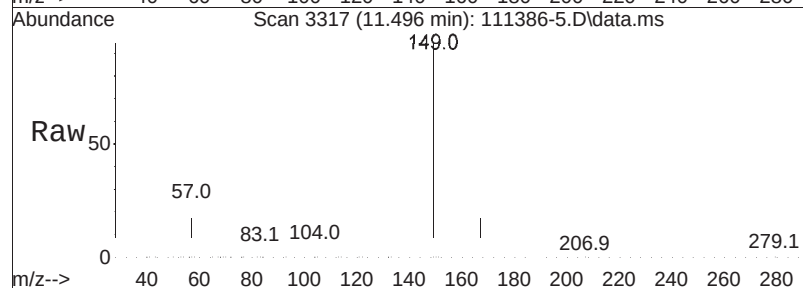
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	27971		
126	17.0		14.5	21.7
254	66.7		51.2	76.8

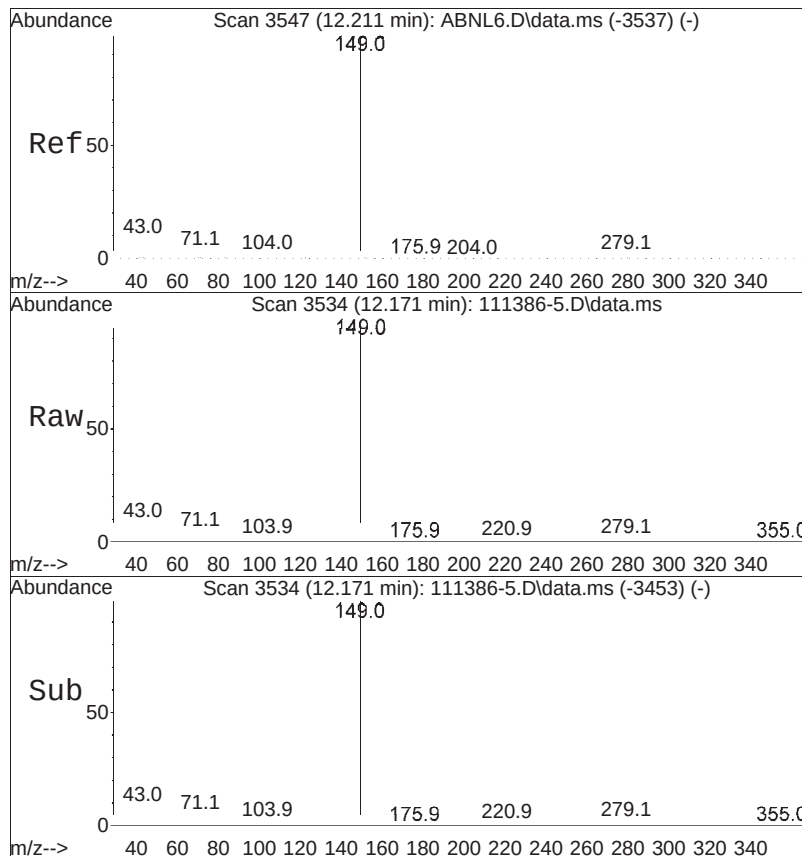




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.53 ug/ml
 RT: 11.496 min Scan# 3317
 Delta R.T. 0.006 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

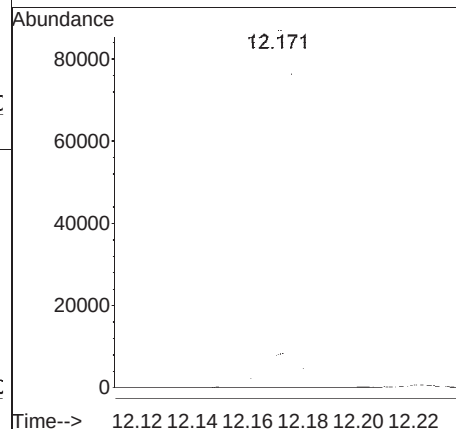
Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.0	22.1	33.1#
279	2.2	3.0	4.4#





#109
 Di-n-octylphthalate
 Concen: 1.52 ug/ml
 RT: 12.171 min Scan# 3534
 Delta R.T. 0.003 min
 Lab File: 111386-5.D
 Acq: 6 Sep 2025 12:26 pm

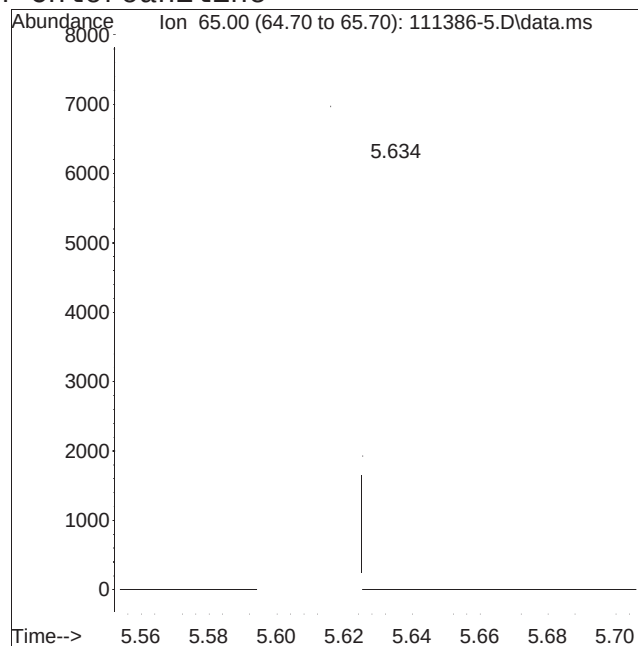
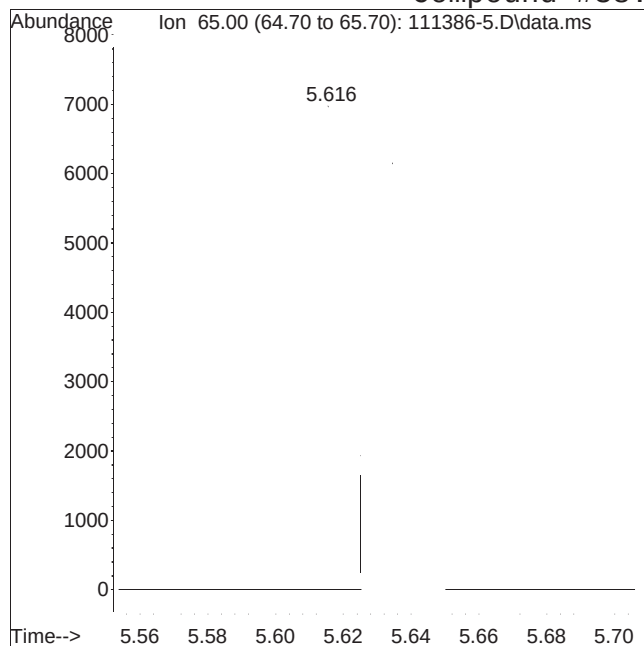
Tgt Ion	149	Resp	92124
Ion Ratio	Lower	Upper	
149	100		
43	9.9	18.8	28.2#
167	1.3	1.3	1.9



Manual Integration Report

Data Path : I:\8270\SV106\250906RVT\ QMethod : FS250827SV106.m
Data File : 111386-5.D Operator : SV106:jg
Date Inj'd : 9/6/2025 12:26 pm Instrument : SV 106
Sample : WG2111386-5,32,,gmr Quant Date : 9/6/2025 12:43 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 5839

Manual Peak Response = 4654 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * 1000 * (1/V_o) * V_f$

Where:

DF = Dilution Factor

V_o = Volume of Sample (mL)

V_f = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $Amt * DF * 1000 * (1/W_t) * V_f * (100/TS)$

Where:

DF = Dilution Factor

W_t = Weight of Sample (g)

V_f = Extraction Lab Final Volume (mL)

TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Sep 10 2025, 06:32 pm

Work Group: WG2111386 for Department: 2 Organic Preparation

Created: 06-SEP-25 Due: Operator: JCL

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2555000-01	TW-03-20250902	C NYTCL-8270-RVT	WATER	DONE	U	0909	0916	S0	Amber-A.1
L2555091-01	IRM-EFFLUENT-250903	S NYTCL-8270-RVT	WATER	DONE	U	0910	0912	S0	Amber-A.1
L2555091-02	IRM-MIDPOINT-250903	S NYTCL-8270-RVT	WATER	DONE	U	0910	0912	S0	Amber-A.1
L2555091-03	IRM-INFLUENT-250903	S NYTCL-8270-RVT	WATER	DONE	U	0910	0912	S0	Amber-A.1
L2555333-01	TW-05-20250903	C NYTCL-8270-RVT	WATER	DONE	U	0910	0912	S0	Amber-A.1
L2555333-02	TW-02-20250903	C NYTCL-8270-RVT	WATER	DONE	U	0910	0912	S0	Amber-A.1
L2555459-01	ALB R0-TYPE II	S NYTCL-8270-RVT	WATER	DONE	U	0911	0912	NC	Amber-A.1
L2555605-01	MW-8S	C NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-02	MW-8D	C NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-03	MW-5D	C NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-04	PZ-5	C NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-05	MW-12D	C NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-06	MW-12S	C NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-07	MW-4S	C NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-08	MW-4D2	C NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
WG2111386-1	Laboratory Method B1	S NYTCL-8270-RVT	WATER	DONE	U				
WG2111386-2	Laboratory Control S	S NYTCL-8270-RVT	WATER	DONE	U				
WG2111386-3	LCS Duplicate	S NYTCL-8270-RVT	WATER	DONE	U				
WG2111386-4	Matrix Spike	S NYTCL-8270-RVT	WATER	DONE	U				
WG2111386-5	Matrix Spike Duplica	S NYTCL-8270-RVT	WATER	DONE	U				
Comments:									
WG2111386-3	WG2111386-2								
WG2111386-4	L2555605-02								
WG2111386-5	L2555605-02								

Analysis log File

Total Files Reported in Log : 33

Log Generated From Directory: I:\8270\SV106\250827\ICAL\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	ABNRVT(SIM).	Tune1 Lot# 11857	WG2108428,,	8/27/2025 7:04 pm
2	ABNL9.D	ABNRVT(SIM).	IL2,32,,ABNL50 Lot# 118	WG2108428,,	8/27/2025 8:12 pm
3	ABNL8.D	ABNRVT(SIM).	IL3,32,,ABNL25 Lot# 118	WG2108428,,	8/27/2025 8:33 pm
4	ABNL7.D	ABNRVT(SIM).	IL4,32,,ABNL10 Lot# 118	WG2108428,,	8/27/2025 9:03 pm
5	ABNL6.D	ABNRVT(SIM).	IL5,32,,ABNL5 Lot# 1188	WG2108428,,	8/27/2025 9:24 pm
6	ABNL5.D	ABNRVT(SIM).	IL6,32,,ABNL2.5 Lot# 11	WG2108428,,	8/27/2025 9:46 pm
		()			8/27/2025 10:07 pm
8	ABNL3.D	ABNRVT(SIM).	IL8,32,,ABNL0.5 Lot# 11	WG2108428,,	8/27/2025 10:28 pm
9	ABNL2.D	ABNRVT(SIM).	IL9,32,,ABNL0.2 Lot# 11	WG2108428,,	8/27/2025 10:50 pm
10	ABNL1.D	ABNRVT(SIM).	IL10,32,,ABNL0.1 Lot# 1	WG2108428,,	8/27/2025 11:11 pm
11	ABNICV.D	ABNRVT(SIM).	CQICV1,32,,ABNICV Lot#	WG2108428,,	8/27/2025 11:33 pm
12	Tune2.D	ABNRVT(SIM).	Tune2 Lot# 11857	WG2108428,,	8/27/2025 11:54 pm
13	AP9L9.D	ABNRVT(SIM).	IL2,32,,AP9L50 Lot# 119	WG2108428,,	8/28/2025 12:16 am
14	AP9L7.D	ABNRVT(SIM).	IL4,32,,AP9L10 Lot# 119	WG2108428,,	8/28/2025 12:58 am
15	AP9L8.D	ABNRVT(SIM).	IL3,32,,AP9L25 Lot# 119	WG2108428,,	8/28/2025 12:37 am
16	AP9L6.D	ABNRVT(SIM).	IL5,32,,AP9L5 Lot# 1192	WG2108428,,	8/28/2025 1:20 am
17	AP9L5.D	ABNRVT(SIM).	IL6,32,,AP9L2.5 Lot# 11	WG2108428,,	8/28/2025 1:41 am
18	AP9L4.D	ABNRVT(SIM).	IL7,32,,AP9L1 Lot# 1192	WG2108428,,	8/28/2025 2:03 am
19	AP9L3.D	ABNRVT(SIM).	IL8,32,,AP9L0.5 Lot# 11	WG2108428,,	8/28/2025 2:24 am
20	AP9L2.D	ABNRVT(SIM).	IL9,32,,AP9L0.2 Lot# 11	WG2108428,,	8/28/2025 2:45 am
21	AP9L1.D	ABNRVT(SIM).	IL10,32,,AP9L0.1 Lot# 1	WG2108428,,	8/28/2025 3:07 am
22	ADPL9.D	ABNRVT(SIM).	IL2,32,,ADPL50 Lot# 119	WG2108428,,	8/28/2025 3:28 am
23	ADPL8.D	ABNRVT(SIM).	IL3,32,,ADPL25 Lot# 119	WG2108428,,	8/28/2025 3:50 am
24	ADPL7.D	ABNRVT(SIM).	IL4,32,,ADPL10 Lot# 119	WG2108428,,	8/28/2025 4:11 am
25	ADPL6.D	ABNRVT(SIM).	IL5,32,,ADPL5 Lot# 1190	WG2108428,,	8/28/2025 4:32 am
26	ADPL5.D	ABNRVT(SIM).	IL6,32,,ADPL2.5 Lot# 11	WG2108428,,	8/28/2025 4:54 am
27	ADPL4.D	ABNRVT(SIM).	IL7,32,,ADPL1 Lot# 1190	WG2108428,,	8/28/2025 5:15 am
28	ADPL3.D	ABNRVT(SIM).	IL8,32,,ADPL0.5 Lot# 11	WG2108428,,	8/28/2025 5:36 am
29	ADPL2.D	ABNRVT(SIM).	IL9,32,,ADPL0.2 Lot# 11	WG2108428,,	8/28/2025 5:58 am
30	ADPL1.D	ABNRVT(SIM).	IL10,32,,ADPL0.1 Lot# 1	WG2108428,,	8/28/2025 6:19 am
31	AP9ICV.D	ABNRVT(SIM).	CQICV2,32,,AP9ICV Lot#	WG2108428,,	8/28/2025 6:40 am
32	ADPICV.D	ABNRVT(SIM).	CQICV,32,,ADPICV Lot# 1	WG2108428,,	8/28/2025 7:02 am
33	Blank.D	ABNRVT(SIM).	RVT Instrument Blank	wg,,ical	8/28/2025 7:23 am

Printed: 08/28/25

Page: 1

Dep.: GCMS
 Inst: SV106
 Date: 09/06/25
 Run:

Method
 GC: ABNRVT(SIM)
 Seq: WG2111447
 ICAL: 22591



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0906	wg-1,32,,SV106 Degdftpp	Lot # 11857			9/10jg
142	ABN0906	wg-3,32,,ABN 11881 cmm	0831A Full List: Some Outages			9/10jg
143	AP90906	wg-4,32,,AP9 11965 cmm	0831A			9/10jg
144	ADP0906	wg-5,32,,ADP 11661 gmr	0814B			9/10jg
1	45715-01	L2545715-01,32,,RE,LOQ,gmr				
2	109793-1	WG2109793-1,32,,RE,LOQ,gmr				
3	109793-2	WG2109793-2,32,,RE,LOQ,gmr				
4	109793-3	WG2109793-3,32,,RE,LOQ,gmr				
5	109793-4	WG2109793-4,32,,RE,LOQ,gmr				
6	109793-5	WG2109793-5,32,,RE,LOQ,gmr				
7	111386-1	WG2111386-1,32,,gmr				9/10jg
8	111386-2	WG2111386-2,32,,gmr				9/10jg
9	111386-3	WG2111386-3,32,,gmr				9/10jg
10	111386-4	WG2111386-4,32,,gmr				9/10jg
11	111386-5	WG2111386-5,32,,gmr				9/10jg
12	55000-01	L2555000-01,32,,gmr				9/10jg
13	55091-01	L2555091-01,32,,gmr				9/10jg
14	55091-02	L2555091-02,32,,gmr				9/10jg
15	55091-03	L2555091-03,32,,gmr				9/10jg
16	55333-01	L2555333-01,32,,gmr				9/10jg
17	55333-02	L2555333-02,32,,gmr				9/10jg
18	55459-01	L2555459-01,32,,gmr				9/10jg
19	55605-01	L2555605-01,32,,gmr				9/10jg
20	55605-02	L2555605-02,32,,gmr				9/10jg
21	55605-03	L2555605-03,32,,gmr				9/10jg
22	55605-04	L2555605-04,32,,gmr				9/10jg
23	55605-05	L2555605-05,32,,gmr				9/10jg
24	55605-06	L2555605-06,32,,gmr				9/10jg
25	55605-07	L2555605-07,32,,gmr				9/10jg
26	55605-08	L2555605-08,32,,gmr			gmr	9/10jg
					sv-csn	



ORGANIC ELN REPORT

Workgroup: WG2111386

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN Spike Verify by: JCL Lims Spikelot: 8270-RVT Additional Reagents/Std	Lot #: EK611 Lot #: 11819aj,01/30/2026,2r,7,1 Lot #: 11808-AG,11/30/2025,11818ao		Conc.Method: Buchi Solvent Type: DCM Lot #: EK611 Additional Reagents/Std		Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std
	H2SO4 A062825				
	Na2SO4 244434				
	NaOH 10NNaOH070625				

Extraction							Concentration			
Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2555000-01 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555091-01 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555091-02 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555091-03 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555333-01 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K



ORGANIC ELN REPORT

Workgroup: WG2111386

Extraction							Concentration			
Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2555333-02 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555459-01 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555605-01 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555605-02 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555605-03 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555605-04 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555605-05 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555605-06 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K



ORGANIC ELN REPORT

Workgroup: WG2111386

Extraction							Concentration			
Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2555605-07 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555605-08 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
WG2111386-1 BLANK	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
WG2111387										
WG2111386-2 LCS	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1	.1	09/06/25 06:42	Rebecca Corbin	1	K
WG2111386-3 LCSD	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1	.1	09/06/25 06:42	Rebecca Corbin	1	K
WG2111386-4 MS	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1	.1	09/06/25 06:42	Rebecca Corbin	1	K
WG2111386-5 MSD	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1	.1	09/06/25 06:42	Rebecca Corbin	1	K

Semivolatiles Data
by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary

Form 2

Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2555605
Project Number: 2232.0006Y005
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-8S (L2555605-01)	43	32	70	62	67	72	0
MW-8D (L2555605-02)	50	37	78	70	72	78	0
MW-5D (L2555605-03)	48	36	74	64	75	72	0
PZ-5 (L2555605-04)	38	26	81	75	76	90	0
MW-12D (L2555605-05)	48	36	78	68	64	72	0
MW-12S (L2555605-06)	53	40	80	70	75	75	0
MW-4S (L2555605-07)	43	34	77	70	60	77	0
MW-4D2 (L2555605-08)	55	40	79	72	78	78	0
WG2111387-1BLANK	57	42	83	71	87	82	0
WG2111387-2LCS	68	50	91	77	108	87	0
WG2111387-3LCSD	71	54	98	82	117	92	0
MW-8DMS	65	49	88	74	92	75	0
MW-8DMSD	62	45	85	72	95	77	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-SIM-RVT



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
 Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2111387-2 Analysis Date : 09/09/25 18:09 File ID : 111387-2
 LCSD Sample ID : WG2111387-3 Analysis Date : 09/09/25 18:25 File ID : 111387-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acenaphthene	20	16	78	20	16	83	6	40-140	40
2-Chloronaphthalene	20	15	76	20	16	80	5	40-140	40
Fluoranthene	20	18	91	20	19	96	5	40-140	40
Hexachlorobutadiene	20	12	62	20	13	64	3	40-140	40
Naphthalene	20	14	70	20	14	73	4	40-140	40
Benzo(a)anthracene	20	19	94	20	19	97	3	40-140	40
Benzo(a)pyrene	20	19	97	20	21	103	6	40-140	40
Benzo(b)fluoranthene	20	20	99	20	22	111	11	40-140	40
Benzo(k)fluoranthene	20	19	93	20	18	92	1	40-140	40
Chrysene	20	18	91	20	19	96	5	40-140	40
Acenaphthylene	20	17	84	20	18	90	7	40-140	40
Anthracene	20	17	87	20	19	94	8	40-140	40
Benzo(ghi)perylene	20	19	94	20	20	98	4	40-140	40
Fluorene	20	17	83	20	18	89	7	40-140	40
Phenanthrene	20	17	83	20	18	88	6	40-140	40
Dibenzo(a,h)anthracene	20	19	94	20	20	98	4	40-140	40
Indeno(1,2,3-cd)pyrene	20	20	101	20	21	106	5	40-140	40
Pyrene	20	18	90	20	19	95	5	40-140	40
2-Methylnaphthalene	20	15	77	20	16	80	4	40-140	40
Pentachlorophenol	20	26	131	20	27	136	4	40-140	40
Hexachlorobenzene	20	17	85	20	18	91	7	40-140	40
Hexachloroethane	20	12	61	20	13	65	6	40-140	40
Bis(2-chloroethyl)ether	20	16	78	20	17	83	6	40-140	40



Matrix Spike Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2111387-4
 Matrix Spike Dup : WG2111387-5

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 Analysis Date : 09/09/25 23:13
 MS Analysis Date : 09/09/25 23:30
 MSD Analysis Date : 09/09/25 23:47

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Acenaphthene	ND	20	15	75	20	14	70	7	40-140	40
2-Chloronaphthalene	ND	20	15	75	20	14	70	7	40-140	40
Fluoranthene	ND	20	16	80	20	16	80	0	40-140	40
Hexachlorobutadiene	ND	20	12	60	20	12	60	0	40-140	40
Naphthalene	ND	20	14	70	20	13	65	7	40-140	40
Benzo(a)anthracene	ND	20	17	85	20	16	80	6	40-140	40
Benzo(a)pyrene	ND	20	17	85	20	17	85	0	40-140	40
Benzo(b)fluoranthene	ND	20	17	85	20	17	85	0	40-140	40
Benzo(k)fluoranthene	ND	20	17	85	20	16	80	6	40-140	40
Chrysene	ND	20	16	80	20	16	80	0	40-140	40
Acenaphthylene	ND	20	16	80	20	16	80	0	40-140	40
Anthracene	ND	20	16	80	20	16	80	0	40-140	40
Benzo(ghi)perylene	ND	20	17	85	20	16	80	6	40-140	40
Fluorene	ND	20	16	80	20	15	75	6	40-140	40
Phenanthrene	ND	20	15	75	20	15	75	0	40-140	40
Dibenzo(a,h)anthracene	ND	20	17	85	20	16	80	6	40-140	40
Indeno(1,2,3-cd)pyrene	ND	20	18	90	20	17	85	6	40-140	40
Pyrene	ND	20	16	80	20	16	80	0	40-140	40
2-Methylnaphthalene	ND	20	15	75	20	14	70	7	40-140	40
Pentachlorophenol	ND	20	24	120	20	23	120	4	40-140	40
Hexachlorobenzene	ND	20	16	80	20	15	75	6	40-140	40
Hexachloroethane	ND	20	12	60	20	12	60	0	40-140	40



Matrix Spike Sample Summary **Form 3** **Semivolatiles**

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2555605-02	Analysis Date	: 09/09/25 23:13
Matrix Spike	: WG2111387-4	MS Analysis Date	: 09/09/25 23:30
Matrix Spike Dup	: WG2111387-5	MSD Analysis Date	: 09/09/25 23:47

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Bis(2-chloroethyl)ether	ND	20	16	80	20	14	70	13	40-140	40

**Method Blank Summary
Form 4
Semivolatiles**

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab Sample ID	: WG2111387-1	Lab File ID	: 111387-1
Instrument ID	: SV125	Extraction Date	: 09/06/25
Matrix	: WATER	Analysis Date	: 09/09/25 18:42
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2111387-2LCS	WG2111387-2	09/09/25 18:09
WG2111387-3LCSD	WG2111387-3	09/09/25 18:25
MW-8S	L2555605-01	09/09/25 18:59
MW-5D	L2555605-03	09/09/25 19:33
PZ-5	L2555605-04	09/09/25 21:49
MW-12D	L2555605-05	09/09/25 22:06
MW-12S	L2555605-06	09/09/25 22:23
MW-4S	L2555605-07	09/09/25 22:39
MW-4D2	L2555605-08	09/09/25 22:56
MW-8D	L2555605-02	09/09/25 23:13
MW-8DMS	WG2111387-4	09/09/25 23:30
MW-8DMSD	WG2111387-5	09/09/25 23:47

Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV125	Analysis Date : 09/08/25 18:17
Tune Standard : R2008306-12	Tune File ID : Tune_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	59.2
68	Less than 2.0% of mass 69	0.4 (.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	59.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	24.1
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	79.8
443	15.0 - 24.0% of mass 442	15.2 (19.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
IL10	R2008306-2	IL10	09/08/25 19:01
IL9	R2008306-9	IL9	09/08/25 19:17
IL8	R2008306-10	IL8	09/08/25 19:34
IL7	R2008306-8	IL7	09/08/25 19:51
IL6	R2008306-7	IL6	09/08/25 20:07
IL5	R2008306-5	IL5	09/08/25 20:24
IL4	R2008306-6	IL4	09/08/25 20:41
IL3	R2008306-4	IL3	09/08/25 20:58
IL2	R2008306-3	IL2	09/08/25 21:14
IL1	R2008306-1	IL1	09/08/25 21:31
ICV Quant Report	R2008306-11	ICV	09/08/25 21:48



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV125	Analysis Date : 09/09/25 08:28
Tune Standard : WG2112407-1	Tune File ID : deg0909_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	60.2
68	Less than 2.0% of mass 69	0.9 (1.9)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	58.5
197	Less than 2.0% of mass 198	0.2
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.1
275	10.0 - 60.0% of Base Peak	22.1
365	Greater than 1.0% of mass 198	2.4
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	77.9
443	15.0 - 24.0% of mass 442	16.3 (20.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2112407-4TFACTOR-B	WG2112407-4	DEG0909	09/09/25 08:28
WG2112407-5TFACTOR-P	WG2112407-5	DEG0909	09/09/25 08:28
WG2112407-3CCAL	WG2112407-3	CCV0909A	09/09/25 09:20
WG2111387-2LCS	WG2111387-2	111387-2	09/09/25 18:09
WG2111387-3LCSD	WG2111387-3	111387-3	09/09/25 18:25
WG2111387-1BLANK	WG2111387-1	111387-1	09/09/25 18:42
MW-8S	L2555605-01	55605-01	09/09/25 18:59
MW-5D	L2555605-03	55605-03	09/09/25 19:33



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV125	Analysis Date : 09/09/25 20:58
Tune Standard : WG2112655-1	Tune File ID : deg0909n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	60.9
68	Less than 2.0% of mass 69	0.9 (2)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	58.4
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	22.4
365	Greater than 1.0% of mass 198	2.4
441	Present, but less than 24% of mass 442	18.6
442	Base Peak, or >50% of mass 198	72.7
443	15.0 - 24.0% of mass 442	14.7 (20.2)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2112655-4TFACTOR-B	WG2112655-4	DEG0909N	09/09/25 20:58
WG2112655-5TFACTOR-P	WG2112655-5	DEG0909N	09/09/25 20:58
WG2112655-3CCAL	WG2112655-3	CCV0909N	09/09/25 21:15
PZ-5	L2555605-04	55605-04	09/09/25 21:49
MW-12D	L2555605-05	55605-05	09/09/25 22:06
MW-12S	L2555605-06	55605-06	09/09/25 22:23
MW-4S	L2555605-07	55605-07	09/09/25 22:39
MW-4D2	L2555605-08	55605-08	09/09/25 22:56
MW-8D	L2555605-02	55605-02	09/09/25 23:13
WG2111387-4MS	WG2111387-4	111387-4	09/09/25 23:30
WG2111387-5MSD	WG2111387-5	111387-5	09/09/25 23:47



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Sample No : WG2112407-3

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Analysis Date : 09/09/25 09:20:00
 Lab File ID : CCV0909A

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2112407-3	260656	2.30	1017753	2.96	571416	3.93
Upper Limit	521312	2.80	2035506	3.46	1142832	4.43
Lower Limit	130328	1.80	508877	2.46	285708	3.43
Sample ID						
WG2111387-2 LCS	260537	2.32	1018780	2.97	585459	3.94
WG2111387-3 LCSD	264481	2.32	1064957	2.97	614179	3.94
WG2111387-1 BLANK	251824	2.31	991811	2.97	572430	3.94
MW-8S	289334	2.31	1130545	2.97	648309	3.94
MW-5D	306697	2.31	1209095	2.97	683485	3.94

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Sample No : WG2112407-3

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Analysis Date : 09/09/25 09:20:00
 Lab File ID : CCV0909A

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2112407-3	1115101	4.77	952809	6.38	923411	7.46
Upper Limit	2230202	5.27	1905618	6.88	1846822	7.96
Lower Limit	557551	4.27	476405	5.88	461706	6.96
Sample ID						
WG2111387-2 LCS	1126891	4.77	945767	6.31	909099	7.38
WG2111387-3 LCSD	1183235	4.77	956820	6.31	886576	7.39
WG2111387-1 BLANK	1118707	4.77	978085	6.31	899545	7.39
MW-8S	1253968	4.77	997534	6.31	892673	7.39
MW-5D	1305811	4.77	1027210	6.31	911286	7.38

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Sample No : WG2112655-3

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Analysis Date : 09/09/25 21:15:00
 Lab File ID : CCV0909N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2112655-3	283010	2.32	1111417	2.97	629089	3.94
Upper Limit	566020	2.82	2222834	3.47	1258178	4.44
Lower Limit	141505	1.82	555709	2.47	314545	3.44
Sample ID						
PZ-5	287091	2.31	1123159	2.97	643434	3.94
MW-12D	270220	2.31	1066268	2.97	613474	3.94
MW-12S	266468	2.31	1040028	2.97	595452	3.94
MW-4S	265488	2.31	1035790	2.97	592495	3.94
MW-4D2	266125	2.31	1037720	2.97	597447	3.94
MW-8D	268548	2.31	1048434	2.97	598773	3.94
MW-8D MS	297045	2.31	1185757	2.97	673703	3.94
MW-8D MSD	285892	2.31	1137509	2.97	651406	3.94

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Sample No : WG2112655-3

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Analysis Date : 09/09/25 21:15:00
 Lab File ID : CCV0909N

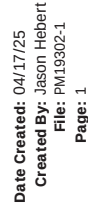
	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2112655-3	1261937	4.77	1059001	6.31	1011246	7.38
Upper Limit	2523874	5.27	2118002	6.81	2022492	7.88
Lower Limit	630969	4.27	529501	5.81	505623	6.88
Sample ID						
PZ-5	1268096	4.77	1046139	6.31	953585	7.38
MW-12D	1227536	4.77	1058334	6.31	994375	7.38
MW-12S	1197963	4.77	1030749	6.31	972105	7.38
MW-4S	1179889	4.77	1002073	6.31	936773	7.38
MW-4D2	1196321	4.77	1027839	6.31	965361	7.37
MW-8D	1202982	4.77	1029701	6.31	959959	7.38
MW-8D MS	1300626	4.77	1045661	6.31	1004447	7.38
MW-8D MSD	1265393	4.77	1031204	6.31	990817	7.38

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





Holding Time: 7 days
Container /Sample Preservation: 2 - Amber 100ml unpreserved

Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA

Semivolatile Sample Data

Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-01 Client ID : MW-8S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 55605-01 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 09:38 Date Received : 09/04/25 Date Analyzed : 09/09/25 18:59 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : RP Instrument ID : SV125 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
---	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 18:59
Sample Matrix	: WATER	Date Extracted	: 09/06/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55605-01	Analyst	: RP
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-02 Client ID : MW-8D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 55605-02 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 08:45 Date Received : 09/04/25 Date Analyzed : 09/09/25 23:13 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : DV Instrument ID : SV125 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
---	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555605
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Lab ID : L2555605-02	Date Collected : 09/04/25 08:45
Client ID : MW-8D	Date Received : 09/04/25
Sample Location : 416 MILLER PLACE-YAPHANK RD.	Date Analyzed : 09/09/25 23:13
Sample Matrix : WATER	Date Extracted : 09/06/25
Analytical Method : 1,8270E-SIM	Dilution Factor : 1
Lab File ID : 55605-02	Analyst : DV
Sample Amount : 100 ml	Instrument ID : SV125
Extraction Method : EPA 3510C	GC Column : RXI-5SiIM
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-03 Client ID : MW-5D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 55605-03 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 10:50 Date Received : 09/04/25 Date Analyzed : 09/09/25 19:33 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : DV Instrument ID : SV125 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
---	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:33
Sample Matrix	: WATER	Date Extracted	: 09/06/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55605-03	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-04 Client ID : PZ-5 Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 55605-04 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 11:00 Date Received : 09/04/25 Date Analyzed : 09/09/25 21:49 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : DV Instrument ID : SV125 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
--	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 21:49
Sample Matrix	: WATER	Date Extracted	: 09/06/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55605-04	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-05 Client ID : MW-12D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 55605-05 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 12:12 Date Received : 09/04/25 Date Analyzed : 09/09/25 22:06 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : DV Instrument ID : SV125 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 22:06
Sample Matrix	: WATER	Date Extracted	: 09/06/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55605-05	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-06 Client ID : MW-12S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 55605-06 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 12:15 Date Received : 09/04/25 Date Analyzed : 09/09/25 22:23 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : DV Instrument ID : SV125 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
--	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 22:23
Sample Matrix	: WATER	Date Extracted	: 09/06/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55605-06	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555605-07
 Client ID : MW-4S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E-SIM
 Lab File ID : 55605-07
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 13:30
 Date Received : 09/04/25
 Date Analyzed : 09/09/25 22:39
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV125
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 22:39
Sample Matrix	: WATER	Date Extracted	: 09/06/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55605-07	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555605-08 Client ID : MW-4D2 Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 55605-08 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555605 Project Number : 2232.0006Y005 Date Collected : 09/04/25 13:40 Date Received : 09/04/25 Date Analyzed : 09/09/25 22:56 Date Extracted : 09/06/25 Dilution Factor : 1 Analyst : DV Instrument ID : SV125 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
--	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	0.02	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 22:56
Sample Matrix	: WATER	Date Extracted	: 09/06/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55605-08	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111387-1
 Client ID : WG2111387-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E-SIM
 Lab File ID : 111387-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/09/25 18:42
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : RP
 Instrument ID : SV125
 GC Column : RXI-5SiIM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111387-1
 Client ID : WG2111387-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E-SIM
 Lab File ID : 111387-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/09/25 18:42
 Date Extracted : 09/06/25
 Dilution Factor : 1
 Analyst : RP
 Instrument ID : SV125
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 55605-01.D
 Acq On : 09 Sep 2025 06:59 pm
 Operator : SV125:rp
 Sample : L2555605-01,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 10 12:47:59 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909RVT\ccv0909a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	289334	4000.000	ng/ml	0.01
Standard Area 1 = 260656			Recovery	=	111.00%	
9) Naphthalene-d8	2.970	136	1130545	4000.000	ng/ml	0.00
Standard Area 1 = 1017753			Recovery	=	111.08%	
18) Acenaphthene-d10	3.939	164	648309	4000.000	ng/ml	0.00
Standard Area 1 = 571416			Recovery	=	113.46%	
23) Phenanthrene-d10	4.773	188	1253968	4000.000	ng/ml	0.00
Standard Area 1 = 1115101			Recovery	=	112.45%	
33) Chrysene-d12	6.313	240	997534M4	4000.000	ng/ml	-0.07
Standard Area 1 = 952809			Recovery	=	104.69%	
38) Perylene-d12	7.386	264	892673	4000.000	ng/ml	-0.08
Standard Area 1 = 923411			Recovery	=	96.67%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	60759	850.401	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	42.52%	
4) Phenol-d6	2.138	99	55687	630.886	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	31.54%	
8) Nitrobenzene-d5	2.593	82	49249	698.707	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	69.87%	
14) 2-Fluorobiphenyl	3.569	172	144017	624.206	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	62.42%	
22) 2,4,6-Tribromophenol	4.382	330	32285	1339.456	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	66.97%	
32) 4-Terphenyl-d14	5.693	244	180691	719.020	ng/ml	-0.03
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	71.90%	
Target Compounds						
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	Qvalue
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.		
17) Acenaphthylene	0.000		0	N.D.		
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 55605-01.D
 Acq On : 09 Sep 2025 06:59 pm
 Operator : SV125:rp
 Sample : L2555605-01,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 10 12:47:59 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909RVT\ccv0909a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

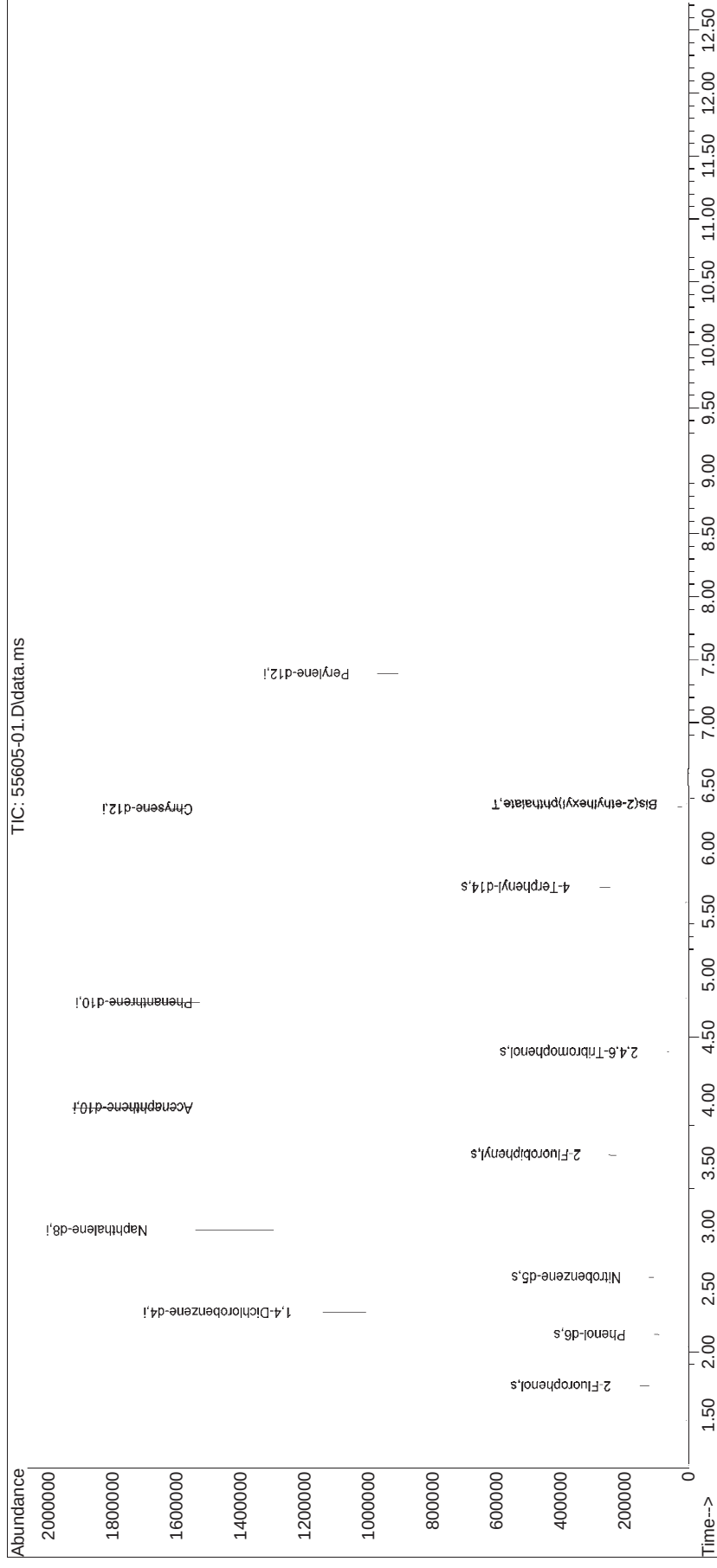
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 55605-01.D
 Acq On : 09 Sep 2025 06:59 pm
 Operator : SV125:rp
 Sample : L2555605-01,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 10 12:47:59 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

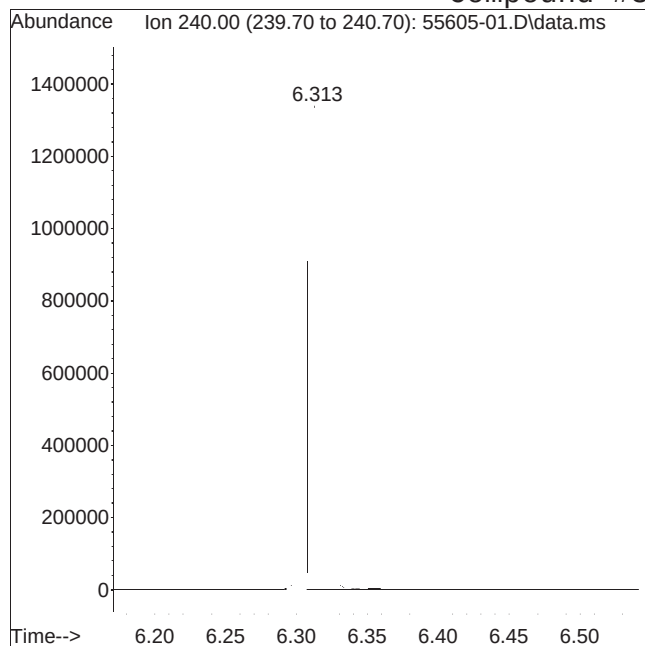
Sub List : DEFAULT - All compounds listed\ccv0909a.D•



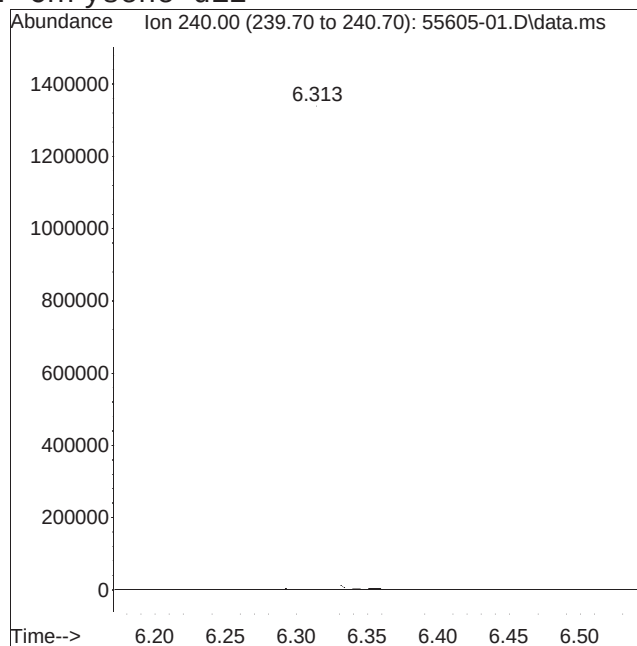
Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 55605-01.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:59 pm Instrument : SV125
Sample : L2555605-01,32,,dv Quant Date : 9/9/2025 7:16 pm

Compound #33: Chrysene-d12



Original Peak Response = 728455



Manual Peak Response = 997534 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 55605-03.D
 Acq On : 09 Sep 2025 07:33 pm
 Operator : SV125:dv
 Sample : L2555605-03,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 10 20:54:05 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909RVT\ccv0909a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	306697	4000.000	ng/ml	0.01
Standard Area 1 = 260656			Recovery	=	117.66%	
9) Naphthalene-d8	2.971	136	1209095	4000.000	ng/ml	0.00
Standard Area 1 = 1017753			Recovery	=	118.80%	
18) Acenaphthene-d10	3.940	164	683485	4000.000	ng/ml	0.00
Standard Area 1 = 571416			Recovery	=	119.61%	
23) Phenanthrene-d10	4.771	188	1305811	4000.000	ng/ml	0.00
Standard Area 1 = 1115101			Recovery	=	117.10%	
33) Chrysene-d12	6.311	240	1027210M4	4000.000	ng/ml	-0.07
Standard Area 1 = 952809			Recovery	=	107.81%	
38) Perylene-d12	7.383	264	911286	4000.000	ng/ml	-0.08
Standard Area 1 = 923411			Recovery	=	98.69%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	73293	967.756	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	48.39%	
4) Phenol-d6	2.139	99	67121	717.374	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	35.87%	
8) Nitrobenzene-d5	2.594	82	55343	740.714	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	74.07%	
14) 2-Fluorobiphenyl	3.567	172	157143	636.850	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	63.69%	
22) 2,4,6-Tribromophenol	4.382	330	38108	1499.674	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	74.98%	
32) 4-Terphenyl-d14	5.691	244	187257	715.564	ng/ml	-0.03
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	71.56%	
Target Compounds						
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	Qvalue
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 55605-03.D
 Acq On : 09 Sep 2025 07:33 pm
 Operator : SV125:dv
 Sample : L2555605-03,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 10 20:54:05 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909RVT\ccv0909a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

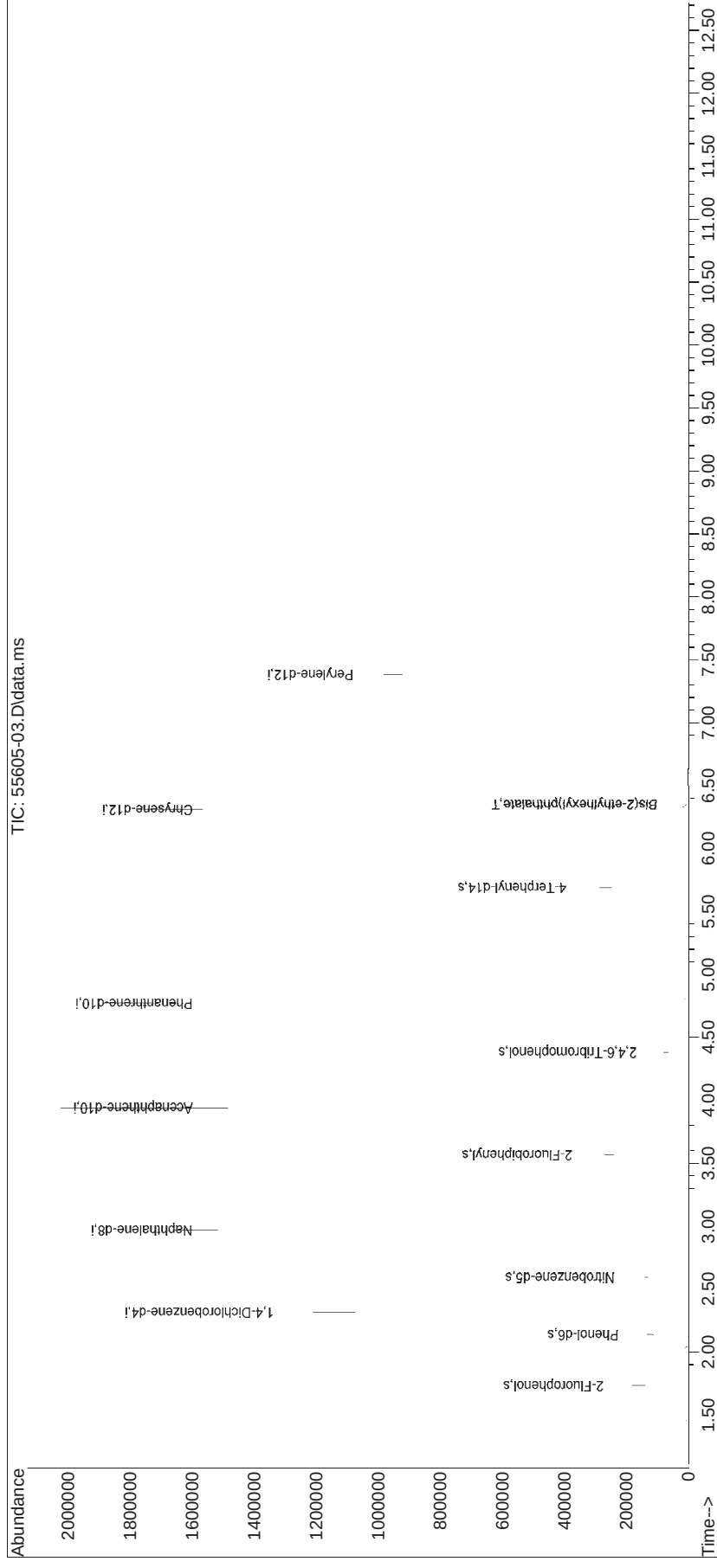
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 55605-03.D
 Acq On : 09 Sep 2025 07:33 pm
 Operator : SV125:dv
 Sample : L2555605-03,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 10 20:54:05 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

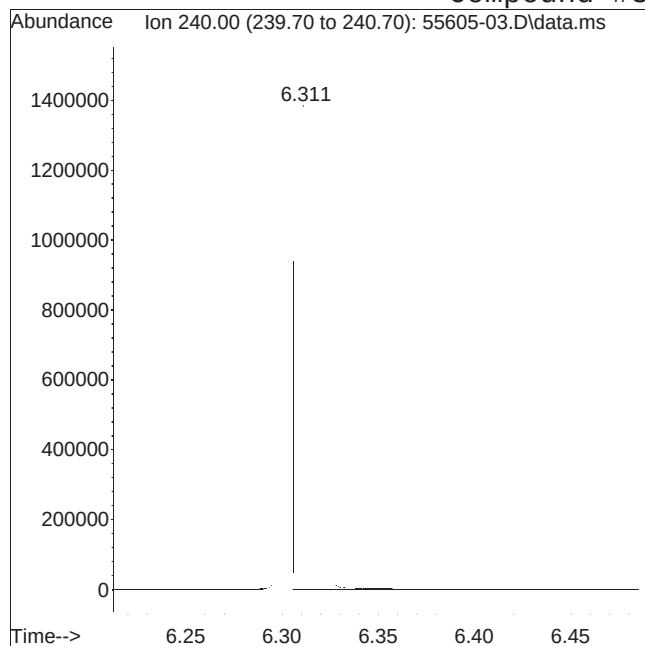
Sub List : DEFAULT - All compounds listed\ccv0909a.D•



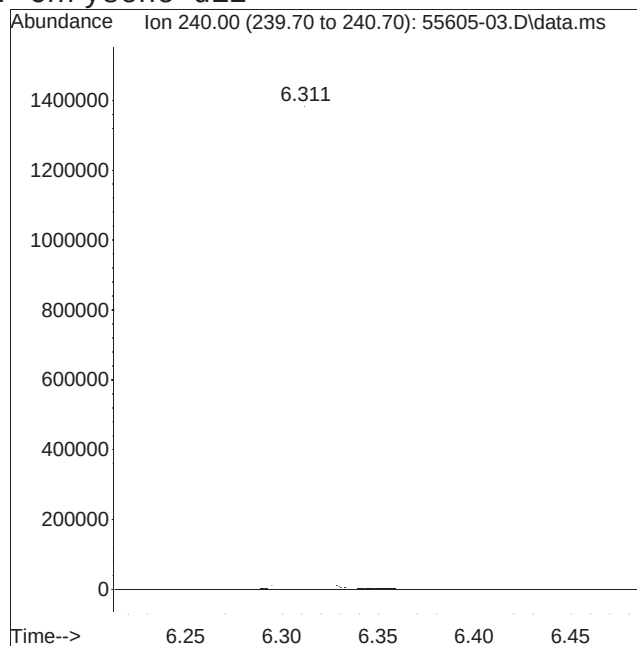
Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 55605-03.D Operator : SV125:dv
Date Inj'd : 9/9/2025 7:33 pm Instrument : SV125
Sample : L2555605-03,32,,dv Quant Date : 9/9/2025 7:49 pm

Compound #33: Chrysene-d12



Original Peak Response = 752159



Manual Peak Response = 1027210 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-04.D
 Acq On : 09 Sep 2025 09:49 pm
 Operator : SV125:dv
 Sample : L2555605-04,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 19:31:43 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	287091	4000.000	ng/ml	0.00
Standard Area 1 = 283010			Recovery	=	101.44%	
9) Naphthalene-d8	2.970	136	1123159	4000.000	ng/ml	0.00
Standard Area 1 = 1111417			Recovery	=	101.06%	
18) Acenaphthene-d10	3.938	164	643434	4000.000	ng/ml	0.00
Standard Area 1 = 629089			Recovery	=	102.28%	
23) Phenanthrene-d10	4.769	188	1268096	4000.000	ng/ml	0.00
Standard Area 1 = 1261937			Recovery	=	100.49%	
33) Chrysene-d12	6.307	240	1046139	4000.000	ng/ml	0.00
Standard Area 1 = 1059001			Recovery	=	98.79%	
38) Perylene-d12	7.378	264	953585	4000.000	ng/ml	0.00
Standard Area 1 = 1011246			Recovery	=	94.30%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	53945	760.929	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	38.05%	
4) Phenol-d6	2.138	99	45430	518.704	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	25.94%	
8) Nitrobenzene-d5	2.593	82	56588	809.100	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	80.91%	
14) 2-Fluorobiphenyl	3.565	172	172234	751.415	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	75.14%	
22) 2,4,6-Tribromophenol	4.378	330	36388	1521.121	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	76.06%	
32) 4-Terphenyl-d14	5.689	244	228120	897.639	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	89.76%	
Target Compounds						
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	Qvalue
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-04.D
 Acq On : 09 Sep 2025 09:49 pm
 Operator : SV125:dv
 Sample : L2555605-04,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 19:31:43 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	4.781	178	1120M6	3.092	ng/ml	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

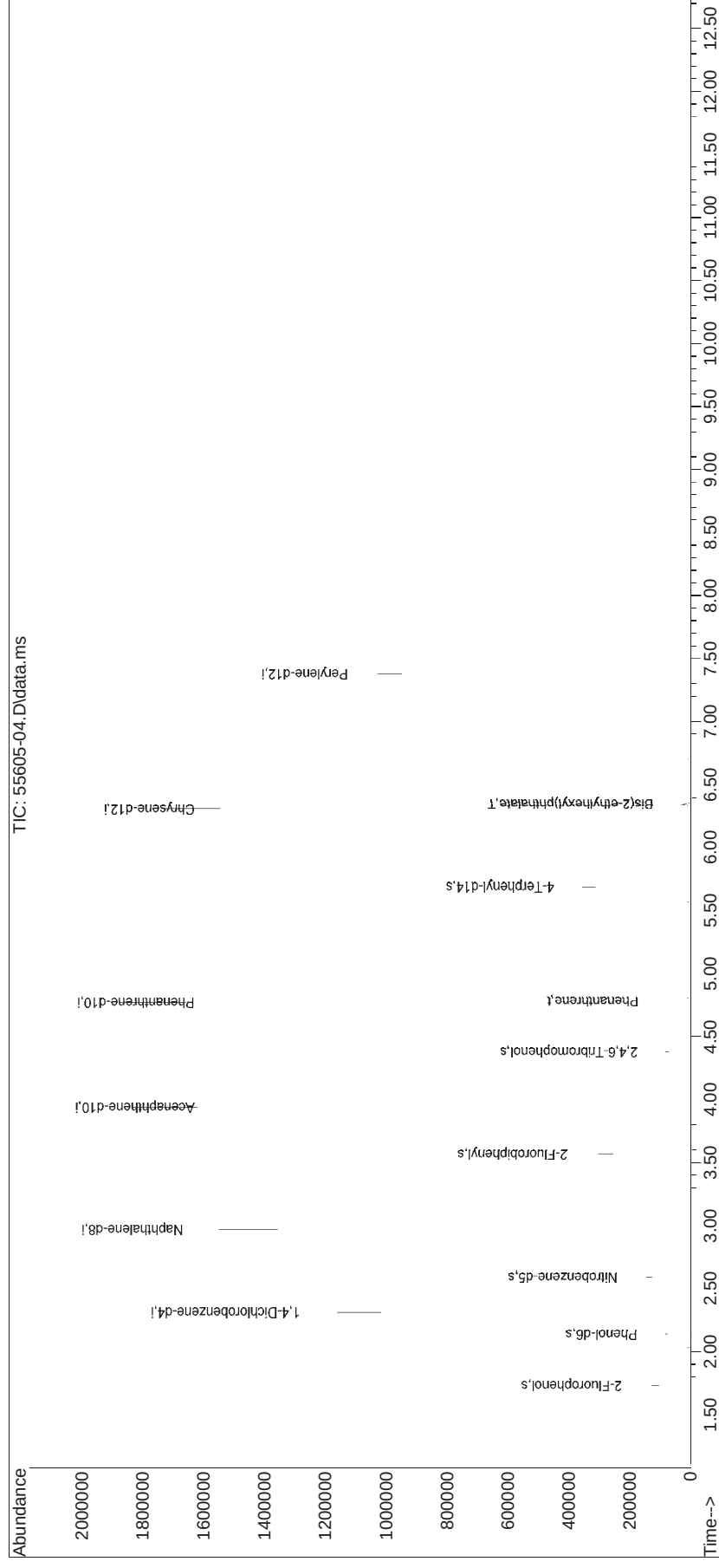
(#) = qualifier out of range (m) = manual integration (+) = signals summed

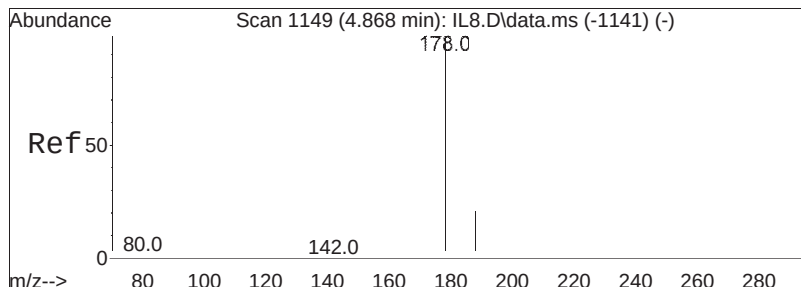
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-04.D
 Acq On : 09 Sep 2025 09:49 pm
 Operator : SV125:dv
 Sample : L2555605-04,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 19:31:43 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

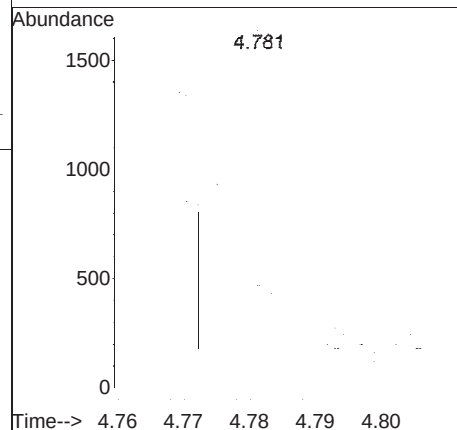
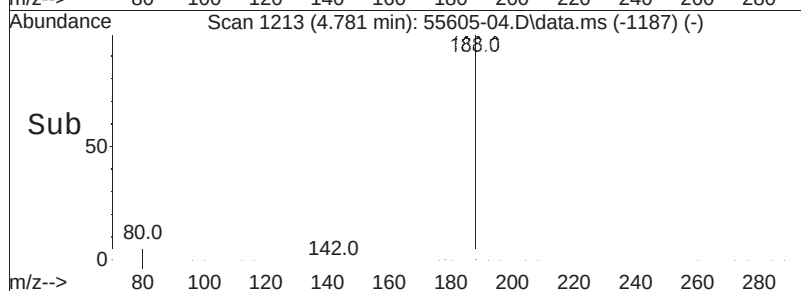
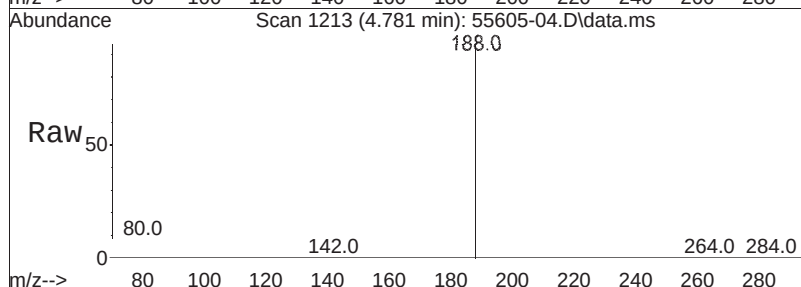
Sub List : DEFAULT - All compounds listedT\ccv0909n.D•





#27
 Phenanthrene
 Concen: 3.09 ng/ml M6
 RT: 4.781 min Scan# 1213
 Delta R.T. -0.004 min
 Lab File: 55605-04.D
 Acq: 09 Sep 2025 09:49 pm

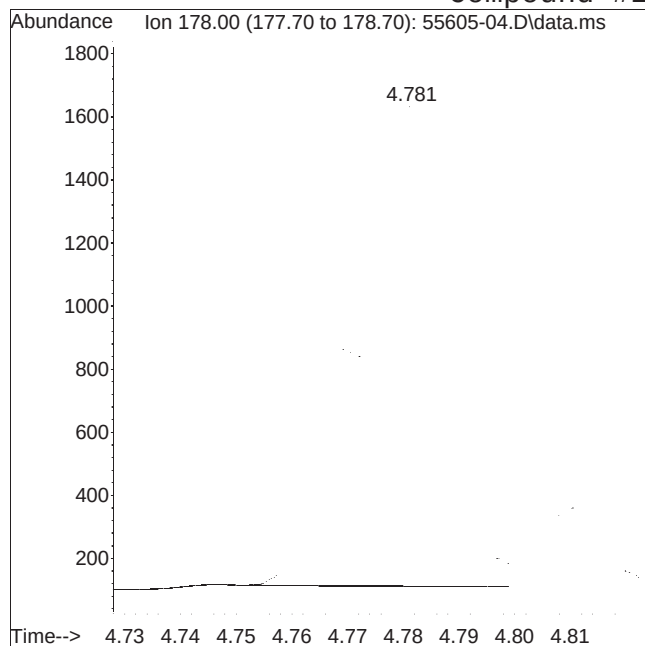
Tgt Ion:178 Resp: 1120
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.5 18.7



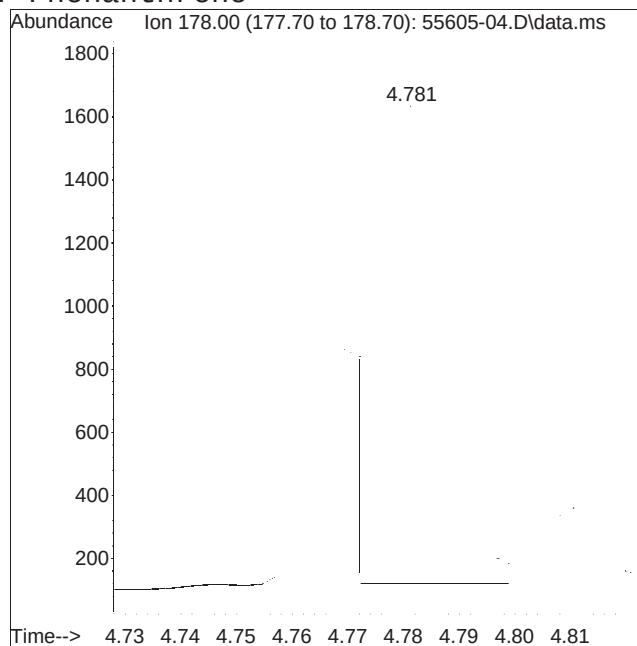
Manual Integration Report

Data Path : I:\8270SIM\SV125\250909nRV
Data File : 55605-04.D Operator : SV125:dv
Date Inj'd : 9/9/2025 9:49 pm Instrument : SV125
Sample : L2555605-04,32,,dv Quant Date : 9/9/2025 10:05 pm

Compound #27: Phenanthrene



Original Peak Response = 1599



Manual Peak Response = 1120 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-05.D
 Acq On : 09 Sep 2025 10:06 pm
 Operator : SV125:dv
 Sample : L2555605-05,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 19:36:25 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	270220	4000.000	ng/ml	0.00
Standard Area 1 = 283010			Recovery = 95.48%			
9) Naphthalene-d8	2.968	136	1066268	4000.000	ng/ml	0.00
Standard Area 1 = 1111417			Recovery = 95.94%			
18) Acenaphthene-d10	3.936	164	613474	4000.000	ng/ml	0.00
Standard Area 1 = 629089			Recovery = 97.52%			
23) Phenanthrene-d10	4.768	188	1227536	4000.000	ng/ml	0.00
Standard Area 1 = 1261937			Recovery = 97.27%			
33) Chrysene-d12	6.306	240	1058334	4000.000	ng/ml	0.00
Standard Area 1 = 1059001			Recovery = 99.94%			
38) Perylene-d12	7.376	264	994375	4000.000	ng/ml	0.00
Standard Area 1 = 1011246			Recovery = 98.33%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	63418	950.403	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.52%			
4) Phenol-d6	2.136	99	58776	712.983	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.65%			
8) Nitrobenzene-d5	2.594	82	51443	781.459	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.15%			
14) 2-Fluorobiphenyl	3.567	172	148052	680.378	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 68.04%			
22) 2,4,6-Tribromophenol	4.379	330	29064	1274.292	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 63.71%			
32) 4-Terphenyl-d14	5.688	244	177231	720.437	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.04%			
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0		N.D.	
7) Hexachloroethane	0.000		0		N.D.	
10) Naphthalene	0.000		0		N.D.	d
11) Hexachlorobutadiene	0.000		0		N.D.	
12) 2-Methylnaphthalene	0.000		0		N.D.	d
15) 2-Chloronaphthalene	0.000		0		N.D.	
17) Acenaphthylene	0.000		0		N.D.	
19) Acenaphthene	0.000		0		N.D.	d
21) Fluorene	0.000		0		N.D.	d
25) Hexachlorobenzene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-05.D
 Acq On : 09 Sep 2025 10:06 pm
 Operator : SV125:dv
 Sample : L2555605-05,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 19:36:25 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	0.000		0	N.D.	d	
27)	Phenanthrene	0.000		0	N.D.	d	
28)	Anthracene	0.000		0	N.D.	d	
29)	Fluoranthene	0.000		0	N.D.	d	
30)	Pyrene	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	0.000		0	N.D.	d	
36)	Chrysene	0.000		0	N.D.	d	
39)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
40)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
41)	Benzo[a]pyrene	0.000		0	N.D.	d	
42)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43)	Dibenzo[a,h]anthracene	0.000		0	N.D.		
44)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

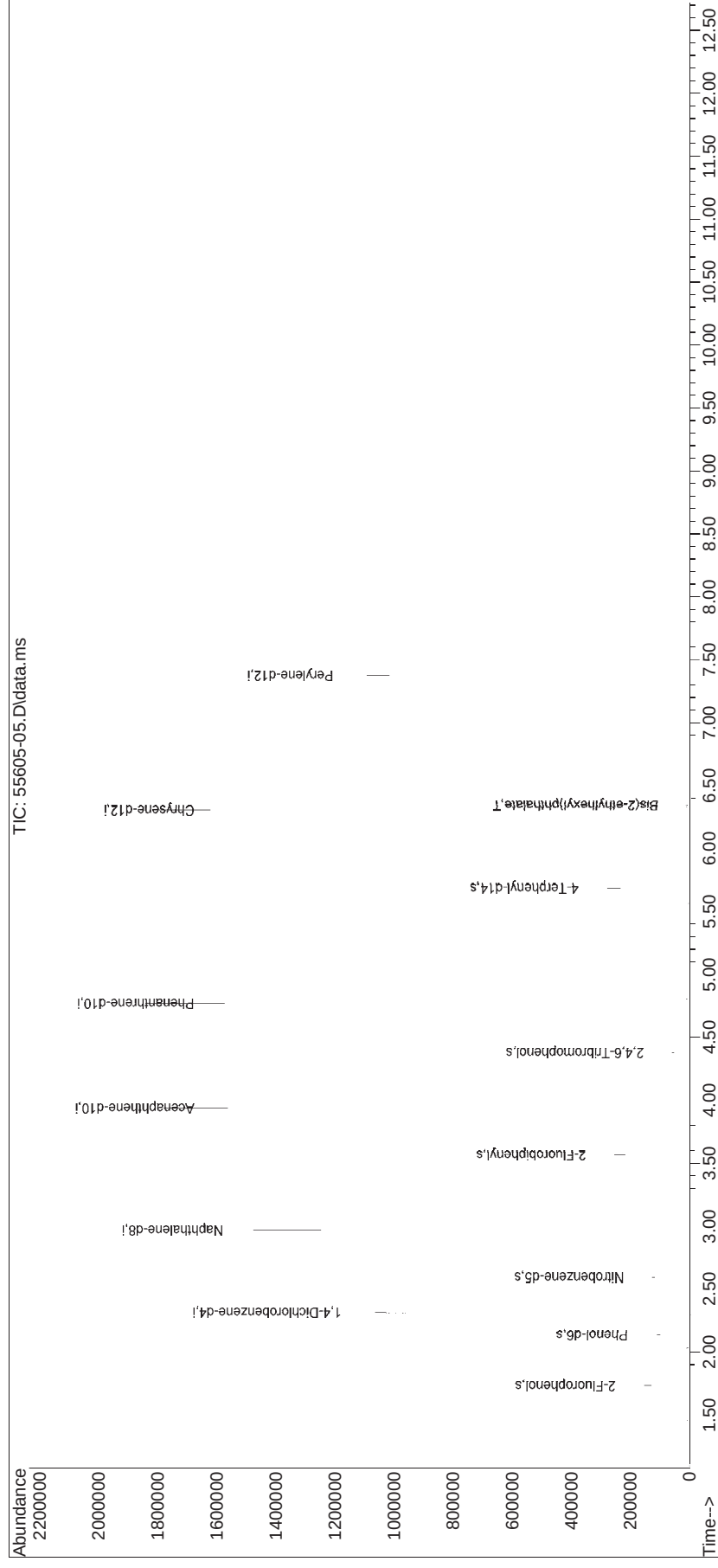
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-05.D
 Acq On : 09 Sep 2025 10:06 pm
 Operator : SV125:dv
 Sample : L2555605-05,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 19:36:25 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0909n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250909nRVT\		
Data File	: 55605-05.D	Operator	: SV125:dv
Date Inj'd	: 9/9/2025 10:06 pm	Instrument	: SV125
Sample	: L2555605-05,32,,dv	Quant Date	: 9/9/2025 10:22 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-06.D
 Acq On : 09 Sep 2025 10:23 pm
 Operator : SV125:dv
 Sample : L2555605-06,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 19:37:06 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	266468	4000.000	ng/ml	0.00
Standard Area 1 = 283010			Recovery = 94.15%			
9) Naphthalene-d8	2.968	136	1040028	4000.000	ng/ml	0.00
Standard Area 1 = 1111417			Recovery = 93.58%			
18) Acenaphthene-d10	3.936	164	595452	4000.000	ng/ml	0.00
Standard Area 1 = 629089			Recovery = 94.65%			
23) Phenanthrene-d10	4.770	188	1197963	4000.000	ng/ml	0.00
Standard Area 1 = 1261937			Recovery = 94.93%			
33) Chrysene-d12	6.306	240	1030749	4000.000	ng/ml	0.00
Standard Area 1 = 1059001			Recovery = 97.33%			
38) Perylene-d12	7.377	264	972105	4000.000	ng/ml	0.00
Standard Area 1 = 1011246			Recovery = 96.13%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	70319	1068.662	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.43%			
4) Phenol-d6	2.136	99	64297	790.938	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.55%			
8) Nitrobenzene-d5	2.593	82	51703	796.468	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.65%			
14) 2-Fluorobiphenyl	3.566	172	148168	698.090	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.81%			
22) 2,4,6-Tribromophenol	4.379	330	33198	1499.598	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 74.98%			
32) 4-Terphenyl-d14	5.687	244	180826	753.196	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.32%			
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.		
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-06.D
 Acq On : 09 Sep 2025 10:23 pm
 Operator : SV125:dv
 Sample : L2555605-06,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 19:37:06 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

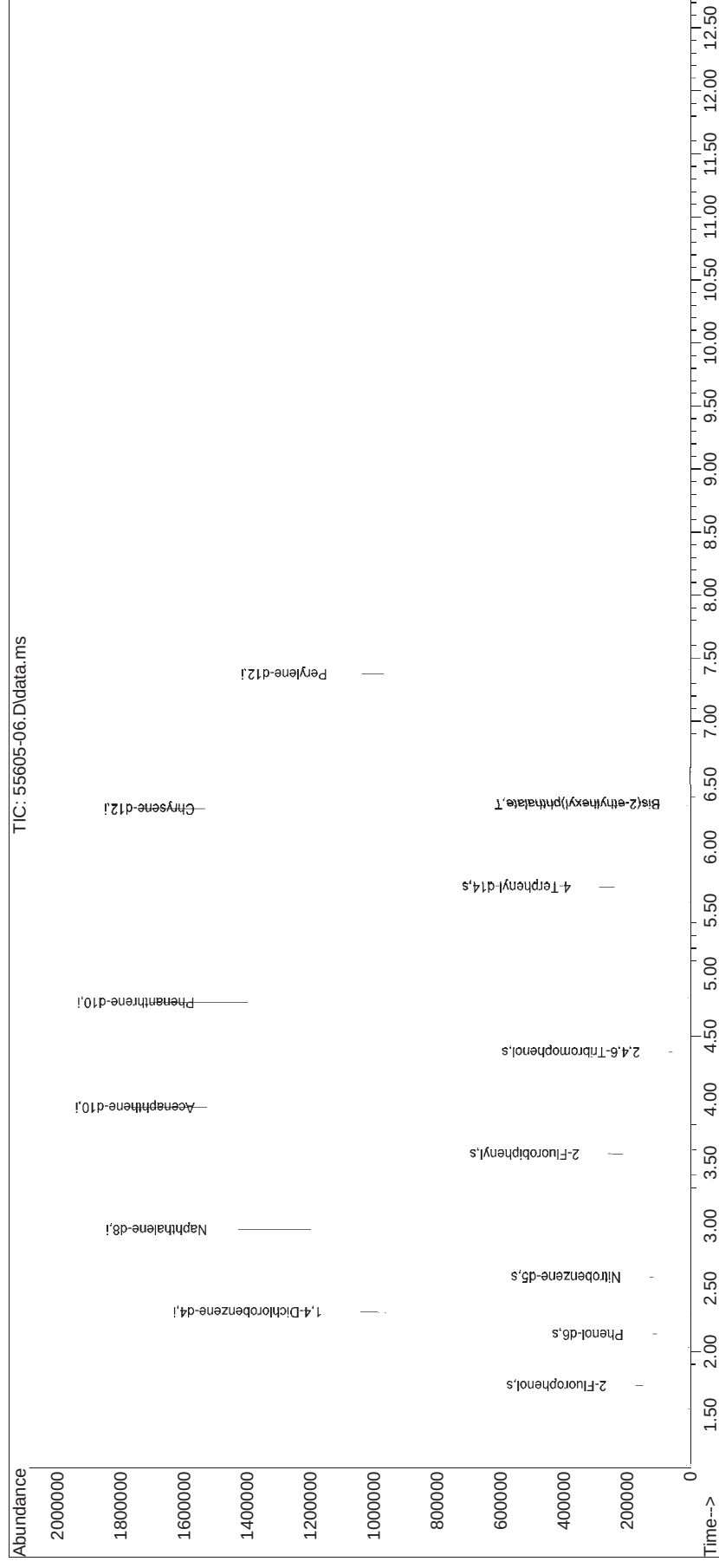
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-06.D
 Acq On : 09 Sep 2025 10:23 pm
 Operator : SV125:dv
 Sample : L2555605-06,32,,dv
 Misc : wg2112655,wg2111387,ical22616
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 19:37:06 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0909n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250909nRVT\		
Data File	: 55605-06.D	Operator	: SV125:dv
Date Inj'd	: 9/9/2025 10:23 pm	Instrument	: SV125
Sample	: L2555605-06,32,,dv	Quant Date	: 9/9/2025 10:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-07.D
 Acq On : 09 Sep 2025 10:39 pm
 Operator : SV125:dv
 Sample : L2555605-07,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:37:54 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	265488	4000.000	ng/ml	0.00
Standard Area 1 = 283010			Recovery = 93.81%			
9) Naphthalene-d8	2.970	136	1035790	4000.000	ng/ml	0.00
Standard Area 1 = 1111417			Recovery = 93.20%			
18) Acenaphthene-d10	3.936	164	592495	4000.000	ng/ml	0.00
Standard Area 1 = 629089			Recovery = 94.18%			
23) Phenanthrene-d10	4.770	188	1179889	4000.000	ng/ml	0.00
Standard Area 1 = 1261937			Recovery = 93.50%			
33) Chrysene-d12	6.305	240	1002073	4000.000	ng/ml	0.00
Standard Area 1 = 1059001			Recovery = 94.62%			
38) Perylene-d12	7.375	264	936773	4000.000	ng/ml	0.00
Standard Area 1 = 1011246			Recovery = 92.64%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	56878	867.585	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 43.38%			
4) Phenol-d6	2.136	99	54950	678.452	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 33.92%			
8) Nitrobenzene-d5	2.594	82	50066	774.097	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.41%			
14) 2-Fluorobiphenyl	3.566	172	148175	700.980	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 70.10%			
22) 2,4,6-Tribromophenol	4.379	330	26231	1190.803	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 59.54%			
32) 4-Terphenyl-d14	5.687	244	182038	769.860	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 76.99%			
Target Compounds						
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	Qvalue
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.		
17) Acenaphthylene	0.000		0	N.D.		
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-07.D
 Acq On : 09 Sep 2025 10:39 pm
 Operator : SV125:dv
 Sample : L2555605-07,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:37:54 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

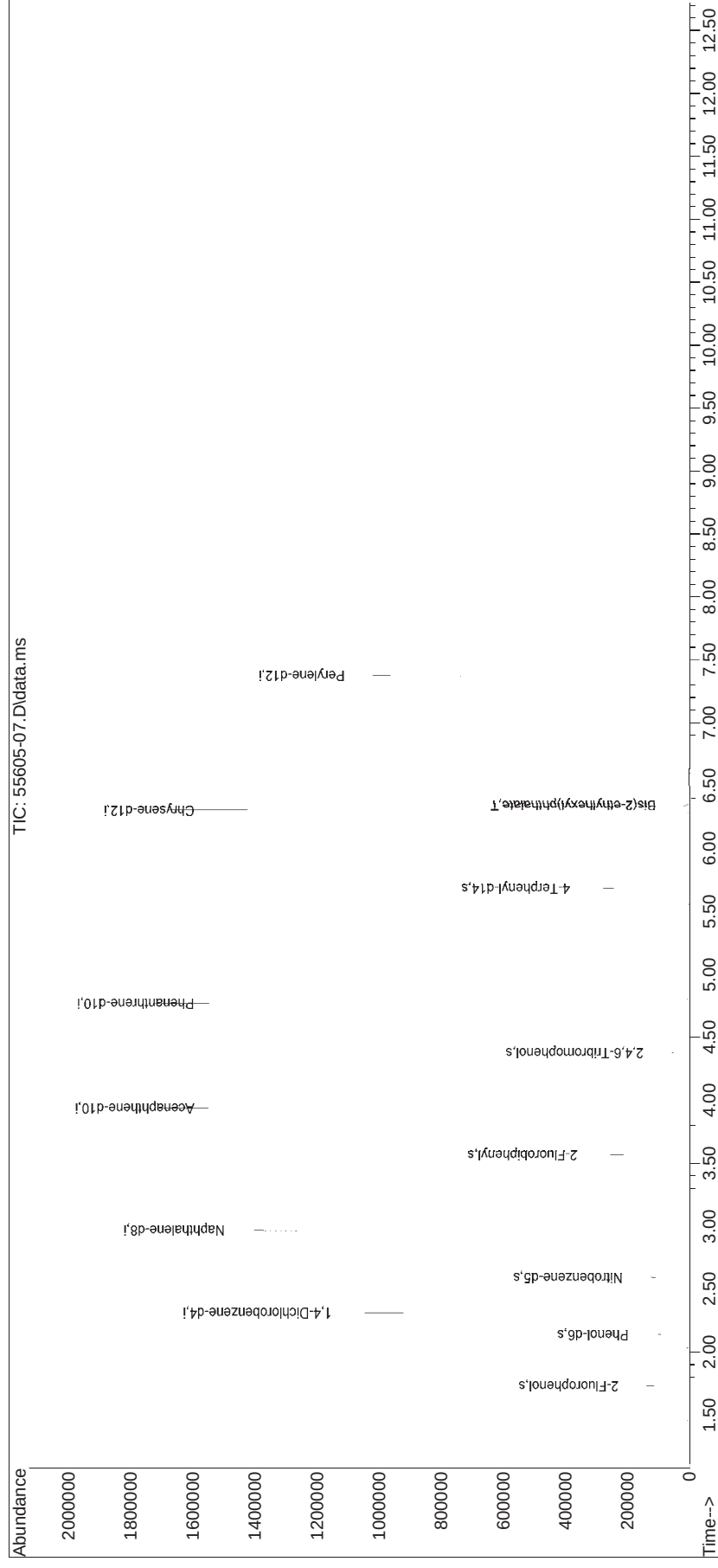
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-07.D
 Acq On : 09 Sep 2025 10:39 pm
 Operator : SV125:dv
 Sample : L2555605-07,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:37:54 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0909n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250909nRVT\		
Data File	: 55605-07.D	Operator	: SV125:dv
Date Inj'd	: 9/9/2025 10:39 pm	Instrument	: SV125
Sample	: L2555605-07,32,,dv	Quant Date	: 9/9/2025 10:56 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-08.D
 Acq On : 09 Sep 2025 10:56 pm
 Operator : SV125:dv
 Sample : L2555605-08,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 19:39:30 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.312	152	266125	4000.000	ng/ml	0.00
Standard Area 1 = 283010			Recovery =	94.03%		
9) Naphthalene-d8	2.969	136	1037720	4000.000	ng/ml	0.00
Standard Area 1 = 1111417			Recovery =	93.37%		
18) Acenaphthene-d10	3.937	164	597447	4000.000	ng/ml	0.00
Standard Area 1 = 629089			Recovery =	94.97%		
23) Phenanthrene-d10	4.768	188	1196321	4000.000	ng/ml	0.00
Standard Area 1 = 1261937			Recovery =	94.80%		
33) Chrysene-d12	6.306	240	1027839	4000.000	ng/ml	0.00
Standard Area 1 = 1059001			Recovery =	97.06%		
38) Perylene-d12	7.374	264	965361	4000.000	ng/ml	0.00
Standard Area 1 = 1011246			Recovery =	95.46%		
System Monitoring Compounds						
3) 2-Fluorophenol	1.730	112	72079	1096.821	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	54.84%		
4) Phenol-d6	2.138	99	64988	800.468	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	40.02%		
8) Nitrobenzene-d5	2.593	82	50970	786.188	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	78.62%		
14) 2-Fluorobiphenyl	3.564	172	151476	715.263	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	71.53%		
22) 2,4,6-Tribromophenol	4.377	330	34776	1565.633	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	78.28%		
32) 4-Terphenyl-d14	5.685	244	187715	782.964	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	78.30%		
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.		
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	4.556	284	124	1.909	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
Data File : 55605-08.D
Acq On : 09 Sep 2025 10:56 pm
Operator : SV125:dv
Sample : L2555605-08,32,,dv
Misc : wg2112655,WG2111387,ical22616
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 19:39:30 2025
Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 09 21:50:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	0.000		0	N.D.	d	
27)	Phenanthrene	0.000		0	N.D.	d	
28)	Anthracene	0.000		0	N.D.	d	
29)	Fluoranthene	0.000		0	N.D.	d	
30)	Pyrene	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	0.000		0	N.D.	d	
36)	Chrysene	0.000		0	N.D.	d	
39)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
40)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
41)	Benzo[a]pyrene	0.000		0	N.D.	d	
42)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43)	Dibenzo[a,h]anthracene	0.000		0	N.D.		
44)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

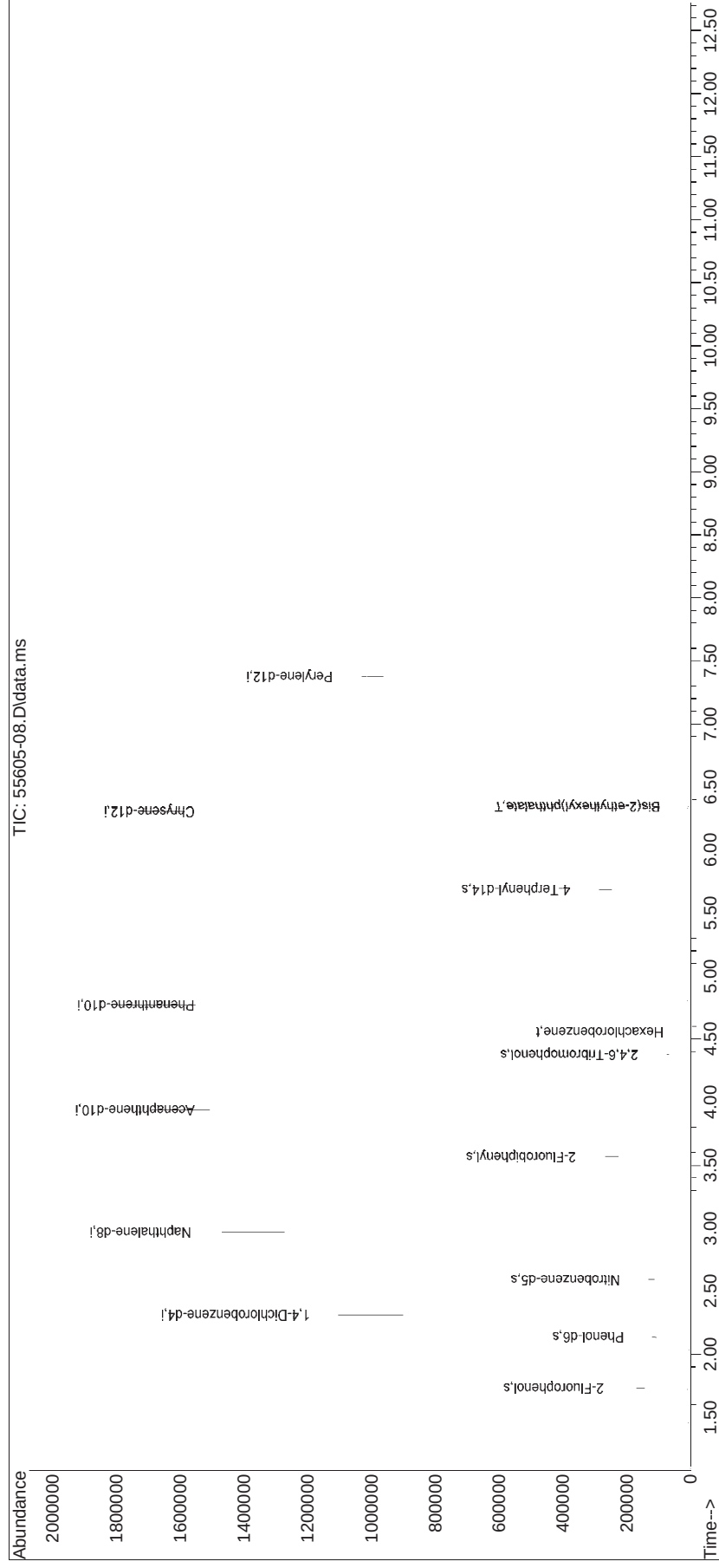
(#) = qualifier out of range (m) = manual integration (+) = signals summed

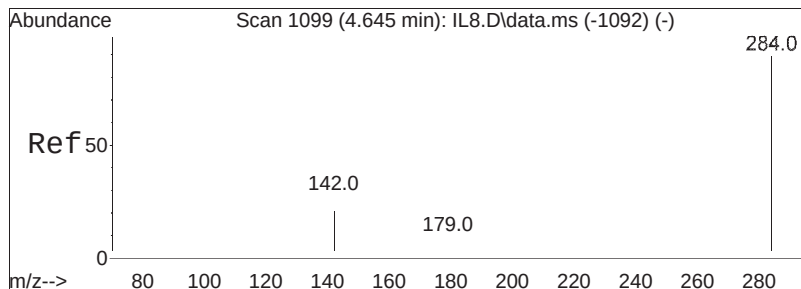
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-08.D
 Acq On : 09 Sep 2025 10:56 pm
 Operator : SV125:dv
 Sample : L2555605-08,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 19:39:30 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

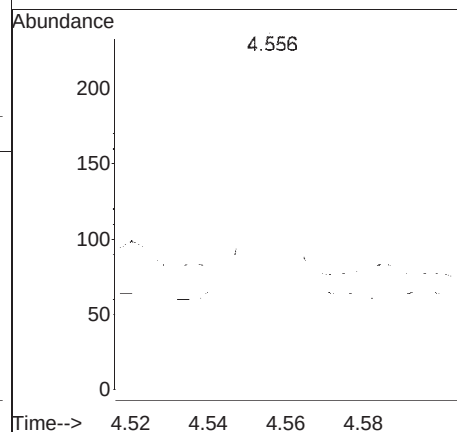
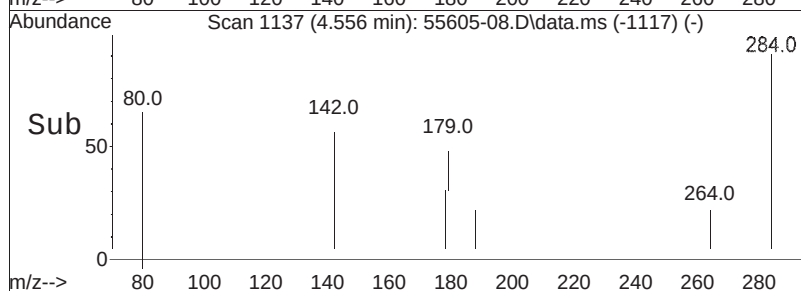
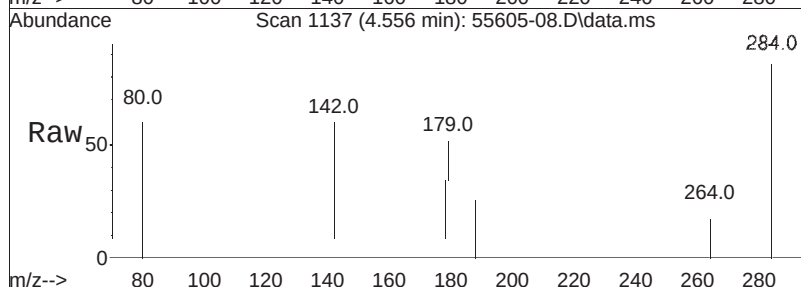
Sub List : DEFAULT - All compounds listedT\ccv0909n.D•





#25
 Hexachlorobenzene
 Concen: 1.91 ng/ml
 RT: 4.556 min Scan# 1137
 Delta R.T. -0.004 min
 Lab File: 55605-08.D
 Acq: 09 Sep 2025 10:56 pm

Tgt Ion: 284 Resp: 124
 Ion Ratio Lower Upper
 284 100
 142 39.5 29.4 44.2



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250909nRVT\		
Data File	: 55605-08.D	Operator	: SV125:dv
Date Inj'd	: 9/9/2025 10:56 pm	Instrument	: SV125
Sample	: L2555605-08,32,,dv	Quant Date	: 9/9/2025 11:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-02.D
 Acq On : 09 Sep 2025 11:13 pm
 Operator : SV125:dv
 Sample : L2555605-02,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 19:30:23 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	268548	4000.000	ng/ml	0.00
Standard Area 1 = 283010			Recovery = 94.89%			
9) Naphthalene-d8	2.967	136	1048434	4000.000	ng/ml	0.00
Standard Area 1 = 1111417			Recovery = 94.33%			
18) Acenaphthene-d10	3.936	164	598773	4000.000	ng/ml	0.00
Standard Area 1 = 629089			Recovery = 95.18%			
23) Phenanthrene-d10	4.770	188	1202982	4000.000	ng/ml	0.00
Standard Area 1 = 1261937			Recovery = 95.33%			
33) Chrysene-d12	6.308	240	1029701	4000.000	ng/ml	0.00
Standard Area 1 = 1059001			Recovery = 97.23%			
38) Perylene-d12	7.376	264	959959	4000.000	ng/ml	0.00
Standard Area 1 = 1011246			Recovery = 94.93%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	66458	1002.162	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.11%			
4) Phenol-d6	2.136	99	60374	736.927	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 36.85%			
8) Nitrobenzene-d5	2.593	82	51149	781.831	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.18%			
14) 2-Fluorobiphenyl	3.566	172	149232	697.466	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.75%			
22) 2,4,6-Tribromophenol	4.378	330	32147	1444.069	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 72.20%			
32) 4-Terphenyl-d14	5.687	244	187094	776.053	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.61%			
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-02.D
 Acq On : 09 Sep 2025 11:13 pm
 Operator : SV125:dv
 Sample : L2555605-02,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 19:30:23 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

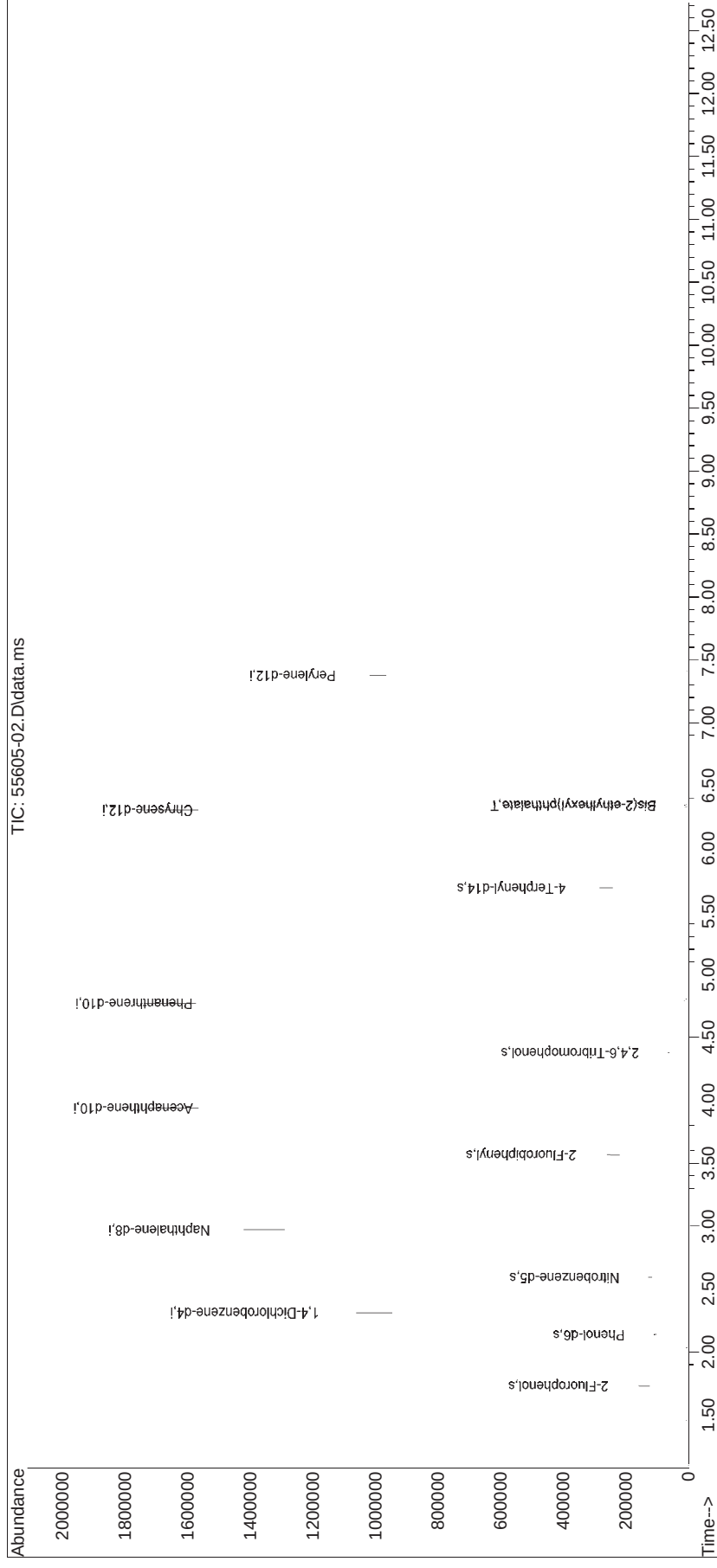
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 55605-02.D
 Acq On : 09 Sep 2025 11:13 pm
 Operator : SV125:dv
 Sample : L2555605-02,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 19:30:23 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0909n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250909nRVT\		
Data File	: 55605-02.D	Operator	: SV125:dv
Date Inj'd	: 9/9/2025 11:13 pm	Instrument	: SV125
Sample	: L2555605-02,32,,dv	Quant Date	: 9/9/2025 11:30 pm

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Calibration dates : 09/08/25 19:01 09/08/25 21:31

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22616

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1) i 1,4-Dichlorobenzene-d4	-----ISTD-----											
2) T N-Nitrosodimethylamine				0.620	0.638	0.645	0.678	0.664	0.665	0.626	0.648	3.34
3) s 2-Fluorophenol	0.942	0.947	0.946	0.957	0.960	0.994	1.053	1.058	1.048	0.971	0.988	4.81
4) s Phenol-d6	1.131	1.054	1.172	1.141	1.217	1.220	1.321	1.309	1.335	1.303	1.220	7.85
5) T bis(2-Chloroethyl)ether			1.100	1.042	1.099	1.071	1.158	1.137	1.122	1.074	1.100	3.46
6) T n-Nitrosodi-n-propylamine			0.719	0.713	0.701	0.694	0.752	0.746	0.768	0.757	0.731	3.80
7) t Hexachloroethane		0.543	0.519	0.504	0.497	0.490	0.506	0.497	0.493	0.469	0.502	4.07
8) s Nitrobenzene-d5	0.810	0.952	0.919	0.908	0.961	0.972	1.059	1.057	1.072	1.035	0.974	8.52
9) i Naphthalene-d8	-----ISTD-----											
10) t Naphthalene		1.240	1.126	1.090	1.045	1.031	1.034	1.008	1.000	0.947	1.058	8.09
11) t Hexachlorobutadiene		0.174	0.183	0.179	0.177	0.177	0.178	0.174	0.172	0.165	0.175	2.82
12) t 2-Methylnaphthalene		0.643	0.618	0.615	0.609	0.606	0.628	0.621	0.620	0.596	0.617	2.19
13) t 1-Methylnaphthalene		0.671	0.685	0.682	0.677	0.670	0.672	0.652	0.645	0.617	0.663	3.29
14) s 2-Fluorobiphenyl	0.813	0.830	0.860	0.863	0.840	0.830	0.831	0.796	0.774	0.726	0.816	5.09
15) t 2-Chloronaphthalene		0.697	0.695	0.698	0.700	0.694	0.702	0.688	0.694	0.667	0.693	1.49
16) t 2,6-Dinitrotoluene					0.103	0.108	0.133	0.135	0.150	0.139	0.128	14.36
17) t Acenaphthylene		1.050	1.060	1.065	1.076	1.078	1.167	1.141	1.146	1.074	1.095	3.97
18) i Acenaphthene-d10	-----ISTD-----											
19) t Acenaphthene		1.283	1.233	1.360	1.304	1.291	1.310	1.264	1.266	1.198	1.279	3.65
20) t 2,4-Dinitrotoluene					0.218	0.233	0.312	0.324	0.354	0.342	*L	0.9990
21) t Fluorene		1.475	1.423	1.424	1.416	1.425	1.502	1.442	1.443	1.338	1.432	3.15
22) s 2,4,6-Tribromophenol			0.111	0.111	0.132	0.145	0.174	0.170	0.177	0.170	0.149	18.69
23) i Phenanthrene-d10	-----ISTD-----											
24) T 4,6-Dinitro-o-cresol					0.038	0.051	0.076	0.083	0.093	0.096	*L	0.9973
25) t Hexachlorobenzene	0.205	0.217	0.223	0.226	0.222	0.219	0.224	0.217	0.216	0.202	0.217	3.61
26) t Pentachlorophenol					0.007	0.018	0.048	0.069	0.099	0.112	*Q	0.9950
27) t Phenanthrene			1.149	1.204	1.203	1.144	1.159	1.127	1.118	1.036	1.143	4.68
28) t Anthracene		1.118	1.123	1.062	1.092	1.078	1.138	1.100	1.091	1.009	1.090	3.52
29) t Fluoranthene		1.264	1.264	1.230	1.223	1.217	1.292	1.235	1.250	1.147	1.236	3.30
30) t Pyrene		1.293	1.282	1.264	1.260	1.256	1.343	1.293	1.269	1.153	1.268	4.00
31) T Benzidine						0.009	0.143	0.404	0.654	0.670	*L	0.9952
32) s 4-Terphenyl-d14	0.902	0.840	0.807	0.804	0.808	0.796	0.829	0.776	0.763	0.690	0.802	6.83
33) i Chrysene-d12	-----ISTD-----											
34) t Benzo[a]anthracene		0.826	0.544	0.434	0.381	0.375	0.391	0.383	0.399	0.378	*L	0.9994
35) t 3,3'-Dichlorobenzidine					0.310	0.347	0.479	0.493	0.538	0.527	*L	0.9991
36) t Chrysene		0.969	1.259	1.266	1.307	1.344	1.386	1.320	1.326	1.255	1.270	9.50



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Calibration dates : 09/08/25 19:01 09/08/25 21:31

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22616

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) T bis(2-Ethylhexyl)phthalate					0.497	0.504	0.674	0.708	0.827	0.871	*Q	0.9990
38) i Perylene-d12	-----ISTD-----											
39) t Benzo[b]fluoranthene		1.185	1.348	1.204	1.195	1.217	1.344	1.260	1.304	1.331	1.265	5.34
40) t Benzo[k]fluoranthene		1.244	1.312	1.237	1.267	1.283	1.331	1.354	1.355	1.157	1.282	5.02
41) t Benzo[a]pyrene		0.995	1.098	1.043	1.064	1.088	1.197	1.180	1.229	1.174	1.119	7.12
42) t Indeno[1,2,3-cd]pyrene		0.957	1.131	0.980	0.980	1.001	1.114	1.119	1.154	1.129	1.063	7.59
43) t Dibenzo[a,h]anthracene			1.096	0.943	0.980	1.015	1.119	1.090	1.111	1.077	1.054	6.23
44) t Benzo[g,h,i]perylene		0.977	1.177	1.023	1.029	1.068	1.152	1.136	1.178	1.121	1.096	6.73



Method Path : I:\8270SIM\SV125\250908RVTical\
 Method File : SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 09 15:24:20 2025
 Response Via : Initial Calibration

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD	
1) i 1,4-Dichlorobenzene-d4	-----ISTD-----												
2) t N-Nitrosodimethylamine	0.942	0.947	0.946	0.957	0.960	0.994	1.053	0.678	0.664	0.665	0.626	0.648	3.34
3) s 2-Fluorophenol	1.131	1.054	1.172	1.141	1.217	1.220	1.321	1.309	1.048	0.971	0.988	4.81	
4) s Phenol-d6												7.85	
5) t bis(2-Chloroethyl)ether												3.46	
6) t n-Nitrosodi-n-propylamine												3.80	
7) t Hexachloroethane	0.543	0.519	0.504	0.497	0.490	0.506	0.497	0.493	0.469	0.502	0.501	4.07	
8) s Nitrobenzene-d5	0.810	0.952	0.919	0.908	0.961	0.972	1.059	1.057	1.072	1.035	0.974	8.52	
9) i Naphthalene-d8	-----ISTD-----												
10) t Naphthalene	1.240	1.126	1.090	1.045	1.031	1.034	1.034	1.008	1.000	0.947	1.058	8.09	
11) t Hexachlorobutadiene	0.174	0.183	0.179	0.177	0.177	0.177	0.178	0.174	0.172	0.165	0.175	2.82	
12) t 2-Methylnaphthalene	0.643	0.618	0.615	0.609	0.606	0.628	0.621	0.620	0.596	0.617	0.619	2.19	
13) t 1-Methylnaphthalene	0.671	0.685	0.682	0.677	0.670	0.672	0.672	0.652	0.645	0.617	0.663	3.29	
14) s 2-Fluorobiphenyl	0.813	0.830	0.860	0.863	0.840	0.830	0.831	0.796	0.774	0.726	0.816	5.09	
15) t 2-Chloronaphthalene	0.697	0.695	0.698	0.700	0.694	0.702	0.688	0.694	0.667	0.693	1.49		
16) t 2,6-Dinitrotoluene												14.36	
17) t Acenaphthylene	1.050	1.060	1.065	1.076	1.076	1.078	1.167	1.141	1.146	1.074	1.095	3.97	
18) i Acenaphthene-d10	-----ISTD-----												
19) t Acenaphthene	1.283	1.233	1.360	1.360	1.304	1.291	1.310	1.264	1.266	1.198	1.279	3.65	
20) t 2,4-Dinitrotoluene												*L 0.9990	
21) t Fluorene	1.475	1.423	1.424	1.416	1.425	1.502	1.442	1.443	1.338	1.432	3.15		
22) s 2,4,6-Tribromophenol												18.69	
23) i Phenanthrene-d10	-----ISTD-----												
24) t 4,6-Dinitro-o-cresol	0.205	0.217	0.223	0.226	0.222	0.219	0.224	0.217	0.216	0.202	0.217	0.9973	
25) t Hexachlorobenzene												*L 3.61	
26) t Pentachlorophenol												*Q 0.9950	
27) t Phenanthrene	1.149	1.204	1.203	1.144	1.159	1.127	1.118	1.036	1.143	4.68			
28) t Anthracene	1.118	1.123	1.062	1.092	1.078	1.138	1.100	1.091	1.009	1.090	3.52		
29) t Fluoranthene	1.264	1.264	1.230	1.223	1.217	1.292	1.235	1.250	1.147	1.236	3.30		
30) t Pyrene	1.293	1.282	1.264	1.260	1.256	1.343	1.293	1.269	1.153	1.268	4.00		
31) t Benzidine												*L 0.9952	
32) s 4-Terphenyl-d14	0.902	0.840	0.807	0.804	0.808	0.796	0.829	0.776	0.763	0.690	0.802	6.83	
33) i Chrysene-d12	-----ISTD-----												
34) t Benzo[a]anthracene	0.826	0.544	0.434	0.381	0.375	0.391	0.391	0.383	0.399	0.378	*L 0.9994		
35) t 3,3'-dichlorobenzidine												*L 0.9991	
36) t Chrysene	0.969	1.259	1.266	1.307	1.344	1.386	1.320	1.326	1.255	1.270	9.50		
37) t bis(2-Ethylhexyl)phthalate												*Q 0.9990	
38) i Perylene-d12	-----ISTD-----												
39) t Benzo[b]fluora...	1.185	1.348	1.204	1.195	1.217	1.344	1.260	1.304	1.331	1.265	5.34		
40) t Benzo[k]fluora...	1.244	1.312	1.237	1.267	1.283	1.331	1.354	1.355	1.157	1.282	5.02		
41) t Benzo[a]pyrene	0.995	1.098	1.043	1.064	1.088	1.197	1.180	1.229	1.174	1.119	7.12		
42) t Indeno[1,2,3-c...	0.957	1.131	0.980	0.980	1.001	1.114	1.119	1.154	1.129	1.063	7.59		
43) t Dibenzo[a,h]anthracene	1.096	0.943	0.980	0.980	1.015	1.119	1.090	1.111	1.077	1.054	6.23		
44) t Benzo[g,h,i]pe...	0.977	1.177	1.023	1.029	1.068	1.152	1.136	1.178	1.121	1.096	6.73		
#) =	out of Range												

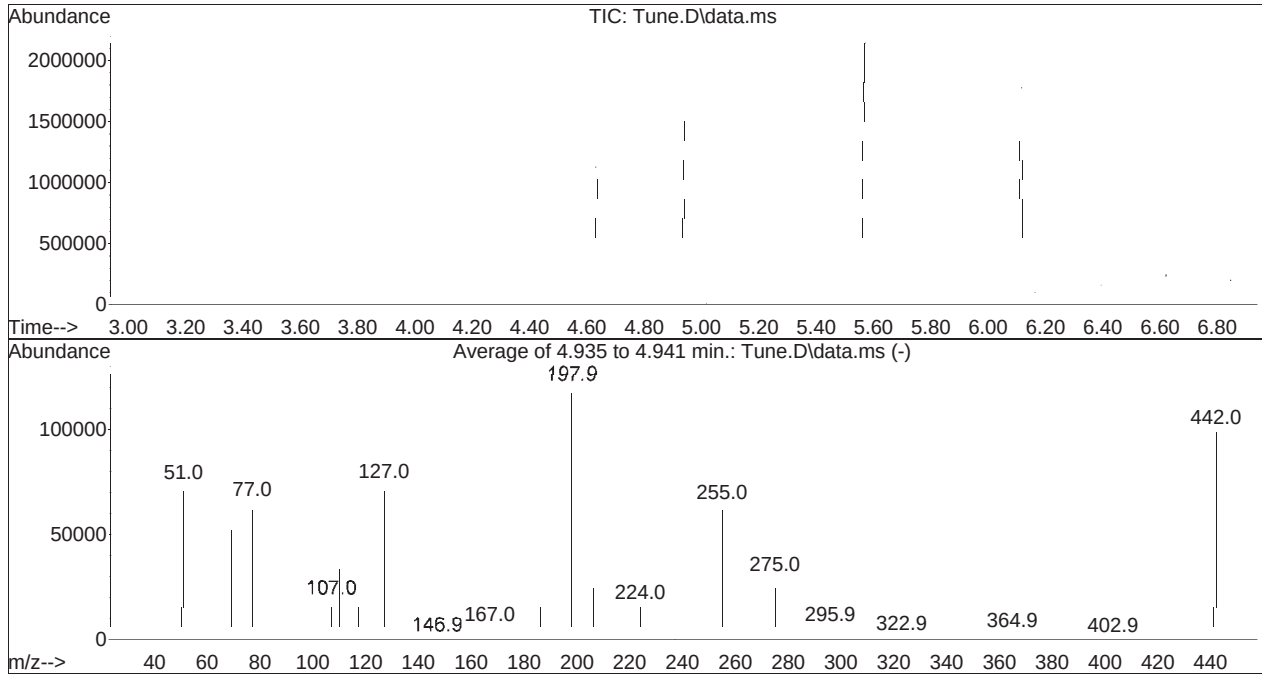
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : Tune.D
 Acq On : 08 Sep 2025 06:17 pm
 Operator : SV125:ljg
 Sample : TUNE #11473
 Misc : WG2112310,,
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 09 07:49:30 2025



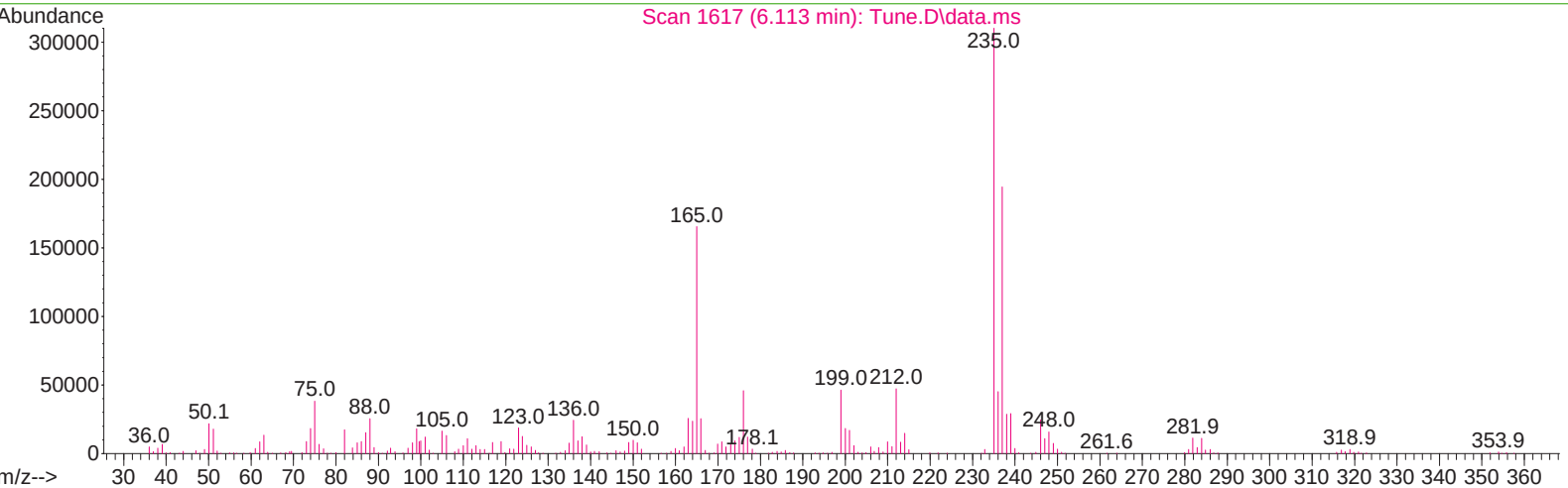
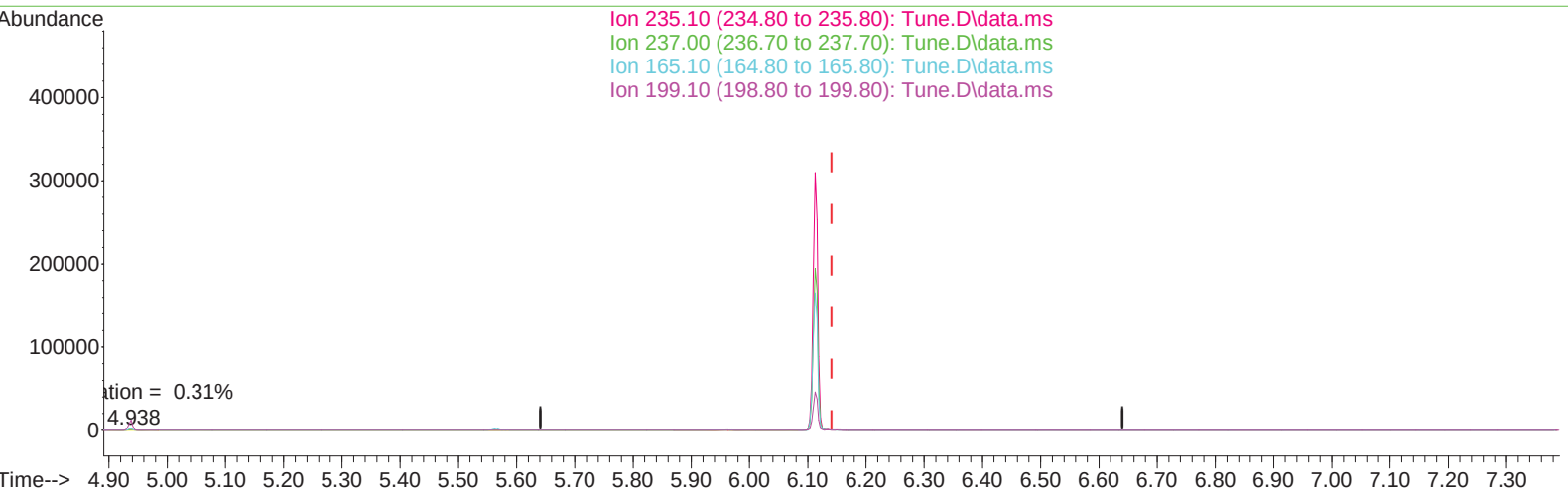
Spectrum Information: Average of 4.935 to 4.941 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	59.2	74432	PASS
68	69	0.00	2	0.8	465	PASS
69	69	100	100	100.0	58419	PASS
70	69	0.00	2	0.5	266	PASS
127	198	10	80	59.3	74637	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	125819	PASS
199	198	5	9	6.8	8503	PASS
275	198	10	60	24.1	30341	PASS
365	198	1	100	2.7	3434	PASS
441	442	0.01	24	17.5	17587	PASS
442	198	50	100	79.8	100360	PASS
443	442	15	24	19.1	19161	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : Tune.D
 Acq On : 08 Sep 2025 06:17 pm
 Operator : SV125:ljj
 Sample : TUNE #11473
 Misc : WG2112310,,
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 08 18:38:08 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 25 10:44:55 2025
 Response via : Continuing Cal File:



CHROMtools™ [TUNE #11473]

(6) ddt (T)

6.113min (-0.028) 28.52

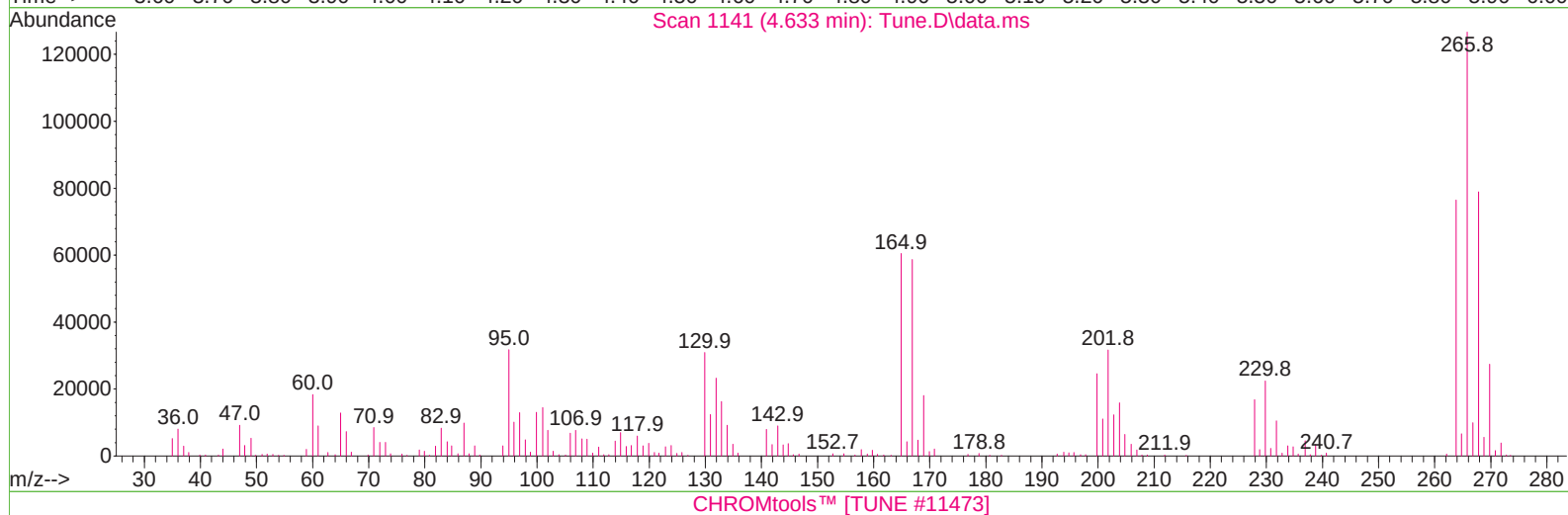
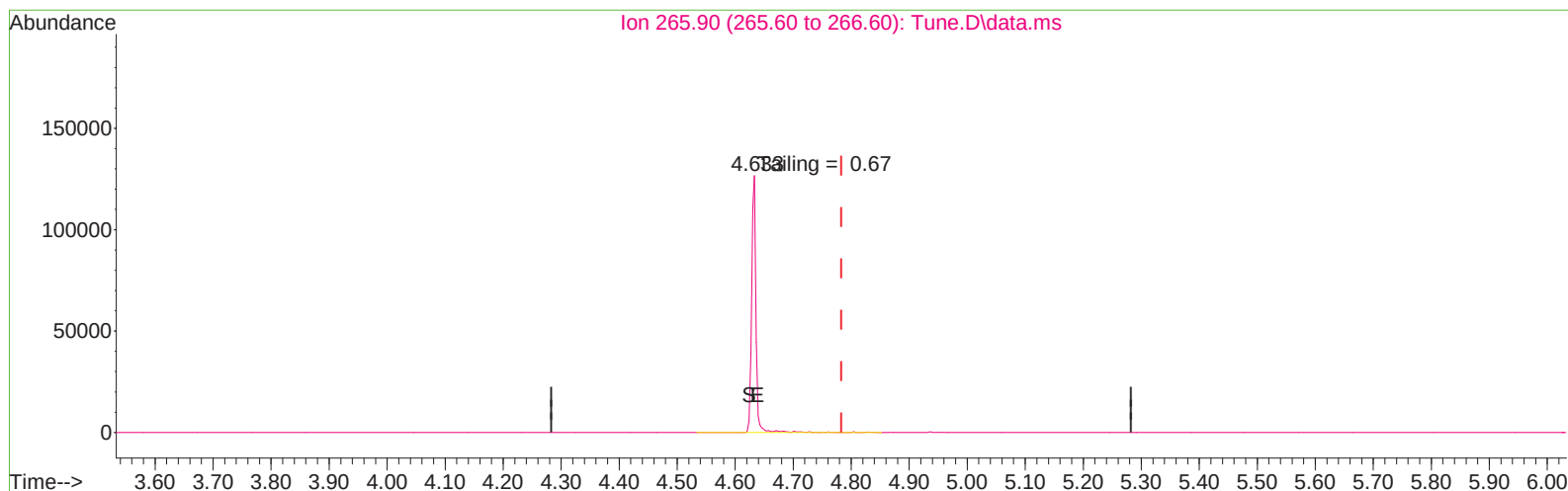
response 173880

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.41
165.10	53.30	54.45
199.10	17.10	14.81

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : Tune.D
 Acq On : 08 Sep 2025 06:17 pm
 Operator : SV125:ljg
 Sample : TUNE #11473
 Misc : WG2112310,,
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 08 18:38:08 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 25 10:44:55 2025
 Response via : Continuing Cal File:



CHROMtools™ [TUNE #11473]

(1) pentachlorophenol (T)

4.633min (-0.150) 30.83

response 64747

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL10.D
 Acq On : 08 Sep 2025 07:01 pm
 Operator : SV125:ljl
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2112310,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 14:53:19 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:37 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.291	152	328516	4000.000	ng/ml	-0.02
Standard Area 1 = 322973			Recovery	=	101.72%	
9) Naphthalene-d8	2.955	136	1292602	4000.000	ng/ml	-0.02
Standard Area 1 = 1270390			Recovery	=	101.75%	
18) Acenaphthene-d10	3.929	164	736941	4000.000	ng/ml	-0.01
Standard Area 1 = 721721			Recovery	=	102.11%	
23) Phenanthrene-d10	4.772	188	1398037	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	100.25%	
33) Chrysene-d12	6.449	240	1114873M1	4000.000	ng/ml	0.12
Standard Area 1 = 1178823			Recovery	=	94.58%	
38) Perylene-d12	7.538	264	1117108M1	4000.000	ng/ml	0.14
Standard Area 1 = 1143832			Recovery	=	97.66%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.701	112	398831	4916.377	ng/ml	-0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	245.82%#	
4) Phenol-d6	2.111	99	535153	5339.714	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	266.99%#	
8) Nitrobenzene-d5	2.574	82	425033	5310.844	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	531.08%#	
14) 2-Fluorobiphenyl	3.556	172	1173341	4447.969	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	444.80%#	
22) 2,4,6-Tribromophenol	4.374	330	156427	5709.375	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	285.47%#	
32) 4-Terphenyl-d14	5.757	244	1206411M1	4305.933	ng/ml	0.06
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	430.59%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.210	74	257246	4833.219	ng/mL	98
5) Bis(2-chloroethyl)ether	2.161	93	440995	4880.311	ng/ml	99
6) n-nitrosodi-n-propylamine	2.499	70	310718M6	5175.026	ng/ml	
7) Hexachloroethane	2.549	117	192444	4668.792	ng/ml	100
10) Naphthalene	2.965	128	1529601	4475.062	ng/ml	99
11) Hexachlorobutadiene	3.041	225	266602	4707.953	ng/ml	100
12) 2-Methylnaphthalene	3.345	142	963199	4828.298	ng/ml	99
13) 1-Methylnaphthalene	3.400	142	996165	4647.900	ng/ml	99
15) 2-Chloronaphthalene	3.614	162	1078328	4816.373	ng/ml	99
16) 2,6-Dinitrotoluene	3.816	165	223803M6	5415.259	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL10.D
 Acq On : 08 Sep 2025 07:01 pm
 Operator : SV125:ljpg
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2112310,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 14:53:19 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:37 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.846	152	1734824	4901.038	ng/ml	99
19)	Acenaphthene	3.947	153	1103531	4683.893	ng/ml	97
20)	2,4-Dinitrotoluene	4.041	165	314814	4981.889	ng/ml	95
21)	Fluorene	4.237	166	1232563	4671.850	ng/ml	98
24)	4,6-Dinitro-o-cresol	4.274	198	167580	5136.345	ng/ml	97
25)	Hexachlorobenzene	4.554	284	353590M6	4658.391	ng/ml	
26)	Pentachlorophenol	4.669	266	196016	4927.171	ng/ml	99
27)	Phenanthrene	4.784	178	1810249	4533.299	ng/ml	99
28)	Anthracene	4.817	178	1762676	4627.106	ng/ml	99
29)	Fluoranthene	5.503	202	2004359M1	4641.383	ng/ml	
30)	Pyrene	5.645	202	2014829M1	4545.740	ng/ml	
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.438	226	526426M4	4912.675	ng/ml	
35)	3,3'-Dichlorobenzidine	6.435	252	734308M4	5005.835	ng/ml	
36)	Chrysene	6.465	228	1749511M6	4941.683	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.500	149	1213357M6	4967.471	ng/ml	
39)	Benzo[b]fluoranthene	7.212	252	1858724M6	5259.705	ng/ml	
40)	Benzo[k]fluoranthene	7.235	252	1615186M4	4510.455	ng/ml	
41)	Benzo[a]pyrene	7.485	252	1639089M6	5247.056	ng/ml	
42)	Indeno[1,2,3-cd]pyrene	8.623	276	1576607M4	5311.793	ng/ml	
43)	Dibenzo[a,h]anthracene	8.661	278	1503245M6	5108.083	ng/ml	
44)	Benzo[g,h,i]perylene	8.931	276	1565500M6	5116.314	ng/ml	

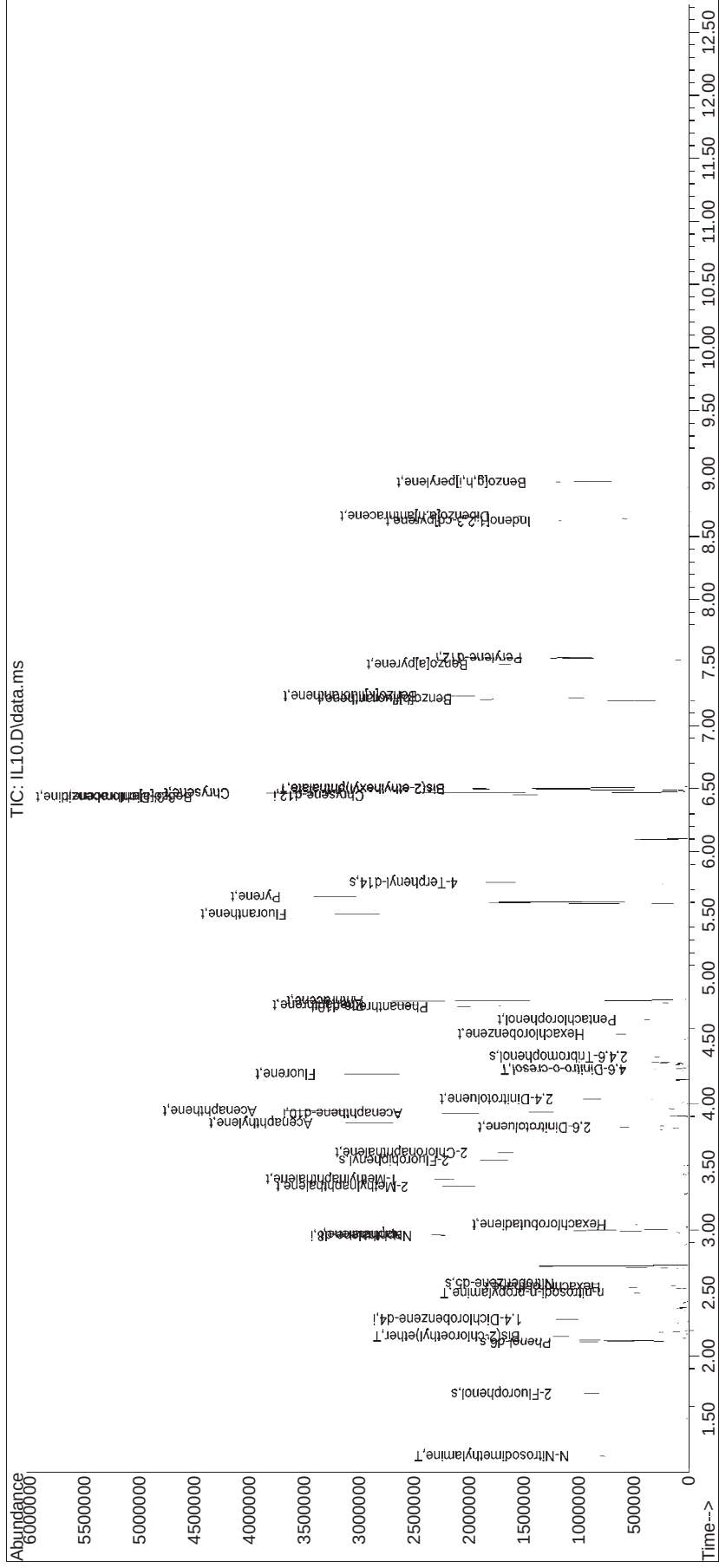
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D
Acq On : 08 Sep 2025 07:01 pm
Operator : SV125:ljjg
Sample : IL10,32,,5 Lot# 11697
Misc : WG2112310,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 14:53:19 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:37:37 2025
Response via : Initial Calibration

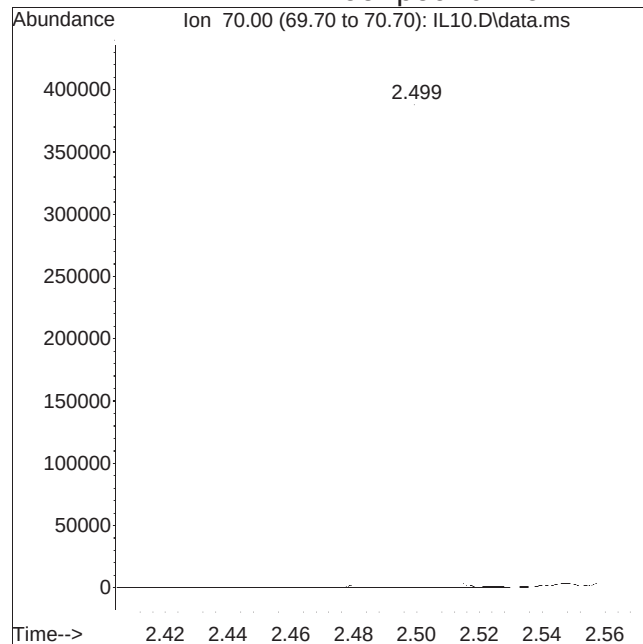
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

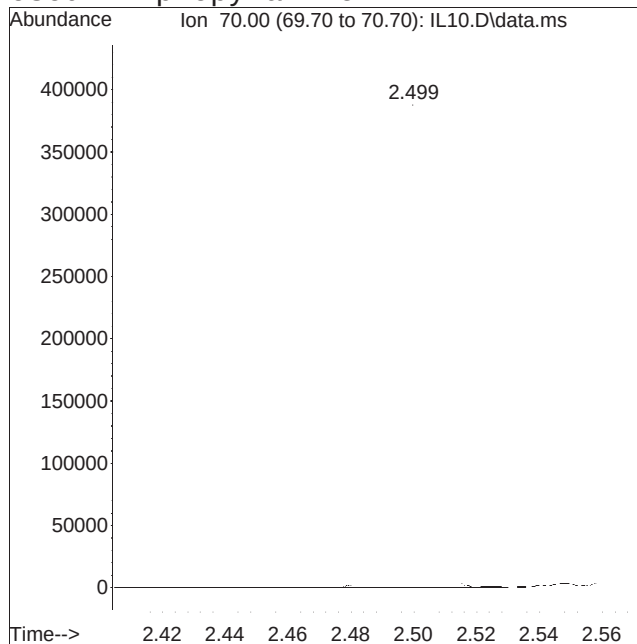
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #6: n-nitrosodi-n-propylamine



Original Peak Response = 377123

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

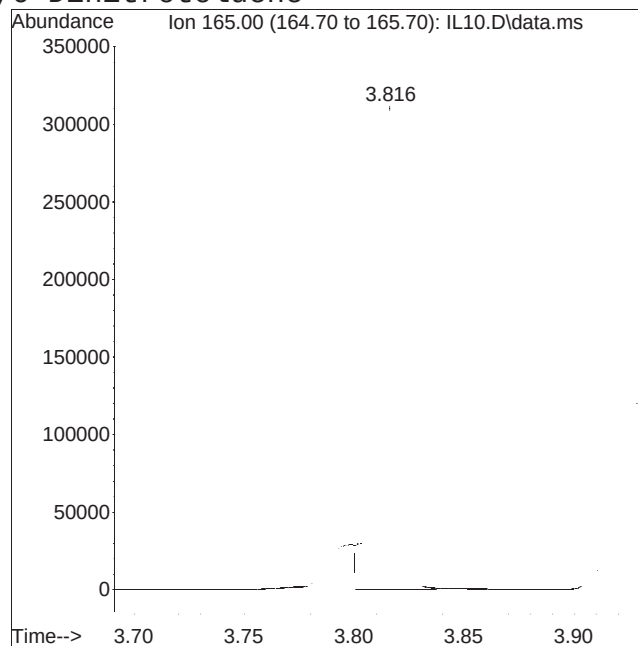
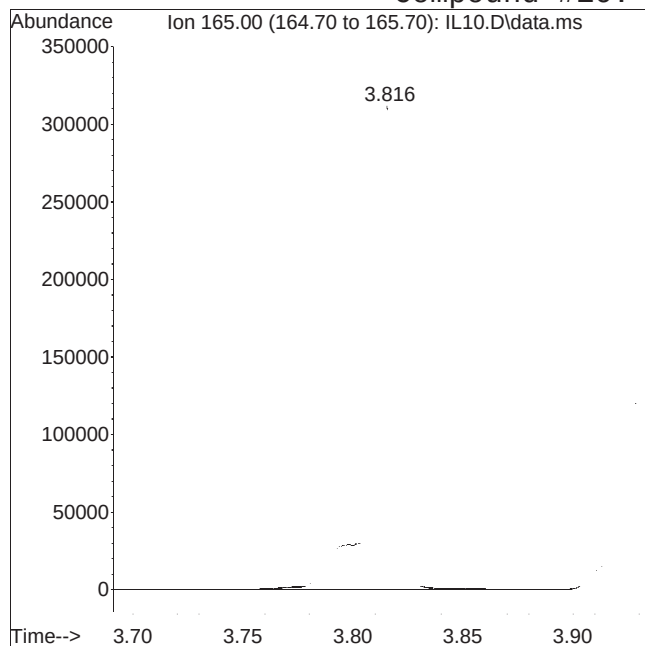


Manual Peak Response = 310718 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:lvg
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 292258

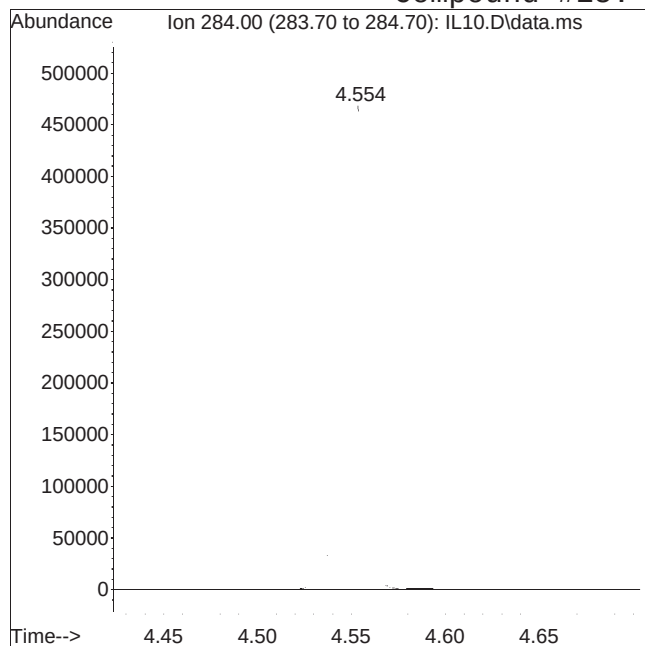
Manual Peak Response = 223803 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

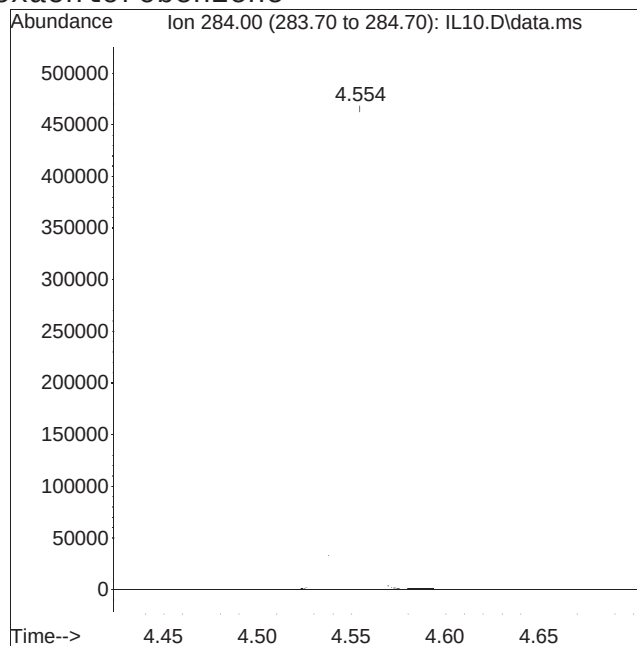
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 401834

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

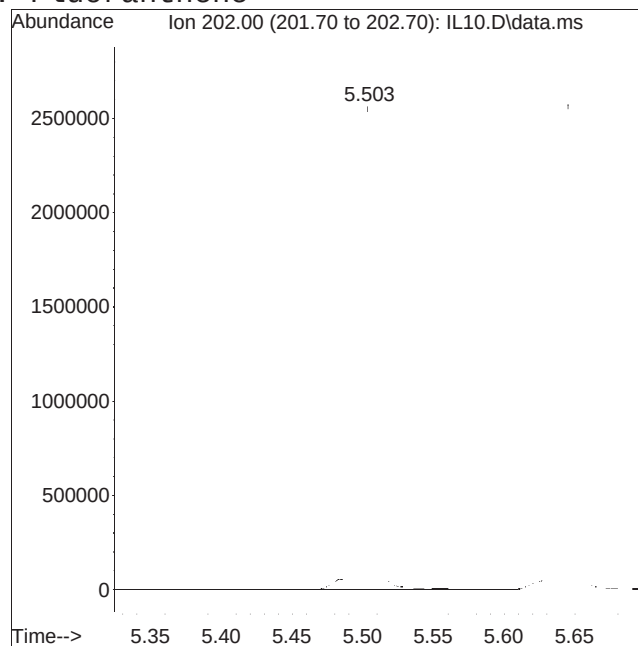
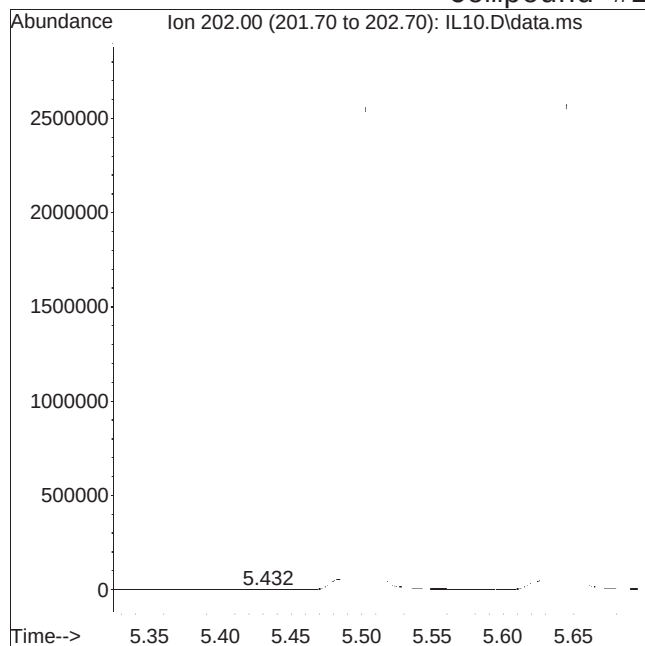


Manual Peak Response = 353590 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #29: Fluoranthene



Original Peak Response = 52

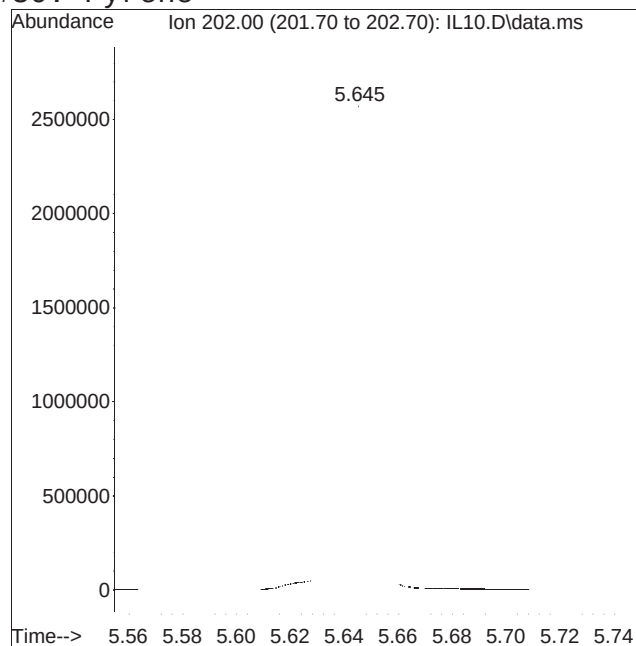
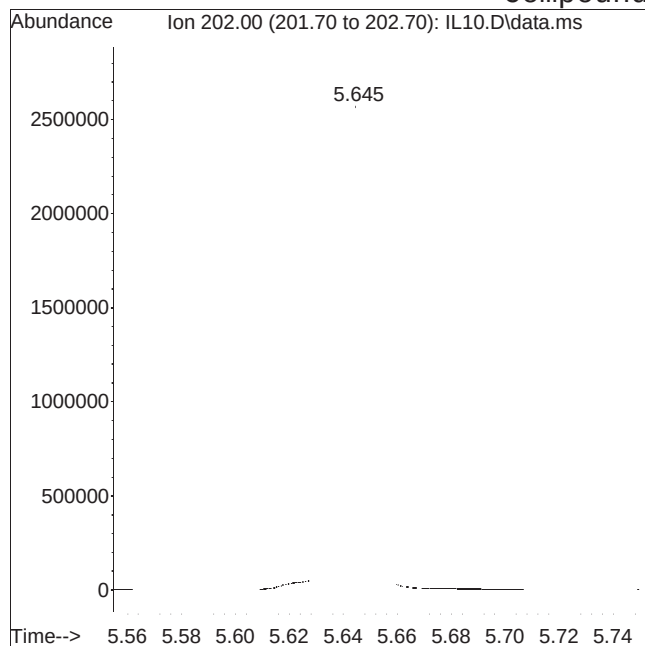
Manual Peak Response = 2004359 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #30: Pyrene



Original Peak Response = 1998891

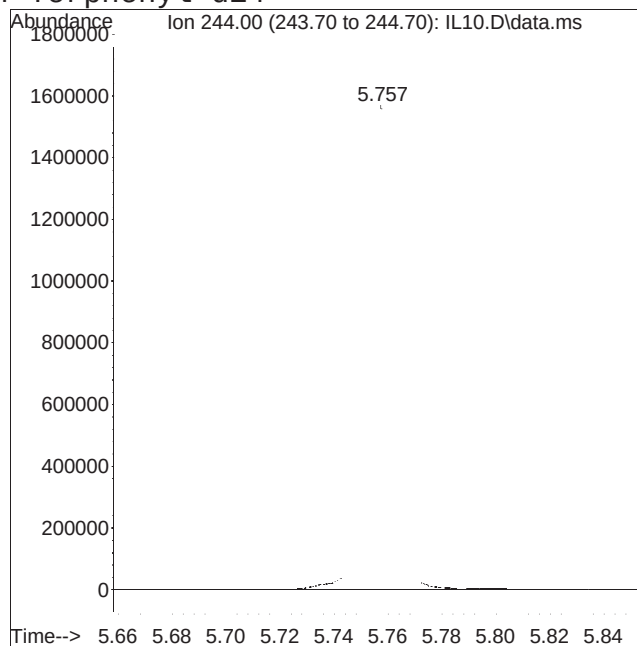
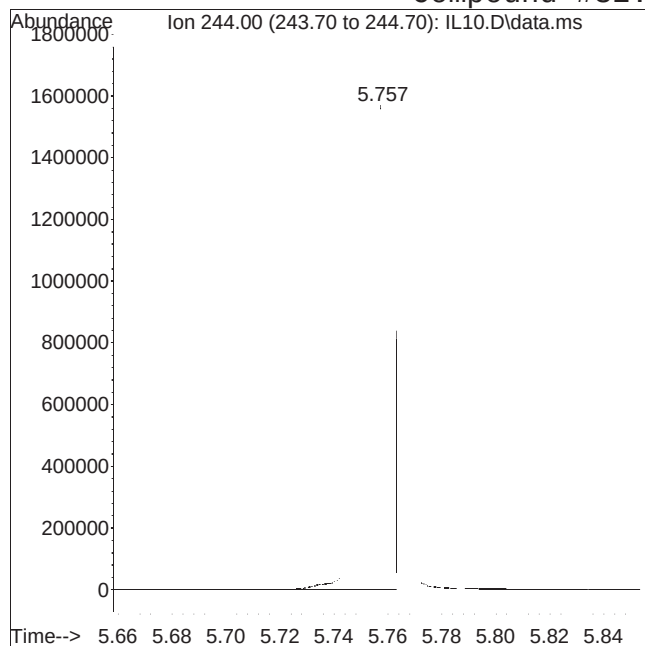
Manual Peak Response = 2014829 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : IL10.D
Date Inj'd : 9/8/2025 7:01 pm
Sample : IL10,32,,5 Lot# 11697
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #32: 4-Terphenyl-d14



Original Peak Response = 1117755

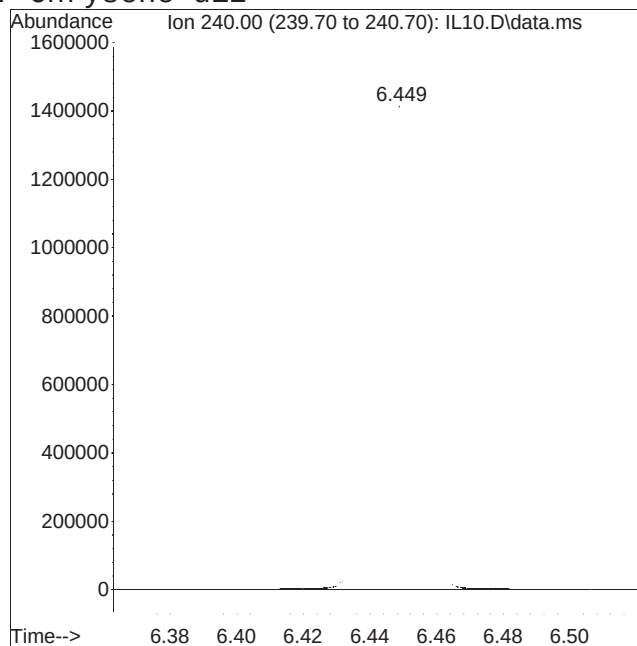
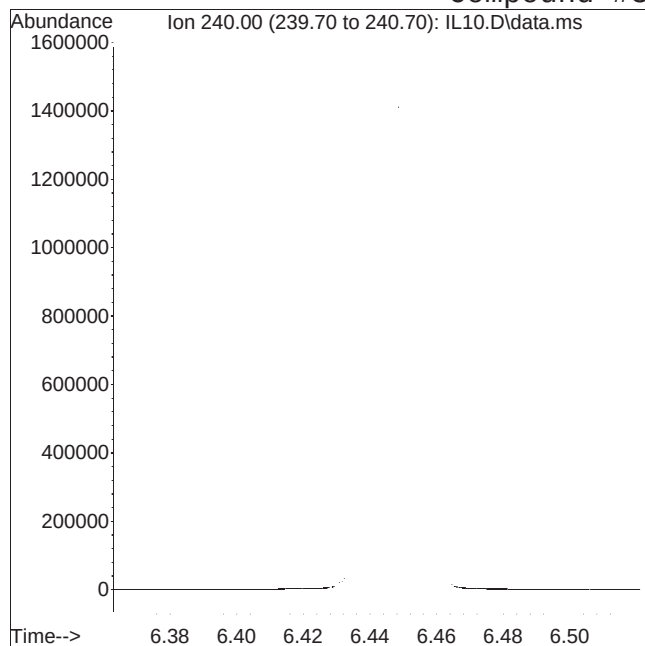
Manual Peak Response = 1206411 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : IL10.D
Date Inj'd : 9/8/2025 7:01 pm
Sample : IL10,32,,5 Lot# 11697
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljb
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #33: Chrysene-d12



Original Peak Response = 0

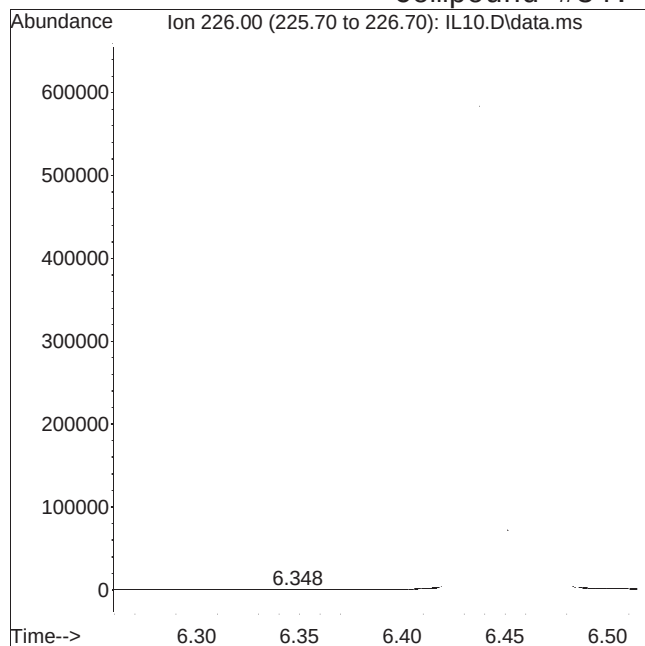
Manual Peak Response = 1114873 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

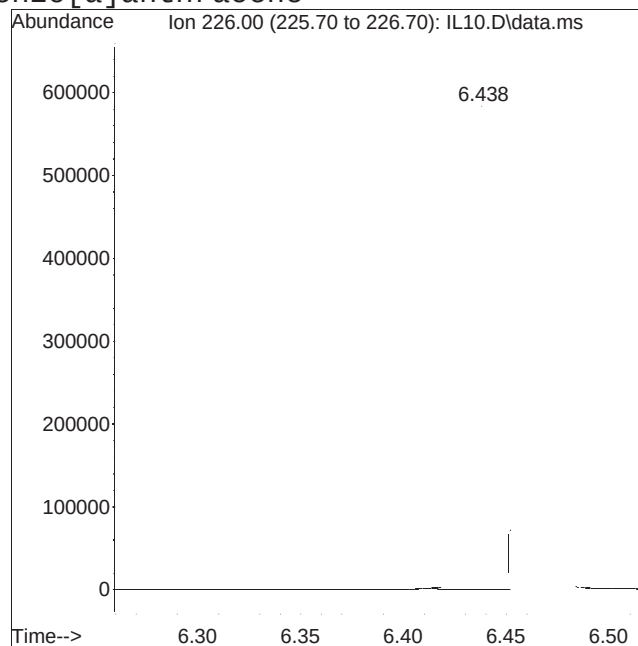
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #34: Benzo[a]anthracene



Original Peak Response = 143



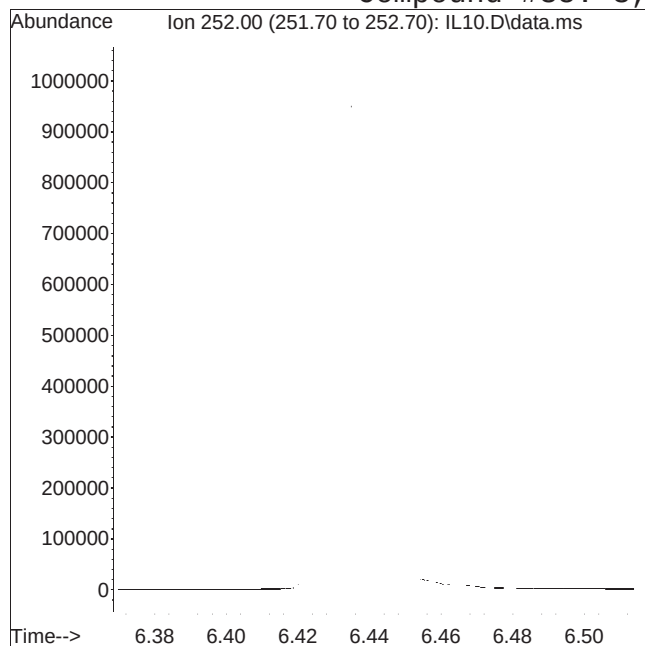
Manual Peak Response = 526426 M4

M4 = Poor automated baseline construction.

Manual Integration Report

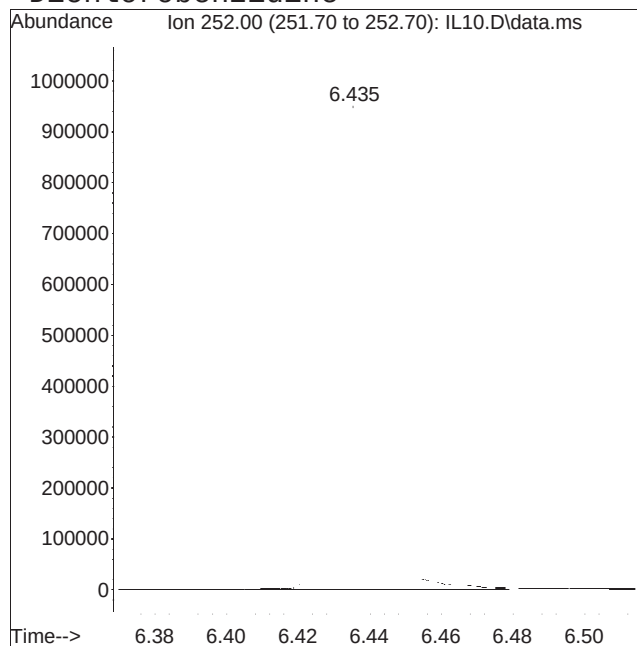
Data Path : I:\8270SIM\SV125\250908RVT\data.ms
Data File : IL10.D
Date Inj'd : 9/8/2025 7:01 pm
Sample : IL10,32,,5 Lot# 11697
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #35: 3,3'-Dichlorobenzidine



Original Peak Response = 0

M4 = Poor automated baseline construction.

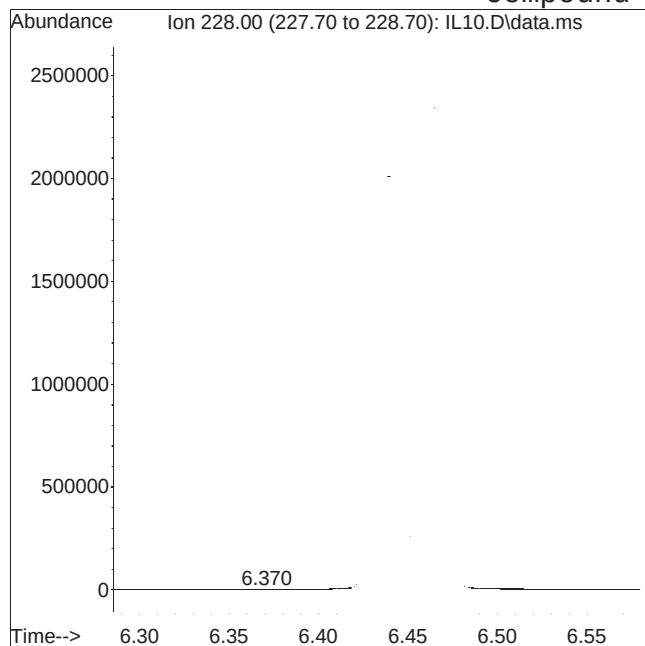


Manual Peak Response = 734308 M4

Manual Integration Report

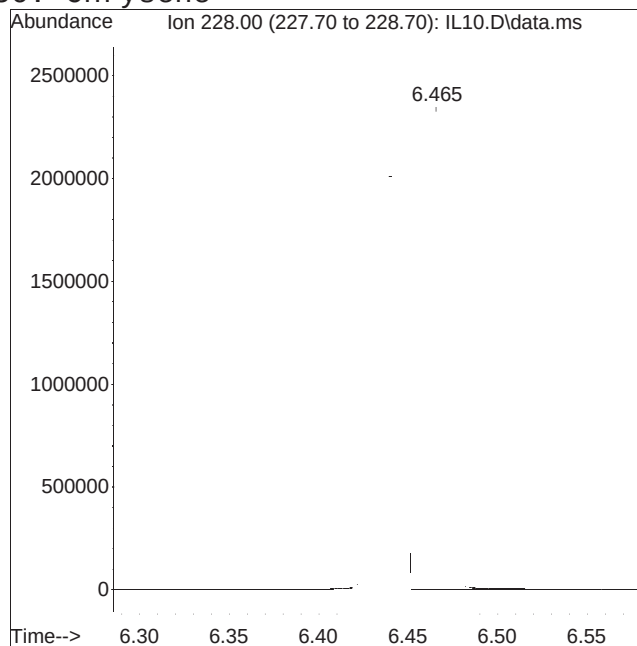
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #36: Chrysene



Original Peak Response = 166

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

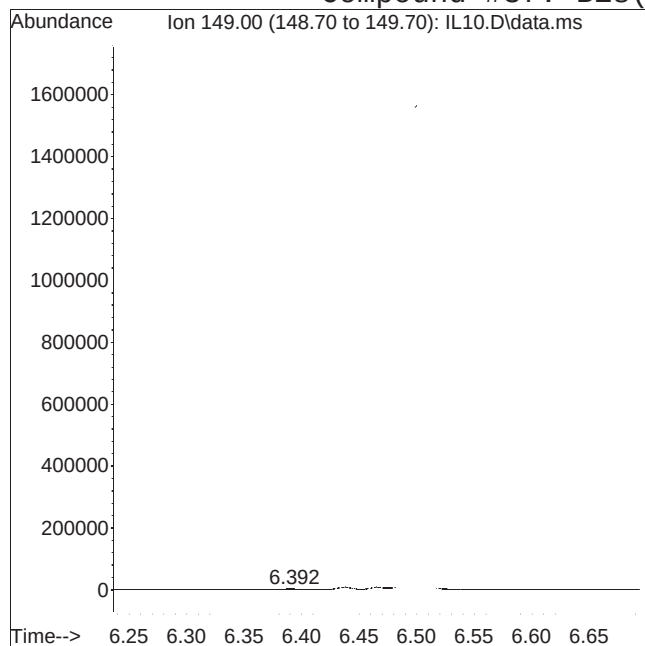


Manual Peak Response = 1749511 M6

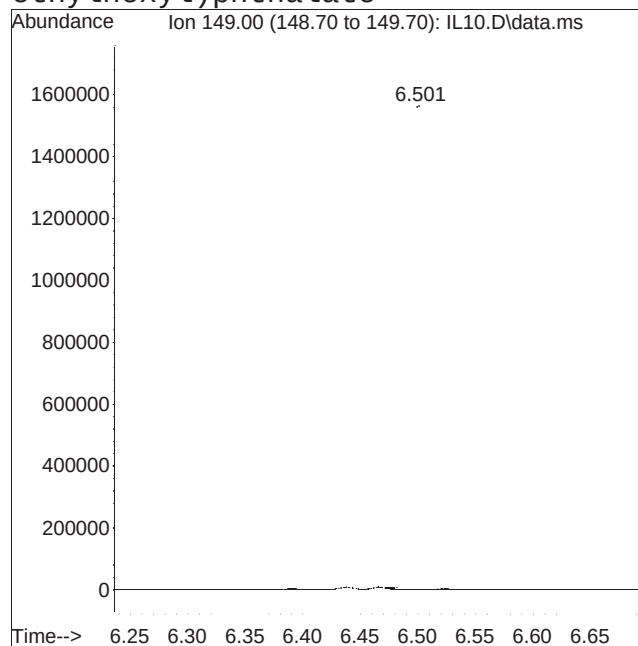
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 2032



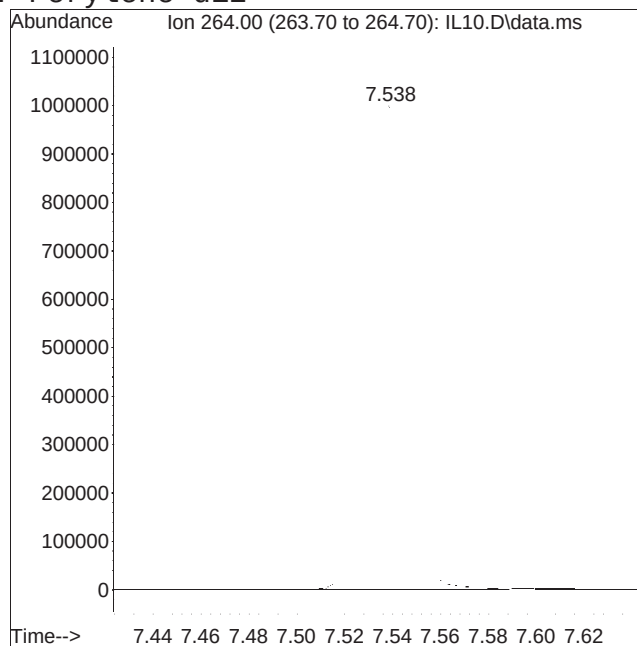
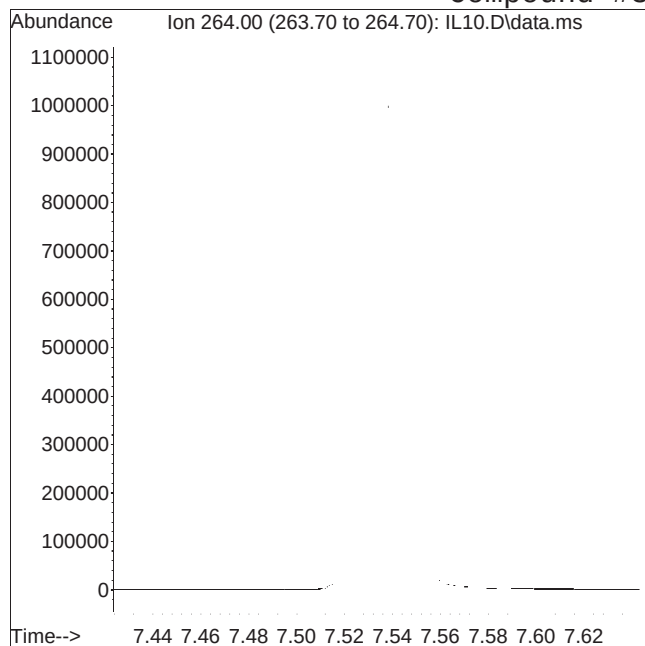
Manual Peak Response = 1213357 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT001.M
Data File : IL10.D
Date Inj'd : 9/8/2025 7:01 pm
Sample : IL10,32,,5 Lot# 11697
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #38: Perylene-d12



Original Peak Response = 0

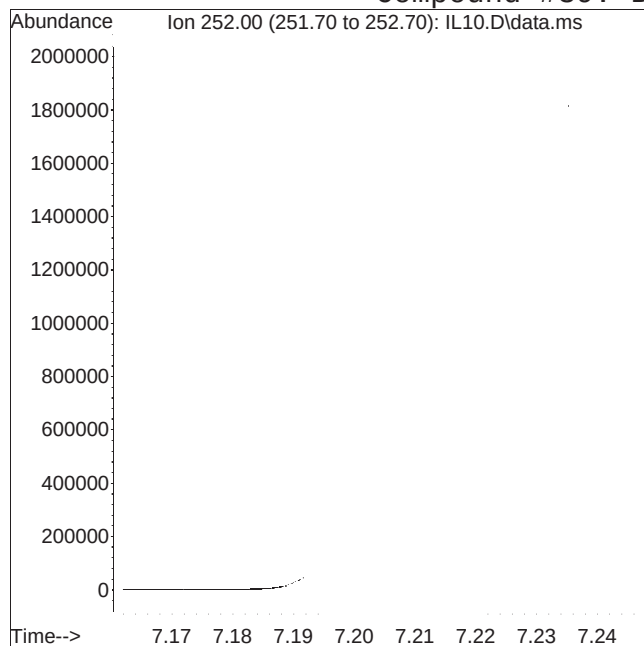
Manual Peak Response = 1117108 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

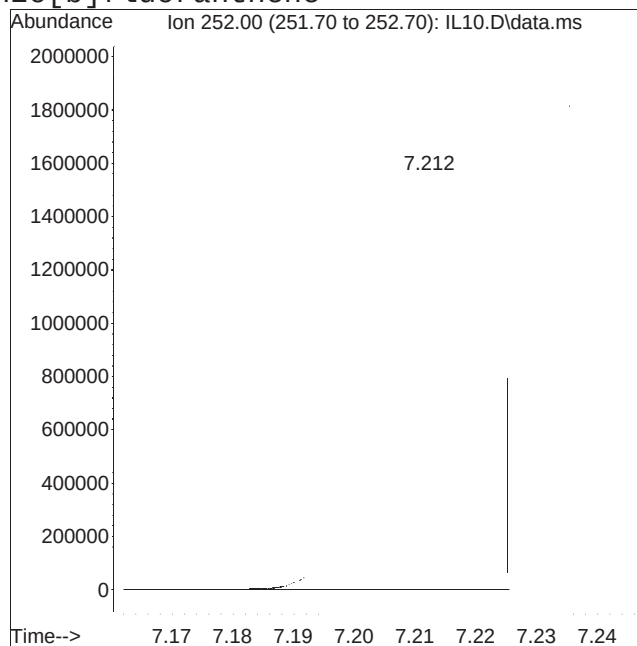
Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #39: Benzo[b]fluoranthene



Original Peak Response = 0

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

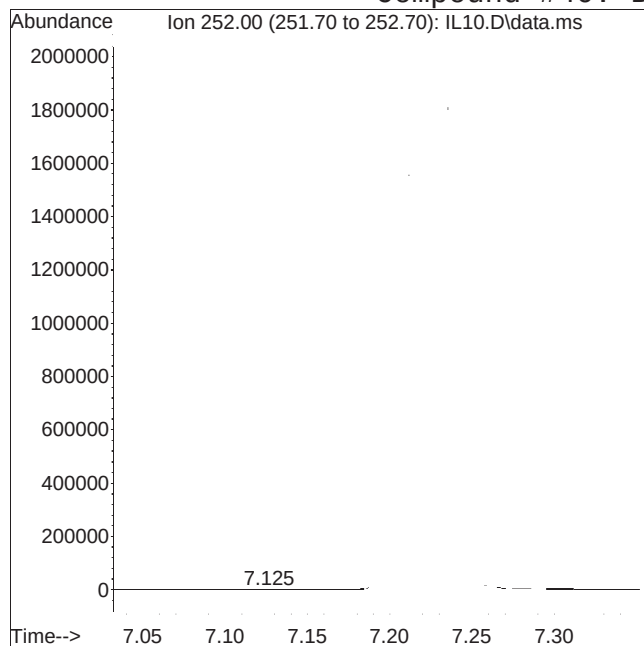


Manual Peak Response = 1858724 M6

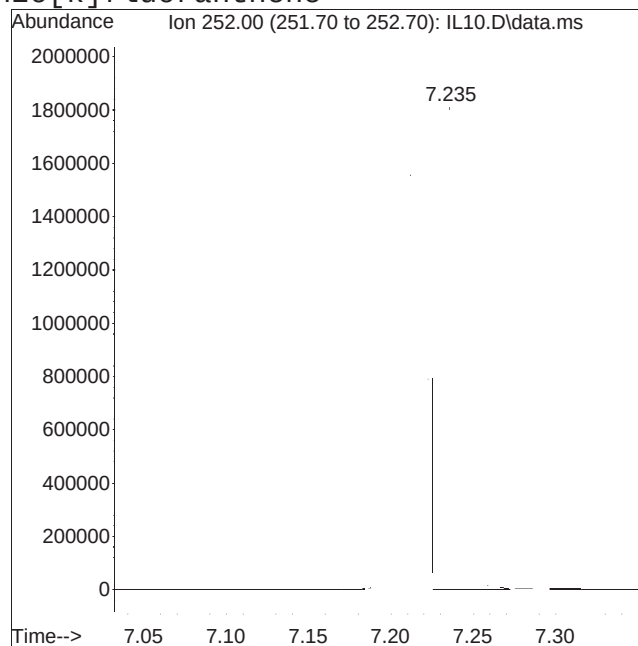
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 44



Manual Peak Response = 1615186 M4

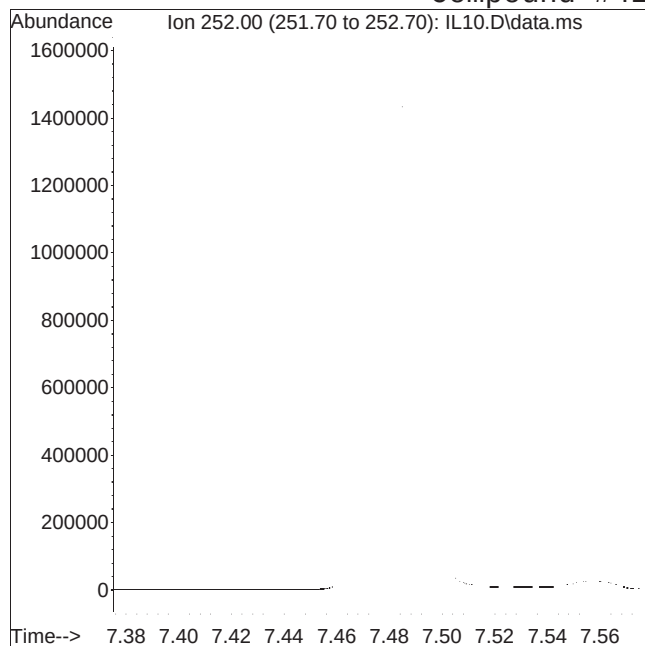
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : IL10.D
Date Inj'd : 9/8/2025 7:01 pm
Sample : IL10,32,,5 Lot# 11697

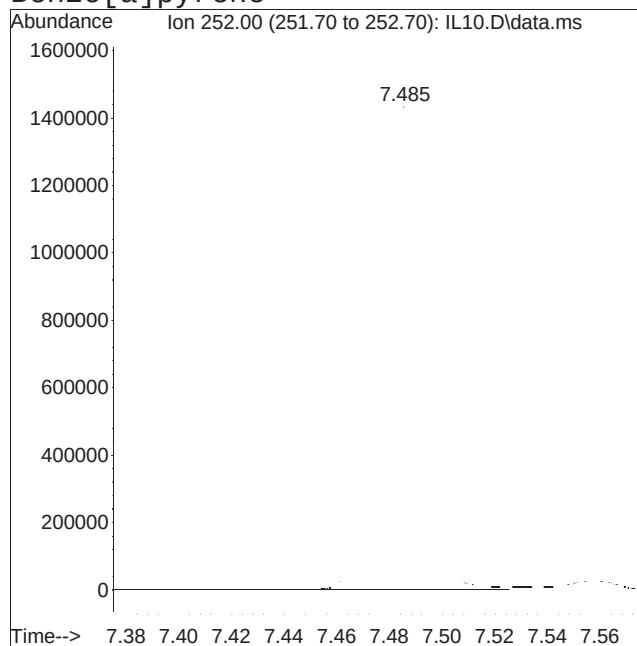
Method :
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #41: Benzo[a]pyrene



Original Peak Response = 0

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

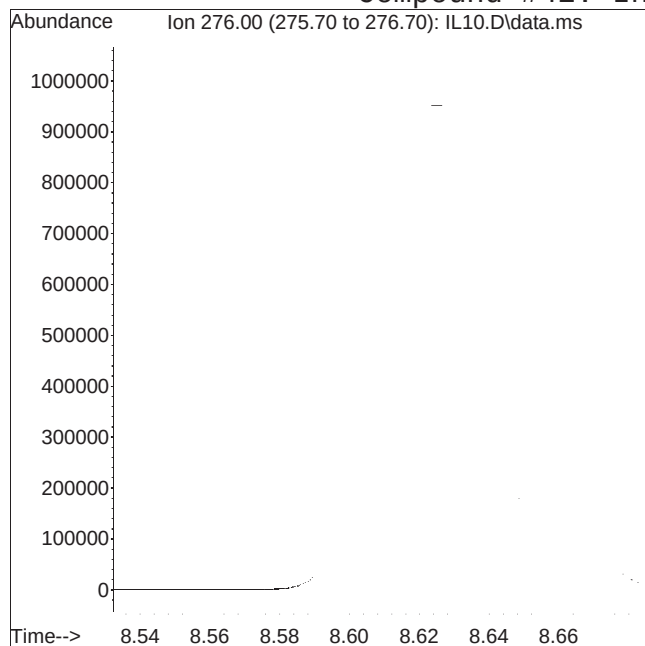


Manual Peak Response = 1639089 M6

Manual Integration Report

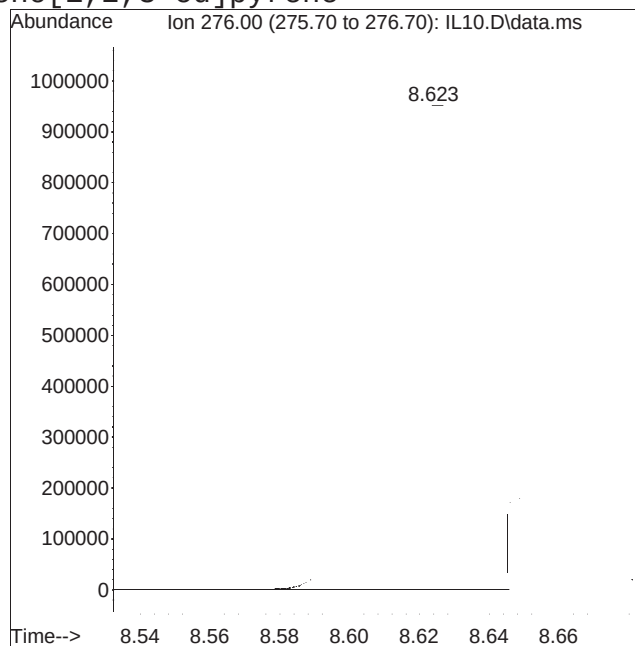
Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 0

M4 = Poor automated baseline construction.

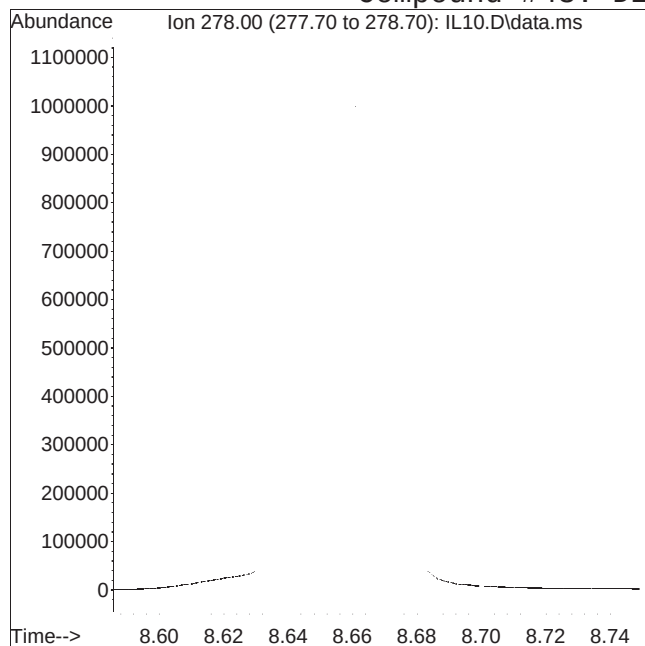


Manual Peak Response = 1576607 M4

Manual Integration Report

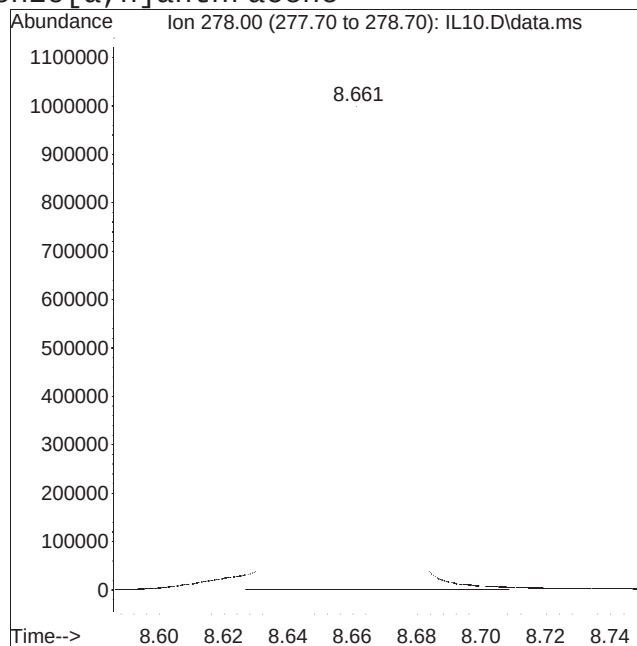
Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 0

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

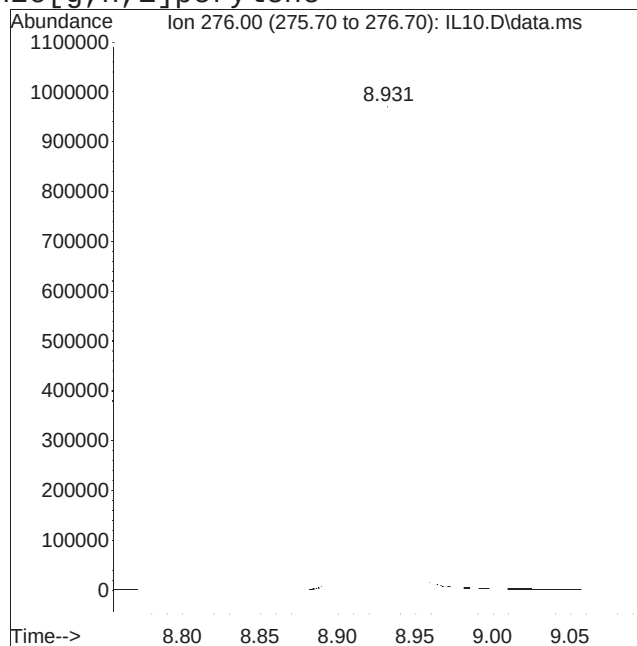
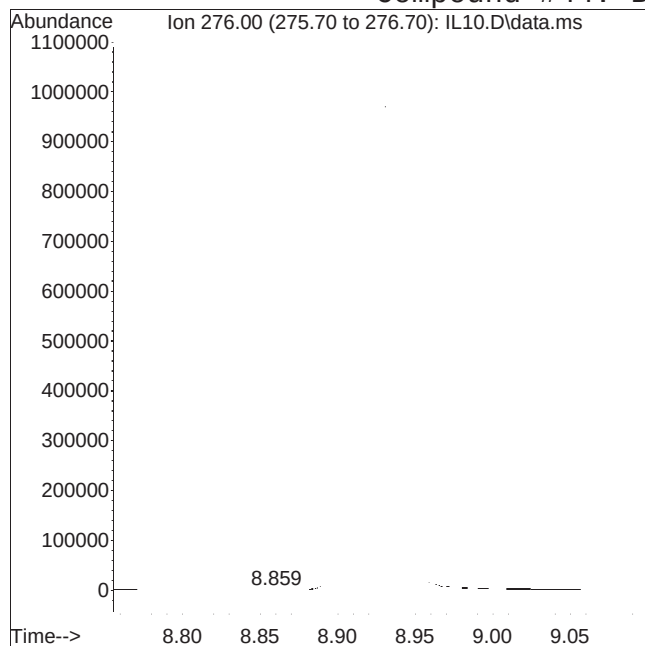


Manual Peak Response = 1503245 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 67

Manual Peak Response = 1565500 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL9.D
 Acq On : 08 Sep 2025 07:17 pm
 Operator : SV125:ljb
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2112310,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 14:37:57 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:48 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.310	152	288887	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	89.45%	
9) Naphthalene-d8	2.968	136	1136307	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	89.45%	
18) Acenaphthene-d10	3.938	164	645082	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	89.38%	
23) Phenanthrene-d10	4.772	188	1238713	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	88.83%	
33) Chrysene-d12	6.337	240	1022326	4000.000	ng/ml	0.01
Standard Area 1 = 1178823			Recovery	=	86.72%	
38) Perylene-d12	7.411	264	1012857	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	88.55%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.725	112	189142	2651.385	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	132.57%#	
4) Phenol-d6	2.133	99	241095	2735.626	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	136.78%#	
8) Nitrobenzene-d5	2.591	82	193472	2749.081	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	274.91%#	
14) 2-Fluorobiphenyl	3.565	172	550028	2371.873	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	237.19%#	
22) 2,4,6-Tribromophenol	4.381	330	71220	2969.591	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	148.48%#	
32) 4-Terphenyl-d14	5.701	244	590444	2378.475	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	237.85%#	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.234	74	120110	2566.230	ng/mL	97
5) Bis(2-chloroethyl)ether	2.180	93	202555	2549.091	ng/ml	99
6) n-nitrosodi-n-propylamine	2.516	70	138605	2625.147	ng/ml	99
7) Hexachloroethane	2.566	117	89000	2455.380	ng/ml	100
10) Naphthalene	2.978	128	710184	2363.529	ng/ml	100
11) Hexachlorobutadiene	3.054	225	122041	2451.566	ng/ml	100
12) 2-Methylnaphthalene	3.358	142	440535	2512.046	ng/ml	99
13) 1-Methylnaphthalene	3.412	142	457867	2430.155	ng/ml	99
15) 2-Chloronaphthalene	3.626	162	492692	2503.306	ng/ml	100
16) 2,6-Dinitrotoluene	3.825	165	106270	2925.049	ng/ml	93
17) Acenaphthylene	3.855	152	814135	2616.364	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL9.D
 Acq On : 08 Sep 2025 07:17 pm
 Operator : SV125:ljb
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2112310,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 14:37:57 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:48 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

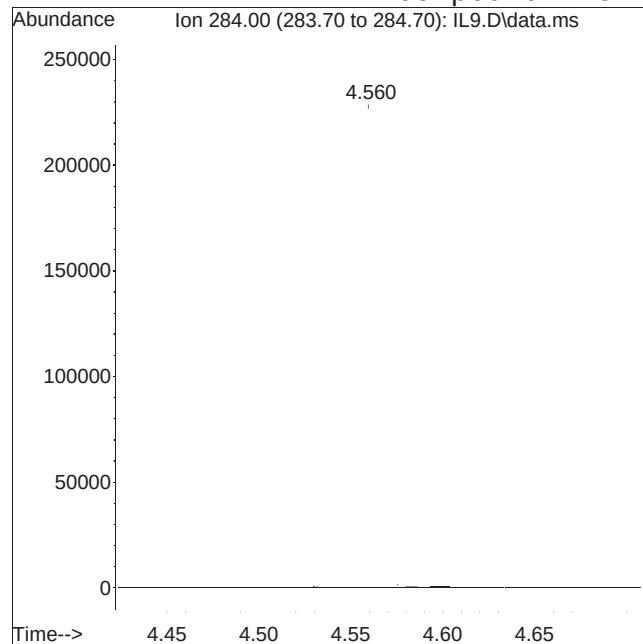
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.956	153	510262	2474.192	ng/ml	97
20)	2,4-Dinitrotoluene	4.051	165	142537	2587.182	ng/ml	96
21)	Fluorene	4.243	166	581938	2519.848	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.280	198	72019	2509.306	ng/ml	99
25)	Hexachlorobenzene	4.560	284	167415M6	2489.306	ng/ml	
26)	Pentachlorophenol	4.669	266	76658M6	2732.366	ng/ml	
27)	Phenanthrene	4.784	178	865687	2446.724	ng/ml	100
28)	Anthracene	4.814	178	844677	2502.509	ng/ml	99
29)	Fluoranthene	5.465	202	967381	2528.235	ng/ml	100
30)	Pyrene	5.598	202	982095	2500.736	ng/ml	100
31)	Benzydine	5.550	184	506261	2582.311	ng/mL	100
34)	Benzo[a]anthracene	6.329	226	254749	2591.606	ng/ml	98
35)	3,3'-Dichlorobenzidine	6.324	252	343542	2565.476	ng/ml	99
36)	Chrysene	6.351	228	847191	2609.609	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.375	149	528366	2593.893	ng/ml	100
39)	Benzo[b]fluoranthene	7.081	252	825251	2575.607	ng/ml	100
40)	Benzo[k]fluoranthene	7.104	252	858047	2642.749	ng/ml	99
41)	Benzo[a]pyrene	7.354	252	777887	2746.482	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.503	276	730713	2715.261	ng/ml	98
43)	Dibenzo[a,h]anthracene	8.541	278	703112M6	2635.116	ng/ml	
44)	Benzo[g,h,i]perylene	8.814	276	745744	2688.072	ng/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integration Report

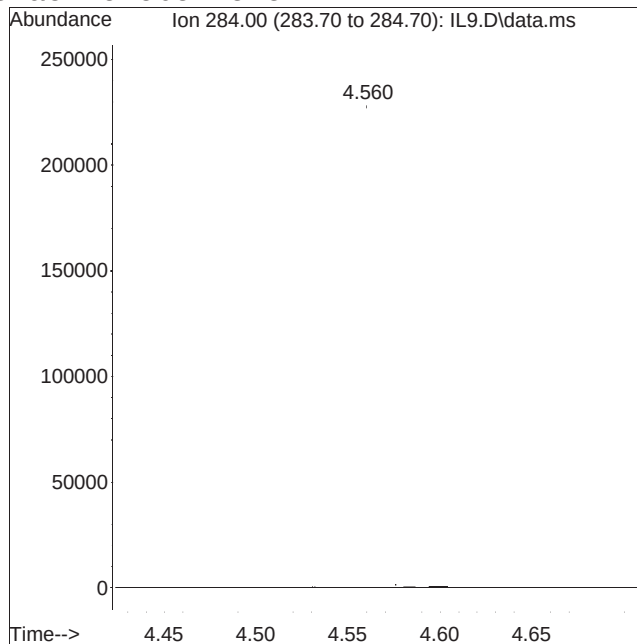
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL9.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 7:17 pm Instrument : SV125
Sample : IL9,32,,2.5 Lot# 11699 Quant Date : 9/9/2025 2:38 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 190450

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

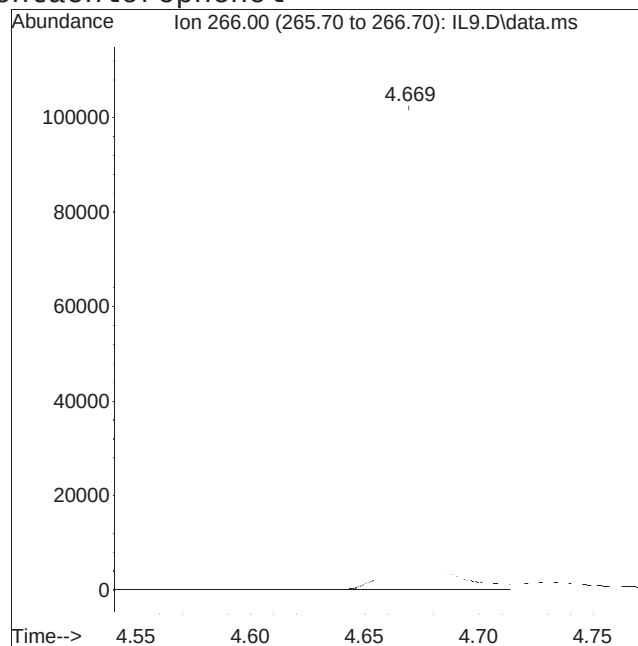
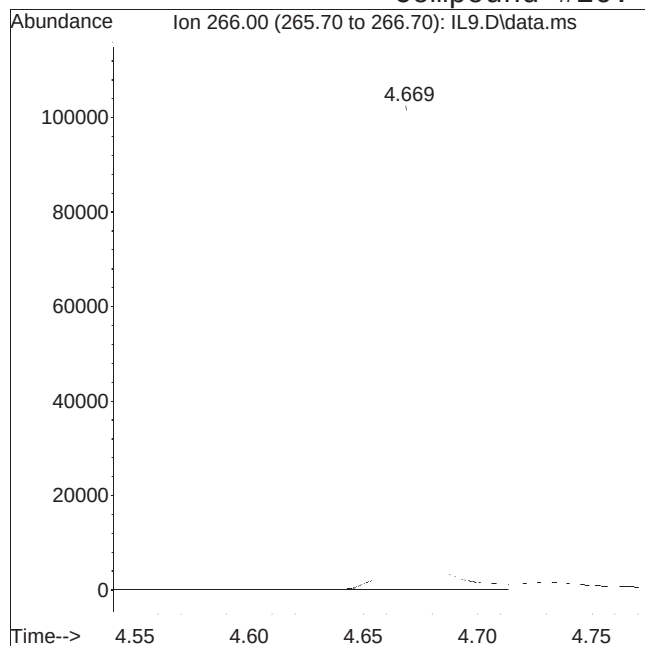


Manual Peak Response = 167415 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL9.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:17 pm Instrument : SV125
Sample : IL9,32,,2.5 Lot# 11699 Quant Date : 9/9/2025 2:38 pm

Compound #26: Pentachlorophenol



Original Peak Response = 76700

Manual Peak Response = 76658 M6

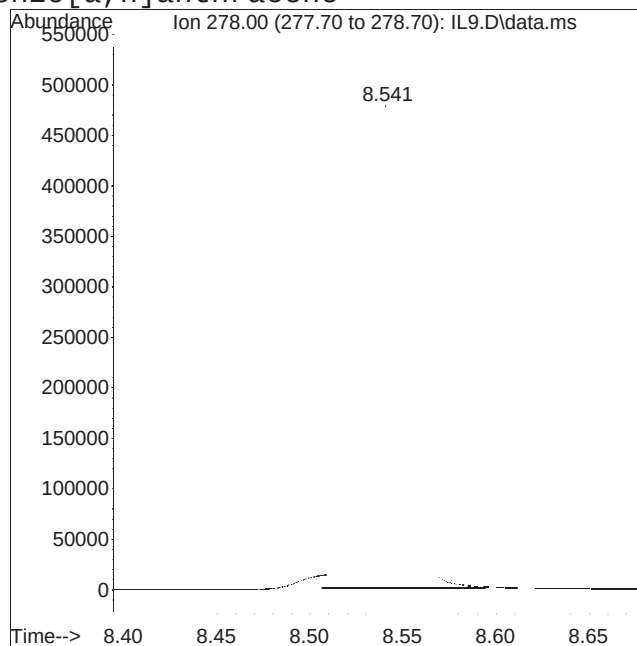
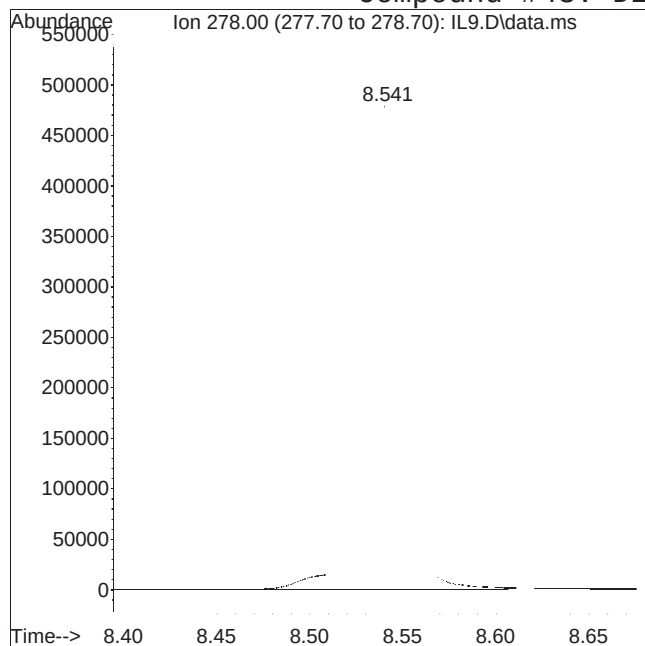
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : IL9.D
Date Inj'd : 9/8/2025 7:17 pm
Sample : IL9,32,,2.5 Lot# 11699

Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 728165

Manual Peak Response = 703112 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL8.D
 Acq On : 08 Sep 2025 07:34 pm
 Operator : SV125:ljb
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2112310,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 14:37:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.315	152	322973	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	100.00%	
9) Naphthalene-d8	2.973	136	1270390	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	100.00%	
18) Acenaphthene-d10	3.943	164	721721	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	100.00%	
23) Phenanthrene-d10	4.774	188	1394496	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	100.00%	
33) Chrysene-d12	6.325	240	1178823	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	100.00%	
38) Perylene-d12	7.401	264	1143832	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	100.00%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	85436	1071.242	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	53.56%	
4) Phenol-d6	2.135	99	105715	1072.919	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	53.65%	
8) Nitrobenzene-d5	2.593	82	85328	1084.483	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	108.45%	
14) 2-Fluorobiphenyl	3.570	172	252811	975.127	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	97.51%	
22) 2,4,6-Tribromophenol	4.382	330	30727	1145.145	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	57.26%	
32) 4-Terphenyl-d14	5.697	244	270694	968.617	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	96.86%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.237	74	53612	1024.567	ng/mL	100
5) Bis(2-chloroethyl)ether	2.185	93	91795	1033.292	ng/ml	100
6) n-nitrosodi-n-propylamine	2.518	70	60199	1019.825	ng/ml	100
7) Hexachloroethane	2.571	117	40117	989.963	ng/ml	100
10) Naphthalene	2.983	128	320031	952.666	ng/ml	100
11) Hexachlorobutadiene	3.059	225	55334	994.234	ng/ml	100
12) 2-Methylnaphthalene	3.362	142	197087	1005.226	ng/ml	100
13) 1-Methylnaphthalene	3.417	142	207136	983.352	ng/ml	100
15) 2-Chloronaphthalene	3.631	162	218566	993.298	ng/ml	100
16) 2,6-Dinitrotoluene	3.827	165	42907	1056.353	ng/ml	100
17) Acenaphthylene	3.860	152	362314	1041.467	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL8.D
 Acq On : 08 Sep 2025 07:34 pm
 Operator : SV125:ljj
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2112310,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 14:37:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.958	153	227989	988.097	ng/ml	100
20)	2,4-Dinitrotoluene	4.052	165	58418	961.336	ng/ml	100
21)	Fluorene	4.248	166	260096	1006.646	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.279	198	28771	913.011	ng/ml	100
25)	Hexachlorobenzene	4.561	284	75801	1001.180	ng/ml	100
26)	Pentachlorophenol	4.674	266	23993	965.360	ng/ml	100
27)	Phenanthrene	4.786	178	392866	986.329	ng/ml	100
28)	Anthracene	4.816	178	383338	1008.835	ng/ml	100
29)	Fluoranthene	5.463	202	430456	999.314	ng/ml	100
30)	Pyrene	5.594	202	450643	1019.296	ng/ml	100
31)	Benzidine	5.549	184	140999	852.385	ng/mL	100
34)	Benzo[a]anthracene	6.317	226	113005	995.753	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.311	252	145417	956.649	ng/ml	100
36)	Chrysene	6.339	228	388872	1038.823	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.363	149	208612	962.710	ng/ml	100
39)	Benzo[b]fluoranthene	7.068	252	360403	996.019	ng/ml	100
40)	Benzo[k]fluoranthene	7.091	252	387110	1055.760	ng/ml	100
41)	Benzo[a]pyrene	7.344	252	337538	1055.283	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.494	276	319931	1052.706	ng/ml	100
43)	Dibenzo[a,h]anthracene	8.528	278	311726M6	1034.509	ng/ml	
44)	Benzo[g,h,i]perylene	8.798	276	324900	1037.019	ng/ml	100

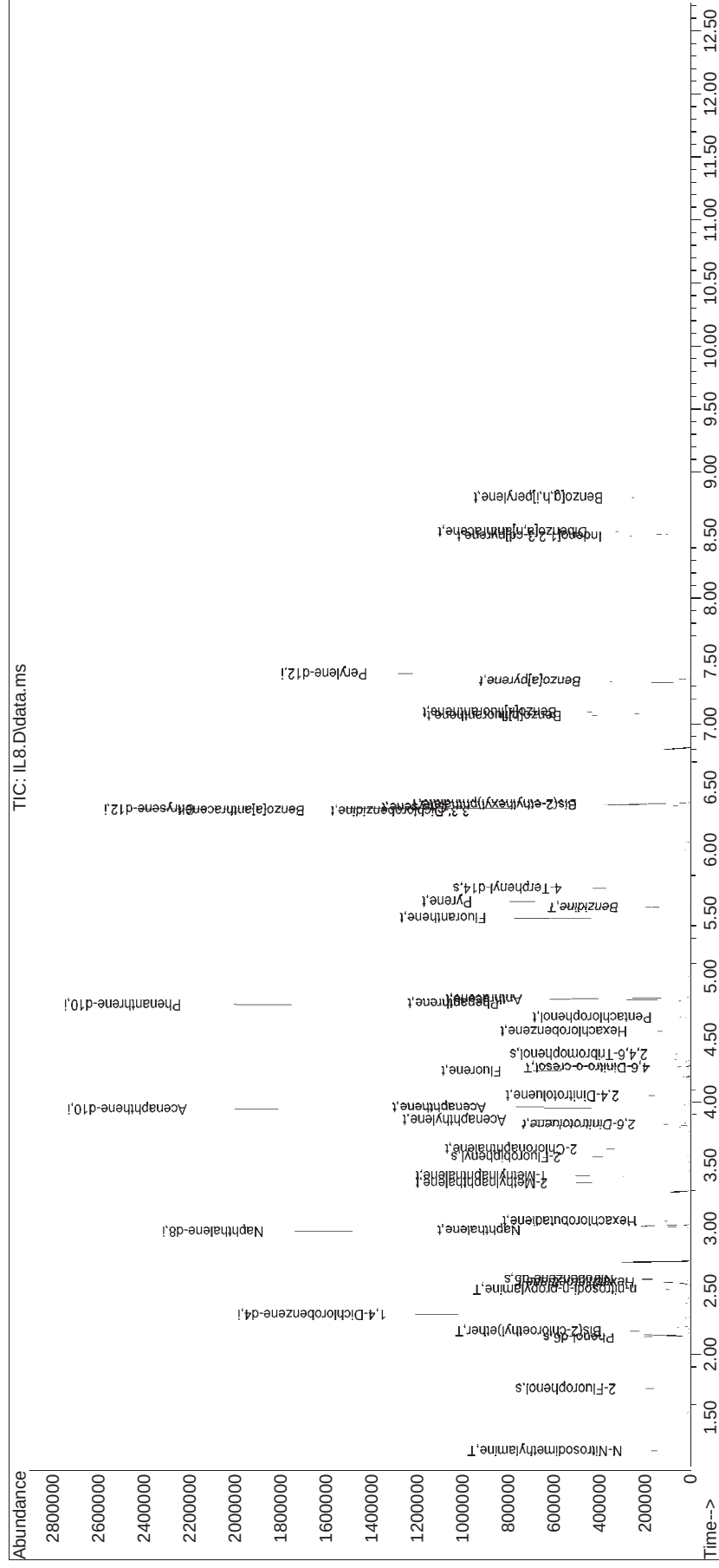
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL8.D
 Acq On : 08 Sep 2025 07:34 pm
 Operator : SV125:ljg
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2112310,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 14:37:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 14:38:21 2025
 Response via : Initial Calibration

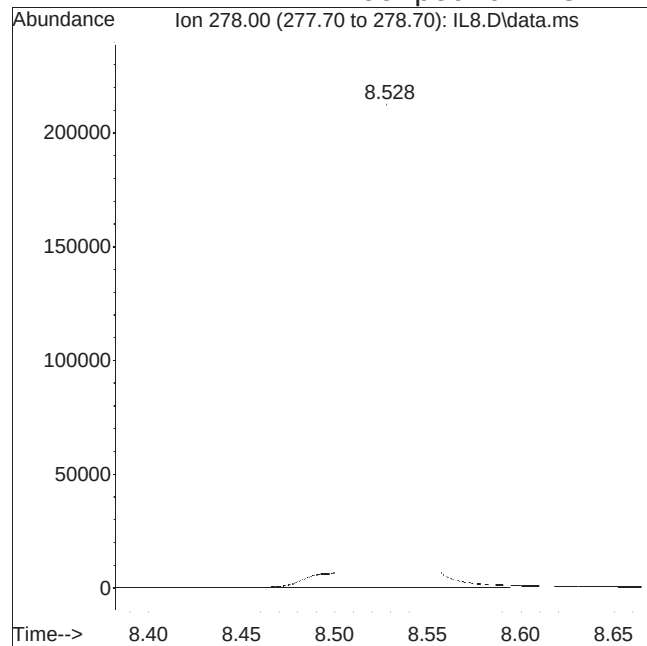
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

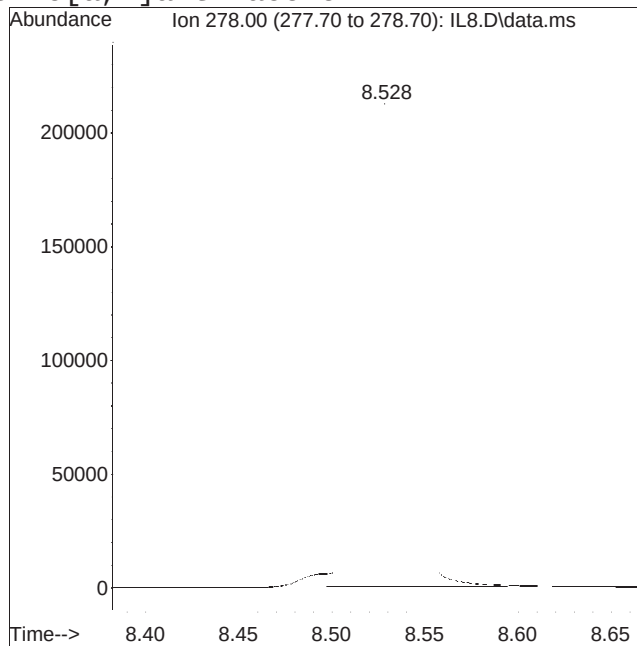
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL8.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:34 pm Instrument : SV125
Sample : IL8,32,,1 Lot# 11700 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 320655

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 311726 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL7.D
 Acq On : 08 Sep 2025 07:51 pm
 Operator : SV125:ljl
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2112310,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 14:37:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	362302	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	112.18%	
9) Naphthalene-d8	2.975	136	1427882	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	112.40%	
18) Acenaphthene-d10	3.944	164	806411	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	111.73%	
23) Phenanthrene-d10	4.775	188	1596200	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	114.46%	
33) Chrysene-d12	6.321	240	1398262	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	118.62%	
38) Perylene-d12	7.399	264	1366471	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	119.46%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	47708	533.253	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	26.66%	
4) Phenol-d6	2.139	99	59814	541.164	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	27.06%	
8) Nitrobenzene-d5	2.596	82	47952	543.292	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	54.33%	
14) 2-Fluorobiphenyl	3.571	172	148362	509.135	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	50.91%	
22) 2,4,6-Tribromophenol	4.384	330	17499	583.669	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	29.18%	
32) 4-Terphenyl-d14	5.695	244	165461	517.248	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	51.72%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.240	74	30696	522.944	ng/mL	97
5) Bis(2-chloroethyl)ether	2.186	93	52459	526.405	ng/ml	100
6) n-nitrosodi-n-propylamine	2.522	70	34065	514.447	ng/ml	100
7) Hexachloroethane	2.571	117	22928	504.373	ng/ml	100
10) Naphthalene	2.984	128	184492	488.620	ng/ml	100
11) Hexachlorobutadiene	3.061	225	31690	506.598	ng/ml	99
12) 2-Methylnaphthalene	3.364	142	112023	508.344	ng/ml	99
13) 1-Methylnaphthalene	3.419	142	119872	506.309	ng/ml	100
15) 2-Chloronaphthalene	3.632	162	125279	506.547	ng/ml	100
16) 2,6-Dinitrotoluene	3.828	165	23772	520.705	ng/ml	98
17) Acenaphthylene	3.862	152	208349	532.840	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL7.D
 Acq On : 08 Sep 2025 07:51 pm
 Operator : SV125:ljb
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2112310,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 14:37:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.959	153	132079	512.310	ng/ml	100
20)	2,4-Dinitrotoluene	4.054	165	31417	473.831	ng/ml	96
21)	Fluorene	4.250	166	151397	524.413	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.280	198	15219	440.727	ng/ml	99
25)	Hexachlorobenzene	4.563	284	44683M6	515.596	ng/ml	
26)	Pentachlorophenol	4.675	266	9674	382.367	ng/ml	99
27)	Phenanthrene	4.787	178	231245	507.201	ng/ml	100
28)	Anthracene	4.817	178	226968	521.835	ng/ml	100
29)	Fluoranthene	5.465	202	257694	522.646	ng/ml	100
30)	Pyrene	5.595	202	268034	529.648	ng/ml	100
31)	Benzidine	5.550	184	28485	384.085	ng/mL	99
34)	Benzo[a]anthracene	6.313	226	68400	507.133	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.307	252	83648	476.041	ng/ml#	98
36)	Chrysene	6.334	228	242250	545.580	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.359	149	117871	478.096	ng/ml	99
39)	Benzo[b]fluoranthene	7.066	252	229649	531.258	ng/ml	95
40)	Benzo[k]fluoranthene	7.086	252	227344	519.010	ng/ml	95
41)	Benzo[a]pyrene	7.339	252	204438	535.019	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.488	276	190325	524.214	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.523	278	191064M6	530.764	ng/ml	
44)	Benzo[g,h,i]perylene	8.796	276	196772	525.729	ng/ml	100

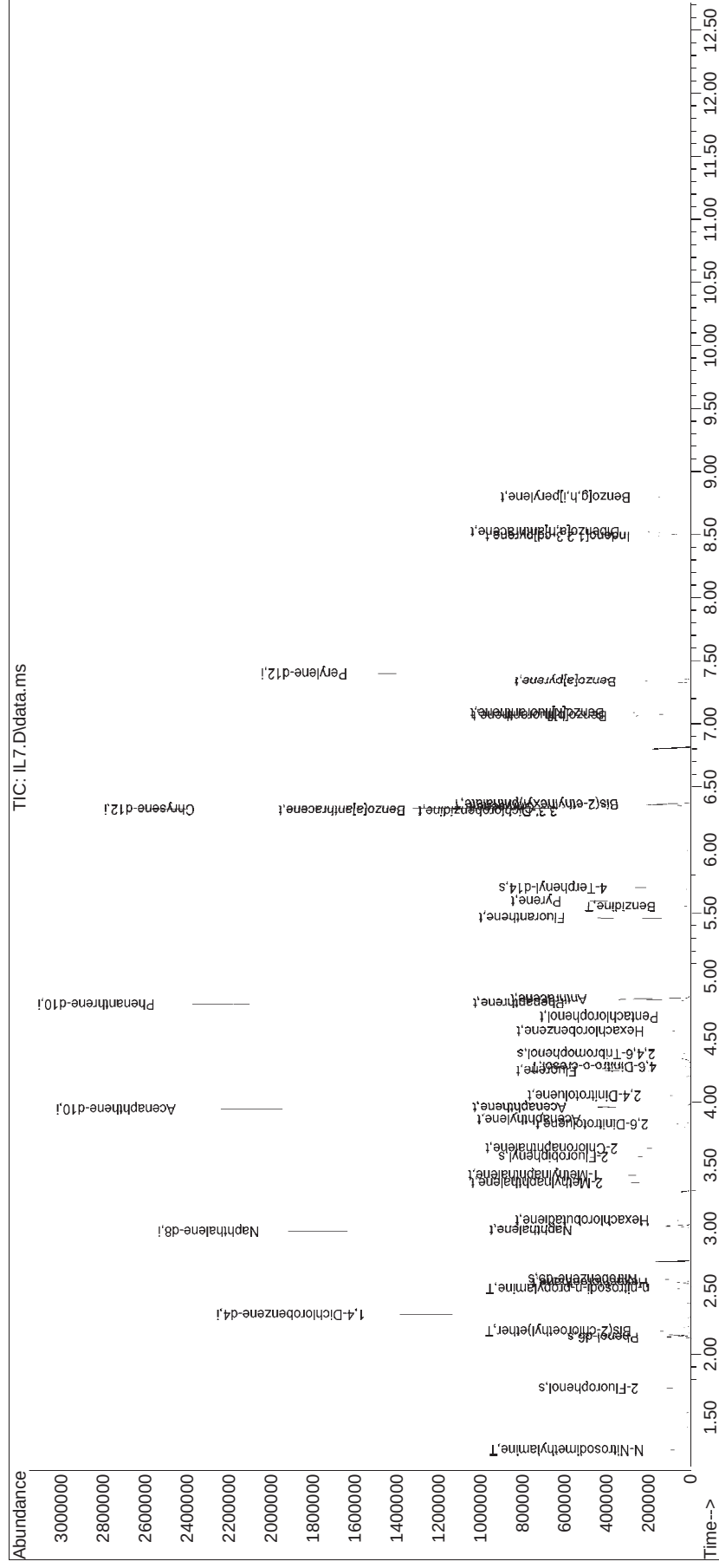
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL7.D
 Acq On : 08 Sep 2025 07:51 pm
 Operator : SV125:ljg
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2112310,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 14:37:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 14:38:14 2025
 Response via : Initial Calibration

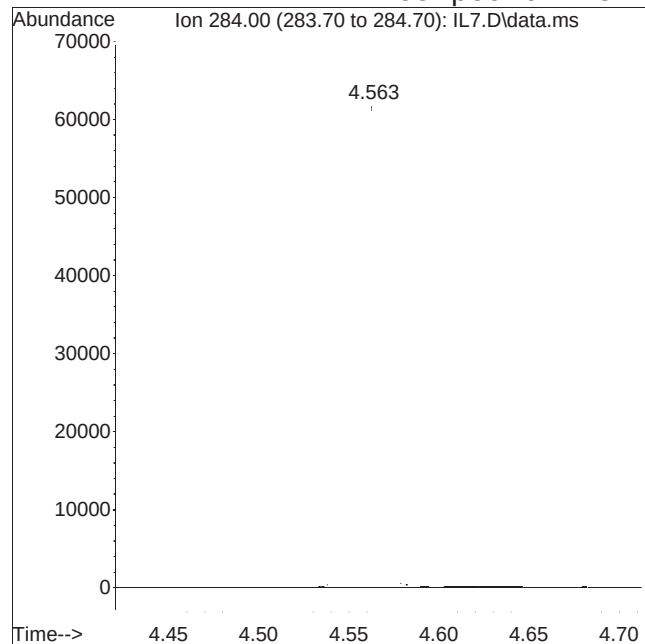
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

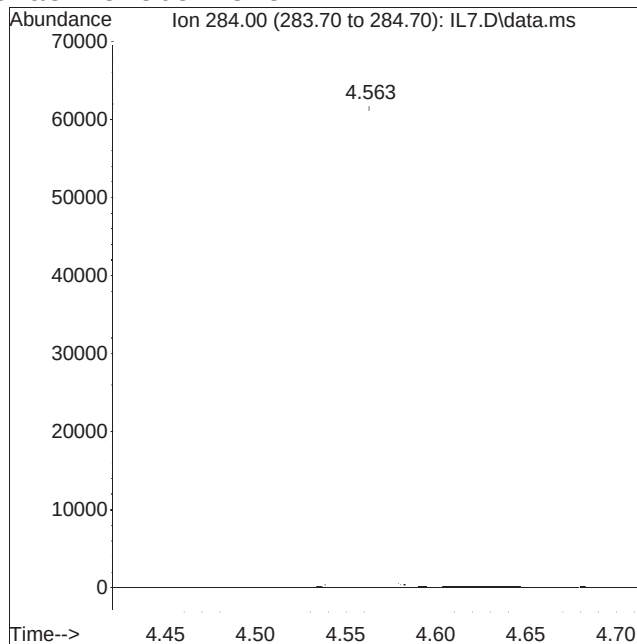
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL7.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 7:51 pm Instrument : SV125
Sample : IL7,32,,0.5 Lot# 11701 Quant Date : 9/9/2025 2:38 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 51019

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

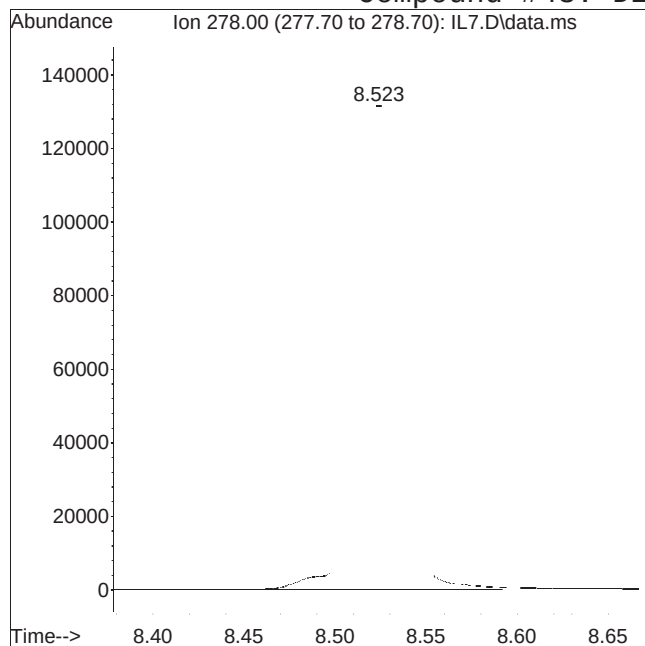


Manual Peak Response = 44683 M6

Manual Integration Report

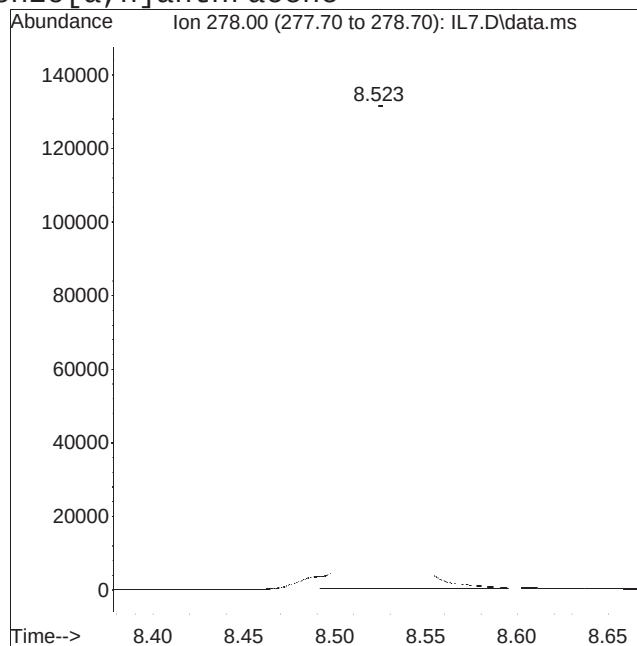
Data Path : I:\8270SIM\SV125\250908RVT\data.ms
Data File : IL7.D
Date Inj'd : 9/8/2025 7:51 pm
Sample : IL7,32,,0.5 Lot# 11701
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 196202

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 191064 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL6.D
 Acq On : 08 Sep 2025 08:07 pm
 Operator : SV125:ljl
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2112310,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 14:37:18 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	354143	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	109.65%	
9) Naphthalene-d8	2.974	136	1379638	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	108.60%	
18) Acenaphthene-d10	3.943	164	777509	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	107.73%	
23) Phenanthrene-d10	4.775	188	1537214	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	110.23%	
33) Chrysene-d12	6.320	240	1360183	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	115.38%	
38) Perylene-d12	7.395	264	1285896	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	112.42%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	8804	100.673	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	5.03%#	
4) Phenol-d6	2.139	99	10803	99.991	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	5.00%#	
8) Nitrobenzene-d5	2.596	82	8609	99.786	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	9.98%#	
14) 2-Fluorobiphenyl	3.570	172	28625	101.668	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	10.17%#	
22) 2,4,6-Tribromophenol	4.386	330	2815	97.383	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	4.87%#	
32) 4-Terphenyl-d14	5.695	244	30578	99.258	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	9.93%#	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.246	74	5710	99.518	ng/mL	97
5) Bis(2-chloroethyl)ether	2.188	93	9480M6	97.320	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	6146	94.955	ng/ml	99
7) Hexachloroethane	2.574	117	4337	97.604	ng/ml	100
10) Naphthalene	2.984	128	35545	97.431	ng/ml	100
11) Hexachlorobutadiene	3.060	225	6092	100.793	ng/ml	100
12) 2-Methylnaphthalene	3.363	142	20886	98.092	ng/ml	100
13) 1-Methylnaphthalene	3.418	142	23108	101.015	ng/ml	97
15) 2-Chloronaphthalene	3.631	162	23945	100.204	ng/ml	100
16) 2,6-Dinitrotoluene	3.827	165	3726	84.469	ng/ml	96
17) Acenaphthylene	3.861	152	37194	98.448	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL6.D
 Acq On : 08 Sep 2025 08:07 pm
 Operator : SV125:ljj
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2112310,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 14:37:18 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.962	153	25100	100.977	ng/ml	93
20)	2,4-Dinitrotoluene	4.053	165	4520	88.952	ng/ml#	82
21)	Fluorene	4.249	166	27702	99.522	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.283	198	1966	89.383	ng/ml	95
25)	Hexachlorobenzene	4.562	284	8419	100.874	ng/ml	99
26)	Pentachlorophenol	4.677	266	674	45.762	ng/ml	98
27)	Phenanthrene	4.787	178	43975	100.154	ng/ml	95
28)	Anthracene	4.816	178	41443	98.940	ng/ml	100
29)	Fluoranthene	5.464	202	46778	98.514	ng/ml	99
30)	Pyrene	5.594	202	48279	99.062	ng/ml	99
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.312	226	12760	95.617	ng/ml	93
35)	3,3'-Dichlorobenzidine	6.304	252	11788	89.069	ng/ml#	90
36)	Chrysene	6.334	228	45708	105.823	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.356	149	17131	88.706	ng/ml	100
39)	Benzo[b]fluoranthene	7.062	252	39139	96.216	ng/ml	95
40)	Benzo[k]fluoranthene	7.085	252	41235	100.035	ng/ml	96
41)	Benzo[a]pyrene	7.335	252	34972	97.257	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.485	276	32167	94.149	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.523	278	32637M6	96.345	ng/ml	
44)	Benzo[g,h,i]perylene	8.790	276	34327	97.461	ng/ml	99

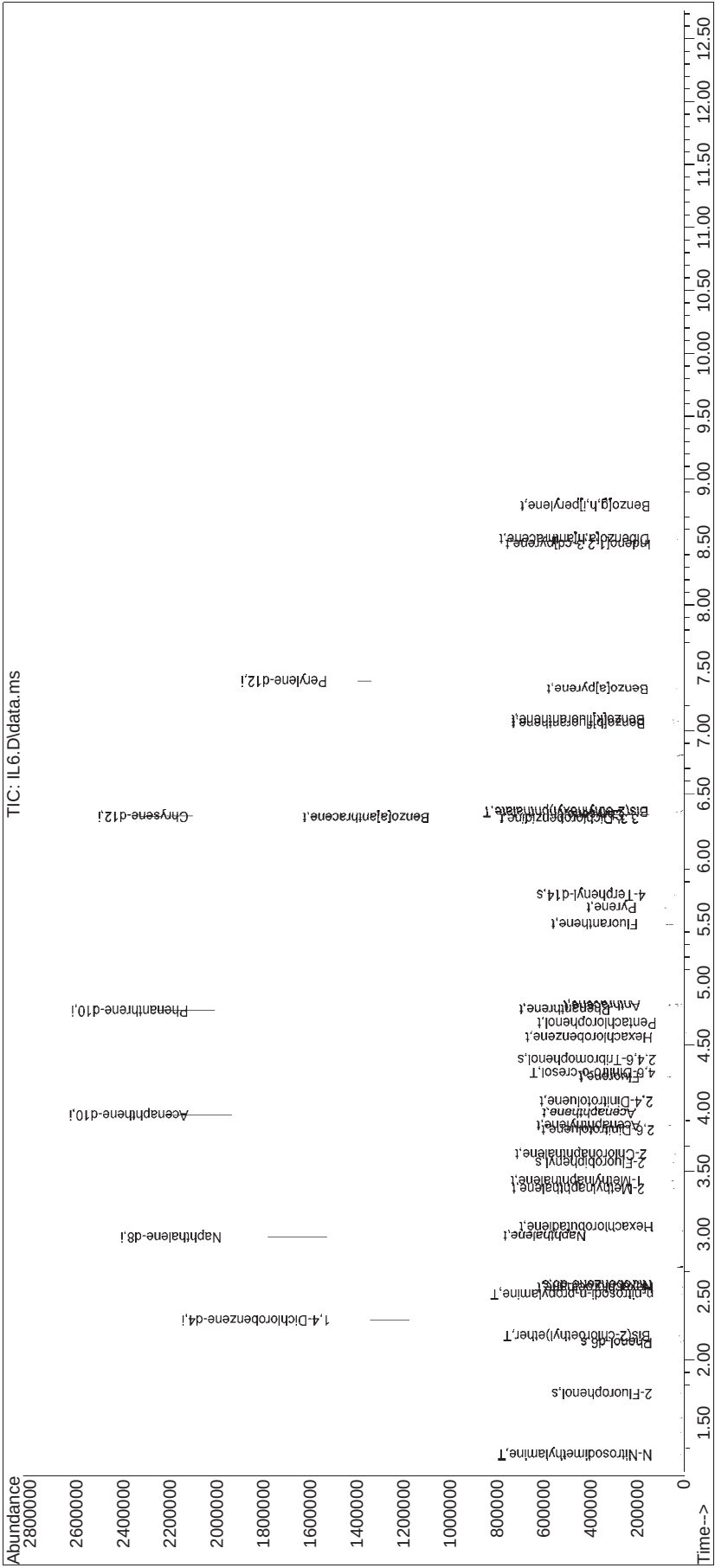
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL6.D
Acq On : 08 Sep 2025 08:07 pm
Operator : SV125:ljj
Sample : IL6,32,,0.1 Lot# 11702
Misc : WG2112310,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 14:37:18 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:38:09 2025
Response via : Initial Calibration

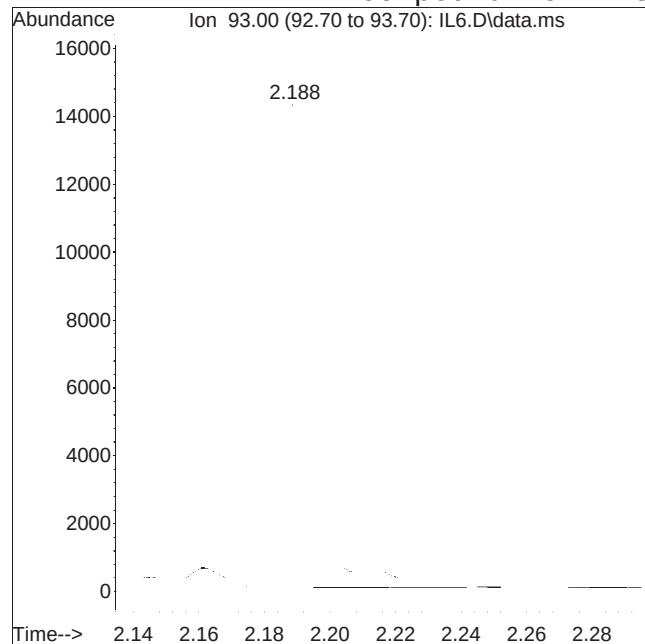
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

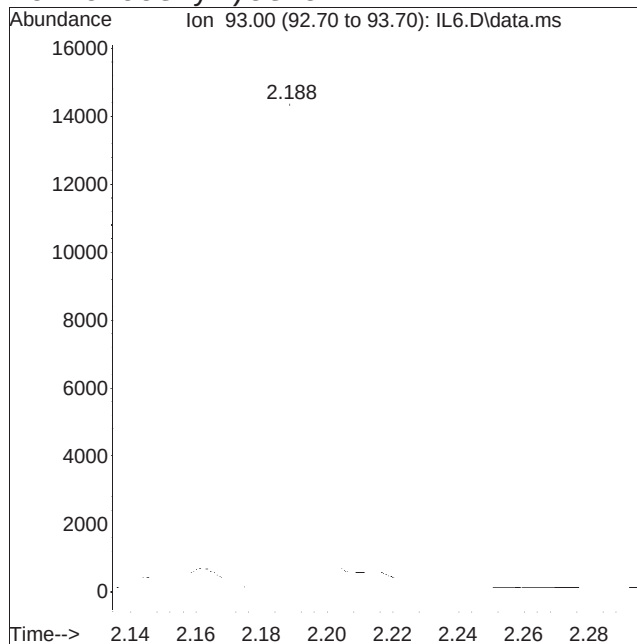
Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL6.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 8:07 pm Instrument : SV125
Sample : IL6,32,,0.1 Lot# 11702 Quant Date : 9/9/2025 2:38 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 9955

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

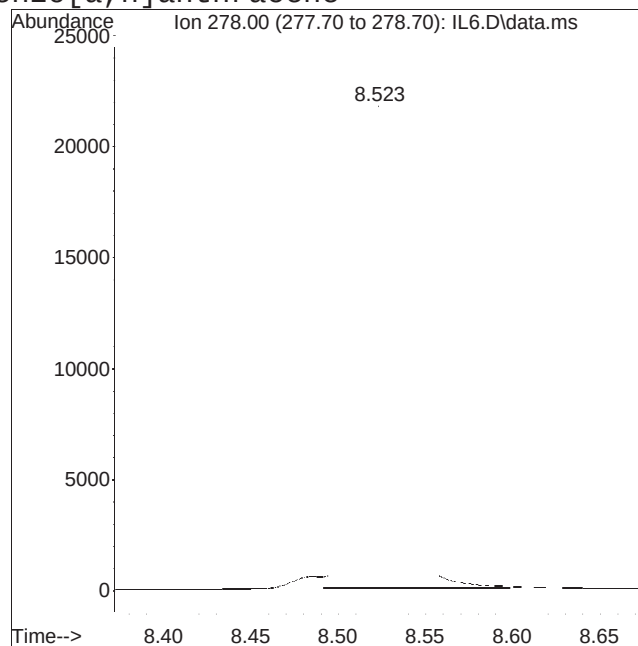
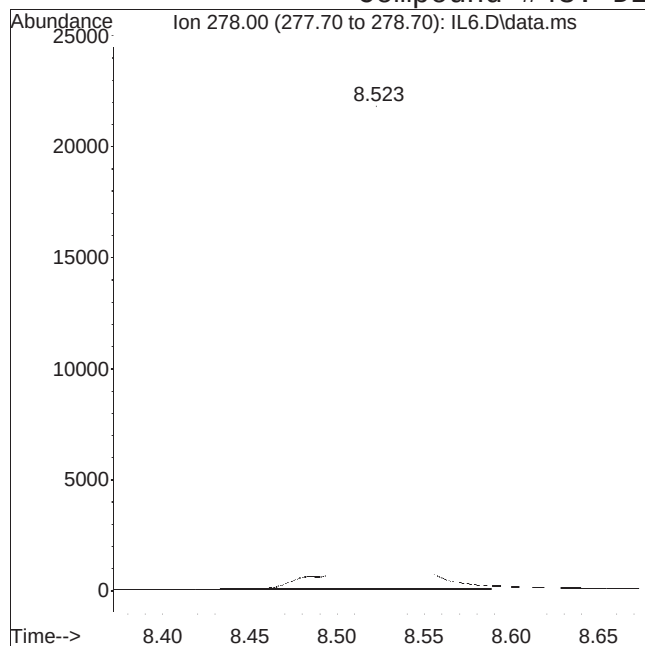


Manual Peak Response = 9480 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL6.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 8:07 pm Instrument : SV125
Sample : IL6,32,,0.1 Lot# 11702 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 33549

Manual Peak Response = 32637 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL5.D
 Acq On : 08 Sep 2025 08:24 pm
 Operator : SV125:ljj
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2112310,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 14:46:41 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:02 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	464623	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 143.86%			
9) Naphthalene-d8	2.973	136	1819490	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 143.22%			
18) Acenaphthene-d10	3.943	164	1030601	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 142.80%			
23) Phenanthrene-d10	4.777	188	2026553	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 145.33%			
33) Chrysene-d12	6.320	240	1783810	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 151.32%			
38) Perylene-d12	7.397	264	1688526	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 147.62%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	4459	38.864	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.94%#			
4) Phenol-d6	2.139	99	5655	39.896	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.99%#			
8) Nitrobenzene-d5	2.596	82	4465	39.447	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.94%#			
14) 2-Fluorobiphenyl	3.573	172	15286	41.167	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.12%#			
22) 2,4,6-Tribromophenol	4.386	330	1360	35.494	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.77%#			
32) 4-Terphenyl-d14	5.697	244	16370	40.307	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.03%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.250	74	2966M4	39.402	ng/mL	
5) Bis(2-chloroethyl)ether	2.189	93	5105M6	39.945	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	3257	38.355	ng/ml	99
7) Hexachloroethane	2.574	117	2311	39.642	ng/ml	99
10) Naphthalene	2.986	128	19016	39.523	ng/ml	99
11) Hexachlorobutadiene	3.059	225	3213	40.308	ng/ml	100
12) 2-Methylnaphthalene	3.365	142	11088	39.486	ng/ml	99
13) 1-Methylnaphthalene	3.417	142	12321	40.840	ng/ml	97
15) 2-Chloronaphthalene	3.634	162	12734	40.406	ng/ml	100
16) 2,6-Dinitrotoluene	3.830	165	1872	32.179	ng/ml	98
17) Acenaphthylene	3.860	152	19582	39.301	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL5.D
 Acq On : 08 Sep 2025 08:24 pm
 Operator : SV125:ljb
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2112310,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 14:46:41 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:02 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.961	153	13442	40.797	ng/ml	89
20)	2,4-Dinitrotoluene	4.056	165	2251	46.809	ng/ml	86
21)	Fluorene	4.248	166	14590	39.544	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.282	198	775	51.229	ng/ml	97
25)	Hexachlorobenzene	4.564	284	4507M6	40.962	ng/ml	
26)	Pentachlorophenol	4.677	266	151	22.667	ng/ml	90
27)	Phenanthrene	4.789	178	24389	42.134	ng/ml#	87
28)	Anthracene	4.816	178	22133	40.081	ng/ml	100
29)	Fluoranthene	5.464	202	24790	39.601	ng/ml	100
30)	Pyrene	5.594	202	25541	39.753	ng/ml	100
31)	Benzydine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.314	226	6794M6	37.617	ng/ml	
35)	3,3'-Dichlorobenzidine	6.306	252	5522	46.929	ng/ml#	71
36)	Chrysene	6.333	228	23314	41.158	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.355	149	8870	46.513	ng/ml	100
39)	Benzo[b]fluoranthene	7.061	252	20170	37.761	ng/ml	95
40)	Benzo[k]fluoranthene	7.084	252	21387	39.513	ng/ml	95
41)	Benzo[a]pyrene	7.337	252	17958	38.033	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	8.487	276	16550	36.890	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.522	278	16550M1	37.206	ng/ml	
44)	Benzo[g,h,i]perylene	8.792	276	17367	37.551	ng/ml	100

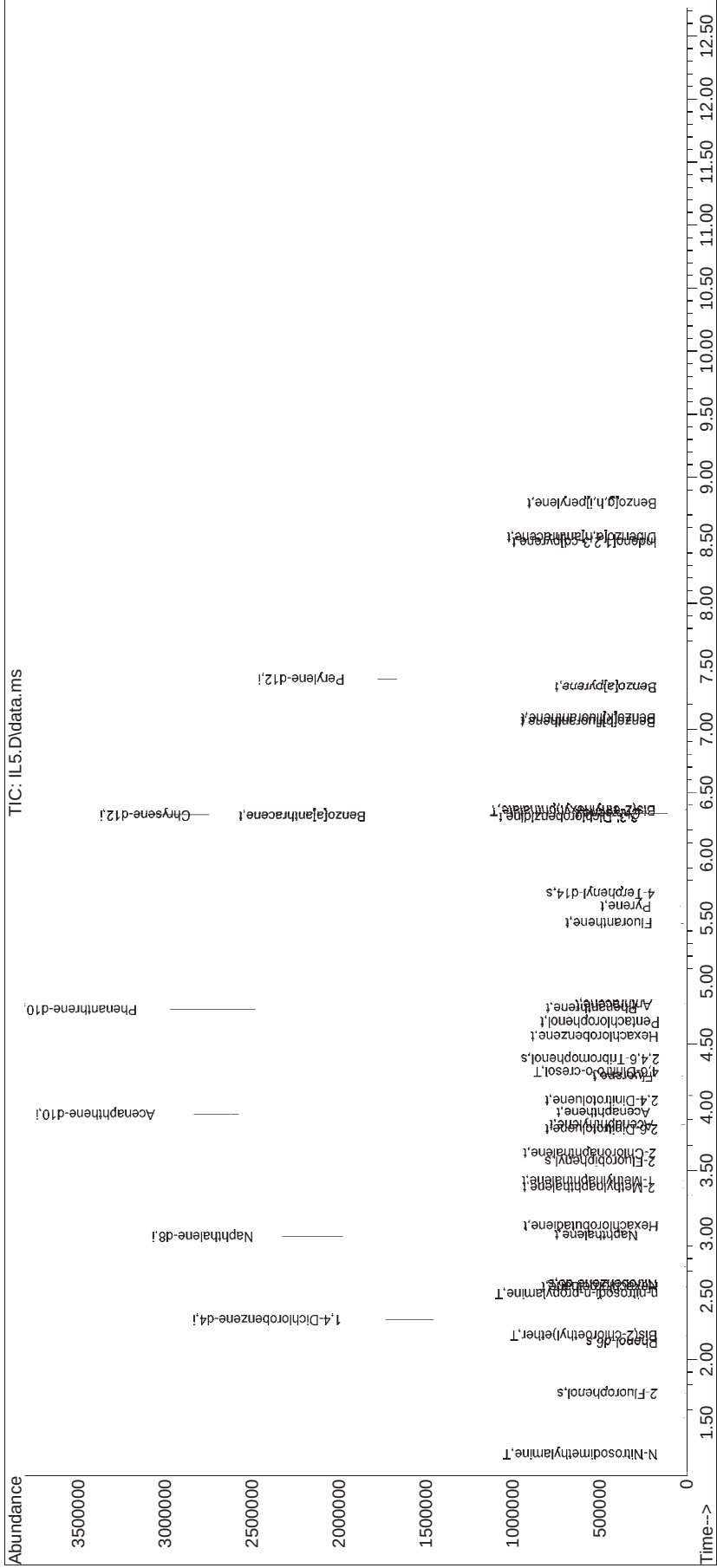
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL5.D
Acq On : 08 Sep 2025 08:24 pm
Operator : SV125:ljj
Sample : IL5,32,,0.04 Lot# 11703
Misc : WG2112310,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 14:46:41 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:38:02 2025
Response via : Initial Calibration

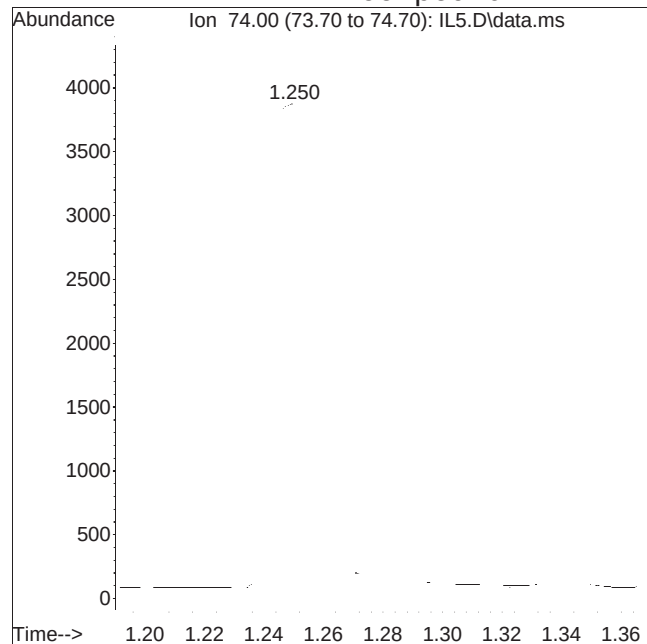
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

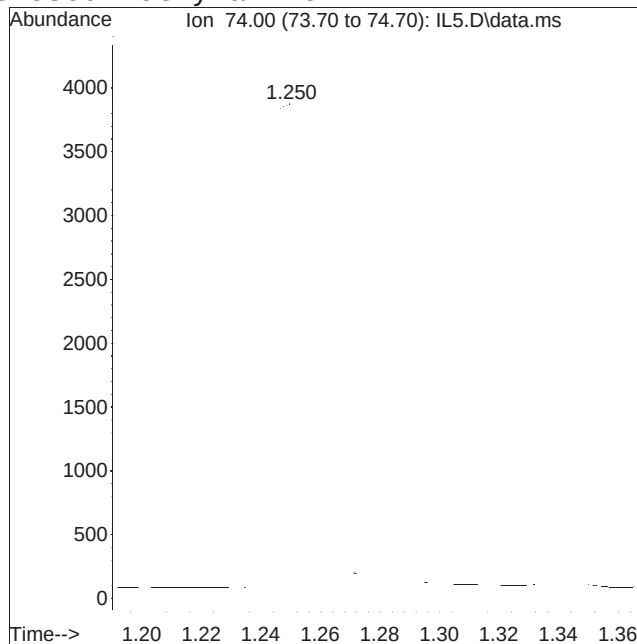
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL5.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 2966

M4 = Poor automated baseline construction.

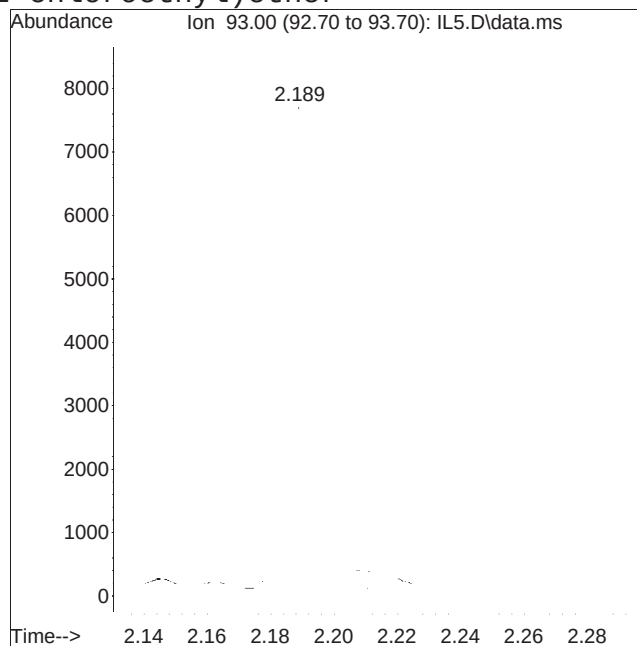
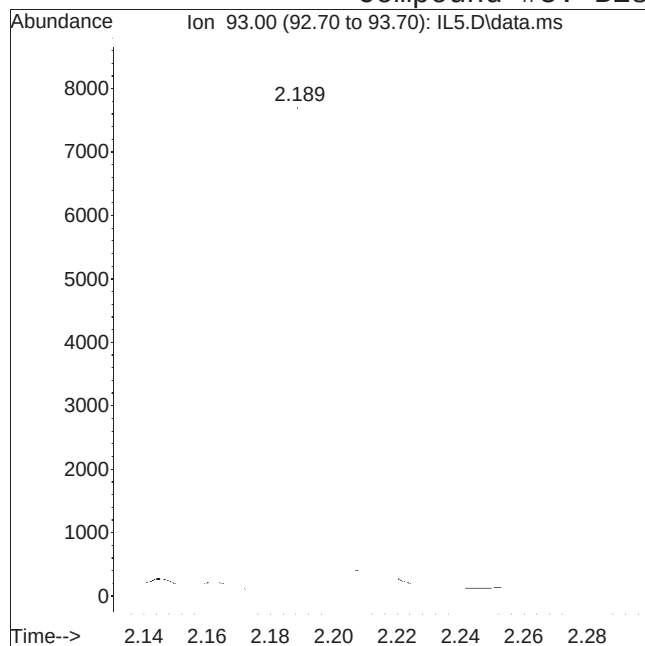


Manual Peak Response = 2966 M4

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL5.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 5322

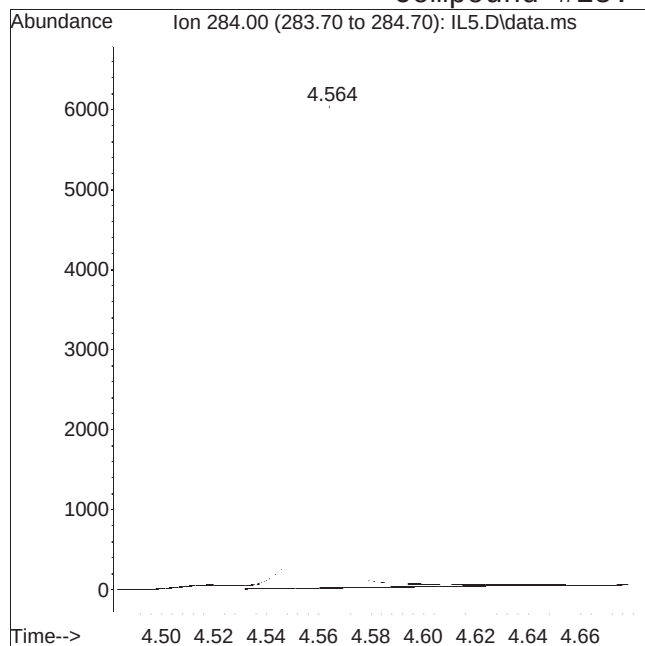
Manual Peak Response = 5105 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

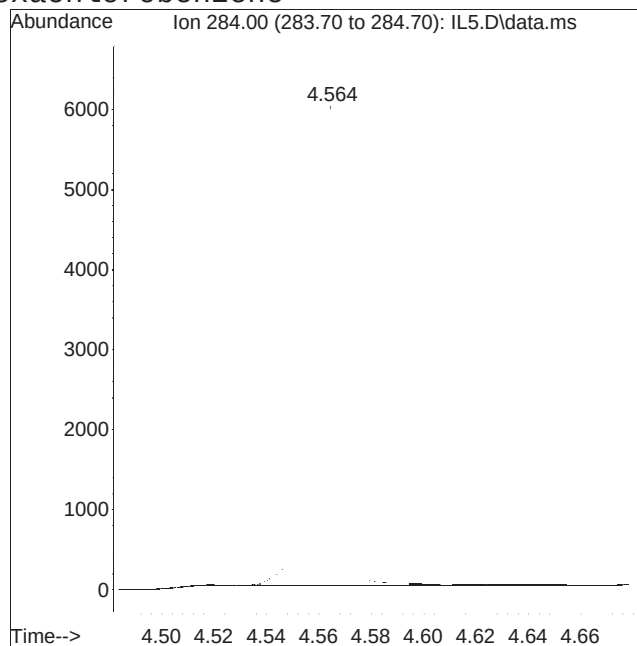
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT_001.M
Data File : IL5.D
Date Inj'd : 9/8/2025 8:24 pm
Sample : IL5,32,,0.04 Lot# 11703
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:38 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 4628



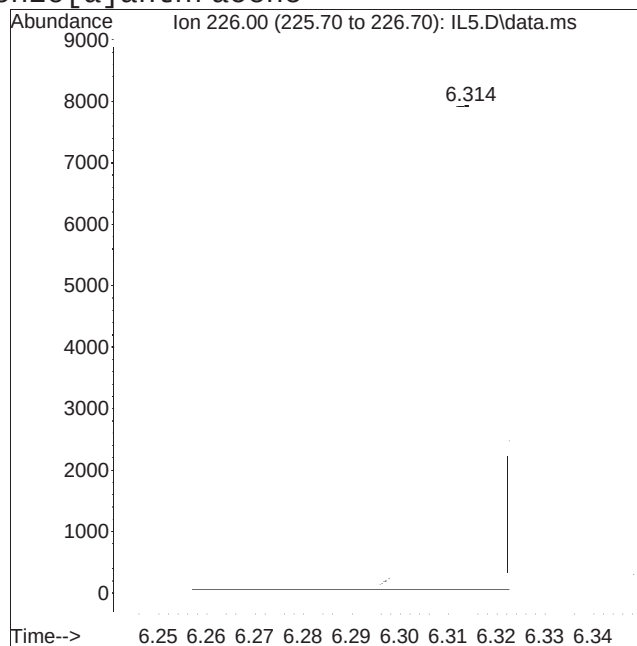
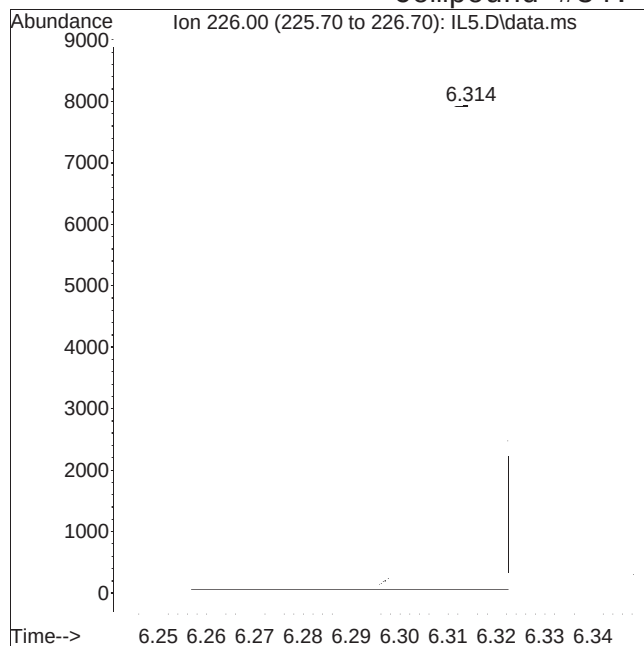
Manual Peak Response = 4507 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL5.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #34: Benzo[a]anthracene



Original Peak Response = 6794

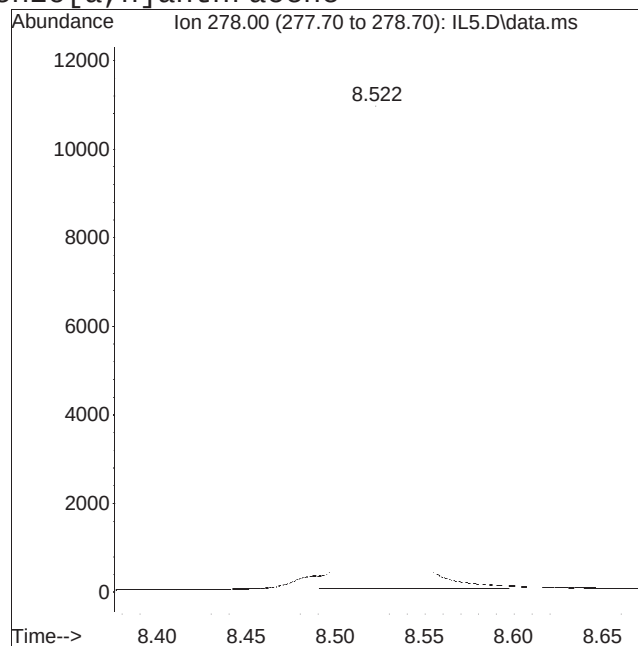
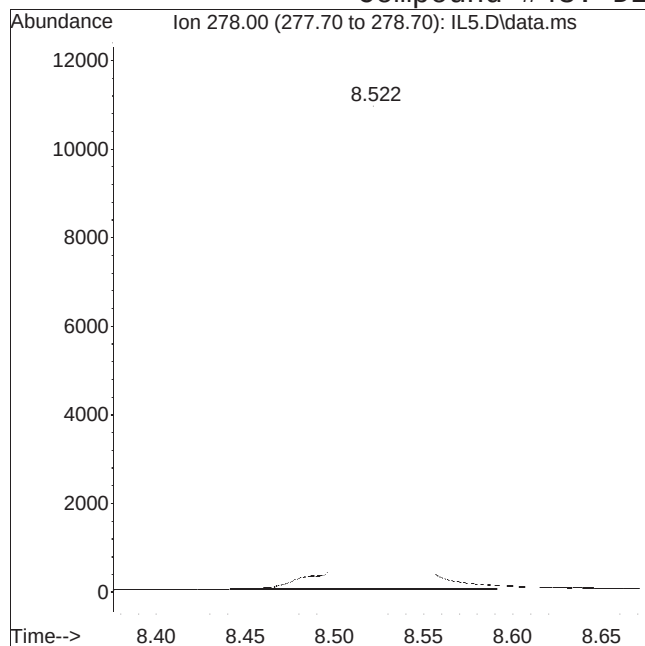
Manual Peak Response = 6794 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL5.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 16926

Manual Peak Response = 16550 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL4.D
 Acq On : 08 Sep 2025 08:41 pm
 Operator : SV125:ljj
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2112310,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 14:45:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:56 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	421517	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 130.51%			
9) Naphthalene-d8	2.974	136	1640647	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 129.15%			
18) Acenaphthene-d10	3.944	164	929612	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 128.80%			
23) Phenanthrene-d10	4.775	188	1813881	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 130.07%			
33) Chrysene-d12	6.318	240	1590467	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 134.92%			
38) Perylene-d12	7.399	264	1480752	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 129.46%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	1009	9.694	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.48%#			
4) Phenol-d6	2.139	99	1202	9.347	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.47%#			
8) Nitrobenzene-d5	2.599	82	957	9.320	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.93%#			
14) 2-Fluorobiphenyl	3.571	172	3539	10.570	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.06%#			
22) 2,4,6-Tribromophenol	4.384	330	259	7.494	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.37%#			
32) 4-Terphenyl-d14	5.695	244	3647	10.033	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.00%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.253	74	653M4	9.562	ng/mL	
5) Bis(2-chloroethyl)ether	2.188	93	1098M6	9.470	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	751	9.748	ng/ml	91
7) Hexachloroethane	2.574	117	531	10.040	ng/ml	100
10) Naphthalene	2.984	128	4471	10.306	ng/ml#	96
11) Hexachlorobutadiene	3.061	225	733	10.198	ng/ml	100
12) 2-Methylnaphthalene	3.364	142	2521	9.956	ng/ml	99
13) 1-Methylnaphthalene	3.418	142	2796	10.278	ng/ml	98
15) 2-Chloronaphthalene	3.632	162	2863	10.075	ng/ml	100
16) 2,6-Dinitrotoluene	3.828	165	431M6	8.216	ng/ml	
17) Acenaphthylene	3.861	152	4370	9.727	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL4.D
 Acq On : 08 Sep 2025 08:41 pm
 Operator : SV125:ljb
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2112310,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 14:45:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:56 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.959	153	3161	10.636	ng/ml	83
20)	2,4-Dinitrotoluene	4.054	165	567	28.530	ng/ml	98
21)	Fluorene	4.249	166	3309	9.943	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.286	198	79	36.807	ng/ml#	32
25)	Hexachlorobenzene	4.563	284	1024M6	10.398	ng/ml	
26)	Pentachlorophenol	4.675	266	107	21.678	ng/ml	89
27)	Phenanthrene	4.787	178	5459M1	10.537	ng/ml	
28)	Anthracene	4.817	178	4814M6	9.740	ng/ml	
29)	Fluoranthene	5.462	202	5576	9.952	ng/ml	100
30)	Pyrene	5.592	202	5733	9.969	ng/ml	99
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.313	226	1727	9.277	ng/ml#	2
35)	3,3'-Dichlorobenzidine	6.304	252	772	27.184	ng/ml#	1
36)	Chrysene	6.332	228	5032	9.963	ng/ml	97
37)	Bis(2-ethylhexyl)phtha...	6.356	149	2154	26.429	ng/ml	98
39)	Benzo[b]fluoranthene	7.062	252	4457	9.515	ng/ml	96
40)	Benzo[k]fluoranthene	7.082	252	4581	9.651	ng/ml	96
41)	Benzo[a]pyrene	7.335	252	3860	9.322	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.485	276	3626	9.216	ng/ml	100
43)	Dibenzo[a,h]anthracene	8.523	278	3491M6	8.949	ng/ml	
44)	Benzo[g,h,i]perylene	8.790	276	3786	9.335	ng/ml	99

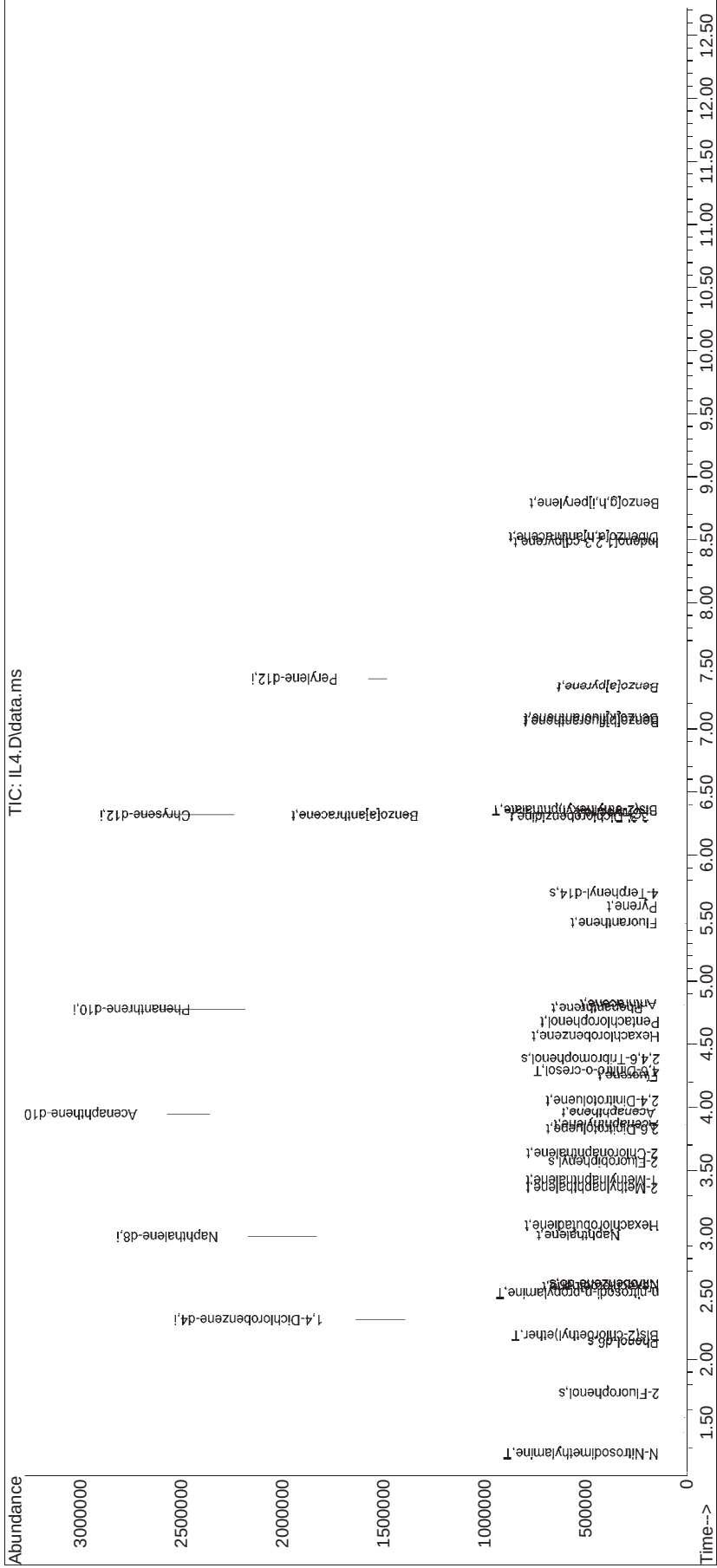
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL4.D
Acq On : 08 Sep 2025 08:41 pm
Operator : SV125:ljg
Sample : IL4,32,,0.01 Lot# 11704
Misc : WG2112310,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 14:45:51 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:37:56 2025
Response via : Initial Calibration

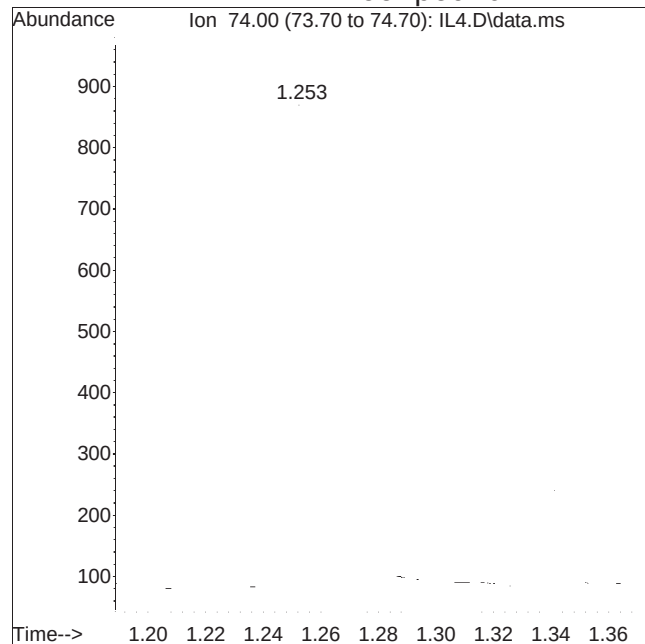
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

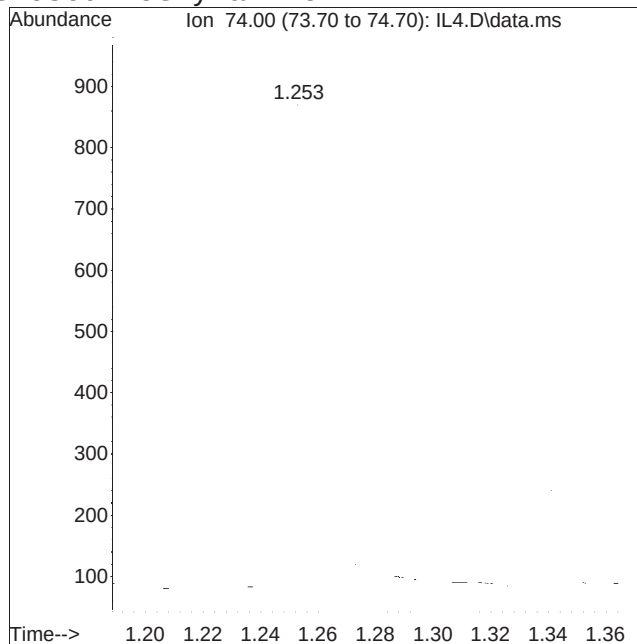
Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL4.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 653

M4 = Poor automated baseline construction.

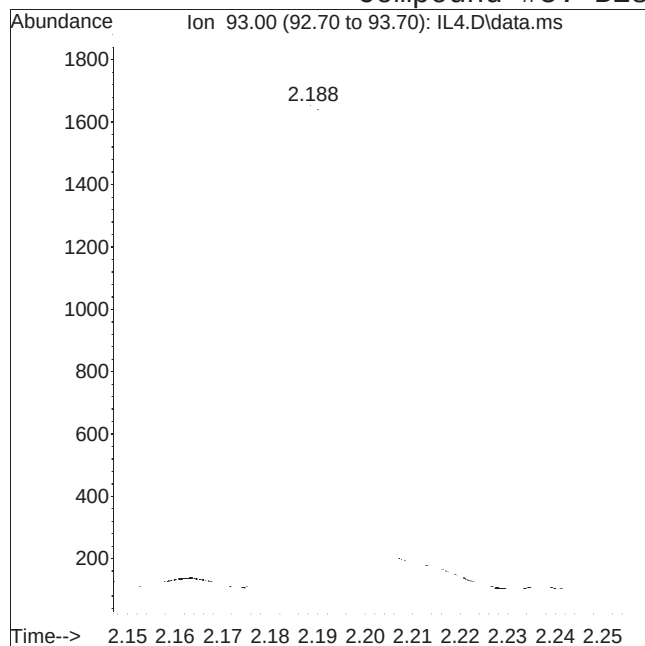


Manual Peak Response = 653 M4

Manual Integration Report

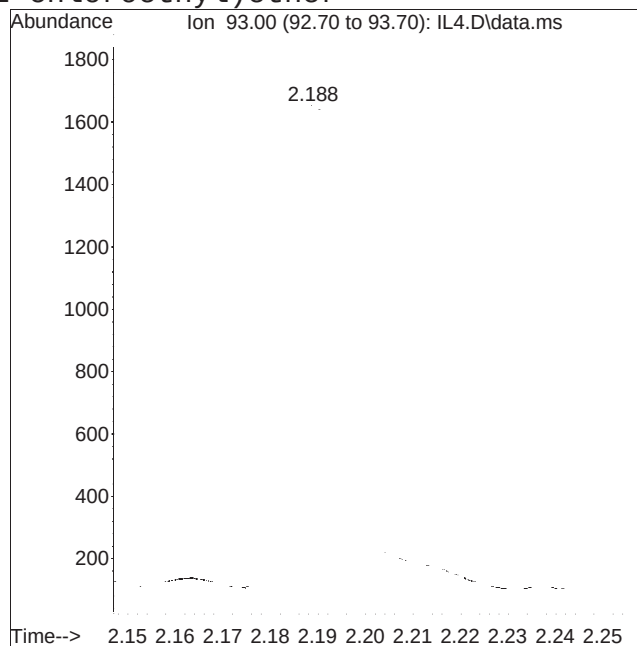
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL4.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 1146

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

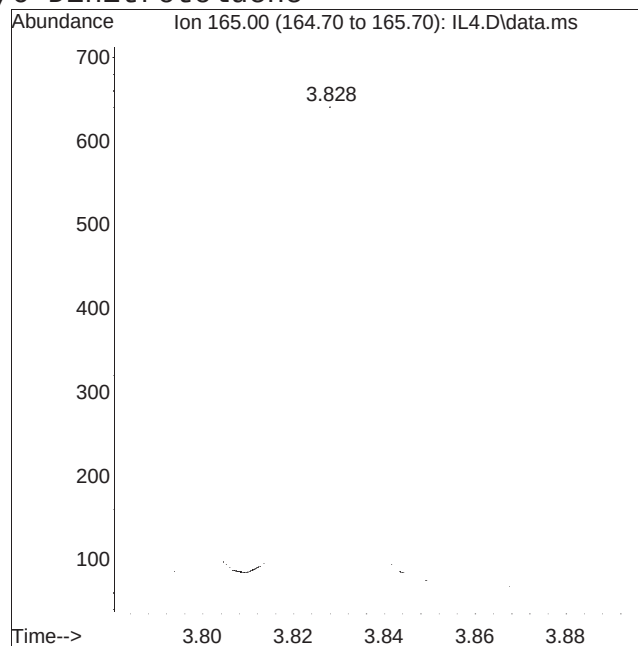
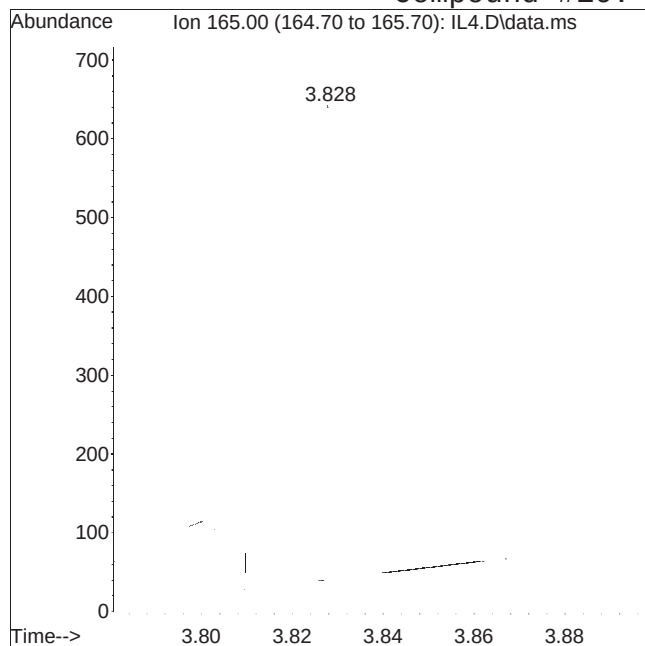


Manual Peak Response = 1098 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\data.ms
Data File : IL4.D
Date Inj'd : 9/8/2025 8:41 pm
Sample : IL4,32,,0.01 Lot# 11704
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 497

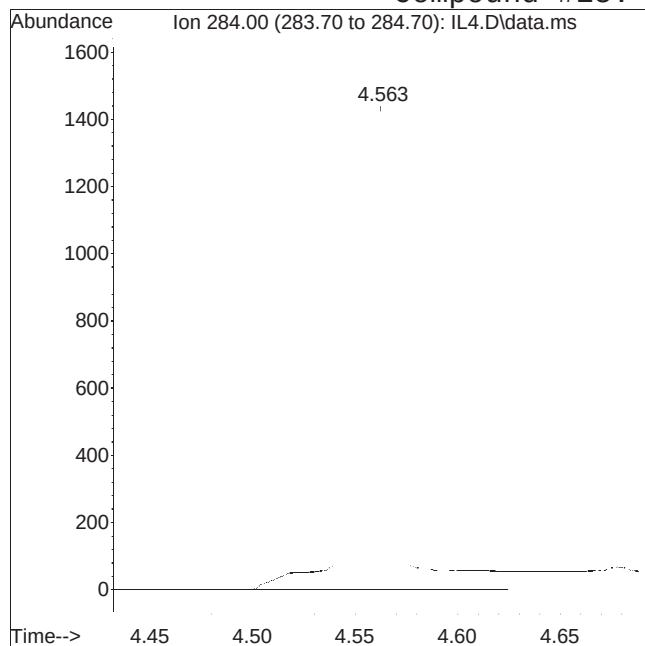
Manual Peak Response = 431 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

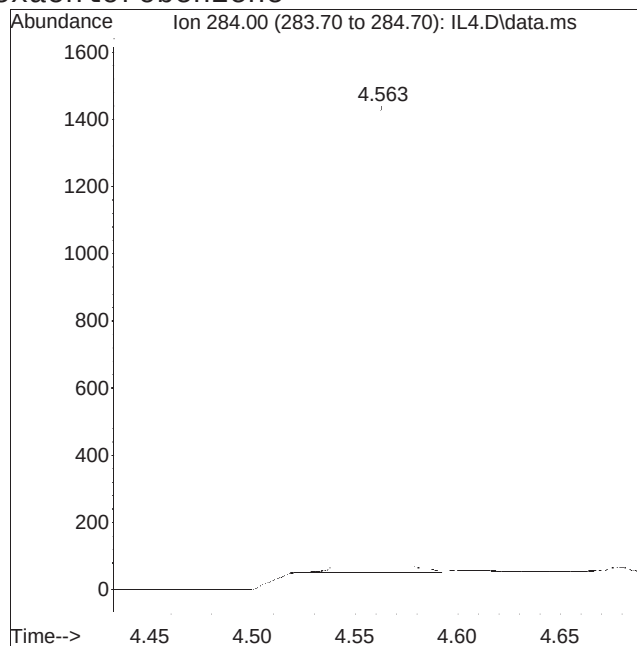
Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL4.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 1568

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

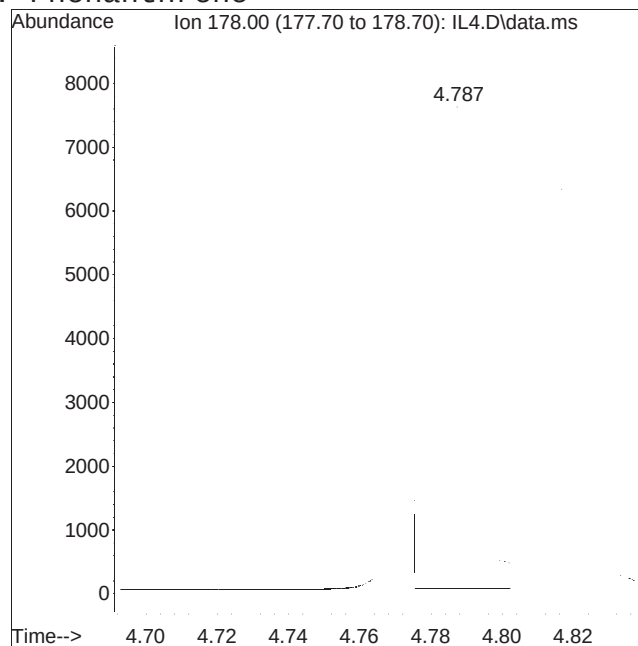
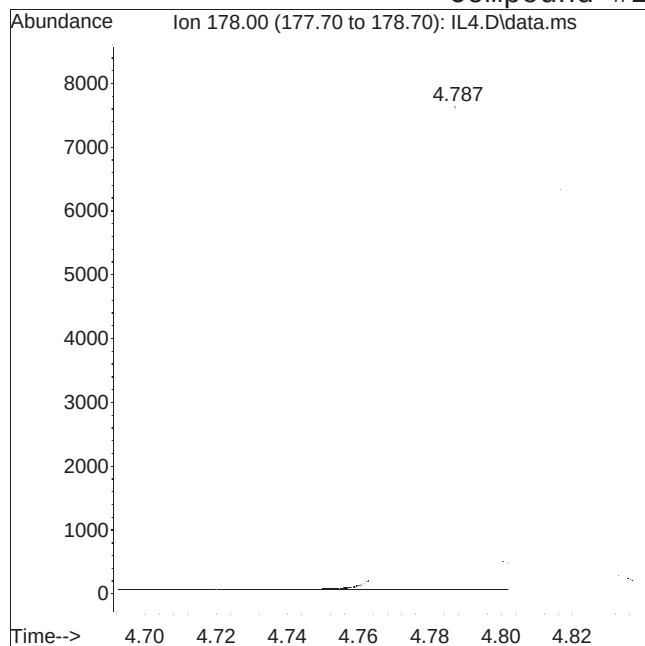


Manual Peak Response = 1024 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL4.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #27: Phenanthrene



Original Peak Response = 6189

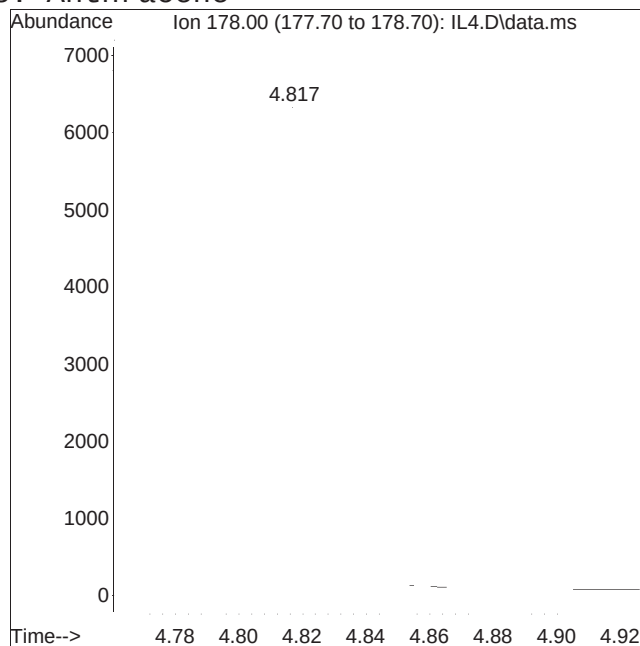
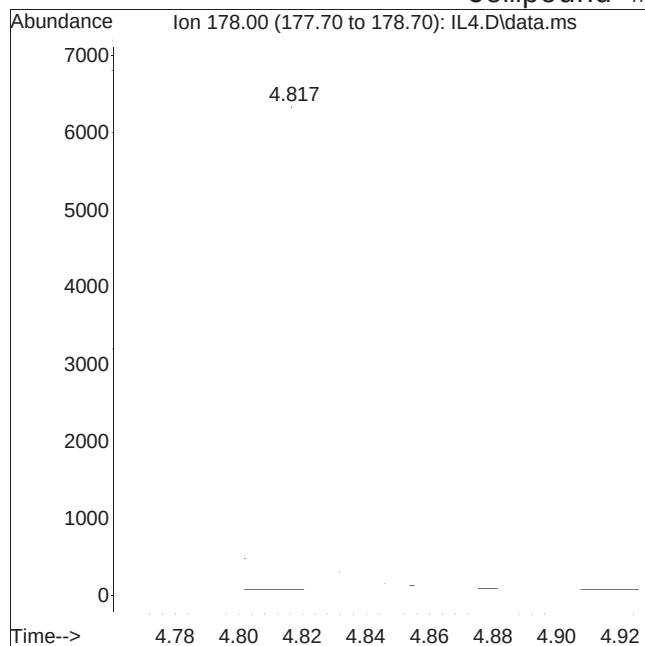
Manual Peak Response = 5459 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL4.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #28: Anthracene



Original Peak Response = 4935

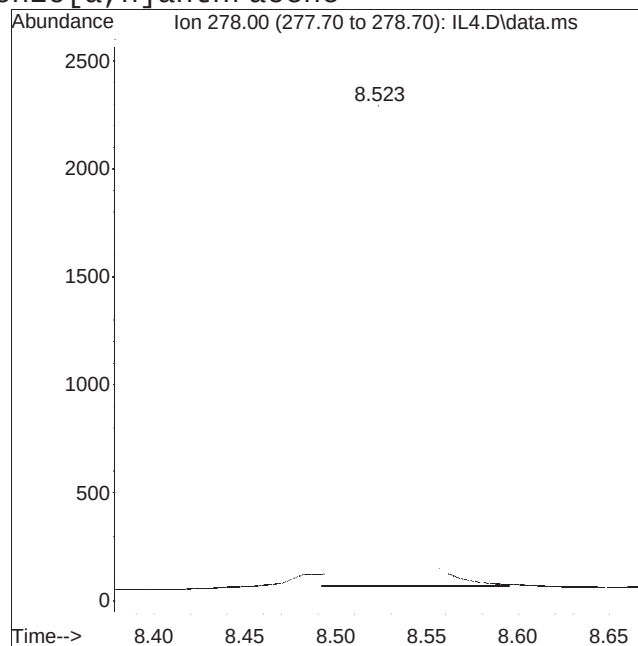
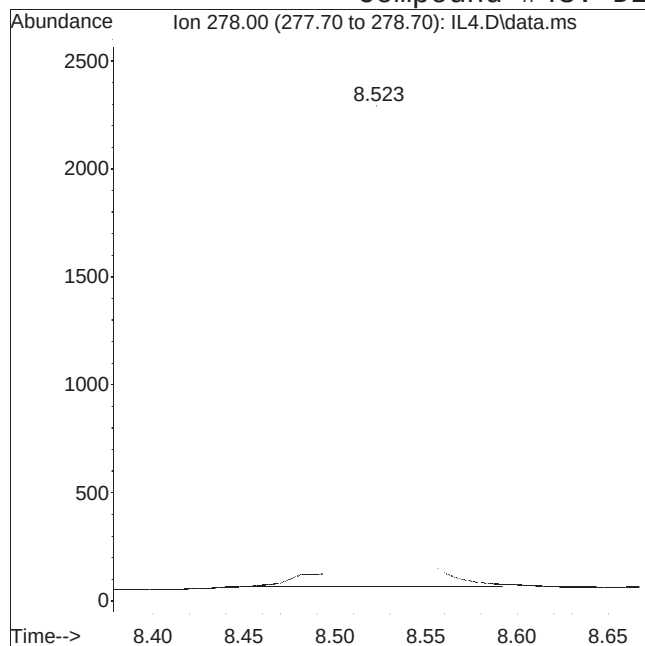
Manual Peak Response = 4814 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL4.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 3577

Manual Peak Response = 3491 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL3.D
 Acq On : 08 Sep 2025 08:58 pm
 Operator : SV125:ljj
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2112310,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 14:43:22 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.318	152	499847	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 154.76%			
9) Naphthalene-d8	2.975	136	1944524	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 153.07%			
18) Acenaphthene-d10	3.942	164	1094278	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 151.62%			
23) Phenanthrene-d10	4.776	188	2140206	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 153.48%			
33) Chrysene-d12	6.319	240	1884826	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 159.89%			
38) Perylene-d12	7.400	264	1777934	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 155.44%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.733	112	591	4.788	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
4) Phenol-d6	2.141	99	732	4.800	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
8) Nitrobenzene-d5	2.598	82	574	4.714	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.47%#			
14) 2-Fluorobiphenyl	3.572	172	2090	5.267	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.53%#			
22) 2,4,6-Tribromophenol	4.384	330	152	3.736	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.19%#			
32) 4-Terphenyl-d14	5.696	244	2160	5.036	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.50%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.250	74	379	4.680	ng/mL#	95
5) Bis(2-chloroethyl)ether	2.191	93	687M6	4.997	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	449	4.915	ng/ml	95
7) Hexachloroethane	2.573	117	324	5.166	ng/ml	97
10) Naphthalene	2.985	128	2736	5.321	ng/ml#	92
11) Hexachlorobutadiene	3.061	225	444	5.212	ng/ml	100
12) 2-Methylnaphthalene	3.364	142	1503	5.008	ng/ml	98
13) 1-Methylnaphthalene	3.416	142	1664	5.161	ng/ml	97
15) 2-Chloronaphthalene	3.633	162	1690	5.018	ng/ml	99
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	3.859	152	2576	4.838	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL3.D
 Acq On : 08 Sep 2025 08:58 pm
 Operator : SV125:ljb
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2112310,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 14:43:22 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.960	153	1687M6	4.822	ng/ml	
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.247	166	1947	4.970	ng/ml	98
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.563	284	596M6	5.129	ng/ml	
26)	Pentachlorophenol	4.676	266	86	20.479	ng/ml	93
27)	Phenanthrene	4.788	178	3073M1	5.027	ng/ml	
28)	Anthracene	4.814	178	3003	5.149	ng/ml	97
29)	Fluoranthene	5.462	202	3381	5.114	ng/ml	100
30)	Pyrene	5.593	202	3430	5.055	ng/ml	97
31)	Benzidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	6.313	226	1281	5.049	ng/ml#	1
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.332	228	2966M1	4.955	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.354	149	1442	23.154	ng/ml	100
39)	Benzo[b]fluoranthene	7.060	252	2996	5.327	ng/ml	94
40)	Benzo[k]fluoranthene	7.083	252	2916	5.116	ng/ml	96
41)	Benzo[a]pyrene	7.337	252	2441	4.910	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.487	276	2514	5.322	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.524	278	2435M6	5.199	ng/ml	
44)	Benzo[g,h,i]perylene	8.791	276	2616	5.372	ng/ml	100

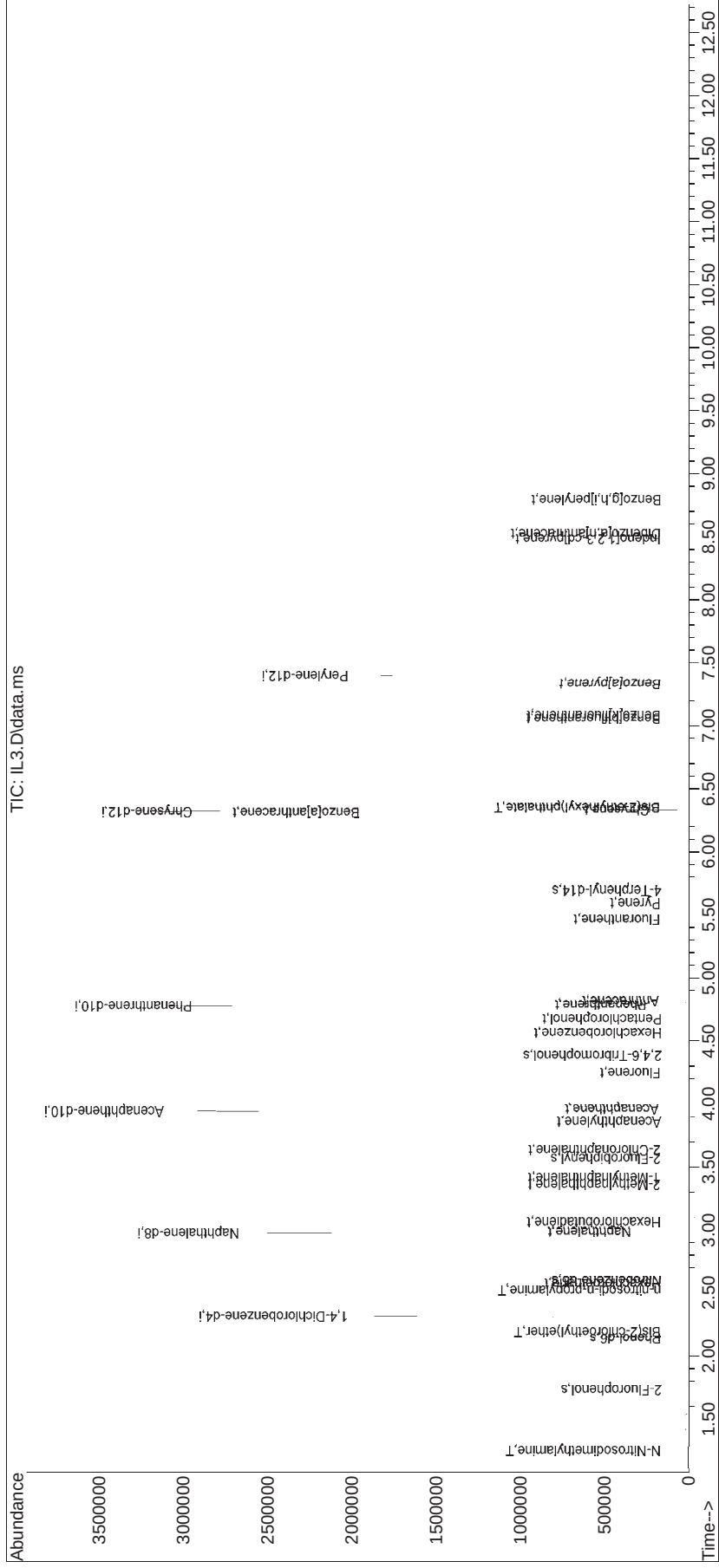
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL3.D
Acq On : 08 Sep 2025 08:58 pm
Operator : SV125:ljq
Sample : IL3,32,,0.005 Lot# 11705
Misc : WG2112310,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 14:43:22 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:37:50 2025
Response via : Initial Calibration

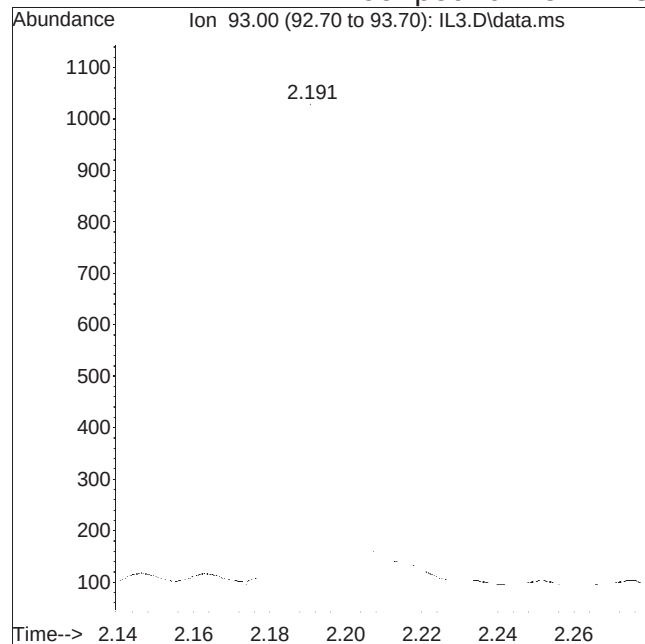
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

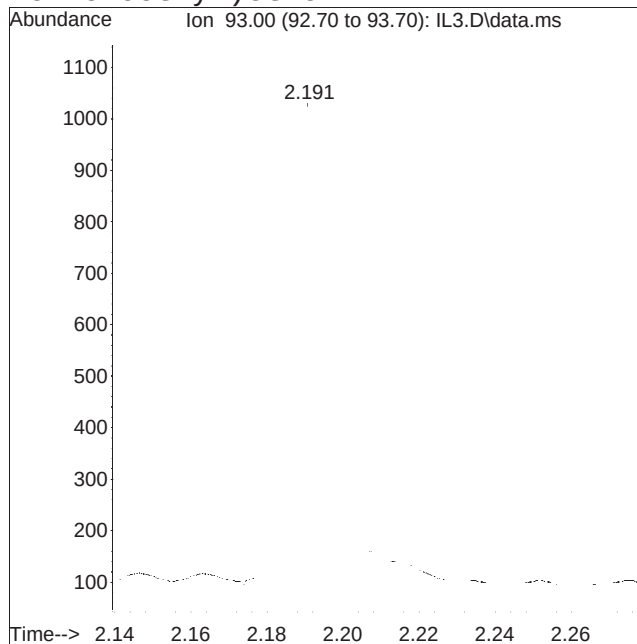
Data Path : I:\8270SIM\SV125\250908RVT\data.ms
Data File : IL3.D
Date Inj'd : 9/8/2025 8:58 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 713

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

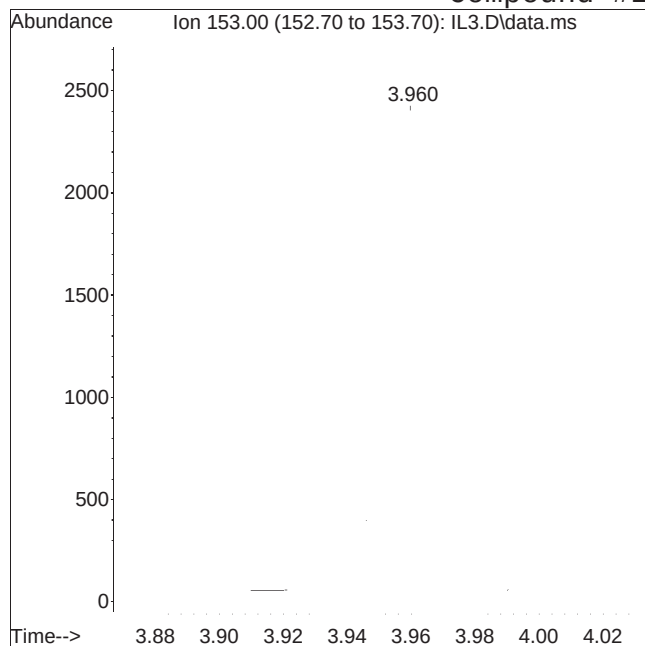


Manual Peak Response = 687 M6

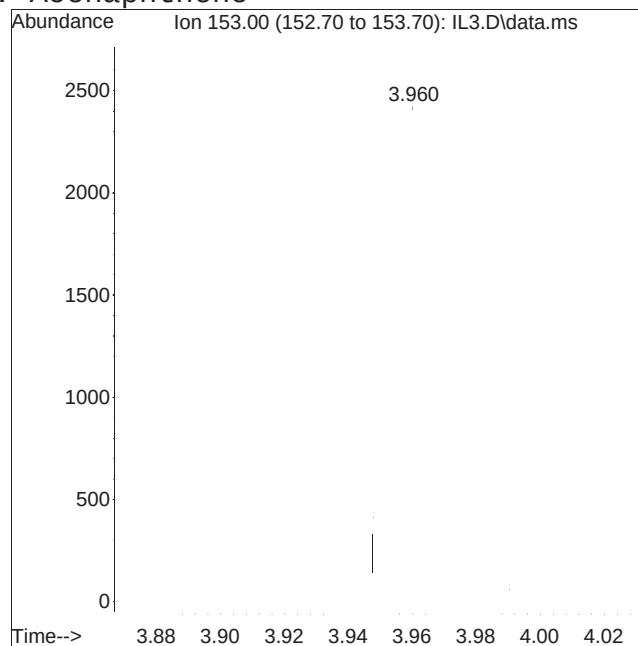
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL3.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #19: Acenaphthene



Original Peak Response = 1909



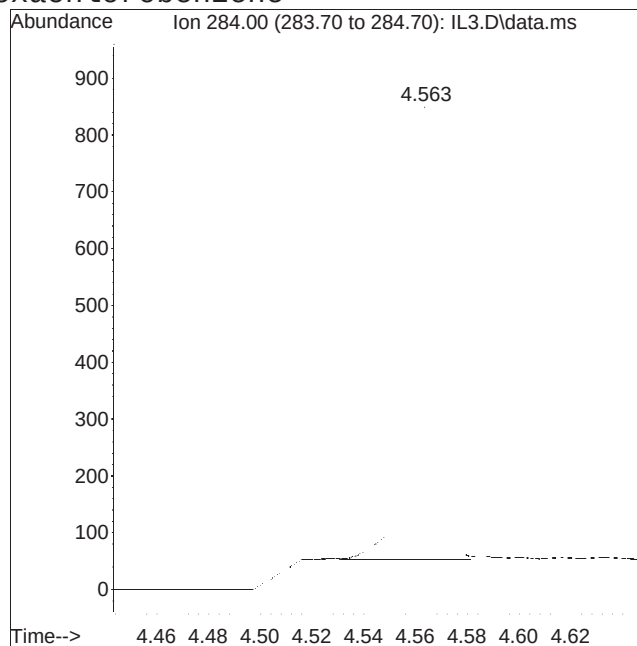
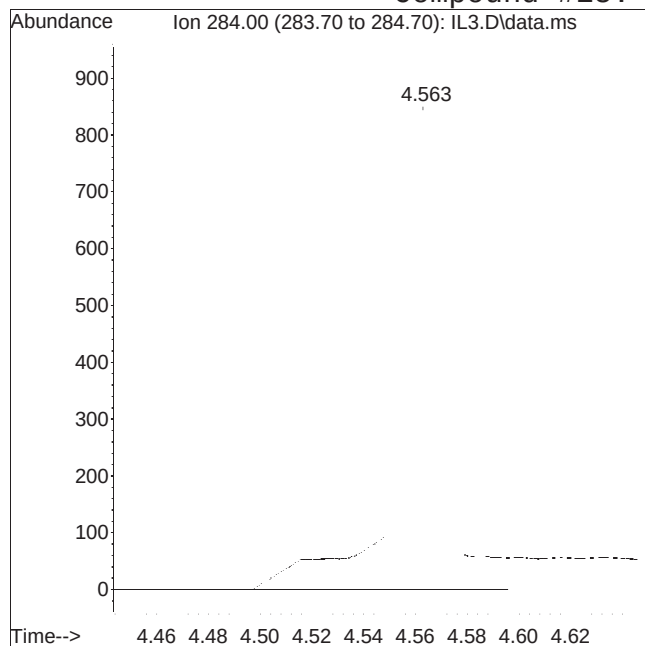
Manual Peak Response = 1687 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL3.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 1025

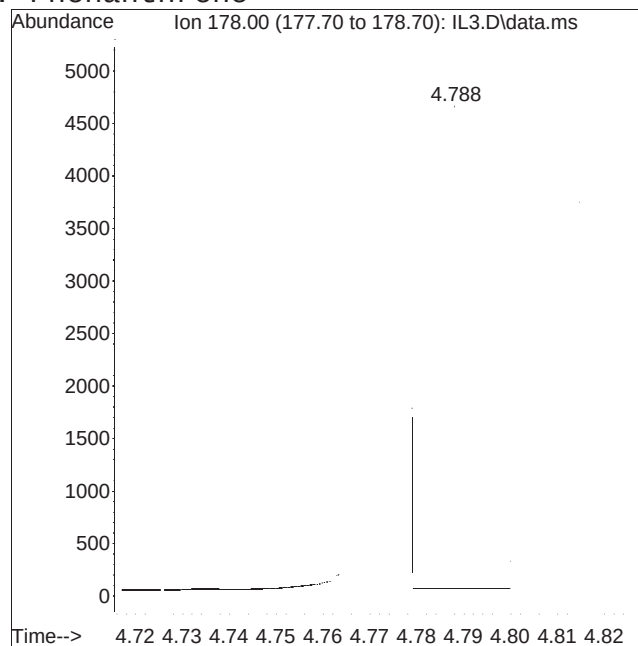
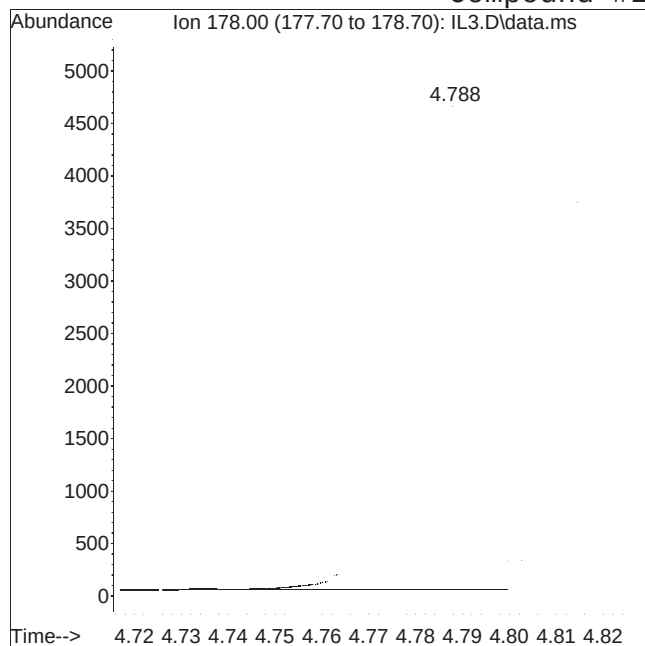
Manual Peak Response = 596 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL3.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #27: Phenanthrene



Original Peak Response = 4100

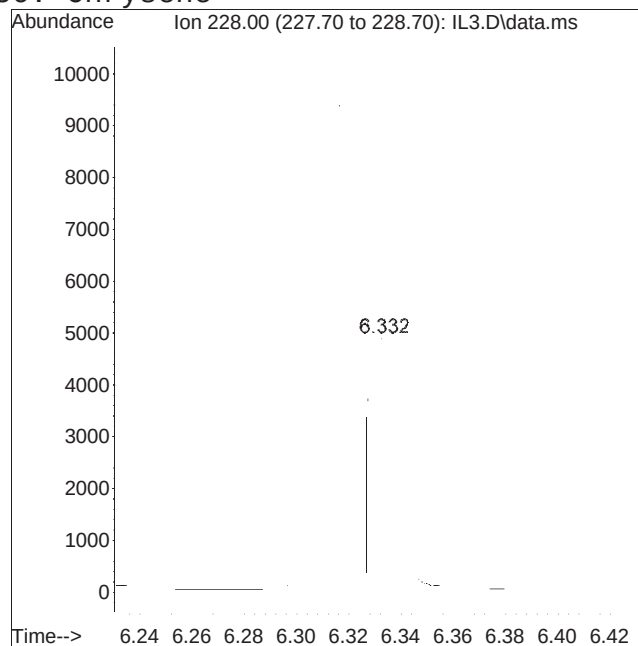
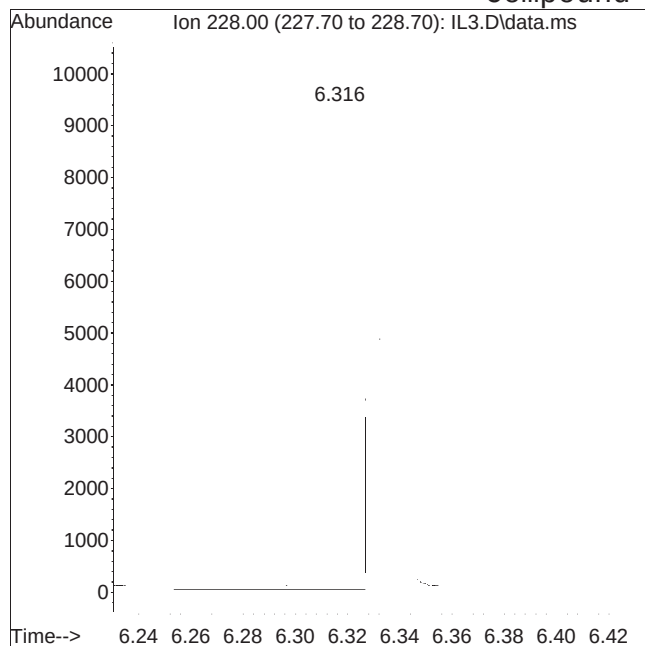
Manual Peak Response = 3073 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL3.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #36: Chrysene



Original Peak Response = 8961

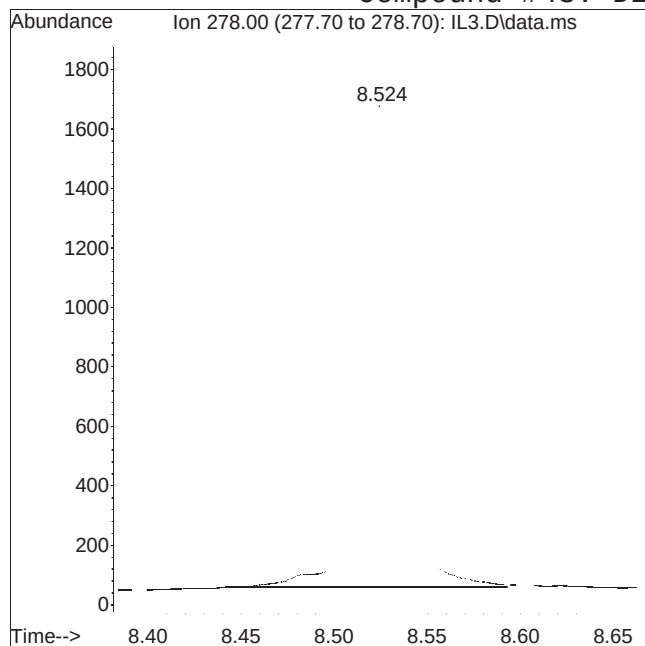
Manual Peak Response = 2966 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

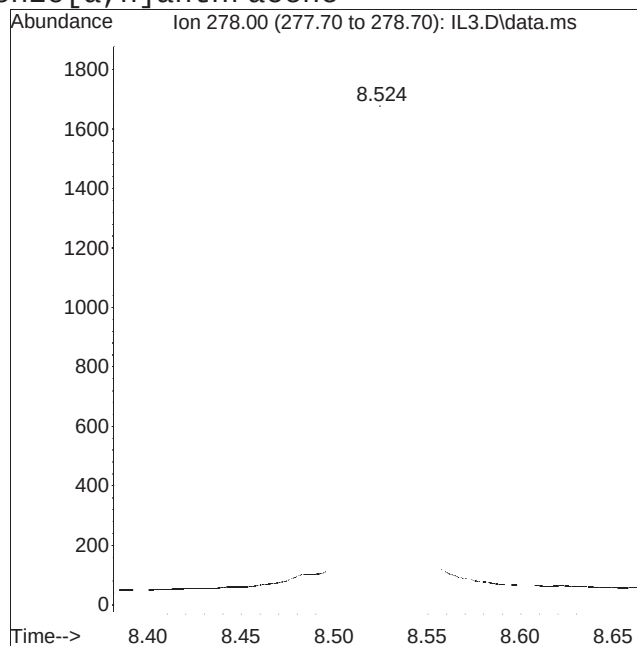
Data Path : I:\8270SIM\SV125\250908RVT\data.ms
Data File : IL3.D
Date Inj'd : 9/8/2025 8:58 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 2528

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 2435 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL2.D
 Acq On : 08 Sep 2025 09:14 pm
 Operator : SV125:ljj
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2112310,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 14:42:01 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:44 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	449714	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 139.24%			
9) Naphthalene-d8	2.975	136	1759388	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 138.49%			
18) Acenaphthene-d10	3.944	164	997843	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 138.26%			
23) Phenanthrene-d10	4.775	188	1965931	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 140.98%			
33) Chrysene-d12	6.318	240	1714297	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 145.42%			
38) Perylene-d12	7.398	264	1608825	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 140.65%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	213	1.918	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
4) Phenol-d6	2.141	99	237	1.727	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.09%#			
8) Nitrobenzene-d5	2.599	82	214	1.953	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.20%#			
14) 2-Fluorobiphenyl	3.571	172	730	2.033	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.20%#			
22) 2,4,6-Tribromophenol	4.384	330	55M7	1.483	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.07%#			
32) 4-Terphenyl-d14	5.695	244	826	2.097	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.250	74	126	1.729	ng/mL#	2
5) Bis(2-chloroethyl)ether	2.191	93	238M6	1.924	ng/ml	
6) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
7) Hexachloroethane	2.574	117	122	2.162	ng/ml	95
10) Naphthalene	2.984	128	1091	2.345	ng/ml#	83
11) Hexachlorobutadiene	3.061	225	153	1.985	ng/ml	90
12) 2-Methylnaphthalene	3.364	142	566	2.084	ng/ml	97
13) 1-Methylnaphthalene	3.418	142	590	2.022	ng/ml	98
15) 2-Chloronaphthalene	3.632	162	613	2.012	ng/ml	93
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL2.D
 Acq On : 08 Sep 2025 09:14 pm
 Operator : SV125:lvg
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2112310,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 14:42:01 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:44 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.861	152	924	1.918	ng/ml	99
19)	Acenaphthene	3.959	153	640M6	2.006	ng/ml	
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.250	166	736	2.060	ng/ml	98
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.563	284	213M6	1.996	ng/ml	
26)	Pentachlorophenol	4.678	266	91	20.868	ng/ml	92
27)	Phenanthrene	4.787	178	1306M6	2.326	ng/ml	
28)	Anthracene	4.817	178	1099	2.052	ng/ml	98
29)	Fluoranthene	5.462	202	1242	2.045	ng/ml	95
30)	Pyrene	5.592	202	1271	2.039	ng/ml	99
31)	Benzidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	6.318	226	708	2.274	ng/ml#	1
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
36)	Chrysene	6.332	228	831M1	1.527	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.356	149	776	21.418	ng/ml	99
39)	Benzo[b]fluoranthene	7.062	252	953	1.873	ng/ml	96
40)	Benzo[k]fluoranthene	7.082	252	1001	1.941	ng/ml	99
41)	Benzo[a]pyrene	7.335	252	800	1.778	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.485	276	770	1.801	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.519	278	727	1.715	ng/ml	99
44)	Benzo[g,h,i]perylene	8.793	276	786	1.784	ng/ml	98

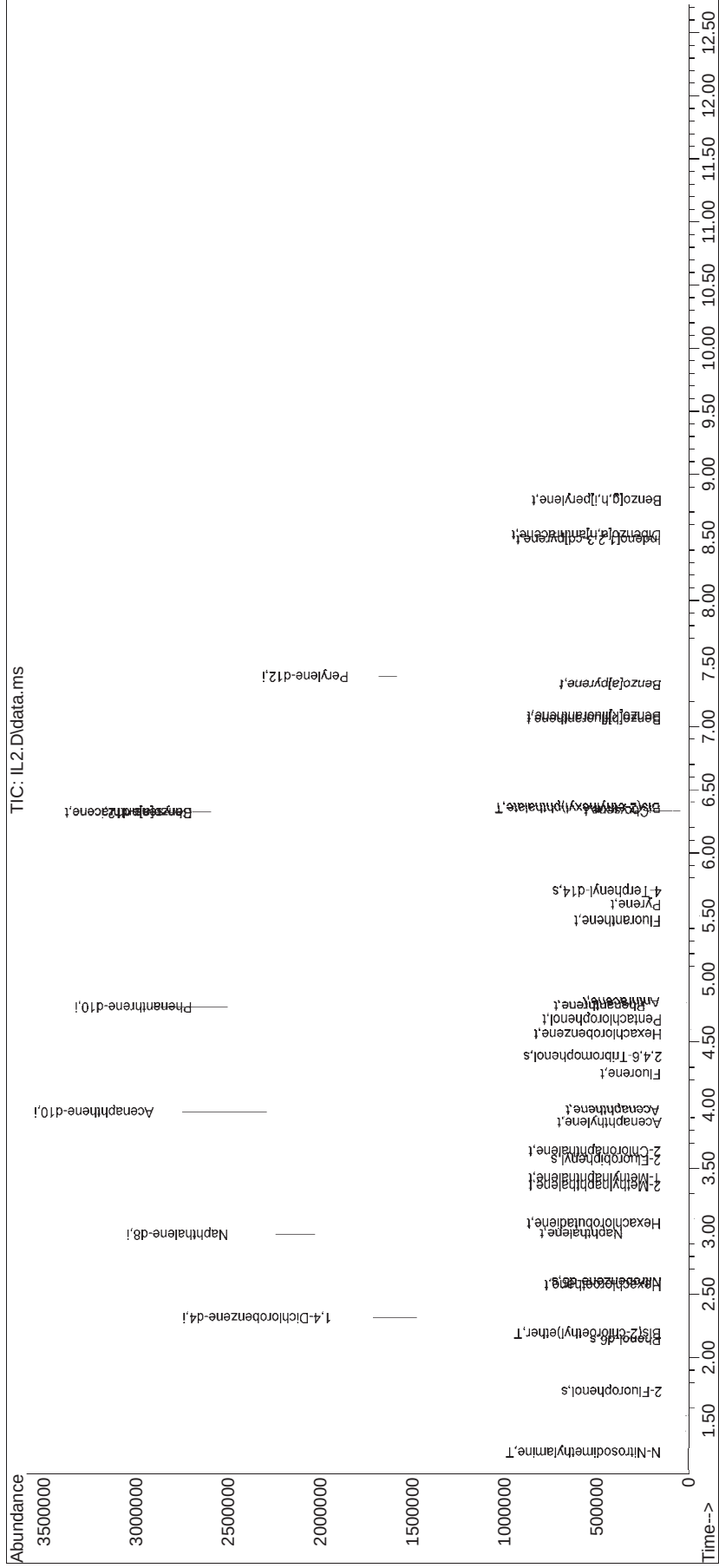
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL2.D
Acq On : 08 Sep 2025 09:14 pm
Operator : SV125:ljj
Sample : IL2,32,,0.002 Lot# 11706
Misc : WG2112310,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 14:42:01 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:37:44 2025
Response via : Initial Calibration

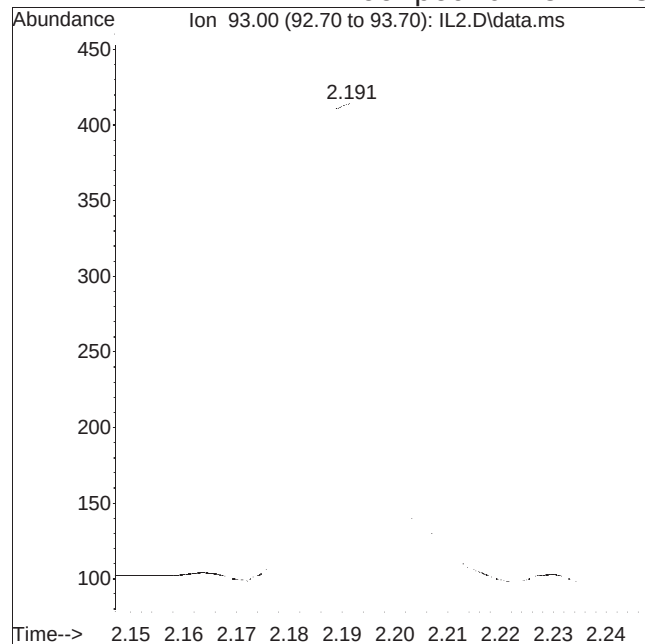
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

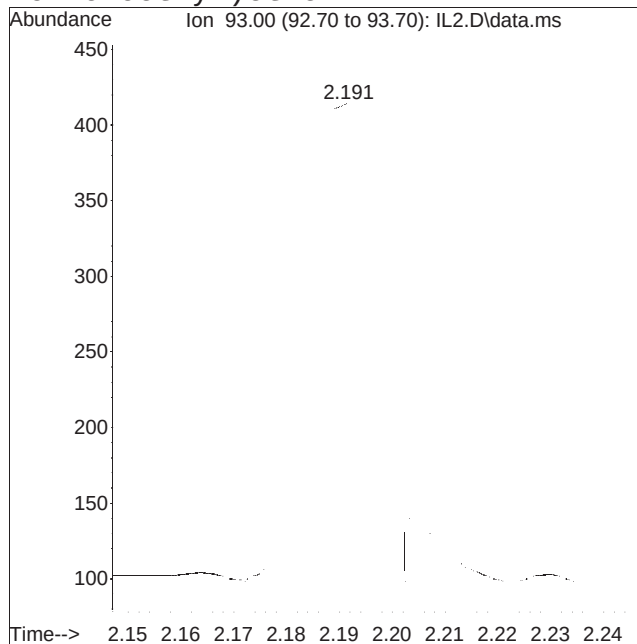
Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL2.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 255

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

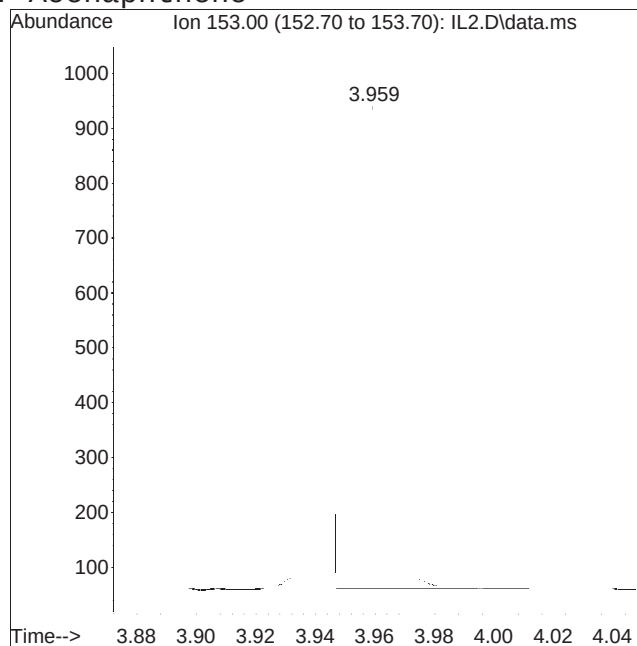
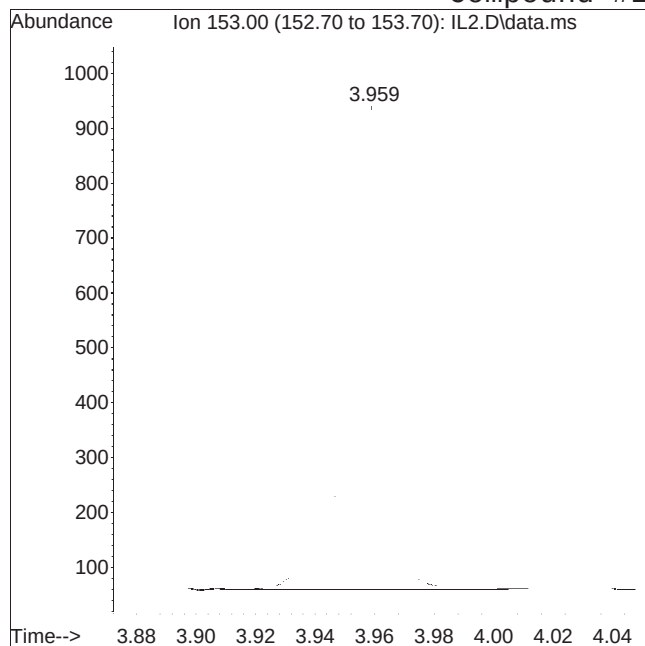


Manual Peak Response = 238 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL2.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #19: Acenaphthene



Original Peak Response = 772

Manual Peak Response = 640 M6

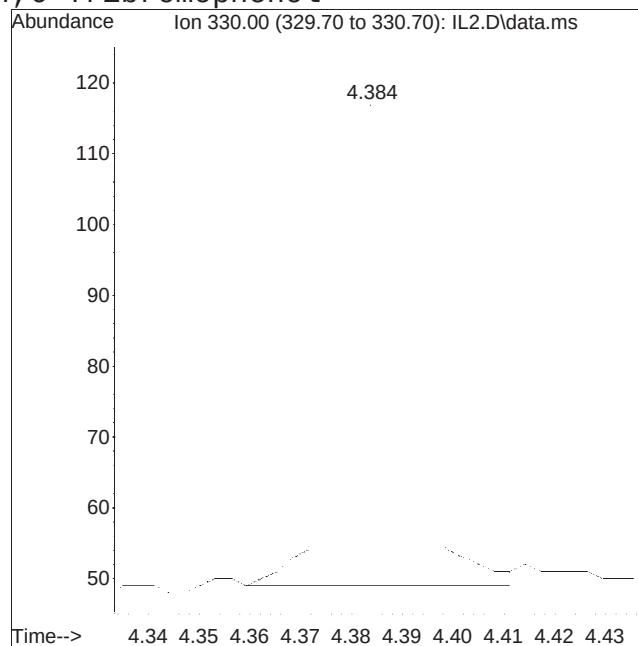
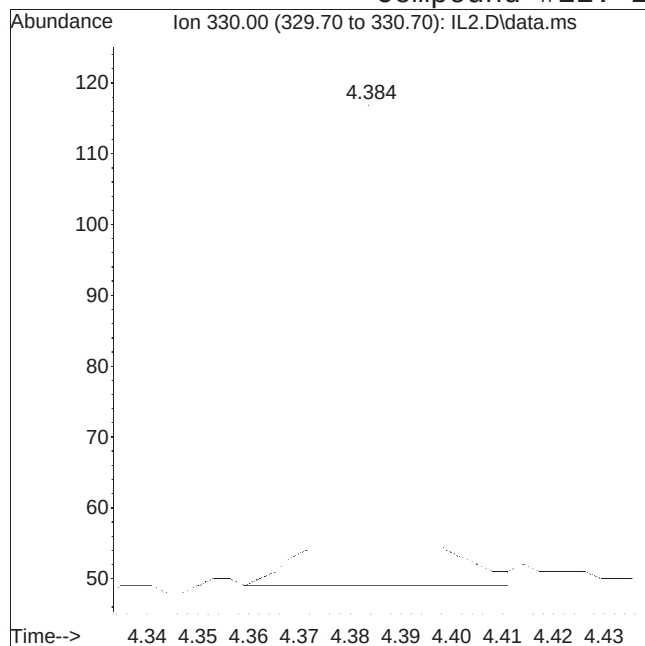
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : IL2.D
Date Inj'd : 9/8/2025 9:14 pm
Sample : IL2,32,,0.002 Lot# 11706

Method :
Operator : SV125:ljb
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 55

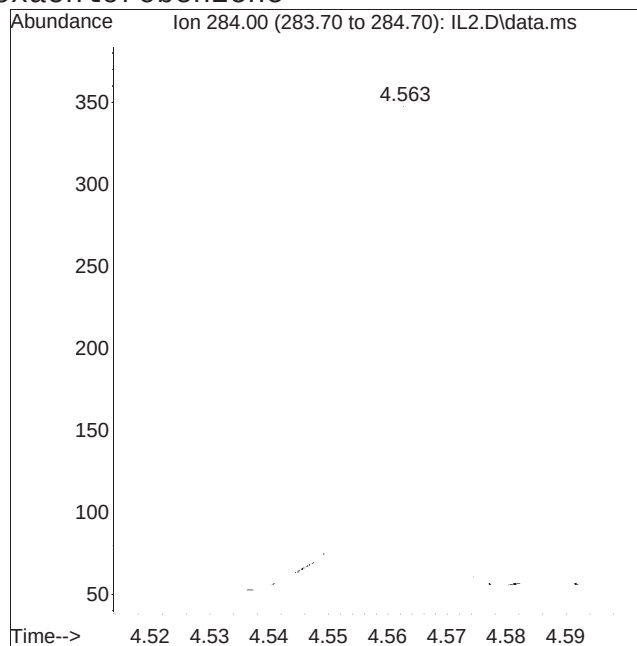
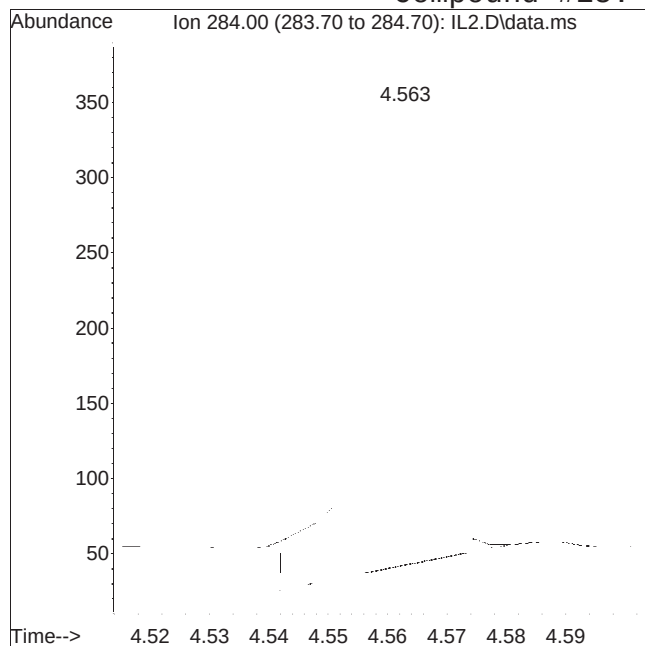
Manual Peak Response = 55 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\data.ms
Data File : IL2.D
Date Inj'd : 9/8/2025 9:14 pm
Sample : IL2,32,,0.002 Lot# 11706
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 240

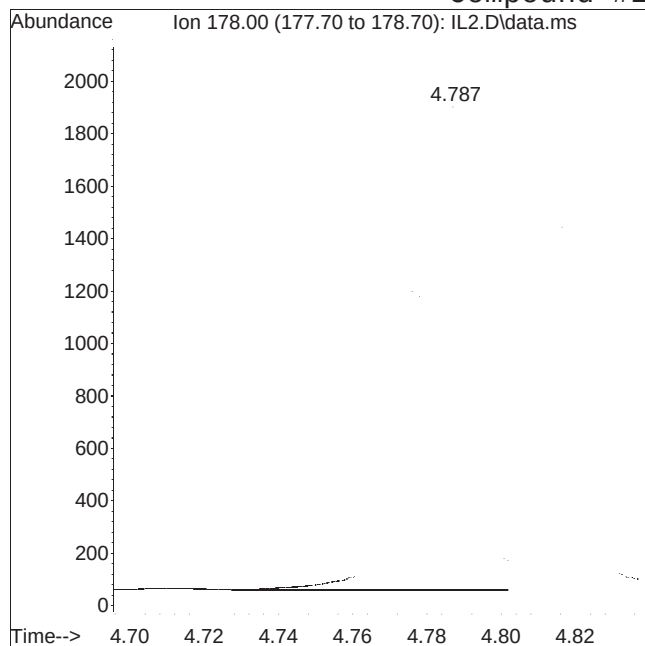
Manual Peak Response = 213 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

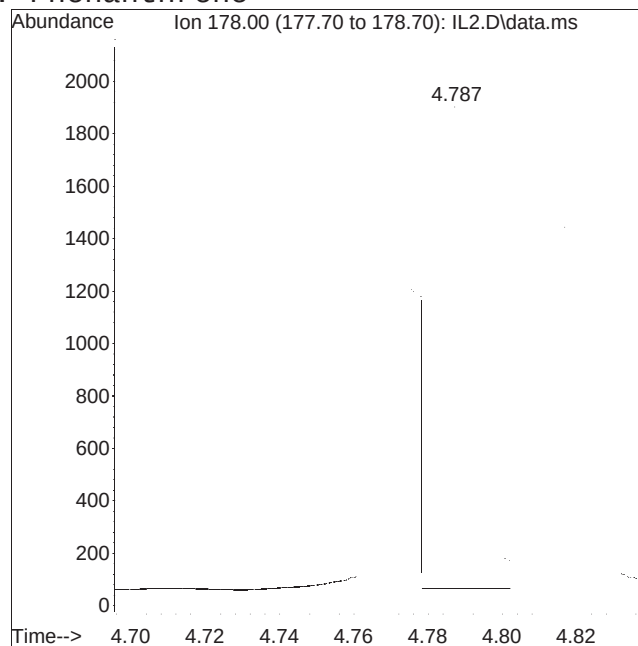
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL2.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #27: Phenanthrene



Original Peak Response = 2081



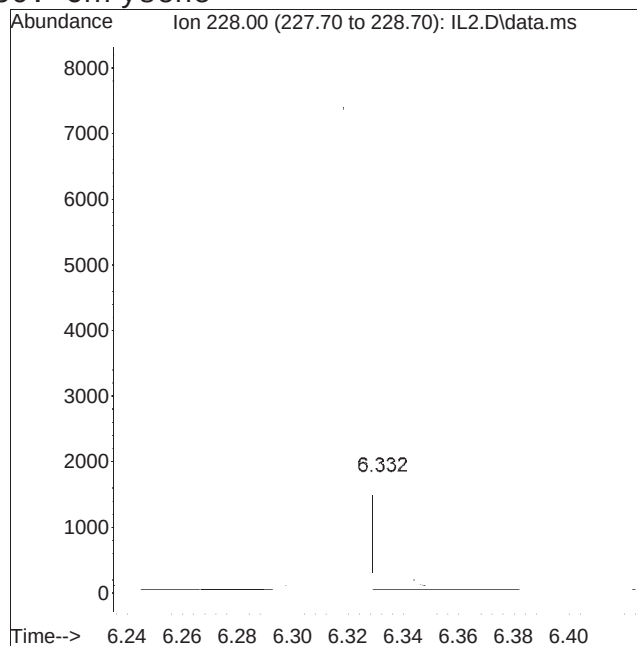
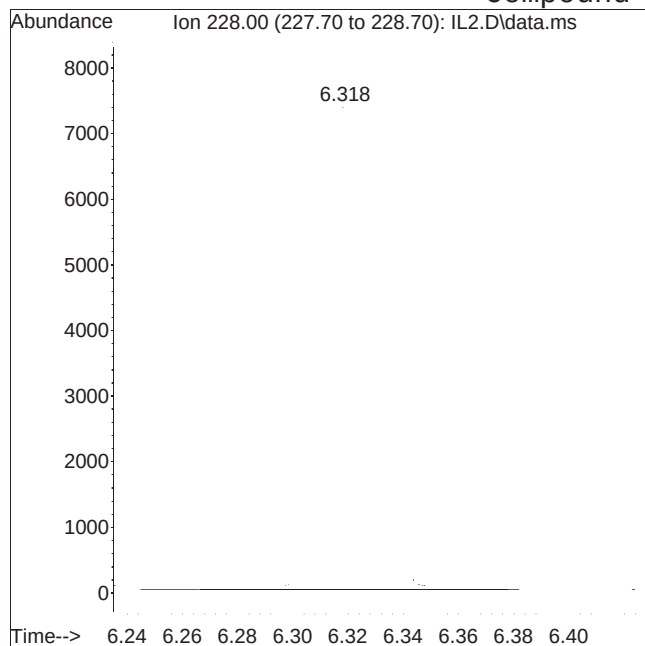
Manual Peak Response = 1306 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL2.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #36: Chrysene



Original Peak Response = 7102

Manual Peak Response = 831 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL1.D
 Acq On : 08 Sep 2025 09:31 pm
 Operator : SV125:ljj
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2112310,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 14:40:10 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	424451	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	131.42%	
9) Naphthalene-d8	2.974	136	1663642	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	130.96%	
18) Acenaphthene-d10	3.943	164	942743	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	130.62%	
23) Phenanthrene-d10	4.775	188	1853512	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	132.92%	
33) Chrysene-d12	6.317	240	1626978	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	138.02%	
38) Perylene-d12	7.398	264	1516070	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	132.54%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	100	0.954	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.05%#	
4) Phenol-d6	2.139	99	120	0.927	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.05%#	
8) Nitrobenzene-d5	2.599	82	86	0.832	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.08%#	
14) 2-Fluorobiphenyl	3.570	172	338	0.996	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.10%#	
22) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng/ml	
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.00%#	
32) 4-Terphenyl-d14	5.694	244	418	1.125	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.11%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
6) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
13) 1-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL1.D
 Acq On : 08 Sep 2025 09:31 pm
 Operator : SV125:ljb
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2112310,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 14:40:10 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	0.000		0	N.D.	d	
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	0.000		0	N.D.	d	
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.562	284	95M1	0.944	ng/ml	
26)	Pentachlorophenol	0.000		0	N.D.	d	
27)	Phenanthrene	0.000		0	N.D.	d	
28)	Anthracene	0.000		0	N.D.	d	
29)	Fluoranthene	0.000		0	N.D.	d	
30)	Pyrene	0.000		0	N.D.	d	
31)	Benzidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	0.000		0	N.D.	d	
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
36)	Chrysene	0.000		0	N.D.	d	
37)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
39)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
40)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
41)	Benzo[a]pyrene	0.000		0	N.D.	d	
42)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

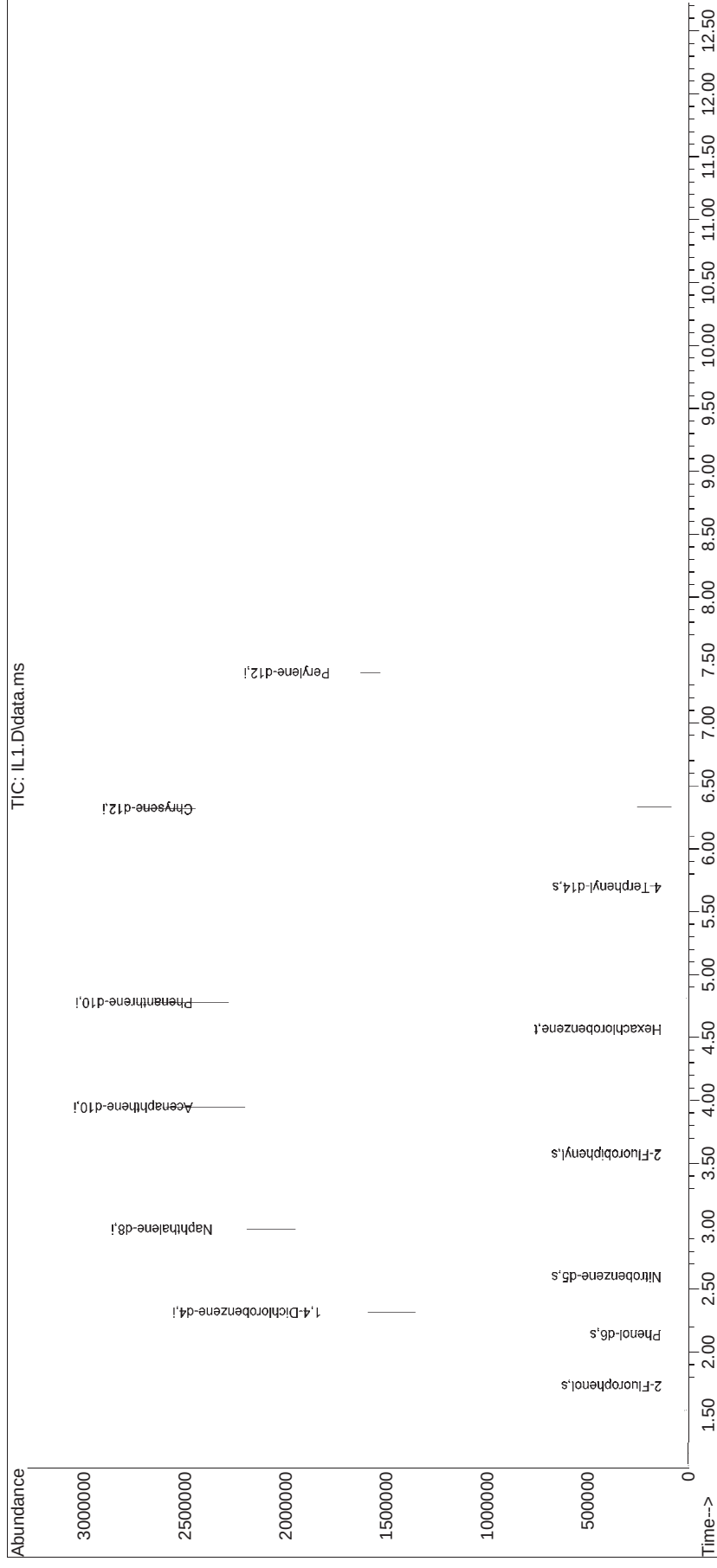
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL1.D
Acq On : 08 Sep 2025 09:31 pm
Operator : SV125:ljj
Sample : IL1,32,,0.001 Lot# 11707
Misc : WG2112310
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 14:40:10 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:37:31 2025
Response via : Initial Calibration

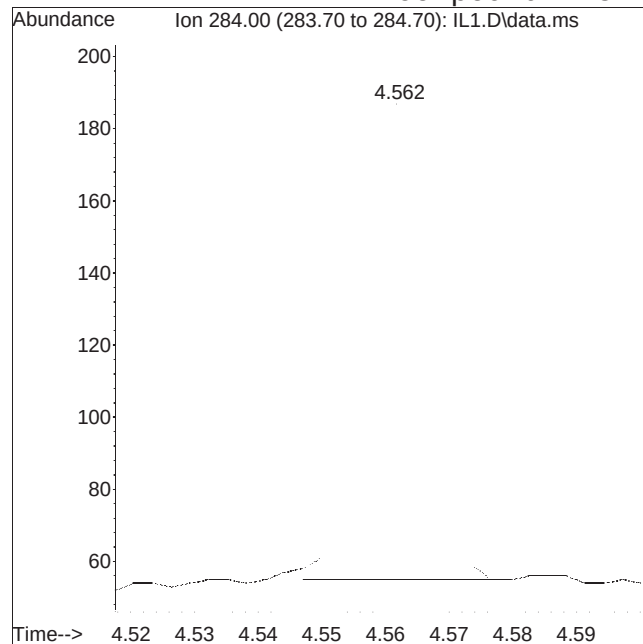
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

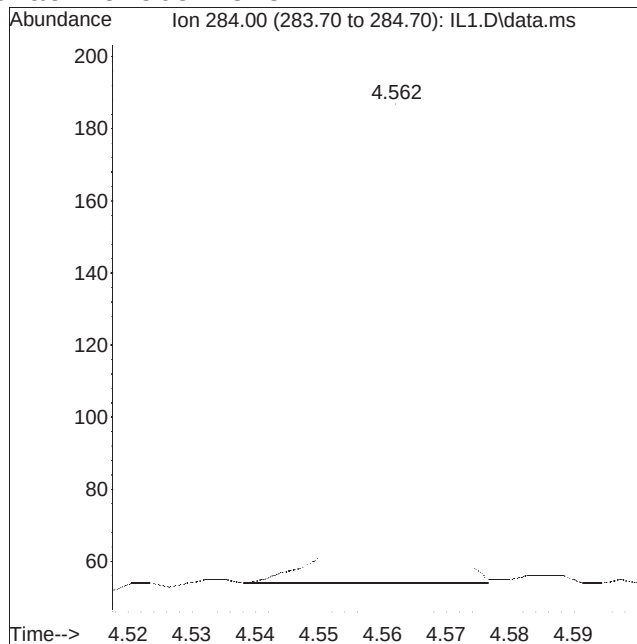
Data Path : I:\8270SIM\SV125\250908RVTQMethod : SIM-RVT_250908_sv125.M
Data File : IL1.DOperator : SV125:ljl
Date Inj'd : 9/8/2025 9:31 pmInstrument : SV125
Sample : IL1,32,,0.001 Lot# 11707Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 92

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 95 M1

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	170	0.00
2 T	N-Nitrosodimethylamine	0.648	0.672	-3.7	172	0.00
3 s	2-Fluorophenol	0.988	1.087	-10.0	175	0.00
4 s	Phenol-d6	1.220	1.436	-17.7	187	0.00
5 T	Bis(2-chloroethyl)ether	1.100	1.116	-1.5	167	0.00
6 T	n-nitrosodi-n-propylamine	0.731	0.758	-3.7	173	0.00
7 t	Hexachloroethane	0.502	0.495	1.4	170	0.00
8 s	Nitrobenzene-d5	0.974	1.036	-6.4	167	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	169	0.00
10 t	Naphthalene	1.058	0.997	5.8	168	0.00
11 t	Hexachlorobutadiene	0.175	0.173	1.1	169	0.00
12 t	2-Methylnaphthalene	0.617	0.645	-4.5	176	0.00
13 t	1-Methylnaphthalene	0.663	0.654	1.4	170	0.00
14 s	2-Fluorobiphenyl	0.816	0.800	2.0	170	0.00
15 t	2-Chloronaphthalene	0.693	0.687	0.9	169	0.00
16 t	2,6-Dinitrotoluene	0.128	0.137	-7.0	171	0.00
17 t	Acenaphthylene	1.095	1.139	-4.0	169	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	170	0.00
19 t	Acenaphthene	1.279	1.255	1.9	169	0.00
20 t	2,4-Dinitrotoluene	*1000.000	944.292	5.6	167	0.00
21 t	Fluorene	1.432	1.434	-0.1	169	0.00
22 s	2,4,6-Tribromophenol	0.149	0.189	-26.8#	189	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	168	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	914.376	8.6	169	0.00
25 t	Hexachlorobenzene	0.217	0.215	0.9	166	0.00
26 t	Pentachlorophenol	*1000.000	1278.747	-27.9#	240	0.00
27 t	Phenanthrene	1.143	1.097	4.0	164	0.00
28 t	Anthracene	1.090	1.104	-1.3	169	0.00
29 t	Fluoranthene	1.236	1.258	-1.8	172	0.00
30 t	Pyrene	1.268	1.279	-0.9	167	0.00
31 T	Benzidine	*1000.000	697.699	30.2#	123	0.00
32 s	4-Terphenyl-d14	0.802	0.784	2.2	170	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	167	0.00
34 t	Benzo[a]anthracene	*1000.000	1016.927	-1.7	170	0.00
35 t	3,3'-Dichlorobenzidine	*1000.000	1009.506	-1.0	176	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area	% Dev(min)
36 t	Chrysene	1.270	1.286	-1.3	163	0.00
37 T	Bis(2-ethylhexyl)phthalate	*1000.000	1054.035	-5.4	184	-0.01
38 i	Perylene-d12	1.000	1.000	0.0	173	0.00
39 t	Benzo[b]fluoranthene	1.265	1.248	1.3	171	0.00
40 t	Benzo[k]fluoranthene	1.282	1.298	-1.2	165	0.00
41 t	Benzo[a]pyrene	1.119	1.168	-4.4	171	0.00
42 t	Indeno[1,2,3-cd]pyrene	1.063	1.105	-4.0	170	0.00
43 t	Dibenzo[a,h]anthracene	1.054	1.048	0.6	166	0.00
44 t	Benzo[g,h,i]perylene	1.096	1.115	-1.7	169	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljl
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	549674	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 170.19%			
9) Naphthalene-d8	2.974	136	2151880	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 169.39%			
18) Acenaphthene-d10	3.944	164	1229169	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 170.31%			
23) Phenanthrene-d10	4.776	188	2347522	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 168.34%			
33) Chrysene-d12	6.318	240	1966263	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 166.80%			
38) Perylene-d12	7.396	264	1973423	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 172.53%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	149314	1100.039	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 55.00%			
4) Phenol-d6	2.139	99	197284	1176.476	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 58.82%			
8) Nitrobenzene-d5	2.596	82	142354	1063.070	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 106.31%			
14) 2-Fluorobiphenyl	3.571	172	430372	980.005	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.00%			
22) 2,4,6-Tribromophenol	4.384	330	58146	1272.383	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 63.62%			
32) 4-Terphenyl-d14	5.693	244	460025	977.828	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.78%			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.243	74	92359	1037.095	ng/mL	98
5) Bis(2-chloroethyl)ether	2.188	93	153317	1014.041	ng/ml	99
6) n-nitrosodi-n-propylamine	2.521	70	104142	1036.629	ng/ml	100
7) Hexachloroethane	2.574	117	68051	986.702	ng/ml	100
10) Naphthalene	2.984	128	536172	942.262	ng/ml	100
11) Hexachlorobutadiene	3.061	225	93306	989.749	ng/ml	100
12) 2-Methylnaphthalene	3.364	142	346747	1044.089	ng/ml	99
13) 1-Methylnaphthalene	3.419	142	351657	985.579	ng/ml	100
15) 2-Chloronaphthalene	3.632	162	369582	991.578	ng/ml	100
16) 2,6-Dinitrotoluene	3.831	165	73472	1067.879	ng/ml	99
17) Acenaphthylene	3.862	152	612911	1040.104	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.959	153	385554	981.135	ng/ml	99
20)	2,4-Dinitrotoluene	4.054	165	97688	944.292	ng/ml	100
21)	Fluorene	4.250	166	440710	1001.507	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.283	198	48509	914.376	ng/ml	99
25)	Hexachlorobenzene	4.563	284	125946	988.165	ng/ml	100
26)	Pentachlorophenol	4.675	266	57695	1278.747	ng/ml	99
27)	Phenanthrene	4.788	178	643749	960.067	ng/ml	100
28)	Anthracene	4.817	178	648043	1013.094	ng/ml	100
29)	Fluoranthene	5.462	202	738541	1018.487	ng/ml	100
30)	Pyrene	5.592	202	750751	1008.722	ng/ml	100
31)	Benzydine	5.548	184	172795	697.699	ng/mL	99
34)	Benzo[a]anthracene	6.308	226	192491	1016.927	ng/ml	99
35)	3,3'-Dichlorobenzidine	6.302	252	256293	1009.506	ng/ml	100
36)	Chrysene	6.332	228	632333	1012.716	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.351	149	383137	1054.035	ng/ml	100
39)	Benzo[b]fluoranthene	7.059	252	615584	986.072	ng/ml	100
40)	Benzo[k]fluoranthene	7.083	252	640234	1012.072	ng/ml	99
41)	Benzo[a]pyrene	7.336	252	576417	1044.540	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.489	276	544926	1039.274	ng/ml	98
43)	Dibenzo[a,h]anthracene	8.526	278	516804M6	994.098	ng/ml	
44)	Benzo[g,h,i]perylene	8.796	276	550008	1017.532	ng/ml	100

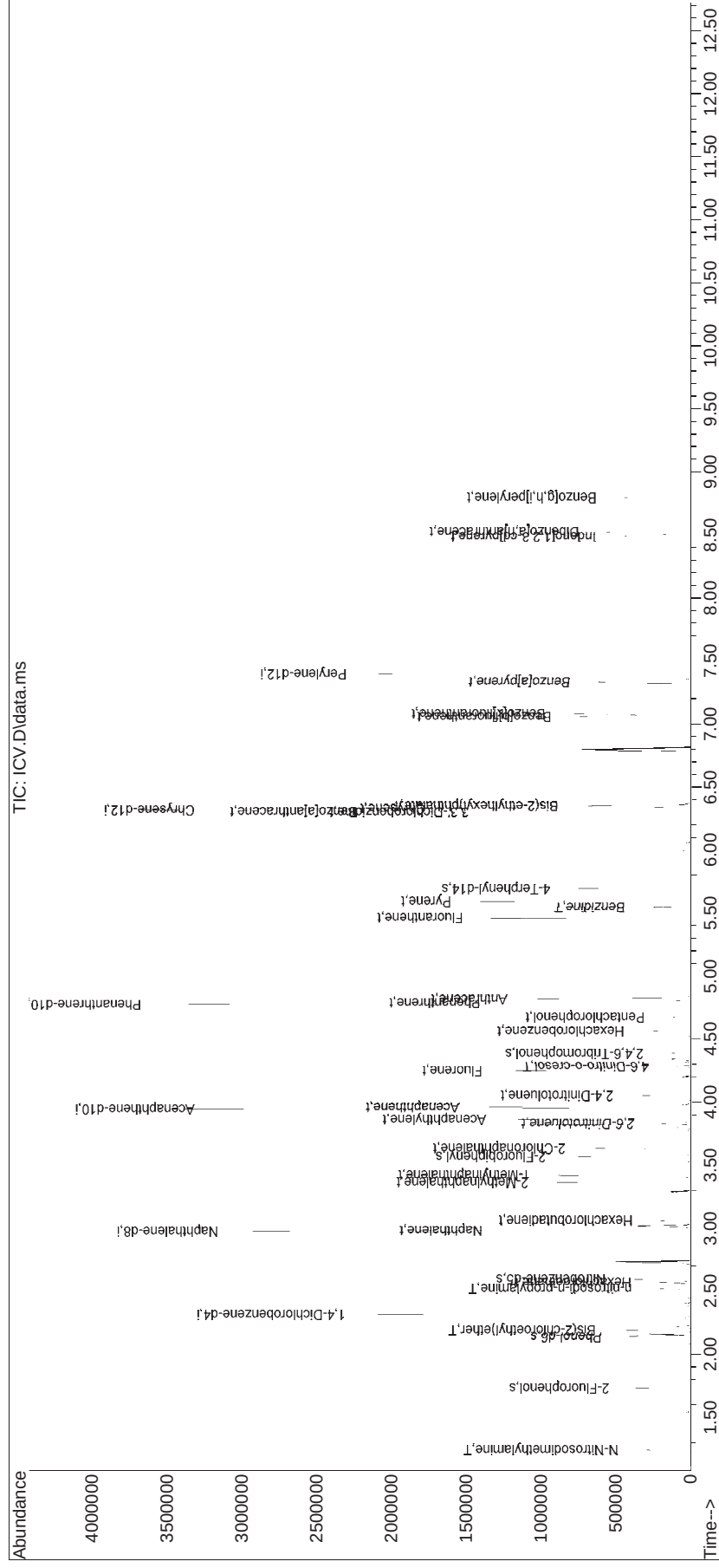
(#) = qualifier out of range (m) = manual integration (+) = signals summed

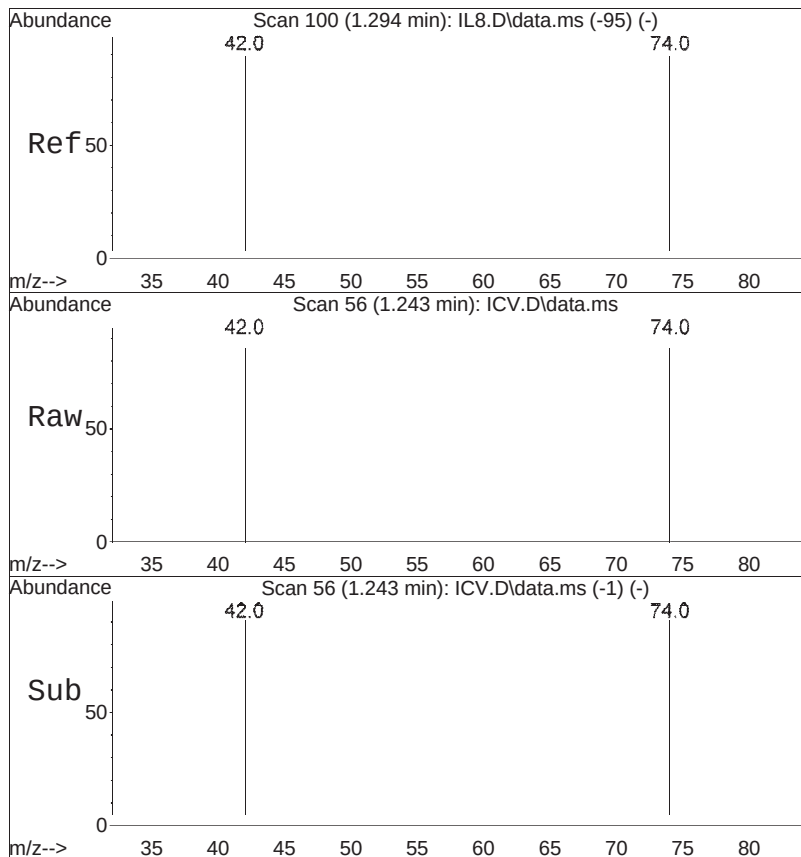
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : ICV.D
Acq On : 08 Sep 2025 09:48 pm
Operator : SV125:ljq
Sample : CQICV1,32,,1 Lot# 11696
Misc : WG2112310
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 15:11:14 2025
Response via : Initial Calibration

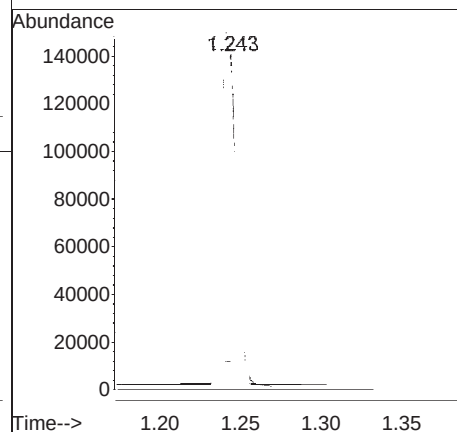
Sub List : Default - All compounds listedical\IL8.D•

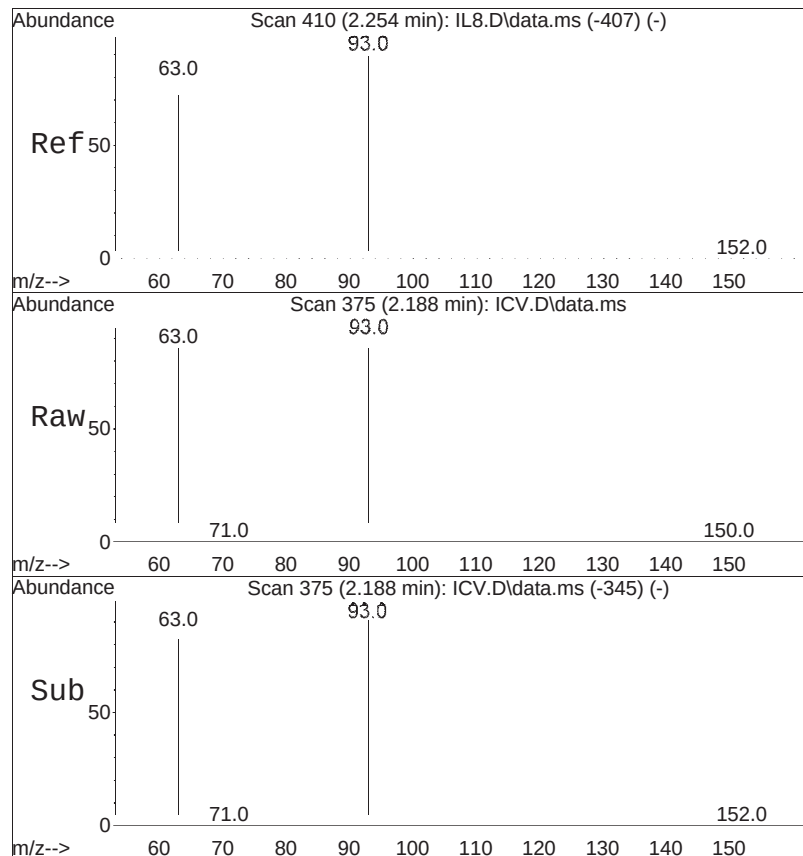




#2
N-Nitrosodimethylamine
Concen: 1037.09 ng/mL
RT: 1.243 min Scan# 56
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 08 Sep 2025 09:48 pm

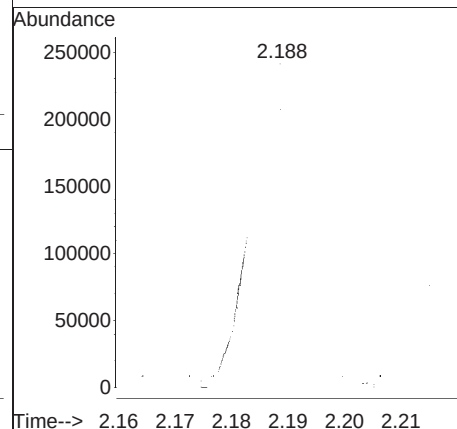
Tgt Ion: 74	Resp: 92359
Ion Ratio Lower Upper	
74 100	
42 106.4	86.9 130.3
44 8.5	5.8 8.8

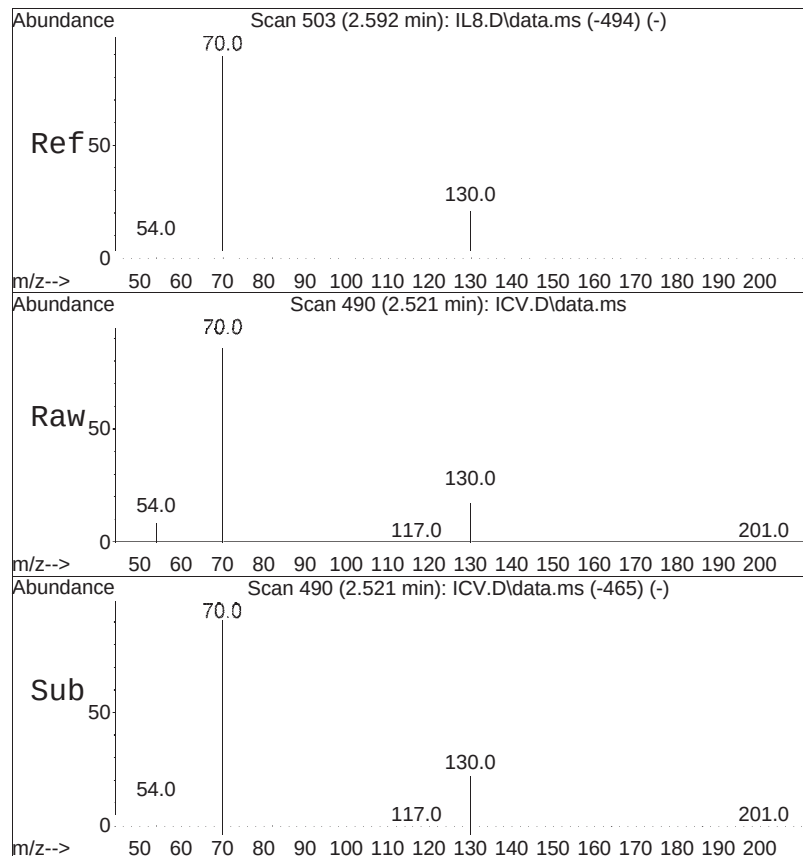




#5
 Bis(2-chloroethyl)ether
 Concen: 1014.04 ng/ml
 RT: 2.188 min Scan# 375
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

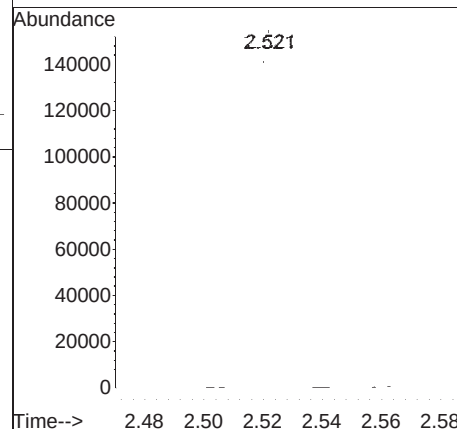
Tgt	Ion	Ratio	Resp	Lower	Upper
93	100		153317		
63	87.1	68.6	103.0		

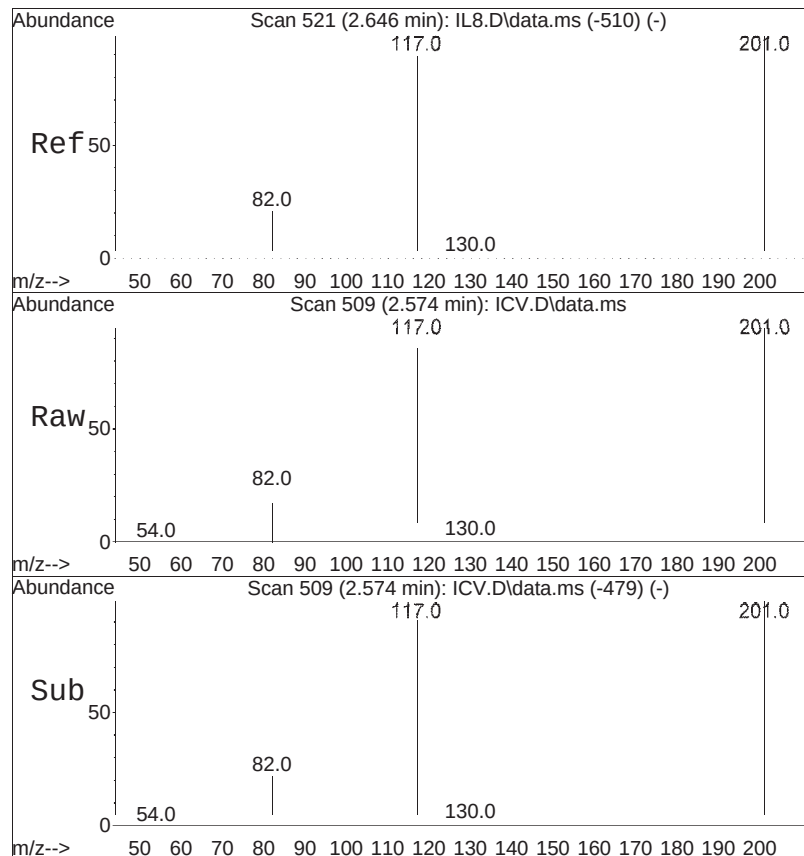




#6
 n-nitrosodi-n-propylamine
 Concen: 1036.63 ng/ml
 RT: 2.521 min Scan# 490
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

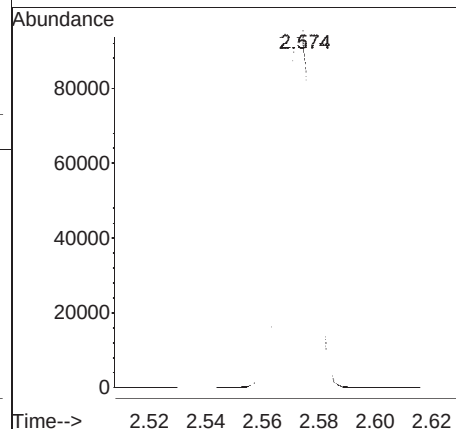
Tgt Ion	Ratio	Lower	Upper
70	100		
130	22.8	18.4	27.6

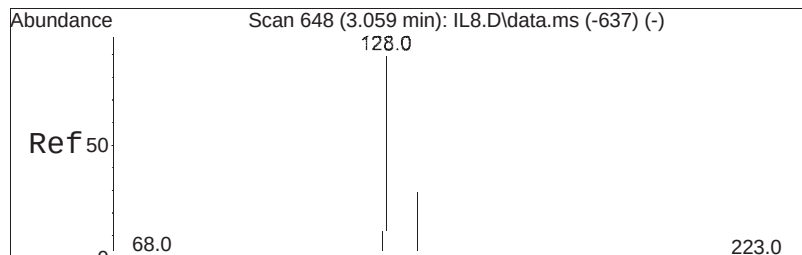




#7
 Hexachloroethane
 Concen: 986.70 ng/ml
 RT: 2.574 min Scan# 509
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

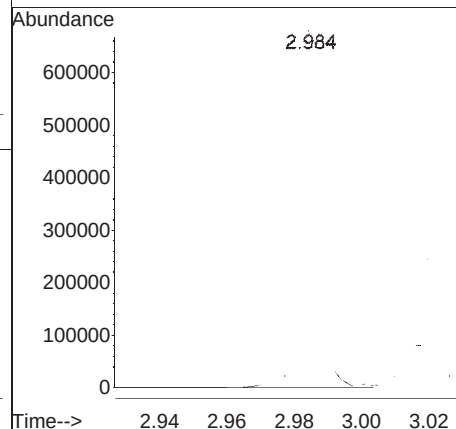
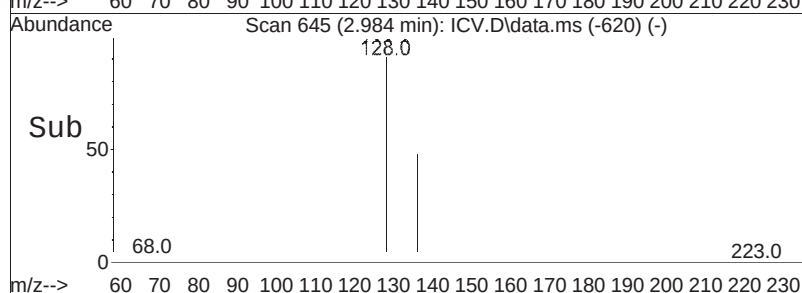
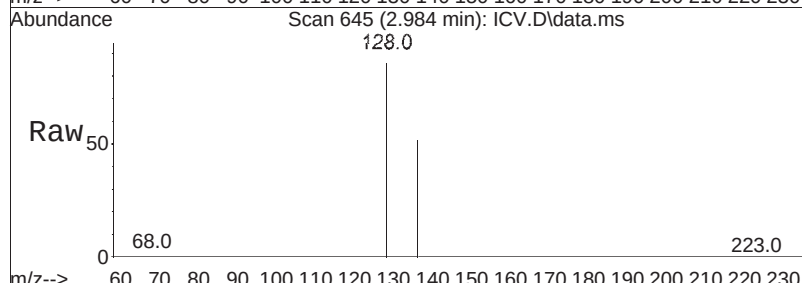
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	68051		
201	99.8	80.2	120.2	

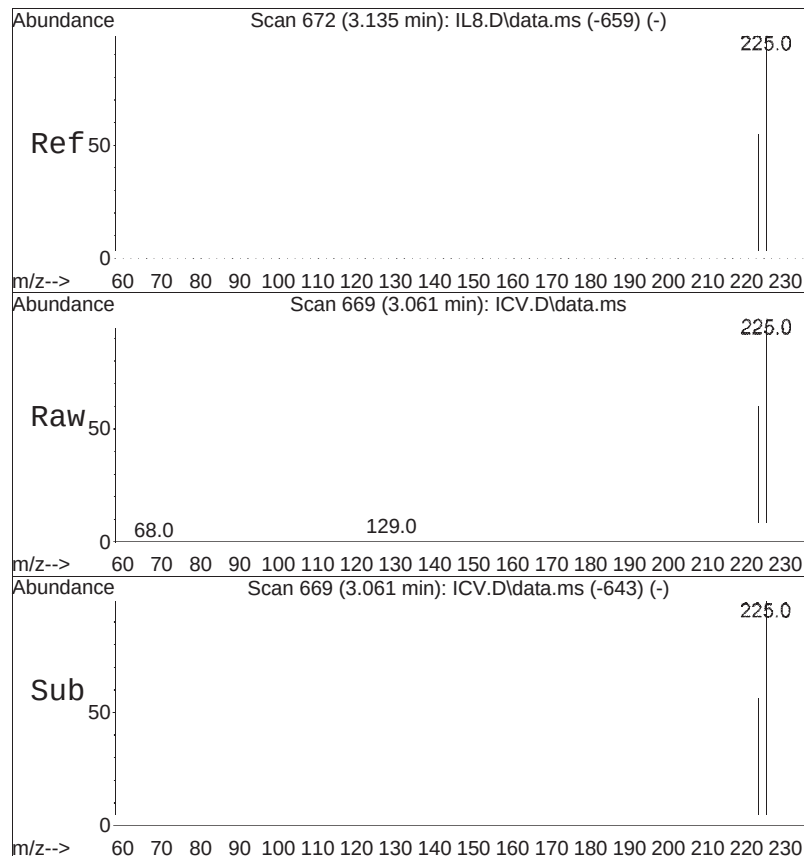




#10
Naphthalene
Concen: 942.26 ng/ml
RT: 2.984 min Scan# 645
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 08 Sep 2025 09:48 pm

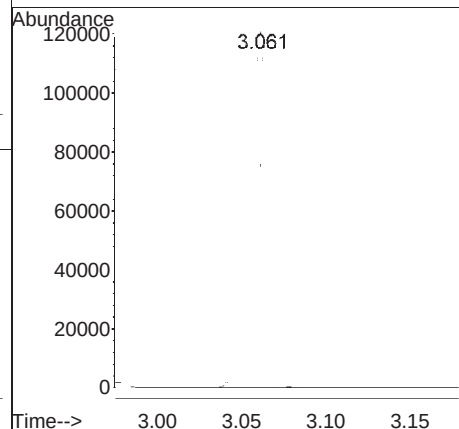
Tgt Ion	128	Resp	536172
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	13.2	10.6	15.8

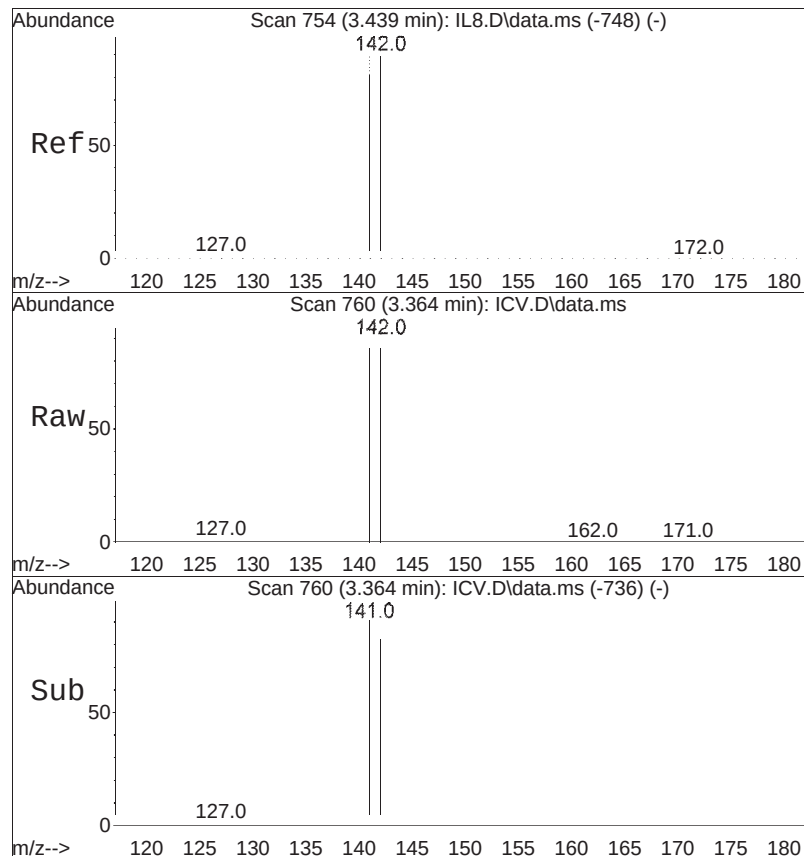




#11
 Hexachlorobutadiene
 Concen: 989.75 ng/ml
 RT: 3.061 min Scan# 669
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

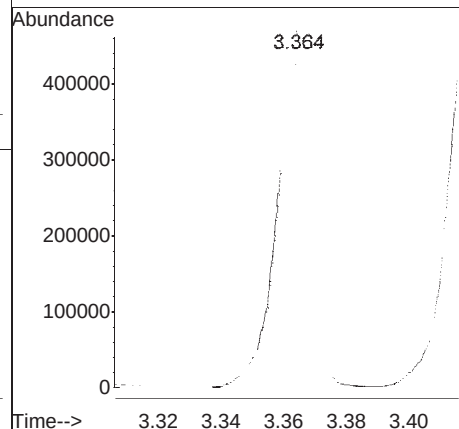
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	75.8

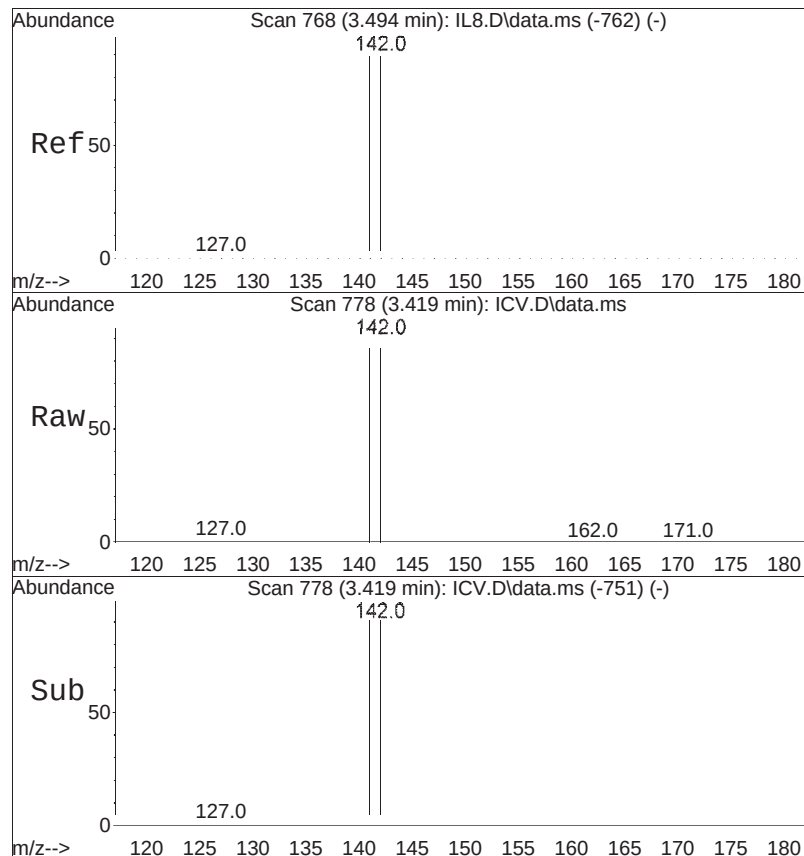




#12
 2-Methylnaphthalene
 Concen: 1044.09 ng/ml
 RT: 3.364 min Scan# 760
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

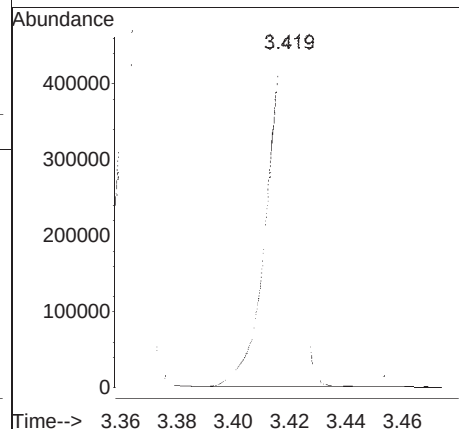
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.2	111.4

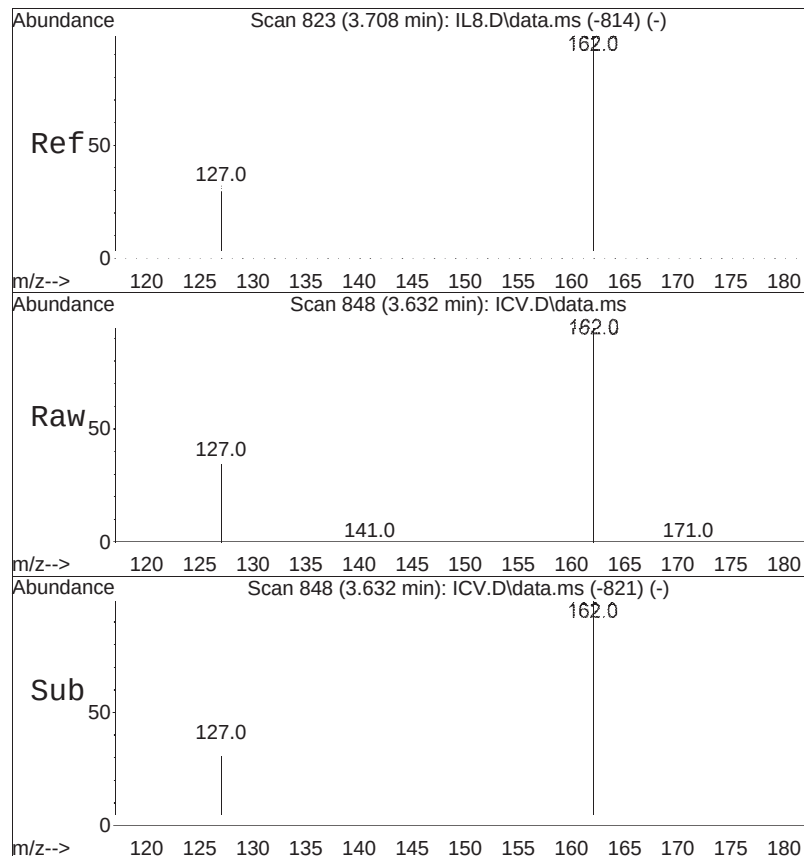




#13
 1-Methylnaphthalene
 Concen: 985.58 ng/ml
 RT: 3.419 min Scan# 778
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

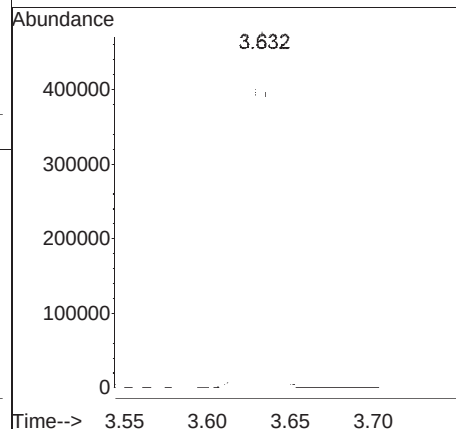
Tgt Ion:	142	Resp:	351657
Ion Ratio	Lower	Upper	
142	100		
141	95.0	76.3	114.5

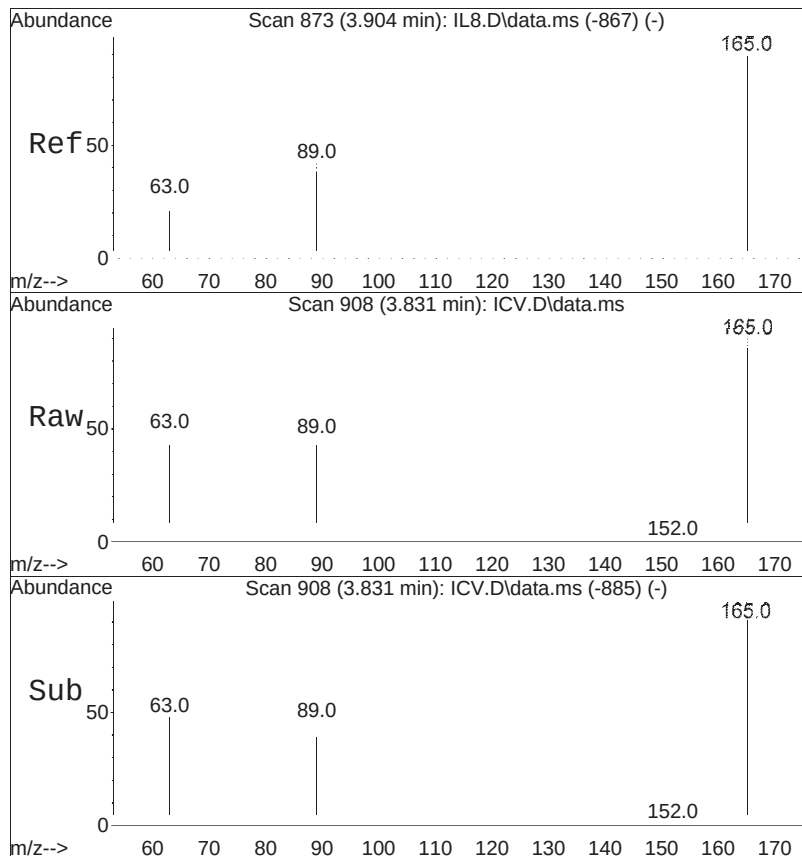




#15
 2-Chloronaphthalene
 Concen: 991.58 ng/ml
 RT: 3.632 min Scan# 848
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

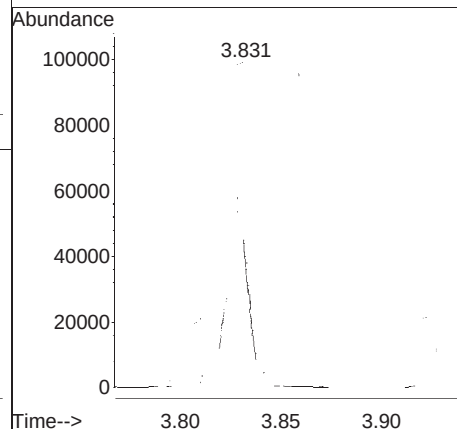
Tgt Ion:	162	Resp:	369582
Ion Ratio	Lower	Upper	
162	100		
127	37.6	30.0	45.0

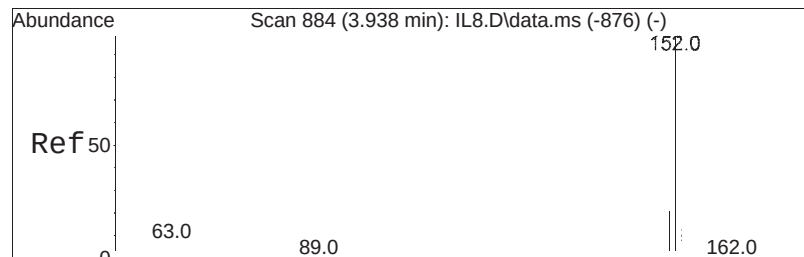




#16
 2,6-Dinitrotoluene
 Concen: 1067.88 ng/ml
 RT: 3.831 min Scan# 908
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

Tgt Ion:	165	Resp:	73472
Ion Ratio	Lower	Upper	
165	100		
89	52.8	43.1	64.7
63	54.7	43.4	65.2





#17

Acenaphthylene

Concen: 1040.10 ng/ml

RT: 3.862 min Scan# 918

Delta R.T. 0.002 min

Lab File: ICV.D

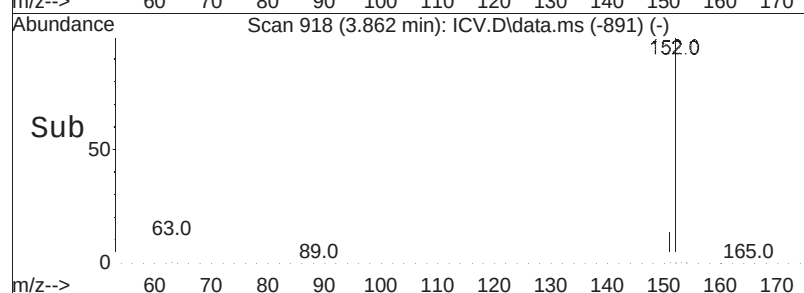
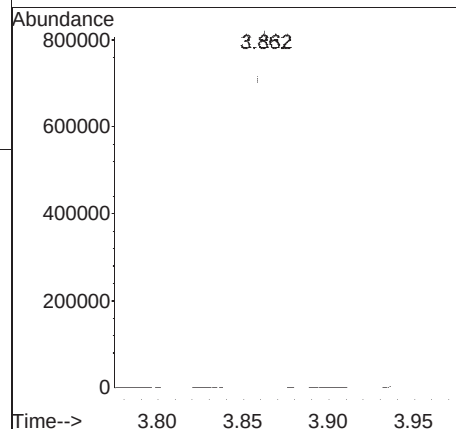
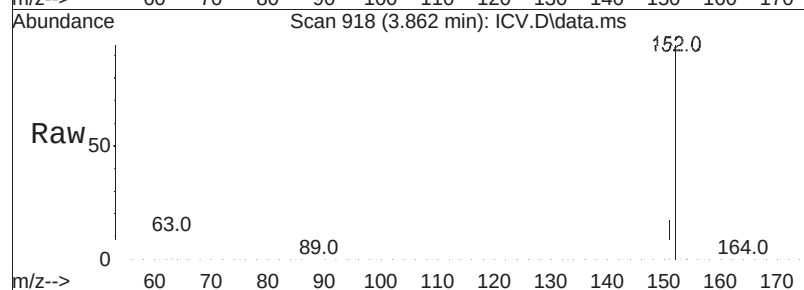
Acq: 08 Sep 2025 09:48 pm

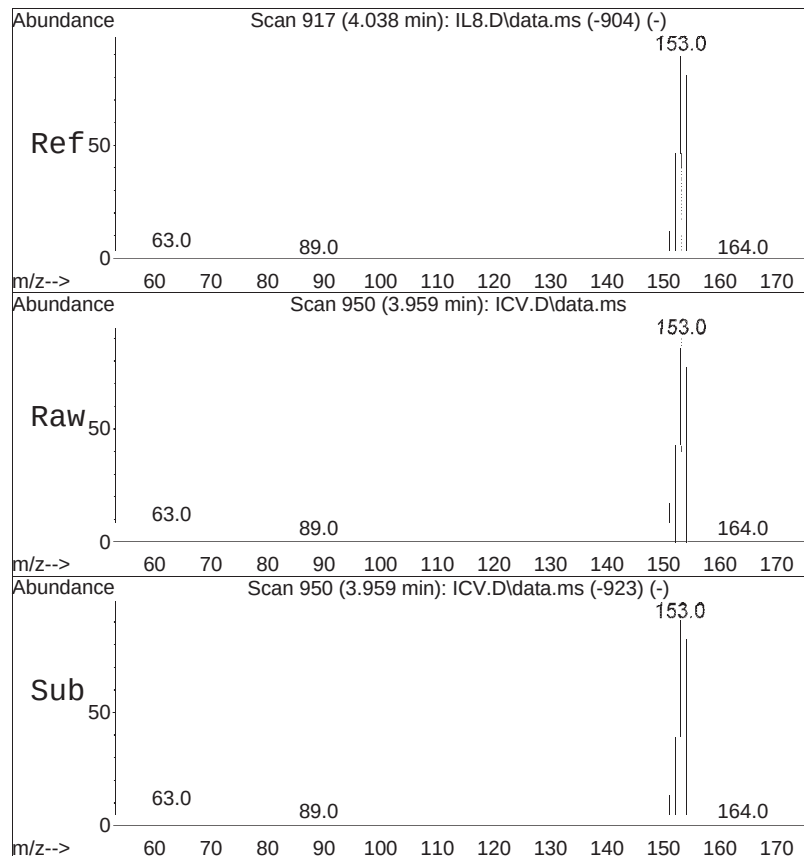
Tgt Ion:152 Resp: 612911

Ion Ratio Lower Upper

152 100

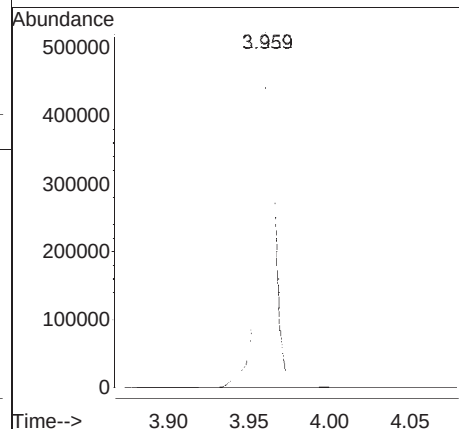
151 20.2 16.1 24.1

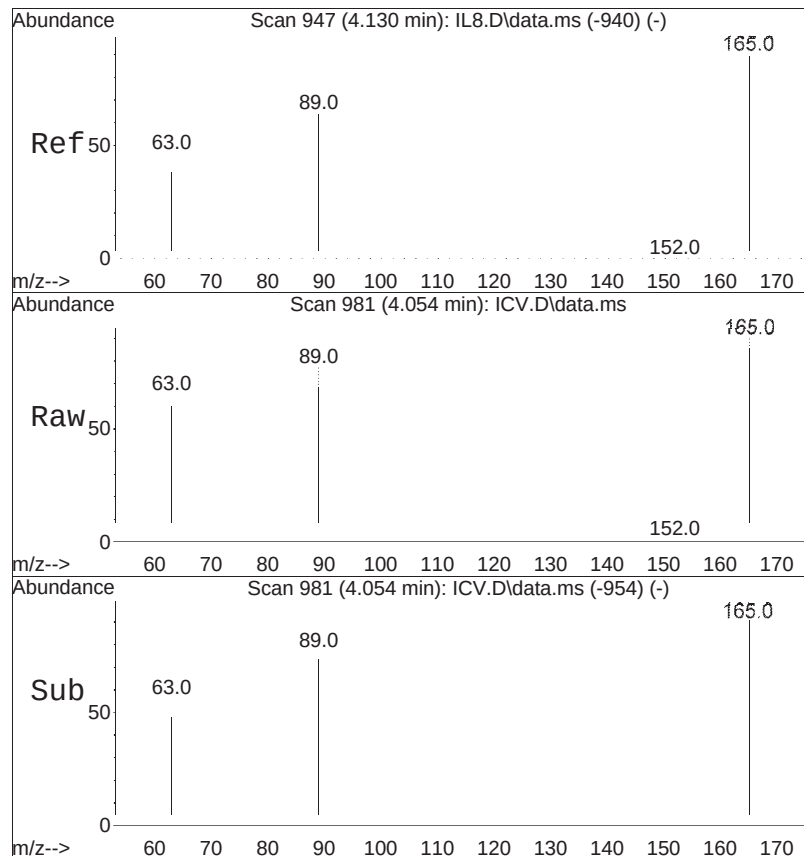




#19
 Acenaphthene
 Concen: 981.13 ng/ml
 RT: 3.959 min Scan# 950
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

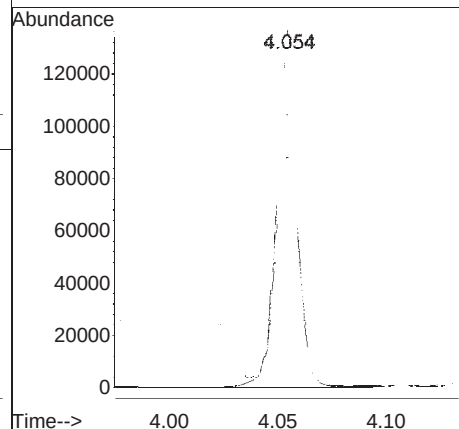
Tgt Ion	Ratio	Lower	Upper
153	100		
154	90.9	72.2	108.4

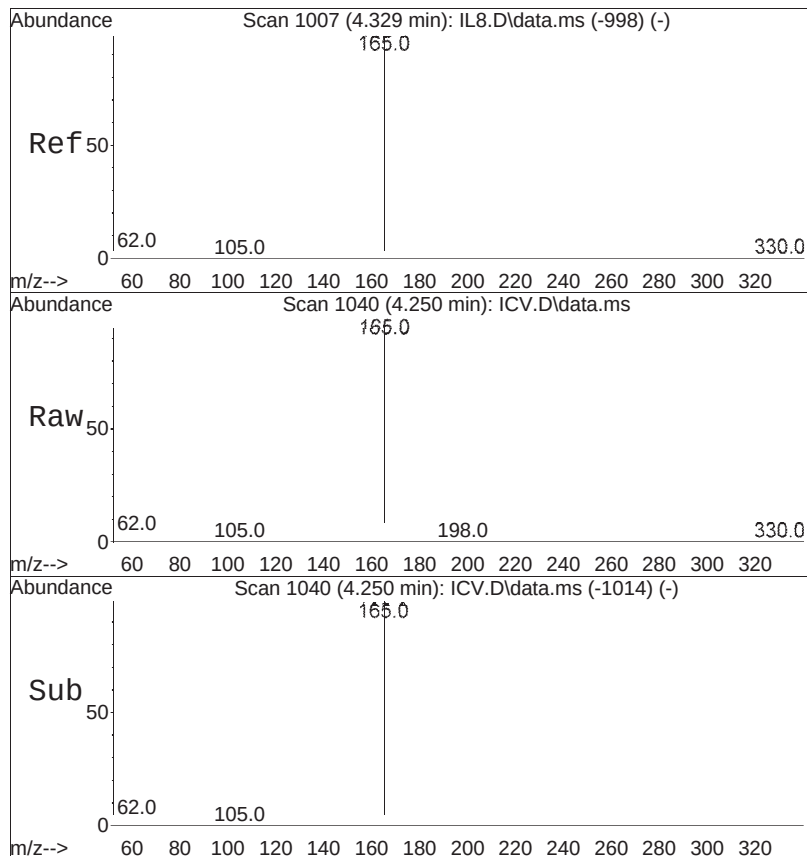




#20
 2,4-Dinitrotoluene
 Concen: 944.29 ng/ml
 RT: 4.054 min Scan# 981
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

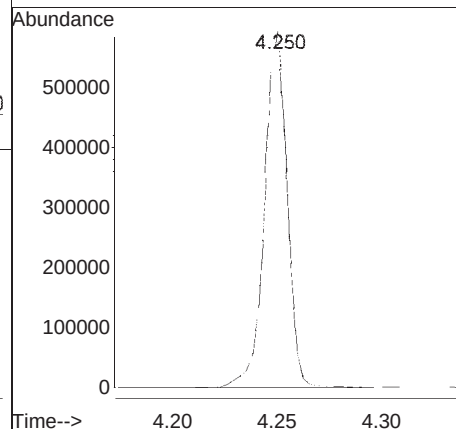
Tgt Ion:	165	Resp:	97688
Ion Ratio	Lower	Upper	
165	100		
89	78.2	62.5	93.7
63	67.1	53.8	80.6

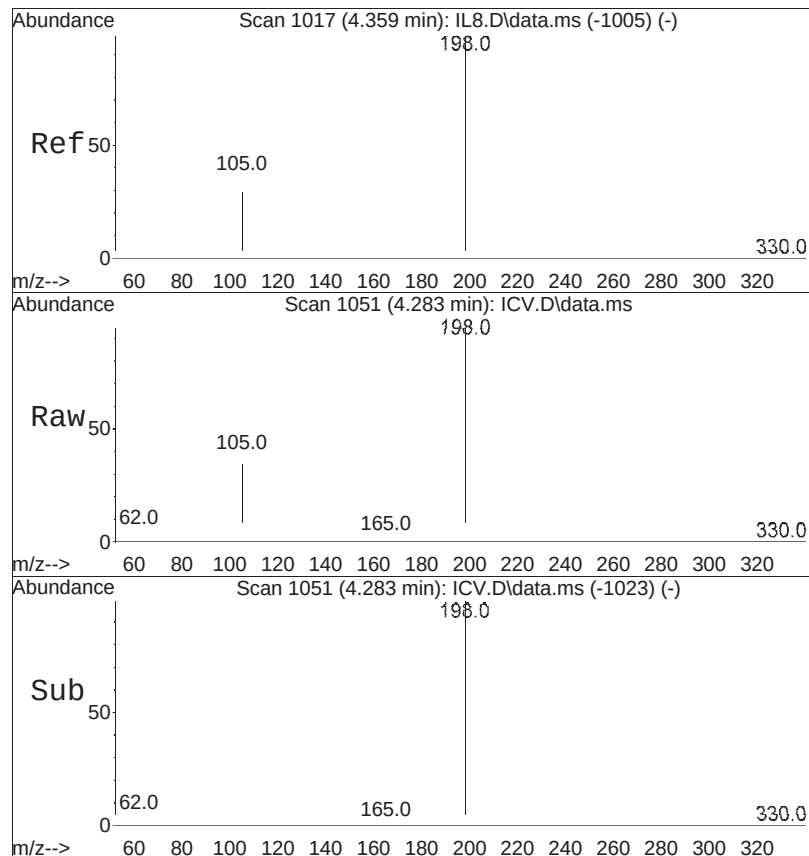




#21
 Fluorene
 Concen: 1001.51 ng/ml
 RT: 4.250 min Scan# 1040
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

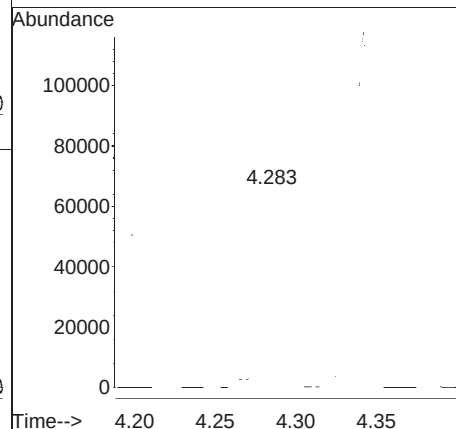
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	440710		
165	101.3		81.5	122.3

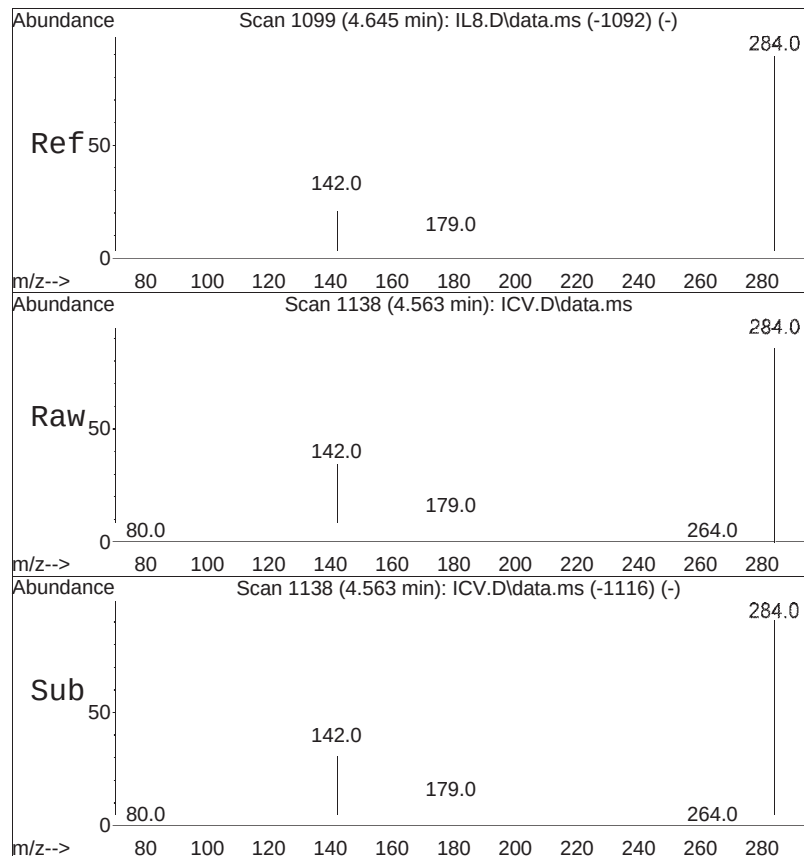




#24
 4,6-Dinitro-o-cresol
 Concen: 914.38 ng/ml
 RT: 4.283 min Scan# 1051
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

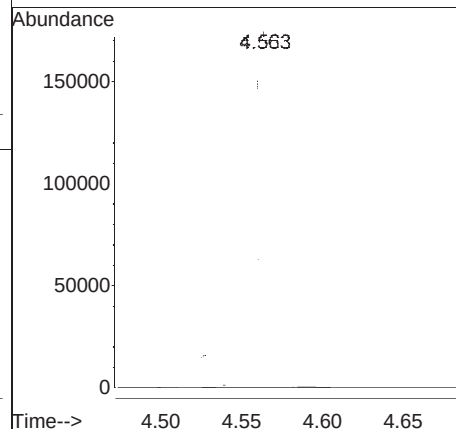
Tgt Ion	Ratio	Resp	Lower	Upper
198	100	48509		
105	44.8		35.4	53.0

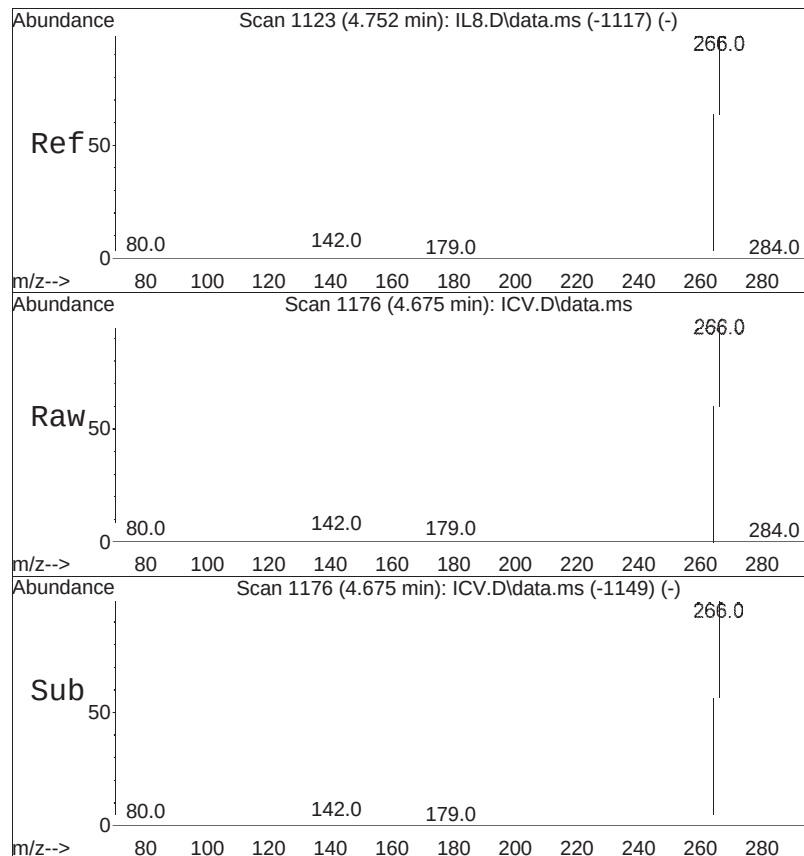




#25
 Hexachlorobenzene
 Concen: 988.16 ng/ml
 RT: 4.563 min Scan# 1138
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

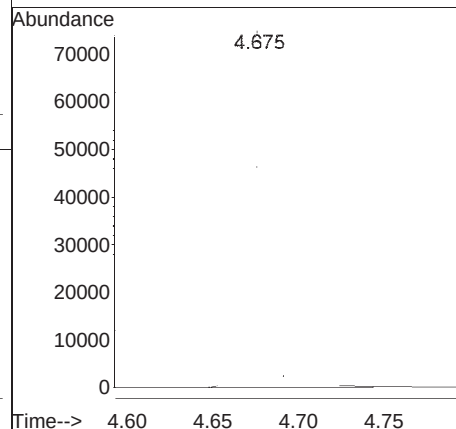
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.1	29.4	44.2

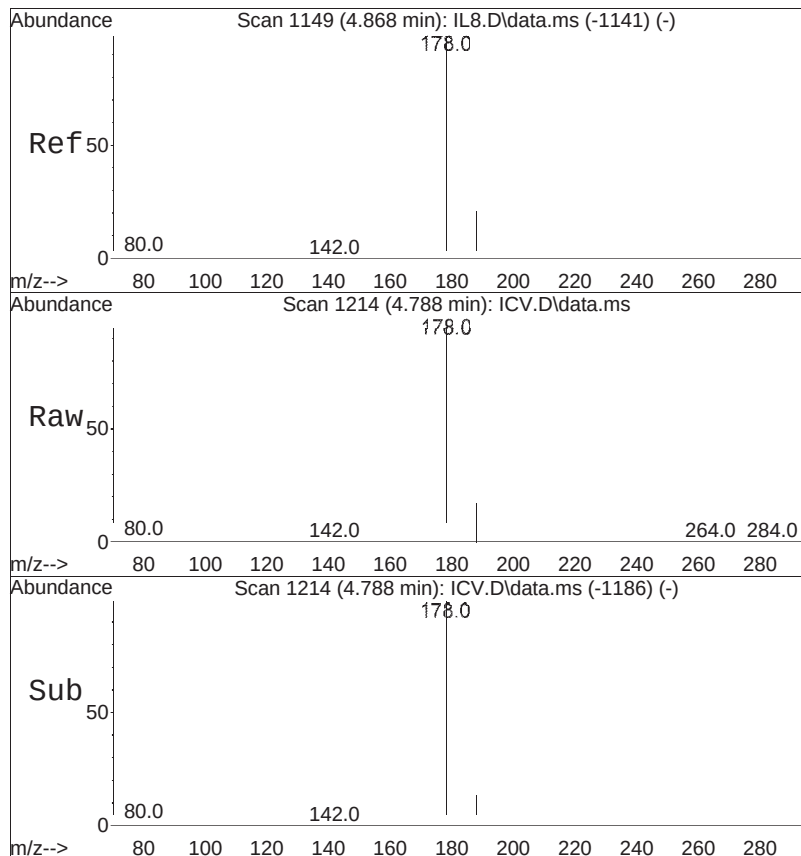




#26
 Pentachlorophenol
 Concen: 1278.75 ng/ml
 RT: 4.675 min Scan# 1176
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

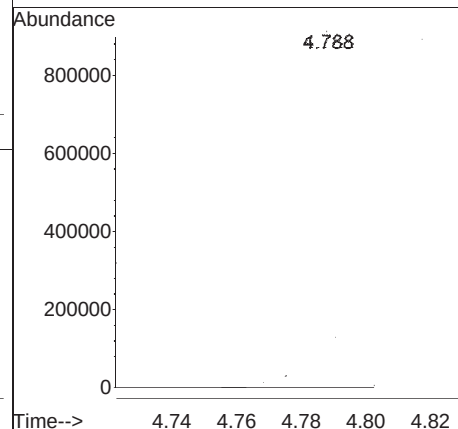
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	57695		
264	62.9		49.9	74.9

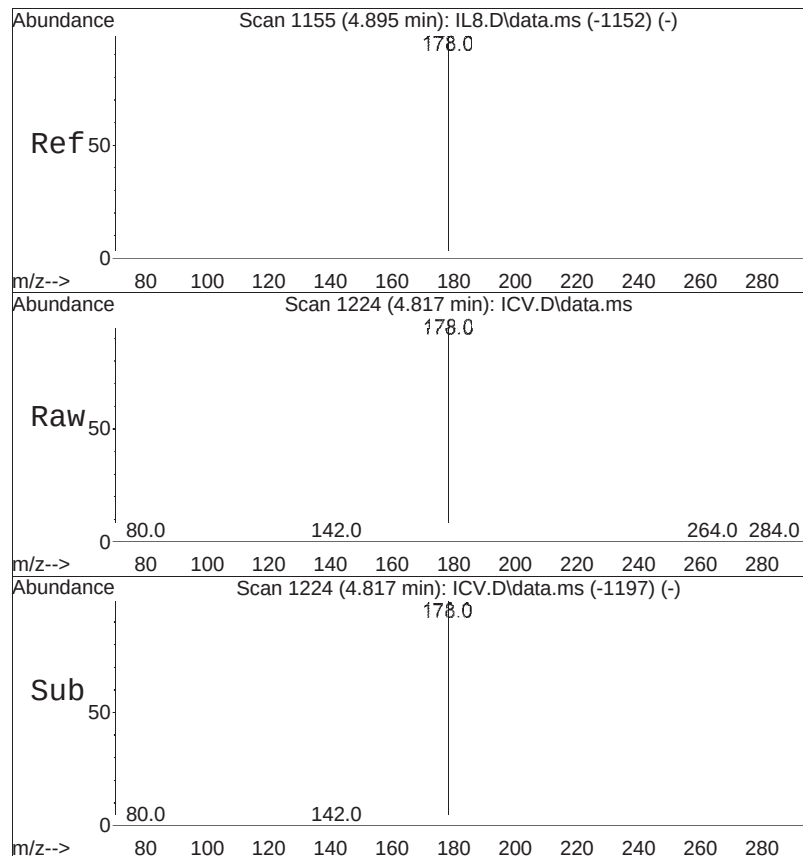




#27
 Phenanthrene
 Concen: 960.07 ng/ml
 RT: 4.788 min Scan# 1214
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

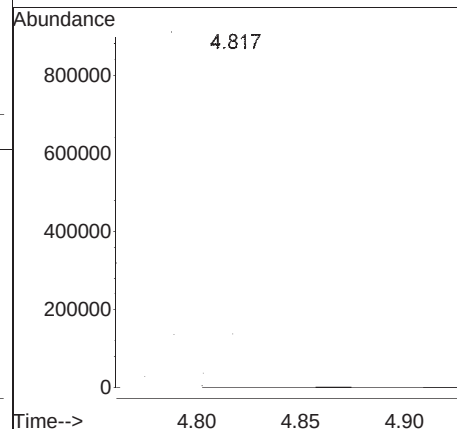
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7

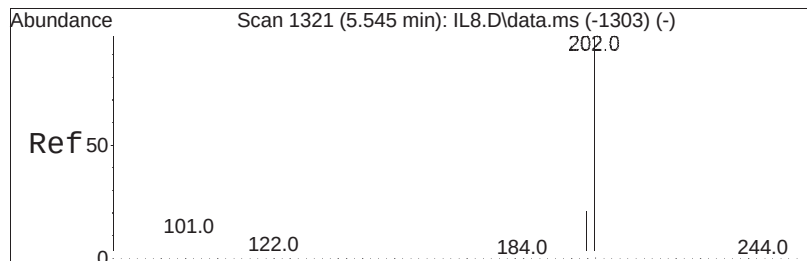




#28
 Anthracene
 Concen: 1013.09 ng/ml
 RT: 4.817 min Scan# 1224
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

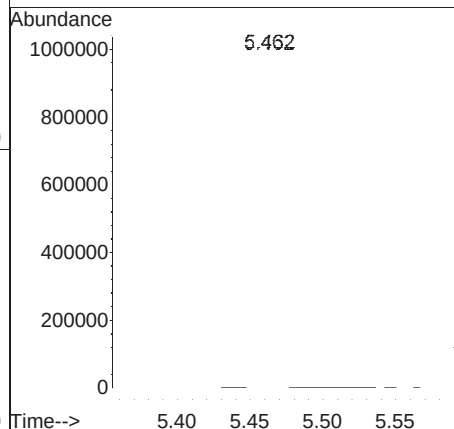
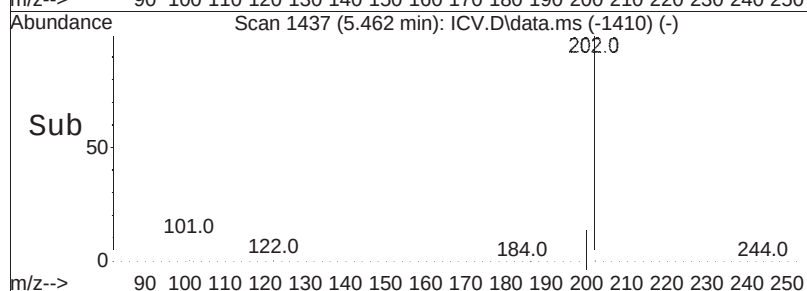
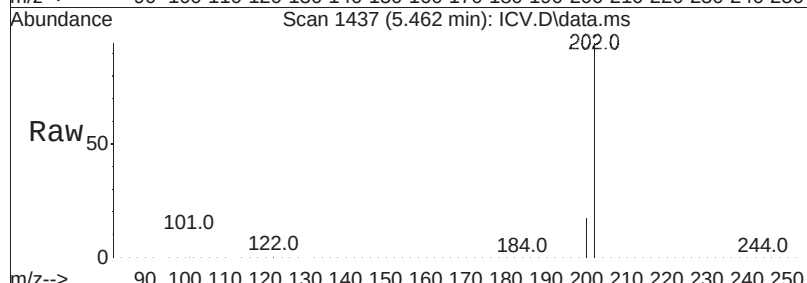
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

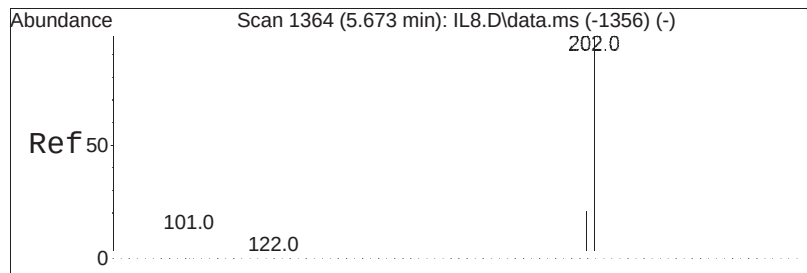




#29
 Fluoranthene
 Concen: 1018.49 ng/ml
 RT: 5.462 min Scan# 1437
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

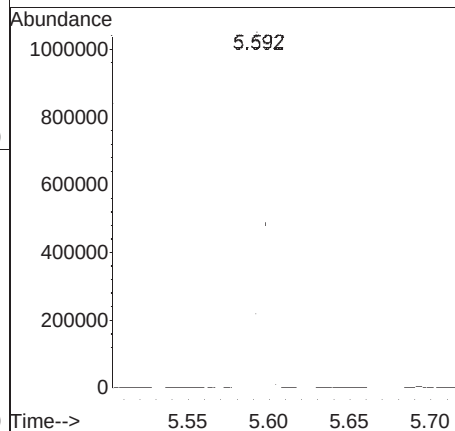
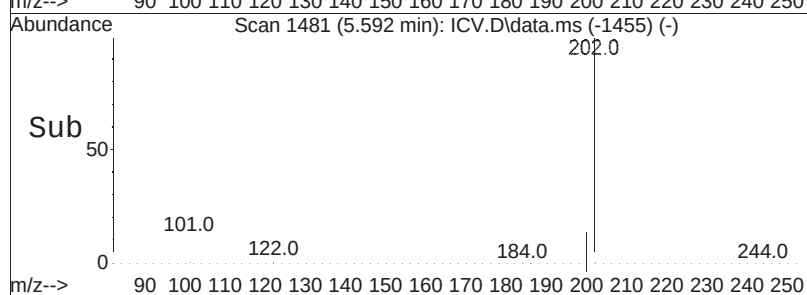
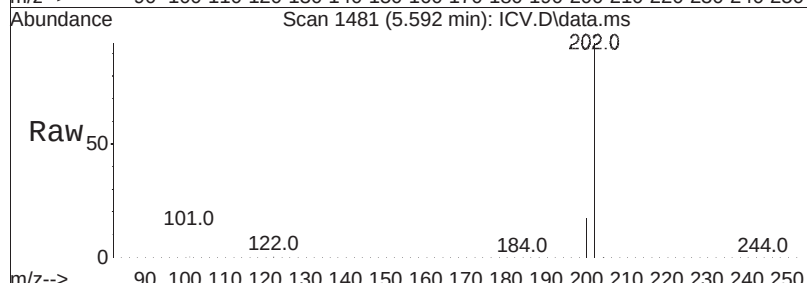
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	738541		
101	10.2		8.3	12.5

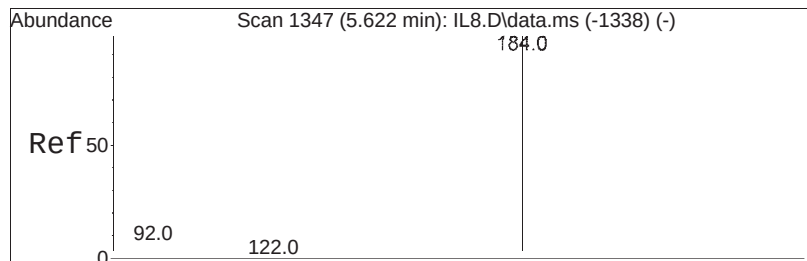




#30
 Pyrene
 Concen: 1008.72 ng/ml
 RT: 5.592 min Scan# 1481
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

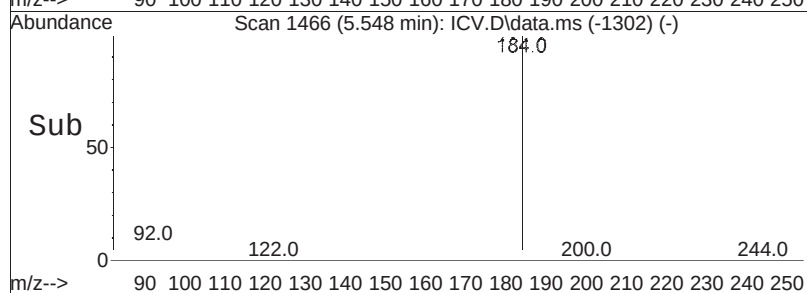
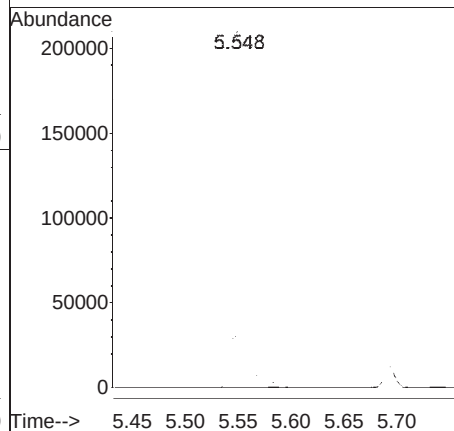
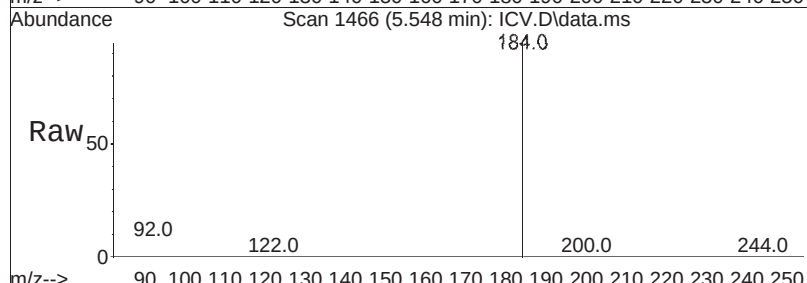
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2

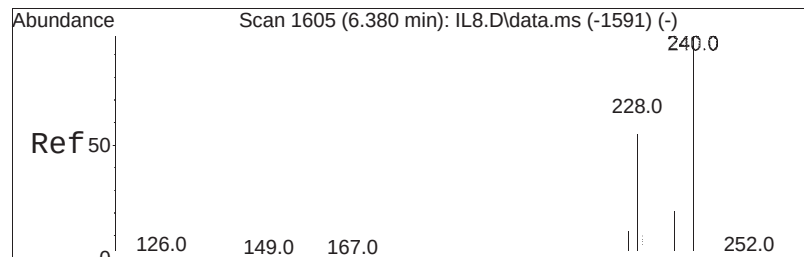




#31
Benzidine
Concen: 697.70 ng/mL
RT: 5.548 min Scan# 1466
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 08 Sep 2025 09:48 pm

Tgt Ion	Ratio	Lower	Upper
184	100		
92	6.7	5.4	8.0
185	14.4	11.2	16.8





#34

Benzo[a]anthracene

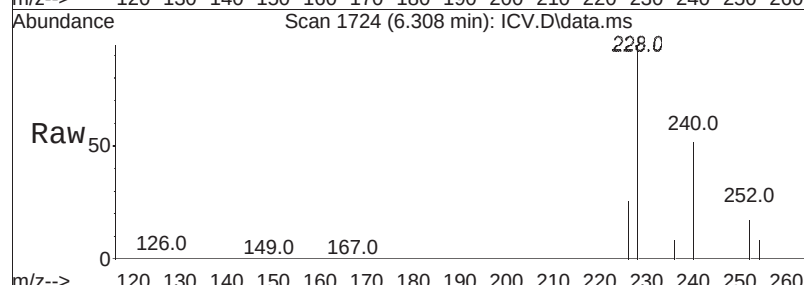
Concen: 1016.93 ng/ml

RT: 6.308 min Scan# 1724

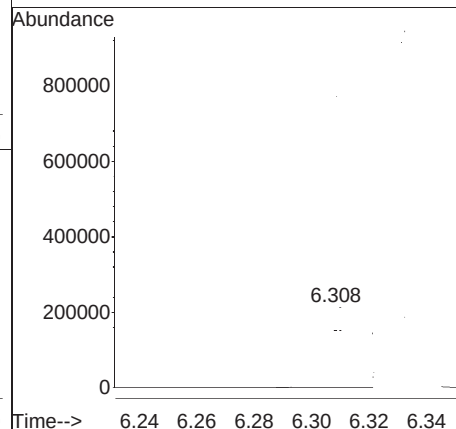
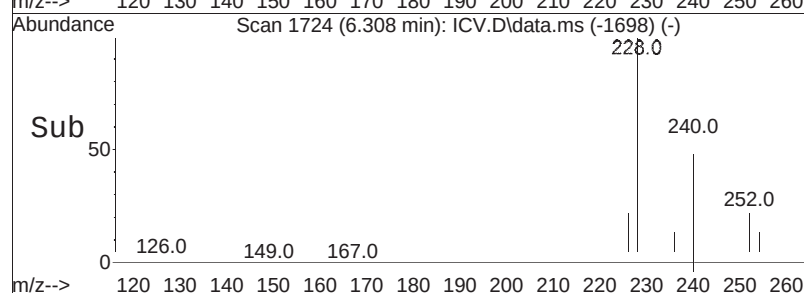
Delta R.T. -0.009 min

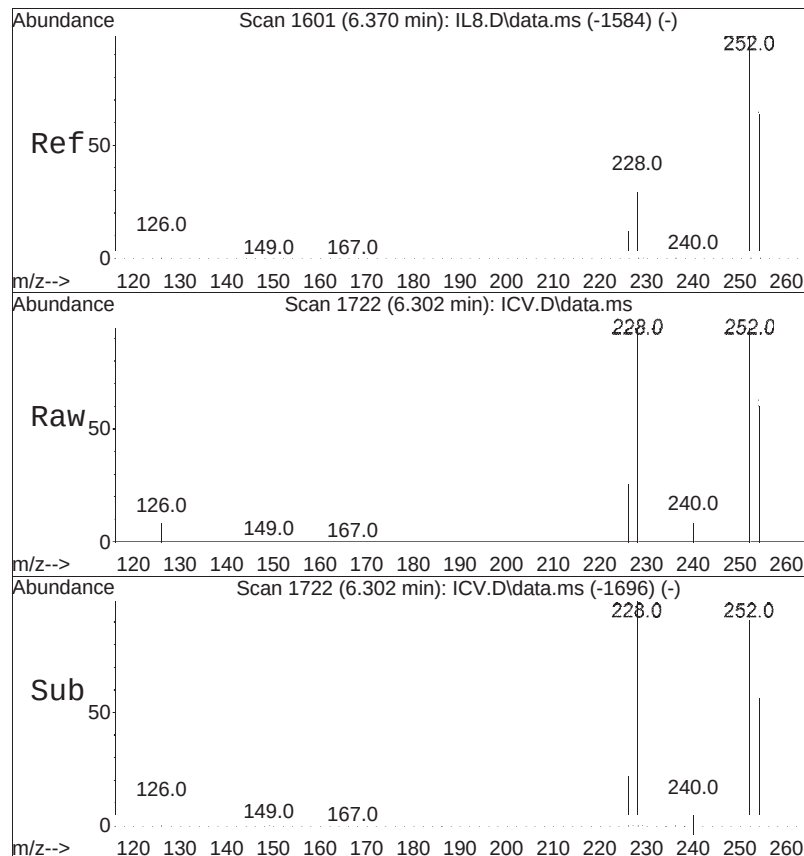
Lab File: ICV.D

Acq: 08 Sep 2025 09:48 pm



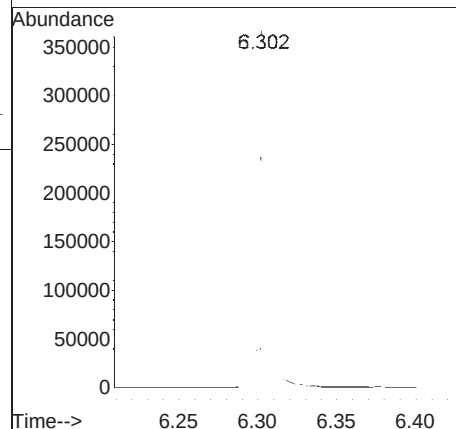
Tgt Ion:	226	Resp:	192491
Ion Ratio	Lower	Upper	
226	100		
229	70.3	56.4	84.6
228	357.0	287.5	431.3
229	70.3	56.4	84.6

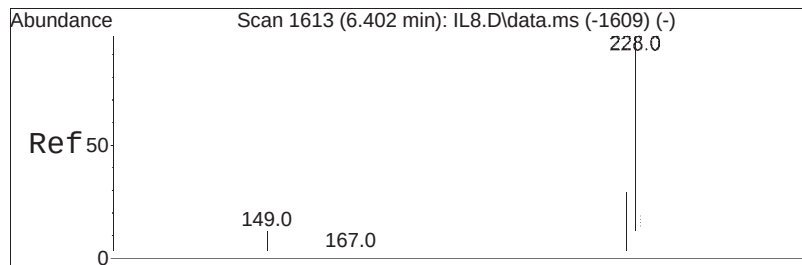




#35
 3,3'-Dichlorobenzidine
 Concen: 1009.51 ng/ml
 RT: 6.302 min Scan# 1722
 Delta R.T. -0.009 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

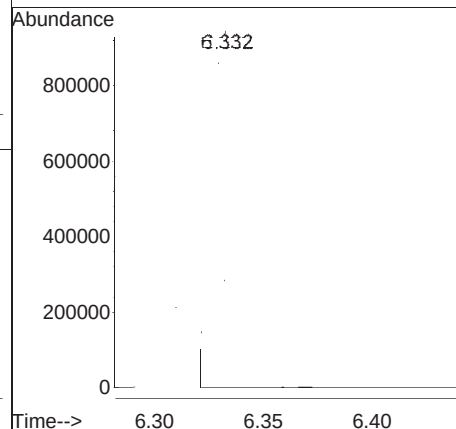
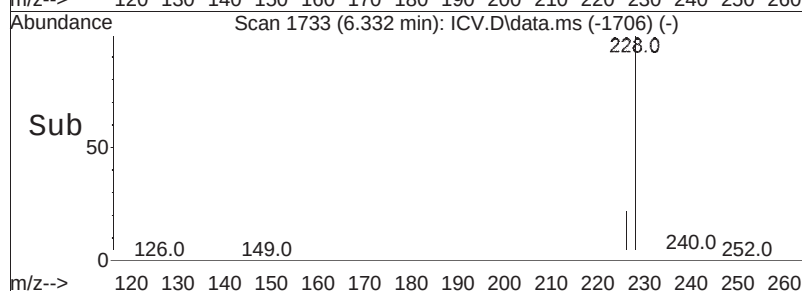
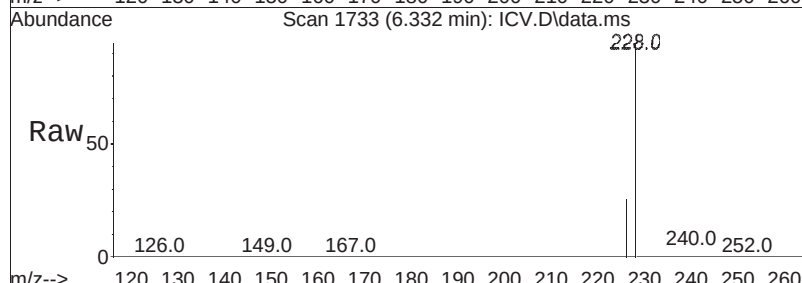
Tgt	Ion:252	Resp:	256293
Ion	Ratio	Lower	Upper
252	100		
126	13.5	10.6	16.0
254	64.5	51.6	77.4

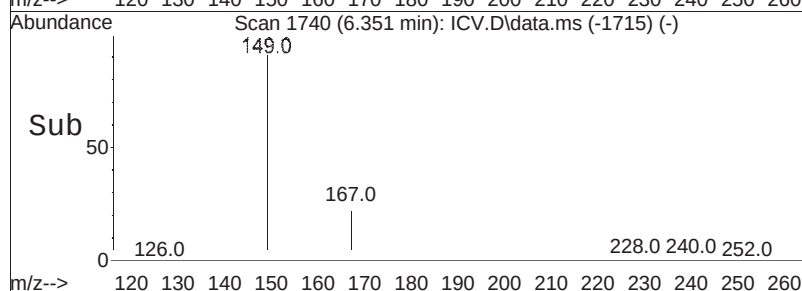
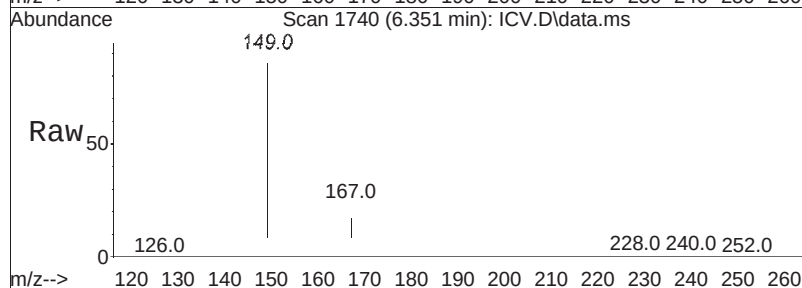
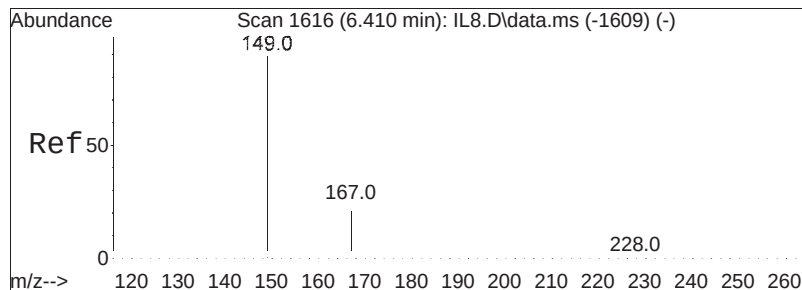




#36
 Chrysene
 Concen: 1012.72 ng/ml
 RT: 6.332 min Scan# 1733
 Delta R.T. -0.007 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

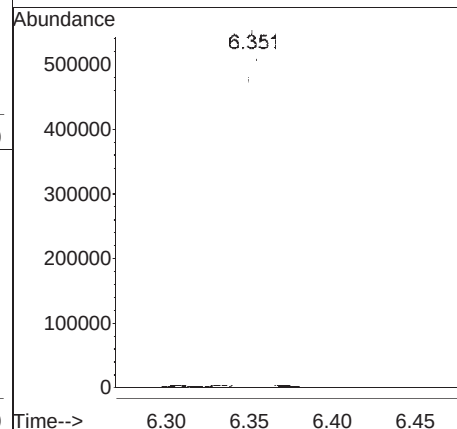
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5

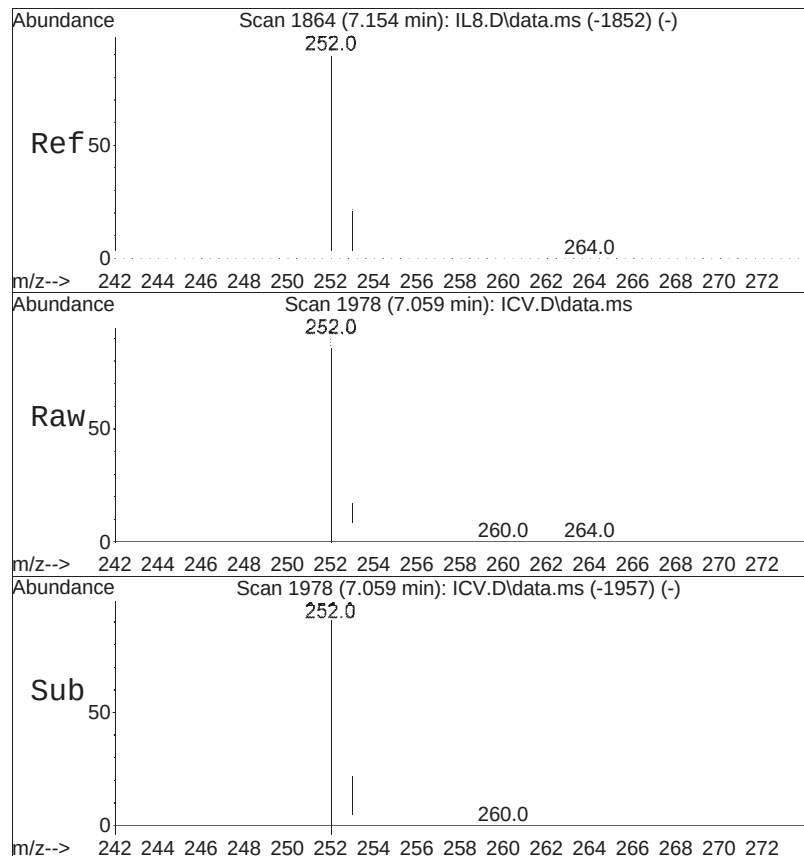




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 1054.03 ng/ml
 RT: 6.351 min Scan# 1740
 Delta R.T. -0.012 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

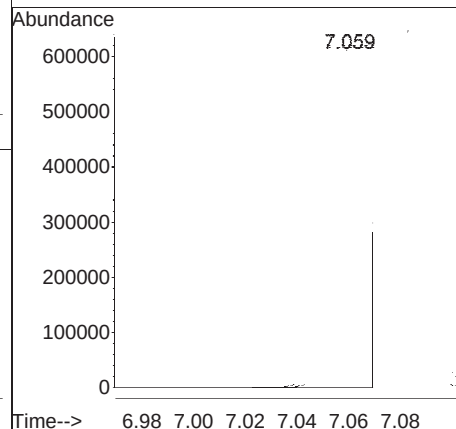
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.8	19.7	29.5

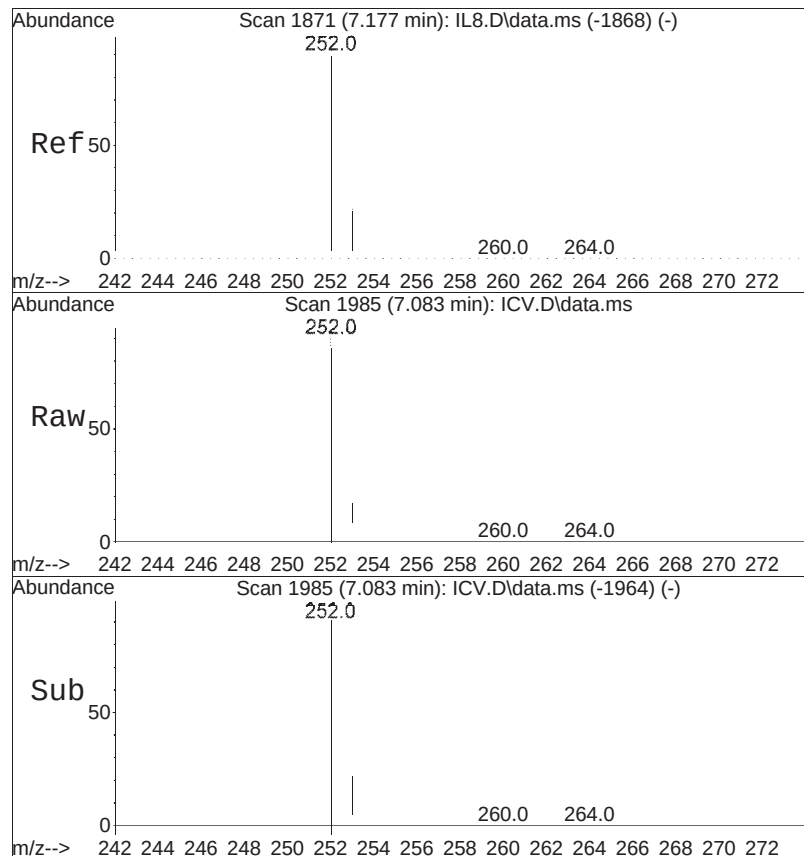




#39
 Benzo[b]fluoranthene
 Concen: 986.07 ng/ml
 RT: 7.059 min Scan# 1978
 Delta R.T. -0.009 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

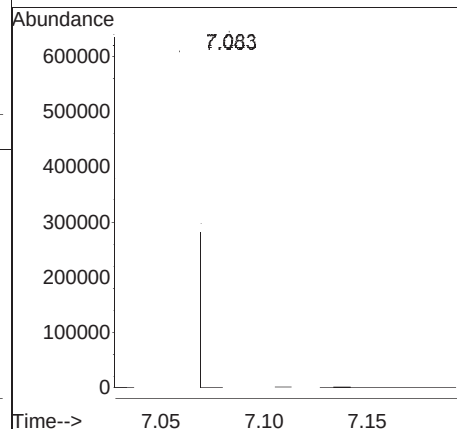
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.2	28.8

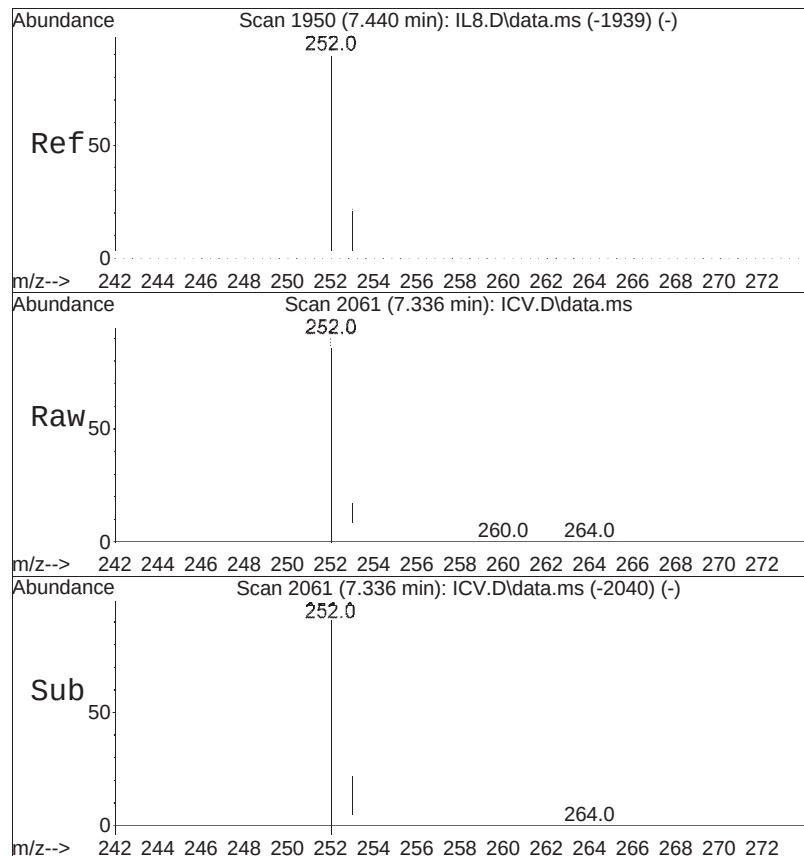




#40
 Benzo[k]fluoranthene
 Concen: 1012.07 ng/ml
 RT: 7.083 min Scan# 1985
 Delta R.T. -0.008 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

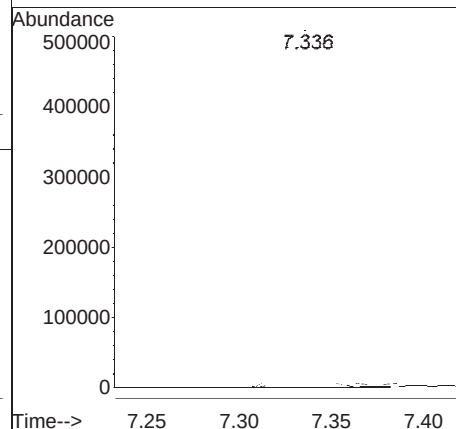
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.1	15.8	23.8

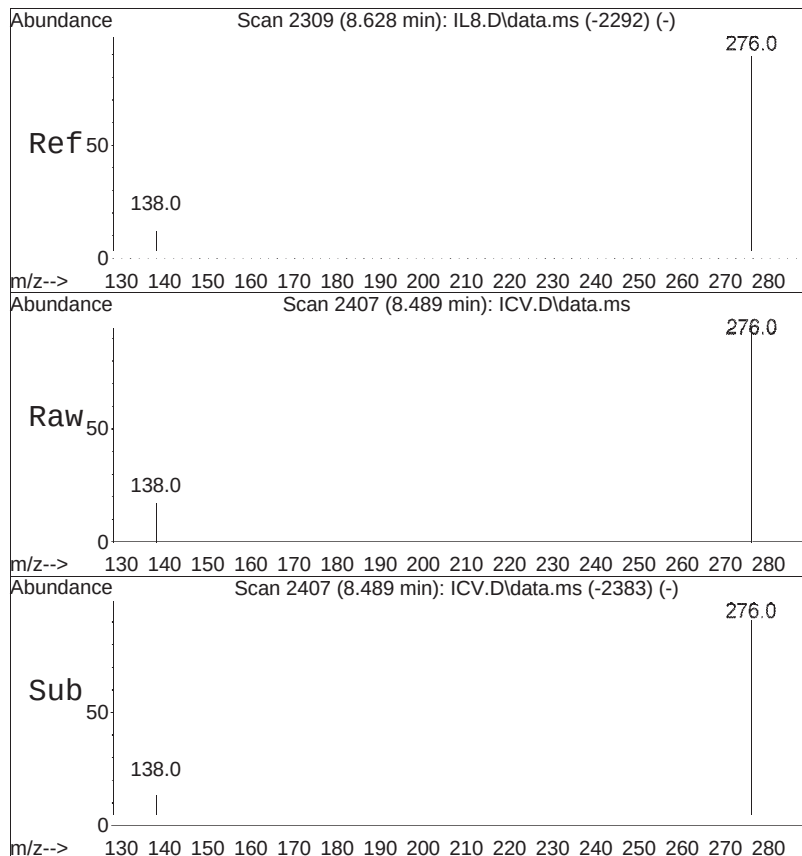




#41
 Benzo[a]pyrene
 Concen: 1044.54 ng/ml
 RT: 7.336 min Scan# 2061
 Delta R.T. -0.008 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

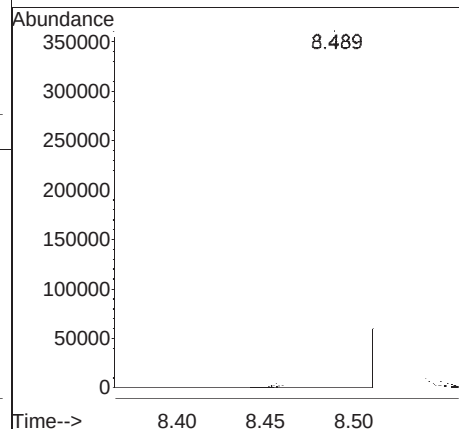
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

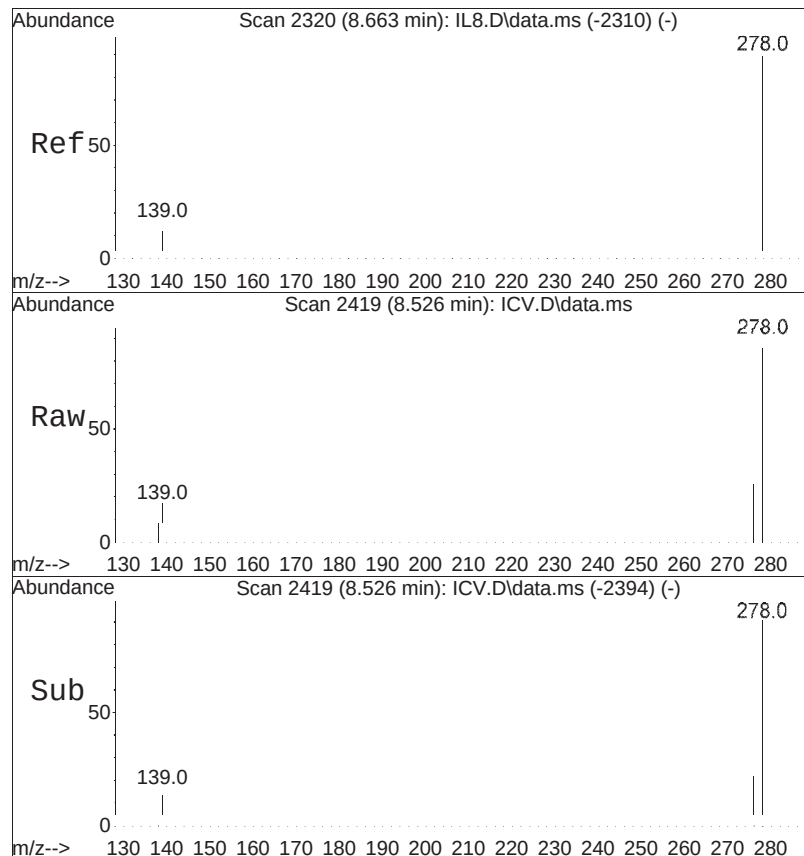




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1039.27 ng/ml
 RT: 8.489 min Scan# 2407
 Delta R.T. -0.005 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

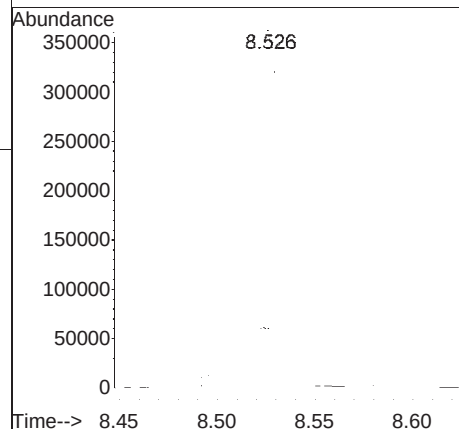
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	15.9	23.9

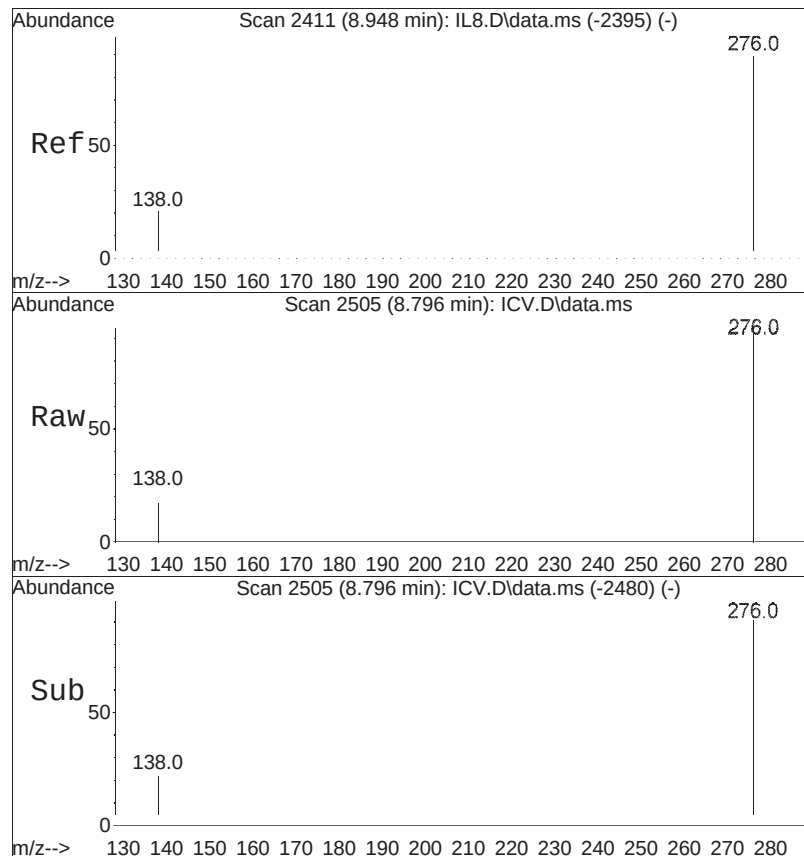




#43
 Dibenzo[a,h]anthracene
 Concen: 994.10 ng/ml M6
 RT: 8.526 min Scan# 2419
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

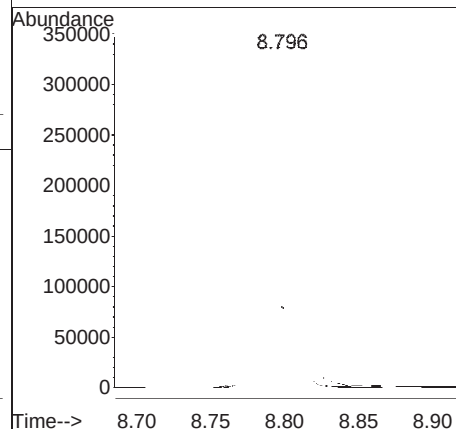
Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1017.53 ng/ml
 RT: 8.796 min Scan# 2505
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

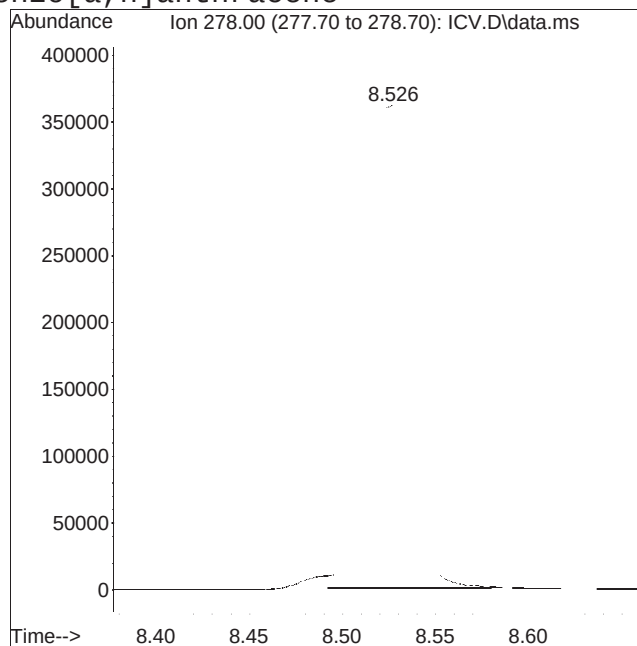
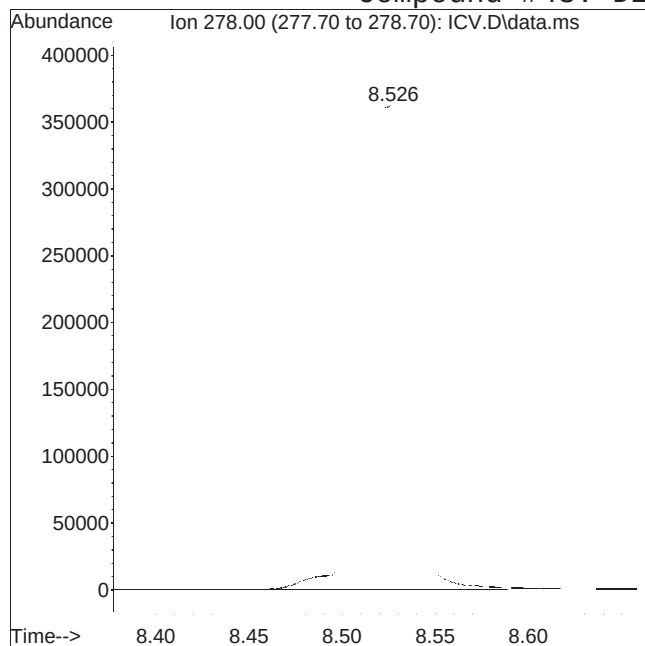
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.1	27.1



Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : ICV.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 9:48 pm Instrument : SV125
Sample : CQICV1,32,,1 Lot# 11696 Quant Date : 9/9/2025 3:11 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 536500

Manual Peak Response = 516804 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Method Path : I:\8270SIM\SV125\250908RVTical\
 Method File : SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 09 15:24:20 2025

COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE

20 T 2,4-Dinitrotoluene	L	ng/ml	1000.0	961.336	-3.9	40.00	46.809	17.0
24 T 4,6-Dinitro-o-cresol	L	ng/ml	1000.0	913.011	-8.7	40.00	51.229	28.1
26 T Pentachlorophenol	Q	ng/ml	1000.0	946.025	-5.4	40.00	57.024	42.6
31 T Benzidine	L	ng/ml	1000.0	852.385	-14.8	100.00	284.959	185.0
34 T Benzo[a]anthracene	L	ng/ml	1000.0	995.753	-0.4	2.00	2.274	13.7
35 T 3,3'-Dichlorobenzidine	L	ng/ml	1000.0	956.649	-4.3	40.00	46.929	17.3
37 T Bis(2-ethylhexyl)phthalate	Q	ng/ml	1000.0	962.710	-3.7	40.00	46.513	16.3

Calibration Correlation Report

COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant

20 T 2,4-Dinitrotoluene	Linear	0.998984	0.000000	0.344478	-0.00184703
24 T 4,6-Dinitro-o-cresol	Linear	0.997251	0.000000	0.0939885	-0.000821303
26 T Pentachlorophenol	Quadratic	0.995013	0.037784	0.0676049	-0.000896938
31 T Benzidine	Linear	0.995243	0.000000	0.711216	-0.0504464
34 T Benzo[a]anthracene	Linear	0.999402	0.000000	0.384304	0.000194568
35 T 3,3'-Dichlorobenzidine	Linear	0.999130	0.000000	0.528787	-0.00310821
37 T Bis(2-ethylhexyl)phthalate	Quadratic	0.999041	0.129554	0.718216	-0.0033967

Continuing Calibration

Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Lab File ID : CCV0909A
 Sample No : WG2112407-3
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/09/25 09:20
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	81	0
N-Nitrosodimethylamine	0.648	0.67	.05	-3.4	20	81	0
2-Fluorophenol	0.988	1.167	.05	-18.1	20	89	0
Phenol-d6	1.22	1.356	.05	-11.1	20	84	0
Bis(2-chloroethyl)ether	1.1	1.078	.05	2	20	76	0
n-nitrosodi-n-propylamine	0.731	0.713	.05	2.5	20	77	0
Hexachloroethane	0.502	0.492	.05	2	20	80	0
Nitrobenzene-d5	0.974	1.024	.05	-5.1	20	78	0
Naphthalene-d8	1	1	.05	0	20	80	0
Naphthalene	1.058	0.975	.05	7.8	20	78	0
Hexachlorobutadiene	0.175	0.165	.05	5.7	20	76	0
2-Methylnaphthalene	0.617	0.603	.05	2.3	20	78	0
1-Methylnaphthalene	0.663	0.639	.05	3.6	20	79	0
2-Fluorobiphenyl	0.816	0.771	.05	5.5	20	78	0
2-Chloronaphthalene	0.693	0.649	.05	6.3	20	76	0
2,6-Dinitrotoluene	0.128	0.134	.05	-4.7	20	80	0
Acenaphthylene	1.095	1.085	.05	0.9	20	76	0
Acenaphthene-d10	1	1	.05	0	20	79	0
Acenaphthene	1.279	1.225	.05	4.2	20	77	0
2,4-Dinitrotoluene	1000	943.536	.05	5.6	20	78	0
Fluorene	1.432	1.394	.05	2.7	20	77	0
2,4,6-Tribromophenol	0.149	0.187	.05	-25.5*	20	87	0
Phenanthrene-d10	1	1	.05	0	20	80	0
4,6-Dinitro-o-cresol	1000	938.407	.05	6.2	20	82	0
Hexachlorobenzene	0.217	0.203	.05	6.5	20	75	0
Pentachlorophenol	1000	1215.8	.05	-21.6*	20	108	0
Phenanthrene	1.143	1.093	.05	4.4	20	78	0
Anthracene	1.09	1.058	.05	2.9	20	77	0
Fluoranthene	1.236	1.23	.05	0.5	20	80	0
Pyrene	1.268	1.278	.05	-0.8	20	79	0
Benzidine	1000	672.402	.05	32.8*	20	55	0
4-Terphenyl-d14	0.802	0.779	.05	2.9	20	80	0
Chrysene-d12	1	1	.05	0	20	81	0
Benzo[a]anthracene	1000	995.614	.05	0.4	20	81	0
3,3'-Dichlorobenzidine	1000	952.47	.05	4.8	20	80	0
Chrysene	1.27	1.296	.05	-2	20	79	0
Bis(2-ethylhexyl)phthalate	1000	978.06	.05	2.2	20	82	0
Perylene-d12	1	1	.05	0	20	81	0
Benzo[b]fluoranthene	1.265	1.344	.05	-6.2	20	86	0
Benzo[k]fluoranthene	1.282	1.333	.05	-4	20	79	0
Benzo[a]pyrene	1.119	1.214	.05	-8.5	20	83	0
Indeno[1,2,3-cd]pyrene	1.063	1.143	.05	-7.5	20	82	0
Dibenzo[a,h]anthracene	1.054	1.087	.05	-3.1	20	81	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV125
Lab File ID : CCV0909A
Sample No : WG2112407-3
Channel :

Lab Number : L2555605
Project Number : 2232.0006Y005
Calibration Date : 09/09/25 09:20
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.121	.05	-2.3	20	80	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Lab File ID : CCV0909N
 Sample No : WG2112655-3
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/09/25 21:15
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	88	0
N-Nitrosodimethylamine	0.648	0.692	.05	-6.8	20	91	0
2-Fluorophenol	0.988	1.193	.05	-20.7*	20	99	0
Phenol-d6	1.22	1.426	.05	-16.9	20	95	0
Bis(2-chloroethyl)ether	1.1	1.089	.05	1	20	84	0
n-nitrosodi-n-propylamine	0.731	0.749	.05	-2.5	20	88	0
Hexachloroethane	0.502	0.489	.05	2.6	20	86	0
Nitrobenzene-d5	0.974	1.103	.05	-13.2	20	91	0
Naphthalene-d8	1	1	.05	0	20	87	0
Naphthalene	1.058	0.977	.05	7.7	20	85	0
Hexachlorobutadiene	0.175	0.163	.05	6.9	20	82	0
2-Methylnaphthalene	0.617	0.611	.05	1	20	86	0
1-Methylnaphthalene	0.663	0.647	.05	2.4	20	87	0
2-Fluorobiphenyl	0.816	0.771	.05	5.5	20	85	0
2-Chloronaphthalene	0.693	0.652	.05	5.9	20	83	0
2,6-Dinitrotoluene	0.128	0.147	.05	-14.8	20	95	0
Acenaphthylene	1.095	1.116	.05	-1.9	20	86	0
Acenaphthene-d10	1	1	.05	0	20	87	0
Acenaphthene	1.279	1.244	.05	2.7	20	86	0
2,4-Dinitrotoluene	1000	1062.503	.05	-6.3	20	97	0
Fluorene	1.432	1.425	.05	0.5	20	86	0
2,4,6-Tribromophenol	0.149	0.199	.05	-33.6*	20	102	0
Phenanthrene-d10	1	1	.05	0	20	90	0
4,6-Dinitro-o-cresol	1000	1047.469	.05	-4.7	20	104	0
Hexachlorobenzene	0.217	0.202	.05	6.9	20	84	0
Pentachlorophenol	1000	1271.813	.05	-27.2*	20	128	0
Phenanthrene	1.143	1.09	.05	4.6	20	88	0
Anthracene	1.09	1.073	.05	1.6	20	88	0
Fluoranthene	1.236	1.245	.05	-0.7	20	91	0
Pyrene	1.268	1.288	.05	-1.6	20	90	0
Benzidine	1000	716.842	.05	28.3*	20	69	0
4-Terphenyl-d14	0.802	0.768	.05	4.2	20	90	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	1011.129	.05	-1.1	20	91	0
3,3'-Dichlorobenzidine	1000	1008.443	.05	-0.8	20	95	0
Chrysene	1.27	1.286	.05	-1.3	20	88	0
Bis(2-ethylhexyl)phthalate	1000	1061.937	.05	-6.2	20	100	0
Perylene-d12	1	1	.05	0	20	88	0
Benzo[b]fluoranthene	1.265	1.306	.05	-3.2	20	92	0
Benzo[k]fluoranthene	1.282	1.39	.05	-8.4	20	91	0
Benzo[a]pyrene	1.119	1.225	.05	-9.5	20	92	0
Indeno[1,2,3-cd]pyrene	1.063	1.169	.05	-10	20	92	0
Dibenzo[a,h]anthracene	1.054	1.114	.05	-5.7	20	90	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV125
Lab File ID : CCV0909N
Sample No : WG2112655-3
Channel :

Lab Number : L2555605
Project Number : 2232.0006Y005
Calibration Date : 09/09/25 21:15
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.154	.05	-5.3	20	90	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : ccv0909a.D
 Acq On : 09 Sep 2025 09:20 am
 Operator : SV125:rp
 Sample : WG2112407-3,32,,ICV 11696 (0829e)
 Misc : WG2112407,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 09 17:42:41 2025
 Quant Method : I:\8270SIM\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:21 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
2 T	N-Nitrosodimethylamine	0.648	0.670	-3.4	81	0.00
3 s	2-Fluorophenol	0.988	1.167	-18.1	89	0.00
4 s	Phenol-d6	1.220	1.356	-11.1	84	0.00
5 T	Bis(2-chloroethyl)ether	1.100	1.078	2.0	76	0.00
6 T	n-nitrosodi-n-propylamine	0.731	0.713	2.5	77	0.00
7 t	Hexachloroethane	0.502	0.492	2.0	80	0.00
8 s	Nitrobenzene-d5	0.974	1.024	-5.1	78	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	80	0.00
10 t	Naphthalene	1.058	0.975	7.8	78	0.00
11 t	Hexachlorobutadiene	0.175	0.165	5.7	76	0.00
12 t	2-Methylnaphthalene	0.617	0.603	2.3	78	0.00
13 t	1-Methylnaphthalene	0.663	0.639	3.6	79	0.00
14 s	2-Fluorobiphenyl	0.816	0.771	5.5	78	0.00
15 t	2-Chloronaphthalene	0.693	0.649	6.3	76	0.00
16 t	2,6-Dinitrotoluene	0.128	0.134	-4.7	80	0.00
17 t	Acenaphthylene	1.095	1.085	0.9	76	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
19 t	Acenaphthene	1.279	1.225	4.2	77	0.00
20 t	2,4-Dinitrotoluene	*1000.000	943.536	5.6	78	0.00
21 t	Fluorene	1.432	1.394	2.7	77	0.00
22 s	2,4,6-Tribromophenol	0.149	0.187	-25.5#	87	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	80	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	938.407	6.2	82	0.00
25 t	Hexachlorobenzene	0.217	0.203	6.5	75	0.00
26 t	Pentachlorophenol	*1000.000	1215.800	-21.6#	108	0.00
27 t	Phenanthrene	1.143	1.093	4.4	78	0.00
28 t	Anthracene	1.090	1.058	2.9	77	0.00
29 t	Fluoranthene	1.236	1.230	0.5	80	0.00
30 t	Pyrene	1.268	1.278	-0.8	79	0.00
31 T	Benzidine	*1000.000	672.402	32.8#	55	0.00
32 s	4-Terphenyl-d14	0.802	0.779	2.9	80	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	81	0.00
34 t	Benzo[a]anthracene	*1000.000	995.614	0.4	81	0.00
35 t	3,3'-Dichlorobenzidine	*1000.000	952.470	4.8	80	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : ccv0909a.D
 Acq On : 09 Sep 2025 09:20 am
 Operator : SV125:rp
 Sample : WG2112407-3,32,,ICV 11696 (0829e)
 Misc : WG2112407,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 09 17:42:41 2025
 Quant Method : I:\8270SIM\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:21 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.270	1.296	-2.0	79	0.00
37 T	Bis(2-ethylhexyl)phthalate	*1000.000	978.060	2.2	82	0.00
38 i	Perylene-d12	1.000	1.000	0.0	81	0.00
39 t	Benzo[b]fluoranthene	1.265	1.344	-6.2	86	0.00
40 t	Benzo[k]fluoranthene	1.282	1.333	-4.0	79	0.00
41 t	Benzo[a]pyrene	1.119	1.214	-8.5	83	0.00
42 t	Indeno[1,2,3-cd]pyrene	1.063	1.143	-7.5	82	0.00
43 t	Dibenzo[a,h]anthracene	1.054	1.087	-3.1	81	0.00
44 t	Benzo[g,h,i]perylene	1.096	1.121	-2.3	80	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : ccv0909a.D
 Acq On : 09 Sep 2025 09:20 am
 Operator : SV125:rp
 Sample : WG2112407-3,32,,ICV 11696 (0829e)
 Misc : WG2112407,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 09 17:42:41 2025
 Quant Method : I:\8270SIM\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:21 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.299	152	260656	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.962	136	1017753	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.933	164	571416	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.771	188	1115101	4000.000	ng/ml	0.00
33) Chrysene-d12	6.379	240	952809	4000.000	ng/ml	0.00
38) Perylene-d12	7.463	264	923411	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.706	112	76078	1181.964	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	59.10%		
4) Phenol-d6	2.119	99	88355	1111.117	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	55.56%		
8) Nitrobenzene-d5	2.580	82	66723	1050.764	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	105.08%		
14) 2-Fluorobiphenyl	3.561	172	196260	944.913	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	94.49%		
22) 2,4,6-Tribromophenol	4.376	330	26751	1259.207	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	62.96%		
32) 4-Terphenyl-d14	5.723	244	217239	972.107	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	97.21%		
Target Compounds						
					Qvalue	
2) N-Nitrosodimethylamine	1.210	74	43684	1034.425	ng/mL#	99
5) Bis(2-chloroethyl)ether	2.169	93	70218	979.380	ng/ml	100
6) n-nitrosodi-n-propylamine	2.505	70	46476	975.582	ng/ml	100
7) Hexachloroethane	2.558	117	32046	979.857	ng/ml	98
10) Naphthalene	2.971	128	248066	921.745	ng/ml	100
11) Hexachlorobutadiene	3.048	225	42013	942.269	ng/ml	99
12) 2-Methylnaphthalene	3.353	142	153334	976.200	ng/ml	100
13) 1-Methylnaphthalene	3.405	142	162624	963.679	ng/ml	98
15) 2-Chloronaphthalene	3.622	162	165133	936.754	ng/ml	100
16) 2,6-Dinitrotoluene	3.821	165	34149	1049.431	ng/ml	98
17) Acenaphthylene	3.851	152	276075	990.563	ng/ml	100
19) Acenaphthene	3.952	153	174976	957.814	ng/ml	96
20) 2,4-Dinitrotoluene	4.046	165	45376	943.536	ng/ml	99
21) Fluorene	4.242	166	199145	973.486	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.273	198	23672	938.407	ng/ml	100
25) Hexachlorobenzene	4.558	284	56479	932.883	ng/ml	98
26) Pentachlorophenol	4.667	266	25806	1215.800	ng/ml	99
27) Phenanthrene	4.782	178	304658	956.518	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : ccv0909a.D
 Acq On : 09 Sep 2025 09:20 am
 Operator : SV125:rp
 Sample : WG2112407-3,32,,ICV 11696 (0829e)
 Misc : WG2112407,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 09 17:42:41 2025
 Quant Method : I:\8270SIM\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:21 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

28)	Anthracene	4.812	178	294936	970.665	ng/ml	100
29)	Fluoranthene	5.478	202	342934	995.605	ng/ml	100
30)	Pyrene	5.614	202	356356	1007.987	ng/ml	100
31)	Benizidine	5.566	184	77064	672.402	ng/mL	99
34)	Benzo[a]anthracene	6.371	226	91326	995.614	ng/ml	99
35)	3,3'-Dichlorobenzidine	6.366	252	117010	952.470	ng/ml	99
36)	Chrysene	6.393	228	308624	1020.017	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.426	149	171471	978.060	ng/ml	100
39)	Benzo[b]fluoranthene	7.130	252	310201	1061.915	ng/ml	95
40)	Benzo[k]fluoranthene	7.153	252	307674	1039.414	ng/ml	95
41)	Benzo[a]pyrene	7.403	252	280157	1084.963	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.549	276	263878	1075.526	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.584	278	250985M6	1031.754	ng/ml	
44)	Benzo[g,h,i]perylene	8.854	276	258683	1022.756	ng/ml	99

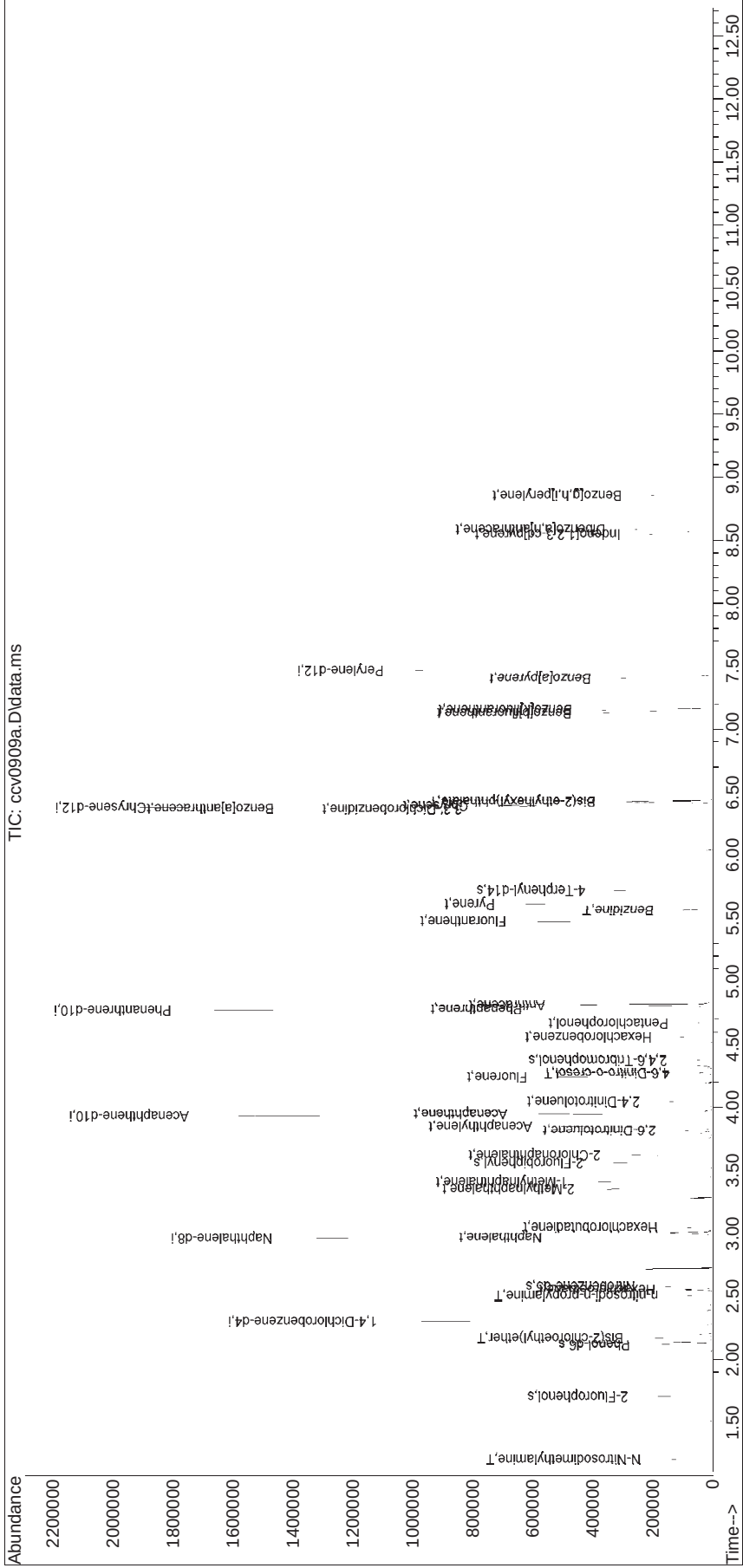
(#) = qualifier out of range (m) = manual integration (+) = signals summed

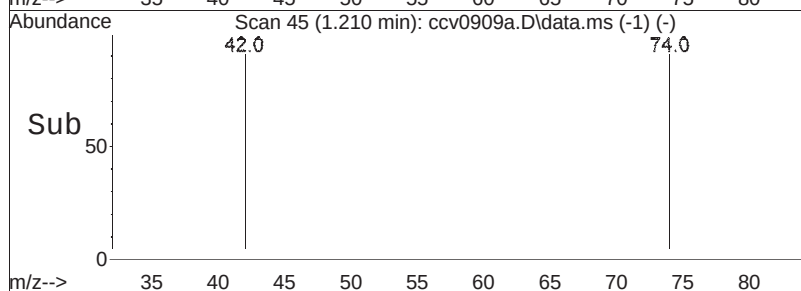
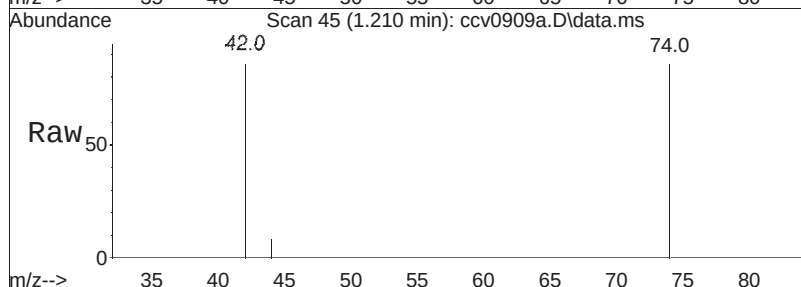
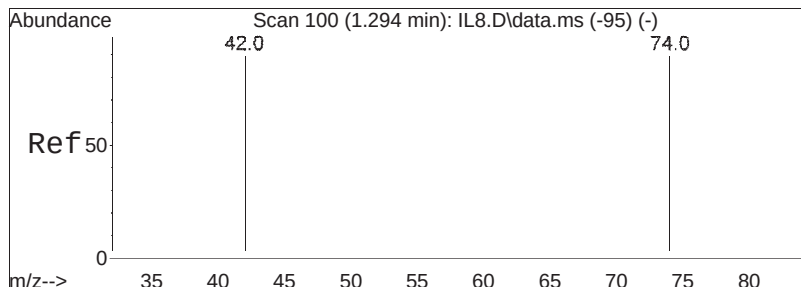
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : ccv0909a.D
Acq On : 09 Sep 2025 09:20 am
Operator : SV125:rp
Sample : WG2112407-3,32,,ICV 11696 (0829e)
Misc : WG2112407,,ical22616
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 09 17:42:41 2025
Quant Method : I:\8270SIM\SV125\250909RVT\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 17:43:21 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed





#2

N-Nitrosodimethylamine

Concen: 1034.43 ng/mL

RT: 1.210 min Scan# 45

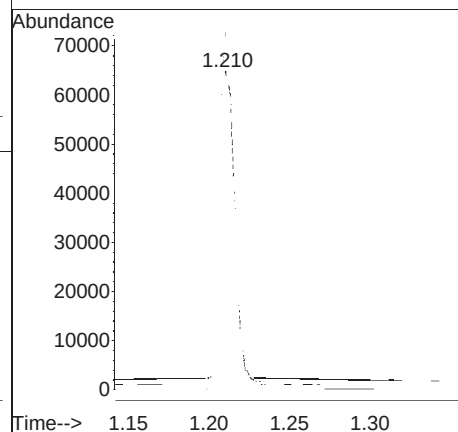
Delta R.T. 0.000 min

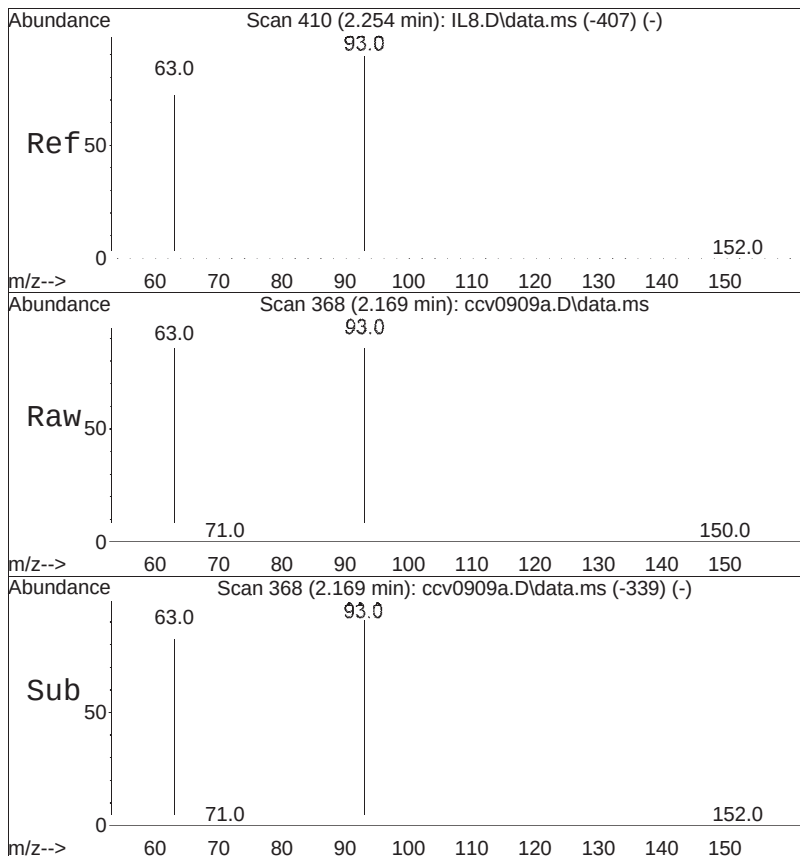
Lab File: ccv0909a.D

Acq: 09 Sep 2025 09:20 am

Tgt Ion: 74 Resp: 43684

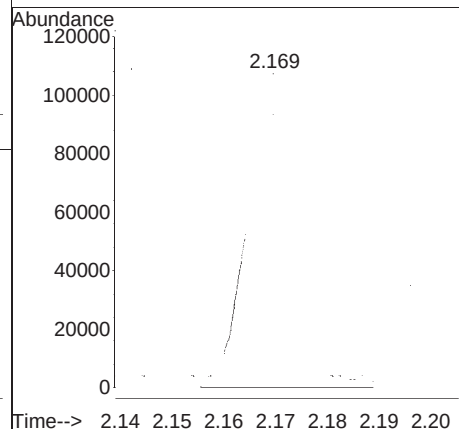
Ion	Ratio	Lower	Upper
74	100		
42	107.8	86.9	130.3
44	10.5	5.8	8.8#

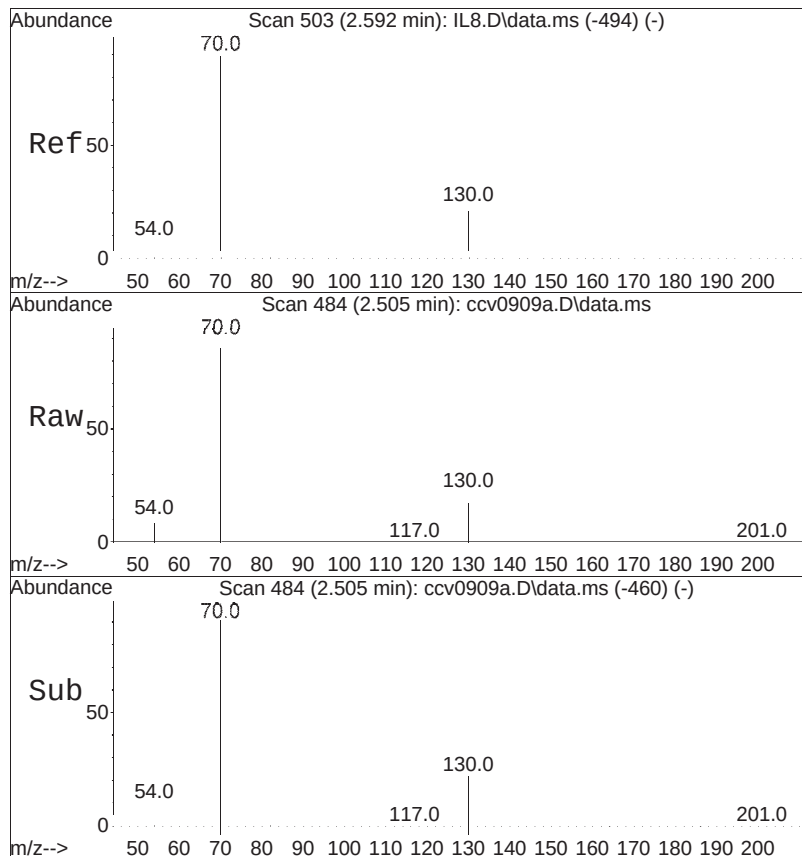




#5
 Bis(2-chloroethyl)ether
 Concen: 979.38 ng/ml
 RT: 2.169 min Scan# 368
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

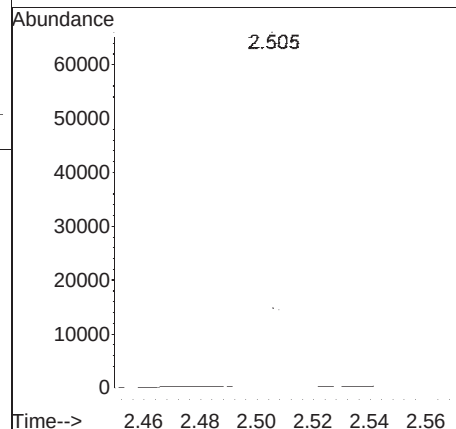
Tgt Ion:	93	Resp:	70218
Ion Ratio	Lower	Upper	
93	100		
63	85.9	68.6	103.0

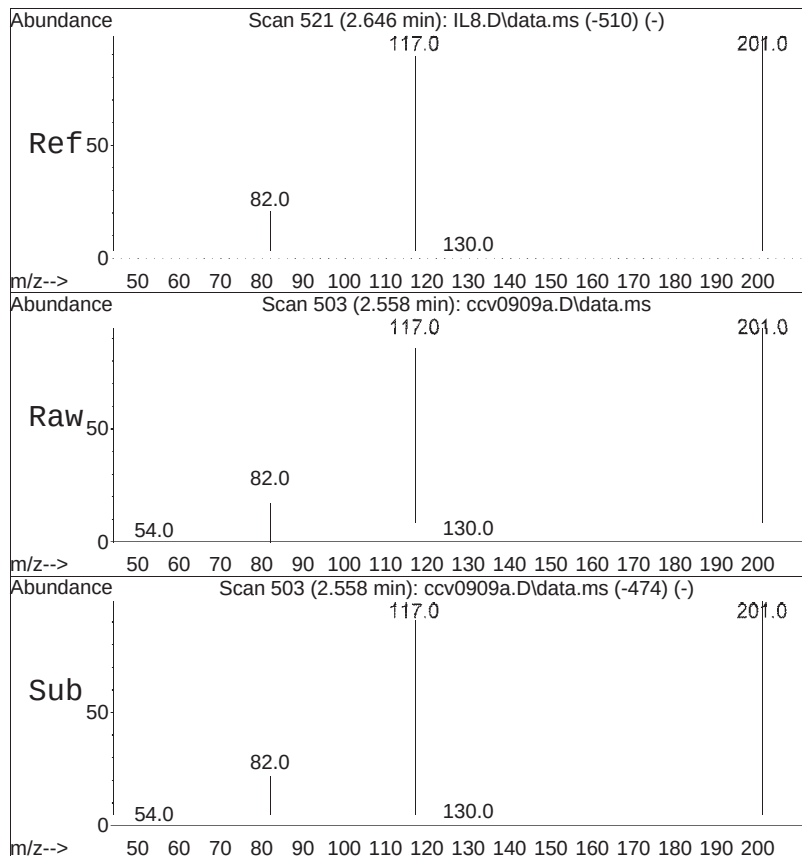




#6
 n-nitrosodi-n-propylamine
 Concen: 975.58 ng/ml
 RT: 2.505 min Scan# 484
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

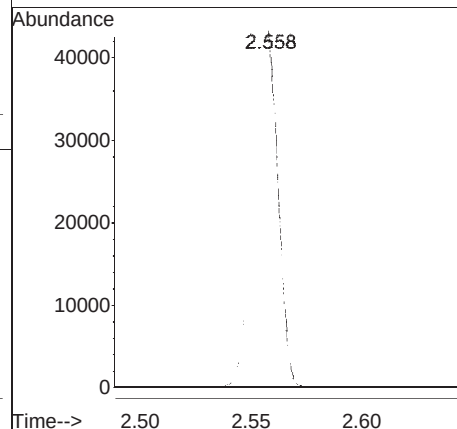
Tgt Ion	Ratio	Lower	Upper
70	100		
130	23.1	18.4	27.6

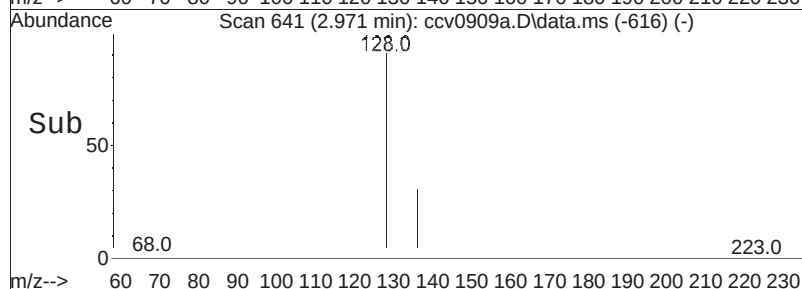
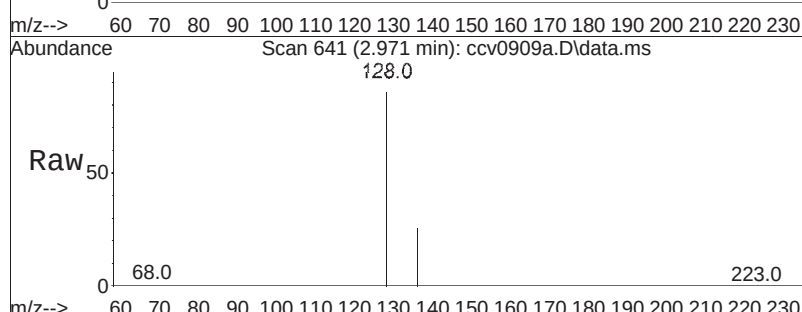
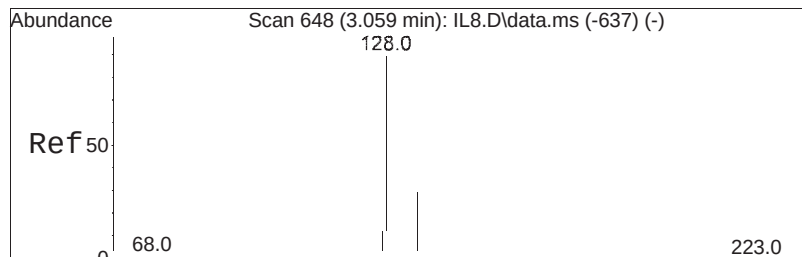




#7
 Hexachloroethane
 Concen: 979.86 ng/ml
 RT: 2.558 min Scan# 503
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

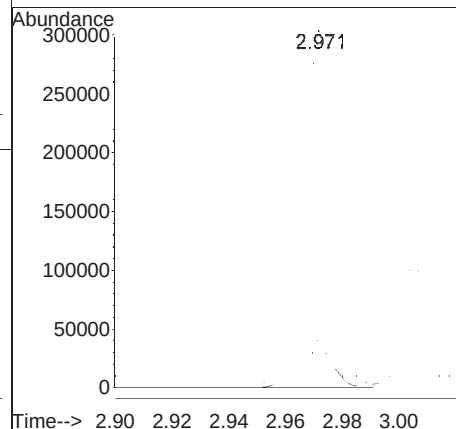
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32046		
201	98.3		80.2	120.2

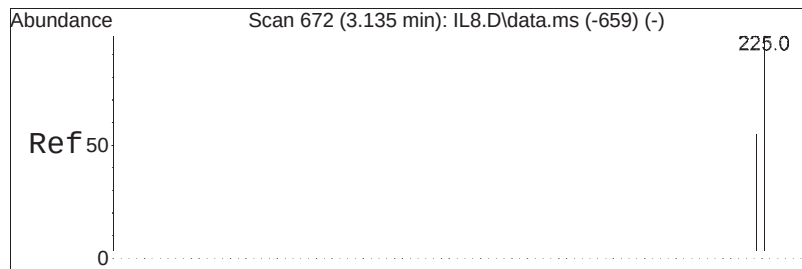




#10
Naphthalene
Concen: 921.74 ng/ml
RT: 2.971 min Scan# 641
Delta R.T. 0.000 min
Lab File: ccv0909a.D
Acq: 09 Sep 2025 09:20 am

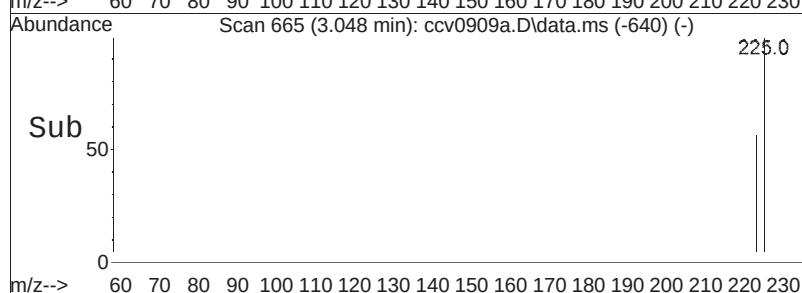
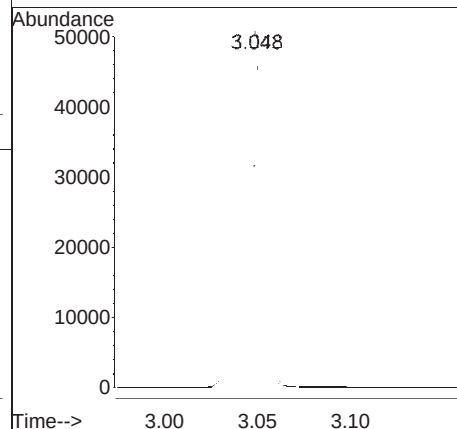
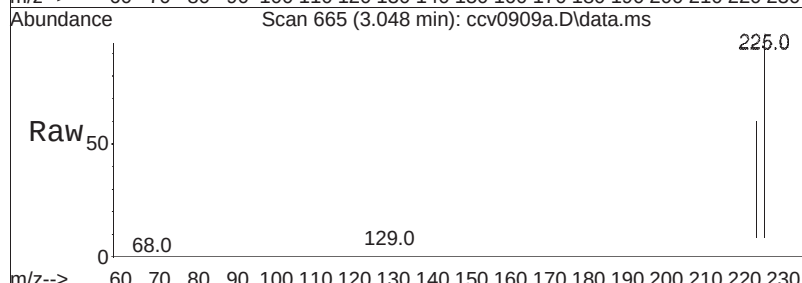
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	248066		
129	11.0		8.8	13.2
127	13.1		10.6	15.8

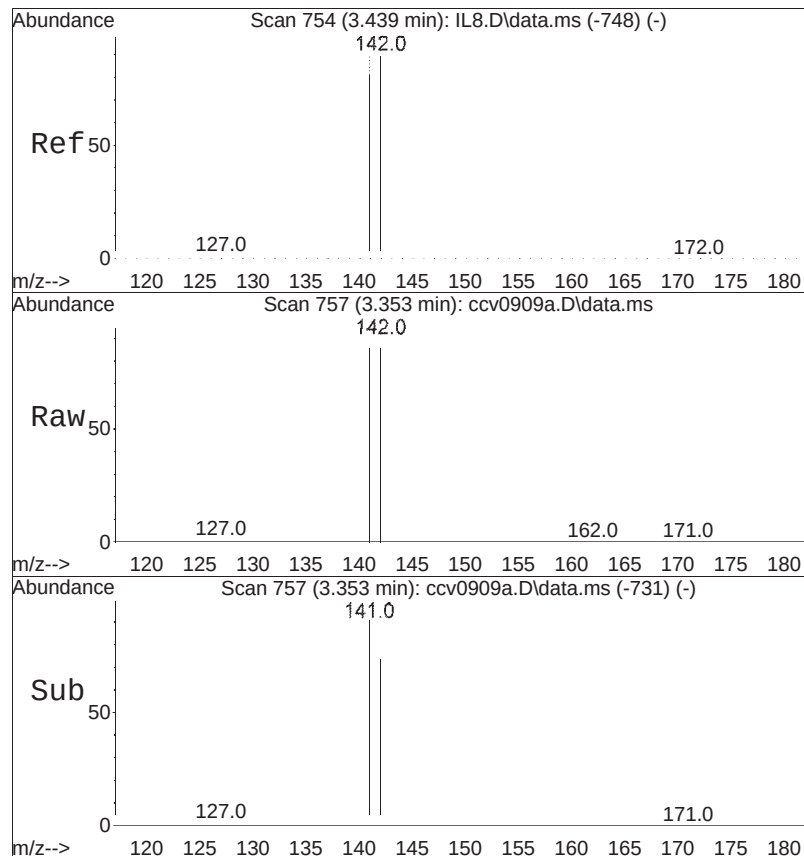




#11
Hexachlorobutadiene
Concen: 942.27 ng/ml
RT: 3.048 min Scan# 665
Delta R.T. 0.000 min
Lab File: ccv0909a.D
Acq: 09 Sep 2025 09:20 am

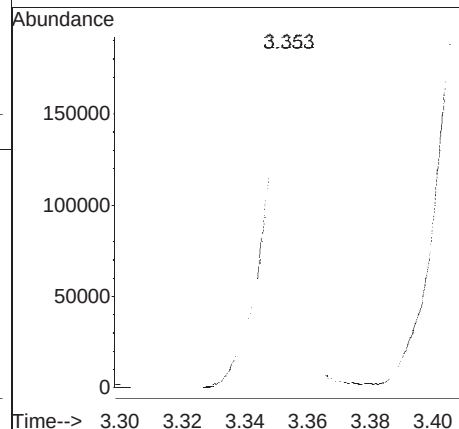
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8

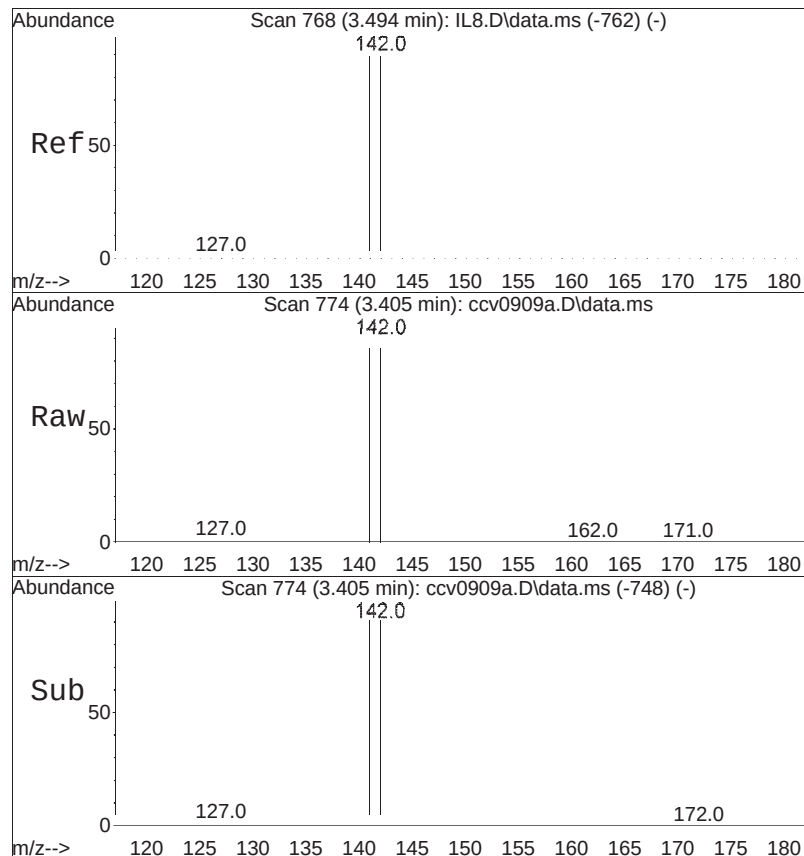




#12
 2-Methylnaphthalene
 Concen: 976.20 ng/ml
 RT: 3.353 min Scan# 757
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

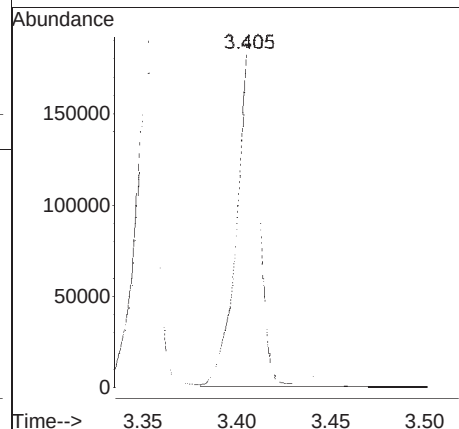
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.2	111.4

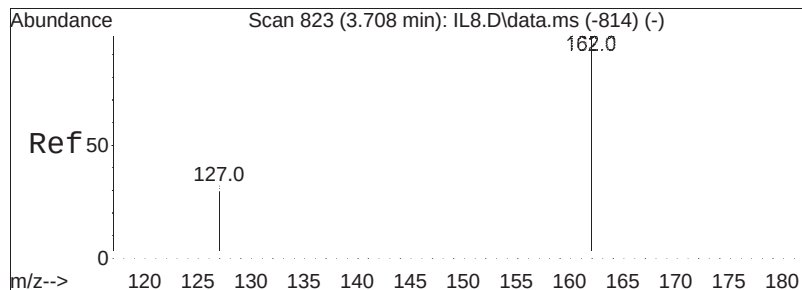




#13
 1-Methylnaphthalene
 Concen: 963.68 ng/ml
 RT: 3.405 min Scan# 774
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

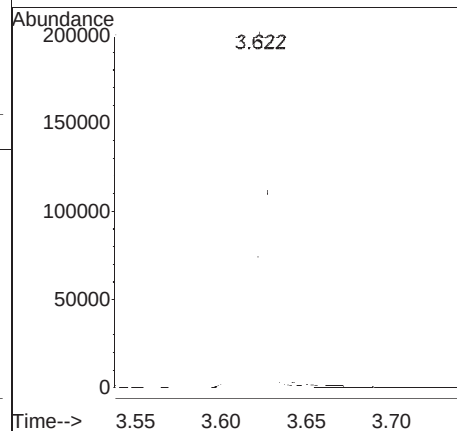
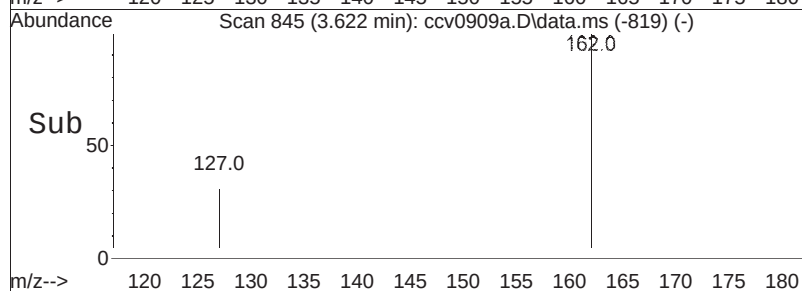
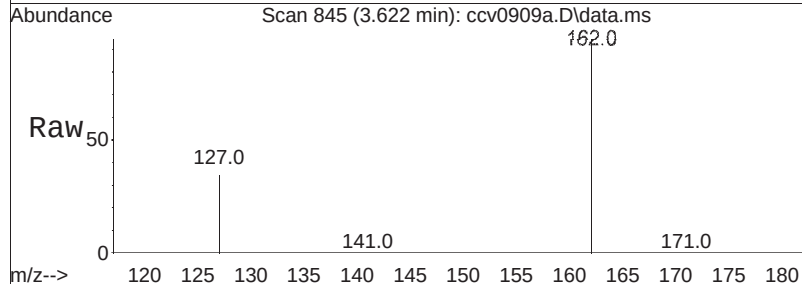
Tgt Ion:	142	Resp:	162624
Ion Ratio	Lower	Upper	
142	100		
141	93.0	76.3	114.5

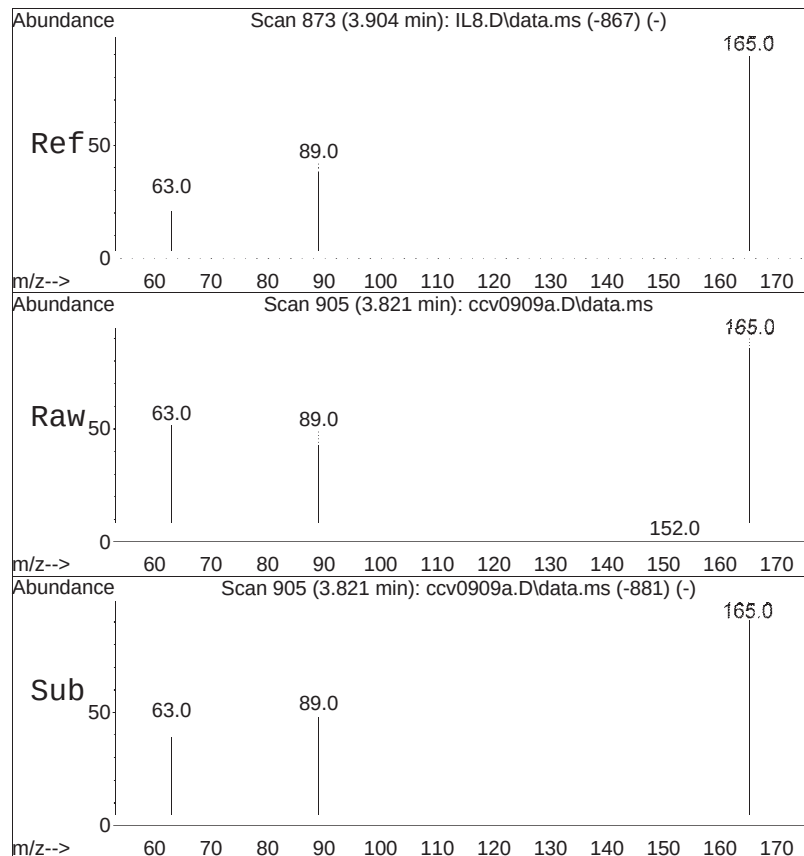




#15
 2-Chloronaphthalene
 Concen: 936.75 ng/ml
 RT: 3.622 min Scan# 845
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

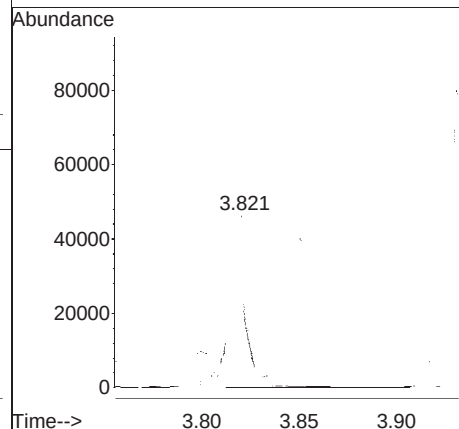
Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.4	30.0	45.0

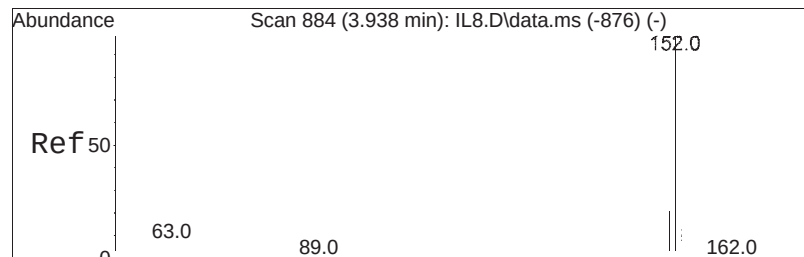




#16
 2,6-Dinitrotoluene
 Concen: 1049.43 ng/ml
 RT: 3.821 min Scan# 905
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

Tgt Ion:	165	Resp:	34149
Ion Ratio	Lower	Upper	
165	100		
89	53.5	43.1	64.7
63	51.7	43.4	65.2





#17

Acenaphthylene

Concen: 990.56 ng/ml

RT: 3.851 min Scan# 915

Delta R.T. 0.000 min

Lab File: ccv0909a.D

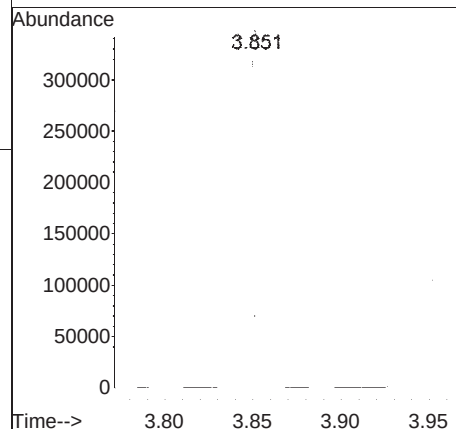
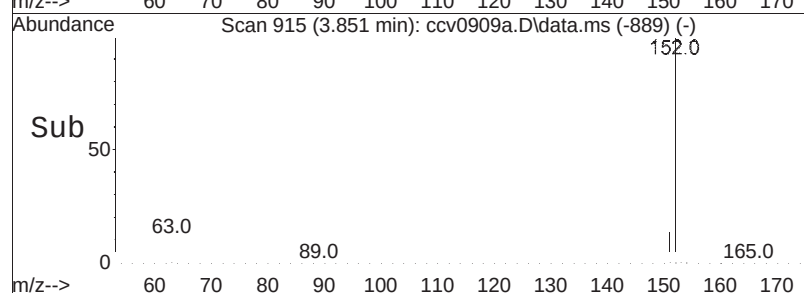
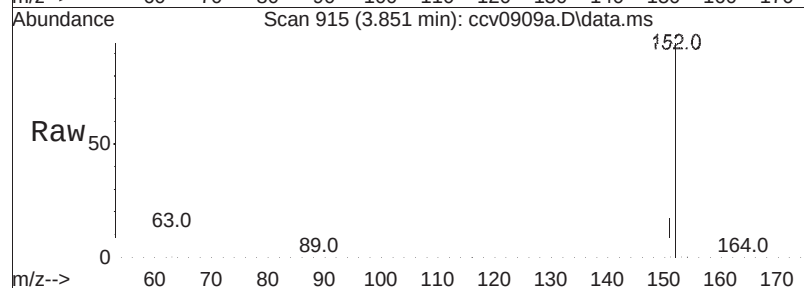
Acq: 09 Sep 2025 09:20 am

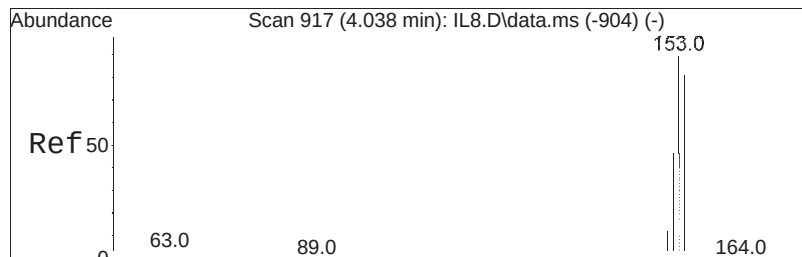
Tgt Ion: 152 Resp: 276075

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1





#19

Acenaphthene

Concen: 957.81 ng/ml

RT: 3.952 min Scan# 948

Delta R.T. 0.000 min

Lab File: ccv0909a.D

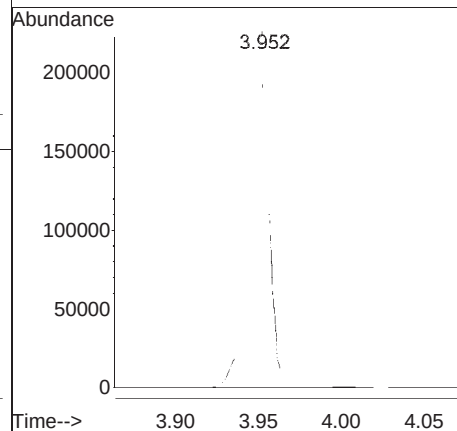
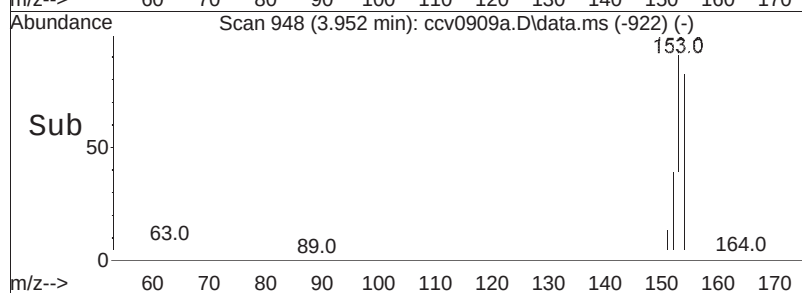
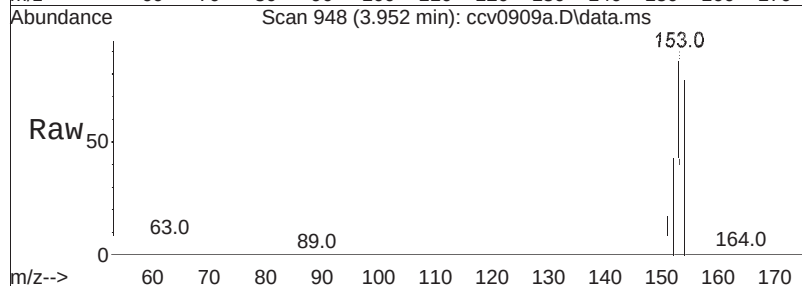
Acq: 09 Sep 2025 09:20 am

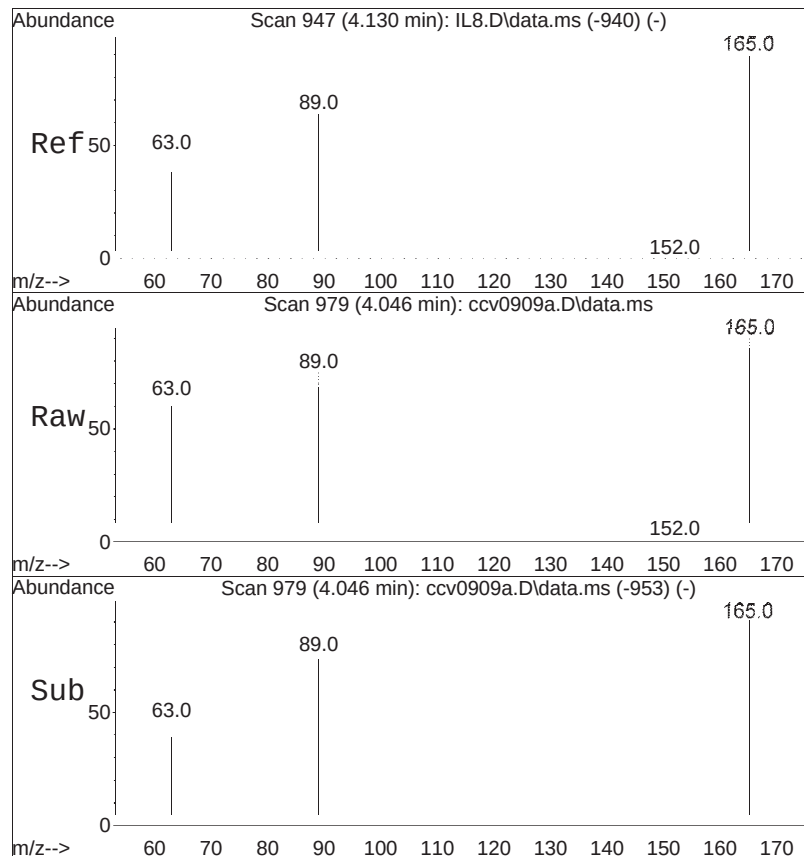
Tgt Ion:153 Resp: 174976

Ion Ratio Lower Upper

153 100

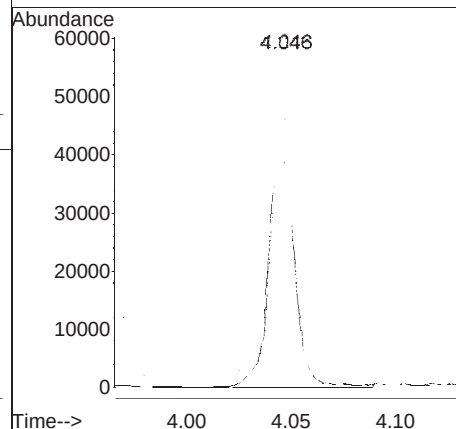
154 86.9 72.2 108.4

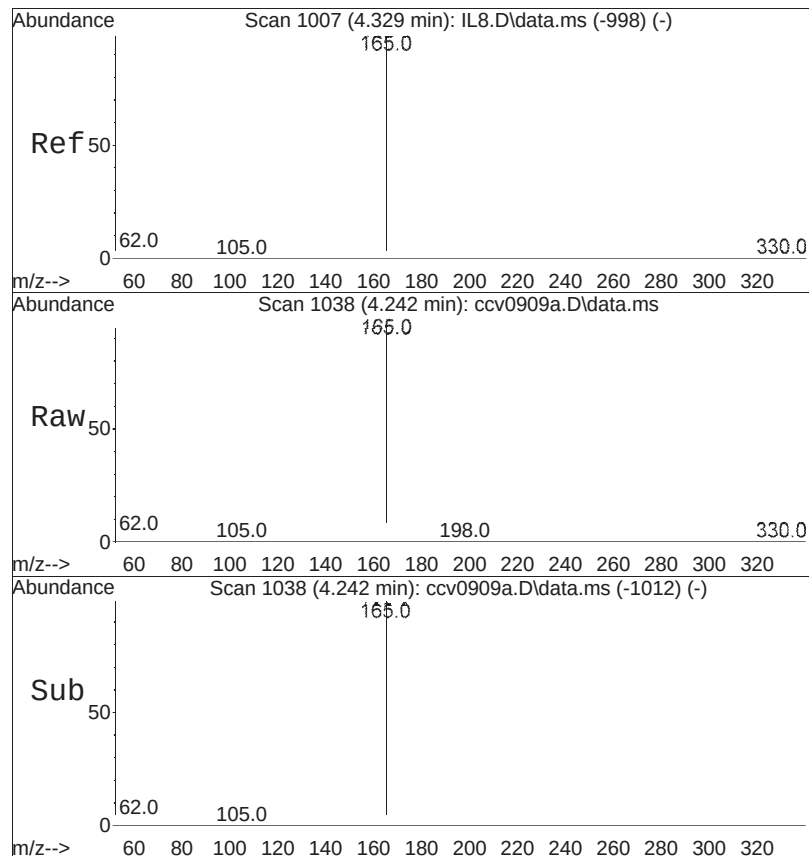




#20
 2,4-Dinitrotoluene
 Concen: 943.54 ng/ml
 RT: 4.046 min Scan# 979
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

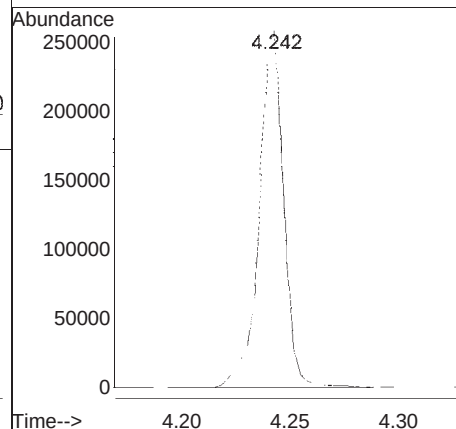
Tgt Ion:	165	Resp:	45376
Ion Ratio	Lower	Upper	
165	100		
89	80.3	62.5	93.7
63	67.3	53.8	80.6

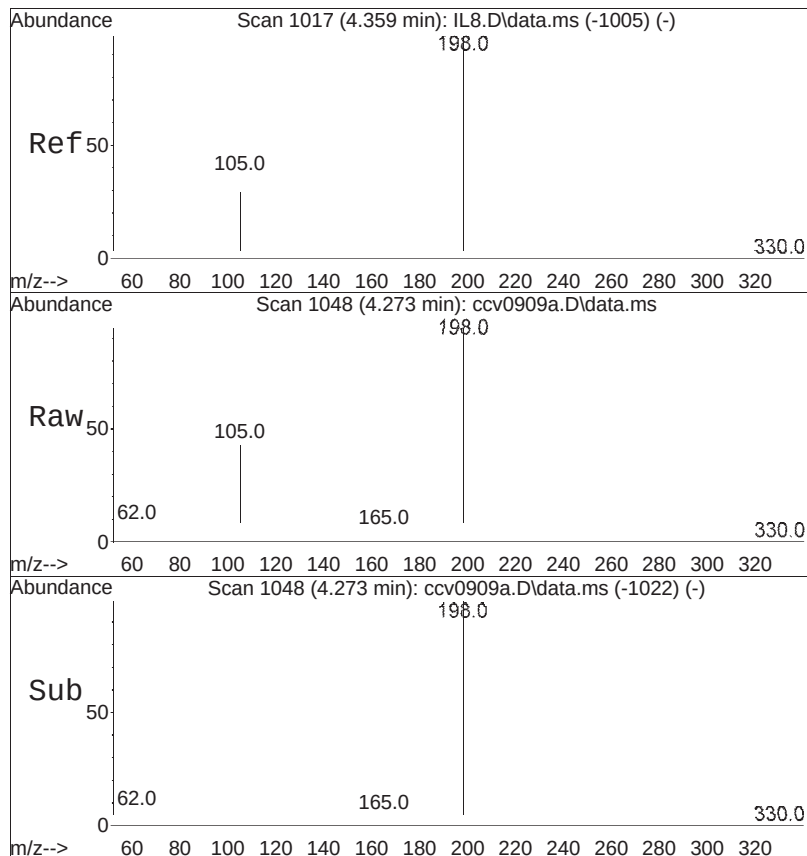




#21
 Fluorene
 Concen: 973.49 ng/ml
 RT: 4.242 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

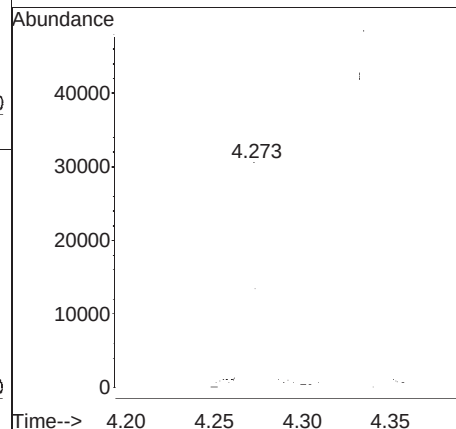
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.1	81.5	122.3

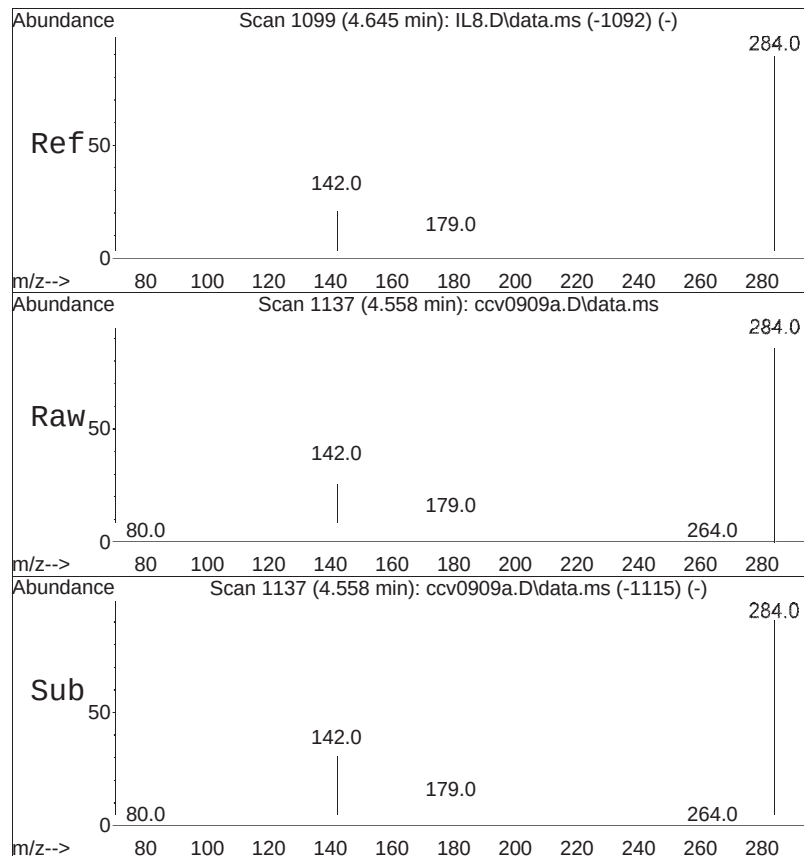




#24
 4,6-Dinitro-o-cresol
 Concen: 938.41 ng/ml
 RT: 4.273 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

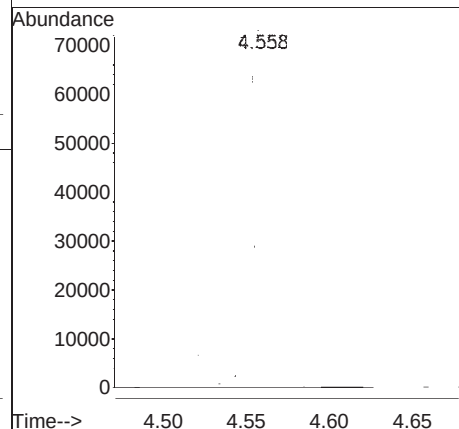
Tgt Ion	Ratio	Lower	Upper
198	100		
105	44.0	35.4	53.0

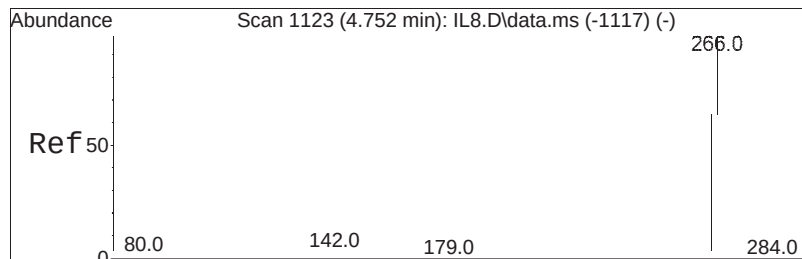




#25
 Hexachlorobenzene
 Concen: 932.88 ng/ml
 RT: 4.558 min Scan# 1137
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

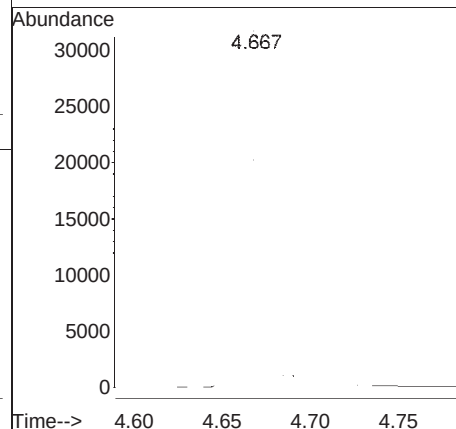
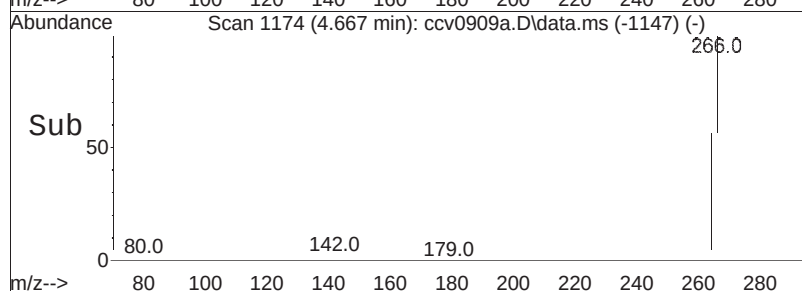
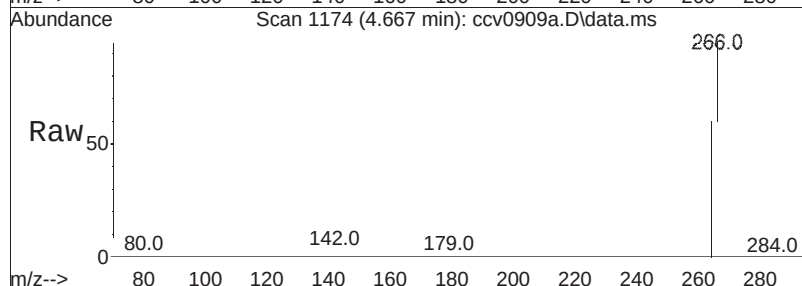
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.7	29.4	44.2

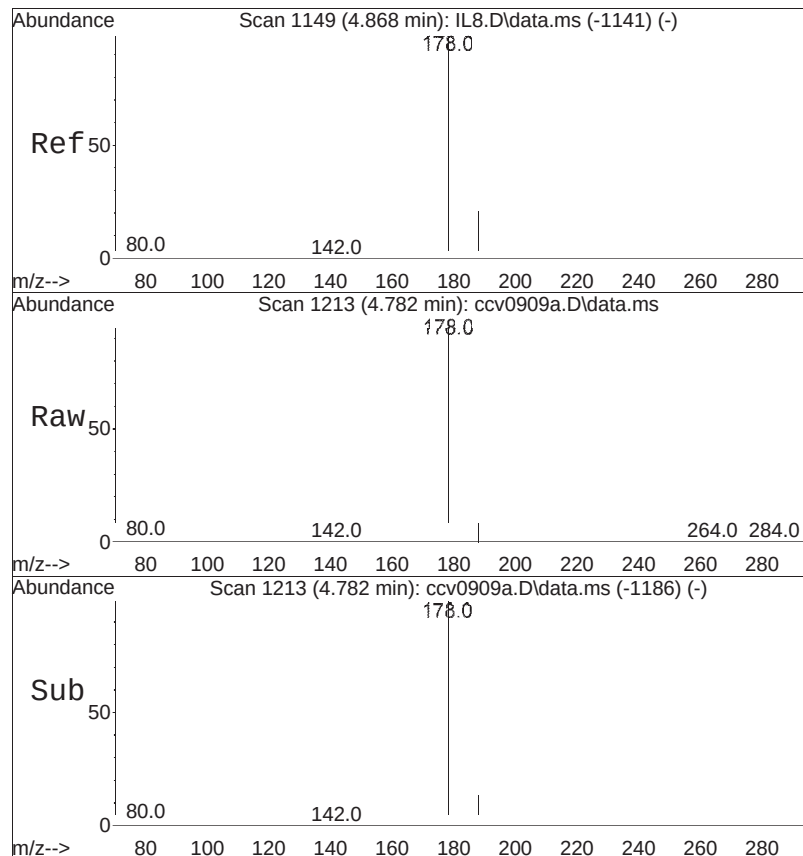




#26
 Pentachlorophenol
 Concen: 1215.80 ng/ml
 RT: 4.667 min Scan# 1174
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

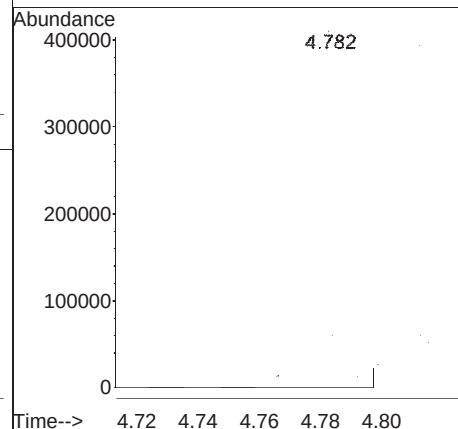
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.9	74.9

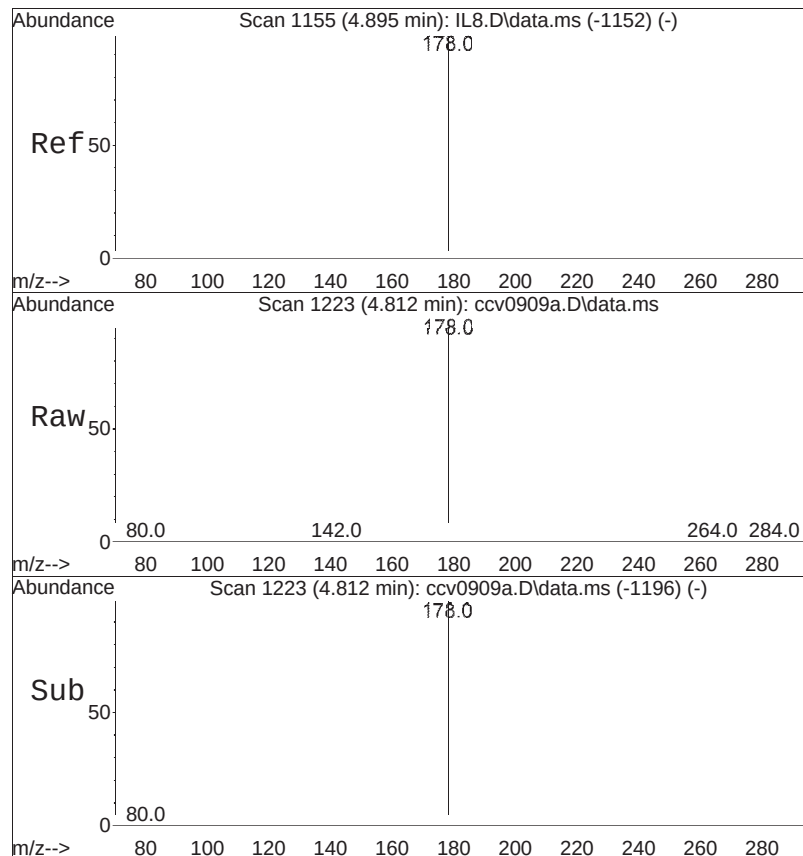




#27
 Phenanthrene
 Concen: 956.52 ng/ml
 RT: 4.782 min Scan# 1213
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

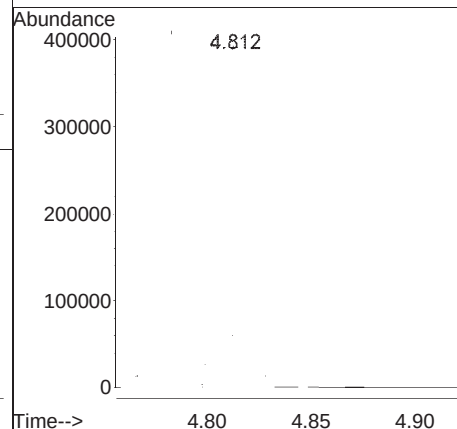
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

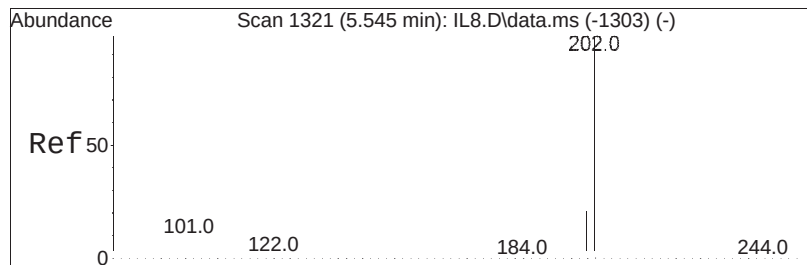




#28
 Anthracene
 Concen: 970.66 ng/ml
 RT: 4.812 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

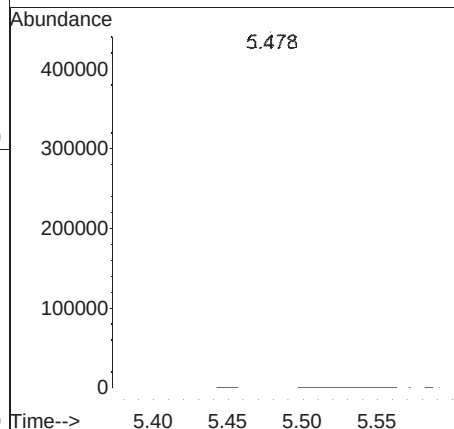
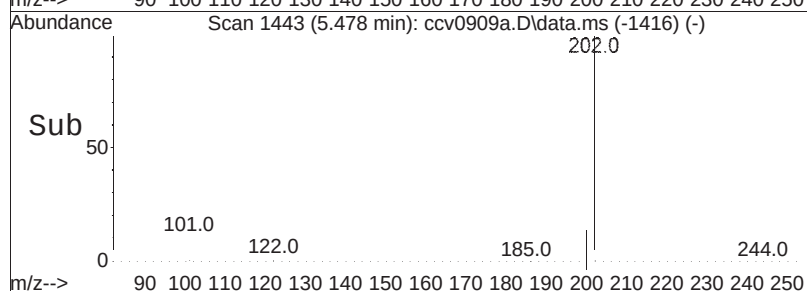
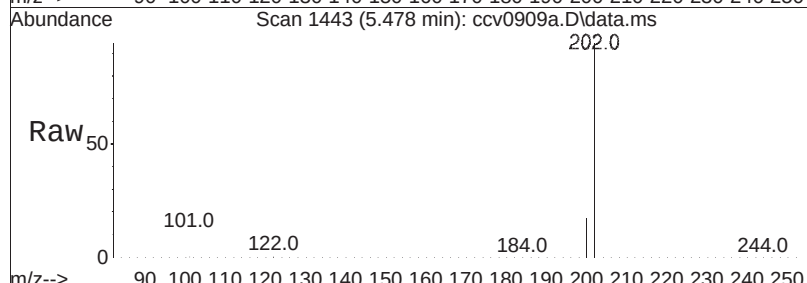
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

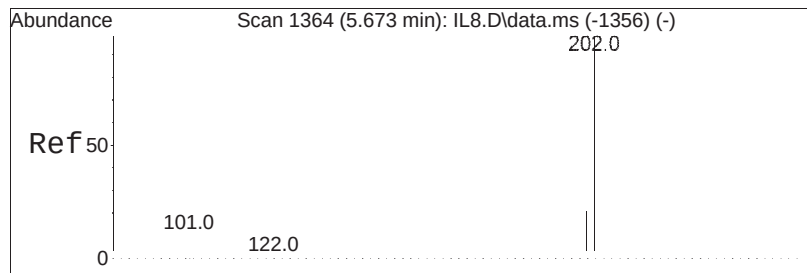




#29
 Fluoranthene
 Concen: 995.60 ng/ml
 RT: 5.478 min Scan# 1443
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

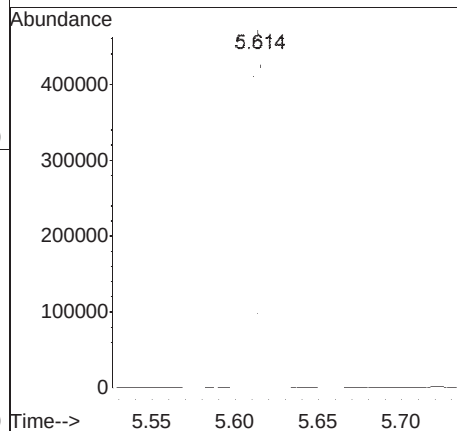
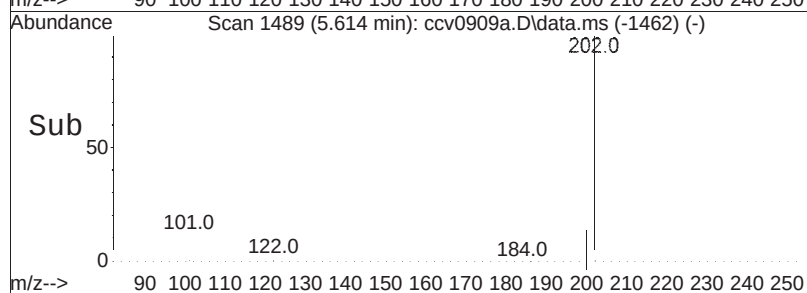
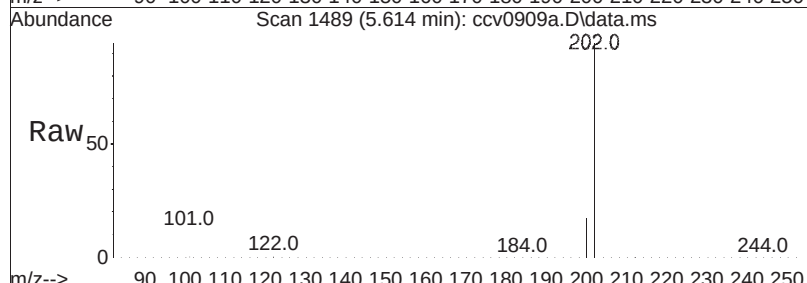
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	10.5	8.3	12.5	

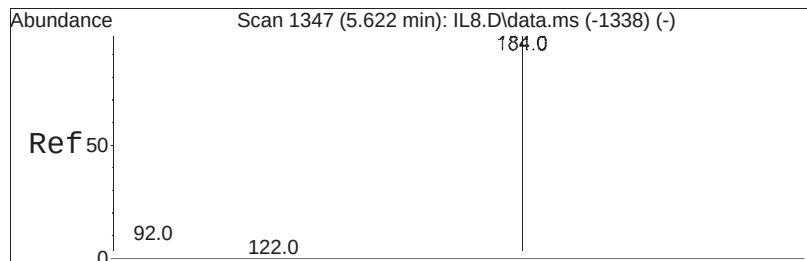




#30
 Pyrene
 Concen: 1007.99 ng/ml
 RT: 5.614 min Scan# 1489
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

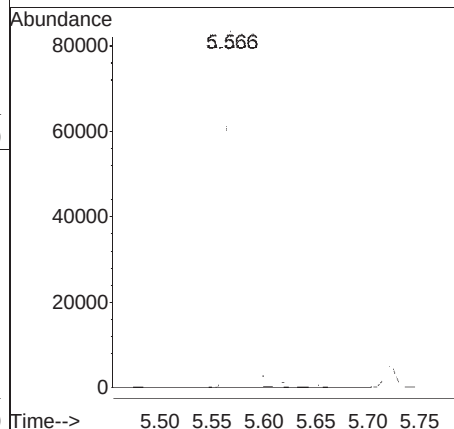
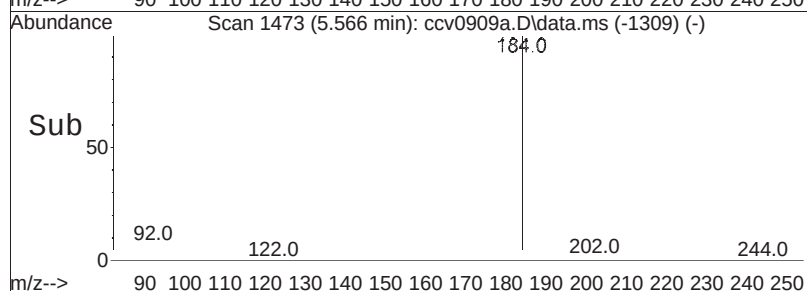
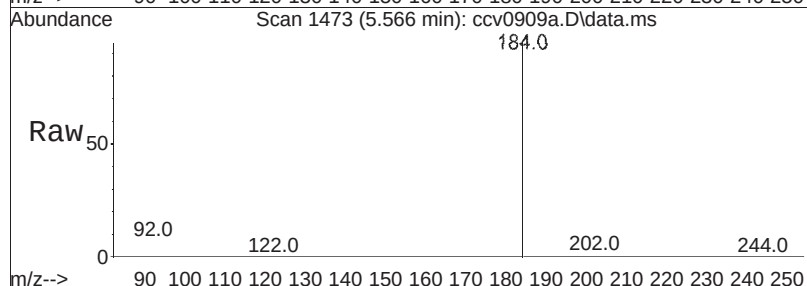
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2

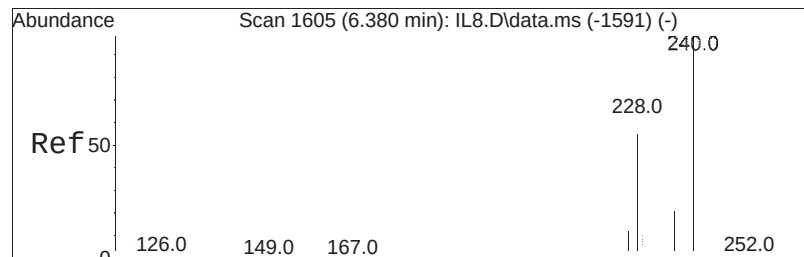




#31
Benzidine
Concen: 672.40 ng/mL
RT: 5.566 min Scan# 1473
Delta R.T. 0.000 min
Lab File: ccv0909a.D
Acq: 09 Sep 2025 09:20 am

Tgt Ion	Ratio	Lower	Upper
184	100		
92	6.7	5.4	8.0
185	13.3	11.2	16.8





#34

Benzo[a]anthracene

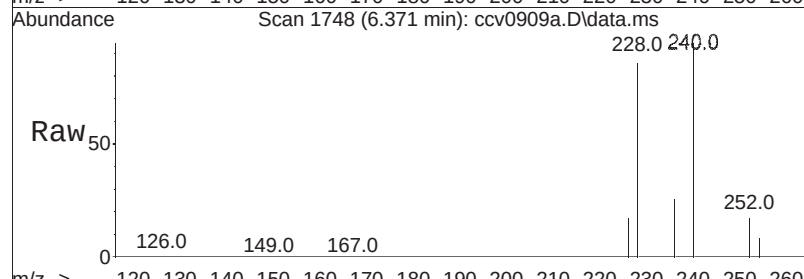
Concen: 995.61 ng/ml

RT: 6.371 min Scan# 1748

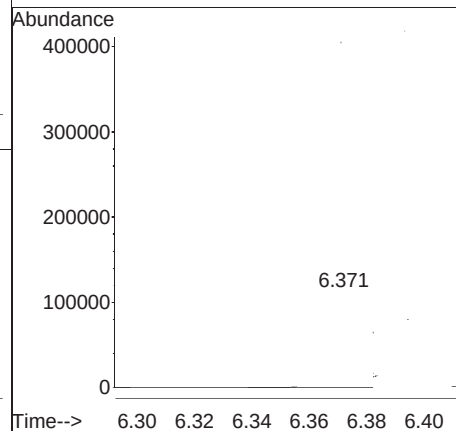
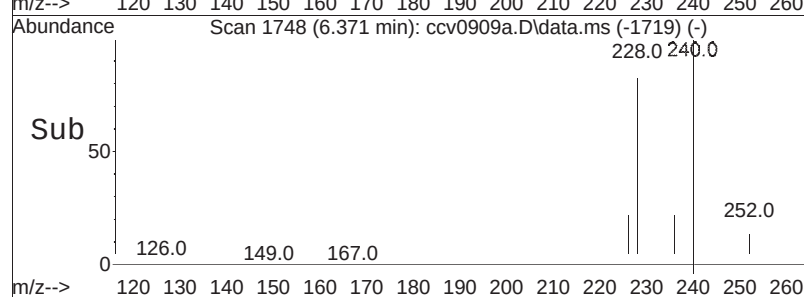
Delta R.T. 0.000 min

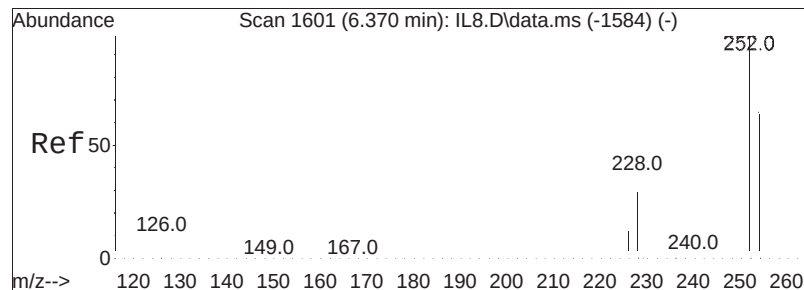
Lab File: ccv0909a.D

Acq: 09 Sep 2025 09:20 am



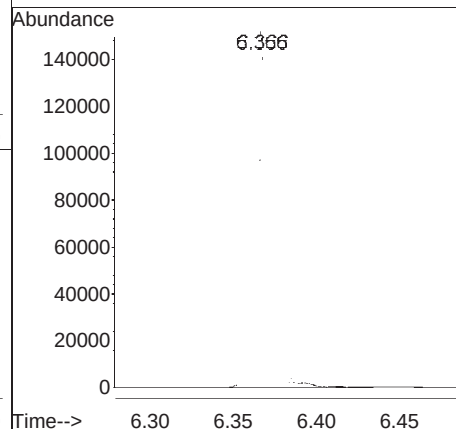
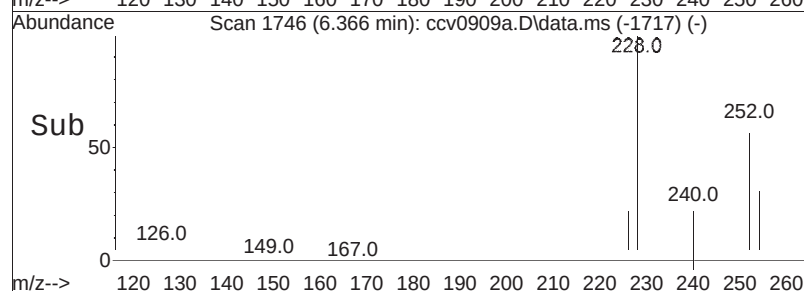
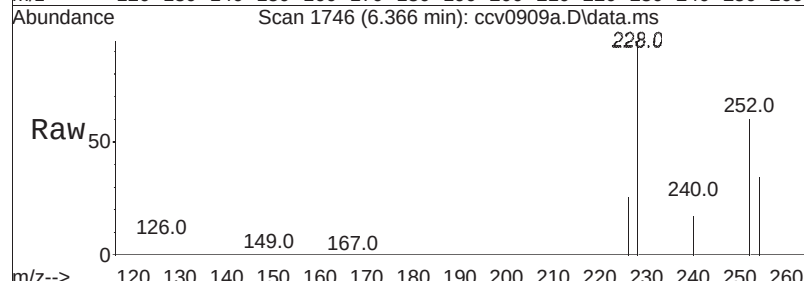
Tgt Ion:	226	Resp:	91326
Ion Ratio	Lower	Upper	
226	100		
229	69.9	56.4	84.6
228	356.9	287.5	431.3
229	69.9	56.4	84.6

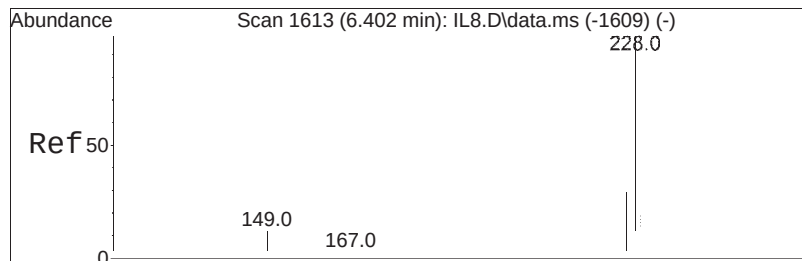




#35
 3,3'-Dichlorobenzidine
 Concen: 952.47 ng/ml
 RT: 6.366 min Scan# 1746
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

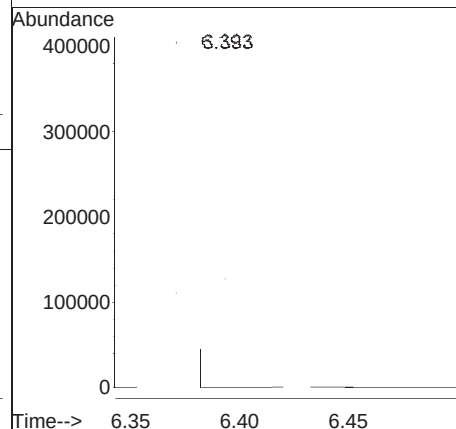
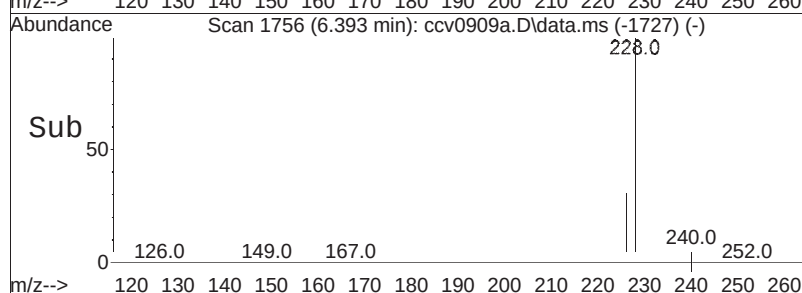
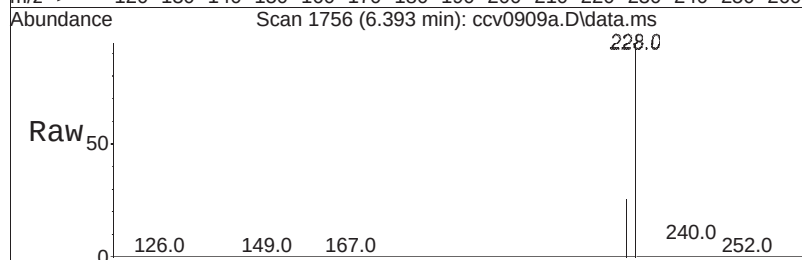
Tgt Ion	Ratio	Lower	Upper
252	100		
126	14.2	10.6	16.0
254	64.3	51.6	77.4

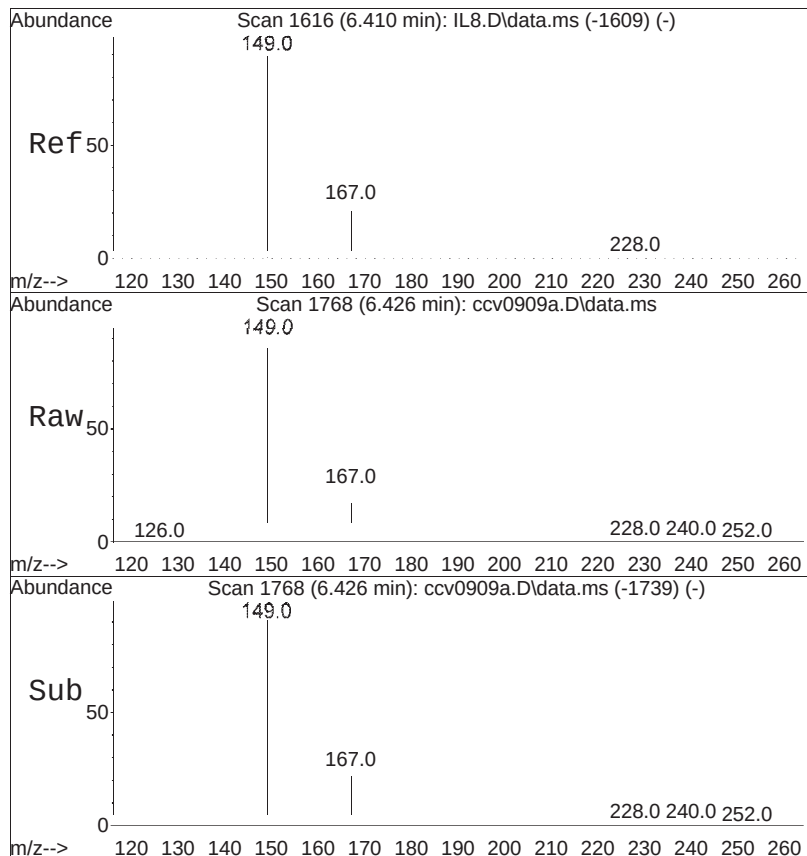




#36
 Chrysene
 Concen: 1020.02 ng/ml
 RT: 6.393 min Scan# 1756
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

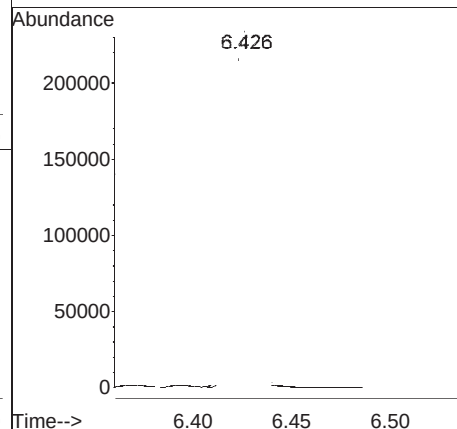
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5

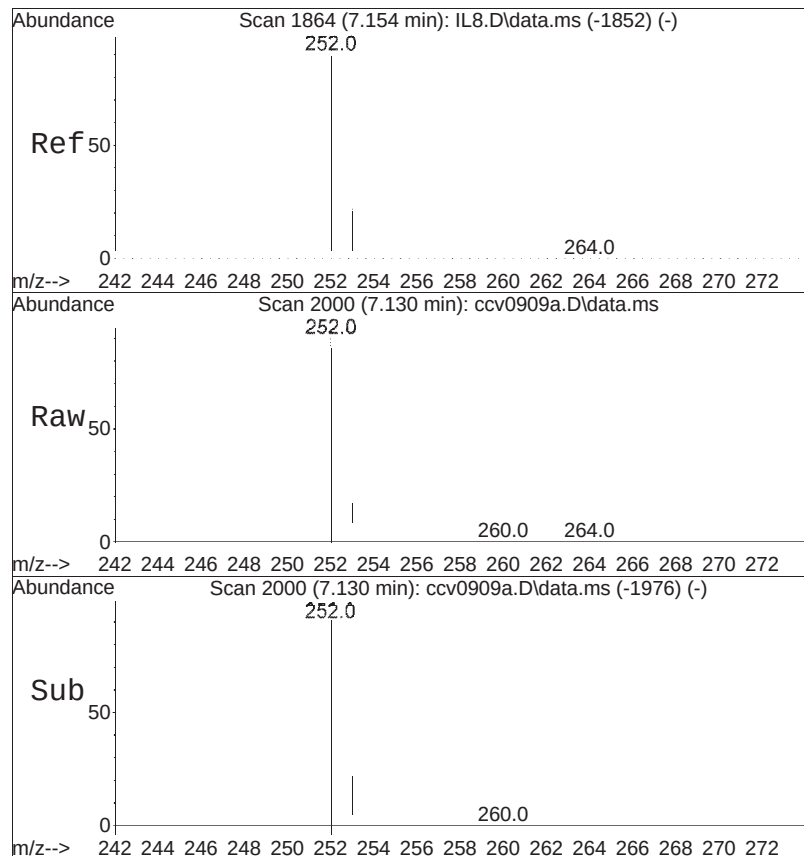




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 978.06 ng/ml
 RT: 6.426 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

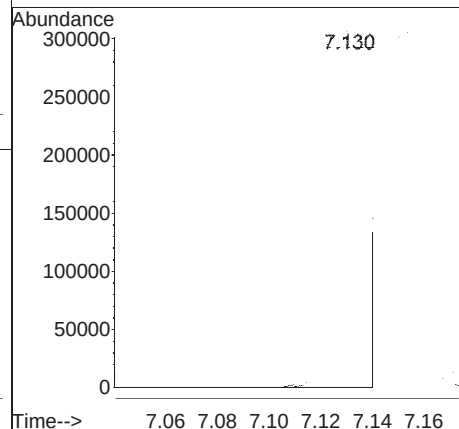
Tgt	Ion	Ratio	Lower	Upper
149	100			
167	24.6	19.7	29.5	

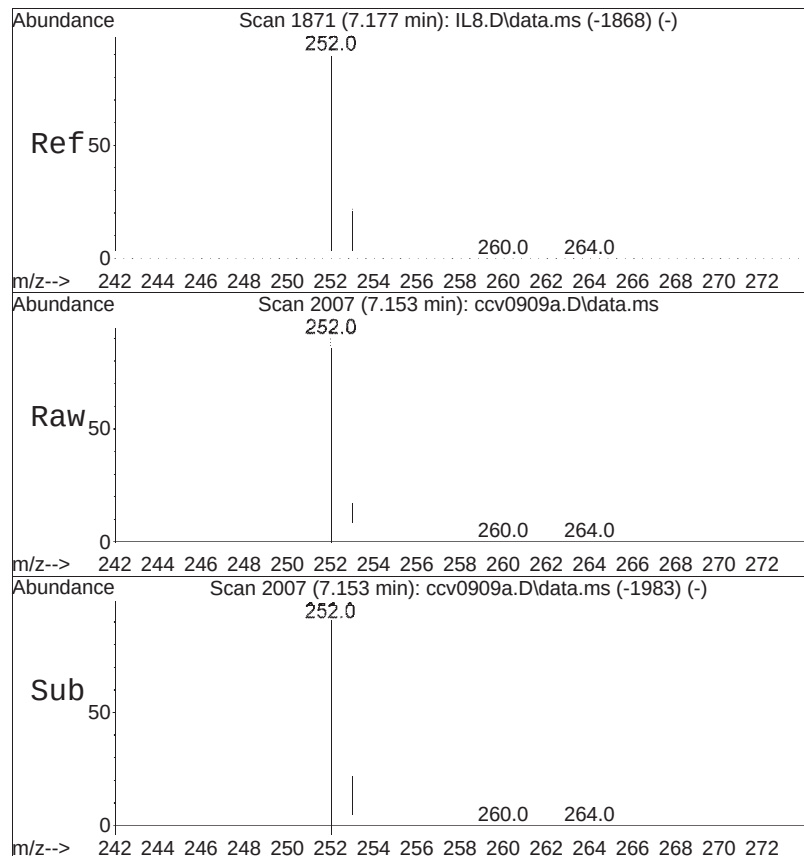




#39
 Benzo[b]fluoranthene
 Concen: 1061.92 ng/ml
 RT: 7.130 min Scan# 2000
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

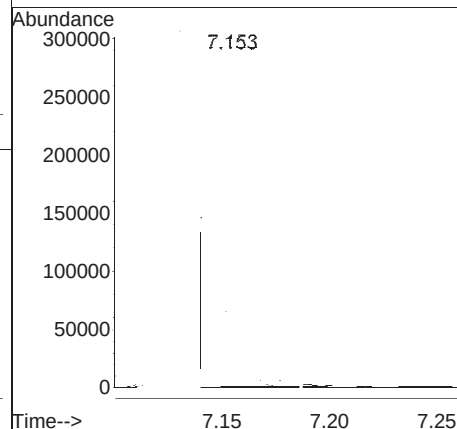
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	19.2	28.8

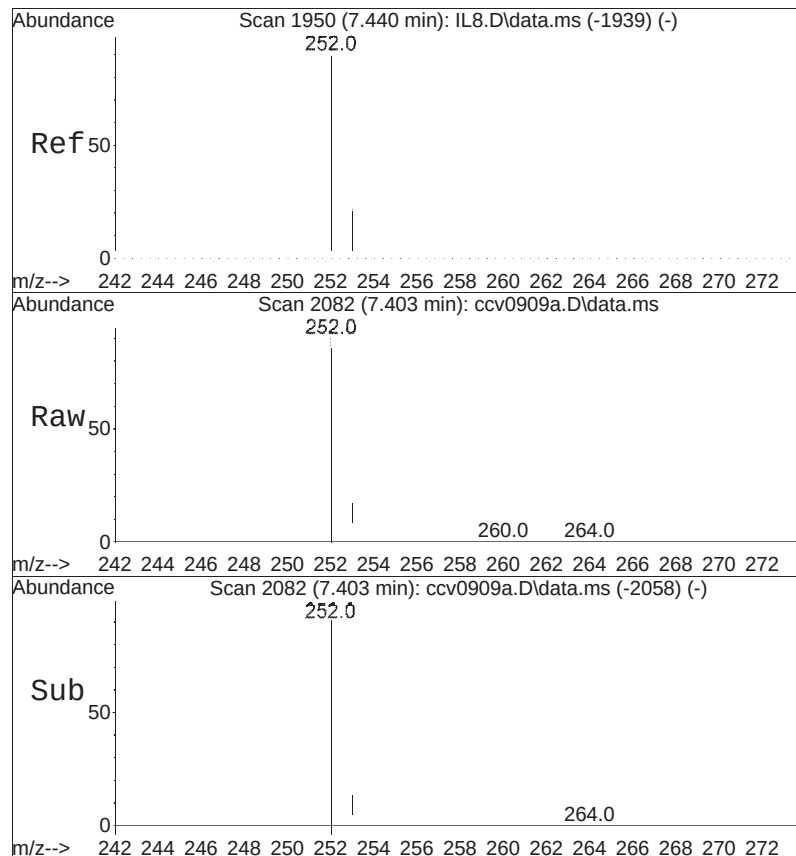




#40
 Benzo[k]fluoranthene
 Concen: 1039.41 ng/ml
 RT: 7.153 min Scan# 2007
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

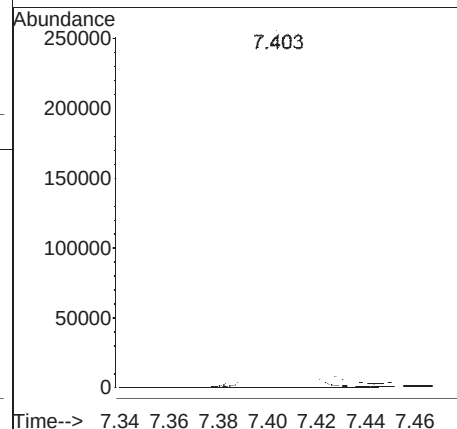
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	15.8	23.8

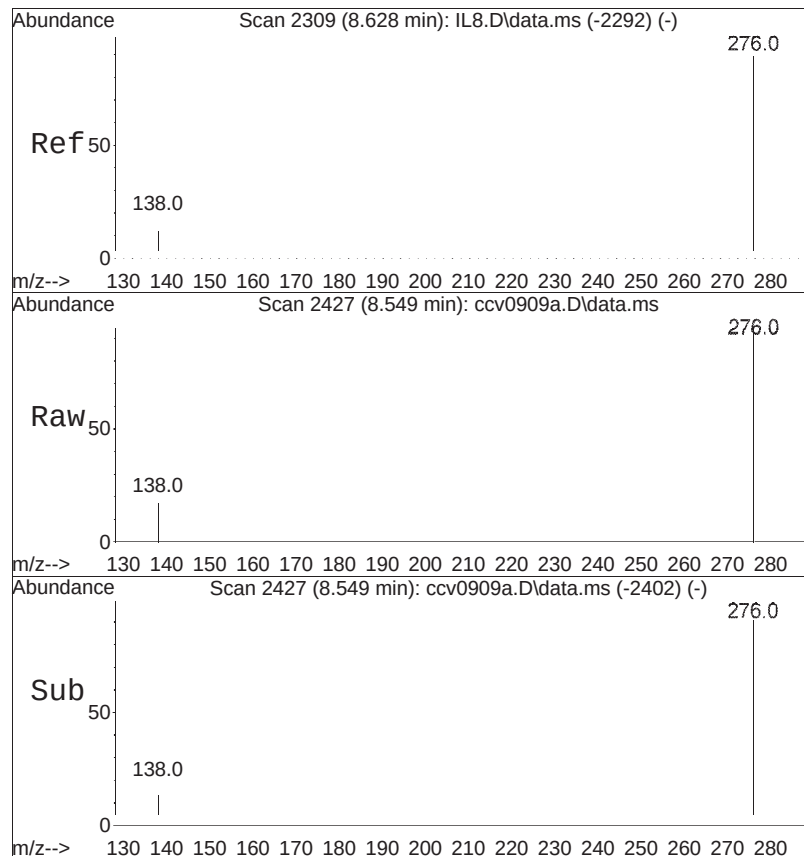




#41
 Benzo[a]pyrene
 Concen: 1084.96 ng/ml
 RT: 7.403 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

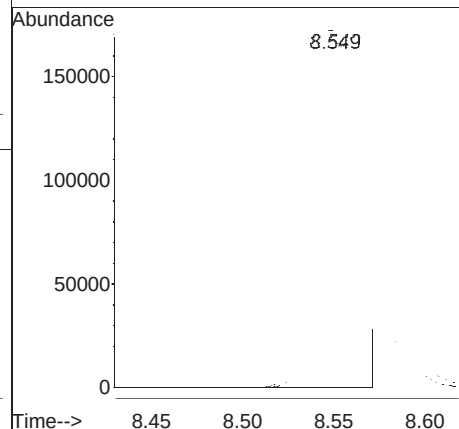
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

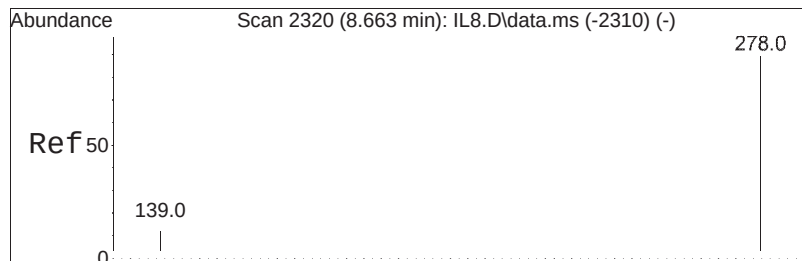




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1075.53 ng/ml
 RT: 8.549 min Scan# 2427
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

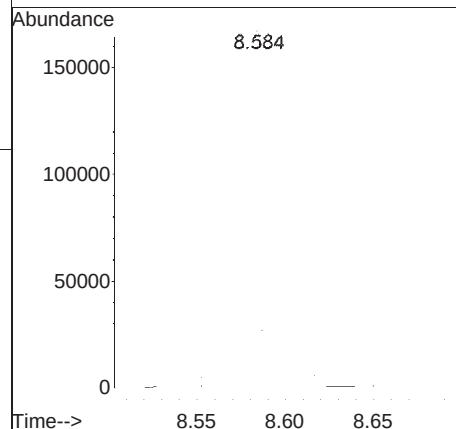
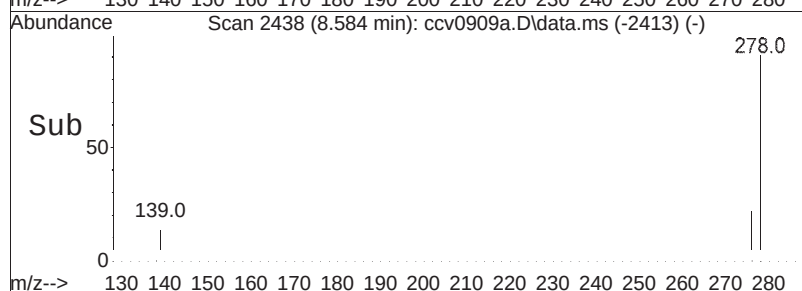
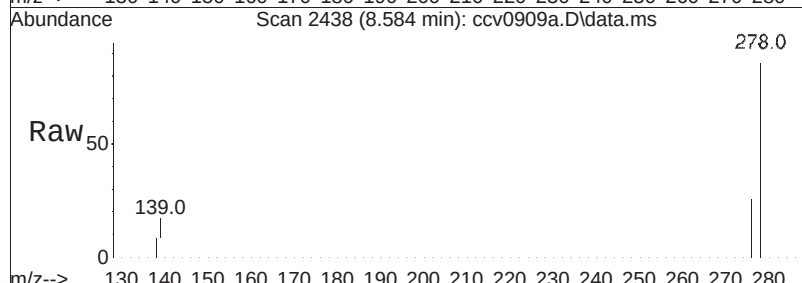
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	15.9	23.9

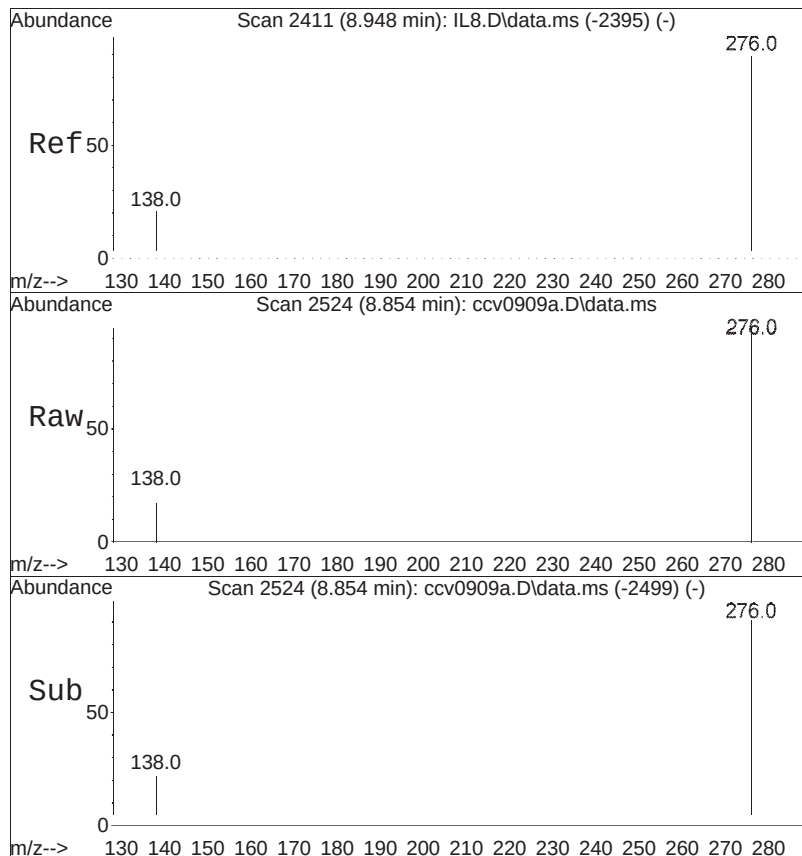




#43
 Dibenzo[a,h]anthracene
 Concen: 1031.75 ng/ml M6
 RT: 8.584 min Scan# 2438
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

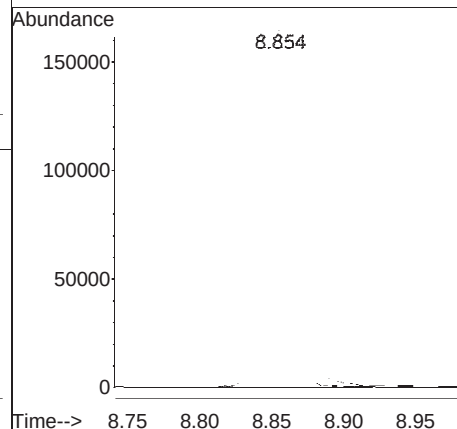
Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1022.76 ng/ml
 RT: 8.854 min Scan# 2524
 Delta R.T. 0.000 min
 Lab File: ccv0909a.D
 Acq: 09 Sep 2025 09:20 am

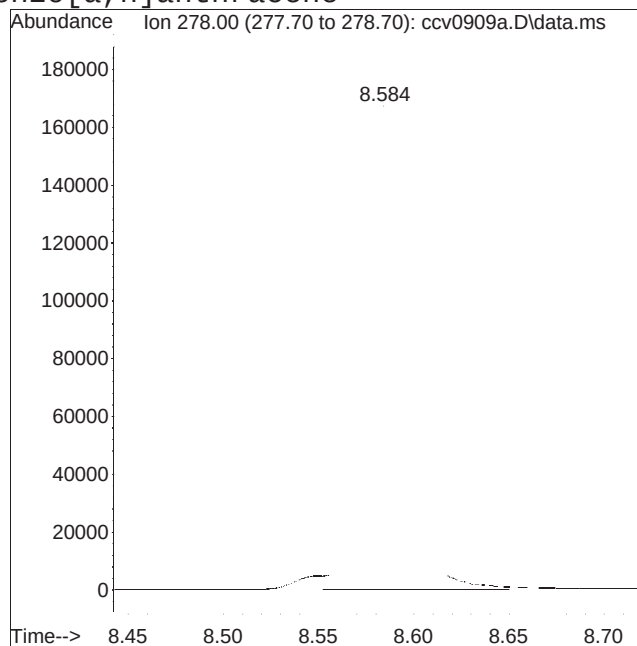
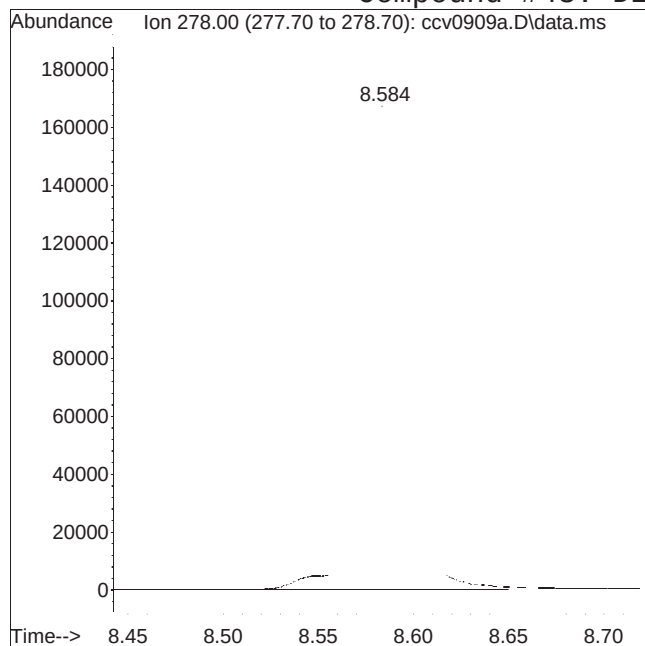
Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		258683		
138	23.1			18.1	27.1



Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVTQMethod : SIM-RVT_250908_sv125.M
Data File : ccv0909a.D Operator : SV125:rp
Date Inj'd : 9/9/2025 9:20 am Instrument : SV125
Sample : WG2112407-3,32,,ICV 11696 (000000) Date : 9/9/2025 5:43 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 257020

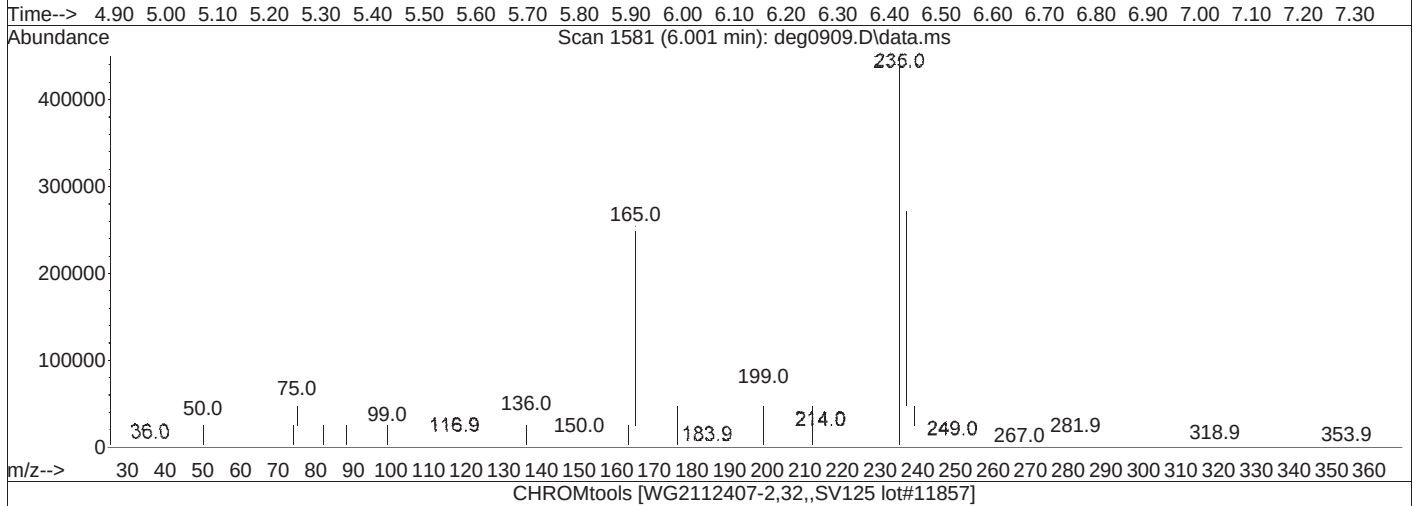
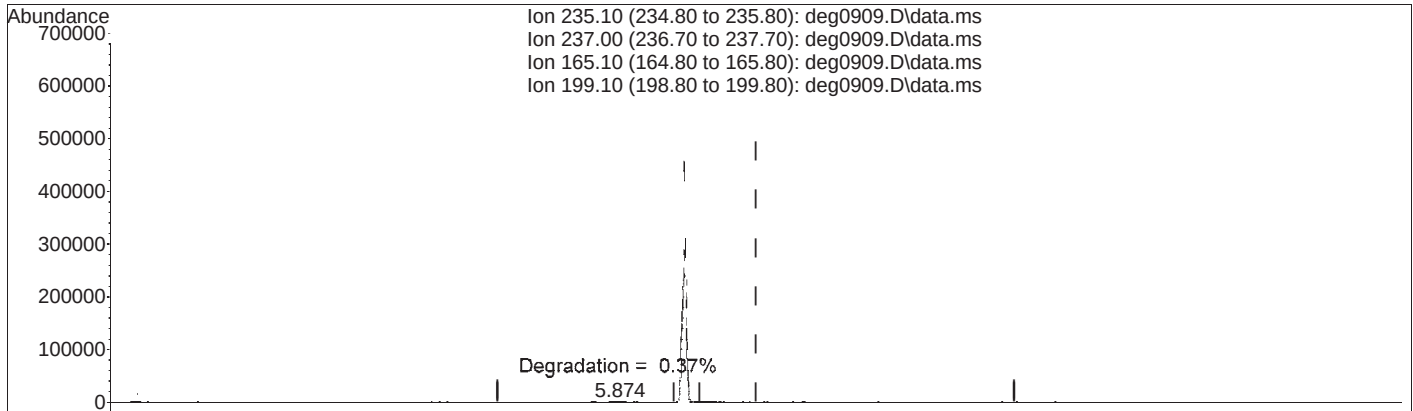
Manual Peak Response = 250985 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : deg0909.D
Acq On : 09 Sep 2025 08:28 am
Operator : SV125:rp
Sample : WG2112407-2,32,,SV125 lot#11857
Misc : WG2112407,,ical22616
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 09 08:52:55 2025
Quant Method : I:\8270SIM\SV125\250909RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 25 10:44:55 2025
Response via : Continuing Cal File:



(6) ddt (T)

6.001min (-0.140) 38.19

response 232798

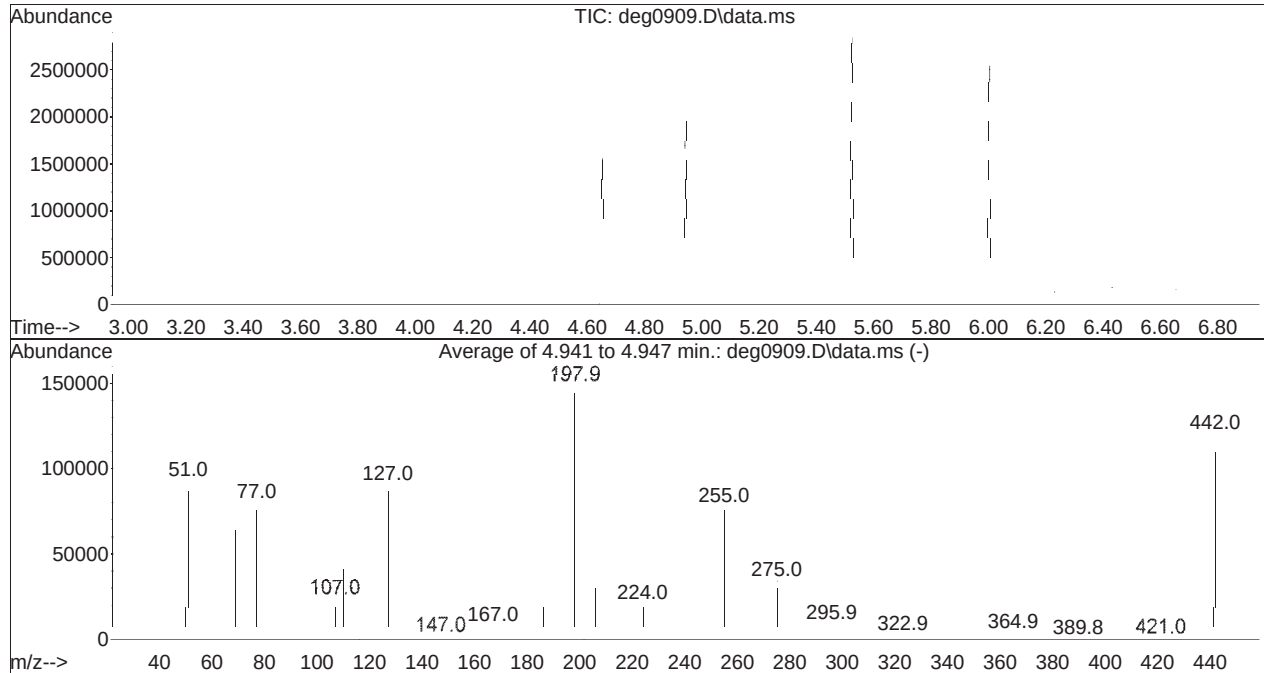
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	65.68
165.10	53.30	54.92
199.10	17.10	15.06

DFTPP

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : deg0909.D
 Acq On : 09 Sep 2025 08:28 am
 Operator : SV125:rp
 Sample : WG2112407-1,32,,SV125 lot#11857
 Misc : WG2112407,,ical22616
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 09 15:24:20 2025



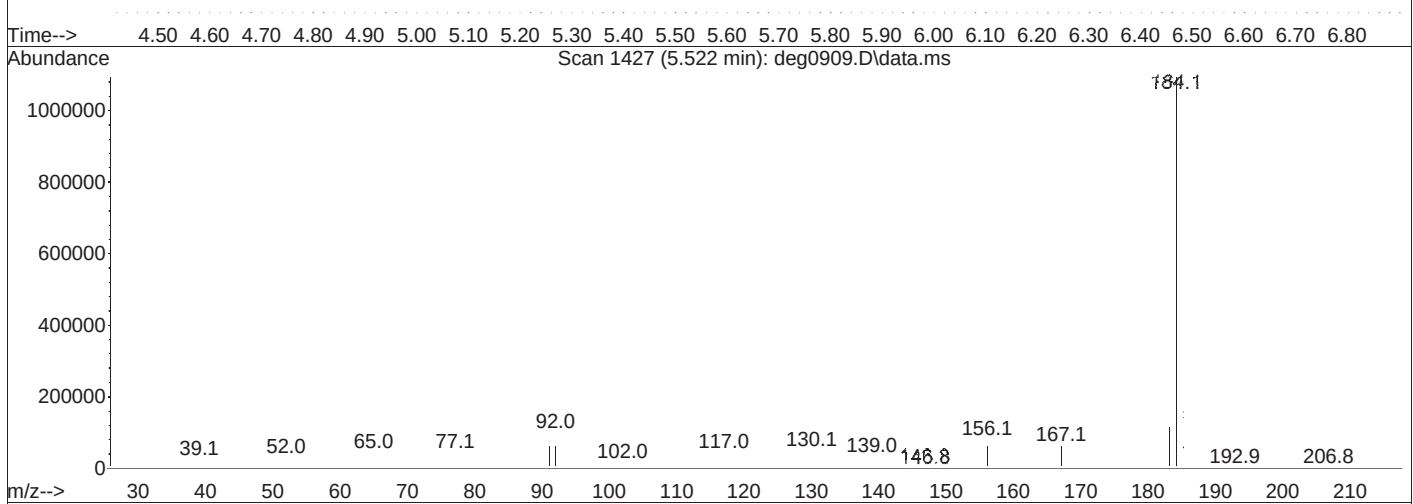
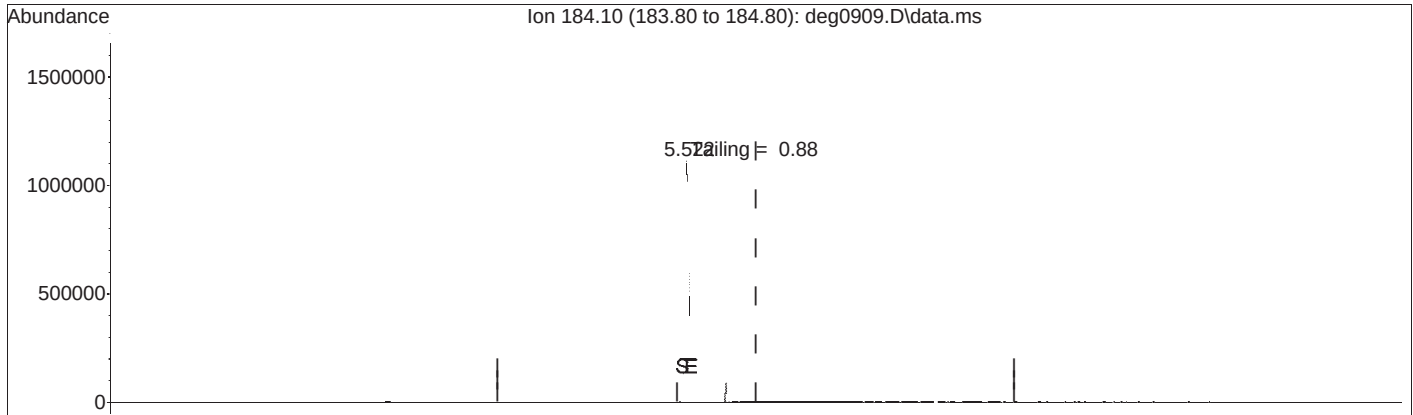
Spectrum Information: Average of 4.941 to 4.947 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	60.2	93093	PASS
68	69	0.00	2	1.9	1364	PASS
69	69	100	100	100.0	71421	PASS
70	69	0.00	2	0.5	369	PASS
127	198	10	80	58.5	90437	PASS
197	198	0.00	2	0.2	357	PASS
198	198	100	100	100.0	154555	PASS
199	198	5	9	7.1	11041	PASS
275	198	10	60	22.1	34109	PASS
365	198	1	100	2.4	3750	PASS
441	442	0.01	24	16.9	20313	PASS
442	198	50	100	77.9	120395	PASS
443	442	15	24	20.9	25208	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : deg0909.D
 Acq On : 09 Sep 2025 08:28 am
 Operator : SV125:rp
 Sample : WG2112407-4,32,,SV125 lot#11857
 Misc : WG2112407,,ical22616
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 09 08:52:55 2025
 Quant Method : I:\8270SIM\SV125\250909RVT\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 25 10:44:55 2025
 Response via : Continuing Cal File:



CHROMtools [WG2112407-4,32,,SV125 lot#11857]

(3) benzidine (T)

5.522min (-0.134) 57.42

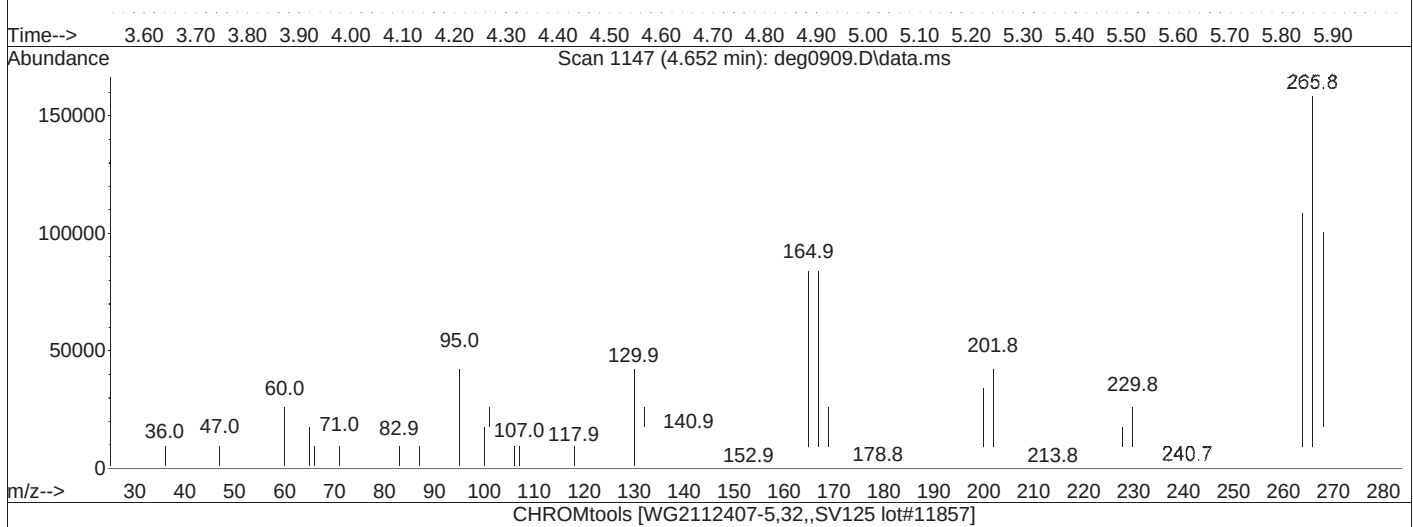
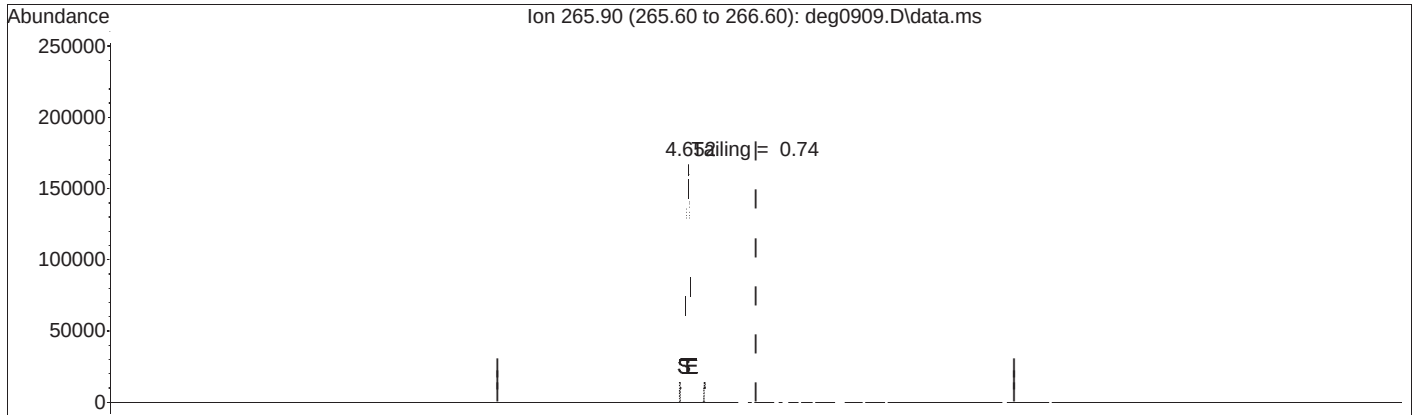
response 584520

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : deg0909.D
Acq On : 09 Sep 2025 08:28 am
Operator : SV125:rp
Sample : WG2112407-5,32,,SV125 lot#11857
Misc : WG2112407,,ical22616
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 09 08:52:55 2025
Quant Method : I:\8270SIM\SV125\250909RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 25 10:44:55 2025
Response via : Continuing Cal File:



(1) pentachlorophenol (T)

4.652min (-0.131) 39.65

response 83288

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Lab File ID : CCV0909A
 Sample No : WG2112407-3
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/09/25 09:20
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	81	0
N-Nitrosodimethylamine	0.648	0.67	.05	-3.4	20	81	0
2-Fluorophenol	0.988	1.167	.05	-18.1	20	89	0
Phenol-d6	1.22	1.356	.05	-11.1	20	84	0
Bis(2-chloroethyl)ether	1.1	1.078	.05	2	20	76	0
n-nitrosodi-n-propylamine	0.731	0.713	.05	2.5	20	77	0
Hexachloroethane	0.502	0.492	.05	2	20	80	0
Nitrobenzene-d5	0.974	1.024	.05	-5.1	20	78	0
Naphthalene-d8	1	1	.05	0	20	80	0
Naphthalene	1.058	0.975	.05	7.8	20	78	0
Hexachlorobutadiene	0.175	0.165	.05	5.7	20	76	0
2-Methylnaphthalene	0.617	0.603	.05	2.3	20	78	0
1-Methylnaphthalene	0.663	0.639	.05	3.6	20	79	0
2-Fluorobiphenyl	0.816	0.771	.05	5.5	20	78	0
2-Chloronaphthalene	0.693	0.649	.05	6.3	20	76	0
2,6-Dinitrotoluene	0.128	0.134	.05	-4.7	20	80	0
Acenaphthylene	1.095	1.085	.05	0.9	20	76	0
Acenaphthene-d10	1	1	.05	0	20	79	0
Acenaphthene	1.279	1.225	.05	4.2	20	77	0
2,4-Dinitrotoluene	1000	943.536	.05	5.6	20	78	0
Fluorene	1.432	1.394	.05	2.7	20	77	0
2,4,6-Tribromophenol	0.149	0.187	.05	-25.5*	20	87	0
Phenanthrene-d10	1	1	.05	0	20	80	0
4,6-Dinitro-o-cresol	1000	938.407	.05	6.2	20	82	0
Hexachlorobenzene	0.217	0.203	.05	6.5	20	75	0
Pentachlorophenol	1000	1215.8	.05	-21.6*	20	108	0
Phenanthrene	1.143	1.093	.05	4.4	20	78	0
Anthracene	1.09	1.058	.05	2.9	20	77	0
Fluoranthene	1.236	1.23	.05	0.5	20	80	0
Pyrene	1.268	1.278	.05	-0.8	20	79	0
Benzidine	1000	672.402	.05	32.8*	20	55	0
4-Terphenyl-d14	0.802	0.779	.05	2.9	20	80	0
Chrysene-d12	1	1	.05	0	20	81	0
Benzo[a]anthracene	1000	995.614	.05	0.4	20	81	0
3,3'-Dichlorobenzidine	1000	952.47	.05	4.8	20	80	0
Chrysene	1.27	1.296	.05	-2	20	79	0
Bis(2-ethylhexyl)phthalate	1000	978.06	.05	2.2	20	82	0
Perylene-d12	1	1	.05	0	20	81	0
Benzo[b]fluoranthene	1.265	1.344	.05	-6.2	20	86	0
Benzo[k]fluoranthene	1.282	1.333	.05	-4	20	79	0
Benzo[a]pyrene	1.119	1.214	.05	-8.5	20	83	0
Indeno[1,2,3-cd]pyrene	1.063	1.143	.05	-7.5	20	82	0
Dibenzo[a,h]anthracene	1.054	1.087	.05	-3.1	20	81	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV125
Lab File ID : CCV0909A
Sample No : WG2112407-3
Channel :

Lab Number : L2555605
Project Number : 2232.0006Y005
Calibration Date : 09/09/25 09:20
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.121	.05	-2.3	20	80	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Lab File ID : CCV0909N
 Sample No : WG2112655-3
 Channel :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Calibration Date : 09/09/25 21:15
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	88	0
N-Nitrosodimethylamine	0.648	0.692	.05	-6.8	20	91	0
2-Fluorophenol	0.988	1.193	.05	-20.7*	20	99	0
Phenol-d6	1.22	1.426	.05	-16.9	20	95	0
Bis(2-chloroethyl)ether	1.1	1.089	.05	1	20	84	0
n-nitrosodi-n-propylamine	0.731	0.749	.05	-2.5	20	88	0
Hexachloroethane	0.502	0.489	.05	2.6	20	86	0
Nitrobenzene-d5	0.974	1.103	.05	-13.2	20	91	0
Naphthalene-d8	1	1	.05	0	20	87	0
Naphthalene	1.058	0.977	.05	7.7	20	85	0
Hexachlorobutadiene	0.175	0.163	.05	6.9	20	82	0
2-Methylnaphthalene	0.617	0.611	.05	1	20	86	0
1-Methylnaphthalene	0.663	0.647	.05	2.4	20	87	0
2-Fluorobiphenyl	0.816	0.771	.05	5.5	20	85	0
2-Chloronaphthalene	0.693	0.652	.05	5.9	20	83	0
2,6-Dinitrotoluene	0.128	0.147	.05	-14.8	20	95	0
Acenaphthylene	1.095	1.116	.05	-1.9	20	86	0
Acenaphthene-d10	1	1	.05	0	20	87	0
Acenaphthene	1.279	1.244	.05	2.7	20	86	0
2,4-Dinitrotoluene	1000	1062.503	.05	-6.3	20	97	0
Fluorene	1.432	1.425	.05	0.5	20	86	0
2,4,6-Tribromophenol	0.149	0.199	.05	-33.6*	20	102	0
Phenanthrene-d10	1	1	.05	0	20	90	0
4,6-Dinitro-o-cresol	1000	1047.469	.05	-4.7	20	104	0
Hexachlorobenzene	0.217	0.202	.05	6.9	20	84	0
Pentachlorophenol	1000	1271.813	.05	-27.2*	20	128	0
Phenanthrene	1.143	1.09	.05	4.6	20	88	0
Anthracene	1.09	1.073	.05	1.6	20	88	0
Fluoranthene	1.236	1.245	.05	-0.7	20	91	0
Pyrene	1.268	1.288	.05	-1.6	20	90	0
Benzidine	1000	716.842	.05	28.3*	20	69	0
4-Terphenyl-d14	0.802	0.768	.05	4.2	20	90	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	1011.129	.05	-1.1	20	91	0
3,3'-Dichlorobenzidine	1000	1008.443	.05	-0.8	20	95	0
Chrysene	1.27	1.286	.05	-1.3	20	88	0
Bis(2-ethylhexyl)phthalate	1000	1061.937	.05	-6.2	20	100	0
Perylene-d12	1	1	.05	0	20	88	0
Benzo[b]fluoranthene	1.265	1.306	.05	-3.2	20	92	0
Benzo[k]fluoranthene	1.282	1.39	.05	-8.4	20	91	0
Benzo[a]pyrene	1.119	1.225	.05	-9.5	20	92	0
Indeno[1,2,3-cd]pyrene	1.063	1.169	.05	-10	20	92	0
Dibenzo[a,h]anthracene	1.054	1.114	.05	-5.7	20	90	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV125
Lab File ID : CCV0909N
Sample No : WG2112655-3
Channel :

Lab Number : L2555605
Project Number : 2232.0006Y005
Calibration Date : 09/09/25 21:15
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.154	.05	-5.3	20	90	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : ccv0909n.D
 Acq On : 09 Sep 2025 09:15 pm
 Operator : SV125:rp
 Sample : WG2112655-3,32,,ICV 11696 (0829e)
 Misc : WG2112655,,ICAL22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 09 21:49:46 2025
 Quant Method : I:\8270SIM\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:15 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
2 T	N-Nitrosodimethylamine	0.648	0.692	-6.8	91	0.00
3 s	2-Fluorophenol	0.988	1.193	-20.7#	99	0.00
4 s	Phenol-d6	1.220	1.426	-16.9	95	0.00
5 T	Bis(2-chloroethyl)ether	1.100	1.089	1.0	84	0.00
6 T	n-nitrosodi-n-propylamine	0.731	0.749	-2.5	88	0.00
7 t	Hexachloroethane	0.502	0.489	2.6	86	0.00
8 s	Nitrobenzene-d5	0.974	1.103	-13.2	91	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	87	0.00
10 t	Naphthalene	1.058	0.977	7.7	85	0.00
11 t	Hexachlorobutadiene	0.175	0.163	6.9	82	0.00
12 t	2-Methylnaphthalene	0.617	0.611	1.0	86	0.00
13 t	1-Methylnaphthalene	0.663	0.647	2.4	87	0.00
14 s	2-Fluorobiphenyl	0.816	0.771	5.5	85	0.00
15 t	2-Chloronaphthalene	0.693	0.652	5.9	83	0.00
16 t	2,6-Dinitrotoluene	0.128	0.147	-14.8	95	0.00
17 t	Acenaphthylene	1.095	1.116	-1.9	86	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
19 t	Acenaphthene	1.279	1.244	2.7	86	0.00
20 t	2,4-Dinitrotoluene	*1000.000	1062.503	-6.3	97	0.00
21 t	Fluorene	1.432	1.425	0.5	86	0.00
22 s	2,4,6-Tribromophenol	0.149	0.199	-33.6#	102	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	90	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	1047.469	-4.7	104	0.00
25 t	Hexachlorobenzene	0.217	0.202	6.9	84	0.00
26 t	Pentachlorophenol	*1000.000	1271.813	-27.2#	128	0.00
27 t	Phenanthrene	1.143	1.090	4.6	88	0.00
28 t	Anthracene	1.090	1.073	1.6	88	0.00
29 t	Fluoranthene	1.236	1.245	-0.7	91	0.00
30 t	Pyrene	1.268	1.288	-1.6	90	0.00
31 T	Benzidine	*1000.000	716.842	28.3#	69	0.00
32 s	4-Terphenyl-d14	0.802	0.768	4.2	90	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	90	0.00
34 t	Benzo[a]anthracene	*1000.000	1011.129	-1.1	91	0.00
35 t	3,3'-Dichlorobenzidine	*1000.000	1008.443	-0.8	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : ccv0909n.D
 Acq On : 09 Sep 2025 09:15 pm
 Operator : SV125:rp
 Sample : WG2112655-3,32,,ICV 11696 (0829e)
 Misc : WG2112655,,ICAL22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 09 21:49:46 2025
 Quant Method : I:\8270SIM\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:15 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.270	1.286	-1.3	88	0.00
37 T	Bis(2-ethylhexyl)phthalate	*1000.000	1061.937	-6.2	100	0.00
38 i	Perylene-d12	1.000	1.000	0.0	88	0.00
39 t	Benzo[b]fluoranthene	1.265	1.306	-3.2	92	0.00
40 t	Benzo[k]fluoranthene	1.282	1.390	-8.4	91	0.00
41 t	Benzo[a]pyrene	1.119	1.225	-9.5	92	0.00
42 t	Indeno[1,2,3-cd]pyrene	1.063	1.169	-10.0	92	0.00
43 t	Dibenzo[a,h]anthracene	1.054	1.114	-5.7	90	0.00
44 t	Benzo[g,h,i]perylene	1.096	1.154	-5.3	90	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : ccv0909n.D
 Acq On : 09 Sep 2025 09:15 pm
 Operator : SV125:rp
 Sample : WG2112655-3,32,,ICV 11696 (0829e)
 Misc : WG2112655,,ICAL22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 09 21:49:46 2025
 Quant Method : I:\8270SIM\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:15 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	283010	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.974	136	1111417	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.939	164	629089	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.773	188	1261937	4000.000	ng/ml	0.00
33) Chrysene-d12	6.308	240	1059001M2	4000.000	ng/ml	0.00
38) Perylene-d12	7.380	264	1011246M2	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	84412	1207.856	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	60.39%		
4) Phenol-d6	2.139	99	100914	1168.816	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	58.44%		
8) Nitrobenzene-d5	2.596	82	78016	1131.565	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	113.16%		
14) 2-Fluorobiphenyl	3.569	172	214360	945.081	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	94.51%		
22) 2,4,6-Tribromophenol	4.382	330	31278	1337.323	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	66.87%		
32) 4-Terphenyl-d14	5.690	244	242297	958.078	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	95.81%		
Target Compounds						
					Qvalue	
2) N-Nitrosodimethylamine	1.237	74	48938	1067.306	ng/mL#	94
5) Bis(2-chloroethyl)ether	2.186	93	77048	989.760	ng/ml	99
6) n-nitrosodi-n-propylamine	2.522	70	53016	1024.962	ng/ml	100
7) Hexachloroethane	2.571	117	34617	974.865	ng/ml	98
10) Naphthalene	2.983	128	271599	924.138	ng/ml	100
11) Hexachlorobutadiene	3.060	225	45254	929.423	ng/ml	99
12) 2-Methylnaphthalene	3.362	142	169772	989.765	ng/ml	99
13) 1-Methylnaphthalene	3.416	142	179698	975.117	ng/ml	97
15) 2-Chloronaphthalene	3.630	162	181160	941.064	ng/ml	100
16) 2,6-Dinitrotoluene	3.826	165	40947	1152.294	ng/ml	99
17) Acenaphthylene	3.859	152	309949	1018.382	ng/ml	100
19) Acenaphthene	3.957	153	195609	972.595	ng/ml	96
20) 2,4-Dinitrotoluene	4.052	165	56401	1062.503	ng/ml	97
21) Fluorene	4.244	166	224173	995.368	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.278	198	30023	1047.469	ng/ml	99
25) Hexachlorobenzene	4.560	284	63852	931.947	ng/ml	99
26) Pentachlorophenol	4.669	266	30814	1271.813	ng/ml	98
27) Phenanthrene	4.785	178	343768	953.724	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : ccv0909n.D
 Acq On : 09 Sep 2025 09:15 pm
 Operator : SV125:rp
 Sample : WG2112655-3,32,,ICV 11696 (0829e)
 Misc : WG2112655,,ICAL22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 09 21:49:46 2025
 Quant Method : I:\8270SIM\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:15 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	Anthracene	4.811	178	338383	984.071	ng/ml	100
29)	Fluoranthene	5.459	202	392854	1007.823	ng/ml	99
30)	Pyrene	5.586	202	406197	1015.276	ng/ml	100
31)	Benzidine	5.542	184	97183	716.842	ng/mL	99
34)	Benzo[a]anthracene	6.300	226	103083M3	1011.129	ng/ml	
35)	3,3'-Dichlorobenzidine	6.294	252	137887M2	1008.443	ng/ml	
36)	Chrysene	6.321	228	340482M2	1012.468	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.343	149	207998M6	1061.937	ng/ml	
39)	Benzo[b]fluoranthene	7.047	252	330172M3	1032.108	ng/ml	
40)	Benzo[k]fluoranthene	7.070	252	351531M2	1084.426	ng/ml	
41)	Benzo[a]pyrene	7.320	252	309686M3	1095.149	ng/ml	
42)	Indeno[1,2,3-cd]pyrene	8.470	276	295468M3	1099.680	ng/ml	
43)	Dibenzo[a,h]anthracene	8.505	278	281561M2	1056.912	ng/ml	
44)	Benzo[g,h,i]perylene	8.778	276	291869M2	1053.733	ng/ml	

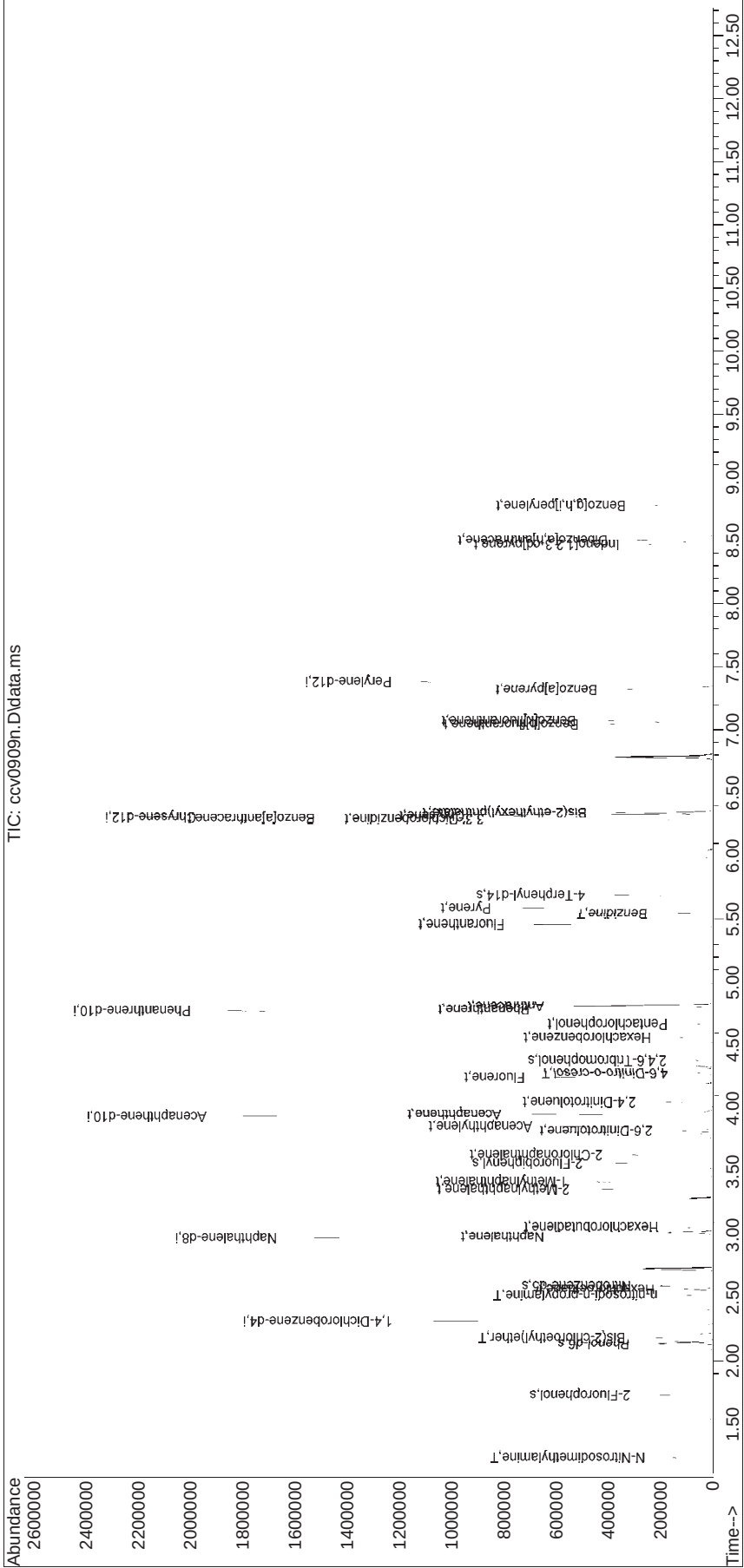
(#) = qualifier out of range (m) = manual integration (+) = signals summed

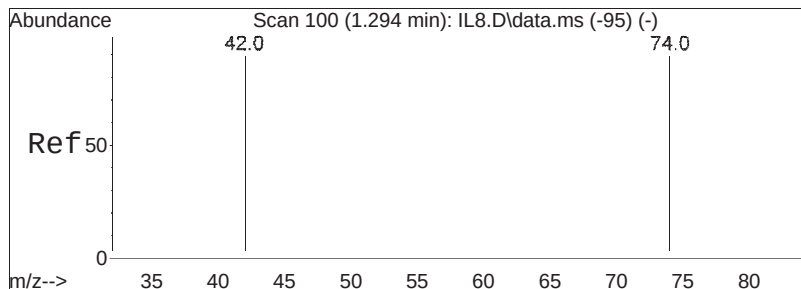
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
Data File : ccv0909n.D
Acq On : 09 Sep 2025 09:15 pm
Operator : SV125:rp
Sample : WG2112655-3,32,,ICV 11696 (0829e)
Misc : WG2112655,,ICAL22616
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 09 21:49:46 2025
Quant Method : I:\8270SIM\SV125\250909nRVT\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 21:50:15 2025
Response via : Initial Calibration

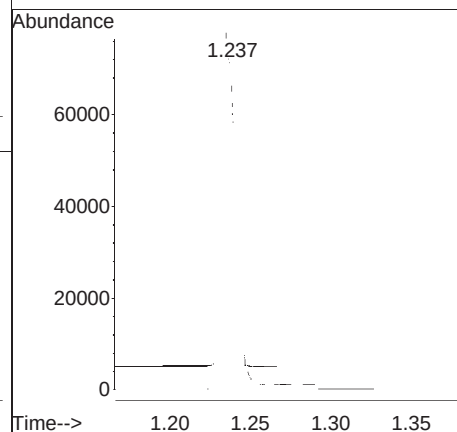
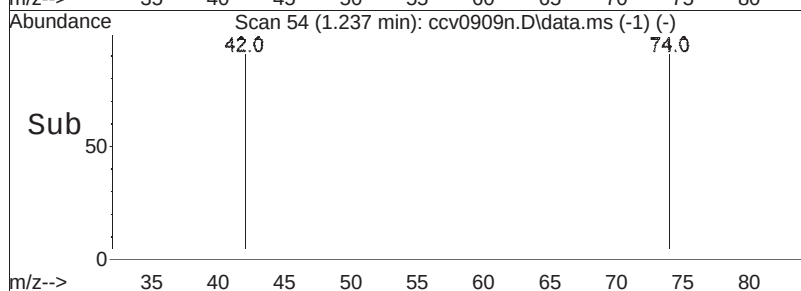
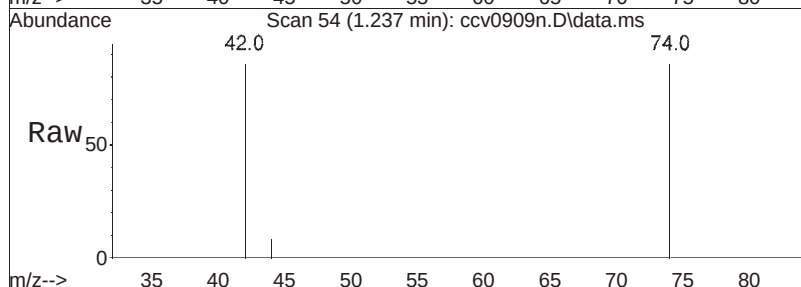
Sub List : Default - All compounds listed

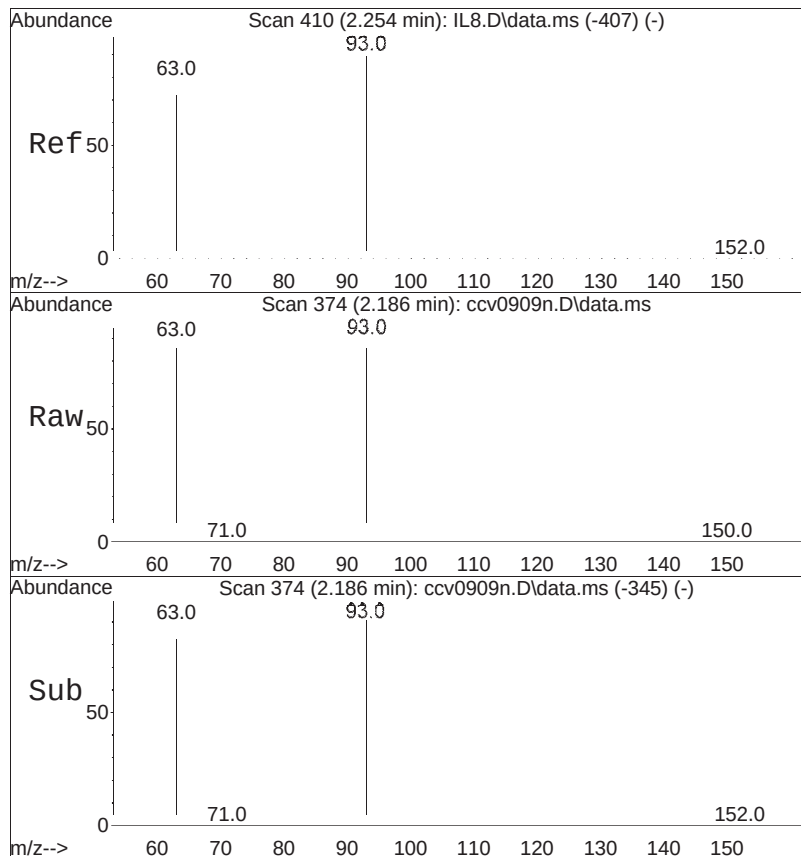




#2
 N-Nitrosodimethylamine
 Concen: 1067.31 ng/mL
 RT: 1.237 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

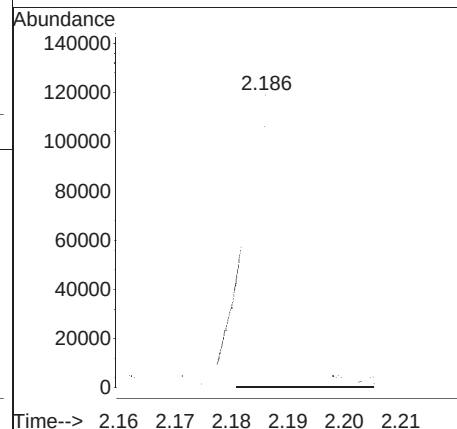
Tgt Ion	Ratio	Lower	Upper
74	100		
42	102.1	86.9	130.3
44	9.0	5.8	8.8#

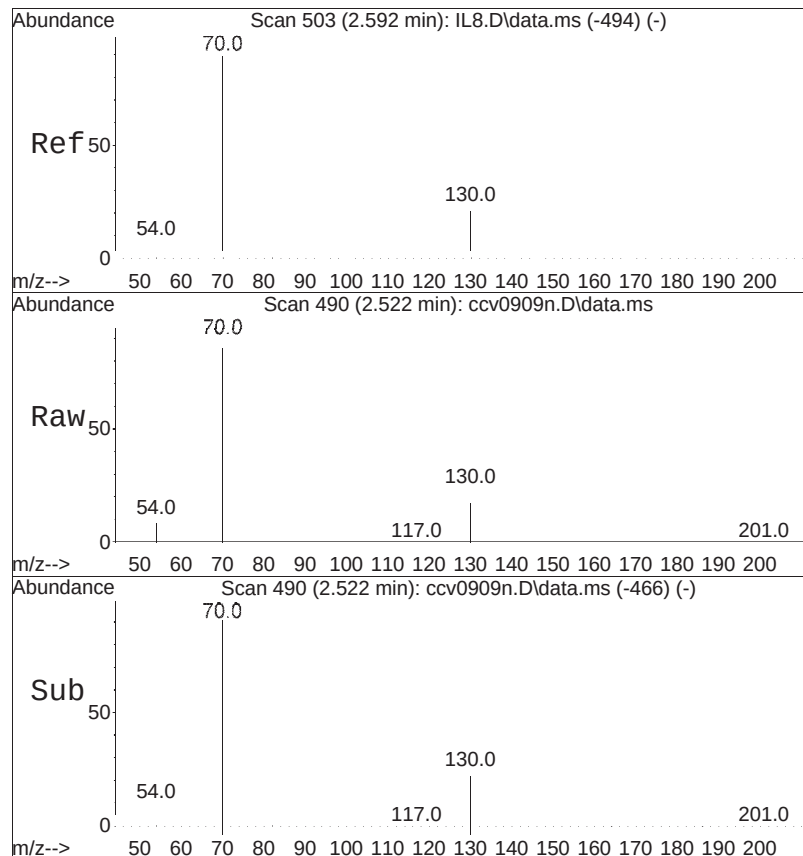




#5
 Bis(2-chloroethyl)ether
 Concen: 989.76 ng/ml
 RT: 2.186 min Scan# 374
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

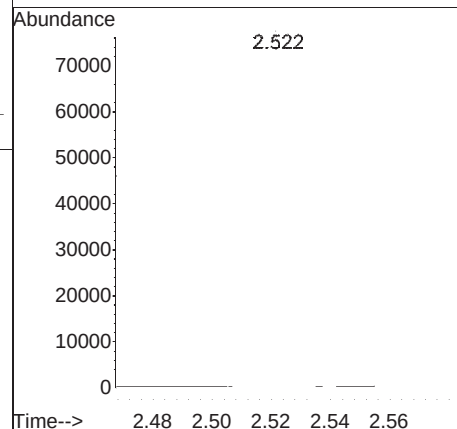
Tgt Ion	Ion	Ratio	Lower	Upper
93	100			
63	86.8	68.6	103.0	

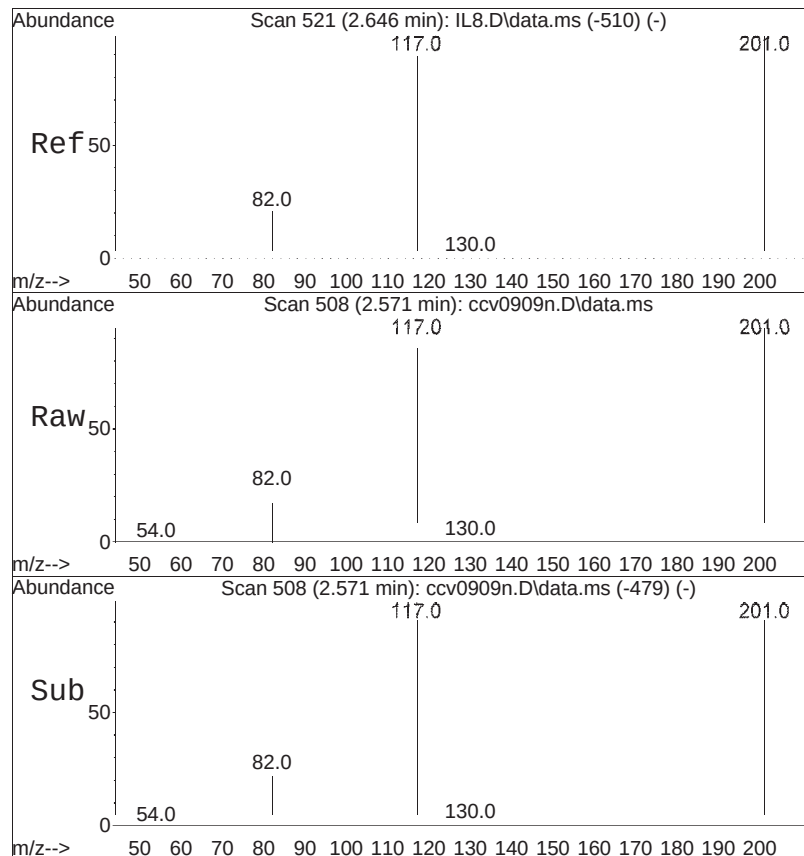




#6
 n-nitrosodi-n-propylamine
 Concen: 1024.96 ng/ml
 RT: 2.522 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

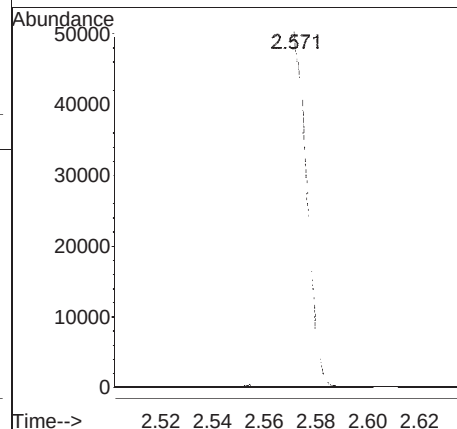
Tgt Ion:	70	Resp:	53016
Ion Ratio	Lower	Upper	
70	100		
130	22.9	18.4	27.6

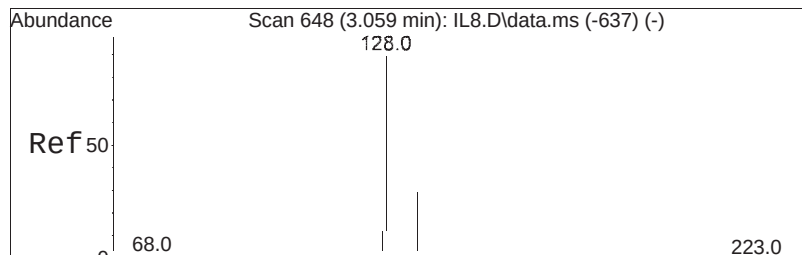




#7
 Hexachloroethane
 Concen: 974.86 ng/ml
 RT: 2.571 min Scan# 508
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

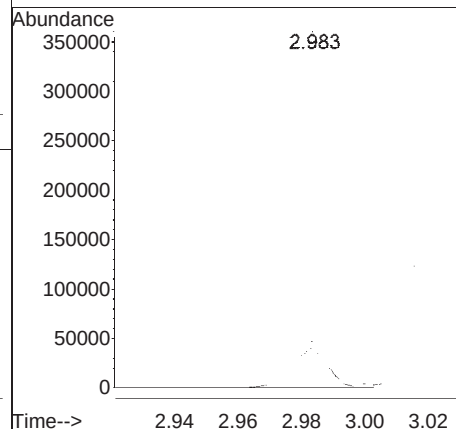
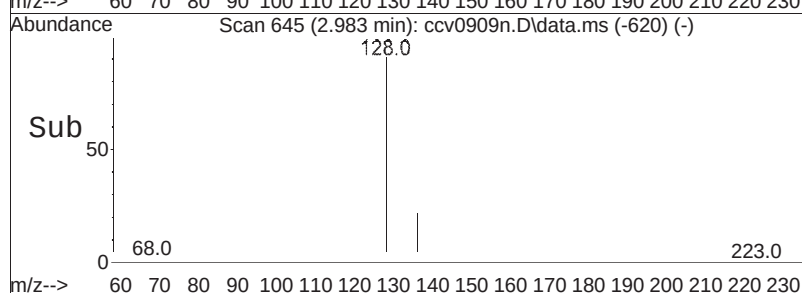
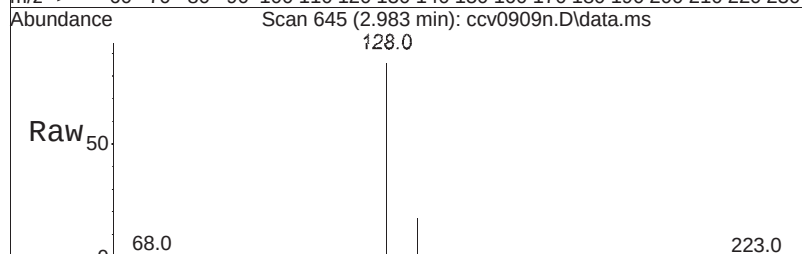
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34617		
201	98.3	80.2	120.2	

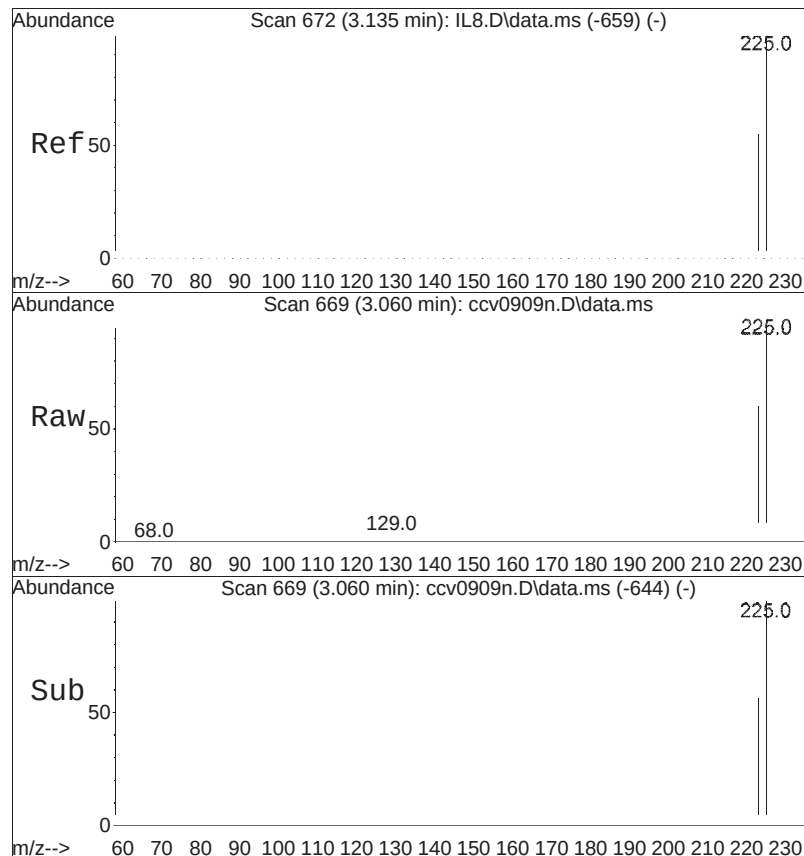




#10
Naphthalene
Concen: 924.14 ng/ml
RT: 2.983 min Scan# 645
Delta R.T. 0.000 min
Lab File: ccv0909n.D
Acq: 09 Sep 2025 09:15 pm

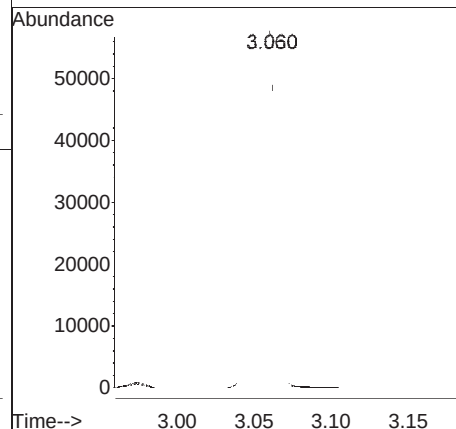
Tgt	Ion	128	Resp:	271599
Ion	Ratio	Lower	Upper	
128	100			
129	11.0	8.8	13.2	
127	13.2	10.6	15.8	

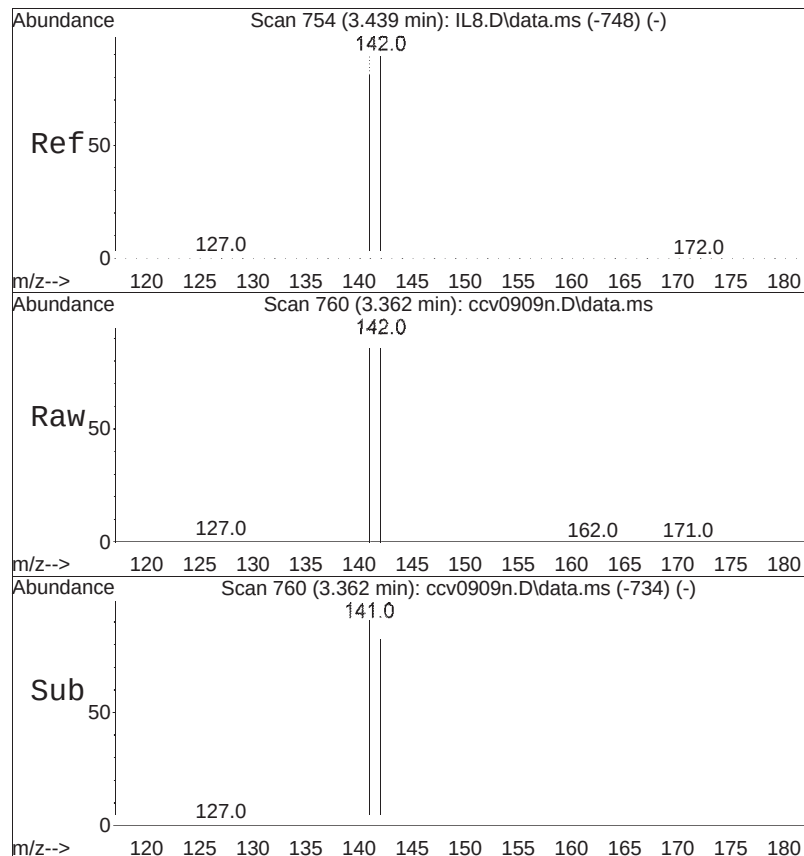




#11
 Hexachlorobutadiene
 Concen: 929.42 ng/ml
 RT: 3.060 min Scan# 669
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

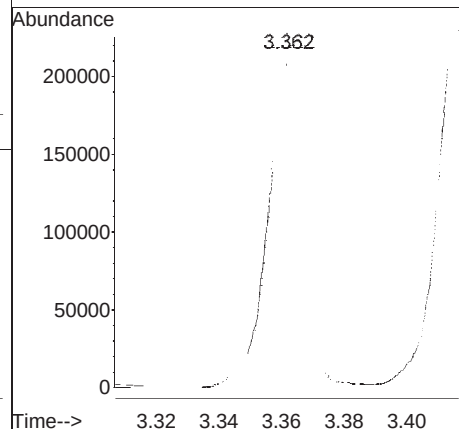
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8

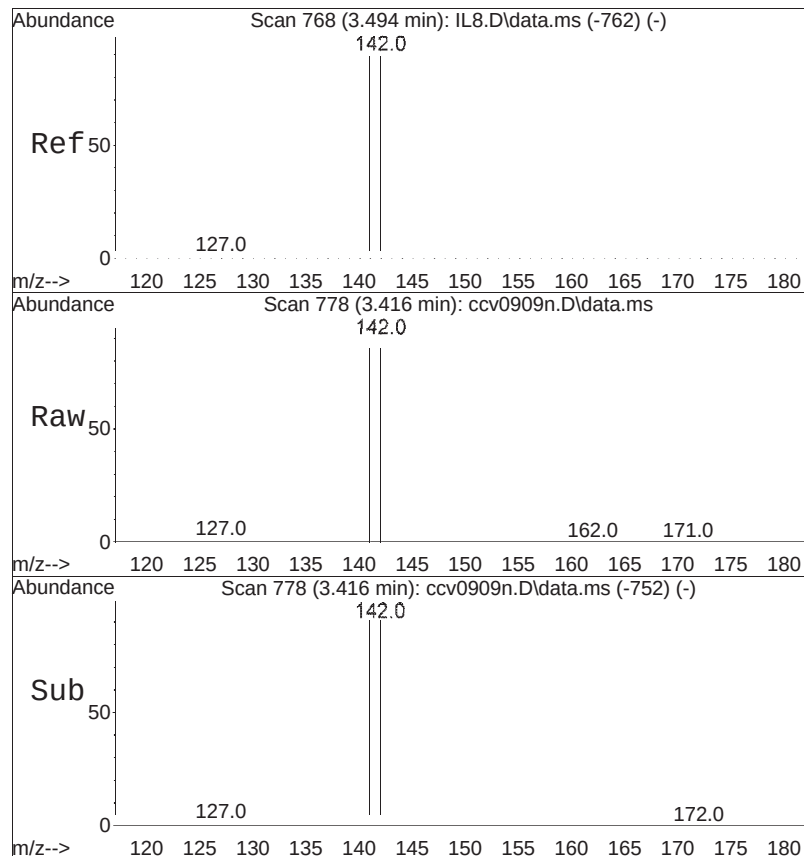




#12
 2-Methylnaphthalene
 Concen: 989.76 ng/ml
 RT: 3.362 min Scan# 760
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

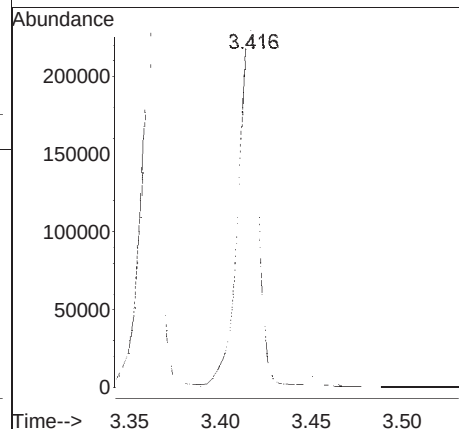
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.2	111.4

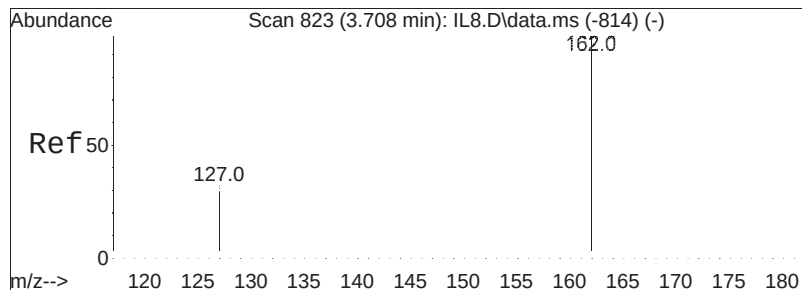




#13
 1-Methylnaphthalene
 Concen: 975.12 ng/ml
 RT: 3.416 min Scan# 778
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

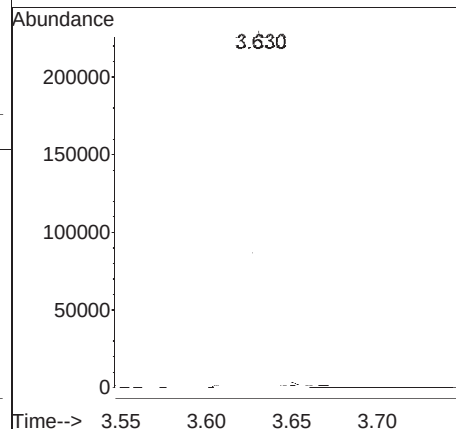
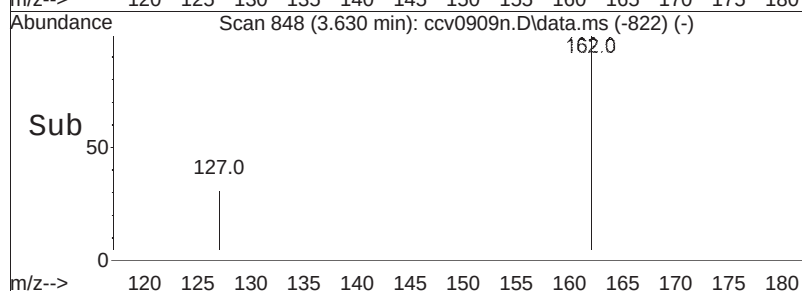
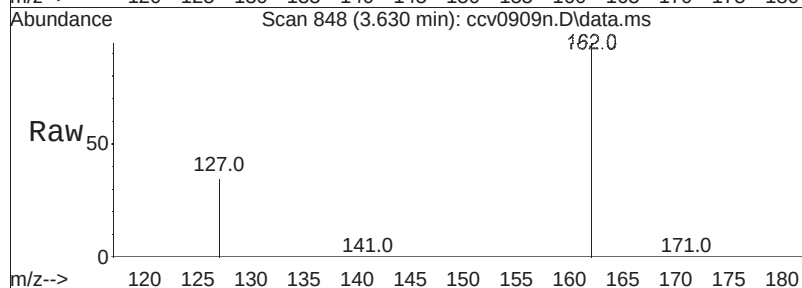
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	76.3	114.5

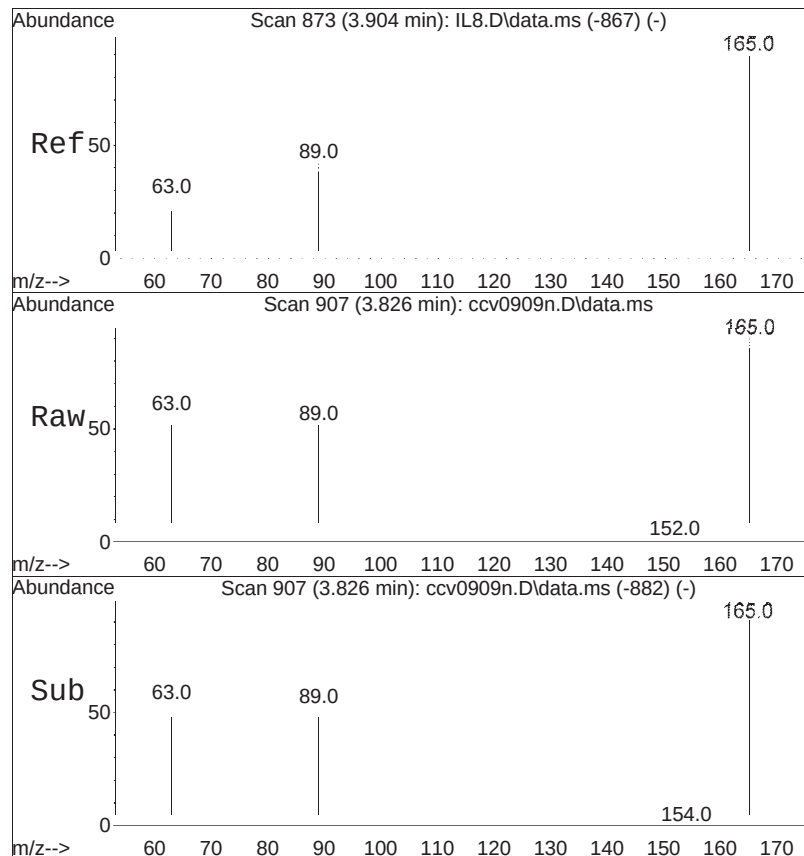




#15
 2-Chloronaphthalene
 Concen: 941.06 ng/ml
 RT: 3.630 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

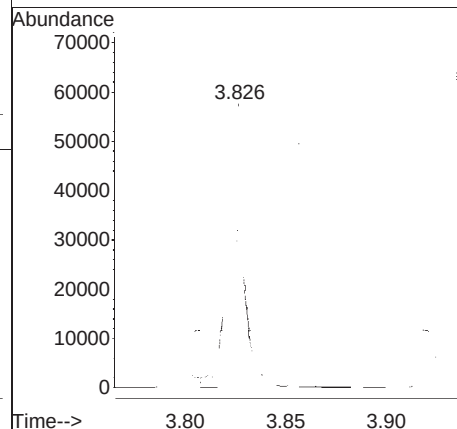
Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.8	30.0	45.0

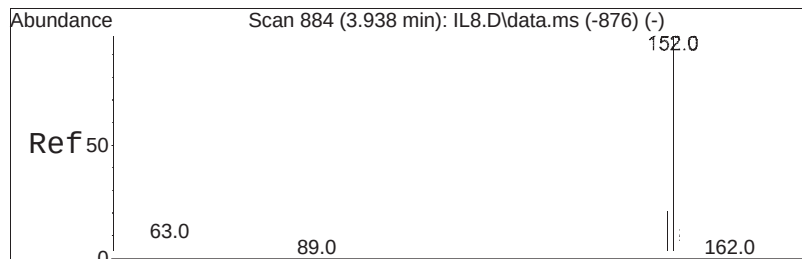




#16
 2,6-Dinitrotoluene
 Concen: 1152.29 ng/ml
 RT: 3.826 min Scan# 907
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

Tgt Ion:	165	Resp:	40947
Ion Ratio	Lower	Upper	
165	100		
89	53.0	43.1	64.7
63	54.5	43.4	65.2





#17

Acenaphthylene

Concen: 1018.38 ng/ml

RT: 3.859 min Scan# 918

Delta R.T. 0.000 min

Lab File: ccv0909n.D

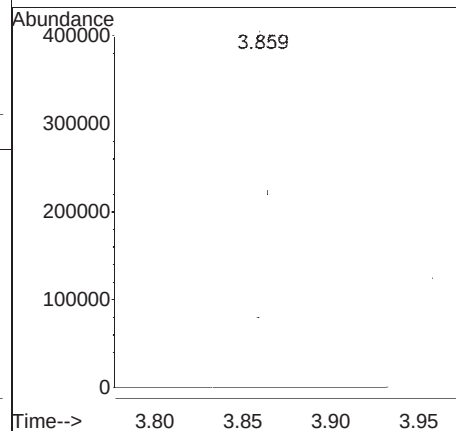
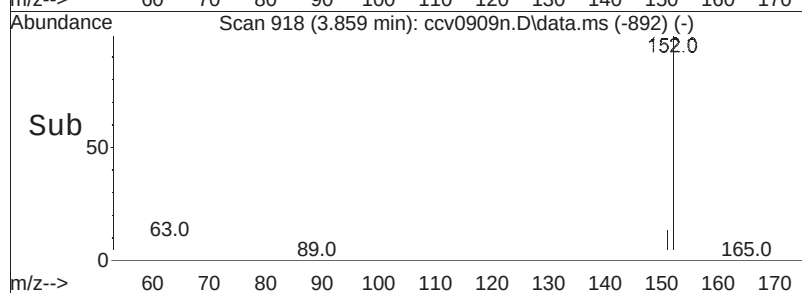
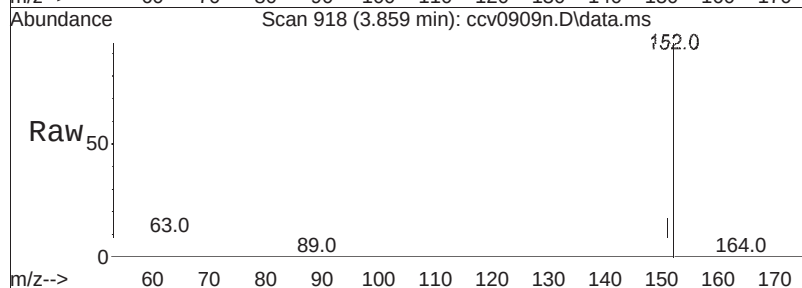
Acq: 09 Sep 2025 09:15 pm

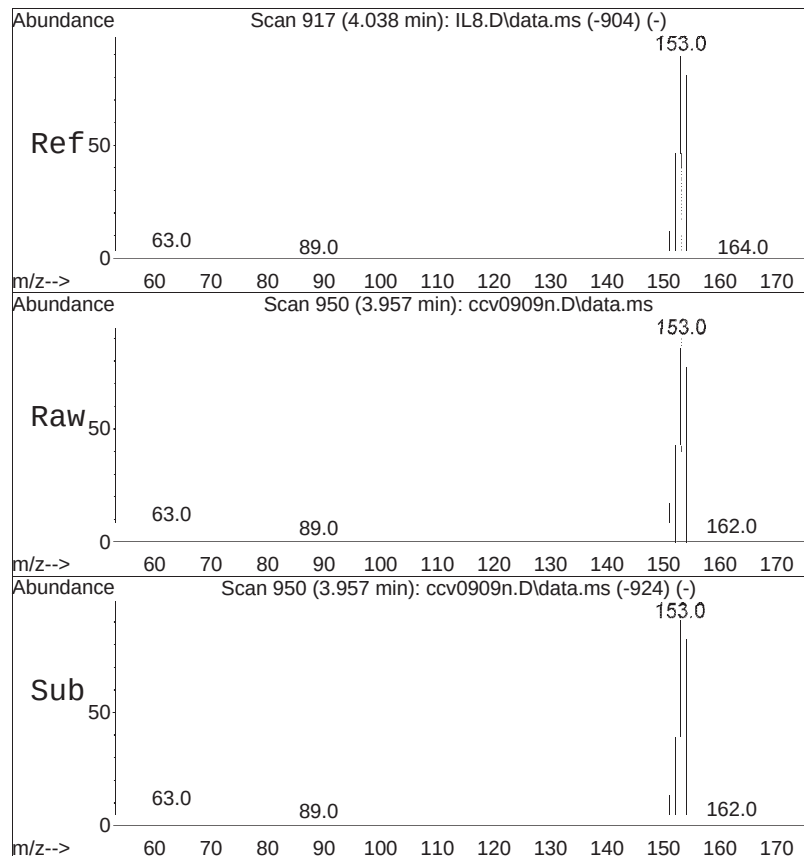
Tgt Ion: 152 Resp: 309949

Ion Ratio Lower Upper

152 100

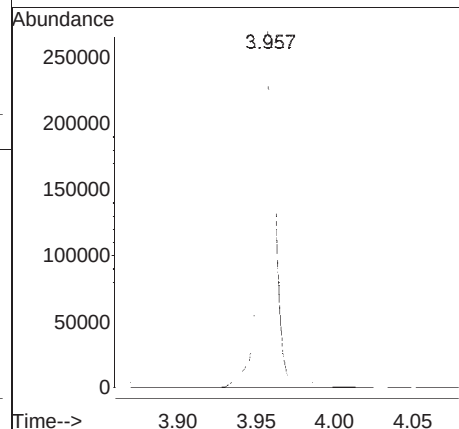
151 20.0 16.1 24.1

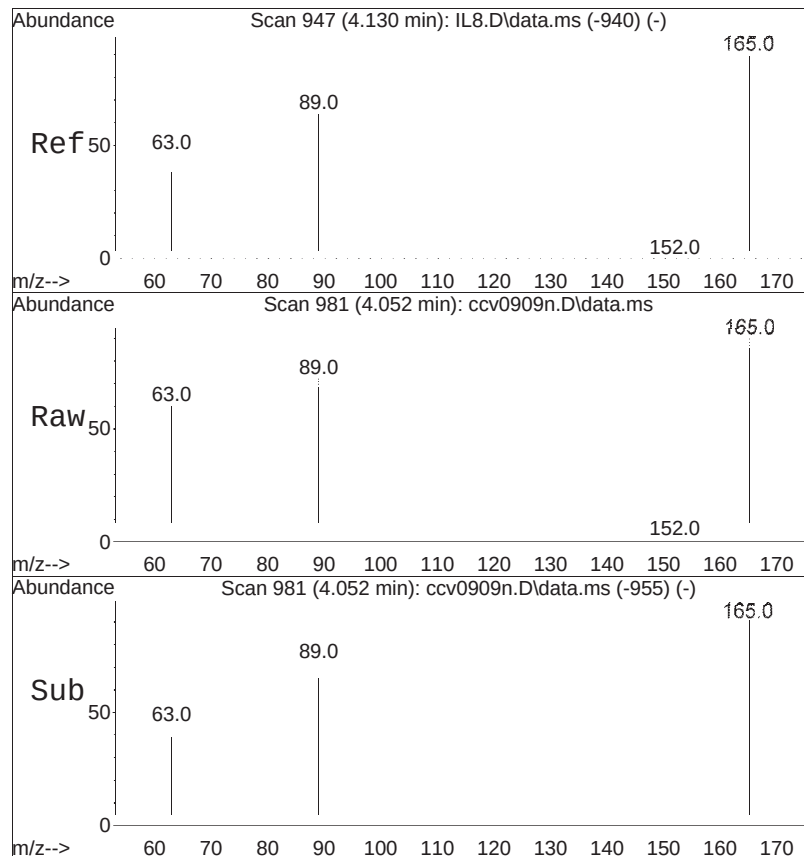




#19
 Acenaphthene
 Concen: 972.59 ng/ml
 RT: 3.957 min Scan# 950
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

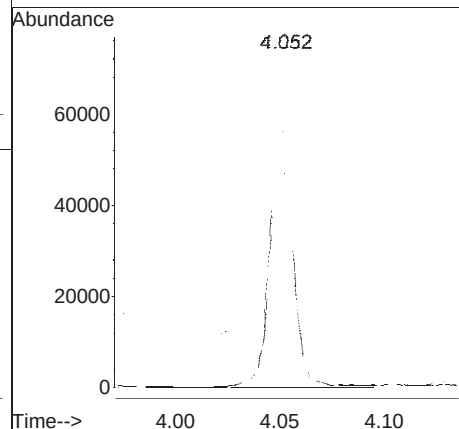
Tgt Ion	Ratio	Lower	Upper
153	100		
154	86.7	72.2	108.4

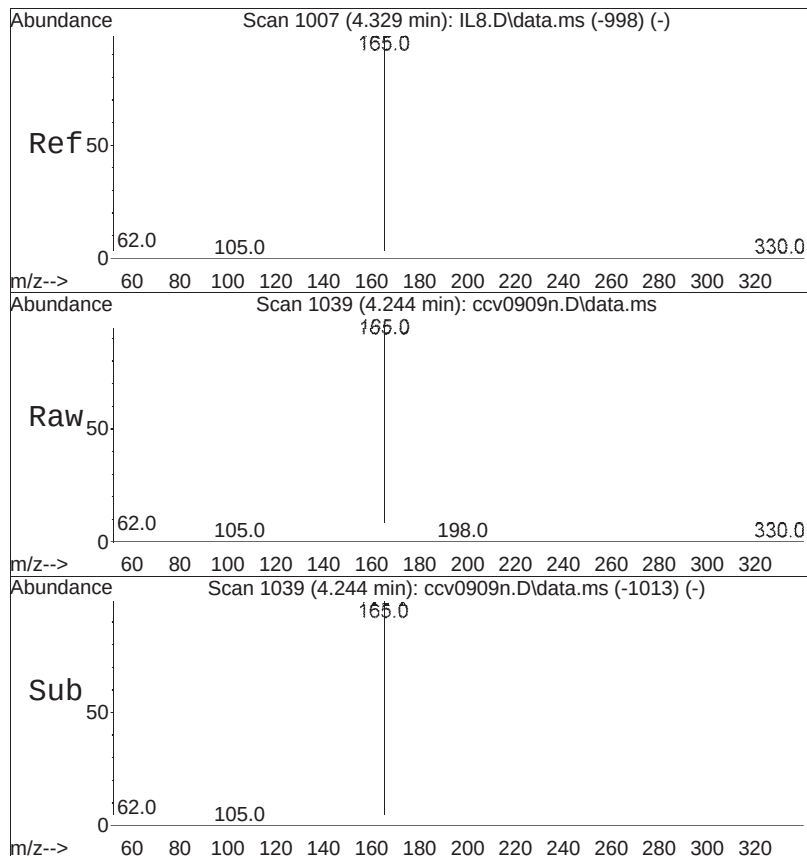




#20
 2,4-Dinitrotoluene
 Concen: 1062.50 ng/ml
 RT: 4.052 min Scan# 981
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

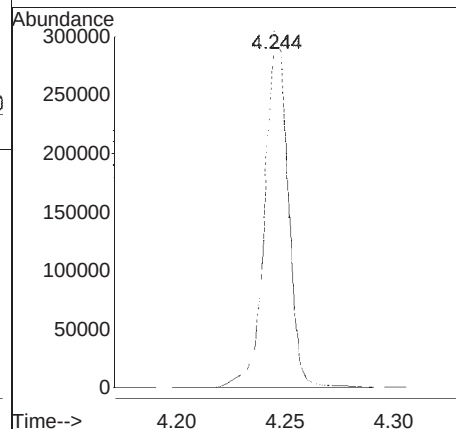
Tgt	Ion:165	Resp:	56401
Ion	Ratio	Lower	Upper
165	100		
89	76.9	62.5	93.7
63	63.2	53.8	80.6

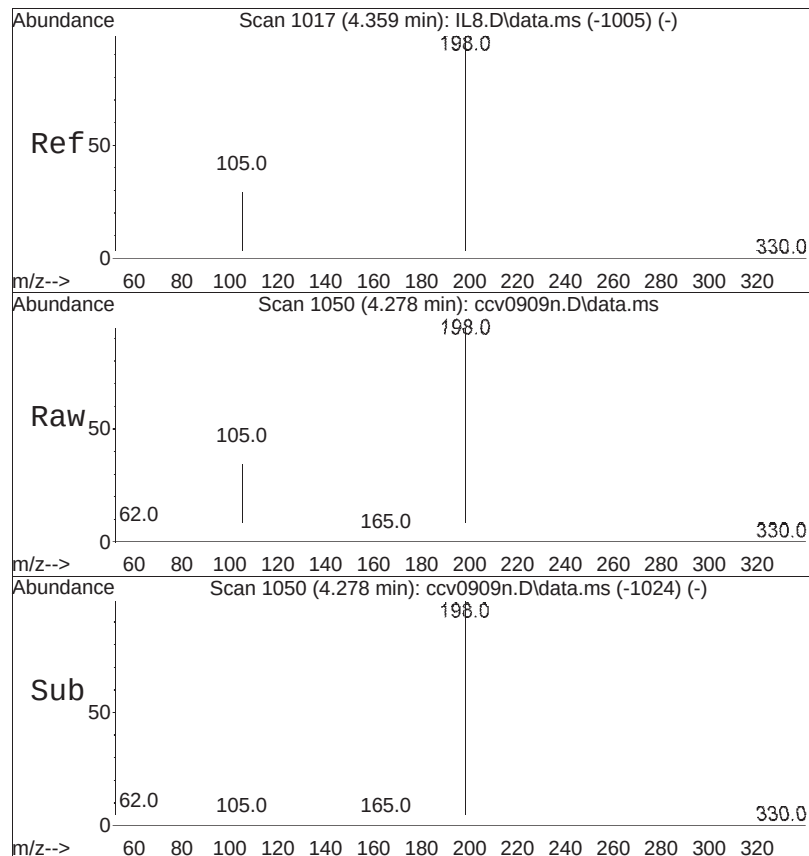




#21
 Fluorene
 Concen: 995.37 ng/ml
 RT: 4.244 min Scan# 1039
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

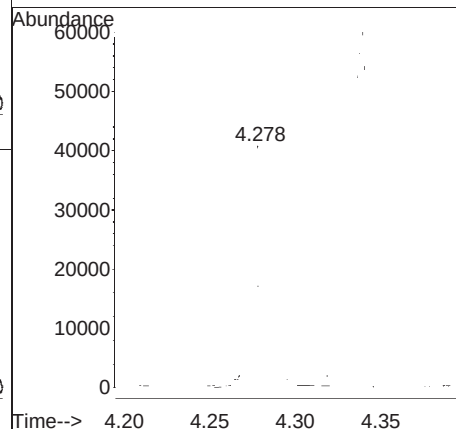
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	224173		
165	102.3	81.5	122.3	

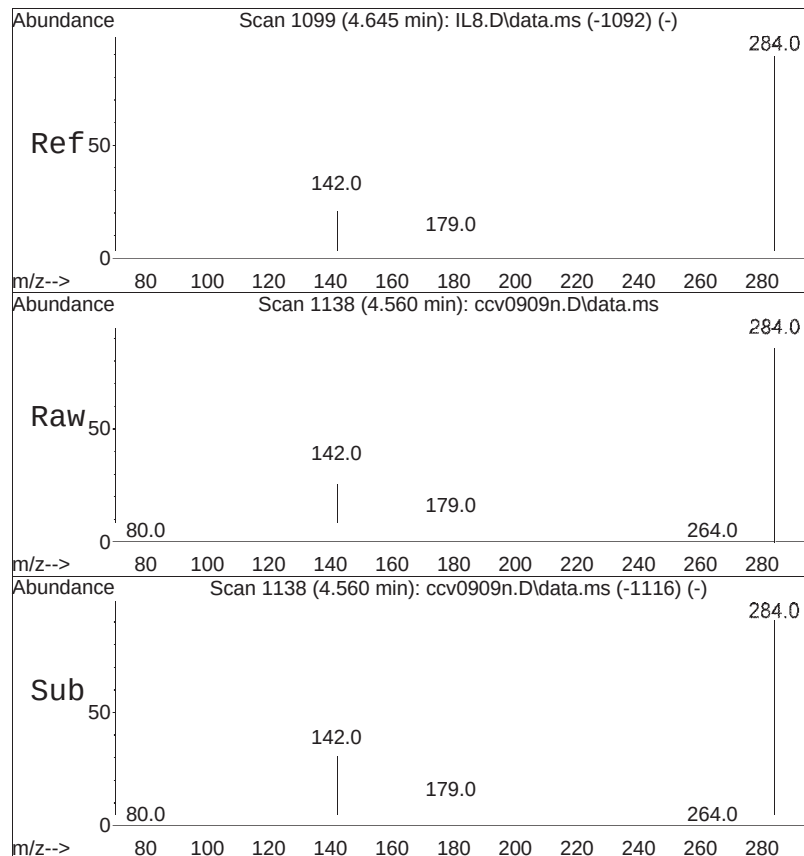




#24
 4,6-Dinitro-o-cresol
 Concen: 1047.47 ng/ml
 RT: 4.278 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

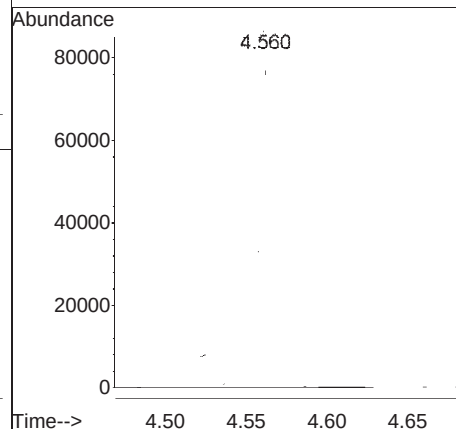
Tgt Ion	Ratio	Lower	Upper
198	100		
105	43.2	35.4	53.0

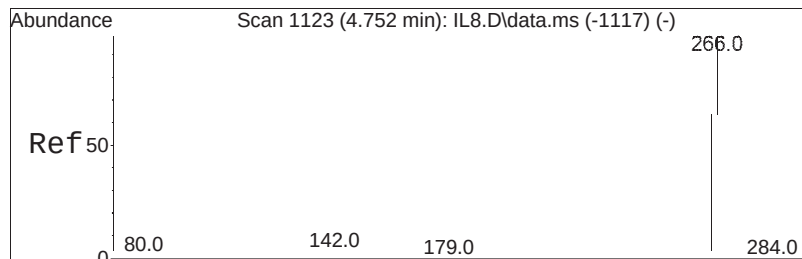




#25
 Hexachlorobenzene
 Concen: 931.95 ng/ml
 RT: 4.560 min Scan# 1138
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

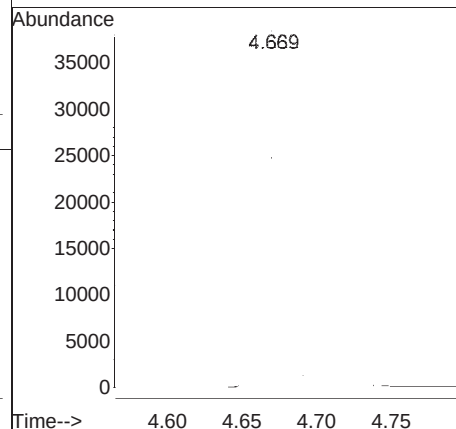
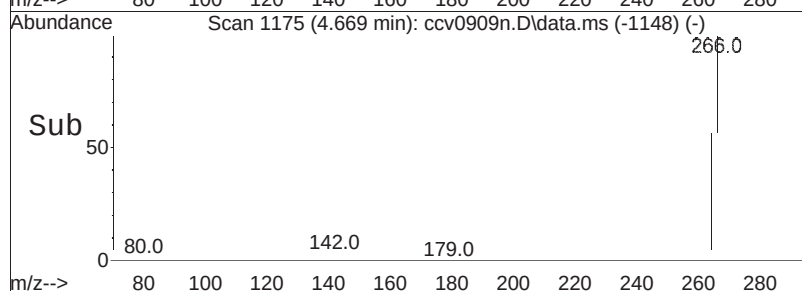
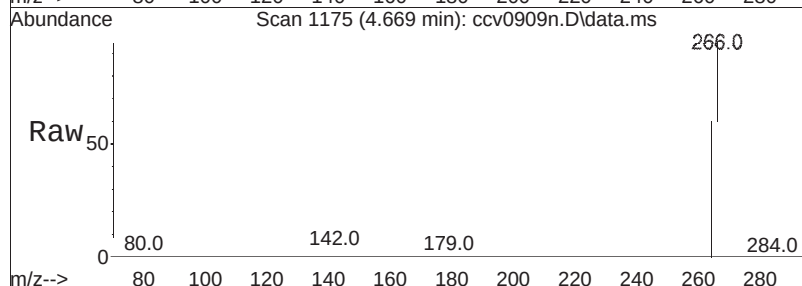
Tgt	Ion	Ratio	Lower	Upper
284	100			
142	37.3	29.4	44.2	

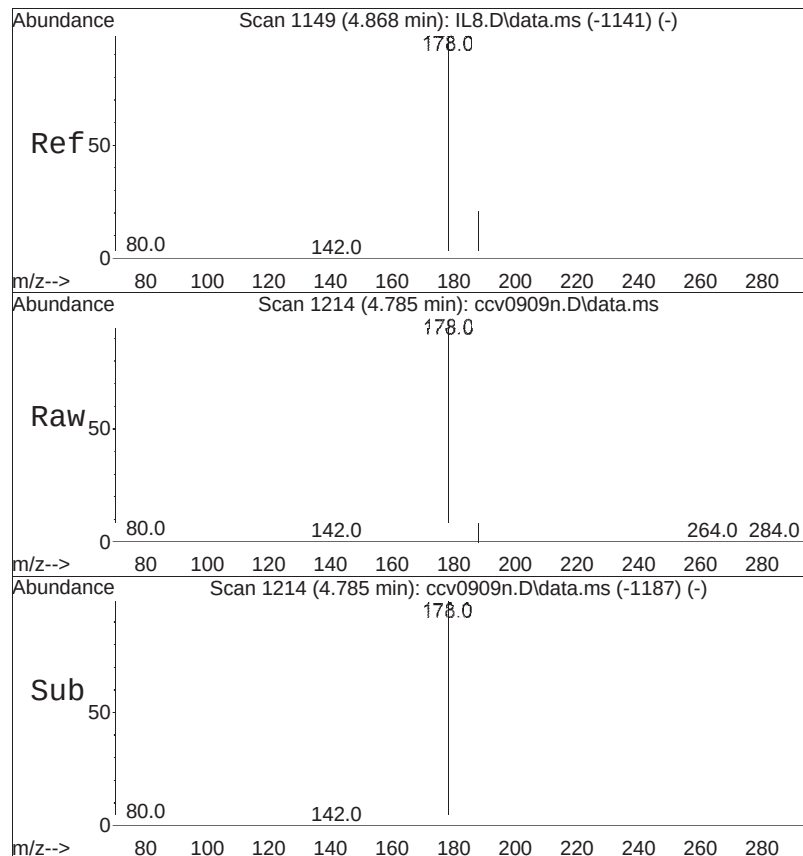




#26
 Pentachlorophenol
 Concen: 1271.81 ng/ml
 RT: 4.669 min Scan# 1175
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

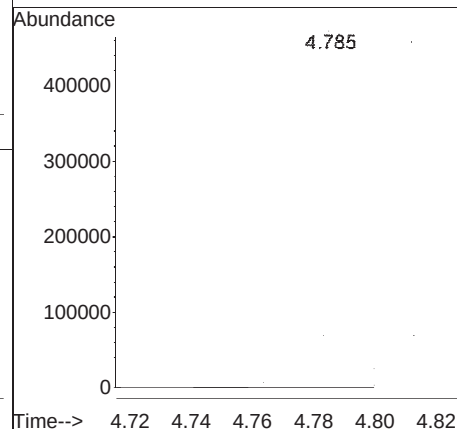
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.9	74.9

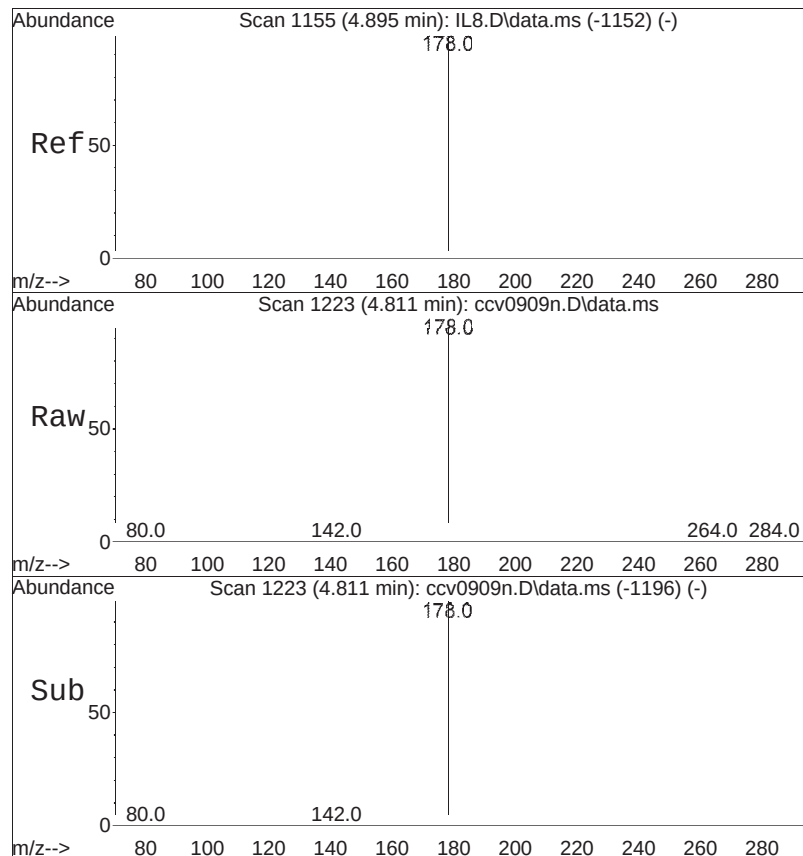




#27
 Phenanthrene
 Concen: 953.72 ng/ml
 RT: 4.785 min Scan# 1214
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

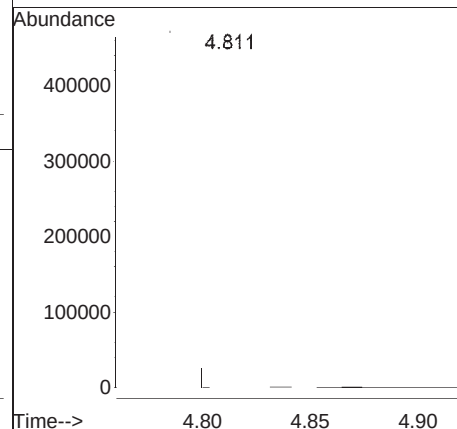
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

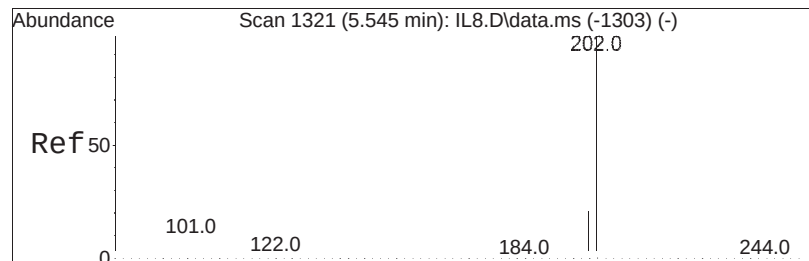




#28
 Anthracene
 Concen: 984.07 ng/ml
 RT: 4.811 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

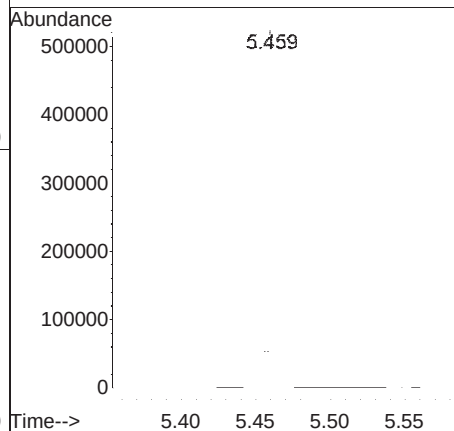
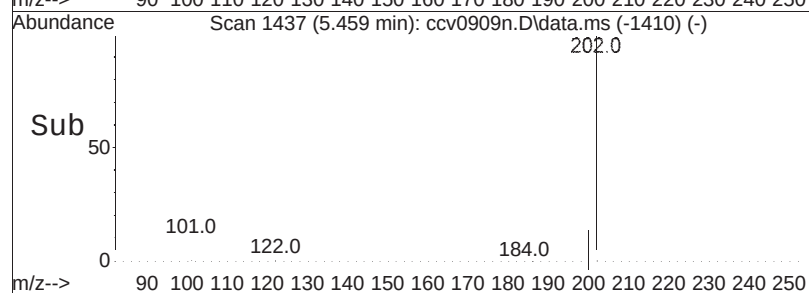
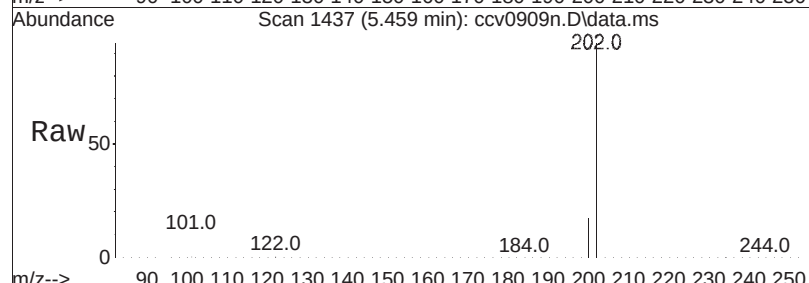
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

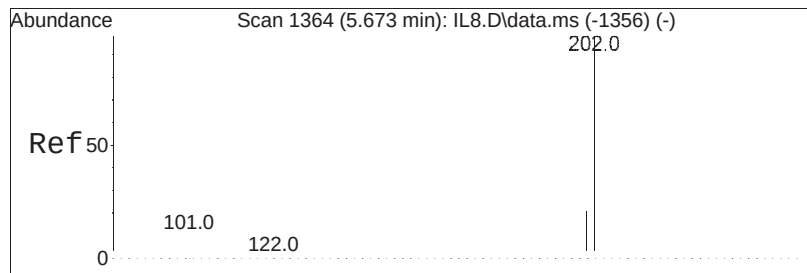




#29
 Fluoranthene
 Concen: 1007.82 ng/ml
 RT: 5.459 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

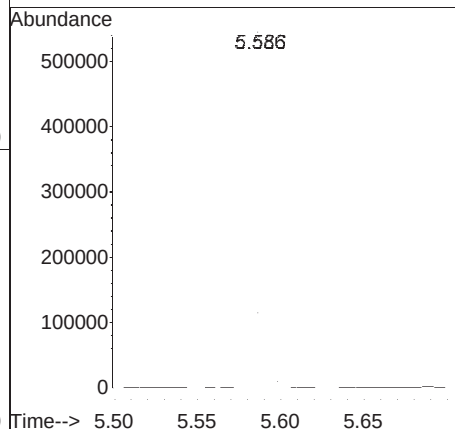
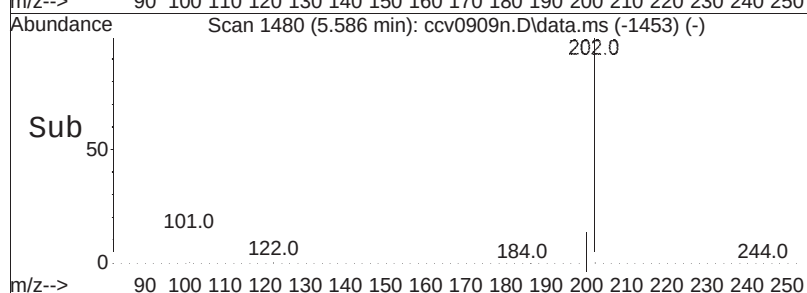
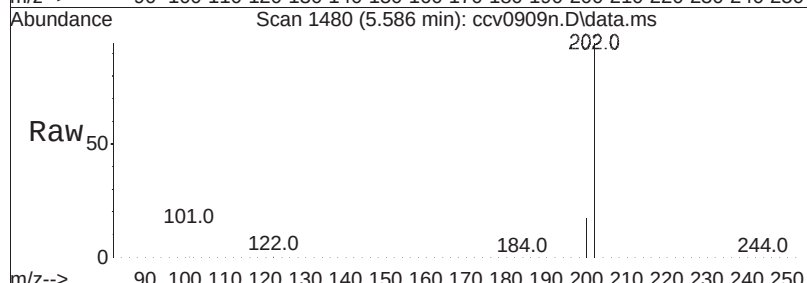
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.3	12.5

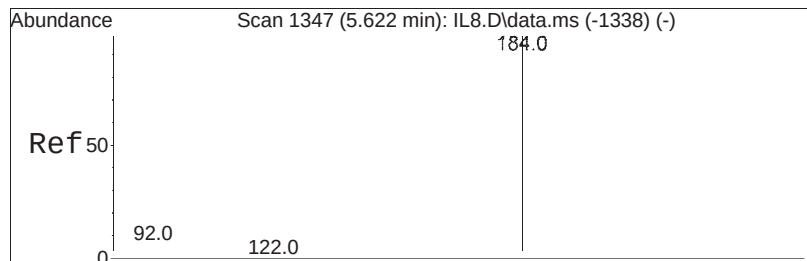




#30
 Pyrene
 Concen: 1015.28 ng/ml
 RT: 5.586 min Scan# 1480
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2





#31

Benzidine

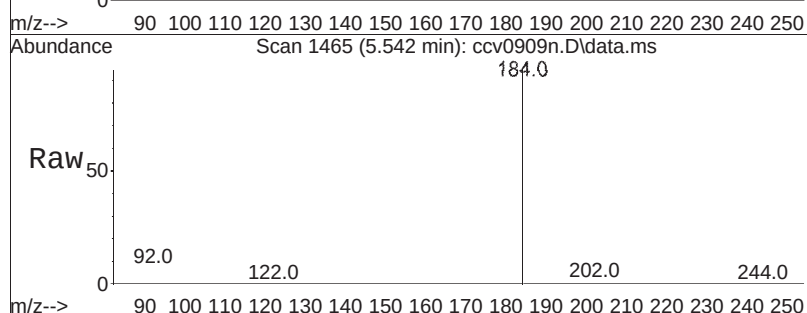
Concen: 716.84 ng/mL

RT: 5.542 min Scan# 1465

Delta R.T. 0.000 min

Lab File: ccv0909n.D

Acq: 09 Sep 2025 09:15 pm



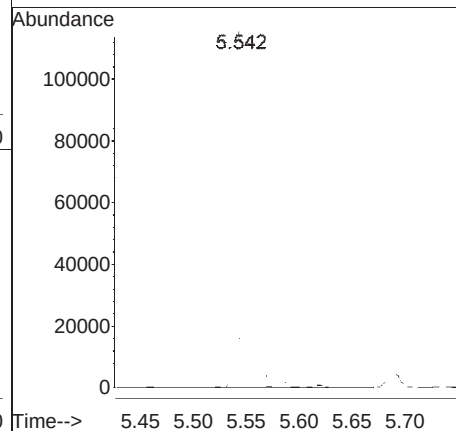
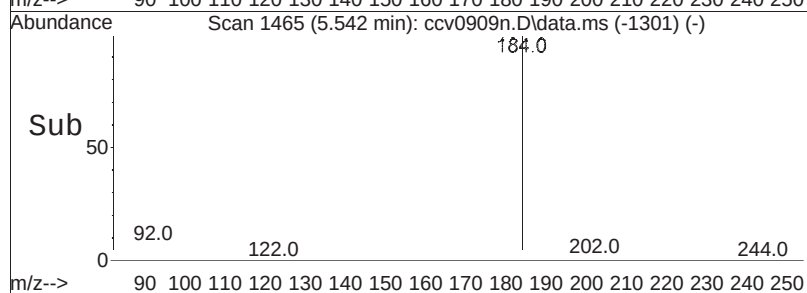
Tgt Ion:184 Resp: 97183

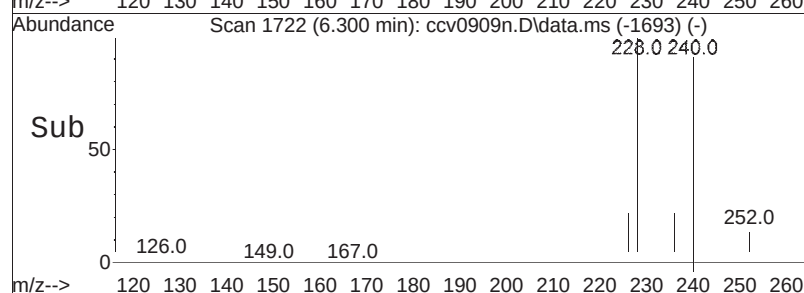
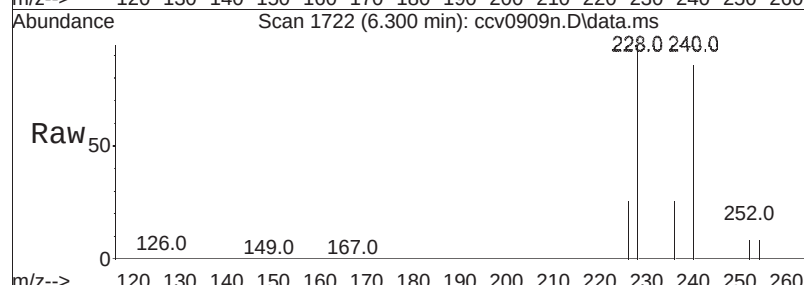
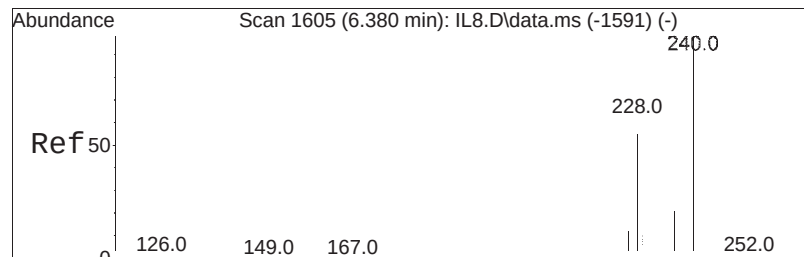
Ion Ratio Lower Upper

184 100

92 6.7 5.4 8.0

185 13.3 11.2 16.8





#34

Benzo[a]anthracene

Concen: 1011.13 ng/ml M3

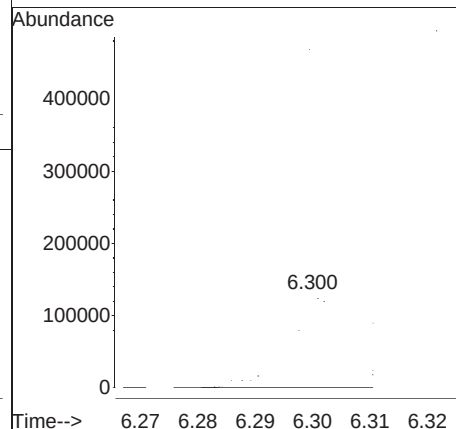
RT: 6.300 min Scan# 1722

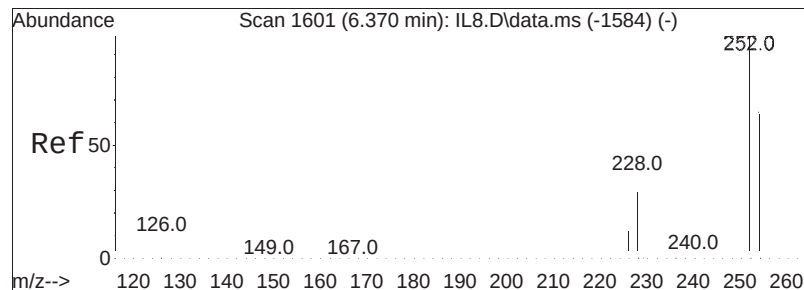
Delta R.T. 0.000 min

Lab File: ccv0909n.D

Acq: 09 Sep 2025 09:15 pm

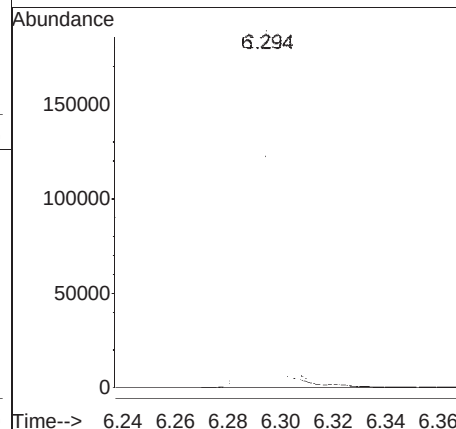
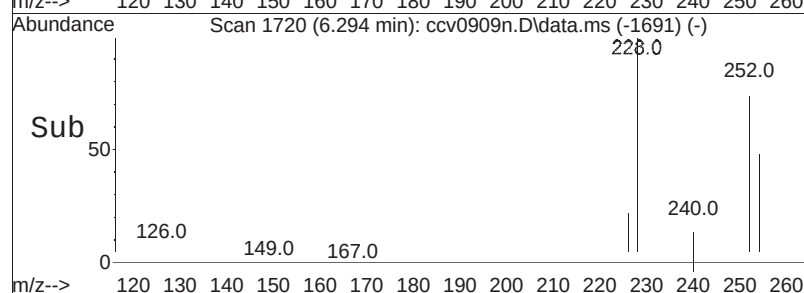
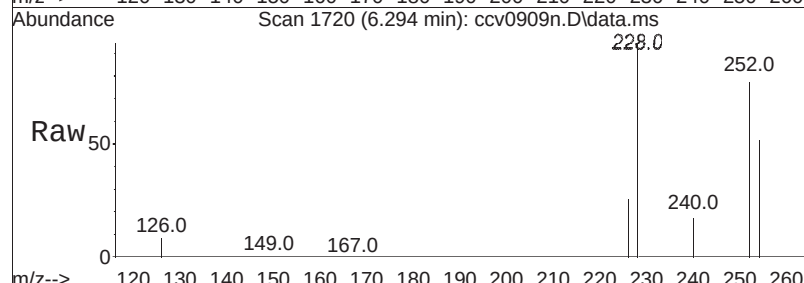
Tgt	Ion:226	Resp:	103083
Ion	Ratio	Lower	Upper
226	100		
229	70.4	56.4	84.6
228	358.8	287.5	431.3
229	70.4	56.4	84.6

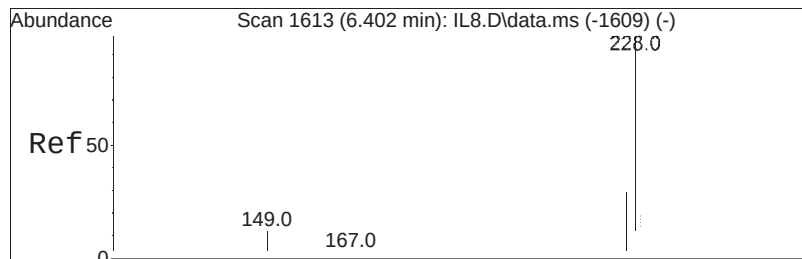




#35
 3,3'-Dichlorobenzidine
 Concen: 1008.44 ng/ml M2
 RT: 6.294 min Scan# 1720
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

Tgt Ion:	252	Resp:	137887
Ion Ratio	Lower	Upper	
252	100		
126	13.5	10.6	16.0
254	64.9	51.6	77.4





#36

Chrysene

Concen: 1012.47 ng/ml M2

RT: 6.321 min Scan# 1730

Delta R.T. 0.000 min

Lab File: ccv0909n.D

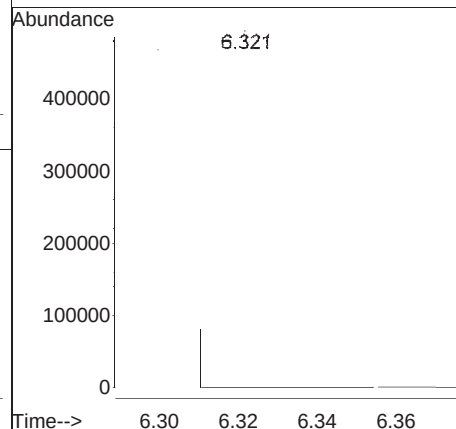
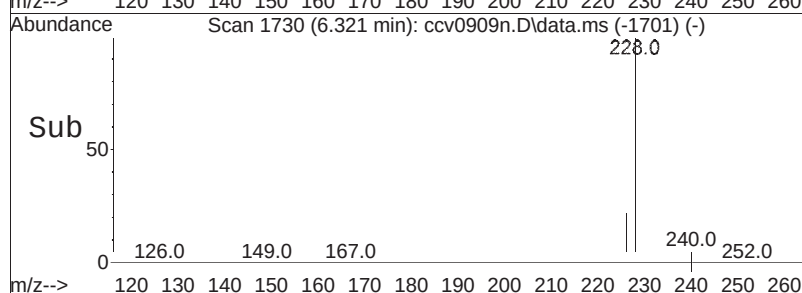
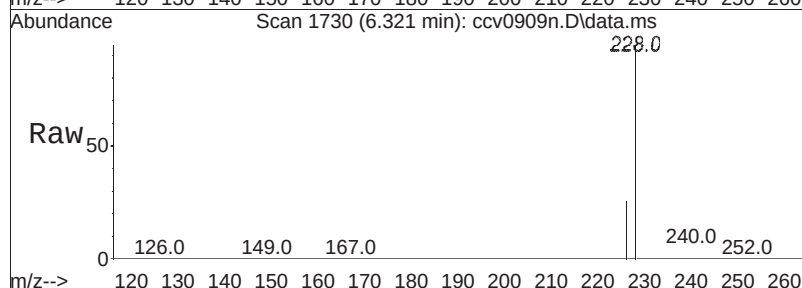
Acq: 09 Sep 2025 09:15 pm

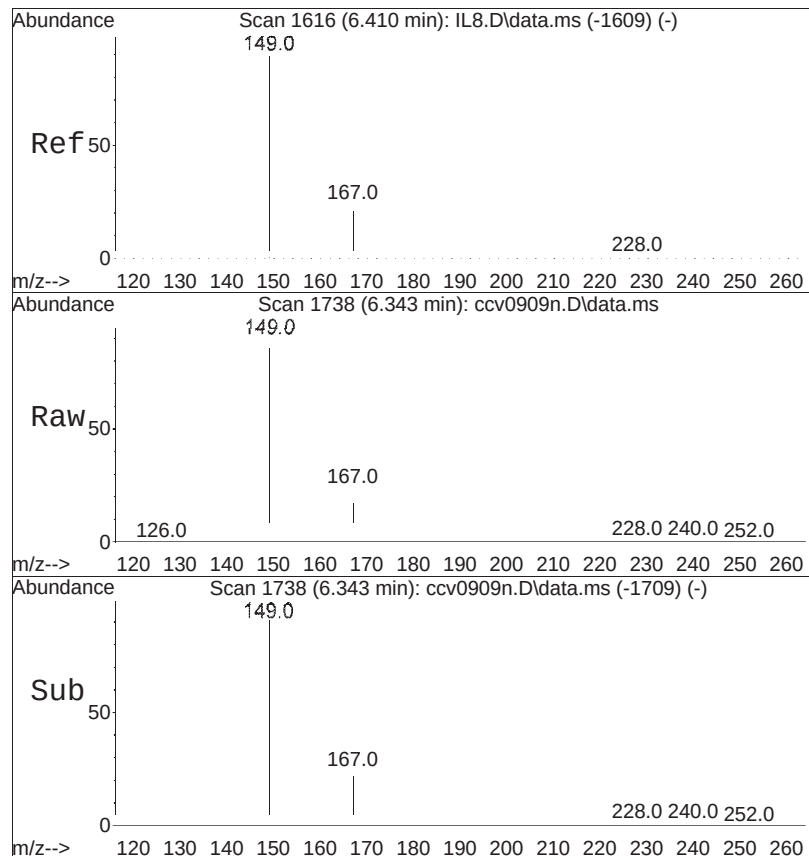
Tgt Ion: 228 Resp: 340482

Ion Ratio Lower Upper

228 100

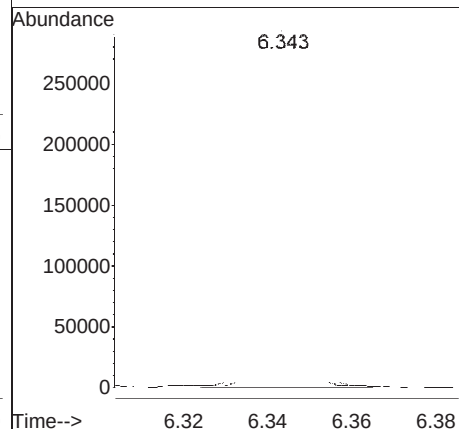
226 29.9 24.3 36.5

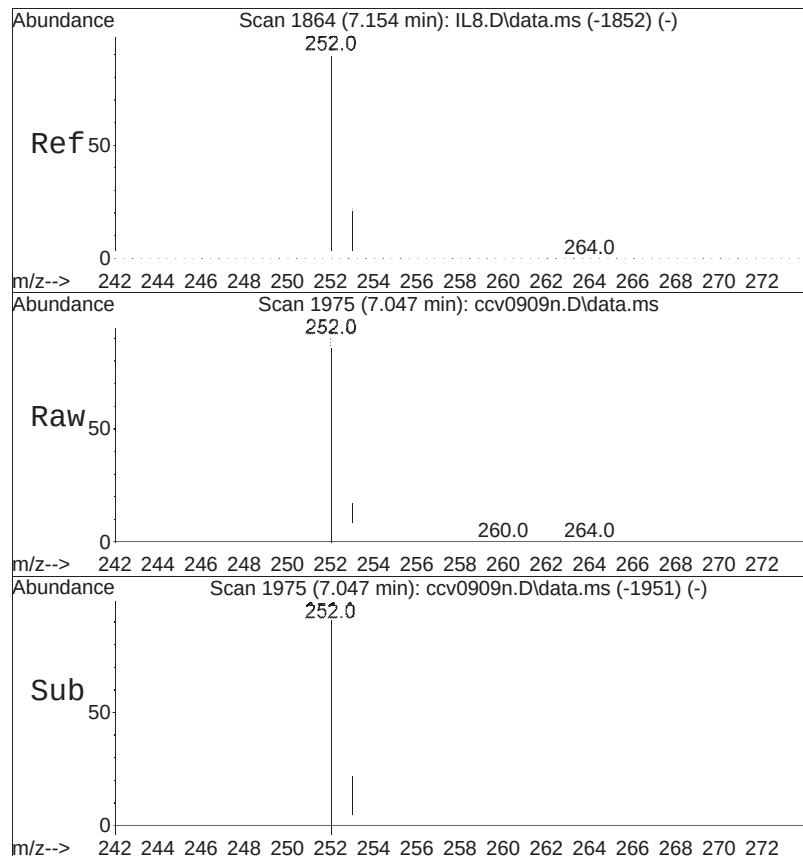




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 1061.94 ng/ml M6
 RT: 6.343 min Scan# 1738
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

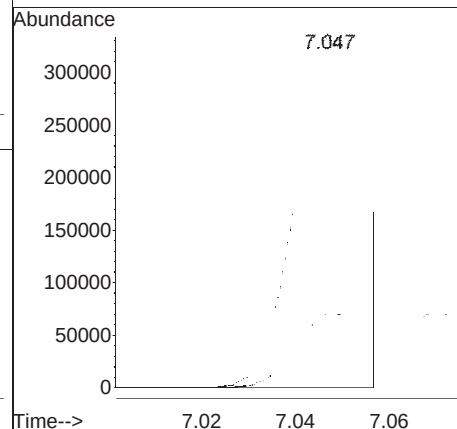
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	207998		
167	24.7	19.7	29.5	

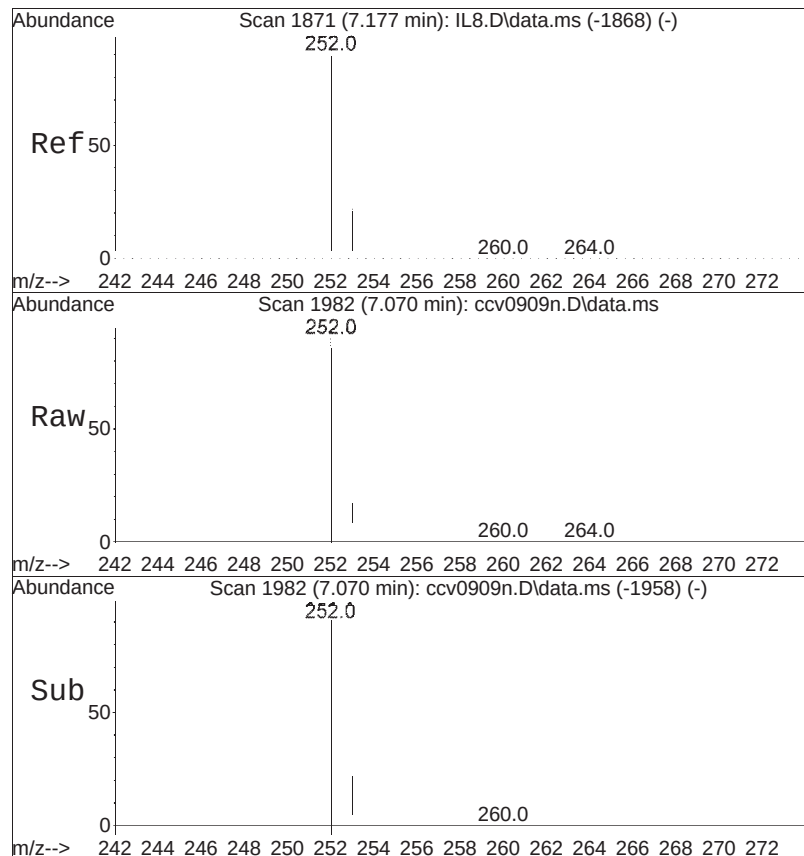




#39
 Benzo[b]fluoranthene
 Concen: 1032.11 ng/ml M3
 RT: 7.047 min Scan# 1975
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

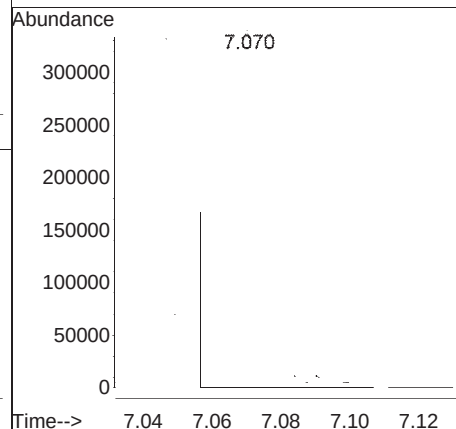
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	23.7	19.2	28.8	

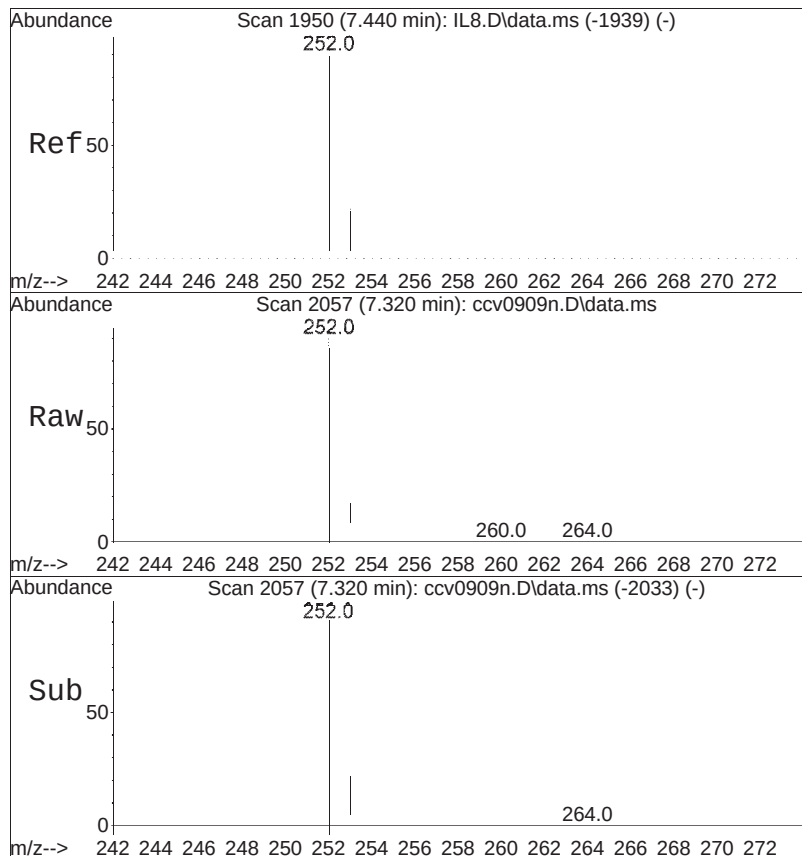




#40
 Benzo[k]fluoranthene
 Concen: 1084.43 ng/ml M2
 RT: 7.070 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

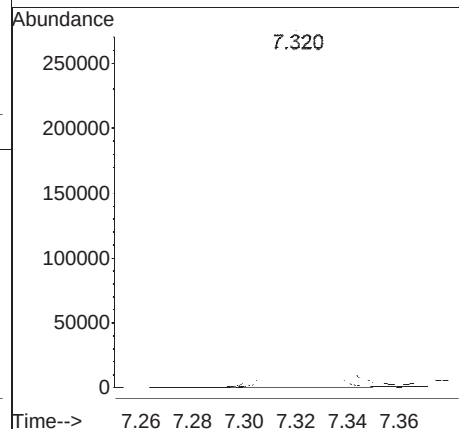
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	20.0	15.8	23.8	

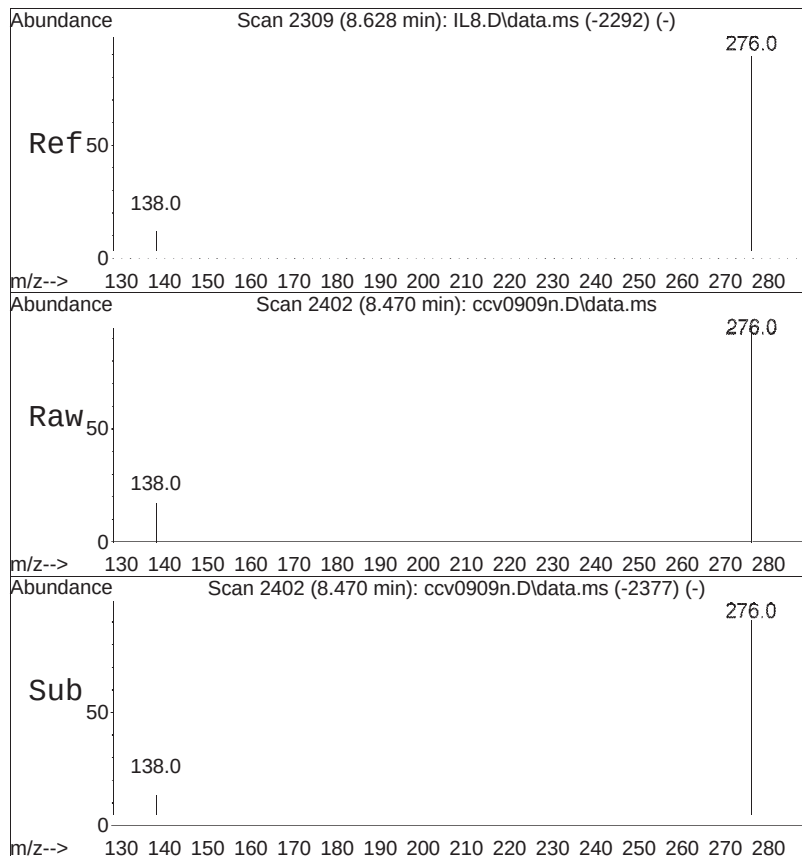




#41
 Benzo[a]pyrene
 Concen: 1095.15 ng/ml M3
 RT: 7.320 min Scan# 2057
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

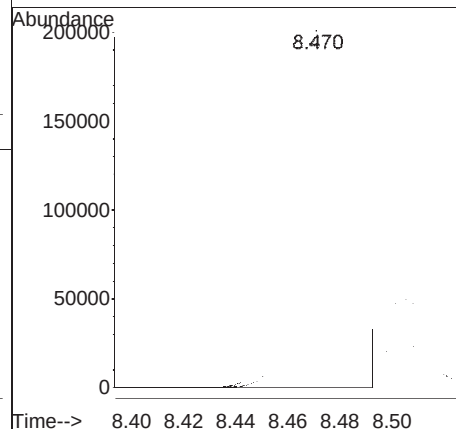
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

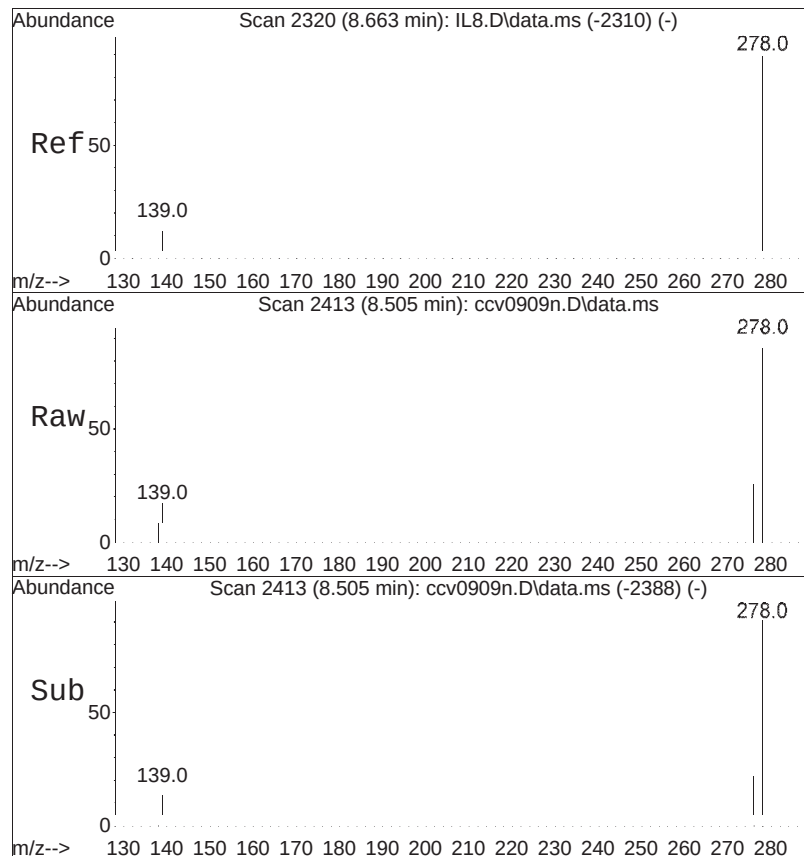




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1099.68 ng/ml M3
 RT: 8.470 min Scan# 2402
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

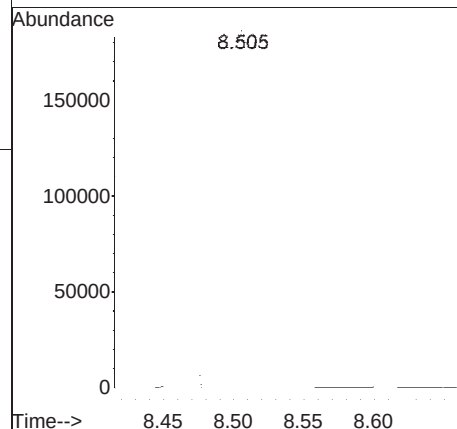
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	15.9	23.9

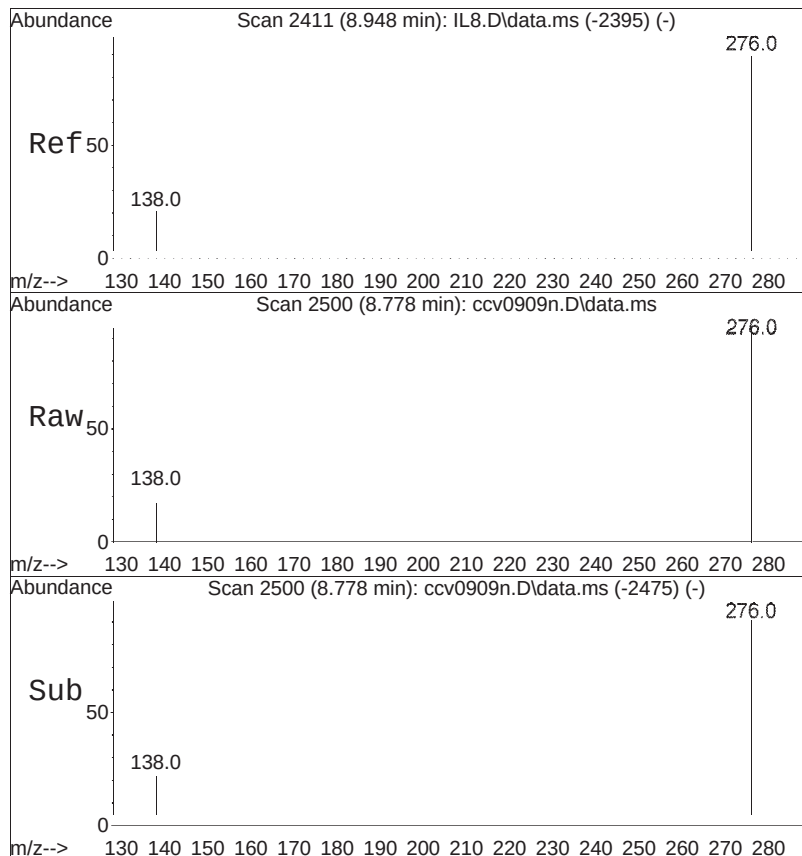




#43
 Dibenzo[a,h]anthracene
 Concen: 1056.91 ng/ml M2
 RT: 8.505 min Scan# 2413
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

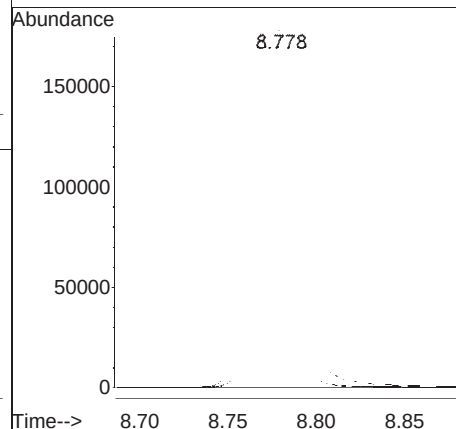
Tgt Ion:	278	Resp:	281561
Ion Ratio	Lower	Upper	
278	100		
139	17.8	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1053.73 ng/ml M2
 RT: 8.778 min Scan# 2500
 Delta R.T. 0.000 min
 Lab File: ccv0909n.D
 Acq: 09 Sep 2025 09:15 pm

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.1	27.1

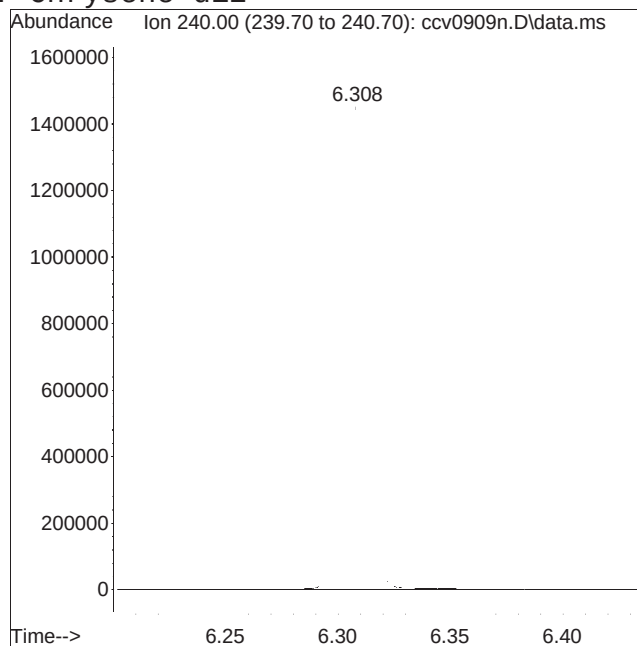
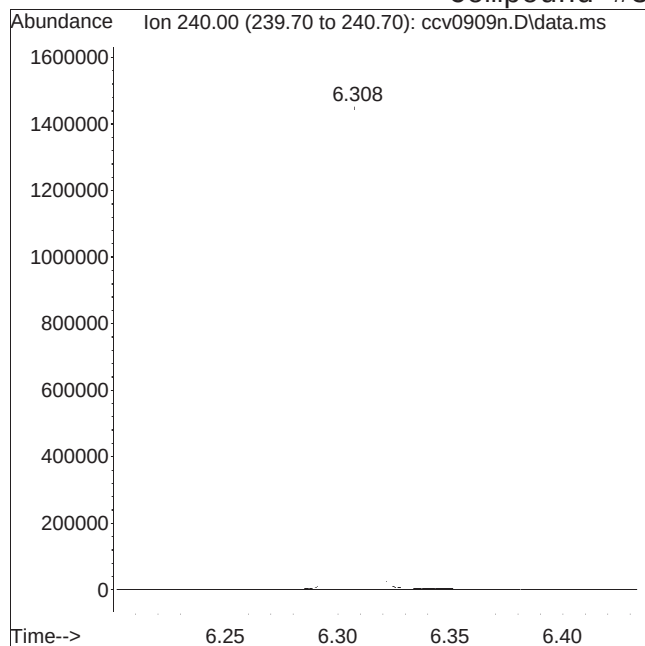


Manual Integration Report

Data Path : I:\8270SIM\SV125\250909nRV001
Data File : ccv0909n.D
Date Inj'd : 9/9/2025 9:15 pm
Sample : WG2112655-3,32,,ICV 11696

Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Quant Date

Compound #33: Chrysene-d12



Original Peak Response = 1059880

Manual Peak Response = 1059001 M2

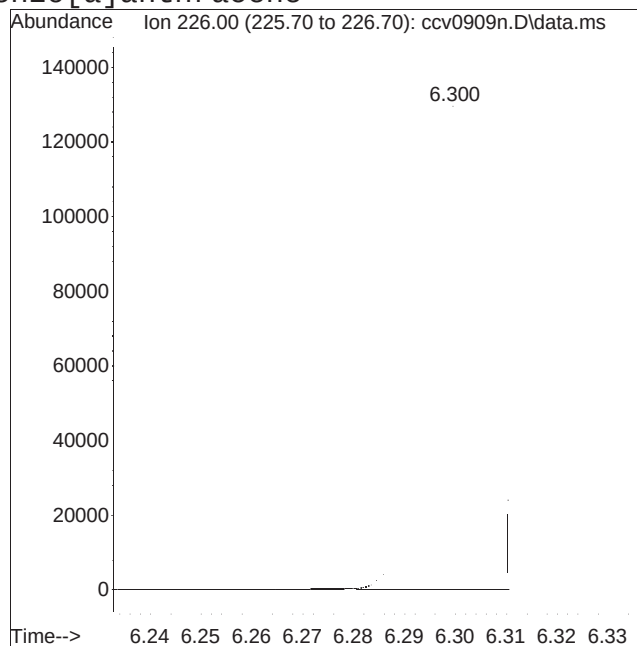
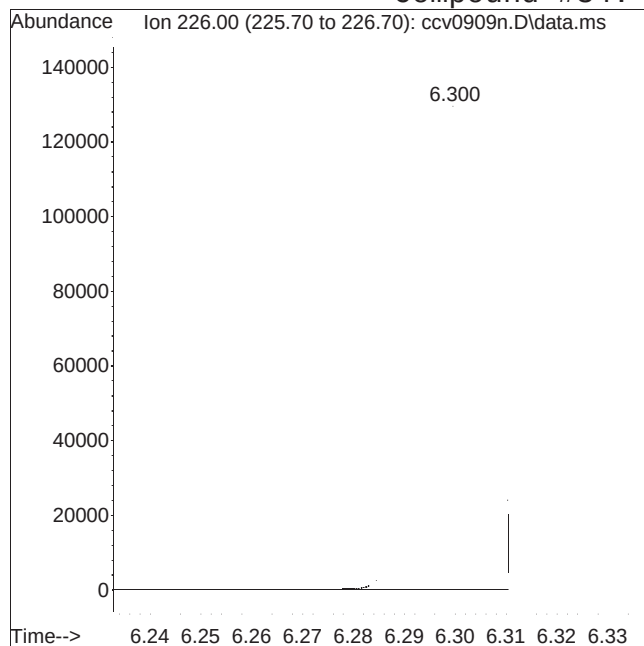
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909nRV001
Data File : ccv0909n.D
Date Inj'd : 9/9/2025 9:15 pm
Sample : WG2112655-3,32,,ICV 11696

Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Quant Date

Compound #34: Benzo[a]anthracene



Original Peak Response = 103123

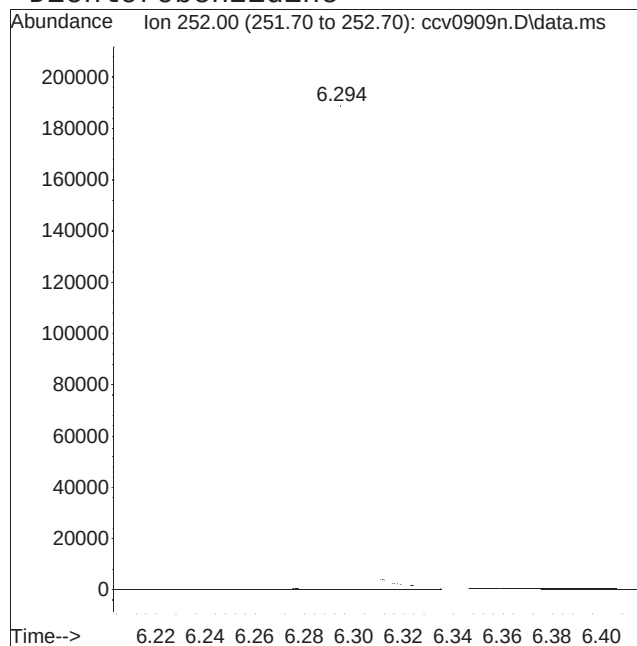
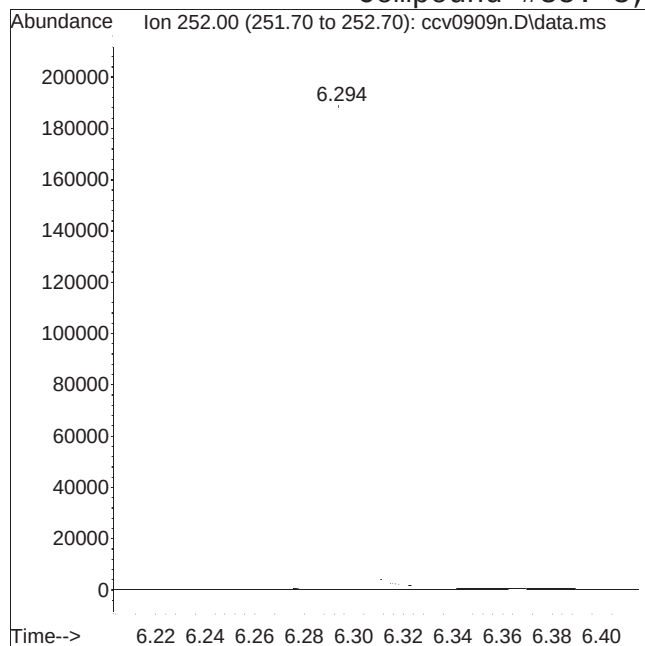
Manual Peak Response = 103083 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909nRV001
Data File : ccv0909n.D
Date Inj'd : 9/9/2025 9:15 pm
Sample : WG2112655-3,32,,ICV 11696 (000000)
Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Date : 9/9/2025 9:50 pm

Compound #35: 3,3'-Dichlorobenzidine



Original Peak Response = 138426

Manual Peak Response = 137887 M2

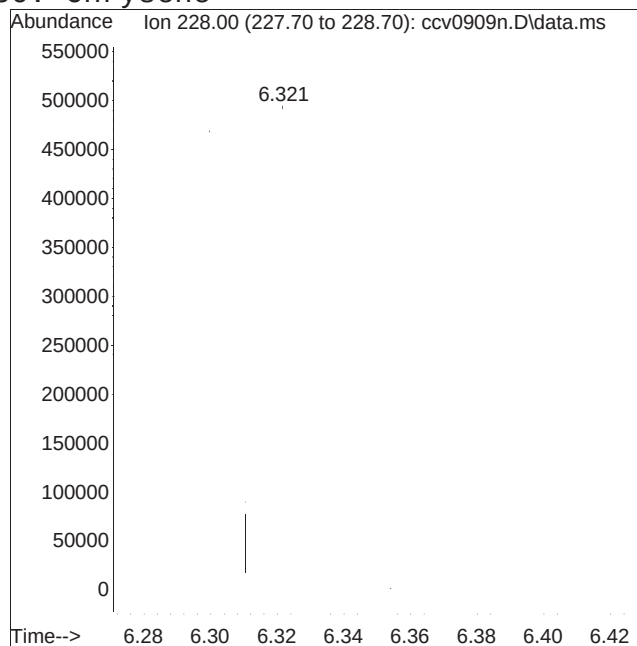
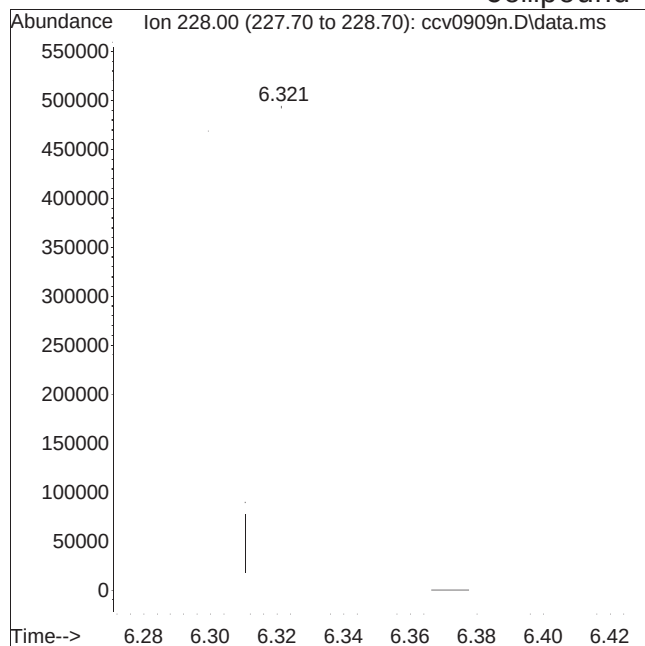
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909nRV001
Data File : ccv0909n.D
Date Inj'd : 9/9/2025 9:15 pm
Sample : WG2112655-3,32,,ICV 11696

Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Quant Date

Compound #36: Chrysene



Original Peak Response = 340432

Manual Peak Response = 340482 M2

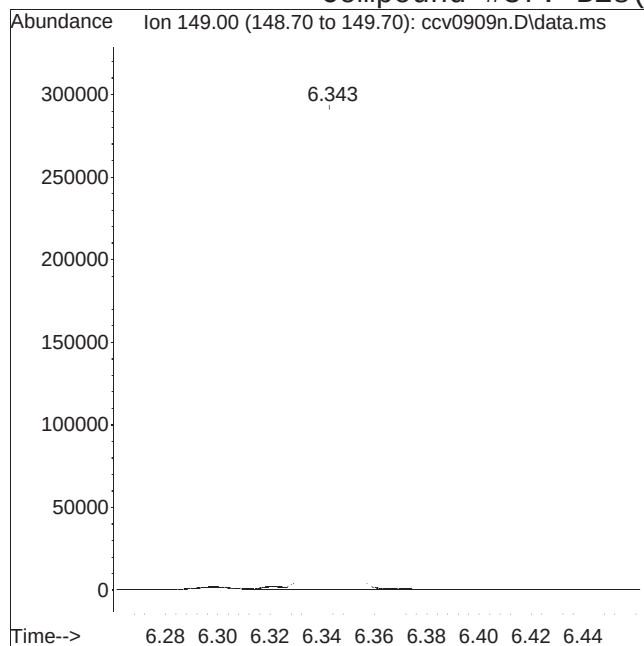
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909nRV001
Data File : ccv0909n.D
Date Inj'd : 9/9/2025 9:15 pm
Sample : WG2112655-3,32,,ICV 11696

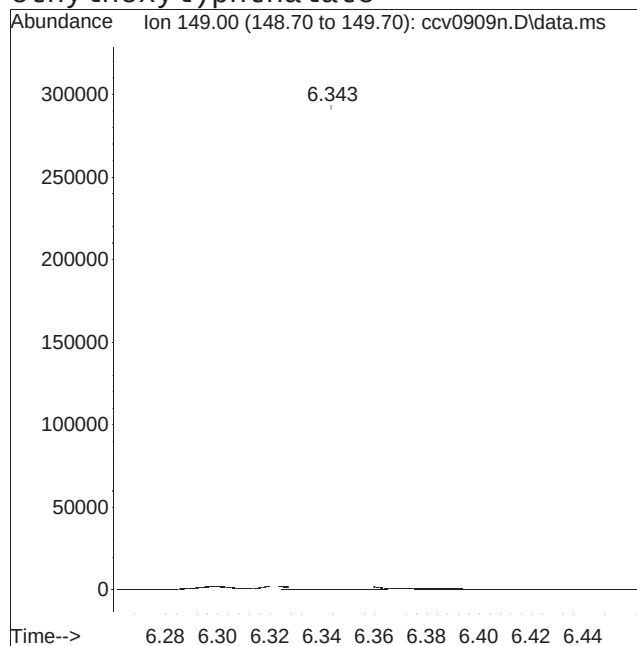
Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Quant Date

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 208976

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

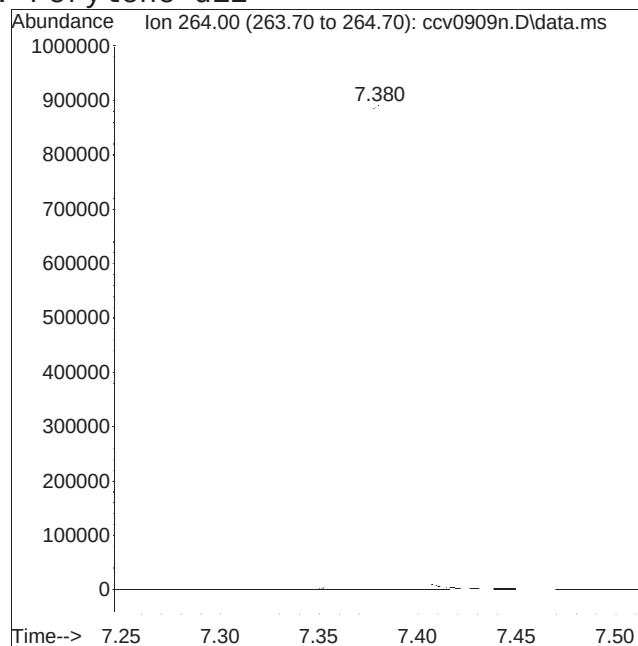
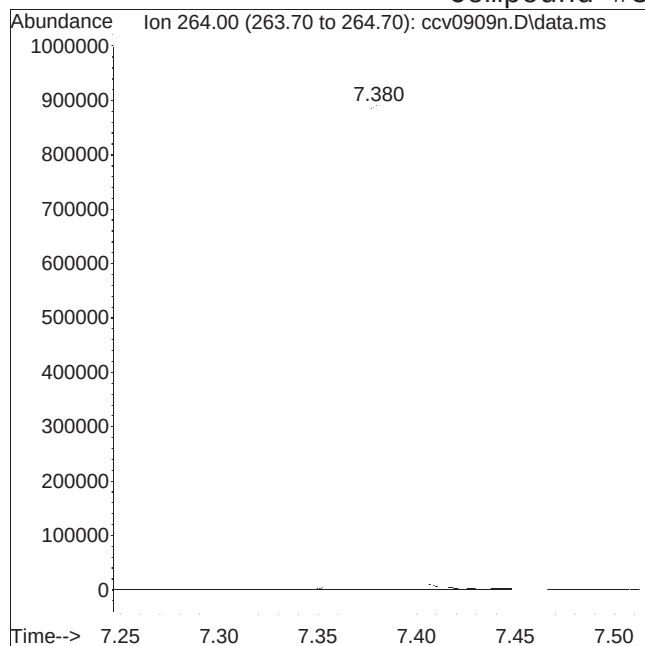


Manual Peak Response = 207998 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909nRV000000
Data File : ccv0909n.D
Date Inj'd : 9/9/2025 9:15 pm
Sample : WG2112655-3,32,,ICV 11696 (000000)
Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Date : 9/9/2025 9:50 pm

Compound #38: Perylene-d12



Original Peak Response = 1015721

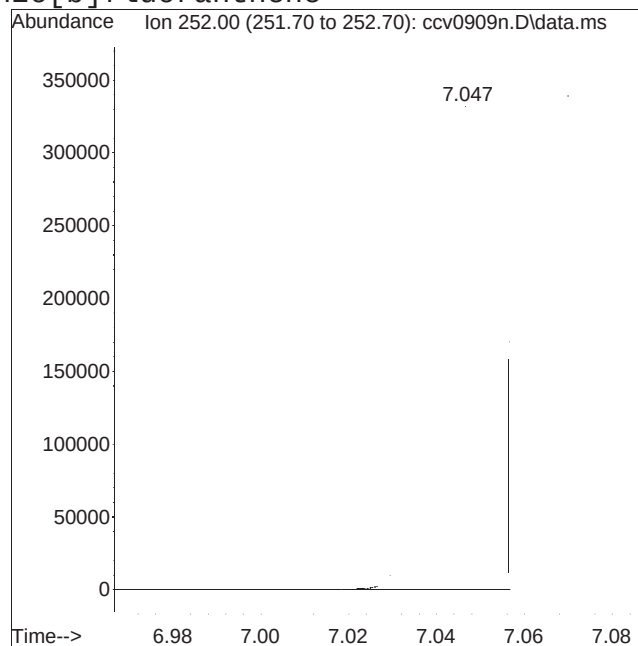
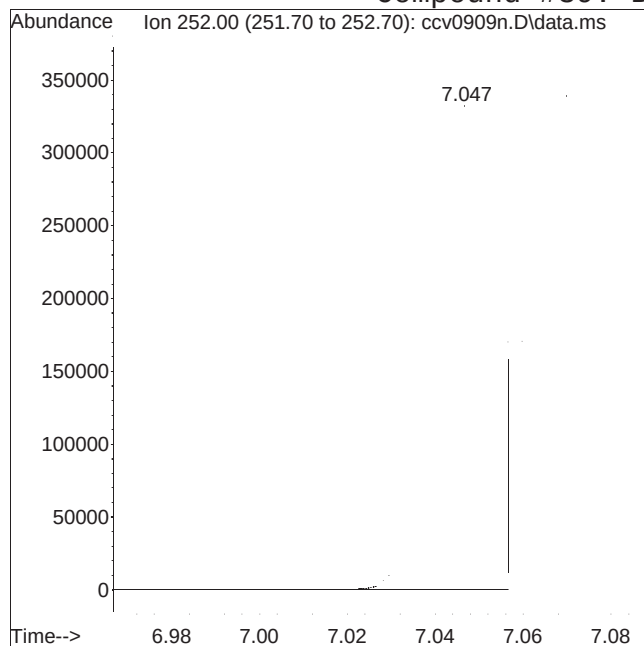
Manual Peak Response = 1011246 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path	: I:\8270SIM\SV125\250909nrv	Method	: SIM-RVT_250908_sv125.M
Data File	: ccv0909n.D	Operator	: SV125:rp
Date Inj'd	: 9/9/2025 9:15 pm	Instrument	: SV125
Sample	: WG2112655-3,32,,ICV 11696	Qdate	: 9/9/2025 9:50 pm

Compound #39: Benzo[b]fluoranthene



Original Peak Response = 329978

Manual Peak Response = 330172 M3

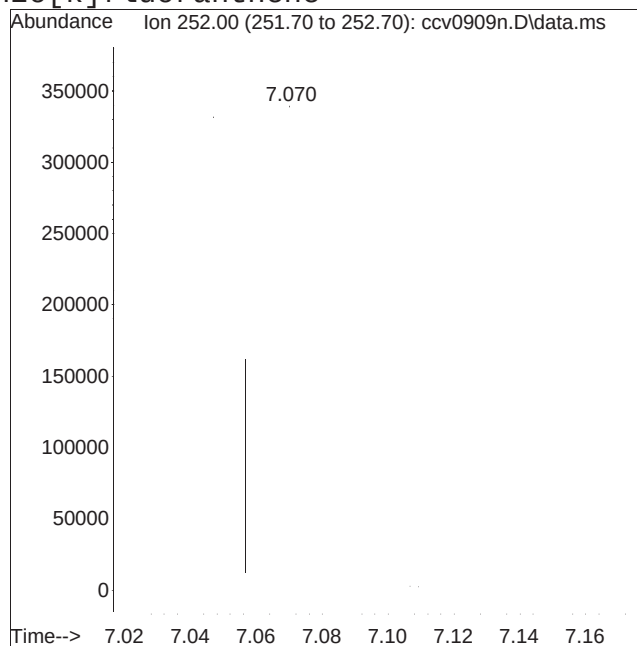
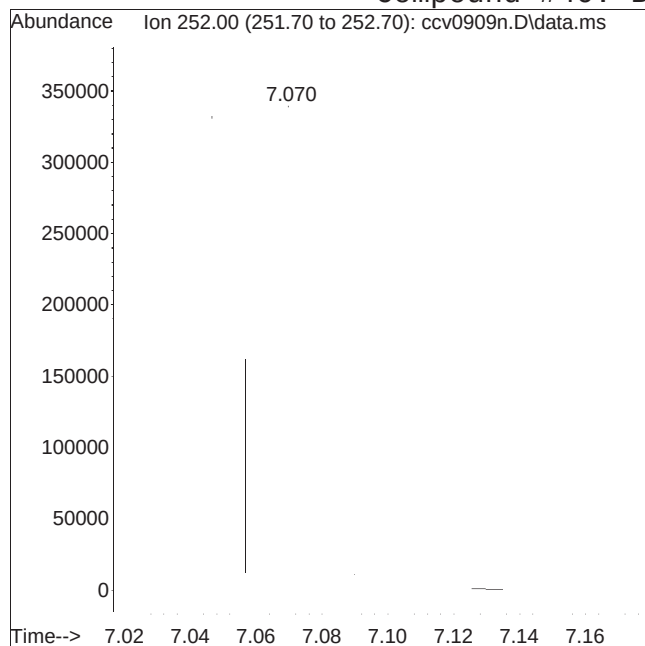
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909nRV001
Data File : ccv0909n.D
Date Inj'd : 9/9/2025 9:15 pm
Sample : WG2112655-3,32,,ICV 11696

Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Quant Date

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 351050

Manual Peak Response = 351531 M2

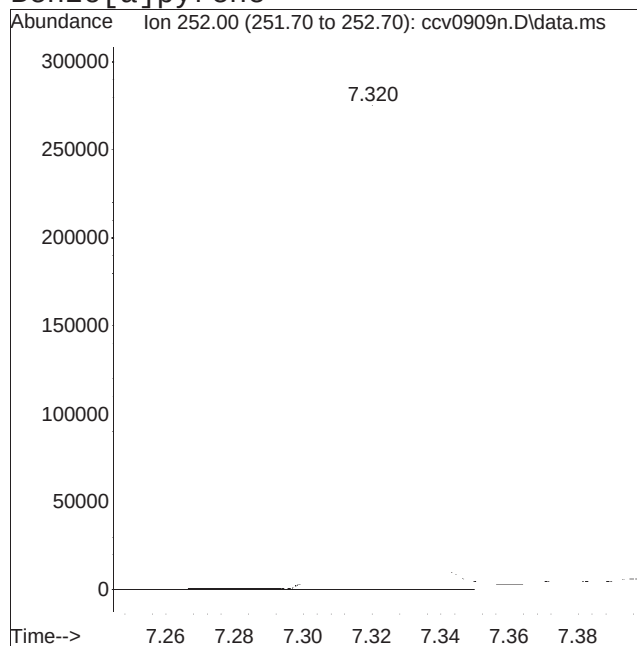
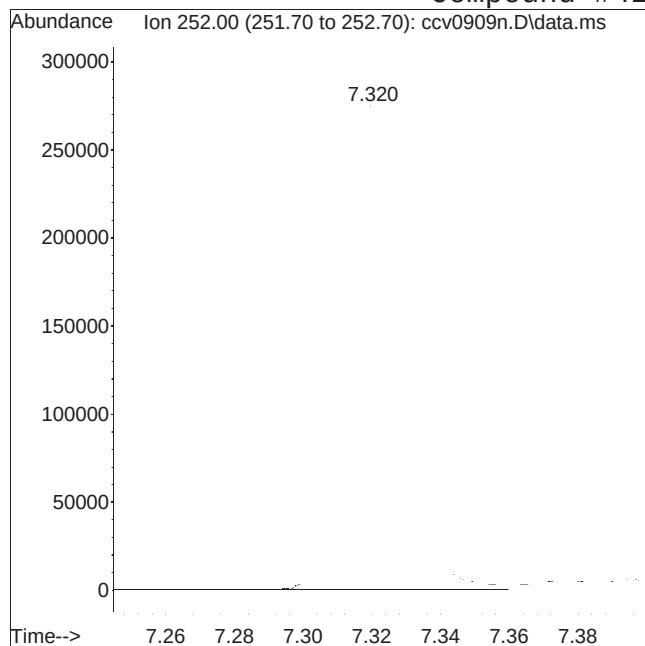
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909nRV001
Data File : ccv0909n.D
Date Inj'd : 9/9/2025 9:15 pm
Sample : WG2112655-3,32,,ICV 11696

Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Quant Date

Compound #41: Benzo[a]pyrene



Original Peak Response = 310105

Manual Peak Response = 309686 M3

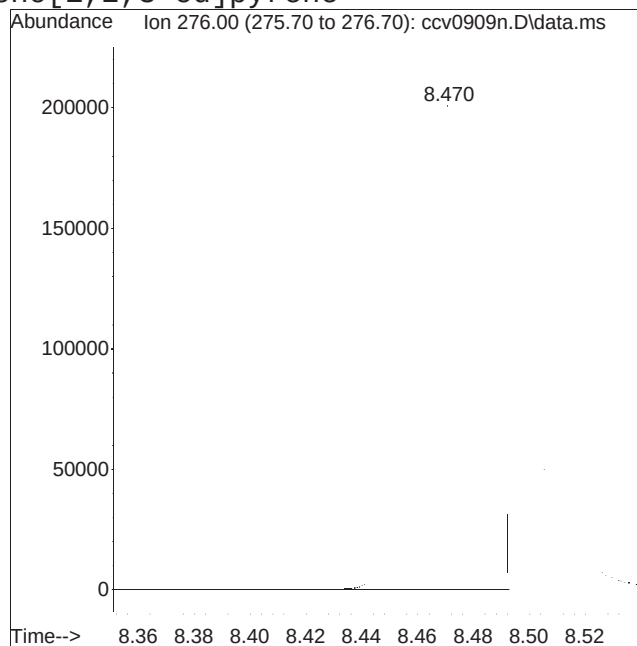
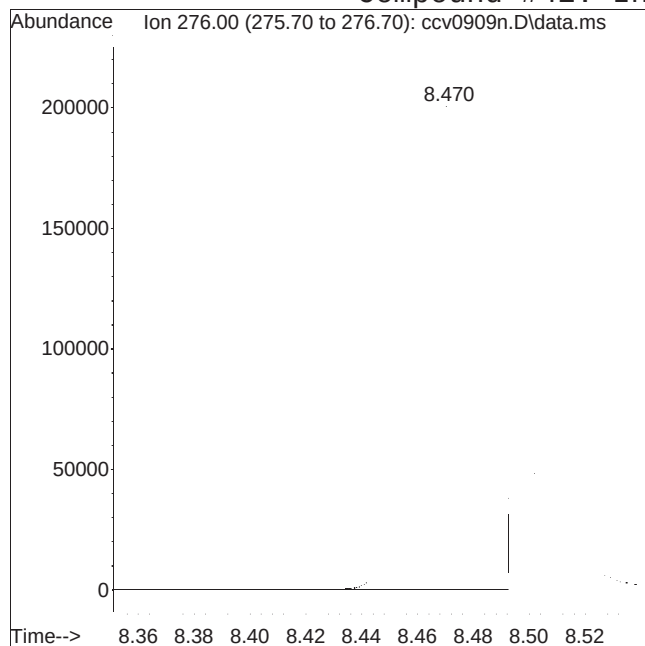
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909nRV001
Data File : ccv0909n.D
Date Inj'd : 9/9/2025 9:15 pm
Sample : WG2112655-3,32,,ICV 11696

Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Quant Date

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 295256

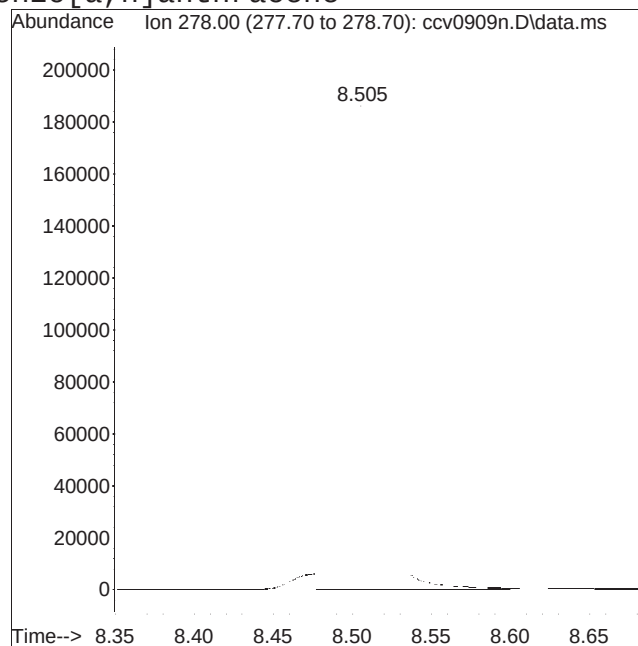
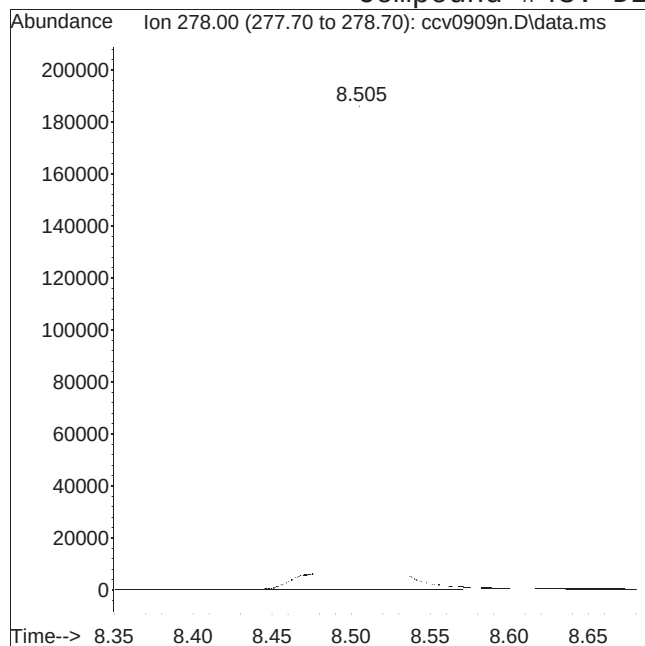
Manual Peak Response = 295468 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path	: I:\8270SIM\SV125\250909nrv	Method	: SIM-RVT_250908_sv125.M
Data File	: ccv0909n.D	Operator	: SV125:rp
Date Inj'd	: 9/9/2025 9:15 pm	Instrument	: SV125
Sample	: WG2112655-3,32,,ICV 11696	Qdate	: 9/9/2025 9:50 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 286571

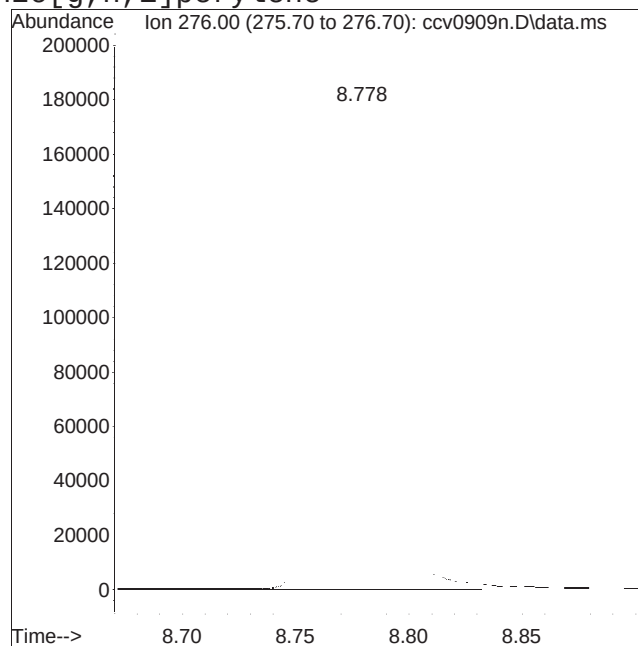
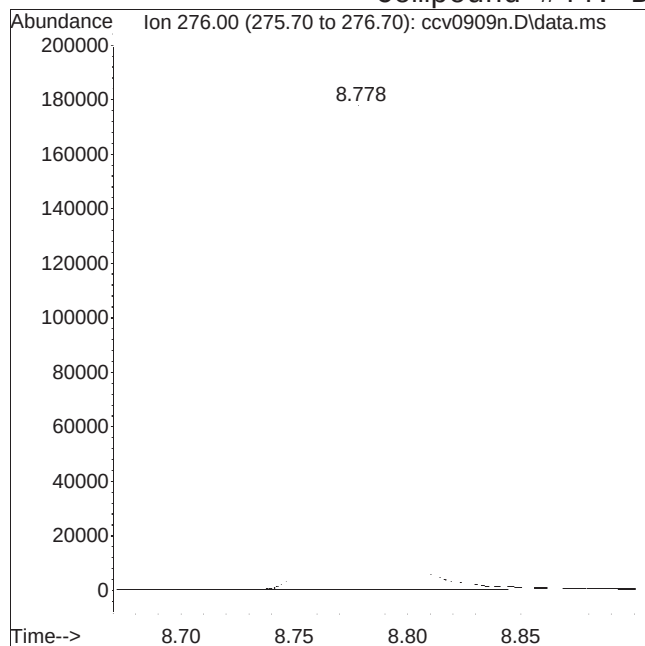
Manual Peak Response = 281561 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path	: I:\8270SIM\SV125\250909nrv	Method	: SIM-RVT_250908_sv125.M
Data File	: ccv0909n.D	Operator	: SV125:rp
Date Inj'd	: 9/9/2025 9:15 pm	Instrument	: SV125
Sample	: WG2112655-3,32,,ICV 11696	Qdate	: 9/9/2025 9:50 pm

Compound #44: Benzo[g,h,i]perylene



Time	8.76	8.75	8.66	8.65
Original Peak Response =	291511			

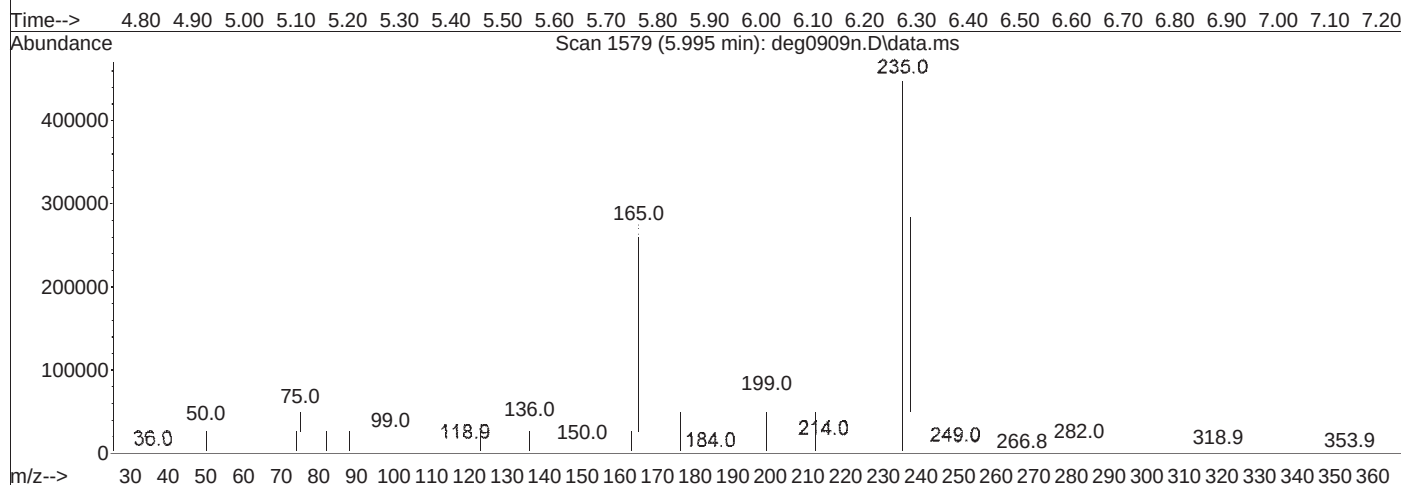
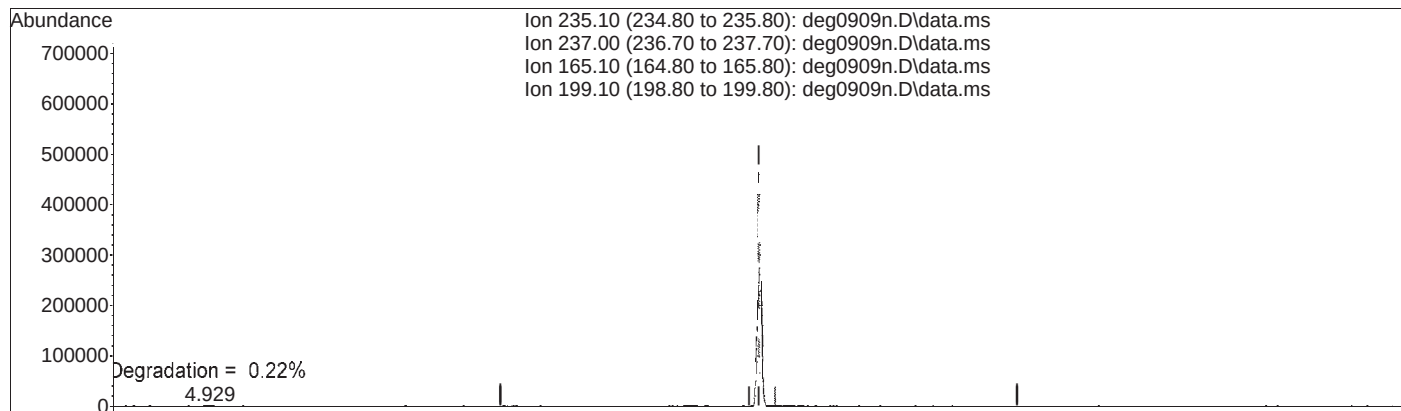
Manual Peak Response = 291869 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : deg0909n.D
 Acq On : 09 Sep 2025 08:58 pm
 Operator : SV125:rp
 Sample : WG2112655-2,32,,SV125 lot#11857
 Misc : WG2112655,,ical22616
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 12:17:09 2025
 Quant Method : I:\8270SIM\SV125\250909nRVT\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 12:17:52 2025
 Response via : Continuing Cal File:



(6) ddt (T)

5.995min (-0.000) 40.62

response 247598

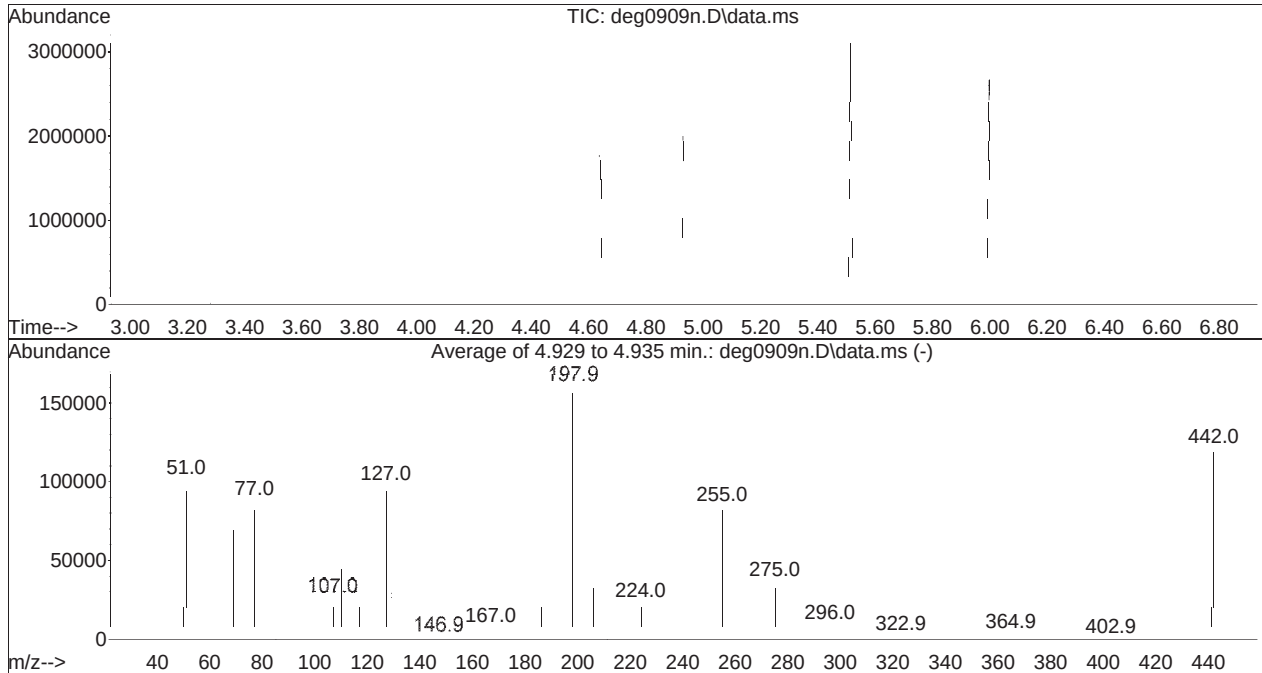
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.23
165.10	53.30	55.62
199.10	17.10	15.24

DFTPP

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : deg0909n.D
 Acq On : 09 Sep 2025 08:58 pm
 Operator : SV125:rp
 Sample : WG2112655-1,32,,SV125 lot#11857
 Misc : WG2112655,,ical22616
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 09 21:50:13 2025



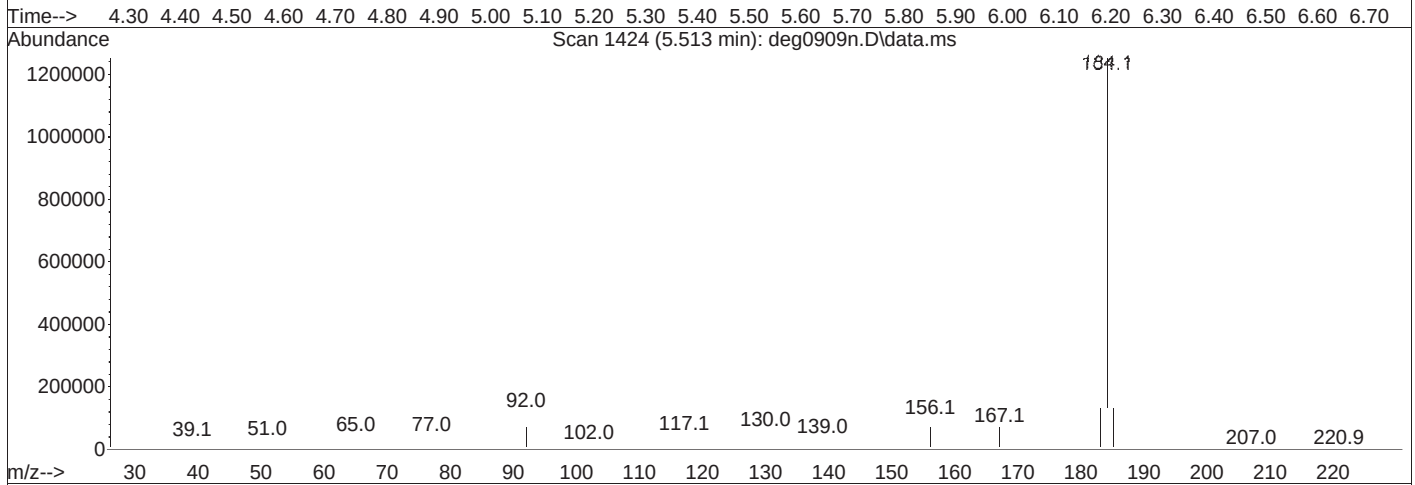
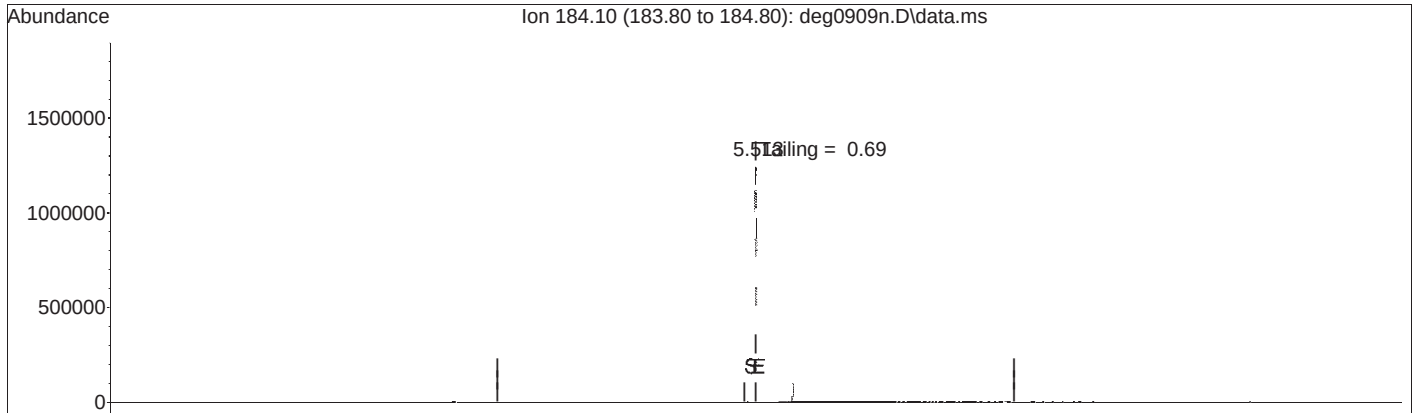
Spectrum Information: Average of 4.929 to 4.935 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	60.9	101775	PASS
68	69	0.00	2	2.0	1568	PASS
69	69	100	100	100.0	78771	PASS
70	69	0.00	2	0.4	314	PASS
127	198	10	80	58.4	97741	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	167232	PASS
199	198	5	9	6.6	11083	PASS
275	198	10	60	22.4	37389	PASS
365	198	1	100	2.4	4096	PASS
441	442	0.01	24	18.6	22561	PASS
442	198	50	100	72.7	121515	PASS
443	442	15	24	20.2	24574	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : deg0909n.D
 Acq On : 09 Sep 2025 08:58 pm
 Operator : SV125:rp
 Sample : WG2112655-4,32,,SV125 lot#11857
 Misc : WG2112655,,ical22616
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 12:17:09 2025
 Quant Method : I:\8270SIM\SV125\250909nRVT\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 12:17:52 2025
 Response via : Continuing Cal File:



CHROMtools [WG2112655-4,32,,SV125 lot#11857]

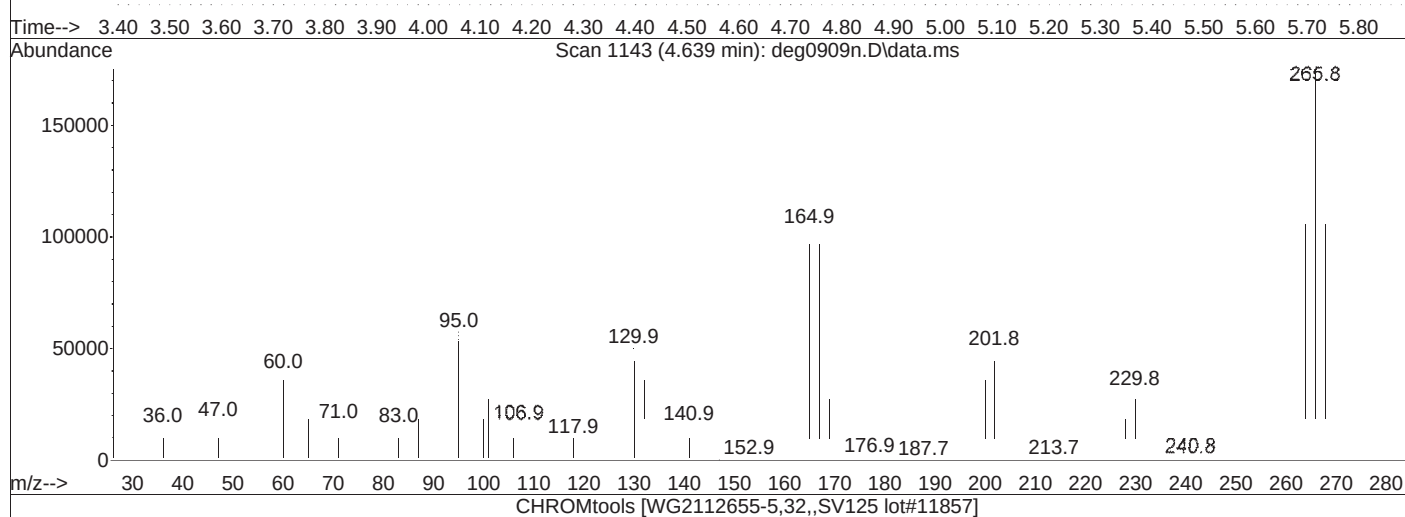
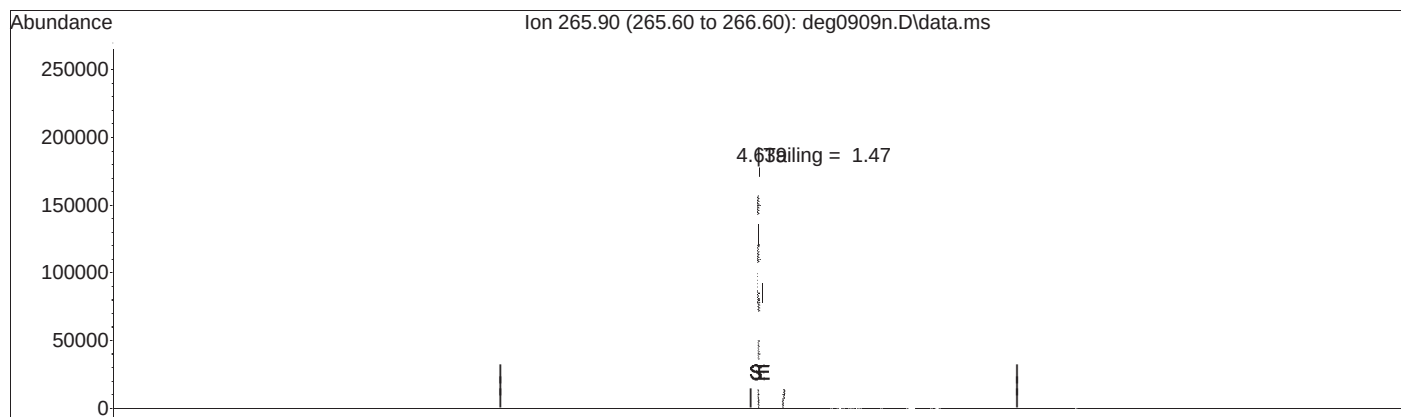
(3) benzdine (T)
 5.513min (-0.000) 63.52
 response 646659

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : deg0909n.D
 Acq On : 09 Sep 2025 08:58 pm
 Operator : SV125:rp
 Sample : WG2112655-5,32,,SV125 lot#11857
 Misc : WG2112655,,ical22616
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 12:17:09 2025
 Quant Method : I:\8270SIM\SV125\250909nRVT\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 12:17:52 2025
 Response via : Continuing Cal File:



CHROMtools [WG2112655-5,32,,SV125 lot#11857]

(1) pentachlorophenol (T)

4.639min (+ 0.000) 43.59

response 91556

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 111387-1.D
 Acq On : 09 Sep 2025 06:42 pm
 Operator : SV125:rp
 Sample : WG2111387-1,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 10 12:31:29 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909RVT\ccv0909a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	251824	4000.000	ng/ml	0.01
Standard Area 1 = 260656			Recovery = 96.61%			
9) Naphthalene-d8	2.970	136	991811	4000.000	ng/ml	0.00
Standard Area 1 = 1017753			Recovery = 97.45%			
18) Acenaphthene-d10	3.938	164	572430	4000.000	ng/ml	0.00
Standard Area 1 = 571416			Recovery = 100.18%			
23) Phenanthrene-d10	4.773	188	1118707	4000.000	ng/ml	0.00
Standard Area 1 = 1115101			Recovery = 100.32%			
33) Chrysene-d12	6.313	240	978085M1	4000.000	ng/ml	-0.07
Standard Area 1 = 952809			Recovery = 102.65%			
38) Perylene-d12	7.386	264	899545	4000.000	ng/ml	-0.08
Standard Area 1 = 923411			Recovery = 97.42%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	71422	1148.544	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 57.43%			
4) Phenol-d6	2.139	99	64053	833.756	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 41.69%			
8) Nitrobenzene-d5	2.593	82	50890	829.531	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.95%			
14) 2-Fluorobiphenyl	3.569	172	143728	710.092	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.01%			
22) 2,4,6-Tribromophenol	4.381	330	36921	1734.845	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 86.74%			
32) 4-Terphenyl-d14	5.692	244	183693	819.345	ng/ml	-0.03
Spiked Amount 1000.000	Range 30 - 130		Recovery = 81.93%			
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 111387-1.D
 Acq On : 09 Sep 2025 06:42 pm
 Operator : SV125:rp
 Sample : WG2111387-1,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 10 12:31:29 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909RVT\ccv0909a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

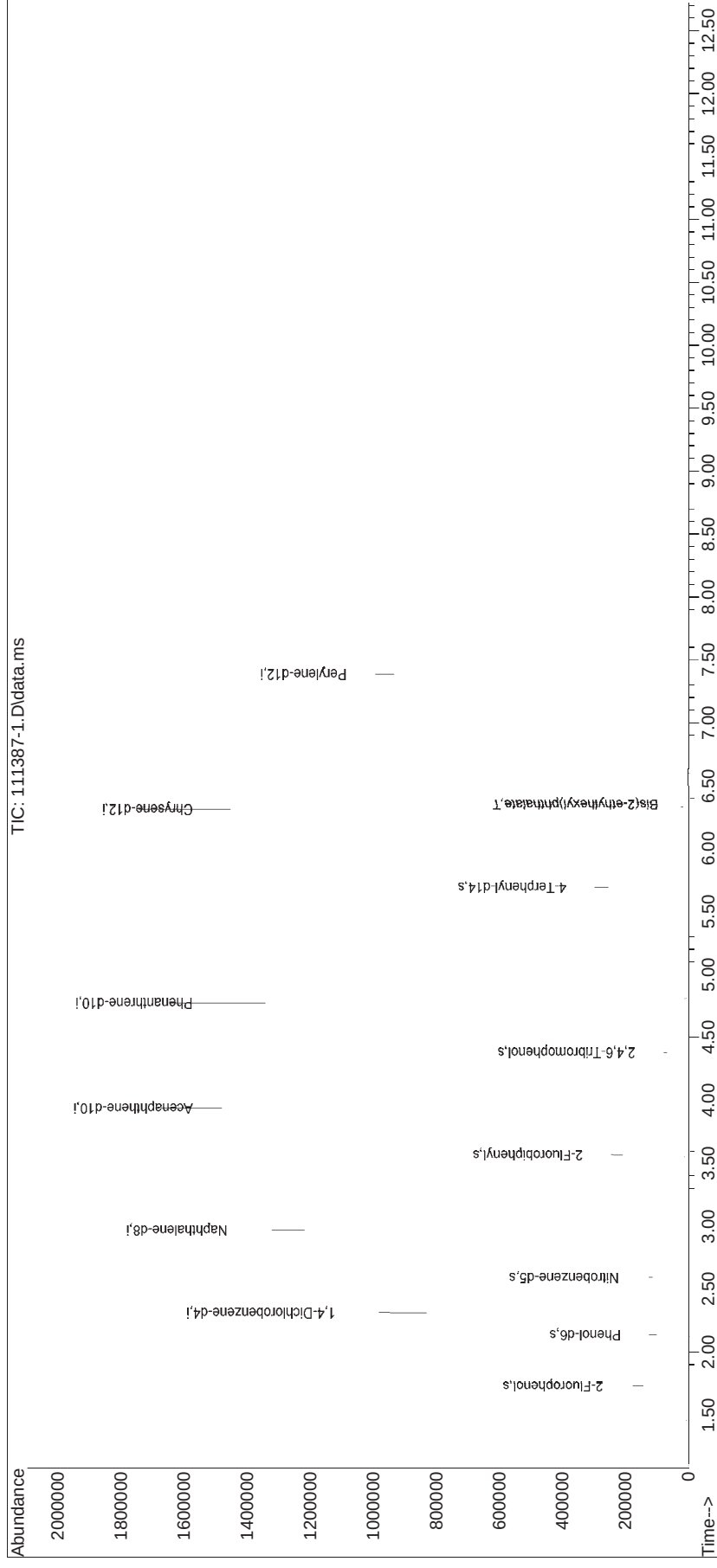
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 111387-1.D
 Acq On : 09 Sep 2025 06:42 pm
 Operator : SV125:rp
 Sample : WG2111387-1,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 10 12:31:29 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

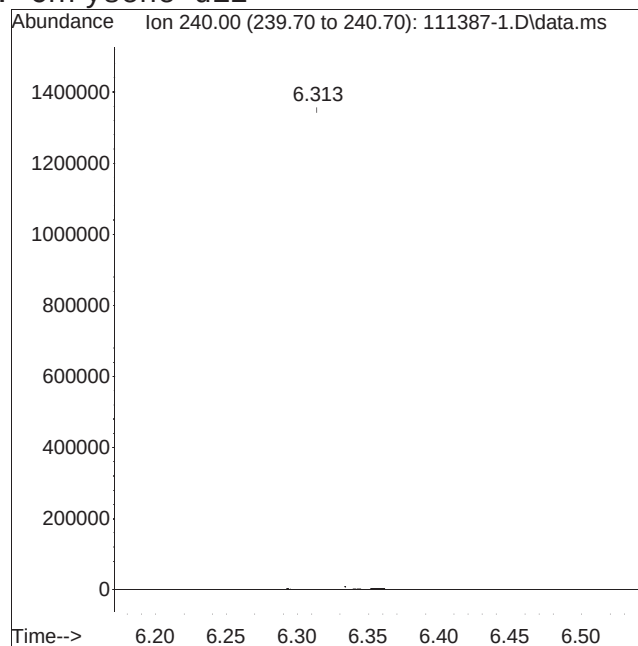
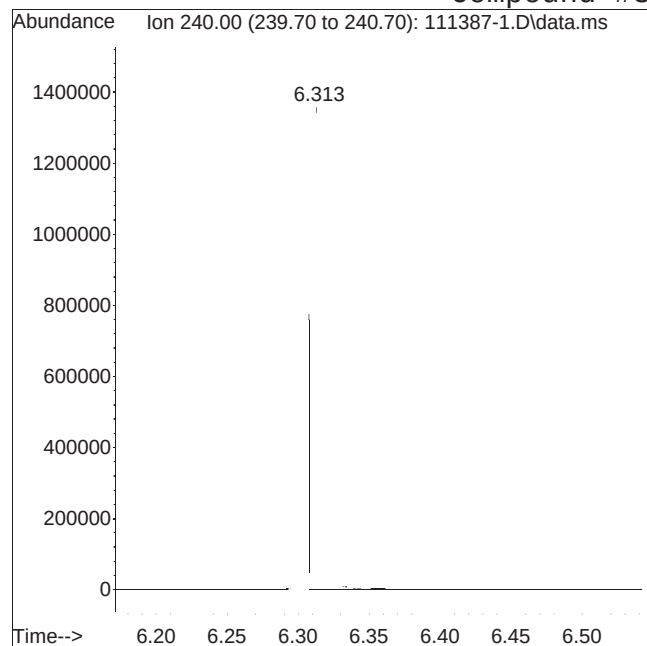
Sub List : DEFAULT - All compounds listed\ccv0909a.D•



Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 111387-1.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:42 pm Instrument : SV125
Sample : WG2111387-1,32,,dv Quant Date : 9/9/2025 6:59 pm

Compound #33: Chrysene-d12



Original Peak Response = 756479

Manual Peak Response = 978085 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 111387-2.D
 Acq On : 09 Sep 2025 06:09 pm
 Operator : SV125:rp
 Sample : WG2111387-2,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 10 12:38:12 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909RVT\ccv0909a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	260537	4000.000	ng/ml	0.02
Standard Area 1 = 260656			Recovery	=	99.95%	
9) Naphthalene-d8	2.970	136	1018780	4000.000	ng/ml	0.00
Standard Area 1 = 1017753			Recovery	=	100.10%	
18) Acenaphthene-d10	3.939	164	585459	4000.000	ng/ml	0.00
Standard Area 1 = 571416			Recovery	=	102.46%	
23) Phenanthrene-d10	4.773	188	1126891	4000.000	ng/ml	0.00
Standard Area 1 = 1115101			Recovery	=	101.06%	
33) Chrysene-d12	6.310	240	945767M2	4000.000	ng/ml	-0.07
Standard Area 1 = 952809			Recovery	=	99.26%	
38) Perylene-d12	7.382	264	909099M6	4000.000	ng/ml	-0.08
Standard Area 1 = 923411			Recovery	=	98.45%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	87111	1353.993	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	67.70%	
4) Phenol-d6	2.139	99	79686	1002.557	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	50.13%	
8) Nitrobenzene-d5	2.593	82	57902	912.266	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	91.23%	
14) 2-Fluorobiphenyl	3.569	172	159487	767.091	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	76.71%	
22) 2,4,6-Tribromophenol	4.382	330	46908	2155.063	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	107.75%	
32) 4-Terphenyl-d14	5.690	244	197504	874.550	ng/ml	-0.03
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	87.45%	
Target Compounds						
5) Bis(2-chloroethyl)ether	2.186	93	111955	1562.228	ng/ml	98
7) Hexachloroethane	2.571	117	39893	1220.349	ng/ml	100
10) Naphthalene	2.983	128	376964	1399.282	ng/ml	99
11) Hexachlorobutadiene	3.057	225	54992	1232.119	ng/ml	100
12) 2-Methylnaphthalene	3.362	142	242458	1542.052	ng/ml	99
15) 2-Chloronaphthalene	3.630	162	267470	1515.754	ng/ml	93
17) Acenaphthylene	3.859	152	471397	1689.678	ng/ml	100
19) Acenaphthene	3.957	153	292580	1563.160	ng/ml	96
21) Fluorene	4.248	166	349520	1667.585	ng/ml	100
25) Hexachlorobenzene	4.560	284	104381	1706.059	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 111387-2.D
 Acq On : 09 Sep 2025 06:09 pm
 Operator : SV125:rp
 Sample : WG2111387-2,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 10 12:38:12 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909RVT\ccv0909a.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	4.672	266	67368	2626.401	ng/ml	99
27)	Phenanthrene	4.785	178	536142	1665.684	ng/ml	100
28)	Anthracene	4.814	178	535111	1742.680	ng/ml	100
29)	Fluoranthene	5.462	202	636345	1828.106	ng/ml	100
30)	Pyrene	5.589	202	642665	1798.820	ng/ml	100
34)	Benzo[a]anthracene	6.302	226	170476M4	1874.110	ng/ml	
36)	Chrysene	6.324	228	547696M4	1823.639	ng/ml	
39)	Benzo[b]fluoranthene	7.053	252	568147M3	1975.564	ng/ml	
40)	Benzo[k]fluoranthene	7.076	252	544561M2	1868.652	ng/ml	
41)	Benzo[a]pyrene	7.326	252	495258M3	1948.178	ng/ml	
42)	Indeno[1,2,3-cd]pyrene	8.476	276	486328M3	2013.404	ng/ml	
43)	Dibenzo[a,h]anthracene	8.514	278	451331M2	1884.548	ng/ml	
44)	Benzo[g,h,i]perylene	8.784	276	466121M2	1871.918	ng/ml	

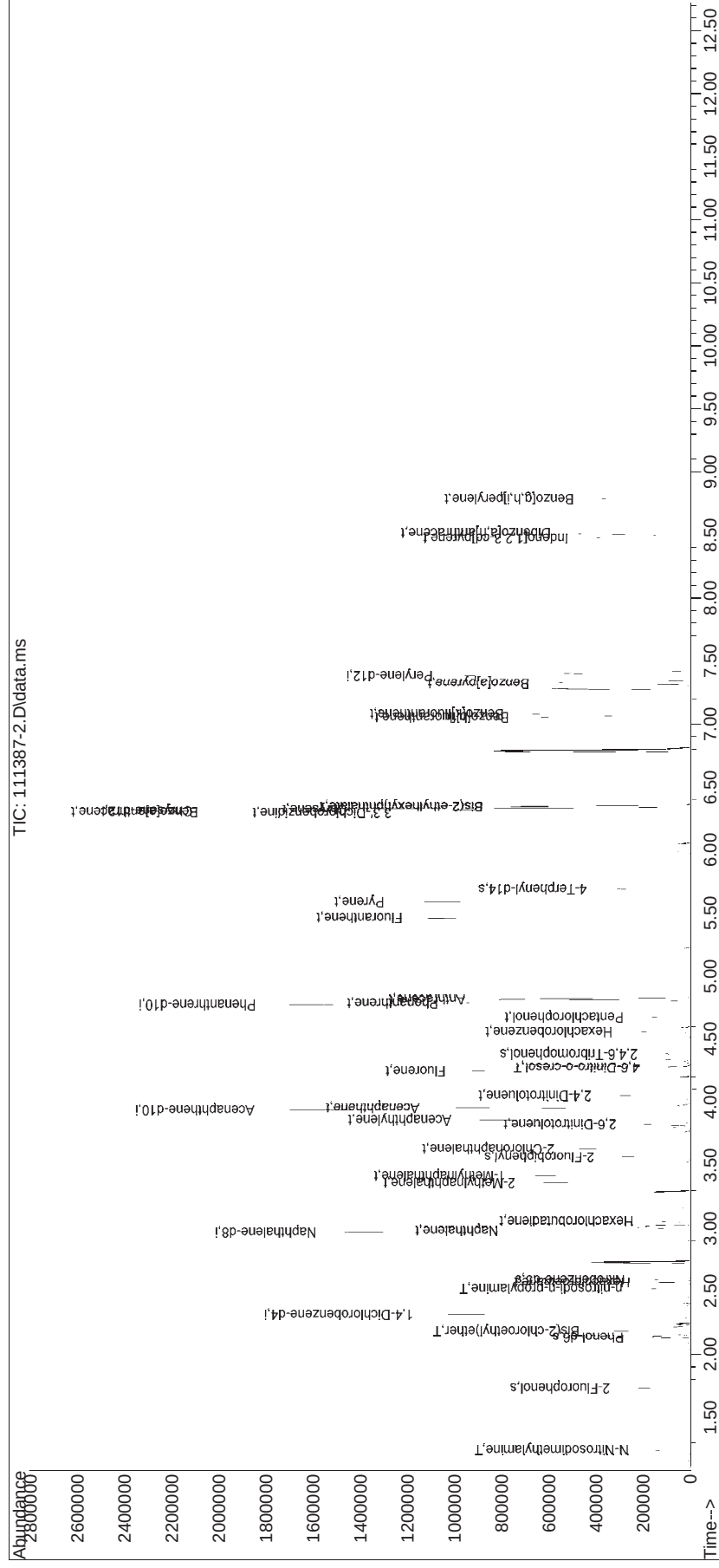
(#) = qualifier out of range (m) = manual integration (+) = signals summed

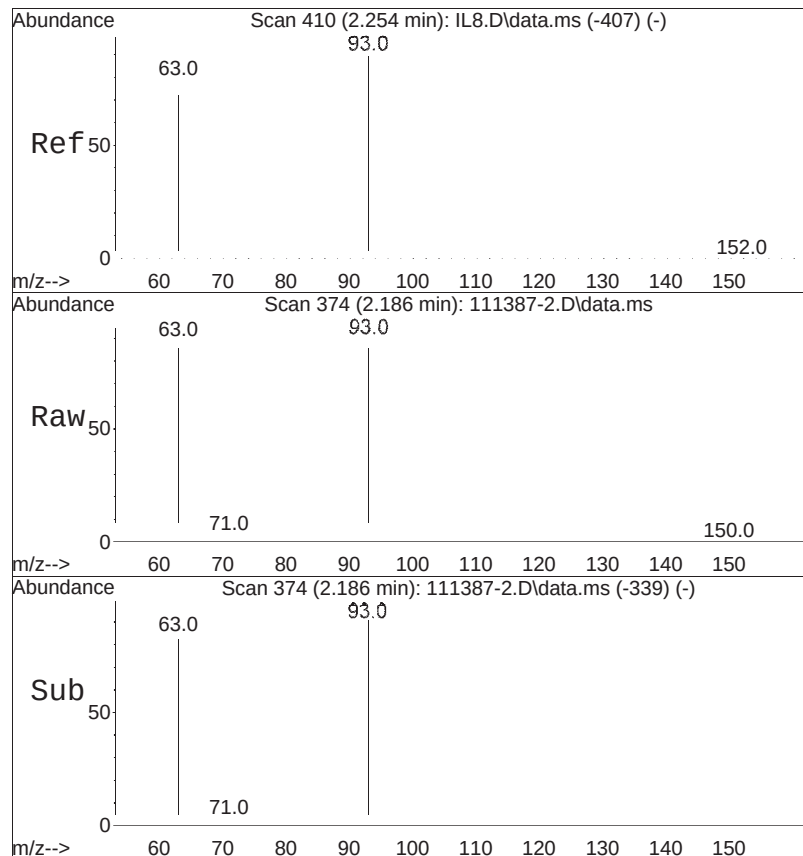
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 111387-2.D
 Acq On : 09 Sep 2025 06:09 pm
 Operator : SV125:rp
 Sample : WG2111387-2,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 10 12:38:12 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

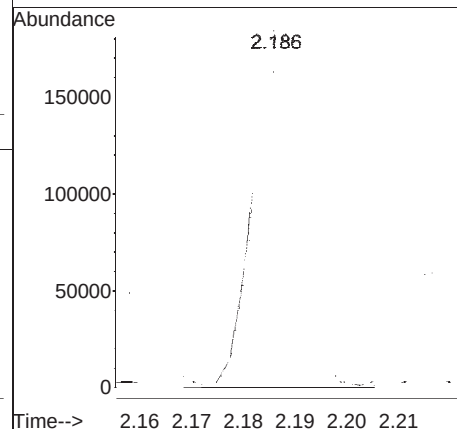
Sub List : DEFAULT - All compounds listed\ccv0909a.D•

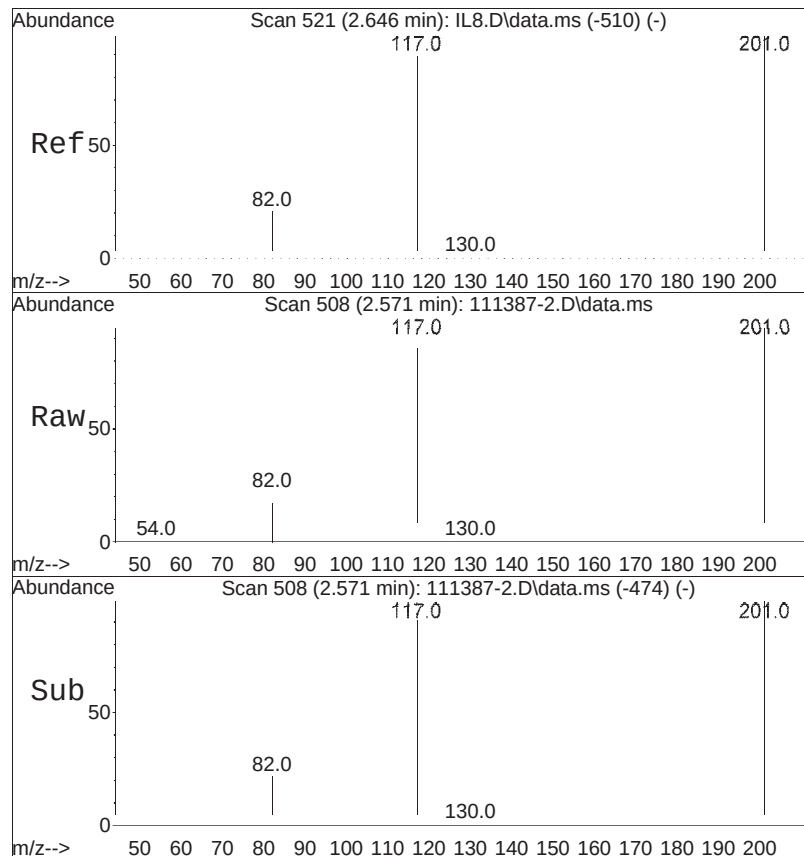




#5
 Bis(2-chloroethyl)ether
 Concen: 1562.23 ng/ml
 RT: 2.186 min Scan# 374
 Delta R.T. 0.016 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

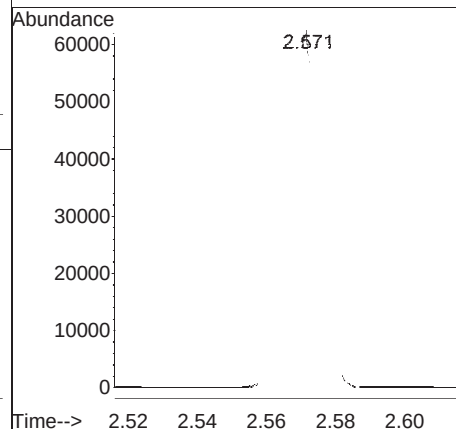
Tgt	Ion	Ratio	Lower	Upper
93	100			
63	87.7	68.6	103.0	

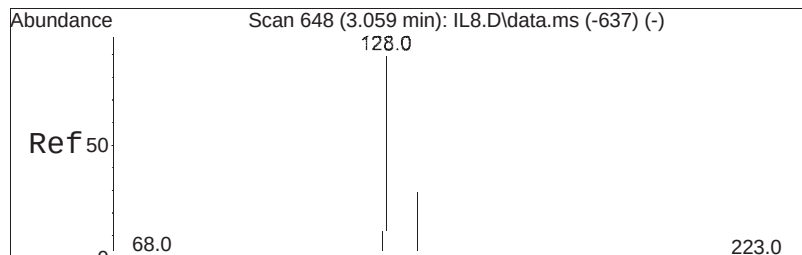




#7
 Hexachloroethane
 Concen: 1220.35 ng/ml
 RT: 2.571 min Scan# 508
 Delta R.T. 0.014 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

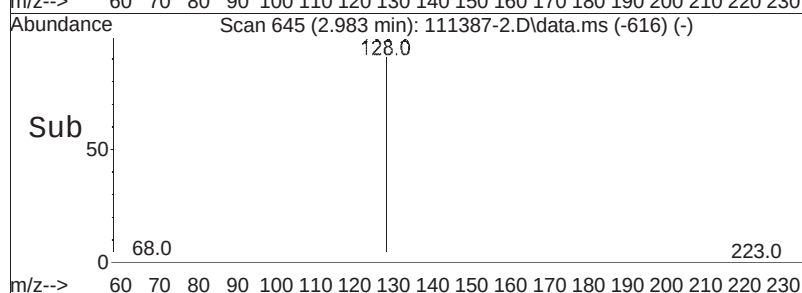
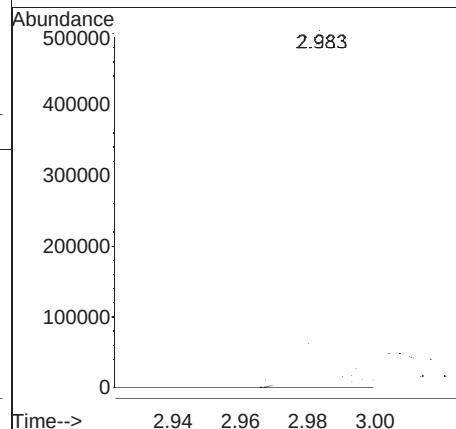
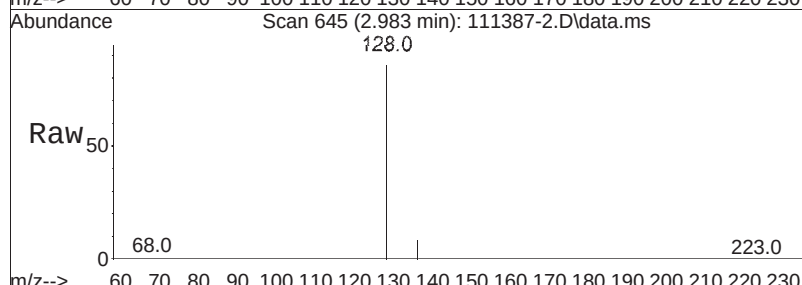
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39893		
201	100.0		80.2	120.2

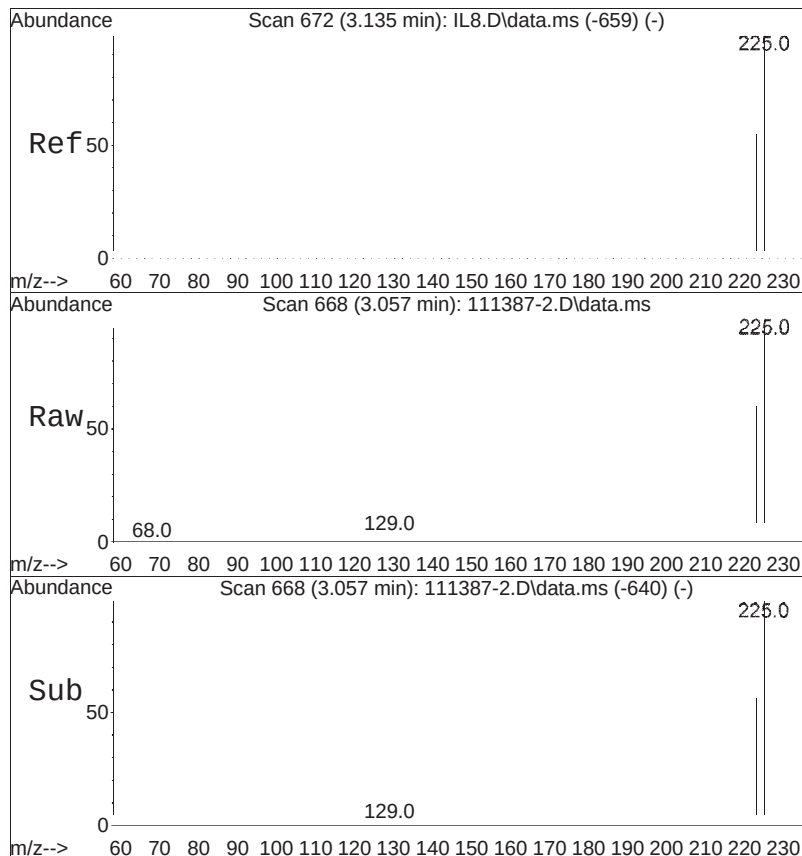




#10
Naphthalene
Concen: 1399.28 ng/ml
RT: 2.983 min Scan# 645
Delta R.T. 0.012 min
Lab File: 111387-2.D
Acq: 09 Sep 2025 06:09 pm

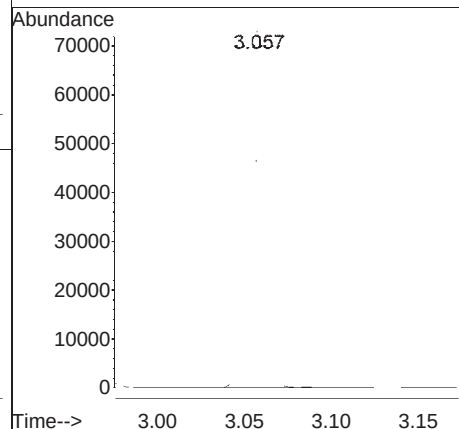
Tgt Ion	128	Resp	376964
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	13.9	10.6	15.8

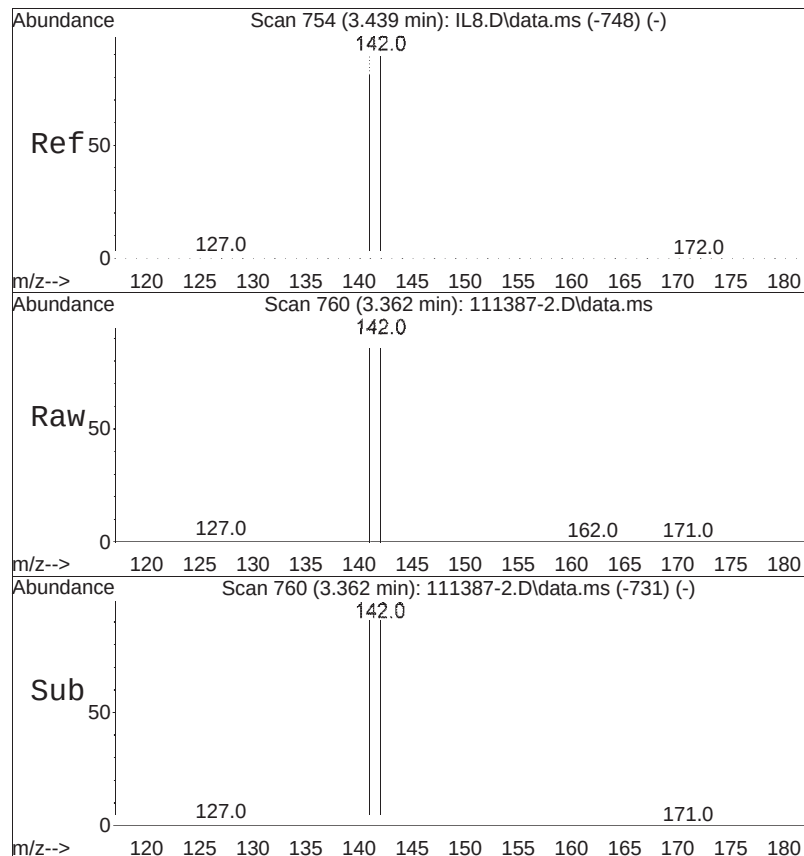




#11
 Hexachlorobutadiene
 Concen: 1232.12 ng/ml
 RT: 3.057 min Scan# 668
 Delta R.T. 0.009 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

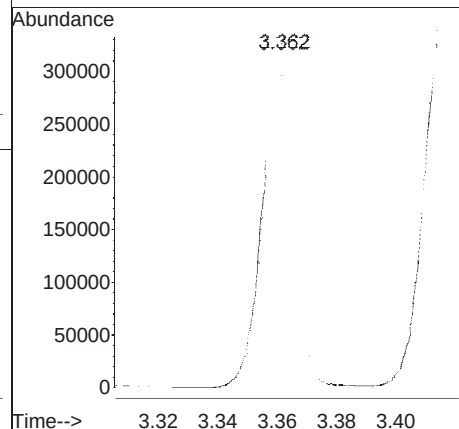
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	75.8

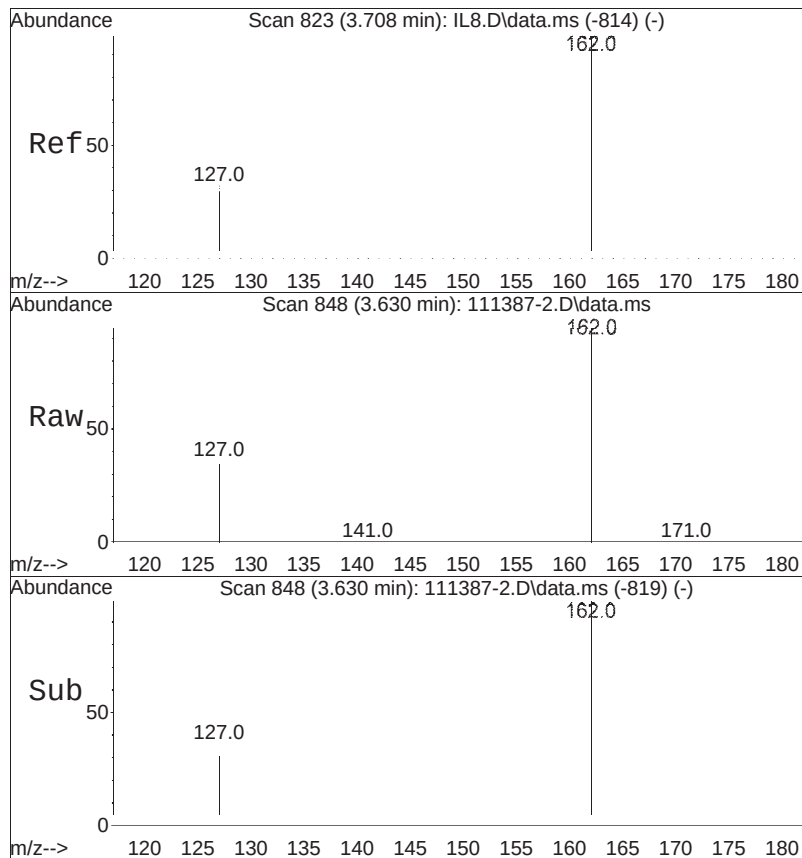




#12
 2-Methylnaphthalene
 Concen: 1542.05 ng/ml
 RT: 3.362 min Scan# 760
 Delta R.T. 0.008 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

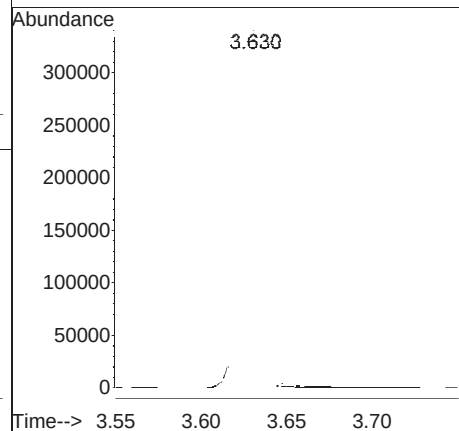
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.2	111.4

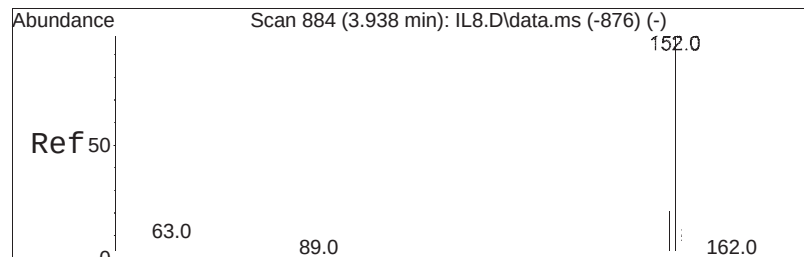




#15
 2-Chloronaphthalene
 Concen: 1515.75 ng/ml
 RT: 3.630 min Scan# 848
 Delta R.T. 0.008 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

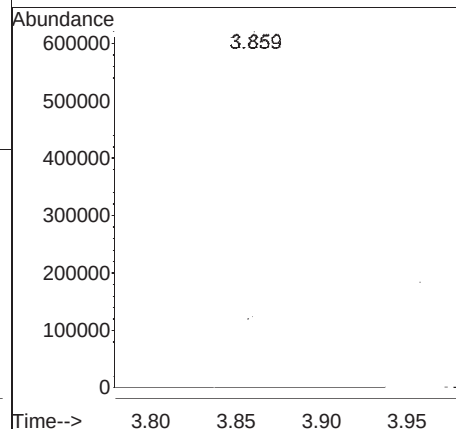
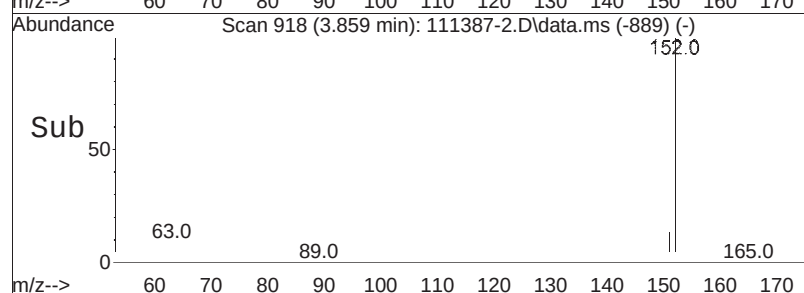
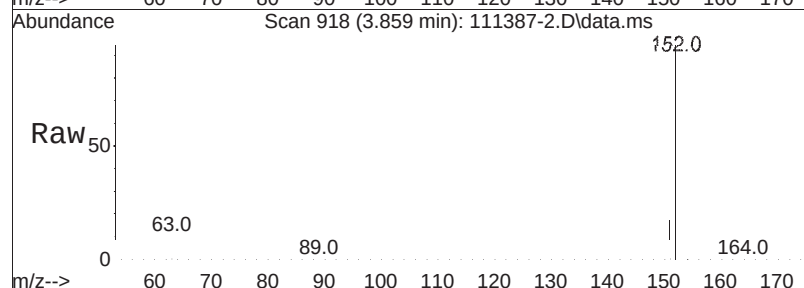
Tgt	Ion	Ratio	Lower	Upper
162	100			
127	41.6	30.0	45.0	

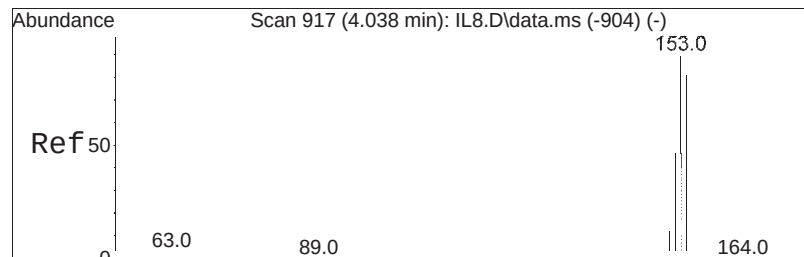




#17
 Acenaphthylene
 Concen: 1689.68 ng/ml
 RT: 3.859 min Scan# 918
 Delta R.T. 0.008 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

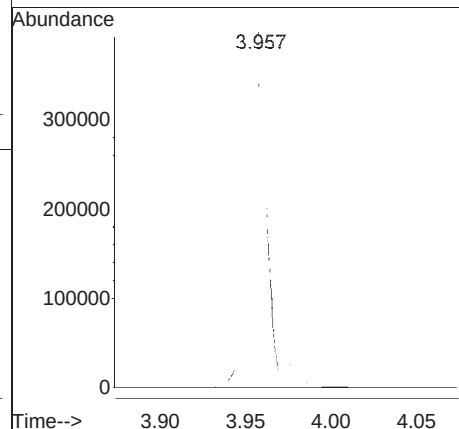
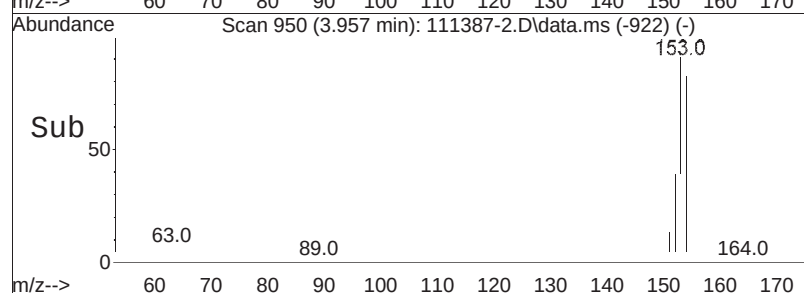
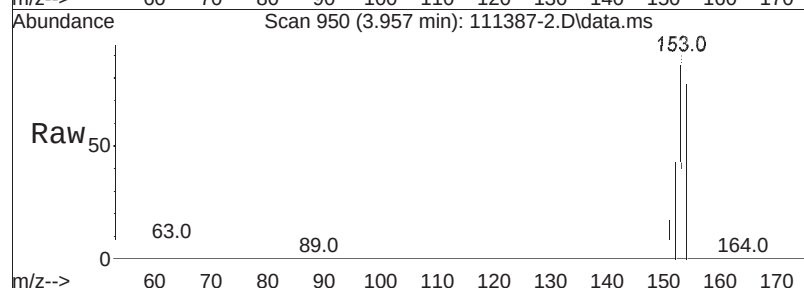
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1

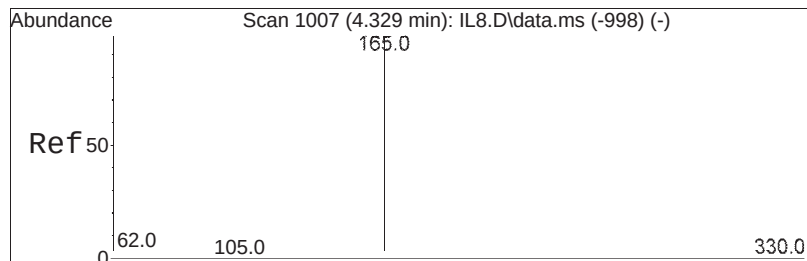




#19
 Acenaphthene
 Concen: 1563.16 ng/ml
 RT: 3.957 min Scan# 950
 Delta R.T. 0.005 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

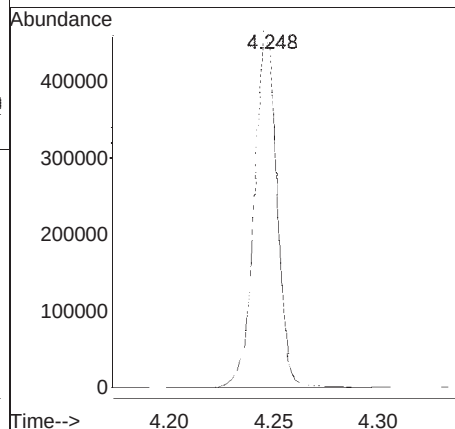
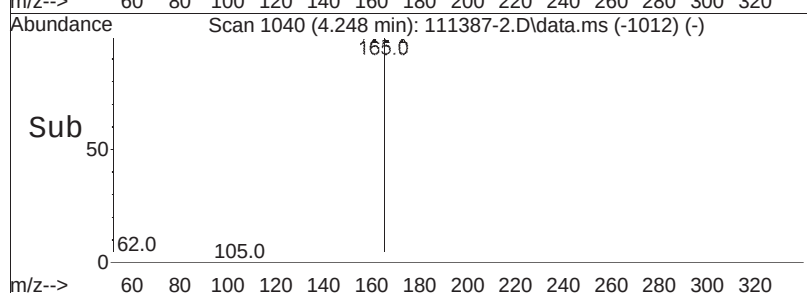
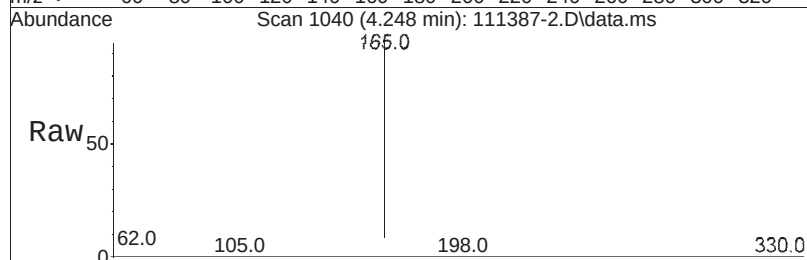
Tgt Ion	Ratio	Lower	Upper
153	100		
154	86.9	72.2	108.4

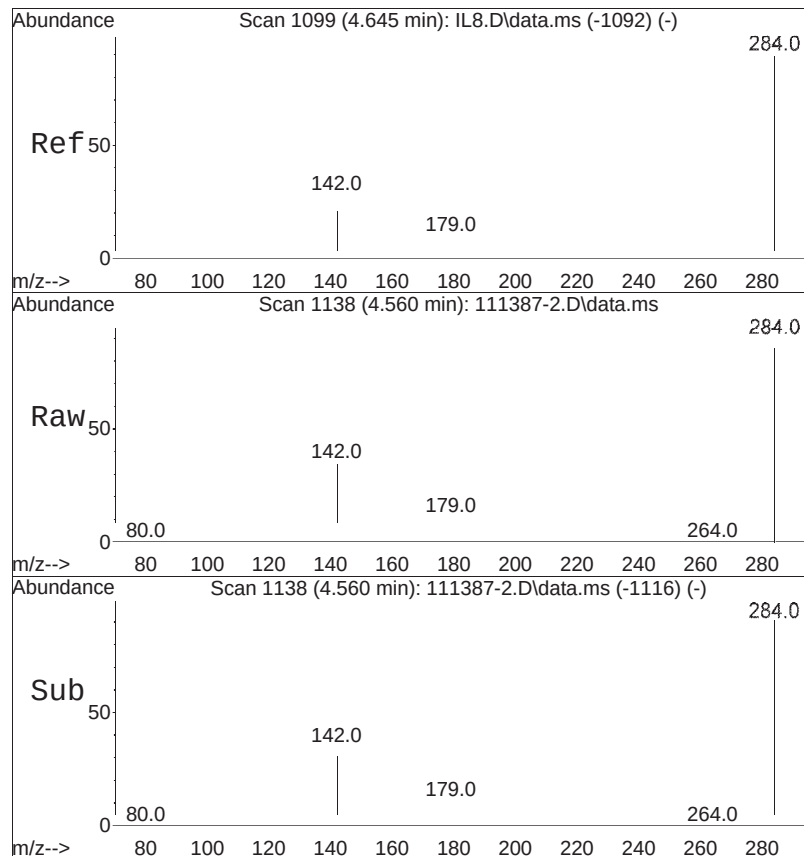




#21
 Fluorene
 Concen: 1667.59 ng/ml
 RT: 4.248 min Scan# 1040
 Delta R.T. 0.005 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

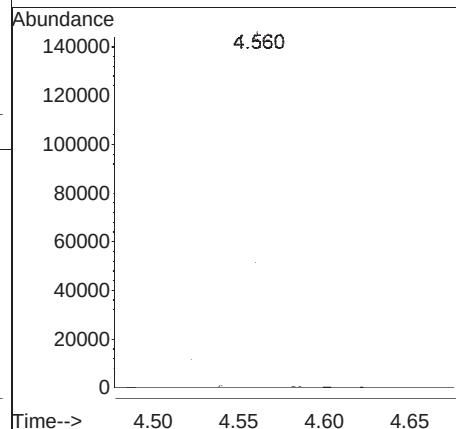
Tgt	Ion	Ratio	Resp	Lower	Upper
166	100		349520		
165	102.1	81.5	122.3		

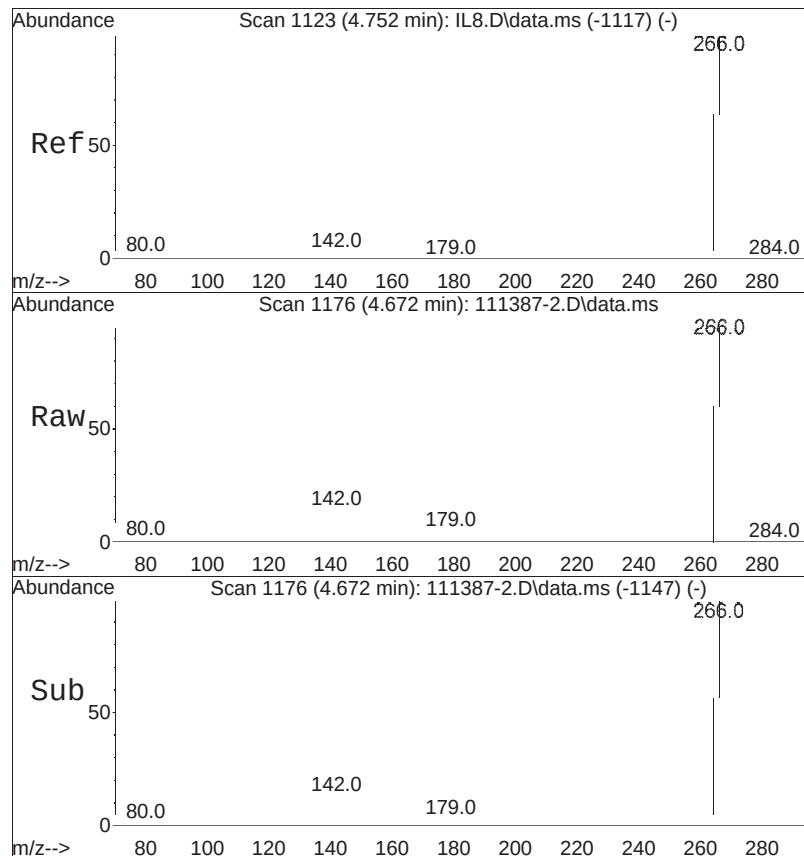




#25
 Hexachlorobenzene
 Concen: 1706.06 ng/ml
 RT: 4.560 min Scan# 1138
 Delta R.T. 0.002 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

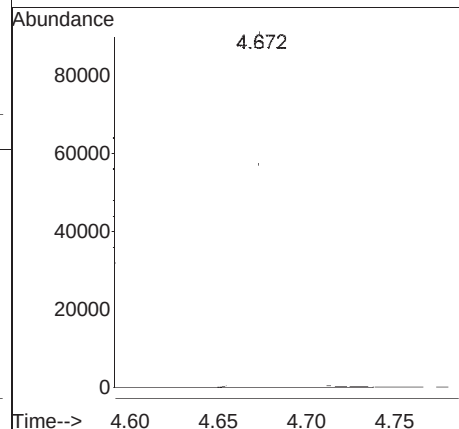
Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.0	29.4	44.2

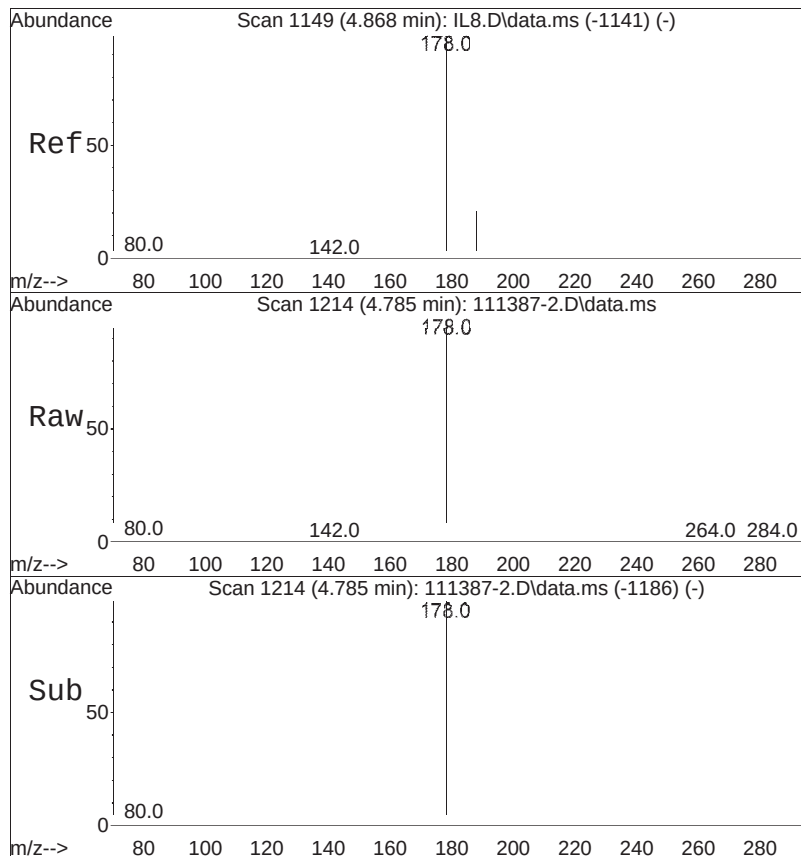




#26
 Pentachlorophenol
 Concen: 2626.40 ng/ml
 RT: 4.672 min Scan# 1176
 Delta R.T. 0.005 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

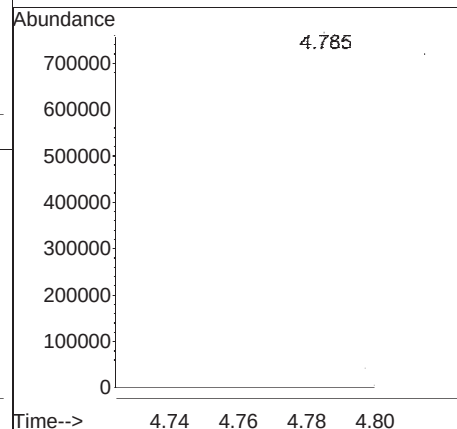
Tgt Ion:	266	Resp:	67368
Ion Ratio	Lower	Upper	
266	100		
264	63.1	49.9	74.9

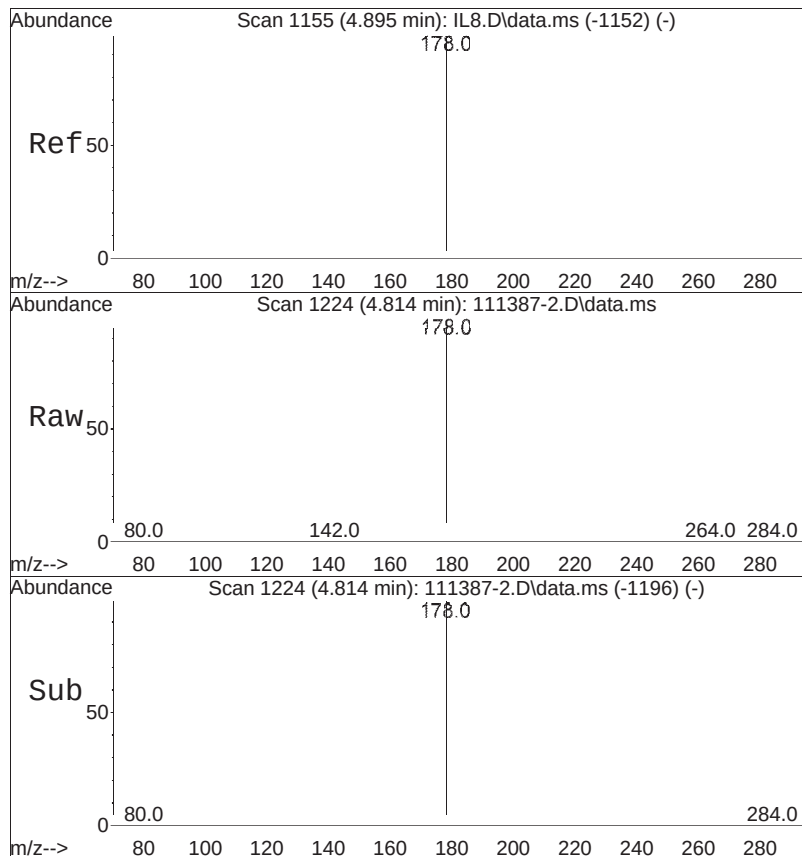




#27
 Phenanthrene
 Concen: 1665.68 ng/ml
 RT: 4.785 min Scan# 1214
 Delta R.T. 0.002 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

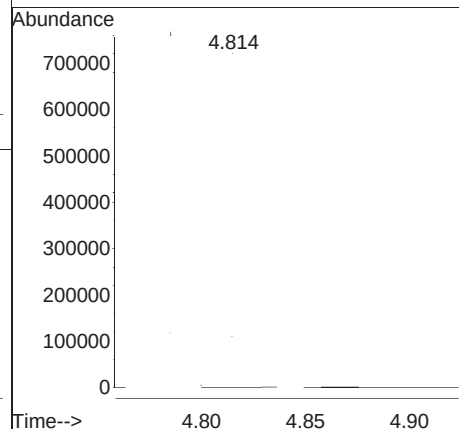
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7

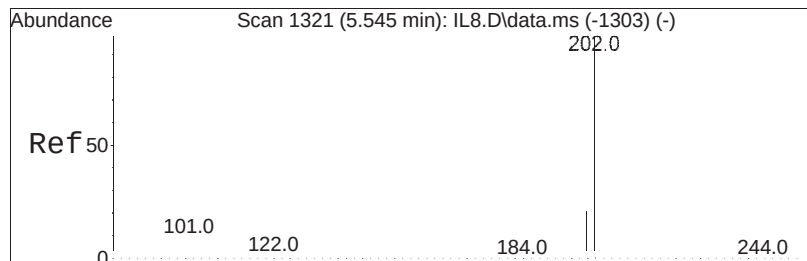




#28
 Anthracene
 Concen: 1742.68 ng/ml
 RT: 4.814 min Scan# 1224
 Delta R.T. 0.002 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5





#29

Fluoranthene

Concen: 1828.11 ng/ml

RT: 5.462 min Scan# 1438

Delta R.T. -0.016 min

Lab File: 111387-2.D

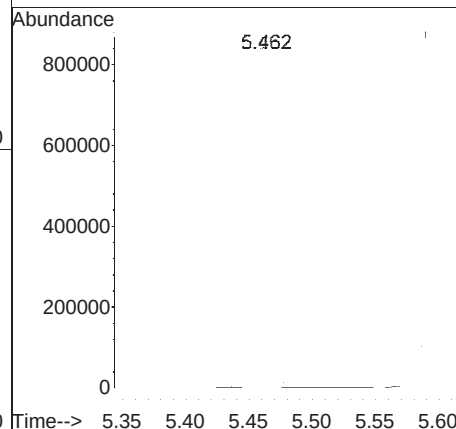
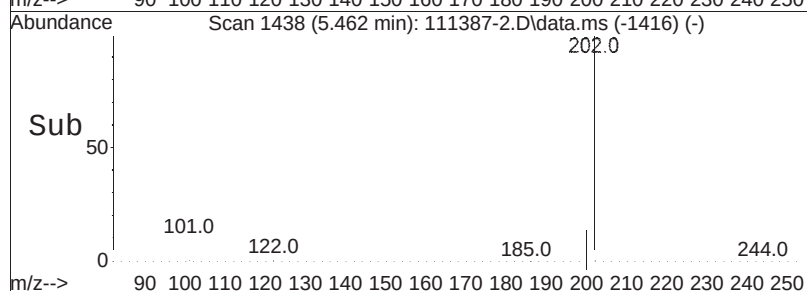
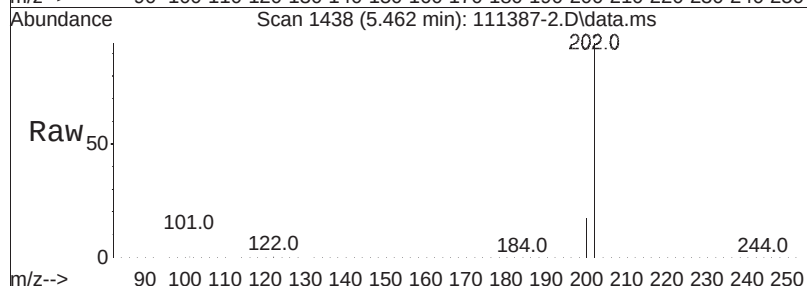
Acq: 09 Sep 2025 06:09 pm

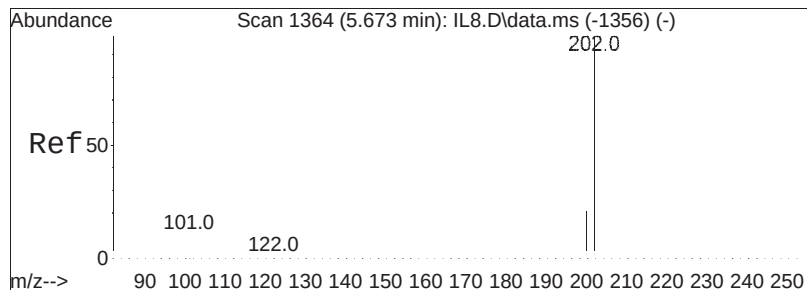
Tgt Ion: 202 Resp: 636345

Ion Ratio Lower Upper

202 100

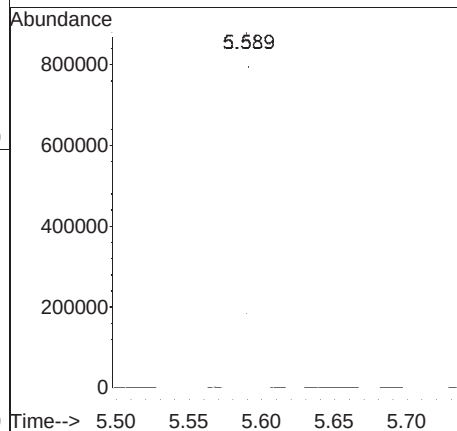
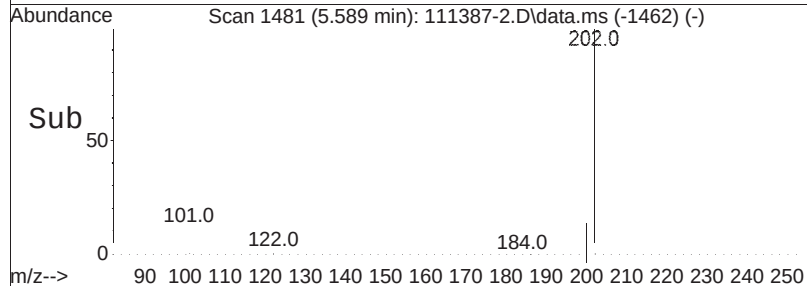
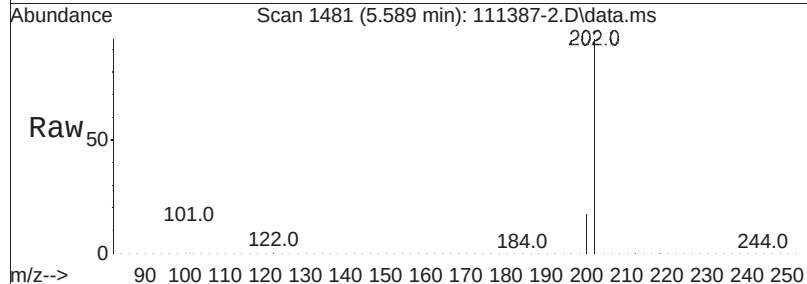
101 10.6 8.3 12.5

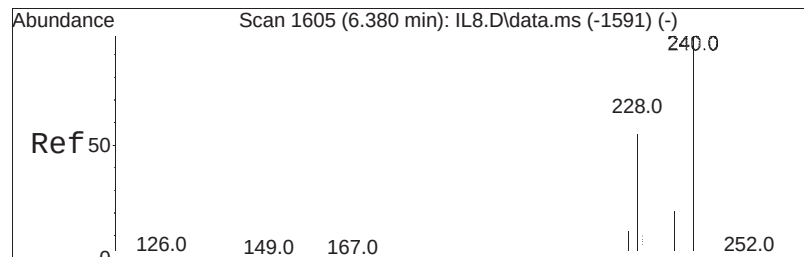




#30
 Pyrene
 Concen: 1798.82 ng/ml
 RT: 5.589 min Scan# 1481
 Delta R.T. -0.024 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2





#34

Benzo[a]anthracene

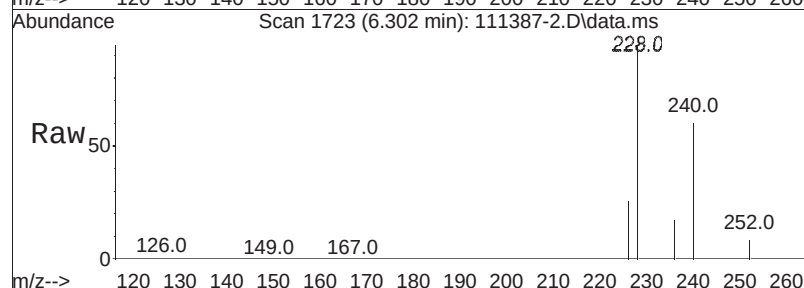
Concen: 1874.11 ng/ml M4

RT: 6.302 min Scan# 1723

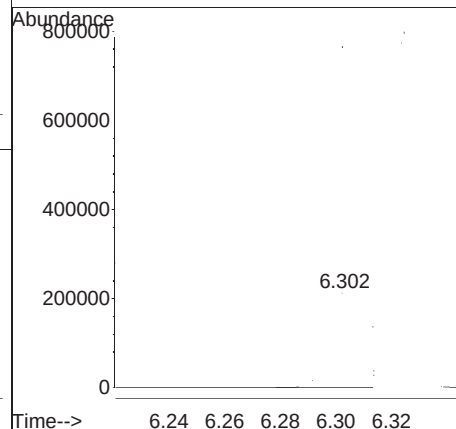
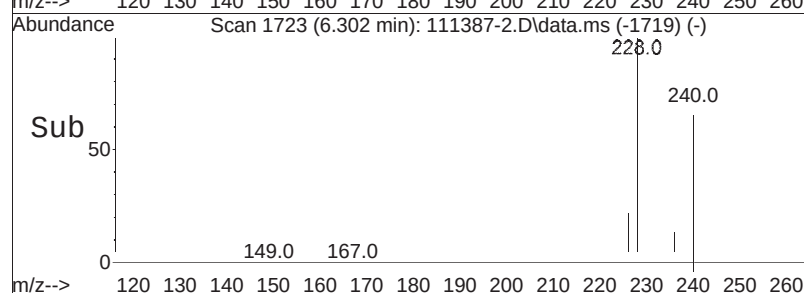
Delta R.T. -0.069 min

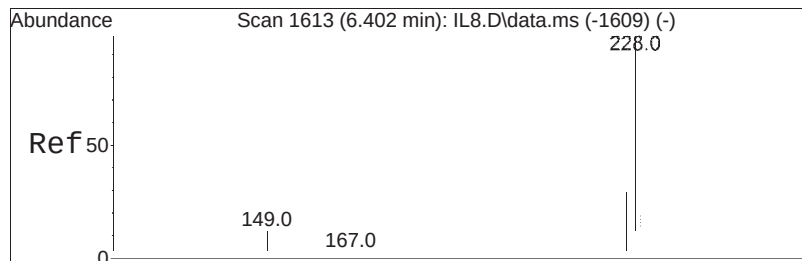
Lab File: 111387-2.D

Acq: 09 Sep 2025 06:09 pm



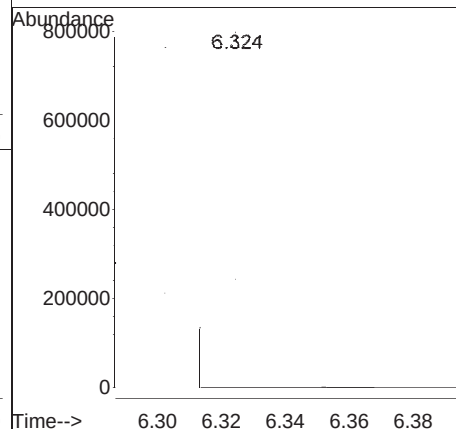
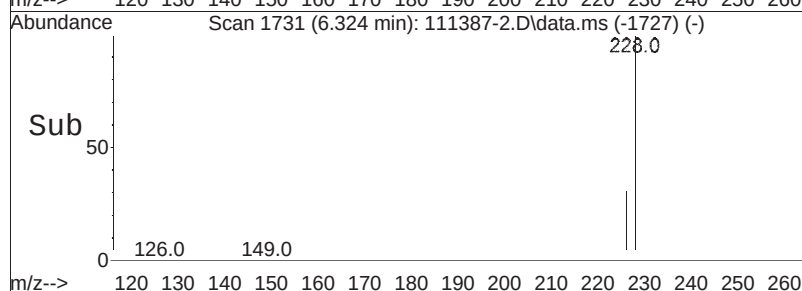
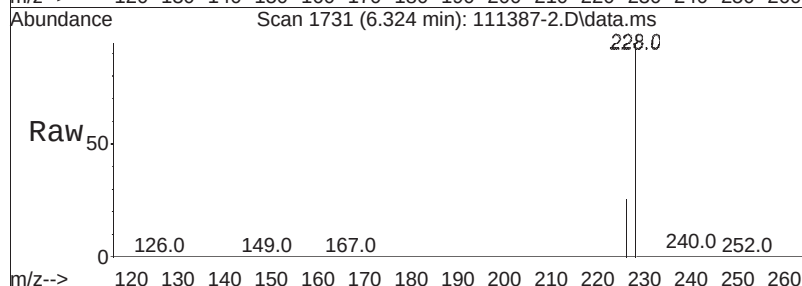
Tgt Ion:	226	Resp:	170476
Ion Ratio	Lower	Upper	
226	100		
229	56.4	56.4	84.6#
228	319.4	287.5	431.3
229	69.2	56.4	84.6

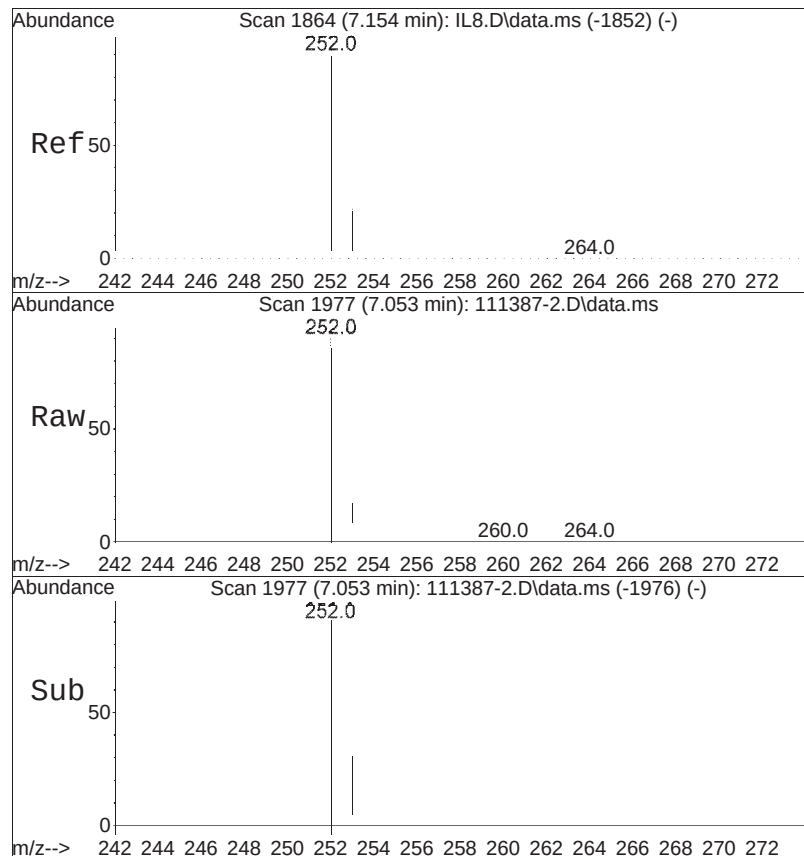




#36
 Chrysene
 Concen: 1823.64 ng/ml M4
 RT: 6.324 min Scan# 1731
 Delta R.T. -0.069 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

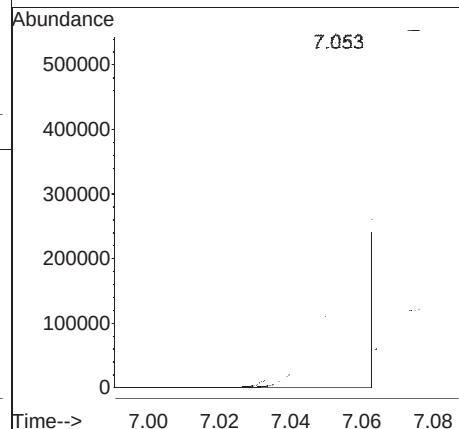
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5

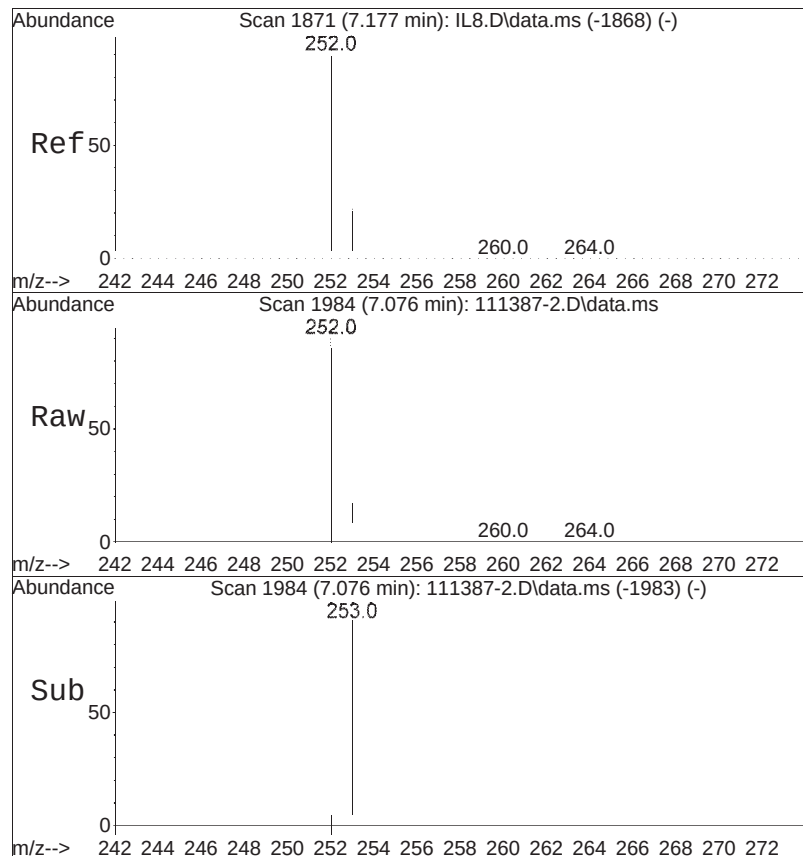




#39
 Benzo[b]fluoranthene
 Concen: 1975.56 ng/ml M3
 RT: 7.053 min Scan# 1977
 Delta R.T. -0.077 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

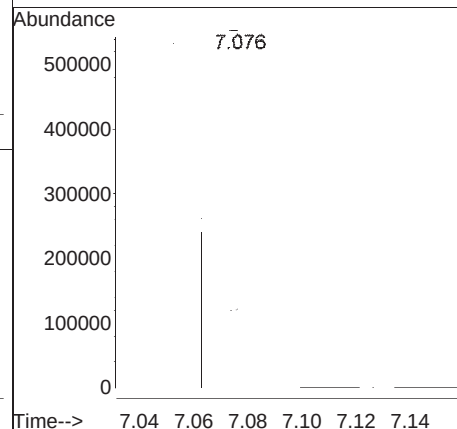
Tgt	Ion:252	Resp:	568147
Ion	Ratio	Lower	Upper
252	100		
253	21.6	19.2	28.8

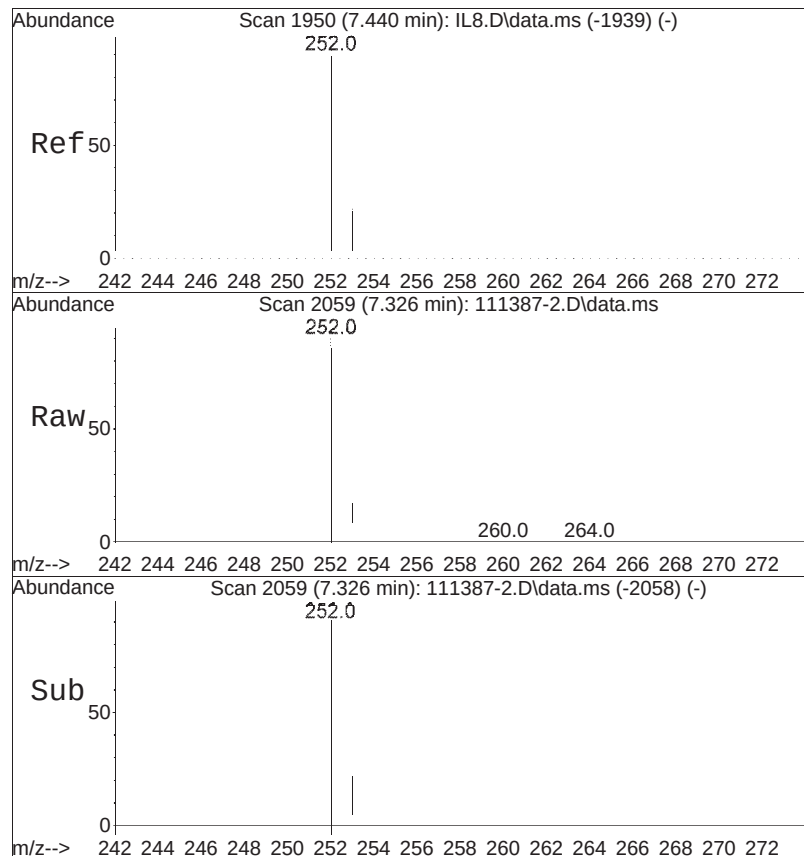




#40
 Benzo[k]fluoranthene
 Concen: 1868.65 ng/ml M2
 RT: 7.076 min Scan# 1984
 Delta R.T. -0.077 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

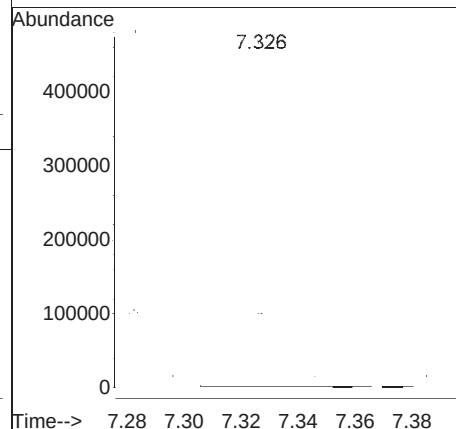
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	15.8	23.8

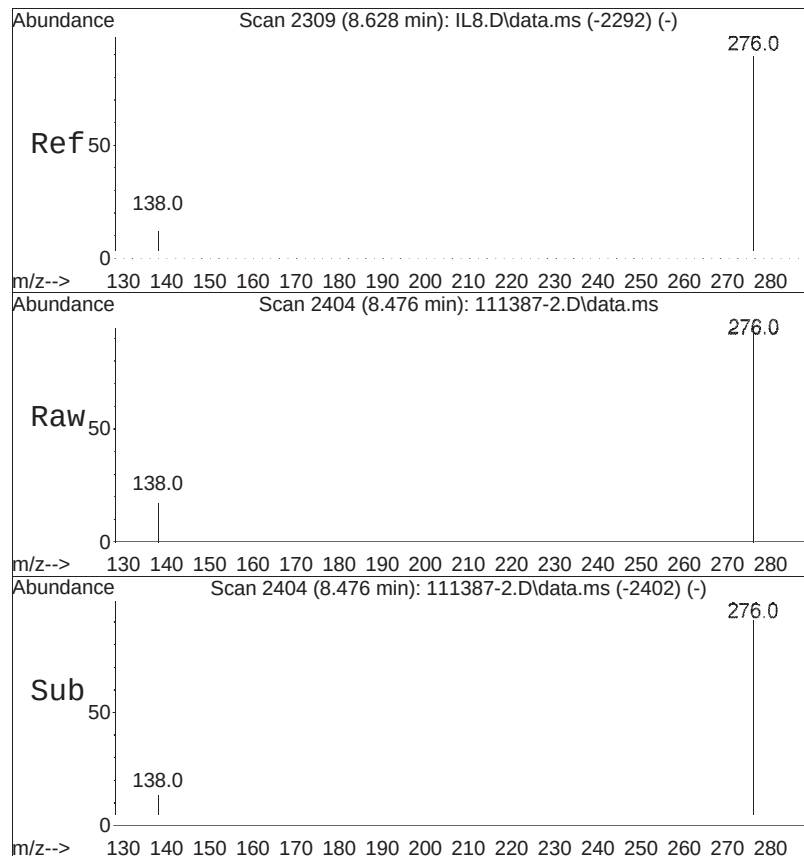




#41
 Benzo[a]pyrene
 Concen: 1948.18 ng/ml M3
 RT: 7.326 min Scan# 2059
 Delta R.T. -0.077 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

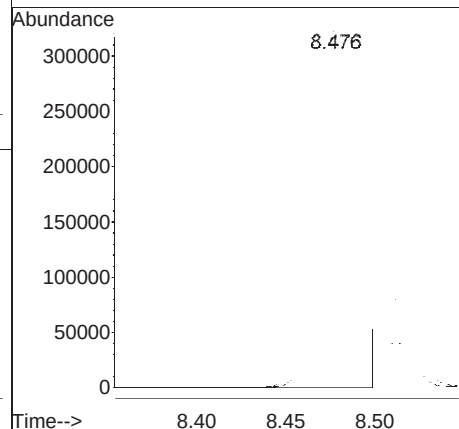
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0

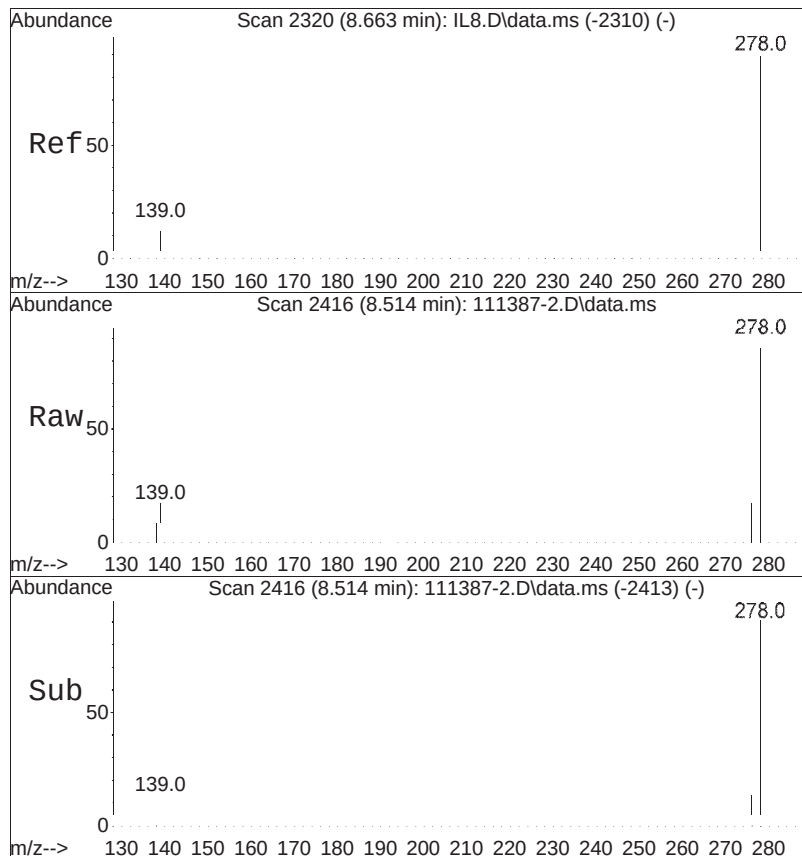




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 2013.40 ng/ml M3
 RT: 8.476 min Scan# 2404
 Delta R.T. -0.073 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

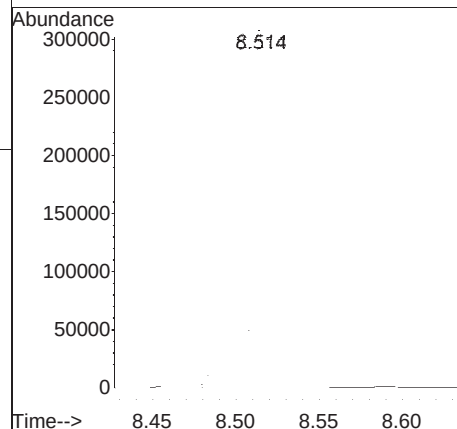
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	15.9	23.9

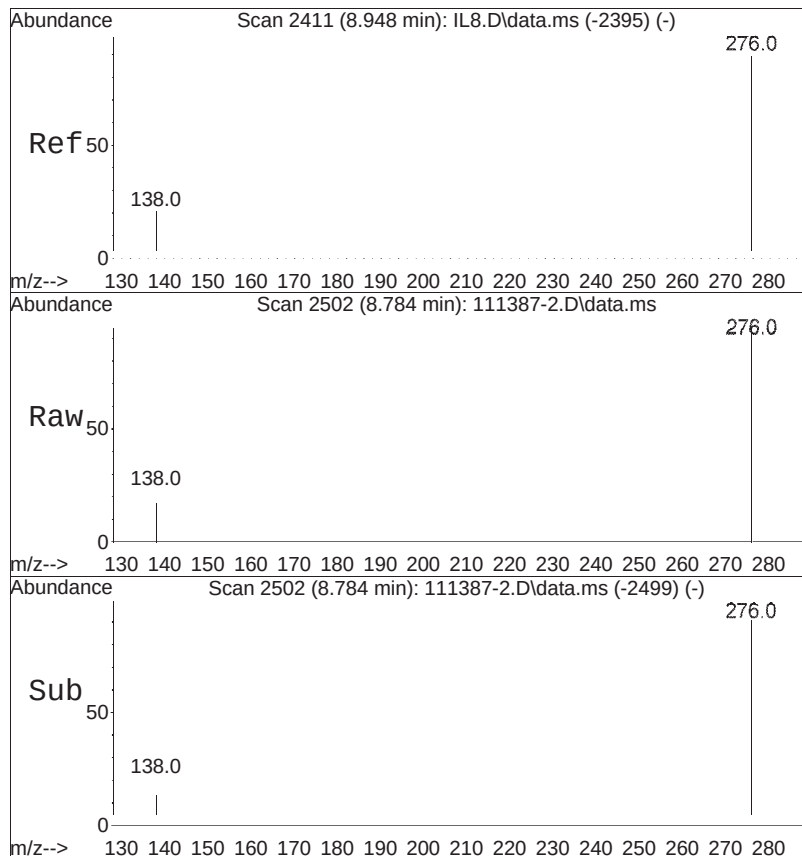




#43
 Dibenzo[a,h]anthracene
 Concen: 1884.55 ng/ml M2
 RT: 8.514 min Scan# 2416
 Delta R.T. -0.070 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

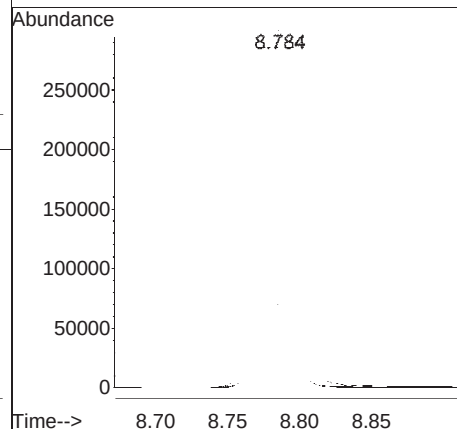
Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1871.92 ng/ml M2
 RT: 8.784 min Scan# 2502
 Delta R.T. -0.070 min
 Lab File: 111387-2.D
 Acq: 09 Sep 2025 06:09 pm

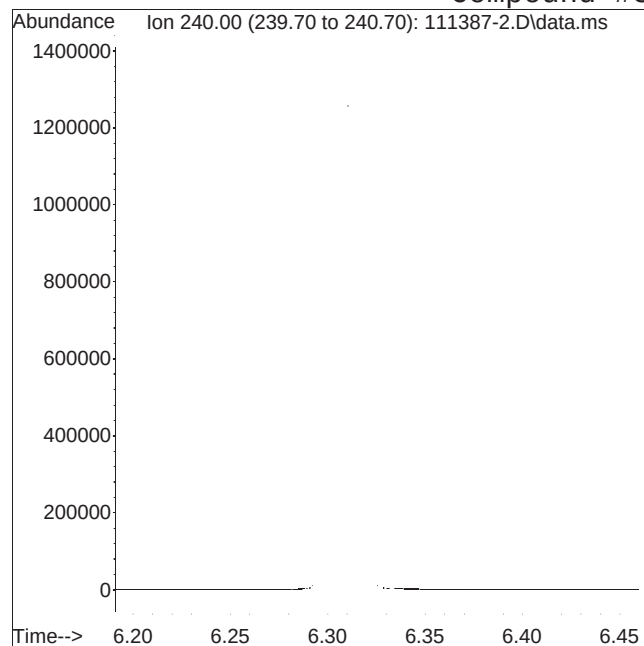
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.1	27.1



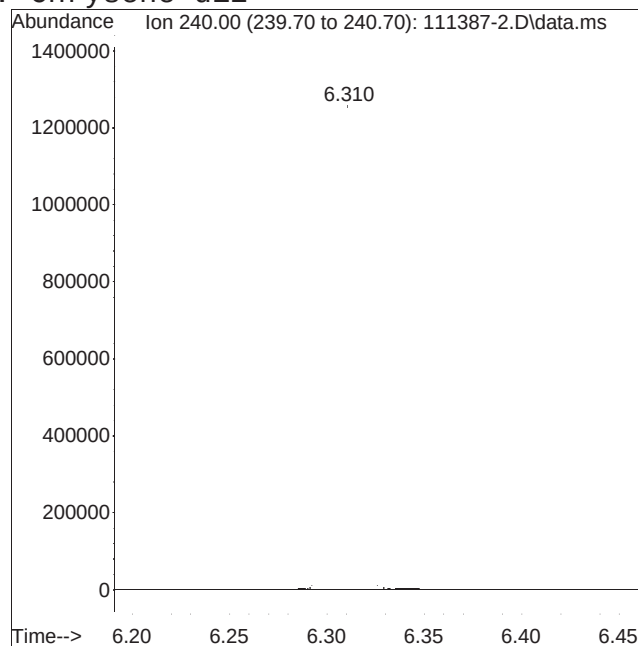
Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 111387-2.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:09 pm Instrument : SV125
Sample : WG2111387-2,32,,dv Quant Date : 9/9/2025 6:25 pm

Compound #33: Chrysene-d12



Original Peak Response = 0



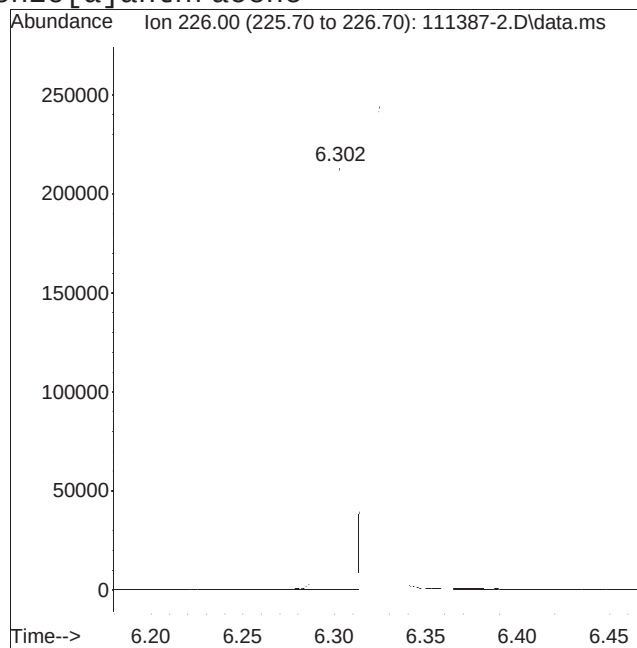
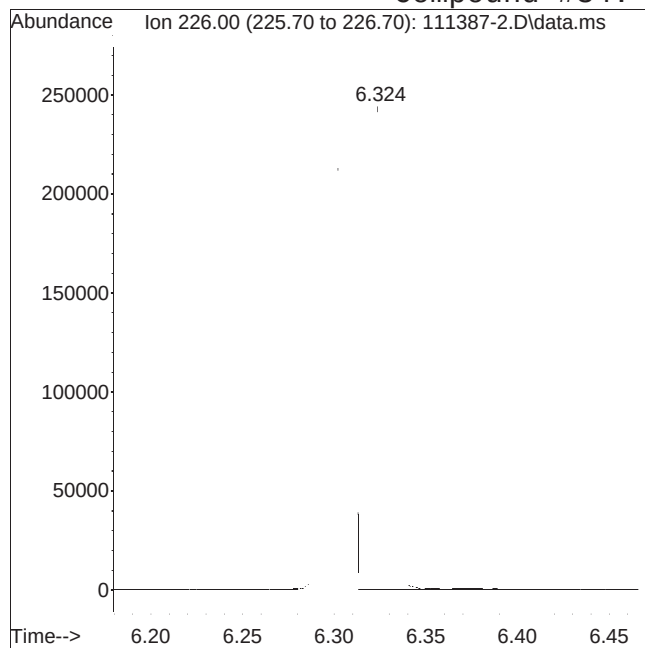
Manual Peak Response = 945767 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 111387-2.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:09 pm Instrument : SV125
Sample : WG2111387-2,32,,dv Quant Date : 9/9/2025 6:25 pm

Compound #34: Benzo[a]anthracene



Original Peak Response = 165526

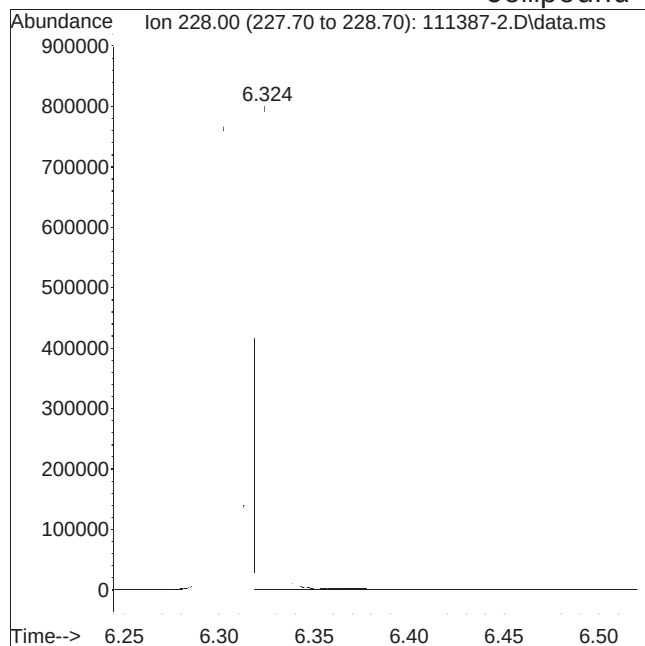
Manual Peak Response = 170476 M4

M4 = Poor automated baseline construction.

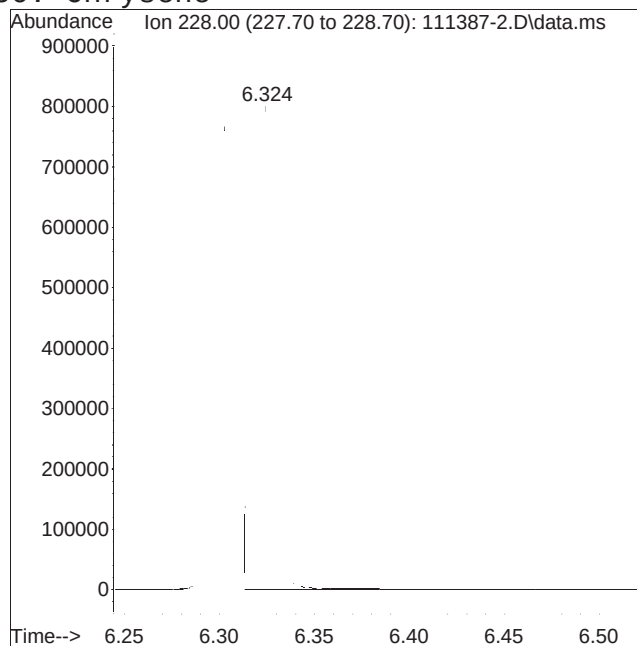
Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 111387-2.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:09 pm Instrument : SV125
Sample : WG2111387-2,32,,dv Quant Date : 9/9/2025 6:25 pm

Compound #36: Chrysene



Original Peak Response = 445862



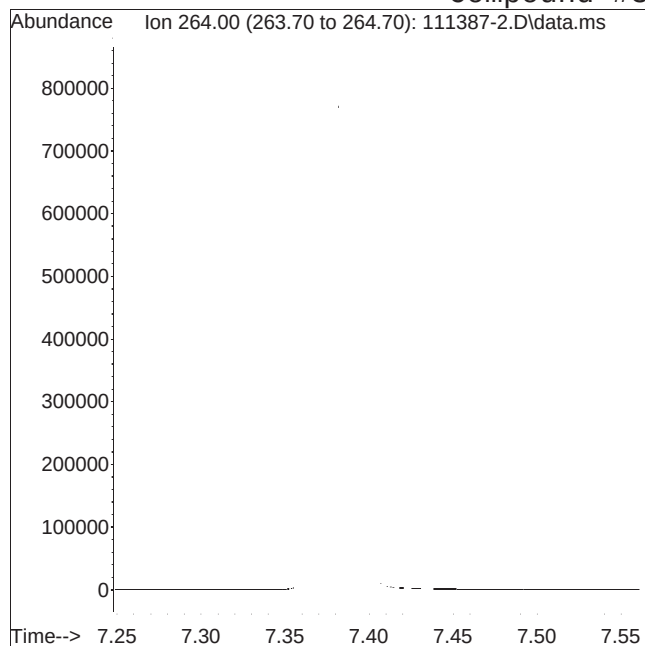
Manual Peak Response = 547696 M4

M4 = Poor automated baseline construction.

Manual Integration Report

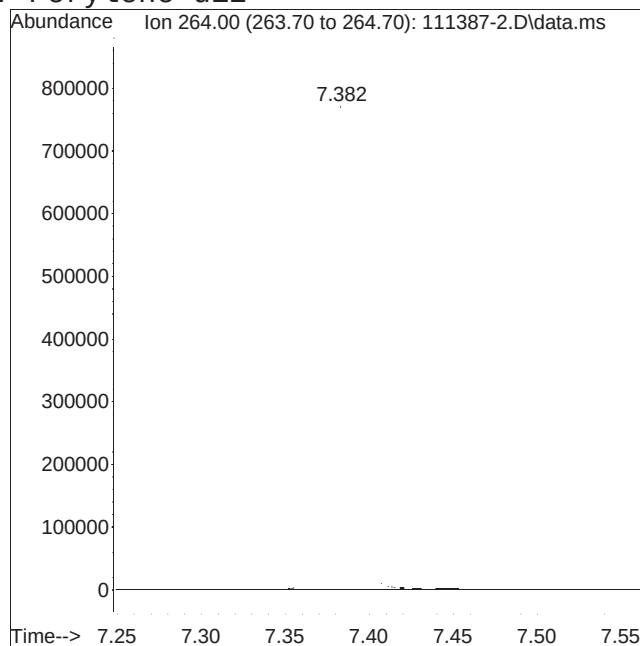
Data Path : I:\8270SIM\SV125\250908\RVT01
Data File : 111387-2.D
Date Inj'd : 9/9/2025 6:09 pm
Sample : WG2111387-2,32,,dv
Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Quant Date : 9/9/2025 6:25 pm

Compound #38: Perylene-d12



Original Peak Response = 0

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

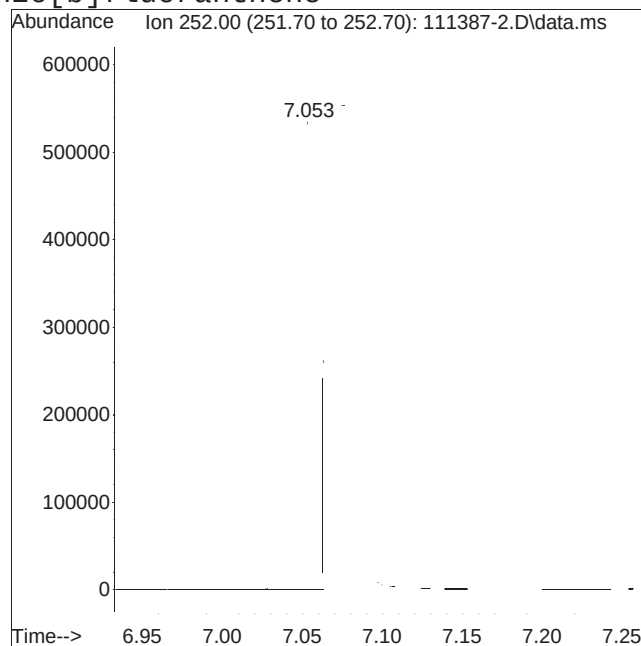
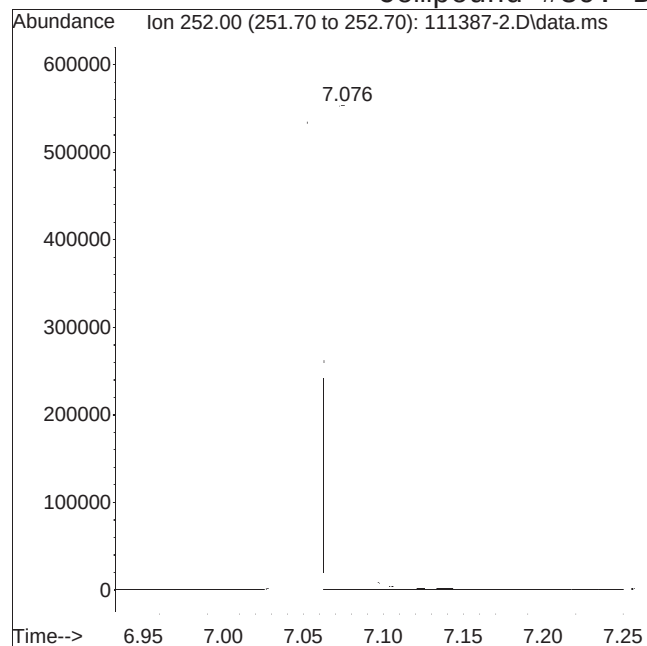


Manual Peak Response = 909099 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 111387-2.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:09 pm Instrument : SV125
Sample : WG2111387-2,32,,dv Quant Date : 9/9/2025 6:25 pm

Compound #39: Benzo[b]fluoranthene



Original Peak Response = 543785

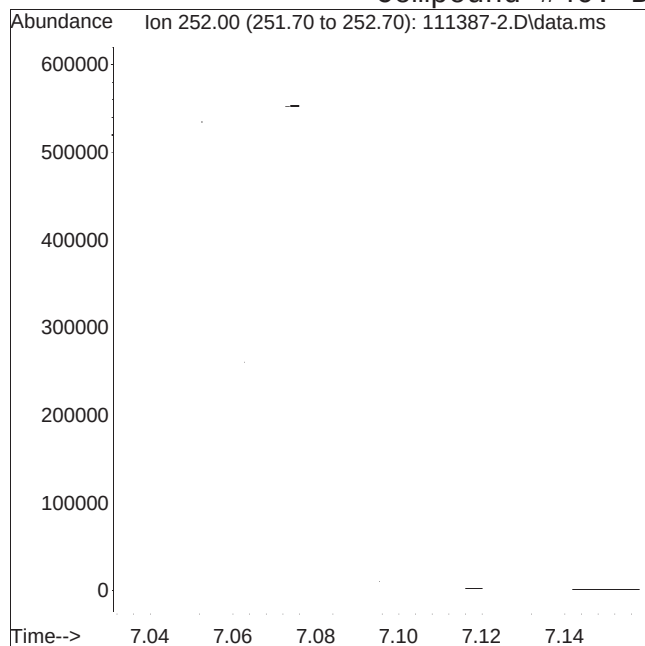
Manual Peak Response = 568147 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

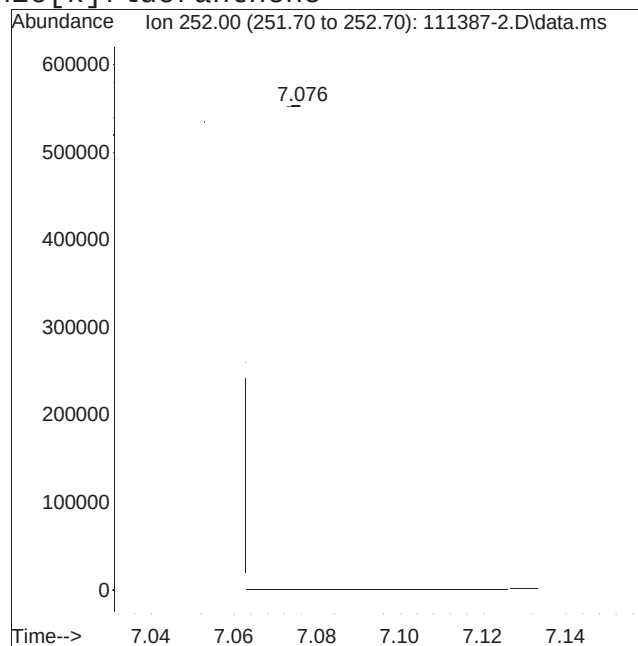
Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 111387-2.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:09 pm Instrument : SV125
Sample : WG2111387-2,32,,dv Quant Date : 9/9/2025 6:25 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 0



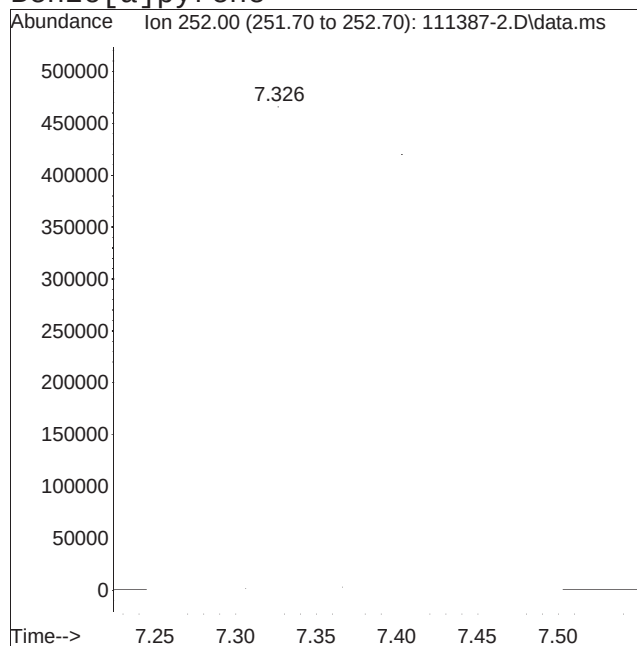
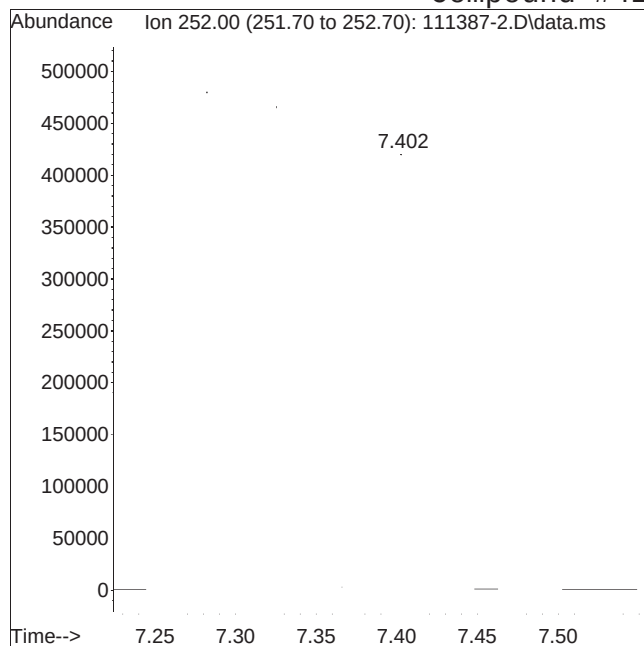
Manual Peak Response = 544561 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 111387-2.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:09 pm Instrument : SV125
Sample : WG2111387-2,32,,dv Quant Date : 9/9/2025 6:25 pm

Compound #41: Benzo[a]pyrene



Original Peak Response = 442516

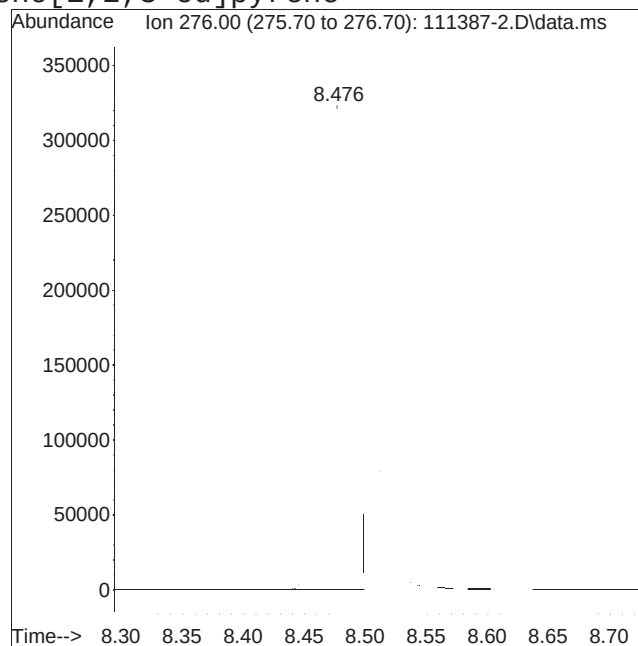
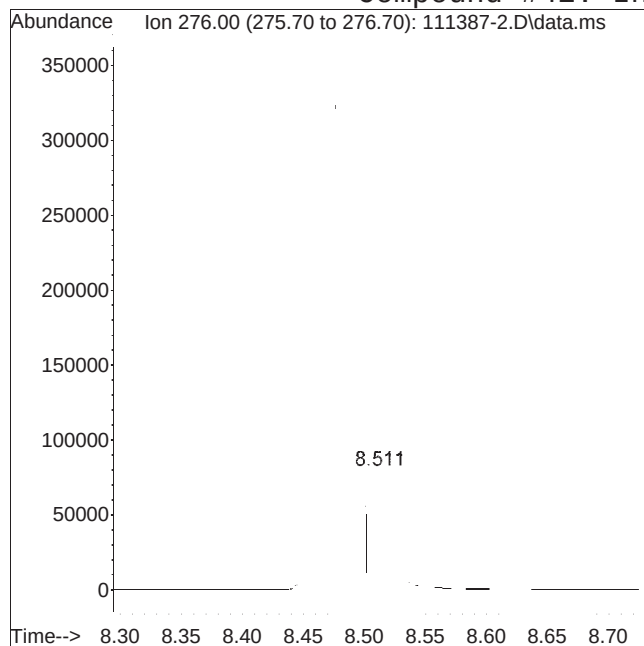
Manual Peak Response = 495258 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 111387-2.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:09 pm Instrument : SV125
Sample : WG2111387-2,32,,dv Quant Date : 9/9/2025 6:25 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 97777

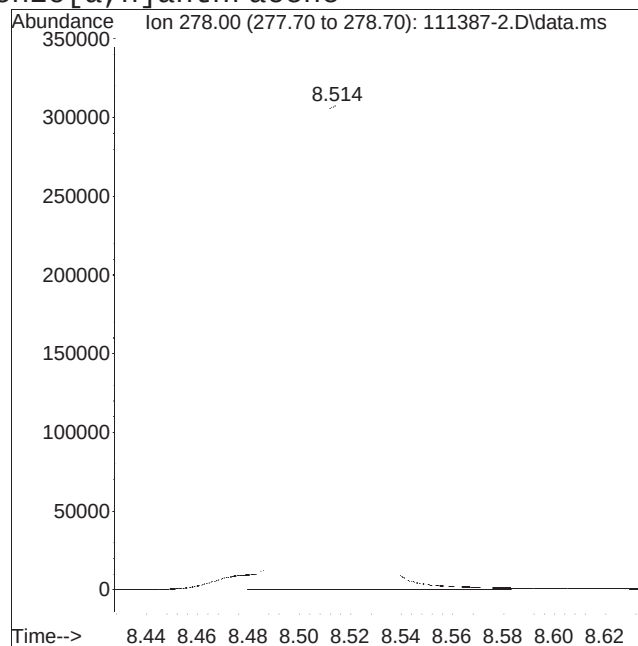
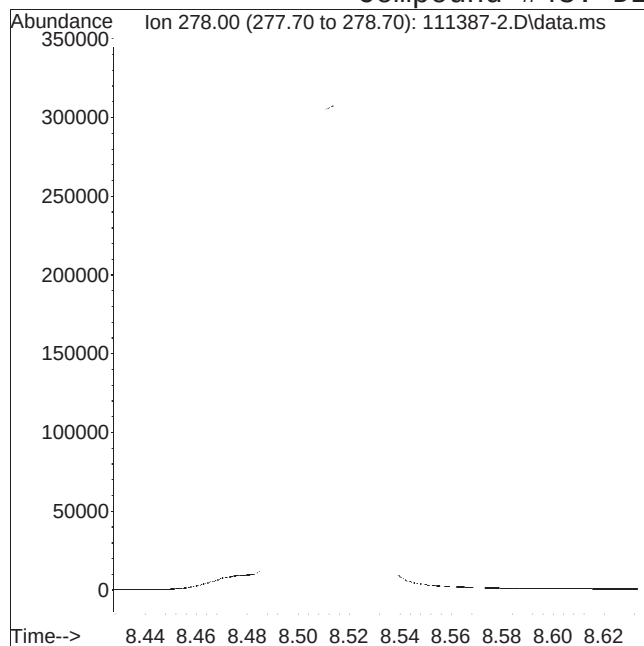
Manual Peak Response = 486328 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250909RVTQ Method : SIM-RVT_250908_sv125.M
Data File : 111387-2.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:09 pm Instrument : SV125
Sample : WG2111387-2,32,,dv Quant Date : 9/9/2025 6:25 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 0

Manual Peak Response = 451331 M2

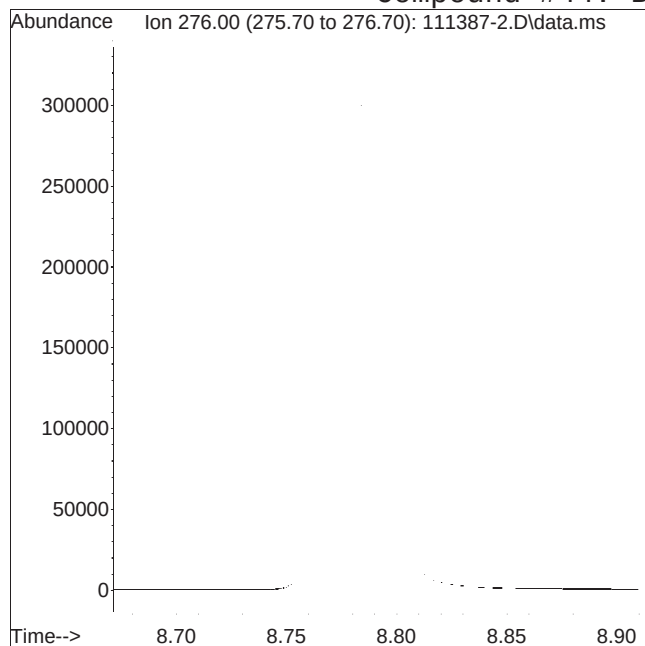
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

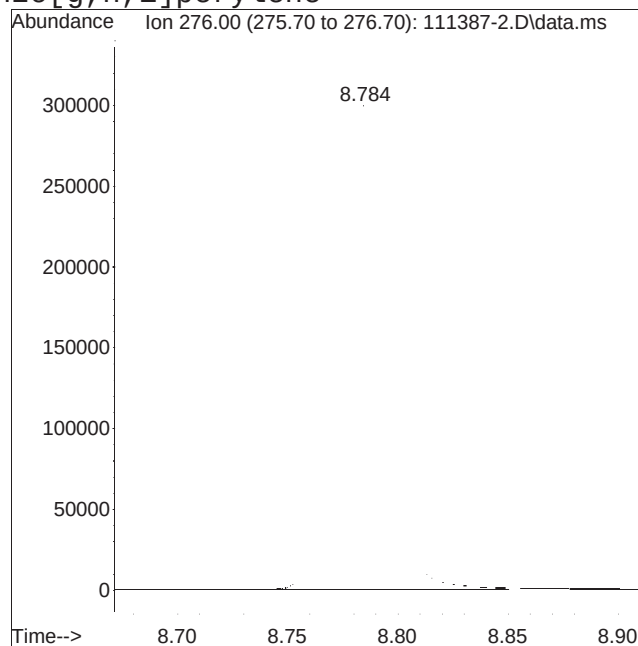
Data Path : I:\8270SIM\SV125\250908RVTQ
Data File : 111387-2.D
Date Inj'd : 9/9/2025 6:09 pm
Sample : WG2111387-2,32,,dv

Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Quant Date : 9/9/2025 6:25 pm

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 0



Manual Peak Response = 466121 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 111387-3.D
 Acq On : 09 Sep 2025 06:25 pm
 Operator : SV125:rp
 Sample : WG2111387-3,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 10 12:40:49 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909RVT\ccv0909a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	264481	4000.000	ng/ml	0.02
Standard Area 1 = 260656			Recovery	=	101.47%	
9) Naphthalene-d8	2.971	136	1064957	4000.000	ng/ml	0.00
Standard Area 1 = 1017753			Recovery	=	104.64%	
18) Acenaphthene-d10	3.939	164	614179	4000.000	ng/ml	0.00
Standard Area 1 = 571416			Recovery	=	107.48%	
23) Phenanthrene-d10	4.773	188	1183235	4000.000	ng/ml	0.00
Standard Area 1 = 1115101			Recovery	=	106.11%	
33) Chrysene-d12	6.314	240	956820M4	4000.000	ng/ml	-0.07
Standard Area 1 = 952809			Recovery	=	100.42%	
38) Perylene-d12	7.386	264	886576	4000.000	ng/ml	-0.08
Standard Area 1 = 923411			Recovery	=	96.01%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	92629	1418.291	ng/ml	0.03
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	70.91%	
4) Phenol-d6	2.139	99	87510	1084.575	ng/ml	0.02
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	54.23%	
8) Nitrobenzene-d5	2.593	82	62974	977.382	ng/ml	0.01
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	97.74%	
14) 2-Fluorobiphenyl	3.569	172	178165	819.771	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	81.98%	
22) 2,4,6-Tribromophenol	4.382	330	53582	2346.570	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	117.33%#	
32) 4-Terphenyl-d14	5.690	244	219169	924.270	ng/ml	-0.03
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	92.43%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	2.186	93	120909	1662.014	ng/ml	98
7) Hexachloroethane	2.571	117	42992	1295.537	ng/ml	99
10) Naphthalene	2.981	128	408943	1452.167	ng/ml	99
11) Hexachlorobutadiene	3.057	225	59417	1273.539	ng/ml	99
12) 2-Methylnaphthalene	3.362	142	264303	1608.099	ng/ml	100
15) 2-Chloronaphthalene	3.627	162	294320	1595.592	ng/ml	93
17) Acenaphthylene	3.857	152	527525	1808.875	ng/ml	100
19) Acenaphthene	3.958	153	325857	1659.538	ng/ml	97
21) Fluorene	4.245	166	393281	1788.630	ng/ml	100
25) Hexachlorobenzene	4.561	284	117132	1823.304	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 111387-3.D
 Acq On : 09 Sep 2025 06:25 pm
 Operator : SV125:rp
 Sample : WG2111387-3,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 10 12:40:49 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909RVT\ccv0909a.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	4.673	266	73773	2713.364	ng/ml	99
27)	Phenanthrene	4.785	178	594841	1760.048	ng/ml	100
28)	Anthracene	4.812	178	609407	1890.132	ng/ml	100
29)	Fluoranthene	5.460	202	704582	1927.752	ng/ml	100
30)	Pyrene	5.590	202	710060	1892.819	ng/ml	100
34)	Benzo[a]anthracene	6.305	226	178936	1944.466	ng/ml	99
36)	Chrysene	6.327	228	584867	1924.910	ng/ml	100
39)	Benzo[b]fluoranthene	7.053	252	620760	2213.346	ng/ml	95
40)	Benzo[k]fluoranthene	7.076	252	525429	1848.805	ng/ml	95
41)	Benzo[a]pyrene	7.330	252	511166	2061.837	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.477	276	499443	2120.229	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.514	278	459312M6	1966.596	ng/ml	
44)	Benzo[g,h,i]perylene	8.788	276	477753	1967.373	ng/ml	99

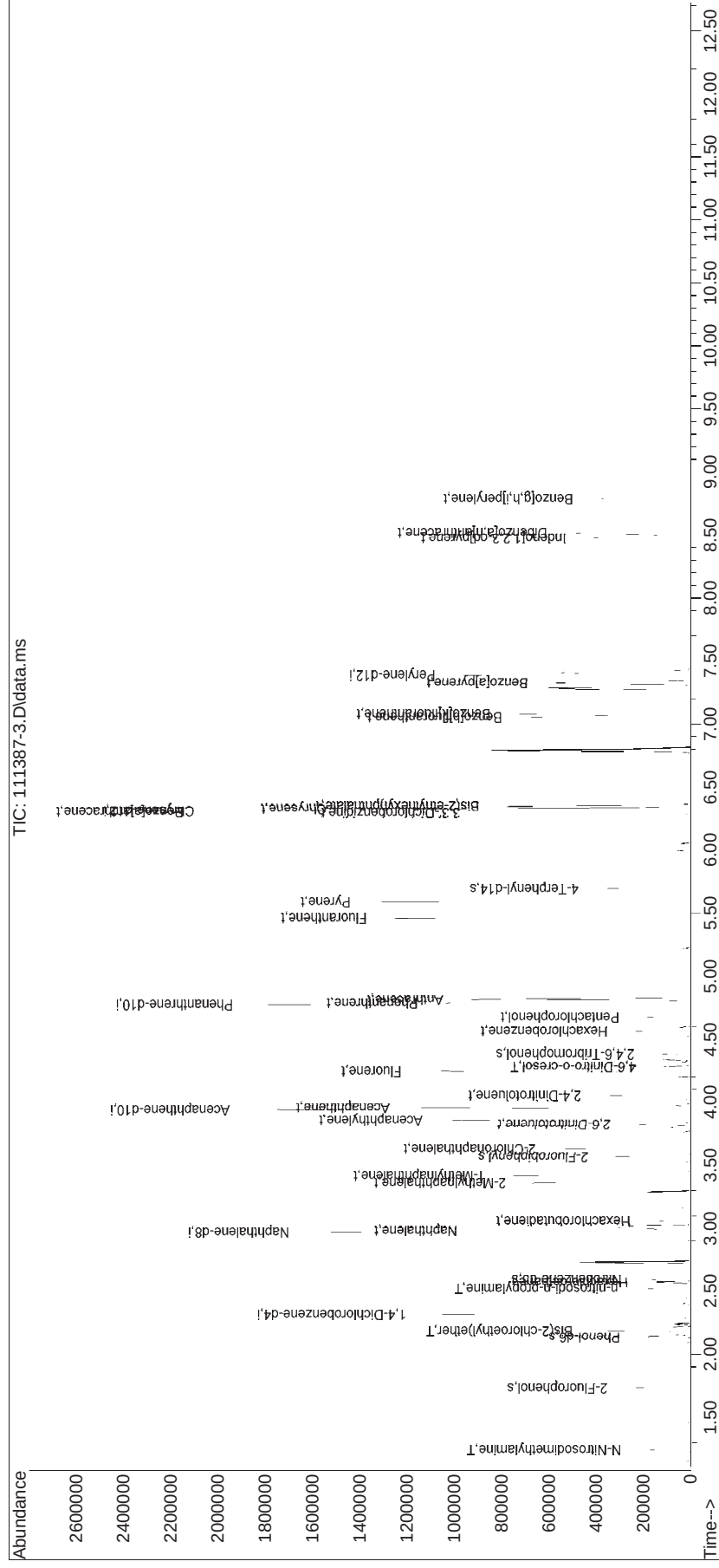
(#) = qualifier out of range (m) = manual integration (+) = signals summed

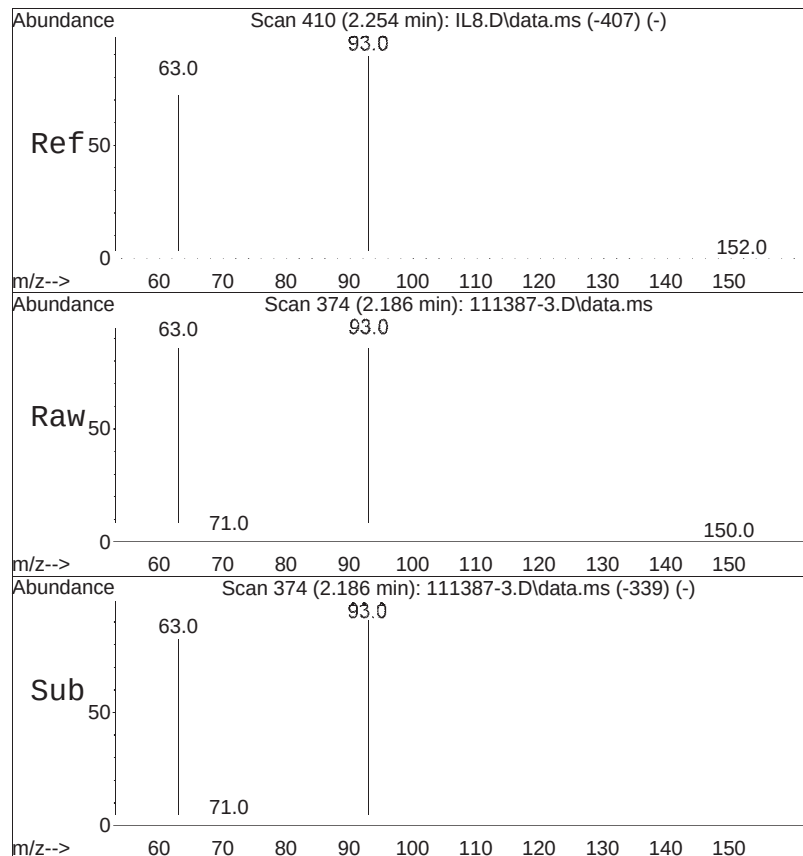
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909RVT\
 Data File : 111387-3.D
 Acq On : 09 Sep 2025 06:25 pm
 Operator : SV125:rp
 Sample : WG2111387-3,32,,dv
 Misc : wg2112407,WG2111387,ical22616
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 10 12:40:49 2025
 Quant Method : I:\8270sim\SV125\250909RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 17:43:19 2025
 Response via : Initial Calibration

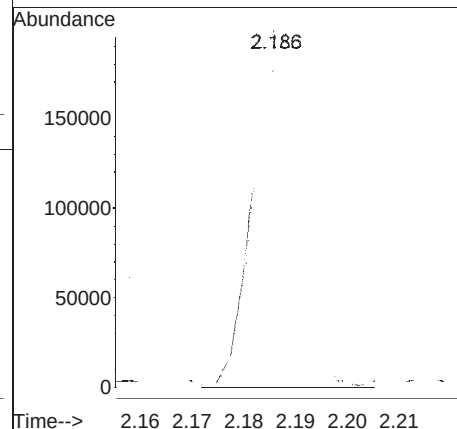
Sub List : DEFAULT - All compounds listed\ccv0909a.D•

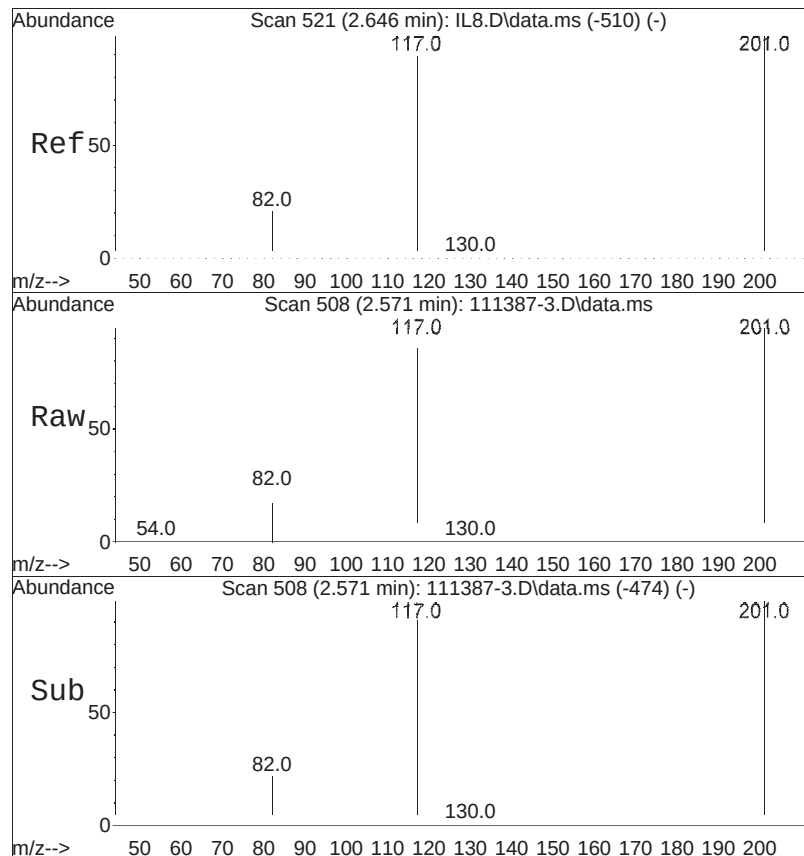




#5
 Bis(2-chloroethyl)ether
 Concen: 1662.01 ng/ml
 RT: 2.186 min Scan# 374
 Delta R.T. 0.016 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

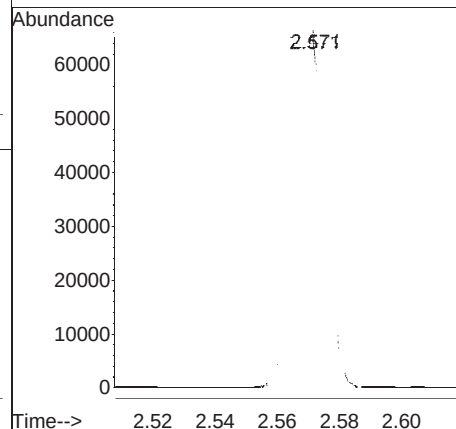
Tgt	Ion	Ratio	Lower	Upper
93	100			
63	87.8	68.6	103.0	

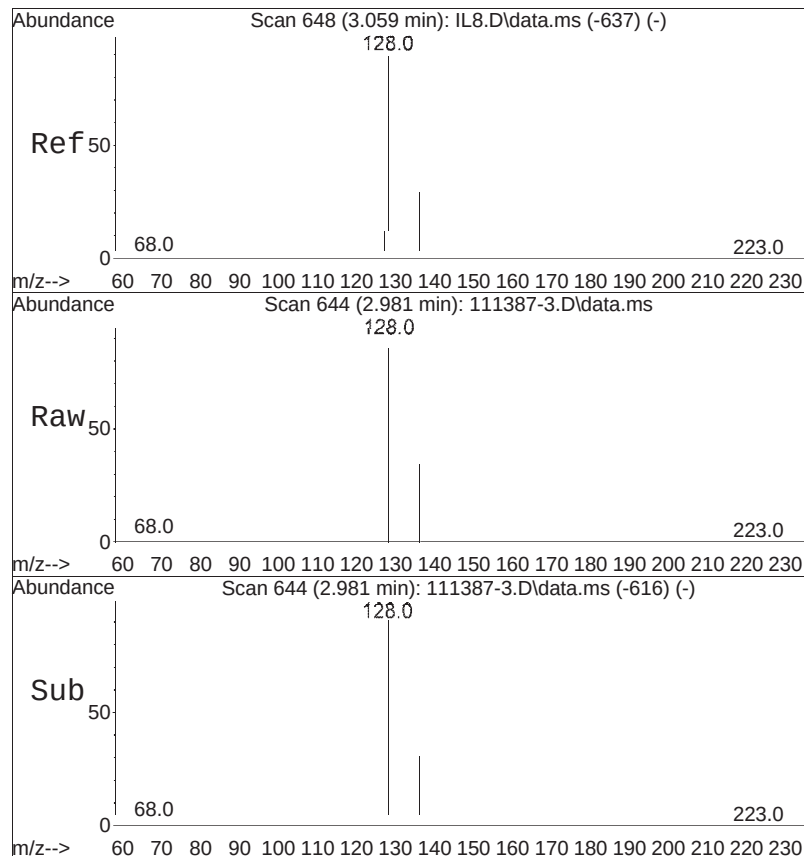




#7
 Hexachloroethane
 Concen: 1295.54 ng/ml
 RT: 2.571 min Scan# 508
 Delta R.T. 0.014 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

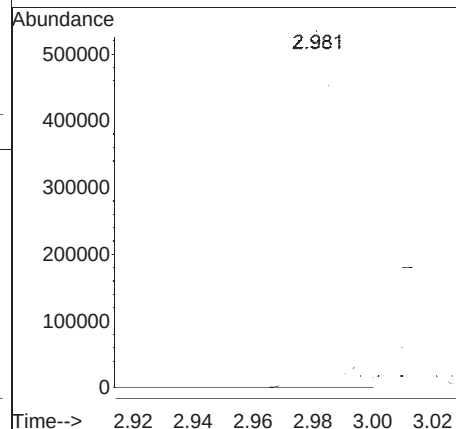
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42992		
201	99.6		80.2	120.2

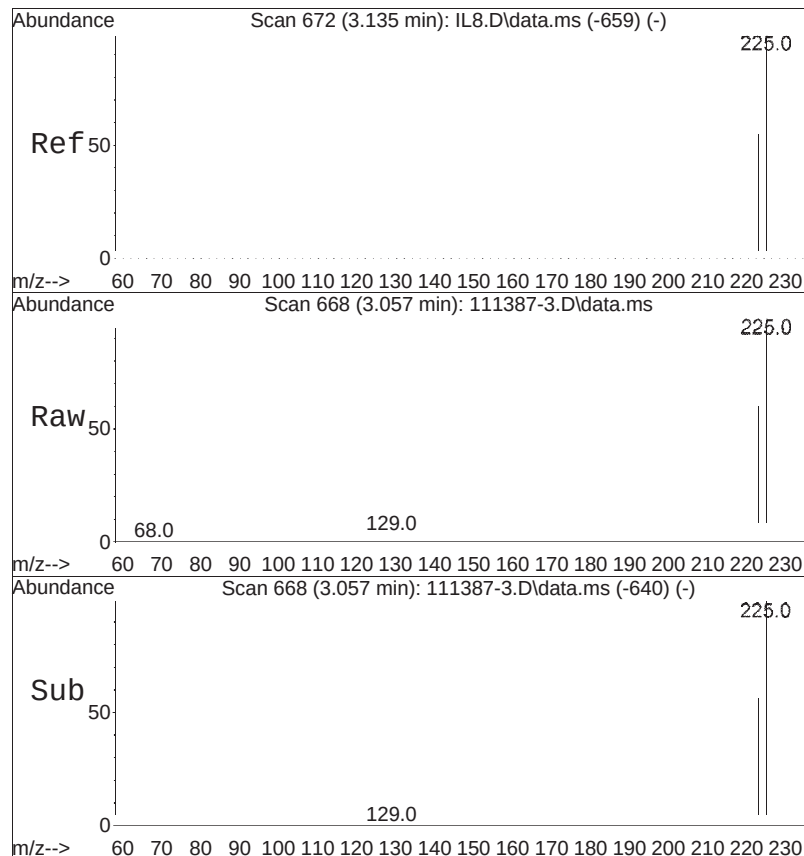




#10
 Naphthalene
 Concen: 1452.17 ng/ml
 RT: 2.981 min Scan# 644
 Delta R.T. 0.009 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

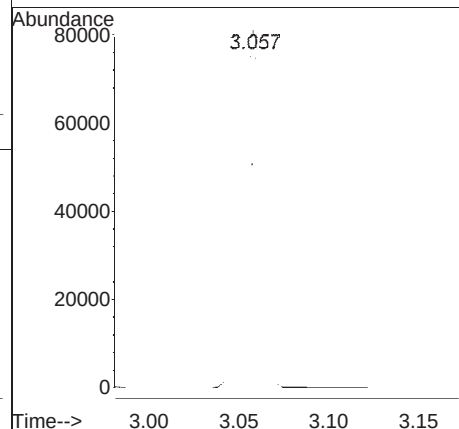
Tgt	Ion	Ratio	Resp	Lower	Upper
128	100		408943		
129	11.3		8.8	13.2	
127	13.3		10.6	15.8	

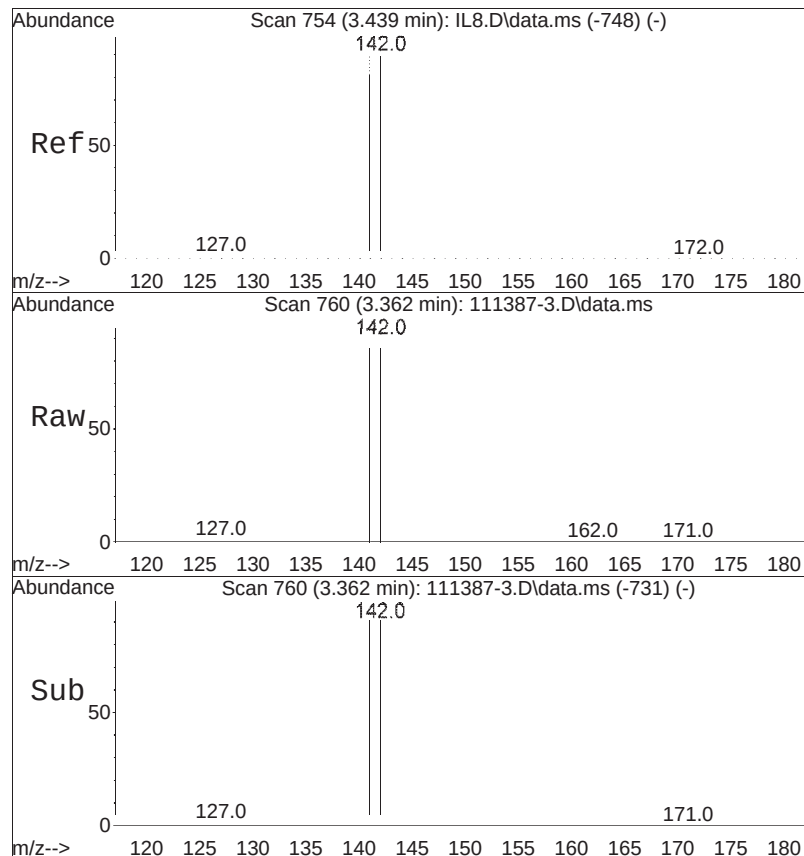




#11
 Hexachlorobutadiene
 Concen: 1273.54 ng/ml
 RT: 3.057 min Scan# 668
 Delta R.T. 0.009 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

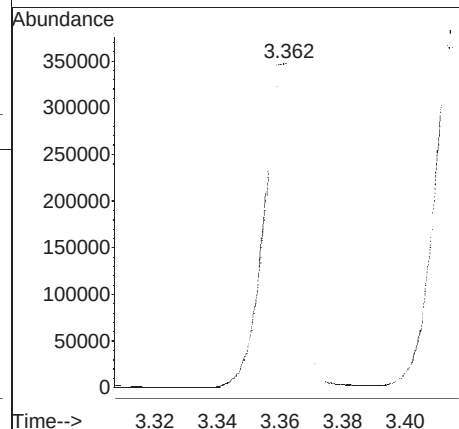
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	75.8

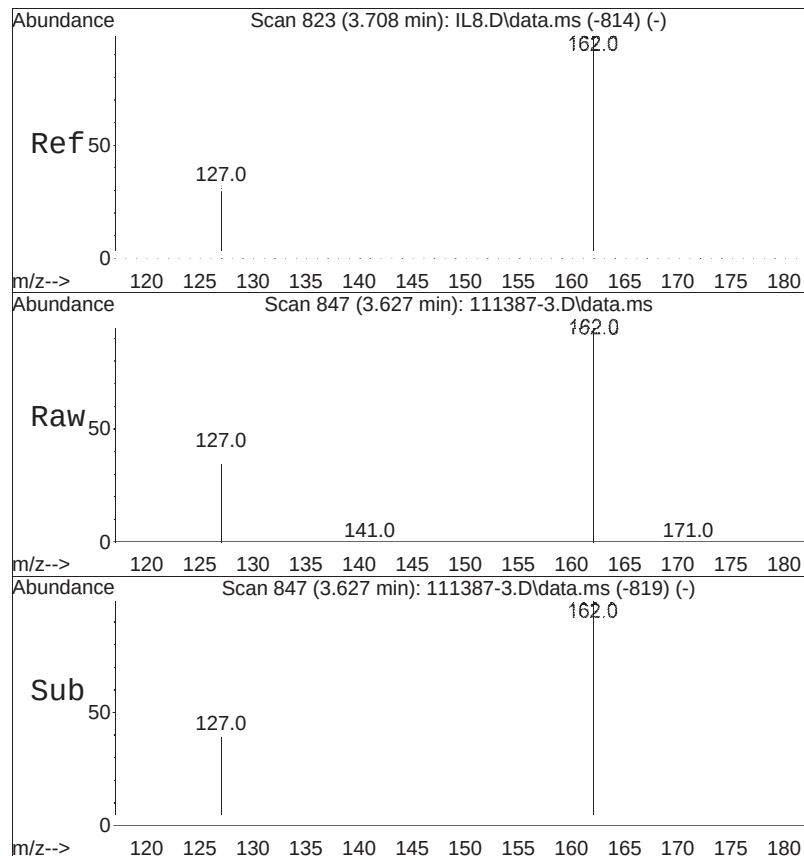




#12
 2-Methylnaphthalene
 Concen: 1608.10 ng/ml
 RT: 3.362 min Scan# 760
 Delta R.T. 0.009 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

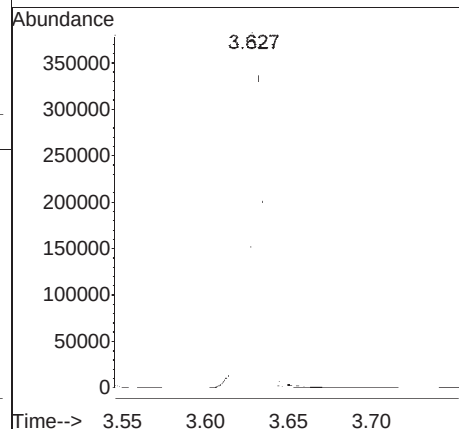
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.2	111.4

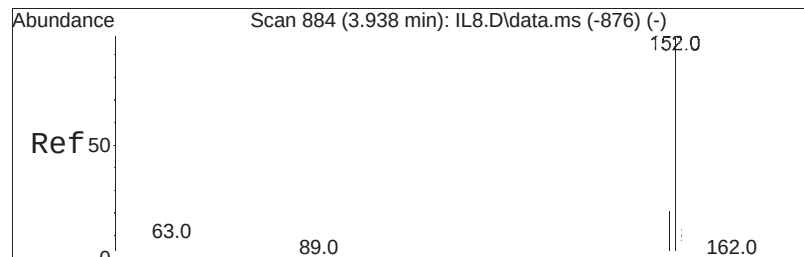




#15
 2-Chloronaphthalene
 Concen: 1595.59 ng/ml
 RT: 3.627 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

Tgt Ion:	162	Resp:	294320
Ion Ratio	Lower	Upper	
162	100		
127	41.6	30.0	45.0





#17

Acenaphthylene

Concen: 1808.87 ng/ml

RT: 3.857 min Scan# 917

Delta R.T. 0.006 min

Lab File: 111387-3.D

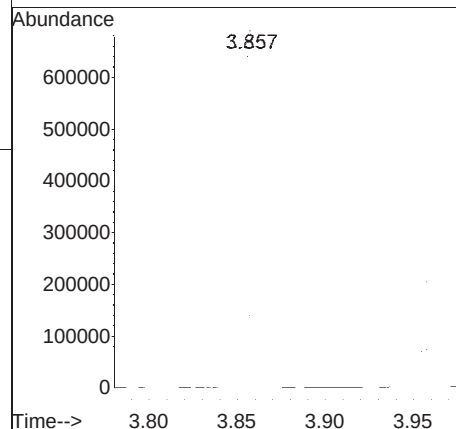
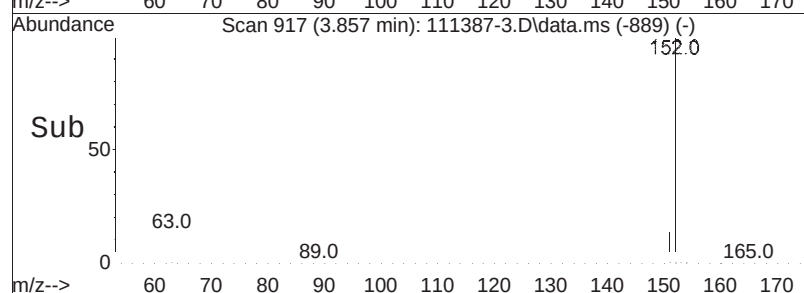
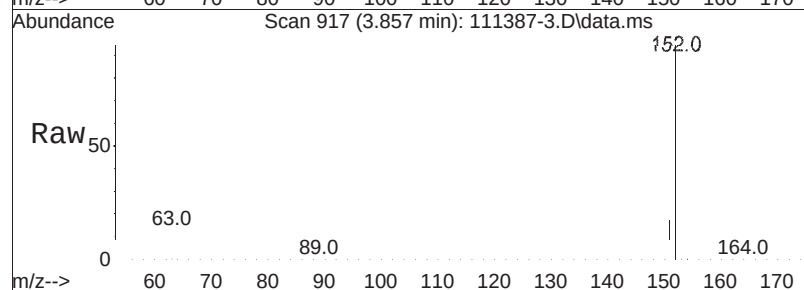
Acq: 09 Sep 2025 06:25 pm

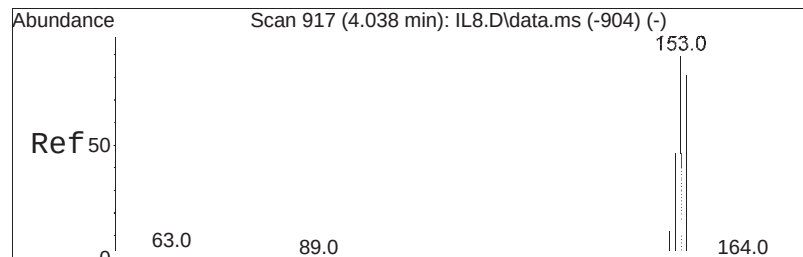
Tgt Ion: 152 Resp: 527525

Ion Ratio Lower Upper

152 100

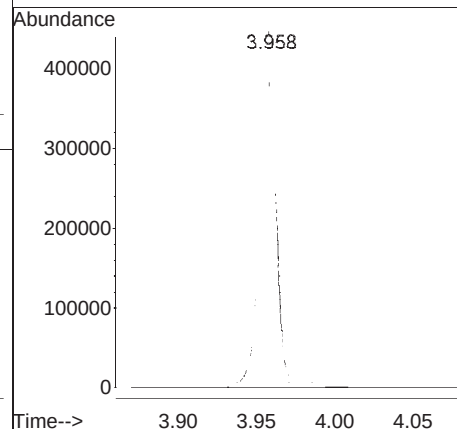
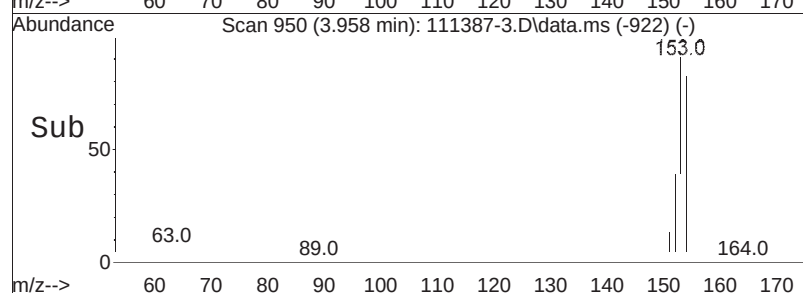
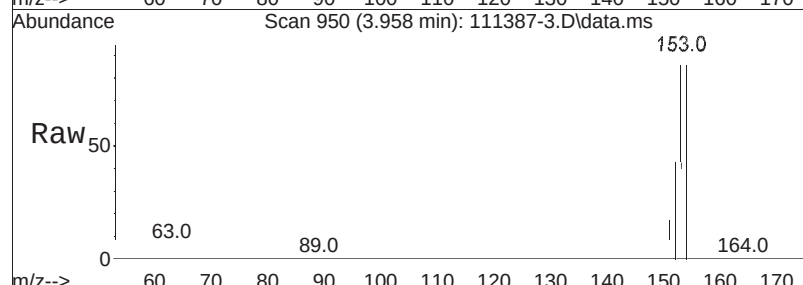
151 20.2 16.1 24.1

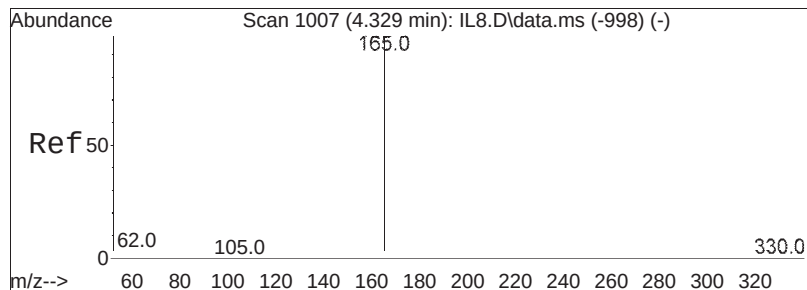




#19
 Acenaphthene
 Concen: 1659.54 ng/ml
 RT: 3.958 min Scan# 950
 Delta R.T. 0.006 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

Tgt Ion	Ratio	Lower	Upper
153	100		
154	87.1	72.2	108.4





#21

Fluorene

Concen: 1788.63 ng/ml

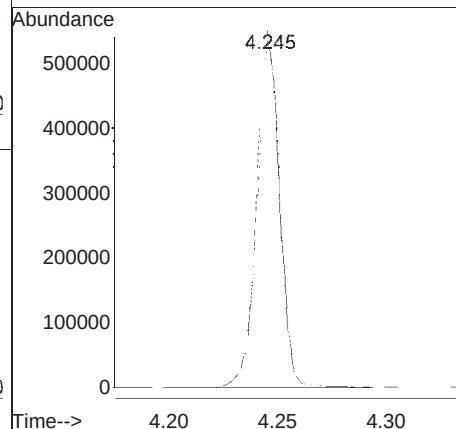
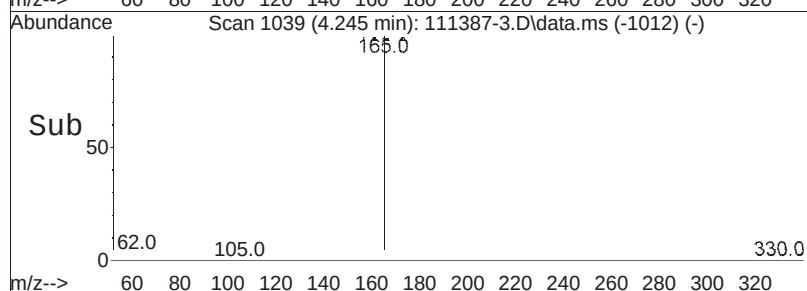
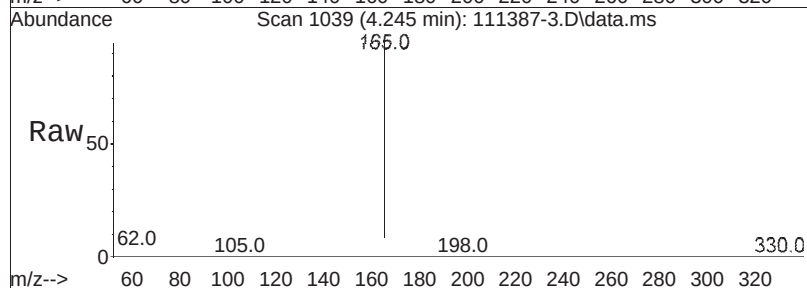
RT: 4.245 min Scan# 1039

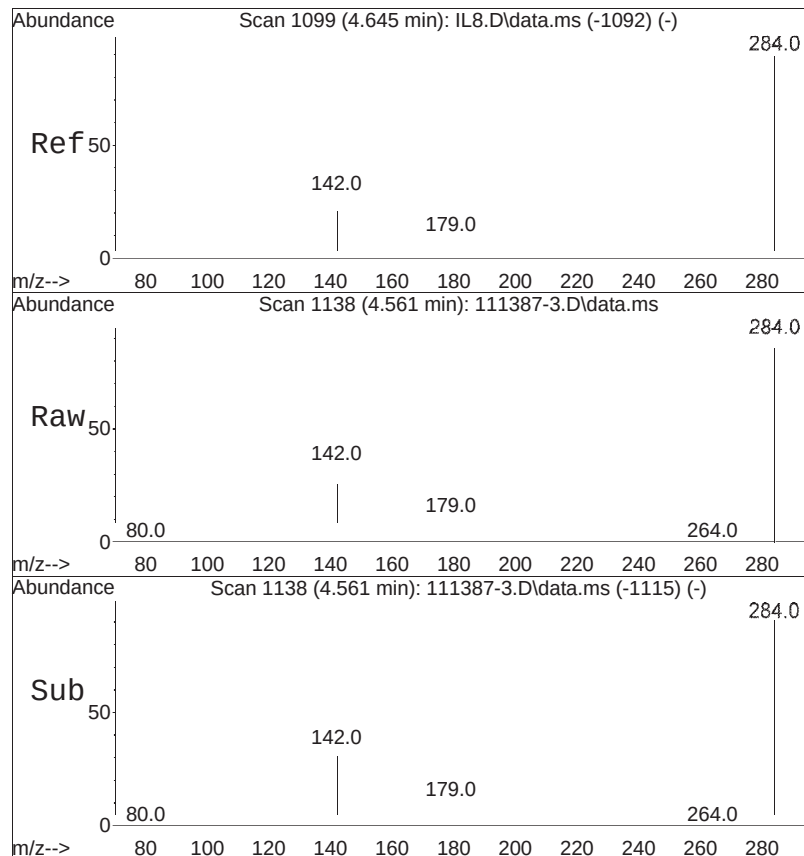
Delta R.T. 0.003 min

Lab File: 111387-3.D

Acq: 09 Sep 2025 06:25 pm

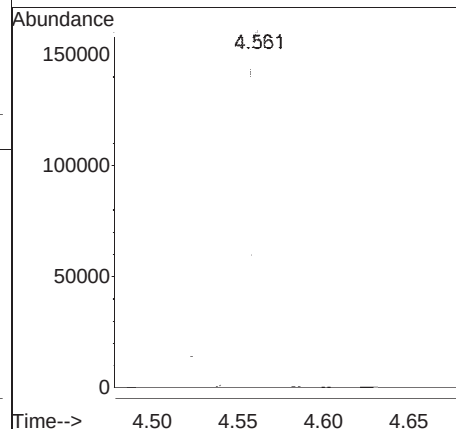
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.2	81.5	122.3

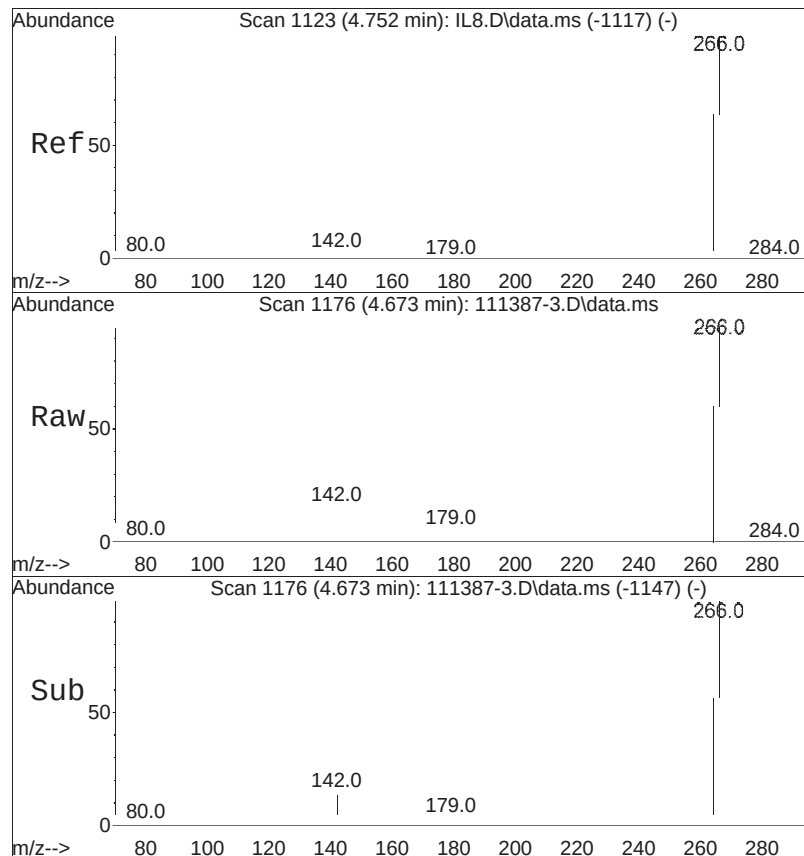




#25
 Hexachlorobenzene
 Concen: 1823.30 ng/ml
 RT: 4.561 min Scan# 1138
 Delta R.T. 0.003 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

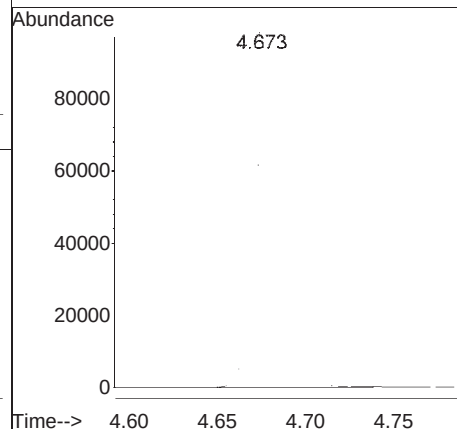
Tgt	Ion	Ratio	Lower	Upper
284	100			
142	36.2	29.4	44.2	

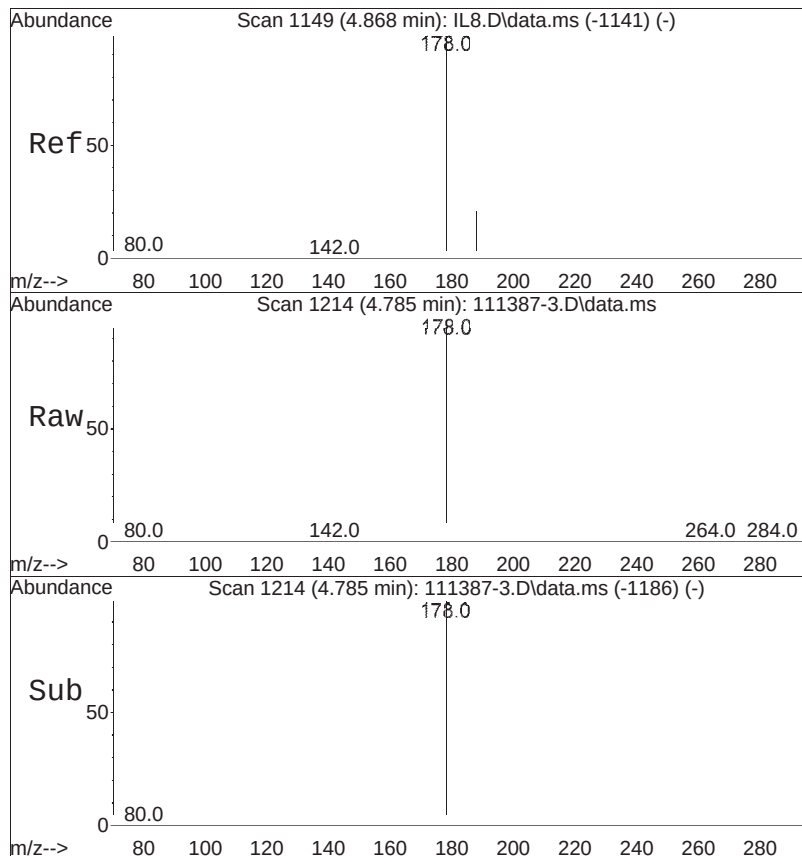




#26
 Pentachlorophenol
 Concen: 2713.36 ng/ml
 RT: 4.673 min Scan# 1176
 Delta R.T. 0.006 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

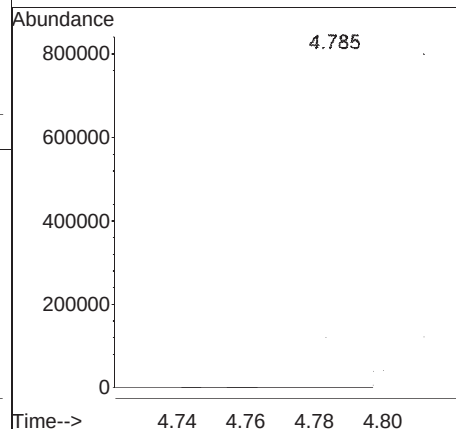
Tgt Ion:	266	Resp:	73773
Ion Ratio	Lower	Upper	
266	100		
264	63.4	49.9	74.9

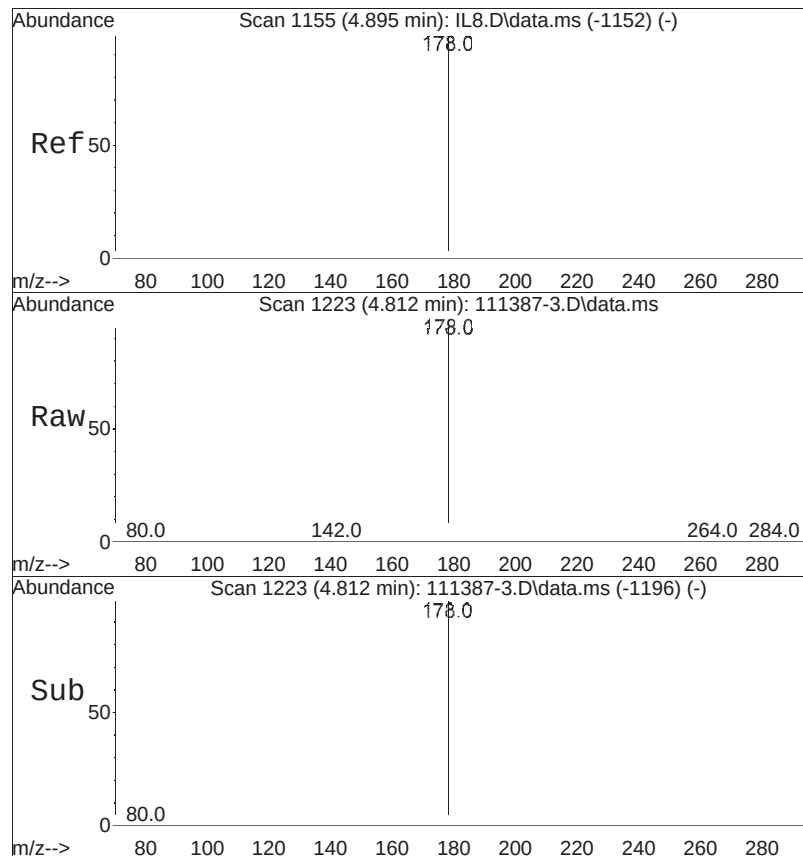




#27
 Phenanthrene
 Concen: 1760.05 ng/ml
 RT: 4.785 min Scan# 1214
 Delta R.T. 0.003 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

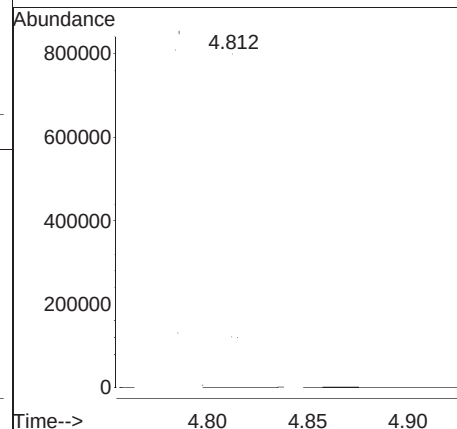
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.5	18.7

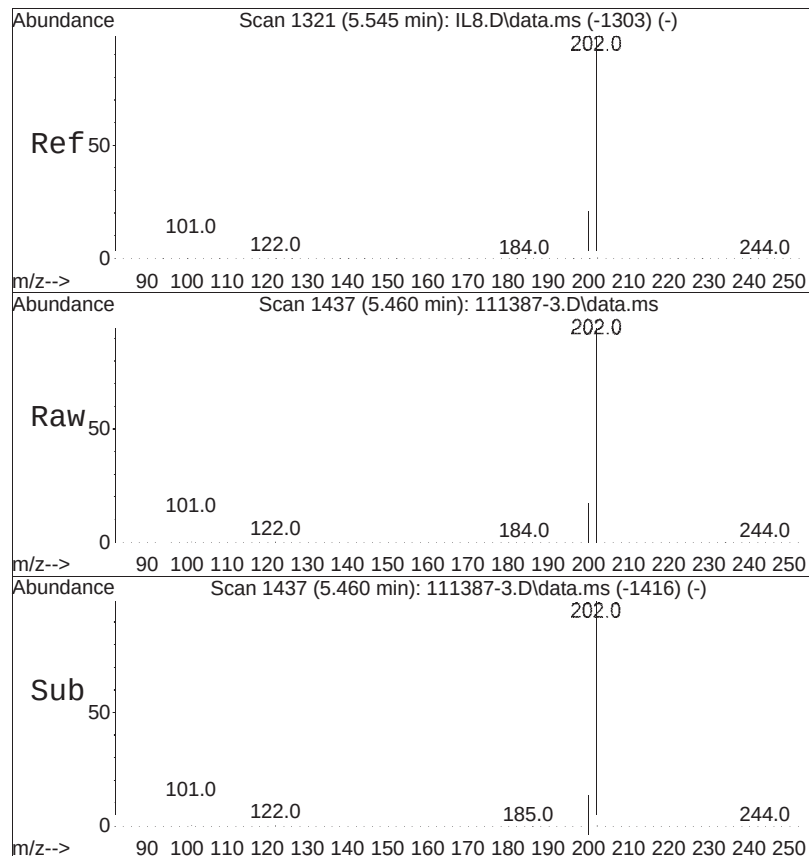




#28
 Anthracene
 Concen: 1890.13 ng/ml
 RT: 4.812 min Scan# 1223
 Delta R.T. -0.000 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

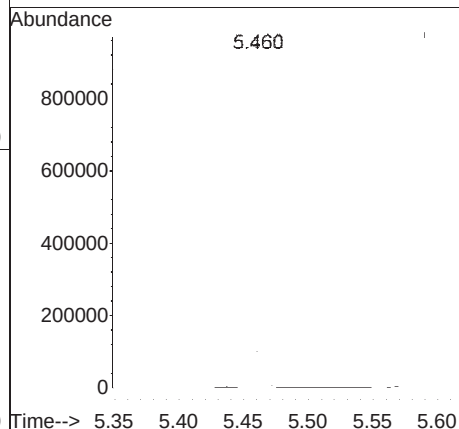
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

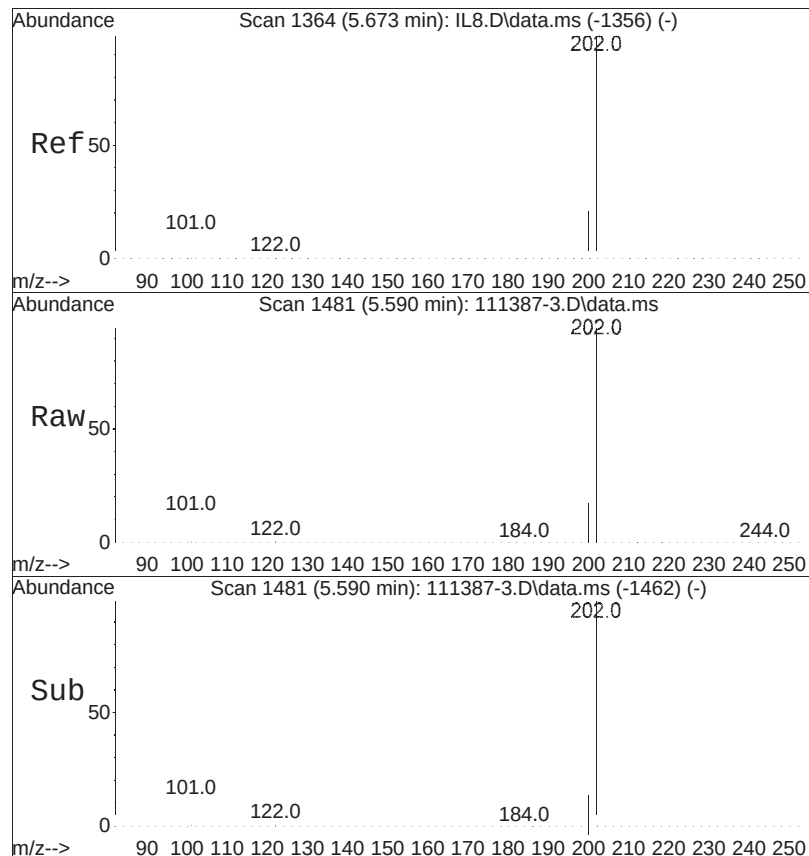




#29
 Fluoranthene
 Concen: 1927.75 ng/ml
 RT: 5.460 min Scan# 1437
 Delta R.T. -0.018 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

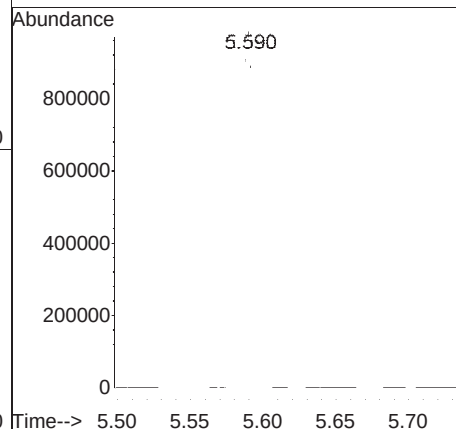
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	10.5	8.3	12.5	

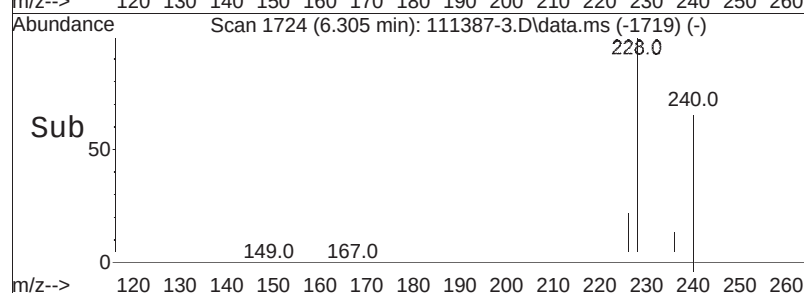
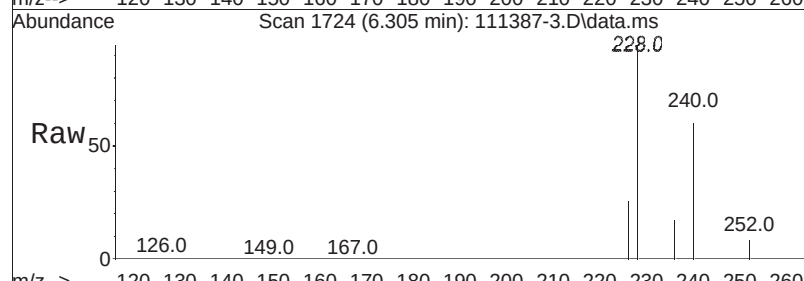
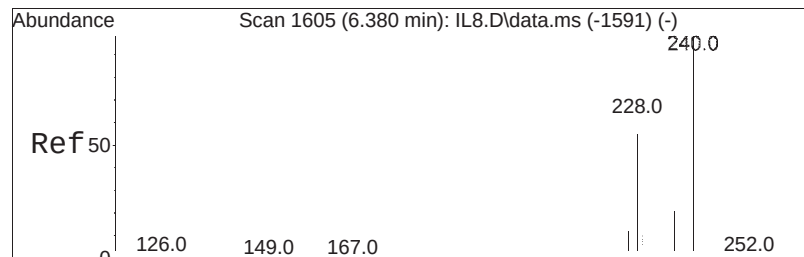




#30
 Pyrene
 Concen: 1892.82 ng/ml
 RT: 5.590 min Scan# 1481
 Delta R.T. -0.024 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

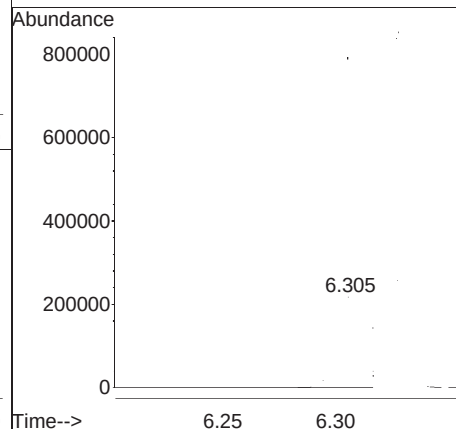
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2

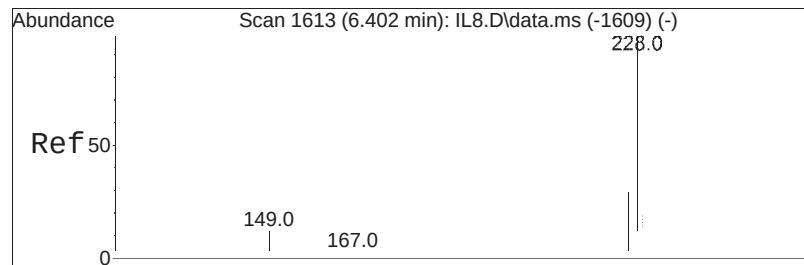




#34
 Benzo[a]anthracene
 Concen: 1944.47 ng/ml
 RT: 6.305 min Scan# 1724
 Delta R.T. -0.066 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

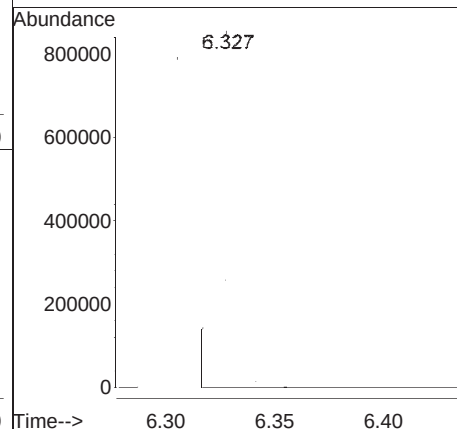
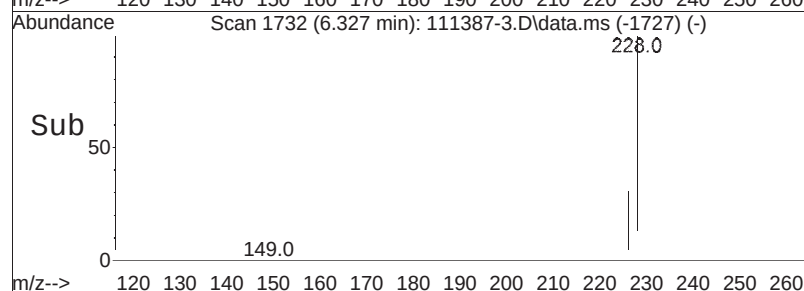
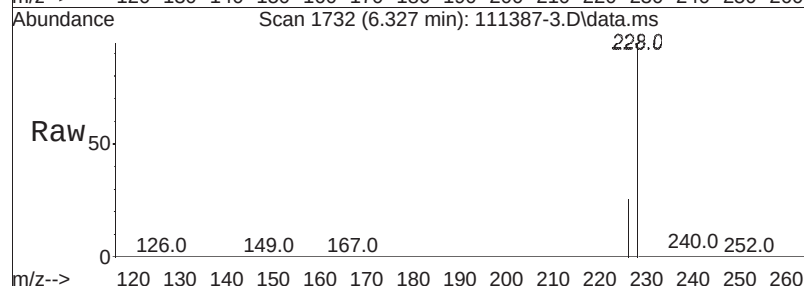
Tgt	Ion:226	Resp:	178936
Ion	Ratio	Lower	Upper
226	100		
229	70.4	56.4	84.6
228	357.9	287.5	431.3
229	70.4	56.4	84.6

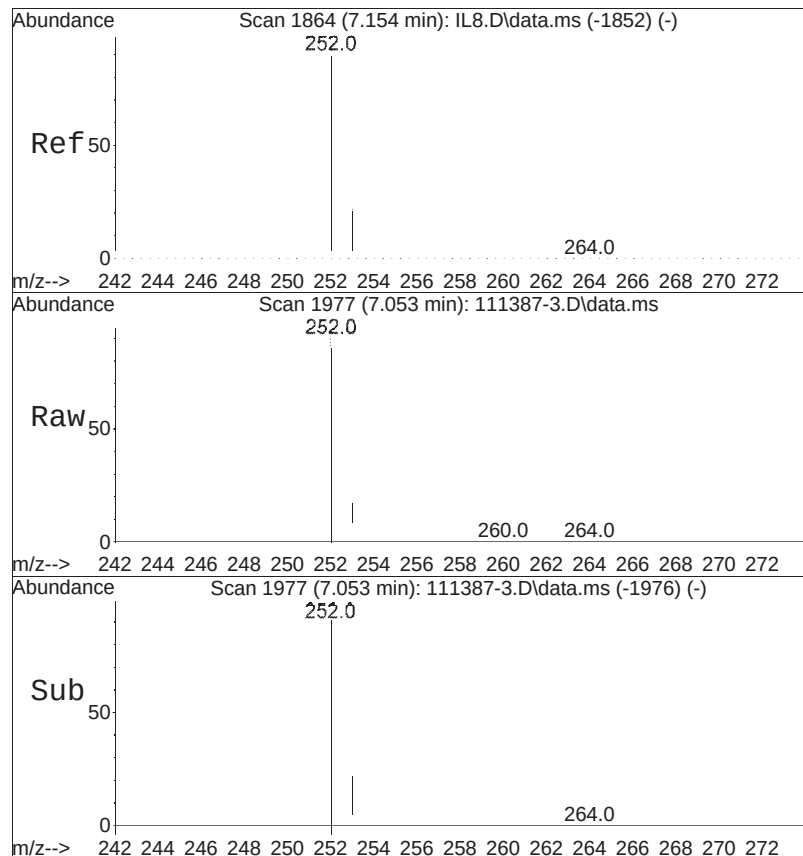




#36
 Chrysene
 Concen: 1924.91 ng/ml
 RT: 6.327 min Scan# 1732
 Delta R.T. -0.066 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

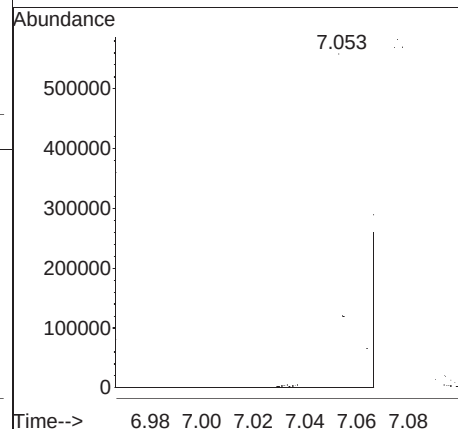
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5

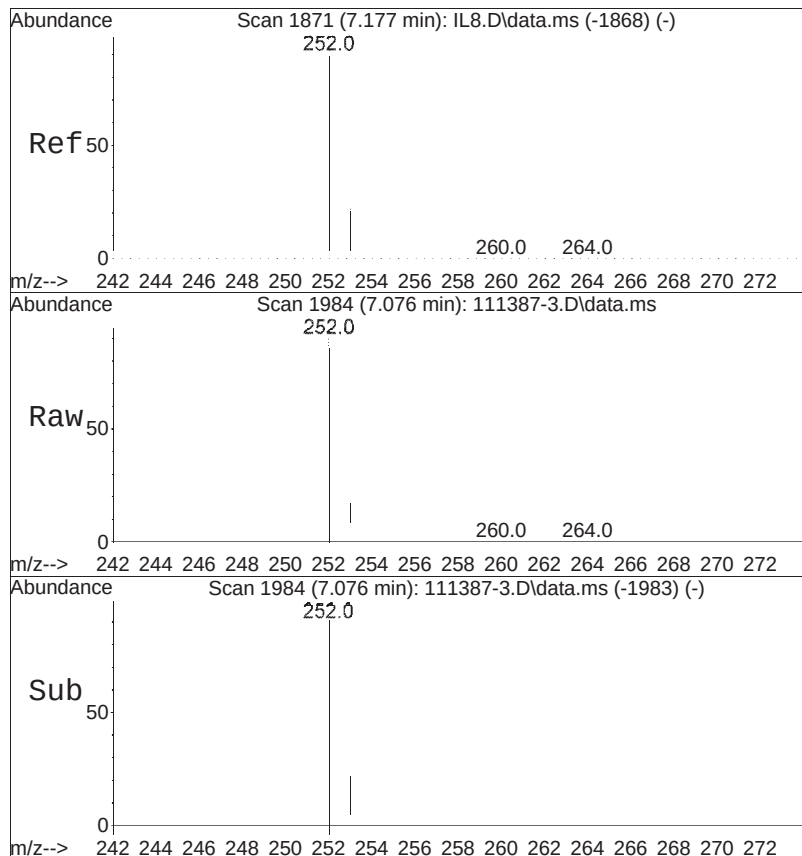




#39
 Benzo[b]fluoranthene
 Concen: 2213.35 ng/ml
 RT: 7.053 min Scan# 1977
 Delta R.T. -0.077 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

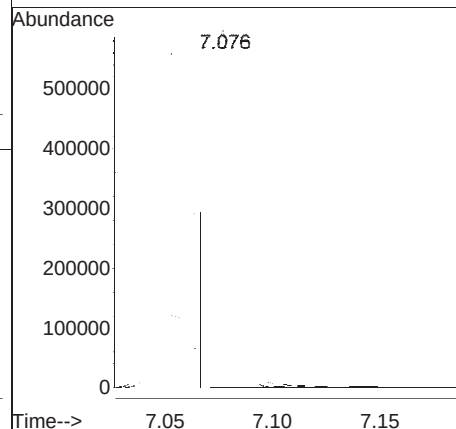
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.7	19.2	28.8	

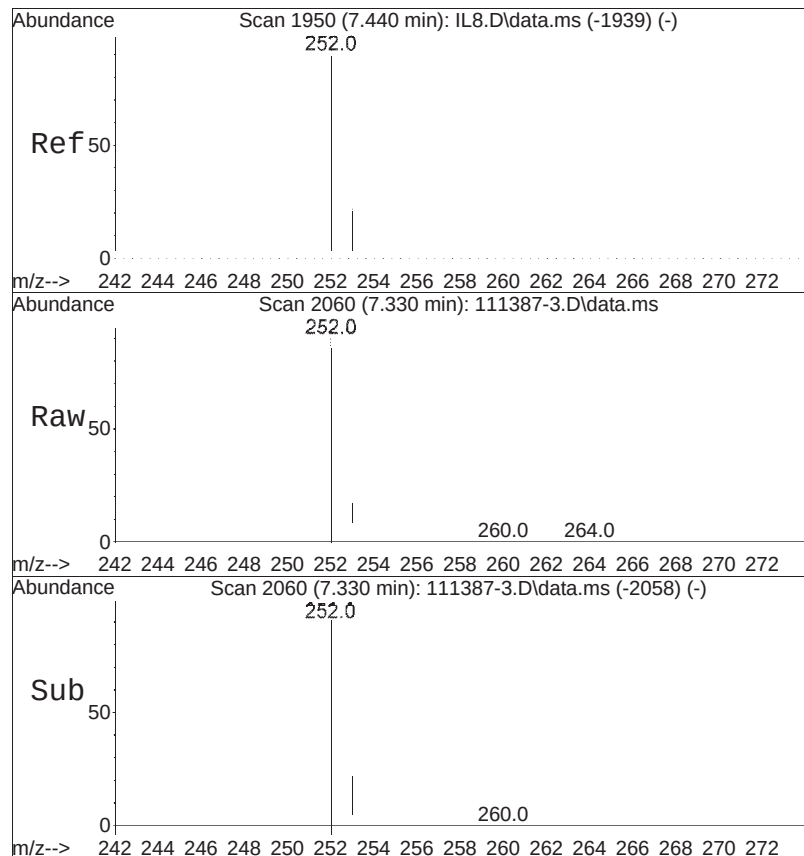




#40
 Benzo[k]fluoranthene
 Concen: 1848.80 ng/ml
 RT: 7.076 min Scan# 1984
 Delta R.T. -0.077 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

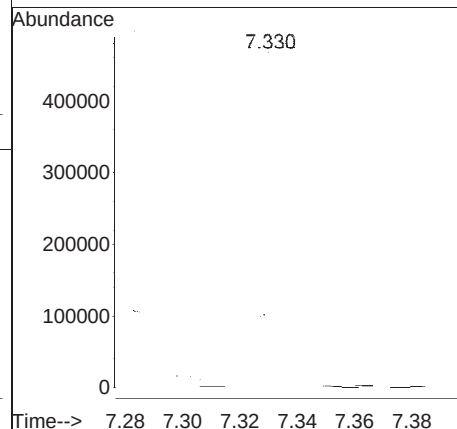
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.2	15.8	23.8	

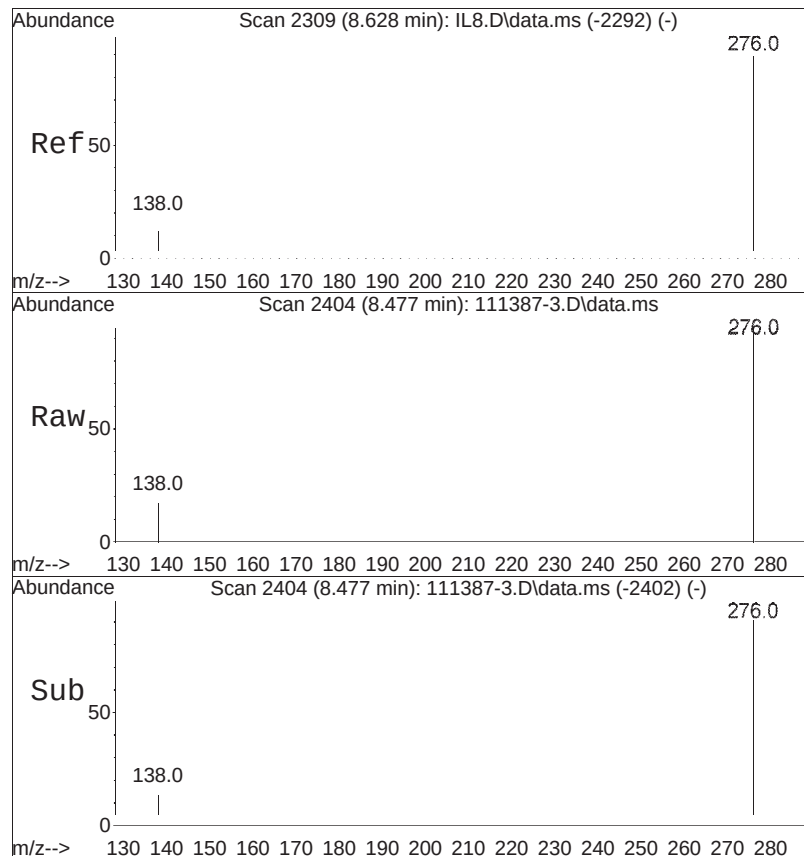




#41
 Benzo[a]pyrene
 Concen: 2061.84 ng/ml
 RT: 7.330 min Scan# 2060
 Delta R.T. -0.074 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

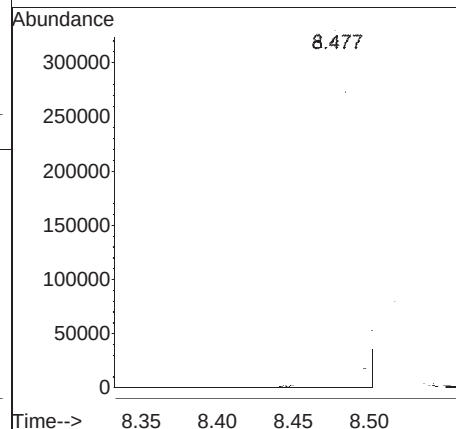
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

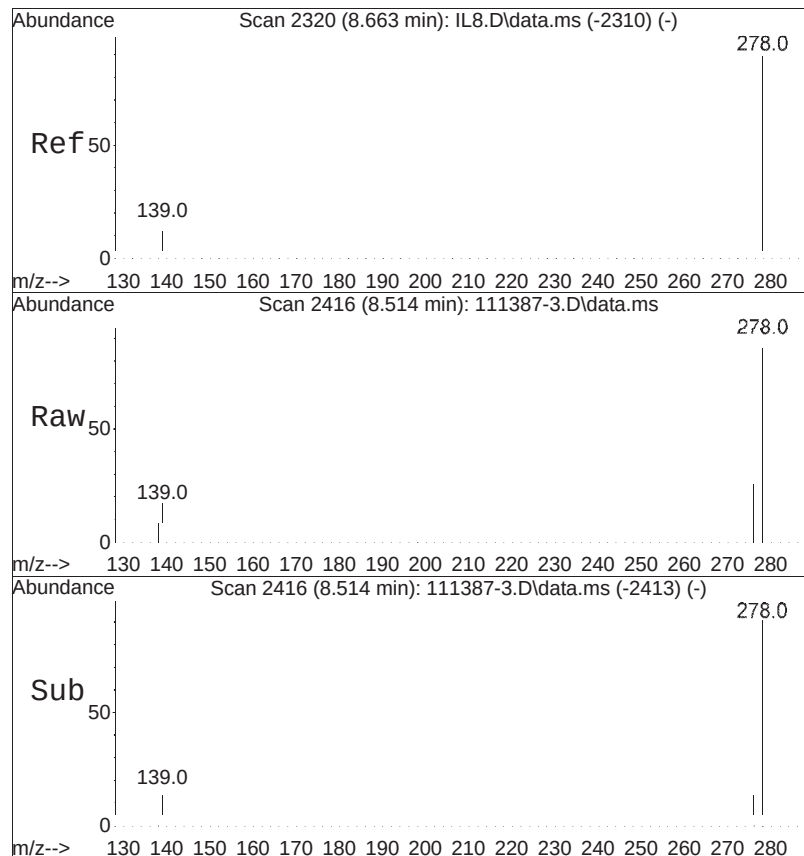




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 2120.23 ng/ml
 RT: 8.477 min Scan# 2404
 Delta R.T. -0.072 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

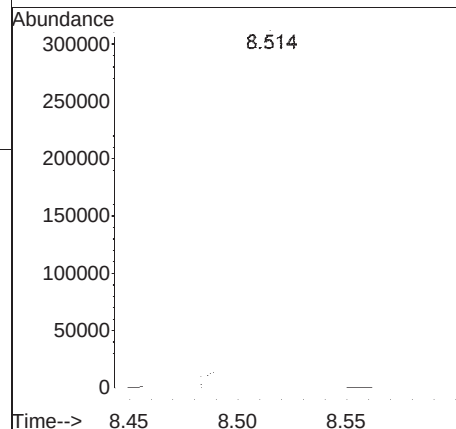
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	15.9	23.9

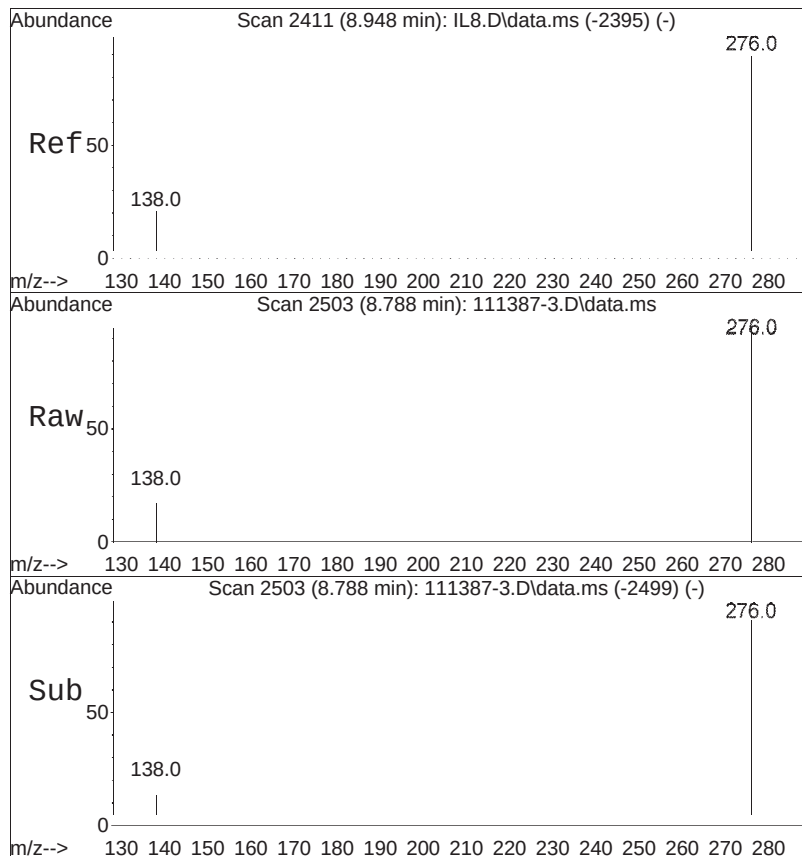




#43
 Dibenzo[a,h]anthracene
 Concen: 1966.60 ng/ml M6
 RT: 8.514 min Scan# 2416
 Delta R.T. -0.069 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

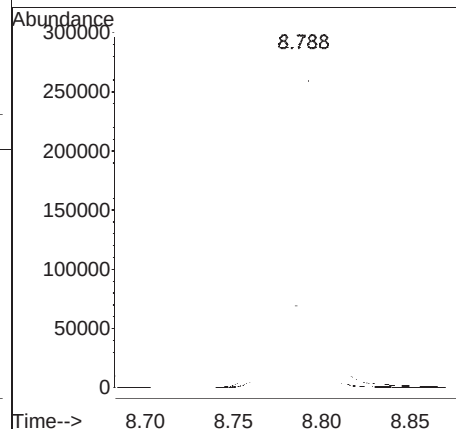
Tgt Ion:	278	Resp:	459312
Ion Ratio	Lower	Upper	
278	100		
139	17.8	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1967.37 ng/ml
 RT: 8.788 min Scan# 2503
 Delta R.T. -0.066 min
 Lab File: 111387-3.D
 Acq: 09 Sep 2025 06:25 pm

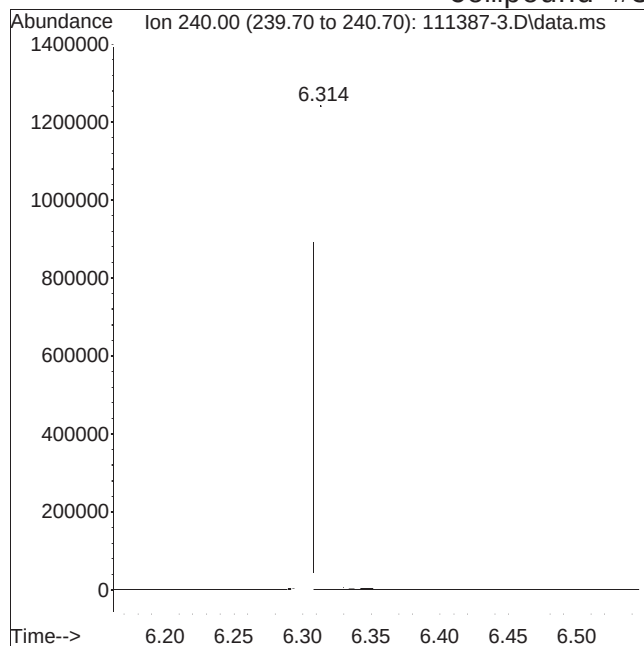
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.1	27.1



Manual Integration Report

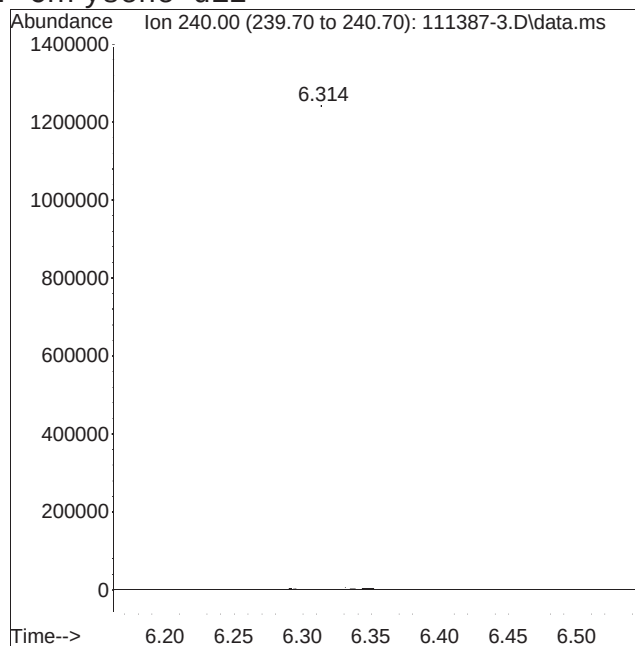
Data Path : I:\8270SIM\SV125\250909RVT\
Data File : 111387-3.D Operator : SV125:rp
Date Inj'd : 9/9/2025 6:25 pm Instrument : SV125
Sample : WG2111387-3,32,,dv Quant Date : 9/9/2025 6:42 pm

Compound #33: Chrysene-d12



Original Peak Response = 669591

M4 = Poor automated baseline construction.



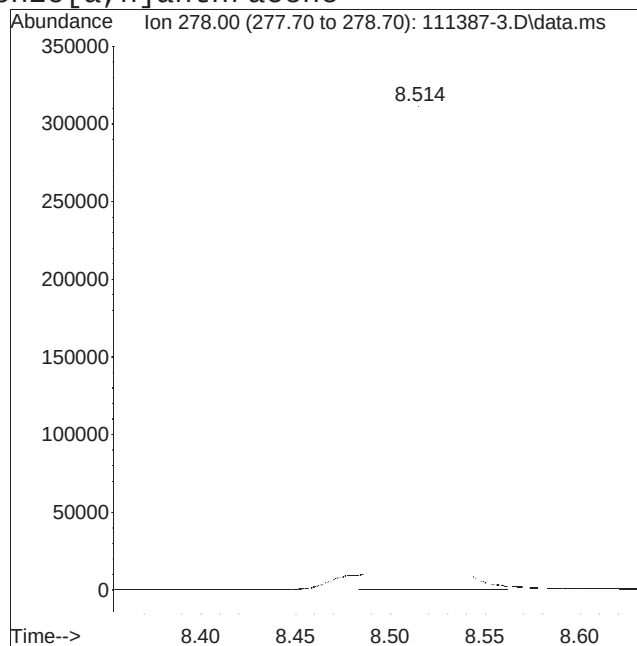
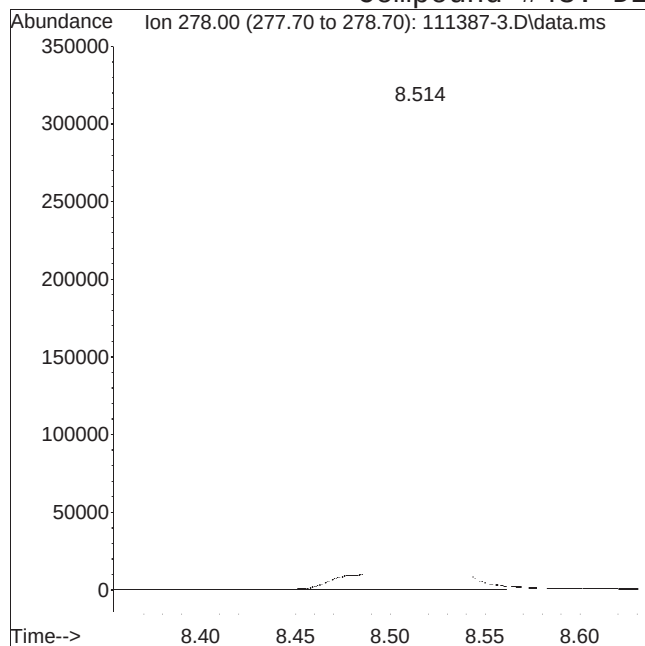
Manual Peak Response = 956820 M4

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01
Data File : 111387-3.D
Date Inj'd : 9/9/2025 6:25 pm
Sample : WG2111387-3,32,,dv

Method : SIM-RVT_250908_sv125.M
Operator : SV125:rp
Instrument : SV125
Quant Date : 9/9/2025 6:42 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 469921

Manual Peak Response = 459312 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 111387-4.D
 Acq On : 09 Sep 2025 11:30 pm
 Operator : SV125:dv
 Sample : WG2111387-4,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 19:40:12 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	297045	4000.000	ng/ml	0.00
Standard Area 1 = 283010			Recovery	=	104.96%	
9) Naphthalene-d8	2.968	136	1185757	4000.000	ng/ml	0.00
Standard Area 1 = 1111417			Recovery	=	106.69%	
18) Acenaphthene-d10	3.936	164	673703	4000.000	ng/ml	0.00
Standard Area 1 = 629089			Recovery	=	107.09%	
23) Phenanthrene-d10	4.770	188	1300626	4000.000	ng/ml	0.00
Standard Area 1 = 1261937			Recovery	=	103.07%	
33) Chrysene-d12	6.305	240	1045661	4000.000	ng/ml	0.00
Standard Area 1 = 1059001			Recovery	=	98.74%	
38) Perylene-d12	7.376	264	1004447	4000.000	ng/ml	0.00
Standard Area 1 = 1011246			Recovery	=	99.33%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	95272	1298.841	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	64.94%	
4) Phenol-d6	2.136	99	89317	985.618	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	49.28%	
8) Nitrobenzene-d5	2.591	82	63802	881.677	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	88.17%	
14) 2-Fluorobiphenyl	3.566	172	178962	739.550	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	73.95%	
22) 2,4,6-Tribromophenol	4.379	330	46242	1846.196	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	92.31%	
32) 4-Terphenyl-d14	5.687	244	194920	747.816	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	74.78%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	2.183	93	128353	1570.920	ng/ml	98
7) Hexachloroethane	2.568	117	45355	1216.913	ng/ml	98
10) Naphthalene	2.981	128	425199	1356.070	ng/ml	100
11) Hexachlorobutadiene	3.054	225	61306	1180.160	ng/ml	100
12) 2-Methylnaphthalene	3.359	142	275661	1506.338	ng/ml	99
15) 2-Chloronaphthalene	3.627	162	303443	1477.459	ng/ml	93
17) Acenaphthylene	3.857	152	522334	1608.607	ng/ml	100
19) Acenaphthene	3.955	153	327792	1521.896	ng/ml	96
21) Fluorene	4.242	166	383383	1589.560	ng/ml	100
25) Hexachlorobenzene	4.558	284	109657	1552.882	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 111387-4.D
 Acq On : 09 Sep 2025 11:30 pm
 Operator : SV125:dv
 Sample : WG2111387-4,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 19:40:12 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	4.670	266	68450	2377.297	ng/ml	99
27)	Phenanthrene	4.782	178	568339	1529.853	ng/ml	100
28)	Anthracene	4.809	178	568474	1604.035	ng/ml	100
29)	Fluoranthene	5.457	202	649549	1616.777	ng/ml	99
30)	Pyrene	5.584	202	652941	1583.458	ng/ml	100
34)	Benzo[a]anthracene	6.300	226	167946	1669.696	ng/ml	99
36)	Chrysene	6.322	228	540751	1628.508	ng/ml	100
39)	Benzo[b]fluoranthene	7.047	252	541947	1705.577	ng/ml	95
40)	Benzo[k]fluoranthene	7.070	252	539004	1674.010	ng/ml	95
41)	Benzo[a]pyrene	7.320	252	489330	1742.140	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.468	276	478310	1792.237	ng/ml	97
43)	Dibenzo[a,h]anthracene	8.502	278	441235M6	1667.501	ng/ml	
44)	Benzo[g,h,i]perylene	8.776	276	463855	1685.988	ng/ml	99

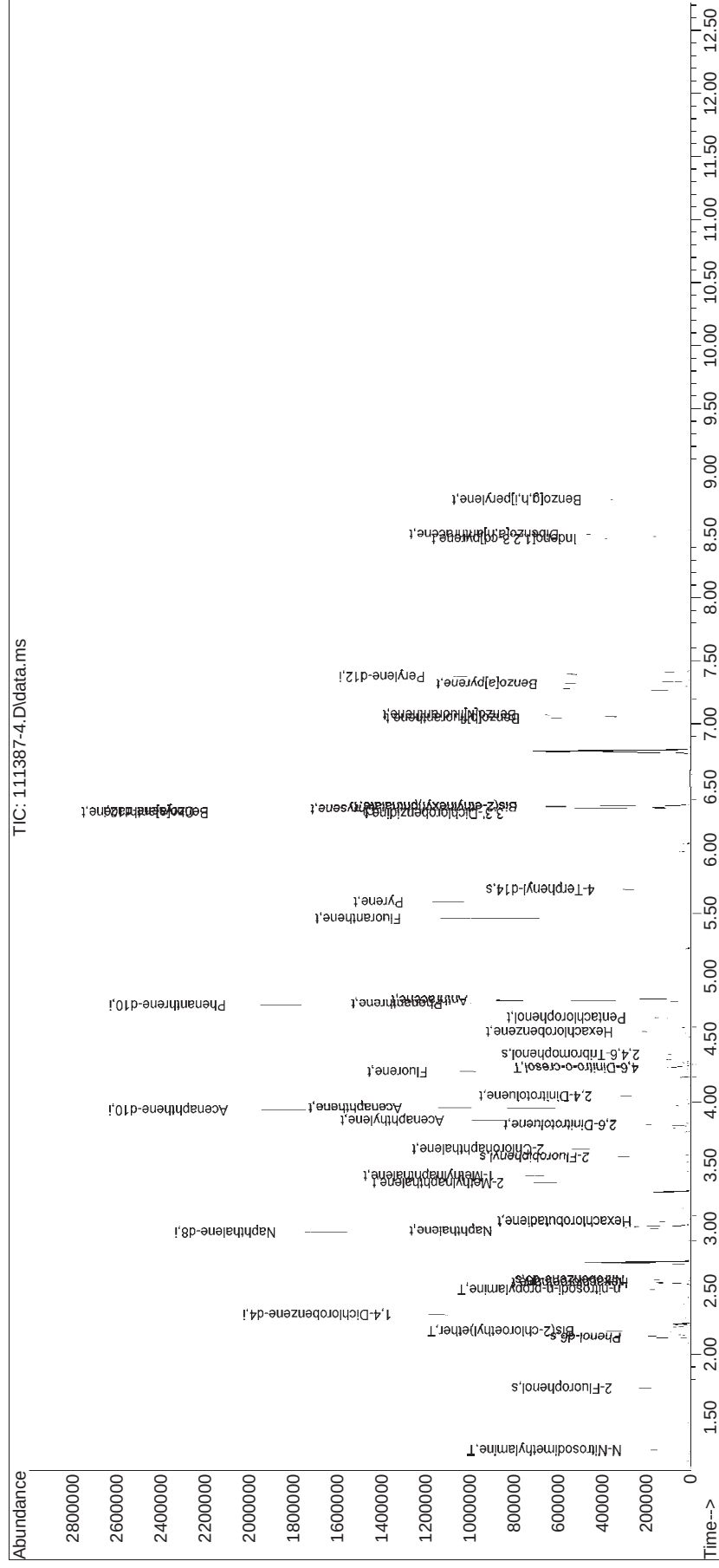
(#) = qualifier out of range (m) = manual integration (+) = signals summed

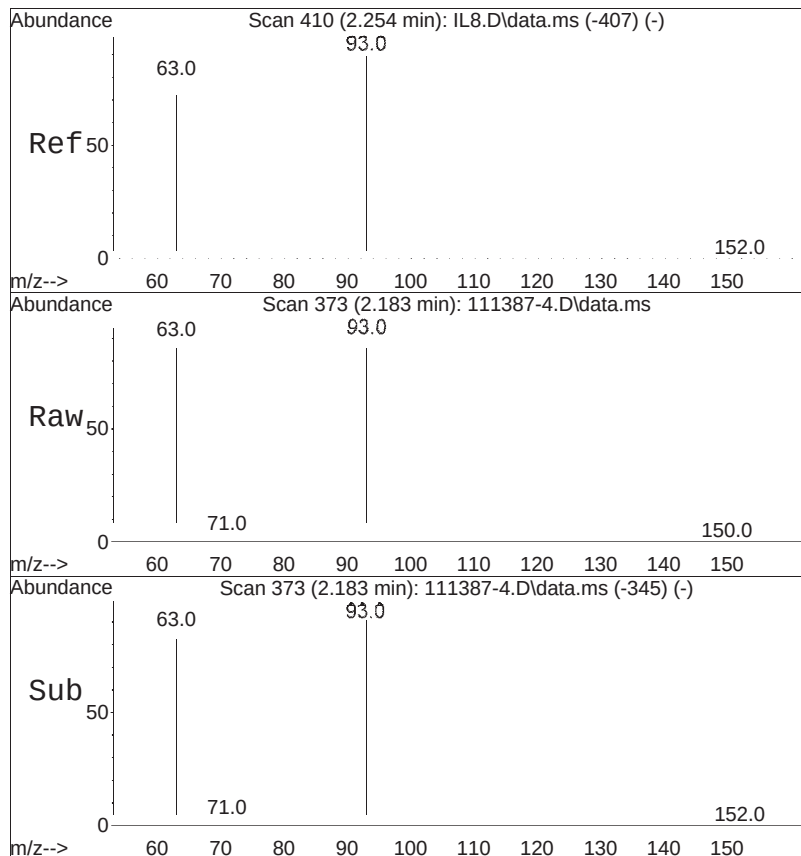
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 111387-4.D
 Acq On : 09 Sep 2025 11:30 pm
 Operator : SV125:dv
 Sample : WG2111387-4,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 19:40:12 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

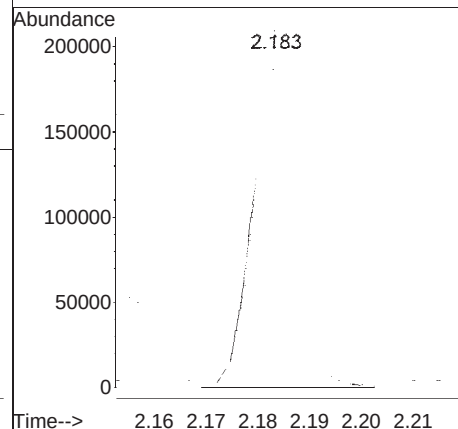
Sub List : DEFAULT - All compounds listedT\ccv0909n.D•

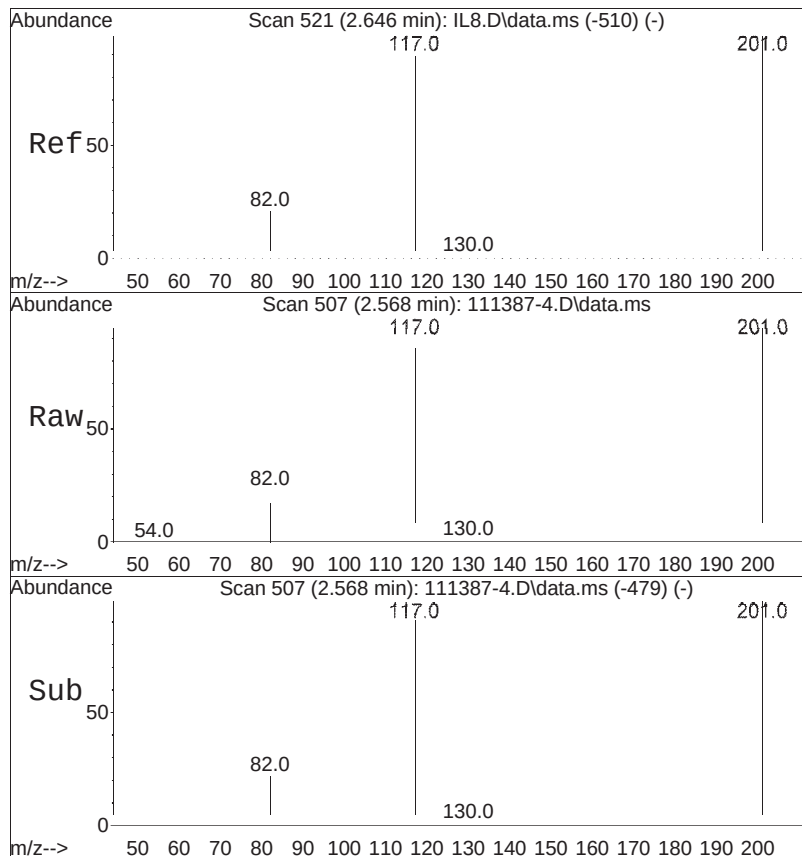




#5
 Bis(2-chloroethyl)ether
 Concen: 1570.92 ng/ml
 RT: 2.183 min Scan# 373
 Delta R.T. -0.003 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

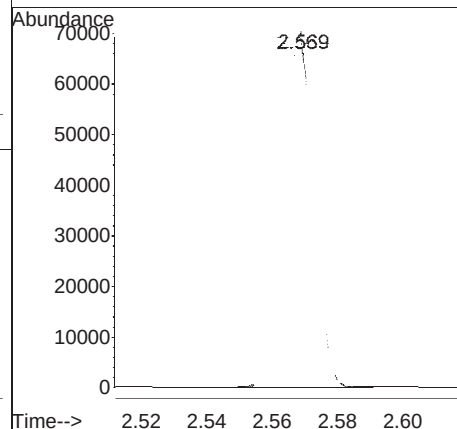
Tgt	Ion	Ratio	Lower	Upper
93	100			
63	87.6	68.6	103.0	

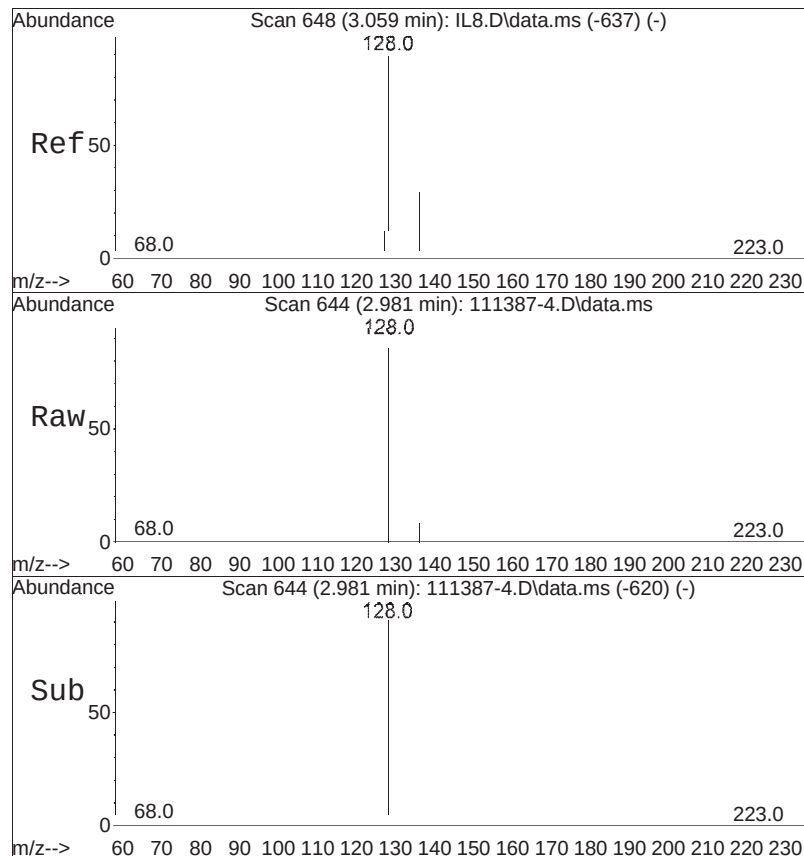




#7
 Hexachloroethane
 Concen: 1216.91 ng/ml
 RT: 2.568 min Scan# 507
 Delta R.T. -0.003 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

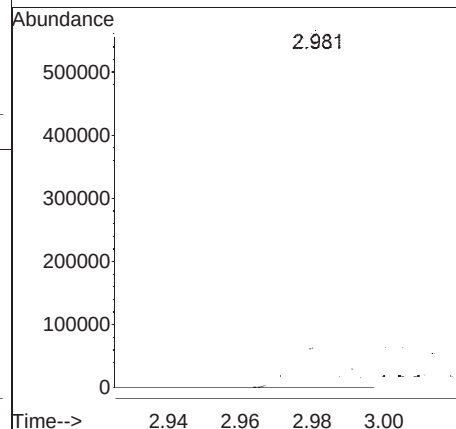
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45355		
201	98.5		80.2	120.2

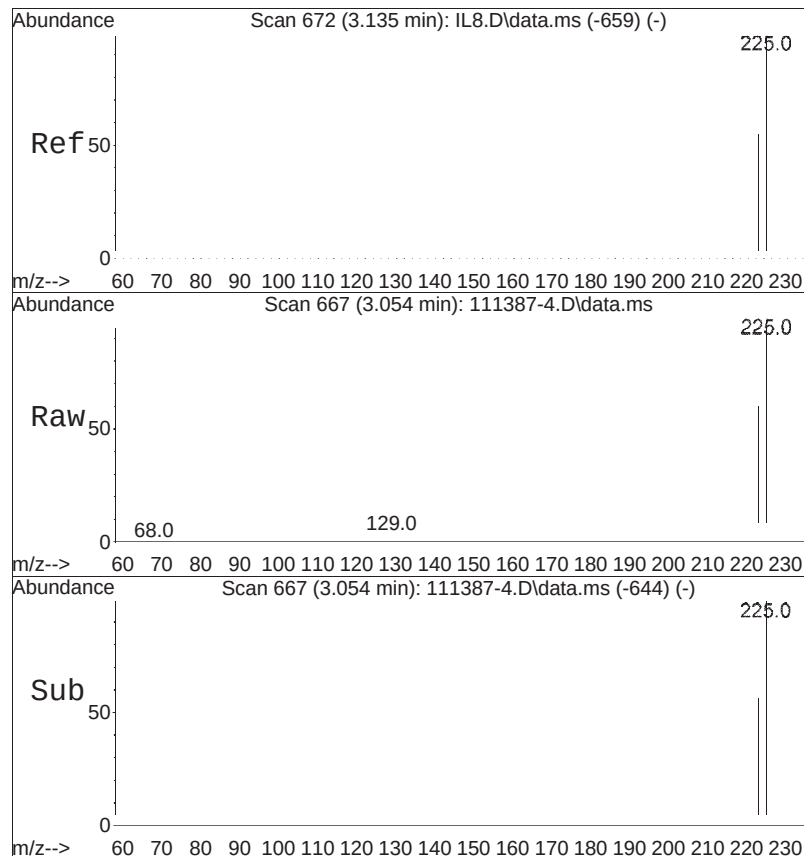




#10
 Naphthalene
 Concen: 1356.07 ng/ml
 RT: 2.981 min Scan# 644
 Delta R.T. -0.002 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

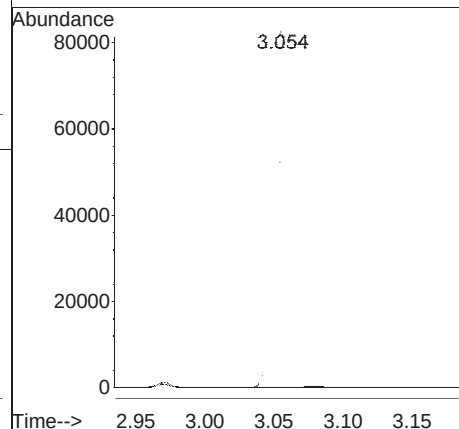
Tgt Ion	128	Resp	425199
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	13.1	10.6	15.8

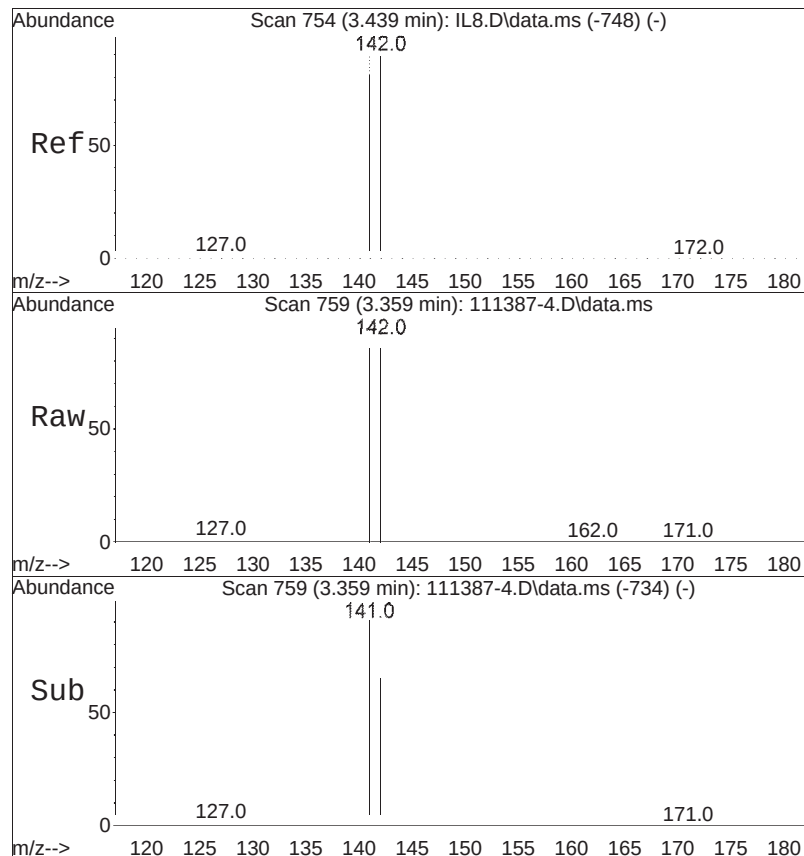




#11
 Hexachlorobutadiene
 Concen: 1180.16 ng/ml
 RT: 3.054 min Scan# 667
 Delta R.T. -0.006 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

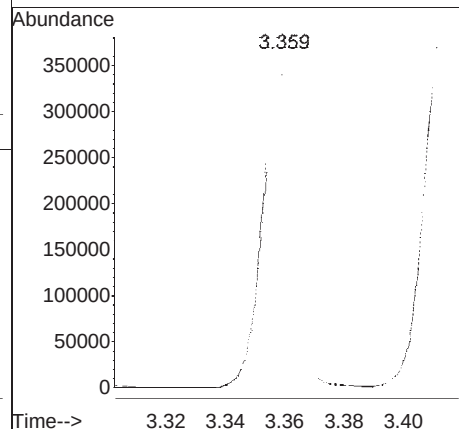
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61306		
223	63.0		50.6	75.8

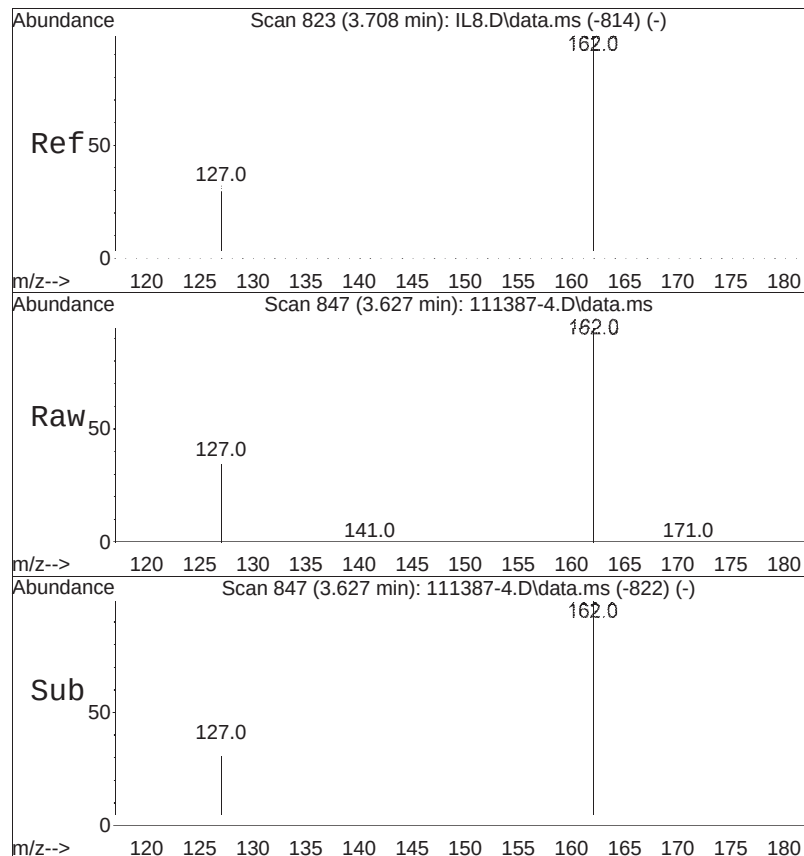




#12
 2-Methylnaphthalene
 Concen: 1506.34 ng/ml
 RT: 3.359 min Scan# 759
 Delta R.T. -0.003 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

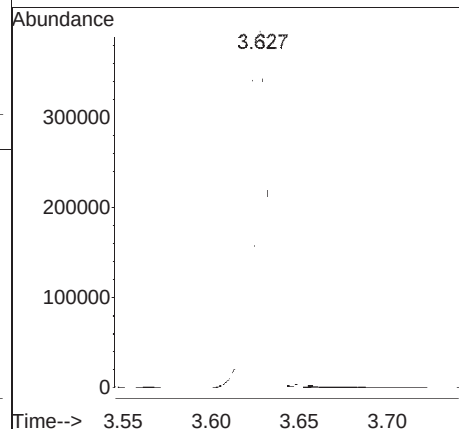
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.2	111.4

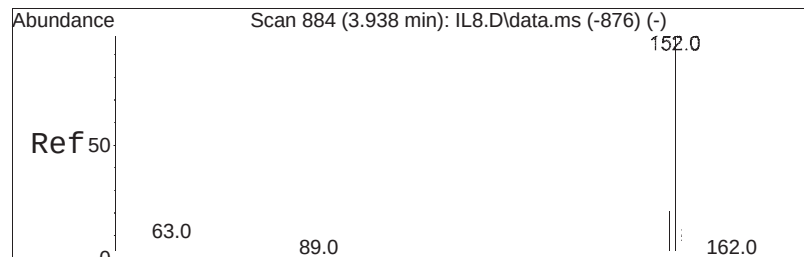




#15
 2-Chloronaphthalene
 Concen: 1477.46 ng/ml
 RT: 3.627 min Scan# 847
 Delta R.T. -0.003 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

Tgt Ion	162	127	Ratio	100	Resp	303443	Lower	Upper
162	100							
127	41.7						30.0	45.0





#17

Acenaphthylene

Concen: 1608.61 ng/ml

RT: 3.857 min Scan# 917

Delta R.T. -0.003 min

Lab File: 111387-4.D

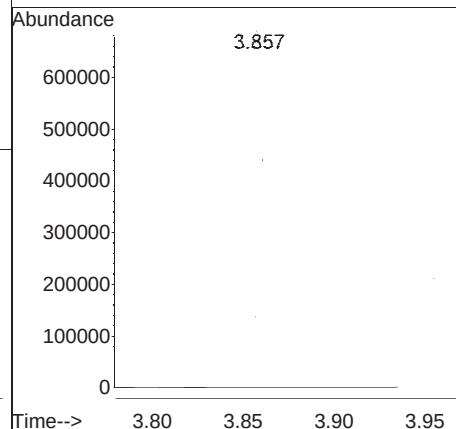
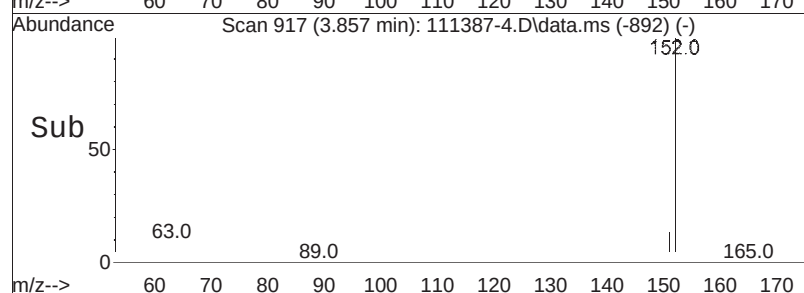
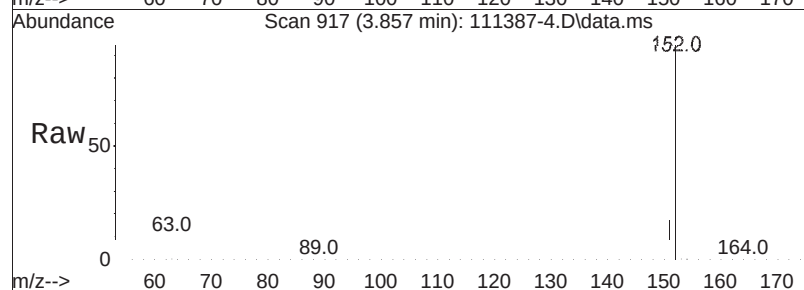
Acq: 09 Sep 2025 11:30 pm

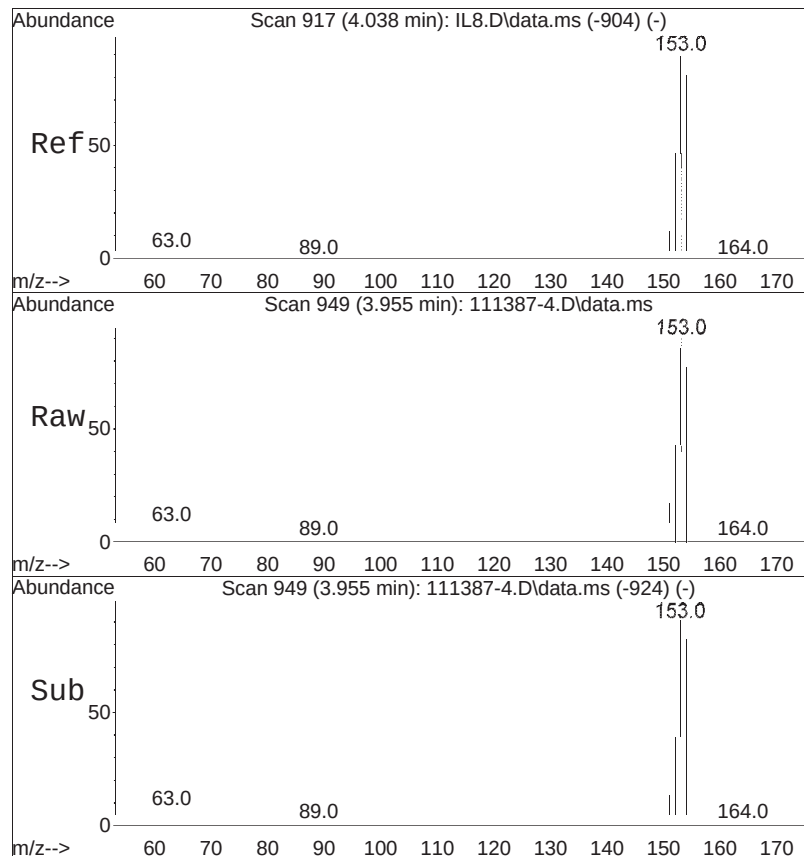
Tgt Ion:152 Resp: 522334

Ion Ratio Lower Upper

152 100

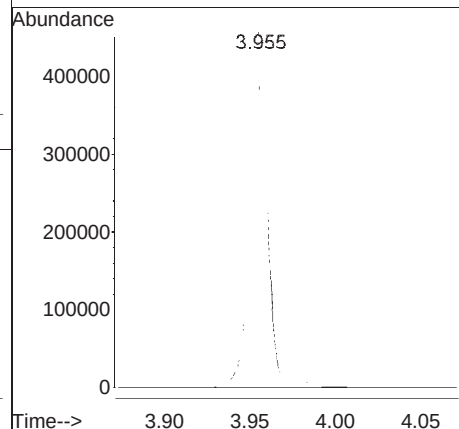
151 20.2 16.1 24.1

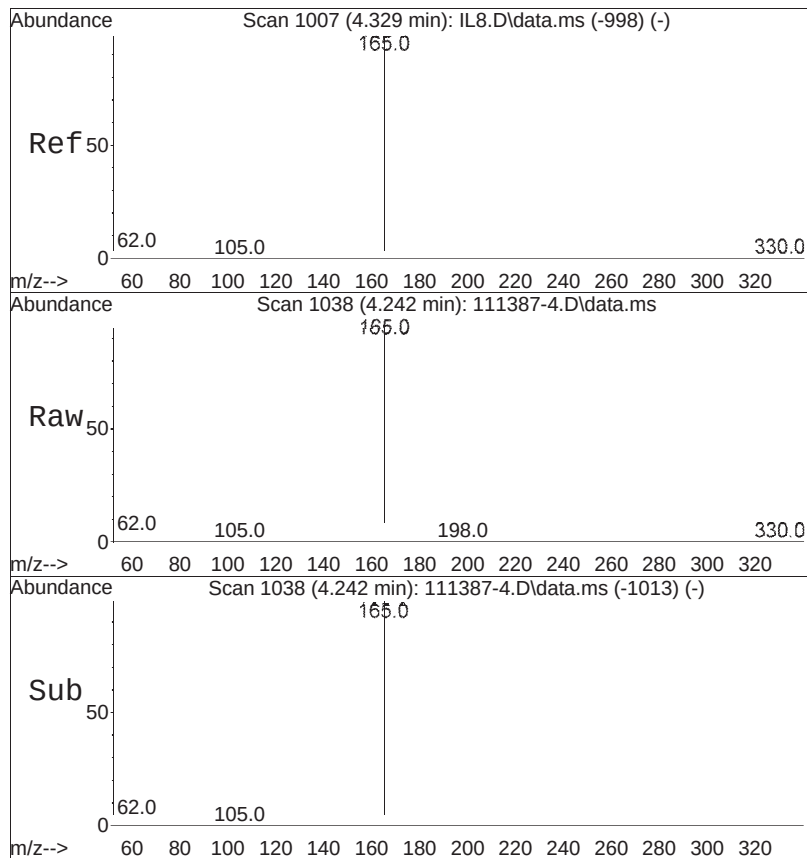




#19
 Acenaphthene
 Concen: 1521.90 ng/ml
 RT: 3.955 min Scan# 949
 Delta R.T. -0.003 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

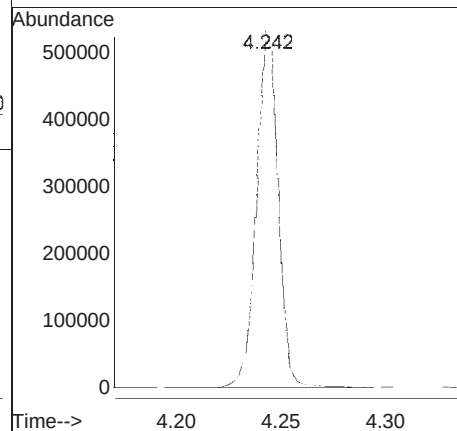
Tgt Ion	Ratio	Lower	Upper
153	100		
154	86.8	72.2	108.4

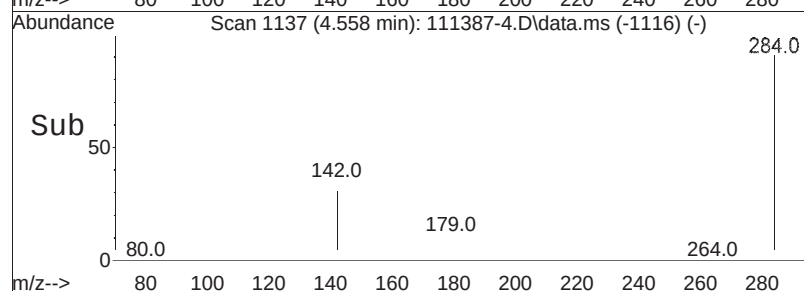
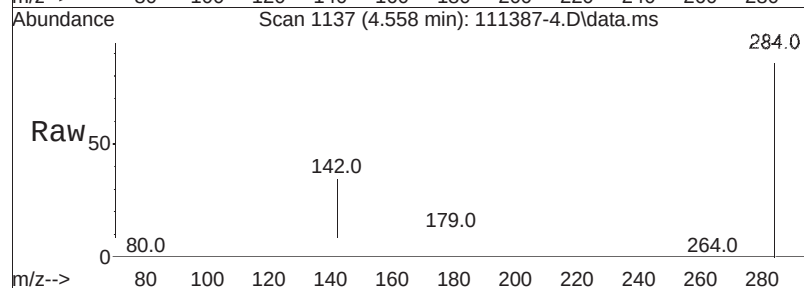
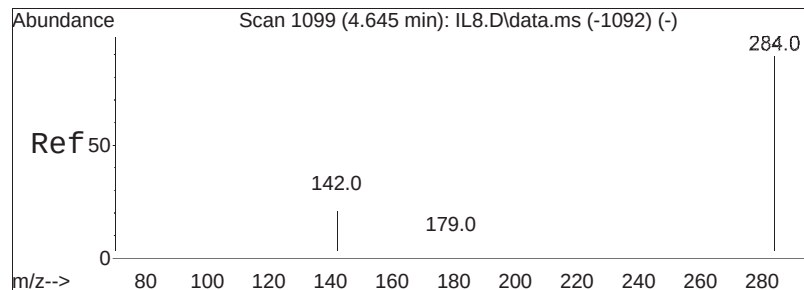




#21
 Fluorene
 Concen: 1589.56 ng/ml
 RT: 4.242 min Scan# 1038
 Delta R.T. -0.003 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

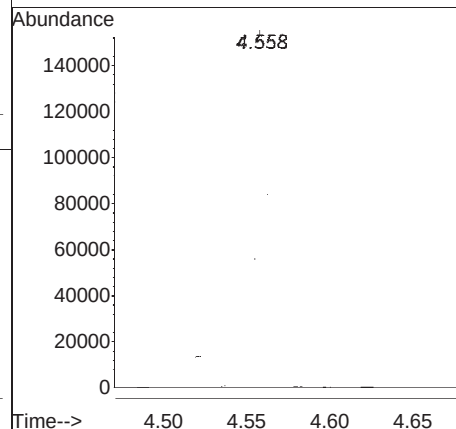
Tgt	Ion	Ratio	Resp	Lower	Upper
166	100		383383		
165	101.5	81.5	122.3		

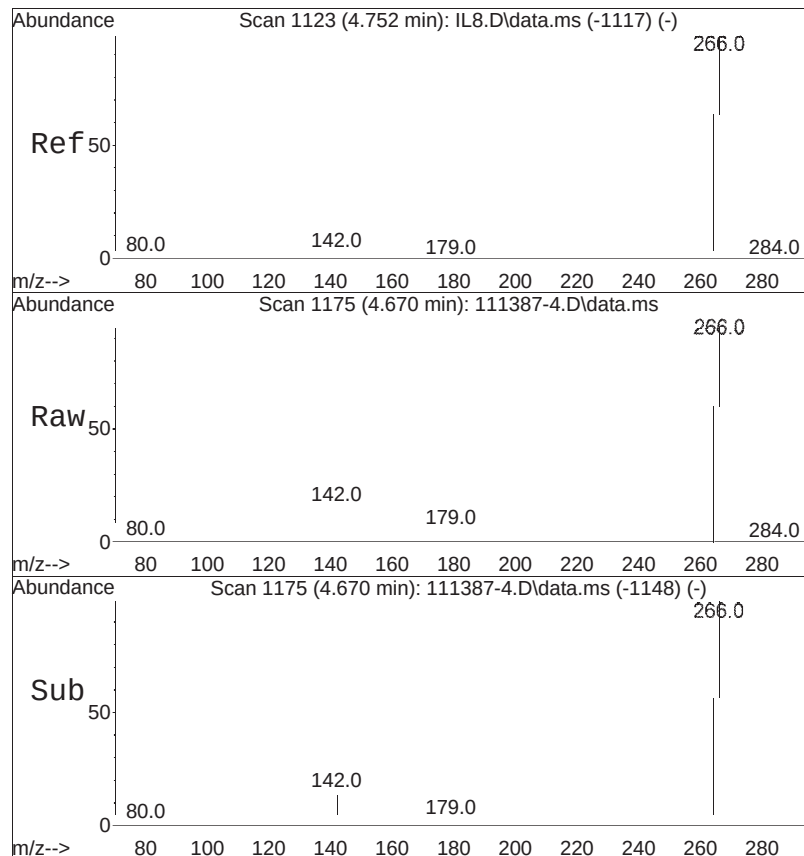




#25
 Hexachlorobenzene
 Concen: 1552.88 ng/ml
 RT: 4.558 min Scan# 1137
 Delta R.T. -0.002 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

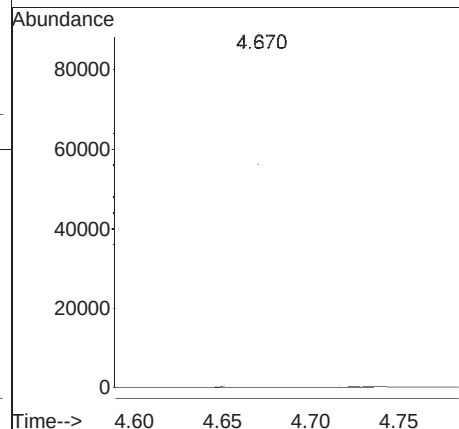
Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.7	29.4	44.2

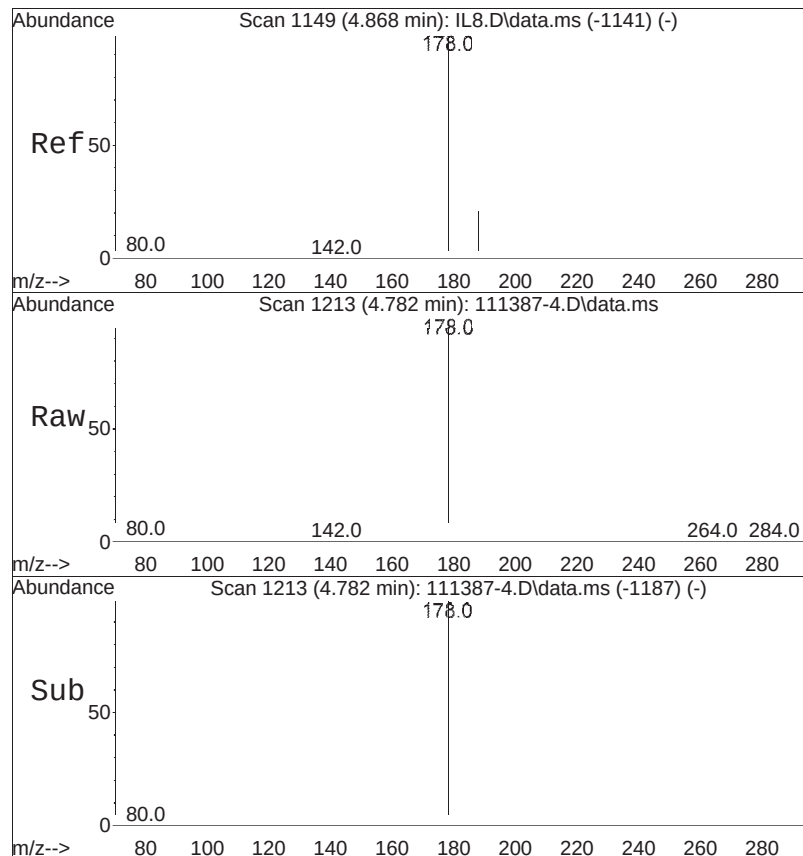




#26
 Pentachlorophenol
 Concen: 2377.30 ng/ml
 RT: 4.670 min Scan# 1175
 Delta R.T. 0.001 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

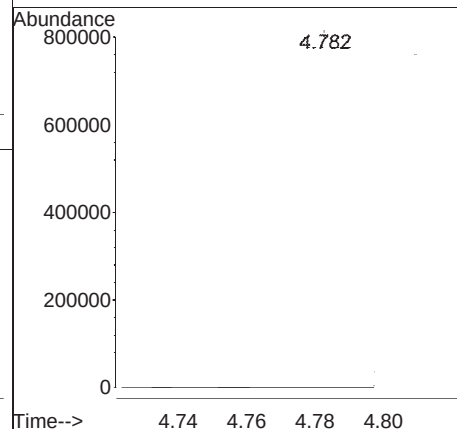
Tgt Ion:	266	Resp:	68450
Ion Ratio	Lower	Upper	
266	100		
264	63.5	49.9	74.9

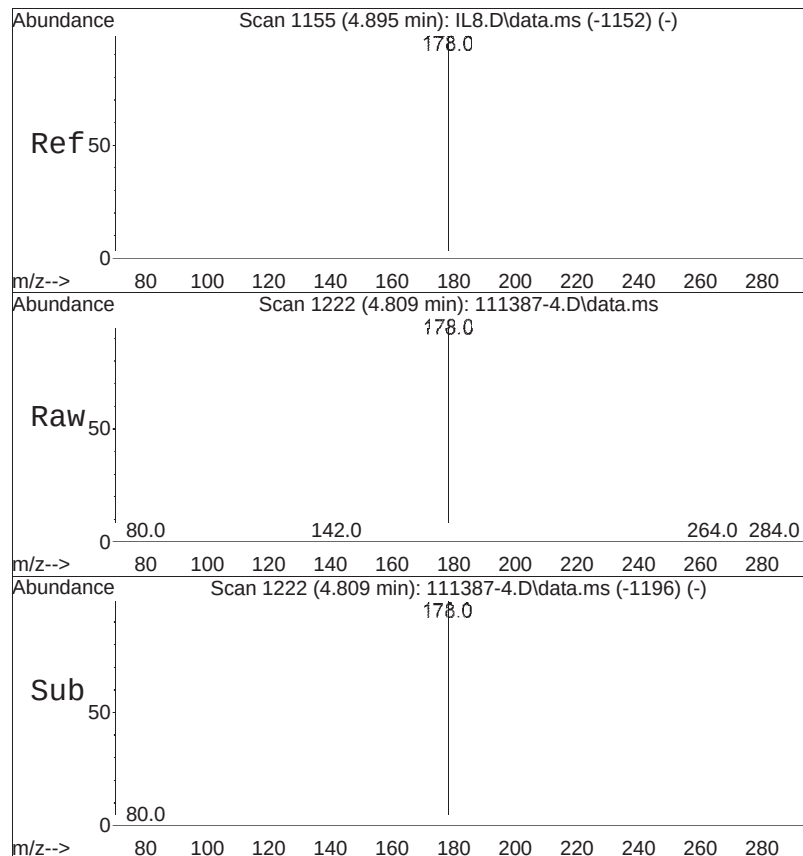




#27
 Phenanthrene
 Concen: 1529.85 ng/ml
 RT: 4.782 min Scan# 1213
 Delta R.T. -0.002 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

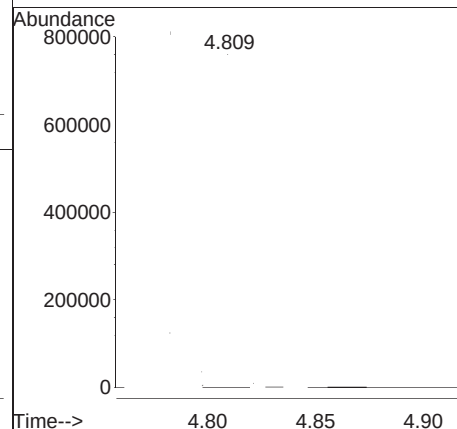
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

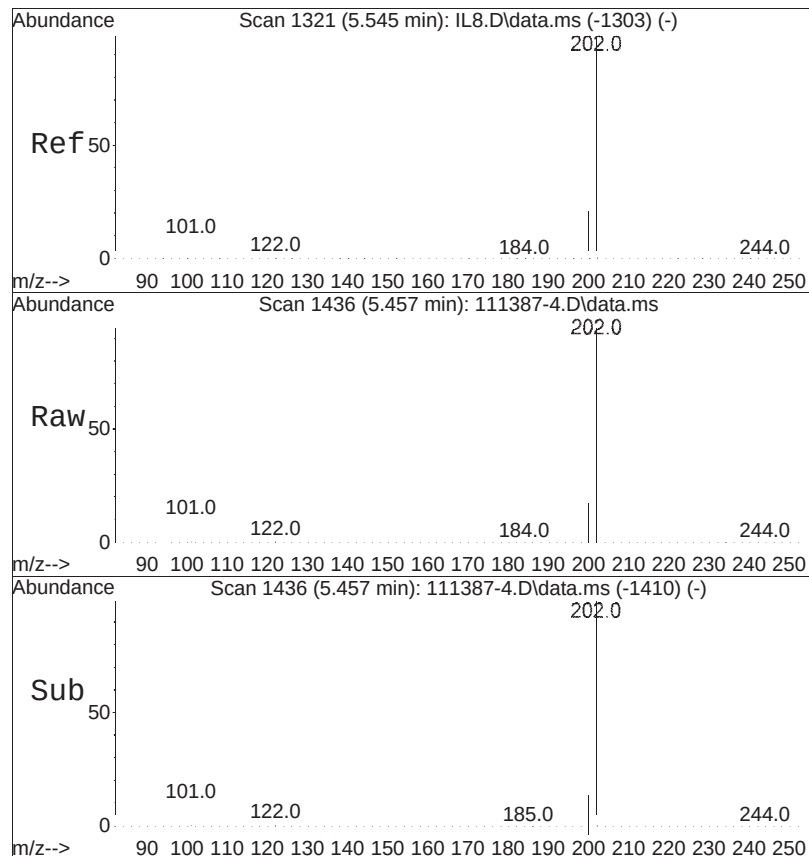




#28
 Anthracene
 Concen: 1604.03 ng/ml
 RT: 4.809 min Scan# 1222
 Delta R.T. -0.002 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

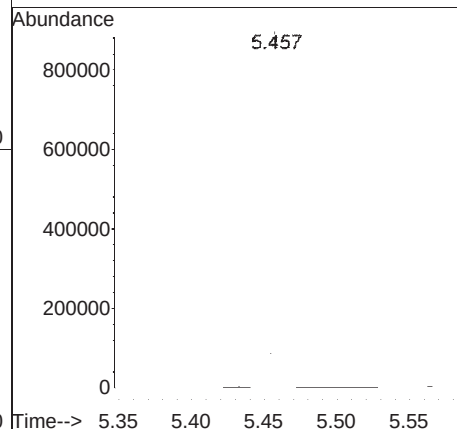
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

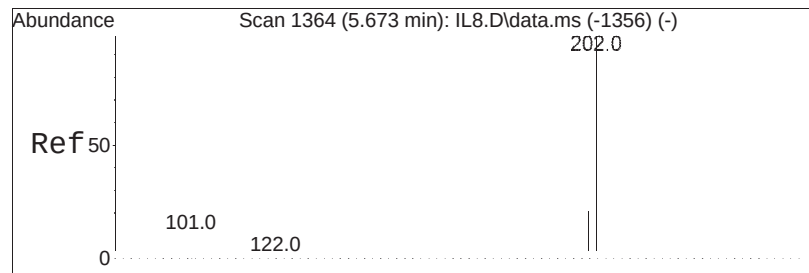




#29
 Fluoranthene
 Concen: 1616.78 ng/ml
 RT: 5.457 min Scan# 1436
 Delta R.T. -0.002 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

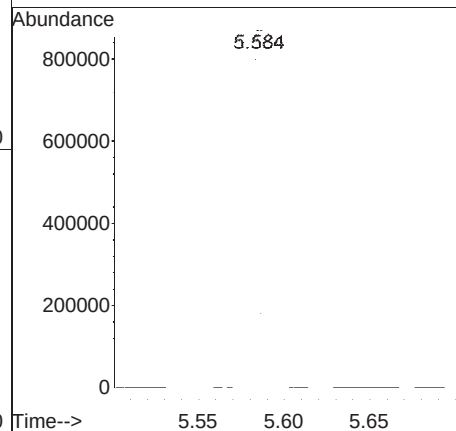
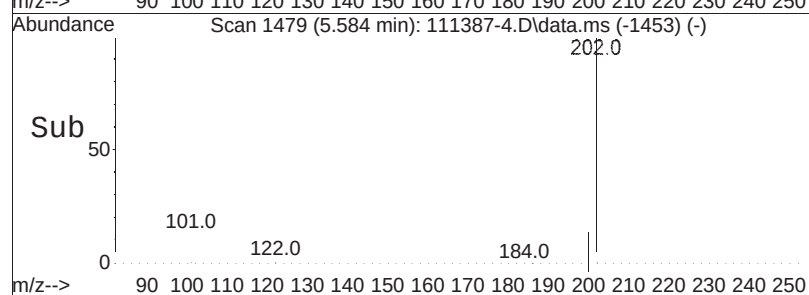
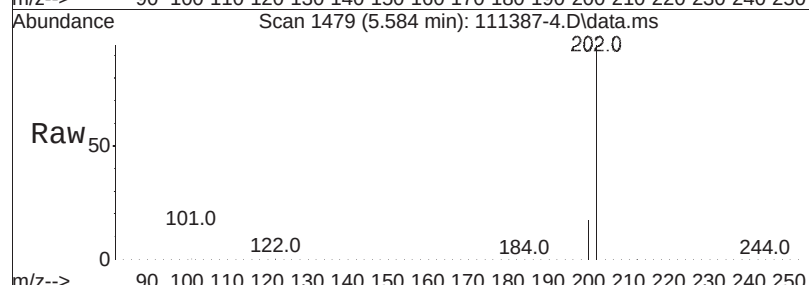
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	649549		
101	10.6		8.3	12.5

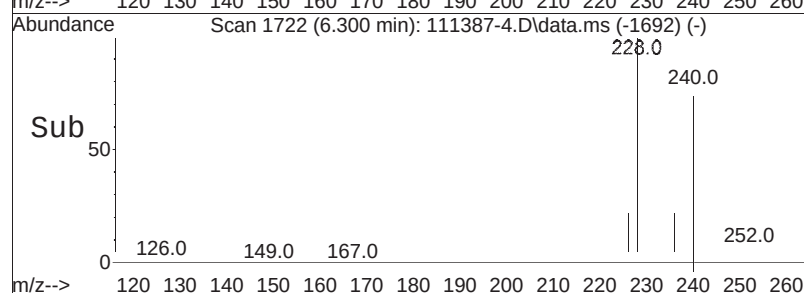
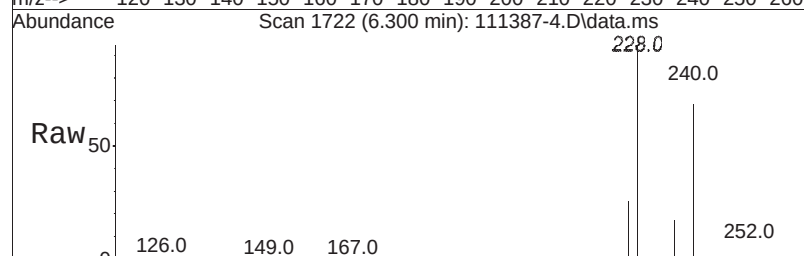
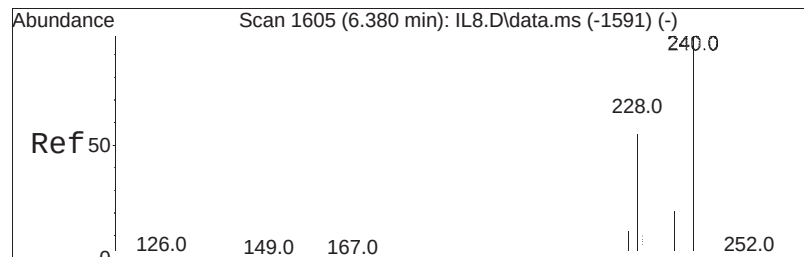




#30
 Pyrene
 Concen: 1583.46 ng/ml
 RT: 5.584 min Scan# 1479
 Delta R.T. -0.002 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2





#34

Benzo[a]anthracene

Concen: 1669.70 ng/ml

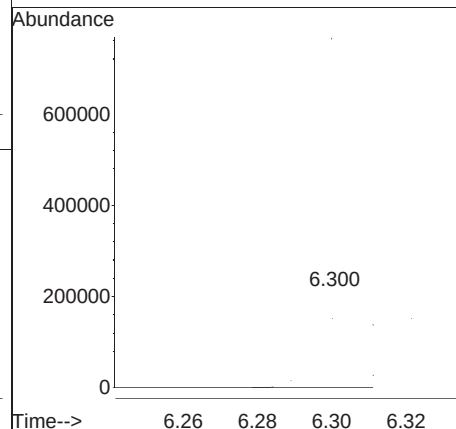
RT: 6.300 min Scan# 1722

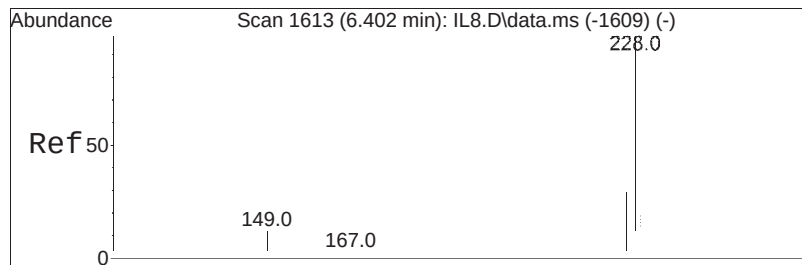
Delta R.T. 0.001 min

Lab File: 111387-4.D

Acq: 09 Sep 2025 11:30 pm

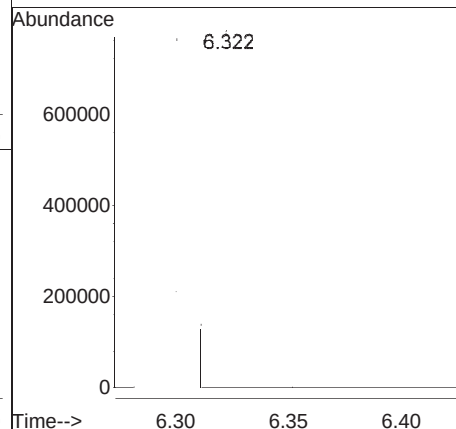
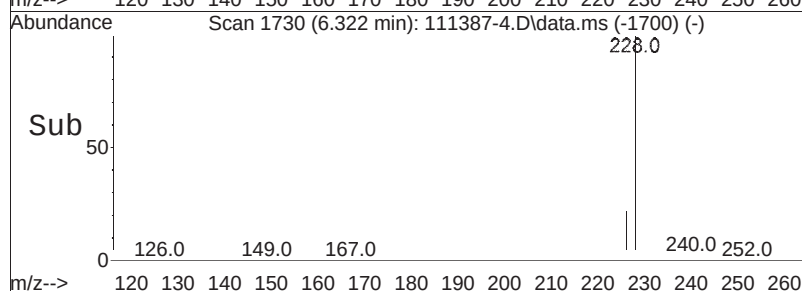
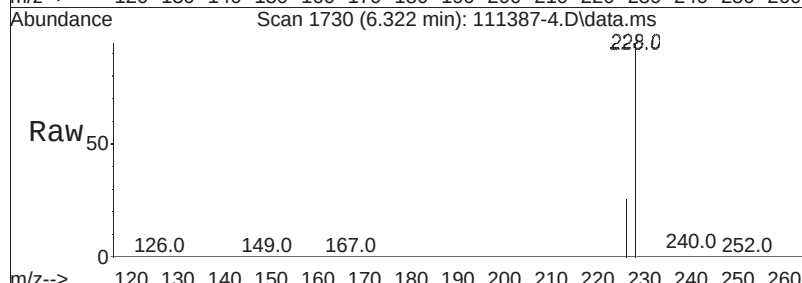
Tgt	Ion:226	Resp:	167946
Ion	Ratio	Lower	Upper
226	100		
229	70.7	56.4	84.6
228	358.0	287.5	431.3
229	70.7	56.4	84.6

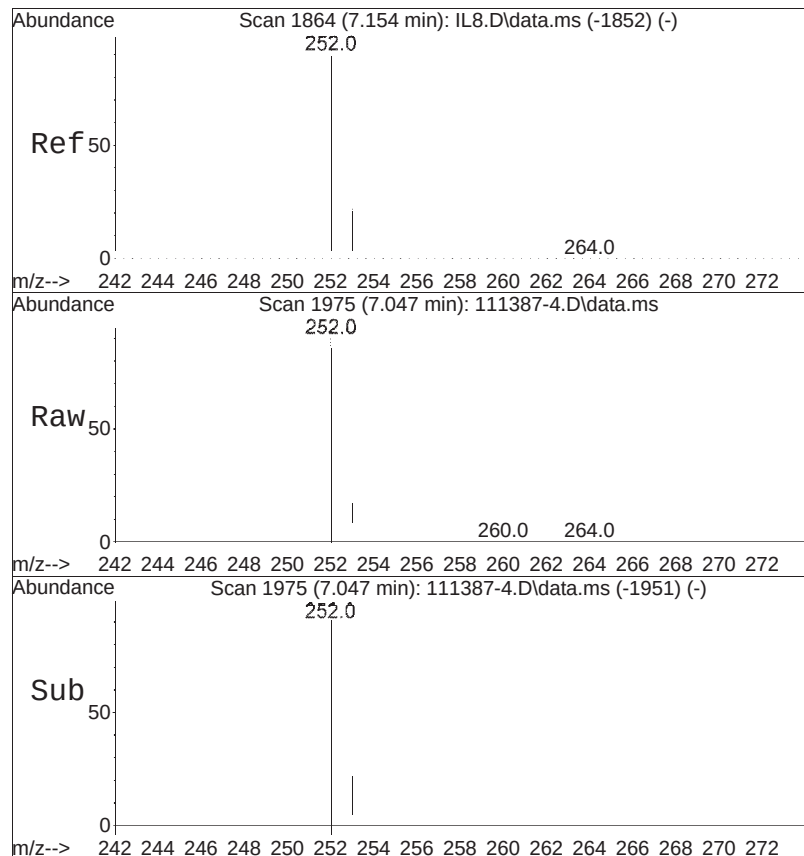




#36
 Chrysene
 Concen: 1628.51 ng/ml
 RT: 6.322 min Scan# 1730
 Delta R.T. 0.001 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

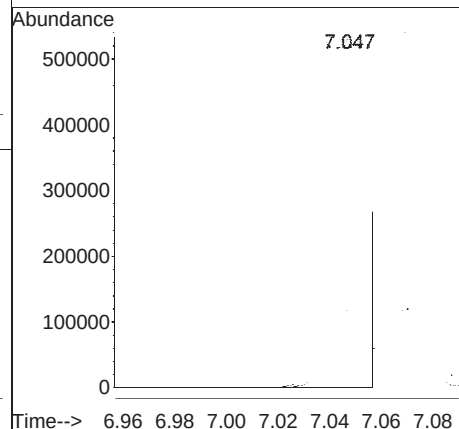
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5

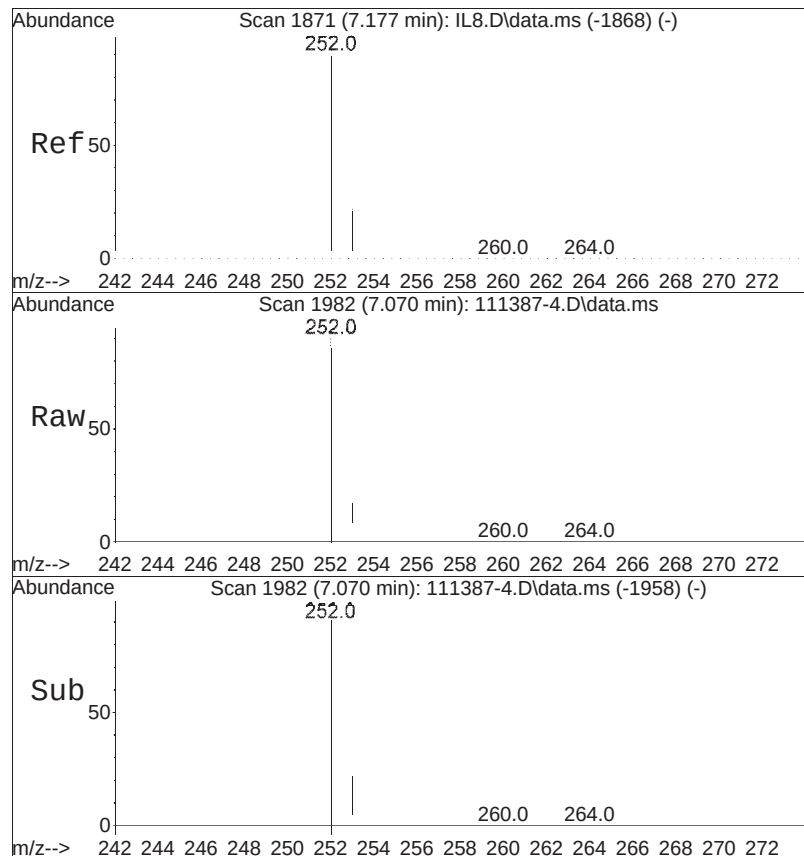




#39
 Benzo[b]fluoranthene
 Concen: 1705.58 ng/ml
 RT: 7.047 min Scan# 1975
 Delta R.T. -0.000 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

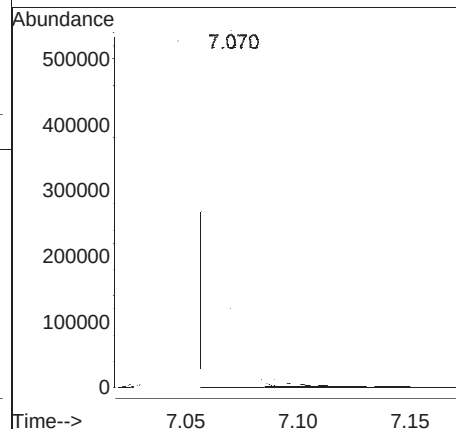
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.2	28.8

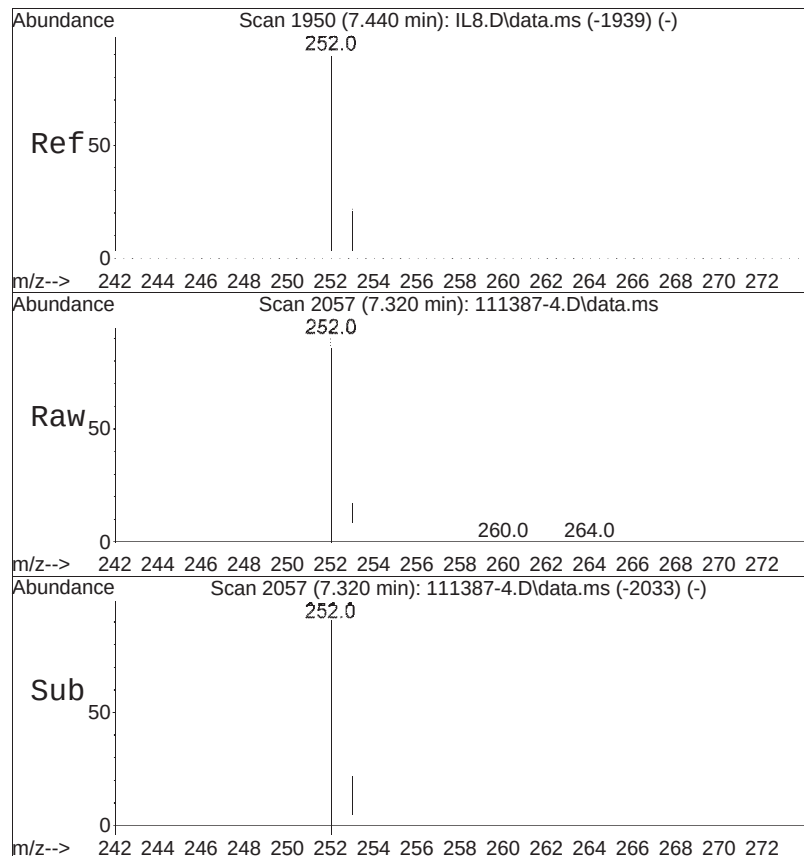




#40
 Benzo[k]fluoranthene
 Concen: 1674.01 ng/ml
 RT: 7.070 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

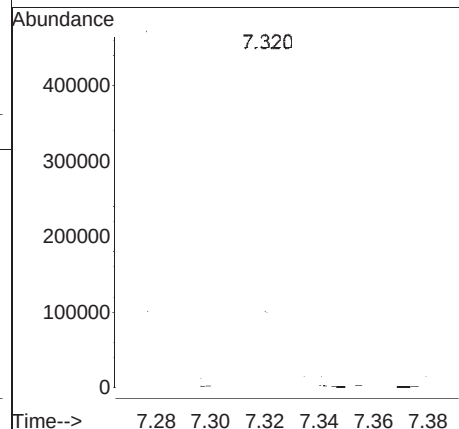
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	15.8	23.8

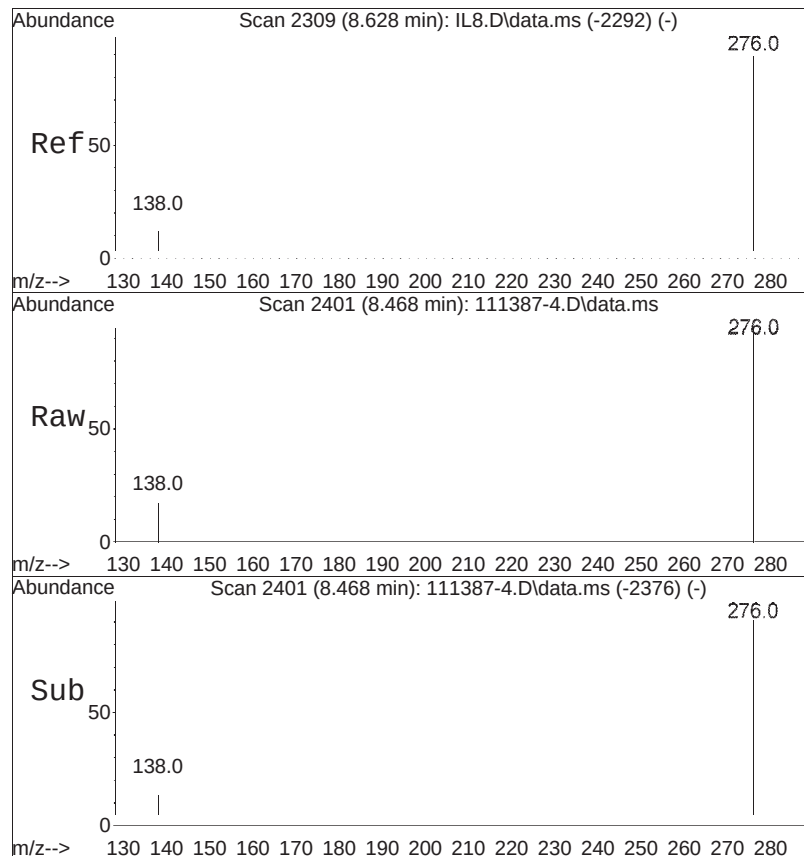




#41
 Benzo[a]pyrene
 Concen: 1742.14 ng/ml
 RT: 7.320 min Scan# 2057
 Delta R.T. -0.000 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

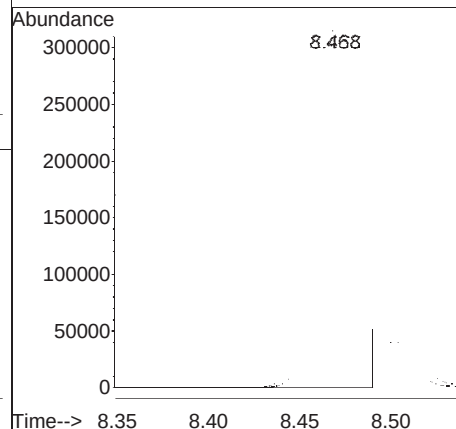
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

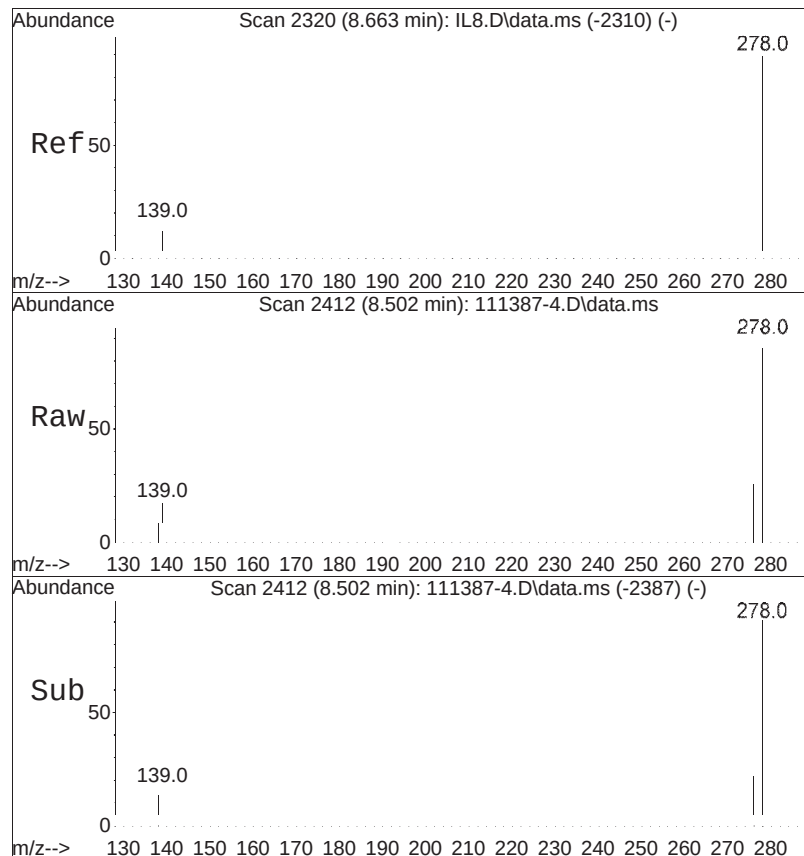




#42
Indeno[1,2,3-cd]pyrene
Concen: 1792.24 ng/ml
RT: 8.468 min Scan# 2401
Delta R.T. -0.003 min
Lab File: 111387-4.D
Acq: 09 Sep 2025 11:30 pm

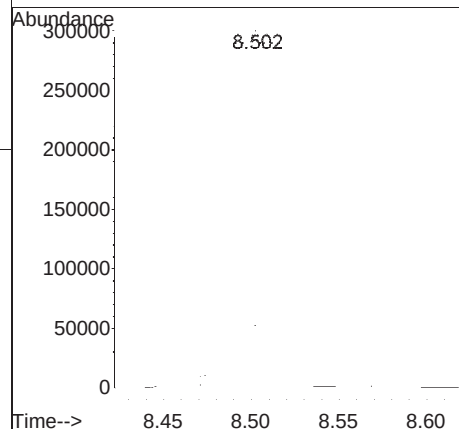
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	15.9	23.9

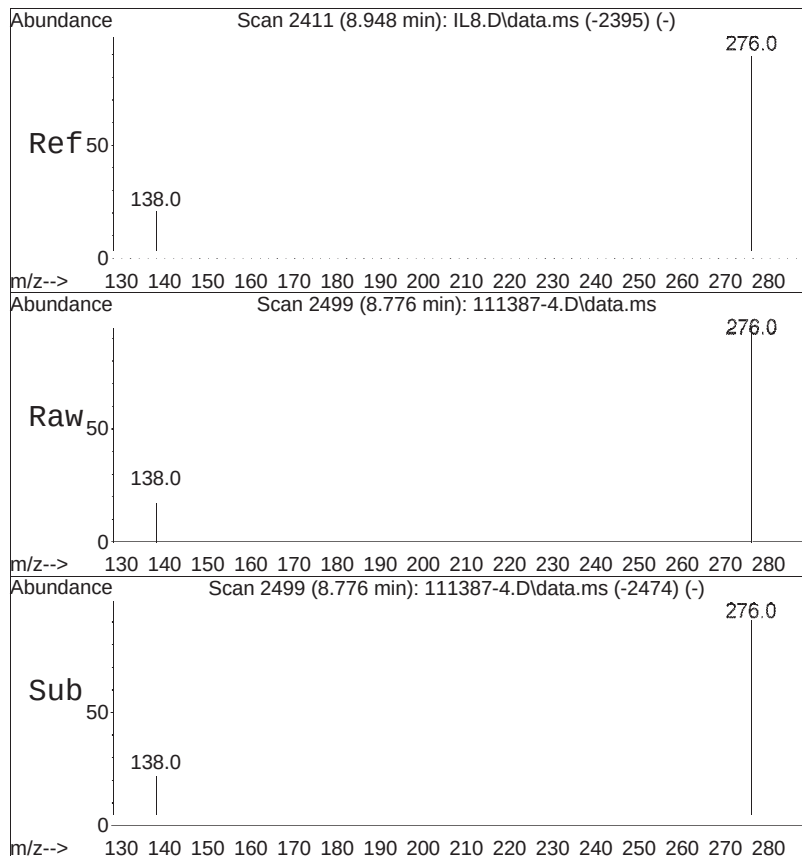




#43
 Dibenzo[a,h]anthracene
 Concen: 1667.50 ng/ml M6
 RT: 8.502 min Scan# 2412
 Delta R.T. -0.003 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

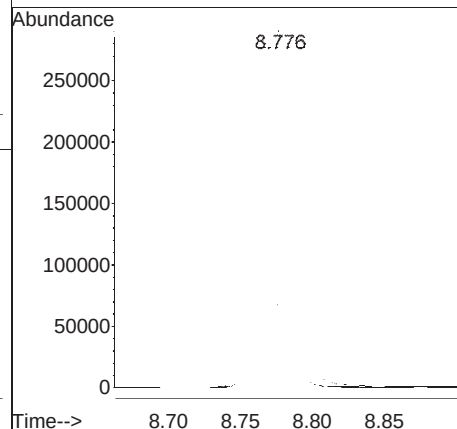
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1685.99 ng/ml
 RT: 8.776 min Scan# 2499
 Delta R.T. -0.003 min
 Lab File: 111387-4.D
 Acq: 09 Sep 2025 11:30 pm

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.1	27.1

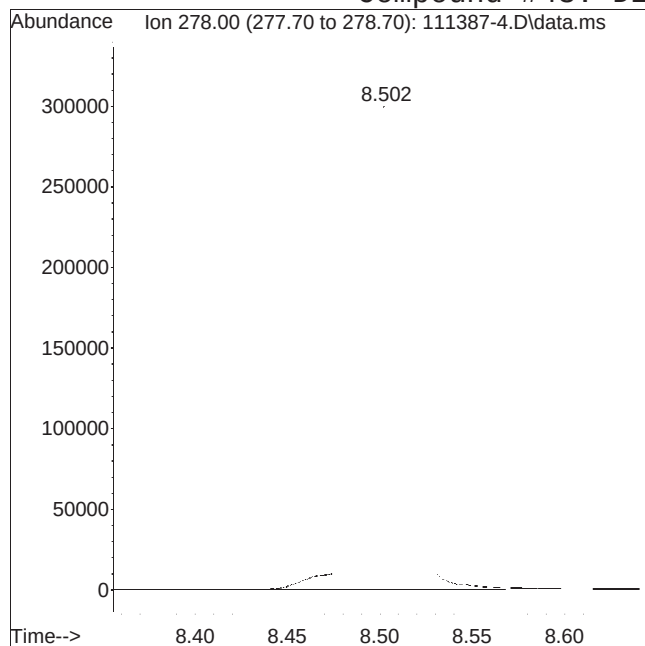


Manual Integration Report

Data Path : I:\8270SIM\SV125\250908nRV01
Data File : 111387-4.D
Date Inj'd : 9/9/2025 11:30 pm
Sample : WG2111387-4,32,,dv

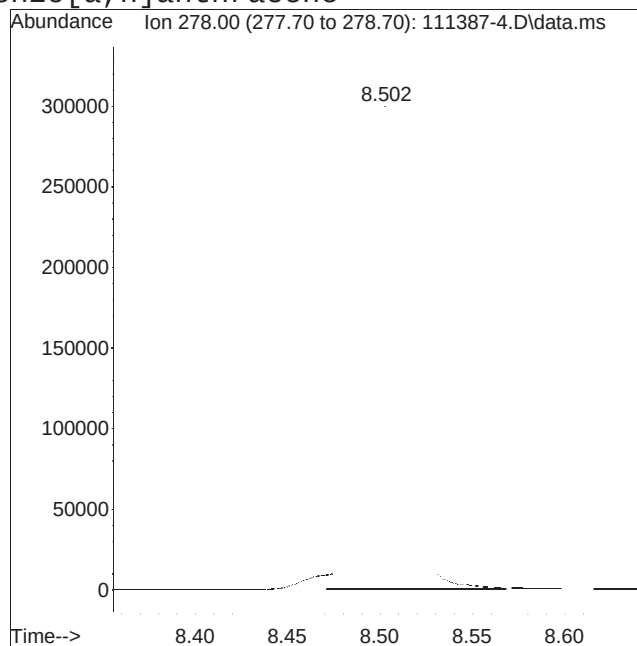
Method : SIM-RVT_250908_sv125.M
Operator : SV125:dv
Instrument : SV125
Quant Date : 9/9/2025 11:46 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 453173

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 441235 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 111387-5.D
 Acq On : 09 Sep 2025 11:47 pm
 Operator : SV125:dv
 Sample : WG2111387-5,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 19:40:47 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.312	152	285892	4000.000	ng/ml	0.00
Standard Area 1 = 283010			Recovery	=	101.02%	
9) Naphthalene-d8	2.969	136	1137509	4000.000	ng/ml	0.00
Standard Area 1 = 1111417			Recovery	=	102.35%	
18) Acenaphthene-d10	3.937	164	651406	4000.000	ng/ml	0.00
Standard Area 1 = 629089			Recovery	=	103.55%	
23) Phenanthrene-d10	4.768	188	1265393	4000.000	ng/ml	0.00
Standard Area 1 = 1261937			Recovery	=	100.27%	
33) Chrysene-d12	6.306	240	1031204	4000.000	ng/ml	0.00
Standard Area 1 = 1059001			Recovery	=	97.38%	
38) Perylene-d12	7.376	264	990817	4000.000	ng/ml	0.00
Standard Area 1 = 1011246			Recovery	=	97.98%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.733	112	87276	1236.248	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	61.81%	
4) Phenol-d6	2.138	99	79060	906.466	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	45.32%	
8) Nitrobenzene-d5	2.593	82	59084	848.331	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	84.83%	
14) 2-Fluorobiphenyl	3.564	172	168074	724.016	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	72.40%	
22) 2,4,6-Tribromophenol	4.377	330	46181	1906.870	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	95.34%	
32) 4-Terphenyl-d14	5.685	244	194659	767.608	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	76.76%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	2.182	93	113925	1448.730	ng/ml	99
7) Hexachloroethane	2.568	117	44352	1236.425	ng/ml	98
10) Naphthalene	2.978	128	390494	1298.211	ng/ml	99
11) Hexachlorobutadiene	3.055	225	59369	1191.347	ng/ml	100
12) 2-Methylnaphthalene	3.357	142	254540	1449.920	ng/ml	99
15) 2-Chloronaphthalene	3.625	162	280681	1424.598	ng/ml	93
17) Acenaphthylene	3.855	152	484501	1555.383	ng/ml	100
19) Acenaphthene	3.955	153	301920	1449.757	ng/ml	96
21) Fluorene	4.243	166	357305	1532.145	ng/ml	100
25) Hexachlorobenzene	4.556	284	103374	1504.667	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
 Data File : 111387-5.D
 Acq On : 09 Sep 2025 11:47 pm
 Operator : SV125:dv
 Sample : WG2111387-5,32,,dv
 Misc : wg2112655,WG2111387,ical22616
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 19:40:47 2025
 Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 21:50:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250909nRVT\ccv0909n.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	4.668	266	62885	2272.118	ng/ml	99
27)	Phenanthrene	4.780	178	536773	1485.115	ng/ml	100
28)	Anthracene	4.810	178	539414	1564.417	ng/ml	100
29)	Fluoranthene	5.458	202	624409	1597.476	ng/ml	100
30)	Pyrene	5.585	202	632940	1577.692	ng/ml	100
34)	Benzo[a]anthracene	6.298	226	159797	1610.881	ng/ml	99
36)	Chrysene	6.320	228	522136	1594.493	ng/ml	100
39)	Benzo[b]fluoranthene	7.046	252	542225	1729.927	ng/ml	95
40)	Benzo[k]fluoranthene	7.066	252	500789	1576.719	ng/ml	95
41)	Benzo[a]pyrene	7.319	252	466002	1681.910	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.467	276	460465	1749.106	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.502	278	422208M6	1617.545	ng/ml	
44)	Benzo[g,h,i]perylene	8.775	276	442048	1628.828	ng/ml	99

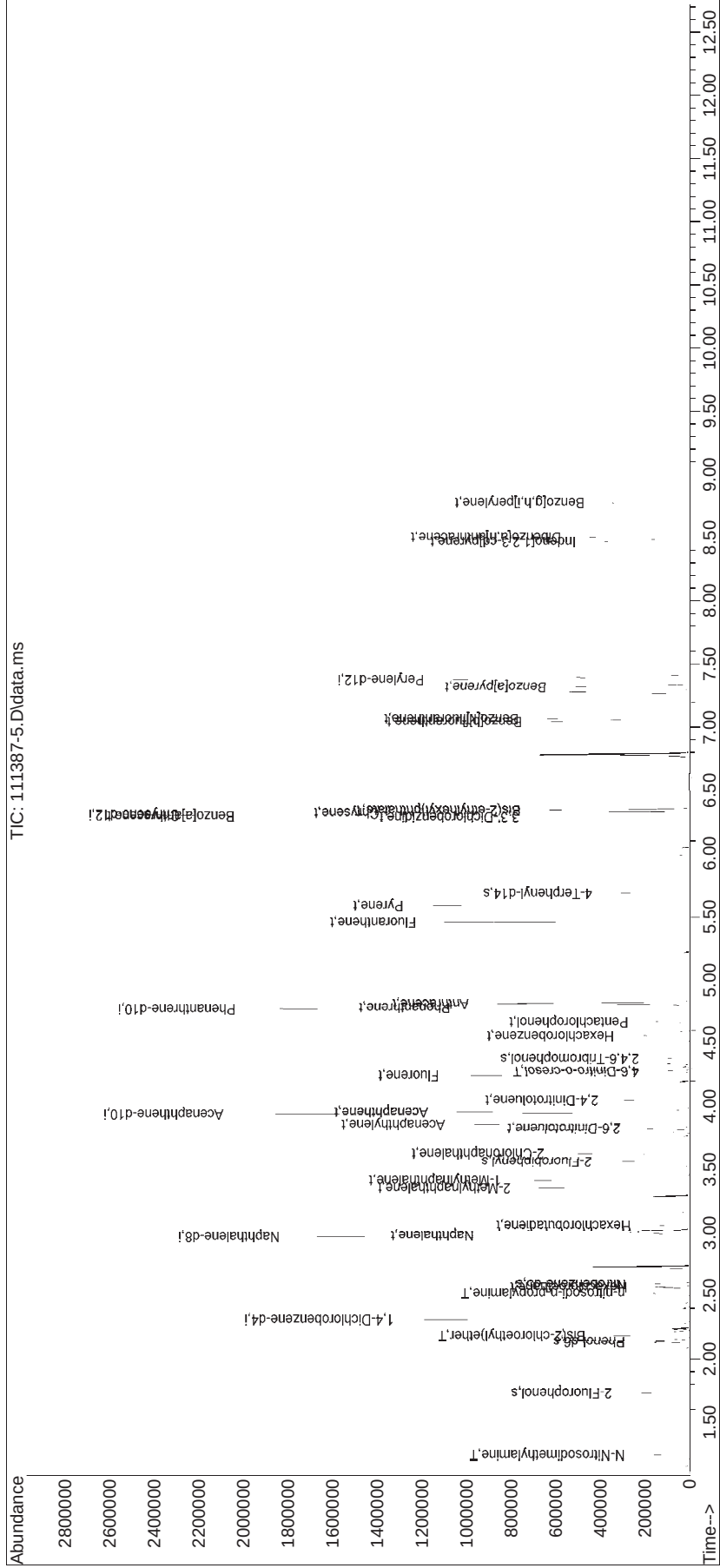
(#) = qualifier out of range (m) = manual integration (+) = signals summed

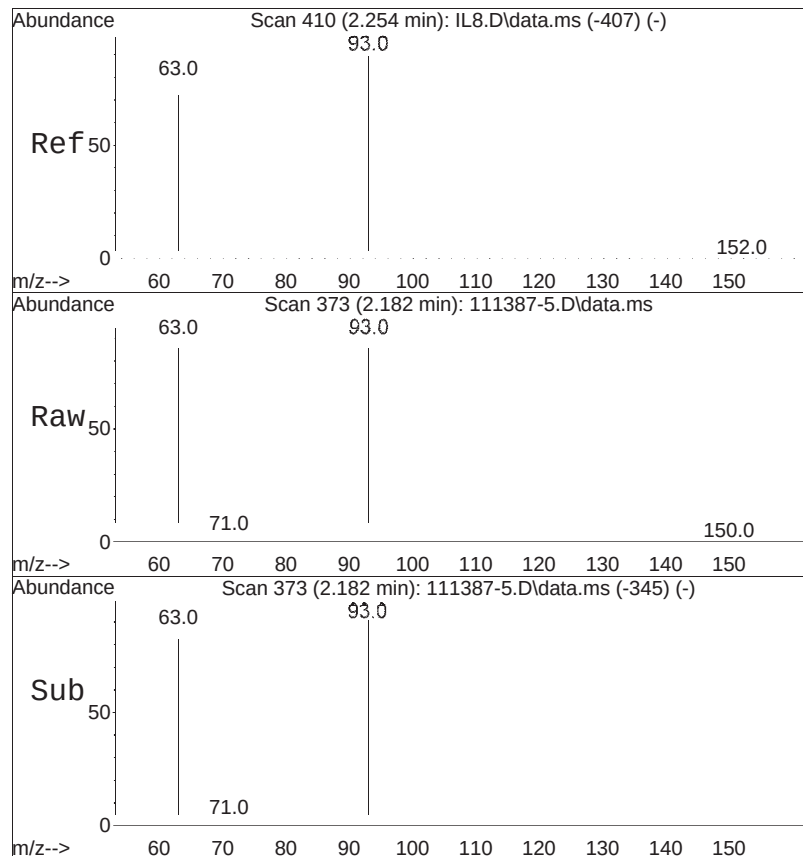
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250909nRVT\
Data File : 111387-5.D
Acq On : 09 Sep 2025 11:47 pm
Operator : SV125:dv
Sample : WG2111387-5,32,,dv
Misc : wg2112655,WG2111387,ical22616
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 19:40:47 2025
Quant Method : I:\8270sim\SV125\250909nRVT\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 21:50:13 2025
Response via : Initial Calibration

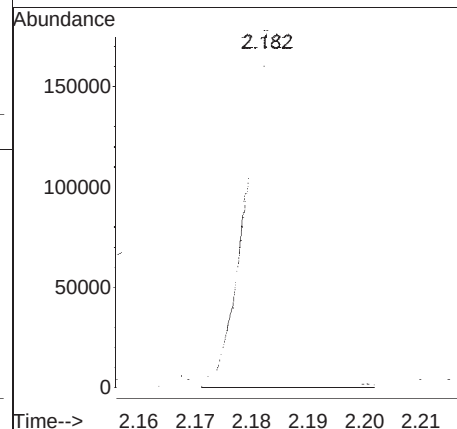
Sub List : DEFAULT - All compounds listedT\ccv0909n.D•

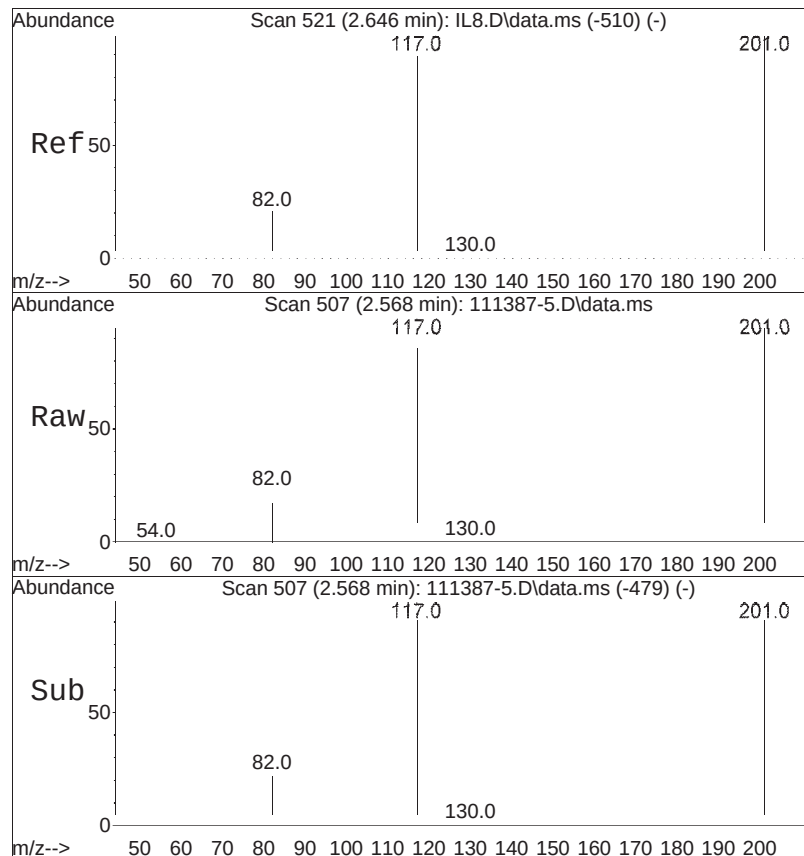




#5
 Bis(2-chloroethyl)ether
 Concen: 1448.73 ng/ml
 RT: 2.182 min Scan# 373
 Delta R.T. -0.004 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

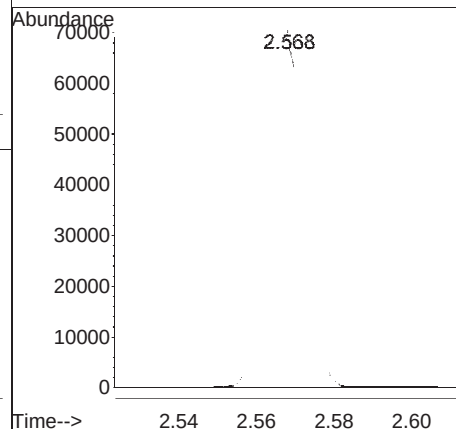
Tgt	Ion	Ratio	Lower	Upper
93	100			
63	87.1	68.6	103.0	

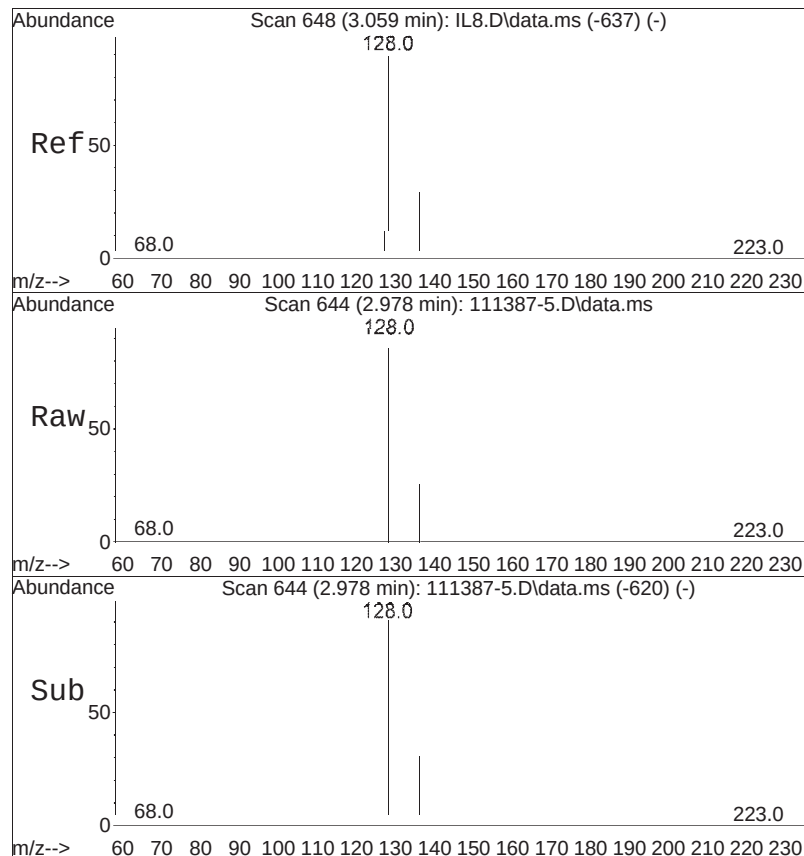




#7
 Hexachloroethane
 Concen: 1236.43 ng/ml
 RT: 2.568 min Scan# 507
 Delta R.T. -0.004 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

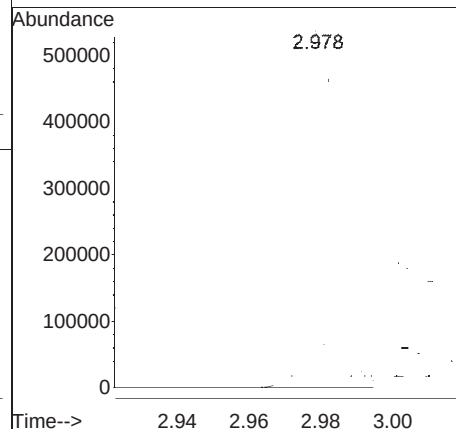
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44352		
201	98.5	80.2	120.2	

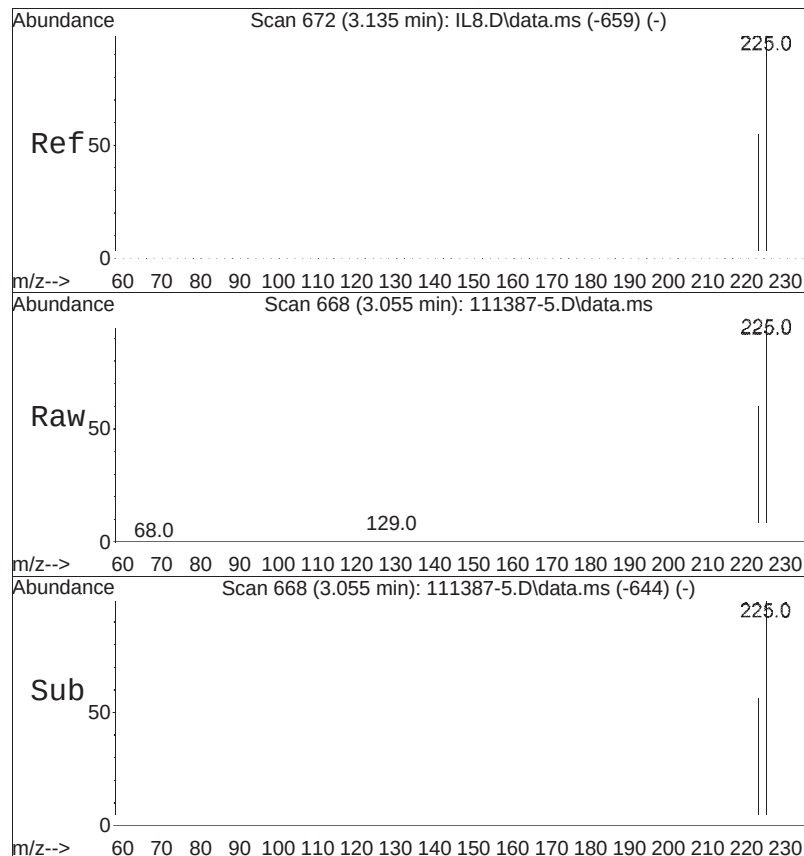




#10
 Naphthalene
 Concen: 1298.21 ng/ml
 RT: 2.978 min Scan# 644
 Delta R.T. -0.005 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

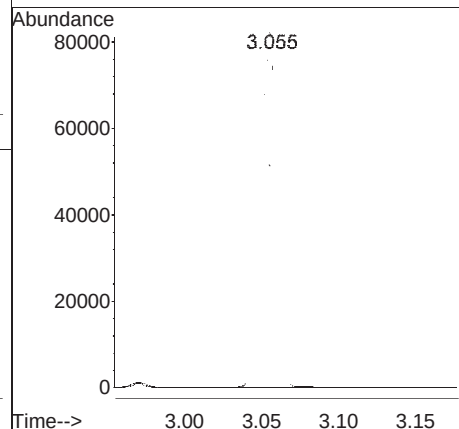
Tgt Ion	128	Resp:	390494
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.8	13.2
127	13.3	10.6	15.8

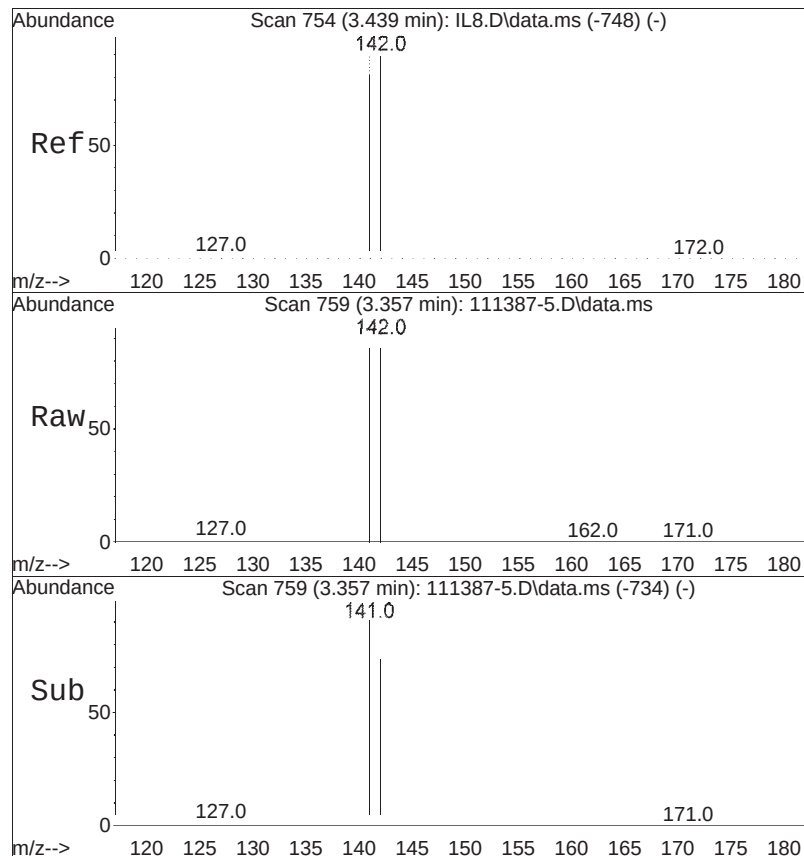




#11
 Hexachlorobutadiene
 Concen: 1191.35 ng/ml
 RT: 3.055 min Scan# 668
 Delta R.T. -0.005 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

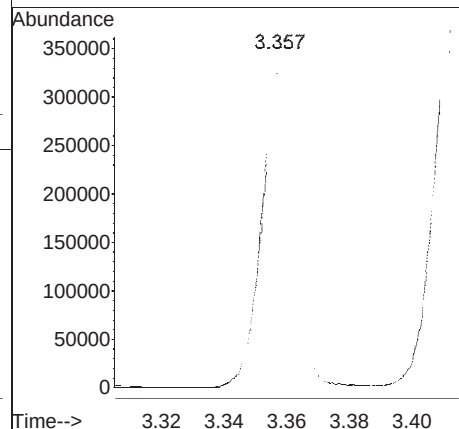
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59369		
223	63.0		50.6	75.8

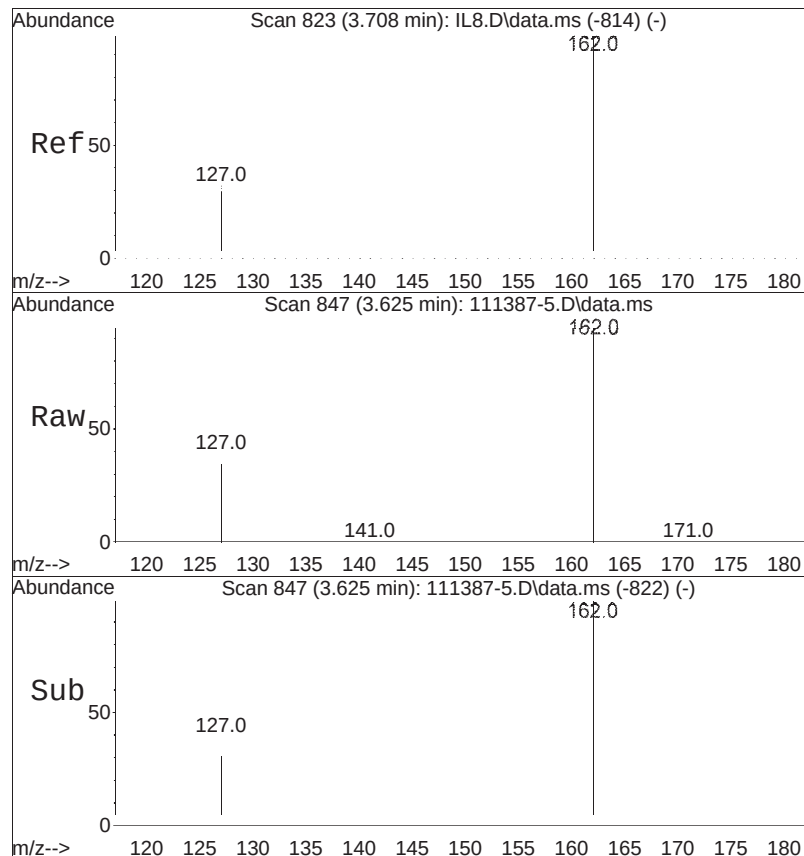




#12
 2-Methylnaphthalene
 Concen: 1449.92 ng/ml
 RT: 3.357 min Scan# 759
 Delta R.T. -0.005 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

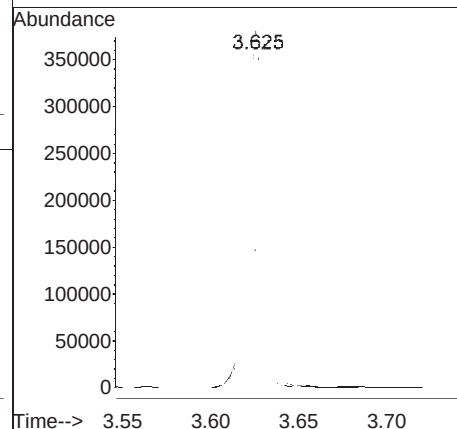
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.2	111.4

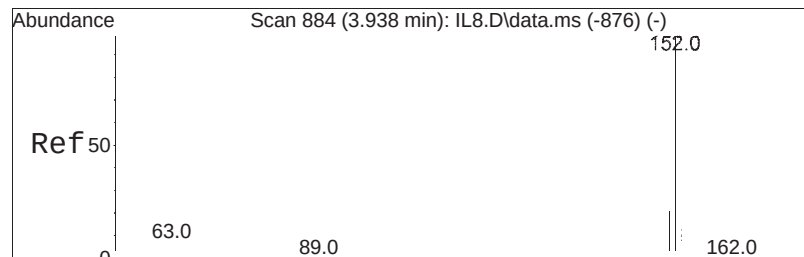




#15
 2-Chloronaphthalene
 Concen: 1424.60 ng/ml
 RT: 3.625 min Scan# 847
 Delta R.T. -0.005 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

Tgt Ion	162	127	Ratio	100	Resp	280681
Lower	30.0					
Upper	45.0					





#17

Acenaphthylene

Concen: 1555.38 ng/ml

RT: 3.855 min Scan# 917

Delta R.T. -0.005 min

Lab File: 111387-5.D

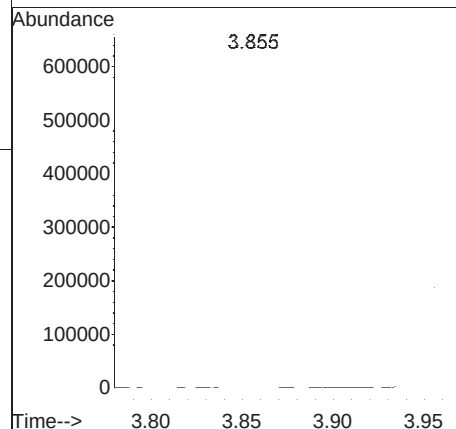
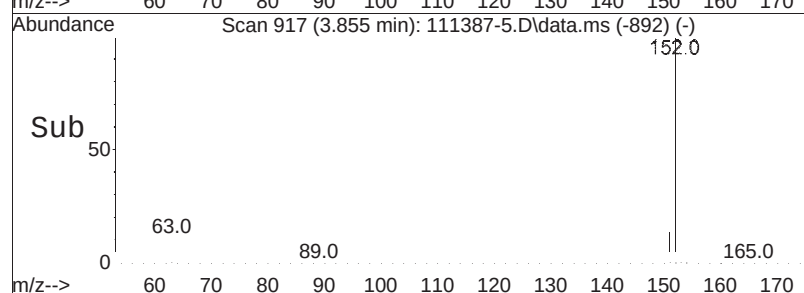
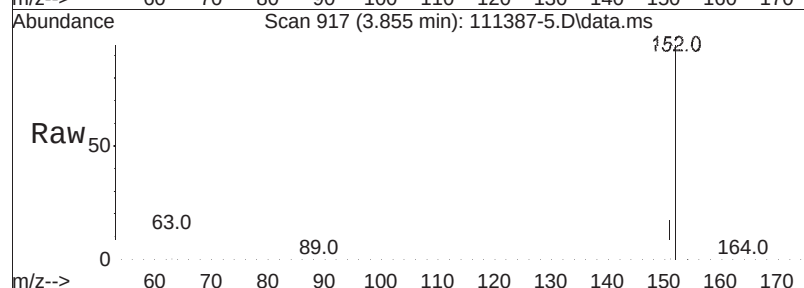
Acq: 09 Sep 2025 11:47 pm

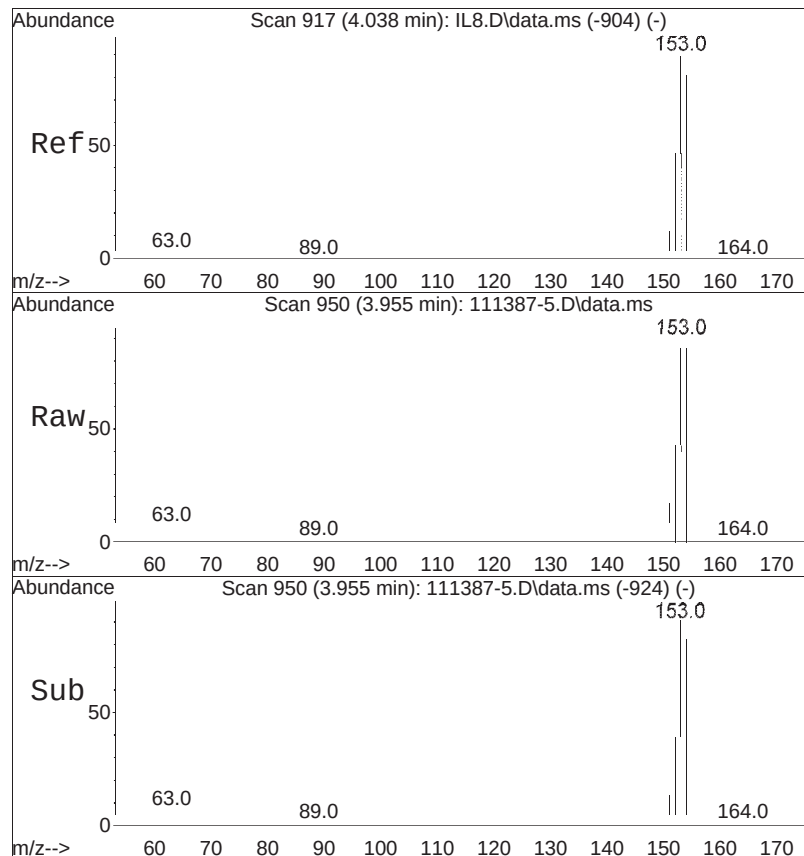
Tgt Ion:152 Resp: 484501

Ion Ratio Lower Upper

152 100

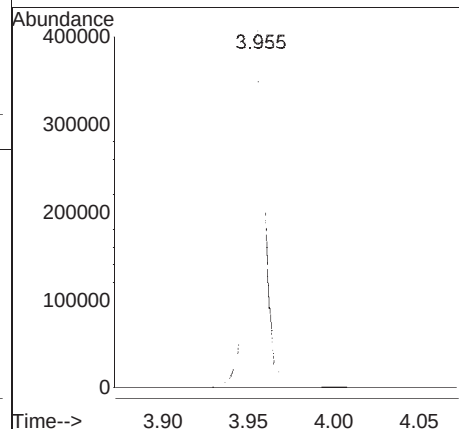
151 20.1 16.1 24.1

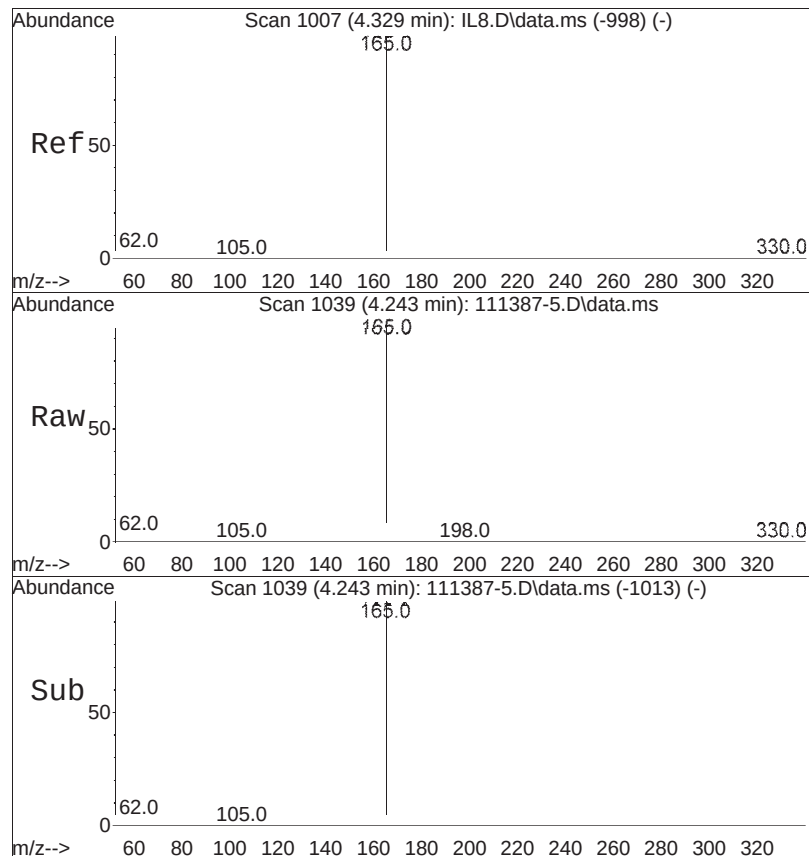




#19
 Acenaphthene
 Concen: 1449.76 ng/ml
 RT: 3.955 min Scan# 950
 Delta R.T. -0.002 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

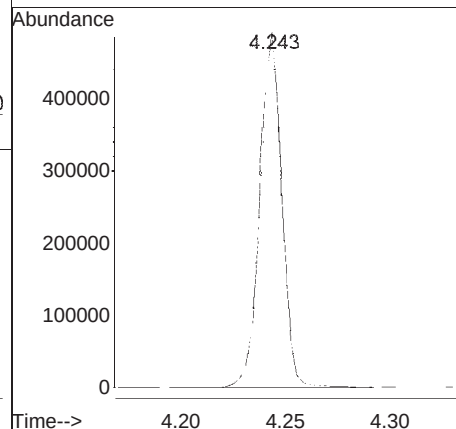
Tgt Ion	Ratio	Lower	Upper
153	100		
154	86.3	72.2	108.4

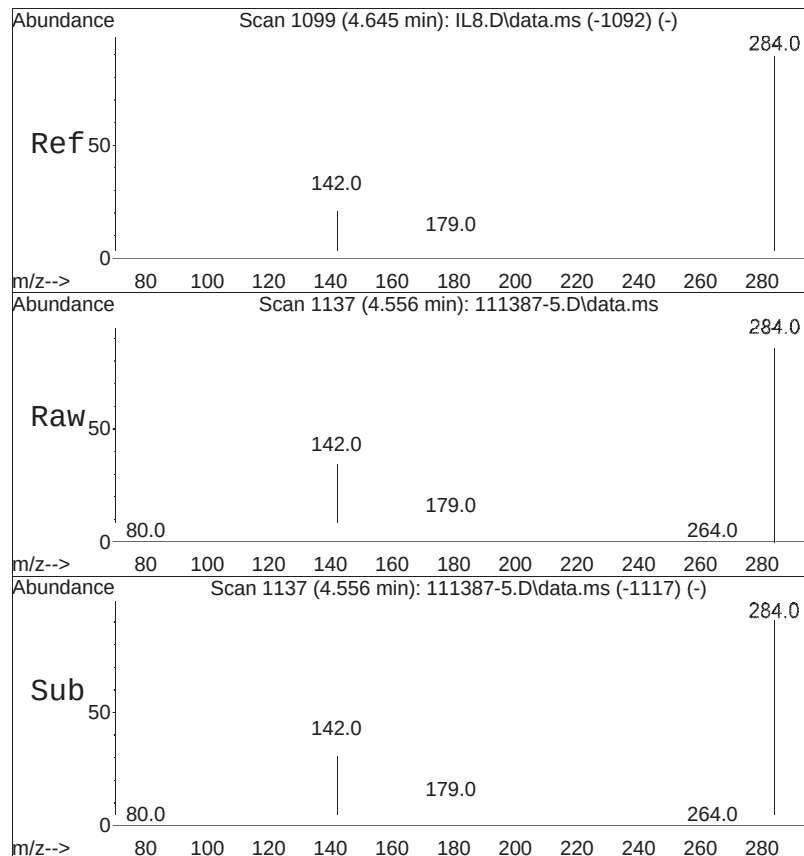




#21
 Fluorene
 Concen: 1532.14 ng/ml
 RT: 4.243 min Scan# 1039
 Delta R.T. -0.002 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

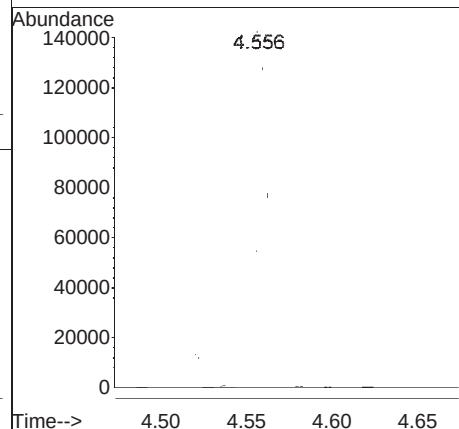
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.5	81.5	122.3

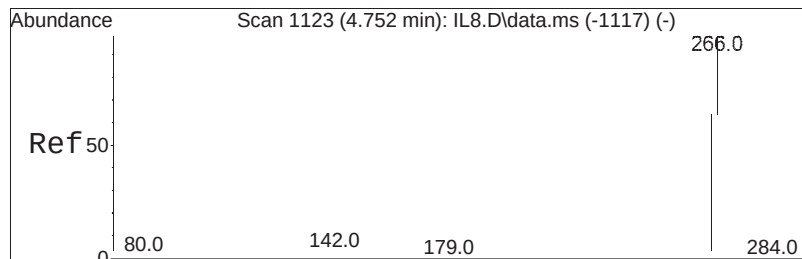




#25
 Hexachlorobenzene
 Concen: 1504.67 ng/ml
 RT: 4.556 min Scan# 1137
 Delta R.T. -0.005 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

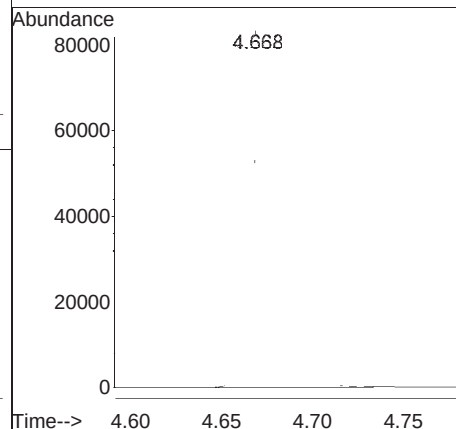
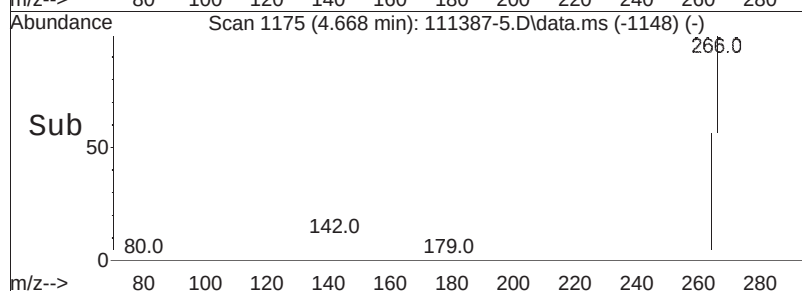
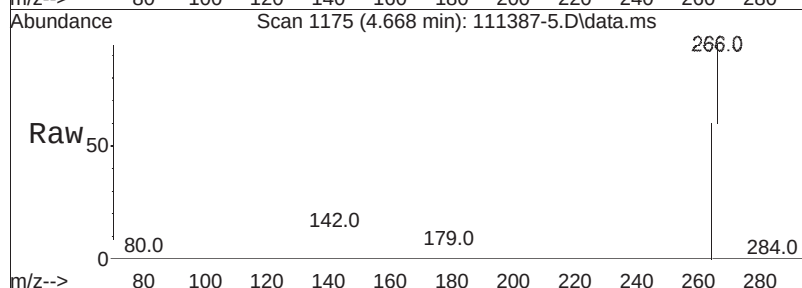
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.4	44.2

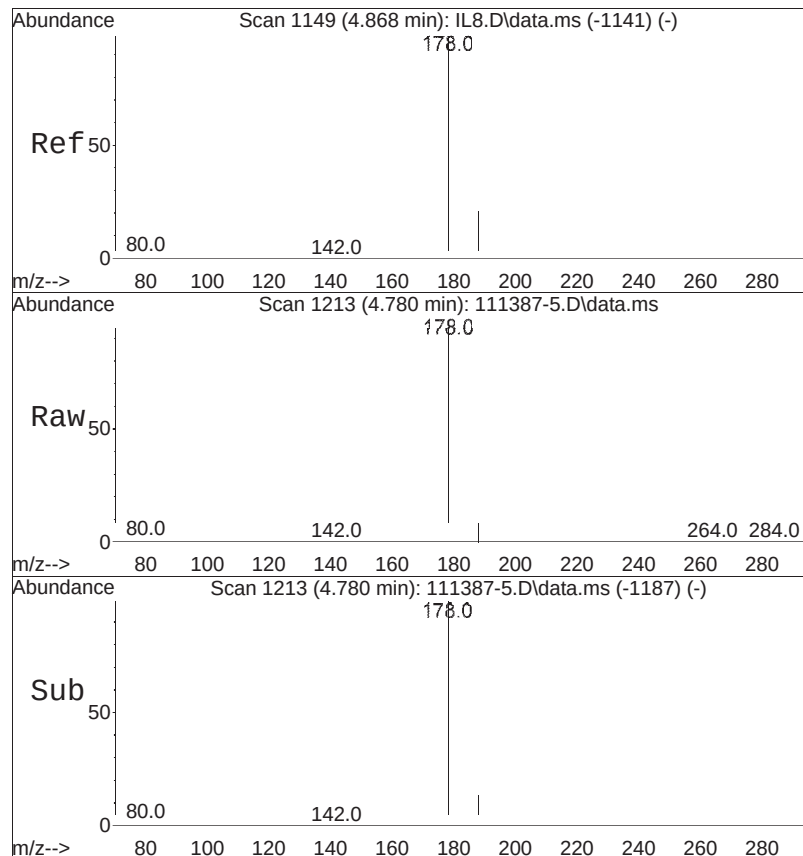




#26
 Pentachlorophenol
 Concen: 2272.12 ng/ml
 RT: 4.668 min Scan# 1175
 Delta R.T. -0.002 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

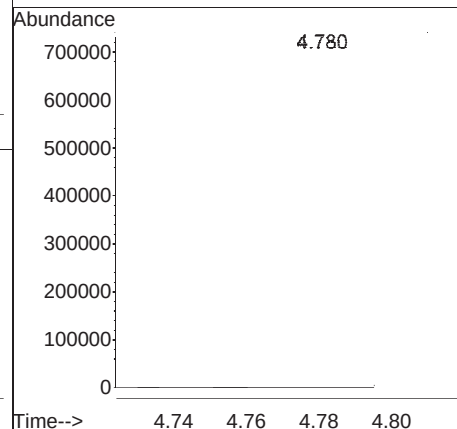
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.5	49.9	74.9

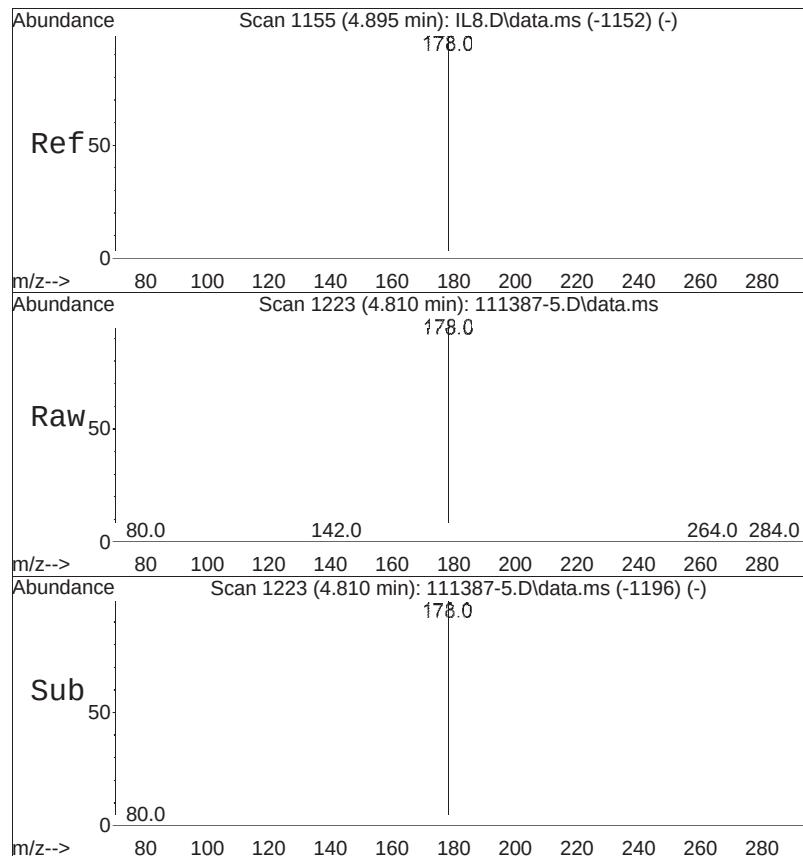




#27
 Phenanthrene
 Concen: 1485.11 ng/ml
 RT: 4.780 min Scan# 1213
 Delta R.T. -0.005 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

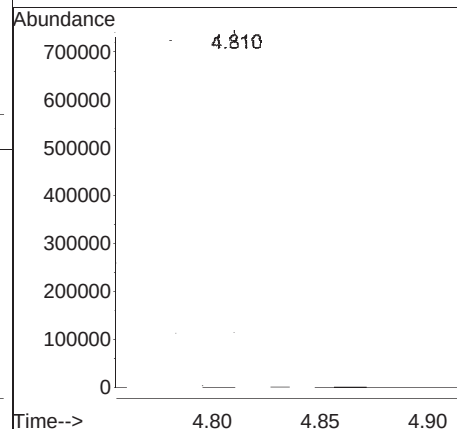
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

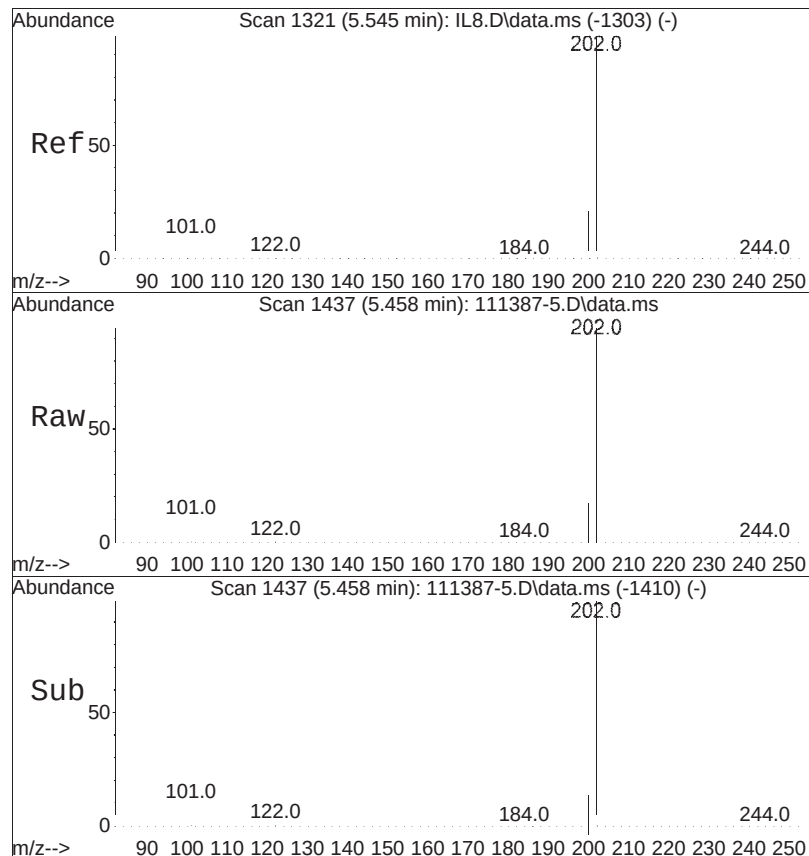




#28
 Anthracene
 Concen: 1564.42 ng/ml
 RT: 4.810 min Scan# 1223
 Delta R.T. -0.002 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

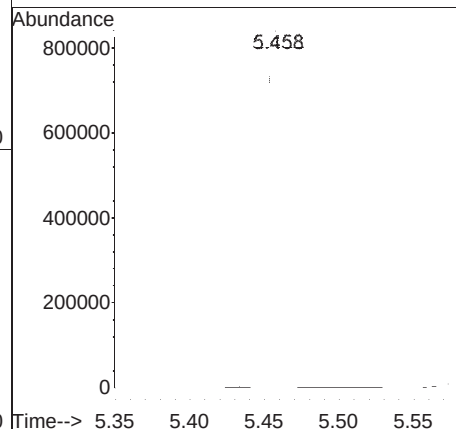
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

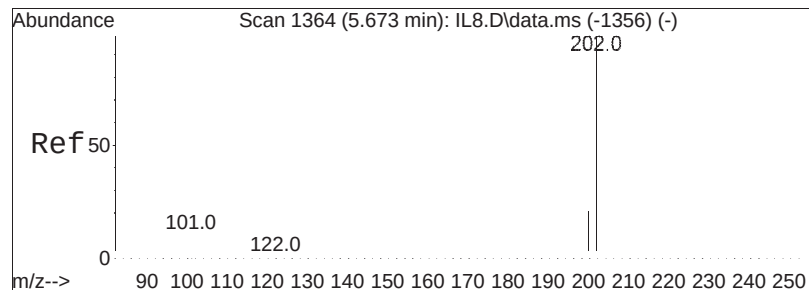




#29
 Fluoranthene
 Concen: 1597.48 ng/ml
 RT: 5.458 min Scan# 1437
 Delta R.T. -0.002 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

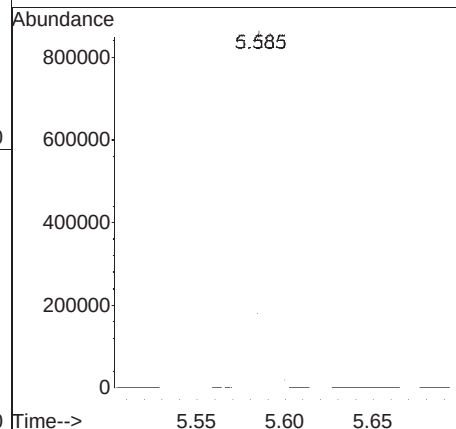
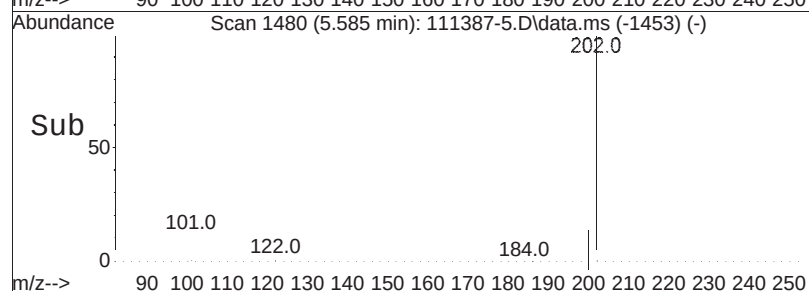
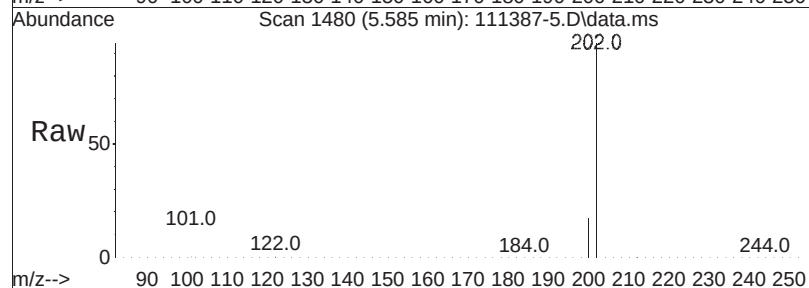
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		624409		
101	10.5		8.3	12.5	

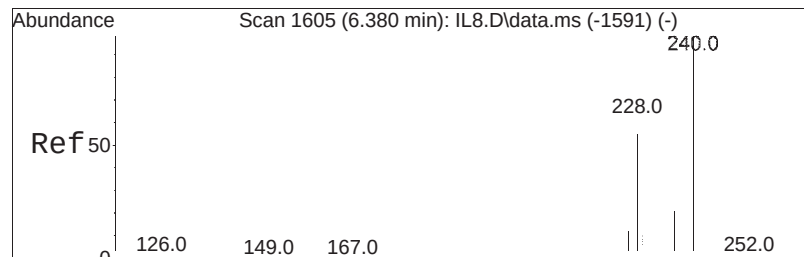




#30
 Pyrene
 Concen: 1577.69 ng/ml
 RT: 5.585 min Scan# 1480
 Delta R.T. -0.002 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2





#34

Benzo[a]anthracene

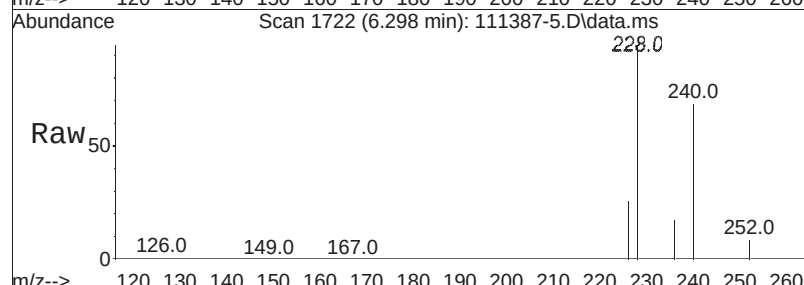
Concen: 1610.88 ng/ml

RT: 6.298 min Scan# 1722

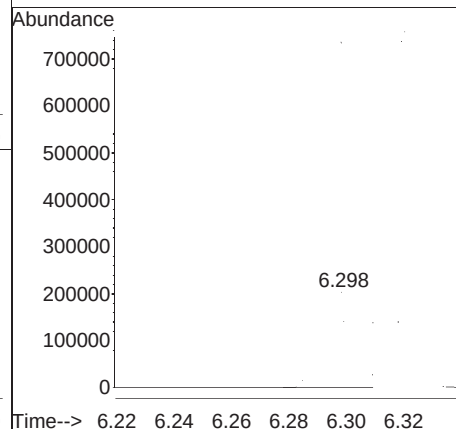
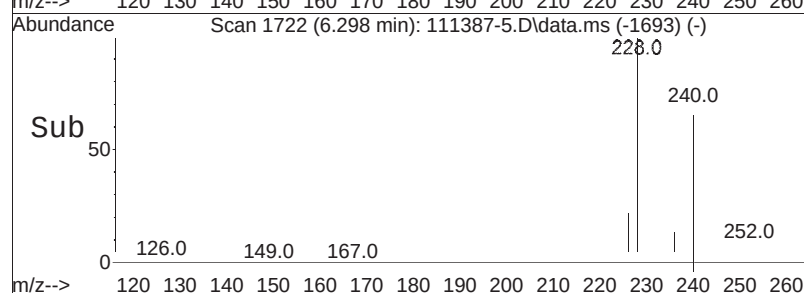
Delta R.T. -0.001 min

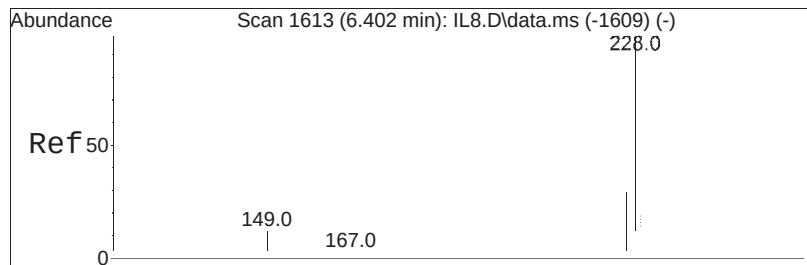
Lab File: 111387-5.D

Acq: 09 Sep 2025 11:47 pm



Tgt Ion:	226	Resp:	159797
Ion Ratio	Lower	Upper	
226	100		
229	70.4	56.4	84.6
228	357.6	287.5	431.3
229	70.4	56.4	84.6





#36

Chrysene

Concen: 1594.49 ng/ml

RT: 6.320 min Scan# 1730

Delta R.T. -0.001 min

Lab File: 111387-5.D

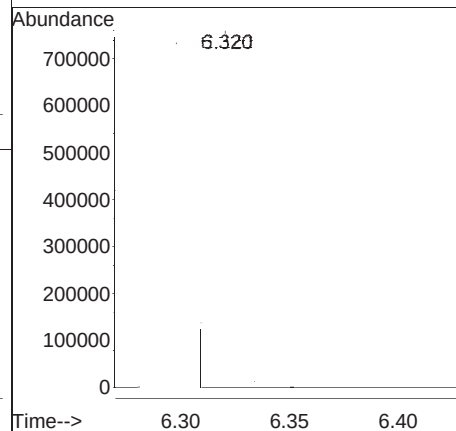
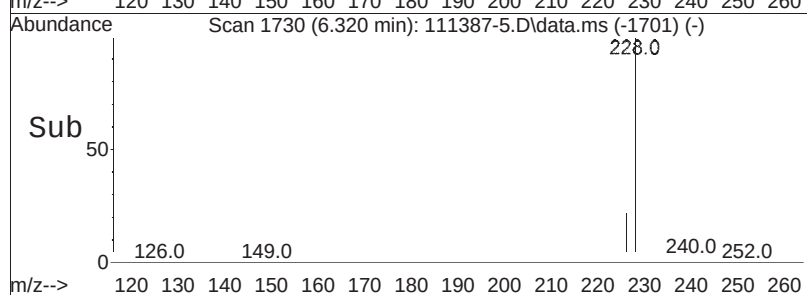
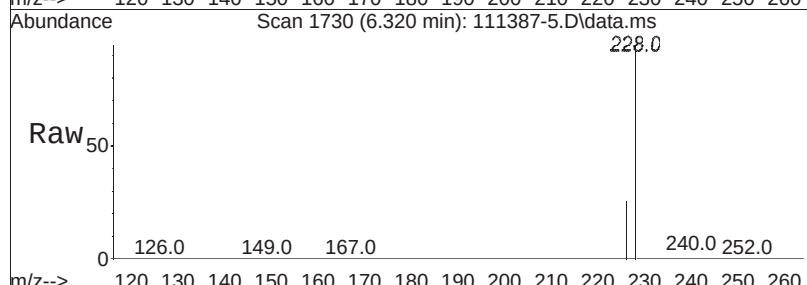
Acq: 09 Sep 2025 11:47 pm

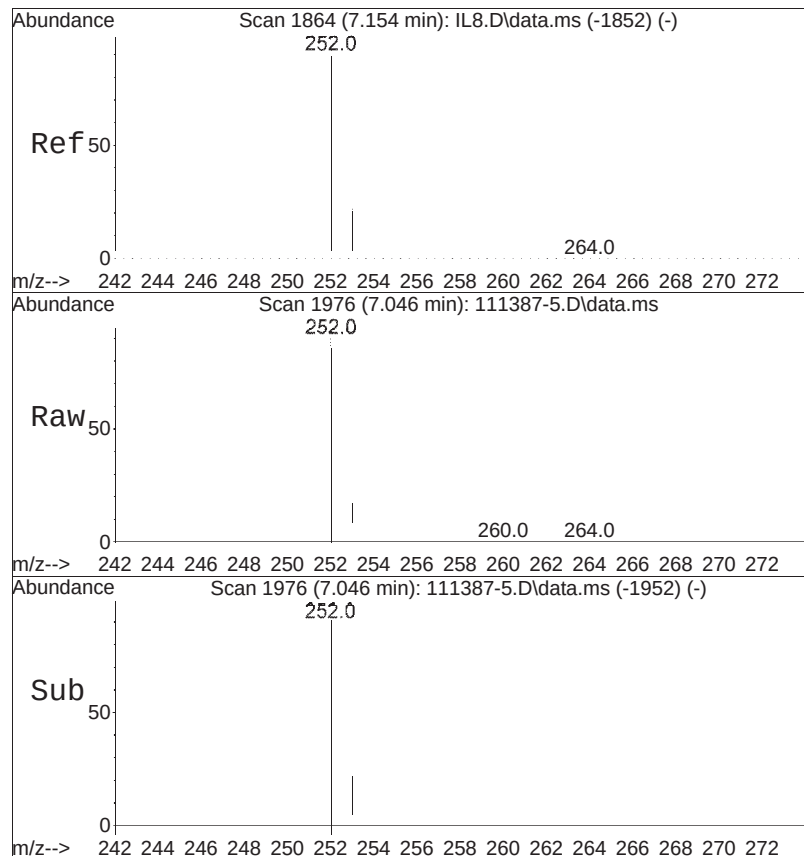
Tgt Ion: 228 Resp: 522136

Ion Ratio Lower Upper

228 100

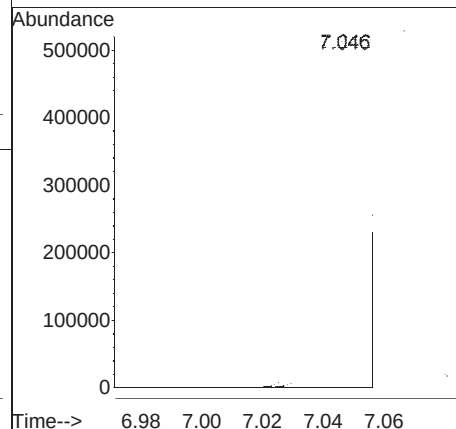
226 30.3 24.3 36.5

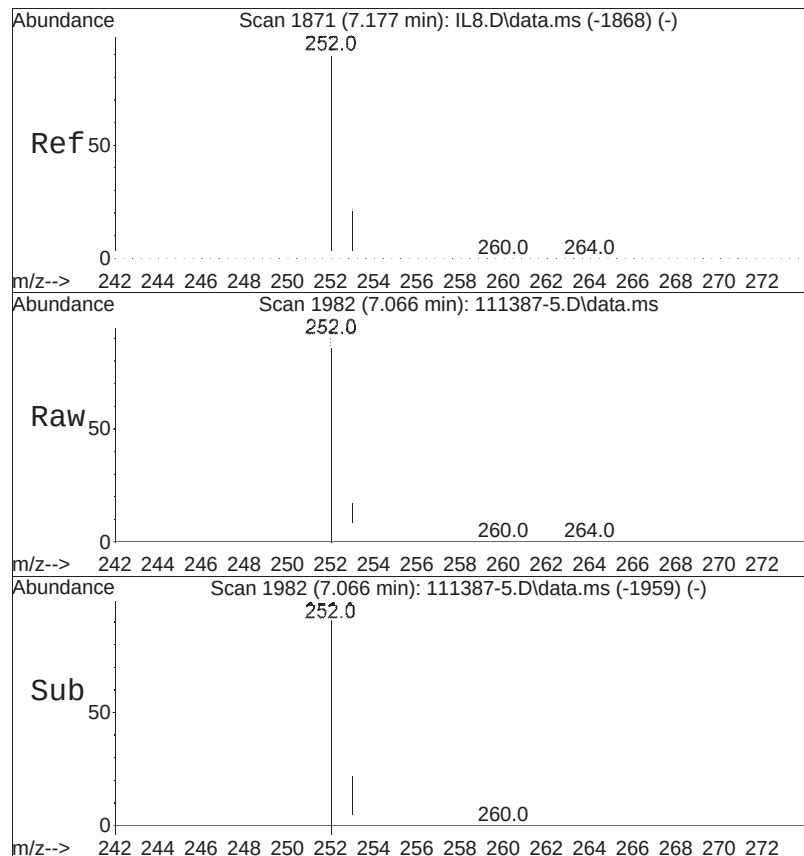




#39
 Benzo[b]fluoranthene
 Concen: 1729.93 ng/ml
 RT: 7.046 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

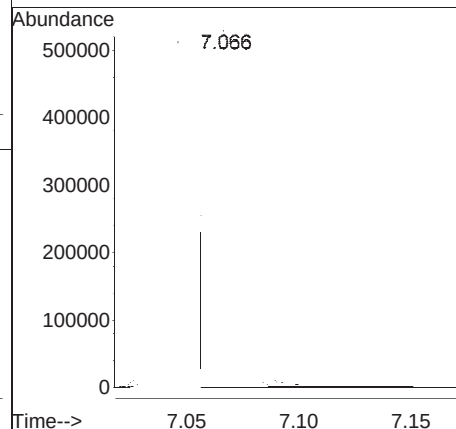
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.6	19.2	28.8	

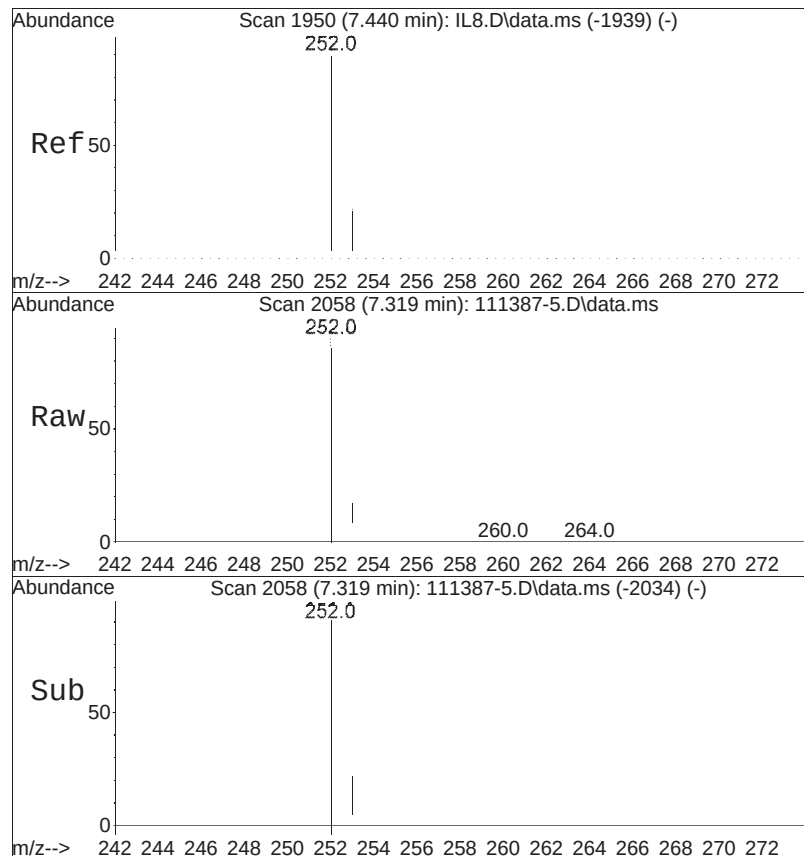




#40
 Benzo[k]fluoranthene
 Concen: 1576.72 ng/ml
 RT: 7.066 min Scan# 1982
 Delta R.T. -0.004 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

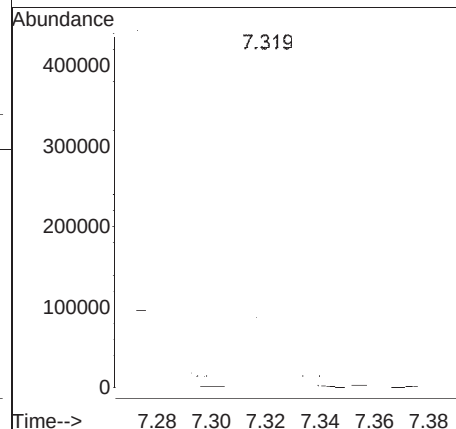
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	15.8	23.8

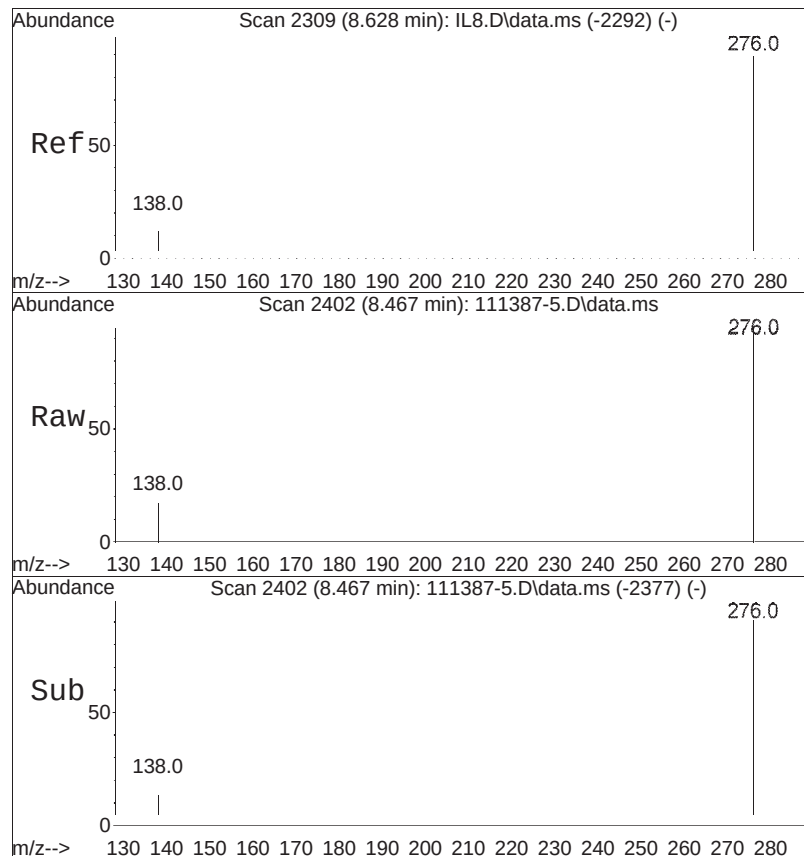




#41
 Benzo[a]pyrene
 Concen: 1681.91 ng/ml
 RT: 7.319 min Scan# 2058
 Delta R.T. -0.000 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

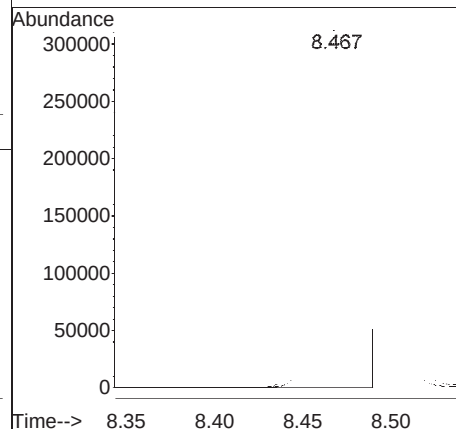
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.7	17.4	26.0	

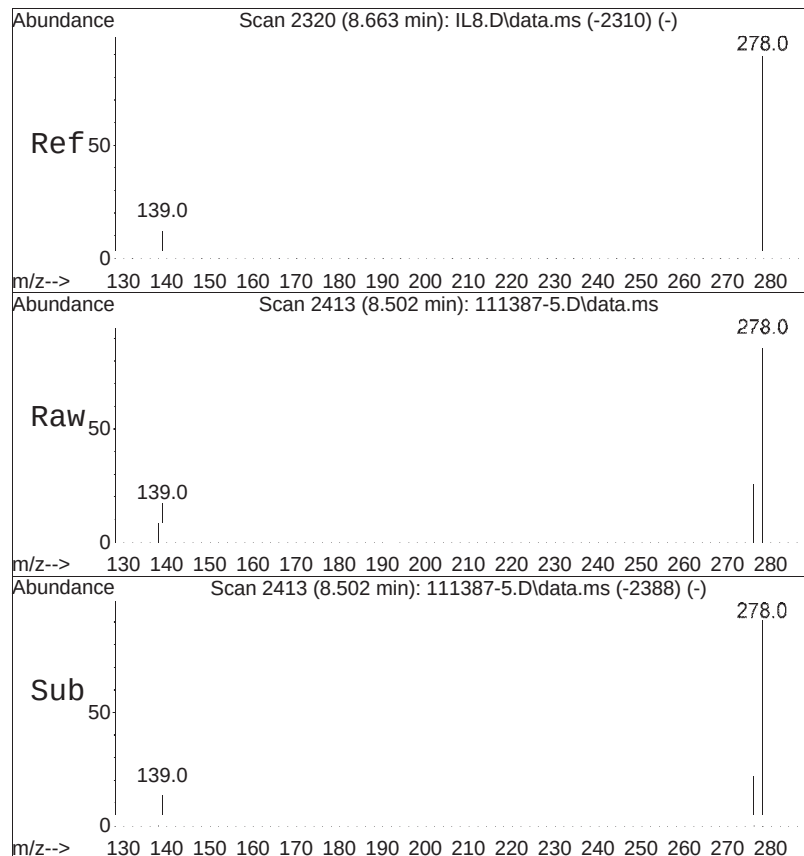




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1749.11 ng/ml
 RT: 8.467 min Scan# 2402
 Delta R.T. -0.003 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

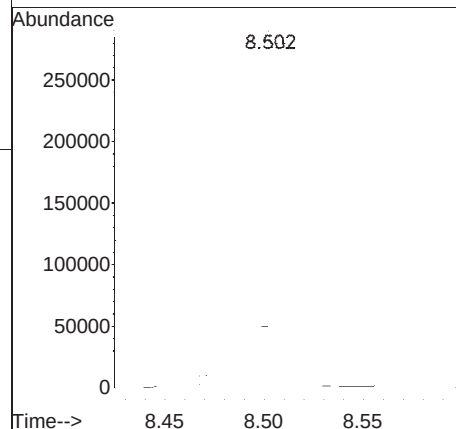
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	15.9	23.9

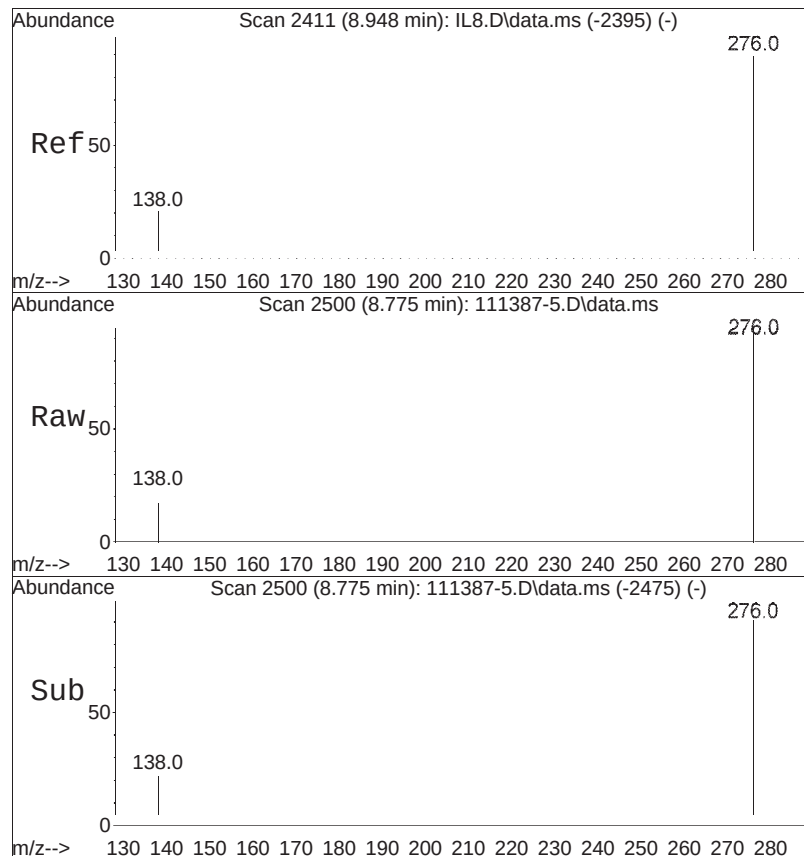




#43
 Dibenzo[a,h]anthracene
 Concen: 1617.54 ng/ml M6
 RT: 8.502 min Scan# 2413
 Delta R.T. -0.003 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

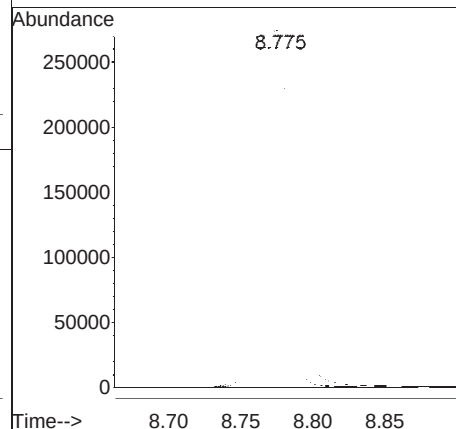
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1628.83 ng/ml
 RT: 8.775 min Scan# 2500
 Delta R.T. -0.003 min
 Lab File: 111387-5.D
 Acq: 09 Sep 2025 11:47 pm

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.1	27.1

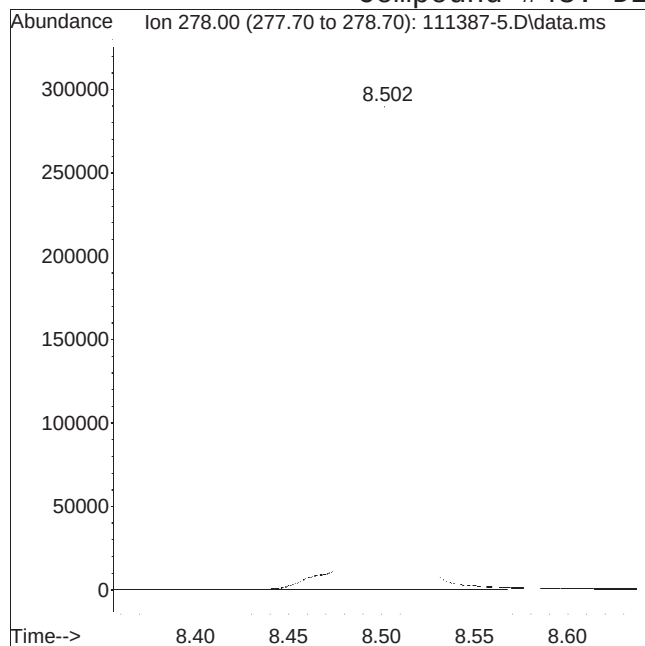


Manual Integration Report

Data Path : I:\8270SIM\SV125\250908nRV01
Data File : 111387-5.D
Date Inj'd : 9/9/2025 11:47 pm
Sample : WG2111387-5,32,,dv

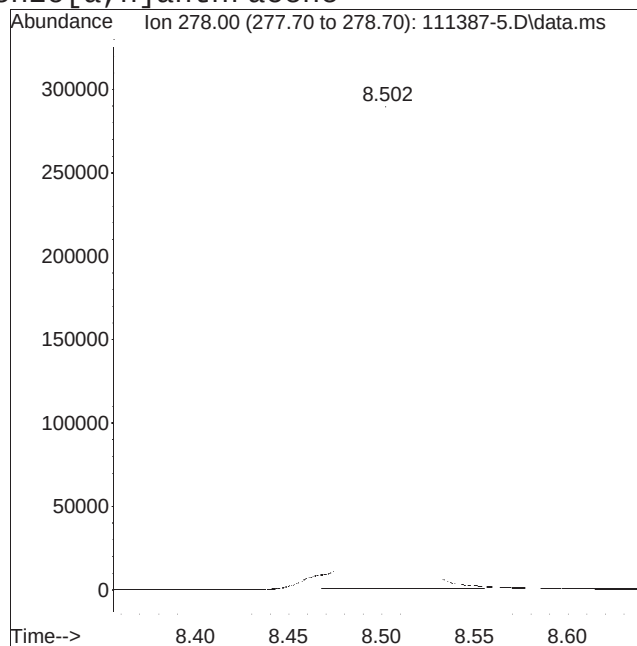
Method : SIM-RVT_250908_sv125.M
Operator : SV125:dv
Instrument : SV125
Quant Date : 9/10/2025 0:03 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 435179

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 422208 M6

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * 1000 * (1/V_o) * V_f$

Where:

DF = Dilution Factor

V_o = Volume of Sample (mL)

V_f = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $Amt * DF * 1000 * (1/W_t) * V_f * (100/TS)$

Where:

DF = Dilution Factor

W_t = Weight of Sample (g)

V_f = Extraction Lab Final Volume (mL)

TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Sep 11 2025, 07:48 am

Work Group: WG2111387 for Department: 2 Organic Preparation

Created: 06-SEP-25 Due: Operator: JCL

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2555000-01	TW-03-20250902	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0909	0916	S0	Amber-A.1
L2555333-01	TW-05-20250903	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0910	0912	S0	Amber-A.1
L2555333-02	TW-02-20250903	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0910	0912	S0	Amber-A.1
L2555459-01	ALB R0-TYPE II	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0912	NC	Amber-A.1
L2555605-01	MW-8S	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-02	MW-8D	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-03	MW-5D	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-04	PZ-5	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-05	MW-12D	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-06	MW-12S	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-07	MW-4S	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2555605-08	MW-4D2	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
WG2111387-1	Laboratory Method B1	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2111387-2	Laboratory Control S	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2111387-3	LCS Duplicate	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2111387-4	Matrix Spike	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2111387-5	Matrix Spike Duplica	S NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2111387-3 WG2111387-2
 WG2111387-4 L2555605-02
 WG2111387-5 L2555605-02

Analysis log File

Total Files Reported in Log : 13

Log Generated From Directory: I:\8270SIM\SV125\250908RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune.D	DFTPP(100ml)	TUNE #11473	WG2112310,,	9/8/2025 6:17 pm
2	IL10.D	SIM-RVT.M	IL10,32,,5 Lot# 11697	WG2112310,,	9/8/2025 7:01 pm
3	IL9.D	SIM-RVT.M	IL9,32,,2.5 Lot# 11699	WG2112310,,	9/8/2025 7:17 pm
4	IL8.D	SIM-RVT.M	IL8,32,,1 Lot# 11700	WG2112310,,	9/8/2025 7:34 pm
5	IL7.D	SIM-RVT.M	IL7,32,,0.5 Lot# 11701	WG2112310,,	9/8/2025 7:51 pm
6	IL6.D	SIM-RVT.M	IL6,32,,0.1 Lot# 11702	WG2112310,,	9/8/2025 8:07 pm
7	IL5.D	SIM-RVT.M	IL5,32,,0.04 Lot# 11703	WG2112310,,	9/8/2025 8:24 pm
8	IL4.D	SIM-RVT.M	IL4,32,,0.01 Lot# 11704	WG2112310,,	9/8/2025 8:41 pm
9	IL3.D	SIM-RVT.M	IL3,32,,0.005 Lot# 1170	WG2112310,,	9/8/2025 8:58 pm
10	IL2.D	SIM-RVT.M	IL2,32,,0.002 Lot# 1170	WG2112310,,	9/8/2025 9:14 pm
11	IL1.D	SIM-RVT.M	IL1,32,,0.001 Lot# 1170	WG2112310,,	9/8/2025 9:31 pm
13	insblk.D	SIM-RVT.M	Instrument Blank	WG2112310	9/8/2025 10:05 pm

Dep.: GCMS
 Inst: SV125
 Date: 09/09/25
 Run:

Method
 GC: SIM RVT
 Seq: WG2112407
 ICAL: 22616



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0909	wg-1,32,,SV125 lot#11857				09/09 RAP
49	ccv0909	wg-3,32,,ICV 11696 (0829e)				
49	ccv0909a	wg-3,32,,ICV 11696 (0829e)	PCP high			09/09 RAP
50	blk0909	Instrument Blank				
1	55902-02	L2555902-02,32,,R1C, RV,csn	RV - surr confirmation			09/09 RAP
2	902-02d1	L2555902-02d,32,10,R1C,csn	RV - surr confirmation			09/09 RAP
3	112140-2	WG2112140-2,32,,csn				09/10 csn
4	112140-3	WG2112140-3,32,,csn				09/10 csn
5	112140-1	WG2112140-1,32,,csn				09/10 csn
6	54253-18	L2554253-18,32,,csn				09/10 csn
7	111910-2	WG2111910-2,32,,csn				09/10 DV
8	111910-3	WG2111910-3,32,,csn				09/10 DV
9	111910-1	WG2111910-1,32,,csn				09/10 DV
10	39267-09	L2539267-09,32,,csn				
11	55272-04	L2555272-04,32,,csn				09/10 DV
12	55272-05	L2555272-05,32,,csn				09/10 DV
13	55272-06	L2555272-06,32,,csn				09/10 DV
14	5902-02	L2555902-02,32,,R1C, RV,csn				09/09 RAP
15	02-02d1	L2555902-02d,32,10,R1C, RV,csn				09/09 RAP
16	55475-19	L2555475-19,32,,csn				09/10 DV
17	111910-4	WG2111910-4,32,,csn				
18	111910-5	WG2111910-5,32,,csn				
19	111594-2	WG2111594-2,32,,RE,csn				09/10 DV
20	111594-3	WG2111594-3,32,,RE,csn				09/10 DV
21	111594-1	WG2111594-1,32,,RE,csn				09/10 DV
22	39267-22	L2539267-22,32,,RE,csn				
23	54655-04	L2554655-04,32,,RE,csn				
24	54976-01	L2554976-01,32,,RE,csn				
25	54976-02	L2554976-02,32,,RE,csn				
26	55580-01	L2555580-01,32,,csn				09/10 DV
27	55580-06	L2555580-06,32,,csn				09/10 DV
28	55580-07	L2555580-07,32,,csn			csn	09/10 DV
29	111387-2	WG2111387-2,32,,dv				09/10 RAP
30	111387-3	WG2111387-3,32,,dv				09/10 RAP
31	111387-1	WG2111387-1,32,,dv				09/10 RAP
32	55605-01	L2555605-01,32,,dv			dv/SV-R	09/10 RAP
33	54702-04	L2554702-04,32,,RV,rp				09/09 RAP
34	55605-03	L2555605-03,32,,dv			rap	09/10 DV
					Sv-dv	

Dep.: GCMS
 Inst: SV125
 Date: 09/09/25
 Run: n

Method
 GC: SIM RVT
 Seq: WG2112655
 ICAL: 22616



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0909n	wg-1,32,,SV125 lot#11857				09/10 RAP
49	ccv0909n	wg-3,32,,ICV 11696 (0829e)	PCP high			09/10 RAP
50	blk0909n	Instrument Blank				
1	55605-04	L2555605-04,32,,dv				09/10 DV
2	55605-05	L2555605-05,32,,dv				09/10 DV
3	55605-06	L2555605-06,32,,dv				09/10 DV
4	55605-07	L2555605-07,32,,dv				09/10 DV
5	55605-08	L2555605-08,32,,dv				09/10 DV
6	55605-02	L2555605-02,32,,dv				09/10 DV
7	111387-4	WG2111387-4,32,,dv				09/10 DV
8	111387-5	WG2111387-5,32,,dv				09/10 DV
9	55333-01	L2555333-01,32,,dv				09/10 DV
10	55333-02	L2555333-02,32,,dv				09/10 DV
11	111702-2	WG2111702-2,32,,dv				09/10 DV
12	111702-3	WG2111702-3,32,,dv				09/10 DV
13	111702-1	WG2111702-1,32,,dv				09/10 DV
14	55531-01	L2555531-01,32,,dv				09/10 DV
15	109108-2	WG2109108-2,32,,dv				09/10 DV
16	109108-3	WG2109108-3,32,,dv				09/10 DV
17	109108-1	WG2109108-1,32,,dv				09/10 DV
18	54065-02	L2554065-02,32,,dv				09/10 DV
19	109108-4	WG2109108-4,32,,dv				09/10 DV
20	109108-5	WG2109108-5,32,,dv				09/10 DV
21	54065-09	L2554065-09,32,,dv				09/10 DV
22	54065-10	L2554065-10,32,,dv				09/10 DV
23	54363-01	L2554363-01,32,,dv				09/10 DV
24	54363-02	L2554363-02,32,,dv				09/10 DV
25	54363-03	L2554363-03,32,,dv				09/10 DV
26	54320-06	L2554320-06,32,,dv				09/10 DV
27	111568-2	WG2111568-2,32,,dv				09/10 DV
28	111568-3	WG2111568-3,32,,dv				09/10 DV
29	111568-1	WG2111568-1,32,,dv				09/10 DV
30	55251-01	L2555251-01,32,,dv				09/10 DV
31	55251-02	L2555251-02,32,,dv				09/10 DV
32	55251-03	L2555251-03,32,,dv				09/10 DV
33	55251-04	L2555251-04,32,,dv				09/10 DV
34	55251-05	L2555251-05,32,,dv				09/10 DV
35	55251-06	L2555251-06,32,,dv				09/10 DV
36	55251-07	L2555251-07,32,,dv				09/10 DV
37	55251-08	L2555251-08,32,,dv				09/10 DV
38	55251-09	L2555251-09,32,,dv				09/10 DV
39	55251-10	L2555251-10,32,,dv				09/10 DV
40	55251-11	L2555251-11,32,,dv				09/10 DV
41	55251-12	L2555251-12,32,,dv	RRUN OTT		dv	09/10 DV

250909n

2025

SV125

Dep.: GCMS
Inst: SV125
Date: **09/09/25**
Run: n

Method
GC: SIM RVT

Seq: WG2112655
ICAL: 22616



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
					Sv-csn	



ORGANIC ELN REPORT

Workgroup: WG2111387

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN-SIM Spike Verify by: JCL Lims Spikelot: 8270-RVT Additional Reagents/Stdts	Lot #: EK611 Lot #: 11819aj,01/30/2026,2r,7,1 Lot #: 11808-AG,11/30/2025,11818ao		Conc.Method: Buchi Solvent Type: DCM Lot #: EK611 Additional Reagents/Stdts	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Stdts
	H2SO4	A062825		
	Na2SO4	244434		
	NaOH	10NNaOH070625		

Extraction							Concentration			
Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2555000-01 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555333-01 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555333-02 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555459-01 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K
L2555605-01 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1		09/06/25 06:42	Rebecca Corbin	1	K



ORGANIC ELN REPORT

Workgroup: WG2111387

Extraction											Concentration			
Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml					Conc Date	Analyst	Final Vol ml	Conc Unit
L2555605-02 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1						09/06/25 06:42	Rebecca Corbin	1	K
L2555605-03 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1						09/06/25 06:42	Rebecca Corbin	1	K
L2555605-04 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1						09/06/25 06:42	Rebecca Corbin	1	K
L2555605-05 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1						09/06/25 06:42	Rebecca Corbin	1	K
L2555605-06 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1						09/06/25 06:42	Rebecca Corbin	1	K
L2555605-07 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1						09/06/25 06:42	Rebecca Corbin	1	K
L2555605-08 SAMP	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1						09/06/25 06:42	Rebecca Corbin	1	K
WG2111387-1 BLANK	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1						09/06/25 06:42	Rebecca Corbin	1	K
WG2111386														



ORGANIC ELN REPORT

Workgroup: WG2111387

Extraction											Concentration			
Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml					Conc Date	Analyst	Final Vol ml	Conc Unit
WG2111387 -2 LCS	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1	.1					09/06/25 06:42	Rebecca Corbin	1	K
WG2111387 -3 LCSD	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1	.1					09/06/25 06:42	Rebecca Corbin	1	K
WG2111387 -4 MS	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1	.1					09/06/25 06:42	Rebecca Corbin	1	K
WG2111387 -5 MSD	09/06/25 06:06	Jessica Labossier e	100	<2,>12	.1	.1					09/06/25 06:42	Rebecca Corbin	1	K

Metals

Inorganic Data (ICP Analysis)

Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 11:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: LRS
Lab File ID	: WG2111813.pdf	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/06/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	0.0071	0.0500	0.0071	J
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0330	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	13.0	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	6.05	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.28	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	17.7	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0030	0.0050	0.0021	J



Form 1 METALS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111346-1
 Client ID : WG2111346-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2111813.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/08/25 11:10
 Dilution Factor : 1
 Analyst : LRS
 Instrument ID : TRACE5
 %Solids : N/A
 Date Digested : 09/06/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	ND	0.100	0.0350	U
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	ND	0.100	0.0153	U
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111346-6
Client ID : Serial Dilution
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2111813.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected :
Date Received :
Date Analyzed : 09/08/25 11:47
Dilution Factor : 5
Analyst : LRS
Instrument ID : TRACE5
%Solids : N/A
Date Digested : 09/06/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-70-2	Calcium, Total	13.5	0.500	0.175	
7439-95-4	Magnesium, Total	6.11	0.500	0.077	



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 08:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: MFR
Lab File ID	: WG2113116.pdf	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.140	0.100	0.0318	
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-39-3	Barium, Total	0.0340	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	12.2	0.100	0.0350	
7440-47-3	Chromium, Total	0.0041	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.201	0.0500	0.0090	
7439-92-1	Lead, Total	0.0041	0.0100	0.0027	J
7439-95-4	Magnesium, Total	5.56	0.100	0.0153	
7439-96-5	Manganese, Total	0.0768	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.10	2.50	0.237	J
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	8.25	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0040	0.0050	0.0021	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 08:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: MFR
Lab File ID	: WG2113116.pdf	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.114	0.100	0.0318	
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-39-3	Barium, Total	0.0453	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	15.4	0.100	0.0350	
7440-47-3	Chromium, Total	0.0023	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.412	0.0500	0.0090	
7439-92-1	Lead, Total	0.0052	0.0100	0.0027	J
7439-95-4	Magnesium, Total	6.57	0.100	0.0153	
7439-96-5	Manganese, Total	0.0156	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.22	2.50	0.237	J
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	17.7	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	0.0020	0.0100	0.0020	J
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 08:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: MFR
Lab File ID	: WG2113116.pdf	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-39-3	Barium, Total	0.0230	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	34.3	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	6.92	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.23	2.50	0.237	J
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	2.21	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 08:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: MFR
Lab File ID	: WG2113116.pdf	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	0.0085	0.0500	0.0071	J
7440-39-3	Barium, Total	0.0361	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	13.6	0.100	0.0350	
7440-47-3	Chromium, Total	0.0040	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0438	0.0500	0.0090	J
7439-92-1	Lead, Total	0.0029	0.0100	0.0027	J
7439-95-4	Magnesium, Total	5.18	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.05	2.50	0.237	J
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	13.7	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0099	0.0050	0.0021	



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 08:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: MFR
Lab File ID	: WG2113116.pdf	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.0707	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-39-3	Barium, Total	0.0414	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	7.71	0.100	0.0350	
7440-47-3	Chromium, Total	0.0056	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	0.0032	0.0100	0.0022	J
7439-89-6	Iron, Total	0.171	0.0500	0.0090	
7439-92-1	Lead, Total	0.0031	0.0100	0.0027	J
7439-95-4	Magnesium, Total	2.81	0.100	0.0153	
7439-96-5	Manganese, Total	0.0303	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	0.970	2.50	0.237	J
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	32.7	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0036	0.0050	0.0021	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 08:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: MFR
Lab File ID	: WG2113116.pdf	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	0.0130	0.0500	0.0071	J
7440-39-3	Barium, Total	0.0278	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	11.2	0.100	0.0350	
7440-47-3	Chromium, Total	0.0024	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0331	0.0500	0.0090	J
7439-92-1	Lead, Total	0.0048	0.0100	0.0027	J
7439-95-4	Magnesium, Total	3.56	0.100	0.0153	
7439-96-5	Manganese, Total	0.0179	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.34	2.50	0.237	J
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	46.3	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 08:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: MFR
Lab File ID	: WG2113116.pdf	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-39-3	Barium, Total	0.0153	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	12.2	0.100	0.0350	
7440-47-3	Chromium, Total	0.0040	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0151	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.47	0.100	0.0153	
7439-96-5	Manganese, Total	0.0019	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	0.934	2.50	0.237	J
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	8.62	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111288-1
 Client ID : WG2111288-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2113116.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/11/25 06:47
 Dilution Factor : 1
 Analyst : MFR
 Instrument ID : TRACE9
 %Solids : N/A
 Date Digested : 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	ND	0.100	0.0350	U
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	ND	0.100	0.0153	U
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	0.0031	0.0200	0.0025	J
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111288-4
Client ID : WG2111288-4 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2113116.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/03/25 10:05
Date Received : 09/04/25
Date Analyzed : 09/11/25 07:10
Dilution Factor : 1
Analyst : MFR
Instrument ID : TRACE9
%Solids : N/A
Date Digested : 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-89-6	Iron, Total	39.6	0.0500	0.009	



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111288-8
Client ID : WG2111288-8 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2113116.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/03/25 11:45
Date Received : 09/04/25
Date Analyzed : 09/11/25 07:39
Dilution Factor : 1
Analyst : MFR
Instrument ID : TRACE9
%Solids : N/A
Date Digested : 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-89-6	Iron, Total	1.95	0.0500	0.009	



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 16:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.pdf	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0330	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	12.1	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0105	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.74	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0699	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.08	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	8.48	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0044	0.0050	0.0021	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 15:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.pdf	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0286	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	12.0	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.55	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.15	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	15.9	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 16:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.pdf	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0462	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	15.6	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	7.04	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.25	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	18.6	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 16:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.pdf	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0227	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	33.6	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	6.90	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.25	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	2.28	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0022	0.0050	0.0021	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 17:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.pdf	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0359	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	13.3	0.100	0.0350	
7440-47-3	Chromium, Dissolved	0.0037	0.0100	0.0021	J
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.39	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	0.0035	0.0250	0.0024	J
7440-09-7	Potassium, Dissolved	1.07	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	13.9	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0109	0.0050	0.0021	



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 17:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.pdf	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0410	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	7.73	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0022	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	2.91	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0220	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	0.980	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	33.3	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0049	0.0050	0.0021	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 17:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.pdf	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0257	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	10.5	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	3.60	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.29	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	44.8	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 17:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.pdf	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0149	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	11.7	0.100	0.0350	
7440-47-3	Chromium, Dissolved	0.0025	0.0100	0.0021	J
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.64	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	0.937	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	8.53	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2112034-1
 Client ID : WG2112034-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2113407.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/11/25 15:39
 Dilution Factor : 1
 Analyst : JMF
 Instrument ID : TRACE8
 %Solids : N/A
 Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0350	U
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0035	0.0050	0.0021	J



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112034-6
Client ID : Serial Dilution
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2113407.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected :
Date Received :
Date Analyzed : 09/11/25 16:10
Dilution Factor : 5
Analyst : JMF
Instrument ID : TRACE8
%Solids : N/A
Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-70-2	Calcium, Dissolved	12.1	0.500	0.175	
7439-95-4	Magnesium, Dissolved	5.54	0.500	0.077	



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 18:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.csv	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 18:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.csv	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 18:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.csv	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 18:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.csv	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 18:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.csv	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 18:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.csv	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 18:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2113407.csv	Instrument ID	: TRACE8
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111288-1
 Client ID : WG2111288-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2113407.csv
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/11/25 18:06
 Dilution Factor : 1
 Analyst : JMF
 Instrument ID : TRACE8
 %Solids : N/A
 Date Digested : 09/05/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE5

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.5110	102							
Antimony	0.500	0.5120	102							
Arsenic	0.500	0.4810	96							
Barium	0.500	0.5000	100							
Beryllium	0.500	0.5160	103							
Cadmium	0.500	0.4990	100							
Calcium	0.500	0.5200	104							
Chromium	0.500	0.5180	104							
Cobalt	0.500	0.5060	101							
Copper	0.500	0.5180	104							
Iron	0.500	0.5280	106							
Lead	0.500	0.5140	103							
Magnesium	0.500	0.5260	105							
Manganese	0.500	0.5200	104							
Nickel	0.500	0.5130	103							
Potassium	5.00	5.0800	102							
Selenium	0.500	0.4960	99							
Silver	0.500	0.5100	102							
Sodium	10.0	10.1000	101							
Thallium	0.500	0.5180	104							
Vanadium	0.500	0.5200	104							
Zinc	0.500	0.5060	101							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE5

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID	Initial Calibration			Continuing Calibration(s)						
	Date Analyzed :	R2008018-3			R2008018-6			R2008018-8		R2008018-10	
		09/08/25 06:15			09/08/25 08:30			09/08/25 08:55		09/08/25 10:27	
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum		0.500	0.5100	102	0.5000	0.502	100	0.510	102	0.513	103
Antimony		0.500	0.5120	102	0.5000	0.510	102	0.513	103	0.523	105
Arsenic		0.500	0.4850	97	0.5000	0.487	97	0.490	98	0.489	98
Barium		0.500	0.5150	103	0.5000	0.502	100	0.512	102	0.524	105
Beryllium		0.500	0.5250	105	0.5000	0.523	105	0.532	106	0.526	105
Cadmium		0.500	0.5010	100	0.5000	0.494	99	0.495	99	0.498	100
Calcium		0.500	0.5280	106	0.5000	0.517	103	0.521	104	0.523	105
Chromium		0.500	0.5190	104	0.5000	0.510	102	0.512	102	0.510	102
Cobalt		0.500	0.5080	102	0.5000	0.501	100	0.503	101	0.508	102
Copper		0.500	0.5210	104	0.5000	0.514	103	0.515	103	0.514	103
Iron		0.500	0.5210	104	0.5000	0.603	121	0.510	102	0.506	101
Lead		0.500	0.5160	103	0.5000	0.519	104	0.523	105	0.521	104
Magnesium		0.500	0.5300	106	0.5000	0.533	107	0.541	108	0.525	105
Manganese		0.500	0.5330	107	0.5000	0.520	104	0.527	105	0.522	104
Nickel		0.500	0.5130	103	0.5000	0.517	103	0.520	104	0.521	104
Potassium		5.00	5.2400	105	5.0000	5.03	101	5.09	102	5.40	108
Selenium		0.500	0.4960	99	0.5000	0.503	101	0.506	101	0.506	101
Silver		0.500	0.4930	99	0.5000	0.507	101	0.492	98	0.486	97
Sodium		10.0	10.3000	103	10.0000	10.3	103	10.6	106	10.9	109
Thallium		0.500	0.5220	104	0.5000	0.512	102	0.514	103	0.519	104
Vanadium		0.500	0.5210	104	0.5000	0.520	104	0.524	105	0.520	104
Zinc		0.500	0.5070	101	0.5000	0.504	101	0.506	101	0.505	101

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE5

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum				0.5000	0.516	103				
Antimony				0.5000	0.519	104				
Arsenic				0.5000	0.492	98				
Barium				0.5000	0.526	105				
Beryllium				0.5000	0.525	105				
Cadmium				0.5000	0.497	99				
Calcium				0.5000	0.517	103				
Chromium				0.5000	0.510	102				
Cobalt				0.5000	0.508	102				
Copper				0.5000	0.513	103				
Iron				0.5000	0.505	101				
Lead				0.5000	0.522	104				
Magnesium				0.5000	0.525	105				
Manganese				0.5000	0.523	105				
Nickel				0.5000	0.522	104				
Potassium				5.0000	5.38	108				
Selenium				0.5000	0.507	101				
Silver				0.5000	0.487	97				
Sodium				10.0000	10.8	108				
Thallium				0.5000	0.519	104				
Vanadium				0.5000	0.520	104				
Zinc				0.5000	0.504	101				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R2009157-1		R2009157-4			R2009157-6		R2009157-8		
	Date Analyzed:	09/10/25 16:33		09/10/25 17:41			09/10/25 18:43		09/10/25 19:37		
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Aluminum	0.500	0.5010	100	0.5000	0.490	98	0.487	97	0.483	97	
Antimony	0.500	0.5120	102	0.5000	0.515	103	0.513	103	0.507	101	
Arsenic	0.500	0.4960	99	0.5000	0.495	99	0.494	99	0.482	96	
Barium	0.500	0.5030	101	0.5000	0.505	101	0.502	100	0.496	99	
Beryllium	0.500	0.5160	103	0.5000	0.518	104	0.514	103	0.508	102	
Cadmium	0.500	0.5060	101	0.5000	0.510	102	0.509	102	0.505	101	
Calcium	0.500	0.5060	101	0.5000	0.508	102	0.510	102	0.494	99	
Chromium	0.500	0.5070	101	0.5000	0.512	102	0.510	102	0.507	101	
Cobalt	0.500	0.5080	102	0.5000	0.511	102	0.511	102	0.504	101	
Copper	0.500	0.4980	100	0.5000	0.501	100	0.499	100	0.494	99	
Iron	0.500	0.5110	102	0.5000	0.509	102	0.508	102	0.496	99	
Lead	0.500	0.5160	103	0.5000	0.518	104	0.512	102	0.506	101	
Magnesium	0.500	0.4960	99	0.5000	0.501	100	0.501	100	0.500	100	
Manganese	0.500	0.5160	103	0.5000	0.516	103	0.519	104	0.515	103	
Nickel	0.500	0.5070	101	0.5000	0.513	103	0.507	101	0.509	102	
Potassium	5.00	5.2600	105	5.0000	5.23	105	5.22	104	5.14	103	
Selenium	0.500	0.4980	100	0.5000	0.500	100	0.494	99	0.486	97	
Silver	0.500	0.4900	98	0.5000	0.492	98	0.490	98	0.483	97	
Sodium	10.0	10.4000	104	10.0000	10.5	105	10.4	104	10.3	103	
Thallium	0.500	0.4930	99	0.5000	0.500	100	0.500	100	0.492	98	
Vanadium	0.500	0.5070	101	0.5000	0.510	102	0.512	102	0.506	101	
Zinc	0.500	0.5140	103	0.5000	0.522	104	0.517	103	0.515	103	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration		Continuing Calibration(s)							
		True	Found	%R	R2009157-10 09/10/25 20:24		R2009157-12 09/10/25 21:21		R2009157-14 09/10/25 22:05		
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.477	95	0.475	95	0.476	95
Antimony					0.5000	0.510	102	0.509	102	0.510	102
Arsenic					0.5000	0.480	96	0.478	96	0.481	96
Barium					0.5000	0.495	99	0.492	98	0.496	99
Beryllium					0.5000	0.507	101	0.504	101	0.511	102
Cadmium					0.5000	0.513	103	0.500	100	0.504	101
Calcium					0.5000	0.504	101	0.503	101	0.506	101
Chromium					0.5000	0.513	103	0.501	100	0.507	101
Cobalt					0.5000	0.515	103	0.503	101	0.506	101
Copper					0.5000	0.503	101	0.490	98	0.493	99
Iron					0.5000	0.496	99	0.492	98	0.497	99
Lead					0.5000	0.506	101	0.503	101	0.507	101
Magnesium					0.5000	0.509	102	0.495	99	0.498	100
Manganese					0.5000	0.512	102	0.512	102	0.518	104
Nickel					0.5000	0.513	103	0.501	100	0.507	101
Potassium					5.0000	5.12	102	5.09	102	5.15	103
Selenium					0.5000	0.488	98	0.486	97	0.490	98
Silver					0.5000	0.490	98	0.478	96	0.483	97
Sodium					10.0000	10.2	102	10.2	102	10.2	102
Thallium					0.5000	0.491	98	0.485	97	0.489	98
Vanadium					0.5000	0.515	103	0.501	100	0.506	101
Zinc					0.5000	0.520	104	0.508	102	0.514	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration		Continuing Calibration(s)						
		True	Found	%R	R2009157-16 09/10/25 23:19		R2009157-18 09/10/25 23:25		R2009157-20 09/11/25 05:37	
					True	Found	%R	Found	%R	Found
Aluminum				0.5000	0.473	95	0.473	95	0.464	93
Antimony				0.5000	0.512	102	0.507	101	0.515	103
Arsenic				0.5000	0.474	95	0.470	94	0.481	96
Barium				0.5000	0.492	98	0.496	99	0.489	98
Beryllium				0.5000	0.506	101	0.510	102	0.507	101
Cadmium				0.5000	0.502	100	0.503	101	0.503	101
Calcium				0.5000	0.503	101	0.502	100	0.497	99
Chromium				0.5000	0.501	100	0.503	101	0.498	100
Cobalt				0.5000	0.505	101	0.506	101	0.504	101
Copper				0.5000	0.491	98	0.489	98	0.490	98
Iron				0.5000	0.493	99	0.495	99	0.494	99
Lead				0.5000	0.502	100	0.500	100	0.503	101
Magnesium				0.5000	0.499	100	0.502	100	0.499	100
Manganese				0.5000	0.514	103	0.518	104	0.510	102
Nickel				0.5000	0.504	101	0.503	101	0.492	98
Potassium				5.0000	5.13	103	5.16	103	5.11	102
Selenium				0.5000	0.482	96	0.483	97	0.487	97
Silver				0.5000	0.478	96	0.479	96	0.478	96
Sodium				10.0000	10.2	102	10.2	102	10.2	102
Thallium				0.5000	0.484	97	0.479	96	0.484	97
Vanadium				0.5000	0.506	101	0.503	101	0.503	101
Zinc				0.5000	0.510	102	0.510	102	0.500	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009157-22 09/11/25 06:29			R2009157-24 09/11/25 07:20		R2009157-26 09/11/25 07:48	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.462	92	0.461	92	0.459	92
Antimony					0.5000	0.535	107	0.532	106	0.528	106
Arsenic					0.5000	0.474	95	0.478	96	0.477	95
Barium					0.5000	0.490	98	0.495	99	0.490	98
Beryllium					0.5000	0.505	101	0.508	102	0.504	101
Cadmium					0.5000	0.497	99	0.504	101	0.502	100
Calcium					0.5000	0.504	101	0.504	101	0.494	99
Chromium					0.5000	0.494	99	0.505	101	0.500	100
Cobalt					0.5000	0.498	100	0.507	101	0.504	101
Copper					0.5000	0.488	98	0.496	99	0.494	99
Iron					0.5000	0.491	98	0.496	99	0.490	98
Lead					0.5000	0.499	100	0.507	101	0.507	101
Magnesium					0.5000	0.493	99	0.505	101	0.494	99
Manganese					0.5000	0.508	102	0.513	103	0.508	102
Nickel					0.5000	0.488	98	0.497	99	0.494	99
Potassium					5.0000	5.12	102	5.14	103	5.11	102
Selenium					0.5000	0.484	97	0.491	98	0.489	98
Silver					0.5000	0.475	95	0.484	97	0.482	96
Sodium					10.0000	10.2	102	10.2	102	10.2	102
Thallium					0.5000	0.483	97	0.492	98	0.489	98
Vanadium					0.5000	0.498	100	0.508	102	0.506	101
Zinc					0.5000	0.495	99	0.504	101	0.500	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009157-28 09/11/25 08:17			R2009157-30 09/11/25 08:50			
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.474	95	0.463	93		
Antimony					0.5000	0.528	106	0.516	103		
Arsenic					0.5000	0.484	97	0.477	95		
Barium					0.5000	0.496	99	0.488	98		
Beryllium					0.5000	0.511	102	0.505	101		
Cadmium					0.5000	0.504	101	0.502	100		
Calcium					0.5000	0.502	100	0.501	100		
Chromium					0.5000	0.505	101	0.500	100		
Cobalt					0.5000	0.507	101	0.504	101		
Copper					0.5000	0.496	99	0.494	99		
Iron					0.5000	0.497	99	0.491	98		
Lead					0.5000	0.510	102	0.500	100		
Magnesium					0.5000	0.505	101	0.500	100		
Manganese					0.5000	0.514	103	0.509	102		
Nickel					0.5000	0.498	100	0.496	99		
Potassium					5.0000	5.16	103	5.09	102		
Selenium					0.5000	0.491	98	0.490	98		
Silver					0.5000	0.484	97	0.480	96		
Sodium					10.0000	10.3	103	10.2	102		
Thallium					0.5000	0.488	98	0.488	98		
Vanadium					0.5000	0.507	101	0.504	101		
Zinc					0.5000	0.505	101	0.501	100		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Antimony	0.500	0.5050	101						

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R2009414-3			R2009414-6			R2009414-8		R2009414-10	
	Date Analyzed	: 09/11/25 08:59			09/11/25 10:05			09/11/25 10:36		09/11/25 11:10	
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Antimony	0.500	0.5050	101	0.5000	0.521	104	0.527	105	0.523	105	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Antimony				0.5000	0.515	103	0.513	103	0.514

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009414-18 09/11/25 14:34			R2009414-20 09/11/25 14:59		R2009414-22 09/11/25 15:38	
					True	Found	%R	Found	%R	Found	%R
Antimony					0.5000	0.518	104	0.516	103	0.510	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Antimony				0.5000	0.512	102	0.514	103	0.457

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Antimony				0.5000	0.493	99	0.513	103	0.508

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.4830	97							
Antimony	0.500	0.4990	100							
Arsenic	0.500	0.4750	95							
Barium	0.500	0.4820	96							
Beryllium	0.500	0.4990	100							
Cadmium	0.500	0.4960	99							
Calcium	0.500	0.4960	99							
Chromium	0.500	0.4910	98							
Cobalt	0.500	0.4960	99							
Copper	0.500	0.4910	98							
Iron	0.500	0.4990	100							
Lead	0.500	0.4840	97							
Magnesium	0.500	0.4970	99							
Manganese	0.500	0.5010	100							
Nickel	0.500	0.4990	100							
Potassium	5.00	5.0700	101							
Selenium	0.500	0.4710	94							
Silver	0.500	0.4780	96							
Sodium	10.0	10.0000	100							
Thallium	0.500	0.4950	99							
Vanadium	0.500	0.4940	99							
Zinc	0.500	0.4920	98							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R2009459-3		R2009459-6			R2009459-8		R2009459-10		
	Date Analyzed:	09/11/25 10:06		09/11/25 11:09			09/11/25 12:15		09/11/25 13:03		
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Aluminum	0.500	0.4950	99	0.5000	0.478	96	0.478	96	0.478	96	
Antimony	0.500	0.5120	102	0.5000	0.509	102	0.534	107	0.519	104	
Arsenic	0.500	0.4850	97	0.5000	0.483	97	0.474	95	0.470	94	
Barium	0.500	0.4980	100	0.5000	0.482	96	0.483	97	0.482	96	
Beryllium	0.500	0.5090	102	0.5000	0.497	99	0.497	99	0.498	100	
Cadmium	0.500	0.5050	101	0.5000	0.495	99	0.494	99	0.493	99	
Calcium	0.500	0.5110	102	0.5000	0.500	100	0.503	101	0.495	99	
Chromium	0.500	0.5040	101	0.5000	0.493	99	0.493	99	0.492	98	
Cobalt	0.500	0.5050	101	0.5000	0.498	100	0.492	98	0.495	99	
Copper	0.500	0.5030	101	0.5000	0.498	100	0.495	99	0.491	98	
Iron	0.500	0.5070	101	0.5000	0.487	97	0.514	103	0.499	100	
Lead	0.500	0.4980	100	0.5000	0.480	96	0.482	96	0.480	96	
Magnesium	0.500	0.5060	101	0.5000	0.503	101	0.498	100	0.494	99	
Manganese	0.500	0.5110	102	0.5000	0.500	100	0.502	100	0.499	100	
Nickel	0.500	0.5120	102	0.5000	0.503	101	0.498	100	0.500	100	
Potassium	5.00	5.1800	104	5.0000	5.00	100	5.03	101	5.04	101	
Selenium	0.500	0.4760	95	0.5000	0.474	95	0.465	93	0.463	93	
Silver	0.500	0.4760	95	0.5000	0.486	97	0.479	96	0.477	95	
Sodium	10.0	10.2000	102	10.0000	10.1	101	10.1	101	10.1	101	
Thallium	0.500	0.5080	102	0.5000	0.491	98	0.494	99	0.490	98	
Vanadium	0.500	0.5050	101	0.5000	0.494	99	0.496	99	0.495	99	
Zinc	0.500	0.5030	101	0.5000	0.495	99	0.491	98	0.490	98	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009459-12 09/11/25 13:54			R2009459-14 09/11/25 15:15		R2009459-16 09/11/25 16:14	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.472	94	0.473	95	0.469	94
Antimony					0.5000	0.516	103	0.519	104	0.525	105
Arsenic					0.5000	0.467	93	0.475	95	0.476	95
Barium					0.5000	0.478	96	0.476	95	0.475	95
Beryllium					0.5000	0.495	99	0.497	99	0.491	98
Cadmium					0.5000	0.489	98	0.496	99	0.488	98
Calcium					0.5000	0.493	99	0.494	99	0.490	98
Chromium					0.5000	0.488	98	0.494	99	0.487	97
Cobalt					0.5000	0.488	98	0.490	98	0.484	97
Copper					0.5000	0.486	97	0.493	99	0.490	98
Iron					0.5000	0.487	97	0.491	98	0.489	98
Lead					0.5000	0.473	95	0.485	97	0.480	96
Magnesium					0.5000	0.489	98	0.492	98	0.486	97
Manganese					0.5000	0.496	99	0.500	100	0.495	99
Nickel					0.5000	0.495	99	0.499	100	0.493	99
Potassium					5.0000	5.00	100	5.01	100	4.96	99
Selenium					0.5000	0.459	92	0.468	94	0.468	94
Silver					0.5000	0.472	94	0.479	96	0.473	95
Sodium					10.0000	10.0	100	10.1	101	10.0	100
Thallium					0.5000	0.486	97	0.494	99	0.492	98
Vanadium					0.5000	0.490	98	0.497	99	0.492	98
Zinc					0.5000	0.488	98	0.490	98	0.482	96

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009459-18 09/11/25 17:10			R2009459-20 09/11/25 17:53			
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.463	93	0.471	94		
Antimony					0.5000	0.523	105	0.506	101		
Arsenic					0.5000	0.468	94	0.471	94		
Barium					0.5000	0.471	94	0.480	96		
Beryllium					0.5000	0.488	98	0.495	99		
Cadmium					0.5000	0.483	97	0.492	98		
Calcium					0.5000	0.489	98	0.494	99		
Chromium					0.5000	0.484	97	0.491	98		
Cobalt					0.5000	0.483	97	0.492	98		
Copper					0.5000	0.486	97	0.494	99		
Iron					0.5000	0.489	98	0.492	98		
Lead					0.5000	0.477	95	0.480	96		
Magnesium					0.5000	0.484	97	0.491	98		
Manganese					0.5000	0.492	98	0.496	99		
Nickel					0.5000	0.490	98	0.496	99		
Potassium					5.0000	4.95	99	4.98	100		
Selenium					0.5000	0.462	92	0.466	93		
Silver					0.5000	0.470	94	0.476	95		
Sodium					10.0000	9.97	100	10.1	101		
Thallium					0.5000	0.490	98	0.490	98		
Vanadium					0.5000	0.487	97	0.496	99		
Zinc					0.5000	0.479	96	0.486	97		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Arsenic		0.500	0.4750	95							
Selenium		0.500	0.4710	94							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		R2009459-3			R2009459-6			R2009459-8		R2009459-10	
		09/11/25 10:06			09/11/25 11:09			09/11/25 12:15		09/11/25 13:03	
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Arsenic		0.500	0.4850	97	0.5000	0.483	97	0.474	95	0.470	94
Selenium		0.500	0.4760	95	0.5000	0.474	95	0.465	93	0.463	93

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009459-12			R2009459-14		R2009459-16	
					09/11/25 13:54			09/11/25 15:15		09/11/25 16:14	
					True	Found	%R	Found	%R	Found	%R
Arsenic					0.5000	0.467	93	0.475	95	0.476	95
Selenium					0.5000	0.459	92	0.468	94	0.468	94

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009459-18			R2009459-20		R2009459-22	
					09/11/25 17:10			09/11/25 17:53		09/11/25 18:51	
					True	Found	%R	Found	%R	Found	%R
Arsenic					0.5000	0.468	94	0.471	94	0.472	94
Selenium					0.5000	0.462	92	0.466	93	0.464	93

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE4

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Antimony		0.500	0.4960	99							
Arsenic		0.500	0.4890	98							
Selenium		0.500	0.4840	97							
Silver		0.500	0.4980	100							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE4

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		R2009512-3			R2009512-6			R2009512-8			
		09/11/25 10:03			09/11/25 11:21			09/11/25 12:37			
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Antimony		0.500	0.5000	100	0.5000	0.487	97	0.478	96		
Arsenic		0.500	0.4910	98	0.5000	0.480	96	0.470	94		
Selenium		0.500	0.4840	97	0.5000	0.472	94	0.474	95		
Silver		0.500	0.4940	99	0.5000	0.495	99	0.497	99		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE5

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :	R2008018-2		R2008018-7		R2008018-9		R2008018-11	
Date Analyzed :	09/08/25 06:08		09/08/25 08:36		09/08/25 09:02		09/08/25 10:33	
							WG2111346-1	
							09/08/25 11:10	
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U
Sodium	0.120	U	0.120	U	0.120	U	0.286	J
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE5

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U				
Antimony	0.00710	U	0.00710	U				
Arsenic	0.00190	U	0.00190	U				
Barium	0.00210	U	0.00210	U				
Beryllium	0.000900	U	0.000900	U				
Cadmium	0.00100	U	0.00100	U				
Calcium	0.0350	U	0.0350	U				
Chromium	0.00210	U	0.00210	U				
Cobalt	0.00170	U	0.00170	U				
Copper	0.00220	U	0.00220	U				
Iron	0.00900	U	0.00900	U				
Lead	0.00270	U	0.00270	U				
Magnesium	0.0153	U	0.0153	U				
Manganese	0.00160	U	0.00160	U				
Nickel	0.00240	U	0.00240	U				
Potassium	0.237	U	0.237	U				
Selenium	0.00350	U	0.00350	U				
Silver	0.00280	U	0.00280	U				
Sodium	0.120	U	0.120	U				
Thallium	0.00250	U	0.00250	U				
Vanadium	0.00200	U	0.00200	U				
Zinc	0.00210	U	0.00210	U				



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :	R2009157-2		R2009157-5		R2009157-7		R2009157-9	
Date Analyzed :	09/10/25 16:36		09/10/25 17:45		09/10/25 18:46		09/10/25 19:40	
	WG2111288-1		09/11/25 06:47					
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00289	J
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00347	J	0.00415	J	0.00512	J	0.00368	J
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.00710	U	0.00710	U	0.00710	U
Arsenic			0.00190	U	0.00190	U	0.00190	U
Barium			0.00210	U	0.00210	U	0.00210	U
Beryllium			0.000900	U	0.000900	U	0.000900	U
Cadmium			0.00100	U	0.00100	U	0.00100	U
Calcium			0.0350	U	0.0350	U	0.0350	U
Chromium			0.00210	U	0.00210	U	0.00210	U
Cobalt			0.00170	U	0.00170	U	0.00170	U
Copper			0.00220	U	0.00220	U	0.00220	U
Iron			0.00900	U	0.00900	U	0.00900	U
Lead			0.00330	J	0.00277	J	0.00515	J
Magnesium			0.0153	U	0.0153	U	0.0153	U
Manganese			0.00160	U	0.00160	U	0.00160	U
Nickel			0.00240	U	0.00240	U	0.00240	U
Potassium			0.237	U	0.237	U	0.237	U
Selenium			0.00350	U	0.00350	U	0.00350	U
Silver			0.00280	U	0.00280	U	0.00280	U
Sodium			0.120	U	0.120	U	0.120	U
Thallium			0.00250	U	0.00250	U	0.00250	U
Vanadium			0.00200	U	0.00200	U	0.00200	U
Zinc			0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	Lab ID : Date Analyzed :		R2009157-17 09/10/25 23:22		R2009157-19 09/10/25 23:29		R2009157-21 09/11/25 05:40	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.00723	J	0.00710	U	0.00710	U
Arsenic			0.00190	U	0.00190	U	0.00190	U
Barium			0.00210	U	0.00210	U	0.00210	U
Beryllium			0.000900	U	0.000900	U	0.000900	U
Cadmium			0.00100	U	0.00100	U	0.00100	U
Calcium			0.0350	U	0.0350	U	0.0350	U
Chromium			0.00210	U	0.00210	U	0.00210	U
Cobalt			0.00170	U	0.00170	U	0.00170	U
Copper			0.00220	U	0.00220	U	0.00220	U
Iron			0.00900	U	0.00900	U	0.00900	U
Lead			0.00270	U	0.00270	U	0.00270	U
Magnesium			0.0153	U	0.0153	U	0.0153	U
Manganese			0.00160	U	0.00160	U	0.00160	U
Nickel			0.00240	U	0.00240	U	0.00240	U
Potassium			0.237	U	0.237	U	0.237	U
Selenium			0.00441	J	0.00373	J	0.00362	J
Silver			0.00280	U	0.00280	U	0.00280	U
Sodium			0.120	U	0.120	U	0.120	U
Thallium			0.00250	U	0.00250	U	0.00296	J
Vanadium			0.00200	U	0.00200	U	0.00200	U
Zinc			0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	Lab ID : Date Analyzed :		R2009157-23 09/11/25 06:33		R2009157-25 09/11/25 07:23		R2009157-27 09/11/25 07:52	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.0124	J	0.00785	J	0.0132	J
Arsenic			0.00190	U	0.00190	U	0.00190	U
Barium			0.00210	U	0.00210	U	0.00210	U
Beryllium			0.000900	U	0.000900	U	0.000900	U
Cadmium			0.00100	U	0.00100	U	0.00100	U
Calcium			0.0350	U	0.0350	U	0.0350	U
Chromium			0.00210	U	0.00210	U	0.00210	U
Cobalt			0.00170	U	0.00171	J	0.00170	U
Copper			0.00220	U	0.00220	U	0.00220	U
Iron			0.00900	U	0.00900	U	0.00900	U
Lead			0.00270	U	0.00376	J	0.00270	U
Magnesium			0.0176	J	0.0153	U	0.0155	J
Manganese			0.00160	U	0.00160	U	0.00160	U
Nickel			0.00240	U	0.00240	U	0.00240	U
Potassium			0.237	U	0.237	U	0.237	U
Selenium			0.00568	J	0.00507	J	0.00611	J
Silver			0.00280	U	0.00280	U	0.00280	U
Sodium			0.120	U	0.120	U	0.120	U
Thallium			0.00250	U	0.00250	U	0.00305	J
Vanadium			0.00200	U	0.00200	U	0.00200	U
Zinc			0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U		
Antimony			0.00710	U	0.00710	U		
Arsenic			0.00190	U	0.00190	U		
Barium			0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U		
Iron			0.00900	U	0.00900	U		
Lead			0.00449	J	0.00284	J		
Magnesium			0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U		
Selenium			0.00383	J	0.00352	J		
Silver			0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U		
Thallium			0.00250	U	0.00250	U		
Vanadium			0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U		



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005

	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
Lab ID :	R2009414-2		R2009414-7		R2009414-9		R2009414-11	
Date Analyzed :	09/11/25 08:53		09/11/25 10:07		09/11/25 10:38		09/11/25 11:12	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005

	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank
Lab ID :	R2009414-4		R2009414-13	R2009414-15	R2009414-17		
Date Analyzed :	09/11/25 09:01		09/11/25 11:59	09/11/25 13:25	09/11/25 14:00		
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	Q
Antimony	0.00710	U	0.00710	U	0.00710	U	



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :			R2009414-19		R2009414-21		R2009414-23	
Date Analyzed :			09/11/25 14:36		09/11/25 15:01		09/11/25 15:40	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Antimony			0.00710	U	0.00710	U	0.00710	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2009414-25		R2009414-27		R2009414-29	
Date Analyzed :			09/11/25 16:05		09/11/25 16:45		09/11/25 17:11	
Antimony			0.00710	U	0.00710	U	0.00710	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555605
 Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2009414-31		R2009414-33		R2009414-35	
Date Analyzed :			09/11/25 17:51		09/11/25 18:17		09/11/25 18:42	
Antimony			0.00710	U	0.00710	U	0.00710	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE8

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.0035	J



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE8

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00934	J
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00352	J	0.00350	U	0.00350	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE8

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U		
Antimony			0.00858	J	0.00710	U		
Arsenic			0.00190	U	0.00190	U		
Barium			0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U		
Iron			0.00900	U	0.00900	U		
Lead			0.00270	U	0.00270	U		
Magnesium			0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U		
Selenium			0.00350	U	0.00350	U		
Silver			0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U		
Thallium			0.00250	U	0.00250	U		
Vanadium			0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U		



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R2009459-2		R2009459-7				WG2111288-1	
Date Analyzed	: 09/11/25 09:40		09/11/25 11:13				09/11/25 18:06	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :	R2009459-4		R2009459-13		R2009459-15		R2009459-17	
Date Analyzed :	09/11/25 10:09		09/11/25 13:57		09/11/25 15:19		09/11/25 16:17	
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U
Selenium	0.00350	U	0.00352	J	0.00350	U	0.00350	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2009459-19		R2009459-21		R2009459-23	
Date Analyzed :			09/11/25 17:13		09/11/25 17:56		09/11/25 18:54	
Arsenic			0.00190	U	0.00190	U	0.00190	U
Selenium			0.00350	U	0.00350	U	0.00350	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE4

Lab Number : L2555605
 Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Antimony	0.00710	U	0.00710	U	0.00710	U		
Arsenic	0.00190	U	0.00190	U	0.00190	U		
Selenium	0.00350	U	0.00350	U	0.00350	U		
Silver	0.00280	U	0.00280	U	0.00280	U		



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID :

Lab Number : L2555605
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)			Preparation Blank	
	mg/l	Q	Q	Q	Q	Q	Q
Antimony	0.00710	U					
Arsenic	0.00190	U					
Selenium	0.00350	U					
Silver	0.00280	U					



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE5

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R2008018-5							
	Analysis Date :		09/08/25 06:27							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		483.	97						
Antimony			-0.00790							
Arsenic			-0.00870							
Barium			0.000794							
Beryllium			-0.000138							
Cadmium			-0.00679							
Calcium	500		447.	89						
Chromium			0.00175							
Cobalt			0.000518							
Copper			0.00342							
Iron	200		171.	86						
Lead			-0.00971							
Magnesium	500		501.	100						
Manganese			-0.000944							
Nickel			-0.00589							
Potassium			0.0382							
Selenium			0.00141							
Silver			-0.00166							
Sodium			0.0352							
Thallium			0.00429							
Vanadium			-0.00133							
Zinc			0.00445							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R2009157-3							
	Analysis Date :		09/10/25 16:43							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		508.	102						
Antimony			-0.0234							
Arsenic			-0.00152							
Barium			0.00187							
Beryllium			-0.0000189							
Cadmium			-0.00440							
Calcium	500		473.	95						
Chromium			0.00138							
Cobalt			-0.00183							
Copper			0.00228							
Iron	200		183.	92						
Lead			0.000181							
Magnesium	500		497.	99						
Manganese			-0.000402							
Nickel			-0.000150							
Potassium			-0.0268							
Selenium			0.00150							
Silver			0.00118							
Sodium			0.00249							
Thallium			0.00609							
Vanadium			-0.00248							
Zinc			-0.00494							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE11

Lab Number : L2555605
Project Number : 2232.0006Y005
Concentration Units : mg/l

Analyte	True		Initial Found			Final Found			
	Sol.	Sol.	Sol.	%R	Sol.	%R	Sol.	%R	Sol.
	A	AB	A	%R	AB	%R	A	%R	AB
Antimony			-0.00578						

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R2009459-5							
	Analysis Date :		09/11/25 10:16							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		484.	97						
Antimony			-0.00578							
Arsenic			0.000104							
Barium			0.00196							
Beryllium			0.0000896							
Cadmium			-0.00472							
Calcium	500		453.	91						
Chromium			-0.000614							
Cobalt			-0.000393							
Copper			0.00169							
Iron	200		175.	88						
Lead			-0.0126							
Magnesium	500		450.	90						
Manganese			0.00176							
Nickel			0.000604							
Potassium			-0.00289							
Selenium			-0.000667							
Silver			0.00178							
Sodium			0.00462							
Thallium			0.000871							
Vanadium			-0.0000659							
Zinc			-0.00178							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE8

Lab Number : L2555605
Project Number : 2232.0006Y005
Concentration Units : mg/l

Analyte	True		Initial Found				Final Found			
	Lab ID : R2009459-5		Analysis Date : 09/11/25 10:16							
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Arsenic			0.000104							
Selenium			-0.000667							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE4

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Concentration Units : mg/l

Analyte	True		Initial Found			Final Found			
	Sol.	Sol.	Sol.	%R	Sol.	%R	Sol.	%R	Sol.
	A	AB	A	%R	AB	%R	A	%R	AB
Antimony									
Arsenic									
Selenium									
Silver									

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2111346-3
 Matrix Spike Dup : WG2111346-4

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/08/25 11:29
 MSD Analysis Date : 09/08/25 11:35

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Aluminum, Total	ND	2	2.02	101	2	2.14	107	6	75-125	20
Antimony, Total	0.0071J	0.5	0.483	97	0.5	0.490	98	1	75-125	20
Arsenic, Total	ND	0.12	0.129	108	0.12	0.130	108	1	75-125	20
Barium, Total	0.0330	2	2.00	98	2	2.16	106	8	75-125	20
Beryllium, Total	ND	0.05	0.0494	99	0.05	0.0518	104	5	75-125	20
Cadmium, Total	ND	0.053	0.0550	104	0.053	0.0549	104	0	75-125	20
Calcium, Total	13.0	10	21.4	84	10	22.5	95	5	75-125	20
Chromium, Total	ND	0.2	0.210	105	0.2	0.210	105	0	75-125	20
Cobalt, Total	ND	0.5	0.512	102	0.5	0.513	103	0	75-125	20
Copper, Total	ND	0.25	0.264	106	0.25	0.264	106	0	75-125	20
Iron, Total	ND	1	0.955	96	1	1.01	101	6	75-125	20
Lead, Total	ND	0.53	0.562	106	0.53	0.562	106	0	75-125	20
Magnesium, Total	6.05	10	16.7	106	10	16.6	106	1	75-125	20
Manganese, Total	ND	0.5	0.483	97	0.5	0.510	102	5	75-125	20
Nickel, Total	ND	0.5	0.532	106	0.5	0.532	106	0	75-125	20
Potassium, Total	1.28J	10	11.2	112	10	11.8	118	5	75-125	20
Selenium, Total	ND	0.12	0.131	109	0.12	0.131	109	0	75-125	20
Silver, Total	ND	0.05	0.0437	87	0.05	0.0439	88	0	75-125	20
Sodium, Total	17.7	10	26.7	90	10	27.8	101	4	75-125	20
Thallium, Total	ND	0.12	0.123	102	0.12	0.124	103	1	75-125	20
Vanadium, Total	ND	0.5	0.541	108	0.5	0.542	108	0	75-125	20
Zinc, Total	0.0030J	0.5	0.525	105	0.5	0.525	105	0	75-125	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555524-01
 Matrix Spike : WG2111288-3
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/11/25 07:07
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Total	ND	2	2.06	103					75-125	20
Antimony, Total	ND	0.5	0.525	105					75-125	20
Arsenic, Total	ND	0.12	0.120	100					75-125	20
Barium, Total	0.014	2	2.03	101					75-125	20
Beryllium, Total	ND	0.05	0.0515	103					75-125	20
Cadmium, Total	ND	0.053	0.0519	98					75-125	20
Calcium, Total	134	10	146.	120					75-125	20
Chromium, Total	ND	0.2	0.199	100					75-125	20
Cobalt, Total	0.020J	0.5	0.522	104					75-125	20
Copper, Total	0.003J	0.25	0.264	106					75-125	20
Iron, Total	40.1	1	41.7	160 Q					75-125	20
Lead, Total	ND	0.53	0.535	101					75-125	20
Magnesium, Total	65.6	10	77.3	117					75-125	20
Manganese, Total	1.24	0.5	1.77	106					75-125	20
Nickel, Total	0.081	0.5	0.581	100					75-125	20
Potassium, Total	10.9	10	21.6	107					75-125	20
Selenium, Total	ND	0.12	0.126	105					75-125	20
Silver, Total	ND	0.05	0.0403	81					75-125	20
Sodium, Total	51.4	10	62.4	110					75-125	20
Thallium, Total	ND	0.12	0.120	100					75-125	20
Vanadium, Total	ND	0.5	0.521	104					75-125	20
Zinc, Total	0.076	0.5	0.573	99					75-125	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555524-02
 Matrix Spike : WG2111288-7
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/11/25 07:35
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Total	2.02	2	4.00	99					75-125	20
Antimony, Total	ND	0.5	0.462	92					75-125	20
Arsenic, Total	ND	0.12	0.121	101					75-125	20
Barium, Total	0.032	2	2.00	98					75-125	20
Beryllium, Total	0.002J	0.05	0.0523	105					75-125	20
Cadmium, Total	ND	0.053	0.0534	101					75-125	20
Calcium, Total	15.8	10	25.2	94					75-125	20
Chromium, Total	0.002J	0.2	0.198	99					75-125	20
Cobalt, Total	0.021	0.5	0.518	99					75-125	20
Copper, Total	0.006J	0.25	0.255	102					75-125	20
Iron, Total	1.98	1	2.86	88					75-125	20
Lead, Total	0.004J	0.53	0.535	101					75-125	20
Magnesium, Total	7.51	10	17.3	98					75-125	20
Manganese, Total	0.767	0.5	1.26	99					75-125	20
Nickel, Total	0.027	0.5	0.516	98					75-125	20
Potassium, Total	2.65	10	12.8	102					75-125	20
Selenium, Total	0.005J	0.12	0.121	101					75-125	20
Silver, Total	ND	0.05	0.0390	78					75-125	20
Sodium, Total	17.8	10	27.4	96					75-125	20
Thallium, Total	ND	0.12	0.120	100					75-125	20
Vanadium, Total	ND	0.5	0.514	103					75-125	20
Zinc, Total	0.060	0.5	0.560	100					75-125	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2112034-3
 Matrix Spike Dup : WG2112034-4

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/11/25 16:00
 MSD Analysis Date : 09/11/25 16:03

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Aluminum, Dissolved	ND	2	2.02	101	2	2.01	100	0	75-125	20
Antimony, Dissolved	ND	0.5	0.407	81	0.5	0.412	82	1	75-125	20
Arsenic, Dissolved	ND	0.12	0.118	98	0.12	0.116	97	2	75-125	20
Barium, Dissolved	0.0286	2	1.96	96	2	1.96	96	0	75-125	20
Beryllium, Dissolved	ND	0.05	0.0506	101	0.05	0.0503	101	1	75-125	20
Cadmium, Dissolved	ND	0.053	0.0516	97	0.053	0.0511	96	1	75-125	20
Calcium, Dissolved	12.0	10	22.3	103	10	21.4	94	4	75-125	20
Chromium, Dissolved	ND	0.2	0.198	99	0.2	0.196	98	1	75-125	20
Cobalt, Dissolved	ND	0.5	0.480	96	0.5	0.478	96	0	75-125	20
Copper, Dissolved	ND	0.25	0.248	99	0.25	0.248	99	0	75-125	20
Iron, Dissolved	ND	1	0.984	98	1	0.979	98	1	75-125	20
Lead, Dissolved	ND	0.53	0.514	97	0.53	0.502	95	2	75-125	20
Magnesium, Dissolved	5.55	10	15.5	100	10	14.9	94	4	75-125	20
Manganese, Dissolved	ND	0.5	0.498	100	0.5	0.494	99	1	75-125	20
Nickel, Dissolved	ND	0.5	0.495	99	0.5	0.490	98	1	75-125	20
Potassium, Dissolved	1.15J	10	11.2	112	10	10.9	109	3	75-125	20
Selenium, Dissolved	ND	0.12	0.117	98	0.12	0.114	95	3	75-125	20
Silver, Dissolved	ND	0.05	0.0523	105	0.05	0.0525	105	0	75-125	20
Sodium, Dissolved	15.9	10	26.7	108	10	25.9	100	3	75-125	20
Thallium, Dissolved	ND	0.12	0.119	99	0.12	0.117	98	2	75-125	20
Vanadium, Dissolved	ND	0.5	0.508	102	0.5	0.505	101	1	75-125	20
Zinc, Dissolved	ND	0.5	0.491	98	0.5	0.491	98	0	75-125	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555806-05
 Matrix Spike : WG2112034-7
 Matrix Spike Dup : WG2112034-8

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER

MS Analysis Date : 09/11/25 16:56
 MSD Analysis Date : 09/11/25 16:59

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Aluminum, Dissolved	ND	2	2.06	103	2	2.06	103	0	75-125	20
Antimony, Dissolved	ND	0.5	0.442	88	0.5	0.450	90	2	75-125	20
Arsenic, Dissolved	ND	0.12	0.122	102	0.12	0.123	102	1	75-125	20
Barium, Dissolved	0.037	2	2.01	99	2	2.00	98	0	75-125	20
Beryllium, Dissolved	ND	0.05	0.0514	103	0.05	0.0512	102	0	75-125	20
Cadmium, Dissolved	ND	0.053	0.0526	99	0.053	0.0521	98	1	75-125	20
Calcium, Dissolved	32.0	10	41.4	94	10	41.4	94	0	75-125	20
Chromium, Dissolved	ND	0.2	0.200	100	0.2	0.199	100	1	75-125	20
Cobalt, Dissolved	ND	0.5	0.490	98	0.5	0.487	97	1	75-125	20
Copper, Dissolved	ND	0.25	0.254	102	0.25	0.254	102	0	75-125	20
Iron, Dissolved	0.0254J	1	1.01	101	1	1.02	102	1	75-125	20
Lead, Dissolved	ND	0.53	0.526	99	0.53	0.529	100	1	75-125	20
Magnesium, Dissolved	5.64	10	15.5	99	10	15.5	99	0	75-125	20
Manganese, Dissolved	0.0025J	0.5	0.506	101	0.5	0.504	101	0	75-125	20
Nickel, Dissolved	ND	0.5	0.505	101	0.5	0.501	100	1	75-125	20
Potassium, Dissolved	3.81	10	14.1	103	10	14.2	104	1	75-125	20
Selenium, Dissolved	ND	0.12	0.120	100	0.12	0.120	100	0	75-125	20
Silver, Dissolved	ND	0.05	0.0536	107	0.05	0.0536	107	0	75-125	20
Sodium, Dissolved	27.1	10	37.2	101	10	37.1	100	0	75-125	20
Thallium, Dissolved	ND	0.12	0.121	101	0.12	0.122	102	1	75-125	20
Vanadium, Dissolved	ND	0.5	0.520	104	0.5	0.519	104	0	75-125	20
Zinc, Dissolved	ND	0.5	0.503	101	0.5	0.498	100	1	75-125	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/11/25 07:04
Dup Sample ID	: WG2111288-4	DUP Analysis Date	: 09/11/25 07:10

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Iron, Total	40.1	39.6	1	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/11/25 07:32
Dup Sample ID	: WG2111288-8	DUP Analysis Date	: 09/11/25 07:39

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Iron, Total	1.98	1.95	2	20



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111346-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/08/25 11:16
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Total	2.00	2.15	108.					85-115	20
Antimony, Total	0.500	0.463	93.					85-115	20
Arsenic, Total	0.120	0.127	106.					85-115	20
Barium, Total	2.00	2.12	106.					85-115	20
Beryllium, Total	0.0500	0.0524	105.					85-115	20
Cadmium, Total	0.0530	0.0540	102.					85-115	20
Calcium, Total	10.0	10.2	102.					85-115	20
Chromium, Total	0.200	0.206	103.					85-115	20
Cobalt, Total	0.500	0.504	101.					85-115	20
Copper, Total	0.250	0.259	104.					85-115	20
Iron, Total	1.00	1.01	101.					85-115	20
Lead, Total	0.530	0.560	106.					85-115	20
Magnesium, Total	10.0	10.5	105.					85-115	20
Manganese, Total	0.500	0.517	103.					85-115	20
Nickel, Total	0.500	0.527	105.					85-115	20
Potassium, Total	10.0	10.5	105.					85-115	20
Selenium, Total	0.120	0.126	105.					85-115	20
Silver, Total	0.0500	0.0431	86.					85-115	20
Sodium, Total	10.0	11.1	111.					85-115	20
Thallium, Total	0.120	0.123	102.					85-115	20
Vanadium, Total	0.500	0.534	107.					85-115	20
Zinc, Total	0.500	0.510	102.					85-115	20



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111288-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/11/25 06:51
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Total	2.00	2.03	102.					85-115	20
Barium, Total	2.00	2.01	100.					85-115	20
Beryllium, Total	0.0500	0.0510	102.					85-115	20
Cadmium, Total	0.0530	0.0536	101.					85-115	20
Calcium, Total	10.0	10.1	101.					85-115	20
Chromium, Total	0.200	0.199	100.					85-115	20
Cobalt, Total	0.500	0.497	99.					85-115	20
Copper, Total	0.250	0.245	98.					85-115	20
Iron, Total	1.00	1.00	100.					85-115	20
Lead, Total	0.530	0.538	102.					85-115	20
Magnesium, Total	10.0	9.84	98.					85-115	20
Manganese, Total	0.500	0.514	103.					85-115	20
Nickel, Total	0.500	0.487	97.					85-115	20
Potassium, Total	10.0	10.4	104.					85-115	20
Sodium, Total	10.0	10.4	104.					85-115	20
Thallium, Total	0.120	0.119	99.					85-115	20
Vanadium, Total	0.500	0.515	103.					85-115	20
Zinc, Total	0.500	0.502	100.					85-115	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112034-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/11/25 18:38
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Antimony, Dissolved	0.500	0.516	103.					85-115	20

Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112034-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/11/25 15:43
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Dissolved	2.00	2.05	102.					85-115	20
Arsenic, Dissolved	0.120	0.118	98.					85-115	20
Barium, Dissolved	2.00	1.98	99.					85-115	20
Beryllium, Dissolved	0.0500	0.0509	102.					85-115	20
Cadmium, Dissolved	0.0530	0.0531	100.					85-115	20
Calcium, Dissolved	10.0	10.0	100.					85-115	20
Chromium, Dissolved	0.200	0.201	100.					85-115	20
Cobalt, Dissolved	0.500	0.496	99.					85-115	20
Copper, Dissolved	0.250	0.253	101.					85-115	20
Iron, Dissolved	1.00	1.00	100.					85-115	20
Lead, Dissolved	0.530	0.527	99.					85-115	20
Magnesium, Dissolved	10.0	10.1	101.					85-115	20
Manganese, Dissolved	0.500	0.506	101.					85-115	20
Nickel, Dissolved	0.500	0.509	102.					85-115	20
Potassium, Dissolved	10.0	10.3	103.					85-115	20
Selenium, Dissolved	0.120	0.116	97.					85-115	20
Silver, Dissolved	0.0500	0.0533	107.					85-115	20
Sodium, Dissolved	10.0	10.5	105.					85-115	20
Thallium, Dissolved	0.120	0.122	102.					85-115	20
Vanadium, Dissolved	0.500	0.517	103.					85-115	20
Zinc, Dissolved	0.500	0.502	100.					85-115	20



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111288-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/11/25 12:00
 LCSD Analysis Date:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Antimony, Total	0.500	0.489	98.					85-115	20
Arsenic, Total	0.120	0.121	101.					85-115	20
Selenium, Total	0.120	0.118	98.					85-115	20
Silver, Total	0.0500	0.0433	87.					85-115	20



Form 8 Serial Dilutions

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/08/25 11:22
Serial Dilution ID	: WG2111346-6	Analysis Date	: 09/08/25 11:47

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Calcium, Total	13.0	13.5	4	20
Magnesium, Total	6.05	6.11	1	20



Form 8 Serial Dilutions

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Client Sample ID : MW-8D Lab Sample ID : L2555605-02 Serial Dilution ID : WG2112034-6	Lab Number : L2555605 Project Number : 2232.0006Y005 Matrix : WATER Analysis Date : 09/11/25 15:57 Analysis Date : 09/11/25 16:10
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Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Calcium, Dissolved	12.0	12.1	1	20
Magnesium, Dissolved	5.55	5.54	0	20



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10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	___
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	0.0001500	0.0000000	-0.0004550	0.0000000	0.0038670
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0002100	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	-0.0000350	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0017890	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	0.0000000	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0011610	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

EPA 200.7, EPA 6010D		Linear Dynamic Range					
		All values are in mg/L and are 90% of the established LDR concentration.					
Instrument ID:		Trace 4	Trace 5	Trace 6	Trace 7	Trace 8	Trace 9
2023 Complete		☐	☐	☐	☐	☐	☐
Ag	Silver	36	27	9	13	90	45
Al	Aluminum	900	540	450	900	900	900
As	Arsenic	90	54	90	72	180	90
B	Boron	90	90	9	45	90	54
Ba	Barium	90	27	18	13	135	27
Be	Beryllium	27	36	9	9	11	31
Ca	Calcium	450	900	675	900	900	900
Cd	Cadmium	11	9	9	11	27	18
Co	Cobalt	90	63	45	22	135	90
Cr	Chromium	45	63	9	45	157	90
Cu	Copper	90	54	45	45	90	67
Fe	Iron	630	900	450	450	540	540
K	Potassium	900	900	675	720	900	900
Mg	Magnesium	450	900	360	900	900	900
Mn	Manganese	90	31	90	67	90	90
Mo	Molybdenum	45	36	9	22	67	45
Na	Sodium	675	900	450	405	630	900
Ni	Nickel	90	45	45	22	135	90
Pb	Lead	180	180	90	90	225	90
S	Sulfur	-	90	-	-	-	-
Sb	Antimony	22	45	45	4.5	90	45
Se	Selenium	27	27	45	22	15	45
Si	Silica	45	90	22	22	90	45
Sn	Tin	45	45	13	22	72	45
Sr	Strontium	45	45	9	9	67	45
Ti	Titanium	45	90	9	90	72	45
Tl	Thallium	45	90	45	22	135	45
V	Vanadium	90	90	90	90	112	45
Zn	Zinc	45	27	45	22	63	22

Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555605-02	09/06/25 01:06	-	50
WG2111346-1	09/06/25 01:06	-	50
WG2111346-2	09/06/25 01:06	-	50
WG2111346-3	09/06/25 01:06	-	50
WG2111346-4	09/06/25 01:06	-	50
WG2111346-5	09/06/25 01:06	-	50
WG2111346-6	09/06/25 01:06	-	50

Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555605-01	09/05/25 22:49	-	50
L2555605-03	09/05/25 22:49	-	50
L2555605-04	09/05/25 22:49	-	50
L2555605-05	09/05/25 22:49	-	50
L2555605-06	09/05/25 22:49	-	50
L2555605-07	09/05/25 22:49	-	50
L2555605-08	09/05/25 22:49	-	50
WG2111288-1	09/05/25 22:49	-	50
WG2111288-2	09/05/25 22:49	-	50
WG2111288-3	09/05/25 22:49	-	50
WG2111288-4	09/05/25 22:49	-	50
WG2111288-7	09/05/25 22:49	-	50
WG2111288-8	09/05/25 22:49	-	50



Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2112034-2	09/08/25 16:18	-	50

Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555605-01	09/08/25 16:18	-	50
L2555605-02	09/08/25 16:18	-	50
L2555605-03	09/08/25 16:18	-	50
L2555605-04	09/08/25 16:18	-	50
L2555605-05	09/08/25 16:18	-	50
L2555605-06	09/08/25 16:18	-	50
L2555605-07	09/08/25 16:18	-	50
L2555605-08	09/08/25 16:18	-	50
WG2112034-1	09/08/25 16:18	-	50
WG2112034-2	09/08/25 16:18	-	50
WG2112034-3	09/08/25 16:18	-	50
WG2112034-4	09/08/25 16:18	-	50
WG2112034-5	09/08/25 16:18	-	50
WG2112034-6	09/08/25 16:18	-	50
WG2112034-7	09/08/25 16:18	-	50
WG2112034-8	09/08/25 16:18	-	50



Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555605-01	09/05/25 22:49	-	50
L2555605-03	09/05/25 22:49	-	50
L2555605-04	09/05/25 22:49	-	50
L2555605-05	09/05/25 22:49	-	50
L2555605-06	09/05/25 22:49	-	50
L2555605-07	09/05/25 22:49	-	50
L2555605-08	09/05/25 22:49	-	50
WG2111288-1	09/05/25 22:49	-	50



Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2111288-2	09/05/25 22:49	-	50

Form 13 Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE5
Start Date : 09/08/25 06:02

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 09/08/25 12:12

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total				
R2008018-1 ICV	1	06:02:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-2 ICB	1	06:08:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-3 ICV	1	06:15:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-4 ICB	1	06:21:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-5 ICSA	1	06:27:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-6 CCV	1	08:30:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-7 CCB	1	08:36:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-8 CCV	1	08:55:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-9 CCB	1	09:02:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-10 CCV	1	10:27:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-11 CCB	1	10:33:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2111346-1 BLANK	1	11:10:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2111346-2 LCS	1	11:16:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555605-02	1	11:22:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2111346-3 MS	1	11:29:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2111346-4 MSD	1	11:35:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2111346-5 PS	1	11:41:21																										
WG2111346-6 SERDIL	5	11:47:31						X						X														
R2008018-12 CCV	1	12:06:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2008018-13 CCB	1	12:12:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				

Form 13 Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9
Start Date : 09/10/25 16:33

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 09/11/25 08:53

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total				
R2009157-1 ICV	1	16:33:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-2 ICB	1	16:36:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-3 ICSEA	1	16:43:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-4 CCV	1	17:41:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-5 CCB	1	17:45:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-6 CCV	1	18:43:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-7 CCB	1	18:46:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-8 CCV	1	19:37:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-9 CCB	1	19:40:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-10 CCV	1	20:24:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-11 CCB	1	20:27:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-12 CCV	1	21:21:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-13 CCB	1	21:25:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-14 CCV	1	22:05:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-15 CCB	1	22:09:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-16 CCV	1	23:19:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-17 CCB	1	23:22:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-18 CCV	1	23:25:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-19 CCB	1	23:29:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-20 CCV	1	05:37:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-21 CCB	1	05:40:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-22 CCV	1	06:29:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009157-23 CCB	1	06:33:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2111288-1 BLANK	1	06:47:46	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X				
WG2111288-2 LCS	1	06:51:07	X			X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X				
WG2111288-3 MS	1	07:07:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2111288-4 DUP	1	07:10:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9
Start Date : 09/10/25 16:33

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 09/11/25 08:53

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID :
Start Date : 09/11/25 08:51

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method :
End Date : 09/11/25 18:42

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID :
Start Date : 09/11/25 08:51

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method :
End Date : 09/11/25 18:42

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE8
 Start Date : 09/11/25 09:36

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Analysis Method : 19,200.7
 End Date : 09/11/25 17:56

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved				
R2009459-1 ICV	1	09:36:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-2 ICB	1	09:40:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-3 ICV	1	10:06:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-4 ICB	1	10:09:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-5 ICSEA	1	10:16:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-6 CCV	1	11:09:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-7 CCB	1	11:13:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-8 CCV	1	12:15:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-9 CCB	1	12:18:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-10 CCV	1	13:03:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-11 CCB	1	13:07:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-12 CCV	1	13:54:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-13 CCB	1	13:57:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-14 CCV	1	15:15:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-15 CCB	1	15:19:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112034-1 BLANK	1	15:39:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112034-2 LCS	1	15:43:30	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555605-02	1	15:57:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112034-3 MS	1	16:00:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112034-4 MSD	1	16:03:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112034-5 PS	1	16:07:20																										
WG2112034-6 SERDIL	5	16:10:44							X						X													
R2009459-16 CCV	1	16:14:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009459-17 CCB	1	16:17:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555605-01	1	16:42:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555605-03	1	16:46:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555605-04	1	16:49:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE8
Start Date : 09/11/25 09:36

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 09/11/25 17:56

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE8
Start Date : 09/11/25 09:36

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 09/11/25 18:54

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE8
Start Date : 09/11/25 09:36

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 09/11/25 18:54

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID :
Start Date : 09/11/25 09:47

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method :
End Date : 09/11/25 12:43

[illegible]

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: Blank LRS Trace5

Analysis started at: 9/8/2025 5:44:46 AM

Comments: <Comment>

Rack: 0

Vial: 1

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.8 %	0.4 %	0.0 %	0.1 %	0.6 %	0.9 %	0.1 %
	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.2 %	0.5 %	0.0 %	0.8 %	-0.9 %	-1.2 %
	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.5 %	-0.7 %	0.3 %	0.0 %	-0.2 %	-0.5 %	-0.3 %
	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.0 %	0.0 %	0.2 %	-1.2 %	-0.2 %	-0.6 %	-0.3 %
	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.1 %	0.1 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: ICAL
 Analysis started at: 9/8/2025 5:51:07 AM
 Comments: <Comment>
 Rack: 0
 Vial: 2

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0021 ppm	26.8304 ppm	0.9992 ppm	1.0011 ppm	1.0743 ppm	1.0749 ppm	10.7471 ppm
Concentration per Run 2	0.9986 ppm	24.5379 ppm	1.0024 ppm	0.9999 ppm	0.9784 ppm	0.9803 ppm	9.8132 ppm
Concentration per Run 3	0.9993 ppm	23.6317 ppm	0.9984 ppm	0.9990 ppm	0.9473 ppm	0.9449 ppm	9.4396 ppm
Concentration RSD	0.2 %	6.6 %	0.2 %	0.1 %	6.6 %	6.7 %	6.7 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9997 ppm	0.9998 ppm	0.9991 ppm	1.0035 ppm	26.8209 ppm	37.7847 ppm	1.0746 ppm
Concentration per Run 2	1.0011 ppm	1.0017 ppm	1.0005 ppm	0.9885 ppm	24.5214 ppm	34.1074 ppm	0.9785 ppm
Concentration per Run 3	0.9992 ppm	0.9986 ppm	1.0004 ppm	0.9979 ppm	23.6577 ppm	33.1079 ppm	0.9469 ppm
Concentration RSD	0.1 %	0.2 %	0.1 %	0.3 %	6.5 %	7.0 %	6.7 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.0083 ppm	1.0755 ppm	0.9987 ppm	26.8211 ppm	1.0012 ppm	0.9992 ppm	1.0001 ppm
Concentration per Run 2	9.9850 ppm	0.9802 ppm	1.0008 ppm	24.5495 ppm	0.9989 ppm	1.0027 ppm	1.0012 ppm
Concentration per Run 3	10.0067 ppm	0.9444 ppm	1.0005 ppm	23.6293 ppm	0.9989 ppm	0.9981 ppm	0.9987 ppm
Concentration RSD	0.1 %	6.8 %	0.1 %	6.6 %	0.1 %	0.2 %	0.1 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9985 ppm	10.0127 ppm	1.0015 ppm	1.0746 ppm	1.0036 ppm	0.9993 ppm	1.0016 ppm
Concentration per Run 2	1.0005 ppm	10.0024 ppm	0.9995 ppm	0.9785 ppm	0.9981 ppm	1.0022 ppm	0.9982 ppm
Concentration per Run 3	1.0010 ppm	9.9849 ppm	0.9991 ppm	0.9470 ppm	0.9983 ppm	0.9985 ppm	1.0002 ppm
Concentration RSD	0.1 %	0.1 %	0.1 %	6.6 %	0.3 %	0.2 %	0.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	1.0000 ppm	98.9148 %	96.5187 %	101.1593 %	93.4642 %	97.9809 %
Concentration per Run 1	1.0002 ppm	92.0186 %	96.5429 %	97.2488 %	93.5495 %	97.8232 %
Concentration per Run 2	1.0021 ppm	100.4750 %	96.7608 %	97.2581 %	102.1679 %	98.2223 %
Concentration per Run 3	0.9977 ppm	104.2508 %	96.2522 %	97.0063 %	106.6402 %	97.8973 %
Concentration RSD	0.2 %	6.3 %	0.3 %	0.1 %	6.0 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: ICV
Analysis started at: 9/8/2025 6:02:35 AM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.5103 ppm	0.5114 ppm	0.4809 ppm	0.4920 ppm	0.4995 ppm	0.5158 ppm	0.5199 ppm
Concentration per Run 1	0.5094 ppm	0.5527 ppm	0.4801 ppm	0.4916 ppm	0.5292 ppm	0.5481 ppm	0.5565 ppm
Concentration per Run 2	0.5100 ppm	0.4995 ppm	0.4815 ppm	0.4922 ppm	0.4943 ppm	0.5101 ppm	0.5117 ppm
Concentration per Run 3	0.5115 ppm	0.4819 ppm	0.4812 ppm	0.4922 ppm	0.4750 ppm	0.4892 ppm	0.4914 ppm
Recovery Percentage 1	102.060 %	102.278 %	96.185 %	98.400 %	99.904 %	103.161 %	103.974 %
Concentration RSD	0.2 %	7.2 %	0.2 %	0.1 %	5.5 %	5.8 %	6.4 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.4995 ppm	0.5061 ppm	0.5180 ppm	0.5178 ppm	0.5275 ppm	5.0826 ppm	0.5093 ppm
Concentration per Run 1	0.4992 ppm	0.5051 ppm	0.5175 ppm	0.5160 ppm	0.5690 ppm	5.4130 ppm	0.5395 ppm
Concentration per Run 2	0.4993 ppm	0.5070 ppm	0.5171 ppm	0.5182 ppm	0.5194 ppm	5.0021 ppm	0.5036 ppm
Concentration per Run 3	0.4999 ppm	0.5062 ppm	0.5194 ppm	0.5193 ppm	0.4942 ppm	4.8327 ppm	0.4846 ppm
Recovery Percentage 1	99.896 %	101.219 %	103.603 %	103.564 %	105.509 %	101.652 %	101.854 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.3 %	7.2 %	5.9 %	5.5 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.5263 ppm	0.5205 ppm	0.4984 ppm	10.1100 ppm	0.5126 ppm	0.5137 ppm	0.5115 ppm
Concentration per Run 1	0.5266 ppm	0.5530 ppm	0.4978 ppm	10.7389 ppm	0.5124 ppm	0.5147 ppm	0.5133 ppm
Concentration per Run 2	0.5256 ppm	0.5143 ppm	0.4987 ppm	10.0060 ppm	0.5126 ppm	0.5128 ppm	0.5107 ppm
Concentration per Run 3	0.5266 ppm	0.4943 ppm	0.4987 ppm	9.5849 ppm	0.5130 ppm	0.5137 ppm	0.5105 ppm
Recovery Percentage 1	105.251 %	104.108 %	99.685 %	101.100 %	102.528 %	102.749 %	102.300 %
Concentration RSD	0.1 %	5.7 %	0.1 %	5.8 %	0.1 %	0.2 %	0.3 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.4955 ppm	5.4246 ppm	0.5049 ppm	0.5043 ppm	0.5101 ppm	0.5181 ppm	0.5196 ppm
Concentration per Run 1	0.4917 ppm	5.4202 ppm	0.5052 ppm	0.5351 ppm	0.5102 ppm	0.5189 ppm	0.5193 ppm
Concentration per Run 2	0.4943 ppm	5.4271 ppm	0.5054 ppm	0.4989 ppm	0.5091 ppm	0.5197 ppm	0.5189 ppm
Concentration per Run 3	0.5005 ppm	5.4267 ppm	0.5042 ppm	0.4791 ppm	0.5111 ppm	0.5158 ppm	0.5207 ppm
Recovery Percentage 1	99.101 %	103.326 %	100.983 %	100.869 %	102.023 %	103.623 %	103.929 %
Concentration RSD	0.9 %	0.1 %	0.1 %	5.6 %	0.2 %	0.4 %	0.2 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.5058 ppm	100.3100 %	98.4340 %	99.2764 %	100.8495 %	97.8878 %	99.5072 %
Concentration per Run 1	0.5055 ppm	94.2441 %	98.4582 %	99.2206 %	94.7279 %	98.1015 %	99.6503 %
Concentration per Run 2	0.5054 ppm	101.3740 %	98.5629 %	99.2529 %	101.8999 %	97.8391 %	99.4951 %
Concentration per Run 3	0.5065 ppm	105.3118 %	98.2810 %	99.3558 %	105.9206 %	97.7228 %	99.3761 %
Recovery Percentage 1	101.159 %						
Concentration RSD	0.1 %	5.6 %	0.1 %	0.1 %	5.6 %	0.2 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: ICB
Analysis started at: 9/8/2025 6:08:38 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0000 ppm	-0.0027 ppm	0.0004 ppm	0.0014 ppm	0.0003 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 1	-0.0002 ppm	0.0008 ppm	0.0006 ppm	0.0016 ppm	0.0006 ppm	0.0006 ppm	0.0010 ppm
Concentration per Run 2	0.0002 ppm	0.0006 ppm	0.0008 ppm	0.0015 ppm	0.0003 ppm	0.0002 ppm	0.0006 ppm
Concentration per Run 3	-0.0002 ppm	-0.0095 ppm	-0.0003 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm
Recovery Percentage 1	-0.696 %	-2.678 %	7.123 %	4.580 %	3.227 %	6.493 %	0.589 %
Concentration RSD	386.8 %	219.7 %	169.1 %	22.7 %	76.3 %	80.4 %	68.2 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0009 ppm	0.0012 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0019 ppm	0.0230 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0001 ppm	-0.0011 ppm	-0.0141 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	-0.0035 ppm	-0.0052 ppm	0.0006 ppm
Recovery Percentage 1	0.058 %	0.130 %	1.961 %	1.070 %	-1.753 %	0.048 %	6.548 %
Concentration RSD	676.7 %	481.9 %	181.2 %	45.4 %	310.0 %	1,600.0 %	59.4 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	-0.0008 ppm	0.0004 ppm	0.0020 ppm	0.0117 ppm	0.0000 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0007 ppm	0.0024 ppm	0.0017 ppm	0.0000 ppm	-0.0001 ppm	0.0019 ppm
Concentration per Run 2	-0.0015 ppm	0.0005 ppm	0.0020 ppm	0.0197 ppm	0.0000 ppm	0.0006 ppm	0.0011 ppm
Concentration per Run 3	-0.0009 ppm	0.0001 ppm	0.0016 ppm	0.0136 ppm	-0.0001 ppm	-0.0007 ppm	-0.0012 ppm
Recovery Percentage 1	-0.782 %	4.244 %	4.003 %	0.583 %	-0.026 %	-1.457 %	1.269 %
Concentration RSD	97.3 %	61.2 %	18.8 %	78.3 %	979.9 %	436.2 %	252.7 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0013 ppm	-0.0040 ppm	-0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0019 ppm	0.0000 ppm
Concentration per Run 1	-0.0004 ppm	-0.0042 ppm	-0.0002 ppm	0.0007 ppm	0.0000 ppm	0.0034 ppm	0.0001 ppm
Concentration per Run 2	0.0029 ppm	-0.0046 ppm	0.0002 ppm	0.0002 ppm	-0.0002 ppm	0.0022 ppm	0.0000 ppm
Concentration per Run 3	0.0015 ppm	-0.0031 ppm	-0.0006 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm
Recovery Percentage 1	13.252 %	-0.796 %	-0.465 %	3.161 %	-0.739 %	9.438 %	0.482 %
Concentration RSD	126.6 %	19.3 %	166.4 %	94.8 %	181.6 %	89.1 %	141.7 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0002 ppm	99.9665 %	99.5445 %	99.8047 %	99.9425 %	100.3319 %	99.7445 %
Concentration per Run 1	-0.0002 ppm	93.0485 %	99.3380 %	99.8088 %	93.0367 %	100.2965 %	98.6201 %
Concentration per Run 2	-0.0002 ppm	102.0961 %	100.5382 %	99.7052 %	102.0723 %	100.5537 %	100.6129 %
Concentration per Run 3	-0.0002 ppm	104.7550 %	99.7574 %	99.9001 %	104.7185 %	100.1456 %	100.0005 %
Recovery Percentage 1	-3.758 %						
Concentration RSD	7.0 %	6.1 %	1.1 %	0.1 %	6.1 %	0.2 %	1.0 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: ICV
Analysis started at: 9/8/2025 6:15:02 AM
Comments: changed position
Rack: 0
Vial: 10

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.4927 ppm	0.5101 ppm	0.4849 ppm	0.4958 ppm	0.5151 ppm	0.5249 ppm	0.5278 ppm
Concentration per Run 1	0.4923 ppm	0.5514 ppm	0.4832 ppm	0.4957 ppm	0.5542 ppm	0.5651 ppm	0.5728 ppm
Concentration per Run 2	0.4924 ppm	0.5001 ppm	0.4878 ppm	0.4965 ppm	0.5069 ppm	0.5164 ppm	0.5138 ppm
Concentration per Run 3	0.4934 ppm	0.4788 ppm	0.4838 ppm	0.4953 ppm	0.4841 ppm	0.4930 ppm	0.4966 ppm
Recovery Percentage 1	98.536 %	102.020 %	96.981 %	99.167 %	103.014 %	104.972 %	105.553 %
Concentration RSD	0.1 %	7.3 %	0.5 %	0.1 %	6.9 %	7.0 %	7.6 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.5014 ppm	0.5082 ppm	0.5190 ppm	0.5207 ppm	0.5209 ppm	5.2443 ppm	0.5130 ppm
Concentration per Run 1	0.5010 ppm	0.5075 ppm	0.5212 ppm	0.5199 ppm	0.5604 ppm	5.6477 ppm	0.5518 ppm
Concentration per Run 2	0.5021 ppm	0.5088 ppm	0.5178 ppm	0.5216 ppm	0.5145 ppm	5.1606 ppm	0.5049 ppm
Concentration per Run 3	0.5011 ppm	0.5081 ppm	0.5180 ppm	0.5206 ppm	0.4878 ppm	4.9247 ppm	0.4823 ppm
Recovery Percentage 1	100.285 %	101.630 %	103.796 %	104.145 %	104.145 %	104.887 %	102.601 %
Concentration RSD	0.1 %	0.1 %	0.4 %	0.2 %	7.1 %	7.0 %	6.9 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.5289 ppm	0.5329 ppm	0.4959 ppm	10.3163 ppm	0.5131 ppm	0.5156 ppm	0.5117 ppm
Concentration per Run 1	0.5304 ppm	0.5732 ppm	0.4958 ppm	11.1030 ppm	0.5133 ppm	0.5152 ppm	0.5116 ppm
Concentration per Run 2	0.5292 ppm	0.5256 ppm	0.4957 ppm	10.1693 ppm	0.5124 ppm	0.5167 ppm	0.5112 ppm
Concentration per Run 3	0.5301 ppm	0.4957 ppm	0.4961 ppm	9.6766 ppm	0.5136 ppm	0.5150 ppm	0.5121 ppm
Recovery Percentage 1	105.981 %	106.573 %	99.177 %	103.163 %	102.621 %	103.122 %	102.331 %
Concentration RSD	0.1 %	7.0 %	0.0 %	7.0 %	0.1 %	0.2 %	0.1 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.4956 ppm	5.4024 ppm	0.5037 ppm	0.5165 ppm	0.5135 ppm	0.5218 ppm	0.5211 ppm
Concentration per Run 1	0.4939 ppm	5.4020 ppm	0.5033 ppm	0.5559 ppm	0.5142 ppm	0.5218 ppm	0.5206 ppm
Concentration per Run 2	0.4976 ppm	5.4030 ppm	0.5081 ppm	0.5081 ppm	0.5124 ppm	0.5217 ppm	0.5206 ppm
Concentration per Run 3	0.4952 ppm	5.4022 ppm	0.5028 ppm	0.4856 ppm	0.5140 ppm	0.5220 ppm	0.5222 ppm
Recovery Percentage 1	99.116 %	102.903 %	100.747 %	103.305 %	102.707 %	104.369 %	104.227 %
Concentration RSD	0.4 %	0.0 %	0.2 %	6.9 %	0.2 %	0.0 %	0.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5072 ppm	98.0064 %	99.0188 %	99.1912 %	98.8834 %	98.1833 %	99.7148 %
Concentration per Run 1	0.5065 ppm	91.1172 %	99.0830 %	99.3554 %	92.0925 %	98.2189 %	99.6653 %
Concentration per Run 2	0.5081 ppm	99.4211 %	98.9765 %	99.3366 %	100.2592 %	98.1754 %	100.0537 %
Concentration per Run 3	0.5070 ppm	103.4808 %	98.6370 %	99.2417 %	104.2985 %	98.1555 %	99.4253 %
Recovery Percentage 1	101.439 %						
Concentration RSD	0.2 %	6.4 %	0.4 %	0.2 %	6.3 %	0.0 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: ICB
Analysis started at: 9/8/2025 6:21:09 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0000 ppm	-0.0014 ppm	0.0004 ppm	0.0013 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 1	0.0001 ppm	-0.0028 ppm	-0.0002 ppm	0.0011 ppm	0.0004 ppm	0.0005 ppm	0.0032 ppm
Concentration per Run 2	0.0000 ppm	-0.0063 ppm	0.0001 ppm	0.0012 ppm	0.0003 ppm	0.0003 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0048 ppm	0.0012 ppm	0.0016 ppm	0.0001 ppm	0.0002 ppm	-0.0014 ppm
Recovery Percentage 1	-0.108 %	-1.446 %	7.675 %	4.412 %	2.725 %	6.160 %	0.197 %
Concentration RSD	1.7077 %	394.9 %	194.8 %	20.6 %	66.8 %	58.4 %	1.309.7 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0019 ppm	0.0015 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0017 ppm	-0.0136 ppm	0.0006 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0025 ppm	0.0186 ppm	0.0009 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0016 ppm	-0.0004 ppm	0.0008 ppm
Recovery Percentage 1	2.010 %	0.379 %	1.082 %	1.082 %	-3.881 %	0.061 %	7.542 %
Concentration RSD	41.8 %	34.2 %	206.7 %	110.9 %	27.0 %	1,063.9 %	22.6 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	-0.0006 ppm	0.0007 ppm	0.0016 ppm	0.0095 ppm	0.0000 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run 1	0.0006 ppm	0.0008 ppm	0.0020 ppm	0.0079 ppm	-0.0001 ppm	-0.0001 ppm	-0.0010 ppm
Concentration per Run 2	-0.0008 ppm	0.0008 ppm	0.0017 ppm	0.0035 ppm	0.0001 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 3	-0.0015 ppm	0.0004 ppm	0.0013 ppm	0.0173 ppm	-0.0001 ppm	0.0012 ppm	-0.0001 ppm
Recovery Percentage 1	-0.554 %	6.683 %	3.285 %	0.477 %	-0.070 %	3.366 %	-0.391 %
Concentration RSD	191.2 %	40.6 %	21.5 %	73.8 %	647.4 %	223.9 %	400.4 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0000 ppm	-0.0043 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run 1	0.0004 ppm	-0.0047 ppm	0.0000 ppm	0.0005 ppm	-0.0001 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run 2	-0.0007 ppm	-0.0043 ppm	-0.0006 ppm	0.0003 ppm	-0.0001 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run 3	0.0001 ppm	-0.0041 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0009 ppm	0.0000 ppm
Recovery Percentage 1	-0.393 %	-0.870 %	-0.392 %	3.156 %	0.480 %	7.679 %	0.006 %
Concentration RSD	1,435.4 %	8.1 %	158.1 %	40.5 %	542.8 %	40.2 %	7,411.7 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0001 ppm	99.9378 %	99.8346 %	100.1897 %	99.9590 %	100.5968 %	99.8367 %
Concentration per Run 1	-0.0002 ppm	94.7162 %	99.9290 %	100.2231 %	94.3820 %	100.6043 %	100.0410 %
Concentration per Run 2	0.0000 ppm	100.9347 %	99.7387 %	100.2818 %	101.1411 %	100.5942 %	99.7475 %
Concentration per Run 3	0.0000 ppm	104.1625 %	99.8359 %	100.0642 %	104.3540 %	100.5919 %	99.7215 %
Recovery Percentage 1	-1.712 %						
Concentration RSD	112.6 %	4.8 %	0.1 %	0.1 %	5.1 %	0.0 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: ICSA
Analysis started at: 9/8/2025 6:27:31 AM
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0017 ppm	483.4470 ppm	-0.0087 ppm	0.0078 ppm	0.0008 ppm	-0.0001 ppm	447.0670 ppm
Concentration per Run 1	-0.0014 ppm	471.4367 ppm	-0.0097 ppm	0.0081 ppm	0.0008 ppm	-0.0001 ppm	438.6945 ppm
Concentration per Run 2	-0.0017 ppm	493.6850 ppm	-0.0082 ppm	0.0073 ppm	0.0009 ppm	-0.0001 ppm	460.6098 ppm
Concentration per Run 3	-0.0019 ppm	485.2195 ppm	-0.0083 ppm	0.0079 ppm	0.0008 ppm	-0.0001 ppm	441.8968 ppm
Recovery Percentage 1	-23.678 %	483.447.047 %	-174.009 %	25.926 %	7.939 %	-2.762 %	447.067.015 %
Concentration RSD	13.0 %	2.3 %	9.5 %	5.5 %	8.3 %	8.1 %	2.6 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	-0.0068 ppm	0.0005 ppm	0.0018 ppm	0.0034 ppm	170.9170 ppm	0.0382 ppm	-0.0045 ppm
Concentration per Run 1	-0.0070 ppm	0.0003 ppm	0.0017 ppm	0.0034 ppm	167.2681 ppm	0.0381 ppm	-0.0040 ppm
Concentration per Run 2	-0.0068 ppm	0.0006 ppm	0.0023 ppm	0.0035 ppm	175.0969 ppm	0.0498 ppm	-0.0049 ppm
Concentration per Run 3	-0.0066 ppm	0.0006 ppm	0.0013 ppm	0.0034 ppm	170.3860 ppm	0.0268 ppm	-0.0045 ppm
Recovery Percentage 1	-169.654 %	2.588 %	17.502 %	34.220 %	341.833.973 %	1.529 %	-44.850 %
Concentration RSD	3.1 %	31.9 %	29.4 %	1.4 %	2.3 %	30.1 %	10.2 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	500.6744 [SIC 500]	-0.0009 ppm	-0.0001 ppm	0.0352 ppm	-0.0059 ppm	-0.0097 ppm	-0.0079 ppm
Concentration per Run 1	502.1181 ppm	-0.0009 ppm	-0.0001 ppm	0.0391 ppm	-0.0059 ppm	-0.0094 ppm	-0.0099 ppm
Concentration per Run 2	500.4670 ppm	-0.0011 ppm	-0.0004 ppm	0.0389 ppm	-0.0060 ppm	-0.0104 ppm	-0.0081 ppm
Concentration per Run 3	499.4382 ppm	-0.0008 ppm	0.0002 ppm	0.0276 ppm	-0.0058 ppm	-0.0093 ppm	-0.0057 ppm
Recovery Percentage 1	500.674.411 %	-9.439 %	-0.198 %	1.760 %	-23.549 %	-97.147 %	-15.803 %
Concentration RSD	0.3 %	14.9 %	325.0 %	18.7 %	1.9 %	6.4 %	26.7 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0014 ppm	-0.0105 ppm	0.0020 ppm	-0.0008 ppm	-0.0047 ppm	0.0043 ppm	-0.0013 ppm
Concentration per Run 1	0.0042 ppm	-0.0093 ppm	0.0022 ppm	-0.0009 ppm	-0.0050 ppm	0.0020 ppm	-0.0014 ppm
Concentration per Run 2	-0.0016 ppm	-0.0117 ppm	0.0027 ppm	-0.0007 ppm	-0.0047 ppm	0.0061 ppm	-0.0014 ppm
Concentration per Run 3	0.0016 ppm	-0.0105 ppm	0.0011 ppm	-0.0007 ppm	-0.0043 ppm	0.0048 ppm	-0.0012 ppm
Recovery Percentage 1	14.065 %	-2.101 %	3.992 %	-7.725 %	-46.620 %	21.464 %	-13.300 %
Concentration RSD	205.7 %	116 %	39.8 %	11.9 %	7.7 %	49.5 %	10.2 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0044 ppm	98.2669 %	85.0126 %	85.8925 %	99.6429 %	73.0915 %	85.6722 %
Concentration per Run 1	0.0044 ppm	100.3459 %	84.7818 %	85.7682 %	102.0592 %	73.0769 %	85.5962 %
Concentration per Run 2	0.0046 ppm	95.9575 %	85.2019 %	85.8722 %	97.4208 %	73.0477 %	85.7850 %
Concentration per Run 3	0.0043 ppm	98.4973 %	85.0541 %	86.0392 %	99.4488 %	73.1499 %	85.6354 %
Recovery Percentage 1	88.967 %						
Concentration RSD	3.7 %	2.2 %	0.3 %	0.2 %	2.3 %	0.1 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: SIC Multi
Analysis started at: 9/8/2025 6:34:15 AM
Comments: <Comment>
Rack: 0
Vial: 7

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0024 ppm	0.3027 ppm	-0.0003 ppm	0.0038 ppm	0.0017 ppm	-0.0074 ppm	0.2647 ppm
Concentration per Run 1	0.0026 ppm	0.5465 ppm	0.0006 ppm	0.0020 ppm	0.0020 ppm	-0.0079 ppm	0.4823 ppm
Concentration per Run 2	0.0023 ppm	0.2190 ppm	-0.0011 ppm	0.0039 ppm	0.0017 ppm	-0.0073 ppm	0.1891 ppm
Concentration per Run 3	0.0024 ppm	0.1426 ppm	-0.0004 ppm	0.0037 ppm	0.0016 ppm	-0.0071 ppm	0.1227 ppm
Recovery Percentage 1	34.692 %	302.705 %	-5.924 %	12.762 %	17.448 %	-148.778 %	264.695 %
Concentration RSD	5.9 %	70.9 %	289.9 %	3.5 %	11.0 %	5.5 %	72.3 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0030 ppm	-0.0009 ppm	20.6300 ppm	0.0001 ppm	0.1347 ppm	0.0542 ppm	0.0016 ppm
Concentration per Run 1	0.0030 ppm	-0.0012 ppm	20.6087 ppm	0.0001 ppm	0.2391 ppm	0.0483 ppm	0.0022 ppm
Concentration per Run 2	0.0029 ppm	-0.0009 ppm	20.7892 ppm	0.0001 ppm	0.0977 ppm	0.0608 ppm	0.0015 ppm
Concentration per Run 3	0.0030 ppm	-0.0008 ppm	20.4920 ppm	0.0001 ppm	0.0672 ppm	0.0533 ppm	0.0011 ppm
Recovery Percentage 1	74.345 %	-4.744 %	206.299 587 %	1.266 %	269.349 %	2.166 %	15.770 %
Concentration RSD	1.5 %	24.6 %	0.7 %	12.8 %	68.1 %	11.6 %	35.0 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.2356 ppm	20.7244 [SIC 25]	0.0076 ppm	0.0604 ppm	0.0018 ppm	0.0040 ppm	0.0224 ppm
Concentration per Run 1	0.2090 ppm	22.2298 ppm	0.0079 ppm	0.0645 ppm	0.0018 ppm	0.0041 ppm	0.0236 ppm
Concentration per Run 2	0.2343 ppm	20.3295 ppm	0.0074 ppm	0.0572 ppm	0.0020 ppm	0.0042 ppm	0.0207 ppm
Concentration per Run 3	0.2634 ppm	19.6137 ppm	0.0074 ppm	0.0594 ppm	0.0015 ppm	0.0038 ppm	0.0228 ppm
Recovery Percentage 1	235.561 %	207.243.655 %	15.207 %	3.019 %	7.067 %	40.025 %	44.750 %
Concentration RSD	11.5 %	6.5 %	3.9 %	6.3 %	13.6 %	5.5 %	6.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0067 ppm	-0.2211 ppm	0.0008 ppm	0.0023 ppm	20.4550 ppm	0.0009 ppm	10.3720 [SIC 10]
Concentration per Run 1	-0.0070 ppm	-0.2169 ppm	0.0005 ppm	0.0025 ppm	20.4824 ppm	-0.0009 ppm	10.3630 ppm
Concentration per Run 2	-0.0084 ppm	-0.2207 ppm	0.0005 ppm	0.0022 ppm	20.4849 ppm	0.0008 ppm	10.4051 ppm
Concentration per Run 3	-0.0048 ppm	-0.2258 ppm	0.0012 ppm	0.0022 ppm	20.3978 ppm	0.0029 ppm	10.3479 ppm
Recovery Percentage 1	-67.206 %	-44.222 %	1.523 %	22.983 %	204.550 447 %	4.664 %	103.719.729 %
Concentration RSD	26.9 %	2.0 %	49.8 %	7.4 %	0.2 %	205.2 %	0.3 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0013 ppm	101.0489 %	99.1296 %	99.6808 %	102.1050 %	97.7203 %	99.4795 %
Concentration per Run 1	-0.0012 ppm	94.8597 %	99.0376 %	99.7011 %	95.8006 %	97.7039 %	99.5041 %
Concentration per Run 2	-0.0013 ppm	102.4960 %	98.7575 %	99.6560 %	103.6767 %	97.6379 %	99.2047 %
Concentration per Run 3	-0.0014 ppm	105.7909 %	99.5937 %	99.6853 %	106.8376 %	97.8191 %	99.7297 %
Recovery Percentage 1	-26.202 %						
Concentration RSD	10.2 %	5.5 %	0.4 %	0.0 %	5.6 %	0.1 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: LDR Check
Analysis started at: 9/8/2025 6:41:06 AM
Comments: <Comment>
Rack: 0
Vial: 8

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0007 ppm	0.0592 ppm	0.0592 ppm	4.9841 ppm	9.2397 ppm	0.0004 ppm	0.0179 ppm
Concentration per Run 1	0.0004 ppm	0.0726 ppm	0.0726 ppm	5.4430 ppm	9.4554 ppm	0.0005 ppm	0.0227 ppm
Concentration per Run 2	0.0008 ppm	0.0528 ppm	0.0528 ppm	4.9921 ppm	9.1827 ppm	0.0004 ppm	0.0174 ppm
Concentration per Run 3	0.0008 ppm	0.0520 ppm	0.0520 ppm	4.9959 ppm	9.0809 ppm	0.0004 ppm	0.0136 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	99.681 %	92.397 %	0.000 %	0.000 %
Concentration RSD	34.4 %	19.7 %	0.3 %	0.4 %	2.1 %	11.9 %	25.7 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	-0.0001 ppm	0.0006 ppm	0.0011 ppm	20.1680 [SIC 50]	0.0063 ppm	303.8125 ppm	5.1418 ppm
Concentration per Run 1	-0.0001 ppm	0.0007 ppm	0.0009 ppm	20.2721 ppm	0.0118 ppm	315.2695 ppm	5.3432 ppm
Concentration per Run 2	-0.0001 ppm	0.0004 ppm	0.0012 ppm	20.1335 ppm	0.0045 ppm	300.1397 ppm	5.0608 ppm
Concentration per Run 3	-0.0001 ppm	0.0007 ppm	0.0011 ppm	20.0985 ppm	0.0027 ppm	296.0284 ppm	5.0015 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	100.840 %	0.000 %	101.271 %	102.837 %
Concentration RSD	21.5 %	30.9 %	18.1 %	0.5 %	76.6 %	3.3 %	3.5 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0410 ppm	0.0059 ppm	5.0896 [SIC 20]	451.6256 ppm	10.0708 [SIC 20]	48.8272 ppm	0.0229 ppm
Concentration per Run 1	0.0403 ppm	0.0110 ppm	5.0711 ppm	467.4824 ppm	10.0442 ppm	48.7154 ppm	0.0235 ppm
Concentration per Run 2	0.0407 ppm	0.0044 ppm	5.0937 ppm	447.6627 ppm	10.0813 ppm	48.8823 ppm	0.0241 ppm
Concentration per Run 3	0.0421 ppm	0.0023 ppm	5.1042 ppm	439.7315 ppm	10.0869 ppm	48.8838 ppm	0.0210 ppm
Recovery Percentage 1	0.000 %	0.000 %	101.793 %	90.325 %	100.708 %	97.654 %	0.000 %
Concentration RSD	2.3 %	76.6 %	0.3 %	3.2 %	0.2 %	0.2 %	7.3 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0029 ppm	21.3318 [SIC 200]	0.0010 ppm	0.0009 ppm	0.0057 ppm	0.0009 ppm	0.0029 ppm
Concentration per Run 1	-0.0047 ppm	21.2337 ppm	0.0006 ppm	0.0010 ppm	0.0065 ppm	0.0014 ppm	0.0029 ppm
Concentration per Run 2	-0.0012 ppm	21.3396 ppm	0.0012 ppm	0.0009 ppm	0.0055 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 3	-0.0030 ppm	21.4221 ppm	0.0012 ppm	0.0009 ppm	0.0050 ppm	0.0014 ppm	0.0032 ppm
Recovery Percentage 1	0.000 %	106.659 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	60.4 %	0.4 %	36.3 %	9.4 %	14.0 %	85.9 %	9.1 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	20.2596 [SIC 50]	99.6936 %	87.8655 %	85.4017 %	100.7049 %	84.9798 %	87.9738 %
Concentration per Run 1	20.2401 ppm	96.9964 %	87.5167 %	85.4357 %	97.9009 %	85.2295 %	87.7029 %
Concentration per Run 2	20.2812 ppm	100.7000 %	87.9597 %	85.3775 %	101.7250 %	84.8078 %	87.9852 %
Concentration per Run 3	20.2575 ppm	101.3843 %	88.1202 %	85.3918 %	102.4888 %	84.9020 %	88.2332 %
Recovery Percentage 1	101.298 %						
Concentration RSD	0.1 %	2.4 %	0.4 %	0.0 %	2.4 %	0.3 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: xLLOQ.RL

Analysis started at: 9/8/2025 6:47:47 AM

Comments: <Comment>

Rack: 0

Vial: 5

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0054 ppm	0.1248 ppm	0.0091 ppm	0.0380 ppm	0.0152 ppm	0.0053 ppm	0.1232 ppm
Concentration per Run 1	0.0053 ppm	0.1537 ppm	0.0097 ppm	0.0387 ppm	0.0204 ppm	0.0059 ppm	0.1487 ppm
Concentration per Run 2	0.0057 ppm	0.1182 ppm	0.0080 ppm	0.0377 ppm	0.0134 ppm	0.0052 ppm	0.1128 ppm
Concentration per Run 3	0.0051 ppm	0.1024 ppm	0.0095 ppm	0.0377 ppm	0.0118 ppm	0.0050 ppm	0.1082 ppm
Recovery Percentage 1	107.181 %	21.1 %	181.044 %	126.788 %	151.907 %	106.978 %	123.219 %
Concentration RSD	5.3 %		10.0 %	1.6 %	30.2 %	8.4 %	18.0 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0041 ppm	0.0102 ppm		0.0124 ppm	0.0623 ppm	2.9261 ppm	0.0158 ppm
Concentration per Run 1	0.0041 ppm	0.0102 ppm		0.0126 ppm	0.0780 ppm	3.2718 ppm	0.0192 ppm
Concentration per Run 2	0.0041 ppm	0.0102 ppm		0.0125 ppm	0.0570 ppm	2.8147 ppm	0.0152 ppm
Concentration per Run 3	0.0040 ppm	0.0103 ppm		0.0122 ppm	0.0517 ppm	2.6916 ppm	0.0132 ppm
Recovery Percentage 1	101.459 %	102.370 %		124.307 %	124.528 %	117.042 %	158.410 %
Concentration RSD	0.4 %	0.1 %		1.7 %	22.3 %	10.4 %	19.3 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.1106 ppm	0.0124 ppm		2.3871 ppm	0.0227 ppm	0.0230 ppm	0.0508 ppm
Concentration per Run 1	0.1119 ppm	0.0144 ppm		2.7741 ppm	0.0223 ppm	0.0215 ppm	0.0510 ppm
Concentration per Run 2	0.1105 ppm	0.0118 ppm		2.2588 ppm	0.0230 ppm	0.0247 ppm	0.0499 ppm
Concentration per Run 3	0.1094 ppm	0.0110 ppm		2.1284 ppm	0.0228 ppm	0.0229 ppm	0.0516 ppm
Recovery Percentage 1	110.602 %	123.981 %		119.354 %	113.572 %	230.264 %	101.640 %
Concentration RSD	1.1 %	14.2 %		14.3 %	1.5 %	6.9 %	1.7 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0086 ppm	0.5325 ppm	0.0512 ppm	0.0104 ppm	0.0113 ppm	0.0213 ppm	0.0107 ppm
Concentration per Run 1	0.0069 ppm	0.5322 ppm	0.0510 ppm	0.0115 ppm	0.0115 ppm	0.0213 ppm	0.0107 ppm
Concentration per Run 2	0.0085 ppm	0.5324 ppm	0.0513 ppm	0.0099 ppm	0.0114 ppm	0.0220 ppm	0.0107 ppm
Concentration per Run 3	0.0105 ppm	0.5330 ppm	0.0513 ppm	0.0096 ppm	0.0110 ppm	0.0204 ppm	0.0106 ppm
Recovery Percentage 1	86.207 %	106.503 %	102.412 %	103.702 %	112.983 %	106.251 %	106.746 %
Concentration RSD	21.2 %	0.1 %	0.4 %	9.9 %	2.1 %	3.8 %	0.5 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0096 ppm	100.8519 %	100.9979 %	100.7848 %	100.9543 %	100.4478 %	101.1655 %
Concentration per Run 1	0.0088 ppm	93.1150 %	100.9577 %	100.7712 %	92.9311 %	100.6252 %	100.9641 %
Concentration per Run 2	0.0102 ppm	103.0748 %	100.8804 %	100.8536 %	102.9957 %	100.3787 %	101.2214 %
Concentration per Run 3	0.0099 ppm	106.3660 %	101.1556 %	100.7296 %	106.9361 %	100.3397 %	101.3110 %
Recovery Percentage 1	192.660 %						
Concentration RSD	7.3 %	6.8 %	0.1 %	0.1 %	7.2 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: LLOQ RL
Analysis started at: 9/8/2025 7:23:08 AM
Comments: <Comment>
Rack: 0
Vial: 5

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0051 ppm	0.1169 ppm	0.1169 ppm	0.0325 ppm	0.0113 ppm	0.0053 ppm	0.1180 ppm
Concentration per Run 1	0.0054 ppm	0.1407 ppm	0.1407 ppm	0.0323 ppm	0.0127 ppm	0.0058 ppm	0.1433 ppm
Concentration per Run 2	0.0050 ppm	0.1052 ppm	0.1052 ppm	0.0325 ppm	0.0110 ppm	0.0051 ppm	0.1110 ppm
Concentration per Run 3	0.0050 ppm	0.1048 ppm	0.1048 ppm	0.0328 ppm	0.0102 ppm	0.0049 ppm	0.0997 ppm
Recovery Percentage 1	102.250 %	116.891 %	116.891 %	108.377 %	113.045 %	105.875 %	117.992 %
Concentration RSD	4.6 %	17.6 %	17.6 %	0.7 %	11.4 %	8.4 %	19.2 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0040 ppm	0.0101 ppm	0.0101 ppm	0.0107 ppm	0.0590 ppm	2.5612 ppm	0.0106 ppm
Concentration per Run 1	0.0040 ppm	0.0101 ppm	0.0101 ppm	0.0122 ppm	0.0710 ppm	2.7652 ppm	0.0113 ppm
Concentration per Run 2	0.0041 ppm	0.0101 ppm	0.0101 ppm	0.0122 ppm	0.0555 ppm	2.4932 ppm	0.0106 ppm
Concentration per Run 3	0.0040 ppm	0.0101 ppm	0.0101 ppm	0.0121 ppm	0.0504 ppm	2.4253 ppm	0.0100 ppm
Recovery Percentage 1	100.674 %	101.223 %	101.223 %	121.721 %	117.939 %	102.449 %	106.314 %
Concentration RSD	1.2 %	0.3 %	0.3 %	0.5 %	18.2 %	7.0 %	6.5 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.1099 ppm	0.0113 ppm	0.0522 ppm	2.1133 ppm	0.0213 ppm	0.0145 ppm	0.0516 ppm
Concentration per Run 1	0.1124 ppm	0.0123 ppm	0.0526 ppm	2.3090 ppm	0.0213 ppm	0.0131 ppm	0.0509 ppm
Concentration per Run 2	0.1062 ppm	0.0111 ppm	0.0521 ppm	2.0596 ppm	0.0215 ppm	0.0155 ppm	0.0522 ppm
Concentration per Run 3	0.1111 ppm	0.0106 ppm	0.0518 ppm	1.9712 ppm	0.0211 ppm	0.0150 ppm	0.0516 ppm
Recovery Percentage 1	109.882 %	113.239 %	104.413 %	105.663 %	106.412 %	145.421 %	103.101 %
Concentration RSD	3.0 %	7.8 %	0.8 %	8.3 %	0.8 %	8.6 %	1.3 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0098 ppm	0.5259 ppm	0.5259 ppm	0.0100 ppm	0.0105 ppm	0.0215 ppm	0.0106 ppm
Concentration per Run 1	0.0105 ppm	0.5265 ppm	0.5265 ppm	0.0109 ppm	0.0104 ppm	0.0220 ppm	0.0105 ppm
Concentration per Run 2	0.0125 ppm	0.5284 ppm	0.5284 ppm	0.0098 ppm	0.0106 ppm	0.0216 ppm	0.0107 ppm
Concentration per Run 3	0.0065 ppm	0.5259 ppm	0.5259 ppm	0.0094 ppm	0.0105 ppm	0.0210 ppm	0.0106 ppm
Recovery Percentage 1	98.220 %	105.187 %	105.187 %	100.345 %	105.236 %	107.582 %	105.743 %
Concentration RSD	30.7 %	0.1 %	0.1 %	8.1 %	0.7 %	2.2 %	0.8 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0067 ppm	102.5523 %	102.0372 %	101.5128 %	100.7873 %	99.5707 %	100.6522 %
Concentration per Run 1	0.0063 ppm	95.5128 %	102.3195 %	101.6385 %	99.5473 %	99.6747 %	100.8237 %
Concentration per Run 2	0.0069 ppm	104.2577 %	102.0876 %	101.5437 %	102.5253 %	99.4985 %	100.6598 %
Concentration per Run 3	0.0068 ppm	107.8862 %	101.7044 %	101.3561 %	106.2893 %	99.5390 %	100.4732 %
Recovery Percentage 1	133.605 %						
Concentration RSD	4.3 %	6.2 %	0.3 %	0.1 %	6.5 %	0.1 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: xLDR 200Fe

Analysis started at: 9/8/2025 7:29:29 AM

Comments: <Comment>

Rack: 1

Vial: 1

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0013 ppm	0.0063 ppm	0.0012 ppm	0.0015 ppm	0.0002 ppm	0.0000 ppm	0.0051 ppm
Concentration per Run 1	-0.0014 ppm	0.0114 ppm	0.0028 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	0.0066 ppm
Concentration per Run 2	-0.0011 ppm	0.0071 ppm	0.0003 ppm	0.0018 ppm	0.0002 ppm	0.0000 ppm	0.0035 ppm
Concentration per Run 3	-0.0014 ppm	0.0003 ppm	0.0004 ppm	0.0017 ppm	0.0002 ppm	-0.0001 ppm	0.0051 ppm
Recovery Percentage 1	-18.324 %	6.252 %	23.759 %	5.167 %	2.391 %	-0.402 %	5.054 %
Concentration RSD	10.7 %	89.0 %	118.1 %	20.8 %	1.6 %	202.3 %	31.1 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0017 ppm	-0.0001 ppm	0.0007 ppm	0.0000 ppm	173.9631 ppm	0.0264 ppm	-0.0001 ppm
Concentration per Run 1	0.0014 ppm	-0.0002 ppm	0.0006 ppm	0.0002 ppm	180.3902 ppm	0.0376 ppm	-0.0002 ppm
Concentration per Run 2	0.0017 ppm	0.0000 ppm	0.0006 ppm	0.0000 ppm	170.7106 ppm	0.0156 ppm	-0.0004 ppm
Concentration per Run 3	0.0018 ppm	0.0000 ppm	0.0007 ppm	-0.0001 ppm	170.7886 ppm	0.0260 ppm	0.0004 ppm
Recovery Percentage 1	41.305 %	-0.375 %	6.570 %	-0.051 %	347.926278 %	1.056 %	-0.680 %
Concentration RSD	13.3 %	201.1 %	10.3 %	2.820.4 %	3.2 %	41.6 %	654.2 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	-0.0105 ppm	0.0002 ppm	-0.0010 ppm	0.0289 ppm	-0.0079 ppm	-0.0001 ppm	-0.0056 ppm
Concentration per Run 1	-0.0105 ppm	0.0003 ppm	-0.0009 ppm	0.0302 ppm	-0.0074 ppm	-0.0004 ppm	-0.0078 ppm
Concentration per Run 2	-0.0106 ppm	0.0003 ppm	-0.0010 ppm	0.0223 ppm	-0.0078 ppm	-0.0001 ppm	-0.0040 ppm
Concentration per Run 3	-0.0104 ppm	0.0000 ppm	-0.0012 ppm	0.0282 ppm	-0.0086 ppm	0.0000 ppm	-0.0049 ppm
Recovery Percentage 1	-10.500 %	2.131 %	-2.045 %	1.346 %	-31.684 %	-1.491 %	-11.202 %
Concentration RSD	0.7 %	75.8 %	14.7 %	15.2 %	7.5 %	145.4 %	35.7 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0032 ppm	-0.0036 ppm	0.0000 ppm	0.0001 ppm	-0.0005 ppm	0.0042 ppm	-0.0008 ppm
Concentration per Run 1	0.0019 ppm	-0.0031 ppm	-0.0001 ppm	0.0002 ppm	-0.0006 ppm	0.0035 ppm	-0.0008 ppm
Concentration per Run 2	0.0035 ppm	-0.0040 ppm	0.0004 ppm	0.0002 ppm	-0.0003 ppm	0.0043 ppm	-0.0009 ppm
Concentration per Run 3	0.0041 ppm	-0.0038 ppm	-0.0003 ppm	0.0000 ppm	-0.0006 ppm	0.0049 ppm	-0.0007 ppm
Recovery Percentage 1	31.662 %	-0.728 %	0.018 %	1.245 %	-4.881 %	21.090 %	-7.701 %
Concentration RSD	36.0 %	12.9 %	3.652.0 %	99.7 %	33.9 %	17.1 %	12.6 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0024 ppm	106.1816 %	99.2097 %	98.5895 %	106.5851 %	94.8709 %
Concentration per Run 1	-0.0023 ppm	103.1658 %	99.3525 %	98.5880 %	104.1249 %	95.0432 %
Concentration per Run 2	-0.0023 ppm	107.4683 %	99.3286 %	98.5554 %	107.6835 %	95.0554 %
Concentration per Run 3	-0.0025 ppm	107.9108 %	98.9481 %	98.6252 %	107.9470 %	94.5141 %
Recovery Percentage 1	-47.409 %					
Concentration RSD	4.1 %	2.5 %	0.2 %	0.0 %	2.0 %	0.3 %
						0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: LDR 500 Ca Pass
Analysis started at: 9/8/2025 7:50:29 AM
Comments: <Comment>

Rack: 1
Vial: 2

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0003 ppm	0.0312 ppm	-0.0009 ppm	0.0034 ppm	0.0011 ppm	-0.0002 ppm	478.1769 ppm
Concentration per Run 1	0.0000 ppm	0.0365 ppm	-0.0022 ppm	0.0032 ppm	0.0013 ppm	-0.0001 ppm	505.9158 ppm
Concentration per Run 2	-0.0007 ppm	0.0353 ppm	0.0000 ppm	0.0037 ppm	0.0012 ppm	-0.0002 ppm	467.7599 ppm
Concentration per Run 3	-0.0003 ppm	0.0220 ppm	-0.0004 ppm	0.0034 ppm	0.0010 ppm	-0.0002 ppm	460.8552 ppm
Recovery Percentage 1	-4.719 %	31.246 %	-17.662 %	11.481 %	11.475 %	-3.080 %	478.176.937 %
Concentration RSD	98.2 %	25.8 %	134.6 %	6.6 %	14.8 %	18.0 %	5.1 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0022 ppm	0.0004 ppm	0.0005 ppm	0.0015 ppm	0.1193 ppm	0.0089 ppm	-0.0041 ppm
Concentration per Run 1	0.0022 ppm	0.0005 ppm	0.0004 ppm	0.0015 ppm	0.2126 ppm	0.0155 ppm	-0.0035 ppm
Concentration per Run 2	0.0022 ppm	0.0003 ppm	0.0005 ppm	0.0015 ppm	0.0866 ppm	0.0122 ppm	-0.0043 ppm
Concentration per Run 3	0.0021 ppm	0.0003 ppm	0.0005 ppm	0.0015 ppm	0.0587 ppm	-0.0011 ppm	-0.0043 ppm
Recovery Percentage 1	54.936 %	1.944 %	4.787 %	14.745 %	238.648 %	0.356 %	-40.523 %
Concentration RSD	2.6 %	35.0 %	9.7 %	1.0 %	68.7 %	98.7 %	11.2 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0139 ppm	0.0006 ppm	0.0000 ppm	0.0378 ppm	-0.0001 ppm	0.0003 ppm	-0.0019 ppm
Concentration per Run 1	0.0146 ppm	0.0008 ppm	0.0000 ppm	0.0312 ppm	-0.0003 ppm	0.0012 ppm	-0.0012 ppm
Concentration per Run 2	0.0148 ppm	0.0002 ppm	0.0001 ppm	0.0497 ppm	0.0000 ppm	-0.0006 ppm	-0.0032 ppm
Concentration per Run 3	0.0123 ppm	0.0007 ppm	-0.0001 ppm	0.0324 ppm	0.0000 ppm	0.0002 ppm	-0.0012 ppm
Recovery Percentage 1	13.874 %	5.824 %	-0.015 %	1.888 %	-0.356 %	2.582 %	-3.786 %
Concentration RSD	9.9 %	51.7 %	999.9 %	27.4 %	222.6 %	364.2 %	62.0 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0025 ppm	-0.0019 ppm	-0.0008 ppm	-0.0032 ppm	-0.0054 ppm	0.0011 ppm	0.0005 ppm
Concentration per Run 1	-0.0035 ppm	-0.0013 ppm	-0.0007 ppm	-0.0034 ppm	-0.0054 ppm	0.0030 ppm	0.0004 ppm
Concentration per Run 2	-0.0040 ppm	-0.0013 ppm	-0.0009 ppm	-0.0032 ppm	-0.0055 ppm	-0.0016 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0030 ppm	-0.0009 ppm	-0.0032 ppm	-0.0054 ppm	0.0018 ppm	0.0005 ppm
Recovery Percentage 1	-25.008 %	-0.373 %	-1.659 %	-32.355 %	-54.464 %	5.383 %	4.603 %
Concentration RSD	85.9 %	53.9 %	8.9 %	3.8 %	1.4 %	217.9 %	10.7 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0005 ppm	101.6654 %	91.6385 %	91.8334 %	99.6266 %	82.0895 %	90.3005 %
Concentration per Run 1	0.0006 ppm	96.6759 %	91.7680 %	92.0528 %	94.2015 %	82.1858 %	90.5126 %
Concentration per Run 2	0.0005 ppm	103.5958 %	91.7912 %	91.7912 %	101.8293 %	82.2420 %	90.1017 %
Concentration per Run 3	0.0005 ppm	104.7244 %	91.5677 %	91.6563 %	102.8489 %	81.8408 %	90.2873 %
Recovery Percentage 1	10.931 %						
Concentration RSD	13.9 %	4.3 %	0.1 %	0.2 %	4.7 %	0.3 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: LLOQ.005 ppm Zn

Analysis started at: 9/8/2025 8:00:33 AM

Comments: <Comment>

Rack: 1

Vial: 3

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0052 ppm	0.0079 ppm	0.0040 ppm	0.0062 ppm	0.0053 ppm	0.0052 ppm	0.1638 ppm
Concentration per Run 1	0.0051 ppm	0.0124 ppm	0.0044 ppm	0.0063 ppm	0.0057 ppm	0.0055 ppm	0.2374 ppm
Concentration per Run 2	0.0052 ppm	0.0105 ppm	0.0042 ppm	0.0061 ppm	0.0052 ppm	0.0051 ppm	0.1475 ppm
Concentration per Run 3	0.0054 ppm	0.0007 ppm	0.0035 ppm	0.0064 ppm	0.0049 ppm	0.0050 ppm	0.1066 ppm
Recovery Percentage 1	104.578 %	79.5 %	80.365 %	2.7 %	105.499 %	104.128 %	0.000 %
Concentration RSD	3.5 %		11.9 %		7.1 %	5.8 %	40.8 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0050 ppm	0.0051 ppm	0.0053 ppm	0.0058 ppm	0.0162 ppm	0.0690 ppm	0.0053 ppm
Concentration per Run 1	0.0050 ppm	0.0051 ppm	0.0052 ppm	0.0057 ppm	0.0196 ppm	0.0747 ppm	0.0066 ppm
Concentration per Run 2	0.0050 ppm	0.0051 ppm	0.0052 ppm	0.0056 ppm	0.0157 ppm	0.0690 ppm	0.0055 ppm
Concentration per Run 3	0.0050 ppm	0.0050 ppm	0.0054 ppm	0.0060 ppm	0.0134 ppm	0.0633 ppm	0.0039 ppm
Recovery Percentage 1	100.265 %	101.684 %	105.121 %	115.657 %	324.717 %	0.000 %	0.000 %
Concentration RSD	0.3 %	0.7 %	2.5 %	4.1 %	19.1 %	8.3 %	25.5 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.0108 ppm	0.0056 ppm	0.0048 ppm	0.1303 ppm	0.0054 ppm	0.0054 ppm	0.0046 ppm
Concentration per Run 1	0.0095 ppm	0.0059 ppm	0.0049 ppm	0.1383 ppm	0.0056 ppm	0.0055 ppm	0.0054 ppm
Concentration per Run 2	0.0117 ppm	0.0055 ppm	0.0048 ppm	0.1235 ppm	0.0054 ppm	0.0054 ppm	0.0049 ppm
Concentration per Run 3	0.0111 ppm	0.0055 ppm	0.0048 ppm	0.1291 ppm	0.0052 ppm	0.0052 ppm	0.0036 ppm
Recovery Percentage 1	0.000 %	112.488 %	96.673 %	0.000 %	107.755 %	107.640 %	92.424 %
Concentration RSD	10.8 %	4.1 %	0.5 %	5.8 %	3.7 %	3.2 %	19.3 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0047 ppm	0.0506 ppm	0.0045 ppm	0.0052 ppm	0.0051 ppm	0.0053 ppm	0.0054 ppm
Concentration per Run 1	0.0048 ppm	0.0500 ppm	0.0047 ppm	0.0056 ppm	0.0052 ppm	0.0057 ppm	0.0054 ppm
Concentration per Run 2	0.0036 ppm	0.0509 ppm	0.0046 ppm	0.0052 ppm	0.0052 ppm	0.0040 ppm	0.0053 ppm
Concentration per Run 3	0.0057 ppm	0.0507 ppm	0.0044 ppm	0.0049 ppm	0.0047 ppm	0.0063 ppm	0.0055 ppm
Recovery Percentage 1	94.286 %	1,011.069 %	90.854 %	104.282 %	101.162 %	106.537 %	107.686 %
Concentration RSD	22.3 %	1.0 %	3.4 %	6.8 %	5.5 %	22.8 %	1.7 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0051 ppm	101.4136 %	101.4164 %	102.1297 %	99.6866 %	100.1043 %	99.7045 %
Concentration per Run 1	0.0052 ppm	95.5733 %	101.4401 %	102.1783 %	93.9539 %	100.0560 %	99.7948 %
Concentration per Run 2	0.0051 ppm	102.8043 %	101.0533 %	102.1681 %	100.9095 %	100.3187 %	99.3575 %
Concentration per Run 3	0.0052 ppm	105.8633 %	101.7560 %	102.0425 %	104.1964 %	99.9382 %	99.9612 %
Recovery Percentage 1	102.852 %						
Concentration RSD	1.3 %	5.2 %	0.3 %	0.1 %	5.2 %	0.2 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: LLOQ.01 ppm Cu Pb

Analysis started at: 9/8/2025 8:06:52 AM

Comments: <Comment>

Rack: 1

Vial: 4

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0103 ppm	0.0207 ppm	0.0096 ppm	0.0110 ppm	0.0103 ppm	0.0102 ppm	0.0584 ppm
Concentration per Run 1	0.0104 ppm	0.0270 ppm	0.0099 ppm	0.0111 ppm	0.0113 ppm	0.0109 ppm	0.0746 ppm
Concentration per Run 2	0.0102 ppm	0.0198 ppm	0.0105 ppm	0.0108 ppm	0.0100 ppm	0.0101 ppm	0.0548 ppm
Concentration per Run 3	0.0102 ppm	0.0154 ppm	0.0085 ppm	0.0112 ppm	0.0098 ppm	0.0097 ppm	0.0458 ppm
Recovery Percentage 1	0.000 %	0.000 %	96.151 %	110.389 %	103.462 %	0.000 %	0.000 %
Concentration RSD	1.0 %	28.4 %	10.6 %	1.9 %	7.9 %	5.9 %	25.2 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0099 ppm	0.0100 ppm	0.0103 ppm	0.0108 ppm	0.0223 ppm	0.1173 ppm	0.0112 ppm
Concentration per Run 1	0.0099 ppm	0.0101 ppm	0.0107 ppm	0.0107 ppm	0.0296 ppm	0.1320 ppm	0.0116 ppm
Concentration per Run 2	0.0098 ppm	0.0100 ppm	0.0099 ppm	0.0108 ppm	0.0200 ppm	0.1106 ppm	0.0116 ppm
Concentration per Run 3	0.0099 ppm	0.0098 ppm	0.0103 ppm	0.0109 ppm	0.0171 ppm	0.1093 ppm	0.0103 ppm
Recovery Percentage 1	0.000 %	99.501 %	103.231 %	108.076 %	0.000 %	0.000 %	111.745 %
Concentration RSD	0.2 %	1.5 %	3.9 %	1.2 %	29.4 %	10.9 %	6.5 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.0152 ppm	0.0107 ppm	0.0095 ppm	0.2278 ppm	0.0105 ppm	0.0107 ppm	0.0098 ppm
Concentration per Run 1	0.0139 ppm	0.0116 ppm	0.0096 ppm	0.2489 ppm	0.0106 ppm	0.0109 ppm	0.0097 ppm
Concentration per Run 2	0.0151 ppm	0.0104 ppm	0.0095 ppm	0.2215 ppm	0.0104 ppm	0.0106 ppm	0.0091 ppm
Concentration per Run 3	0.0164 ppm	0.0102 ppm	0.0096 ppm	0.2131 ppm	0.0104 ppm	0.0108 ppm	0.0107 ppm
Recovery Percentage 1	0.000 %	107.313 %	95.406 %	0.000 %	104.818 %	107.428 %	0.000 %
Concentration RSD	8.2 %	6.9 %	0.7 %	8.2 %	1.1 %	1.4 %	8.0 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0100 ppm	0.1022 ppm	0.0097 ppm	0.0101 ppm	0.0100 ppm	0.0100 ppm	0.0104 ppm
Concentration per Run 1	0.0085 ppm	0.1027 ppm	0.0100 ppm	0.0108 ppm	0.0100 ppm	0.0107 ppm	0.0102 ppm
Concentration per Run 2	0.0121 ppm	0.1022 ppm	0.0097 ppm	0.0099 ppm	0.0100 ppm	0.0091 ppm	0.0106 ppm
Concentration per Run 3	0.0092 ppm	0.1015 ppm	0.0095 ppm	0.0096 ppm	0.0101 ppm	0.0102 ppm	0.0104 ppm
Recovery Percentage 1	99.535 %	0.000 %	97.300 %	101.066 %	100.278 %	99.857 %	104.104 %
Concentration RSD	19.4 %	0.6 %	2.6 %	6.1 %	0.8 %	8.5 %	2.0 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0100 ppm	102.4520 %	102.2724 %	100.7830 %	100.4825 %	100.5227 %
Concentration per Run 1	0.0099 ppm	96.5366 %	102.0304 %	102.1532 %	100.4842 %	100.2345 %
Concentration per Run 2	0.0101 ppm	104.1266 %	102.3421 %	101.8569 %	102.5932 %	100.5754 %
Concentration per Run 3	0.0099 ppm	106.6927 %	102.4448 %	105.2113 %	100.4606 %	100.7584 %
Recovery Percentage 1	99.857 %					
Concentration RSD	1.2 %	5.2 %	0.2 %	0.1 %	5.5 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: zLLOQ.05 ppm
Analysis started at: 9/8/2025 8:13:11 AM
Comments: <Comment>
Rack: 1
Vial: 5

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0528 ppm	0.0584 ppm	0.0494 ppm	0.0504 ppm	0.0511 ppm	0.0523 ppm	0.0787 ppm
Concentration per Run 1	0.0529 ppm	0.0654 ppm	0.0505 ppm	0.0509 ppm	0.0545 ppm	0.0556 ppm	0.0910 ppm
Concentration per Run 2	0.0530 ppm	0.0557 ppm	0.0502 ppm	0.0499 ppm	0.0504 ppm	0.0513 ppm	0.0756 ppm
Concentration per Run 3	0.0526 ppm	0.0540 ppm	0.0475 ppm	0.0504 ppm	0.0485 ppm	0.0498 ppm	0.0695 ppm
Recovery Percentage 1	0.000 %	116.745 %	0.000 %	0.000 %	0.000 %	0.000 %	157.409 %
Concentration RSD	0.3 %	10.6 %	3.3 %	1.0 %	6.0 %	5.7 %	14.1 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0501 ppm	0.0511 ppm	0.0527 ppm	0.0536 ppm	0.0564 ppm	0.5209 ppm	0.0523 ppm
Concentration per Run 1	0.0501 ppm	0.0511 ppm	0.0531 ppm	0.0535 ppm	0.0615 ppm	0.5685 ppm	0.0549 ppm
Concentration per Run 2	0.0499 ppm	0.0509 ppm	0.0526 ppm	0.0535 ppm	0.0556 ppm	0.5078 ppm	0.0516 ppm
Concentration per Run 3	0.0502 ppm	0.0514 ppm	0.0525 ppm	0.0538 ppm	0.0521 ppm	0.4862 ppm	0.0504 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	112.834 %	20.834 %	0.000 %
Concentration RSD	0.3 %	0.6 %	0.6 %	0.4 %	8.3 %	8.2 %	4.5 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0580 ppm	0.0537 ppm	0.0497 ppm	1.0564 ppm	0.0525 ppm	0.0531 ppm	0.0508 ppm
Concentration per Run 1	0.0607 ppm	0.0570 ppm	0.0496 ppm	1.1187 ppm	0.0526 ppm	0.0534 ppm	0.0505 ppm
Concentration per Run 2	0.0574 ppm	0.0532 ppm	0.0497 ppm	1.0395 ppm	0.0523 ppm	0.0522 ppm	0.0502 ppm
Concentration per Run 3	0.0558 ppm	0.0510 ppm	0.0498 ppm	1.0109 ppm	0.0527 ppm	0.0537 ppm	0.0518 ppm
Recovery Percentage 1	115.936 %	0.000 %	0.000 %	105.637 %	0.000 %	0.000 %	101.654 %
Concentration RSD	4.2 %	5.6 %	0.2 %	5.3 %	0.4 %	1.4 %	1.7 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0505 ppm	0.5372 ppm	0.0512 ppm	0.0511 ppm	0.0522 ppm	0.0531 ppm	0.0534 ppm
Concentration per Run 1	0.0501 ppm	0.5368 ppm	0.0517 ppm	0.0544 ppm	0.0522 ppm	0.0529 ppm	0.0536 ppm
Concentration per Run 2	0.0509 ppm	0.5362 ppm	0.0510 ppm	0.0503 ppm	0.0519 ppm	0.0532 ppm	0.0534 ppm
Concentration per Run 3	0.0505 ppm	0.5386 ppm	0.0510 ppm	0.0486 ppm	0.0524 ppm	0.0533 ppm	0.0532 ppm
Recovery Percentage 1	0.000 %	107.444 %	102.491 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	0.8 %	0.2 %	0.7 %	5.9 %	0.4 %	0.4 %	0.4 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0508 ppm	103.0365 %	102.0341 %	102.0991 %	101.5643 %	100.7451 %	100.8571 %
Concentration per Run 1	0.0508 ppm	97.1038 %	101.9219 %	102.1985 %	95.8160 %	100.7921 %	100.8186 %
Concentration per Run 2	0.0506 ppm	104.2106 %	101.8793 %	102.0900 %	102.6182 %	100.8858 %	100.7720 %
Concentration per Run 3	0.0509 ppm	107.7952 %	102.3012 %	102.0107 %	106.2587 %	100.5576 %	100.9806 %
Recovery Percentage 1	101.545 %						
Concentration RSD	0.3 %	5.3 %	0.2 %	0.1 %	5.2 %	0.2 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: LDR 100 Fe
 Analysis started at: 9/8/2025 8:20:45 AM
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0007 ppm	0.0028 ppm	0.0007 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0107 ppm
Concentration per Run 1	-0.0006 ppm	0.0067 ppm	0.0007 ppm	0.0005 ppm	0.0002 ppm	0.0001 ppm	0.0142 ppm
Concentration per Run 2	-0.0008 ppm	0.0007 ppm	0.0017 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0086 ppm
Concentration per Run 3	-0.0007 ppm	0.0011 ppm	0.0012 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0094 ppm
Recovery Percentage 1	-9.707 %	2.825 %	2.825 %	2.247 %	1.101 %	0.450 %	10.738 %
Concentration RSD	15.9 %	117.6 %	51.6 %	22.9 %	72.0 %	182.7 %	28.5 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0009 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	92.0446 ppm	0.0191 ppm	0.0002 ppm
Concentration per Run 1	0.0007 ppm	-0.0001 ppm	0.0007 ppm	0.0004 ppm	97.7366 ppm	0.0257 ppm	-0.0001 ppm
Concentration per Run 2	0.0009 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	89.5809 ppm	0.0109 ppm	0.0009 ppm
Concentration per Run 3	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	88.8163 ppm	0.0206 ppm	-0.0003 ppm
Recovery Percentage 1	21.489 %	0.275 %	2.837 %	3.511 %	184.089186 %	0.762 %	1.813 %
Concentration RSD	21.8 %	183.9 %	129.9 %	25.1 %	5.4 %	39.5 %	358.0 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	-0.0048 ppm	0.0002 ppm	-0.0008 ppm	0.0147 ppm	-0.0056 ppm	-0.0001 ppm	-0.0022 ppm
Concentration per Run 1	-0.0057 ppm	0.0003 ppm	-0.0007 ppm	0.0166 ppm	-0.0052 ppm	-0.0005 ppm	-0.0023 ppm
Concentration per Run 2	-0.0054 ppm	0.0002 ppm	-0.0009 ppm	0.0099 ppm	-0.0052 ppm	0.0007 ppm	-0.0028 ppm
Concentration per Run 3	-0.0034 ppm	0.0000 ppm	-0.0009 ppm	0.0175 ppm	-0.0063 ppm	-0.0005 ppm	-0.0016 ppm
Recovery Percentage 1	-4.840 %	1.808 %	-1.647 %	0.734 %	-22.294 %	-1.165 %	-4.470 %
Concentration RSD	26.6 %	94.5 %	13.3 %	28.1 %	11.3 %	582.7 %	27.2 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0015 ppm	-0.0052 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0016 ppm	-0.0003 ppm
Concentration per Run 1	0.0018 ppm	-0.0056 ppm	0.0005 ppm	0.0002 ppm	-0.0004 ppm	0.0031 ppm	-0.0003 ppm
Concentration per Run 2	0.0016 ppm	-0.0052 ppm	-0.0003 ppm	0.0001 ppm	-0.0006 ppm	0.0012 ppm	-0.0005 ppm
Concentration per Run 3	0.0011 ppm	-0.0049 ppm	0.0002 ppm	0.0001 ppm	-0.0006 ppm	0.0005 ppm	-0.0002 ppm
Recovery Percentage 1	15.136 %	-1.045 %	0.260 %	1.073 %	-5.475 %	8.057 %	-3.369 %
Concentration RSD	24.0 %	7.1 %	300.8 %	57.5 %	27.2 %	80.9 %	38.0 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0012 ppm	104.9521 %	100.3993 %	100.2522 %	104.8073 %	97.4294 %	99.9595 %
Concentration per Run 1	-0.0012 ppm	100.1564 %	100.2128 %	100.1828 %	100.2532 %	97.4391 %	99.8753 %
Concentration per Run 2	-0.0011 ppm	106.6415 %	100.1447 %	100.3603 %	106.3316 %	97.7475 %	99.8932 %
Concentration per Run 3	-0.0012 ppm	108.0582 %	100.8403 %	100.2135 %	107.8370 %	97.1017 %	100.1099 %
Recovery Percentage 1	-23.339 %						
Concentration RSD	8.8 %	4.0 %	0.4 %	0.1 %	3.8 %	0.3 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: CCV

Analysis started at: 9/8/2025 8:30:56 AM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.5072 ppm	0.5017 ppm	0.4870 ppm	0.4921 ppm	0.5021 ppm	0.5227 ppm	0.5167 ppm
Concentration per Run 1	0.5075 ppm	0.5299 ppm	0.4866 ppm	0.4916 ppm	0.5307 ppm	0.5528 ppm	0.5468 ppm
Concentration per Run 2	0.5067 ppm	0.4923 ppm	0.4875 ppm	0.4916 ppm	0.4974 ppm	0.5171 ppm	0.5108 ppm
Concentration per Run 3	0.5075 ppm	0.4828 ppm	0.4871 ppm	0.4931 ppm	0.4781 ppm	0.4983 ppm	0.4926 ppm
Recovery Percentage 1	101.443 %	100.335 %	97.407 %	98.426 %	100.420 %	104.546 %	103.343 %
Concentration RSD	0.1 %	5.0 %	0.1 %	0.2 %	5.3 %	5.3 %	5.3 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.4936 ppm	0.5013 ppm	0.5101 ppm	0.5141 ppm	0.6032 ppm	5.0280 ppm	0.5168 ppm
Concentration per Run 1	0.4924 ppm	0.5008 ppm	0.5106 ppm	0.5147 ppm	0.7002 ppm	5.3139 ppm	0.5459 ppm
Concentration per Run 2	0.4945 ppm	0.5012 ppm	0.5095 ppm	0.5123 ppm	0.5819 ppm	4.9720 ppm	0.5102 ppm
Concentration per Run 3	0.4939 ppm	0.5019 ppm	0.5102 ppm	0.5153 ppm	0.5276 ppm	4.7981 ppm	0.4943 ppm
Recovery Percentage 1	98.727 %	100.259 %	102.021 %	102.819 %	120.646 %	100.560 %	103.359 %
Concentration RSD	0.2 %	0.1 %	0.1 %	0.3 %	14.6 %	5.2 %	5.1 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.5328 ppm	0.5205 ppm	0.5063 ppm	10.3463 ppm	0.5170 ppm	0.5191 ppm	0.5098 ppm
Concentration per Run 1	0.5353 ppm	0.5517 ppm	0.5057 ppm	10.9329 ppm	0.5162 ppm	0.5174 ppm	0.5100 ppm
Concentration per Run 2	0.5331 ppm	0.5145 ppm	0.5062 ppm	10.2399 ppm	0.5176 ppm	0.5195 ppm	0.5086 ppm
Concentration per Run 3	0.5299 ppm	0.4953 ppm	0.5070 ppm	9.8661 ppm	0.5173 ppm	0.5205 ppm	0.5109 ppm
Recovery Percentage 1	106.555 %	104.106 %	101.255 %	103.463 %	103.408 %	103.828 %	101.968 %
Concentration RSD	0.5 %	5.5 %	0.1 %	5.2 %	0.1 %	0.3 %	0.2 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.5028 ppm	5.4356 ppm	0.5146 ppm	0.5025 ppm	0.5152 ppm	0.5122 ppm	0.5203 ppm
Concentration per Run 1	0.5005 ppm	5.4382 ppm	0.5142 ppm	0.5314 ppm	0.5152 ppm	0.5089 ppm	0.5208 ppm
Concentration per Run 2	0.5056 ppm	5.4308 ppm	0.5141 ppm	0.4980 ppm	0.5146 ppm	0.5118 ppm	0.5198 ppm
Concentration per Run 3	0.5022 ppm	5.4400 ppm	0.5156 ppm	0.4781 ppm	0.5157 ppm	0.5159 ppm	0.5204 ppm
Recovery Percentage 1	100.554 %	103.536 %	102.928 %	100.500 %	103.032 %	102.443 %	104.068 %
Concentration RSD	0.5 %	0.1 %	0.2 %	5.4 %	0.1 %	0.7 %	0.1 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.5040 ppm	102.0615 %	100.3931 %	100.9735 %	100.7680 %	97.4823 %	99.3422 %
Concentration per Run 1	0.5026 ppm	97.0636 %	100.6217 %	101.1364 %	95.9653 %	97.7334 %	99.4666 %
Concentration per Run 2	0.5047 ppm	103.2505 %	100.0925 %	100.7703 %	101.8384 %	97.3733 %	99.1410 %
Concentration per Run 3	0.5047 ppm	105.8703 %	100.4651 %	101.0138 %	104.5004 %	97.3403 %	99.4190 %
Recovery Percentage 1	100.801 %						
Concentration RSD	0.2 %	4.4 %	0.3 %	0.2 %	4.3 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: CCB
 Analysis started at: 9/8/2025 8:36:59 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0001 ppm	-0.0023 ppm	0.0002 ppm	0.0013 ppm	0.0006 ppm	0.0005 ppm	0.0022 ppm
Concentration per Run 1	-0.0001 ppm	-0.0023 ppm	0.0002 ppm	0.0013 ppm	0.0006 ppm	0.0005 ppm	0.0022 ppm
Concentration per Run 2	-0.0001 ppm	-0.0023 ppm	0.0002 ppm	0.0013 ppm	0.0006 ppm	0.0005 ppm	0.0022 ppm
Concentration per Run 3	-0.0002 ppm	-0.0036 ppm	-0.0008 ppm	0.0012 ppm	0.0003 ppm	0.0003 ppm	-0.0008 ppm
Recovery Percentage 1	-1.622 %	-2.347 %	3.805 %	4.385 %	5.632 %	10.191 %	2.165 %
Concentration RSD	60.0 %	79.3 %	642.3 %	5.6 %	67.5 %	67.9 %	214.4 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0246 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0004 ppm	0.0021 ppm	0.0195 ppm	0.0006 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0018 ppm	0.0322 ppm	0.0015 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0006 ppm	-0.0002 ppm	0.0220 ppm	-0.0001 ppm
Recovery Percentage 1	3.050 %	0.566 %	2.187 %	3.898 %	0.057 %	0.983 %	6.643 %
Concentration RSD	8.0 %	206.4 %	22.4 %	48.5 %	7,004.0 %	27.5 %	123.4 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	-0.0010 ppm	0.0007 ppm	0.0013 ppm	0.0182 ppm	0.0002 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 1	-0.0005 ppm	0.0010 ppm	0.0016 ppm	0.0231 ppm	0.0000 ppm	0.0013 ppm	-0.0016 ppm
Concentration per Run 2	-0.0011 ppm	0.0006 ppm	0.0013 ppm	0.0100 ppm	0.0004 ppm	0.0009 ppm	0.0018 ppm
Concentration per Run 3	-0.0015 ppm	0.0005 ppm	0.0010 ppm	0.0216 ppm	0.0003 ppm	-0.0002 ppm	0.0005 ppm
Recovery Percentage 1	-1.024 %	6.929 %	2.591 %	0.912 %	0.956 %	6.614 %	0.458 %
Concentration RSD	44.9 %	38.0 %	23.4 %	39.5 %	76.0 %	116.2 %	754.7 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0003 ppm	-0.0028 ppm	-0.0003 ppm	0.0004 ppm	-0.0001 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 1	-0.0001 ppm	-0.0029 ppm	-0.0004 ppm	0.0008 ppm	0.0000 ppm	0.0017 ppm	0.0003 ppm
Concentration per Run 2	-0.0014 ppm	-0.0022 ppm	-0.0008 ppm	0.0004 ppm	-0.0001 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 3	0.0002 ppm	-0.0032 ppm	-0.0003 ppm	0.0002 ppm	-0.0003 ppm	-0.0002 ppm	0.0004 ppm
Recovery Percentage 1	-3.367 %	-0.561 %	-1.021 %	4.397 %	-1.329 %	4.271 %	2.565 %
Concentration RSD	261.0 %	18.0 %	59.3 %	63.3 %	89.4 %	112.6 %	65.5 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0002 ppm	101.5048 %	101.3109 %	101.5681 %	99.3010 %	99.8313 %	99.5762 %
Concentration per Run 1	-0.0002 ppm	95.3755 %	101.3233 %	101.5253 %	93.1923 %	99.8014 %	99.4584 %
Concentration per Run 2	-0.0002 ppm	102.8460 %	101.5528 %	101.6452 %	100.7421 %	99.8722 %	99.9506 %
Concentration per Run 3	-0.0003 ppm	106.2931 %	101.0566 %	101.5338 %	103.9687 %	99.8202 %	99.3196 %
Recovery Percentage 1	-4.618 %						
Concentration RSD	7.4 %	5.5 %	0.2 %	0.1 %	5.6 %	0.0 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: CCV

Analysis started at: 9/8/2025 8:55:59 AM

Comments: changed position

Rack: 0

Vial: 10

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.4916 ppm	0.5100 ppm	0.4901 ppm	0.4981 ppm	0.5123 ppm	0.5324 ppm	0.5214 ppm
Concentration per Run 1	0.4908 ppm	0.5434 ppm	0.4920 ppm	0.4989 ppm	0.5439 ppm	0.5655 ppm	0.5554 ppm
Concentration per Run 2	0.4927 ppm	0.5075 ppm	0.4886 ppm	0.4974 ppm	0.5088 ppm	0.5284 ppm	0.5186 ppm
Concentration per Run 3	0.4912 ppm	0.4790 ppm	0.4897 ppm	0.4982 ppm	0.4842 ppm	0.5034 ppm	0.4901 ppm
Recovery Percentage 1	98.314 %	101.993 %	98.015 %	99.624 %	102.460 %	106.481 %	104.271 %
Concentration RSD	0.2 %	6.3 %	0.4 %	0.2 %	5.9 %	5.9 %	6.3 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.4950 ppm	0.5029 ppm	0.5122 ppm	0.5155 ppm	0.5098 ppm	5.0933 ppm	0.5188 ppm
Concentration per Run 1	0.4951 ppm	0.5023 ppm	0.5125 ppm	0.5131 ppm	0.5426 ppm	5.3912 ppm	0.5515 ppm
Concentration per Run 2	0.4939 ppm	0.5022 ppm	0.5118 ppm	0.5175 ppm	0.5084 ppm	5.0624 ppm	0.5143 ppm
Concentration per Run 3	0.4960 ppm	0.5041 ppm	0.5123 ppm	0.5158 ppm	0.4784 ppm	4.8264 ppm	0.4907 ppm
Recovery Percentage 1	99.001 %	100.574 %	102.444 %	103.098 %	101.963 %	101.867 %	103.769 %
Concentration RSD	0.2 %	0.2 %	0.1 %	0.4 %	6.3 %	5.6 %	5.9 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.5411 ppm	0.5275 ppm	0.5091 ppm	10.5713 ppm	0.5195 ppm	0.5226 ppm	0.5133 ppm
Concentration per Run 1	0.5391 ppm	0.5603 ppm	0.5099 ppm	11.2057 ppm	0.5209 ppm	0.5222 ppm	0.5134 ppm
Concentration per Run 2	0.5414 ppm	0.5232 ppm	0.5075 ppm	10.5062 ppm	0.5179 ppm	0.5231 ppm	0.5131 ppm
Concentration per Run 3	0.5427 ppm	0.4988 ppm	0.5099 ppm	10.0022 ppm	0.5198 ppm	0.5225 ppm	0.5134 ppm
Recovery Percentage 1	108.218 %	105.491 %	101.821 %	105.713 %	103.907 %	104.521 %	102.658 %
Concentration RSD	0.3 %	5.9 %	0.3 %	5.7 %	0.3 %	0.1 %	0.0 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.5065 ppm	5.4497 ppm	0.5172 ppm	0.5100 ppm	0.5206 ppm	0.5143 ppm	0.5242 ppm
Concentration per Run 1	0.5071 ppm	5.4598 ppm	0.5173 ppm	0.5410 ppm	0.5202 ppm	0.5160 ppm	0.5230 ppm
Concentration per Run 2	0.5083 ppm	5.4401 ppm	0.5175 ppm	0.5067 ppm	0.5204 ppm	0.5117 ppm	0.5247 ppm
Concentration per Run 3	0.5041 ppm	5.4491 ppm	0.5169 ppm	0.4822 ppm	0.5211 ppm	0.5153 ppm	0.5248 ppm
Recovery Percentage 1	101.300 %	103.804 %	103.448 %	101.995 %	104.118 %	102.864 %	104.837 %
Concentration RSD	0.4 %	0.2 %	0.1 %	5.8 %	0.1 %	0.4 %	0.2 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.5063 ppm	100.7190 %	100.7853 %	101.1394 %	98.6304 %	97.5343 %	98.9556 %
Concentration per Run 1	0.5066 ppm	95.7214 %	100.8844 %	101.1723 %	93.6363 %	97.3041 %	98.9974 %
Concentration per Run 2	0.5052 ppm	100.6887 %	100.7500 %	101.1857 %	98.5241 %	97.8055 %	98.8542 %
Concentration per Run 3	0.5071 ppm	105.7471 %	100.7217 %	101.0602 %	103.7307 %	97.4933 %	99.0153 %
Recovery Percentage 1	101.267 %						
Concentration RSD	0.2 %	5.0 %	0.1 %	0.1 %	5.1 %	0.3 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: CCB
Analysis started at: 9/8/2025 9:02:06 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0001 ppm	-0.0014 ppm	0.0002 ppm	0.0012 ppm	0.0001 ppm	0.0002 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	-0.0006 ppm	0.0009 ppm	0.0014 ppm	0.0002 ppm	0.0003 ppm	0.0012 ppm
Concentration per Run 2	0.0002 ppm	-0.0011 ppm	0.0009 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 3	0.0002 ppm	-0.0024 ppm	0.0005 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm
Recovery Percentage 1	1.917 %	-1.374 %	3.529 %	4.161 %	1.119 %	3.636 %	0.897 %
Concentration RSD	58.2 %	66.0 %	541.1 %	11.3 %	104.6 %	42.2 %	125.0 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0003 ppm	-0.0035 ppm	0.0057 ppm	0.0004 ppm
Concentration per Run 1	0.0002 ppm	0.0004 ppm	0.0007 ppm	0.0003 ppm	-0.0024 ppm	0.0055 ppm	0.0003 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	-0.0041 ppm	0.0078 ppm	0.0011 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0003 ppm	-0.0040 ppm	0.0037 ppm	-0.0002 ppm
Recovery Percentage 1	3.782 %	1.216 %	3.708 %	3.349 %	-7.002 %	0.227 %	3.924 %
Concentration RSD	21.4 %	59.7 %	69.4 %	14.2 %	27.5 %	36.6 %	170.3 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0002 ppm	0.0002 ppm	0.0008 ppm	0.0139 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	-0.0007 ppm	0.0007 ppm	0.0009 ppm	0.0165 ppm	0.0003 ppm	0.0010 ppm	-0.0010 ppm
Concentration per Run 2	0.0027 ppm	0.0000 ppm	0.0007 ppm	0.0122 ppm	0.0002 ppm	0.0007 ppm	0.0007 ppm
Concentration per Run 3	-0.0013 ppm	0.0000 ppm	0.0008 ppm	0.0131 ppm	0.0001 ppm	-0.0002 ppm	0.0007 ppm
Recovery Percentage 1	0.227 %	2.403 %	1.618 %	0.696 %	0.766 %	4.151 %	0.254 %
Concentration RSD	940.7 %	175.8 %	9.3 %	16.1 %	60.3 %	126.1 %	743.4 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0008 ppm	-0.0035 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run 1	0.0006 ppm	-0.0036 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0021 ppm	0.0005 ppm
Concentration per Run 2	-0.0013 ppm	-0.0031 ppm	-0.0004 ppm	0.0003 ppm	-0.0001 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 3	0.0030 ppm	-0.0039 ppm	-0.0001 ppm	0.0003 ppm	-0.0003 ppm	-0.0001 ppm	0.0002 ppm
Recovery Percentage 1	7.542 %	-0.700 %	-0.019 %	2.583 %	-1.287 %	1.874 %	3.429 %
Concentration RSD	285.8 %	11.2 %	5,141.7 %	15.6 %	101.7 %	412.1 %	48.6 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0001 ppm	103.6838 %	101.3948 %	101.4674 %	100.9279 %	99.5422 %	99.3328 %
Concentration per Run 1	-0.0002 ppm	100.0351 %	101.3636 %	101.6033 %	97.0333 %	99.7168 %	99.2777 %
Concentration per Run 2	0.0000 ppm	104.5025 %	101.6527 %	101.4846 %	102.0399 %	99.3716 %	99.3449 %
Concentration per Run 3	-0.0002 ppm	106.5136 %	101.1680 %	101.3143 %	103.7106 %	99.5382 %	99.3758 %
Recovery Percentage 1	-2.371 %						
Concentration RSD	54.3 %	3.2 %	0.2 %	0.1 %	3.4 %	0.2 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111041-1 WG2111041
Analysis started at: 9/8/2025 9:23:18 AM
Comments: <Comment>
Rack: 1
Vial: 7

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0003 ppm	0.0010 ppm	-0.0003 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0119 ppm
Concentration per Run 1	-0.0004 ppm	-0.0004 ppm	-0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0141 ppm
Concentration per Run 2	-0.0003 ppm	0.0047 ppm	-0.0016 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0124 ppm
Concentration per Run 3	-0.0003 ppm	0.0025 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0092 ppm
Recovery Percentage 1	-4.790 %	0.965 %	-5.832 %	1.957 %	-0.458 %	-0.846 %	11.894 %
Concentration RSD	6.7 %	488.4 %	399.5 %	46.0 %	163.6 %	11.5 %	20.9 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0004 ppm	0.0027 ppm	0.0027 ppm	2.1284 ppm	0.0100 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0027 ppm	0.0027 ppm	2.2370 ppm	0.0115 ppm	0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0004 ppm	0.0029 ppm	0.0029 ppm	2.1003 ppm	0.0092 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	0.0046 ppm	0.0027 ppm	2.0478 ppm	0.0093 ppm	0.0002 ppm
Recovery Percentage 1	0.443 %	2.078 %	3.349 835 %	27.462 %	4.256 733 %	0.399 %	6.751 %
Concentration RSD	36.0 %	10.6 %	0.2 %	3.8 %	4.6 %	12.9 %	125.1 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0014 ppm	0.0325 ppm	0.0007 ppm	0.0022 ppm	0.0108 ppm	0.0003 ppm	-0.0005 ppm
Concentration per Run 1	0.0008 ppm	0.0338 ppm	0.0007 ppm	-0.0048 ppm	0.0109 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run 2	0.0041 ppm	0.0323 ppm	0.0007 ppm	0.0013 ppm	0.0108 ppm	0.0008 ppm	-0.0011 ppm
Concentration per Run 3	-0.0008 ppm	0.0314 ppm	0.0008 ppm	0.0102 ppm	0.0108 ppm	0.0003 ppm	-0.0001 ppm
Recovery Percentage 1	1.371 %	325.264 %	1.499 %	0.111 %	43.238 %	3.134 %	-0.932 %
Concentration RSD	179.6 %	3.8 %	6.1 %	341.5 %	0.6 %	148.3 %	119.7 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0005 ppm	0.0136 ppm	-0.0009 ppm	0.0000 ppm	-0.0006 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 1	0.0008 ppm	0.0137 ppm	-0.0008 ppm	0.0000 ppm	-0.0007 ppm	0.0002 ppm	0.0007 ppm
Concentration per Run 2	0.0011 ppm	0.0140 ppm	-0.0009 ppm	0.0000 ppm	-0.0007 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 3	-0.0004 ppm	0.0132 ppm	-0.0010 ppm	0.0001 ppm	-0.0004 ppm	-0.0006 ppm	0.0006 ppm
Recovery Percentage 1	4.807 %	2.726 %	-1.749 %	0.356 %	-5.874 %	0.490 %	5.734 %
Concentration RSD	168.6 %	3.1 %	11.9 %	81.7 %	27.6 %	635.5 %	27.5 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0003 ppm	107.7892 %	104.0339 %	103.9149 %	104.5925 %	103.2190 %	101.6505 %
Concentration per Run 1	0.0004 ppm	103.3465 %	104.0757 %	103.9424 %	99.8792 %	103.2929 %	101.4823 %
Concentration per Run 2	0.0003 ppm	109.2422 %	103.8881 %	103.7626 %	105.5991 %	103.2374 %	101.5532 %
Concentration per Run 3	0.0003 ppm	110.7790 %	104.1378 %	104.0397 %	108.2991 %	103.1267 %	101.9161 %
Recovery Percentage 1	6.375 %						
Concentration RSD	21.7 %	3.6 %	0.1 %	0.1 %	4.1 %	0.1 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111041-2 WG2111041

Analysis started at: 9/8/2025 9:29:38 AM

Comments: <Comment>

Rack: 1

Vial: 8

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0454 ppm	2.1035 ppm	0.1235 ppm	0.9923 ppm	2.0292 ppm	0.0517 ppm	10.2771 ppm
Concentration per Run 1	0.0452 ppm	2.2495 ppm	0.1225 ppm	0.9909 ppm	2.1923 ppm	0.0554 ppm	11.0002 ppm
Concentration per Run 2	0.0459 ppm	2.0610 ppm	0.1238 ppm	0.9929 ppm	1.9536 ppm	0.0505 ppm	10.0567 ppm
Concentration per Run 3	0.0451 ppm	2.0001 ppm	0.1243 ppm	0.9930 ppm	1.9415 ppm	0.0492 ppm	9.7742 ppm
Concentration RSD	0.9 %	6.2 %	0.8 %	0.1 %	7.0 %	6.4 %	6.2 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0535 ppm	0.4984 ppm	0.2076 ppm	0.2602 ppm	1.0307 ppm	10.1829 ppm	-0.0002 ppm
Concentration per Run 1	0.0534 ppm	0.4977 ppm	0.2078 ppm	0.2597 ppm	1.1039 ppm	10.8194 ppm	-0.0006 ppm
Concentration per Run 2	0.0537 ppm	0.4990 ppm	0.2072 ppm	0.2608 ppm	1.0071 ppm	9.9776 ppm	0.0001 ppm
Concentration per Run 3	0.0534 ppm	0.4984 ppm	0.2079 ppm	0.2600 ppm	0.9812 ppm	9.7517 ppm	-0.0002 ppm
Concentration RSD	0.3 %	0.1 %	0.2 %	0.2 %	6.3 %	5.5 %	137.4 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.6227 ppm	0.5173 ppm	1.0198 ppm	10.6426 ppm	0.5183 ppm	0.5581 ppm	0.4607 ppm
Concentration per Run 1	10.6359 ppm	0.5532 ppm	1.0179 ppm	11.3922 ppm	0.5171 ppm	0.5583 ppm	0.4520 ppm
Concentration per Run 2	10.6204 ppm	0.5084 ppm	1.0199 ppm	10.4009 ppm	0.5192 ppm	0.5582 ppm	0.4823 ppm
Concentration per Run 3	10.6119 ppm	0.4923 ppm	1.0215 ppm	10.1345 ppm	0.5187 ppm	0.5578 ppm	0.4679 ppm
Concentration RSD	0.1 %	6.2 %	0.2 %	6.2 %	0.2 %	0.1 %	1.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1235 ppm	0.9120 ppm	1.0127 ppm	0.9951 ppm	1.0508 ppm	0.5317 ppm	0.5317 ppm
Concentration per Run 1	0.1239 ppm	0.9111 ppm	1.0127 ppm	1.0621 ppm	1.0489 ppm	0.1234 ppm	0.5312 ppm
Concentration per Run 2	0.1242 ppm	0.9128 ppm	1.0147 ppm	0.9746 ppm	1.0517 ppm	0.1236 ppm	0.5316 ppm
Concentration per Run 3	0.1225 ppm	0.9120 ppm	1.0164 ppm	0.9485 ppm	1.0518 ppm	0.1247 ppm	0.5322 ppm
Concentration RSD	0.7 %	0.1 %	0.2 %	6.0 %	0.2 %	0.6 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5080 ppm	103.2842 %	100.2289 %	100.4683 %	101.8193 %	97.4598 %	99.4039 %
Concentration per Run 1	0.5078 ppm	97.3529 %	100.2163 %	100.4512 %	95.3121 %	97.6043 %	99.4150 %
Concentration per Run 2	0.5081 ppm	105.0455 %	100.5120 %	100.4703 %	103.6185 %	97.3201 %	99.5307 %
Concentration per Run 3	0.5082 ppm	107.4541 %	99.9582 %	100.4836 %	106.5273 %	97.4552 %	99.2660 %
Concentration RSD	0.0 %	5.1 %	0.3 %	0.0 %	5.7 %	0.1 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2555570-01 WG2111041

Analysis started at: 9/8/2025 9:35:50 AM

Comments: <Comment>

Rack: 1

Vial: 14

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0002 ppm	0.0678 ppm	0.0015 ppm	0.0283 ppm	0.0221 ppm	0.0000 ppm	34.3393 ppm
Concentration per Run 1	-0.0004 ppm	0.0736 ppm	0.0009 ppm	0.0286 ppm	0.0241 ppm	0.0000 ppm	37.3684 ppm
Concentration per Run 2	0.0000 ppm	0.0627 ppm	0.0021 ppm	0.0280 ppm	0.0214 ppm	-0.0001 ppm	33.1880 ppm
Concentration per Run 3	-0.0003 ppm	0.0672 ppm	0.0016 ppm	0.0285 ppm	0.0208 ppm	0.0000 ppm	32.4616 ppm
Concentration RSD	102.8 %	8.1 %	38.1 %	1.2 %	8.1 %	51.6 %	7.7 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0005 ppm	0.0044 ppm	0.0823 ppm	1.4982 ppm	0.0025 ppm
Concentration per Run 1	-0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0046 ppm	0.0906 ppm	1.6312 ppm	0.0029 ppm
Concentration per Run 2	-0.0003 ppm	0.0002 ppm	0.0005 ppm	0.0042 ppm	0.0803 ppm	1.4383 ppm	0.0026 ppm
Concentration per Run 3	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0045 ppm	0.0761 ppm	1.4251 ppm	0.0019 ppm
Concentration RSD	14.9 %	152.1 %	19.3 %	4.8 %	9.0 %	7.7 %	22.3 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	9.5921 ppm	0.0048 ppm	0.0034 ppm	10.9969 ppm	0.0008 ppm	0.0002 ppm	0.0063 ppm
Concentration per Run 1	9.6026 ppm	0.0054 ppm	0.0039 ppm	11.9908 ppm	0.0009 ppm	-0.0002 ppm	0.0058 ppm
Concentration per Run 2	9.5813 ppm	0.0044 ppm	0.0034 ppm	10.6223 ppm	0.0008 ppm	0.0003 ppm	0.0069 ppm
Concentration per Run 3	9.5924 ppm	0.0048 ppm	0.0030 ppm	10.3776 ppm	0.0007 ppm	0.0005 ppm	0.0062 ppm
Concentration RSD	0.1 %	10.8 %	12.7 %	7.9 %	16.8 %	220.6 %	8.7 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0012 ppm	0.2255 ppm	0.0017 ppm	0.1576 ppm	0.0007 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 1	-0.0025 ppm	0.2268 ppm	0.0019 ppm	0.1712 ppm	0.0006 ppm	-0.0012 ppm	0.0006 ppm
Concentration per Run 2	-0.0012 ppm	0.2269 ppm	0.0021 ppm	0.1520 ppm	0.0006 ppm	0.0012 ppm	0.0003 ppm
Concentration per Run 3	0.0003 ppm	0.2227 ppm	0.0013 ppm	0.1495 ppm	0.0009 ppm	0.0005 ppm	0.0004 ppm
Concentration RSD	119.1 %	1.1 %	24.0 %	7.6 %	22.3 %	801.9 %	31.6 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0010 ppm	103.3884 %	99.5426 %	99.6003 %	101.4509 %	96.8525 %	98.7512 %
Concentration per Run 1	0.0010 ppm	95.9791 %	99.1999 %	99.4878 %	93.8370 %	96.9082 %	98.5288 %
Concentration per Run 2	0.0009 ppm	106.1990 %	99.3426 %	99.7839 %	104.1296 %	96.6940 %	98.6966 %
Concentration per Run 3	0.0010 ppm	107.9870 %	100.0853 %	99.5293 %	106.3861 %	96.9554 %	99.0283 %
Concentration RSD	5.5 %	6.3 %	0.5 %	0.2 %	6.6 %	0.1 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2555570-02 WG2111041

Analysis started at: 9/8/2025 9:42:06 AM

Comments: <Comment>

Rack: 1

Vial: 15

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0003 ppm	0.1092 ppm	0.0031 ppm	0.3241 ppm	0.0807 ppm	0.0000 ppm	56.1146 ppm
Concentration per Run 1	-0.0005 ppm	0.1180 ppm	0.0040 ppm	0.3246 ppm	0.0857 ppm	0.0000 ppm	59.3685 ppm
Concentration per Run 2	-0.0005 ppm	0.1084 ppm	0.0029 ppm	0.3237 ppm	0.0807 ppm	0.0000 ppm	56.1866 ppm
Concentration per Run 3	0.0000 ppm	0.1012 ppm	0.0025 ppm	0.3241 ppm	0.0756 ppm	0.0000 ppm	52.7888 ppm
Concentration RSD	99.5 %	7.7 %	25.2 %	0.1 %	6.2 %	73.9 %	5.9 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	-0.0003 ppm	0.0002 ppm	0.0032 ppm	0.0240 ppm	0.1564 ppm	4.1517 ppm	0.0180 ppm
Concentration per Run 1	-0.0003 ppm	0.0001 ppm	0.0031 ppm	0.0242 ppm	0.1654 ppm	4.3004 ppm	0.0184 ppm
Concentration per Run 2	-0.0003 ppm	0.0001 ppm	0.0032 ppm	0.0240 ppm	0.1575 ppm	4.1402 ppm	0.0184 ppm
Concentration per Run 3	-0.0003 ppm	0.0003 ppm	0.0033 ppm	0.0238 ppm	0.1462 ppm	4.0147 ppm	0.0171 ppm
Concentration RSD	6.4 %	68.1 %	3.1 %	0.9 %	6.2 %	3.4 %	4.1 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.2115 ppm	0.0220 ppm	0.0077 ppm	822.8707 [SIC 500]	0.0012 ppm	0.0009 ppm	0.0050 ppm
Concentration per Run 1	10.2413 ppm	0.0229 ppm	0.0075 ppm	879.2483 ppm	0.0009 ppm	0.0010 ppm	0.0050 ppm
Concentration per Run 2	10.1764 ppm	0.0220 ppm	0.0079 ppm	818.7045 ppm	0.0013 ppm	0.0016 ppm	0.0058 ppm
Concentration per Run 3	10.2168 ppm	0.0209 ppm	0.0075 ppm	770.6591 ppm	0.0013 ppm	0.0001 ppm	0.0041 ppm
Concentration RSD	0.3 %	4.6 %	3.0 %	6.6 %	21.6 %	82.8 %	17.0 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0011 ppm	7.4195 ppm	0.0002 ppm	0.3363 ppm	0.0012 ppm	-0.0010 ppm	0.0075 ppm
Concentration per Run 1	0.0021 ppm	7.4239 ppm	0.0000 ppm	0.3563 ppm	0.0010 ppm	0.0000 ppm	0.0077 ppm
Concentration per Run 2	-0.0001 ppm	7.4079 ppm	0.0005 ppm	0.3361 ppm	0.0011 ppm	0.0000 ppm	0.0075 ppm
Concentration per Run 3	0.0012 ppm	7.4267 ppm	-0.0001 ppm	0.3164 ppm	0.0016 ppm	-0.0029 ppm	0.0075 ppm
Concentration RSD	104.2 %	0.1 %	203.6 %	5.9 %	24.1 %	177.9 %	1.6 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0451 ppm	96.6929 ppm	88.2582 %	90.7742 %	95.4490 %	80.2123 %	87.8719 %
Concentration per Run 1	0.0452 ppm	92.2947 %	88.1826 %	90.7254 %	90.7022 %	80.1171 %	87.7038 %
Concentration per Run 2	0.0452 ppm	96.3814 %	88.3926 %	90.8720 %	95.1075 %	80.3604 %	88.0743 %
Concentration per Run 3	0.0451 ppm	101.4027 %	88.1995 %	90.7253 %	100.5373 %	80.1594 %	87.8374 %
Concentration RSD	0.1 %	4.7 %	0.1 %	0.1 %	5.2 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: LDR 200 Fe
 Analysis started at: 9/8/2025 9:48:29 AM
 Comments: <Comment>
 Rack: 1
 Vial: 16

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0013 ppm	0.0000 ppm	0.0010 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 1	-0.0011 ppm	-0.0005 ppm	0.0024 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 2	-0.0011 ppm	0.0030 ppm	0.0026 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 3	-0.0016 ppm	-0.0024 ppm	-0.0022 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0011 ppm
Concentration RSD	22.6 %	18.942.4 %	283.6 %	45.7 %	65.4 %	55.3 %	41.6 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0013 ppm	-0.0001 ppm	0.0006 ppm	-0.0002 ppm	184.6272 ppm	0.1271 ppm	0.0011 ppm
Concentration per Run 1	0.0012 ppm	0.0000 ppm	0.0005 ppm	-0.0001 ppm	196.1527 ppm	0.1517 ppm	0.0010 ppm
Concentration per Run 2	0.0014 ppm	-0.0002 ppm	0.0008 ppm	-0.0002 ppm	180.4683 ppm	0.1279 ppm	0.0014 ppm
Concentration per Run 3	0.0014 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	177.2607 ppm	0.1018 ppm	0.0008 ppm
Concentration RSD	7.6 %	142.1 %	39.0 %	45.1 %	5.5 %	19.6 %	29.9 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	-0.0131 ppm	-0.0001 ppm	-0.0014 ppm	0.2479 ppm	-0.0078 ppm	-0.0005 ppm	-0.0025 ppm
Concentration per Run 1	-0.0125 ppm	0.0000 ppm	-0.0014 ppm	0.2903 ppm	-0.0075 ppm	-0.0009 ppm	-0.0012 ppm
Concentration per Run 2	-0.0134 ppm	-0.0001 ppm	-0.0013 ppm	0.2360 ppm	-0.0077 ppm	-0.0007 ppm	-0.0032 ppm
Concentration per Run 3	-0.0135 ppm	-0.0002 ppm	-0.0016 ppm	0.2175 ppm	-0.0081 ppm	0.0001 ppm	-0.0030 ppm
Concentration RSD	4.4 %	84.0 %	10.4 %	15.3 %	3.9 %	109.1 %	45.5 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0040 ppm	-0.0050 ppm	0.0012 ppm	0.0001 ppm	-0.0005 ppm	0.0042 ppm	-0.0011 ppm
Concentration per Run 1	0.0033 ppm	-0.0046 ppm	0.0013 ppm	0.0001 ppm	-0.0004 ppm	0.0044 ppm	-0.0010 ppm
Concentration per Run 2	0.0045 ppm	-0.0049 ppm	0.0012 ppm	0.0001 ppm	-0.0006 ppm	0.0053 ppm	-0.0012 ppm
Concentration per Run 3	0.0042 ppm	-0.0055 ppm	0.0010 ppm	0.0001 ppm	-0.0004 ppm	0.0029 ppm	-0.0011 ppm
Concentration RSD	15.5 %	9.2 %	16.1 %	20.7 %	32.8 %	29.4 %	8.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0026 ppm	103.9088 %	99.5103 %	99.3744 %	103.6351 %	95.6841 %	99.2355 %
Concentration per Run 1	-0.0028 ppm	98.3507 %	99.7252 %	99.1416 %	98.0481 %	95.5652 %	99.2142 %
Concentration per Run 2	-0.0025 ppm	106.3068 %	99.4618 %	99.4638 %	106.0776 %	95.6703 %	99.2433 %
Concentration per Run 3	-0.0026 ppm	107.0688 %	99.3438 %	99.5179 %	106.7795 %	95.8169 %	99.2489 %
Concentration RSD	4.8 %	4.6 %	0.2 %	0.2 %	4.7 %	0.1 %	0.0 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2555135-01.WG2111041

Analysis started at: 9/8/2025 9:54:56 AM

Comments: <Comment>

Rack: 1

Vial: 9

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.1398 ppm	0.0133 ppm	-0.0001 ppm	0.2163 ppm	0.0286 ppm	0.0000 ppm	1.2654 ppm
Concentration per Run 1	0.1400 ppm	0.0140 ppm	0.0012 ppm	0.2155 ppm	0.0302 ppm	0.0000 ppm	1.3333 ppm
Concentration per Run 2	0.1403 ppm	0.0146 ppm	0.0001 ppm	0.2158 ppm	0.0280 ppm	0.0000 ppm	1.2409 ppm
Concentration per Run 3	0.1391 ppm	0.0113 ppm	-0.0015 ppm	0.2176 ppm	0.0277 ppm	0.0000 ppm	1.2220 ppm
Concentration RSD	0.5 %	13.2 %	2.353.9 %	0.5 %	4.8 %	103.7 %	4.7 %
	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0005 ppm	0.0011 ppm	0.0047 ppm	0.0497 ppm	2.7720 ppm	0.0117 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	0.0011 ppm	0.0048 ppm	0.0593 ppm	2.7738 ppm	0.0117 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	0.0011 ppm	0.0045 ppm	0.0452 ppm	2.7570 ppm	0.0109 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	0.0011 ppm	0.0048 ppm	0.0446 ppm	2.7853 ppm	0.0126 ppm
Concentration RSD	179.3 %	10.9 %	2.4 %	3.7 %	16.7 %	0.5 %	7.0 %
	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.3572 ppm	0.1204 ppm	-0.0002 ppm	982.7785 [SIC 500]	0.0312 ppm	0.0002 ppm	-0.0012 ppm
Concentration per Run 1	0.3572 ppm	0.1273 ppm	-0.0003 ppm	1.050.9933 ppm	0.0311 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.3575 ppm	0.1177 ppm	0.0000 ppm	985.9668 ppm	0.0310 ppm	0.0008 ppm	-0.0023 ppm
Concentration per Run 3	0.3568 ppm	0.1161 ppm	-0.0004 ppm	931.3696 ppm	0.0314 ppm	-0.0004 ppm	-0.0013 ppm
Concentration RSD	0.1 %	5.1 %	96.7 %	6.3 %	0.6 %	306.5 %	90.8 %
	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0457 ppm	0.6315 ppm	0.1567 ppm	0.0161 ppm	-0.0004 ppm	-0.0028 ppm	0.0006 ppm
Concentration per Run 1	0.0436 ppm	0.6289 ppm	0.1588 ppm	0.0170 ppm	-0.0004 ppm	-0.0015 ppm	0.0004 ppm
Concentration per Run 2	0.0442 ppm	0.6310 ppm	0.1565 ppm	0.0158 ppm	-0.0003 ppm	-0.0044 ppm	0.0006 ppm
Concentration per Run 3	0.0492 ppm	0.6344 ppm	0.1549 ppm	0.0156 ppm	-0.0005 ppm	-0.0026 ppm	0.0007 ppm
Concentration RSD	6.7 %	0.4 %	1.2 %	4.6 %	16.8 %	51.8 %	21.0 %
	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0026 ppm	99.6978 %	86.2102 %	89.1790 %	98.6424 %	78.0044 %	85.6865 %
Concentration per Run 1	0.0026 ppm	95.2290 %	86.1883 %	89.3187 %	93.9158 %	77.9808 %	85.5705 %
Concentration per Run 2	0.0026 ppm	100.8342 %	85.8750 %	89.0565 %	100.0264 %	78.1431 %	85.4435 %
Concentration per Run 3	0.0025 ppm	103.0303 %	86.5674 %	89.1617 %	101.9850 %	77.8893 %	86.0454 %
Concentration RSD	2.2 %	4.0 %	0.4 %	0.1 %	4.3 %	0.2 %	0.4 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111041-3 WG2111041

Analysis started at: 9/8/2025 10:01:22 AM

Comments: <Comment>

Rack: 1

Vial: 10

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.1870 ppm	2.0696 ppm	0.1433 ppm	1.2857 ppm	2.0026 ppm	0.0502 ppm	11.1115 ppm
Concentration per Run 1	0.1871 ppm	2.1989 ppm	0.1423 ppm	1.2819 ppm	2.1285 ppm	0.0534 ppm	11.8004 ppm
Concentration per Run 2	0.1875 ppm	2.0262 ppm	0.1430 ppm	1.2878 ppm	1.9794 ppm	0.0490 ppm	10.8812 ppm
Concentration per Run 3	0.1863 ppm	1.9838 ppm	0.1445 ppm	1.2874 ppm	1.8999 ppm	0.0482 ppm	10.6528 ppm
Concentration RSD	0.3 %	5.5 %	0.8 %	0.3 %	5.8 %	5.5 %	5.5 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0590 ppm	0.5223 ppm	0.2065 ppm	0.2686 ppm	1.0076 ppm	14.6321 ppm	0.0106 ppm
Concentration per Run 1	0.0589 ppm	0.5222 ppm	0.2068 ppm	0.2682 ppm	1.0712 ppm	15.4509 ppm	0.0109 ppm
Concentration per Run 2	0.0591 ppm	0.5225 ppm	0.2065 ppm	0.2683 ppm	0.9859 ppm	14.3324 ppm	0.0105 ppm
Concentration per Run 3	0.0590 ppm	0.5223 ppm	0.2062 ppm	0.2694 ppm	0.9657 ppm	14.1130 ppm	0.0103 ppm
Concentration RSD	0.1 %	0.0 %	0.1 %	0.3 %	5.6 %	4.9 %	3.0 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.0332 ppm	0.6127 ppm	1.0724 ppm	926.0977 [SIC 500]	0.5689 ppm	0.5645 ppm	0.4817 ppm
Concentration per Run 1	10.0875 ppm	0.6523 ppm	1.0688 ppm	1.003.3038 ppm	0.5685 ppm	0.5647 ppm	0.4785 ppm
Concentration per Run 2	10.0519 ppm	0.5988 ppm	1.0743 ppm	900.6176 ppm	0.5704 ppm	0.5657 ppm	0.4807 ppm
Concentration per Run 3	9.9601 ppm	0.5870 ppm	1.0742 ppm	874.3718 ppm	0.5676 ppm	0.5631 ppm	0.4858 ppm
Concentration RSD	0.7 %	5.7 %	0.3 %	7.4 %	0.3 %	0.2 %	0.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1884 ppm	1.6509 ppm	1.0797 [SIC 20]	0.9917 ppm	1.0611 ppm	0.1091 ppm	0.5385 ppm
Concentration per Run 1	0.1890 ppm	1.6439 ppm	1.0798 ppm	1.0548 ppm	1.0642 ppm	0.1106 ppm	0.5395 ppm
Concentration per Run 2	0.1895 ppm	1.6540 ppm	1.0779 ppm	0.9691 ppm	1.0604 ppm	0.1088 ppm	0.5381 ppm
Concentration per Run 3	0.1867 ppm	1.6546 ppm	1.0816 ppm	0.9512 ppm	1.0586 ppm	0.1080 ppm	0.5379 ppm
Concentration RSD	0.8 %	0.4 %	0.2 %	5.6 %	0.3 %	1.2 %	0.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5689 ppm	101.7673 %	87.4123 %	89.5538 %	78.8473 %	86.5907 %
Concentration per Run 1	0.5702 ppm	96.9288 %	87.4172 %	89.7415 %	78.9668 %	86.4406 %
Concentration per Run 2	0.5690 ppm	103.1634 %	87.1862 %	89.5196 %	78.6640 %	86.5136 %
Concentration per Run 3	0.5676 ppm	105.2096 %	87.6334 %	89.4153 %	78.9110 %	86.8180 %
Concentration RSD	0.2 %	4.2 %	0.3 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111041-4 WG2111041

Analysis started at: 9/8/2025 10:07:43 AM

Comments: <Comment>

Rack: 1

Vial: 11

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.1393 ppm	0.0135 ppm	0.0000 ppm	0.2194 ppm	0.0276 ppm	0.0000 ppm	1.1531 ppm
Concentration per Run 1	0.1391 ppm	0.0117 ppm	0.0007 ppm	0.2199 ppm	0.0276 ppm	0.0000 ppm	1.1620 ppm
Concentration per Run 2	0.1392 ppm	0.0054 ppm	-0.0017 ppm	0.2192 ppm	0.0277 ppm	0.0000 ppm	1.1565 ppm
Concentration per Run 3	0.1396 ppm	0.0235 ppm	0.0010 ppm	0.2192 ppm	0.0275 ppm	0.0000 ppm	1.1406 ppm
Concentration RSD	0.2 %	67.9 %	7.729.8 %	0.2 %	0.3 %	848.4 %	1.0 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0006 ppm	0.0019 ppm	0.0037 ppm	0.0456 ppm	2.8471 ppm	0.0098 ppm
Concentration per Run 1	0.0000 ppm	0.0008 ppm	0.0016 ppm	0.0036 ppm	0.0462 ppm	2.7380 ppm	0.0097 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	0.0022 ppm	0.0037 ppm	0.0464 ppm	2.8938 ppm	0.0094 ppm
Concentration per Run 3	0.0001 ppm	0.0005 ppm	0.0019 ppm	0.0037 ppm	0.0440 ppm	2.9094 ppm	0.0102 ppm
Concentration RSD	278.1 %	28.5 %	15.1 %	1.8 %	2.9 %	3.3 %	4.2 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.3436 ppm	0.1128 ppm	0.0032 ppm	850.5638 [SIC 500]	0.0311 ppm	-0.0001 ppm	0.0029 ppm
Concentration per Run 1	0.3435 ppm	0.1125 ppm	0.0039 ppm	869.8619 ppm	0.0311 ppm	-0.0004 ppm	0.0026 ppm
Concentration per Run 2	0.3449 ppm	0.1136 ppm	0.0030 ppm	848.8146 ppm	0.0313 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run 3	0.3422 ppm	0.1123 ppm	0.0028 ppm	833.0149 ppm	0.0308 ppm	0.0001 ppm	0.0022 ppm
Concentration RSD	0.4 %	0.6 %	17.2 %	2.2 %	0.8 %	430.4 %	30.6 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0458 ppm	0.6411 ppm	0.1817 ppm	0.0155 ppm	0.0000 ppm	-0.0039 ppm	0.0004 ppm
Concentration per Run 1	0.0489 ppm	0.6400 ppm	0.1836 ppm	0.0155 ppm	0.0001 ppm	-0.0036 ppm	0.0005 ppm
Concentration per Run 2	0.0434 ppm	0.6421 ppm	0.1819 ppm	0.0156 ppm	0.0001 ppm	-0.0039 ppm	0.0003 ppm
Concentration per Run 3	0.0451 ppm	0.6411 ppm	0.1796 ppm	0.0155 ppm	-0.0002 ppm	-0.0044 ppm	0.0004 ppm
Concentration RSD	6.1 %	0.2 %	1.1 %	0.2 %	1,002.7 %	10.9 %	25.0 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0043 ppm	109.0879 %	88.5331 %	89.1462 %	108.3708 %	77.4311 %	87.8033 %
Concentration per Run 1	0.0043 ppm	109.9699 %	88.2203 %	89.0537 %	108.1104 %	77.4997 %	87.5322 %
Concentration per Run 2	0.0043 ppm	107.9471 %	88.6858 %	89.0450 %	107.9048 %	77.3532 %	87.9728 %
Concentration per Run 3	0.0043 ppm	109.3465 %	88.6931 %	89.3400 %	109.0972 %	77.4406 %	87.9048 %
Concentration RSD	0.5 %	0.9 %	0.3 %	0.2 %	0.6 %	0.1 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111041-5 WG2111041

Analysis started at: 9/8/2025 10:14:11 AM

Comments: <Comment>

Rack: 1

Vial: 12

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.1876 ppm	2.0418 ppm	0.1486 ppm	1.2668 ppm	1.9918 ppm	0.0488 ppm	10.9694 ppm
Concentration per Run 1	0.1876 ppm	2.1298 ppm	0.1491 ppm	1.2676 ppm	2.0739 ppm	0.0511 ppm	11.4964 ppm
Concentration per Run 2	0.1879 ppm	2.0090 ppm	0.1484 ppm	1.2667 ppm	1.9565 ppm	0.0479 ppm	10.7430 ppm
Concentration per Run 3	0.1874 ppm	1.9867 ppm	0.1484 ppm	1.2662 ppm	1.9452 ppm	0.0475 ppm	10.6688 ppm
Concentration RSD	0.1 %	3.8 %	0.3 %	0.1 %	3.6 %	4.0 %	4.2 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0586 ppm	0.5200 ppm	0.2031 ppm	0.2678 ppm	0.9845 ppm	14.3199 ppm	0.0096 ppm
Concentration per Run 1	0.0585 ppm	0.5187 ppm	0.2026 ppm	0.2688 ppm	1.0325 ppm	14.8567 ppm	0.0089 ppm
Concentration per Run 2	0.0585 ppm	0.5191 ppm	0.2036 ppm	0.2684 ppm	0.9670 ppm	14.1013 ppm	0.0099 ppm
Concentration per Run 3	0.0588 ppm	0.5222 ppm	0.2030 ppm	0.2662 ppm	0.9539 ppm	14.0018 ppm	0.0100 ppm
Concentration RSD	0.3 %	0.4 %	0.3 %	0.5 %	4.3 %	3.3 %	5.9 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	9.8148 ppm	0.5891 ppm	1.0951 ppm	863.8482 [SIC 500]	0.5643 ppm	0.5587 ppm	0.4739 ppm
Concentration per Run 1	9.7427 ppm	0.6162 ppm	1.0932 ppm	915.3607 ppm	0.5639 ppm	0.5582 ppm	0.4650 ppm
Concentration per Run 2	9.8513 ppm	0.5788 ppm	1.0929 ppm	844.8516 ppm	0.5622 ppm	0.5577 ppm	0.4755 ppm
Concentration per Run 3	9.8503 ppm	0.5723 ppm	1.0992 ppm	831.3322 ppm	0.5667 ppm	0.5603 ppm	0.4813 ppm
Concentration RSD	0.6 %	4.0 %	0.3 %	5.2 %	0.4 %	0.2 %	1.7 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1834 ppm	1.8171 ppm	1.2275 [SIC 20]	0.9881 ppm	1.0532 ppm	0.1085 ppm	0.5322 ppm
Concentration per Run 1	0.1846 ppm	1.8192 ppm	1.2290 ppm	1.0312 ppm	1.0512 ppm	0.1079 ppm	0.5307 ppm
Concentration per Run 2	0.1823 ppm	1.8171 ppm	1.2263 ppm	0.9736 ppm	1.0548 ppm	0.1082 ppm	0.5330 ppm
Concentration per Run 3	0.1832 ppm	1.8150 ppm	1.2273 ppm	0.9594 ppm	1.0536 ppm	0.1094 ppm	0.5330 ppm
Concentration RSD	0.6 %	0.1 %	0.1 %	3.8 %	0.2 %	0.8 %	0.3 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5647 ppm	106.6036 %	89.0529 %	90.5658 %	105.9798 %	79.7910 %	88.3154 %
Concentration per Run 1	0.5643 ppm	102.9276 %	89.3896 %	90.3170 %	101.9442 %	79.7620 %	88.6380 %
Concentration per Run 2	0.5635 ppm	108.7629 %	88.8226 %	90.6632 %	108.2922 %	79.8830 %	88.0060 %
Concentration per Run 3	0.5664 ppm	108.1202 %	88.9466 %	90.7170 %	107.7032 %	79.7279 %	88.3021 %
Concentration RSD	0.3 %	3.0 %	0.3 %	0.2 %	3.3 %	0.1 %	0.4 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: WG2111041-6d5 WG2111041

Analysis started at: 9/8/2025 10:20:32 AM

Comments: <Comment>

Rack: 1

Vial: 13

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0264 ppm	-0.0030 ppm	0.0000 ppm	0.0464 ppm	0.0060 ppm	0.0000 ppm	0.2626 ppm
Concentration per Run 1	0.0265 ppm	-0.0095 ppm	0.0000 ppm	0.0466 ppm	0.0065 ppm	-0.0001 ppm	0.2813 ppm
Concentration per Run 2	0.0264 ppm	0.0024 ppm	0.0007 ppm	0.0459 ppm	0.0058 ppm	0.0000 ppm	0.2530 ppm
Concentration per Run 3	0.0262 ppm	-0.0019 ppm	-0.0007 ppm	0.0468 ppm	0.0058 ppm	0.0000 ppm	0.2535 ppm
Concentration RSD	0.4 %	199.5 %	2.080.6 %	1.0 %	7.2 %	185.2 %	6.2 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0011 ppm	0.0037 ppm	0.7545 ppm	0.0047 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0012 ppm	0.0050 ppm	0.8207 ppm	0.0046 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0012 ppm	0.0028 ppm	0.7428 ppm	0.0051 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0009 ppm	0.0034 ppm	0.6999 ppm	0.0045 ppm
Concentration RSD	90.3 %	51.8 %	33.5 %	18.5 %	30.8 %	8.1 %	6.5 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.0757 ppm	0.0246 ppm	0.0039 ppm	232.9064 ppm	0.0061 ppm	0.0007 ppm	0.0155 ppm
Concentration per Run 1	0.0742 ppm	0.0262 ppm	0.0048 ppm	251.0159 ppm	0.0063 ppm	0.0006 ppm	0.0175 ppm
Concentration per Run 2	0.0755 ppm	0.0238 ppm	0.0036 ppm	225.0788 ppm	0.0060 ppm	0.0010 ppm	0.0147 ppm
Concentration per Run 3	0.0773 ppm	0.0237 ppm	0.0035 ppm	222.6245 ppm	0.0061 ppm	0.0005 ppm	0.0143 ppm
Concentration RSD	2.1 %	5.7 %	18.2 %	6.8 %	2.5 %	35.9 %	11.2 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0087 ppm	0.1218 ppm	0.0374 ppm	0.0034 ppm	-0.0002 ppm	-0.0011 ppm	0.0002 ppm
Concentration per Run 1	0.0089 ppm	0.1225 ppm	0.0387 ppm	0.0037 ppm	0.0000 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 2	0.0082 ppm	0.1211 ppm	0.0379 ppm	0.0033 ppm	-0.0003 ppm	-0.0010 ppm	0.0003 ppm
Concentration per Run 3	0.0091 ppm	0.1218 ppm	0.0355 ppm	0.0033 ppm	-0.0001 ppm	-0.0014 ppm	0.0001 ppm
Concentration RSD	5.7 %	0.6 %	4.4 %	6.7 %	112.2 %	33.8 %	51.3 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0006 ppm	104.6960 %	96.3824 %	96.7874 %	103.8254 %	88.6577 %	96.1131 %
Concentration per Run 1	0.0007 ppm	99.1824 %	96.1715 %	96.8709 %	97.9218 %	88.8388 %	95.9004 %
Concentration per Run 2	0.0004 ppm	106.6331 %	96.7409 %	96.6842 %	106.0442 %	88.4677 %	96.3614 %
Concentration per Run 3	0.0007 ppm	108.2727 %	96.2348 %	96.8072 %	107.5103 %	88.6666 %	96.0774 %
Concentration RSD	21.9 %	4.6 %	0.3 %	0.1 %	5.0 %	0.2 %	0.2 %

ICP DataTrace 5

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LabBook: WG2111813_09082025T5T5.imexp

CCV

Sample: 9/8/2025 10:27:00 AM

Analysis started at: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.4860 ppm	0.5133 ppm	0.4894 ppm	0.5024 ppm	0.5245 ppm	0.5266 ppm	0.5235 ppm
Concentration per Run 1	0.4853 ppm	0.5726 ppm	0.4899 ppm	0.5033 ppm	0.5846 ppm	0.5876 ppm	0.5903 ppm
Concentration per Run 2	0.4873 ppm	0.4856 ppm	0.4874 ppm	0.5013 ppm	0.5032 ppm	0.5049 ppm	0.4995 ppm
Concentration per Run 3	0.4854 ppm	0.4818 ppm	0.4910 ppm	0.5026 ppm	0.4856 ppm	0.4871 ppm	0.4807 ppm
Recovery Percentage 1	97.200 %	102.665 %	97.888 %	100.478 %	104.898 %	105.312 %	104.696 %
Concentration RSD	0.2 %	10.0 %	0.4 %	0.2 %	10.1 %	10.2 %	11.2 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.4978 ppm	0.5080 ppm	0.5102 ppm	0.5136 ppm	0.5061 ppm	5.4034 ppm	0.5290 ppm
Concentration per Run 1	0.4992 ppm	0.5092 ppm	0.5101 ppm	0.5143 ppm	0.5643 ppm	6.0049 ppm	0.5888 ppm
Concentration per Run 2	0.4960 ppm	0.5089 ppm	0.5102 ppm	0.5140 ppm	0.4863 ppm	5.2020 ppm	0.5084 ppm
Concentration per Run 3	0.4952 ppm	0.5089 ppm	0.5102 ppm	0.5127 ppm	0.4678 ppm	5.0035 ppm	0.4897 ppm
Recovery Percentage 1	99.560 %	101.603 %	102.032 %	102.729 %	101.225 %	108.069 %	105.791 %
Concentration RSD	0.3 %	0.4 %	0.0 %	0.2 %	10.1 %	9.8 %	10.0 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.5254 ppm	0.5222 ppm	0.5110 ppm	10.9290 ppm	0.5206 ppm	0.5214 ppm	0.5233 ppm
Concentration per Run 1	0.5254 ppm	0.5821 ppm	0.5124 ppm	12.2004 ppm	0.5225 ppm	0.5218 ppm	0.5254 ppm
Concentration per Run 2	0.5253 ppm	0.5004 ppm	0.5093 ppm	10.4778 ppm	0.5184 ppm	0.5202 ppm	0.5212 ppm
Concentration per Run 3	0.5256 ppm	0.4840 ppm	0.5113 ppm	10.1087 ppm	0.5210 ppm	0.5223 ppm	0.5234 ppm
Recovery Percentage 1	105.084 %	104.441 %	102.196 %	109.290 %	104.128 %	104.285 %	104.665 %
Concentration RSD	0.0 %	10.1 %	0.3 %	10.2 %	0.4 %	0.2 %	0.4 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.5057 ppm	5.4858 ppm	0.5177 ppm	0.5213 ppm	0.5156 ppm	0.5190 ppm	0.5199 ppm
Concentration per Run 1	0.5057 ppm	5.5088 ppm	0.5179 ppm	0.5813 ppm	0.5162 ppm	0.5206 ppm	0.5201 ppm
Concentration per Run 2	0.5054 ppm	5.4648 ppm	0.5163 ppm	0.4999 ppm	0.5156 ppm	0.5164 ppm	0.5204 ppm
Concentration per Run 3	0.5061 ppm	5.4858 ppm	0.5187 ppm	0.4827 ppm	0.5152 ppm	0.5201 ppm	0.5192 ppm
Recovery Percentage 1	101.142 %	104.491 %	103.531 %	104.256 %	103.126 %	103.808 %	103.980 %
Concentration RSD	0.1 %	0.4 %	0.2 %	10.1 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5046 ppm	101.9075 %	103.2429 %	102.4824 %	100.6507 %	98.8278 %	102.4101 %
Concentration per Run 1	0.5059 ppm	91.9233 %	103.2253 %	102.3859 %	99.6895 %	98.4990 %	102.3737 %
Concentration per Run 2	0.5028 ppm	105.3778 %	103.0648 %	102.7389 %	103.9313 %	99.1826 %	102.3734 %
Concentration per Run 3	0.5052 ppm	108.4213 %	103.4386 %	102.3225 %	107.3313 %	98.8016 %	102.4833 %
Recovery Percentage 1	100.922 %						
Concentration RSD	0.3 %	8.6 %	0.2 %	0.2 %	8.7 %	0.3 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: CCB
Analysis started at: 9/8/2025 10:33:03 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0001 ppm	-0.0006 ppm	-0.0011 ppm	0.0023 ppm	0.0001 ppm	0.0001 ppm	-0.0016 ppm
Concentration per Run 1	-0.0001 ppm	-0.0011 ppm	-0.0005 ppm	0.0024 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	0.0047 ppm	-0.0005 ppm	0.0024 ppm	0.0000 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run 3	-0.0002 ppm	-0.0055 ppm	-0.0022 ppm	0.0021 ppm	0.0000 ppm	0.0001 ppm	-0.0041 ppm
Recovery Percentage 1	-1.668 %	-0.641 %	-21.997 %	7.660 %	0.619 %	2.743 %	-1.554 %
Concentration RSD	49.1 %	796.4 %	90.1 %	9.2 %	224.0 %	29.2 %	144.6 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0032 ppm	0.0906 ppm	0.0016 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0037 ppm	0.1014 ppm	0.0016 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0034 ppm	0.0857 ppm	0.0023 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	-0.0023 ppm	0.0847 ppm	0.0010 ppm
Recovery Percentage 1	1.338 %	0.658 %	-0.512 %	-0.389 %	-6.307 %	3.625 %	16.172 %
Concentration RSD	27.2 %	32.2 %	603.4 %	143.8 %	23.3 %	10.3 %	38.2 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0012 ppm	0.2860 ppm	0.0002 ppm	0.0004 ppm	0.0016 ppm
Concentration per Run 1	0.0002 ppm	0.0000 ppm	0.0015 ppm	0.3115 ppm	0.0001 ppm	-0.0003 ppm	0.0014 ppm
Concentration per Run 2	-0.0011 ppm	0.0003 ppm	0.0011 ppm	0.2756 ppm	0.0005 ppm	0.0010 ppm	0.0018 ppm
Concentration per Run 3	0.0003 ppm	0.0002 ppm	0.0010 ppm	0.2708 ppm	0.0000 ppm	0.0006 ppm	0.0015 ppm
Recovery Percentage 1	-0.212 %	1.285 %	2.387 %	14.300 %	0.798 %	4.448 %	3.187 %
Concentration RSD	343.2 %	114.6 %	23.0 %	7.8 %	139.9 %	147.4 %	14.2 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0003 ppm	-0.0044 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 1	-0.0012 ppm	-0.0047 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	0.0004 ppm	-0.0046 ppm	0.0004 ppm	0.0001 ppm	-0.0002 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0038 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0013 ppm	0.0003 ppm
Recovery Percentage 1	-2.639 %	-0.872 %	0.318 %	1.194 %	-0.625 %	4.080 %	2.050 %
Concentration RSD	321.9 %	10.7 %	152.1 %	38.7 %	219.5 %	86.7 %	56.4 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0001 ppm	102.2698 %	104.8331 %	103.6257 %	99.7562 %	101.7342 %	102.8247 %
Concentration per Run 1	0.0000 ppm	94.4371 %	104.4728 %	103.8850 %	91.8465 %	102.0132 %	102.7276 %
Concentration per Run 2	0.0000 ppm	104.1563 %	103.5073 %	103.5977 %	101.8357 %	101.7081 %	103.0237 %
Concentration per Run 3	-0.0002 ppm	108.2159 %	105.0191 %	103.3943 %	105.5865 %	101.4813 %	102.7227 %
Recovery Percentage 1	-1.215 %						
Concentration RSD	170.3 %	6.9 %	0.3 %	0.2 %	7.1 %	0.3 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: xWG2111041-1 WG2111041

Analysis started at: 9/8/2025 10:54:52 AM

Comments: <Comment>

Rack: 1

Vial: 17

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0002 ppm	0.0038 ppm	-0.0003 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	0.0102 ppm
Concentration per Run 1	-0.0002 ppm	0.0040 ppm	-0.0003 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0116 ppm
Concentration per Run 2	-0.0004 ppm	0.0021 ppm	0.0004 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0084 ppm
Concentration per Run 3	0.0000 ppm	0.0052 ppm	-0.0009 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0105 ppm
Recovery Percentage 1	-2.701 %	3.757 %	-5.385 %	3.846 %	-0.535 %	-0.070 %	10.167 %
Concentration RSD	89.2 %	42.2 %	229.7 %	16.7 %	29.1 %	158.4 %	16.3 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0006 ppm	0.0024 ppm	0.0024 ppm	2.0988 ppm	0.0362 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	0.3318 ppm	0.0025 ppm	2.2164 ppm	0.0498 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	0.3308 ppm	0.0023 ppm	2.0582 ppm	0.0258 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0007 ppm	0.3305 ppm	0.0024 ppm	2.0218 ppm	0.0329 ppm	0.0010 ppm
Recovery Percentage 1	0.484 %	2.975 %	3,310.106 %	23.834 %	4,197.634 %	1.446 %	4.248 %
Concentration RSD	78.2 %	20.4 %	0.2 %	4.5 %	4.9 %	34.2 %	114.4 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0015 ppm	0.0321 ppm	0.0009 ppm	0.1188 ppm	0.0110 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 1	0.0020 ppm	0.0338 ppm	0.0008 ppm	0.1218 ppm	0.0109 ppm	-0.0002 ppm	-0.0012 ppm
Concentration per Run 2	-0.0001 ppm	0.0315 ppm	0.0010 ppm	0.1177 ppm	0.0110 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 3	0.0027 ppm	0.0309 ppm	0.0009 ppm	0.1168 ppm	0.0111 ppm	0.0004 ppm	-0.0005 ppm
Recovery Percentage 1	1.519 %	320.526 %	1.833 %	5.939 %	44.020 %	0.201 %	-0.905 %
Concentration RSD	96.6 %	4.9 %	11.9 %	2.3 %	0.8 %	1,646.9 %	167.7 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0004 ppm	0.0131 ppm	-0.0010 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0006 ppm
Concentration per Run 1	-0.0003 ppm	0.0130 ppm	-0.0009 ppm	0.0000 ppm	-0.0002 ppm	0.0012 ppm	0.0007 ppm
Concentration per Run 2	0.0005 ppm	0.0127 ppm	-0.0010 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 3	-0.0014 ppm	0.0134 ppm	-0.0009 ppm	0.0000 ppm	-0.0003 ppm	-0.0005 ppm	0.0006 ppm
Recovery Percentage 1	-4.045 %	2.613 %	-1.907 %	0.039 %	-2.483 %	1.100 %	6.395 %
Concentration RSD	242.7 %	2.8 %	5.4 %	886.2 %	17.9 %	403.4 %	12.3 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0002 ppm	109.4448 %	108.3323 %	106.2116 %	105.5696 %	104.2309 %	104.8760 %
Concentration per Run 1	0.0003 ppm	103.6552 ppm	108.3852 %	106.3837 %	99.6698 %	103.9691 %	105.0165 %
Concentration per Run 2	0.0002 ppm	112.0447 %	108.0095 %	106.2004 %	107.8292 %	104.2685 %	104.6129 %
Concentration per Run 3	0.0002 ppm	112.6345 %	108.6021 %	106.0507 %	109.2097 %	104.4550 %	104.9987 %
Recovery Percentage 1	4.916 %						
Concentration RSD	19.6 %	4.6 %	0.3 %	0.2 %	4.9 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111346-1 WG2111346

Analysis started at: 9/8/2025 11:10:13 AM

Comments: <Comment>

Rack: 1

Vial: 18

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0001 ppm	-0.0050 ppm	0.0001 ppm	0.0010 ppm	-0.0002 ppm	-0.0001 ppm	-0.0043 ppm
Concentration per Run 1	-0.0001 ppm	-0.0040 ppm	-0.0002 ppm	0.0012 ppm	-0.0002 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run 2	-0.0002 ppm	-0.0041 ppm	0.0001 ppm	0.0008 ppm	-0.0002 ppm	-0.0001 ppm	-0.0037 ppm
Concentration per Run 3	-0.0002 ppm	-0.0070 ppm	0.0002 ppm	0.0011 ppm	-0.0001 ppm	-0.0001 ppm	-0.0063 ppm
Concentration RSD	16.3 %	34.6 %	409.7 %	18.7 %	23.6 %	30.2 %	40.6 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0043 ppm	0.0246 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0049 ppm	0.0215 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm	-0.0036 ppm	0.0305 ppm	0.0012 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0044 ppm	0.0220 ppm	0.0007 ppm
Concentration RSD	455.7 %	108.1 %	95.9 %	7.8 %	15.7 %	20.5 %	64.7 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	-0.0005 ppm	0.0002 ppm	-0.0004 ppm	0.0898 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm
Concentration per Run 1	0.0004 ppm	0.0003 ppm	-0.0003 ppm	0.0881 ppm	-0.0002 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0878 ppm	0.0003 ppm	0.0002 ppm	-0.0010 ppm
Concentration per Run 3	-0.0021 ppm	0.0001 ppm	-0.0005 ppm	0.0934 ppm	-0.0001 ppm	-0.0001 ppm	-0.0007 ppm
Concentration RSD	260.9 %	55.9 %	36.1 %	3.5 %	1.821.6 %	941.2 %	60.4 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0001 ppm	-0.0019 ppm	-0.0015 ppm	0.0000 ppm	-0.0005 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 1	0.0004 ppm	-0.0020 ppm	-0.0012 ppm	0.0000 ppm	-0.0004 ppm	0.0017 ppm	0.0002 ppm
Concentration per Run 2	-0.0016 ppm	-0.0016 ppm	-0.0017 ppm	0.0001 ppm	-0.0004 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 3	0.0008 ppm	-0.0021 ppm	-0.0015 ppm	0.0000 ppm	-0.0006 ppm	0.0010 ppm	0.0002 ppm
Concentration RSD	1,032.8 %	13.1 %	17.3 %	131.2 %	24.4 %	39.5 %	26.6 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0003 ppm	111.5178 %	107.7189 %	105.6239 %	107.3453 %	103.6434 %	104.3724 %
Concentration per Run 1	-0.0004 ppm	109.6100 %	107.7360 %	105.6999 %	105.1261 %	103.7279 %	104.3611 %
Concentration per Run 2	-0.0003 ppm	112.6949 %	107.4918 %	105.6924 %	108.5235 %	103.4607 %	104.1764 %
Concentration per Run 3	-0.0003 ppm	112.2486 %	107.9290 %	105.4795 %	108.3864 %	103.7415 %	104.5797 %
Concentration RSD	8.7 %	1.5 %	0.2 %	0.1 %	1.8 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111346-2 WG2111346

Analysis started at: 9/8/2025 11:16:34 AM

Comments: <Comment>

Rack: 1

Vial: 19

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0431 ppm	2.1474 ppm	0.1268 ppm	1.0040 ppm	2.1174 ppm	0.0524 ppm
Concentration per Run 1	0.0431 ppm	2.3235 ppm	0.1271 ppm	1.0034 ppm	2.2819 ppm	0.0570 ppm
Concentration per Run 2	0.0429 ppm	2.0975 ppm	0.1256 ppm	1.0033 ppm	2.1094 ppm	0.0510 ppm
Concentration per Run 3	0.0433 ppm	2.0213 ppm	0.1277 ppm	1.0053 ppm	1.9608 ppm	0.0493 ppm
Concentration RSD	0.5 %	7.3 %	0.9 %	0.1 %	7.6 %	7.7 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0540 ppm	0.5046 ppm	0.2058 ppm	0.2594 ppm	1.0116 ppm	10.5148 ppm	0.0000 ppm
Concentration per Run 1	0.0538 ppm	0.5036 ppm	0.2059 ppm	0.2590 ppm	1.0938 ppm	11.3359 ppm	-0.0003 ppm
Concentration per Run 2	0.0540 ppm	0.5050 ppm	0.2056 ppm	0.2595 ppm	0.9892 ppm	10.2874 ppm	0.0000 ppm
Concentration per Run 3	0.0540 ppm	0.5052 ppm	0.2059 ppm	0.2596 ppm	0.9517 ppm	9.9210 ppm	0.0004 ppm
Concentration RSD	0.2 %	0.2 %	0.1 %	0.1 %	7.3 %	7.0 %	2.133.5 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.4900 ppm	0.5172 ppm	1.0352 ppm	11.0938 ppm	0.5272 ppm	0.5605 ppm	0.4628 ppm
Concentration per Run 1	10.4611 ppm	0.5602 ppm	1.0309 ppm	12.0104 ppm	0.5270 ppm	0.5602 ppm	0.4553 ppm
Concentration per Run 2	10.5423 ppm	0.5056 ppm	1.0386 ppm	10.8216 ppm	0.5262 ppm	0.5604 ppm	0.4831 ppm
Concentration per Run 3	10.4666 ppm	0.4859 ppm	1.0381 ppm	10.4496 ppm	0.5283 ppm	0.5608 ppm	0.4700 ppm
Concentration RSD	0.4 %	7.4 %	0.4 %	7.3 %	0.2 %	0.1 %	1.6 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1255 ppm	0.9623 ppm	0.9619 ppm	1.0156 ppm	1.0534 ppm	0.1226 ppm	0.5341 ppm
Concentration per Run 1	0.1256 ppm	0.9619 ppm	0.9619 ppm	1.0963 ppm	1.0519 ppm	0.1223 ppm	0.5342 ppm
Concentration per Run 2	0.1250 ppm	0.9619 ppm	0.9619 ppm	0.9915 ppm	1.0554 ppm	0.1219 ppm	0.5343 ppm
Concentration per Run 3	0.1260 ppm	0.9630 ppm	0.9630 ppm	0.9589 ppm	1.0529 ppm	0.1237 ppm	0.5338 ppm
Concentration RSD	0.4 %	0.1 %	0.1 %	7.1 %	0.2 %	0.8 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5098 ppm	104.9670 %	104.0115 %	102.7957 %	102.6572 %	98.5542 %	102.4270 %
Concentration per Run 1	0.5088 ppm	97.7697 %	104.2081 %	102.9872 %	95.1159 %	98.8394 %	102.6014 %
Concentration per Run 2	0.5103 ppm	106.5568 %	103.7525 %	102.5982 %	104.3177 %	98.4133 %	102.1464 %
Concentration per Run 3	0.5103 ppm	110.5746 %	104.0740 %	102.8015 %	108.5381 %	98.4099 %	102.5332 %
Concentration RSD	0.2 %	6.2 %	0.2 %	0.2 %	6.7 %	0.3 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2555605-02.WG2111346

Analysis started at: 9/8/2025 11:22:44 AM

Comments: <Comment>

Rack: 1

Vial: 20

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0001 ppm	0.0034 ppm	-0.0013 ppm	0.0196 ppm	0.0330 ppm	0.0000 ppm	13.0588 ppm
Concentration per Run 1	0.0000 ppm	0.0036 ppm	-0.0016 ppm	0.0197 ppm	0.0358 ppm	0.0000 ppm	14.1541 ppm
Concentration per Run 2	-0.0003 ppm	0.0039 ppm	-0.0016 ppm	0.0194 ppm	0.0324 ppm	0.0000 ppm	12.8046 ppm
Concentration per Run 3	-0.0002 ppm	0.0027 ppm	-0.0008 ppm	0.0198 ppm	0.0310 ppm	0.0000 ppm	12.2177 ppm
Concentration RSD	92.7 %	19.1 %	35.2 %	0.9 %	7.5 %	201.0 %	7.6 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0020 ppm	0.0010 ppm	0.0020 ppm	1.2776 ppm	0.0023 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0018 ppm	0.0008 ppm	0.0028 ppm	1.3895 ppm	0.0029 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0019 ppm	0.0012 ppm	0.0013 ppm	1.2434 ppm	0.0018 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0021 ppm	0.0010 ppm	0.0019 ppm	1.1998 ppm	0.0021 ppm
Concentration RSD	11.3 %	41.5 %	8.9 %	16.4 %	36.5 %	7.8 %	24.1 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	6.0481 ppm	0.0010 ppm	0.0029 ppm	17.7251 ppm	-0.0001 ppm	-0.0024 ppm	0.0072 ppm
Concentration per Run 1	6.0346 ppm	0.0012 ppm	0.0036 ppm	19.1733 ppm	-0.0003 ppm	-0.0022 ppm	0.0079 ppm
Concentration per Run 2	6.0470 ppm	0.0009 ppm	0.0027 ppm	17.3919 ppm	0.0001 ppm	-0.0027 ppm	0.0069 ppm
Concentration per Run 3	6.0627 ppm	0.0008 ppm	0.0024 ppm	16.6101 ppm	-0.0001 ppm	-0.0023 ppm	0.0068 ppm
Concentration RSD	0.2 %	22.1 %	20.1 %	7.4 %	154.5 %	10.8 %	8.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0005 ppm	8.3304 ppm	0.0014 ppm	0.0730 ppm	0.0001 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 1	0.0003 ppm	8.3051 ppm	0.0017 ppm	0.0791 ppm	-0.0001 ppm	0.0012 ppm	-0.0001 ppm
Concentration per Run 2	0.0024 ppm	8.3650 ppm	0.0017 ppm	0.0714 ppm	0.0002 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 3	-0.0013 ppm	8.3210 ppm	0.0008 ppm	0.0684 ppm	0.0003 ppm	-0.0005 ppm	0.0000 ppm
Concentration RSD	414.1 %	0.4 %	37.4 %	7.6 %	156.1 %	157.2 %	381.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0031 ppm	103.8077 %	104.4953 %	103.2764 %	101.2522 %	99.4768 %	102.9828 %
Concentration per Run 1	0.0031 ppm	96.6017 %	104.9134 %	103.6150 %	93.8399 %	99.8779 %	103.2193 %
Concentration per Run 2	0.0031 ppm	105.4091 %	104.1607 %	103.0927 %	102.6497 %	99.0628 %	102.9404 %
Concentration per Run 3	0.0030 ppm	109.4123 %	104.4118 %	103.1216 %	107.2669 %	99.4896 %	102.7887 %
Concentration RSD	1.7 %	6.3 %	0.4 %	0.3 %	6.7 %	0.4 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111346-3 WG2111346

Analysis started at: 9/8/2025 11:29:01 AM

Comments: <Comment>

Rack: 1

Vial: 21

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0437 ppm	2.0231 ppm	0.1291 ppm	1.0656 ppm	2.0036 ppm	0.0494 ppm	21.4523 ppm
Concentration per Run 1	0.0437 ppm	2.0329 ppm	0.1300 ppm	1.0625 ppm	2.0375 ppm	0.0497 ppm	21.6086 ppm
Concentration per Run 2	0.0437 ppm	2.0342 ppm	0.1289 ppm	1.0671 ppm	1.9959 ppm	0.0493 ppm	21.4753 ppm
Concentration per Run 3	0.0436 ppm	2.0023 ppm	0.1284 ppm	1.0670 ppm	1.9773 ppm	0.0492 ppm	21.2730 ppm
Concentration RSD	0.2 %	0.9 %	0.6 %	0.2 %	1.5 %	0.6 %	0.8 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0550 ppm	0.5124 ppm	0.2100 ppm	0.2641 ppm	0.9555 ppm	11.2324 ppm	0.0026 ppm
Concentration per Run 1	0.0549 ppm	0.5111 ppm	0.2104 ppm	0.2639 ppm	0.9595 ppm	11.2287 ppm	0.0025 ppm
Concentration per Run 2	0.0552 ppm	0.5126 ppm	0.2095 ppm	0.2633 ppm	0.9587 ppm	11.2514 ppm	0.0027 ppm
Concentration per Run 3	0.0550 ppm	0.5134 ppm	0.2099 ppm	0.2651 ppm	0.9482 ppm	11.2171 ppm	0.0026 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.3 %	0.7 %	0.2 %	3.8 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	16.7238 ppm	0.4835 ppm	1.0528 ppm	26.6636 ppm	0.5317 ppm	0.5616 ppm	0.4834 ppm
Concentration per Run 1	16.8064 ppm	0.4864 ppm	1.0480 ppm	26.7674 ppm	0.5296 ppm	0.5596 ppm	0.4739 ppm
Concentration per Run 2	16.6397 ppm	0.4830 ppm	1.0541 ppm	26.7101 ppm	0.5328 ppm	0.5622 ppm	0.4857 ppm
Concentration per Run 3	16.7251 ppm	0.4810 ppm	1.0564 ppm	26.5132 ppm	0.5327 ppm	0.5630 ppm	0.4905 ppm
Concentration RSD	0.5 %	0.6 %	0.4 %	0.5 %	0.3 %	0.3 %	1.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1311 ppm	9.4903 ppm	1.0360 [SIC 20]	1.0310 ppm	1.0703 ppm	0.1234 ppm	0.5413 ppm
Concentration per Run 1	0.1303 ppm	9.4532 ppm	1.0338 ppm	1.0359 ppm	1.0717 ppm	0.1235 ppm	0.5410 ppm
Concentration per Run 2	0.1330 ppm	9.5110 ppm	1.0361 ppm	1.0322 ppm	1.0678 ppm	0.1234 ppm	0.5406 ppm
Concentration per Run 3	0.1299 ppm	9.5067 ppm	1.0381 ppm	1.0249 ppm	1.0712 ppm	0.1232 ppm	0.5424 ppm
Concentration RSD	1.3 %	0.3 %	0.2 %	0.5 %	0.2 %	0.1 %	0.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5252 ppm	110.4597 %	101.9730 %	101.1737 %	108.9176 %	96.1396 %	100.6381 %
Concentration per Run 1	0.5244 ppm	109.9498 %	101.7791 %	101.2188 %	107.9528 %	96.3785 %	100.3607 %
Concentration per Run 2	0.5258 ppm	110.1661 %	102.2441 %	101.1201 %	108.7035 %	96.0004 %	101.0527 %
Concentration per Run 3	0.5252 ppm	111.2632 %	101.8958 %	101.1843 %	110.0966 %	96.0399 %	100.5008 %
Concentration RSD	0.1 %	0.6 %	0.2 %	0.0 %	1.0 %	0.2 %	0.4 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111346-4 WG2111346

Analysis started at: 9/8/2025 11:35:11 AM

Comments: <Comment>

Rack: 1

Vial: 22

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0439 ppm	2.1356 ppm	0.1297 ppm	1.0688 ppm	2.1586 ppm	0.0519 ppm	22.4810 ppm
Concentration per Run 1	0.0441 ppm	2.2922 ppm	0.1275 ppm	1.0726 ppm	2.3467 ppm	0.0555 ppm	24.1257 ppm
Concentration per Run 2	0.0438 ppm	2.0823 ppm	0.1290 ppm	1.0676 ppm	2.0765 ppm	0.0506 ppm	21.9507 ppm
Concentration per Run 3	0.0438 ppm	2.0323 ppm	0.1326 ppm	1.0661 ppm	2.0528 ppm	0.0495 ppm	21.3667 ppm
Concentration RSD	0.3 %	6.5 %	2.0 %	0.3 %	7.6 %	6.2 %	6.5 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0549 ppm	0.5130 ppm	0.2103 ppm	0.2642 ppm	1.0091 ppm	11.8055 ppm	0.0026 ppm
Concentration per Run 1	0.0551 ppm	0.5140 ppm	0.2104 ppm	0.2643 ppm	1.0811 ppm	12.5949 ppm	0.0028 ppm
Concentration per Run 2	0.0548 ppm	0.5128 ppm	0.2102 ppm	0.2644 ppm	0.9869 ppm	11.4944 ppm	0.0021 ppm
Concentration per Run 3	0.0549 ppm	0.5123 ppm	0.2103 ppm	0.2640 ppm	0.9594 ppm	11.3273 ppm	0.0029 ppm
Concentration RSD	0.2 %	0.2 %	0.0 %	0.1 %	6.3 %	5.8 %	18.0 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	16.6521 ppm	0.5104 ppm	1.0577 ppm	27.7756 ppm	0.5324 ppm	0.5621 ppm	0.4906 ppm
Concentration per Run 1	16.6192 ppm	0.5474 ppm	1.0599 ppm	29.8193 ppm	0.5344 ppm	0.5629 ppm	0.4865 ppm
Concentration per Run 2	16.6297 ppm	0.4982 ppm	1.0584 ppm	27.0545 ppm	0.5320 ppm	0.5613 ppm	0.4886 ppm
Concentration per Run 3	16.7073 ppm	0.4856 ppm	1.0569 ppm	26.4528 ppm	0.5309 ppm	0.5620 ppm	0.4965 ppm
Concentration RSD	0.3 %	6.4 %	0.2 %	6.5 %	0.3 %	0.2 %	1.1 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1308 ppm	9.4213 ppm	1.0416 [SIC 20]	1.0835 ppm	1.0684 ppm	0.1244 ppm	0.5424 ppm
Concentration per Run 1	0.1300 ppm	9.4527 ppm	1.0432 ppm	1.1599 ppm	1.0685 ppm	0.1262 ppm	0.5429 ppm
Concentration per Run 2	0.1323 ppm	9.4133 ppm	1.0404 ppm	1.0537 ppm	1.0674 ppm	0.1232 ppm	0.5410 ppm
Concentration per Run 3	0.1301 ppm	9.3980 ppm	1.0412 ppm	1.0368 ppm	1.0693 ppm	0.1239 ppm	0.5433 ppm
Concentration RSD	1.0 %	0.3 %	0.1 %	6.2 %	0.1 %	1.2 %	0.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5253 ppm	105.6306 %	101.7179 %	101.2633 %	104.0435 %	96.4316 %	100.7441 %
Concentration per Run 1	0.5271 ppm	99.1805 %	101.4891 %	101.2335 %	97.2516 %	96.0979 %	100.6013 %
Concentration per Run 2	0.5248 ppm	107.6115 %	101.7957 %	101.0555 %	105.7561 %	96.4251 %	100.8375 %
Concentration per Run 3	0.5239 ppm	110.0997 %	101.8689 %	101.5009 %	109.1227 %	96.7717 %	100.7936 %
Concentration RSD	0.3 %	5.4 %	0.2 %	0.2 %	5.9 %	0.3 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111346-5 WG2111346

Analysis started at: 9/8/2025 11:41:21 AM

Comments: <Comment>

Rack: 1

Vial: 23

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0500 ppm	2.0132 ppm	0.1279 ppm	1.0480 ppm	1.9844 ppm	0.0488 ppm	21.6270 ppm
Concentration per Run 1	0.0503 ppm	2.0603 ppm	0.1298 ppm	1.0509 ppm	2.0216 ppm	0.0499 ppm	22.1440 ppm
Concentration per Run 2	0.0499 ppm	1.9991 ppm	0.1288 ppm	1.0481 ppm	1.9617 ppm	0.0485 ppm	21.4370 ppm
Concentration per Run 3	0.0499 ppm	1.9801 ppm	0.1251 ppm	1.0449 ppm	1.9699 ppm	0.0480 ppm	21.3000 ppm
Concentration RSD	0.4 %	2.1 %	1.9 %	0.3 %	1.6 %	2.1 %	2.1 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0537 ppm	0.4996 ppm	0.2053 ppm	0.2587 ppm	0.9574 ppm	11.2129 ppm	0.0022 ppm
Concentration per Run 1	0.0539 ppm	0.5008 ppm	0.2056 ppm	0.2582 ppm	0.9770 ppm	11.4495 ppm	0.0023 ppm
Concentration per Run 2	0.0536 ppm	0.4997 ppm	0.2051 ppm	0.2591 ppm	0.9471 ppm	11.0972 ppm	0.0021 ppm
Concentration per Run 3	0.0535 ppm	0.4982 ppm	0.2052 ppm	0.2587 ppm	0.9482 ppm	11.0921 ppm	0.0021 ppm
Concentration RSD	0.4 %	0.3 %	0.1 %	0.2 %	1.8 %	1.8 %	5.8 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	16.4591 ppm	0.4791 ppm	1.0368 ppm	26.4238 ppm	0.5193 ppm	0.5508 ppm	0.4395 ppm
Concentration per Run 1	16.4320 ppm	0.4909 ppm	1.0376 ppm	27.0634 ppm	0.5216 ppm	0.5524 ppm	0.4299 ppm
Concentration per Run 2	16.4594 ppm	0.4746 ppm	1.0365 ppm	26.2098 ppm	0.5192 ppm	0.5511 ppm	0.4396 ppm
Concentration per Run 3	16.4861 ppm	0.4719 ppm	1.0363 ppm	25.9982 ppm	0.5173 ppm	0.5490 ppm	0.4490 ppm
Concentration RSD	0.2 %	2.1 %	0.1 %	2.1 %	0.4 %	0.3 %	2.2 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1276 ppm	9.4412 ppm	1.0284 [SIC 20]	1.0430 ppm	1.0558 ppm	0.1225 ppm	0.5289 ppm
Concentration per Run 1	0.1277 ppm	9.4615 ppm	1.0313 ppm	1.0666 ppm	1.0548 ppm	0.1232 ppm	0.5291 ppm
Concentration per Run 2	0.1284 ppm	9.4500 ppm	1.0280 ppm	1.0356 ppm	1.0547 ppm	0.1226 ppm	0.5282 ppm
Concentration per Run 3	0.1268 ppm	9.4121 ppm	1.0280 ppm	1.0269 ppm	1.0580 ppm	0.1218 ppm	0.5294 ppm
Concentration RSD	0.6 %	0.3 %	0.3 %	2.0 %	0.2 %	0.6 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5126 ppm	108.2604 ppm	101.7391 ppm	101.2833 ppm	106.8274 ppm	96.4309 ppm	100.5659 ppm
Concentration per Run 1	0.5145 ppm	106.6009 ppm	101.5579 ppm	101.0620 ppm	104.7782 ppm	96.2371 ppm	100.5540 ppm
Concentration per Run 2	0.5118 ppm	109.7203 ppm	101.7205 ppm	101.3204 ppm	108.2195 ppm	96.3294 ppm	100.5597 ppm
Concentration per Run 3	0.5114 ppm	108.4602 ppm	101.9389 ppm	101.4674 ppm	107.4845 ppm	96.7261 ppm	100.5840 ppm
Concentration RSD	0.3 %	1.4 %	0.2 %	0.2 %	1.7 %	0.3 %	0.0 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2111346.6D5 WG2111346

Analysis started at: 9/8/2025 11:47:31 AM

Comments: <Comment>

Rack: 1

Vial: 24

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0003 ppm	-0.0041 ppm	-0.0003 ppm	0.0076 ppm	0.0068 ppm	0.0000 ppm	2.6951 ppm
Concentration per Run 1	-0.0005 ppm	-0.0034 ppm	-0.0004 ppm	0.0079 ppm	0.0076 ppm	0.0000 ppm	2.9776 ppm
Concentration per Run 2	0.0000 ppm	-0.0047 ppm	-0.0008 ppm	0.0072 ppm	0.0066 ppm	0.0000 ppm	2.6229 ppm
Concentration per Run 3	-0.0004 ppm	-0.0041 ppm	0.0004 ppm	0.0077 ppm	0.0062 ppm	-0.0001 ppm	2.4849 ppm
Concentration RSD	101.2 %	15.4 %	224.0 %	4.4 %	10.6 %	161.0 %	9.4 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0320 ppm	0.2815 ppm	0.0014 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0352 ppm	0.3278 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0001 ppm	0.0305 ppm	0.2511 ppm	0.0021 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0001 ppm	0.0302 ppm	0.2657 ppm	0.0015 ppm
Concentration RSD	99.0 %	107.4 %	25.7 %	34.2 %	8.8 %	14.5 %	48.1 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	1.2230 ppm	0.0006 ppm	0.0047 ppm	3.5732 ppm	0.0002 ppm	0.0000 ppm	0.0209 ppm
Concentration per Run 1	1.2256 ppm	0.0007 ppm	0.0053 ppm	3.9400 ppm	0.0000 ppm	-0.0002 ppm	0.0237 ppm
Concentration per Run 2	1.2280 ppm	0.0006 ppm	0.0046 ppm	3.4784 ppm	0.0002 ppm	0.0000 ppm	0.0198 ppm
Concentration per Run 3	1.2154 ppm	0.0005 ppm	0.0042 ppm	3.3011 ppm	0.0003 ppm	0.0002 ppm	0.0191 ppm
Concentration RSD	0.5 %	17.5 %	11.7 %	9.2 %	77.1 %	1.499.3 %	11.9 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0004 ppm	1.6334 ppm	0.0083 ppm	0.0151 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0013 ppm	1.6361 ppm	0.0093 ppm	0.0168 ppm	-0.0002 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0013 ppm	1.6318 ppm	0.0076 ppm	0.0146 ppm	0.0002 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 3	-0.0015 ppm	1.6322 ppm	0.0078 ppm	0.0140 ppm	-0.0001 ppm	-0.0009 ppm	0.0001 ppm
Concentration RSD	449.5 %	0.1 %	11.1 %	9.6 %	1.905.5 %	4.063.3 %	40.6 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0006 ppm	100.9375 %	105.1403 %	104.0980 %	99.1426 %	101.9492 %	103.7816 %
Concentration per Run 1	0.0006 ppm	91.4329 %	104.8910 %	104.0143 %	89.5859 %	101.8840 %	103.5867 %
Concentration per Run 2	0.0006 ppm	103.2734 %	105.2503 %	104.1841 %	101.2636 %	102.0166 %	103.7012 %
Concentration per Run 3	0.0006 ppm	108.1062 %	105.2795 %	104.0957 %	106.5782 %	101.9470 %	104.0569 %
Concentration RSD	1.2 %	8.5 %	0.2 %	0.1 %	8.8 %	0.1 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2555975.01 WG2111346

Analysis started at: 9/8/2025 11:53:50 AM

Comments: <Comment>

Rack: 1

Vial: 25

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0000 ppm	-0.0010 ppm	-0.0008 ppm	0.0032 ppm	0.0000 ppm	0.0000 ppm	0.0520 ppm
Concentration per Run 1	0.0002 ppm	0.0011 ppm	0.0002 ppm	0.0032 ppm	0.0001 ppm	0.0000 ppm	0.0572 ppm
Concentration per Run 2	0.0000 ppm	0.0018 ppm	-0.0015 ppm	0.0031 ppm	0.0001 ppm	0.0000 ppm	0.0516 ppm
Concentration per Run 3	-0.0002 ppm	-0.0059 ppm	-0.0009 ppm	0.0031 ppm	-0.0001 ppm	0.0000 ppm	0.0472 ppm
Concentration RSD	990.1 %	435.6 %	113.2 %	1.6 %	313.6 %	189.9 %	9.7 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.0017 ppm	0.0347 ppm	0.0324 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0016 ppm	0.0383 ppm	0.0286 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0018 ppm	0.0336 ppm	0.0241 ppm	-0.0014 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0016 ppm	0.0321 ppm	0.0445 ppm	-0.0002 ppm
Concentration RSD	59.1 %	74.9 %	21.1 %	7.3 %	9.2 %	33.0 %	188.5 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.0090 ppm	0.0008 ppm	0.0540 ppm	3.3152 ppm	0.0001 ppm	0.0005 ppm	0.0019 ppm
Concentration per Run 1	0.0095 ppm	0.0010 ppm	0.0542 ppm	3.6468 ppm	0.0002 ppm	0.0003 ppm	0.0021 ppm
Concentration per Run 2	0.0085 ppm	0.0008 ppm	0.0541 ppm	3.2174 ppm	0.0001 ppm	0.0003 ppm	0.0015 ppm
Concentration per Run 3	0.0090 ppm	0.0007 ppm	0.0538 ppm	3.0815 ppm	0.0000 ppm	0.0008 ppm	0.0022 ppm
Concentration RSD	5.5 %	17.7 %	0.3 %	8.9 %	180.1 %	65.5 %	18.9 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0002 ppm	0.0169 ppm	0.0002 ppm	0.0004 ppm	-0.0004 ppm	0.0016 ppm	0.0003 ppm
Concentration per Run 1	0.0004 ppm	0.0166 ppm	-0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run 2	0.0003 ppm	0.0171 ppm	0.0002 ppm	0.0003 ppm	-0.0003 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run 3	-0.0014 ppm	0.0169 ppm	0.0004 ppm	0.0004 ppm	-0.0004 ppm	0.0026 ppm	0.0002 ppm
Concentration RSD	410.5 %	1.5 %	131.5 %	11.7 %	4.2 %	52.5 %	15.6 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0073 ppm	104.0973 %	106.7630 %	104.0009 %	99.8565 %	103.0860 %	104.3404 %
Concentration per Run 1	0.0074 ppm	95.4566 %	106.7446 %	104.1795 %	90.7153 %	102.7142 %	104.3555 %
Concentration per Run 2	0.0073 ppm	106.8300 %	106.4908 %	103.7883 %	102.4952 %	103.1776 %	103.9154 %
Concentration per Run 3	0.0071 ppm	110.0054 %	107.0535 %	104.0348 %	106.3591 %	103.3660 %	104.7491 %
Concentration RSD	1.6 %	7.3 %	0.3 %	0.2 %	8.2 %	0.3 %	0.4 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2553333-14D2 WG2110884

Analysis started at: 9/8/2025 12:00:10 PM

Comments: rr Fe

Rack: 1

Vial: 26

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0001 ppm	9.8088 ppm	0.0023 ppm	0.0050 ppm	0.0682 ppm	0.0006 ppm	8.3684 ppm
Concentration per Run 1	0.0002 ppm	10.6769 ppm	0.0013 ppm	0.0050 ppm	0.0743 ppm	0.0007 ppm	9.1074 ppm
Concentration per Run 2	-0.0001 ppm	9.5465 ppm	0.0025 ppm	0.0052 ppm	0.0662 ppm	0.0005 ppm	8.1352 ppm
Concentration per Run 3	0.0003 ppm	9.2029 ppm	0.0031 ppm	0.0049 ppm	0.0641 ppm	0.0006 ppm	7.8627 ppm
Concentration RSD	172.1 %	7.9 %	40.3 %	3.7 %	7.9 %	11.2 %	7.8 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0007 ppm	0.0282 ppm	0.0023 ppm	1.3682 ppm	0.3727 ppm	0.0040 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	0.0281 ppm	0.0023 ppm	1.4888 ppm	0.3921 ppm	0.0045 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	0.0282 ppm	0.0025 ppm	1.3301 ppm	0.3653 ppm	0.0031 ppm
Concentration per Run 3	0.0000 ppm	0.0008 ppm	0.0281 ppm	0.0020 ppm	1.2856 ppm	0.3607 ppm	0.0044 ppm
Concentration RSD	51.7 %	17.8 %	0.3 %	12.2 %	7.8 %	4.5 %	19.8 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.4128 ppm	0.0156 ppm	0.0019 ppm	0.2090 ppm	0.0075 ppm	0.0145 ppm	0.0074 ppm
Concentration per Run 1	0.4132 ppm	0.0172 ppm	0.0021 ppm	0.2323 ppm	0.0074 ppm	0.0146 ppm	0.0085 ppm
Concentration per Run 2	0.4156 ppm	0.0153 ppm	0.0019 ppm	0.2016 ppm	0.0077 ppm	0.0147 ppm	0.0074 ppm
Concentration per Run 3	0.4095 ppm	0.0144 ppm	0.0019 ppm	0.1931 ppm	0.0075 ppm	0.0141 ppm	0.0063 ppm
Concentration RSD	0.7 %	9.4 %	5.4 %	9.9 %	2.2 %	2.2 %	14.7 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0039 ppm	2.9606 ppm	0.0084 ppm	0.0627 ppm	0.3052 ppm	0.0020 ppm	0.0100 ppm
Concentration per Run 1	0.0032 ppm	2.9592 ppm	0.0091 ppm	0.0682 ppm	0.3049 ppm	0.0006 ppm	0.0101 ppm
Concentration per Run 2	0.0046 ppm	2.9679 ppm	0.0078 ppm	0.0608 ppm	0.3065 ppm	0.0031 ppm	0.0100 ppm
Concentration per Run 3	0.0038 ppm	2.9547 ppm	0.0084 ppm	0.0590 ppm	0.3042 ppm	0.0023 ppm	0.0099 ppm
Concentration RSD	17.2 %	0.2 %	7.8 %	7.8 %	0.4 %	64.4 %	1.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0045 ppm	104.1601 %	105.5015 %	104.4306 %	100.9063 %	98.4406 %	103.0699 %
Concentration per Run 1	0.0044 ppm	96.2649 %	105.4637 %	104.2460 %	93.1411 %	98.3110 %	103.0762 %
Concentration per Run 2	0.0045 ppm	106.7570 %	105.5397 %	104.3191 %	103.1207 %	98.3413 %	102.9348 %
Concentration per Run 3	0.0046 ppm	109.4584 %	105.5012 %	104.7267 %	106.4572 %	98.6695 %	103.1986 %
Concentration RSD	1.6 %	6.7 %	0.0 %	0.2 %	6.9 %	0.2 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: CCV

Analysis started at: 9/8/2025 12:06:26 PM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.4872 ppm	0.5161 ppm	0.4925 ppm	0.5029 ppm	0.5263 ppm	0.5255 ppm	0.5169 ppm
Concentration per Run 1	0.4889 ppm	0.5667 ppm	0.4930 ppm	0.5024 ppm	0.5739 ppm	0.5731 ppm	0.5659 ppm
Concentration per Run 2	0.4865 ppm	0.5020 ppm	0.4903 ppm	0.5023 ppm	0.5125 ppm	0.5118 ppm	0.5005 ppm
Concentration per Run 3	0.4862 ppm	0.4795 ppm	0.4942 ppm	0.5039 ppm	0.4925 ppm	0.4916 ppm	0.4842 ppm
Recovery Percentage 1	97.435 %	103.215 %	98.498 %	100.577 %	105.261 %	105.099 %	103.374 %
Concentration RSD	0.3 %	8.8 %	0.4 %	0.2 %	8.1 %	8.1 %	8.4 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.4975 ppm	0.5081 ppm	0.5104 ppm	0.5132 ppm	0.5047 ppm	5.3857 ppm	0.5335 ppm
Concentration per Run 1	0.4984 ppm	0.5085 ppm	0.5108 ppm	0.5131 ppm	0.5512 ppm	5.8764 ppm	0.5813 ppm
Concentration per Run 2	0.4966 ppm	0.5067 ppm	0.5107 ppm	0.5123 ppm	0.4923 ppm	5.2457 ppm	0.5205 ppm
Concentration per Run 3	0.4975 ppm	0.5092 ppm	0.5098 ppm	0.5142 ppm	0.4708 ppm	5.0351 ppm	0.4988 ppm
Recovery Percentage 1	99.492 %	101.621 %	102.084 %	102.642 %	100.949 %	107.715 %	106.709 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.2 %	8.2 %	8.1 %	8.0 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.5255 ppm	0.5230 ppm	0.5126 ppm	10.8215 ppm	0.5223 ppm	0.5219 ppm	0.5188 ppm
Concentration per Run 1	0.5279 ppm	0.5703 ppm	0.5123 ppm	11.8048 ppm	0.5221 ppm	0.5231 ppm	0.5185 ppm
Concentration per Run 2	0.5234 ppm	0.5097 ppm	0.5126 ppm	10.5388 ppm	0.5221 ppm	0.5207 ppm	0.5158 ppm
Concentration per Run 3	0.5251 ppm	0.4889 ppm	0.5129 ppm	10.1208 ppm	0.5226 ppm	0.5218 ppm	0.5221 ppm
Recovery Percentage 1	105.097 %	104.590 %	102.519 %	108.215 %	104.453 %	104.370 %	103.767 %
Concentration RSD	0.4 %	8.1 %	0.1 %	8.1 %	0.1 %	0.2 %	0.6 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.5069 ppm	5.5088 ppm	0.5169 ppm	0.5225 ppm	0.5153 ppm	0.5190 ppm	0.5206 ppm
Concentration per Run 1	0.5061 ppm	5.5042 ppm	0.5178 ppm	0.5700 ppm	0.5160 ppm	0.5178 ppm	0.5208 ppm
Concentration per Run 2	0.5049 ppm	5.4982 ppm	0.5158 ppm	0.5093 ppm	0.5152 ppm	0.5200 ppm	0.5208 ppm
Concentration per Run 3	0.5097 ppm	5.5240 ppm	0.5172 ppm	0.4882 ppm	0.5147 ppm	0.5193 ppm	0.5202 ppm
Recovery Percentage 1	101.374 %	104.929 %	103.389 %	104.502 %	103.055 %	103.806 %	104.120 %
Concentration RSD	0.5 %	0.2 %	0.2 %	8.1 %	0.1 %	0.2 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5036 ppm	100.6153 %	103.4090 %	102.8081 %	99.6821 %	99.0027 %	102.7102 %
Concentration per Run 1	0.5053 ppm	92.5298 %	103.2277 %	102.7497 %	91.8704 %	99.0420 %	102.6526 %
Concentration per Run 2	0.5024 ppm	102.8110 %	103.2469 %	102.7757 %	101.7591 %	99.0475 %	102.5430 %
Concentration per Run 3	0.5031 ppm	106.5051 %	103.7526 %	102.8988 %	105.4167 %	98.9185 %	102.9351 %
Recovery Percentage 1	100.720 %	7.2 %	0.3 %	0.1 %	7.0 %	0.1 %	0.2 %
Concentration RSD	0.3 %						

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

CCB

Sample: 9/8/2025 12:12:29 PM

Comments: <Comment>

Rack: 0

Vial: 4

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0001 ppm	-0.0033 ppm	-0.0018 ppm	0.0025 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run 1	0.0001 ppm	0.0022 ppm	-0.0015 ppm	0.0025 ppm	0.0001 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run 2	-0.0003 ppm	-0.0069 ppm	-0.0015 ppm	0.0025 ppm	0.0000 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 3	0.0000 ppm	-0.0051 ppm	-0.0023 ppm	0.0025 ppm	-0.0001 ppm	0.0000 ppm	-0.0018 ppm
Recovery Percentage 1	-0.894 %	-3.269 %	-35.284 %	8.348 %	-0.031 %	1.265 %	-0.258 %
Concentration RSD	379.5 %	147.6 %	25.8 %	1.4 %	2.027.9 %	60.0 %	835.9 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0037 ppm	0.0310 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0038 ppm	0.0457 ppm	0.0005 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0027 ppm	0.0241 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0044 ppm	0.0233 ppm	0.0015 ppm
Recovery Percentage 1	1.748 %	0.356 %	0.294 %	-0.887 %	-7.314 %	1.242 %	7.027 %
Concentration RSD	26.2 %	48.9 %	495.8 %	145.1 %	23.6 %	40.9 %	95.2 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	-0.0022 ppm	0.0001 ppm	0.0011 ppm	0.0733 ppm	0.0002 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 1	-0.0006 ppm	-0.0001 ppm	0.0013 ppm	0.0686 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 2	-0.0029 ppm	0.0002 ppm	0.0010 ppm	0.0813 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	-0.0031 ppm	0.0003 ppm	0.0010 ppm	0.0701 ppm	0.0003 ppm	0.0002 ppm	0.0012 ppm
Recovery Percentage 1	-2.184 %	1.427 %	2.244 %	3.666 %	0.720 %	0.276 %	1.076 %
Concentration RSD	64.1 %	135.7 %	16.9 %	9.4 %	74.0 %	502.2 %	113.1 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0013 ppm	-0.0041 ppm	0.0006 ppm	0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0030 ppm	-0.0046 ppm	0.0010 ppm	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	-0.0039 ppm	0.0004 ppm	0.0001 ppm	-0.0004 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run 3	0.0006 ppm	-0.0038 ppm	0.0003 ppm	0.0001 ppm	-0.0003 ppm	0.0011 ppm	0.0002 ppm
Recovery Percentage 1	12.781 %	-0.822 %	1.168 %	0.775 %	-2.759 %	0.565 %	2.167 %
Concentration RSD	114.0 %	11.2 %	68.7 %	16.5 %	39.1 %	943.8 %	4.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0003 ppm	108.0749 %	106.1766 %	104.5273 %	105.4234 %	102.1251 %	103.7017 %
Concentration per Run 1	-0.0003 ppm	105.6128 %	106.0215 %	104.5861 %	102.3216 %	102.3384 %	103.6926 %
Concentration per Run 2	-0.0003 ppm	108.3749 %	106.7789 %	104.4483 %	105.8491 %	101.8123 %	104.0871 %
Concentration per Run 3	-0.0002 ppm	110.2370 %	105.7293 %	104.5474 %	108.0997 %	102.2245 %	103.3253 %
Recovery Percentage 1	-5.116 %						
Concentration RSD	21.9 %	2.2 %	0.5 %	0.1 %	2.8 %	0.3 %	0.4 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110801-1 WG2110801

Analysis started at: 9/8/2025 12:30:38 PM

Comments: <Comment>

Rack: 1

Vial: 27

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0001 ppm	0.0029 ppm	-0.0010 ppm	0.0024 ppm	0.0000 ppm	0.0000 ppm	0.0121 ppm
Concentration per Run 1	-0.0004 ppm	0.0058 ppm	-0.0012 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	0.0162 ppm
Concentration per Run 2	0.0001 ppm	0.0022 ppm	0.0006 ppm	0.0023 ppm	0.0000 ppm	-0.0001 ppm	0.0096 ppm
Concentration per Run 3	-0.0001 ppm	0.0007 ppm	-0.0024 ppm	0.0025 ppm	0.0000 ppm	0.0000 ppm	0.0106 ppm
Recovery Percentage 1	-1.933 %	2.909 %	-19.401 %	7.869 %	0.096 %	-0.604 %	12.114 %
Concentration RSD	204.2 %	90.6 %	153.8 %	5.5 %	136.2 %	136.4 %	29.2 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0392 ppm	0.0368 ppm	0.0013 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0003 ppm	0.0428 ppm	0.0418 ppm	0.0016 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0006 ppm	-0.0001 ppm	0.0387 ppm	0.0230 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0010 ppm	0.0000 ppm	0.0361 ppm	0.0456 ppm	0.0010 ppm
Recovery Percentage 1	0.780 %	-0.257 %	7.125 %	0.582 %	78.409 %	1.473 %	12.655 %
Concentration RSD	27.1 %	312.3 %	31.9 %	332.7 %	8.7 %	32.8 %	23.5 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.0031 ppm	0.0008 ppm	0.0000 ppm	0.0982 ppm	0.0000 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run 1	0.0044 ppm	0.0010 ppm	0.0000 ppm	0.1040 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 2	0.0034 ppm	0.0006 ppm	0.0001 ppm	0.0911 ppm	0.0003 ppm	-0.0001 ppm	0.0029 ppm
Concentration per Run 3	0.0016 ppm	0.0006 ppm	0.0001 ppm	0.0995 ppm	-0.0003 ppm	0.0001 ppm	0.0010 ppm
Recovery Percentage 1	3.124 %	7.638 %	0.085 %	4.912 %	0.131 %	1.440 %	2.539 %
Concentration RSD	44.1 %	30.5 %	205.2 %	6.7 %	915.8 %	166.4 %	120.7 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0005 ppm	0.0122 ppm	0.0099 ppm	0.0001 ppm	0.0000 ppm	-0.0010 ppm	0.0001 ppm
Concentration per Run 1	-0.0006 ppm	0.0124 ppm	0.0103 ppm	0.0001 ppm	0.0000 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run 2	-0.0023 ppm	0.0121 ppm	0.0098 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 3	0.0013 ppm	0.0121 ppm	0.0096 ppm	0.0000 ppm	0.0000 ppm	-0.0023 ppm	0.0001 ppm
Recovery Percentage 1	-5.298 %	2.440 %	19.822 %	0.506 %	0.127 %	-5.108 %	1.299 %
Concentration RSD	331.8 %	1.6 %	3.4 %	64.5 %	431.1 %	123.1 %	65.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0005 ppm	101.4610 %	106.5826 %	104.5494 %	99.0822 %	99.3028 %	104.1908 %
Concentration per Run 1	0.0004 ppm	93.4537 %	106.4748 %	104.4598 %	91.6163 %	98.8420 %	104.0601 %
Concentration per Run 2	0.0006 ppm	102.8597 %	106.7955 %	104.5393 %	99.9684 %	104.4111 %	104.4111 %
Concentration per Run 3	0.0004 ppm	108.0695 %	106.4773 %	104.6491 %	105.6617 %	99.7178 %	104.1013 %
Recovery Percentage 1	9.524 %						
Concentration RSD	14.1 %	7.3 %	0.2 %	0.1 %	7.1 %	0.4 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110801-2D2 WG2110801

Analysis started at: 9/8/2025 12:36:56 PM

Comments: <Comment>

Rack: 1

Vial: 28

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0515 ppm	2.1181 ppm	0.1289 ppm	1.0412 ppm	2.0590 ppm	0.0514 ppm	10.3016 ppm
Concentration per Run 1	0.0516 ppm	2.2214 ppm	0.1263 ppm	1.0415 ppm	2.1550 ppm	0.0539 ppm	10.7923 ppm
Concentration per Run 2	0.0512 ppm	2.0934 ppm	0.1278 ppm	1.0420 ppm	2.0182 ppm	0.0508 ppm	10.1823 ppm
Concentration per Run 3	0.0515 ppm	2.0396 ppm	0.1265 ppm	1.0400 ppm	2.0038 ppm	0.0494 ppm	9.9301 ppm
Concentration RSD	0.4 %	4.4 %	0.6 %	0.1 %	4.1 %	4.4 %	4.3 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0545 ppm	0.5110 ppm	0.2070 ppm	0.2597 ppm	1.0862 ppm	11.5848 ppm	0.0003 ppm
Concentration per Run 1	0.0546 ppm	0.5110 ppm	0.2078 ppm	0.2600 ppm	1.1358 ppm	11.0686 ppm	0.0006 ppm
Concentration per Run 2	0.0545 ppm	0.5108 ppm	0.2064 ppm	0.2593 ppm	1.0727 ppm	10.4834 ppm	-0.0005 ppm
Concentration per Run 3	0.0545 ppm	0.5113 ppm	0.2068 ppm	0.2597 ppm	1.0502 ppm	10.2026 ppm	0.0009 ppm
Concentration RSD	0.2 %	0.0 %	0.3 %	0.1 %	4.1 %	4.2 %	212.3 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.6159 ppm	0.5075 ppm	1.0788 ppm	10.9932 ppm	0.5318 ppm	0.5875 ppm	0.5239 ppm
Concentration per Run 1	10.6466 ppm	0.5320 ppm	1.0790 ppm	11.5190 ppm	0.5314 ppm	0.5883 ppm	0.5219 ppm
Concentration per Run 2	10.6238 ppm	0.5026 ppm	1.0795 ppm	10.8686 ppm	0.5327 ppm	0.5862 ppm	0.5241 ppm
Concentration per Run 3	10.5773 ppm	0.4879 ppm	1.0778 ppm	10.5920 ppm	0.5312 ppm	0.5881 ppm	0.5257 ppm
Concentration RSD	0.3 %	4.4 %	0.1 %	4.3 %	0.2 %	0.2 %	0.4 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1275 ppm	0.9696 ppm	1.0632 [SIC 20]	1.0231 ppm	1.0753 ppm	0.1245 ppm	0.5350 ppm
Concentration per Run 1	0.1280 ppm	0.9704 ppm	1.0648 ppm	1.0716 ppm	1.0765 ppm	0.1246 ppm	0.5363 ppm
Concentration per Run 2	0.1276 ppm	0.9691 ppm	1.0627 ppm	1.0114 ppm	1.0745 ppm	0.1259 ppm	0.5351 ppm
Concentration per Run 3	0.1269 ppm	0.9693 ppm	1.0619 ppm	0.9864 ppm	1.0749 ppm	0.1231 ppm	0.5338 ppm
Concentration RSD	0.4 %	0.1 %	0.1 %	4.3 %	0.1 %	1.1 %	0.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5131 ppm	103.8670 %	102.2532 %	101.4942 %	102.6002 %	96.3752 %	101.3214 %
Concentration per Run 1	0.5140 ppm	99.3951 %	101.8918 %	101.5853 %	98.1606 %	96.3763 %	101.0089 %
Concentration per Run 2	0.5127 ppm	105.0449 %	102.3262 %	101.5584 %	103.6664 %	96.3599 %	101.4815 %
Concentration per Run 3	0.5126 ppm	107.1611 %	102.5415 %	101.3378 %	105.9735 %	96.3893 %	101.4738 %
Concentration RSD	0.2 %	3.9 %	0.3 %	0.1 %	3.9 %	0.0 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2553099-08D2 WG2110801

Analysis started at: 9/8/2025 12:43:06 PM

Comments: <Comment>

Rack: 1

Vial: 29

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0065 ppm	11.6975 ppm	0.1109 ppm	0.0337 ppm	3.4653 ppm	0.0006 ppm	23.1534 ppm
Concentration per Run 1	0.0064 ppm	12.6742 ppm	0.1100 ppm	0.0341 ppm	3.7375 ppm	0.0007 ppm	25.0485 ppm
Concentration per Run 2	0.0067 ppm	11.3925 ppm	0.1111 ppm	0.0338 ppm	3.3890 ppm	0.0006 ppm	22.5524 ppm
Concentration per Run 3	0.0064 ppm	11.0259 ppm	0.1116 ppm	0.0332 ppm	3.2695 ppm	0.0005 ppm	21.8593 ppm
Concentration RSD	2.4 %	7.4 %	0.8 %	1.4 %	7.0 %	9.4 %	7.2 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0005 ppm	0.0077 ppm	0.0264 ppm	0.2821 ppm	26.3588 ppm	4.1523 ppm	0.0164 ppm
Concentration per Run 1	0.0005 ppm	0.0080 ppm	0.0263 ppm	0.2831 ppm	28.5236 ppm	4.4897 ppm	0.0178 ppm
Concentration per Run 2	0.0006 ppm	0.0076 ppm	0.0268 ppm	0.2816 ppm	25.6561 ppm	4.0275 ppm	0.0169 ppm
Concentration per Run 3	0.0005 ppm	0.0076 ppm	0.0260 ppm	0.2817 ppm	24.8966 ppm	3.9397 ppm	0.0144 ppm
Concentration RSD	8.7 %	2.7 %	1.5 %	0.3 %	7.3 %	7.1 %	10.8 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	8.8134 ppm	0.4338 ppm	0.0058 ppm	3.3109 ppm	0.0206 ppm	7.3296 ppm	0.0093 ppm
Concentration per Run 1	8.8181 ppm	0.4702 ppm	0.0060 ppm	3.5819 ppm	0.0206 ppm	7.3677 ppm	0.0098 ppm
Concentration per Run 2	8.7919 ppm	0.4220 ppm	0.0057 ppm	3.2267 ppm	0.0205 ppm	7.2994 ppm	0.0090 ppm
Concentration per Run 3	8.8302 ppm	0.4093 ppm	0.0058 ppm	3.1242 ppm	0.0206 ppm	7.3217 ppm	0.0091 ppm
Concentration RSD	0.2 %	7.4 %	2.6 %	7.3 %	0.5 %	0.5 %	4.5 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0094 ppm	1.4964 ppm	0.2939 ppm	0.1260 ppm	0.5430 ppm	0.0134 ppm	0.0358 ppm
Concentration per Run 1	0.0106 ppm	1.5439 ppm	0.2957 ppm	0.1361 ppm	0.5440 ppm	0.0158 ppm	0.0358 ppm
Concentration per Run 2	0.0091 ppm	1.4819 ppm	0.2931 ppm	0.1227 ppm	0.5430 ppm	0.0130 ppm	0.0355 ppm
Concentration per Run 3	0.0085 ppm	1.4633 ppm	0.2929 ppm	0.1191 ppm	0.5421 ppm	0.0115 ppm	0.0359 ppm
Concentration RSD	11.2 %	2.8 %	0.5 %	7.1 %	0.2 %	16.3 %	0.6 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.2723 ppm	108.6445 %	107.8478 %	106.9660 %	103.0292 %	97.7238 %	102.7671 %
Concentration per Run 1	0.2734 ppm	101.6660 %	107.8471 %	107.1768 %	96.1137 %	97.6244 %	102.7808 %
Concentration per Run 2	0.2711 ppm	110.8361 %	107.9558 %	106.8425 %	105.2018 %	97.8224 %	103.0427 %
Concentration per Run 3	0.2725 ppm	113.4314 %	107.7406 %	106.8786 %	107.7721 %	97.7247 %	102.4777 %
Concentration RSD	0.4 %	5.7 %	0.1 %	0.2 %	5.9 %	0.1 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110801-3D2 WG2110801

Analysis started at: 9/8/2025 12:49:25 PM

Comments: <Comment>

Rack: 1

Vial: 30

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0573 ppm	16.9634 ppm	0.2809 ppm	0.9749 ppm	6.7582 ppm	0.0484 ppm	49.5910 ppm
Concentration per Run 1	0.0572 ppm	17.9468 ppm	0.2824 ppm	0.9793 ppm	7.1397 ppm	0.0512 ppm	52.3612 ppm
Concentration per Run 2	0.0571 ppm	16.6509 ppm	0.2822 ppm	0.9711 ppm	6.5899 ppm	0.0475 ppm	48.7274 ppm
Concentration per Run 3	0.0577 ppm	16.2926 ppm	0.2781 ppm	0.9744 ppm	6.5449 ppm	0.0465 ppm	47.6845 ppm
Concentration RSD	0.6 %	5.1 %	0.9 %	0.4 %	4.9 %	5.2 %	5.0 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0503 ppm	0.4657 ppm	0.2245 ppm	0.6664 ppm	41.6796 ppm	13.4427 ppm	0.0203 ppm
Concentration per Run 1	0.0504 ppm	0.4677 ppm	0.2247 ppm	0.6660 ppm	44.0649 ppm	14.1235 ppm	0.0221 ppm
Concentration per Run 2	0.0503 ppm	0.4642 ppm	0.2239 ppm	0.6657 ppm	40.9437 ppm	13.2127 ppm	0.0189 ppm
Concentration per Run 3	0.0502 ppm	0.4652 ppm	0.2251 ppm	0.6674 ppm	40.0301 ppm	12.9919 ppm	0.0199 ppm
Concentration RSD	0.2 %	0.4 %	0.3 %	0.1 %	5.1 %	4.5 %	7.9 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	26.2429 ppm	1.0317 ppm	0.9493 ppm	13.8547 ppm	0.4966 ppm	11.8091 ppm	0.2550 ppm
Concentration per Run 1	26.3338 ppm	1.0905 ppm	0.9528 ppm	14.6406 ppm	0.5002 ppm	11.8574 ppm	0.2562 ppm
Concentration per Run 2	26.1770 ppm	1.0137 ppm	0.9486 ppm	13.5939 ppm	0.4937 ppm	11.7776 ppm	0.2551 ppm
Concentration per Run 3	26.2178 ppm	0.9909 ppm	0.9486 ppm	13.3297 ppm	0.4957 ppm	11.7922 ppm	0.2538 ppm
Concentration RSD	0.3 %	5.1 %	0.3 %	5.0 %	0.7 %	0.4 %	0.5 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1176 ppm	3.6379 ppm	1.3579 [SIC 20]	1.1270 ppm	1.5673 ppm	0.1232 ppm	0.5348 ppm
Concentration per Run 1	0.1176 ppm	3.6792 ppm	1.3632 ppm	1.1909 ppm	1.5680 ppm	0.1236 ppm	0.5357 ppm
Concentration per Run 2	0.1169 ppm	3.6174 ppm	1.3567 ppm	1.1080 ppm	1.5655 ppm	0.1237 ppm	0.5340 ppm
Concentration per Run 3	0.1183 ppm	3.6170 ppm	1.3538 ppm	1.0820 ppm	1.5684 ppm	0.1224 ppm	0.5347 ppm
Concentration RSD	0.6 %	1.0 %	0.4 %	5.0 %	0.1 %	0.6 %	0.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.8637 ppm	110.1956 %	106.2744 %	105.2275 %	104.5395 %	95.3384 %
Concentration per Run 1	0.8671 ppm	106.0048 %	105.9347 %	105.2278 %	99.9509 %	95.0424 %
Concentration per Run 2	0.8620 ppm	111.7172 %	106.3510 %	105.2198 %	106.1423 %	95.5889 %
Concentration per Run 3	0.8621 ppm	112.8648 %	106.5375 %	105.2348 %	107.5253 %	95.3838 %
Concentration RSD	0.3 %	3.3 %	0.3 %	0.0 %	3.9 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110801-4D2 WG2110801

Analysis started at: 9/8/2025 12:55:34 PM

Comments: <Comment>

Rack: 1

Vial: 31

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0568 ppm	15.8727 ppm	0.2524 ppm	0.9971 ppm	7.2522 ppm	0.0492 ppm	43.5598 ppm
Concentration per Run 1	0.0570 ppm	16.8465 ppm	0.2542 ppm	0.9949 ppm	7.7519 ppm	0.0523 ppm	46.2623 ppm
Concentration per Run 2	0.0566 ppm	15.5475 ppm	0.2534 ppm	1.0004 ppm	7.0294 ppm	0.0481 ppm	42.6169 ppm
Concentration per Run 3	0.0569 ppm	15.2241 ppm	0.2497 ppm	0.9960 ppm	6.9754 ppm	0.0471 ppm	41.8002 ppm
Concentration RSD	0.3 %	5.4 %	1.0 %	0.3 %	6.0 %	5.6 %	5.5 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0519 ppm	0.4847 ppm	0.2271 ppm	0.6249 ppm	35.1209 ppm	13.0621 ppm	0.0177 ppm
Concentration per Run 1	0.0517 ppm	0.4828 ppm	0.2278 ppm	0.6232 ppm	37.2791 ppm	13.7843 ppm	0.0184 ppm
Concentration per Run 2	0.0521 ppm	0.4870 ppm	0.2265 ppm	0.6252 ppm	34.4068 ppm	12.8108 ppm	0.0174 ppm
Concentration per Run 3	0.0518 ppm	0.4844 ppm	0.2270 ppm	0.6262 ppm	33.6768 ppm	12.5910 ppm	0.0172 ppm
Concentration RSD	0.4 %	0.4 %	0.3 %	0.2 %	5.4 %	4.9 %	3.5 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	19.8962 ppm	0.9603 ppm	0.9836 ppm	13.7418 ppm	0.5153 ppm	10.5539 ppm	0.2682 ppm
Concentration per Run 1	19.9331 ppm	1.0194 ppm	0.9805 ppm	14.5868 ppm	0.5148 ppm	10.5216 ppm	0.2672 ppm
Concentration per Run 2	19.8853 ppm	0.9415 ppm	0.9871 ppm	13.4464 ppm	0.5165 ppm	10.5875 ppm	0.2684 ppm
Concentration per Run 3	19.8700 ppm	0.9201 ppm	0.9831 ppm	13.1923 ppm	0.5146 ppm	10.5527 ppm	0.2689 ppm
Concentration RSD	0.2 %	5.4 %	0.3 %	5.4 %	0.2 %	0.3 %	0.3 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1206 ppm	3.4950 ppm	1.3234 [SIC 20]	1.1421 ppm	1.6182 ppm	0.1249 ppm	0.5445 ppm
Concentration per Run 1	0.1225 ppm	3.4950 ppm	1.3213 ppm	1.2087 ppm	1.6185 ppm	0.1264 ppm	0.5443 ppm
Concentration per Run 2	0.1230 ppm	3.5078 ppm	1.3266 ppm	1.1208 ppm	1.6191 ppm	0.1259 ppm	0.5440 ppm
Concentration per Run 3	0.1163 ppm	3.4821 ppm	1.3225 ppm	1.0969 ppm	1.6170 ppm	0.1223 ppm	0.5451 ppm
Concentration RSD	3.1 %	0.4 %	0.2 %	5.2 %	0.1 %	1.8 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.8658 ppm	109.0677 %	106.5406 %	105.5373 %	103.7133 %	95.8055 %	101.0694 %
Concentration per Run 1	0.8637 ppm	103.5333 %	106.3020 %	105.5178 %	98.0224 %	96.0279 %	100.8166 %
Concentration per Run 2	0.8681 ppm	111.2677 %	106.7152 %	105.5592 %	105.9082 %	95.5925 %	101.0410 %
Concentration per Run 3	0.8657 ppm	112.4023 %	106.6048 %	105.5349 %	107.2094 %	95.7960 %	101.3506 %
Concentration RSD	0.3 %	4.4 %	0.2 %	0.0 %	4.8 %	0.2 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110801-5D2 WG2110801

Analysis started at: 9/8/2025 1:01:44 PM

Comments: <Comment>

Rack: 1

Vial: 32

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0551 ppm	13.0784 ppm	0.2310 ppm	1.0406 ppm	5.2466 ppm	0.0513 ppm	31.7789 ppm
Concentration per Run 1	0.0551 ppm	13.9036 ppm	0.2325 ppm	1.0472 ppm	5.5794 ppm	0.0546 ppm	33.8311 ppm
Concentration per Run 2	0.0553 ppm	12.8407 ppm	0.2308 ppm	1.0372 ppm	5.1224 ppm	0.0505 ppm	31.1684 ppm
Concentration per Run 3	0.0549 ppm	12.4909 ppm	0.2298 ppm	1.0374 ppm	5.0380 ppm	0.0489 ppm	30.3371 ppm
Concentration RSD	0.4 %	5.6 %	0.6 %	0.5 %	5.6 %	5.7 %	5.7 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0533 ppm	0.5022 ppm	0.2274 ppm	0.5278 ppm	25.5958 ppm	13.9068 ppm	0.0147 ppm
Concentration per Run 1	0.0536 ppm	0.5042 ppm	0.2267 ppm	0.5293 ppm	27.2231 ppm	14.7136 ppm	0.0166 ppm
Concentration per Run 2	0.0531 ppm	0.5014 ppm	0.2273 ppm	0.5272 ppm	25.0941 ppm	13.6260 ppm	0.0143 ppm
Concentration per Run 3	0.0531 ppm	0.5009 ppm	0.2281 ppm	0.5269 ppm	24.4700 ppm	13.3808 ppm	0.0132 ppm
Concentration RSD	0.5 %	0.4 %	0.3 %	0.2 %	5.6 %	5.1 %	11.8 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	19.0279 ppm	0.8989 ppm	1.0285 ppm	13.8945 ppm	0.5295 ppm	7.5406 ppm	0.5106 ppm
Concentration per Run 1	19.0091 ppm	0.9556 ppm	1.0335 ppm	14.7900 ppm	0.5315 ppm	7.5787 ppm	0.5121 ppm
Concentration per Run 2	18.9916 ppm	0.8842 ppm	1.0275 ppm	13.6358 ppm	0.5300 ppm	7.5244 ppm	0.5090 ppm
Concentration per Run 3	19.0832 ppm	0.8569 ppm	1.0247 ppm	13.2577 ppm	0.5271 ppm	7.5187 ppm	0.5106 ppm
Concentration RSD	0.3 %	5.7 %	0.4 %	5.7 %	0.4 %	0.4 %	0.3 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.1313 ppm	2.5204 ppm	1.2889 [SIC 20]	1.1303 ppm	1.5802 ppm	0.1289 ppm	0.5573 ppm
Concentration per Run 1	0.1328 ppm	2.5370 ppm	1.2954 ppm	1.2003 ppm	1.5806 ppm	0.1332 ppm	0.5573 ppm
Concentration per Run 2	0.1283 ppm	2.5144 ppm	1.2853 ppm	1.1084 ppm	1.5783 ppm	0.1274 ppm	0.5572 ppm
Concentration per Run 3	0.1328 ppm	2.5098 ppm	1.2860 ppm	1.0822 ppm	1.5817 ppm	0.1261 ppm	0.5573 ppm
Concentration RSD	2.0 %	0.6 %	0.4 %	5.5 %	0.1 %	3.0 %	0.0 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.7567 ppm	107.7284 ppm	106.4487 ppm	105.8867 ppm	102.3923 ppm	96.7300 ppm	101.0657 ppm
Concentration per Run 1	0.7603 ppm	101.9213 ppm	106.4407 ppm	105.3842 ppm	96.4188 ppm	96.3395 ppm	101.0606 ppm
Concentration per Run 2	0.7552 ppm	109.7075 ppm	106.2401 ppm	106.0243 ppm	104.1839 ppm	96.8630 ppm	101.0093 ppm
Concentration per Run 3	0.7548 ppm	111.5564 ppm	106.6652 ppm	106.2517 ppm	106.5741 ppm	96.9875 ppm	101.1271 ppm
Concentration RSD	0.4 %	4.7 %	0.2 %	0.4 %	5.2 %	0.4 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110801-6D10 WG2110801

Analysis started at: 9/8/2025 1:07:54 PM

Comments: <Comment>

Rack: 1

Vial: 33

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0011 ppm	2.3106 ppm	0.0202 ppm	0.0107 ppm	0.6777 ppm	0.0001 ppm	4.6057 ppm
Concentration per Run 1	0.0011 ppm	2.5045 ppm	0.0207 ppm	0.0110 ppm	0.7338 ppm	0.0001 ppm	4.9932 ppm
Concentration per Run 2	0.0011 ppm	2.2650 ppm	0.0202 ppm	0.0104 ppm	0.6621 ppm	0.0001 ppm	4.5079 ppm
Concentration per Run 3	0.0012 ppm	2.1624 ppm	0.0198 ppm	0.0107 ppm	0.6373 ppm	0.0001 ppm	4.3161 ppm
Concentration RSD	5.3 %	7.6 %	2.3 %	2.5 %	7.4 %	14.3 %	7.6 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0001 ppm	0.0016 ppm	0.0054 ppm	0.0557 ppm	5.2038 ppm	0.8477 ppm	0.0034 ppm
Concentration per Run 1	0.0001 ppm	0.0016 ppm	0.0055 ppm	0.0555 ppm	5.6418 ppm	0.9089 ppm	0.0041 ppm
Concentration per Run 2	0.0001 ppm	0.0016 ppm	0.0055 ppm	0.0558 ppm	5.0923 ppm	0.8464 ppm	0.0026 ppm
Concentration per Run 3	0.0001 ppm	0.0017 ppm	0.0052 ppm	0.0557 ppm	4.8774 ppm	0.7877 ppm	0.0036 ppm
Concentration RSD	7.3 %	3.2 %	3.8 %	0.3 %	7.6 %	7.1 %	23.2 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	1.7872 ppm	0.0865 ppm	0.0023 ppm	0.6872 ppm	0.0041 ppm	1.4804 ppm	0.0029 ppm
Concentration per Run 1	1.7893 ppm	0.0936 ppm	0.0025 ppm	0.7397 ppm	0.0043 ppm	1.4815 ppm	0.0031 ppm
Concentration per Run 2	1.7860 ppm	0.0846 ppm	0.0023 ppm	0.6722 ppm	0.0042 ppm	1.4770 ppm	0.0038 ppm
Concentration per Run 3	1.7863 ppm	0.0814 ppm	0.0021 ppm	0.6498 ppm	0.0039 ppm	1.4827 ppm	0.0017 ppm
Concentration RSD	0.1 %	7.3 %	7.8 %	6.8 %	4.1 %	0.2 %	36.4 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0030 ppm	0.3116 ppm	0.0581 ppm	0.0251 ppm	0.1075 ppm	0.0015 ppm	0.0071 ppm
Concentration per Run 1	0.0015 ppm	0.3117 ppm	0.0576 ppm	0.0273 ppm	0.1076 ppm	0.0016 ppm	0.0072 ppm
Concentration per Run 2	0.0025 ppm	0.3118 ppm	0.0583 ppm	0.0245 ppm	0.1076 ppm	0.0012 ppm	0.0070 ppm
Concentration per Run 3	0.0048 ppm	0.3113 ppm	0.0583 ppm	0.0235 ppm	0.1074 ppm	0.0017 ppm	0.0070 ppm
Concentration RSD	57.9 %	0.1 %	0.7 %	7.9 %	0.1 %	17.3 %	1.4 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0540 ppm	103.0328 %	106.2918 %	105.0461 %	100.7936 %	101.3791 %	103.9138 %
Concentration per Run 1	0.0539 ppm	95.4418 %	106.3215 %	105.0845 %	93.2480 %	101.2949 %	103.8493 %
Concentration per Run 2	0.0538 ppm	105.0987 %	106.3732 %	105.1338 %	102.6592 %	101.6095 %	103.9735 %
Concentration per Run 3	0.0543 ppm	108.5578 %	106.1808 %	104.9200 %	106.4736 %	101.2330 %	103.9186 %
Concentration RSD	0.5 %	6.6 %	0.1 %	0.1 %	6.8 %	0.2 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2554567-08D2 WG2110801

Analysis started at: 9/8/2025 1:14:09 PM

Comments <Comment>

Rack: 1

Vial: 34

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0004 ppm	40.7439 ppm	0.0792 ppm	0.0182 ppm	0.4260 ppm	0.0049 ppm	453.6365 ppm
Concentration per Run 1	0.0004 ppm	42.9434 ppm	0.0788 ppm	0.0180 ppm	0.4487 ppm	0.0052 ppm	479.0145 ppm
Concentration per Run 2	0.0003 ppm	40.1624 ppm	0.0786 ppm	0.0184 ppm	0.4201 ppm	0.0049 ppm	447.4376 ppm
Concentration per Run 3	0.0006 ppm	39.1258 ppm	0.0801 ppm	0.0180 ppm	0.4092 ppm	0.0048 ppm	434.4575 ppm
Concentration RSD	29.0 %	4.8 %	1.0 %	1.3 %	4.8 %	4.1 %	5.1 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	-0.0007 ppm	0.0675 ppm	0.0885 ppm	0.3352 ppm	126.9014 ppm	3.6376 ppm	0.0976 ppm
Concentration per Run 1	-0.0008 ppm	0.0674 ppm	0.0884 ppm	0.3350 ppm	133.7830 ppm	3.7992 ppm	0.1034 ppm
Concentration per Run 2	-0.0006 ppm	0.0674 ppm	0.0884 ppm	0.3353 ppm	125.0703 ppm	3.6081 ppm	0.0965 ppm
Concentration per Run 3	-0.0006 ppm	0.0677 ppm	0.0887 ppm	0.3353 ppm	121.8507 ppm	3.5056 ppm	0.0930 ppm
Concentration RSD	17.8 %	0.3 %	0.2 %	0.0 %	4.9 %	4.1 %	5.4 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	272.4307 ppm	4.0684 ppm	0.0057 ppm	0.6835 ppm	0.1196 ppm	0.7348 ppm	0.0013 ppm
Concentration per Run 1	272.0972 ppm	4.2885 ppm	0.0056 ppm	0.7165 ppm	0.1204 ppm	0.7370 ppm	0.0009 ppm
Concentration per Run 2	272.8787 ppm	4.0124 ppm	0.0056 ppm	0.6726 ppm	0.1191 ppm	0.7346 ppm	0.0019 ppm
Concentration per Run 3	272.3164 ppm	3.9043 ppm	0.0058 ppm	0.6614 ppm	0.1193 ppm	0.7327 ppm	0.0011 ppm
Concentration RSD	0.1 %	4.9 %	1.8 %	4.3 %	0.6 %	0.3 %	41.3 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0033 ppm	1.5982 ppm	0.0272 ppm	0.2702 ppm	0.5972 ppm	0.0126 ppm	0.1378 ppm
Concentration per Run 1	-0.0058 ppm	1.6041 ppm	0.0270 ppm	0.2849 ppm	0.5966 ppm	0.0144 ppm	0.1379 ppm
Concentration per Run 2	-0.0041 ppm	1.5972 ppm	0.0273 ppm	0.2660 ppm	0.5981 ppm	0.0109 ppm	0.1371 ppm
Concentration per Run 3	0.0000 ppm	1.5935 ppm	0.0273 ppm	0.2598 ppm	0.5971 ppm	0.0126 ppm	0.1384 ppm
Concentration RSD	89.9 %	0.3 %	0.6 %	4.8 %	0.1 %	14.1 %	0.5 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	1.2055 ppm	123.0535 %	113.8307 %	110.7795 %	102.8851 %	80.9357 %	94.8174 %
Concentration per Run 1	1.2040 ppm	118.1634 %	113.6807 %	110.7306 %	98.1968 %	80.8916 %	94.8105 %
Concentration per Run 2	1.2075 ppm	124.2599 %	114.0757 %	110.6908 %	103.8826 %	80.8902 %	94.9302 %
Concentration per Run 3	1.2049 ppm	126.7371 %	113.7357 %	110.9171 %	106.5759 %	81.0253 %	94.7115 %
Concentration RSD	0.2 %	3.6 %	0.2 %	0.1 %	4.2 %	0.1 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

CCV

Sample: 9/8/2025 1:21:07 PM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.4885 ppm	0.5168 ppm	0.4940 ppm	0.5064 ppm	0.5277 ppm	0.5245 ppm	0.5338 ppm
Concentration per Run 1	0.4896 ppm	0.5097 ppm	0.4955 ppm	0.5066 ppm	0.5749 ppm	0.5721 ppm	0.6162 ppm
Concentration per Run 2	0.4876 ppm	0.5064 ppm	0.4933 ppm	0.5060 ppm	0.5140 ppm	0.5111 ppm	0.5409 ppm
Concentration per Run 3	0.4883 ppm	0.4843 ppm	0.4933 ppm	0.5065 ppm	0.4941 ppm	0.4902 ppm	0.5044 ppm
Recovery Percentage 1	97.696 %	103.362 %	98.805 %	101.278 %	105.535 %	104.897 %	110.770 %
Concentration RSD	0.2 %	7.5 %	0.3 %	0.1 %	8.0 %	8.1 %	10.3 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.4987 ppm	0.5100 ppm	0.5119 ppm	0.5163 ppm	0.5229 ppm	5.3847 ppm	0.5348 ppm
Concentration per Run 1	0.4994 ppm	0.5099 ppm	0.5121 ppm	0.5163 ppm	0.5717 ppm	5.8931 ppm	0.5828 ppm
Concentration per Run 2	0.4980 ppm	0.5095 ppm	0.5121 ppm	0.5167 ppm	0.5114 ppm	5.1934 ppm	0.5209 ppm
Concentration per Run 3	0.4986 ppm	0.5107 ppm	0.5116 ppm	0.5159 ppm	0.4856 ppm	5.0675 ppm	0.5006 ppm
Recovery Percentage 1	99.735 %	102.003 %	102.380 %	103.258 %	104.579 %	107.693 %	106.953 %
Concentration RSD	0.1 %	0.1 %	0.1 %	0.1 %	8.5 %	8.3 %	8.0 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.5328 ppm	0.5215 ppm	0.5115 ppm	10.8180 ppm	0.5229 ppm	0.5242 ppm	0.5214 ppm
Concentration per Run 1	0.5302 ppm	0.5686 ppm	0.5107 ppm	11.7833 ppm	0.5229 ppm	0.5236 ppm	0.5213 ppm
Concentration per Run 2	0.5341 ppm	0.5074 ppm	0.5111 ppm	10.5498 ppm	0.5226 ppm	0.5238 ppm	0.5216 ppm
Concentration per Run 3	0.5342 ppm	0.4885 ppm	0.5128 ppm	10.1208 ppm	0.5232 ppm	0.5253 ppm	0.5212 ppm
Recovery Percentage 1	106.568 %	104.306 %	102.306 %	108.180 %	104.581 %	104.847 %	104.272 %
Concentration RSD	0.4 %	8.0 %	0.2 %	8.0 %	0.1 %	0.2 %	0.0 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.5071 ppm	5.5200 ppm	0.5165 ppm	0.5236 ppm	0.5181 ppm	0.5212 ppm	0.5222 ppm
Concentration per Run 1	0.5073 ppm	5.5196 ppm	0.5175 ppm	0.5705 ppm	0.5184 ppm	0.5224 ppm	0.5224 ppm
Concentration per Run 2	0.5064 ppm	5.5176 ppm	0.5147 ppm	0.5100 ppm	0.5179 ppm	0.5206 ppm	0.5226 ppm
Concentration per Run 3	0.5076 ppm	5.5228 ppm	0.5172 ppm	0.4902 ppm	0.5181 ppm	0.5205 ppm	0.5218 ppm
Recovery Percentage 1	101.421 %	105.143 %	103.296 %	104.714 %	103.627 %	104.231 %	104.448 %
Concentration RSD	0.1 %	0.0 %	0.3 %	8.0 %	0.1 %	0.2 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5048 ppm	101.2043 %	103.7906 %	102.7781 %	100.0822 %	99.2023 %	102.8979 %
Concentration per Run 1	0.5056 ppm	92.9417 %	103.5376 %	102.8321 %	92.0643 %	99.2017 %	102.8394 %
Concentration per Run 2	0.5038 ppm	103.8009 %	104.0110 %	102.7926 %	102.0425 %	99.3195 %	102.9042 %
Concentration per Run 3	0.5049 ppm	106.8703 %	103.8232 %	102.7096 %	106.1399 %	99.0857 %	102.9501 %
Recovery Percentage 1	100.953 %						
Concentration RSD	0.2 %	7.2 %	0.2 %	0.1 %	7.2 %	0.1 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: CCB
Analysis started at: 9/8/2025 1:27:10 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0002 ppm	-0.0071 ppm	-0.0007 ppm	0.0031 ppm	0.0000 ppm	0.0002 ppm	0.0037 ppm
Concentration per Run 1	0.0001 ppm	-0.0062 ppm	-0.0011 ppm	0.0030 ppm	0.0001 ppm	0.0002 ppm	0.0077 ppm
Concentration per Run 2	-0.0002 ppm	-0.0088 ppm	-0.0008 ppm	0.0031 ppm	0.0000 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 3	-0.0004 ppm	-0.0063 ppm	0.0000 ppm	0.0031 ppm	0.0000 ppm	0.0001 ppm	0.0015 ppm
Recovery Percentage 1	-2.692 %	-7.098 %	-13.159 %	10.216 %	0.193 %	3.116 %	3.702 %
Concentration RSD	136.4 %	20.6 %	86.2 %	2.2 %	185.0 %	20.4 %	94.1 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	-0.0015 ppm	0.0200 ppm	0.0008 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0292 ppm	0.0013 ppm
Concentration per Run 2	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0015 ppm	0.0232 ppm	0.0008 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0003 ppm	-0.0029 ppm	0.0076 ppm	0.0003 ppm
Recovery Percentage 1	1.764 %	0.483 %	2.135 %	-1.245 %	-2.917 %	0.800 %	8.189 %
Concentration RSD	17.8 %	70.6 %	81.5 %	132.2 %	97.1 %	55.8 %	58.8 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	-0.0009 ppm	0.0004 ppm	0.0007 ppm	0.0566 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 1	-0.0013 ppm	0.0003 ppm	0.0008 ppm	0.0620 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run 2	-0.0008 ppm	0.0006 ppm	0.0007 ppm	0.0524 ppm	0.0001 ppm	0.0006 ppm	-0.0009 ppm
Concentration per Run 3	-0.0005 ppm	0.0004 ppm	0.0006 ppm	0.0553 ppm	0.0002 ppm	0.0005 ppm	0.0005 ppm
Recovery Percentage 1	-0.859 %	4.253 %	1.402 %	2.829 %	0.548 %	3.854 %	0.049 %
Concentration RSD	45.3 %	30.6 %	15.2 %	8.7 %	34.6 %	68.6 %	3.275.5 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0005 ppm	-0.0034 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0031 ppm	0.0008 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 2	-0.0004 ppm	-0.0038 ppm	-0.0006 ppm	0.0001 ppm	-0.0002 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 3	-0.0012 ppm	-0.0033 ppm	-0.0004 ppm	0.0002 ppm	-0.0002 ppm	0.0003 ppm	0.0002 ppm
Recovery Percentage 1	-5.341 %	-0.674 %	-0.139 %	1.204 %	-1.548 %	2.783 %	1.564 %
Concentration RSD	109.3 %	10.9 %	1.033.2 %	36.7 %	34.7 %	88.0 %	43.2 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0002 ppm	102.0916 %	105.6988 %	103.7500 %	99.5360 %	101.8294 %	103.4324 %
Concentration per Run 1	-0.0002 ppm	95.8915 %	105.7319 %	104.0091 %	93.4202 %	102.0498 %	103.4115 %
Concentration per Run 2	-0.0002 ppm	102.9243 %	105.9116 %	103.5396 %	100.3834 %	101.9998 %	103.5404 %
Concentration per Run 3	-0.0002 ppm	107.4588 %	105.4528 %	103.7013 %	104.8044 %	101.4386 %	103.3454 %
Recovery Percentage 1	-4.257 %						
Concentration RSD	14.5 %	5.7 %	0.2 %	0.2 %	5.8 %	0.3 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: CCV

Analysis started at: 9/8/2025 1:46:14 PM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.4884 ppm	0.5184 ppm	0.4944 ppm	0.5043 ppm	0.5308 ppm	0.5313 ppm	0.5249 ppm
Concentration per Run 1	0.4888 ppm	0.5565 ppm	0.4934 ppm	0.5055 ppm	0.5668 ppm	0.5678 ppm	0.5626 ppm
Concentration per Run 2	0.4882 ppm	0.5185 ppm	0.4949 ppm	0.5027 ppm	0.5300 ppm	0.5304 ppm	0.5263 ppm
Concentration per Run 3	0.4884 ppm	0.4801 ppm	0.4950 ppm	0.5047 ppm	0.4957 ppm	0.4956 ppm	0.4858 ppm
Recovery Percentage 1	97.690 %	103.676 %	98.887 %	100.859 %	106.164 %	106.257 %	104.979 %
Concentration RSD	0.1 %	7.4 %	0.2 %	0.3 %	6.7 %	6.8 %	7.3 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.4973 ppm	0.5085 ppm	0.5097 ppm	0.5153 ppm	0.5087 ppm	5.3872 ppm	0.5410 ppm
Concentration per Run 1	0.4981 ppm	0.5091 ppm	0.5116 ppm	0.5155 ppm	0.5424 ppm	5.7372 ppm	0.5785 ppm
Concentration per Run 2	0.4988 ppm	0.5071 ppm	0.5094 ppm	0.5151 ppm	0.5071 ppm	5.3909 ppm	0.5399 ppm
Concentration per Run 3	0.4980 ppm	0.5094 ppm	0.5083 ppm	0.5153 ppm	0.4766 ppm	5.0336 ppm	0.5047 ppm
Recovery Percentage 1	99.463 %	101.703 %	101.948 %	103.059 %	101.737 %	107.744 %	108.208 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.0 %	6.5 %	6.5 %	6.8 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.5282 ppm	0.5273 ppm	0.5133 ppm	10.9632 ppm	0.5234 ppm	0.5237 ppm	0.5182 ppm
Concentration per Run 1	0.5310 ppm	0.5637 ppm	0.5137 ppm	11.6959 ppm	0.5246 ppm	0.5239 ppm	0.5190 ppm
Concentration per Run 2	0.5251 ppm	0.5269 ppm	0.5108 ppm	10.9469 ppm	0.5212 ppm	0.5235 ppm	0.5139 ppm
Concentration per Run 3	0.5285 ppm	0.4915 ppm	0.5153 ppm	10.2467 ppm	0.5244 ppm	0.5237 ppm	0.5217 ppm
Recovery Percentage 1	105.641 %	105.468 %	102.653 %	109.632 %	104.687 %	104.741 %	103.638 %
Concentration RSD	0.6 %	6.8 %	0.4 %	6.6 %	0.4 %	0.0 %	0.8 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.5084 ppm	5.5224 ppm	0.5173 ppm	0.5263 ppm	0.5183 ppm	0.5181 ppm	0.5225 ppm
Concentration per Run 1	0.5081 ppm	5.5330 ppm	0.5173 ppm	0.5615 ppm	0.5196 ppm	0.5179 ppm	0.5234 ppm
Concentration per Run 2	0.5080 ppm	5.4977 ppm	0.5175 ppm	0.5254 ppm	0.5173 ppm	0.5172 ppm	0.5224 ppm
Concentration per Run 3	0.5091 ppm	5.5365 ppm	0.5171 ppm	0.4921 ppm	0.5180 ppm	0.5192 ppm	0.5218 ppm
Recovery Percentage 1	101.680 %	105.189 %	103.454 %	105.266 %	103.662 %	103.620 %	104.504 %
Concentration RSD	0.1 %	0.4 %	0.0 %	6.6 %	0.2 %	0.2 %	0.2 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.5044 ppm	99.7604 %	103.9146 %	103.3608 %	98.1336 %	99.3563 %	102.8442 %
Concentration per Run 1	0.5052 ppm	93.9397 %	103.8924 %	103.1448 %	92.4584 %	99.2154 %	102.6449 %
Concentration per Run 2	0.5031 ppm	99.8362 %	103.8836 %	103.5179 %	98.1548 %	99.7769 %	102.8518 %
Concentration per Run 3	0.5049 ppm	105.5053 %	103.9679 %	103.4196 %	103.7877 %	99.0765 %	103.0360 %
Recovery Percentage 1	100.875 %						
Concentration RSD	0.2 %	5.8 %	0.0 %	0.2 %	5.8 %	0.4 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: CCB
Analysis started at: 9/8/2025 1:52:17 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0001 ppm	-0.0040 ppm	-0.0017 ppm	0.0024 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	-0.0002 ppm	-0.0031 ppm	-0.0036 ppm	0.0023 ppm	-0.0001 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 2	0.0001 ppm	-0.0054 ppm	-0.0008 ppm	0.0022 ppm	-0.0001 ppm	0.0000 ppm	-0.0019 ppm
Concentration per Run 3	-0.0001 ppm	-0.0036 ppm	-0.0007 ppm	0.0026 ppm	-0.0002 ppm	0.0000 ppm	0.0040 ppm
Recovery Percentage 1	-0.994 %	-4.034 %	-34.112 %	7.976 %	-1.553 %	0.856 %	0.335 %
Concentration RSD	218.6 %	29.6 %	98.2 %	8.0 %	24.8 %	89.5 %	948.9 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	-0.0035 ppm	0.0170 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm	-0.0035 ppm	-0.0021 ppm	-0.0004 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0027 ppm	0.0418 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	-0.0043 ppm	0.0112 ppm	-0.0001 ppm
Recovery Percentage 1	1.301 %	0.078 %	3.157 %	-1.354 %	-7.001 %	0.679 %	1.165 %
Concentration RSD	33.1 %	256.6 %	59.5 %	46.9 %	23.0 %	132.6 %	615.6 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	-0.0016 ppm	0.0002 ppm	0.0007 ppm	0.0455 ppm	0.0002 ppm	-0.0002 ppm	-0.0004 ppm
Concentration per Run 1	-0.0017 ppm	0.0002 ppm	0.0009 ppm	0.0441 ppm	0.0002 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run 2	-0.0025 ppm	0.0002 ppm	0.0006 ppm	0.0466 ppm	0.0001 ppm	-0.0006 ppm	-0.0011 ppm
Concentration per Run 3	-0.0006 ppm	0.0002 ppm	0.0005 ppm	0.0489 ppm	0.0003 ppm	-0.0006 ppm	-0.0005 ppm
Recovery Percentage 1	-1.581 %	2.001 %	1.336 %	2.327 %	0.913 %	-2.233 %	-0.765 %
Concentration RSD	57.4 %	17.3 %	33.3 %	5.1 %	39.5 %	283.8 %	207.2 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0018 ppm	-0.0039 ppm	-0.0005 ppm	0.0001 ppm	-0.0003 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run 1	0.0011 ppm	-0.0038 ppm	-0.0005 ppm	0.0001 ppm	-0.0002 ppm	0.0021 ppm	0.0002 ppm
Concentration per Run 2	0.0029 ppm	-0.0038 ppm	-0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 3	0.0015 ppm	-0.0041 ppm	-0.0008 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0002 ppm
Recovery Percentage 1	18.290 %	-0.785 %	-0.936 %	0.779 %	-3.363 %	4.810 %	1.724 %
Concentration RSD	52.7 %	4.7 %	72.6 %	32.0 %	39.8 %	106.4 %	12.7 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0003 ppm	105.3719 %	105.7773 %	104.0576 %	102.4789 %	101.8726 %	103.3415 %
Concentration per Run 1	-0.0001 ppm	99.7326 %	105.7983 %	104.1512 %	96.6104 %	101.8970 %	103.3648 %
Concentration per Run 2	-0.0004 ppm	107.9086 %	105.5015 %	104.1813 %	105.1391 %	101.8222 %	103.1979 %
Concentration per Run 3	-0.0002 ppm	108.4743 %	106.0320 %	103.8401 %	105.6873 %	101.8986 %	103.4619 %
Recovery Percentage 1	-5.018 %						
Concentration RSD	56.2 %	4.6 %	0.3 %	0.2 %	5.0 %	0.0 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: I2554343-03 WG2109670

Analysis started at: 9/8/2025 2:19:30 PM

Comments: <Comment>

Rack: 1

Vial: 35

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0000 ppm	0.0022 ppm	-0.0013 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run 1	-0.0003 ppm	0.0009 ppm	-0.0010 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	0.0076 ppm
Concentration per Run 2	0.0001 ppm	0.0008 ppm	-0.0015 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run 3	0.0002 ppm	-0.0010 ppm	-0.0015 ppm	0.0015 ppm	-0.0001 ppm	0.0000 ppm	0.0031 ppm
Recovery Percentage 1	-0.334 %	2.237 %	-26.924 %	4.416 %	-0.915 %	-0.652 %	5.848 %
Concentration RSD	1.209.1 %	187.0 %	21.7 %	12.8 %	37.5 %	68.1 %	41.3 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	-0.0032 ppm	0.0078 ppm	-0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0003 ppm	-0.0042 ppm	0.0188 ppm	-0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0023 ppm	0.0085 ppm	-0.0008 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0005 ppm	-0.0031 ppm	-0.0038 ppm	-0.0001 ppm
Recovery Percentage 1	0.596 %	-0.196 %	372.9 %	3.164 %	-6.344 %	0.313 %	-5.882 %
Concentration RSD	68.4 %		97.3 %	58.9 %	29.7 %	144.8 %	64.7 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.0012 ppm	0.0002 ppm	-0.0005 ppm	0.0340 ppm	-0.0001 ppm	0.0009 ppm	-0.0010 ppm
Concentration per Run 1	-0.0005 ppm	-0.0001 ppm	-0.0004 ppm	0.0348 ppm	-0.0003 ppm	0.0009 ppm	-0.0023 ppm
Concentration per Run 2	0.0011 ppm	0.0002 ppm	-0.0004 ppm	0.0299 ppm	-0.0001 ppm	0.0008 ppm	-0.0013 ppm
Concentration per Run 3	0.0030 ppm	0.0004 ppm	-0.0007 ppm	0.0372 ppm	0.0002 ppm	0.0008 ppm	0.0007 ppm
Recovery Percentage 1	1.180 %	1.799 %	-0.980 %	1.698 %	-0.215 %	8.672 %	-1.979 %
Concentration RSD	151.0 %	139.5 %	34.1 %	11.0 %	461.3 %	7.7 %	151.4 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0001 ppm	0.0194 ppm	0.0194 ppm	-0.0001 ppm	-0.0005 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 1	-0.0022 ppm	0.0193 ppm	0.0193 ppm	-0.0016 ppm	-0.0003 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 2	0.0013 ppm	0.0198 ppm	0.0198 ppm	-0.0014 ppm	-0.0006 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run 3	0.0007 ppm	0.0193 ppm	0.0193 ppm	-0.0009 ppm	-0.0005 ppm	0.0018 ppm	-0.0001 ppm
Recovery Percentage 1	-0.506 %	3.887 %	3.887 %	-2.543 %	-4.711 %	6.532 %	0.896 %
Concentration RSD	3.673.6 %	1.5 %	1.5 %	27.2 %	30.3 %	46.3 %	230.7 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0002 ppm	103.5861 %	107.0602 %	105.4400 %	100.2275 %	103.4794 %	104.5147 %
Concentration per Run 1	-0.0001 ppm	95.4319 %	107.2768 %	105.5679 %	91.8434 %	103.5469 %	104.8075 %
Concentration per Run 2	-0.0002 ppm	106.5553 %	107.2104 %	105.4811 %	102.8542 %	103.4333 %	104.5423 %
Concentration per Run 3	-0.0003 ppm	108.7711 %	106.6933 %	105.2709 %	105.9848 %	103.4581 %	104.1943 %
Recovery Percentage 1	-3.928 %						
Concentration RSD	39.5 %	6.9 %	0.3 %	0.1 %	7.4 %	0.1 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: I2554427-05 WG2109670

Analysis started at: 9/8/2025 2:25:52 PM

Comments: <Comment>

Rack: 1

Vial: 36

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0002 ppm	0.0006 ppm	-0.0003 ppm	0.0029 ppm	0.0001 ppm	0.0000 ppm	0.0574 ppm
Concentration per Run 1	-0.0002 ppm	0.0005 ppm	-0.0001 ppm	0.0031 ppm	0.0001 ppm	0.0000 ppm	0.0658 ppm
Concentration per Run 2	-0.0001 ppm	0.0026 ppm	0.0001 ppm	0.0029 ppm	0.0001 ppm	0.0000 ppm	0.0577 ppm
Concentration per Run 3	-0.0001 ppm	-0.0065 ppm	-0.0010 ppm	0.0026 ppm	0.0001 ppm	0.0000 ppm	0.0485 ppm
Recovery Percentage 1	-2.180 %	0.553 %	-6.141 %	9.541 %	1.040 %	-0.683 %	57.354 %
Concentration RSD	46.5 %	1.1378 %	189.8 %	7.9 %	41.6 %	46.7 %	15.0 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0027 ppm	0.0113 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0036 ppm	0.0050 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0013 ppm	0.0047 ppm	0.0004 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0031 ppm	0.0244 ppm	0.0010 ppm
Recovery Percentage 1	-0.468 %	0.187 %	0.801 %	0.740 %	-5.317 %	0.454 %	2.401 %
Concentration RSD	280.1 %	340.8 %	8.4 %	212.4 %	44.4 %	99.4 %	357.2 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.0082 ppm	0.0006 ppm	-0.0005 ppm	0.4593 ppm	-0.0001 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0066 ppm	0.0006 ppm	-0.0005 ppm	0.5118 ppm	-0.0002 ppm	-0.0001 ppm	-0.0003 ppm
Concentration per Run 2	0.0078 ppm	0.0005 ppm	-0.0005 ppm	0.4419 ppm	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run 3	0.0102 ppm	0.0007 ppm	-0.0005 ppm	0.4242 ppm	0.0000 ppm	0.0014 ppm	0.0005 ppm
Recovery Percentage 1	8.172 %	6.024 %	-0.996 %	22.964 %	-0.493 %	3.350 %	-0.006 %
Concentration RSD	22.3 %	21.2 %	9.1 %	10.1 %	72.3 %	274.1 %	14.024.0 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0006 ppm	0.0950 ppm	0.0060 ppm	0.0002 ppm	-0.0003 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 1	-0.0005 ppm	0.0954 ppm	0.0059 ppm	0.0004 ppm	-0.0003 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 2	0.0017 ppm	0.0951 ppm	0.0055 ppm	0.0001 ppm	-0.0002 ppm	0.0021 ppm	0.0001 ppm
Concentration per Run 3	0.0006 ppm	0.0945 ppm	0.0058 ppm	0.0002 ppm	-0.0003 ppm	0.0012 ppm	0.0000 ppm
Recovery Percentage 1	5.913 %	19.003 %	12.087 %	2.296 %	-2.890 %	6.023 %	-0.064 %
Concentration RSD	180.6 %	0.5 %	6.8 %	64.2 %	22.9 %	74.4 %	1.659.0 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0013 ppm	101.8401 %	106.7999 %	105.2704 %	99.1198 %	103.8937 %	105.2747 %
Concentration per Run 1	0.0012 ppm	92.7991 %	107.0120 %	105.3839 %	89.1544 %	104.0491 %	105.4586 %
Concentration per Run 2	0.0013 ppm	104.6726 %	106.8214 %	105.0883 %	102.0080 %	103.8055 %	105.4122 %
Concentration per Run 3	0.0012 ppm	108.0487 %	106.5662 %	105.3390 %	106.1968 %	103.8264 %	104.9532 %
Recovery Percentage 1	25.047 %						
Concentration RSD	3.7 %	7.9 %	0.2 %	0.2 %	9.0 %	0.1 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: I2554567-22 WG2109670

Analysis started at: 9/8/2025 2:32:15 PM

Comments: <Comment>

Rack: 1

Vial: 37

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0000 ppm	-0.0005 ppm	-0.0009 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0691 ppm
Concentration per Run 1	0.0001 ppm	0.0004 ppm	-0.0020 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0731 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0010 ppm	-0.0001 ppm	-0.0001 ppm	0.0674 ppm
Concentration per Run 3	-0.0002 ppm	-0.0022 ppm	-0.0007 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0666 ppm
Recovery Percentage 1	-0.616 %	-0.502 %	-17.761 %	2.778 %	-0.808 %	-0.792 %	69.054 %
Concentration RSD	427.0 %	290.5 %	114.2 %	19.0 %	28.6 %	25.3 %	5.1 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0024 ppm	0.0370 ppm	0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	-0.0027 ppm	0.0448 ppm	0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0004 ppm	-0.0002 ppm	-0.0017 ppm	0.0384 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0029 ppm	0.0277 ppm	0.0012 ppm
Recovery Percentage 1	-0.876 %	0.266 %	0.872 %	-1.863 %	-4.892 %	1.478 %	9.812 %
Concentration RSD	52.4 %	180.9 %	365.9 %	59.0 %	26.6 %	23.5 %	23.0 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.0046 ppm	0.0001 ppm	-0.0006 ppm	0.0572 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run 1	0.0051 ppm	0.0000 ppm	-0.0005 ppm	0.0597 ppm	0.0003 ppm	0.0003 ppm	-0.0005 ppm
Concentration per Run 2	0.0048 ppm	0.0002 ppm	-0.0007 ppm	0.0560 ppm	-0.0003 ppm	0.0002 ppm	0.0007 ppm
Concentration per Run 3	0.0039 ppm	0.0001 ppm	-0.0005 ppm	0.0560 ppm	-0.0002 ppm	0.0001 ppm	-0.0010 ppm
Recovery Percentage 1	4.600 %	1.063 %	-1.182 %	2.861 %	-0.328 %	1.911 %	-0.529 %
Concentration RSD	14.2 %	106.9 %	18.0 %	3.8 %	390.6 %	68.6 %	344.9 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0001 ppm	0.0081 ppm	-0.0015 ppm	0.0001 ppm	-0.0004 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run 1	0.0007 ppm	0.0082 ppm	-0.0013 ppm	0.0000 ppm	-0.0003 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 2	-0.0014 ppm	0.0078 ppm	-0.0016 ppm	0.0001 ppm	-0.0004 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run 3	0.0005 ppm	0.0083 ppm	-0.0017 ppm	0.0000 ppm	-0.0006 ppm	-0.0012 ppm	0.0001 ppm
Recovery Percentage 1	-0.645 %	1.616 %	-3.099 %	0.695 %	-4.062 %	-2.352 %	0.618 %
Concentration RSD	1.855.0 %	3.2 %	15.5 %	73.1 %	43.1 %	168.5 %	136.5 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0024 ppm	105.7596 %	106.3172 %	104.9067 %	103.3448 %	103.4040 %	104.4660 %
Concentration per Run 1	0.0023 ppm	99.5334 %	105.9523 %	105.1545 %	96.5467 %	103.4104 %	104.3400 %
Concentration per Run 2	0.0024 ppm	108.2239 %	106.5566 %	104.7906 %	105.8528 %	103.3953 %	104.5954 %
Concentration per Run 3	0.0024 ppm	109.5216 %	106.4428 %	104.7750 %	107.6348 %	103.4062 %	104.4626 %
Recovery Percentage 1	47.484 %						
Concentration RSD	1.7 %	5.1 %	0.3 %	0.2 %	5.8 %	0.0 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: 12554677-20 WG2109670

Analysis started at: 9/8/2025 2:38:35 PM

Comments: <Comment>

Rack: 1

Vial: 38

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0002 ppm	-0.0046 ppm	0.0001 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 1	-0.0001 ppm	-0.0019 ppm	0.0006 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 2	-0.0004 ppm	-0.0034 ppm	0.0001 ppm	0.0015 ppm	-0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 3	-0.0002 ppm	-0.0033 ppm	-0.0004 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0033 ppm
Recovery Percentage 1	-3.210 %	-4.554 %	1.747 %	4.423 %	-0.557 %	-0.588 %	-0.865 %
Concentration RSD	52.2 %	73.8 %	550.5 %	13.5 %	109.6 %	49.2 %	264.5 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0007 ppm	-0.0002 ppm	0.0003 ppm	0.0153 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0010 ppm	-0.0001 ppm	0.0016 ppm	0.0134 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0000 ppm	-0.0005 ppm	0.0042 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0005 ppm	-0.0003 ppm	0.0282 ppm	-0.0003 ppm
Recovery Percentage 1	-0.069 %	0.215 %	6.539 %	-2.262 %	0.564 %	0.611 %	-1.297 %
Concentration RSD	266.2 %	69.0 %	50.3 %	115.7 %	415.8 %	79.1 %	123.2 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0288 ppm	-0.0002 ppm	0.0002 ppm	-0.0008 ppm
Concentration per Run 1	-0.0007 ppm	0.0002 ppm	-0.0008 ppm	0.0315 ppm	0.0000 ppm	0.0005 ppm	-0.0009 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	-0.0009 ppm	0.0304 ppm	-0.0002 ppm	0.0004 ppm	-0.0004 ppm
Concentration per Run 3	0.0007 ppm	0.0003 ppm	-0.0005 ppm	0.0244 ppm	-0.0004 ppm	-0.0005 ppm	-0.0013 ppm
Recovery Percentage 1	0.028 %	2.572 %	-1.443 %	1.440 %	-0.936 %	1.593 %	-1.696 %
Concentration RSD	2.555.1 %	21.2 %	22.9 %	13.2 %	76.7 %	369.8 %	56.4 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0004 ppm	0.0181 ppm	0.0015 ppm	0.0000 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0004 ppm	0.0180 ppm	-0.0012 ppm	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 2	-0.0016 ppm	0.0178 ppm	-0.0022 ppm	0.0000 ppm	-0.0004 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run 3	0.0024 ppm	0.0185 ppm	-0.0012 ppm	0.0000 ppm	-0.0006 ppm	0.0015 ppm	0.0002 ppm
Recovery Percentage 1	3.887 %	3.621 %	-2.994 %	0.125 %	-3.947 %	1.209 %	0.824 %
Concentration RSD	511.2 %	2.0 %	39.5 %	106.4 %	48.9 %	571.9 %	113.5 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0006 ppm	104.9106 %	105.7037 %	104.4729 %	103.0319 %	103.4409 %	104.6535 %
Concentration per Run 1	-0.0006 ppm	98.6609 %	105.9725 %	104.6881 %	96.6022 %	103.7716 %	104.9504 %
Concentration per Run 2	-0.0005 ppm	107.6888 %	105.6251 %	104.4072 %	105.6125 %	103.3340 %	104.4281 %
Concentration per Run 3	-0.0006 ppm	108.3820 %	105.5136 %	104.3234 %	106.8809 %	103.2171 %	104.5818 %
Recovery Percentage 1	-11.182 %						
Concentration RSD	7.7 %	5.2 %	0.2 %	0.2 %	5.4 %	0.3 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110335-1 WG2110335

Analysis started at: 9/8/2025 2:44:56 PM

Comments: <Comment>

Rack: 1

Vial: 40

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0002 ppm	-0.0003 ppm	0.0003 ppm	0.0005 ppm	-0.0001 ppm	-0.0001 ppm	0.0028 ppm
Concentration per Run 1	-0.0003 ppm	0.0082 ppm	0.0007 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 2	-0.0002 ppm	-0.0050 ppm	-0.0001 ppm	0.0005 ppm	-0.0002 ppm	-0.0001 ppm	0.0037 ppm
Concentration per Run 3	0.0001 ppm	-0.0041 ppm	0.0004 ppm	0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0034 ppm
Recovery Percentage 1	-2.218 %	-0.318 %	6.869 %	1.627 %	-1.438 %	-1.037 %	2.811 %
Concentration RSD	127.6 %	2,308.3 %	113.2 %	30.1 %	61.5 %	48.4 %	44.9 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	-0.0019 ppm	0.0174 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	-0.0012 ppm	0.0065 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0005 ppm	-0.0001 ppm	-0.0011 ppm	0.0223 ppm	0.0016 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0003 ppm	-0.0034 ppm	0.0236 ppm	0.0007 ppm
Recovery Percentage 1	-0.519 %	0.088 %	3.607 %	-1.775 %	-3.742 %	0.698 %	5.650 %
Concentration RSD	64.4 %	161.9 %	44.4 %	64.4 %	69.0 %	54.4 %	188.5 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0007 ppm	0.0214 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 1	0.0008 ppm	0.0003 ppm	-0.0007 ppm	0.0242 ppm	0.0000 ppm	-0.0002 ppm	-0.0016 ppm
Concentration per Run 2	0.0010 ppm	0.0004 ppm	-0.0007 ppm	0.0202 ppm	0.0000 ppm	-0.0005 ppm	0.0008 ppm
Concentration per Run 3	-0.0018 ppm	0.0003 ppm	-0.0007 ppm	0.0197 ppm	0.0000 ppm	0.0007 ppm	0.0006 ppm
Recovery Percentage 1	-0.016 %	3.198 %	-1.415 %	1.068 %	0.000 %	0.050 %	-0.145 %
Concentration RSD	9.943.5 %	30.5 %	2.8 %	11.5 %	147.619.5 %	12.016.8 %	1,822.7 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0011 ppm	-0.0009 ppm	-0.0013 ppm	-0.0001 ppm	-0.0005 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run 1	0.0004 ppm	-0.0010 ppm	-0.0014 ppm	-0.0001 ppm	-0.0004 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run 2	-0.0018 ppm	-0.0009 ppm	-0.0012 ppm	-0.0001 ppm	-0.0006 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run 3	-0.0018 ppm	-0.0008 ppm	-0.0012 ppm	0.0000 ppm	-0.0005 ppm	0.0008 ppm	-0.0001 ppm
Recovery Percentage 1	-11.060 %	-0.181 %	-2.515 %	-0.713 %	-5.162 %	5.541 %	-0.044 %
Concentration RSD	114.3 %	9.8 %	12.7 %	70.3 %	25.6 %	41.1 %	2,681.9 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0003 ppm	102.0025 %	106.1386 %	105.3166 %	98.7940 %	104.5686 %	104.6867 %
Concentration per Run 1	-0.0001 ppm	93.2951 %	106.1457 %	105.3053 %	89.5938 %	104.6692 %	104.7691 %
Concentration per Run 2	-0.0003 ppm	104.4181 %	106.1478 %	105.3833 %	101.3811 %	104.5276 %	104.6459 %
Concentration per Run 3	-0.0003 ppm	108.2942 %	106.1224 %	105.2611 %	105.4071 %	104.5090 %	104.6450 %
Recovery Percentage 1	-5.160 %						
Concentration RSD	41.3 %	7.6 %	0.0 %	0.1 %	8.3 %	0.1 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110335-2 WG2110335

Analysis started at: 9/8/2025 2:51:17 PM

Comments: <Comment>

Rack: 1

Vial: 41

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0455 ppm	2.0994 ppm	0.1254 ppm	1.0134 ppm	2.0414 ppm	0.0508 ppm	10.2026 ppm
Concentration per Run 1	0.0454 ppm	2.2664 ppm	0.1252 ppm	1.0076 ppm	2.2166 ppm	0.0547 ppm	11.0189 ppm
Concentration per Run 2	0.0458 ppm	2.0414 ppm	0.1267 ppm	1.0158 ppm	1.9600 ppm	0.0494 ppm	9.9222 ppm
Concentration per Run 3	0.0452 ppm	1.9906 ppm	0.1245 ppm	1.0168 ppm	1.9476 ppm	0.0482 ppm	9.6666 ppm
Concentration RSD	0.6 %	7.0 %	0.9 %	0.5 %	7.4 %	6.8 %	7.0 %
	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0536 ppm	0.4976 ppm	0.2086 ppm	0.2568 ppm	1.0465 ppm	10.6871 ppm	0.0003 ppm
Concentration per Run 1	0.0536 ppm	0.4962 ppm	0.2071 ppm	0.2558 ppm	1.1266 ppm	11.4924 ppm	0.0012 ppm
Concentration per Run 2	0.0537 ppm	0.4982 ppm	0.2060 ppm	0.2578 ppm	1.0154 ppm	10.3693 ppm	0.0000 ppm
Concentration per Run 3	0.0536 ppm	0.4984 ppm	0.2065 ppm	0.2568 ppm	0.9974 ppm	10.1996 ppm	-0.0003 ppm
Concentration RSD	0.1 %	0.2 %	0.3 %	0.4 %	6.7 %	6.6 %	267.5 %
	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	10.5328 ppm	0.5061 ppm	1.0236 ppm	10.9516 ppm	0.5162 ppm	0.5619 ppm	0.4454 ppm
Concentration per Run 1	10.5145 ppm	0.5470 ppm	1.0182 ppm	11.8278 ppm	0.5141 ppm	0.5613 ppm	0.4373 ppm
Concentration per Run 2	10.5248 ppm	0.4916 ppm	1.0285 ppm	10.6454 ppm	0.5172 ppm	0.5633 ppm	0.4469 ppm
Concentration per Run 3	10.5590 ppm	0.4796 ppm	1.0262 ppm	10.3816 ppm	0.5174 ppm	0.5610 ppm	0.4520 ppm
Concentration RSD	0.2 %	7.1 %	0.5 %	7.0 %	0.4 %	0.2 %	1.7 %
	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.1262 ppm	0.8684 ppm	1.0123 {SIC 20}	1.1081 ppm	1.0558 ppm	0.1255 ppm	0.5256 ppm
Concentration per Run 1	0.1242 ppm	0.8654 ppm	1.0088 ppm	1.1081 ppm	1.0550 ppm	0.1261 ppm	0.5260 ppm
Concentration per Run 2	0.1267 ppm	0.8716 ppm	1.0143 ppm	0.9957 ppm	1.0541 ppm	0.1242 ppm	0.5241 ppm
Concentration per Run 3	0.1278 ppm	0.8683 ppm	1.0137 ppm	0.9751 ppm	1.0584 ppm	0.1263 ppm	0.5267 ppm
Concentration RSD	1.4 %	0.4 %	0.3 %	7.0 %	0.2 %	0.9 %	0.3 %
	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.5037 ppm	103.4242 %	103.2496 %	102.1436 %	102.2324 %	99.5360 %	102.7108 %
Concentration per Run 1	0.5040 ppm	96.4342 %	103.1542 %	102.2747 %	94.8557 %	99.8132 %	102.7855 %
Concentration per Run 2	0.5038 ppm	105.8623 %	103.2817 %	102.0365 %	104.7613 %	99.2550 %	102.8309 %
Concentration per Run 3	0.5032 ppm	107.9760 %	103.3129 %	102.1195 %	107.0804 %	99.5399 %	102.5160 %
Concentration RSD	0.1 %	5.9 %	0.1 %	0.1 %	6.4 %	0.3 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110335-3 WG2110335

Analysis started at: 9/8/2025 2:57:26 PM

Comments: <Comment>

Rack: 1

Vial: 42

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0455 ppm	2.1148 ppm	0.1257 ppm	1.0183 ppm	2.0680 ppm	0.0509 ppm	10.2263 ppm
Concentration per Run 1	0.0456 ppm	2.2631 ppm	0.1267 ppm	1.0177 ppm	2.1897 ppm	0.0544 ppm	10.9502 ppm
Concentration per Run 2	0.0456 ppm	2.0686 ppm	0.1247 ppm	1.0193 ppm	2.0214 ppm	0.0497 ppm	9.9890 ppm
Concentration per Run 3	0.0452 ppm	2.0078 ppm	0.1257 ppm	1.0180 ppm	1.9928 ppm	0.0485 ppm	9.7396 ppm
Concentration RSD	0.5 %	6.4 %	0.8 %	0.1 %	5.1 %	6.1 %	6.3 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0541 ppm	0.5034 ppm	0.2063 ppm	0.2579 ppm	1.0747 ppm	11.7251 ppm	0.0001 ppm
Concentration per Run 1	0.0541 ppm	0.5038 ppm	0.2070 ppm	0.2583 ppm	1.1481 ppm	11.4848 ppm	-0.0004 ppm
Concentration per Run 2	0.0541 ppm	0.5039 ppm	0.2058 ppm	0.2576 ppm	1.0513 ppm	10.4319 ppm	0.0011 ppm
Concentration per Run 3	0.0542 ppm	0.5026 ppm	0.2062 ppm	0.2577 ppm	1.0248 ppm	10.2587 ppm	-0.0004 ppm
Concentration RSD	0.1 %	0.1 %	0.3 %	0.2 %	6.0 %	6.2 %	742.9 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	10.4988 ppm	0.5093 ppm	1.0325 ppm	10.9150 ppm	0.5203 ppm	0.5633 ppm	0.4743 ppm
Concentration per Run 1	10.5034 ppm	0.5449 ppm	1.0314 ppm	11.6799 ppm	0.5205 ppm	0.5632 ppm	0.4685 ppm
Concentration per Run 2	10.4989 ppm	0.4974 ppm	1.0340 ppm	10.6498 ppm	0.5210 ppm	0.5640 ppm	0.4763 ppm
Concentration per Run 3	10.4961 ppm	0.4854 ppm	1.0321 ppm	10.4153 ppm	0.5193 ppm	0.5626 ppm	0.4781 ppm
Concentration RSD	0.0 %	6.2 %	0.1 %	6.2 %	0.2 %	0.1 %	1.1 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.1253 ppm	0.8733 ppm	0.8733 ppm	1.0242 ppm	1.0568 ppm	0.1262 ppm	0.5287 ppm
Concentration per Run 1	0.1262 ppm	0.8746 ppm	1.0211 ppm	1.0971 ppm	1.0585 ppm	0.1256 ppm	0.5287 ppm
Concentration per Run 2	0.1252 ppm	0.8731 ppm	1.0246 ppm	1.0000 ppm	1.0566 ppm	0.1277 ppm	0.5289 ppm
Concentration per Run 3	0.1247 ppm	0.8722 ppm	1.0255 ppm	0.9755 ppm	1.0552 ppm	0.1254 ppm	0.5285 ppm
Concentration RSD	0.6 %	0.1 %	0.2 %	6.3 %	0.2 %	1.0 %	0.0 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.5030 ppm	103.3645 %	103.4376 %	102.1002 %	102.3767 %	99.2827 %	103.0103 %
Concentration per Run 1	0.5074 ppm	97.1643 %	103.4811 %	102.1853 %	96.0381 %	99.1856 %	102.9934 %
Concentration per Run 2	0.5092 ppm	105.5577 %	103.3468 %	101.9894 %	104.2619 %	99.1966 %	102.8759 %
Concentration per Run 3	0.5075 ppm	107.3714 %	103.4849 %	102.1258 %	106.8301 %	99.4660 %	103.1614 %
Concentration RSD	0.2 %	5.3 %	0.1 %	0.1 %	5.5 %	0.2 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110335-4 WG2110335

Analysis started at: 9/8/2025 3:03:37 PM

Comments: <Comment>

Rack: 1

Vial: 43

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0453 ppm	2.1023 ppm	0.1283 ppm	1.0180 ppm	2.0458 ppm	0.0506 ppm	10.3329 ppm
Concentration per Run 1	0.0451 ppm	2.2840 ppm	0.1282 ppm	1.0159 ppm	2.2229 ppm	0.0549 ppm	11.2340 ppm
Concentration per Run 2	0.0453 ppm	2.0425 ppm	0.1292 ppm	1.0222 ppm	1.9756 ppm	0.0493 ppm	10.0293 ppm
Concentration per Run 3	0.0454 ppm	1.9804 ppm	0.1275 ppm	1.0160 ppm	1.9390 ppm	0.0476 ppm	9.7353 ppm
Concentration RSD	0.3 %	7.6 %	0.7 %	0.4 %	7.5 %	7.6 %	7.7 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0534 ppm	0.4983 ppm	0.2099 ppm	0.2551 ppm	1.2044 ppm	0.8575 ppm	0.0002 ppm
Concentration per Run 1	0.0535 ppm	0.4976 ppm	0.2099 ppm	0.2543 ppm	1.3057 ppm	11.7349 ppm	0.0007 ppm
Concentration per Run 2	0.0535 ppm	0.4996 ppm	0.2098 ppm	0.2555 ppm	1.1700 ppm	10.5709 ppm	0.0001 ppm
Concentration per Run 3	0.0533 ppm	0.4976 ppm	0.2101 ppm	0.2556 ppm	1.1376 ppm	10.2667 ppm	-0.0001 ppm
Concentration RSD	0.2 %	0.2 %	0.1 %	0.3 %	7.4 %	7.1 %	185.6 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.5441 ppm	0.5073 ppm	1.0463 ppm	11.0225 ppm	0.5156 ppm	0.5668 ppm	0.4846 ppm
Concentration per Run 1	10.5329 ppm	0.5482 ppm	1.0453 ppm	11.9473 ppm	0.5149 ppm	0.5654 ppm	0.4796 ppm
Concentration per Run 2	10.5656 ppm	0.4959 ppm	1.0483 ppm	10.7396 ppm	0.5167 ppm	0.5690 ppm	0.4868 ppm
Concentration per Run 3	10.5339 ppm	0.4778 ppm	1.0454 ppm	10.3807 ppm	0.5151 ppm	0.5661 ppm	0.4875 ppm
Concentration RSD	0.2 %	7.2 %	0.2 %	7.4 %	0.2 %	0.3 %	0.9 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1262 ppm	0.8795 ppm	1.0318 [SIC 20]	1.0439 ppm	1.0628 ppm	0.1257 ppm	0.5236 ppm
Concentration per Run 1	0.1252 ppm	0.8811 ppm	1.0305 ppm	1.1326 ppm	1.0622 ppm	0.1265 ppm	0.5228 ppm
Concentration per Run 2	0.1268 ppm	0.8812 ppm	1.0352 ppm	1.0139 ppm	1.0628 ppm	0.1247 ppm	0.5240 ppm
Concentration per Run 3	0.1264 ppm	0.8762 ppm	1.0297 ppm	0.9852 ppm	1.0632 ppm	0.1260 ppm	0.5241 ppm
Concentration RSD	0.7 %	0.3 %	0.3 %	7.5 %	0.0 %	0.7 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5006 ppm	102.6832 %	102.9666 %	102.0899 %	101.9032 %	98.9038 %	102.8099 %
Concentration per Run 1	0.5004 ppm	94.9770 %	103.1190 %	102.0893 %	93.9633 %	98.9854 %	102.9334 %
Concentration per Run 2	0.5015 ppm	105.6479 %	102.6545 %	101.9415 %	104.6191 %	98.5915 %	102.6097 %
Concentration per Run 3	0.4998 ppm	107.4247 %	103.1263 %	102.2420 %	107.1270 %	99.1495 %	102.8867 %
Concentration RSD	0.2 %	6.6 %	0.3 %	0.1 %	6.9 %	0.3 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2110335-5 WG2110335

Analysis started at: 9/8/2025 3:09:47 PM

Comments: <Comment>

Rack: 1

Vial: 44

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0450 ppm	2.0368 ppm	0.1249 ppm	0.9996 ppm	1.9870 ppm	0.0491 ppm	9.8663 ppm
Concentration per Run 1	0.0446 ppm	2.1438 ppm	0.1235 ppm	0.9982 ppm	2.1044 ppm	0.0516 ppm	10.3822 ppm
Concentration per Run 2	0.0450 ppm	1.9928 ppm	0.1264 ppm	1.0009 ppm	1.9420 ppm	0.0482 ppm	9.6737 ppm
Concentration per Run 3	0.0453 ppm	1.9739 ppm	0.1248 ppm	0.9996 ppm	1.9146 ppm	0.0474 ppm	9.5430 ppm
Concentration RSD	0.7 %	4.6 %	1.2 %	0.1 %	5.2 %	4.6 %	4.6 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0537 ppm	0.4995 ppm	0.2310 ppm	0.2575 ppm	1.7148 ppm	10.3136 ppm	0.0001 ppm
Concentration per Run 1	0.0536 ppm	0.4986 ppm	0.2312 ppm	0.2566 ppm	1.8016 ppm	10.7831 ppm	0.0015 ppm
Concentration per Run 2	0.0538 ppm	0.5002 ppm	0.2305 ppm	0.2585 ppm	1.6819 ppm	10.1399 ppm	0.0000 ppm
Concentration per Run 3	0.0536 ppm	0.4996 ppm	0.2313 ppm	0.2573 ppm	1.6607 ppm	10.0177 ppm	-0.0011 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.4 %	4.4 %	4.0 %	1.068.2 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.3422 ppm	0.4971 ppm	1.0286 ppm	10.4962 ppm	0.5186 ppm	0.5563 ppm	0.4914 ppm
Concentration per Run 1	10.3401 ppm	0.5229 ppm	1.0263 ppm	11.0369 ppm	0.5175 ppm	0.5553 ppm	0.4871 ppm
Concentration per Run 2	10.3221 ppm	0.4870 ppm	1.0316 ppm	10.3199 ppm	0.5194 ppm	0.5587 ppm	0.4917 ppm
Concentration per Run 3	10.3644 ppm	0.4813 ppm	1.0279 ppm	10.1319 ppm	0.5188 ppm	0.5547 ppm	0.4954 ppm
Concentration RSD	0.2 %	4.5 %	0.3 %	4.5 %	0.2 %	0.4 %	0.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1237 ppm	0.8629 ppm	1.0134 [SIC 20]	0.9889 ppm	1.0451 ppm	0.1231 ppm	0.5247 ppm
Concentration per Run 1	0.1256 ppm	0.8629 ppm	1.0124 ppm	1.0398 ppm	1.0429 ppm	0.1234 ppm	0.5243 ppm
Concentration per Run 2	0.1224 ppm	0.8639 ppm	1.0141 ppm	0.9705 ppm	1.0462 ppm	0.1236 ppm	0.5243 ppm
Concentration per Run 3	0.1231 ppm	0.8619 ppm	1.0137 ppm	0.9564 ppm	1.0462 ppm	0.1223 ppm	0.5254 ppm
Concentration RSD	1.4 %	0.1 %	0.1 %	4.5 %	0.2 %	0.6 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5033 ppm	105.1205 %	102.7516 %	101.6881 %	104.3405 %	98.4729 %	102.3273 %
Concentration per Run 1	0.5021 ppm	100.9421 %	102.8468 %	101.6805 %	99.6330 %	98.6903 %	102.4357 %
Concentration per Run 2	0.5035 ppm	106.6575 %	102.9433 %	101.6481 %	106.0891 %	98.2068 %	102.5855 %
Concentration per Run 3	0.5043 ppm	107.7620 %	102.4649 %	101.7356 %	107.2994 %	98.5215 %	101.9608 %
Concentration RSD	0.2 %	3.5 %	0.2 %	0.0 %	4.0 %	0.2 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: Test ICV 2311 TD

Analysis started at: 9/8/2025 3:15:58 PM

Comments: <Comment>

Rack: 1

Vial: 39

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.4939 ppm	0.4830 ppm	0.4845 ppm	0.4935 ppm	0.4927 ppm	0.4902 ppm	0.4882 ppm
Concentration per Run 1	0.4926 ppm	0.5067 ppm	0.4841 ppm	0.4935 ppm	0.5226 ppm	0.5198 ppm	0.5217 ppm
Concentration per Run 2	0.4951 ppm	0.4739 ppm	0.4837 ppm	0.4936 ppm	0.4802 ppm	0.4769 ppm	0.4763 ppm
Concentration per Run 3	0.4939 ppm	0.4685 ppm	0.4857 ppm	0.4934 ppm	0.4754 ppm	0.4738 ppm	0.4665 ppm
Concentration RSD	0.3 %	4.3 %	0.2 %	0.0 %	5.3 %	5.2 %	6.0 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.4937 ppm	0.5037 ppm	0.5069 ppm	0.5086 ppm	0.4764 ppm	5.0572 ppm	0.5137 ppm
Concentration per Run 1	0.4942 ppm	0.5043 ppm	0.5073 ppm	0.5068 ppm	0.5067 ppm	5.3475 ppm	0.5433 ppm
Concentration per Run 2	0.4927 ppm	0.5035 ppm	0.5064 ppm	0.5104 ppm	0.4643 ppm	4.9407 ppm	0.5013 ppm
Concentration per Run 3	0.4940 ppm	0.5032 ppm	0.5069 ppm	0.5087 ppm	0.4581 ppm	4.8834 ppm	0.4965 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.4 %	5.5 %	5.0 %	5.0 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.5128 ppm	0.4916 ppm	0.5059 ppm	10.1265 ppm	0.5148 ppm	0.5140 ppm	0.5254 ppm
Concentration per Run 1	0.5125 ppm	0.5233 ppm	0.5067 ppm	10.7378 ppm	0.5142 ppm	0.5139 ppm	0.5299 ppm
Concentration per Run 2	0.5124 ppm	0.4779 ppm	0.5061 ppm	9.8524 ppm	0.5146 ppm	0.5141 ppm	0.5244 ppm
Concentration per Run 3	0.5136 ppm	0.4734 ppm	0.5049 ppm	9.7892 ppm	0.5155 ppm	0.5141 ppm	0.5219 ppm
Concentration RSD	0.1 %	5.6 %	0.2 %	5.2 %	0.1 %	0.0 %	0.8 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.4969 ppm	5.4463 ppm	0.5139 ppm	0.4998 ppm	0.5077 ppm	0.5138 ppm	0.5137 ppm
Concentration per Run 1	0.4972 ppm	5.4552 ppm	0.5162 ppm	0.5298 ppm	0.5076 ppm	0.5154 ppm	0.5137 ppm
Concentration per Run 2	0.4965 ppm	5.4446 ppm	0.5126 ppm	0.4879 ppm	0.5079 ppm	0.5160 ppm	0.5141 ppm
Concentration per Run 3	0.4971 ppm	5.4391 ppm	0.5130 ppm	0.4817 ppm	0.5077 ppm	0.5113 ppm	0.5135 ppm
Concentration RSD	0.1 %	0.2 %	0.4 %	5.2 %	0.0 %	0.5 %	0.1 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.4983 ppm	103.8484 %	103.1291 %	102.6832 %	103.7422 %	99.9160 %	103.2770 %
Concentration per Run 1	0.4988 ppm	98.2143 %	103.1260 %	102.5273 %	98.1858 %	99.7045 %	103.1471 %
Concentration per Run 2	0.4976 ppm	106.1286 %	103.1812 %	102.7494 %	106.0782 %	100.0701 %	103.4941 %
Concentration per Run 3	0.4985 ppm	107.2022 %	103.0801 %	102.7730 %	106.9626 %	99.9735 %	103.1899 %
Concentration RSD	0.1 %	4.7 %	0.0 %	0.1 %	4.7 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

CCV

Sample: 9/8/2025 3:21:59 PM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.4832 ppm	0.4851 ppm	0.4886 ppm	0.5027 ppm	0.4932 ppm	0.4857 ppm	0.4835 ppm
Concentration per Run 1	0.4832 ppm	0.5038 ppm	0.4882 ppm	0.5044 ppm	0.5120 ppm	0.5037 ppm	0.5013 ppm
Concentration per Run 2	0.4840 ppm	0.4801 ppm	0.4891 ppm	0.5028 ppm	0.4868 ppm	0.4800 ppm	0.4768 ppm
Concentration per Run 3	0.4823 ppm	0.4715 ppm	0.4886 ppm	0.5010 ppm	0.4809 ppm	0.4735 ppm	0.4722 ppm
Recovery Percentage 1	96.632 %	97.029 %	97.727 %	100.539 %	98.640 %	97.145 %	96.693 %
Concentration RSD	0.2 %	3.4 %	0.1 %	0.3 %	3.3 %	3.3 %	3.2 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.4975 ppm	0.5070 ppm	0.5106 ppm	0.5122 ppm	0.4747 ppm	5.0636 ppm	0.4998 ppm
Concentration per Run 1	0.4983 ppm	0.5074 ppm	0.5099 ppm	0.5120 ppm	0.4919 ppm	5.2549 ppm	0.5179 ppm
Concentration per Run 2	0.4982 ppm	0.5073 ppm	0.5115 ppm	0.5134 ppm	0.4675 ppm	5.0036 ppm	0.4946 ppm
Concentration per Run 3	0.4960 ppm	0.5062 ppm	0.5105 ppm	0.5111 ppm	0.4647 ppm	4.9322 ppm	0.4867 ppm
Recovery Percentage 1	99.496 %	101.392 %	102.125 %	102.432 %	94.937 %	101.271 %	99.951 %
Concentration RSD	0.3 %	0.1 %	0.2 %	0.2 %	3.2 %	3.3 %	3.2 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.5191 ppm	0.4884 ppm	0.5077 ppm	10.0382 ppm	0.5188 ppm	0.5169 ppm	0.5197 ppm
Concentration per Run 1	0.5163 ppm	0.5062 ppm	0.5080 ppm	10.4058 ppm	0.5191 ppm	0.5189 ppm	0.5199 ppm
Concentration per Run 2	0.5228 ppm	0.4837 ppm	0.5084 ppm	9.9242 ppm	0.5198 ppm	0.5166 ppm	0.5218 ppm
Concentration per Run 3	0.5183 ppm	0.4754 ppm	0.5068 ppm	9.7846 ppm	0.5174 ppm	0.5155 ppm	0.5173 ppm
Recovery Percentage 1	103.828 %	97.682 %	101.545 %	100.382 %	103.755 %	103.387 %	103.933 %
Concentration RSD	0.6 %	3.3 %	0.2 %	3.2 %	0.2 %	0.3 %	0.4 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.4998 ppm	5.4548 ppm	0.5117 ppm	0.4905 ppm	0.5117 ppm	0.5192 ppm	0.5173 ppm
Concentration per Run 1	0.4999 ppm	5.4596 ppm	0.5122 ppm	0.5086 ppm	0.5233 ppm	0.5171 ppm	0.5171 ppm
Concentration per Run 2	0.5016 ppm	5.4600 ppm	0.5131 ppm	0.4843 ppm	0.5135 ppm	0.5176 ppm	0.5181 ppm
Concentration per Run 3	0.4977 ppm	5.4449 ppm	0.5098 ppm	0.4786 ppm	0.5105 ppm	0.5166 ppm	0.5166 ppm
Recovery Percentage 1	99.951 %	103.901 %	102.342 %	98.101 %	102.348 %	103.836 %	103.457 %
Concentration RSD	0.4 %	0.2 %	0.3 %	3.2 %	0.3 %	0.7 %	0.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5022 ppm	105.6376 %	103.6374 %	102.9815 %	105.4059 %	100.0395 %	103.6384 %
Concentration per Run 1	0.5029 ppm	102.5344 %	103.5873 %	103.0006 %	102.0703 %	99.9500 %	103.6062 %
Concentration per Run 2	0.5035 ppm	106.4649 %	103.6739 %	102.9037 %	106.2745 %	99.9052 %	103.4716 %
Concentration per Run 3	0.5004 ppm	107.9137 %	103.6510 %	103.0401 %	107.8727 %	100.2632 %	103.8374 %
Recovery Percentage 1	100.449 %						
Concentration RSD	0.3 %	2.6 %	0.0 %	0.1 %	2.8 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: CCB
 Analysis started at: 9/8/2025 3:28:02 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0001 ppm	-0.0028 ppm	0.0003 ppm	0.0043 ppm	0.0000 ppm	0.0001 ppm	-0.0028 ppm
Concentration per Run 1	-0.0003 ppm	0.0020 ppm	-0.0015 ppm	0.0043 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run 2	0.0001 ppm	-0.0108 ppm	0.0018 ppm	0.0045 ppm	0.0000 ppm	0.0001 ppm	-0.0036 ppm
Concentration per Run 3	-0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0041 ppm	0.0000 ppm	0.0001 ppm	-0.0045 ppm
Recovery Percentage 1	-1.947 %	-2.850 %	6.779 %	14.292 %	0.142 %	1.443 %	-2.820 %
Concentration RSD	179.7 %	243.8 %	491.3 %	5.1 %	426.7 %	32.0 %	77.9 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0037 ppm	0.0162 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0041 ppm	0.0280 ppm	0.0013 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0032 ppm	0.0103 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0003 ppm	-0.0038 ppm	0.0102 ppm	0.0004 ppm
Recovery Percentage 1	1.349 %	0.148 %	-0.812 %	-2.283 %	-7.385 %	0.646 %	6.858 %
Concentration RSD	35.1 %	329.8 %	310.8 %	30.4 %	13.6 %	63.4 %	82.2 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0016 ppm	0.0350 ppm	0.0001 ppm	0.0003 ppm	0.0010 ppm
Concentration per Run 1	-0.0016 ppm	0.0004 ppm	0.0020 ppm	0.0431 ppm	0.0004 ppm	0.0002 ppm	0.0025 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0016 ppm	0.0356 ppm	-0.0002 ppm	0.0005 ppm	0.0004 ppm
Concentration per Run 3	0.0014 ppm	-0.0001 ppm	0.0013 ppm	0.0293 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm
Recovery Percentage 1	-0.071 %	0.693 %	3.288 %	1.799 %	0.597 %	3.389 %	1.969 %
Concentration RSD	2,133.4 %	382.1 %	18.7 %	19.2 %	181.5 %	45.2 %	131.2 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0006 ppm	-0.0035 ppm	0.0007 ppm	0.0001 ppm	-0.0002 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 1	0.0025 ppm	-0.0029 ppm	0.0010 ppm	0.0002 ppm	-0.0002 ppm	0.0024 ppm	0.0002 ppm
Concentration per Run 2	-0.0014 ppm	-0.0038 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	0.0006 ppm	-0.0038 ppm	0.0008 ppm	0.0000 ppm	-0.0002 ppm	0.0007 ppm	0.0003 ppm
Recovery Percentage 1	5.873 %	-0.698 %	1.356 %	0.964 %	-2.297 %	4.049 %	1.948 %
Concentration RSD	335.4 %	14.0 %	64.1 %	62.4 %	8.2 %	190.1 %	35.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0003 ppm	106.2819 %	105.1013 %	103.7380 %	104.7984 %	102.0409 %	103.6787 %
Concentration per Run 1	-0.0003 ppm	103.1481 %	104.9981 %	103.8400 %	101.0845 %	101.7461 %	103.6037 %
Concentration per Run 2	-0.0003 ppm	108.2691 %	105.1604 %	103.6802 %	106.7123 %	102.2059 %	103.7818 %
Concentration per Run 3	-0.0003 ppm	107.4286 %	105.1454 %	103.6938 %	106.5984 %	102.1706 %	103.6507 %
Recovery Percentage 1	-6.174 %						
Concentration RSD	11.4 %	2.6 %	0.1 %	0.1 %	3.1 %	0.3 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: I2553987-06 WG2108375

Analysis started at: 9/8/2025 3:40:04 PM

Comments: <Comment>

Rack: 1

Vial: 45

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0000 ppm	0.1742 ppm	0.0006 ppm	0.0129 ppm	0.1678 ppm	0.0004 ppm	1.4650 ppm
Concentration per Run 1	-0.0002 ppm	0.1864 ppm	0.0009 ppm	0.0131 ppm	0.1777 ppm	0.0004 ppm	1.5520 ppm
Concentration per Run 2	0.0000 ppm	0.1737 ppm	0.0019 ppm	0.0128 ppm	0.1651 ppm	0.0004 ppm	1.4470 ppm
Concentration per Run 3	0.0001 ppm	0.1626 ppm	-0.0010 ppm	0.0128 ppm	0.1607 ppm	0.0004 ppm	1.3958 ppm
Concentration RSD	597.3 %	6.8 %	240.4 %	1.5 %	5.3 %	6.4 %	5.4 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0012 ppm	0.0031 ppm	0.0004 ppm	0.0158 ppm	0.0199 ppm	0.9953 ppm	0.0030 ppm
Concentration per Run 1	0.0013 ppm	0.0033 ppm	0.0003 ppm	0.0158 ppm	0.0201 ppm	1.0385 ppm	0.0035 ppm
Concentration per Run 2	0.0012 ppm	0.0030 ppm	0.0003 ppm	0.0158 ppm	0.0201 ppm	0.9749 ppm	0.0027 ppm
Concentration per Run 3	0.0012 ppm	0.0030 ppm	0.0005 ppm	0.0159 ppm	0.0196 ppm	0.9726 ppm	0.0027 ppm
Concentration RSD	3.3 %	5.5 %	26.3 %	0.2 %	1.3 %	3.8 %	14.4 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.7359 ppm	0.0916 ppm	0.0005 ppm	1.5836 ppm	0.0092 ppm	-0.0004 ppm	-0.0007 ppm
Concentration per Run 1	0.7383 ppm	0.0969 ppm	0.0005 ppm	1.6729 ppm	0.0092 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 2	0.7351 ppm	0.0902 ppm	0.0005 ppm	1.5623 ppm	0.0092 ppm	-0.0001 ppm	-0.0007 ppm
Concentration per Run 3	0.7341 ppm	0.0878 ppm	0.0005 ppm	1.5156 ppm	0.0093 ppm	-0.0006 ppm	-0.0017 ppm
Concentration RSD	0.3 %	5.1 %	4.6 %	5.1 %	0.9 %	75.3 %	139.6 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0013 ppm	4.7335 ppm	-0.0011 ppm	0.0090 ppm	-0.0005 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run 1	0.0016 ppm	4.7171 ppm	-0.0009 ppm	0.0095 ppm	-0.0007 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 2	0.0002 ppm	4.7444 ppm	-0.0012 ppm	0.0090 ppm	-0.0003 ppm	-0.0007 ppm	0.0004 ppm
Concentration per Run 3	0.0019 ppm	4.7389 ppm	-0.0013 ppm	0.0085 ppm	-0.0003 ppm	-0.0002 ppm	0.0002 ppm
Concentration RSD	73.3 %	0.3 %	19.7 %	5.6 %	52.2 %	125.0 %	39.4 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.3179 ppm	106.2146 ppm	107.8507 ppm	105.8524 ppm	104.1559 ppm	103.4489 ppm	105.4291 ppm
Concentration per Run 1	0.3175 ppm	100.8844 ppm	107.6200 ppm	106.1797 ppm	98.7578 ppm	103.8988 ppm	105.4601 ppm
Concentration per Run 2	0.3183 ppm	107.3126 ppm	107.8495 ppm	105.7660 ppm	105.2952 ppm	103.3605 ppm	105.4601 ppm
Concentration per Run 3	0.3180 ppm	110.4467 ppm	108.0826 ppm	105.6116 ppm	108.4149 ppm	103.0893 ppm	105.3671 ppm
Concentration RSD	0.1 %	4.6 %	0.2 %	0.3 %	4.7 %	0.4 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2108375-15 WG2108375

Analysis started at: 9/8/2025 3:46:16 PM

Comments: <Comment>

Rack: 1

Vial: 46

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0514 ppm	2.2524 ppm	0.1230 ppm	1.0147 ppm	2.2038 ppm	0.0507 ppm	11.4968 ppm
Concentration per Run 1	0.0513 ppm	2.3796 ppm	0.1221 ppm	1.0144 ppm	2.3417 ppm	0.0537 ppm	12.1862 ppm
Concentration per Run 2	0.0513 ppm	2.2144 ppm	0.1240 ppm	1.0122 ppm	2.1596 ppm	0.0498 ppm	11.2970 ppm
Concentration per Run 3	0.0514 ppm	2.1633 ppm	0.1227 ppm	1.0175 ppm	2.1101 ppm	0.0485 ppm	11.0072 ppm
Concentration RSD	0.1 %	5.0 %	0.8 %	0.3 %	5.5 %	5.4 %	5.3 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0545 ppm	0.5011 ppm	0.2041 ppm	0.2727 ppm	1.0100 ppm	11.2833 ppm	0.0024 ppm
Concentration per Run 1	0.0544 ppm	0.5012 ppm	0.2046 ppm	0.2725 ppm	1.0715 ppm	11.8714 ppm	0.0026 ppm
Concentration per Run 2	0.0545 ppm	0.4999 ppm	0.2038 ppm	0.2728 ppm	0.9910 ppm	11.1028 ppm	0.0018 ppm
Concentration per Run 3	0.0546 ppm	0.5021 ppm	0.2039 ppm	0.2730 ppm	0.9676 ppm	10.8759 ppm	0.0029 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.1 %	5.4 %	4.6 %	21.9 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	11.0729 ppm	0.5863 ppm	1.0055 ppm	12.1740 ppm	0.5251 ppm	0.5429 ppm	0.4413 ppm
Concentration per Run 1	11.0945 ppm	0.6213 ppm	1.0030 ppm	12.9051 ppm	0.5253 ppm	0.5424 ppm	0.4357 ppm
Concentration per Run 2	11.0531 ppm	0.5755 ppm	1.0042 ppm	11.9404 ppm	0.5240 ppm	0.5431 ppm	0.4406 ppm
Concentration per Run 3	11.0712 ppm	0.5620 ppm	1.0094 ppm	11.6764 ppm	0.5260 ppm	0.5431 ppm	0.4477 ppm
Concentration RSD	0.2 %	5.3 %	0.3 %	5.3 %	0.2 %	0.1 %	1.4 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.1231 ppm	6.0114 ppm	0.9876 ppm	1.0115 ppm	1.0383 ppm	0.1213 ppm	0.5244 ppm
Concentration per Run 1	0.1229 ppm	6.0169 ppm	0.9856 ppm	1.0720 ppm	1.0411 ppm	0.1205 ppm	0.5254 ppm
Concentration per Run 2	0.1210 ppm	6.0007 ppm	0.9892 ppm	0.9930 ppm	1.0363 ppm	0.1216 ppm	0.5242 ppm
Concentration per Run 3	0.1254 ppm	6.0167 ppm	0.9880 ppm	0.9696 ppm	1.0375 ppm	0.1218 ppm	0.5236 ppm
Concentration RSD	1.8 %	0.2 %	0.2 %	5.3 %	0.2 %	0.6 %	0.2 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.8171 ppm	105.2960 ppm	104.0751 ppm	103.0381 ppm	103.6354 ppm	99.2516 ppm	102.7420 ppm
Concentration per Run 1	0.8165 ppm	100.1299 ppm	104.0474 ppm	103.0302 ppm	98.1230 ppm	99.2578 ppm	102.6222 ppm
Concentration per Run 2	0.8165 ppm	106.5977 ppm	104.0975 ppm	103.0476 ppm	104.9167 ppm	99.3776 ppm	102.8477 ppm
Concentration per Run 3	0.8183 ppm	109.1603 ppm	104.0803 ppm	103.0365 ppm	107.8666 ppm	99.1193 ppm	102.7561 ppm
Concentration RSD	0.1 %	4.4 %	0.0 %	0.0 %	4.8 %	0.1 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2108375-16 WG2108375

Analysis started at: 9/8/2025 3:52:26 PM

Comments: <Comment>

Rack: 1

Vial: 47

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0528 ppm	2.2619 ppm	0.1251 ppm	1.0436 ppm	2.2339 ppm	0.0507 ppm	11.5380 ppm
Concentration per Run 1	0.0530 ppm	2.3594 ppm	0.1264 ppm	1.0448 ppm	2.3623 ppm	0.0528 ppm	12.0478 ppm
Concentration per Run 2	0.0528 ppm	2.2284 ppm	0.1244 ppm	1.0413 ppm	2.1852 ppm	0.0500 ppm	11.3555 ppm
Concentration per Run 3	0.0527 ppm	2.1979 ppm	0.1244 ppm	1.0446 ppm	2.1542 ppm	0.0494 ppm	11.2107 ppm
Concentration RSD	0.2 %	3.8 %	0.9 %	0.2 %	5.0 %	3.6 %	3.9 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0560 ppm	0.5144 ppm	0.2095 ppm	0.2797 ppm	1.0141 ppm	11.3069 ppm	0.0027 ppm
Concentration per Run 1	0.0562 ppm	0.5149 ppm	0.2098 ppm	0.2792 ppm	1.0552 ppm	11.7268 ppm	0.0029 ppm
Concentration per Run 2	0.0568 ppm	0.5126 ppm	0.2095 ppm	0.2793 ppm	0.9881 ppm	11.1518 ppm	0.0023 ppm
Concentration per Run 3	0.0561 ppm	0.5156 ppm	0.2093 ppm	0.2807 ppm	0.9891 ppm	11.0422 ppm	0.0029 ppm
Concentration RSD	0.3 %	0.3 %	0.1 %	0.3 %	3.5 %	3.3 %	12.1 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	11.3692 ppm	0.5859 ppm	1.0407 ppm	12.1975 ppm	0.5401 ppm	0.5589 ppm	0.4841 ppm
Concentration per Run 1	11.3848 ppm	0.6116 ppm	1.0400 ppm	12.7066 ppm	0.5415 ppm	0.5598 ppm	0.4796 ppm
Concentration per Run 2	11.3322 ppm	0.5754 ppm	1.0390 ppm	12.0211 ppm	0.5382 ppm	0.5584 ppm	0.4852 ppm
Concentration per Run 3	11.3906 ppm	0.5706 ppm	1.0431 ppm	11.8647 ppm	0.5406 ppm	0.5584 ppm	0.4875 ppm
Concentration RSD	0.3 %	3.8 %	0.2 %	3.7 %	0.3 %	0.1 %	0.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1270 ppm	6.1249 ppm	1.0221 (SIC 20)	1.0164 ppm	1.0682 ppm	0.1260 ppm	0.5387 ppm
Concentration per Run 1	0.1277 ppm	6.1427 ppm	1.0232 ppm	1.0593 ppm	1.0667 ppm	0.1275 ppm	0.5383 ppm
Concentration per Run 2	0.1252 ppm	6.1122 ppm	1.0184 ppm	1.0009 ppm	1.0673 ppm	0.1254 ppm	0.5386 ppm
Concentration per Run 3	0.1281 ppm	6.1198 ppm	1.0247 ppm	0.9890 ppm	1.0706 ppm	0.1250 ppm	0.5392 ppm
Concentration RSD	1.2 %	0.3 %	0.3 %	3.7 %	0.2 %	1.1 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.8371 ppm	107.0076 %	103.2827 %	105.2198 %	98.5138 %	101.8776 %
Concentration per Run 1	0.8393 ppm	103.3165 %	103.1835 %	102.3576 %	98.2741 %	101.8336 %
Concentration per Run 2	0.8335 ppm	108.4211 %	103.4399 %	102.4036 %	98.7708 %	102.0949 %
Concentration per Run 3	0.8386 ppm	109.2853 %	103.2248 %	102.6846 %	98.7904 %	101.7043 %
Concentration RSD	0.4 %	3.0 %	0.1 %	0.2 %	3.5 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2108375-17 WG2108375

Analysis started at: 9/8/2025 3:58:36 PM

Comments: <Comment>

Rack: 1

Vial: 48

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0499 ppm	2.2344 ppm	0.1247 ppm	1.0263 ppm	2.1776 ppm	0.0503 ppm	11.4603 ppm
Concentration per Run 1	0.0497 ppm	2.3232 ppm	0.1210 ppm	1.0235 ppm	2.2584 ppm	0.0525 ppm	11.9478 ppm
Concentration per Run 2	0.0499 ppm	2.2028 ppm	0.1268 ppm	1.0246 ppm	2.1639 ppm	0.0497 ppm	11.3032 ppm
Concentration per Run 3	0.0500 ppm	2.1772 ppm	0.1262 ppm	1.0307 ppm	2.1104 ppm	0.0488 ppm	11.1300 ppm
Concentration RSD	0.3 %	3.5 %	2.5 %	0.4 %	3.4 %	3.8 %	3.8 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0549 ppm	0.5033 ppm	0.2053 ppm	0.2741 ppm	1.0093 ppm	11.2611 ppm	0.0032 ppm
Concentration per Run 1	0.0549 ppm	0.5035 ppm	0.2057 ppm	0.2737 ppm	1.0477 ppm	11.6452 ppm	0.0042 ppm
Concentration per Run 2	0.0547 ppm	0.5011 ppm	0.2047 ppm	0.2748 ppm	0.9881 ppm	11.1728 ppm	0.0026 ppm
Concentration per Run 3	0.0551 ppm	0.5054 ppm	0.2055 ppm	0.2739 ppm	0.9822 ppm	10.9654 ppm	0.0028 ppm
Concentration RSD	0.3 %	0.4 %	0.2 %	0.2 %	3.4 %	3.1 %	28.3 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	11.2531 ppm	0.5814 ppm	1.0190 ppm	12.2363 ppm	0.5281 ppm	0.5543 ppm	0.4288 ppm
Concentration per Run 1	11.2054 ppm	0.6048 ppm	1.0157 ppm	12.7507 ppm	0.5273 ppm	0.5537 ppm	0.4150 ppm
Concentration per Run 2	11.2630 ppm	0.5733 ppm	1.0187 ppm	12.0535 ppm	0.5283 ppm	0.5526 ppm	0.4294 ppm
Concentration per Run 3	11.2910 ppm	0.5660 ppm	1.0228 ppm	11.9048 ppm	0.5286 ppm	0.5567 ppm	0.4419 ppm
Concentration RSD	0.4 %	3.6 %	0.4 %	3.7 %	0.1 %	0.4 %	3.1 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.1255 ppm	5.9518 ppm	1.0144 [SIC 20]	1.0080 ppm	1.0573 ppm	0.1239 ppm	0.5278 ppm
Concentration per Run 1	0.1234 ppm	5.9403 ppm	1.0105 ppm	1.0486 ppm	1.0549 ppm	0.1228 ppm	0.5278 ppm
Concentration per Run 2	0.1281 ppm	5.9450 ppm	1.0139 ppm	0.9948 ppm	1.0569 ppm	0.1249 ppm	0.5273 ppm
Concentration per Run 3	0.1250 ppm	5.9701 ppm	1.0187 ppm	0.9806 ppm	1.0602 ppm	0.1240 ppm	0.5282 ppm
Concentration RSD	1.9 %	0.3 %	0.4 %	3.6 %	0.3 %	0.9 %	0.1 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.8150 ppm	106.8671 %	104.0977 %	102.7185 %	104.8161 %	98.8543 %	102.2157 %
Concentration per Run 1	0.8159 ppm	103.3972 %	104.0242 %	102.6596 %	100.8586 %	98.9351 %	102.2638 %
Concentration per Run 2	0.8115 ppm	107.8365 %	104.1336 %	102.8752 %	106.1035 %	99.1059 %	102.3128 %
Concentration per Run 3	0.8178 ppm	109.3675 %	104.1354 %	102.6207 %	107.4863 %	98.5220 %	102.0705 %
Concentration RSD	0.4 %	2.9 %	0.1 %	0.1 %	3.3 %	0.3 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2108375-18D5 WG2108375

Analysis started at: 9/8/2025 4:04:47 PM

Comments: <Comment>

Rack: 1

Vial: 49

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0001 ppm	0.0373 ppm	-0.0004 ppm	0.0070 ppm	0.0353 ppm	0.0001 ppm	0.3087 ppm
Concentration per Run 1	-0.0001 ppm	0.0467 ppm	0.0000 ppm	0.0074 ppm	0.0384 ppm	0.0001 ppm	0.3395 ppm
Concentration per Run 2	-0.0001 ppm	0.0387 ppm	-0.0013 ppm	0.0066 ppm	0.0345 ppm	0.0001 ppm	0.2992 ppm
Concentration per Run 3	-0.0002 ppm	0.0266 ppm	0.0002 ppm	0.0071 ppm	0.0329 ppm	0.0001 ppm	0.2875 ppm
Concentration RSD	32.3 %	27.1 %	227.6 %	5.6 %	8.0 %	30.9 %	8.8 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0003 ppm	0.0007 ppm	-0.0001 ppm	0.0028 ppm	0.0021 ppm	0.2194 ppm	0.0006 ppm
Concentration per Run 1	0.0002 ppm	0.0008 ppm	-0.0002 ppm	0.0028 ppm	0.0017 ppm	0.2585 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	0.0006 ppm	0.0002 ppm	0.0029 ppm	0.0030 ppm	0.1960 ppm	0.0008 ppm
Concentration per Run 3	0.0003 ppm	0.0008 ppm	-0.0004 ppm	0.0027 ppm	0.0016 ppm	0.2038 ppm	0.0007 ppm
Concentration RSD	19.9 %	11.8 %	266.8 %	3.9 %	35.8 %	15.5 %	51.9 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.1492 ppm	0.0191 ppm	0.0049 ppm	0.3617 ppm	0.0017 ppm	0.0002 ppm	0.0236 ppm
Concentration per Run 1	0.1476 ppm	0.0205 ppm	0.0055 ppm	0.3830 ppm	0.0017 ppm	0.0005 ppm	0.0265 ppm
Concentration per Run 2	0.1495 ppm	0.0191 ppm	0.0047 ppm	0.3581 ppm	0.0017 ppm	0.0002 ppm	0.0229 ppm
Concentration per Run 3	0.1506 ppm	0.0179 ppm	0.0044 ppm	0.3440 ppm	0.0018 ppm	-0.0001 ppm	0.0213 ppm
Concentration RSD	1.0 %	6.8 %	11.8 %	5.5 %	4.2 %	127.0 %	11.3 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0002 ppm	0.9452 ppm	0.0088 ppm	0.0020 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0015 ppm	0.9433 ppm	0.0102 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 2	-0.0007 ppm	0.9483 ppm	0.0099 ppm	0.0020 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 3	-0.0003 ppm	0.9440 ppm	0.0071 ppm	0.0018 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	799.1 %	0.3 %	18.3 %	11.7 %	235.6 %	87.8 %	57.8 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0633 ppm	101.1451 %	105.8792 %	104.6315 %	99.8937 %	102.9977 %	104.3710 %
Concentration per Run 1	0.0632 ppm	93.5725 %	106.1723 %	104.6389 %	92.1236 %	103.0624 %	104.7184 %
Concentration per Run 2	0.0632 ppm	103.0541 %	105.8955 %	104.6040 %	101.8076 %	102.7714 %	104.2701 %
Concentration per Run 3	0.0633 ppm	106.8086 %	105.5699 %	104.6516 %	105.7501 %	103.1595 %	104.1243 %
Concentration RSD	0.1 %	6.7 %	0.3 %	0.0 %	7.0 %	0.2 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: I2553099-09 WG2108375

Analysis started at: 9/8/2025 4:11:05 PM

Comments: <Comment>

Rack: 1

Vial: 50

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0000 ppm	0.3175 ppm	0.0007 ppm	0.0044 ppm	0.0044 ppm	0.0000 ppm	0.6255 ppm
Concentration per Run 1	-0.0001 ppm	0.3453 ppm	0.0009 ppm	0.0043 ppm	0.0048 ppm	0.0000 ppm	0.6792 ppm
Concentration per Run 2	0.0002 ppm	0.3031 ppm	-0.0001 ppm	0.0042 ppm	0.0042 ppm	0.0000 ppm	0.6053 ppm
Concentration per Run 3	0.0000 ppm	0.3040 ppm	0.0013 ppm	0.0047 ppm	0.0042 ppm	0.0000 ppm	0.5921 ppm
Concentration RSD	562.7 %	7.6 %	106.2 %	6.2 %	7.9 %	56.6 %	7.5 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0012 ppm	0.0031 ppm	0.4447 ppm	0.0990 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0013 ppm	0.0031 ppm	0.4836 ppm	0.1114 ppm	0.0017 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0013 ppm	0.0029 ppm	0.4287 ppm	0.0889 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0012 ppm	0.0033 ppm	0.4217 ppm	0.0968 ppm	0.0009 ppm
Concentration RSD	670.1 %	27.8 %	5.8 %	7.6 %	7.6 %	11.6 %	36.2 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.3327 ppm	0.0168 ppm	0.0015 ppm	1.8500 ppm	0.0014 ppm	0.0096 ppm	0.0028 ppm
Concentration per Run 1	0.3330 ppm	0.0181 ppm	0.0016 ppm	2.0006 ppm	0.0014 ppm	0.0095 ppm	0.0031 ppm
Concentration per Run 2	0.3302 ppm	0.0164 ppm	0.0015 ppm	1.8013 ppm	0.0013 ppm	0.0102 ppm	0.0025 ppm
Concentration per Run 3	0.3349 ppm	0.0159 ppm	0.0015 ppm	1.7483 ppm	0.0014 ppm	0.0092 ppm	0.0027 ppm
Concentration RSD	0.7 %	6.9 %	3.1 %	7.2 %	3.1 %	5.3 %	12.1 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0007 ppm	0.3451 ppm	0.0007 ppm	0.0013 ppm	0.0055 ppm	0.0019 ppm	0.0007 ppm
Concentration per Run 1	0.0022 ppm	0.3461 ppm	0.0011 ppm	0.0015 ppm	0.0055 ppm	0.0030 ppm	0.0007 ppm
Concentration per Run 2	0.0012 ppm	0.3451 ppm	0.0006 ppm	0.0012 ppm	0.0056 ppm	0.0019 ppm	0.0006 ppm
Concentration per Run 3	-0.0014 ppm	0.3440 ppm	0.0004 ppm	0.0011 ppm	0.0055 ppm	0.0008 ppm	0.0009 ppm
Concentration RSD	278.5 %	0.3 %	50.5 %	14.2 %	0.6 %	57.5 %	16.3 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0068 ppm	103.8867 %	105.7866 %	104.0823 %	101.9646 %	102.8761 %	104.1781 %
Concentration per Run 1	0.0069 ppm	95.9532 %	105.8812 %	103.9894 %	93.9636 %	102.7392 %	104.2478 %
Concentration per Run 2	0.0067 ppm	107.1740 %	105.9501 %	104.3465 %	104.9661 %	102.8649 %	104.2588 %
Concentration per Run 3	0.0068 ppm	108.5329 %	105.5286 %	103.9108 %	106.9642 %	103.0242 %	104.0277 %
Concentration RSD	1.0 %	6.6 %	0.2 %	0.2 %	6.9 %	0.1 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: 12553225-04 WG2108375

Analysis started at: 9/8/2025 4:17:23 PM

Comments: <Comment>

Rack: 1

Vial: 51

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0003 ppm	0.0033 ppm	-0.0018 ppm	0.0032 ppm	0.0001 ppm	0.0000 ppm	0.0259 ppm
Concentration per Run 1	0.0000 ppm	0.0084 ppm	-0.0022 ppm	0.0034 ppm	0.0000 ppm	-0.0001 ppm	0.0295 ppm
Concentration per Run 2	-0.0003 ppm	-0.0002 ppm	-0.0017 ppm	0.0031 ppm	0.0001 ppm	-0.0001 ppm	0.0283 ppm
Concentration per Run 3	-0.0004 ppm	0.0016 ppm	-0.0013 ppm	0.0030 ppm	0.0001 ppm	0.0000 ppm	0.0200 ppm
Concentration RSD	77.0 %	139.2 %	27.9 %	6.3 %	82.4 %	118.3 %	19.9 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0009 ppm	0.0004 ppm	0.0985 ppm	0.0557 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0010 ppm	0.0002 ppm	0.1080 ppm	0.0682 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0012 ppm	0.0004 ppm	0.0949 ppm	0.0719 ppm	0.0013 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.0005 ppm	0.0926 ppm	0.0269 ppm	-0.0001 ppm
Concentration RSD	245.6 %	605.3 %	33.7 %	44.0 %	8.4 %	44.8 %	503.3 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.0055 ppm	0.0011 ppm	0.0016 ppm	0.0959 ppm	0.0001 ppm	-0.0001 ppm	0.0011 ppm
Concentration per Run 1	0.0042 ppm	0.0012 ppm	0.0015 ppm	0.1088 ppm	0.0002 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 2	0.0045 ppm	0.0009 ppm	0.0016 ppm	0.0920 ppm	0.0000 ppm	-0.0008 ppm	0.0011 ppm
Concentration per Run 3	0.0079 ppm	0.0011 ppm	0.0016 ppm	0.0870 ppm	0.0003 ppm	-0.0002 ppm	0.0019 ppm
Concentration RSD	37.7 %	17.8 %	3.3 %	11.9 %	108.6 %	508.8 %	81.1 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0007 ppm	0.0236 ppm	0.0003 ppm	0.0000 ppm	-0.0002 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 1	0.0005 ppm	0.0237 ppm	0.0007 ppm	0.0001 ppm	-0.0002 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 2	0.0004 ppm	0.0234 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 3	0.0014 ppm	0.0238 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0000 ppm
Concentration RSD	73.1 %	0.9 %	112.0 %	31.2 %	105.1 %	23.9 %	231.9 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0004 ppm	102.0752 %	106.0716 %	103.9614 %	100.2594 %	102.8377 %	103.9085 %
Concentration per Run 1	0.0005 ppm	94.3800 %	106.0334 %	103.9486 %	92.5157 %	102.9549 %	103.8412 %
Concentration per Run 2	0.0004 ppm	104.6617 %	106.0644 %	104.0388 %	102.5499 %	102.6793 %	103.9487 %
Concentration per Run 3	0.0003 ppm	107.1837 %	106.1171 %	103.8967 %	105.7125 %	102.8789 %	103.9356 %
Concentration RSD	25.8 %	6.6 %	0.0 %	0.1 %	6.9 %	0.1 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: 12553399-21 WG2108375

Analysis started at: 9/8/2025 4:59:21 PM

Comments: <Comment>

Rack: 1

Vial: 52

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0000 ppm	0.0260 ppm	0.0000 ppm	0.0008 ppm	0.0008 ppm	0.0000 ppm	0.2240 ppm
Concentration per Run 1	0.0000 ppm	0.0269 ppm	0.0000 ppm	0.0007 ppm	0.0009 ppm	0.0000 ppm	0.2465 ppm
Concentration per Run 2	-0.0001 ppm	0.0246 ppm	-0.0001 ppm	0.0008 ppm	0.0008 ppm	0.0000 ppm	0.2195 ppm
Concentration per Run 3	0.0000 ppm	0.0265 ppm	-0.0007 ppm	0.0009 ppm	0.0007 ppm	-0.0001 ppm	0.2060 ppm
Concentration RSD	84.7 %	4.9 %	4.718.0 %	12.8 %	11.8 %	40.6 %	9.2 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0008 ppm	0.0517 ppm	0.0548 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0008 ppm	0.0561 ppm	0.0447 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0504 ppm	0.0476 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0007 ppm	0.0485 ppm	0.0722 ppm	0.0008 ppm
Concentration RSD	114.3 %	3.194.2 %	24.8 %	8.8 %	7.7 %	27.6 %	51.6 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0680 ppm	0.0038 ppm	-0.0002 ppm	0.2707 ppm	0.0001 ppm	0.0017 ppm	0.0010 ppm
Concentration per Run 1	0.0668 ppm	0.0040 ppm	-0.0002 ppm	0.2873 ppm	0.0002 ppm	0.0009 ppm	0.0012 ppm
Concentration per Run 2	0.0689 ppm	0.0037 ppm	-0.0004 ppm	0.2643 ppm	-0.0001 ppm	0.0020 ppm	0.0003 ppm
Concentration per Run 3	0.0683 ppm	0.0037 ppm	-0.0001 ppm	0.2606 ppm	0.0002 ppm	0.0021 ppm	0.0016 ppm
Concentration RSD	1.7 %	4.4 %	74.6 %	5.3 %	162.5 %	41.0 %	61.1 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0004 ppm	0.0333 ppm	-0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 1	0.0004 ppm	0.0337 ppm	-0.0003 ppm	0.0005 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0334 ppm	-0.0007 ppm	0.0003 ppm	-0.0001 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run 3	0.0006 ppm	0.0328 ppm	-0.0003 ppm	0.0005 ppm	-0.0002 ppm	0.0009 ppm	0.0003 ppm
Concentration RSD	75.8 %	1.4 %	46.7 %	20.7 %	820.4 %	114.9 %	147.0 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0019 ppm	103.1893 %	106.9395 %	104.8984 %	99.3936 %	102.4049 %	103.5546 %
Concentration per Run 1	0.0020 ppm	94.7929 %	107.0348 %	105.0484 %	91.3274 %	102.3755 %	103.7704 %
Concentration per Run 2	0.0019 ppm	105.9065 %	106.5717 %	104.7220 %	102.3853 %	102.0400 %	103.0661 %
Concentration per Run 3	0.0019 ppm	108.6686 %	107.2121 %	104.9248 %	104.8134 %	102.4540 %	103.8272 %
Concentration RSD	2.9 %	7.2 %	0.3 %	0.2 %	7.2 %	0.0 %	0.4 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: 12553408-01 WG2108375

Analysis started at: 9/8/2025 5:05:42 PM

Comments: <Comment>

Rack: 1

Vial: 53

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.0000 ppm	0.0008 ppm	-0.0004 ppm	0.0015 ppm	-0.0001 ppm	0.0000 ppm	0.0059 ppm
Concentration per Run 1	-0.0001 ppm	0.0047 ppm	0.0006 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0097 ppm
Concentration per Run 2	-0.0001 ppm	-0.0022 ppm	-0.0012 ppm	0.0015 ppm	-0.0001 ppm	0.0000 ppm	0.0055 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	-0.0006 ppm	0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0025 ppm
Concentration RSD	383.3 %	465.3 %	222.9 %	9.8 %	83.9 %	40.8 %	61.4 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0133 ppm	-0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0014 ppm	0.0074 ppm	-0.0019 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0003 ppm	0.0146 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0000 ppm	0.0179 ppm	0.0002 ppm
Concentration RSD	292.2 %	883.4 %	129.4 %	32.8 %	239.7 %	40.6 %	282.3 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0024 ppm	0.0002 ppm	-0.0005 ppm	0.0733 ppm	-0.0003 ppm	0.0002 ppm	0.0008 ppm
Concentration per Run 1	0.0027 ppm	0.0001 ppm	-0.0004 ppm	0.0638 ppm	-0.0003 ppm	-0.0002 ppm	0.0004 ppm
Concentration per Run 2	0.0032 ppm	0.0001 ppm	-0.0005 ppm	0.0756 ppm	-0.0003 ppm	0.0007 ppm	0.0016 ppm
Concentration per Run 3	0.0013 ppm	0.0003 ppm	-0.0004 ppm	0.0745 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm
Concentration RSD	39.6 %	72.9 %	15.6 %	4.2 %	24.1 %	242.9 %	93.6 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0001 ppm	0.0253 ppm	-0.0006 ppm	0.0000 ppm	-0.0002 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 1	0.0018 ppm	0.0253 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0006 ppm	0.0258 ppm	-0.0005 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	-0.0022 ppm	0.0248 ppm	-0.0011 ppm	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	0.0001 ppm
Concentration RSD	3,182.0 %	2.0 %	64.9 %	211.0 %	83.3 %	93.1 %	306.8 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0008 ppm	104.6101 %	106.0372 %	101.5752 %	101.5488 %	103.4219 %
Concentration per Run 1	0.0008 ppm	97.1752 %	106.0648 %	103.5890 %	101.3504 %	103.2922 %
Concentration per Run 2	0.0008 ppm	107.0750 %	105.8166 %	103.5910 %	101.6731 %	103.3914 %
Concentration per Run 3	0.0008 ppm	109.5803 %	106.2301 %	103.8525 %	101.6230 %	103.5819 %
Concentration RSD	2.4 %	6.3 %	0.2 %	0.1 %	6.4 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

CCV

Sample: 9/8/2025 5:16:36 PM

Comments <Comment>

Rack: 0

Vial: 3

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.4888 ppm	0.4914 ppm	0.4975 ppm	0.5076 ppm	0.5018 ppm	0.5019 ppm	0.4898 ppm
Concentration per Run 1	0.4872 ppm	0.5146 ppm	0.4949 ppm	0.5059 ppm	0.5243 ppm	0.5244 ppm	0.5161 ppm
Concentration per Run 2	0.4898 ppm	0.4825 ppm	0.4995 ppm	0.5087 ppm	0.4937 ppm	0.4934 ppm	0.4796 ppm
Concentration per Run 3	0.4895 ppm	0.4770 ppm	0.4981 ppm	0.5080 ppm	0.4875 ppm	0.4879 ppm	0.4736 ppm
Recovery Percentage 1	97.765 %	98.277 %	99.500 %	101.512 %	100.367 %	100.380 %	97.959 %
Concentration RSD	0.3 %	4.1 %	0.5 %	0.3 %	3.9 %	3.9 %	4.7 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.4936 ppm	0.5106 ppm	0.5126 ppm	0.5177 ppm	0.4779 ppm	5.0867 ppm	0.5137 ppm
Concentration per Run 1	0.4981 ppm	0.5089 ppm	0.5107 ppm	0.5150 ppm	0.5004 ppm	5.2933 ppm	0.5362 ppm
Concentration per Run 2	0.5004 ppm	0.5115 ppm	0.5145 ppm	0.5187 ppm	0.4700 ppm	5.0198 ppm	0.5052 ppm
Concentration per Run 3	0.5004 ppm	0.5113 ppm	0.5125 ppm	0.5194 ppm	0.4634 ppm	4.9470 ppm	0.4996 ppm
Recovery Percentage 1	99.922 %	102.112 %	102.514 %	103.539 %	95.589 %	101.734 %	102.734 %
Concentration RSD	0.3 %	0.3 %	0.4 %	0.5 %	4.1 %	3.6 %	3.8 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.5355 ppm	0.4963 ppm	0.5213 ppm	10.4221 ppm	0.5304 ppm	0.5287 ppm	0.5237 ppm
Concentration per Run 1	0.5327 ppm	0.5206 ppm	0.5195 ppm	10.8720 ppm	0.5294 ppm	0.5272 ppm	0.5216 ppm
Concentration per Run 2	0.5396 ppm	0.4878 ppm	0.5223 ppm	10.2572 ppm	0.5307 ppm	0.5298 ppm	0.5259 ppm
Concentration per Run 3	0.5344 ppm	0.4805 ppm	0.5223 ppm	10.1371 ppm	0.5311 ppm	0.5291 ppm	0.5236 ppm
Recovery Percentage 1	107.106 %	99.253 %	104.267 %	104.221 %	106.074 %	105.739 %	104.742 %
Concentration RSD	0.7 %	4.3 %	0.3 %	3.8 %	0.2 %	0.2 %	0.4 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.5110 ppm	5.5796 ppm	0.5265 ppm	0.4971 ppm	0.5251 ppm	0.5203 ppm	0.5265 ppm
Concentration per Run 1	0.5114 ppm	5.5669 ppm	0.5245 ppm	0.5205 ppm	0.5232 ppm	0.5201 ppm	0.5245 ppm
Concentration per Run 2	0.5129 ppm	5.5916 ppm	0.5288 ppm	0.4887 ppm	0.5262 ppm	0.5200 ppm	0.5282 ppm
Concentration per Run 3	0.5086 ppm	5.5804 ppm	0.5262 ppm	0.4820 ppm	0.5259 ppm	0.5209 ppm	0.5269 ppm
Recovery Percentage 1	102.190 %	106.278 %	105.301 %	99.413 %	105.015 %	104.064 %	105.303 %
Concentration RSD	0.4 %	0.2 %	0.4 %	4.1 %	0.3 %	0.1 %	0.4 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5084 ppm	105.4976 %	104.0286 %	102.9337 %	103.5797 %	98.2329 %	102.0024 %
Concentration per Run 1	0.5088 ppm	100.9366 %	104.4389 %	103.0658 %	99.9820 %	98.4399 %	102.4280 %
Concentration per Run 2	0.5091 ppm	107.4226 %	103.7496 %	102.6698 %	105.5991 %	98.0206 %	101.6001 %
Concentration per Run 3	0.5091 ppm	108.1335 %	103.8975 %	103.0654 %	106.1579 %	98.2381 %	101.9790 %
Recovery Percentage 1	101.671 %						
Concentration RSD	0.3 %	3.8 %	0.3 %	0.2 %	3.9 %	0.2 %	0.4 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

Sample: CCB
 Analysis started at: 9/8/2025 5:22:40 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0002 ppm	-0.0044 ppm	-0.0007 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0010 ppm
Concentration per Run 1	-0.0002 ppm	-0.0030 ppm	-0.0014 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	-0.0017 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0025 ppm
Concentration per Run 3	-0.0003 ppm	-0.0103 ppm	0.0011 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	-0.0015 ppm
Recovery Percentage 1	-2.726 %	-4.408 %	-13.173 %	4.095 %	-0.122 %	1.148 %	0.975 %
Concentration RSD	63.0 %	122.2 %	238.4 %	8.0 %	437.8 %	118.6 %	225.0 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0035 ppm	0.0068 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0039 ppm	-0.0032 ppm	0.0006 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0036 ppm	0.0119 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0031 ppm	0.0115 ppm	0.0007 ppm
Recovery Percentage 1	0.712 %	0.184 %	1.158 %	0.152 %	-7.055 %	0.270 %	6.609 %
Concentration RSD	98.0 %	280.0 %	72.5 %	809.4 %	11.9 %	127.4 %	8.6 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	-0.0016 ppm	0.0005 ppm	0.0008 ppm	0.0335 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 1	0.0003 ppm	0.0003 ppm	0.0011 ppm	0.0312 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 2	-0.0012 ppm	0.0007 ppm	0.0008 ppm	0.0351 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 3	-0.0038 ppm	0.0005 ppm	0.0007 ppm	0.0341 ppm	0.0002 ppm	0.0003 ppm	-0.0005 ppm
Recovery Percentage 1	-1.585 %	5.105 %	1.677 %	1.673 %	0.573 %	2.216 %	0.061 %
Concentration RSD	129.5 %	43.3 %	25.2 %	5.9 %	46.5 %	60.6 %	1.395.9 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0004 ppm	-0.0032 ppm	0.0003 ppm	0.0000 ppm	-0.0002 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	-0.0029 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run 2	-0.0002 ppm	-0.0036 ppm	0.0004 ppm	0.0000 ppm	-0.0003 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 3	-0.0011 ppm	-0.0030 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0001 ppm
Recovery Percentage 1	-3.888 %	-0.635 %	0.657 %	0.442 %	-2.299 %	1.816 %	1.067 %
Concentration RSD	150.7 %	12.3 %	55.8 %	163.1 %	27.8 %	234.5 %	71.7 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0003 ppm	103.9243 %	105.8640 %	103.3748 %	100.7520 %	100.4893 %	102.4065 %
Concentration per Run 1	-0.0002 ppm	99.7661 %	105.7373 %	103.4265 %	96.3087 %	100.5128 %	102.2255 %
Concentration per Run 2	-0.0004 ppm	104.6093 %	106.0232 %	103.4010 %	101.4767 %	100.8035 %	102.6098 %
Concentration per Run 3	-0.0002 ppm	107.3976 %	105.8315 %	103.2969 %	104.4707 %	100.1515 %	102.3843 %
Recovery Percentage 1	-5.256 %						
Concentration RSD	36.7 %	3.7 %	0.1 %	0.1 %	4.1 %	0.3 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2109752-1 WG2109752

Analysis started at: 9/8/2025 5:34:28 PM

Comments: <Comment>

Rack: 1

Vial: 56

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0001 ppm	-0.0023 ppm	-0.0004 ppm	0.0009 ppm	-0.0001 ppm	-0.0001 ppm	-0.0025 ppm
Concentration per Run 1	-0.0001 ppm	0.0010 ppm	-0.0013 ppm	0.0010 ppm	-0.0001 ppm	-0.0001 ppm	-0.0020 ppm
Concentration per Run 2	-0.0003 ppm	-0.0051 ppm	0.0016 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	-0.0040 ppm
Concentration per Run 3	0.0001 ppm	-0.0028 ppm	-0.0014 ppm	0.0009 ppm	-0.0002 ppm	-0.0001 ppm	-0.0015 ppm
Recovery Percentage 1	-1.683 %	-2.287 %	-7.159 %	2.945 %	-1.343 %	-1.114 %	-2.491 %
Concentration RSD	152.3 %	135.7 %	464.8 %	15.8 %	25.8 %	61.4 %	52.9 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0054 ppm	0.0074 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	-0.0056 ppm	0.0146 ppm	-0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0047 ppm	-0.0082 ppm	-0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0058 ppm	0.0157 ppm	0.0006 ppm
Recovery Percentage 1	-0.710 %	0.207 %	0.816 %	1.006 %	-10.730 %	0.295 %	-1.089 %
Concentration RSD	120.4 %	309.3 %	184.2 %	134.6 %	10.1 %	183.0 %	551.1 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	-0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0143 ppm	-0.0001 ppm	0.0004 ppm	-0.0011 ppm
Concentration per Run 1	-0.0016 ppm	0.0004 ppm	-0.0003 ppm	0.0067 ppm	0.0000 ppm	0.0008 ppm	-0.0008 ppm
Concentration per Run 2	0.0003 ppm	0.0003 ppm	-0.0003 ppm	0.0166 ppm	-0.0001 ppm	0.0011 ppm	-0.0016 ppm
Concentration per Run 3	0.0010 ppm	0.0004 ppm	-0.0003 ppm	0.0195 ppm	-0.0002 ppm	0.0003 ppm	-0.0008 ppm
Recovery Percentage 1	-0.095 %	3.760 %	-0.634 %	0.714 %	-0.406 %	4.008 %	-2.117 %
Concentration RSD	1.414.7 %	13.6 %	3.3 %	47.0 %	87.1 %	97.0 %	40.7 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0004 ppm	0.0033 ppm	0.0033 ppm	0.0000 ppm	-0.0003 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run 1	0.0014 ppm	0.0038 ppm	-0.0014 ppm	0.0000 ppm	-0.0003 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0032 ppm	-0.0012 ppm	0.0000 ppm	-0.0005 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run 3	-0.0004 ppm	0.0029 ppm	-0.0014 ppm	0.0001 ppm	-0.0002 ppm	0.0009 ppm	-0.0001 ppm
Recovery Percentage 1	3.551 %	0.665 %	-2.637 %	0.240 %	-3.226 %	5.278 %	0.235 %
Concentration RSD	270.6 %	13.9 %	4.9 %	216.1 %	55.1 %	24.0 %	390.5 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0004 ppm	103.6597 %	106.8785 %	104.7862 %	99.8790 %	102.3571 %	103.2249 %
Concentration per Run 1	-0.0004 ppm	96.7535 %	106.8767 %	104.9019 %	93.0888 %	102.5223 %	103.2058 %
Concentration per Run 2	-0.0004 ppm	105.5636 %	106.7767 %	104.7736 %	101.5625 %	102.3933 %	103.0749 %
Concentration per Run 3	-0.0004 ppm	108.6620 %	106.9820 %	104.6831 %	104.9856 %	102.1556 %	103.3940 %
Recovery Percentage 1	-7.992 %						
Concentration RSD	4.9 %	6.0 %	0.1 %	0.1 %	6.1 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2109752-2 WG2109752

Analysis started at: 9/8/2025 5:40:50 PM

Comments: <Comment>

Rack: 1

Vial: 57

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0518 ppm	2.1569 ppm	0.1224 ppm	0.9983 ppm	2.1135 ppm	0.0524 ppm	10.2984 ppm
Concentration per Run 1	0.0518 ppm	2.3245 ppm	0.1234 ppm	1.0007 ppm	2.2974 ppm	0.0565 ppm	11.1070 ppm
Concentration per Run 2	0.0515 ppm	2.1050 ppm	0.1216 ppm	0.9970 ppm	2.0293 ppm	0.0512 ppm	10.0460 ppm
Concentration per Run 3	0.0520 ppm	2.0411 ppm	0.1221 ppm	0.9972 ppm	2.0139 ppm	0.0496 ppm	9.7424 ppm
Concentration RSD	0.5 %	6.9 %	0.8 %	0.2 %	7.5 %	6.9 %	7.0 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0540 ppm	0.5056 ppm	0.2054 ppm	0.2607 ppm	1.0226 ppm	10.5575 ppm	-0.0004 ppm
Concentration per Run 1	0.0541 ppm	0.5054 ppm	0.2064 ppm	0.2605 ppm	1.0946 ppm	11.3389 ppm	-0.0004 ppm
Concentration per Run 2	0.0538 ppm	0.5050 ppm	0.2060 ppm	0.2600 ppm	1.0030 ppm	10.3295 ppm	-0.0013 ppm
Concentration per Run 3	0.0542 ppm	0.5066 ppm	0.2069 ppm	0.2616 ppm	0.9701 ppm	10.0042 ppm	0.0006 ppm
Concentration RSD	0.4 %	0.2 %	0.2 %	0.3 %	6.3 %	6.6 %	263.9 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.4600 ppm	0.5179 ppm	1.0337 ppm	10.6102 ppm	0.5290 ppm	0.5539 ppm	0.4658 ppm
Concentration per Run 1	10.4362 ppm	0.5571 ppm	1.0332 ppm	11.3949 ppm	0.5296 ppm	0.5553 ppm	0.4579 ppm
Concentration per Run 2	10.4358 ppm	0.5065 ppm	1.0318 ppm	10.3556 ppm	0.5276 ppm	0.5506 ppm	0.4643 ppm
Concentration per Run 3	10.5081 ppm	0.4900 ppm	1.0361 ppm	10.0801 ppm	0.5297 ppm	0.5558 ppm	0.4751 ppm
Concentration RSD	0.4 %	6.8 %	0.2 %	6.5 %	0.2 %	0.5 %	1.9 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1221 ppm	1.2155 ppm	1.0092 (SIC 20)	1.0169 ppm	1.0564 ppm	0.1213 ppm	0.5352 ppm
Concentration per Run 1	0.1227 ppm	1.2178 ppm	1.0106 ppm	1.0943 ppm	1.0553 ppm	0.1222 ppm	0.5341 ppm
Concentration per Run 2	0.1216 ppm	1.2097 ppm	1.0048 ppm	0.9917 ppm	1.0566 ppm	0.1203 ppm	0.5349 ppm
Concentration per Run 3	0.1219 ppm	1.2191 ppm	1.0120 ppm	0.9648 ppm	1.0572 ppm	0.1213 ppm	0.5368 ppm
Concentration RSD	0.5 %	0.4 %	0.4 %	6.7 %	0.1 %	0.8 %	0.3 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5087 ppm	103.4489 %	103.8445 %	102.1087 %	101.2898 %	97.8412 %	101.9310 %
Concentration per Run 1	0.5096 ppm	96.1250 %	104.1214 %	102.2654 %	93.7681 %	97.8716 %	102.1332 %
Concentration per Run 2	0.5074 ppm	105.6357 %	103.9759 %	101.9916 %	103.5240 %	98.0015 %	102.0194 %
Concentration per Run 3	0.5093 ppm	108.5859 %	103.4363 %	102.0691 %	106.5772 %	97.6506 %	101.6404 %
Concentration RSD	0.2 %	6.3 %	0.3 %	0.1 %	6.6 %	0.2 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2554233-03.WG2109752

Analysis started at: 9/8/2025 5:47:02 PM

Comments: <Comment>

Rack: 1

Vial: 58

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0003 ppm	-0.0027 ppm	-0.0005 ppm	0.0036 ppm	0.0001 ppm	-0.0001 ppm	0.0312 ppm
Concentration per Run 1	-0.0004 ppm	-0.0013 ppm	0.0000 ppm	0.0037 ppm	0.0002 ppm	0.0000 ppm	0.0329 ppm
Concentration per Run 2	-0.0002 ppm	0.0000 ppm	-0.0006 ppm	0.0036 ppm	0.0001 ppm	-0.0001 ppm	0.0324 ppm
Concentration per Run 3	-0.0004 ppm	-0.0009 ppm	-0.0010 ppm	0.0037 ppm	0.0000 ppm	0.0000 ppm	0.0283 ppm
Concentration RSD	41.7 %	133.7 %	94.8 %	1.3 %	97.4 %	44.6 %	8.0 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0041 ppm	0.0087 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0049 ppm	0.0323 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	-0.0043 ppm	-0.0011 ppm	-0.0011 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0032 ppm	-0.0017 ppm	0.0003 ppm
Concentration RSD	69.8 %	228.7 %	121.5 %	153.7 %	20.8 %	237.7 %	3.870.4 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0054 ppm	0.0003 ppm	0.0027 ppm	0.0595 ppm	0.0000 ppm	0.0007 ppm	0.0069 ppm
Concentration per Run 1	0.0056 ppm	0.0002 ppm	0.0031 ppm	0.0536 ppm	0.0001 ppm	0.0010 ppm	0.0074 ppm
Concentration per Run 2	0.0048 ppm	0.0004 ppm	0.0027 ppm	0.0558 ppm	0.0002 ppm	0.0011 ppm	0.0065 ppm
Concentration per Run 3	0.0057 ppm	0.0002 ppm	0.0023 ppm	0.0693 ppm	-0.0002 ppm	0.0001 ppm	0.0067 ppm
Concentration RSD	9.1 %	46.7 %	15.3 %	14.3 %	1.378.9 %	72.5 %	6.5 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0012 ppm	0.0076 ppm	0.0019 ppm	0.0002 ppm	-0.0001 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 1	-0.0019 ppm	0.0072 ppm	0.0023 ppm	0.0003 ppm	-0.0002 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run 2	-0.0015 ppm	0.0075 ppm	0.0020 ppm	0.0002 ppm	-0.0002 ppm	-0.0015 ppm	0.0001 ppm
Concentration per Run 3	-0.0002 ppm	0.0080 ppm	0.0014 ppm	0.0002 ppm	-0.0001 ppm	-0.0019 ppm	0.0001 ppm
Concentration RSD	71.2 %	5.6 %	25.6 %	34.9 %	53.3 %	135.1 %	244.5 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0001 ppm	102.5294 %	107.0002 %	104.7846 %	99.1548 %	102.6993 %	103.9901 %
Concentration per Run 1	-0.0001 ppm	95.6288 %	107.2824 %	104.7373 %	92.1913 %	102.5488 %	104.1249 %
Concentration per Run 2	-0.0001 ppm	104.5045 %	106.7715 %	104.7734 %	101.1767 %	103.0408 %	103.9414 %
Concentration per Run 3	-0.0001 ppm	107.3548 %	106.9466 %	104.8430 %	104.0964 %	102.5102 %	103.9041 %
Concentration RSD	15.0 %	6.0 %	0.2 %	0.1 %	6.3 %	0.3 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2109752-3 WG2109752

Analysis started at: 9/8/2025 5:53:24 PM

Comments: <Comment>

Rack: 1

Vial: 59

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0524 ppm	2.1633 ppm	0.1239 ppm	1.0138 ppm	2.1012 ppm	0.0522 ppm	10.3232 ppm
Concentration per Run 1	0.0520 ppm	2.3242 ppm	0.1251 ppm	1.0082 ppm	2.2497 ppm	0.0560 ppm	11.0340 ppm
Concentration per Run 2	0.0527 ppm	2.1131 ppm	0.1246 ppm	1.0187 ppm	2.0749 ppm	0.0511 ppm	10.0926 ppm
Concentration per Run 3	0.0525 ppm	2.0526 ppm	0.1220 ppm	1.0146 ppm	1.9789 ppm	0.0496 ppm	9.8431 ppm
Concentration RSD	0.6 %	6.6 %	1.4 %	0.5 %	6.5 %	6.4 %	6.1 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0540 ppm	0.5047 ppm	0.2054 ppm	0.2619 ppm	1.0196 ppm	10.5742 ppm	0.0004 ppm
Concentration per Run 1	0.0538 ppm	0.5022 ppm	0.2071 ppm	0.2620 ppm	1.0917 ppm	11.3115 ppm	0.0005 ppm
Concentration per Run 2	0.0541 ppm	0.5066 ppm	0.2055 ppm	0.2618 ppm	0.9961 ppm	10.3361 ppm	0.0004 ppm
Concentration per Run 3	0.0541 ppm	0.5053 ppm	0.2065 ppm	0.2618 ppm	0.9710 ppm	10.0749 ppm	0.0004 ppm
Concentration RSD	0.3 %	0.4 %	0.4 %	0.0 %	6.2 %	6.2 %	6.4 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.15001 ppm	0.5167 ppm	1.0251 ppm	10.5673 ppm	0.5280 ppm	0.5533 ppm	0.4526 ppm
Concentration per Run 1	0.14820 ppm	0.5540 ppm	1.0193 ppm	11.3039 ppm	0.5250 ppm	0.5521 ppm	0.4418 ppm
Concentration per Run 2	0.14754 ppm	0.5035 ppm	1.0284 ppm	10.3380 ppm	0.5303 ppm	0.5541 ppm	0.4543 ppm
Concentration per Run 3	0.15427 ppm	0.4927 ppm	1.0277 ppm	10.0600 ppm	0.5286 ppm	0.5535 ppm	0.4617 ppm
Concentration RSD	0.4 %	6.3 %	0.5 %	6.2 %	0.5 %	0.2 %	2.2 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1255 ppm	1.2178 ppm	1.2179 ppm	1.0287 ppm	1.0542 ppm	0.1229 ppm	0.5353 ppm
Concentration per Run 1	0.1250 ppm	1.2179 ppm	0.9969 ppm	1.1033 ppm	1.0637 ppm	0.1204 ppm	0.5351 ppm
Concentration per Run 2	0.1267 ppm	1.2194 ppm	1.0009 ppm	1.0047 ppm	1.0520 ppm	0.1232 ppm	0.5337 ppm
Concentration per Run 3	0.1248 ppm	1.2160 ppm	1.0037 ppm	0.9781 ppm	1.0568 ppm	0.1251 ppm	0.5369 ppm
Concentration RSD	0.9 %	0.1 %	0.3 %	6.4 %	0.2 %	1.9 %	0.3 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5112 ppm	103.9039 %	103.5033 %	102.1384 %	101.7580 %	98.4661 %	101.8516 %
Concentration per Run 1	0.5087 ppm	98.0199 %	103.8132 %	101.9706 %	95.7531 %	98.7735 %	102.0738 %
Concentration per Run 2	0.5126 ppm	106.0505 %	103.2440 %	102.3043 %	103.8645 %	98.1436 %	101.8286 %
Concentration per Run 3	0.5123 ppm	107.6413 %	103.4528 %	102.1403 %	105.6565 %	98.4811 %	101.6523 %
Concentration RSD	0.4 %	5.0 %	0.3 %	0.2 %	5.2 %	0.3 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2109752-4 WG2109752

Analysis started at: 9/8/2025 5:59:36 PM

Comments: <Comment>

Rack: 1

Vial: 60

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0002 ppm	-0.0003 ppm	-0.0004 ppm	0.0043 ppm	0.0003 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 1	-0.0002 ppm	0.0050 ppm	-0.0007 ppm	0.0044 ppm	0.0006 ppm	-0.0001 ppm	0.0022 ppm
Concentration per Run 2	-0.0005 ppm	0.0017 ppm	-0.0005 ppm	0.0044 ppm	0.0003 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 3	0.0000 ppm	-0.0076 ppm	-0.0001 ppm	0.0043 ppm	0.0000 ppm	-0.0001 ppm	0.0005 ppm
Concentration RSD	105.3 %	1,910.7 %	72.0 %	1.4 %	102.5 %	40.7 %	64.3 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0039 ppm	-0.0042 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0048 ppm	-0.0110 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	-0.0038 ppm	0.0157 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0000 ppm	-0.0031 ppm	-0.0172 ppm	0.0006 ppm
Concentration RSD	637.4 %	354.1 %	30.9 %	74.0 %	22.4 %	420.0 %	27.7 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	-0.0003 ppm	0.0002 ppm	0.0037 ppm	0.0226 ppm	-0.0002 ppm	0.0003 ppm	0.0099 ppm
Concentration per Run 1	-0.0004 ppm	0.0001 ppm	0.0041 ppm	0.0171 ppm	-0.0003 ppm	0.0000 ppm	0.0104 ppm
Concentration per Run 2	0.0004 ppm	0.0005 ppm	0.0036 ppm	0.0213 ppm	0.0000 ppm	0.0006 ppm	0.0101 ppm
Concentration per Run 3	-0.0007 ppm	0.0000 ppm	0.0033 ppm	0.0294 ppm	-0.0002 ppm	0.0002 ppm	0.0091 ppm
Concentration RSD	232.1 %	132.5 %	11.9 %	27.6 %	103.0 %	111.4 %	7.0 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0006 ppm	0.0059 ppm	0.0032 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	-0.0015 ppm	0.0064 ppm	0.0038 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 2	-0.0001 ppm	0.0055 ppm	0.0032 ppm	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 3	-0.0002 ppm	0.0057 ppm	0.0026 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0002 ppm
Concentration RSD	139.5 %	8.3 %	19.3 %	51.7 %	642.8 %	735.1 %	141.3 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0006 ppm	102.5248 %	106.6987 %	104.4145 %	99.2916 %	102.6434 %	103.9761 %
Concentration per Run 1	-0.0007 ppm	94.2810 %	106.9166 %	104.5947 %	90.7103 %	102.5468 %	104.1086 %
Concentration per Run 2	-0.0006 ppm	105.5414 %	106.6292 %	104.1918 %	101.9309 %	102.9354 %	103.9182 %
Concentration per Run 3	-0.0005 ppm	107.7520 %	106.5502 %	104.4570 %	105.2335 %	102.4480 %	103.9016 %
Concentration RSD	13.7 %	7.0 %	0.2 %	0.2 %	7.7 %	0.3 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2109752-5 WG2109752

Analysis started at: 9/8/2025 6:05:59 PM

Comments: <Comment>

Rack: 2

Vial: 1

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0499 ppm	2.0915 ppm	0.1233 ppm	1.0130 ppm	2.0265 ppm	0.0507 ppm	10.2185 ppm
Concentration per Run 1	0.0498 ppm	2.2131 ppm	0.1227 ppm	1.0142 ppm	2.1254 ppm	0.0537 ppm	10.8503 ppm
Concentration per Run 2	0.0501 ppm	2.0551 ppm	0.1248 ppm	1.0150 ppm	2.0096 ppm	0.0497 ppm	10.0381 ppm
Concentration per Run 3	0.0499 ppm	2.0065 ppm	0.1225 ppm	1.0099 ppm	1.9445 ppm	0.0486 ppm	9.7670 ppm
Concentration RSD	0.3 %	5.2 %	1.0 %	0.3 %	4.5 %	5.4 %	5.5 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0535 ppm	0.4977 ppm	0.2037 ppm	0.2588 ppm	0.9928 ppm	10.4551 ppm	-0.0001 ppm
Concentration per Run 1	0.0536 ppm	0.4997 ppm	0.2038 ppm	0.2588 ppm	1.0562 ppm	11.0381 ppm	0.0002 ppm
Concentration per Run 2	0.0534 ppm	0.4979 ppm	0.2038 ppm	0.2581 ppm	0.9756 ppm	10.2659 ppm	0.0005 ppm
Concentration per Run 3	0.0533 ppm	0.4955 ppm	0.2035 ppm	0.2594 ppm	0.9466 ppm	10.0614 ppm	-0.0009 ppm
Concentration RSD	0.3 %	0.4 %	0.1 %	0.3 %	5.7 %	4.9 %	860.7 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.5456 ppm	0.5007 ppm	1.0194 ppm	10.5013 ppm	0.5191 ppm	0.5570 ppm	0.4155 ppm
Concentration per Run 1	10.5003 ppm	0.5302 ppm	1.0205 ppm	11.1048 ppm	0.5217 ppm	0.5578 ppm	0.4030 ppm
Concentration per Run 2	10.5688 ppm	0.4917 ppm	1.0195 ppm	10.3057 ppm	0.5178 ppm	0.5574 ppm	0.4170 ppm
Concentration per Run 3	10.5698 ppm	0.4801 ppm	1.0182 ppm	10.0932 ppm	0.5179 ppm	0.5558 ppm	0.4264 ppm
Concentration RSD	0.4 %	5.2 %	0.1 %	5.1 %	0.4 %	0.2 %	2.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1244 ppm	1.1610 ppm	1.0103 [SIC 20]	1.0115 ppm	1.0557 ppm	0.1233 ppm	0.5274 ppm
Concentration per Run 1	0.1215 ppm	1.1631 ppm	1.0117 ppm	1.0740 ppm	1.0539 ppm	0.1246 ppm	0.5264 ppm
Concentration per Run 2	0.1266 ppm	1.1610 ppm	1.0112 ppm	0.9927 ppm	1.0546 ppm	0.1238 ppm	0.5275 ppm
Concentration per Run 3	0.1252 ppm	1.1589 ppm	1.0080 ppm	0.9678 ppm	1.0585 ppm	0.1216 ppm	0.5283 ppm
Concentration RSD	2.1 %	0.2 %	0.2 %	5.5 %	0.2 %	1.3 %	0.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Sc 361.384 (450) Axial)	Sc 361.384 (448) Axial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5042 ppm	105.6290 %	103.8895 %	102.1793 %	103.8911 %	98.8004 %	102.2667 %
Concentration per Run 1	0.5069 ppm	100.6009 %	104.1728 %	102.2617 %	98.5649 %	98.5328 %	102.5704 %
Concentration per Run 2	0.5028 ppm	106.4137 %	103.7603 %	102.1162 %	104.8267 %	98.7783 %	102.1056 %
Concentration per Run 3	0.5030 ppm	109.8723 %	103.7355 %	102.1601 %	108.2818 %	99.0902 %	102.1243 %
Concentration RSD	0.5 %	4.4 %	0.2 %	0.1 %	4.7 %	0.3 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2109752-6D5 WG2109752

Analysis started at: 9/8/2025 6:12:10 PM

Comments: <Comment>

Rack: 2

Vial: 2

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0001 ppm	-0.0014 ppm	-0.0004 ppm	0.0041 ppm	0.0001 ppm	0.0000 ppm	0.0079 ppm
Concentration per Run 1	-0.0001 ppm	-0.0032 ppm	0.0008 ppm	0.0039 ppm	0.0003 ppm	0.0000 ppm	0.0075 ppm
Concentration per Run 2	0.0001 ppm	-0.0020 ppm	-0.0015 ppm	0.0045 ppm	0.0001 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run 3	-0.0002 ppm	0.0111 ppm	-0.0007 ppm	0.0038 ppm	0.0001 ppm	0.0000 ppm	0.0093 ppm
Concentration RSD	164.0 %	161.3 %	261.9 %	9.9 %	87.7 %	35.5 %	15.7 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	-0.0036 ppm	0.0191 ppm	0.0011 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0004 ppm	-0.0004 ppm	-0.0031 ppm	0.0116 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0037 ppm	0.0101 ppm	0.0019 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0039 ppm	0.0357 ppm	0.0005 ppm
Concentration RSD	91.5 %	388.3 %	149.1 %	213.4 %	11.5 %	74.9 %	63.4 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.0023 ppm	0.0002 ppm	0.0046 ppm	0.0414 ppm	0.0001 ppm	0.0006 ppm	0.0217 ppm
Concentration per Run 1	0.0015 ppm	0.0002 ppm	0.0053 ppm	0.0412 ppm	0.0003 ppm	0.0003 ppm	0.0239 ppm
Concentration per Run 2	0.0032 ppm	0.0003 ppm	0.0046 ppm	0.0377 ppm	0.0001 ppm	0.0008 ppm	0.0213 ppm
Concentration per Run 3	0.0023 ppm	0.0000 ppm	0.0039 ppm	0.0452 ppm	-0.0002 ppm	0.0005 ppm	0.0200 ppm
Concentration RSD	34.5 %	78.4 %	14.8 %	9.1 %	406.3 %	46.0 %	9.2 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0006 ppm	-0.0019 ppm	0.0068 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	-0.0004 ppm	-0.0022 ppm	0.0082 ppm	0.0003 ppm	0.0001 ppm	-0.0011 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	-0.0021 ppm	0.0071 ppm	0.0001 ppm	0.0001 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run 3	-0.0013 ppm	-0.0015 ppm	0.0051 ppm	0.0001 ppm	-0.0002 ppm	0.0008 ppm	0.0000 ppm
Concentration RSD	128.3 %	20.9 %	23.0 %	97.0 %	2,042.4 %	346.7 %	76.1 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0001 ppm	106.7643 %	105.7483 %	103.3953 %	104.2818 %	101.1683 %	102.9645 %
Concentration per Run 1	-0.0001 ppm	104.9049 %	105.9402 %	103.4846 %	102.0420 %	101.2707 %	103.0849 %
Concentration per Run 2	-0.0002 ppm	107.2545 %	105.7251 %	103.3268 %	105.0150 %	101.3278 %	102.9373 %
Concentration per Run 3	-0.0001 ppm	108.1334 %	105.5797 %	103.3746 %	105.7884 %	100.9063 %	102.8712 %
Concentration RSD	35.8 %	1.6 %	0.2 %	0.1 %	1.9 %	0.2 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2554590-01.WG2109752

Analysis started at: 9/8/2025 6:18:31 PM

Comments <Comment>

Rack: 2

Vial: 3

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0001 ppm	0.0173 ppm	0.0014 ppm	0.0156 ppm	0.0154 ppm	0.0000 ppm	7.9712 ppm
Concentration per Run 1	0.0001 ppm	0.0165 ppm	0.0019 ppm	0.0157 ppm	0.0166 ppm	0.0000 ppm	8.5827 ppm
Concentration per Run 2	0.0000 ppm	0.0223 ppm	0.0005 ppm	0.0157 ppm	0.0149 ppm	-0.0001 ppm	7.7589 ppm
Concentration per Run 3	-0.0004 ppm	0.0131 ppm	0.0018 ppm	0.0155 ppm	0.0147 ppm	0.0000 ppm	7.5719 ppm
Concentration RSD	311.5 %	26.9 %	53.5 %	0.8 %	6.8 %	65.1 %	6.7 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0007 ppm	0.0004 ppm	0.0023 ppm	0.2660 ppm	0.1813 ppm	29.1366 ppm	0.0155 ppm
Concentration per Run 1	0.0006 ppm	0.0004 ppm	0.0024 ppm	0.2667 ppm	0.1939 ppm	31.0020 ppm	0.0165 ppm
Concentration per Run 2	0.0007 ppm	0.0004 ppm	0.0024 ppm	0.2667 ppm	0.1776 ppm	28.4960 ppm	0.0154 ppm
Concentration per Run 3	0.0007 ppm	0.0003 ppm	0.0020 ppm	0.2647 ppm	0.1723 ppm	27.9118 ppm	0.0146 ppm
Concentration RSD	5.7 %	18.9 %	10.0 %	0.4 %	6.2 %	5.6 %	6.4 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	1.4434 ppm	0.0119 ppm	0.0017 ppm	1,294.3344 [SIC 500]	0.0042 ppm	-0.0006 ppm	0.0054 ppm
Concentration per Run 1	1.4362 ppm	0.0126 ppm	0.0018 ppm	1,424.0006 ppm	0.0041 ppm	-0.0011 ppm	0.0057 ppm
Concentration per Run 2	1.4453 ppm	0.0118 ppm	0.0017 ppm	1,251.5100 ppm	0.0047 ppm	-0.0006 ppm	0.0050 ppm
Concentration per Run 3	1.4487 ppm	0.0113 ppm	0.0014 ppm	1,207.4925 ppm	0.0039 ppm	-0.0001 ppm	0.0054 ppm
Concentration RSD	0.4 %	5.6 %	11.7 %	8.8 %	9.4 %	90.4 %	5.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0014 ppm	1.6083 ppm	0.0015 ppm	0.0805 ppm	0.0000 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run 1	-0.0004 ppm	1.6145 ppm	0.0021 ppm	0.0866 ppm	0.0003 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 2	-0.0008 ppm	1.6162 ppm	0.0015 ppm	0.0783 ppm	0.0000 ppm	-0.0011 ppm	0.0005 ppm
Concentration per Run 3	-0.0030 ppm	1.5943 ppm	0.0010 ppm	0.0766 ppm	-0.0003 ppm	-0.0028 ppm	0.0000 ppm
Concentration RSD	103.4 %	0.8 %	33.9 %	6.6 %	1,258.2 %	249.5 %	109.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0794 ppm	98.1905 %	85.3446 %	88.1898 %	96.4897 %	76.6037 %	83.7284 %
Concentration per Run 1	0.0792 ppm	92.0302 %	85.3465 %	88.5208 %	89.9671 %	76.5812 %	83.7767 %
Concentration per Run 2	0.0797 ppm	100.4119 %	87.9265 %	87.9265 %	98.7536 %	76.2810 %	83.8363 %
Concentration per Run 3	0.0794 ppm	102.1295 %	85.0363 %	88.1221 %	100.7485 %	76.9489 %	83.5722 %
Concentration RSD	0.3 %	5.5 %	0.4 %	0.3 %	5.9 %	0.4 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: EL2553166-02 WG2108173

Analysis started at: 9/8/2025 6:24:56 PM

Comments: <Comment>

Rack: 2

Vial: 9

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0007 ppm	0.1011 ppm	0.0045 ppm	4.8459 ppm	0.0012 ppm	-0.0001 ppm	328.9696 ppm
Concentration per Run 1	-0.0007 ppm	0.1033 ppm	0.0068 ppm	4.7366 ppm	0.0010 ppm	-0.0001 ppm	337.2196 ppm
Concentration per Run 2	-0.0007 ppm	0.1043 ppm	0.0038 ppm	4.9005 ppm	0.0015 ppm	0.0000 ppm	312.7541 ppm
Concentration per Run 3	-0.0007 ppm	0.0955 ppm	0.0030 ppm	4.9006 ppm	0.0011 ppm	-0.0001 ppm	336.9349 ppm
Concentration RSD	4.8 %	4.8 %	44.3 %	2.0 %	21.5 %	67.0 %	4.3 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	-0.0031 ppm	0.0009 ppm	0.0009 ppm	0.0013 ppm	0.1446 ppm	419.1825 ppm	0.3068 ppm
Concentration per Run 1	-0.0031 ppm	0.0009 ppm	-0.0001 ppm	0.0013 ppm	0.1474 ppm	440.2945 ppm	0.3160 ppm
Concentration per Run 2	-0.0031 ppm	0.0008 ppm	0.0001 ppm	0.0013 ppm	0.1431 ppm	392.6298 ppm	0.3062 ppm
Concentration per Run 3	-0.0031 ppm	0.0010 ppm	-0.0002 ppm	0.0013 ppm	0.1432 ppm	424.6230 ppm	0.2983 ppm
Concentration RSD	0.7 %	9.3 %	291.6 %	2.5 %	1.7 %	5.8 %	2.9 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	1,160.6206 [SIC 500]	0.0204 ppm	0.0112 ppm	1,299.8975 [SIC 500]	-0.0011 ppm	-0.0038 ppm	0.0061 ppm
Concentration per Run 1	1,146.0854 ppm	0.0209 ppm	0.0110 ppm	1,348.8191 ppm	-0.0016 ppm	-0.0041 ppm	0.0084 ppm
Concentration per Run 2	1,158.2671 ppm	0.0198 ppm	0.0113 ppm	1,251.4653 ppm	-0.0010 ppm	-0.0041 ppm	0.0081 ppm
Concentration per Run 3	1,177.5093 ppm	0.0205 ppm	0.0111 ppm	1,299.4083 ppm	-0.0008 ppm	-0.0030 ppm	0.0017 ppm
Concentration RSD	1.4 %	2.7 %	1.5 %	3.7 %	32.8 %	16.7 %	62.4 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0035 ppm	0.4845 ppm	0.0015 ppm	6.6815 ppm	0.0021 ppm	-0.0018 ppm	0.0015 ppm
Concentration per Run 1	-0.0041 ppm	0.4744 ppm	0.0021 ppm	6.9969 ppm	0.0019 ppm	-0.0048 ppm	0.0014 ppm
Concentration per Run 2	0.0001 ppm	0.4904 ppm	0.0014 ppm	6.3359 ppm	0.0023 ppm	-0.0042 ppm	0.0016 ppm
Concentration per Run 3	-0.0067 ppm	0.4888 ppm	0.0012 ppm	6.7118 ppm	0.0021 ppm	0.0036 ppm	0.0014 ppm
Concentration RSD	97.3 %	1.8 %	29.6 %	5.0 %	10.2 %	265.6 %	9.6 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0039 ppm	78.6739 %	64.4590 %	65.7052 %	77.1900 %	53.2905 %	63.0697 %
Concentration per Run 1	0.0043 ppm	77.6253 %	64.8373 %	66.2831 %	75.7769 %	54.1618 %	63.4197 %
Concentration per Run 2	0.0035 ppm	81.9862 %	63.8049 %	65.3144 %	80.8155 %	52.7137 %	62.5836 %
Concentration per Run 3	0.0039 ppm	76.4103 %	64.7349 %	65.5183 %	74.9777 %	52.9961 %	63.2058 %
Concentration RSD	10.2 %	3.7 %	0.9 %	0.8 %	4.1 %	1.4 %	0.7 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2553166-02D10.WG2108173

Analysis started at: 9/8/2025 6:34:19 PM

Comments: <Comment>

Rack: 2

Vial: 10

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0002 ppm	0.0071 ppm	-0.0009 ppm	0.4697 ppm	0.0000 ppm	-0.0001 ppm	35.3259 ppm
Concentration per Run 1	-0.0001 ppm	0.0066 ppm	-0.0007 ppm	0.4688 ppm	0.0001 ppm	-0.0001 ppm	38.1831 ppm
Concentration per Run 2	-0.0003 ppm	0.0057 ppm	-0.0027 ppm	0.4711 ppm	-0.0001 ppm	-0.0001 ppm	34.2517 ppm
Concentration per Run 3	-0.0003 ppm	0.0090 ppm	0.0007 ppm	0.4692 ppm	0.0000 ppm	0.0000 ppm	33.5429 ppm
Concentration RSD	52.7 %	24.4 %	187.0 %	0.3 %	486.0 %	50.0 %	7.1 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	-0.0003 ppm	0.0004 ppm	0.0004 ppm	0.0016 ppm	0.0123 ppm	43.9257 ppm	0.0265 ppm
Concentration per Run 1	-0.0003 ppm	0.0004 ppm	0.0002 ppm	0.0015 ppm	0.0138 ppm	47.4294 ppm	0.0278 ppm
Concentration per Run 2	-0.0004 ppm	0.0003 ppm	0.0004 ppm	0.0016 ppm	0.0109 ppm	42.5300 ppm	0.0263 ppm
Concentration per Run 3	-0.0002 ppm	0.0004 ppm	0.0005 ppm	0.0016 ppm	0.0121 ppm	41.8177 ppm	0.0254 ppm
Concentration RSD	29.3 %	16.7 %	38.8 %	3.5 %	11.7 %	7.0 %	4.7 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	122.4551 ppm	0.0025 ppm	0.0011 ppm	744.5728 [SIC 500]	-0.0005 ppm	-0.0001 ppm	0.0010 ppm
Concentration per Run 1	122.0663 ppm	0.0027 ppm	0.0011 ppm	815.6905 ppm	-0.0007 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 2	122.9111 ppm	0.0023 ppm	0.0010 ppm	713.2973 ppm	-0.0006 ppm	-0.0001 ppm	0.0023 ppm
Concentration per Run 3	122.3880 ppm	0.0024 ppm	0.0011 ppm	704.7307 ppm	-0.0003 ppm	-0.0003 ppm	-0.0010 ppm
Concentration RSD	0.3 %	8.5 %	8.4 %	8.3 %	38.9 %	119.1 %	177.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0004 ppm	0.0382 ppm	0.0009 ppm	0.6984 ppm	0.0005 ppm	-0.0017 ppm	0.0001 ppm
Concentration per Run 1	-0.0004 ppm	0.0373 ppm	0.0006 ppm	0.7534 ppm	0.0003 ppm	-0.0014 ppm	0.0004 ppm
Concentration per Run 2	-0.0005 ppm	0.0376 ppm	0.0009 ppm	0.6772 ppm	0.0006 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run 3	-0.0003 ppm	0.0396 ppm	0.0011 ppm	0.6644 ppm	0.0005 ppm	-0.0026 ppm	0.0000 ppm
Concentration RSD	20.5 %	3.2 %	27.9 %	6.9 %	35.0 %	49.1 %	183.4 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0004 ppm	95.3258 ppm	87.9870 ppm	89.1429 ppm	94.3870 ppm	76.9187 ppm	86.9701 ppm
Concentration per Run 1	0.0005 ppm	88.5677 ppm	87.7272 ppm	88.8487 ppm	87.6473 ppm	76.8473 ppm	86.7858 ppm
Concentration per Run 2	0.0004 ppm	98.0636 ppm	88.0127 ppm	89.1968 ppm	96.8489 ppm	76.9509 ppm	86.9814 ppm
Concentration per Run 3	0.0004 ppm	99.3460 ppm	88.2212 ppm	89.3833 ppm	98.6648 ppm	76.9580 ppm	87.1433 ppm
Concentration RSD	13.4 %	6.2 %	0.3 %	0.3 %	6.3 %	0.1 %	0.2 %

ICP DataTrace 5

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LabBook: WG2111813_09082025T5.imexp

CCV

Sample: 9/8/2025 6:48:06 PM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.4901 ppm	0.4886 ppm	0.4944 ppm	0.5035 ppm	0.4988 ppm	0.4921 ppm	0.4872 ppm
Concentration per Run 1	0.4898 ppm	0.4937 ppm	0.4952 ppm	0.5050 ppm	0.5083 ppm	0.5017 ppm	0.4977 ppm
Concentration per Run 2	0.4900 ppm	0.4874 ppm	0.4932 ppm	0.5029 ppm	0.4960 ppm	0.4896 ppm	0.4848 ppm
Concentration per Run 3	0.4906 ppm	0.4847 ppm	0.4947 ppm	0.5025 ppm	0.4922 ppm	0.4851 ppm	0.4790 ppm
Recovery Percentage 1	98.028 %	97.726 %	98.878 %	100.696 %	99.765 %	98.425 %	97.439 %
Concentration RSD	0.1 %	0.9 %	0.2 %	0.3 %	1.7 %	1.8 %	2.0 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.5031 ppm	0.5088 ppm	0.5181 ppm	0.5172 ppm	0.4684 ppm	5.4180 ppm	0.5191 ppm
Concentration per Run 1	0.5038 ppm	0.5103 ppm	0.5176 ppm	0.5180 ppm	0.4769 ppm	5.4964 ppm	0.5280 ppm
Concentration per Run 2	0.5030 ppm	0.5078 ppm	0.5194 ppm	0.5177 ppm	0.4666 ppm	5.3867 ppm	0.5179 ppm
Concentration per Run 3	0.5024 ppm	0.5083 ppm	0.5174 ppm	0.5160 ppm	0.4616 ppm	5.3709 ppm	0.5114 ppm
Recovery Percentage 1	100.613 %	101.760 %	103.624 %	103.449 %	93.676 %	108.360 %	103.824 %
Concentration RSD	0.1 %	0.3 %	0.2 %	0.2 %	1.7 %	1.3 %	1.6 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.5430 ppm	0.4863 ppm	0.5167 ppm	10.5967 ppm	0.5274 ppm	0.5278 ppm	0.5158 ppm
Concentration per Run 1	0.5413 ppm	0.4959 ppm	0.5173 ppm	10.7994 ppm	0.5285 ppm	0.5298 ppm	0.5182 ppm
Concentration per Run 2	0.5457 ppm	0.4842 ppm	0.5168 ppm	10.5477 ppm	0.5271 ppm	0.5267 ppm	0.5158 ppm
Concentration per Run 3	0.5421 ppm	0.4787 ppm	0.5161 ppm	10.4430 ppm	0.5265 ppm	0.5270 ppm	0.5135 ppm
Recovery Percentage 1	108.607 %	97.252 %	103.348 %	105.967 %	105.479 %	105.565 %	103.170 %
Concentration RSD	0.4 %	1.8 %	0.1 %	1.7 %	0.2 %	0.3 %	0.5 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.5085 ppm	5.4941 ppm	0.5244 ppm	0.4903 ppm	0.5267 ppm	0.5204 ppm	0.5287 ppm
Concentration per Run 1	0.5082 ppm	5.5071 ppm	0.5258 ppm	0.5002 ppm	0.5262 ppm	0.5221 ppm	0.5276 ppm
Concentration per Run 2	0.5084 ppm	5.4899 ppm	0.5224 ppm	0.4877 ppm	0.5279 ppm	0.5207 ppm	0.5303 ppm
Concentration per Run 3	0.5109 ppm	5.4854 ppm	0.5249 ppm	0.4831 ppm	0.5260 ppm	0.5183 ppm	0.5281 ppm
Recovery Percentage 1	101.704 %	104.650 %	104.873 %	98.062 %	105.341 %	104.073 %	105.732 %
Concentration RSD	0.4 %	0.2 %	0.3 %	1.8 %	0.2 %	0.4 %	0.3 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.5137 ppm	98.8701 %	102.0839 %	102.0601 %	96.9079 %	98.0260 %	100.1750 %
Concentration per Run 1	0.5145 ppm	97.3591 %	102.4607 %	101.9584 %	94.9856 %	97.8160 %	100.4806 %
Concentration per Run 2	0.5134 ppm	99.4814 %	101.8912 %	102.1022 %	97.7141 %	98.0745 %	99.8779 %
Concentration per Run 3	0.5133 ppm	99.7698 %	101.8998 %	102.1198 %	98.0240 %	98.1875 %	100.1666 %
Recovery Percentage 1	102.743 %						
Concentration RSD	0.1 %	1.3 %	0.3 %	0.1 %	1.7 %	0.2 %	0.3 %

ICP DataTrace 5

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LabBook: WG2111813_09082025T5T5.imexp

Sample: CCB
 Analysis started at: 9/8/2025 6:54:09 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0000 ppm	-0.0032 ppm	0.0000 ppm	0.0030 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	0.0022 ppm	0.0013 ppm	0.0030 ppm	0.0001 ppm	0.0001 ppm	0.0031 ppm
Concentration per Run 2	-0.0001 ppm	-0.0056 ppm	-0.0009 ppm	0.0032 ppm	0.0001 ppm	0.0001 ppm	-0.0016 ppm
Concentration per Run 3	0.0002 ppm	-0.0064 ppm	0.0021 ppm	0.0028 ppm	-0.0001 ppm	0.0001 ppm	-0.0016 ppm
Recovery Percentage 1	-0.126 %	-3.248 %	16.017 %	10.031 %	0.244 %	1.850 %	-0.030 %
Concentration RSD	1.723.2 %	146.0 %	192.8 %	6.2 %	268.2 %	30.5 %	9.037.6 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0044 ppm	0.1541 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm	-0.0050 ppm	0.1704 ppm	0.0023 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	-0.0001 ppm	-0.0001 ppm	-0.0041 ppm	0.1506 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0041 ppm	0.1413 ppm	0.0011 ppm
Recovery Percentage 1	0.398 %	0.839 %	1.300 %	0.354 %	-8.870 %	6.164 %	11.693 %
Concentration RSD	108.2 %	31.3 %	175.4 %	549.4 %	12.0 %	9.7 %	97.6 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	0.0002 ppm	0.0003 ppm	0.0008 ppm	0.5637 ppm	0.0002 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 1	0.0018 ppm	0.0005 ppm	0.0011 ppm	0.6407 ppm	0.0003 ppm	0.0002 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0007 ppm	0.5376 ppm	0.0002 ppm	-0.0010 ppm	0.0003 ppm
Concentration per Run 3	-0.0010 ppm	0.0000 ppm	0.0007 ppm	0.5129 ppm	0.0000 ppm	-0.0001 ppm	0.0008 ppm
Recovery Percentage 1	0.242 %	2.557 %	1.680 %	28.187 %	0.743 %	-3.094 %	0.385 %
Concentration RSD	573.8 %	105.7 %	22.1 %	12.0 %	77.8 %	189.9 %	349.1 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0011 ppm	-0.0033 ppm	0.0004 ppm	0.0001 ppm	-0.0002 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 1	0.0015 ppm	-0.0029 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0024 ppm	0.0001 ppm
Concentration per Run 2	0.0006 ppm	-0.0033 ppm	0.0003 ppm	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 3	0.0012 ppm	-0.0036 ppm	0.0003 ppm	0.0001 ppm	-0.0003 ppm	-0.0006 ppm	0.0001 ppm
Recovery Percentage 1	10.935 %	-0.651 %	0.791 %	0.730 %	-2.201 %	3.828 %	1.501 %
Concentration RSD	42.0 %	10.1 %	35.1 %	79.5 %	66.9 %	193.5 %	42.5 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0003 ppm	89.9360 %	104.0795 %	103.2947 %	86.9108 %	100.9297 %	101.1784 %
Concentration per Run 1	-0.0002 ppm	78.7406 %	103.8842 %	103.4457 %	75.5115 %	101.1584 %	101.0019 %
Concentration per Run 2	-0.0003 ppm	93.2126 %	104.1656 %	103.2073 %	90.3181 %	101.0208 %	101.2497 %
Concentration per Run 3	-0.0003 ppm	97.8550 %	104.1887 %	103.2310 %	94.9028 %	100.6098 %	101.2836 %
Recovery Percentage 1	-5.493 %	11.1 %	0.2 %	0.1 %	11.7 %	0.3 %	0.2 %
Concentration RSD	20.9 %						

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: L2554342-01 WG2109752

Analysis started at: 9/8/2025 7:12:40 PM

Comments: <Comment>

Rack: 2

Vial: 4

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0002 ppm	0.1217 ppm	0.0354 ppm	0.1238 ppm	0.0950 ppm	-0.0001 ppm	109.2528 ppm
Concentration per Run 1	-0.0003 ppm	0.1266 ppm	0.0371 ppm	0.1242 ppm	0.0997 ppm	-0.0001 ppm	114.9407 ppm
Concentration per Run 2	-0.0002 ppm	0.1189 ppm	0.0333 ppm	0.1239 ppm	0.0932 ppm	-0.0001 ppm	107.2421 ppm
Concentration per Run 3	-0.0001 ppm	0.1197 ppm	0.0358 ppm	0.1233 ppm	0.0920 ppm	-0.0001 ppm	105.5756 ppm
Concentration RSD	60.4 %	3.5 %	5.5 %	0.4 %	4.4 %	23.5 %	4.6 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	-0.0007 ppm	0.0003 ppm	0.0019 ppm	0.0018 ppm	0.2117 ppm	26.4730 ppm	0.0269 ppm
Concentration per Run 1	-0.0007 ppm	0.0004 ppm	0.0019 ppm	0.0017 ppm	0.2214 ppm	27.7780 ppm	0.0284 ppm
Concentration per Run 2	-0.0007 ppm	0.0002 ppm	0.0017 ppm	0.0017 ppm	0.2088 ppm	26.0379 ppm	0.0265 ppm
Concentration per Run 3	-0.0008 ppm	0.0004 ppm	0.0021 ppm	0.0020 ppm	0.2048 ppm	25.6032 ppm	0.0260 ppm
Concentration RSD	4.9 %	45.5 %	9.6 %	9.8 %	4.1 %	4.3 %	4.6 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	52.0121 ppm	0.1604 ppm	0.0052 ppm	226.9503 ppm	0.0030 ppm	-0.0031 ppm	-0.0003 ppm
Concentration per Run 1	51.9377 ppm	0.1684 ppm	0.0053 ppm	235.2186 ppm	0.0029 ppm	-0.0039 ppm	-0.0020 ppm
Concentration per Run 2	51.8234 ppm	0.1575 ppm	0.0052 ppm	224.0622 ppm	0.0030 ppm	-0.0026 ppm	-0.0003 ppm
Concentration per Run 3	52.2752 ppm	0.1551 ppm	0.0052 ppm	221.5702 ppm	0.0032 ppm	-0.0027 ppm	0.0015 ppm
Concentration RSD	0.5 %	4.4 %	1.3 %	3.2 %	6.1 %	22.5 %	593.5 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0020 ppm	10.3503 ppm	-0.0009 ppm	0.8038 ppm	0.0066 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 1	-0.0004 ppm	10.3447 ppm	-0.0003 ppm	0.8442 ppm	0.0069 ppm	-0.0015 ppm	0.0024 ppm
Concentration per Run 2	0.0038 ppm	10.3655 ppm	-0.0012 ppm	0.7908 ppm	0.0066 ppm	-0.0007 ppm	0.0027 ppm
Concentration per Run 3	0.0027 ppm	10.3408 ppm	-0.0012 ppm	0.7764 ppm	0.0064 ppm	0.0023 ppm	0.0029 ppm
Concentration RSD	107.6 %	0.1 %	58.7 %	4.4 %	3.8 %	6.943.4 %	9.0 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0020 ppm	93.0176 %	92.4492 %	93.4274 %	91.0667 %	84.1539 %	90.7579 %
Concentration per Run 1	0.0022 ppm	89.4228 %	92.3886 %	93.6929 %	87.1851 %	84.2085 %	90.8264 %
Concentration per Run 2	0.0018 ppm	94.2000 %	92.6007 %	93.1586 %	92.4280 %	84.0084 %	90.9692 %
Concentration per Run 3	0.0021 ppm	95.4301 %	92.3583 %	93.4306 %	93.5871 %	84.2448 %	90.4781 %
Concentration RSD	8.5 %	3.4 %	0.1 %	0.3 %	3.7 %	0.2 %	0.3 %

ICP DataTrace 5

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LabBook: WG2111813_09082025T5.imexp

Sample: WG2109752-7 WG2109752

Analysis started at: 9/8/2025 7:19:03 PM

Comments: <Comment>

Rack: 2

Vial: 5

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0539 ppm	2.3054 ppm	0.1731 ppm	1.1837 ppm	2.1811 ppm	0.0521 ppm	120.8571 ppm
Concentration per Run 1	0.0542 ppm	2.4342 ppm	0.1744 ppm	1.1854 ppm	2.3058 ppm	0.0551 ppm	127.9296 ppm
Concentration per Run 2	0.0537 ppm	2.2539 ppm	0.1712 ppm	1.1839 ppm	2.1347 ppm	0.0511 ppm	118.4498 ppm
Concentration per Run 3	0.0540 ppm	2.2282 ppm	0.1738 ppm	1.1819 ppm	2.1030 ppm	0.0501 ppm	116.1920 ppm
Concentration RSD	0.5 %	4.9 %	1.0 %	0.1 %	5.0 %	5.0 %	5.2 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0573 ppm	0.5230 ppm	0.2149 ppm	0.2635 ppm	1.2179 ppm	38.6009 ppm	0.0269 ppm
Concentration per Run 1	0.0573 ppm	0.5228 ppm	0.2151 ppm	0.2634 ppm	1.2853 ppm	40.6169 ppm	0.0267 ppm
Concentration per Run 2	0.0573 ppm	0.5237 ppm	0.2151 ppm	0.2632 ppm	1.1989 ppm	37.8088 ppm	0.0270 ppm
Concentration per Run 3	0.0572 ppm	0.5224 ppm	0.2145 ppm	0.2638 ppm	1.1697 ppm	37.3768 ppm	0.0271 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.1 %	4.9 %	4.6 %	0.7 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	63.3817 ppm	0.6596 ppm	1.1037 ppm	238.3505 ppm	0.5449 ppm	0.5570 ppm	0.4962 ppm
Concentration per Run 1	63.5738 ppm	0.6981 ppm	1.1042 ppm	255.1024 ppm	0.5455 ppm	0.5585 ppm	0.4890 ppm
Concentration per Run 2	63.2242 ppm	0.6485 ppm	1.1025 ppm	232.2762 ppm	0.5452 ppm	0.5560 ppm	0.4952 ppm
Concentration per Run 3	63.3471 ppm	0.6344 ppm	1.1045 ppm	227.6727 ppm	0.5440 ppm	0.5565 ppm	0.5042 ppm
Concentration RSD	0.3 %	5.1 %	0.1 %	6.2 %	0.1 %	0.2 %	1.5 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1334 ppm	11.5347 ppm	1.0548 [SIC 20]	1.8191 ppm	1.0981 ppm	0.1159 ppm	0.5603 ppm
Concentration per Run 1	0.1334 ppm	11.5518 ppm	1.0554 ppm	1.9267 ppm	1.0982 ppm	0.1158 ppm	0.5603 ppm
Concentration per Run 2	0.1322 ppm	11.5252 ppm	1.0559 ppm	1.7766 ppm	1.0972 ppm	0.1169 ppm	0.5597 ppm
Concentration per Run 3	0.1346 ppm	11.5270 ppm	1.0532 ppm	1.7540 ppm	1.0991 ppm	0.1150 ppm	0.5608 ppm
Concentration RSD	0.9 %	0.1 %	0.1 %	5.2 %	0.1 %	0.8 %	0.1 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5610 ppm	89.8274 %	91.6226 %	93.1899 %	87.8717 %	84.9600 %
Concentration per Run 1	0.5616 ppm	85.5597 %	91.5025 %	93.4467 %	83.2765 %	84.8610 %
Concentration per Run 2	0.5619 ppm	91.1920 %	91.6737 %	93.1514 %	89.1730 %	85.0205 %
Concentration per Run 3	0.5597 ppm	92.7304 %	91.6917 %	92.9716 %	91.1656 %	84.9985 %
Concentration RSD	0.2 %	4.2 %	0.1 %	0.3 %	4.7 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2109752-8 WG2109752

Analysis started at: 9/8/2025 7:25:20 PM

Comments: <Comment>

Rack: 2

Vial: 6

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0003 ppm	0.1312 ppm	0.0381 ppm	0.1239 ppm	0.0975 ppm	-0.0001 ppm	112.1709 ppm
Concentration per Run 1	-0.0003 ppm	0.1407 ppm	0.0364 ppm	0.1245 ppm	0.1051 ppm	-0.0001 ppm	121.0393 ppm
Concentration per Run 2	-0.0001 ppm	0.1273 ppm	0.0399 ppm	0.1233 ppm	0.0946 ppm	-0.0001 ppm	108.9813 ppm
Concentration per Run 3	-0.0006 ppm	0.1256 ppm	0.0379 ppm	0.1239 ppm	0.0927 ppm	0.0000 ppm	106.4921 ppm
Concentration RSD	80.0 %	6.3 %	4.5 %	0.5 %	6.8 %	60.6 %	6.9 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	-0.0007 ppm	0.0003 ppm	0.0022 ppm	0.0015 ppm	0.2248 ppm	27.2954 ppm	0.0268 ppm
Concentration per Run 1	-0.0007 ppm	0.0003 ppm	0.0024 ppm	0.0015 ppm	0.2429 ppm	29.2795 ppm	0.0286 ppm
Concentration per Run 2	-0.0007 ppm	0.0005 ppm	0.0023 ppm	0.0016 ppm	0.2184 ppm	26.5565 ppm	0.0262 ppm
Concentration per Run 3	-0.0007 ppm	0.0002 ppm	0.0019 ppm	0.0015 ppm	0.2132 ppm	26.0500 ppm	0.0257 ppm
Concentration RSD	3.9 %	41.2 %	12.2 %	4.8 %	7.1 %	6.4 %	5.7 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	51.3947 ppm	0.1561 ppm	0.0092 ppm	227.1379 ppm	0.0009 ppm	-0.0032 ppm	0.0080 ppm
Concentration per Run 1	51.3374 ppm	0.1676 ppm	0.0097 ppm	245.3385 ppm	0.0006 ppm	-0.0029 ppm	0.0073 ppm
Concentration per Run 2	51.3873 ppm	0.1520 ppm	0.0092 ppm	220.5815 ppm	0.0010 ppm	-0.0032 ppm	0.0082 ppm
Concentration per Run 3	51.4594 ppm	0.1486 ppm	0.0088 ppm	215.4936 ppm	0.0011 ppm	-0.0034 ppm	0.0084 ppm
Concentration RSD	0.1 %	6.5 %	4.4 %	7.0 %	26.6 %	6.7 %	7.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	-0.0016 ppm	10.2310 ppm	0.0025 ppm	0.8247 ppm	0.0070 ppm	0.0015 ppm	0.0025 ppm
Concentration per Run 1	-0.0025 ppm	10.2635 ppm	0.0031 ppm	0.8884 ppm	0.0069 ppm	0.0023 ppm	0.0026 ppm
Concentration per Run 2	-0.0011 ppm	10.1976 ppm	0.0023 ppm	0.8008 ppm	0.0070 ppm	0.0008 ppm	0.0024 ppm
Concentration per Run 3	-0.0012 ppm	10.2319 ppm	0.0020 ppm	0.7849 ppm	0.0070 ppm	0.0012 ppm	0.0024 ppm
Concentration RSD	48.8 %	0.3 %	20.9 %	6.8 %	0.5 %	51.9 %	4.0 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0013 ppm	88.7630 ppm	91.5750 ppm	93.1135 ppm	86.9840 ppm	84.6137 ppm	90.4704 ppm
Concentration per Run 1	0.0012 ppm	82.9180 ppm	91.5976 ppm	93.1921 ppm	80.8631 ppm	84.5048 ppm	90.4241 ppm
Concentration per Run 2	0.0014 ppm	90.9265 ppm	91.5432 ppm	93.0067 ppm	89.0962 ppm	84.8635 ppm	90.4127 ppm
Concentration per Run 3	0.0013 ppm	92.4443 ppm	91.5843 ppm	93.1415 ppm	90.9927 ppm	84.4729 ppm	90.5745 ppm
Concentration RSD	7.0 %	5.8 %	0.0 %	0.1 %	6.2 %	0.3 %	0.1 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2109752-9 WG2109752

Analysis started at: 9/8/2025 7:31:43 PM

Comments: <Comment>

Rack: 2

Vial: 7

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	0.0511 ppm	2.3101 ppm	0.1701 ppm	1.1716 ppm	2.1974 ppm	0.0518 ppm	117.5395 ppm
Concentration per Run 1	0.0508 ppm	2.4832 ppm	0.1704 ppm	1.1732 ppm	2.3491 ppm	0.0558 ppm	125.5914 ppm
Concentration per Run 2	0.0513 ppm	2.2495 ppm	0.1723 ppm	1.1716 ppm	2.1387 ppm	0.0505 ppm	114.6620 ppm
Concentration per Run 3	0.0513 ppm	2.1975 ppm	0.1677 ppm	1.1699 ppm	2.1044 ppm	0.0493 ppm	112.3652 ppm
Concentration RSD	0.6 %	6.6 %	1.3 %	0.1 %	6.0 %	6.7 %	6.0 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0562 ppm	0.5110 ppm	0.2096 ppm	0.2575 ppm	1.2239 ppm	38.1814 ppm	0.0258 ppm
Concentration per Run 1	0.0563 ppm	0.5128 ppm	0.2094 ppm	0.2568 ppm	1.3105 ppm	40.7149 ppm	0.0278 ppm
Concentration per Run 2	0.0561 ppm	0.5102 ppm	0.2096 ppm	0.2578 ppm	1.1963 ppm	37.2082 ppm	0.0257 ppm
Concentration per Run 3	0.0561 ppm	0.5100 ppm	0.2099 ppm	0.2579 ppm	1.1650 ppm	36.6213 ppm	0.0239 ppm
Concentration RSD	0.2 %	0.3 %	0.1 %	0.2 %	6.3 %	5.8 %	7.6 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	61.1504 ppm	0.6643 ppm	1.0912 ppm	231.3860 ppm	0.5335 ppm	0.5594 ppm	0.4484 ppm
Concentration per Run 1	61.1422 ppm	0.7144 ppm	1.0912 ppm	248.3507 ppm	0.5344 ppm	0.5591 ppm	0.4364 ppm
Concentration per Run 2	60.9890 ppm	0.6471 ppm	1.0904 ppm	224.7141 ppm	0.5332 ppm	0.5585 ppm	0.4507 ppm
Concentration per Run 3	61.3201 ppm	0.6313 ppm	1.0921 ppm	221.0933 ppm	0.5329 ppm	0.5605 ppm	0.4582 ppm
Concentration RSD	0.3 %	6.6 %	0.1 %	6.4 %	0.2 %	0.2 %	2.5 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.1340 ppm	11.1560 ppm	1.0600 [SIC 20]	1.8324 ppm	1.0828 ppm	0.1148 ppm	0.5457 ppm
Concentration per Run 1	0.1331 ppm	11.1525 ppm	1.0618 ppm	1.9771 ppm	1.0812 ppm	0.1137 ppm	0.5438 ppm
Concentration per Run 2	0.1356 ppm	11.1516 ppm	1.0576 ppm	1.7820 ppm	1.0813 ppm	0.1161 ppm	0.5463 ppm
Concentration per Run 3	0.1333 ppm	11.1640 ppm	1.0606 ppm	1.7381 ppm	1.0858 ppm	0.1147 ppm	0.5469 ppm
Concentration RSD	1.0 %	0.1 %	0.2 %	6.9 %	0.2 %	1.0 %	0.3 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.5487 ppm	89.3244 ppm	91.3716 ppm	92.9283 ppm	88.0532 ppm	84.9953 ppm	90.5062 ppm
Concentration per Run 1	0.5498 ppm	84.1900 ppm	91.4707 ppm	92.9018 ppm	82.7544 ppm	85.0125 ppm	90.5225 ppm
Concentration per Run 2	0.5478 ppm	91.3615 ppm	91.5013 ppm	92.8874 ppm	89.9803 ppm	85.0741 ppm	90.6895 ppm
Concentration per Run 3	0.5485 ppm	92.4216 ppm	91.1428 ppm	92.9956 ppm	91.4249 ppm	84.8995 ppm	90.3066 ppm
Concentration RSD	0.2 %	5.0 %	0.2 %	0.1 %	5.3 %	0.1 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: WG2109752-10D5 WG2109752

Analysis started at: 9/8/2025 7:38:04 PM

Comments: <Comment>

Rack: 2

Vial: 8

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0004 ppm	0.0258 ppm	0.0078 ppm	0.0274 ppm	0.0194 ppm	-0.0001 ppm	22.1070 ppm
Concentration per Run 1	-0.0006 ppm	0.0242 ppm	0.0068 ppm	0.0269 ppm	0.0212 ppm	0.0000 ppm	23.9468 ppm
Concentration per Run 2	-0.0002 ppm	0.0269 ppm	0.0098 ppm	0.0278 ppm	0.0189 ppm	-0.0001 ppm	21.5385 ppm
Concentration per Run 3	-0.0004 ppm	0.0264 ppm	0.0068 ppm	0.0275 ppm	0.0180 ppm	-0.0001 ppm	20.8356 ppm
Concentration RSD	44.9 %	5.7 %	22.0 %	1.7 %	8.5 %	73.5 %	7.4 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0413 ppm	5.1936 ppm	0.0056 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0004 ppm	0.0456 ppm	5.6558 ppm	0.0067 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0006 ppm	0.0404 ppm	5.0554 ppm	0.0053 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0003 ppm	0.0378 ppm	4.8695 ppm	0.0048 ppm
Concentration RSD	16.5 %	17.6 %	89.7 %	33.0 %	9.6 %	7.9 %	17.9 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	10.2637 ppm	0.0333 ppm	0.0056 ppm	45.9799 ppm	0.0006 ppm	0.0000 ppm	0.0212 ppm
Concentration per Run 1	10.2495 ppm	0.0359 ppm	0.0063 ppm	49.8787 ppm	0.0006 ppm	-0.0006 ppm	0.0232 ppm
Concentration per Run 2	10.2787 ppm	0.0323 ppm	0.0054 ppm	44.6711 ppm	0.0009 ppm	0.0008 ppm	0.0211 ppm
Concentration per Run 3	10.2648 ppm	0.0316 ppm	0.0051 ppm	43.3898 ppm	0.0003 ppm	-0.0002 ppm	0.0193 ppm
Concentration RSD	0.1 %	6.9 %	11.3 %	7.5 %	46.1 %	3.992.4 %	9.4 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0007 ppm	1.9585 ppm	0.0060 ppm	0.1604 ppm	0.0015 ppm	0.0015 ppm	0.0006 ppm
Concentration per Run 1	0.0014 ppm	1.9276 ppm	0.0072 ppm	0.1740 ppm	0.0013 ppm	0.0019 ppm	0.0008 ppm
Concentration per Run 2	0.0009 ppm	1.9590 ppm	0.0054 ppm	0.1560 ppm	0.0018 ppm	0.0017 ppm	0.0006 ppm
Concentration per Run 3	-0.0002 ppm	1.9889 ppm	0.0053 ppm	0.1512 ppm	0.0015 ppm	0.0010 ppm	0.0005 ppm
Concentration RSD	121.3 %	1.6 %	18.1 %	7.5 %	16.2 %	31.1 %	26.2 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Radial)	Sc 361.384 (93) Axial)
Concentration average	0.0003 ppm	87.1558 ppm	97.1494 ppm	98.6331 ppm	85.6669 ppm	94.1536 ppm	95.9218 ppm
Concentration per Run 1	0.0003 ppm	80.0816 ppm	97.3532 ppm	98.6587 ppm	78.9016 ppm	94.5272 ppm	96.1320 ppm
Concentration per Run 2	0.0003 ppm	89.5376 ppm	96.8959 ppm	98.6784 ppm	87.6510 ppm	93.9813 ppm	95.6507 ppm
Concentration per Run 3	0.0003 ppm	91.8483 ppm	97.1990 ppm	98.5682 ppm	90.4482 ppm	93.9522 ppm	95.9826 ppm
Concentration RSD	10.0 %	7.2 %	0.2 %	0.1 %	7.0 %	0.3 %	0.3 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: I2553464-13 WG2108375

Analysis started at: 9/8/2025 7:44:21 PM

Comments: <Comment>

Rack: 1

Vial: 54

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0004 ppm	0.0109 ppm	0.0014 ppm	0.4056 ppm	0.9125 ppm	-0.0001 ppm	79.1870 ppm
Concentration per Run 1	-0.0002 ppm	0.0105 ppm	0.0016 ppm	0.4053 ppm	0.9734 ppm	0.0000 ppm	84.5937 ppm
Concentration per Run 2	-0.0003 ppm	0.0140 ppm	0.0001 ppm	0.4058 ppm	0.8905 ppm	-0.0001 ppm	77.3083 ppm
Concentration per Run 3	-0.0006 ppm	0.0082 ppm	0.0026 ppm	0.4058 ppm	0.8735 ppm	-0.0001 ppm	75.6591 ppm
Concentration RSD	54.5 %	26.8 %	90.1 %	0.1 %	5.9 %	58.6 %	6.0 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	-0.0002 ppm	0.0029 ppm	0.0017 ppm	0.0010 ppm	40.8078 ppm	26.4186 ppm	0.0026 ppm
Concentration per Run 1	-0.0002 ppm	0.0028 ppm	0.0018 ppm	0.0010 ppm	43.5502 ppm	28.2177 ppm	0.0031 ppm
Concentration per Run 2	-0.0002 ppm	0.0029 ppm	0.0017 ppm	0.0010 ppm	39.8549 ppm	25.7003 ppm	0.0030 ppm
Concentration per Run 3	-0.0001 ppm	0.0029 ppm	0.0017 ppm	0.0010 ppm	39.0183 ppm	25.3377 ppm	0.0017 ppm
Concentration RSD	26.8 %	2.7 %	2.9 %	3.9 %	5.9 %	5.9 %	31.4 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	21.5640 ppm	2.4842 ppm	0.0014 ppm	274.5634 ppm	-0.0001 ppm	-0.0040 ppm	0.0006 ppm
Concentration per Run 1	21.5288 ppm	2.6527 ppm	0.0018 ppm	294.5747 ppm	-0.0005 ppm	-0.0041 ppm	0.0019 ppm
Concentration per Run 2	21.5552 ppm	2.4237 ppm	0.0012 ppm	286.0530 ppm	0.0001 ppm	-0.0032 ppm	-0.0003 ppm
Concentration per Run 3	21.6081 ppm	2.3761 ppm	0.0011 ppm	263.0625 ppm	0.0000 ppm	-0.0048 ppm	0.0001 ppm
Concentration RSD	0.2 %	6.0 %	26.6 %	6.3 %	290.8 %	20.3 %	205.8 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0004 ppm	13.7764 ppm	0.0002 ppm	0.6135 ppm	-0.0003 ppm	0.0005 ppm	0.0052 ppm
Concentration per Run 1	-0.0004 ppm	13.7824 ppm	-0.0002 ppm	0.6552 ppm	-0.0003 ppm	0.0026 ppm	0.0054 ppm
Concentration per Run 2	0.0003 ppm	13.7802 ppm	0.0005 ppm	0.5978 ppm	-0.0002 ppm	0.0001 ppm	0.0053 ppm
Concentration per Run 3	0.0015 ppm	13.7665 ppm	0.0004 ppm	0.5876 ppm	-0.0005 ppm	-0.0012 ppm	0.0050 ppm
Concentration RSD	217.8 %	0.1 %	156.0 %	5.9 %	49.6 %	396.0 %	4.0 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 360.073 (94) Axial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	0.0014 ppm	87.9133 %	90.7631 %	93.2569 %	87.2087 %	85.1797 %	90.2269 %
Concentration per Run 1	0.0015 ppm	82.7757 %	90.7812 %	93.2296 %	82.0917 %	85.1096 %	90.2170 %
Concentration per Run 2	0.0015 ppm	89.9731 %	90.7628 %	93.2073 %	88.9958 %	85.1482 %	90.2056 %
Concentration per Run 3	0.0014 ppm	90.9911 %	90.7453 %	93.3338 %	90.5385 %	85.2814 %	90.2581 %
Concentration RSD	4.1 %	5.1 %	0.0 %	0.1 %	5.2 %	0.1 %	0.0 %

ICP DataTrace 5

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LabBook: WG2111813_09082025T5.imexp

Sample: 12553464-14 WG2108375

Analysis started at: 9/8/2025 7:50:43 PM

Comments: <Comment>

Rack: 1

Vial: 55

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0001 ppm	0.0130 ppm	0.0002 ppm	0.2867 ppm	0.4937 ppm	-0.0001 ppm	64.9191 ppm
Concentration per Run 1	-0.0002 ppm	0.0134 ppm	0.0002 ppm	0.2877 ppm	0.5295 ppm	0.0000 ppm	69.7512 ppm
Concentration per Run 2	-0.0001 ppm	0.0130 ppm	0.0005 ppm	0.2856 ppm	0.4815 ppm	-0.0001 ppm	63.2167 ppm
Concentration per Run 3	0.0000 ppm	0.0127 ppm	-0.0001 ppm	0.2868 ppm	0.4700 ppm	-0.0001 ppm	61.7893 ppm
Concentration RSD	124.8 %	2.7 %	141.6 %	0.4 %	6.4 %	48.3 %	6.5 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	-0.0004 ppm	0.0018 ppm	0.0012 ppm	0.0013 ppm	2.3399 ppm	19.7830 ppm	0.0025 ppm
Concentration per Run 1	-0.0004 ppm	0.0021 ppm	0.0011 ppm	0.0013 ppm	2.5204 ppm	21.1185 ppm	0.0038 ppm
Concentration per Run 2	-0.0004 ppm	0.0017 ppm	0.0011 ppm	0.0013 ppm	2.2803 ppm	19.3251 ppm	0.0028 ppm
Concentration per Run 3	-0.0004 ppm	0.0017 ppm	0.0013 ppm	0.0015 ppm	2.2190 ppm	18.9054 ppm	0.0011 ppm
Concentration RSD	2.8 %	11.7 %	9.6 %	8.0 %	6.8 %	5.9 %	54.0 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	17.3717 ppm	1.7080 ppm	0.0007 ppm	215.7502 ppm	0.0025 ppm	-0.0033 ppm	0.0021 ppm
Concentration per Run 1	17.3715 ppm	1.8333 ppm	0.0006 ppm	231.9289 ppm	0.0023 ppm	-0.0029 ppm	0.0004 ppm
Concentration per Run 2	17.3935 ppm	1.6680 ppm	0.0009 ppm	211.0301 ppm	0.0026 ppm	-0.0034 ppm	0.0037 ppm
Concentration per Run 3	17.3499 ppm	1.6247 ppm	0.0006 ppm	204.2914 ppm	0.0026 ppm	-0.0036 ppm	0.0024 ppm
Concentration RSD	0.1 %	6.5 %	22.9 %	6.7 %	7.0 %	11.0 %	78.4 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	-0.0021 ppm	9.2757 ppm	-0.0004 ppm	0.4922 ppm	0.0004 ppm	-0.0005 ppm	0.0038 ppm
Concentration per Run 1	-0.0032 ppm	9.3112 ppm	-0.0001 ppm	0.5278 ppm	0.0002 ppm	-0.0009 ppm	0.0038 ppm
Concentration per Run 2	-0.0037 ppm	9.2257 ppm	-0.0010 ppm	0.4794 ppm	0.0004 ppm	-0.0003 ppm	0.0038 ppm
Concentration per Run 3	0.0007 ppm	9.2903 ppm	-0.0001 ppm	0.4693 ppm	0.0006 ppm	-0.0002 ppm	0.0039 ppm
Concentration RSD	117.6 %	0.5 %	126.5 %	6.3 %	43.6 %	80.5 %	1.6 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.0002 ppm	88.7006 %	92.9661 %	94.9350 %	87.2843 %	87.2849 %	92.0983 %
Concentration per Run 1	0.0001 ppm	83.1002 %	92.8367 %	94.9351 %	81.3671 %	87.0955 %	91.9952 %
Concentration per Run 2	0.0003 ppm	90.9668 %	92.9960 %	95.1480 %	89.4838 %	87.6926 %	92.1282 %
Concentration per Run 3	0.0003 ppm	92.0348 %	93.0656 %	94.7218 %	91.0019 %	87.0665 %	92.1713 %
Concentration RSD	56.6 %	5.5 %	0.1 %	0.2 %	5.9 %	0.4 %	0.1 %

ICP DataTrace 5

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LabBook: WG2111813_09082025T5T5.imexp

Sample: CCV

Analysis started at: 9/8/2025 8:02:39 PM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.4918 ppm	0.5131 ppm	0.4937 ppm	0.4973 ppm	0.5171 ppm	0.5150 ppm	0.5137 ppm
Concentration per Run 1	0.4926 ppm	0.5518 ppm	0.4929 ppm	0.4967 ppm	0.5564 ppm	0.5540 ppm	0.5494 ppm
Concentration per Run 2	0.4914 ppm	0.4983 ppm	0.4946 ppm	0.4984 ppm	0.5017 ppm	0.5001 ppm	0.5010 ppm
Concentration per Run 3	0.4915 ppm	0.4891 ppm	0.4934 ppm	0.4968 ppm	0.4933 ppm	0.4910 ppm	0.4906 ppm
Recovery Percentage 1	98.363 %	102.613 %	98.731 %	99.456 %	103.426 %	103.009 %	102.737 %
Concentration RSD	0.1 %	6.6 %	0.2 %	0.2 %	6.6 %	6.6 %	6.1 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.5098 ppm	0.5096 ppm	0.5298 ppm	0.5162 ppm	0.4985 ppm	5.6189 ppm	0.5463 ppm
Concentration per Run 1	0.5099 ppm	0.5095 ppm	0.5305 ppm	0.5178 ppm	0.5381 ppm	6.0524 ppm	0.5858 ppm
Concentration per Run 2	0.5104 ppm	0.5109 ppm	0.5283 ppm	0.5152 ppm	0.4847 ppm	5.4896 ppm	0.5322 ppm
Concentration per Run 3	0.5089 ppm	0.5085 ppm	0.5304 ppm	0.5155 ppm	0.4727 ppm	5.3148 ppm	0.5208 ppm
Recovery Percentage 1	101.953 %	101.922 %	105.955 %	103.234 %	99.703 %	112.379 %	109.252 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.3 %	7.0 %	6.9 %	6.4 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.5558 ppm	0.5156 ppm	0.5151 ppm	10.8406 ppm	0.5282 ppm	0.5290 ppm	0.5141 ppm
Concentration per Run 1	0.5573 ppm	0.5560 ppm	0.5148 ppm	11.6902 ppm	0.5290 ppm	0.5294 ppm	0.5157 ppm
Concentration per Run 2	0.5544 ppm	0.5004 ppm	0.5158 ppm	10.5275 ppm	0.5288 ppm	0.5296 ppm	0.5153 ppm
Concentration per Run 3	0.5558 ppm	0.4903 ppm	0.5147 ppm	10.3041 ppm	0.5268 ppm	0.5279 ppm	0.5111 ppm
Recovery Percentage 1	111.168 %	103.115 %	103.016 %	108.406 %	105.641 %	105.792 %	102.812 %
Concentration RSD	0.3 %	6.9 %	0.1 %	6.9 %	0.2 %	0.2 %	0.5 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.5016 ppm	5.4226 ppm	0.5278 ppm	0.5069 ppm	0.5322 ppm	0.5192 ppm	0.5354 ppm
Concentration per Run 1	0.5017 ppm	5.4277 ppm	0.5268 ppm	0.5457 ppm	0.5339 ppm	0.5215 ppm	0.5360 ppm
Concentration per Run 2	0.5022 ppm	5.4350 ppm	0.5307 ppm	0.4910 ppm	0.5312 ppm	0.5208 ppm	0.5356 ppm
Concentration per Run 3	0.5008 ppm	5.4050 ppm	0.5259 ppm	0.4842 ppm	0.5316 ppm	0.5153 ppm	0.5346 ppm
Recovery Percentage 1	100.313 %	103.288 %	105.556 %	101.387 %	106.447 %	103.839 %	107.077 %
Concentration RSD	0.1 %	0.3 %	0.5 %	6.7 %	0.3 %	0.7 %	0.1 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.5243 ppm	89.8851 %	99.6212 %	101.3548 %	88.1256 %	97.8290 %	97.9441 %
Concentration per Run 1	0.5233 ppm	83.3096 %	99.6670 %	101.3273 %	81.8185 %	97.8458 %	97.7352 %
Concentration per Run 2	0.5257 ppm	92.4977 %	99.6929 %	101.2019 %	90.6161 %	97.5843 %	98.1076 %
Concentration per Run 3	0.5239 ppm	93.8481 %	99.5036 %	101.5351 %	91.9420 %	98.0569 %	97.9896 %
Recovery Percentage 1	104.857 %						
Concentration RSD	0.2 %	6.4 %	0.1 %	0.2 %	6.2 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: CCB

Analysis started at: 9/8/2025 8:08:42 PM

Comments: <Comment>

Rack: 0

Vial: 4

	Ag 328.068 (103) Axial)	Al 396.152 (85) Radial)	As 189.042 (478) Axial)	B 208.959 (461) Axial)	Ba 455.403 (74) Radial)	Be 313.042 (108) Radial)	Ca 315.887 (107) Radial)
Concentration average	-0.0004 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run 1	-0.0004 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0058 ppm
Concentration per Run 2	-0.0004 ppm	0.0011 ppm	0.0001 ppm	-0.0005 ppm	0.0030 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0006 ppm	0.0027 ppm	0.0001 ppm	0.0000 ppm
Recovery Percentage 1	-5.151 %	0.390 %	166.6 %	2.001 %	9.235 %	-0.287 %	1.070 %
Concentration RSD	27.5 %	166.6 %	579.7 %	6.9 %	302.7 %	88.0 %	2.222 %

	Cd 214.438 (457) Axial)	Co 228.616 (447) Axial)	Cr 267.716 (126) Axial)	Cu 324.754 (104) Axial)	Fe 259.940 (130) Radial)	K 766.490 (44) Radial)	Li 670.784 (50) Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0036 ppm	0.0779 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	-0.0039 ppm	0.0887 ppm	0.0015 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm	-0.0027 ppm	0.0735 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0004 ppm	-0.0001 ppm	-0.0043 ppm	0.0715 ppm	0.0003 ppm
Recovery Percentage 1	0.724 %	0.412 %	1.497 %	-1.499 %	-7.260 %	3.117 %	10.017 %
Concentration RSD	86.5 %	13.6 %	41.7 %	41.7 %	22.1 %	12.1 %	59.9 %

	Mg 279.079 (121) Axial)	Mn 257.610 (131) Radial)	Mo 202.030 (467) Axial)	Na 589.592 (57) Radial)	Ni 231.604 (445) Axial)	Pb 220.353 (453) Axial)	Sb 206.833 (463) Axial)
Concentration average	-0.0014 ppm	0.0002 ppm	0.0010 ppm	0.2835 ppm	0.0002 ppm	-0.0005 ppm	0.0014 ppm
Concentration per Run 1	-0.0011 ppm	0.0003 ppm	0.0010 ppm	0.3045 ppm	0.0002 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 2	-0.0014 ppm	0.0001 ppm	0.0010 ppm	0.2669 ppm	0.0002 ppm	-0.0011 ppm	0.0024 ppm
Concentration per Run 3	-0.0016 ppm	0.0003 ppm	0.0009 ppm	0.2792 ppm	0.0002 ppm	-0.0004 ppm	0.0003 ppm
Recovery Percentage 1	-1.373 %	2.132 %	1.951 %	14.177 %	0.727 %	-5.176 %	2.740 %
Concentration RSD	17.8 %	55.2 %	9.0 %	6.8 %	20.7 %	107.9 %	77.6 %

	Se 196.090 (472) Axial)	Si 212.412 (459) Axial)	Sn 189.989 (477) Axial)	Sr 421.552 (80) Radial)	Ti 334.904 (101) Axial)	Tl 190.856 (477) Axial)	V 292.402 (115) Axial)
Concentration average	0.0008 ppm	-0.0034 ppm	0.0004 ppm	0.0001 ppm	-0.0003 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 1	0.0020 ppm	-0.0034 ppm	0.0010 ppm	0.0001 ppm	-0.0004 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run 2	-0.0005 ppm	-0.0032 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 3	0.0009 ppm	-0.0036 ppm	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0007 ppm	0.0004 ppm
Recovery Percentage 1	8.029 %	-0.682 %	0.751 %	0.501 %	-3.477 %	4.228 %	2.035 %
Concentration RSD	159.8 %	5.4 %	149.0 %	102.9 %	16.6 %	56.9 %	65.0 %

	Zn 206.200 (463) Axial)	Y 371.030 (91) Radial)	Y 224.306 (450) Axial)	Sc 361.384 (93) Radial)	Sc 227.318 (448) Axial)	Sc 361.384 (93) Axial)
Concentration average	-0.0003 ppm	91.5137 %	101.1118 %	88.9525 %	99.8201 %	98.5919 %
Concentration per Run 1	-0.0004 ppm	87.8133 %	100.9212 %	85.2760 %	99.7882 %	98.5285 %
Concentration per Run 2	-0.0003 ppm	92.9899 %	101.1859 %	102.2070 %	99.4135 %	98.6722 %
Concentration per Run 3	-0.0003 ppm	93.7378 %	101.2283 %	101.9763 %	99.1682 %	98.5769 %
Recovery Percentage 1	-6.655 %	3.5 %	0.2 %	0.1 %	3.6 %	0.1 %
Concentration RSD	28.3 %					

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5T5.imexp

CCV

Sample: 9/8/2025 8:20:50 PM

Comments: <Comment>

Rack: 0

Vial: 10

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	0.5045 ppm	0.5211 ppm	0.4897 ppm	0.4906 ppm	0.5295 ppm	0.5308 ppm	0.5294 ppm
Concentration per Run 1	0.5055 ppm	0.5650 ppm	0.4913 ppm	0.4907 ppm	0.5784 ppm	0.5799 ppm	0.5839 ppm
Concentration per Run 2	0.5044 ppm	0.5045 ppm	0.4873 ppm	0.4896 ppm	0.5145 ppm	0.5155 ppm	0.5110 ppm
Concentration per Run 3	0.5035 ppm	0.4939 ppm	0.4906 ppm	0.4915 ppm	0.4957 ppm	0.4970 ppm	0.4935 ppm
Recovery Percentage 1	100.895 %	104.223 %	97.949 %	98.122 %	105.906 %	106.160 %	105.887 %
Concentration RSD	0.2 %	7.4 %	0.4 %	0.2 %	8.2 %	8.2 %	9.1 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.5055 ppm	0.5061 ppm	0.5237 ppm	0.5106 ppm	0.5180 ppm	5.7213 ppm	0.5690 ppm
Concentration per Run 1	0.5042 ppm	0.5057 ppm	0.5248 ppm	0.5114 ppm	0.5658 ppm	6.2413 ppm	0.6222 ppm
Concentration per Run 2	0.5047 ppm	0.5056 ppm	0.5232 ppm	0.5104 ppm	0.5006 ppm	5.5344 ppm	0.5538 ppm
Concentration per Run 3	0.5075 ppm	0.5071 ppm	0.5232 ppm	0.5099 ppm	0.4875 ppm	5.3883 ppm	0.5311 ppm
Recovery Percentage 1	101.095 %	101.229 %	104.747 %	102.115 %	103.598 %	114.426 %	113.810 %
Concentration RSD	0.4 %	0.2 %	0.2 %	0.1 %	8.1 %	8.0 %	8.3 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	0.5489 ppm	0.5324 ppm	0.5107 ppm	11.0304 ppm	0.5235 ppm	0.5262 ppm	0.5081 ppm
Concentration per Run 1	0.5483 ppm	0.5795 ppm	0.5101 ppm	12.0310 ppm	0.5234 ppm	0.5264 ppm	0.5095 ppm
Concentration per Run 2	0.5479 ppm	0.5173 ppm	0.5100 ppm	10.7114 ppm	0.5222 ppm	0.5239 ppm	0.5071 ppm
Concentration per Run 3	0.5506 ppm	0.5004 ppm	0.5120 ppm	10.3488 ppm	0.5248 ppm	0.5283 ppm	0.5076 ppm
Recovery Percentage 1	109.789 %	106.487 %	102.141 %	110.304 %	104.694 %	105.239 %	101.612 %
Concentration RSD	0.3 %	7.8 %	0.2 %	8.0 %	0.3 %	0.4 %	0.2 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.4983 ppm	5.3709 ppm	0.5221 ppm	0.5234 ppm	0.5256 ppm	0.5123 ppm	0.5299 ppm
Concentration per Run 1	0.4965 ppm	5.3749 ppm	0.5236 ppm	0.5720 ppm	0.5260 ppm	0.5105 ppm	0.5296 ppm
Concentration per Run 2	0.4986 ppm	5.3592 ppm	0.5212 ppm	0.5082 ppm	0.5257 ppm	0.5131 ppm	0.5310 ppm
Concentration per Run 3	0.4997 ppm	5.3786 ppm	0.5214 ppm	0.4899 ppm	0.5252 ppm	0.5134 ppm	0.5290 ppm
Recovery Percentage 1	99.654 %	102.303 %	104.414 %	104.679 %	105.125 %	102.470 %	105.973 %
Concentration RSD	0.3 %	0.2 %	0.3 %	8.2 %	0.1 %	0.3 %	0.2 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 360.073 {94} Axial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	0.5191 ppm	86.9994 %	100.0973 %	101.7358 %	85.2650 %	98.3118 %	98.6119 %
Concentration per Run 1	0.5182 ppm	80.0748 %	100.0758 %	101.8995 %	78.3945 %	98.4043 %	98.6066 %
Concentration per Run 2	0.5189 ppm	89.2259 %	99.8781 %	101.6529 %	87.3496 %	98.4803 %	98.3826 %
Concentration per Run 3	0.5202 ppm	91.6975 %	100.3380 %	101.6548 %	90.0508 %	98.0507 %	98.8467 %
Recovery Percentage 1	103.817 %						
Concentration RSD	0.2 %	7.0 %	0.2 %	0.1 %	7.2 %	0.2 %	0.2 %

ICP DataTrace 5

9/8/2025 8:59:08 PM



LabBook: WG2111813_09082025T5.imexp

Sample: CCB
Analysis started at: 9/8/2025 8:26:57 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} Axial)	Al 396.152 {85} Radial)	As 189.042 {478} Axial)	B 208.959 {461} Axial)	Ba 455.403 {74} Radial)	Be 313.042 {108} Radial)	Ca 315.887 {107} Radial)
Concentration average	-0.0001 ppm	-0.0054 ppm	0.0012 ppm	0.0026 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 1	-0.0006 ppm	-0.0081 ppm	-0.0006 ppm	0.0026 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	-0.0062 ppm	0.0017 ppm	0.0024 ppm	-0.0001 ppm	0.0001 ppm	0.0035 ppm
Concentration per Run 3	0.0001 ppm	-0.0019 ppm	0.0026 ppm	0.0027 ppm	0.0001 ppm	0.0000 ppm	-0.0032 ppm
Recovery Percentage 1	-2.134 %	-5.398 %	24.324 %	8.514 %	-2.008 %	1.013 %	0.111 %
Concentration RSD	247.7 %	59.2 %	134.6 %	6.9 %	450.6 %	51.0 %	2991.0 %

	Cd 214.438 {457} Axial)	Co 228.616 {447} Axial)	Cr 267.716 {126} Axial)	Cu 324.754 {104} Axial)	Fe 259.940 {130} Radial)	K 766.490 {44} Radial)	Li 670.784 {50} Radial)
Concentration average	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0037 ppm	0.0593 ppm	0.0011 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0025 ppm	0.0724 ppm	0.0004 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0047 ppm	0.0466 ppm	0.0019 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm	-0.0038 ppm	0.0590 ppm	0.0011 ppm
Recovery Percentage 1	1.829 %	0.344 %	-1.054 %	-0.074 %	-7.363 %	2.372 %	11.281 %
Concentration RSD	11.2 %	193.3 %	63.3 %	1417.0 %	29.0 %	21.7 %	64.8 %

	Mg 279.079 {121} Axial)	Mn 257.610 {131} Radial)	Mo 202.030 {467} Axial)	Na 589.592 {57} Radial)	Ni 231.604 {445} Axial)	Pb 220.353 {453} Axial)	Sb 206.833 {463} Axial)
Concentration average	-0.0010 ppm	0.0002 ppm	0.0008 ppm	0.2131 ppm	0.0001 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run 1	-0.0017 ppm	-0.0001 ppm	0.0011 ppm	0.2117 ppm	0.0000 ppm	0.0015 ppm	0.0005 ppm
Concentration per Run 2	0.0004 ppm	0.0006 ppm	0.0008 ppm	0.2048 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 3	-0.0016 ppm	0.0001 ppm	0.0006 ppm	0.2227 ppm	0.0001 ppm	0.0006 ppm	0.0004 ppm
Recovery Percentage 1	-0.962 %	2.098 %	1.602 %	10.653 %	0.243 %	8.399 %	0.654 %
Concentration RSD	122.7 %	149.5 %	28.9 %	4.2 %	78.9 %	67.6 %	64.9 %

	Se 196.090 {472} Axial)	Si 212.412 {459} Axial)	Sn 189.989 {477} Axial)	Sr 421.552 {80} Radial)	Ti 334.904 {101} Axial)	Tl 190.856 {477} Axial)	V 292.402 {115} Axial)
Concentration average	0.0002 ppm	-0.0028 ppm	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run 1	-0.0016 ppm	-0.0025 ppm	-0.0004 ppm	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	-0.0001 ppm	-0.0028 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run 3	0.0024 ppm	-0.0032 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0037 ppm	0.0001 ppm
Recovery Percentage 1	2.166 %	-0.565 %	-0.178 %	0.227 %	-2.801 %	5.880 %	1.438 %
Concentration RSD	940.5 %	11.2 %	310.0 %	398.9 %	15.7 %	186.9 %	83.0 %

	Zn 206.200 {463} Axial)	Y 371.030 {91} Radial)	Y 224.306 {450} Axial)	Sc 361.384 {93} Radial)	Sc 227.318 {448} Axial)	Sc 361.384 {93} Axial)
Concentration average	-0.0002 ppm	92.4131 %	101.4803 %	102.7795 %	88.5981 %	100.5010 %
Concentration per Run 1	-0.0002 ppm	89.5344 %	101.4319 %	102.8024 %	86.4248 %	100.6085 %
Concentration per Run 2	-0.0003 ppm	93.1157 %	101.3017 %	102.7846 %	90.5968 %	100.5438 %
Concentration per Run 3	-0.0003 ppm	94.5891 %	101.7074 %	102.7513 %	91.7725 %	100.3508 %
Recovery Percentage 1	-5.000 %					
Concentration RSD	35.9 %	2.8 %	0.2 %	0.0 %	3.1 %	0.1 %
						0.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: Blank MFR Trace9

Analysis started at: 9/10/2025 4:25:19 PM

Rack

Vial 0

Comment 1

<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.7 %	18.2 %	2.5 %	-1.4 %	0.2 %	-8.3 %	0.2 %
	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.0 %	0.4 %	-0.5 %	-0.1 %	0.2 %	-0.2 %	-2.3 %
	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.3 %	-0.8 %	7.9 %	0.1 %	0.4 %	-0.5 %	-12.1 %
	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.1 %	0.3 %	0.6 %	0.8 %	-0.3 %	-0.9 %	0.3 %
	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.7 %	0.1 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: ICAL

Analysis started at: 9/10/2025 4:28:45 PM

Rack 0

Vial 2

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0040 ppm	24.9093 ppm	1.0003 ppm	1.0055 ppm	1.0025 ppm	0.9979 ppm	9.9625 ppm
Concentration per Run 2	0.9974 ppm	25.1427 ppm	0.9997 ppm	0.9966 ppm	1.0014 ppm	1.0036 ppm	10.0186 ppm
Concentration per Run 3	0.9986 ppm	24.9480 ppm	1.0000 ppm	0.9979 ppm	0.9962 ppm	0.9984 ppm	10.0189 ppm
Concentration RSD	0.4 %	0.5 %	0.0 %	0.5 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0011 ppm	0.9983 ppm	1.0061 ppm	1.0001 ppm	24.9081 ppm	34.9972 ppm	1.0018 ppm
Concentration per Run 2	1.0034 ppm	1.0007 ppm	0.9982 ppm	0.9999 ppm	25.0693 ppm	35.0400 ppm	1.0038 ppm
Concentration per Run 3	0.9956 ppm	1.0010 ppm	0.9957 ppm	1.0000 ppm	25.0226 ppm	34.9627 ppm	0.9944 ppm
Concentration RSD	0.4 %	0.1 %	0.5 %	0.0 %	0.3 %	0.1 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.0138 ppm	0.9987 ppm	1.0029 ppm	24.8365 ppm	1.0010 ppm	0.9972 ppm	1.0003 ppm
Concentration per Run 2	10.0191 ppm	1.0038 ppm	0.9964 ppm	24.9882 ppm	1.0041 ppm	0.9970 ppm	1.0025 ppm
Concentration per Run 3	9.9672 ppm	0.9975 ppm	1.0006 ppm	25.1753 ppm	0.9949 ppm	1.0058 ppm	0.9972 ppm
Concentration RSD	0.3 %	0.3 %	0.3 %	0.7 %	0.5 %	0.5 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0010 ppm	10.0185 ppm	0.9982 ppm	1.0024 ppm	1.0029 ppm	0.9968 ppm	1.0015 ppm
Concentration per Run 2	0.9970 ppm	10.0145 ppm	0.9980 ppm	1.0023 ppm	0.9974 ppm	0.9928 ppm	1.0017 ppm
Concentration per Run 3	1.0020 ppm	9.9670 ppm	1.0038 ppm	0.9997 ppm	0.9997 ppm	1.0103 ppm	0.9968 ppm
Concentration RSD	0.3 %	0.3 %	0.3 %	0.4 %	0.3 %	0.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0000 ppm	106.7443 %	101.2887 %	101.4111 %	104.2918 %	99.1056 %	100.2892 %
Concentration per Run 1	1.0053 ppm	106.9398 %	102.1638 %	101.6259 %	104.2205 %	100.0027 %	100.6898 %
Concentration per Run 2	1.0024 ppm	107.1598 %	100.5503 %	101.4255 %	105.0393 %	98.8371 %	100.0667 %
Concentration per Run 3	0.9923 ppm	106.1334 %	101.1521 %	101.1821 %	103.6157 %	98.4771 %	100.1112 %
Concentration RSD	0.7 %	0.5 %	0.8 %	0.2 %	0.7 %	0.8 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

ICV

Sample: 9/10/2025 4:33:15 PM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4899 ppm	0.5010 ppm	0.4965 ppm	0.4990 ppm	0.5034 ppm	0.5160 ppm	0.5060 ppm
Concentration per Run 1	0.4904 ppm	0.4985 ppm	0.4960 ppm	0.4941 ppm	0.5069 ppm	0.5194 ppm	0.5069 ppm
Concentration per Run 2	0.4879 ppm	0.4992 ppm	0.4949 ppm	0.5005 ppm	0.4978 ppm	0.5104 ppm	0.5038 ppm
Concentration per Run 3	0.4914 ppm	0.5055 ppm	0.4987 ppm	0.5024 ppm	0.5056 ppm	0.5182 ppm	0.5073 ppm
Recovery Percentage 1	97.975 %	100.206 %	99.305 %	99.795 %	100.687 %	103.199 %	101.199 %
Concentration RSD	0.4 %	0.8 %	0.4 %	0.9 %	1.0 %	0.9 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5064 ppm	0.5082 ppm	0.5070 ppm	0.4979 ppm	0.5107 ppm	5.2650 ppm	0.5228 ppm
Concentration per Run 1	0.5060 ppm	0.5070 ppm	0.5048 ppm	0.4978 ppm	0.5140 ppm	5.3194 ppm	0.5278 ppm
Concentration per Run 2	0.5043 ppm	0.5069 ppm	0.5068 ppm	0.4959 ppm	0.5057 ppm	5.1665 ppm	0.5162 ppm
Concentration per Run 3	0.5088 ppm	0.5106 ppm	0.5092 ppm	0.5000 ppm	0.5124 ppm	5.3091 ppm	0.5246 ppm
Recovery Percentage 1	101.276 %	101.632 %	101.391 %	99.583 %	102.137 %	105.300 %	104.556 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.4 %	0.9 %	1.6 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4957 ppm	0.5159 ppm	0.4993 ppm	10.3983 ppm	0.5070 ppm	0.5159 ppm	0.5117 ppm
Concentration per Run 1	0.4990 ppm	0.5177 ppm	0.4988 ppm	10.5054 ppm	0.5056 ppm	0.5176 ppm	0.5158 ppm
Concentration per Run 2	0.4962 ppm	0.5117 ppm	0.4946 ppm	10.3345 ppm	0.5080 ppm	0.5172 ppm	0.5095 ppm
Concentration per Run 3	0.4918 ppm	0.5181 ppm	0.5046 ppm	10.3549 ppm	0.5074 ppm	0.5128 ppm	0.5097 ppm
Recovery Percentage 1	99.137 %	103.171 %	99.866 %	103.983 %	101.403 %	103.174 %	102.335 %
Concentration RSD	0.7 %	0.7 %	1.0 %	0.9 %	0.2 %	0.5 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4979 ppm	5.3724 ppm	0.4917 ppm	0.5071 ppm	0.5000 ppm	0.4935 ppm	0.5070 ppm
Concentration per Run 1	0.4968 ppm	5.3470 ppm	0.4893 ppm	0.5115 ppm	0.4990 ppm	0.4915 ppm	0.5077 ppm
Concentration per Run 2	0.4979 ppm	5.3605 ppm	0.4893 ppm	0.5009 ppm	0.4995 ppm	0.4925 ppm	0.5049 ppm
Concentration per Run 3	0.4990 ppm	5.4098 ppm	0.4965 ppm	0.5088 ppm	0.5015 ppm	0.4963 ppm	0.5084 ppm
Recovery Percentage 1	99.585 %	102.332 %	98.347 %	101.412 %	99.996 %	98.691 %	101.405 %
Concentration RSD	0.2 %	0.6 %	0.8 %	1.1 %	0.3 %	0.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5143 ppm	107.0350 %	100.8351 %	102.0457 %	105.2228 %	99.7123 %	101.3568 %
Concentration per Run 1	0.5130 ppm	107.3448 %	99.1399 %	102.0366 %	104.9728 %	98.3977 %	100.8553 %
Concentration per Run 2	0.5119 ppm	107.6479 %	102.8348 %	101.8300 %	105.4614 %	101.5882 %	101.5806 %
Concentration per Run 3	0.5182 ppm	106.1123 %	100.5307 %	102.2705 %	105.2341 %	99.1511 %	101.6346 %
Recovery Percentage 1	102.870 %						
Concentration RSD	0.7 %	0.8 %	1.9 %	0.2 %	0.2 %	1.7 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

ICB

Sample: Analysis started at: 9/10/2025 4:36:29 PM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0004 ppm	0.0048 ppm	-0.0019 ppm	0.0024 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0014 ppm	-0.0038 ppm	0.0026 ppm	-0.0001 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 2	-0.0015 ppm	0.0069 ppm	-0.0037 ppm	0.0024 ppm	-0.0001 ppm	0.0000 ppm	-0.0027 ppm
Concentration per Run 3	0.0003 ppm	0.0059 ppm	0.0018 ppm	0.0022 ppm	-0.0001 ppm	-0.0001 ppm	0.0024 ppm
Recovery Percentage 1	-6.043 %	4.774 %	-38.533 %	8.009 %	-0.741 %	-0.796 %	-0.193 %
Concentration RSD	227.0 %	61.3 %	165.5 %	9.5 %	1.7 %	191.7 %	1.337.4 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0000 ppm	-0.0018 ppm	-0.0004 ppm	0.0003 ppm	0.0001 ppm	-0.0005 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	-0.0016 ppm	0.0014 ppm	-0.0003 ppm	0.0002 ppm	-0.0104 ppm	0.0000 ppm
Concentration per Run 2	0.0002 ppm	-0.0010 ppm	-0.0006 ppm	0.0012 ppm	-0.0009 ppm	-0.0031 ppm	0.0004 ppm
Concentration per Run 3	-0.0002 ppm	-0.0029 ppm	-0.0019 ppm	0.0002 ppm	0.0010 ppm	0.0119 ppm	0.0008 ppm
Recovery Percentage 1	0.532 %	-9.151 %	-3.565 %	3.386 %	0.219 %	-0.022 %	7.775 %
Concentration RSD	826.9 %	53.5 %	477.9 %	227.1 %	853.0 %	2,109.1 %	113.2 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0024 ppm	-0.0001 ppm	0.0029 ppm	-0.0183 ppm	0.0003 ppm	0.0010 ppm	-0.0059 ppm
Concentration per Run 1	0.0018 ppm	0.0001 ppm	0.0026 ppm	-0.0180 ppm	0.0012 ppm	-0.0001 ppm	-0.0035 ppm
Concentration per Run 2	0.0056 ppm	-0.0001 ppm	0.0028 ppm	-0.0206 ppm	-0.0005 ppm	0.0019 ppm	-0.0065 ppm
Concentration per Run 3	-0.0003 ppm	-0.0002 ppm	0.0032 ppm	-0.0164 ppm	0.0001 ppm	0.0012 ppm	-0.0078 ppm
Recovery Percentage 1	2.382 %	-0.577 %	5.743 %	-0.917 %	1.050 %	10.021 %	-11.848 %
Concentration RSD	126.0 %	230.6 %	11.6 %	11.5 %	329.8 %	100.0 %	36.6 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0012 ppm	-0.0106 ppm	0.0009 ppm	0.0000 ppm	0.0013 ppm	0.0035 ppm	0.0001 ppm
Concentration per Run 1	-0.0020 ppm	-0.0102 ppm	0.0015 ppm	0.0000 ppm	0.0019 ppm	0.0024 ppm	0.0007 ppm
Concentration per Run 2	0.0042 ppm	-0.0115 ppm	0.0029 ppm	0.0000 ppm	0.0014 ppm	0.0059 ppm	-0.0003 ppm
Concentration per Run 3	0.0013 ppm	-0.0101 ppm	-0.0017 ppm	0.0000 ppm	0.0006 ppm	0.0021 ppm	-0.0001 ppm
Recovery Percentage 1	11.724 %	-2.121 %	1.777 %	0.011 %	12.912 %	17.362 %	1.080 %
Concentration RSD	264.3 %	7.1 %	267.6 %	3.868.6 %	50.6 %	61.4 %	471.1 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	-0.0001 ppm	105.6799 %	100.4962 %	101.1044 %	104.6501 %	100.7020 %	101.7198 %
Concentration per Run 1	-0.0001 ppm	105.0184 %	100.0762 %	100.8477 %	104.4589 %	100.1883 %	101.6823 %
Concentration per Run 2	0.0001 ppm	106.5192 %	100.4403 %	100.9912 %	105.1287 %	100.8923 %	101.8290 %
Concentration per Run 3	-0.0003 ppm	105.5021 %	100.9721 %	101.4743 %	104.3618 %	101.2253 %	101.6481 %
Recovery Percentage 1	-1.783 %	0.7 %	0.4 %	0.3 %	0.4 %	0.5 %	0.1 %
Concentration RSD	228.4 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

LLOQ

Sample: 9/10/2025 4:40:23 PM

Rack 0

Vial 5

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0052 ppm	0.0970 ppm	0.0021 ppm	0.0297 ppm	0.0103 ppm	0.0052 ppm	0.0970 ppm
Concentration per Run 1	0.0047 ppm	0.0901 ppm	0.0046 ppm	0.0253 ppm	0.0103 ppm	0.0053 ppm	0.0975 ppm
Concentration per Run 2	0.0057 ppm	0.0973 ppm	0.0027 ppm	0.0316 ppm	0.0100 ppm	0.0051 ppm	0.0976 ppm
Concentration per Run 3	0.0053 ppm	0.1037 ppm	-0.0010 ppm	0.0323 ppm	0.0104 ppm	0.0051 ppm	0.0959 ppm
Recovery Percentage 1	104.890 %	97.006 %	41.358 %	99.024 %	102.626 %	103.457 %	97.003 %
Concentration RSD	9.7 %	7.0 %	138.7 %	13.0 %	1.9 %	1.7 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0041 ppm	0.0093 ppm	0.0112 ppm	0.0100 ppm	0.0537 ppm	2.6927 ppm	0.0106 ppm
Concentration per Run 1	0.0041 ppm	0.0087 ppm	0.0113 ppm	0.0100 ppm	0.0541 ppm	2.7119 ppm	0.0109 ppm
Concentration per Run 2	0.0039 ppm	0.0098 ppm	0.0117 ppm	0.0105 ppm	0.0522 ppm	2.6716 ppm	0.0099 ppm
Concentration per Run 3	0.0041 ppm	0.0095 ppm	0.0107 ppm	0.0095 ppm	0.0548 ppm	2.6946 ppm	0.0111 ppm
Recovery Percentage 1	101.430 %	93.160 %	112.428 %	100.251 %	107.329 %	107.708 %	106.188 %
Concentration RSD	2.4 %	6.0 %	4.3 %	4.8 %	2.5 %	0.8 %	6.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1024 ppm	0.0102 ppm	0.0507 ppm	2.0747 ppm	0.0195 ppm	0.0119 ppm	0.0463 ppm
Concentration per Run 1	0.1034 ppm	0.0102 ppm	0.0509 ppm	2.0703 ppm	0.0187 ppm	0.0116 ppm	0.0455 ppm
Concentration per Run 2	0.1009 ppm	0.0103 ppm	0.0499 ppm	2.0753 ppm	0.0196 ppm	0.0130 ppm	0.0395 ppm
Concentration per Run 3	0.1027 ppm	0.0102 ppm	0.0513 ppm	2.0785 ppm	0.0201 ppm	0.0110 ppm	0.0539 ppm
Recovery Percentage 1	102.356 %	102.062 %	101.409 %	103.734 %	97.333 %	118.548 %	92.630 %
Concentration RSD	1.2 %	0.5 %	1.5 %	0.2 %	3.6 %	8.5 %	15.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0121 ppm	0.5110 ppm	0.0505 ppm	0.0101 ppm	0.0110 ppm	0.0195 ppm	0.0099 ppm
Concentration per Run 1	0.0146 ppm	0.5130 ppm	0.0499 ppm	0.0102 ppm	0.0111 ppm	0.0186 ppm	0.0098 ppm
Concentration per Run 2	0.0139 ppm	0.5069 ppm	0.0511 ppm	0.0100 ppm	0.0107 ppm	0.0209 ppm	0.0098 ppm
Concentration per Run 3	0.0077 ppm	0.5130 ppm	0.0505 ppm	0.0101 ppm	0.0113 ppm	0.0190 ppm	0.0102 ppm
Recovery Percentage 1	120.752 %	102.194 %	100.962 %	100.995 %	110.458 %	97.560 %	99.321 %
Concentration RSD	31.5 %	0.7 %	1.2 %	0.8 %	2.7 %	6.3 %	2.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0054 ppm	105.2623 %	101.5271 %	101.3345 %	103.1839 %	100.0178 %	100.6891 %
Concentration per Run 1	0.0053 ppm	105.3678 %	101.4522 %	100.4523 %	103.1875 %	100.3358 %	100.0360 %
Concentration per Run 2	0.0048 ppm	105.9972 %	102.0220 %	101.6545 %	103.7099 %	100.2125 %	100.9858 %
Concentration per Run 3	0.0061 ppm	104.4218 %	101.1072 %	101.8968 %	102.6543 %	99.5052 %	101.0455 %
Recovery Percentage 1	107.909 %	0.8 %	0.5 %	0.8 %	0.5 %	0.4 %	0.6 %
Concentration RSD	12.4 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

ICSA

Sample: Analysis started at: 9/10/2025 4:43:38 PM

Rack 0

Vial 6

Comment LDR +/-10%

	Ag 328.068 Axial-eUV	Al 396.152 Radial-eUV	As 189.042 Axial-eUV	B 208.959 Axial-eUV	Ba 455.403 Radial-eUV	Be 313.042 Radial-eUV	Ca 315.887 Radial-eUV
Concentration average	0.0012 ppm	507.7245 [SIC 500]	-0.0015 ppm	-0.0064 ppm	0.0019 ppm	0.0000 ppm	473.3976 ppm
Concentration per Run 1	0.0011 ppm	504.1522 ppm	0.0031 ppm	-0.0084 ppm	0.0019 ppm	0.0000 ppm	472.1601 ppm
Concentration per Run 2	0.0013 ppm	509.5359 ppm	-0.0037 ppm	-0.0082 ppm	0.0019 ppm	0.0000 ppm	474.2887 ppm
Concentration per Run 3	0.0011 ppm	509.4853 ppm	-0.0040 ppm	-0.0026 ppm	0.0018 ppm	0.0000 ppm	473.7441 ppm
Recovery Percentage 1	16.823 %	16.823 %	-30.404 %	-21.334 %	18.724 %	-0.472 %	473.7441 ppm
Concentration RSD	12.3 %	0.6 %	264.5 %	51.9 %	1.8 %	79.3 %	0.2 %

	Cd 214.438 Axial-eUV	Co 228.616 Axial-eUV	Cr 267.716 Axial-eUV	Cu 324.754 Axial-eUV	Fe 259.940 Radial-eUV	K 766.490 Radial-eUV	Li 670.776 Radial-eUV
Concentration average	-0.0044 ppm	-0.0018 ppm	0.0014 ppm	0.0023 ppm	183.1722 ppm	-0.0268 ppm	-0.0025 ppm
Concentration per Run 1	-0.0046 ppm	-0.0029 ppm	0.0017 ppm	0.0018 ppm	181.0101 ppm	-0.0282 ppm	-0.0019 ppm
Concentration per Run 2	-0.0040 ppm	-0.0013 ppm	0.0013 ppm	0.0038 ppm	184.3346 ppm	-0.0204 ppm	-0.0030 ppm
Concentration per Run 3	-0.0047 ppm	-0.0012 ppm	0.0012 ppm	0.0012 ppm	184.1719 ppm	-0.0317 ppm	-0.0025 ppm
Recovery Percentage 1	-88.073 %	-9.161 %	13.806 %	22.754 %	1.0 %	-1.070 %	-49.447 %
Concentration RSD	8.1 %	50.7 %	18.5 %	61.2 %	21.6 %	21.6 %	21.5 %

	Mg 279.079 Axial-eUV	Mn 257.610 Radial-eUV	Mo 202.030 Axial-eUV	Na 589.592 Radial-eUV	Ni 231.604 Axial-eUV	Pb 220.353 Axial-eUV	Sb 206.833 Axial-eUV
Concentration average	497.3414 ppm	-0.0004 ppm	-0.0019 ppm	0.0025 ppm	-0.0001 ppm	0.0002 ppm	-0.0234 ppm
Concentration per Run 1	497.7905 ppm	-0.0001 ppm	-0.0025 ppm	0.0037 ppm	0.0012 ppm	-0.0004 ppm	-0.0237 ppm
Concentration per Run 2	497.0710 ppm	-0.0006 ppm	-0.0013 ppm	0.0008 ppm	-0.0004 ppm	-0.0019 ppm	-0.0249 ppm
Concentration per Run 3	497.1626 ppm	-0.0005 ppm	-0.0019 ppm	0.0030 ppm	-0.0012 ppm	0.0029 ppm	-0.0216 ppm
Recovery Percentage 1		-4.024 %	-3.831 %	0.125 %	-0.599 %	1.810 %	-46.823 %
Concentration RSD	0.1 %	56.6 %	31.8 %	60.1 %	817.2 %	1.377 %	7.0 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-eUV	Sn 189.989 Axial-eUV	Sr 421.552 Radial-eUV	Ti 334.904 Axial-eUV	Tl 190.856 Axial-eUV	V 282.402 Axial-eUV
Concentration average	0.0015 ppm	-0.0051 ppm	0.0022 ppm	0.0058 ppm	0.0012 ppm	0.0061 ppm	-0.0025 ppm
Concentration per Run 1	-0.0043 ppm	-0.0089 ppm	0.0028 ppm	0.0057 ppm	0.0019 ppm	0.0068 ppm	-0.0018 ppm
Concentration per Run 2	0.0064 ppm	-0.0040 ppm	0.0013 ppm	0.0058 ppm	0.0015 ppm	0.0051 ppm	-0.0036 ppm
Concentration per Run 3	0.0024 ppm	-0.0023 ppm	0.0025 ppm	0.0059 ppm	0.0004 ppm	0.0064 ppm	-0.0021 ppm
Recovery Percentage 1	15.040 %	-1.014 %	4.424 %	57.994 %	12.458 %	30.453 %	-24.822 %
Concentration RSD	361.1 %	67.3 %	36.5 %	1.5 %	62.6 %	14.9 %	39.5 %

	Zn 206.200 Axial-eUV	Sc 361.384 Axial-eUV	Sc 361.384 Radial-eUV	Sc 227.318 Axial-eUV	Y 360.073 Axial-eUV	Y 371.030 Radial-eUV	Y 224.306 Axial-eUV
Concentration average	-0.0049 ppm	102.7630 %	94.7595 %	91.3791 %	96.8594 %	93.8242 %	92.7792 %
Concentration per Run 1	-0.0047 ppm	103.1811 %	95.0310 %	91.2257 %	97.3431 %	94.0834 %	92.4638 %
Concentration per Run 2	-0.0051 ppm	102.2012 %	94.8233 %	91.5203 %	96.4594 %	93.7518 %	92.9339 %
Concentration per Run 3	-0.0050 ppm	102.9068 %	94.4242 %	91.3914 %	96.7757 %	93.6372 %	92.9398 %
Recovery Percentage 1	-98.879 %	0.5 %	0.3 %	0.2 %	0.5 %	0.2 %	0.3 %
Concentration RSD	4.7 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: SIC Multi
Analysis started at: 9/10/2025 4:48:25 PM
Rack 0
Vial 7
Comment LDR +/-10%

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.1017 ppm	-0.0011 ppm	0.0036 ppm	0.0016 ppm	-0.0031 ppm	0.0558 ppm
Concentration per Run 1	-0.0010 ppm	0.1033 ppm	-0.0009 ppm	0.1033 ppm	0.0046 ppm	-0.0031 ppm	0.0580 ppm
Concentration per Run 2	-0.0004 ppm	0.1087 ppm	-0.0002 ppm	0.0027 ppm	0.0016 ppm	-0.0031 ppm	0.0560 ppm
Concentration per Run 3	-0.0003 ppm	0.0931 ppm	-0.0021 ppm	0.0035 ppm	0.0017 ppm	-0.0031 ppm	0.0535 ppm
Recovery Percentage 1	-8.068 %	101.705 %	-21.416 %	11.979 %	16.077 %	-76.710 %	55.801 %
Concentration RSD	69.0 %	7.8 %	90.8 %	26.0 %	5.6 %	1.7 %	4.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	-0.0005 ppm	21.2847 ppm	-0.0024 ppm	0.0675 ppm	0.0519 ppm	0.0023 ppm
Concentration per Run 1	0.0009 ppm	-0.0001 ppm	21.2007 ppm	-0.0026 ppm	0.0687 ppm	0.0737 ppm	0.0022 ppm
Concentration per Run 2	0.0009 ppm	0.0000 ppm	21.3312 ppm	-0.0023 ppm	0.0676 ppm	0.0315 ppm	0.0019 ppm
Concentration per Run 3	0.0011 ppm	-0.0014 ppm	21.3220 ppm	-0.0023 ppm	0.0662 ppm	0.0503 ppm	0.0027 ppm
Recovery Percentage 1	19.070 %	-2.505 %	212.846.546 %	-24.019 %	134.994 %	2.075 %	45.162 %
Concentration RSD	13.8 %	155.6 %	0.3 %	7.8 %	1.8 %	40.7 %	16.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0888 ppm	21.1519 [SIC 100]	-0.0015 ppm	0.0127 ppm	0.0026 ppm	-0.0013 ppm	0.0043 ppm
Concentration per Run 1	0.0946 ppm	20.9300 ppm	-0.0024 ppm	0.0094 ppm	0.0038 ppm	-0.0034 ppm	0.0055 ppm
Concentration per Run 2	0.0853 ppm	21.3111 ppm	-0.0023 ppm	0.0136 ppm	0.0025 ppm	0.0028 ppm	0.0043 ppm
Concentration per Run 3	0.0863 ppm	21.2146 ppm	0.0001 ppm	0.0151 ppm	0.0013 ppm	-0.0033 ppm	0.0030 ppm
Recovery Percentage 1	88.757 %	211,519.337 %	-3.068 %	0.636 %	10.286 %	-12.869 %	8.521 %
Concentration RSD	5.8 %	0.9 %	94.7 %	23.2 %	48.3 %	275.3 %	30.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0037 ppm	-0.3318 ppm	0.0072 ppm	0.0014 ppm	20.8312 ppm	0.0111 ppm	10.5483 [SIC 10]
Concentration per Run 1	-0.0084 ppm	-0.3709 ppm	0.0058 ppm	0.0015 ppm	20.7741 ppm	0.0132 ppm	10.5966 ppm
Concentration per Run 2	-0.0021 ppm	-0.3215 ppm	0.0082 ppm	0.0014 ppm	20.8864 ppm	0.0078 ppm	10.5412 ppm
Concentration per Run 3	-0.0006 ppm	-0.3032 ppm	0.0077 ppm	0.0014 ppm	20.8332 ppm	0.0124 ppm	10.5071 ppm
Recovery Percentage 1	-37.076 %	-66.369 %	14.453 %	13.978 %	208.311.959 %	55.653 %	105,482.820 %
Concentration RSD	110.8 %	10.6 %	17.7 %	4.4 %	0.3 %	26.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	105.3449 %	101.6120 %	103.6114 %	102.9660 %	100.0612 %	100.8772 %
Concentration per Run 1	0.0002 ppm	105.6313 %	101.7679 %	103.4231 %	103.6385 %	100.0408 %	101.5011 %
Concentration per Run 2	0.0002 ppm	105.1753 %	101.4694 %	102.6750 %	102.5759 %	100.0251 %	99.8150 %
Concentration per Run 3	0.0000 ppm	105.2282 %	101.5988 %	104.7362 %	102.6836 %	100.1176 %	101.3156 %
Recovery Percentage 1	2.424 %	0.2 %	0.1 %	1.0 %	0.6 %	0.0 %	0.9 %
Concentration RSD	86.2 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: LDR Check
Analysis started at: 9/10/2025 4:52:11 PM
Rack 0
Vial 8
Comment LDR +/-10%

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	0.0022 ppm	0.1204 ppm	4.9478 ppm	4.9268 ppm	9.8036 ppm	0.0001 ppm	0.0062 ppm
Concentration per Run 1	0.0007 ppm	0.1242 ppm	4.9578 ppm	4.9077 ppm	9.8471 ppm	0.0001 ppm	0.0053 ppm
Concentration per Run 2	0.0036 ppm	0.1207 ppm	4.9380 ppm	4.9745 ppm	9.7632 ppm	0.0001 ppm	0.0070 ppm
Concentration per Run 3	0.0023 ppm	0.1163 ppm	4.9476 ppm	4.8981 ppm	9.8007 ppm	0.0001 ppm	0.0060 ppm
Recovery Percentage 1	67.1 %	3.3 %	98.956 %	98.535 %	98.036 %	0.0001 ppm	12.1 %
Concentration RSD			0.2 %	0.8 %	0.4 %	36.4 %	

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0002 ppm	0.0097 ppm	0.0027 ppm	21.6101 [SIC 60]	0.0011 ppm	314.4401 ppm	4.9082 ppm
Concentration per Run 1	0.0004 ppm	0.0094 ppm	0.0030 ppm	21.5088 ppm	0.0015 ppm	314.6726 ppm	4.9231 ppm
Concentration per Run 2	-0.0002 ppm	0.0085 ppm	0.0031 ppm	21.8046 ppm	0.0005 ppm	314.1742 ppm	4.8659 ppm
Concentration per Run 3	0.0003 ppm	0.0113 ppm	0.0018 ppm	21.5169 ppm	0.0014 ppm	314.4735 ppm	4.9356 ppm
Recovery Percentage 1	0.000 %	0.000 %	14.5 %	108.050 %	50.4 %	104.813 %	0.8 %
Concentration RSD	220.3 %		27.1 %	0.8 %		0.1 %	

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0036 ppm	0.0008 ppm	5.0083 [SIC 20]	476.1836 ppm	10.1487 [SIC 20]	50.1788 ppm	0.0022 ppm
Concentration per Run 1	0.0066 ppm	0.0007 ppm	5.0115 ppm	477.6364 ppm	10.1392 ppm	50.1967 ppm	0.0013 ppm
Concentration per Run 2	-0.0017 ppm	0.0007 ppm	5.0423 ppm	474.8315 ppm	10.2336 ppm	50.2237 ppm	-0.0003 ppm
Concentration per Run 3	0.0059 ppm	0.0010 ppm	4.9710 ppm	476.0829 ppm	10.0733 ppm	50.1161 ppm	0.0058 ppm
Recovery Percentage 1		0.000 %	100.165 %	95.237 %	101.487 %	100.358 %	0.000 %
Concentration RSD	127.4 %	21.6 %	0.7 %	0.3 %	0.8 %	0.1 %	141.7 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 282.402 Axial-IFR
Concentration average	0.0043 ppm	20.8154 [SIC 200]	0.0006 ppm	0.0005 ppm	0.0193 ppm	-0.0021 ppm	0.0003 ppm
Concentration per Run 1	0.0018 ppm	20.7997 ppm	0.0040 ppm	0.0007 ppm	0.0214 ppm	0.0028 ppm	0.0003 ppm
Concentration per Run 2	0.0074 ppm	20.8613 ppm	-0.0016 ppm	0.0005 ppm	0.0185 ppm	-0.0043 ppm	0.0010 ppm
Concentration per Run 3	0.0038 ppm	20.7852 ppm	-0.0005 ppm	0.0004 ppm	0.0181 ppm	-0.0047 ppm	-0.0004 ppm
Recovery Percentage 1	0.000 %	104.077 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	65.0 %	0.2 %	484.2 %	27.7 %	9.1 %	205.8 %	243.9 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	19.2253 ppm	108.7571 %	96.1426 %	105.7532 %	106.9866 %	94.8288 %	95.9966 %
Concentration per Run 1	19.2511 ppm	108.8981 %	95.4200 %	105.9644 %	106.4436 %	94.1062 %	95.5240 %
Concentration per Run 2	19.4455 ppm	107.4288 %	96.0787 %	104.9942 %	106.8414 %	94.8850 %	95.7484 %
Concentration per Run 3	18.9792 ppm	109.9444 %	96.9290 %	106.3009 %	107.6747 %	95.4952 %	96.7174 %
Recovery Percentage 1	96.126 %	1.2 %	0.8 %	0.6 %	0.6 %	0.7 %	0.7 %
Concentration RSD							

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xLLOQ.005
Analysis started at: 9/10/2025 5:03:40 PM
Rack 1
Vial 1
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0044 ppm	0.0017 ppm	0.0017 ppm	0.0067 ppm	0.0052 ppm	0.0051 ppm	0.0095 ppm
Concentration per Run 1	0.0051 ppm	0.0064 ppm	0.0020 ppm	0.0081 ppm	0.0051 ppm	0.0051 ppm	0.0107 ppm
Concentration per Run 2	0.0034 ppm	-0.0032 ppm	-0.0021 ppm	0.0042 ppm	0.0052 ppm	0.0050 ppm	0.0074 ppm
Concentration per Run 3	0.0047 ppm	0.0018 ppm	0.0042 ppm	0.0078 ppm	0.0053 ppm	0.0051 ppm	0.0103 ppm
Recovery Percentage 1	87.564 %	0.000 %	27.221 %	0.000 %	0.000 %	101.814 %	0.000 %
Concentration RSD	20.7 %	285.6 %	232.7 %	32.5 %	1.9 %	0.9 %	18.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0053 ppm	0.0049 ppm	0.0053 ppm	0.0048 ppm	0.0040 ppm	0.0495 ppm	0.0059 ppm
Concentration per Run 1	0.0050 ppm	0.0060 ppm	0.0049 ppm	0.0048 ppm	0.0017 ppm	0.0460 ppm	0.0061 ppm
Concentration per Run 2	0.0054 ppm	0.0043 ppm	0.0052 ppm	0.0054 ppm	0.0048 ppm	0.0533 ppm	0.0060 ppm
Concentration per Run 3	0.0055 ppm	0.0045 ppm	0.0059 ppm	0.0044 ppm	0.0056 ppm	0.0492 ppm	0.0057 ppm
Recovery Percentage 1	105.786 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	4.6 %	19.1 %	10.0 %	10.1 %	51.3 %	7.3 %	4.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0089 ppm	0.0054 ppm	0.0057 ppm	0.0881 ppm	0.0045 ppm	0.0076 ppm	0.0045 ppm
Concentration per Run 1	0.0063 ppm	0.0052 ppm	0.0074 ppm	0.0889 ppm	0.0050 ppm	0.0094 ppm	0.0016 ppm
Concentration per Run 2	0.0084 ppm	0.0054 ppm	0.0050 ppm	0.0856 ppm	0.0040 ppm	0.0057 ppm	0.0080 ppm
Concentration per Run 3	0.0121 ppm	0.0054 ppm	0.0046 ppm	0.0897 ppm	0.0044 ppm	0.0078 ppm	0.0043 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	33.2 %	2.2 %	27.3 %	2.5 %	11.9 %	23.8 %	70.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0087 ppm	0.0399 ppm	0.0039 ppm	0.0052 ppm	0.0058 ppm	0.0063 ppm	0.0051 ppm
Concentration per Run 1	0.0085 ppm	0.0375 ppm	0.0042 ppm	0.0051 ppm	0.0049 ppm	0.0047 ppm	0.0042 ppm
Concentration per Run 2	0.0090 ppm	0.0367 ppm	0.0040 ppm	0.0052 ppm	0.0063 ppm	0.0031 ppm	0.0055 ppm
Concentration per Run 3	0.0085 ppm	0.0455 ppm	0.0035 ppm	0.0052 ppm	0.0061 ppm	0.0112 ppm	0.0055 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	3.2 %	12.2 %	8.7 %	1.1 %	12.6 %	67.0 %	14.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0057 ppm	105.5421 %	100.6889 %	102.1305 %	104.6154 %	100.8783 %	102.3667 %
Concentration per Run 1	0.0055 ppm	105.9377 %	100.4981 %	102.4645 %	104.7276 %	100.8125 %	102.5236 %
Concentration per Run 2	0.0060 ppm	106.4258 %	100.8604 %	102.4030 %	104.8736 %	100.7777 %	102.5970 %
Concentration per Run 3	0.0057 ppm	104.2627 %	100.7082 %	101.5241 %	104.2450 %	101.0449 %	101.9797 %
Recovery Percentage 1	114.544 %	1.1 %	0.2 %	0.5 %	0.3 %	0.1 %	0.3 %
Concentration RSD	4.3 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xLLOQ.01

Analysis started at: 9/10/2025 5:06:58 PM

Rack 1

Vial 2

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0088 ppm	0.0060 ppm		0.0084 ppm	0.0102 ppm	0.0101 ppm	0.0128 ppm
Concentration per Run 1	0.0084 ppm	0.0016 ppm	0.0073 ppm	0.0047 ppm	0.0100 ppm	0.0101 ppm	0.0104 ppm
Concentration per Run 2	0.0086 ppm	0.0057 ppm	0.0059 ppm	0.0083 ppm	0.0102 ppm	0.0100 ppm	0.0139 ppm
Concentration per Run 3	0.0094 ppm	0.0107 ppm	0.0115 ppm	0.0085 ppm	0.0103 ppm	0.0101 ppm	0.0142 ppm
Recovery Percentage 1	0.000 %	0.000 %	73.380 %	83.732 %	101.709 %	0.000 %	0.000 %
Concentration RSD	6.0 %	76.4 %	49.4 %	1.3 %	1.8 %	0.4 %	16.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0100 ppm	0.0092 ppm	0.0095 ppm	0.0095 ppm	0.0116 ppm	0.1232 ppm	0.0116 ppm
Concentration per Run 1	0.0098 ppm	0.0103 ppm	0.0101 ppm	0.0095 ppm	0.0112 ppm	0.1151 ppm	0.0127 ppm
Concentration per Run 2	0.0100 ppm	0.0096 ppm	0.0095 ppm	0.0095 ppm	0.0104 ppm	0.1261 ppm	0.0107 ppm
Concentration per Run 3	0.0102 ppm	0.0077 ppm	0.0095 ppm	0.0133 ppm	0.0128 ppm	0.1285 ppm	0.0112 ppm
Recovery Percentage 1	0.000 %	91.730 %	95.087 %	95.262 %	0.000 %	0.000 %	115.606 %
Concentration RSD	2.2 %	14.3 %	5.6 %	0.6 %	13.0 %	5.8 %	9.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0145 ppm	0.0105 ppm	0.0102 ppm	0.1847 ppm	0.0116 ppm	0.0130 ppm	0.0050 ppm
Concentration per Run 1	0.0110 ppm	0.0105 ppm	0.0114 ppm	0.1834 ppm	0.0132 ppm	0.0132 ppm	0.0099 ppm
Concentration per Run 2	0.0170 ppm	0.0103 ppm	0.0099 ppm	0.1849 ppm	0.0106 ppm	0.0134 ppm	0.0036 ppm
Concentration per Run 3	0.0155 ppm	0.0106 ppm	0.0093 ppm	0.1857 ppm	0.0134 ppm	0.0123 ppm	0.0015 ppm
Recovery Percentage 1	0.000 %	104.626 %	102.204 %	0.000 %	115.851 %	129.912 %	0.000 %
Concentration RSD	21.6 %	1.0 %	10.6 %	0.6 %	13.6 %	4.7 %	88.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0124 ppm	0.0927 ppm	0.0087 ppm	0.0102 ppm	0.0114 ppm	0.0121 ppm	0.0099 ppm
Concentration per Run 1	0.0093 ppm	0.0958 ppm	0.0093 ppm	0.0102 ppm	0.0112 ppm	0.0071 ppm	0.0104 ppm
Concentration per Run 2	0.0132 ppm	0.0929 ppm	0.0105 ppm	0.0105 ppm	0.0116 ppm	0.0151 ppm	0.0100 ppm
Concentration per Run 3	0.0148 ppm	0.0893 ppm	0.0063 ppm	0.0101 ppm	0.0114 ppm	0.0139 ppm	0.0094 ppm
Recovery Percentage 1	124.333 %	0.000 %	87.071 %	102.455 %	114.110 %	120.544 %	99.161 %
Concentration RSD	22.6 %	3.5 %	24.5 %	1.9 %	1.7 %	35.7 %	5.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0104 ppm	107.2059 %	103.4368 %	103.3763 %	105.8426 %	103.1749 %	103.7432 %
Concentration per Run 1	0.0099 ppm	106.2648 %	104.3805 %	116.7171 %	105.0808 %	103.7766 %	117.0991 %
Concentration per Run 2	0.0105 ppm	107.1407 %	102.2282 %	91.1673 %	105.6677 %	102.4388 %	90.9732 %
Concentration per Run 3	0.0107 ppm	108.2122 %	103.7017 %	102.2444 %	106.7794 %	103.3091 %	103.1572 %
Recovery Percentage 1	103.783 %	0.9 %	1.1 %	12.4 %	0.8 %	0.7 %	12.6 %
Concentration RSD	4.3 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xLLOQ.005
Analysis started at: 9/10/2025 5:26:31 PM
Rack 1
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0039 ppm	0.0049 ppm	0.0027 ppm	0.0049 ppm	0.0051 ppm	0.0051 ppm	0.0079 ppm
Concentration per Run 1	0.0034 ppm	0.0051 ppm	-0.0003 ppm	0.0052 ppm	0.0048 ppm	0.0050 ppm	0.0047 ppm
Concentration per Run 2	0.0030 ppm	0.0036 ppm	0.0028 ppm	0.0051 ppm	0.0052 ppm	0.0051 ppm	0.0095 ppm
Concentration per Run 3	0.0054 ppm	0.0061 ppm	0.0056 ppm	0.0046 ppm	0.0051 ppm	0.0051 ppm	0.0095 ppm
Recovery Percentage 1	78.696 %	0.000 %	53.481 %	0.000 %	0.000 %	101.031 %	0.000 %
Concentration RSD	32.9 %	24.7 %	111.0 %	6.2 %	4.7 %	1.2 %	35.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0050 ppm	0.0032 ppm	0.0049 ppm	0.0048 ppm	0.0053 ppm	0.0514 ppm	0.0057 ppm
Concentration per Run 1	0.0050 ppm	0.0019 ppm	0.0053 ppm	0.0042 ppm	0.0041 ppm	0.0745 ppm	0.0048 ppm
Concentration per Run 2	0.0050 ppm	0.0034 ppm	0.0044 ppm	0.0060 ppm	0.0061 ppm	0.0637 ppm	0.0063 ppm
Concentration per Run 3	0.0049 ppm	0.0044 ppm	0.0050 ppm	0.0042 ppm	0.0057 ppm	0.0159 ppm	0.0061 ppm
Recovery Percentage 1	99.022 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	0.9 %	40.1 %	8.7 %	21.1 %	19.9 %	60.7 %	14.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0098 ppm	0.0054 ppm	0.0050 ppm	0.0784 ppm	0.0064 ppm	0.0064 ppm	-0.0033 ppm
Concentration per Run 1	0.0124 ppm	0.0055 ppm	0.0039 ppm	0.0763 ppm	0.0070 ppm	0.0060 ppm	-0.0066 ppm
Concentration per Run 2	0.0097 ppm	0.0054 ppm	0.0054 ppm	0.0808 ppm	0.0040 ppm	0.0071 ppm	-0.0054 ppm
Concentration per Run 3	0.0075 ppm	0.0053 ppm	0.0056 ppm	0.0781 ppm	0.0082 ppm	0.0060 ppm	0.0020 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	24.9 %	1.6 %	18.5 %	2.9 %	34.1 %	10.5 %	141.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0047 ppm	0.0402 ppm	0.0037 ppm	0.0051 ppm	0.0065 ppm	0.0072 ppm	0.0045 ppm
Concentration per Run 1	0.0059 ppm	0.0392 ppm	0.0067 ppm	0.0050 ppm	0.0064 ppm	0.0070 ppm	0.0043 ppm
Concentration per Run 2	0.0021 ppm	0.0366 ppm	0.0020 ppm	0.0052 ppm	0.0065 ppm	0.0094 ppm	0.0037 ppm
Concentration per Run 3	0.0061 ppm	0.0449 ppm	0.0024 ppm	0.0052 ppm	0.0067 ppm	0.0053 ppm	0.0053 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	47.9 %	10.5 %	71.8 %	2.5 %	2.2 %	28.5 %	18.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0052 ppm	106.5676 %	101.4290 %	102.2887 %	105.2651 %	101.6213 %	102.8206 %
Concentration per Run 1	0.0056 ppm	107.2550 %	103.4545 %	102.3922 %	105.7736 %	102.7496 %	102.9318 %
Concentration per Run 2	0.0050 ppm	106.6427 %	99.6990 %	102.5417 %	104.9514 %	100.1665 %	103.7010 %
Concentration per Run 3	0.0052 ppm	105.8049 %	101.1336 %	101.9323 %	105.0703 %	101.9477 %	101.8291 %
Recovery Percentage 1	104.890 %	0.7 %	1.9 %	0.3 %	0.4 %	1.3 %	0.9 %
Concentration RSD	5.9 %						

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: LLOQ 01 As

Analysis started at: 9/10/2025 5:29:50 PM

Rack 1

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0097 ppm	0.0045 ppm		0.0086 ppm	0.0103 ppm	0.0103 ppm	0.0142 ppm
Concentration per Run 1	0.0093 ppm	0.0011 ppm		0.0086 ppm	0.0111 ppm	0.0104 ppm	0.0172 ppm
Concentration per Run 2	0.0099 ppm	0.0019 ppm		0.0075 ppm	0.0121 ppm	0.0102 ppm	0.0110 ppm
Concentration per Run 3	0.0098 ppm	0.0104 ppm		0.0098 ppm	0.0129 ppm	0.0103 ppm	0.0143 ppm
Recovery Percentage 1	0.000 %	0.000 %		86.321 %	120.475 %	0.000 %	0.000 %
Concentration RSD	3.3 %	116.1 %		13.3 %	7.6 %	0.8 %	22.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0102 ppm	0.0097 ppm	0.0107 ppm	0.0102 ppm	0.0101 ppm	0.1197 ppm	0.0117 ppm
Concentration per Run 1	0.0103 ppm	0.0093 ppm	0.0101 ppm	0.0091 ppm	0.0093 ppm	0.0946 ppm	0.0118 ppm
Concentration per Run 2	0.0102 ppm	0.0089 ppm	0.0117 ppm	0.0114 ppm	0.0101 ppm	0.1356 ppm	0.0129 ppm
Concentration per Run 3	0.0101 ppm	0.0111 ppm	0.0104 ppm	0.0101 ppm	0.0108 ppm	0.1288 ppm	0.0104 ppm
Recovery Percentage 1	0.000 %	97.387 %	107.388 %	102.073 %	0.000 %	0.000 %	117.046 %
Concentration RSD	1.4 %	11.8 %	8.1 %	11.3 %	7.7 %	18.4 %	10.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0173 ppm	0.0106 ppm	0.0093 ppm	0.1813 ppm	0.0110 ppm	0.0132 ppm	0.0031 ppm
Concentration per Run 1	0.0143 ppm	0.0105 ppm	0.0088 ppm	0.1807 ppm	0.0099 ppm	0.0131 ppm	0.0061 ppm
Concentration per Run 2	0.0220 ppm	0.0107 ppm	0.0096 ppm	0.1827 ppm	0.0118 ppm	0.0146 ppm	0.0011 ppm
Concentration per Run 3	0.0155 ppm	0.0107 ppm	0.0096 ppm	0.1804 ppm	0.0114 ppm	0.0120 ppm	0.0022 ppm
Recovery Percentage 1	0.000 %	106.379 %	93.086 %	0.000 %	110.171 %	132.346 %	0.000 %
Concentration RSD	23.9 %	0.7 %	5.1 %	0.7 %	9.3 %	9.8 %	84.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0133 ppm	0.0933 ppm	0.0097 ppm	0.0103 ppm	0.0113 ppm	0.0124 ppm	0.0097 ppm
Concentration per Run 1	0.0140 ppm	0.0930 ppm	0.0104 ppm	0.0104 ppm	0.0110 ppm	0.0159 ppm	0.0087 ppm
Concentration per Run 2	0.0107 ppm	0.0958 ppm	0.0078 ppm	0.0101 ppm	0.0119 ppm	0.0067 ppm	0.0109 ppm
Concentration per Run 3	0.0150 ppm	0.0911 ppm	0.0110 ppm	0.0104 ppm	0.0110 ppm	0.0145 ppm	0.0094 ppm
Recovery Percentage 1	132.719 %	0.000 %	97.196 %	103.212 %	113.398 %	123.574 %	96.914 %
Concentration RSD	17.0 %	2.5 %	17.7 %	1.7 %	4.7 %	39.7 %	11.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0107 ppm	106.6692 %	101.7443 %	102.4300 %	104.4950 %	101.4422 %	102.4023 %
Concentration per Run 1	0.0108 ppm	105.8327 %	101.0988 %	101.7015 %	103.2042 %	101.1373 %	102.3391 %
Concentration per Run 2	0.0106 ppm	107.0331 %	102.7689 %	102.0619 %	105.4602 %	101.6287 %	101.7102 %
Concentration per Run 3	0.0105 ppm	107.1418 %	101.1418 %	103.5264 %	104.8206 %	101.5607 %	103.1577 %
Recovery Percentage 1	106.721 %						
Concentration RSD	1.5 %	0.7 %	0.9 %	0.9 %	1.1 %	0.3 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCV

Sample: 9/10/2025 5:41:38 PM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4915 ppm	0.4902 ppm	0.4952 ppm	0.5026 ppm	0.5048 ppm	0.5175 ppm	0.5077 ppm
Concentration per Run 1	0.4913 ppm	0.4935 ppm	0.4989 ppm	0.5014 ppm	0.5033 ppm	0.5158 ppm	0.5077 ppm
Concentration per Run 2	0.4899 ppm	0.4890 ppm	0.4935 ppm	0.5036 ppm	0.5055 ppm	0.5177 ppm	0.5078 ppm
Concentration per Run 3	0.4934 ppm	0.4880 ppm	0.4931 ppm	0.5029 ppm	0.5056 ppm	0.5191 ppm	0.5075 ppm
Recovery Percentage 1	98.308 %	98.034 %	99.032 %	100.526 %	100.957 %	103.505 %	101.536 %
Concentration RSD	0.4 %	0.6 %	0.7 %	0.2 %	0.3 %	0.3 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5100 ppm	0.5108 ppm	0.5116 ppm	0.5011 ppm	0.5089 ppm	5.2280 ppm	0.5246 ppm
Concentration per Run 1	0.5109 ppm	0.5114 ppm	0.5119 ppm	0.5027 ppm	0.5085 ppm	5.1913 ppm	0.5211 ppm
Concentration per Run 2	0.5072 ppm	0.5086 ppm	0.5092 ppm	0.4973 ppm	0.5079 ppm	5.2600 ppm	0.5276 ppm
Concentration per Run 3	0.5118 ppm	0.5125 ppm	0.5137 ppm	0.5032 ppm	0.5104 ppm	5.2327 ppm	0.5250 ppm
Recovery Percentage 1	101.996 %	102.165 %	102.322 %	100.216 %	101.786 %	104.560 %	104.912 %
Concentration RSD	0.5 %	0.4 %	0.4 %	0.7 %	0.3 %	0.7 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5007 ppm	0.5163 ppm	0.5025 ppm	10.4898 ppm	0.5134 ppm	0.5178 ppm	0.5155 ppm
Concentration per Run 1	0.5002 ppm	0.5159 ppm	0.5027 ppm	10.3950 ppm	0.5169 ppm	0.5203 ppm	0.5083 ppm
Concentration per Run 2	0.4987 ppm	0.5171 ppm	0.4991 ppm	10.4831 ppm	0.5096 ppm	0.5152 ppm	0.5218 ppm
Concentration per Run 3	0.5031 ppm	0.5159 ppm	0.5056 ppm	10.5913 ppm	0.5137 ppm	0.5180 ppm	0.5164 ppm
Recovery Percentage 1	100.132 %	103.261 %	100.497 %	104.898 %	102.682 %	103.570 %	103.098 %
Concentration RSD	0.5 %	0.1 %	0.6 %	0.9 %	0.7 %	0.5 %	1.3 %

	Se 195.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.5003 ppm	5.4237 ppm	0.4999 ppm	0.5033 ppm	0.5039 ppm	0.4999 ppm	0.5105 ppm
Concentration per Run 1	0.5003 ppm	5.4296 ppm	0.4996 ppm	0.5091 ppm	0.5046 ppm	0.4961 ppm	0.5107 ppm
Concentration per Run 2	0.4966 ppm	5.4047 ppm	0.5017 ppm	0.5073 ppm	0.5013 ppm	0.5001 ppm	0.5097 ppm
Concentration per Run 3	0.5040 ppm	5.4367 ppm	0.4986 ppm	0.5114 ppm	0.5059 ppm	0.5036 ppm	0.5119 ppm
Recovery Percentage 1	100.065 %	103.308 %	99.989 %	101.850 %	100.788 %	99.988 %	102.114 %
Concentration RSD	0.7 %	0.3 %	0.3 %	0.4 %	0.5 %	0.8 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5221 ppm	106.0865 %	101.1773 %	101.1171 %	103.5700 %	99.9900 %	100.0580 %
Concentration per Run 1	0.5218 ppm	106.3775 %	101.2642 %	101.0604 %	103.8889 %	100.2071 %	100.3142 %
Concentration per Run 2	0.5204 ppm	106.0313 %	101.9444 %	101.9772 %	103.4886 %	100.7772 %	100.6906 %
Concentration per Run 3	0.5242 ppm	105.8508 %	100.3232 %	100.3136 %	103.3325 %	99.3974 %	99.1693 %
Recovery Percentage 1	104.424 %						
Concentration RSD	0.4 %	0.3 %	0.8 %	0.8 %	0.3 %	0.5 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB

Analysis started at: 9/10/2025 5:45:05 PM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-eUV	As 189.042 Axial-eUV	B 208.959 Axial-eUV	Ba 455.403 Radial-eUV	Be 313.042 Radial-eUV	Ca 315.887 Radial-eUV
Concentration average	0.0001 ppm	-0.0053 ppm	-0.0018 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0017 ppm
Concentration per Run 1	0.0005 ppm	-0.0057 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 2	0.0002 ppm	-0.0076 ppm	-0.0022 ppm	-0.0017 ppm	0.0000 ppm	0.0000 ppm	-0.0033 ppm
Concentration per Run 3	-0.0005 ppm	-0.0026 ppm	-0.0029 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	-0.0016 ppm
Recovery Percentage 1	1.061 %	-5.295 %	-36.732 %	-0.607 %	93.0 %	0.384 %	-1.698 %
Concentration RSD	699.0 %	47.4 %	68.9 %	743.8 %	210.8 %	210.8 %	89.7 %

	Cd 214.438 Axial-eUV	Co 228.616 Radial-eUV	Cr 267.716 Axial-eUV	Cu 324.754 Axial-eUV	Fe 259.940 Radial-eUV	K 766.490 Radial-eUV	Li 670.776 Radial-eUV
Concentration average	-0.0001 ppm	0.0004 ppm	0.0003 ppm	-0.0004 ppm	-0.0006 ppm	0.0057 ppm	0.0011 ppm
Concentration per Run 1	-0.0002 ppm	0.0012 ppm	0.0007 ppm	-0.0005 ppm	-0.0007 ppm	0.0143 ppm	0.0032 ppm
Concentration per Run 2	-0.0002 ppm	-0.0006 ppm	0.0007 ppm	0.0001 ppm	-0.0006 ppm	-0.0083 ppm	-0.0004 ppm
Concentration per Run 3	-0.0001 ppm	0.0006 ppm	-0.0005 ppm	-0.0006 ppm	-0.0006 ppm	0.0111 ppm	0.0006 ppm
Recovery Percentage 1	-2.659 %	1.928 %	3.090 %	-3.518 %	-1.203 %	0.229 %	22.462 %
Concentration RSD	50.0 %	243.3 %	220.1 %	110.7 %	10.3 %	214.3 %	166.0 %

	Mg 279.079 Axial-eUV	Mn 257.610 Radial-eUV	Mo 202.030 Axial-eUV	Na 589.592 Radial-eUV	Ni 231.604 Axial-eUV	Pb 220.353 Axial-eUV	Sb 206.833 Axial-eUV
Concentration average	0.0025 ppm	0.0000 ppm	0.0019 ppm	-0.0346 ppm	0.0004 ppm	0.0002 ppm	0.0021 ppm
Concentration per Run 1	0.0027 ppm	0.0003 ppm	0.0013 ppm	-0.0326 ppm	0.0010 ppm	-0.0037 ppm	0.0040 ppm
Concentration per Run 2	0.0007 ppm	-0.0004 ppm	0.0031 ppm	-0.0363 ppm	0.0006 ppm	0.0016 ppm	0.0005 ppm
Concentration per Run 3	0.0041 ppm	0.0001 ppm	0.0013 ppm	-0.0350 ppm	-0.0005 ppm	0.0027 ppm	0.0020 ppm
Recovery Percentage 1	2.489 %	0.013 %	3.824 %	-1.732 %	1.441 %	1.833 %	4.292 %
Concentration RSD	68.4 %	28.168 %	53.7 %	5.4 %	217.0 %	1.869 %	81.0 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-eUV	Sn 189.989 Axial-eUV	Sr 421.552 Radial-eUV	Ti 334.904 Axial-eUV	Tl 190.856 Axial-eUV	V 292.402 Axial-eUV
Concentration average	0.0025 ppm	-0.0096 ppm	-0.0021 ppm	0.0000 ppm	0.0013 ppm	0.0042 ppm	-0.0008 ppm
Concentration per Run 1	0.0029 ppm	-0.0057 ppm	-0.0023 ppm	0.0000 ppm	0.0018 ppm	0.0017 ppm	-0.0005 ppm
Concentration per Run 2	0.0018 ppm	-0.0106 ppm	-0.0022 ppm	0.0000 ppm	0.0021 ppm	0.0021 ppm	-0.0006 ppm
Concentration per Run 3	0.0028 ppm	-0.0125 ppm	-0.0017 ppm	0.0001 ppm	-0.0001 ppm	0.0086 ppm	-0.0012 ppm
Recovery Percentage 1	25.411 %	-1.921 %	-4.153 %	0.419 %	12.776 %	20.776 %	-7.791 %
Concentration RSD	23.9 %	36.3 %	15.3 %	36.6 %	96.4 %	93.8 %	53.1 %

	Zn 206.200 Axial-eUV	Sc 361.384 Axial-eUV	Sc 361.384 Radial-eUV	Sc 227.318 Axial-eUV	Y 360.073 Axial-eUV	Y 371.030 Radial-eUV	Y 224.306 Axial-eUV
Concentration average	0.0000 ppm	104.6610 %	99.6921 %	100.4461 %	103.4149 %	99.8088 %	101.0031 %
Concentration per Run 1	-0.0001 ppm	104.3185 %	100.1520 %	101.4314 %	103.1747 %	99.9718 %	101.0937 %
Concentration per Run 2	-0.0001 ppm	105.4608 %	99.8644 %	100.0204 %	103.5799 %	99.8698 %	100.9542 %
Concentration per Run 3	0.0001 ppm	104.2038 %	99.0598 %	99.8864 %	103.4902 %	99.5848 %	100.9614 %
Recovery Percentage 1	-0.716 %	0.7 %	0.6 %	0.9 %	0.2 %	0.2 %	0.1 %
Concentration RSD	369.6 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: LLOQ 05 Se
Analysis started at: 9/10/2025 5:51:14 PM
Rack 1
Vial 5
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0481 ppm	0.0477 ppm	0.0482 ppm	0.0491 ppm	0.0509 ppm	0.0513 ppm	0.0551 ppm
Concentration per Run 1	0.0486 ppm	0.0502 ppm	0.0480 ppm	0.0473 ppm	0.0511 ppm	0.0512 ppm	0.0571 ppm
Concentration per Run 2	0.0478 ppm	0.0392 ppm	0.0478 ppm	0.0523 ppm	0.0510 ppm	0.0514 ppm	0.0557 ppm
Concentration per Run 3	0.0479 ppm	0.0537 ppm	0.0489 ppm	0.0477 ppm	0.0505 ppm	0.0512 ppm	0.0525 ppm
Recovery Percentage 1	0.000 %	95.463 %	0.000 %	0.000 %	0.000 %	0.000 %	110.207 %
Concentration RSD	1.0 %	15.9 %	1.2 %	5.6 %	0.7 %	0.2 %	4.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0508 ppm	0.0504 ppm	0.0518 ppm	0.0480 ppm	0.0505 ppm	0.5164 ppm	0.0541 ppm
Concentration per Run 1	0.0510 ppm	0.0510 ppm	0.0524 ppm	0.0468 ppm	0.0487 ppm	0.5106 ppm	0.0531 ppm
Concentration per Run 2	0.0505 ppm	0.0498 ppm	0.0509 ppm	0.0483 ppm	0.0501 ppm	0.5233 ppm	0.0546 ppm
Concentration per Run 3	0.0510 ppm	0.0505 ppm	0.0521 ppm	0.0490 ppm	0.0527 ppm	0.5152 ppm	0.0547 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	101.022 %	20.654 %	0.000 %
Concentration RSD	0.6 %	1.2 %	1.5 %	2.4 %	4.1 %	1.2 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0520 ppm	0.0526 ppm	0.0497 ppm	1.0218 ppm	0.0526 ppm	0.0531 ppm	0.0466 ppm
Concentration per Run 1	0.0499 ppm	0.0526 ppm	0.0506 ppm	1.0223 ppm	0.0525 ppm	0.0519 ppm	0.0482 ppm
Concentration per Run 2	0.0510 ppm	0.0525 ppm	0.0489 ppm	1.0310 ppm	0.0535 ppm	0.0556 ppm	0.0443 ppm
Concentration per Run 3	0.0552 ppm	0.0527 ppm	0.0496 ppm	1.0120 ppm	0.0518 ppm	0.0519 ppm	0.0472 ppm
Recovery Percentage 1	104.043 %	0.000 %	0.000 %	102.177 %	0.000 %	0.000 %	93.136 %
Concentration RSD	5.4 %	0.2 %	1.8 %	0.9 %	1.5 %	4.0 %	4.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0548 ppm	0.5114 ppm	0.0461 ppm	0.0512 ppm	0.0510 ppm	0.0501 ppm	0.0506 ppm
Concentration per Run 1	0.0553 ppm	0.5112 ppm	0.0473 ppm	0.0514 ppm	0.0520 ppm	0.0496 ppm	0.0513 ppm
Concentration per Run 2	0.0520 ppm	0.5117 ppm	0.0428 ppm	0.0515 ppm	0.0498 ppm	0.0497 ppm	0.0501 ppm
Concentration per Run 3	0.0571 ppm	0.5113 ppm	0.0481 ppm	0.0508 ppm	0.0512 ppm	0.0511 ppm	0.0504 ppm
Recovery Percentage 1	0.000 %	102.280 %	92.140 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	4.8 %	0.1 %	6.2 %	0.7 %	2.2 %	1.7 %	1.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0520 ppm	105.8524 %	101.1227 %	102.4774 %	104.1227 %	100.1945 %	102.0389 %
Concentration per Run 1	0.0527 ppm	105.4124 %	100.9925 %	102.4949 %	104.1881 %	100.2479 %	102.2918 %
Concentration per Run 2	0.0516 ppm	107.1488 %	101.2450 %	102.6475 %	105.0312 %	100.6313 %	102.2528 %
Concentration per Run 3	0.0517 ppm	104.9961 %	101.1305 %	102.2897 %	103.1487 %	99.7041 %	101.5721 %
Recovery Percentage 1	103.952 %	1.1 %	0.1 %	0.2 %	0.9 %	0.5 %	0.4 %
Concentration RSD	1.2 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xLLOQ.02

Analysis started at: 9/10/2025 5:58:41 PM

Rack 1

Vial 6

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0233 ppm	0.0101 ppm		0.0226 ppm	0.0248 ppm	0.0250 ppm	0.0276 ppm
Concentration per Run 1	0.0229 ppm	0.0064 ppm	0.0214 ppm	0.0242 ppm	0.0246 ppm	0.0249 ppm	0.0290 ppm
Concentration per Run 2	0.0236 ppm	0.0179 ppm	0.0220 ppm	0.0210 ppm	0.0250 ppm	0.0252 ppm	0.0289 ppm
Concentration per Run 3	0.0233 ppm	0.0060 ppm	0.0231 ppm	0.0227 ppm	0.0250 ppm	0.0250 ppm	0.0248 ppm
Recovery Percentage 1	0.000 %	0.000 %	221.871 %	225.939 %	248.337 %	0.000 %	0.000 %
Concentration RSD	1.6 %	67.1 %	3.8 %	7.1 %	0.9 %	0.7 %	8.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0248 ppm	0.0253 ppm	0.0234 ppm	0.0254 ppm	0.0246 ppm	0.2416 ppm	0.0273 ppm
Concentration per Run 1	0.0249 ppm	0.0240 ppm	0.0241 ppm	0.0240 ppm	0.0240 ppm	0.2432 ppm	0.0260 ppm
Concentration per Run 2	0.0252 ppm	0.0266 ppm	0.0261 ppm	0.0244 ppm	0.0252 ppm	0.2598 ppm	0.0274 ppm
Concentration per Run 3	0.0244 ppm	0.0253 ppm	0.0227 ppm	0.0227 ppm	0.0247 ppm	0.2217 ppm	0.0285 ppm
Recovery Percentage 1	0.000 %	253.181 %	0.000 %	234.269 %	0.000 %	0.000 %	273.073 %
Concentration RSD	1.5 %	5.2 %		3.9 %	2.5 %	7.9 %	4.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0300 ppm	0.0255 ppm		0.4907 ppm	0.0247 ppm	0.0239 ppm	0.0226 ppm
Concentration per Run 1	0.0280 ppm	0.0256 ppm	0.0229 ppm	0.4843 ppm	0.0269 ppm	0.0221 ppm	0.0197 ppm
Concentration per Run 2	0.0326 ppm	0.0254 ppm	0.0254 ppm	0.4917 ppm	0.0232 ppm	0.0238 ppm	0.0253 ppm
Concentration per Run 3	0.0293 ppm	0.0255 ppm	0.0232 ppm	0.4960 ppm	0.0239 ppm	0.0257 ppm	0.0230 ppm
Recovery Percentage 1	0.000 %	255.002 %	238.312 %	0.000 %	246.656 %	238.531 %	0.000 %
Concentration RSD	8.0 %	0.4 %		1.2 %	7.9 %	7.6 %	12.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0269 ppm	0.2457 ppm		0.0227 ppm	0.0251 ppm	0.0262 ppm	0.0247 ppm
Concentration per Run 1	0.0250 ppm	0.2377 ppm	0.0237 ppm	0.0249 ppm	0.0257 ppm	0.0192 ppm	0.0252 ppm
Concentration per Run 2	0.0287 ppm	0.2479 ppm	0.0227 ppm	0.0253 ppm	0.0272 ppm	0.0318 ppm	0.0254 ppm
Concentration per Run 3	0.0271 ppm	0.2516 ppm	0.0218 ppm	0.0252 ppm	0.0258 ppm	0.0262 ppm	0.0236 ppm
Recovery Percentage 1	269.459 %	0.000 %	227.238 %	251.204 %	262.273 %	257.171 %	247.285 %
Concentration RSD	6.9 %	2.9 %		4.3 %	1.0 %	3.2 %	4.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0260 ppm	107.1350 %	100.2610 %	103.7217 %	105.0733 %	99.8133 %	103.0495 %
Concentration per Run 1	0.0263 ppm	106.8097 %	100.5293 %	104.2014 %	104.2989 %	100.1790 %	103.1438 %
Concentration per Run 2	0.0254 ppm	107.8715 %	100.9891 %	105.6999 %	105.5963 %	100.5732 %	103.6966 %
Concentration per Run 3	0.0262 ppm	106.7238 %	99.2648 %	103.2638 %	105.3246 %	98.6876 %	102.3082 %
Recovery Percentage 1	259.689 %						
Concentration RSD	1.8 %	0.6 %	0.9 %	0.5 %	0.7 %	1.0 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21130116_09102025T9.imexp

Sample: WG2113011-1 WG2113011

Analysis started at: 9/10/2025 6:20:25 PM

Rack 1

Vial 7

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0011 ppm	-0.0012 ppm	-0.0016 ppm	0.0021 ppm	0.0003 ppm	0.0000 ppm	0.0254 ppm
Concentration per Run 1	-0.0003 ppm	-0.0022 ppm	0.0000 ppm	0.0034 ppm	0.0003 ppm	0.0000 ppm	0.0240 ppm
Concentration per Run 2	-0.0021 ppm	-0.0151 ppm	0.0007 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0280 ppm
Concentration per Run 3	-0.0008 ppm	0.0136 ppm	-0.0055 ppm	0.0028 ppm	0.0002 ppm	-0.0001 ppm	0.0241 ppm
Recovery Percentage 1	-15.318 %	-1.239 %	-31.528 %	6.902 %	3.177 %	-1.034 %	25.381 %
Concentration RSD	85.9 %	1.1614 %	216.5 %	87.0 %	29.6 %	31.0 %	9.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0006 ppm	0.0005 ppm	0.0001 ppm	0.0025 ppm	0.0081 ppm	0.0017 ppm
Concentration per Run 1	-0.0002 ppm	-0.0005 ppm	0.0007 ppm	-0.0005 ppm	0.0038 ppm	0.0024 ppm	0.0016 ppm
Concentration per Run 2	-0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0017 ppm	-0.0117 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	-0.0014 ppm	0.0008 ppm	0.0005 ppm	0.0018 ppm	0.0335 ppm	0.0028 ppm
Recovery Percentage 1	-3.044 %	-3.198 %	5.494 %	0.820 %	4.919 %	0.323 %	34.723 %
Concentration RSD	33.0 %	109.2 %	60.9 %	600.7 %	47.9 %	285.6 %	58.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0087 ppm	0.0002 ppm	0.0000 ppm	141.6322 ppm	-0.0002 ppm	0.0012 ppm	-0.0012 ppm
Concentration per Run 1	0.0098 ppm	0.0003 ppm	0.0015 ppm	142.2247 ppm	-0.0013 ppm	0.0023 ppm	-0.0044 ppm
Concentration per Run 2	0.0082 ppm	0.0002 ppm	-0.0006 ppm	141.0106 ppm	0.0003 ppm	0.0003 ppm	-0.0004 ppm
Concentration per Run 3	0.0081 ppm	0.0001 ppm	-0.0009 ppm	141.6614 ppm	0.0004 ppm	0.0009 ppm	0.0012 ppm
Recovery Percentage 1	8.661 %	2.012 %	0.008 %	7.081.612 %	-0.642 %	11.851 %	-2.393 %
Concentration RSD	10.9 %	33.1 %	31,420.1 %	0.4 %	597.7 %	87.9 %	238.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0017 ppm	0.0367 ppm	-0.0019 ppm	0.0000 ppm	0.0009 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run 1	0.0061 ppm	0.0416 ppm	-0.0001 ppm	0.0000 ppm	0.0016 ppm	-0.0029 ppm	0.0000 ppm
Concentration per Run 2	-0.0016 ppm	0.0367 ppm	-0.0045 ppm	0.0000 ppm	0.0009 ppm	0.0053 ppm	-0.0010 ppm
Concentration per Run 3	0.0006 ppm	0.0316 ppm	-0.0011 ppm	0.0000 ppm	0.0001 ppm	-0.0033 ppm	0.0003 ppm
Recovery Percentage 1	16.660 %	7.330 %	-3.760 %	0.071 %	8.627 %	-1.538 %	-2.220 %
Concentration RSD	238.6 %	13.6 %	124.0 %	408.1 %	85.1 %	1,589.3 %	306.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0019 ppm	104.9358 %	98.0895 %	100.6868 %	102.0337 %	96.5716 %	99.5894 %
Concentration per Run 1	-0.0023 ppm	105.2389 %	97.8147 %	100.4384 %	102.0744 %	96.5572 %	99.1765 %
Concentration per Run 2	-0.0014 ppm	103.9958 %	97.8711 %	99.9267 %	101.3003 %	96.4549 %	99.2968 %
Concentration per Run 3	-0.0021 ppm	105.5728 %	98.5226 %	101.6951 %	102.7264 %	96.7028 %	100.2950 %
Recovery Percentage 1	-38.431 %	0.8 %	0.4 %	0.9 %	0.7 %	0.1 %	0.6 %
Concentration RSD	25.5 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2113011-2 WG2113011

Analysis started at: 9/10/2025 6:23:52 PM

Rack 1

Vial 8

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0484 ppm	2.0032 ppm	0.1134 ppm	0.9774 ppm	1.9569 ppm	0.0498 ppm	10.0803 ppm
Concentration per Run 1	0.0482 ppm	1.9996 ppm	0.1132 ppm	0.9788 ppm	1.9543 ppm	0.0499 ppm	10.0703 ppm
Concentration per Run 2	0.0488 ppm	2.0141 ppm	0.1149 ppm	0.9779 ppm	1.9637 ppm	0.0498 ppm	10.1502 ppm
Concentration per Run 3	0.0483 ppm	1.9958 ppm	0.1122 ppm	0.9754 ppm	1.9527 ppm	0.0498 ppm	10.0205 ppm
Concentration RSD	0.7 %	0.5 %	1.2 %	0.2 %	0.3 %	0.1 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0526 ppm	0.4860 ppm	0.1969 ppm	0.2440 ppm	0.9942 ppm	10.0637 ppm	0.0000 ppm
Concentration per Run 1	0.0531 ppm	0.4869 ppm	0.1968 ppm	0.2451 ppm	0.9989 ppm	10.0513 ppm	0.0006 ppm
Concentration per Run 2	0.0524 ppm	0.4822 ppm	0.1984 ppm	0.2428 ppm	0.9950 ppm	10.1346 ppm	-0.0001 ppm
Concentration per Run 3	0.0522 ppm	0.4890 ppm	0.1955 ppm	0.2440 ppm	0.9886 ppm	10.0053 ppm	-0.0006 ppm
Concentration RSD	0.9 %	0.7 %	0.7 %	0.5 %	0.5 %	0.7 %	1.257.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.6698 ppm	0.5006 ppm	0.9831 ppm	10.1004 ppm	0.4919 ppm	0.5170 ppm	0.4956 ppm
Concentration per Run 1	9.7021 ppm	0.5000 ppm	0.9869 ppm	10.0598 ppm	0.4917 ppm	0.5177 ppm	0.5007 ppm
Concentration per Run 2	9.6797 ppm	0.5033 ppm	0.9802 ppm	10.1859 ppm	0.4927 ppm	0.5200 ppm	0.4860 ppm
Concentration per Run 3	9.6277 ppm	0.4986 ppm	0.9820 ppm	10.0556 ppm	0.4914 ppm	0.5131 ppm	0.5001 ppm
Concentration RSD	0.4 %	0.5 %	0.4 %	0.7 %	0.1 %	0.7 %	1.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1175 ppm	0.6798 ppm	0.9623 ppm	0.9624 ppm	0.9798 ppm	0.1093 ppm	0.5037 ppm
Concentration per Run 1	0.1156 ppm	0.6787 ppm	0.9678 ppm	0.9614 ppm	0.9827 ppm	0.1113 ppm	0.5052 ppm
Concentration per Run 2	0.1207 ppm	0.6828 ppm	0.9582 ppm	0.9665 ppm	0.9816 ppm	0.1092 ppm	0.5042 ppm
Concentration per Run 3	0.1163 ppm	0.6780 ppm	0.9608 ppm	0.9594 ppm	0.9751 ppm	0.1075 ppm	0.5018 ppm
Concentration RSD	2.4 %	0.4 %	0.5 %	0.4 %	0.4 %	1.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5048 ppm	104.4165 %	98.8011 %	100.5704 %	102.1504 %	97.5786 %	99.9610 %
Concentration per Run 1	0.5076 ppm	103.7817 %	98.2527 %	101.0249 %	101.4238 %	96.7737 %	100.1301 %
Concentration per Run 2	0.5087 ppm	105.1194 %	98.2892 %	100.4620 %	102.6913 %	97.4180 %	99.9350 %
Concentration per Run 3	0.5003 ppm	104.3484 %	99.8613 %	100.2244 %	102.3362 %	98.5441 %	99.8179 %
Concentration RSD	0.8 %	0.6 %	0.9 %	0.4 %	0.6 %	0.9 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556247-01 WG2113011

Analysis started at: 9/10/2025 6:27:07 PM

Rack 1

Vial 9

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0694 ppm	-0.0025 ppm	0.0078 ppm	0.0371 ppm	0.0000 ppm	1.4424 ppm
Concentration per Run 1	0.0000 ppm	0.0702 ppm	-0.0016 ppm	0.0061 ppm	0.0372 ppm	-0.0001 ppm	1.4418 ppm
Concentration per Run 2	-0.0001 ppm	0.0646 ppm	-0.0032 ppm	0.0087 ppm	0.0371 ppm	0.0000 ppm	1.4441 ppm
Concentration per Run 3	0.0008 ppm	0.0734 ppm	-0.0026 ppm	0.0085 ppm	0.0369 ppm	0.0000 ppm	1.4412 ppm
Concentration RSD	237.3 %	6.4 %	32.5 %	18.2 %	0.5 %	32.9 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.0008 ppm	0.0013 ppm	0.0517 ppm	0.0666 ppm	0.2286 ppm	-0.0001 ppm
Concentration per Run 1	0.0011 ppm	0.0006 ppm	0.0014 ppm	0.0506 ppm	0.0675 ppm	0.2149 ppm	0.0002 ppm
Concentration per Run 2	0.0011 ppm	0.0007 ppm	0.0016 ppm	0.0529 ppm	0.0668 ppm	0.2257 ppm	0.0008 ppm
Concentration per Run 3	0.0009 ppm	0.0010 ppm	0.0010 ppm	0.0515 ppm	0.0654 ppm	0.2453 ppm	-0.0011 ppm
Concentration RSD	9.8 %	23.0 %	22.6 %	2.2 %	1.6 %	6.7 %	1,025.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1807 ppm	0.0307 ppm	0.0038 ppm	137.7826 ppm	0.0028 ppm	0.5293 ppm	0.0040 ppm
Concentration per Run 1	0.1849 ppm	0.0312 ppm	0.0036 ppm	137.3839 ppm	0.0017 ppm	0.5277 ppm	0.0114 ppm
Concentration per Run 2	0.1750 ppm	0.0307 ppm	0.0048 ppm	137.7816 ppm	0.0024 ppm	0.5314 ppm	-0.0020 ppm
Concentration per Run 3	0.1823 ppm	0.0301 ppm	0.0030 ppm	138.1822 ppm	0.0043 ppm	0.5287 ppm	0.0026 ppm
Concentration RSD	2.8 %	1.8 %	24.7 %	0.3 %	49.5 %	0.4 %	170.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0045 ppm	0.1871 ppm	-0.0006 ppm	0.0074 ppm	0.0025 ppm	-0.0026 ppm	-0.0005 ppm
Concentration per Run 1	0.0058 ppm	0.1882 ppm	0.0005 ppm	0.0074 ppm	0.0028 ppm	0.0005 ppm	-0.0009 ppm
Concentration per Run 2	0.0064 ppm	0.1875 ppm	0.0000 ppm	0.0073 ppm	0.0029 ppm	-0.0033 ppm	-0.0002 ppm
Concentration per Run 3	0.0012 ppm	0.1857 ppm	-0.0024 ppm	0.0073 ppm	0.0018 ppm	-0.0051 ppm	-0.0005 ppm
Concentration RSD	64.4 %	0.7 %	254.8 %	0.7 %	24.0 %	108.0 %	67.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.2487 ppm	106.6425 %	98.4661 %	102.4045 %	104.4775 %	96.5977 %	101.1822 %
Concentration per Run 1	1.2570 ppm	105.4493 %	98.2258 %	102.5157 %	103.7223 %	96.4437 %	101.7664 %
Concentration per Run 2	1.2447 ppm	106.7617 %	98.1261 %	102.0974 %	104.3692 %	96.4446 %	101.0359 %
Concentration per Run 3	1.2446 ppm	107.7166 %	99.0464 %	102.6005 %	105.3409 %	96.9048 %	100.7442 %
Concentration RSD	0.6 %	1.1 %	0.5 %	0.3 %	0.8 %	0.3 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113011-3.WG2113011

Analysis started at: 9/10/2025 6:30:21 PM

Rack 1

Vial 10

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0483 ppm	2.0624 ppm	0.1121 ppm	0.9552 ppm	1.9726 ppm	0.0499 ppm	11.2998 ppm
Concentration per Run 1	0.0483 ppm	2.0695 ppm	0.1098 ppm	0.9373 ppm	1.9735 ppm	0.0500 ppm	11.2318 ppm
Concentration per Run 2	0.0477 ppm	2.0461 ppm	0.1110 ppm	0.9679 ppm	1.9595 ppm	0.0496 ppm	11.3262 ppm
Concentration per Run 3	0.0489 ppm	2.0714 ppm	0.1155 ppm	0.9603 ppm	1.9847 ppm	0.0500 ppm	11.3415 ppm
Concentration RSD	1.2 %	0.7 %	2.7 %	1.7 %	0.6 %	0.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0523 ppm	0.4828 ppm	0.1937 ppm	0.3023 ppm	1.0387 ppm	10.1110 ppm	0.0007 ppm
Concentration per Run 1	0.0522 ppm	0.4772 ppm	0.1916 ppm	0.3025 ppm	1.0396 ppm	10.1073 ppm	-0.0011 ppm
Concentration per Run 2	0.0528 ppm	0.4885 ppm	0.1963 ppm	0.3031 ppm	1.0330 ppm	10.0608 ppm	0.0016 ppm
Concentration per Run 3	0.0519 ppm	0.4827 ppm	0.1932 ppm	0.3013 ppm	1.0436 ppm	10.1650 ppm	0.0017 ppm
Concentration RSD	0.9 %	1.2 %	1.2 %	0.3 %	0.5 %	0.5 %	212.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.5736 ppm	0.5167 ppm	0.9643 ppm	145.1657 ppm	0.4823 ppm	1.0284 ppm	0.4848 ppm
Concentration per Run 1	9.5184 ppm	0.5160 ppm	0.9517 ppm	144.0174 ppm	0.4746 ppm	1.0314 ppm	0.4792 ppm
Concentration per Run 2	9.6379 ppm	0.5162 ppm	0.9770 ppm	145.0655 ppm	0.4911 ppm	1.0287 ppm	0.4961 ppm
Concentration per Run 3	9.5644 ppm	0.5179 ppm	0.9641 ppm	146.4142 ppm	0.4812 ppm	1.0251 ppm	0.4790 ppm
Concentration RSD	0.6 %	0.2 %	1.3 %	0.8 %	1.7 %	0.3 %	2.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1180 ppm	0.8347 ppm	0.9416 ppm	0.9570 ppm	0.9631 ppm	0.1135 ppm	0.4972 ppm
Concentration per Run 1	0.1199 ppm	0.8289 ppm	0.9286 ppm	0.9622 ppm	0.9564 ppm	0.1101 ppm	0.4948 ppm
Concentration per Run 2	0.1210 ppm	0.8338 ppm	0.9541 ppm	0.9506 ppm	0.9708 ppm	0.1220 ppm	0.5021 ppm
Concentration per Run 3	0.1132 ppm	0.8416 ppm	0.9421 ppm	0.9581 ppm	0.9621 ppm	0.1084 ppm	0.4946 ppm
Concentration RSD	3.6 %	0.8 %	1.4 %	0.6 %	0.8 %	6.5 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.7212 ppm	106.6153 %	98.9290 %	102.3201 %	104.3742 %	97.2447 %	101.0457 %
Concentration per Run 1	1.6975 ppm	108.9543 %	98.7333 %	102.4255 %	105.7062 %	96.7833 %	101.1645 %
Concentration per Run 2	1.7459 ppm	105.1666 %	99.3152 %	102.1960 %	103.7575 %	97.4083 %	101.0901 %
Concentration per Run 3	1.7204 ppm	105.7250 %	98.7384 %	102.3388 %	103.6589 %	97.5425 %	100.8826 %
Concentration RSD	1.4 %	1.9 %	0.3 %	0.1 %	1.1 %	0.4 %	0.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113011-4.WG2113011

Analysis started at: 9/10/2025 6:33:36 PM

Rack 1

Vial 11

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	0.0752 ppm	-0.0010 ppm	0.0095 ppm	0.0360 ppm	0.0000 ppm	1.4000 ppm
Concentration per Run 1	0.0018 ppm	0.0760 ppm	-0.0018 ppm	0.0085 ppm	0.0360 ppm	0.0000 ppm	1.3988 ppm
Concentration per Run 2	0.0000 ppm	0.0828 ppm	-0.0038 ppm	0.0110 ppm	0.0360 ppm	0.0000 ppm	1.4008 ppm
Concentration per Run 3	-0.0002 ppm	0.0668 ppm	0.0027 ppm	0.0089 ppm	0.0361 ppm	0.0000 ppm	1.4003 ppm
Concentration RSD	207.1 %	10.7 %	350.6 %	14.1 %	0.2 %	1.519.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0011 ppm	0.0012 ppm	0.0014 ppm	0.0496 ppm	0.0671 ppm	0.2269 ppm	0.0009 ppm
Concentration per Run 1	0.0012 ppm	0.0009 ppm	0.0030 ppm	0.0484 ppm	0.0661 ppm	0.2329 ppm	0.0005 ppm
Concentration per Run 2	0.0008 ppm	0.0027 ppm	0.0000 ppm	0.0495 ppm	0.0680 ppm	0.2376 ppm	0.0008 ppm
Concentration per Run 3	0.0013 ppm	-0.0002 ppm	0.0010 ppm	0.0508 ppm	0.0671 ppm	0.2103 ppm	0.0013 ppm
Concentration RSD	24.9 %	130.0 %	111.7 %	2.4 %	1.4 %	6.4 %	45.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1777 ppm	0.0301 ppm	0.0028 ppm	133.9261 ppm	0.0027 ppm	0.5138 ppm	-0.0028 ppm
Concentration per Run 1	0.1773 ppm	0.0299 ppm	0.0031 ppm	133.7722 ppm	0.0030 ppm	0.5190 ppm	-0.0040 ppm
Concentration per Run 2	0.1772 ppm	0.0306 ppm	0.0032 ppm	133.7762 ppm	0.0025 ppm	0.5129 ppm	-0.0072 ppm
Concentration per Run 3	0.1787 ppm	0.0299 ppm	0.0020 ppm	134.2299 ppm	0.0026 ppm	0.5096 ppm	0.0029 ppm
Concentration RSD	0.5 %	1.4 %	25.5 %	0.2 %	9.8 %	0.9 %	187.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0049 ppm	0.1809 ppm	0.0004 ppm	0.0071 ppm	0.0025 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 1	0.0075 ppm	0.1802 ppm	0.0033 ppm	0.0071 ppm	0.0018 ppm	0.0005 ppm	0.0008 ppm
Concentration per Run 2	0.0033 ppm	0.1776 ppm	-0.0005 ppm	0.0072 ppm	0.0026 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run 3	0.0039 ppm	0.1850 ppm	-0.0016 ppm	0.0070 ppm	0.0032 ppm	-0.0015 ppm	0.0002 ppm
Concentration RSD	46.1 %	2.1 %	684.6 %	1.5 %	27.6 %	186.5 %	151.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.2120 ppm	106.9646 %	98.7977 %	102.9777 %	105.2596 %	97.3679 %	101.8411 %
Concentration per Run 1	1.2111 ppm	106.8621 %	99.1788 %	102.6484 %	105.0202 %	97.5926 %	101.7209 %
Concentration per Run 2	1.2201 ppm	107.3282 %	98.4528 %	103.5780 %	105.3596 %	97.2405 %	102.3208 %
Concentration per Run 3	1.2047 ppm	106.7036 %	98.7616 %	102.7065 %	105.3988 %	97.2706 %	101.4815 %
Concentration RSD	0.6 %	0.3 %	0.4 %	0.5 %	0.2 %	0.2 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556247-04 WG2113011

Analysis started at: 9/10/2025 6:36:51 PM

Rack 1

Vial 12

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	0.1032 ppm	-0.0006 ppm	0.0065 ppm	0.1047 ppm	0.0000 ppm	1.3920 ppm
Concentration per Run 1	0.0004 ppm	0.1013 ppm	-0.0004 ppm	0.0074 ppm	0.1043 ppm	-0.0001 ppm	1.3882 ppm
Concentration per Run 2	-0.0001 ppm	0.1051 ppm	-0.0018 ppm	0.0050 ppm	0.1051 ppm	0.0000 ppm	1.4013 ppm
Concentration per Run 3	0.0013 ppm	0.1032 ppm	0.0002 ppm	0.0070 ppm	0.1047 ppm	0.0000 ppm	1.3865 ppm
Concentration RSD	136.9 %	1.8 %	159.8 %	19.3 %	0.4 %	284.8 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0020 ppm	-0.0002 ppm	0.0009 ppm	0.0790 ppm	0.0398 ppm	0.1766 ppm	0.0005 ppm
Concentration per Run 1	0.0019 ppm	0.0000 ppm	-0.0002 ppm	0.0785 ppm	0.0397 ppm	0.1650 ppm	0.0008 ppm
Concentration per Run 2	0.0022 ppm	-0.0006 ppm	0.0013 ppm	0.0802 ppm	0.0398 ppm	0.1750 ppm	0.0007 ppm
Concentration per Run 3	0.0020 ppm	-0.0001 ppm	0.0014 ppm	0.0784 ppm	0.0398 ppm	0.1899 ppm	0.0000 ppm
Concentration RSD	7.4 %	133.0 %	102.9 %	1.3 %	0.2 %	7.1 %	83.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2152 ppm	0.0330 ppm	0.0010 ppm	136.2187 ppm	0.0046 ppm	0.4499 ppm	0.0053 ppm
Concentration per Run 1	0.2132 ppm	0.0328 ppm	0.0021 ppm	135.4997 ppm	0.0053 ppm	0.4495 ppm	0.0041 ppm
Concentration per Run 2	0.2148 ppm	0.0333 ppm	0.0012 ppm	136.4204 ppm	0.0046 ppm	0.4480 ppm	0.0075 ppm
Concentration per Run 3	0.2175 ppm	0.0328 ppm	-0.0004 ppm	136.7359 ppm	0.0039 ppm	0.4522 ppm	0.0042 ppm
Concentration RSD	1.0 %	0.9 %	129.6 %	0.5 %	15.3 %	0.5 %	37.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0050 ppm	0.1883 ppm	-0.0023 ppm	0.0078 ppm	0.0025 ppm	-0.0011 ppm	-0.0002 ppm
Concentration per Run 1	0.0078 ppm	0.1875 ppm	-0.0048 ppm	0.0078 ppm	0.0024 ppm	0.0016 ppm	-0.0003 ppm
Concentration per Run 2	0.0019 ppm	0.1885 ppm	-0.0021 ppm	0.0079 ppm	0.0026 ppm	-0.0033 ppm	0.0004 ppm
Concentration per Run 3	0.0055 ppm	0.1890 ppm	0.0000 ppm	0.0078 ppm	0.0026 ppm	-0.0018 ppm	-0.0007 ppm
Concentration RSD	58.9 %	0.4 %	104.3 %	0.7 %	4.8 %	219.7 %	254.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.3365 ppm	108.0630 %	99.7760 %	102.8849 %	105.3200 %	98.4318 %	102.7813 %
Concentration per Run 1	1.3467 ppm	106.8487 %	99.7425 %	103.4011 %	104.0000 %	98.1605 %	103.2771 %
Concentration per Run 2	1.3472 ppm	109.2763 %	99.3882 %	102.1745 %	107.1412 %	98.2431 %	102.0856 %
Concentration per Run 3	1.3155 ppm	108.0640 %	100.1973 %	103.0792 %	104.8187 %	98.8919 %	102.9814 %
Concentration RSD	1.4 %	1.1 %	0.4 %	0.6 %	1.5 %	0.4 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xautosampler error

Analysis started at: 9/10/2025 6:40:07 PM

Rack 1

Vial 13

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.0878 ppm	-0.0015 ppm	0.0045 ppm	0.0030 ppm	-0.0001 ppm	0.3298 ppm
Concentration per Run 1	-0.0011 ppm	0.0844 ppm	-0.0010 ppm	0.0029 ppm	0.0029 ppm	-0.0001 ppm	0.3276 ppm
Concentration per Run 2	-0.0004 ppm	0.0883 ppm	-0.0005 ppm	0.0049 ppm	0.0031 ppm	-0.0001 ppm	0.3272 ppm
Concentration per Run 3	-0.0002 ppm	0.0907 ppm	-0.0030 ppm	0.0057 ppm	0.0030 ppm	-0.0001 ppm	0.3344 ppm
Concentration RSD	84.2 %	3.6 %	88.0 %	32.4 %	2.1 %	10.1 %	1.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0009 ppm	0.0005 ppm	0.0005 ppm	0.0231 ppm	0.0807 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	-0.0021 ppm	0.0014 ppm	0.0004 ppm	0.0231 ppm	0.0951 ppm	0.0005 ppm
Concentration per Run 2	-0.0005 ppm	-0.0002 ppm	-0.0007 ppm	0.0003 ppm	0.0233 ppm	0.0750 ppm	0.0020 ppm
Concentration per Run 3	-0.0002 ppm	-0.0003 ppm	0.0008 ppm	0.0007 ppm	0.0227 ppm	0.0720 ppm	0.0001 ppm
Concentration RSD	104.8 %	124.0 %	217.0 %	43.9 %	1.4 %	15.6 %	116.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0467 ppm	0.0036 ppm	-0.0002 ppm	136.0678 ppm	-0.0001 ppm	0.0020 ppm	0.0024 ppm
Concentration per Run 1	0.0454 ppm	0.0033 ppm	-0.0009 ppm	135.5294 ppm	-0.0005 ppm	0.0046 ppm	-0.0026 ppm
Concentration per Run 2	0.0491 ppm	0.0037 ppm	0.0018 ppm	135.7385 ppm	0.0017 ppm	0.0013 ppm	0.0083 ppm
Concentration per Run 3	0.0458 ppm	0.0037 ppm	-0.0015 ppm	136.9376 ppm	-0.0016 ppm	0.0000 ppm	0.0016 ppm
Concentration RSD	4.3 %	6.6 %	768.2 %	0.6 %	1,425.1 %	120.5 %	226.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0059 ppm	0.1009 ppm	-0.0009 ppm	0.0013 ppm	0.0016 ppm	0.0002 ppm	-0.0004 ppm
Concentration per Run 1	0.0060 ppm	0.1010 ppm	0.0013 ppm	0.0014 ppm	0.0028 ppm	0.0002 ppm	-0.0006 ppm
Concentration per Run 2	0.0029 ppm	0.1009 ppm	-0.0012 ppm	0.0012 ppm	0.0016 ppm	0.0006 ppm	-0.0003 ppm
Concentration per Run 3	0.0087 ppm	0.1007 ppm	-0.0026 ppm	0.0013 ppm	0.0017 ppm	-0.0028 ppm	-0.0001 ppm
Concentration RSD	49.0 %	0.1 %	227.4 %	4.7 %	3.8 %	1,273.9 %	65.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	108.3277 %	99.2782 %	103.6438 %	105.9379 %	98.2746 %	102.6751 %
Concentration per Run 1	0.0007 ppm	108.8010 %	100.3031 %	103.8051 %	105.8005 %	98.9202 %	102.6697 %
Concentration per Run 2	0.0007 ppm	107.4442 %	98.4238 %	103.9872 %	105.0566 %	97.6046 %	103.1637 %
Concentration per Run 3	0.0005 ppm	108.7379 %	99.1077 %	103.1391 %	106.9567 %	98.2989 %	102.1919 %
Concentration RSD	21.7 %	0.7 %	1.0 %	0.4 %	0.9 %	0.7 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCV

Sample: 9/10/2025 6:43:19 PM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4905 ppm	0.4874 ppm		0.4939 ppm	0.5023 ppm	0.5144 ppm	0.5106 ppm
Concentration per Run 1	0.4930 ppm	0.4860 ppm		0.5009 ppm	0.5136 ppm	0.5170 ppm	0.5120 ppm
Concentration per Run 2	0.4884 ppm	0.4908 ppm		0.4943 ppm	0.5038 ppm	0.5138 ppm	0.5138 ppm
Concentration per Run 3	0.4901 ppm	0.4855 ppm		0.5029 ppm	0.5027 ppm	0.5127 ppm	0.5060 ppm
Recovery Percentage 1	98.102 %	97.484 %	98.772 %	99.869 %	100.452 %	102.883 %	102.115 %
Concentration RSD	0.5 %	0.6 %	1.1 %	0.9 %	0.4 %	0.4 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5087 ppm	0.5109 ppm	0.5105 ppm	0.4990 ppm	0.5077 ppm	5.2154 ppm	0.5232 ppm
Concentration per Run 1	0.5113 ppm	0.5142 ppm	0.5132 ppm	0.5000 ppm	0.5061 ppm	5.2131 ppm	0.5223 ppm
Concentration per Run 2	0.5048 ppm	0.5073 ppm	0.5061 ppm	0.4973 ppm	0.5086 ppm	5.2212 ppm	0.5219 ppm
Concentration per Run 3	0.5101 ppm	0.5114 ppm	0.5121 ppm	0.4996 ppm	0.5083 ppm	5.2119 ppm	0.5249 ppm
Recovery Percentage 1	101.739 %	102.188 %	102.093 %	99.791 %	101.535 %	104.308 %	104.644 %
Concentration RSD	0.7 %	0.7 %	0.7 %	0.3 %	0.3 %	0.1 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5012 ppm	0.5190 ppm	0.5023 ppm	10.4511 ppm	0.5073 ppm	0.5120 ppm	0.5132 ppm
Concentration per Run 1	0.5027 ppm	0.5191 ppm	0.5029 ppm	10.4104 ppm	0.5114 ppm	0.5099 ppm	0.5172 ppm
Concentration per Run 2	0.5009 ppm	0.5187 ppm	0.4975 ppm	10.4524 ppm	0.5003 ppm	0.5117 ppm	0.5122 ppm
Concentration per Run 3	0.4998 ppm	0.5191 ppm	0.5065 ppm	10.4907 ppm	0.5103 ppm	0.5143 ppm	0.5102 ppm
Recovery Percentage 1	100.231 %	103.794 %	100.462 %	104.511 %	101.469 %	102.391 %	102.644 %
Concentration RSD	0.3 %	0.0 %	0.9 %	0.4 %	1.2 %	0.4 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4946 ppm	5.3619 ppm	0.4955 ppm	0.5072 ppm	0.5053 ppm	0.5000 ppm	0.5120 ppm
Concentration per Run 1	0.4874 ppm	5.3829 ppm	0.4972 ppm	0.5054 ppm	0.5079 ppm	0.4959 ppm	0.5135 ppm
Concentration per Run 2	0.4943 ppm	5.3241 ppm	0.4965 ppm	0.5086 ppm	0.5028 ppm	0.4992 ppm	0.5078 ppm
Concentration per Run 3	0.5021 ppm	5.3787 ppm	0.4926 ppm	0.5075 ppm	0.5052 ppm	0.5049 ppm	0.5146 ppm
Recovery Percentage 1	98.918 %	102.131 %	99.093 %	101.435 %	101.063 %	100.001 %	102.397 %
Concentration RSD	1.5 %	0.6 %	0.5 %	0.3 %	0.5 %	0.9 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5168 ppm	105.9980 %	100.4015 %	101.5185 %	103.2295 %	99.4450 %	100.6866 %
Concentration per Run 1	0.5192 ppm	104.9287 %	99.3858 %	102.6088 %	101.9872 %	98.3855 %	101.4055 %
Concentration per Run 2	0.5106 ppm	107.0734 %	100.7971 %	100.9385 %	104.4235 %	99.8830 %	100.3488 %
Concentration per Run 3	0.5205 ppm	105.9919 %	101.0217 %	101.0081 %	103.2777 %	100.0666 %	100.3056 %
Recovery Percentage 1	103.352 %						
Concentration RSD	1.0 %	1.0 %	0.9 %	0.9 %	1.2 %	0.9 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB

Analysis started at: 9/10/2025 6:46:33 PM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-eUV	As 189.042 Axial-eUV	B 208.959 Axial-eUV	Ba 455.403 Radial-eUV	Be 313.042 Radial-eUV	Ca 315.887 Radial-eUV
Concentration average	-0.0003 ppm	-0.0102 ppm	-0.0102 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 1	0.0004 ppm	-0.0144 ppm	-0.0002 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 2	0.0001 ppm	-0.0058 ppm	-0.0016 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 3	-0.0014 ppm	-0.0103 ppm	-0.0033 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	-0.0031 ppm
Recovery Percentage 1	-4.457 %	-10.171 %	-33.802 %	0.299 %	-0.457 %	0.312 %	-0.055 %
Concentration RSD	312.9 %	42.7 %	94.1 %	740.2 %	128.0 %	161.2 %	4.914.6 %

	Cd 214.438 Axial-eUV	Co 228.616 Axial-eUV	Cr 267.716 Axial-eUV	Cu 324.754 Axial-eUV	Fe 259.940 Radial-eUV	K 766.490 Radial-eUV	Li 670.776 Radial-eUV
Concentration average	0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0009 ppm	0.0003 ppm	-0.0256 ppm	0.0007 ppm
Concentration per Run 1	0.0003 ppm	-0.0005 ppm	0.0015 ppm	-0.0012 ppm	-0.0012 ppm	-0.0378 ppm	0.0012 ppm
Concentration per Run 2	0.0000 ppm	-0.0014 ppm	-0.0010 ppm	-0.0010 ppm	0.0007 ppm	-0.0255 ppm	0.0007 ppm
Concentration per Run 3	0.0002 ppm	-0.0012 ppm	0.0002 ppm	-0.0006 ppm	0.0014 ppm	-0.0136 ppm	0.0001 ppm
Recovery Percentage 1	2.868 %	-0.471 %	5.086 %	-9.413 %	0.578 %	-1.025 %	13.656 %
Concentration RSD	116.7 %	1,421.7 %	166.7 %	36.4 %	461.6 %	47.3 %	79.9 %

	Mg 279.079 Axial-eUV	Mn 257.610 Radial-eUV	Mo 202.030 Axial-eUV	Na 589.592 Radial-eUV	Ni 231.604 Axial-eUV	Pb 220.353 Axial-eUV	Sb 206.833 Axial-eUV
Concentration average	0.0085 ppm	0.0000 ppm	0.0021 ppm	-0.0310 ppm	-0.0009 ppm	0.0021 ppm	0.0013 ppm
Concentration per Run 1	0.0054 ppm	-0.0001 ppm	0.0012 ppm	-0.0362 ppm	0.0005 ppm	0.0037 ppm	0.0015 ppm
Concentration per Run 2	0.0082 ppm	0.0001 ppm	0.0021 ppm	-0.0308 ppm	-0.0022 ppm	0.0014 ppm	-0.0022 ppm
Concentration per Run 3	0.0061 ppm	0.0002 ppm	0.0030 ppm	-0.0260 ppm	-0.0012 ppm	0.0011 ppm	0.0047 ppm
Recovery Percentage 1	6.532 %	0.435 %	4.211 %	-1.549 %	-3.782 %	20.525 %	2.665 %
Concentration RSD	22.3 %	353.4 %	42.7 %	16.3 %	147.2 %	67.8 %	261.2 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-eUV	Sn 189.989 Axial-eUV	Sr 421.552 Radial-eUV	Ti 334.904 Axial-eUV	Tl 190.856 Axial-eUV	V 292.402 Axial-eUV
Concentration average	0.0025 ppm	-0.0100 ppm	-0.0012 ppm	0.0000 ppm	0.0015 ppm	0.0051 ppm	-0.0005 ppm
Concentration per Run 1	-0.0004 ppm	-0.0056 ppm	0.0000 ppm	0.0026 ppm	0.0006 ppm	0.0059 ppm	-0.0006 ppm
Concentration per Run 2	0.0035 ppm	-0.0119 ppm	-0.0015 ppm	-0.0001 ppm	0.0008 ppm	0.0057 ppm	-0.0003 ppm
Concentration per Run 3	0.0043 ppm	-0.0124 ppm	-0.0022 ppm	0.0000 ppm	0.0011 ppm	0.0038 ppm	-0.0005 ppm
Recovery Percentage 1	24.694 %	-1.994 %	-2.468 %	0.086 %	14.985 %	25.585 %	-4.721 %
Concentration RSD	102.2 %	37.8 %	88.0 %	649.7 %	62.7 %	22.5 %	39.1 %

	Zn 206.200 Axial-eUV	Sc 361.384 Axial-eUV	Sc 361.384 Radial-eUV	Sc 227.318 Axial-eUV	Y 360.073 Axial-eUV	Y 371.030 Radial-eUV	Y 224.306 Axial-eUV
Concentration average	0.0003 ppm	103.8560 %	98.9430 %	100.2641 %	102.6924 %	99.1703 %	100.7878 %
Concentration per Run 1	0.0003 ppm	103.5399 %	99.8712 %	100.3766 %	102.2653 %	99.9112 %	100.7455 %
Concentration per Run 2	0.0003 ppm	103.7844 %	98.8078 %	99.8998 %	102.2335 %	98.8262 %	100.5284 %
Concentration per Run 3	0.0003 ppm	104.2439 %	98.1500 %	100.5158 %	103.5783 %	98.7736 %	101.0893 %
Recovery Percentage 1	5.444 %	0.3 %	0.9 %	0.3 %	0.7 %	0.6 %	0.3 %
Concentration RSD	6.1 %	0.3 %	0.9 %	0.3 %	0.7 %	0.6 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112414-1 WG2112414

Analysis started at: 9/10/2025 7:04:43 PM

Rack 1

Vial 14

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	-0.0130 ppm	-0.0014 ppm	0.0013 ppm	0.0002 ppm	-0.0001 ppm	0.0285 ppm
Concentration per Run 1	-0.0008 ppm	-0.0117 ppm	-0.0014 ppm	-0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0267 ppm
Concentration per Run 2	-0.0012 ppm	-0.0136 ppm	-0.0019 ppm	-0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0287 ppm
Concentration per Run 3	-0.0022 ppm	-0.0137 ppm	-0.0010 ppm	0.0048 ppm	0.0001 ppm	-0.0001 ppm	0.0300 ppm
Recovery Percentage 1	-19.974 %	-12.996 %	-28.762 %	4.336 %	2.096 %	-1.437 %	28.473 %
Concentration RSD	48.7 %	8.7 %	29.9 %	234.2 %	31.3 %	35.7 %	5.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0015 ppm	0.0136 ppm	0.0002 ppm
Concentration per Run 1	-0.0004 ppm	-0.0008 ppm	0.0000 ppm	0.0009 ppm	0.0006 ppm	0.0208 ppm	0.0001 ppm
Concentration per Run 2	-0.0002 ppm	-0.0016 ppm	0.0015 ppm	-0.0006 ppm	0.0046 ppm	0.0079 ppm	0.0001 ppm
Concentration per Run 3	-0.0005 ppm	-0.0002 ppm	-0.0013 ppm	-0.0005 ppm	-0.0006 ppm	0.0121 ppm	0.0004 ppm
Recovery Percentage 1	-7.312 %	-4.313 %	0.833 %	-0.406 %	3.049 %	0.544 %	4.260 %
Concentration RSD	34.6 %	82.2 %	1.667.3 %	2.073.4 %	180.3 %	48.2 %	95.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0084 ppm	0.0001 ppm	0.0001 ppm	138.9546 ppm	-0.0002 ppm	0.0021 ppm	0.0009 ppm
Concentration per Run 1	0.0101 ppm	0.0000 ppm	-0.0006 ppm	139.5320 ppm	-0.0018 ppm	0.0020 ppm	0.0043 ppm
Concentration per Run 2	0.0075 ppm	-0.0001 ppm	0.0001 ppm	138.6882 ppm	-0.0005 ppm	0.0019 ppm	0.0025 ppm
Concentration per Run 3	0.0077 ppm	0.0002 ppm	0.0001 ppm	138.6438 ppm	0.0017 ppm	0.0024 ppm	-0.0042 ppm
Recovery Percentage 1	8.436 %	0.704 %	-0.267 %	6.947.732 %	-0.750 %	20.915 %	1.736 %
Concentration RSD	17.4 %	201.1 %	314.2 %	0.4 %	947.6 %	13.1 %	519.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0052 ppm	0.0197 ppm	-0.0016 ppm	0.0000 ppm	0.0014 ppm	-0.0007 ppm	0.0005 ppm
Concentration per Run 1	0.0083 ppm	0.0221 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 2	0.0019 ppm	0.0181 ppm	-0.0040 ppm	0.0001 ppm	0.0018 ppm	-0.0063 ppm	0.0003 ppm
Concentration per Run 3	0.0052 ppm	0.0190 ppm	-0.0009 ppm	0.0000 ppm	0.0009 ppm	0.0042 ppm	0.0004 ppm
Recovery Percentage 1	51.643 %	3.947 %	-3.232 %	0.401 %	13.652 %	-3.629 %	5.191 %
Concentration RSD	61.6 %	10.5 %	128.5 %	107.5 %	33.1 %	727.5 %	64.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0036 ppm	108.3204 %	99.1640 %	103.9558 %	105.4586 %	97.8248 %	103.1731 %
Concentration per Run 1	-0.0038 ppm	108.5024 %	98.4009 %	104.7269 %	105.2481 %	97.6285 %	103.4347 %
Concentration per Run 2	-0.0031 ppm	108.8304 %	98.4989 %	104.7839 %	105.9929 %	96.7295 %	103.9157 %
Concentration per Run 3	-0.0039 ppm	107.6282 %	100.5922 %	102.3566 %	105.1349 %	99.1165 %	102.1688 %
Recovery Percentage 1	-72.152 %	0.6 %	1.2 %	1.3 %	0.4 %	1.2 %	0.9 %
Concentration RSD	12.4 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112414-2 WG2112414

Analysis started at: 9/10/2025 7:08:01 PM

Rack 1

Vial 15

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0450 ppm	1.9182 ppm	0.1138 ppm	0.9532 ppm	1.8956 ppm	0.0478 ppm	9.7789 ppm
Concentration per Run 1	0.0458 ppm	1.9193 ppm	0.1115 ppm	0.9670 ppm	1.9007 ppm	0.0481 ppm	9.8283 ppm
Concentration per Run 2	0.0451 ppm	1.9132 ppm	0.1149 ppm	0.9529 ppm	1.8883 ppm	0.0475 ppm	9.7648 ppm
Concentration per Run 3	0.0440 ppm	1.9223 ppm	0.1151 ppm	0.9457 ppm	1.8978 ppm	0.0477 ppm	9.7435 ppm
Concentration RSD	2.0 %	0.2 %	1.8 %	1.1 %	0.3 %	0.7 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0509 ppm	0.4700 ppm	0.1895 ppm	0.2338 ppm	0.9533 ppm	9.9384 ppm	0.0008 ppm
Concentration per Run 1	0.0510 ppm	0.4738 ppm	0.1917 ppm	0.2342 ppm	0.9629 ppm	9.9983 ppm	0.0012 ppm
Concentration per Run 2	0.0506 ppm	0.4681 ppm	0.1879 ppm	0.2327 ppm	0.9529 ppm	9.8522 ppm	0.0002 ppm
Concentration per Run 3	0.0509 ppm	0.4679 ppm	0.1889 ppm	0.2345 ppm	0.9441 ppm	9.9645 ppm	0.0010 ppm
Concentration RSD	0.4 %	0.7 %	1.0 %	0.4 %	1.0 %	0.8 %	65.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.4913 ppm	0.4849 ppm	0.9659 ppm	9.9536 ppm	0.4687 ppm	0.5164 ppm	0.4716 ppm
Concentration per Run 1	9.5330 ppm	0.4862 ppm	0.9644 ppm	9.9485 ppm	0.4725 ppm	0.5145 ppm	0.4746 ppm
Concentration per Run 2	9.4629 ppm	0.4843 ppm	0.9650 ppm	9.9730 ppm	0.4672 ppm	0.5109 ppm	0.4750 ppm
Concentration per Run 3	9.4780 ppm	0.4843 ppm	0.9682 ppm	9.9393 ppm	0.4664 ppm	0.5239 ppm	0.4652 ppm
Concentration RSD	0.4 %	0.2 %	0.2 %	0.2 %	0.7 %	1.3 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1165 ppm	0.9147 ppm	0.9381 ppm	0.9533 ppm	0.9628 ppm	0.1120 ppm	0.4844 ppm
Concentration per Run 1	0.1146 ppm	0.9150 ppm	0.9467 ppm	0.9575 ppm	0.9675 ppm	0.1116 ppm	0.4839 ppm
Concentration per Run 2	0.1176 ppm	0.9134 ppm	0.9319 ppm	0.9499 ppm	0.9609 ppm	0.1112 ppm	0.4837 ppm
Concentration per Run 3	0.1173 ppm	0.9157 ppm	0.9359 ppm	0.9525 ppm	0.9602 ppm	0.1131 ppm	0.4857 ppm
Concentration RSD	1.4 %	0.1 %	0.8 %	0.4 %	0.4 %	0.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4836 ppm	104.6091 %	99.4616 %	100.9335 %	102.0646 %	98.5927 %	100.0487 %
Concentration per Run 1	0.4858 ppm	103.2900 %	98.6720 %	100.9333 %	100.5748 %	97.9957 %	100.1046 %
Concentration per Run 2	0.4834 ppm	105.5779 %	100.2070 %	101.5081 %	103.0709 %	99.3893 %	100.7947 %
Concentration per Run 3	0.4816 ppm	104.9593 %	99.5058 %	100.3591 %	102.5482 %	98.3930 %	99.2468 %
Concentration RSD	0.4 %	1.1 %	0.8 %	0.6 %	1.3 %	0.7 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556284-01 WG2113011

Analysis started at: 9/10/2025 7:11:56 PM

Rack 1

Vial 13

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.0844 ppm	-0.0012 ppm	0.0049 ppm	0.0030 ppm	-0.0001 ppm	0.3362 ppm
Concentration per Run 1	-0.0023 ppm	0.0818 ppm	-0.0009 ppm	0.0081 ppm	0.0026 ppm	0.0000 ppm	0.3056 ppm
Concentration per Run 2	0.0003 ppm	0.0921 ppm	0.0003 ppm	0.0022 ppm	0.0033 ppm	-0.0001 ppm	0.3660 ppm
Concentration per Run 3	0.0003 ppm	0.0793 ppm	-0.0030 ppm	0.0044 ppm	0.0030 ppm	-0.0001 ppm	0.3371 ppm
Concentration RSD	256.8 %	8.1 %	141.2 %	61.5 %	11.5 %	63.8 %	9.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0250 ppm	0.0638 ppm	0.0003 ppm
Concentration per Run 1	-0.0002 ppm	-0.0003 ppm	-0.0002 ppm	-0.0003 ppm	0.0224 ppm	0.0784 ppm	0.0016 ppm
Concentration per Run 2	-0.0002 ppm	0.0000 ppm	0.0011 ppm	0.0009 ppm	0.0284 ppm	0.0564 ppm	0.0001 ppm
Concentration per Run 3	-0.0002 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0241 ppm	0.0565 ppm	-0.0008 ppm
Concentration RSD	16.8 %	303.0 %	215.3 %	528.5 %	12.3 %	19.8 %	379.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0551 ppm	0.0035 ppm	0.0007 ppm	136.4957 ppm	0.0006 ppm	0.0020 ppm	-0.0019 ppm
Concentration per Run 1	0.0562 ppm	0.0031 ppm	0.0012 ppm	124.8381 ppm	0.0007 ppm	0.0011 ppm	-0.0053 ppm
Concentration per Run 2	0.0541 ppm	0.0040 ppm	0.0006 ppm	147.8034 ppm	-0.0002 ppm	0.0037 ppm	-0.0016 ppm
Concentration per Run 3	0.0549 ppm	0.0034 ppm	0.0005 ppm	136.8455 ppm	0.0014 ppm	0.0011 ppm	0.0013 ppm
Concentration RSD	1.9 %	12.5 %	51.1 %	8.4 %	129.1 %	76.4 %	176.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0048 ppm	0.1014 ppm	-0.0009 ppm	0.0013 ppm	0.0028 ppm	-0.0017 ppm	-0.0001 ppm
Concentration per Run 1	0.0053 ppm	0.0984 ppm	0.0002 ppm	0.0012 ppm	0.0036 ppm	-0.0057 ppm	0.0001 ppm
Concentration per Run 2	0.0026 ppm	0.1024 ppm	-0.0024 ppm	0.0014 ppm	0.0022 ppm	0.0034 ppm	-0.0006 ppm
Concentration per Run 3	0.0065 ppm	0.1034 ppm	-0.0007 ppm	0.0013 ppm	0.0027 ppm	-0.0030 ppm	0.0002 ppm
Concentration RSD	41.7 %	2.6 %	141.0 %	6.3 %	26.0 %	266.6 %	568.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	107.2322 %	98.6435 %	103.5687 %	104.4619 %	97.1199 %
Concentration per Run 1	0.0005 ppm	107.4381 %	106.8235 %	103.0651 %	104.8509 %	105.1451 %
Concentration per Run 2	0.0007 ppm	107.4662 %	91.6493 %	103.8560 %	104.2648 %	89.8877 %
Concentration per Run 3	0.0007 ppm	106.7922 %	97.4576 %	103.7850 %	104.2700 %	96.3270 %
Concentration RSD	19.2 %	0.4 %	7.8 %	0.4 %	0.3 %	7.9 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L255555-01 WG2112414

Analysis started at: 9/10/2025 7:15:08 PM

Rack 1

Vial 16

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0151 ppm	0.0000 ppm	0.0040 ppm	0.0296 ppm	0.0001 ppm	2.4721 ppm
Concentration per Run 1	-0.0018 ppm	0.0137 ppm	-0.0013 ppm	0.0035 ppm	0.0294 ppm	0.0000 ppm	2.4546 ppm
Concentration per Run 2	0.0007 ppm	0.0150 ppm	0.0019 ppm	0.0040 ppm	0.0297 ppm	0.0001 ppm	2.4865 ppm
Concentration per Run 3	-0.0001 ppm	0.0167 ppm	-0.0006 ppm	0.0044 ppm	0.0297 ppm	0.0001 ppm	2.4753 ppm
Concentration RSD	329.2 %	10.0 %	56.221.8 %	10.8 %	0.6 %	72.1 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0007 ppm	0.0025 ppm	0.0006 ppm	1.6937 ppm	0.2227 ppm	0.0011 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0034 ppm	0.0005 ppm	1.6830 ppm	0.0025 ppm	0.0025 ppm
Concentration per Run 2	-0.0003 ppm	0.0012 ppm	0.0017 ppm	0.0012 ppm	1.6953 ppm	0.2221 ppm	0.0000 ppm
Concentration per Run 3	-0.0003 ppm	0.0009 ppm	0.0025 ppm	0.0001 ppm	1.7026 ppm	0.2161 ppm	0.0007 ppm
Concentration RSD	64.9 %	73.9 %	32.9 %	94.2 %	0.6 %	3.1 %	120.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.8240 ppm	0.1072 ppm	-0.0006 ppm	134.4445 ppm	0.0028 ppm	0.0006 ppm	-0.0019 ppm
Concentration per Run 1	0.8245 ppm	0.1065 ppm	0.0004 ppm	133.3820 ppm	0.0022 ppm	0.0007 ppm	-0.0044 ppm
Concentration per Run 2	0.8136 ppm	0.1075 ppm	-0.0010 ppm	135.7129 ppm	0.0037 ppm	-0.0015 ppm	-0.0032 ppm
Concentration per Run 3	0.8339 ppm	0.1075 ppm	-0.0012 ppm	134.2387 ppm	0.0026 ppm	0.0027 ppm	0.0019 ppm
Concentration RSD	1.2 %	0.5 %	140.0 %	0.9 %	27.0 %	336.7 %	177.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	0.1607 ppm	-0.0021 ppm	0.0203 ppm	0.0014 ppm	-0.0017 ppm	0.0001 ppm
Concentration per Run 1	0.0025 ppm	0.1556 ppm	-0.0035 ppm	0.0202 ppm	0.0006 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run 2	0.0061 ppm	0.1623 ppm	-0.0008 ppm	0.0204 ppm	0.0024 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 3	0.0035 ppm	0.1641 ppm	-0.0019 ppm	0.0202 ppm	0.0011 ppm	-0.0038 ppm	0.0003 ppm
Concentration RSD	45.1 %	2.8 %	65.3 %	0.5 %	67.2 %	107.4 %	475.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0331 ppm	107.8398 %	98.6728 %	103.6452 %	104.6980 %	97.7788 %	102.4522 %
Concentration per Run 1	0.0329 ppm	108.4260 %	98.9747 %	103.7411 %	104.9204 %	97.7715 %	102.2611 %
Concentration per Run 2	0.0321 ppm	108.2612 %	97.4544 %	103.7527 %	105.3522 %	96.7062 %	102.0960 %
Concentration per Run 3	0.0343 ppm	106.8322 %	99.5893 %	103.4417 %	103.8212 %	98.8587 %	102.9994 %
Concentration RSD	3.4 %	0.8 %	1.1 %	0.2 %	0.8 %	1.1 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112414-3 WG2112414

Analysis started at: 9/10/2025 7:18:20 PM

Rack 1

Vial 17

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0458 ppm	1.9407 ppm	0.1148 ppm	0.9398 ppm	1.9081 ppm	0.0483 ppm	12.2487 ppm
Concentration per Run 1	0.0453 ppm	1.9557 ppm	0.1165 ppm	0.9399 ppm	1.9193 ppm	0.0485 ppm	12.2988 ppm
Concentration per Run 2	0.0455 ppm	1.9284 ppm	0.1156 ppm	0.9358 ppm	1.8821 ppm	0.0477 ppm	12.1946 ppm
Concentration per Run 3	0.0467 ppm	1.9381 ppm	0.1124 ppm	0.9437 ppm	1.9228 ppm	0.0486 ppm	12.2527 ppm
Concentration RSD	1.6 %	0.7 %	1.9 %	0.4 %	1.2 %	1.0 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0496 ppm	0.4660 ppm	0.1874 ppm	0.2429 ppm	2.6123 ppm	10.0876 ppm	0.0011 ppm
Concentration per Run 1	0.0500 ppm	0.4710 ppm	0.1878 ppm	0.2438 ppm	2.6231 ppm	10.1513 ppm	0.0017 ppm
Concentration per Run 2	0.0493 ppm	0.4613 ppm	0.1870 ppm	0.2432 ppm	2.5837 ppm	9.9564 ppm	0.0006 ppm
Concentration per Run 3	0.0495 ppm	0.4657 ppm	0.1874 ppm	0.2417 ppm	2.6302 ppm	10.1550 ppm	0.0011 ppm
Concentration RSD	0.7 %	1.0 %	0.2 %	0.4 %	1.0 %	1.1 %	49.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.2078 ppm	0.5842 ppm	0.9614 ppm	141.3558 ppm	0.4703 ppm	0.5149 ppm	0.4708 ppm
Concentration per Run 1	10.2356 ppm	0.5875 ppm	0.9625 ppm	141.1231 ppm	0.4714 ppm	0.5149 ppm	0.4735 ppm
Concentration per Run 2	10.1458 ppm	0.5811 ppm	0.9543 ppm	140.6686 ppm	0.4674 ppm	0.5144 ppm	0.4679 ppm
Concentration per Run 3	10.2419 ppm	0.5838 ppm	0.9673 ppm	142.2779 ppm	0.4719 ppm	0.5155 ppm	0.4709 ppm
Concentration RSD	0.5 %	0.5 %	0.7 %	0.6 %	0.5 %	0.1 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1162 ppm	1.0707 ppm	0.9339 ppm	0.9648 ppm	0.9617 ppm	0.1123 ppm	0.4822 ppm
Concentration per Run 1	0.1164 ppm	1.0733 ppm	0.9314 ppm	0.9717 ppm	0.9648 ppm	0.1133 ppm	0.4841 ppm
Concentration per Run 2	0.1179 ppm	1.0690 ppm	0.9314 ppm	0.9510 ppm	0.9585 ppm	0.1110 ppm	0.4794 ppm
Concentration per Run 3	0.1141 ppm	1.0698 ppm	0.9388 ppm	0.9717 ppm	0.9617 ppm	0.1127 ppm	0.4832 ppm
Concentration RSD	1.6 %	0.2 %	0.5 %	1.2 %	0.3 %	1.1 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5065 ppm	107.7800 %	98.6822 %	103.0549 %	104.8977 %	97.2257 %	101.6591 %
Concentration per Run 1	0.5063 ppm	108.0337 %	98.1828 %	102.2376 %	104.9627 %	96.5764 %	101.6937 %
Concentration per Run 2	0.5041 ppm	108.1006 %	99.0587 %	103.8501 %	105.2808 %	97.9407 %	101.8374 %
Concentration per Run 3	0.5090 ppm	107.2057 %	98.8051 %	103.0771 %	104.4498 %	97.1600 %	101.4463 %
Concentration RSD	0.5 %	0.5 %	0.5 %	0.8 %	0.4 %	0.7 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112414-4.WG2112414

Analysis started at: 9/10/2025 7:21:33 PM

Rack 1

Vial 18

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0015 ppm	0.0191 ppm	-0.0003 ppm	0.0034 ppm	0.0296 ppm	0.0001 ppm	2.4758 ppm
Concentration per Run 1	-0.0031 ppm	0.0163 ppm	-0.0022 ppm	0.0038 ppm	0.0298 ppm	0.0001 ppm	2.4799 ppm
Concentration per Run 2	-0.0008 ppm	0.0151 ppm	0.0022 ppm	0.0010 ppm	0.0296 ppm	0.0001 ppm	2.4656 ppm
Concentration per Run 3	-0.0007 ppm	0.0258 ppm	-0.0008 ppm	0.0052 ppm	0.0295 ppm	0.0001 ppm	2.4820 ppm
Concentration RSD	88.4 %	30.6 %	849.4 %	63.3 %	0.5 %	21.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0012 ppm	0.0025 ppm	0.0016 ppm	1.6984 ppm	0.2041 ppm	0.0008 ppm
Concentration per Run 1	-0.0001 ppm	0.0028 ppm	0.0017 ppm	0.0010 ppm	1.6981 ppm	0.2201 ppm	0.0011 ppm
Concentration per Run 2	-0.0001 ppm	-0.0005 ppm	0.0025 ppm	0.0022 ppm	1.6986 ppm	0.1911 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0012 ppm	0.0033 ppm	0.0015 ppm	1.6985 ppm	0.2012 ppm	0.0012 ppm
Concentration RSD	20.5 %	143.4 %	32.7 %	37.0 %	0.0 %	7.2 %	79.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.8262 ppm	0.1071 ppm	0.0036 ppm	134.6813 ppm	0.0039 ppm	0.0028 ppm	-0.0008 ppm
Concentration per Run 1	0.8266 ppm	0.1078 ppm	0.0038 ppm	134.7989 ppm	0.0054 ppm	0.0032 ppm	-0.0024 ppm
Concentration per Run 2	0.8244 ppm	0.1067 ppm	0.0036 ppm	134.4684 ppm	0.0040 ppm	0.0045 ppm	0.0007 ppm
Concentration per Run 3	0.8276 ppm	0.1068 ppm	0.0034 ppm	134.7765 ppm	0.0024 ppm	0.0005 ppm	-0.0008 ppm
Concentration RSD	0.2 %	0.6 %	5.0 %	0.1 %	38.5 %	74.2 %	191.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0045 ppm	0.1579 ppm	0.0010 ppm	0.0202 ppm	0.0021 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run 1	0.0024 ppm	0.1611 ppm	0.0005 ppm	0.0204 ppm	0.0016 ppm	-0.0053 ppm	0.0000 ppm
Concentration per Run 2	0.0047 ppm	0.1579 ppm	-0.0011 ppm	0.0203 ppm	0.0029 ppm	0.0030 ppm	0.0006 ppm
Concentration per Run 3	0.0064 ppm	0.1547 ppm	0.0035 ppm	0.0200 ppm	0.0019 ppm	-0.0022 ppm	0.0000 ppm
Concentration RSD	44.4 %	2.0 %	250.3 %	1.0 %	31.2 %	281.1 %	156.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0336 ppm	107.8549 %	98.0081 %	103.6858 %	105.1596 %	96.9699 %	102.5083 %
Concentration per Run 1	0.0338 ppm	108.2676 %	96.7905 %	103.6503 %	105.8441 %	95.9310 %	102.1618 %
Concentration per Run 2	0.0332 ppm	108.5708 %	98.1938 %	103.7864 %	105.2713 %	97.2117 %	103.0803 %
Concentration per Run 3	0.0338 ppm	106.7264 %	99.0399 %	103.6207 %	104.3634 %	97.7670 %	102.2829 %
Concentration RSD	1.0 %	0.9 %	1.2 %	0.1 %	0.7 %	1.0 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555555-02 WG2112414

Analysis started at: 9/10/2025 7:24:47 PM

Rack 1

Vial 19

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	-0.0119 ppm	-0.0015 ppm	0.0032 ppm	0.0324 ppm	0.0000 ppm	35.4028 ppm
Concentration per Run 1	-0.0007 ppm	-0.0137 ppm	-0.0012 ppm	0.0036 ppm	0.0325 ppm	0.0000 ppm	35.2306 ppm
Concentration per Run 2	-0.0008 ppm	-0.0209 ppm	-0.0009 ppm	0.0075 ppm	0.0324 ppm	0.0000 ppm	35.4939 ppm
Concentration per Run 3	-0.0007 ppm	-0.0013 ppm	-0.0024 ppm	0.0043 ppm	0.0322 ppm	0.0001 ppm	35.4839 ppm
Concentration RSD	7.0 %	82.9 %	53.3 %	40.3 %	0.5 %	228.3 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0004 ppm	0.0005 ppm	0.0001 ppm	0.4108 ppm	0.3855 ppm	0.0016 ppm
Concentration per Run 1	-0.0004 ppm	0.0009 ppm	0.0002 ppm	0.0002 ppm	0.4109 ppm	0.3709 ppm	0.0020 ppm
Concentration per Run 2	-0.0003 ppm	-0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.4102 ppm	0.3820 ppm	0.0015 ppm
Concentration per Run 3	-0.0001 ppm	0.0006 ppm	-0.0010 ppm	0.0004 ppm	0.4115 ppm	0.4035 ppm	0.0014 ppm
Concentration RSD	53.6 %	157.3 %	202.8 %	202.8 %	0.2 %	4.3 %	19.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.8012 ppm	0.3199 ppm	0.0008 ppm	144.1493 ppm	0.0032 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 1	0.8089 ppm	0.3198 ppm	0.0003 ppm	143.1932 ppm	0.0070 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 2	0.7993 ppm	0.3186 ppm	0.0005 ppm	145.4676 ppm	0.0021 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run 3	0.7953 ppm	0.3214 ppm	0.0017 ppm	143.7870 ppm	0.0006 ppm	0.0000 ppm	-0.0003 ppm
Concentration RSD	0.9 %	0.4 %	88.4 %	0.8 %	104.1 %	88.8 %	329.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0038 ppm	0.1392 ppm	0.0008 ppm	0.1830 ppm	0.0013 ppm	-0.0040 ppm	-0.0001 ppm
Concentration per Run 1	0.0054 ppm	0.1372 ppm	0.0005 ppm	0.1829 ppm	0.0010 ppm	-0.0027 ppm	-0.0007 ppm
Concentration per Run 2	0.0016 ppm	0.1396 ppm	0.0022 ppm	0.1829 ppm	0.0014 ppm	-0.0056 ppm	-0.0002 ppm
Concentration per Run 3	0.0043 ppm	0.1409 ppm	-0.0002 ppm	0.1833 ppm	0.0015 ppm	-0.0035 ppm	0.0006 ppm
Concentration RSD	52.4 %	1.3 %	151.3 %	0.1 %	19.0 %	37.7 %	540.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0125 ppm	108.1039 %	98.6894 %	102.8866 %	105.4334 %	98.0748 %	102.7356 %
Concentration per Run 1	0.0125 ppm	107.3291 %	98.3054 %	102.6229 %	104.8762 %	97.2834 %	102.8708 %
Concentration per Run 2	0.0124 ppm	108.9454 %	98.9083 %	103.2628 %	106.4172 %	98.5713 %	103.1250 %
Concentration per Run 3	0.0126 ppm	108.0372 %	98.8546 %	102.7740 %	105.0068 %	98.3696 %	102.2109 %
Concentration RSD	0.7 %	0.7 %	0.3 %	0.3 %	0.8 %	0.7 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555555-03 WG2112414

Analysis started at: 9/10/2025 7:28:00 PM

Rack 1

Vial 20

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0016 ppm	0.1357 ppm	0.0010 ppm	0.0334 ppm	0.0365 ppm	0.0001 ppm	13.6772 ppm
Concentration per Run 1	-0.0022 ppm	0.1391 ppm	-0.0001 ppm	0.0333 ppm	0.0364 ppm	0.0001 ppm	13.6537 ppm
Concentration per Run 2	-0.0015 ppm	0.1384 ppm	0.0032 ppm	0.0337 ppm	0.0365 ppm	0.0001 ppm	13.7111 ppm
Concentration per Run 3	-0.0013 ppm	0.1297 ppm	-0.0001 ppm	0.0332 ppm	0.0367 ppm	0.0001 ppm	13.6669 ppm
Concentration RSD	26.7 %	3.9 %	192.5 %	0.9 %	0.4 %	16.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0003 ppm	0.0012 ppm	-0.0001 ppm	1.2696 ppm	0.3832 ppm	0.0019 ppm
Concentration per Run 1	-0.0006 ppm	-0.0005 ppm	0.0010 ppm	-0.0005 ppm	1.2748 ppm	0.3766 ppm	0.0024 ppm
Concentration per Run 2	-0.0003 ppm	-0.0004 ppm	0.0014 ppm	0.0001 ppm	1.2693 ppm	0.3823 ppm	0.0009 ppm
Concentration per Run 3	-0.0002 ppm	0.0019 ppm	0.0013 ppm	0.0000 ppm	1.2645 ppm	0.3907 ppm	0.0023 ppm
Concentration RSD	51.9 %	399.2 %	17.8 %	244.5 %	0.4 %	1.8 %	44.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.2000 ppm	0.1202 ppm	0.0001 ppm	132.4193 ppm	0.0038 ppm	0.0010 ppm	0.0048 ppm
Concentration per Run 1	1.1952 ppm	0.1202 ppm	-0.0002 ppm	132.1265 ppm	0.0044 ppm	-0.0012 ppm	0.0041 ppm
Concentration per Run 2	1.1997 ppm	0.1200 ppm	-0.0003 ppm	132.5600 ppm	0.0027 ppm	0.0012 ppm	0.0113 ppm
Concentration per Run 3	1.2053 ppm	0.1204 ppm	0.0006 ppm	132.5714 ppm	0.0043 ppm	0.0030 ppm	-0.0010 ppm
Concentration RSD	0.4 %	0.2 %	932.7 %	0.2 %	25.6 %	202.9 %	129.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0047 ppm	2.4459 ppm	-0.0012 ppm	0.0455 ppm	0.0039 ppm	-0.0038 ppm	0.0002 ppm
Concentration per Run 1	0.0042 ppm	2.4451 ppm	-0.0021 ppm	0.0454 ppm	0.0040 ppm	0.0007 ppm	0.0008 ppm
Concentration per Run 2	0.0051 ppm	2.4401 ppm	-0.0018 ppm	0.0455 ppm	0.0040 ppm	-0.0076 ppm	-0.0003 ppm
Concentration per Run 3	0.0050 ppm	2.4524 ppm	0.0003 ppm	0.0455 ppm	0.0038 ppm	-0.0047 ppm	0.0000 ppm
Concentration RSD	10.8 %	0.3 %	110.5 %	0.1 %	2.4 %	110.4 %	345.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0667 ppm	108.4026 %	99.6787 %	103.1713 %	105.4809 %	98.7497 %	102.2213 %
Concentration per Run 1	0.0671 ppm	108.6235 %	98.5138 %	103.7695 %	105.3443 %	97.5097 %	102.2800 %
Concentration per Run 2	0.0665 ppm	108.4869 %	100.6857 %	103.1926 %	105.4762 %	99.7153 %	102.4511 %
Concentration per Run 3	0.0666 ppm	108.0973 %	99.8367 %	102.5518 %	105.6221 %	99.0242 %	101.9329 %
Concentration RSD	0.5 %	0.3 %	1.1 %	0.6 %	0.1 %	1.1 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555555-04 WG2112414

Analysis started at: 9/10/2025 7:31:15 PM

Rack 1

Vial 21

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.0688 ppm	-0.0020 ppm	0.0164 ppm	0.0241 ppm	0.0000 ppm	4.3685 ppm
Concentration per Run 1	-0.0020 ppm	0.0711 ppm	-0.0023 ppm	0.0163 ppm	0.0241 ppm	0.0000 ppm	4.3535 ppm
Concentration per Run 2	-0.0009 ppm	0.0747 ppm	-0.0034 ppm	0.0170 ppm	0.0241 ppm	0.0000 ppm	4.3801 ppm
Concentration per Run 3	0.0004 ppm	0.0607 ppm	-0.0002 ppm	0.0160 ppm	0.0241 ppm	0.0000 ppm	4.3717 ppm
Concentration RSD	143.4 %	10.5 %	82.7 %	3.2 %	0.1 %	107.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0048 ppm	-0.0004 ppm	1.3742 ppm	0.1994 ppm	0.0013 ppm
Concentration per Run 1	0.0001 ppm	0.0005 ppm	0.0057 ppm	-0.0019 ppm	1.3806 ppm	0.1797 ppm	0.0008 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0038 ppm	0.0007 ppm	1.3647 ppm	0.2064 ppm	0.0010 ppm
Concentration per Run 3	-0.0002 ppm	-0.0013 ppm	0.0049 ppm	0.0000 ppm	1.3773 ppm	0.2122 ppm	0.0021 ppm
Concentration RSD	183.5 %	492.7 %	18.5 %	346.8 %	0.6 %	8.7 %	56.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.3230 ppm	0.1148 ppm	0.0010 ppm	137.7944 ppm	0.0041 ppm	0.0023 ppm	-0.0064 ppm
Concentration per Run 1	0.3251 ppm	0.1149 ppm	0.0026 ppm	137.7677 ppm	0.0061 ppm	0.0022 ppm	-0.0136 ppm
Concentration per Run 2	0.3252 ppm	0.1145 ppm	0.0014 ppm	137.6199 ppm	0.0014 ppm	0.0010 ppm	-0.0017 ppm
Concentration per Run 3	0.3188 ppm	0.1149 ppm	-0.0010 ppm	137.9956 ppm	0.0050 ppm	0.0037 ppm	-0.0039 ppm
Concentration RSD	1.1 %	0.2 %	175.5 %	0.1 %	59.9 %	57.2 %	98.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	0.5910 ppm	-0.0017 ppm	0.0175 ppm	0.0031 ppm	-0.0011 ppm	0.0009 ppm
Concentration per Run 1	0.0032 ppm	0.5949 ppm	-0.0012 ppm	0.0175 ppm	0.0016 ppm	-0.0043 ppm	0.0017 ppm
Concentration per Run 2	0.0001 ppm	0.5866 ppm	-0.0035 ppm	0.0173 ppm	0.0052 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 3	0.0087 ppm	0.5914 ppm	-0.0002 ppm	0.0178 ppm	0.0025 ppm	-0.0005 ppm	0.0009 ppm
Concentration RSD	108.8 %	0.7 %	100.9 %	1.2 %	59.6 %	248.9 %	90.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1072 ppm	108.5949 %	98.8096 %	104.0090 %	105.5510 %	97.6714 %	102.5871 %
Concentration per Run 1	0.1086 ppm	107.4108 %	98.6568 %	103.7420 %	104.7182 %	97.1583 %	102.3221 %
Concentration per Run 2	0.1058 ppm	109.6596 %	98.8417 %	104.0175 %	106.3732 %	97.1291 %	102.9585 %
Concentration per Run 3	0.1071 ppm	108.7143 %	98.9302 %	104.2674 %	105.5614 %	98.7268 %	102.4807 %
Concentration RSD	1.3 %	1.0 %	0.1 %	0.3 %	0.8 %	0.9 %	0.3 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2555555-05 WG2112414

Analysis started at: 9/10/2025 7:34:29 PM

Rack 1

Vial 22

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	0.0079 ppm	-0.0035 ppm	0.0040 ppm	0.0505 ppm	0.0002 ppm	4.4626 ppm
Concentration per Run 1	-0.0005 ppm	0.0093 ppm	-0.0006 ppm	0.0056 ppm	0.0508 ppm	0.0002 ppm	4.4544 ppm
Concentration per Run 2	-0.0008 ppm	0.0065 ppm	-0.0043 ppm	0.0033 ppm	0.0499 ppm	0.0002 ppm	4.4495 ppm
Concentration per Run 3	-0.0008 ppm	0.0080 ppm	-0.0054 ppm	0.0033 ppm	0.0508 ppm	0.0002 ppm	4.4840 ppm
Concentration RSD	23.1 %	17.2 %	72.7 %	31.6 %	1.0 %	5.7 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0017 ppm	0.0012 ppm	0.0004 ppm	1.2242 ppm	0.4494 ppm	0.0019 ppm
Concentration per Run 1	-0.0007 ppm	0.0020 ppm	0.0008 ppm	0.0015 ppm	1.2285 ppm	0.4383 ppm	0.0016 ppm
Concentration per Run 2	-0.0002 ppm	0.0010 ppm	0.0015 ppm	0.0001 ppm	1.2151 ppm	0.4384 ppm	0.0023 ppm
Concentration per Run 3	-0.0002 ppm	0.0022 ppm	0.0013 ppm	-0.0003 ppm	1.2290 ppm	0.4715 ppm	0.0018 ppm
Concentration RSD	78.1 %	35.2 %	28.2 %	236.5 %	0.6 %	4.3 %	19.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.3324 ppm	0.1792 ppm	-0.0009 ppm	135.4621 ppm	0.0023 ppm	0.0025 ppm	0.0004 ppm
Concentration per Run 1	1.3327 ppm	0.1797 ppm	-0.0015 ppm	134.9960 ppm	0.0027 ppm	0.0029 ppm	0.0142 ppm
Concentration per Run 2	1.3335 ppm	0.1786 ppm	-0.0012 ppm	134.5614 ppm	0.0002 ppm	0.0057 ppm	-0.0035 ppm
Concentration per Run 3	1.3310 ppm	0.1791 ppm	0.0000 ppm	136.8290 ppm	0.0040 ppm	-0.0013 ppm	-0.0095 ppm
Concentration RSD	0.1 %	0.3 %	84.0 %	0.9 %	82.2 %	143.1 %	3,312.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0060 ppm	0.1940 ppm	0.0002 ppm	0.0346 ppm	0.0012 ppm	-0.0026 ppm	0.0003 ppm
Concentration per Run 1	0.0056 ppm	0.2004 ppm	-0.0003 ppm	0.0345 ppm	0.0017 ppm	-0.0023 ppm	-0.0001 ppm
Concentration per Run 2	0.0064 ppm	0.1919 ppm	0.0004 ppm	0.0344 ppm	0.0007 ppm	-0.0020 ppm	0.0002 ppm
Concentration per Run 3	0.0059 ppm	0.1896 ppm	0.0004 ppm	0.0349 ppm	0.0012 ppm	-0.0034 ppm	0.0009 ppm
Concentration RSD	6.9 %	2.9 %	239.1 %	0.8 %	43.4 %	27.6 %	161.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0126 ppm	106.9629 %	98.8685 %	103.4581 %	104.4622 %	97.6795 %	103.0044 %
Concentration per Run 1	0.0127 ppm	107.3459 %	98.5913 %	103.8381 %	104.5957 %	97.1321 %	103.3712 %
Concentration per Run 2	0.0127 ppm	105.7579 %	99.2032 %	102.8822 %	103.5842 %	98.0296 %	102.1161 %
Concentration per Run 3	0.0124 ppm	107.7848 %	98.8110 %	103.6542 %	105.2067 %	97.8769 %	103.5259 %
Concentration RSD	1.5 %	1.0 %	0.3 %	0.5 %	0.8 %	0.5 %	0.8 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

CCV

Sample: 9/10/2025 7:37:43 PM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	0.4827 ppm	0.4829 ppm	0.4824 ppm	0.4953 ppm	0.4959 ppm	0.5079 ppm	0.4945 ppm
Concentration per Run 1	0.4829 ppm	0.4832 ppm	0.4855 ppm	0.4930 ppm	0.4930 ppm	0.5057 ppm	0.5011 ppm
Concentration per Run 2	0.4838 ppm	0.4835 ppm	0.4843 ppm	0.4948 ppm	0.4963 ppm	0.5084 ppm	0.4908 ppm
Concentration per Run 3	0.4815 ppm	0.4819 ppm	0.4773 ppm	0.4970 ppm	0.4983 ppm	0.5096 ppm	0.4915 ppm
Recovery Percentage 1	96.546 %	96.573 %	96.470 %	99.054 %	99.171 %	101.579 %	98.895 %
Concentration RSD	0.2 %	0.2 %	0.9 %	0.3 %	0.5 %	0.4 %	1.2 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.5047 ppm	0.5041 ppm	0.4941 ppm	0.4938 ppm	0.4961 ppm	5.1380 ppm	0.5170 ppm
Concentration per Run 1	0.5042 ppm	0.5036 ppm	0.4938 ppm	0.4938 ppm	0.4961 ppm	5.1314 ppm	0.5128 ppm
Concentration per Run 2	0.5048 ppm	0.5045 ppm	0.4953 ppm	0.4953 ppm	0.4940 ppm	5.0870 ppm	0.5169 ppm
Concentration per Run 3	0.5052 ppm	0.5042 ppm	0.4933 ppm	0.4984 ppm	0.4984 ppm	5.1956 ppm	0.5212 ppm
Recovery Percentage 1	100.948 %	100.819 %	98.825 %	98.825 %	99.231 %	102.760 %	103.395 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.4 %	1.1 %	0.8 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.4999 ppm	0.5152 ppm	0.4981 ppm	10.2716 ppm	0.5090 ppm	0.5063 ppm	0.5074 ppm
Concentration per Run 1	0.5013 ppm	0.5145 ppm	0.4956 ppm	10.2120 ppm	0.5111 ppm	0.5060 ppm	0.5110 ppm
Concentration per Run 2	0.5005 ppm	0.5162 ppm	0.4994 ppm	10.2518 ppm	0.5071 ppm	0.5060 ppm	0.5102 ppm
Concentration per Run 3	0.4977 ppm	0.5151 ppm	0.4992 ppm	10.3509 ppm	0.5088 ppm	0.5069 ppm	0.5011 ppm
Recovery Percentage 1	99.971 %	103.049 %	99.616 %	102.716 %	101.800 %	101.260 %	101.485 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.7 %	0.4 %	0.1 %	1.1 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.4860 ppm	5.2700 ppm	0.4945 ppm	0.5007 ppm	0.4993 ppm	0.4917 ppm	0.5065 ppm
Concentration per Run 1	0.4870 ppm	5.2556 ppm	0.4923 ppm	0.4987 ppm	0.4991 ppm	0.4902 ppm	0.5081 ppm
Concentration per Run 2	0.4807 ppm	5.2804 ppm	0.4950 ppm	0.5011 ppm	0.4992 ppm	0.4878 ppm	0.5064 ppm
Concentration per Run 3	0.4904 ppm	5.2741 ppm	0.4963 ppm	0.5022 ppm	0.4997 ppm	0.4970 ppm	0.5050 ppm
Recovery Percentage 1	97.209 %	100.382 %	98.906 %	100.131 %	99.869 %	98.332 %	101.292 %
Concentration RSD	1.0 %	0.2 %	0.4 %	0.4 %	0.1 %	1.0 %	0.3 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.5148 ppm	106.3181 %	101.0388 %	103.2527 %	103.9050 %	99.5852 %	101.8524 %
Concentration per Run 1	0.5137 ppm	106.5008 %	101.6342 %	102.7111 %	103.7389 %	100.0468 %	101.4433 %
Concentration per Run 2	0.5148 ppm	106.6031 %	100.6347 %	104.2712 %	104.2712 %	98.8486 %	101.9982 %
Concentration per Run 3	0.5159 ppm	105.8503 %	101.0454 %	103.8437 %	103.7051 %	99.8601 %	102.1158 %
Recovery Percentage 1	102.963 %						
Concentration RSD	0.2 %	0.4 %	0.6 %	0.6 %	0.3 %	0.6 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB

Analysis started at: 9/10/2025 7:40:58 PM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-eUV	As 189.042 Axial-eUV	B 208.959 Axial-eUV	Ba 455.403 Radial-eUV	Be 313.042 Radial-eUV	Ca 315.887 Radial-eUV
Concentration average	-0.0012 ppm	-0.0185 ppm	-0.0185 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0026 ppm
Concentration per Run 1	-0.0019 ppm	-0.0207 ppm	-0.0012 ppm	0.0017 ppm	-0.0001 ppm	0.0000 ppm	-0.0065 ppm
Concentration per Run 2	-0.0013 ppm	-0.0240 ppm	0.0010 ppm	0.0010 ppm	-0.0001 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 3	-0.0004 ppm	-0.0107 ppm	-0.0022 ppm	-0.0023 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm
Recovery Percentage 1	-17.253 %	-18.475 %	-15.305 %	0.467 %	-1.317 %	-2.557 %	134.4 %
Concentration RSD	62.5 %	37.6 %	212.1 %	1.522 %	59.9 %	435.7 %	

	Cd 214.438 Axial-eUV	Co 228.616 Axial-eUV	Cr 267.716 Axial-eUV	Cu 324.754 Axial-eUV	Fe 259.940 Radial-eUV	K 766.490 Radial-eUV	Li 670.776 Radial-eUV
Concentration average	-0.0002 ppm	0.0002 ppm	0.0010 ppm	-0.0007 ppm	0.0000 ppm	-0.0066 ppm	0.0005 ppm
Concentration per Run 1	-0.0003 ppm	0.0004 ppm	0.0012 ppm	-0.0002 ppm	0.0029 ppm	-0.0050 ppm	-0.0013 ppm
Concentration per Run 2	-0.0001 ppm	0.0011 ppm	0.0002 ppm	-0.0013 ppm	-0.0012 ppm	-0.0077 ppm	0.0019 ppm
Concentration per Run 3	0.0000 ppm	-0.0010 ppm	0.0018 ppm	-0.0005 ppm	-0.0016 ppm	-0.0072 ppm	0.0010 ppm
Recovery Percentage 1	-3.193 %	0.894 %	10.402 %	-6.633 %	0.086 %	-0.266 %	10.801 %
Concentration RSD	82.1 %	603.3 %	76.0 %	86.9 %	5.710 %	21.6 %	305.4 %

	Mg 279.079 Axial-eUV	Mn 257.610 Radial-eUV	Mo 202.030 Axial-eUV	Na 589.592 Radial-eUV	Ni 231.604 Axial-eUV	Pb 220.353 Axial-eUV	Sb 206.833 Axial-eUV
Concentration average	0.0066 ppm	0.0001 ppm	0.0026 ppm	-0.0235 ppm	-0.0006 ppm	0.0029 ppm	-0.0004 ppm
Concentration per Run 1	0.0044 ppm	0.0000 ppm	0.0014 ppm	-0.0271 ppm	-0.0016 ppm	0.0020 ppm	-0.0045 ppm
Concentration per Run 2	0.0093 ppm	0.0000 ppm	0.0032 ppm	-0.0187 ppm	0.0003 ppm	0.0041 ppm	0.0071 ppm
Concentration per Run 3	0.0060 ppm	0.0002 ppm	0.0034 ppm	-0.0248 ppm	-0.0004 ppm	0.0025 ppm	-0.0037 ppm
Recovery Percentage 1	6.567 %	1.065 %	5.263 %	-1.177 %	-2.336 %	28.946 %	-0.798 %
Concentration RSD	38.2 %	117.1 %	42.1 %	18.3 %	157.9 %	37.6 %	1.626 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-eUV	Sn 189.989 Axial-eUV	Sr 421.552 Radial-eUV	Ti 334.904 Axial-eUV	Tl 190.856 Axial-eUV	V 292.402 Axial-eUV
Concentration average	0.0020 ppm	-0.0079 ppm	-0.0020 ppm	0.0000 ppm	0.0019 ppm	0.0037 ppm	-0.0003 ppm
Concentration per Run 1	0.0010 ppm	-0.0049 ppm	-0.0023 ppm	0.0000 ppm	0.0020 ppm	0.0062 ppm	0.0003 ppm
Concentration per Run 2	-0.0005 ppm	-0.0075 ppm	-0.0046 ppm	0.0000 ppm	0.0012 ppm	0.0030 ppm	-0.0005 ppm
Concentration per Run 3	0.0055 ppm	-0.0112 ppm	0.0011 ppm	-0.0001 ppm	0.0025 ppm	0.0019 ppm	-0.0006 ppm
Recovery Percentage 1	19.993 %	-1.573 %	-3.916 %	-0.144 %	19.197 %	18.425 %	-2.781 %
Concentration RSD	157.4 %	40.1 %	145.5 %	315.1 %	35.3 %	60.8 %	175.5 %

	Zn 206.200 Axial-eUV	Sc 361.384 Axial-eUV	Sc 361.384 Radial-eUV	Sc 227.318 Axial-eUV	Y 360.073 Axial-eUV	Y 371.030 Radial-eUV	Y 224.306 Axial-eUV
Concentration average	0.0004 ppm	104.6723 %	99.4103 %	101.3917 %	103.2081 %	99.6962 %	101.4956 %
Concentration per Run 1	0.0001 ppm	105.2461 %	99.4991 %	101.0493 %	103.3713 %	99.4282 %	101.5978 %
Concentration per Run 2	0.0007 ppm	104.6763 %	99.0727 %	102.0333 %	103.2267 %	99.9596 %	101.7487 %
Concentration per Run 3	0.0004 ppm	104.0944 %	99.6590 %	101.0923 %	103.0263 %	99.7009 %	101.1403 %
Recovery Percentage 1	7.829 %	0.6 %	0.3 %	0.5 %	0.2 %	0.3 %	0.3 %
Concentration RSD	74.1 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555555-06 WG2112414

Analysis started at: 9/10/2025 8:13:33 PM

Rack 1

Vial 23

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0010 ppm	0.0675 ppm	-0.0018 ppm	0.0075 ppm	0.0217 ppm	0.0000 ppm	3.6632 ppm
Concentration per Run 1	-0.0002 ppm	0.0602 ppm	-0.0029 ppm	0.0052 ppm	0.0218 ppm	0.0000 ppm	3.6479 ppm
Concentration per Run 2	-0.0009 ppm	0.0737 ppm	-0.0020 ppm	0.0107 ppm	0.0217 ppm	0.0001 ppm	3.6703 ppm
Concentration per Run 3	-0.0019 ppm	0.0686 ppm	-0.0006 ppm	0.0066 ppm	0.0217 ppm	-0.0001 ppm	3.6713 ppm
Concentration RSD	89.8 %	10.1 %	65.3 %	38.0 %	0.2 %	970.4 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0014 ppm	-0.0004 ppm	1.3663 ppm	0.2504 ppm	0.0018 ppm
Concentration per Run 1	0.0001 ppm	-0.0020 ppm	0.0011 ppm	0.0003 ppm	1.3674 ppm	0.2557 ppm	0.0026 ppm
Concentration per Run 2	-0.0003 ppm	0.0009 ppm	0.0017 ppm	-0.0013 ppm	1.3715 ppm	0.2326 ppm	0.0020 ppm
Concentration per Run 3	0.0000 ppm	0.0008 ppm	0.0014 ppm	-0.0003 ppm	1.3599 ppm	0.2628 ppm	0.0009 ppm
Concentration RSD	355.7 %	1,802.1 %	23.0 %	183.7 %	0.4 %	6.3 %	48.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4738 ppm	0.1581 ppm	-0.0001 ppm	135.1636 ppm	0.0026 ppm	0.0032 ppm	0.0024 ppm
Concentration per Run 1	0.4702 ppm	0.1578 ppm	0.0005 ppm	135.2733 ppm	0.0029 ppm	0.0021 ppm	0.0017 ppm
Concentration per Run 2	0.4772 ppm	0.1586 ppm	-0.0011 ppm	135.2902 ppm	0.0023 ppm	0.0033 ppm	0.0027 ppm
Concentration per Run 3	0.4740 ppm	0.1578 ppm	0.0003 ppm	134.9274 ppm	0.0026 ppm	0.0042 ppm	0.0029 ppm
Concentration RSD	0.7 %	0.3 %	1,042.8 %	0.2 %	11.1 %	33.7 %	26.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0049 ppm	0.4800 ppm	-0.0015 ppm	0.0230 ppm	0.0024 ppm	-0.0016 ppm	0.0002 ppm
Concentration per Run 1	0.0026 ppm	0.4824 ppm	-0.0027 ppm	0.0232 ppm	0.0025 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0058 ppm	0.4802 ppm	-0.0016 ppm	0.0229 ppm	0.0028 ppm	-0.0034 ppm	-0.0003 ppm
Concentration per Run 3	0.0062 ppm	0.4774 ppm	-0.0001 ppm	0.0230 ppm	0.0018 ppm	-0.0007 ppm	0.0007 ppm
Concentration RSD	40.4 %	0.5 %	87.3 %	0.7 %	22.6 %	100.0 %	302.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0413 ppm	108.4523 %	99.6535 %	104.6815 %	105.4454 %	98.3553 %	103.3626 %
Concentration per Run 1	0.0412 ppm	108.8762 %	99.3862 %	105.0224 %	105.9251 %	97.8477 %	103.7081 %
Concentration per Run 2	0.0419 ppm	107.5445 %	100.5288 %	104.3469 %	104.9684 %	99.1780 %	103.5601 %
Concentration per Run 3	0.0408 ppm	108.9363 %	99.0453 %	104.6752 %	105.4428 %	98.0401 %	102.8196 %
Concentration RSD	1.3 %	0.7 %	0.8 %	0.3 %	0.5 %	0.7 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555781-01 WG2112414

Analysis started at: 9/10/2025 8:16:53 PM

Rack 1

Vial 24

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0012 ppm	0.0513 ppm	-0.0001 ppm	0.0051 ppm	0.0051 ppm	0.0002 ppm	4.2622 ppm
Concentration per Run 1	0.0002 ppm	0.0463 ppm	-0.0025 ppm	0.0067 ppm	0.0053 ppm	0.0002 ppm	4.2761 ppm
Concentration per Run 2	-0.0024 ppm	0.0470 ppm	0.0003 ppm	0.0026 ppm	0.0050 ppm	0.0002 ppm	4.2748 ppm
Concentration per Run 3	-0.0014 ppm	0.0607 ppm	0.0019 ppm	0.0058 ppm	0.0050 ppm	0.0002 ppm	4.2358 ppm
Concentration RSD	107.8 %	15.8 %	2.487.2 %	42.9 %	0.3 %	7.9 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0021 ppm	0.0005 ppm	0.0001 ppm	0.0239 ppm	0.6693 ppm	0.0016 ppm
Concentration per Run 1	-0.0002 ppm	0.0003 ppm	0.0014 ppm	0.0013 ppm	0.0218 ppm	0.6664 ppm	0.0026 ppm
Concentration per Run 2	0.0001 ppm	0.0026 ppm	0.0002 ppm	-0.0006 ppm	0.0247 ppm	0.6806 ppm	0.0020 ppm
Concentration per Run 3	0.0000 ppm	0.0033 ppm	-0.0001 ppm	-0.0003 ppm	0.0251 ppm	0.6609 ppm	0.0000 ppm
Concentration RSD	206.3 %	75.8 %	169.8 %	758.2 %	7.4 %	1.5 %	87.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.6394 ppm	0.2607 ppm	-0.0006 ppm	135.0660 ppm	-0.0011 ppm	0.0033 ppm	0.0036 ppm
Concentration per Run 1	0.6402 ppm	0.2617 ppm	-0.0010 ppm	135.4283 ppm	-0.0030 ppm	0.0007 ppm	0.0028 ppm
Concentration per Run 2	0.6444 ppm	0.2601 ppm	0.0000 ppm	135.3698 ppm	-0.0002 ppm	0.0041 ppm	-0.0024 ppm
Concentration per Run 3	0.6337 ppm	0.2604 ppm	-0.0009 ppm	134.4001 ppm	-0.0002 ppm	0.0052 ppm	0.0104 ppm
Concentration RSD	0.8 %	0.3 %	88.5 %	0.4 %	138.9 %	70.0 %	179.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0062 ppm	0.8312 ppm	-0.0007 ppm	0.0220 ppm	0.0029 ppm	-0.0039 ppm	-0.0003 ppm
Concentration per Run 1	0.0019 ppm	0.8267 ppm	-0.0011 ppm	0.0222 ppm	0.0021 ppm	-0.0040 ppm	-0.0001 ppm
Concentration per Run 2	0.0054 ppm	0.8422 ppm	0.0001 ppm	0.0220 ppm	0.0032 ppm	-0.0027 ppm	-0.0011 ppm
Concentration per Run 3	0.0113 ppm	0.8248 ppm	-0.0011 ppm	0.0218 ppm	0.0033 ppm	-0.0051 ppm	0.0003 ppm
Concentration RSD	76.3 %	1.1 %	102.4 %	0.9 %	23.4 %	29.4 %	259.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0419 ppm	108.7912 %	98.7348 %	104.2670 %	106.2082 %	97.7461 %	103.0488 %
Concentration per Run 1	0.0421 ppm	110.2371 %	98.0426 %	104.9739 %	108.0149 %	97.4995 %	103.2061 %
Concentration per Run 2	0.0417 ppm	107.6516 %	98.9621 %	104.5853 %	104.9500 %	97.4452 %	103.9452 %
Concentration per Run 3	0.0420 ppm	108.4848 %	99.1996 %	103.2417 %	105.6597 %	98.2937 %	101.9950 %
Concentration RSD	0.5 %	1.2 %	0.6 %	0.9 %	1.5 %	0.5 %	1.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555847-03 WG2112414

Analysis started at: 9/10/2025 8:20:08 PM

Rack 1

Vial 25

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0016 ppm	0.0415 ppm	-0.0034 ppm	0.0217 ppm	0.0271 ppm	0.0000 ppm	34.0325 ppm
Concentration per Run 1	-0.0021 ppm	0.0329 ppm	-0.0029 ppm	0.0218 ppm	0.0253 ppm	0.0000 ppm	31.8566 ppm
Concentration per Run 2	-0.0009 ppm	0.0410 ppm	-0.0044 ppm	0.0224 ppm	0.0287 ppm	0.0000 ppm	36.1189 ppm
Concentration per Run 3	-0.0019 ppm	0.0507 ppm	-0.0031 ppm	0.0211 ppm	0.0274 ppm	-0.0001 ppm	34.1224 ppm
Concentration RSD	40.4 %	21.5 %	24.1 %	3.1 %	6.4 %	35.5 %	6.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0004 ppm	0.0010 ppm	0.0017 ppm	0.0148 ppm	0.5516 ppm	0.0004 ppm
Concentration per Run 1	-0.0004 ppm	-0.0016 ppm	0.0013 ppm	0.0024 ppm	0.0130 ppm	0.5254 ppm	0.0004 ppm
Concentration per Run 2	-0.0003 ppm	0.0006 ppm	0.0002 ppm	0.0010 ppm	0.0147 ppm	0.5790 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0017 ppm	0.0019 ppm	0.0166 ppm	0.5504 ppm	0.0005 ppm
Concentration RSD	76.1 %	264.5 %	77.1 %	39.9 %	12.1 %	4.9 %	15.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.7185 ppm	0.0717 ppm	-0.0007 ppm	134.6738 ppm	0.0018 ppm	0.0020 ppm	-0.0020 ppm
Concentration per Run 1	0.7176 ppm	0.0670 ppm	0.0002 ppm	125.4306 ppm	0.0006 ppm	0.0004 ppm	-0.0035 ppm
Concentration per Run 2	0.7203 ppm	0.0761 ppm	0.0001 ppm	143.0760 ppm	0.0011 ppm	0.0022 ppm	-0.0013 ppm
Concentration per Run 3	0.7176 ppm	0.0720 ppm	-0.0025 ppm	135.5147 ppm	0.0039 ppm	0.0035 ppm	-0.0010 ppm
Concentration RSD	0.2 %	6.3 %	206.7 %	6.6 %	96.5 %	76.9 %	68.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0049 ppm	1.6689 ppm	-0.0012 ppm	0.1877 ppm	0.0019 ppm	0.0020 ppm	0.0005 ppm
Concentration per Run 1	0.0019 ppm	1.6680 ppm	-0.0028 ppm	0.1761 ppm	0.0017 ppm	0.0057 ppm	0.0006 ppm
Concentration per Run 2	0.0055 ppm	1.6726 ppm	0.0007 ppm	0.1978 ppm	0.0022 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run 3	0.0073 ppm	1.6662 ppm	-0.0015 ppm	0.1890 ppm	0.0019 ppm	0.0007 ppm	0.0010 ppm
Concentration RSD	56.3 %	0.2 %	146.6 %	5.8 %	12.3 %	161.7 %	124.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0001 ppm	108.6836 %	98.0060 %	104.2088 %	105.3252 %	96.7686 %	103.5431 %
Concentration per Run 1	-0.0005 ppm	108.0277 %	104.1393 %	104.4832 %	104.4723 %	102.9296 %	103.2450 %
Concentration per Run 2	0.0001 ppm	109.2734 %	92.8843 %	103.3635 %	106.2625 %	91.0189 %	102.7770 %
Concentration per Run 3	0.0000 ppm	108.7497 %	96.9943 %	104.7798 %	105.2407 %	96.3573 %	104.6073 %
Concentration RSD	218.3 %	0.6 %	5.8 %	0.7 %	0.9 %	6.2 %	0.9 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

CCV

Sample:

Analysis started at: 9/10/2025 8:24:12 PM

Rack

Vial

Comment

0

3

<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4903 ppm	0.4767 ppm	0.4804 ppm	0.5012 ppm	0.4955 ppm	0.5066 ppm	0.5038 ppm
Concentration per Run 1	0.4566 ppm	0.4761 ppm	0.4916 ppm	0.4663 ppm	0.4914 ppm	0.5043 ppm	0.5003 ppm
Concentration per Run 2	0.5141 ppm	0.4729 ppm	0.4717 ppm	0.5277 ppm	0.4983 ppm	0.5090 ppm	0.5029 ppm
Concentration per Run 3	0.5002 ppm	0.4811 ppm	0.4779 ppm	0.5095 ppm	0.4967 ppm	0.5065 ppm	0.5082 ppm
Recovery Percentage 1	98.058 %	95.340 %	96.081 %	100.234 %	99.090 %	101.322 %	100.760 %
Concentration RSD	6.1 %	0.9 %	2.1 %	6.3 %	0.7 %	0.5 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5129 ppm	0.5147 ppm	0.5132 ppm	0.5031 ppm	0.4965 ppm	5.1244 ppm	0.5166 ppm
Concentration per Run 1	0.4792 ppm	0.4793 ppm	0.4786 ppm	0.4686 ppm	0.4943 ppm	5.0982 ppm	0.5131 ppm
Concentration per Run 2	0.5393 ppm	0.5411 ppm	0.5396 ppm	0.5298 ppm	0.4979 ppm	5.1331 ppm	0.5216 ppm
Concentration per Run 3	0.5201 ppm	0.5237 ppm	0.5213 ppm	0.5109 ppm	0.4973 ppm	5.1418 ppm	0.5151 ppm
Recovery Percentage 1	102.575 %	102.937 %	102.631 %	100.625 %	99.302 %	102.488 %	103.317 %
Concentration RSD	6.0 %	6.2 %	6.1 %	6.2 %	0.4 %	0.4 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5087 ppm	0.5121 ppm	0.5043 ppm	10.2347 ppm	0.5131 ppm	0.5061 ppm	0.5103 ppm
Concentration per Run 1	0.4741 ppm	0.5071 ppm	0.4679 ppm	10.1834 ppm	0.4780 ppm	0.5138 ppm	0.4743 ppm
Concentration per Run 2	0.5354 ppm	0.5142 ppm	0.5317 ppm	10.2116 ppm	0.5392 ppm	0.5020 ppm	0.5409 ppm
Concentration per Run 3	0.5165 ppm	0.5151 ppm	0.5134 ppm	10.3089 ppm	0.5223 ppm	0.5023 ppm	0.5157 ppm
Recovery Percentage 1	101.738 %	102.425 %	100.868 %	102.347 %	102.629 %	101.210 %	102.063 %
Concentration RSD	6.2 %	0.9 %	6.5 %	0.6 %	6.2 %	1.3 %	6.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4880 ppm	5.3526 ppm	0.4997 ppm	0.5001 ppm	0.5087 ppm	0.4911 ppm	0.5151 ppm
Concentration per Run 1	0.4965 ppm	4.9622 ppm	0.4640 ppm	0.4956 ppm	0.4734 ppm	0.5003 ppm	0.4783 ppm
Concentration per Run 2	0.4860 ppm	5.6451 ppm	0.5298 ppm	0.5028 ppm	0.5348 ppm	0.4904 ppm	0.5425 ppm
Concentration per Run 3	0.4815 ppm	5.4507 ppm	0.5053 ppm	0.5018 ppm	0.5178 ppm	0.4826 ppm	0.5244 ppm
Recovery Percentage 1	97.595 %	101.955 %	99.943 %	100.012 %	101.734 %	98.228 %	103.015 %
Concentration RSD	1.6 %	6.6 %	6.7 %	0.8 %	6.2 %	1.8 %	6.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5201 ppm	104.3447 %	101.1299 %	101.9738 %	101.4144 %	99.6283 %	100.5274 %
Concentration per Run 1	0.4848 ppm	111.2036 %	101.2698 %	100.1342 %	109.4529 %	99.2628 %	99.3138 %
Concentration per Run 2	0.5468 ppm	99.2905 %	100.7158 %	102.2887 %	95.1215 %	99.2927 %	100.7790 %
Concentration per Run 3	0.5288 ppm	102.5400 %	101.4040 %	103.4985 %	99.6689 %	100.3294 %	101.4894 %
Recovery Percentage 1	104.026 %						
Concentration RSD	6.1 %	5.9 %	0.4 %	1.7 %	7.2 %	0.6 %	1.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/10/2025 8:27:26 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0012 ppm	-0.0121 ppm	-0.0022 ppm	-0.0023 ppm	-0.0001 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run 1	-0.0005 ppm	-0.0117 ppm	-0.0025 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 2	-0.0020 ppm	-0.0106 ppm	-0.0015 ppm	-0.0039 ppm	-0.0001 ppm	0.0000 ppm	-0.0062 ppm
Concentration per Run 3	-0.0013 ppm	-0.0140 ppm	-0.0026 ppm	-0.0028 ppm	-0.0002 ppm	0.0000 ppm	0.0022 ppm
Recovery Percentage 1	-17.830 %	-12.103 %	-44.257 %	-7.687 %	-0.860 %	-0.253 %	-1.083 %
Concentration RSD	61.3 %	14.1 %	29.1 %	81.9 %	128.5 %	272.3 %	417.0 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0005 ppm	-0.0012 ppm	-0.0267 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	-0.0005 ppm	0.0016 ppm	0.0002 ppm	-0.0035 ppm	-0.0342 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0009 ppm	0.0003 ppm	0.0002 ppm	-0.0256 ppm	0.0010 ppm
Concentration per Run 3	-0.0001 ppm	0.0009 ppm	-0.0002 ppm	0.0010 ppm	-0.0003 ppm	-0.0204 ppm	0.0015 ppm
Recovery Percentage 1	-0.137 %	0.598 %	7.525 %	5.124 %	-2.433 %	-1.069 %	19.403 %
Concentration RSD	979.6 %	566.1 %	119.7 %	82.7 %	163.3 %	26.2 %	60.5 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0105 ppm	0.0001 ppm	0.0019 ppm	-0.0277 ppm	-0.0005 ppm	0.0033 ppm	0.0029 ppm
Concentration per Run 1	0.0148 ppm	-0.0002 ppm	0.0028 ppm	-0.0320 ppm	-0.0022 ppm	0.0023 ppm	0.0050 ppm
Concentration per Run 2	0.0084 ppm	0.0002 ppm	0.0015 ppm	-0.0300 ppm	-0.0002 ppm	0.0023 ppm	0.0023 ppm
Concentration per Run 3	0.0084 ppm	0.0002 ppm	0.0015 ppm	-0.0212 ppm	0.0009 ppm	0.0054 ppm	0.0015 ppm
Recovery Percentage 1	10.548 %	0.825 %	3.852 %	-1.386 %	-2.151 %	33.047 %	5.897 %
Concentration RSD	35.0 %	250.7 %	40.6 %	20.9 %	292.7 %	54.6 %	62.9 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0027 ppm	-0.0066 ppm	-0.0017 ppm	0.0000 ppm	0.0021 ppm	0.0017 ppm	0.0008 ppm
Concentration per Run 1	0.0029 ppm	-0.0059 ppm	-0.0001 ppm	0.0001 ppm	0.0024 ppm	0.0009 ppm	0.0012 ppm
Concentration per Run 2	0.0013 ppm	-0.0099 ppm	-0.0030 ppm	0.0000 ppm	0.0019 ppm	0.0028 ppm	0.0009 ppm
Concentration per Run 3	0.0040 ppm	-0.0040 ppm	-0.0018 ppm	0.0000 ppm	0.0019 ppm	0.0015 ppm	0.0003 ppm
Recovery Percentage 1	27.145 %	-1.318 %	-3.306 %	0.291 %	20.741 %	8.696 %	7.953 %
Concentration RSD	49.7 %	45.3 %	88.4 %	175.9 %	12.6 %	57.3 %	63.2 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.0003 ppm	105.8600 %	98.8092 %	102.5770 %	104.3207 %	99.1278 %	102.1773 %
Concentration per Run 1	0.0001 ppm	105.4883 %	98.4769 %	102.3305 %	103.6870 %	99.1854 %	102.0487 %
Concentration per Run 2	0.0005 ppm	105.4448 %	98.9025 %	103.0358 %	104.0094 %	98.8832 %	102.4292 %
Concentration per Run 3	0.0005 ppm	106.6470 %	99.0482 %	102.3647 %	105.2657 %	99.3149 %	102.0541 %
Recovery Percentage 1	6.829 %	0.6 %	0.3 %	0.4 %	0.8 %	0.2 %	0.2 %
Concentration RSD	61.6 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113110-1 WG2113110

Analysis started at: 9/10/2025 8:52:33 PM

Rack 1

Vial 26

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0019 ppm	-0.0078 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0429 ppm
Concentration per Run 1	-0.0016 ppm	-0.0055 ppm	0.0010 ppm	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0432 ppm
Concentration per Run 2	-0.0019 ppm	-0.0027 ppm	-0.0001 ppm	0.0019 ppm	0.0000 ppm	-0.0001 ppm	0.0375 ppm
Concentration per Run 3	-0.0023 ppm	-0.0151 ppm	-0.0023 ppm	-0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0478 ppm
Recovery Percentage 1	-27.403 %	-7.804 %	-9.577 %	0.377 %	0.072 %	-0.961 %	42.874 %
Concentration RSD	18.7 %	83.4 %	354.4 %	1.551.1 %	1.021.1 %	137.7 %	12.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0004 ppm	-0.0007 ppm	0.0008 ppm	0.0026 ppm	-0.0234 ppm	0.0009 ppm
Concentration per Run 1	-0.0003 ppm	0.0007 ppm	-0.0021 ppm	0.0022 ppm	0.0016 ppm	-0.0029 ppm	0.0013 ppm
Concentration per Run 2	-0.0004 ppm	0.0003 ppm	0.0006 ppm	-0.0003 ppm	0.0030 ppm	-0.0293 ppm	-0.0009 ppm
Concentration per Run 3	-0.0002 ppm	-0.0020 ppm	-0.0007 ppm	0.0006 ppm	0.0033 ppm	-0.0380 ppm	0.0020 ppm
Recovery Percentage 1	-6.065 %	-1.758 %	-7.014 %	8.354 %	5.275 %	-0.936 %	18.376 %
Concentration RSD	35.3 %	419.3 %	193.7 %	147.7 %	33.9 %	78.0 %	139.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0114 ppm	0.0001 ppm	0.0003 ppm	0.1423 ppm	0.0016 ppm	0.0062 ppm	0.0028 ppm
Concentration per Run 1	0.0124 ppm	0.0002 ppm	0.0016 ppm	0.1442 ppm	0.0022 ppm	0.0056 ppm	0.0069 ppm
Concentration per Run 2	0.0141 ppm	0.0000 ppm	0.0000 ppm	0.1430 ppm	0.0001 ppm	0.0063 ppm	0.0063 ppm
Concentration per Run 3	0.0077 ppm	0.0001 ppm	-0.0008 ppm	0.1397 ppm	0.0026 ppm	0.0063 ppm	-0.0047 ppm
Recovery Percentage 1	11.385 %	1.222 %	0.556 %	7.114 %	6.509 %	61.570 %	5.646 %
Concentration RSD	29.3 %	103.7 %	429.1 %	1.6 %	82.7 %	8.6 %	230.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	-0.0004 ppm	0.0064 ppm	-0.0015 ppm	0.0001 ppm	0.0015 ppm	0.0036 ppm	-0.0001 ppm
Concentration per Run 1	-0.0008 ppm	0.0051 ppm	-0.0008 ppm	0.0000 ppm	0.0017 ppm	0.0031 ppm	0.0003 ppm
Concentration per Run 2	0.0008 ppm	0.0095 ppm	-0.0004 ppm	0.0000 ppm	0.0016 ppm	0.0028 ppm	-0.0005 ppm
Concentration per Run 3	-0.0011 ppm	0.0047 ppm	-0.0033 ppm	0.0001 ppm	0.0012 ppm	0.0049 ppm	-0.0002 ppm
Recovery Percentage 1	-3.726 %	1.289 %	-2.983 %	0.566 %	14.809 %	18.059 %	-1.301 %
Concentration RSD	271.9 %	41.2 %	104.8 %	113.7 %	18.6 %	30.1 %	283.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0015 ppm	104.1703 %	98.9704 %	100.1805 %	102.2402 %	99.4373 %	100.1516 %
Concentration per Run 1	0.0012 ppm	104.3666 %	100.3459 %	100.0275 %	102.2832 %	100.5172 %	99.4876 %
Concentration per Run 2	0.0020 ppm	103.5783 %	97.8591 %	99.8650 %	101.5380 %	98.7936 %	100.2085 %
Concentration per Run 3	0.0014 ppm	104.5360 %	98.7063 %	100.6489 %	102.8993 %	99.0009 %	100.7585 %
Recovery Percentage 1	30.307 %	0.5 %	1.3 %	0.4 %	0.7 %	0.9 %	0.6 %
Concentration RSD	25.7 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113110-2 WG2113110

Analysis started at: 9/10/2025 8:56:00 PM

Rack 1

Vial 27

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0463 ppm	2.0214 ppm	0.1140 ppm	0.9972 ppm	1.9806 ppm	0.0509 ppm	10.3528 ppm
Concentration per Run 1	0.0466 ppm	2.0311 ppm	0.1119 ppm	0.9940 ppm	1.9741 ppm	0.0507 ppm	10.3883 ppm
Concentration per Run 2	0.0454 ppm	2.0106 ppm	0.1146 ppm	0.9980 ppm	1.9757 ppm	0.0508 ppm	10.3232 ppm
Concentration per Run 3	0.0469 ppm	2.0226 ppm	0.1155 ppm	0.9997 ppm	1.9919 ppm	0.0512 ppm	10.3469 ppm
Concentration RSD	1.8 %	0.5 %	1.7 %	0.3 %	0.5 %	0.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0528 ppm	0.4901 ppm	0.1973 ppm	0.2386 ppm	0.9927 ppm	10.3103 ppm	0.0011 ppm
Concentration per Run 1	0.0529 ppm	0.4866 ppm	0.1966 ppm	0.2397 ppm	0.9926 ppm	10.2676 ppm	0.0018 ppm
Concentration per Run 2	0.0530 ppm	0.4934 ppm	0.1962 ppm	0.2386 ppm	0.9878 ppm	10.2565 ppm	-0.0008 ppm
Concentration per Run 3	0.0526 ppm	0.4903 ppm	0.1991 ppm	0.2376 ppm	0.9978 ppm	10.4067 ppm	0.0022 ppm
Concentration RSD	0.4 %	0.7 %	0.8 %	0.4 %	0.5 %	0.8 %	153.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.8397 ppm	0.5087 ppm	0.9904 ppm	10.3907 ppm	0.4937 ppm	0.5188 ppm	0.4450 ppm
Concentration per Run 1	9.8160 ppm	0.5093 ppm	0.9796 ppm	10.3463 ppm	0.4879 ppm	0.5137 ppm	0.4362 ppm
Concentration per Run 2	9.8636 ppm	0.5069 ppm	0.9962 ppm	10.3793 ppm	0.4963 ppm	0.5262 ppm	0.4402 ppm
Concentration per Run 3	9.8396 ppm	0.5098 ppm	0.9953 ppm	10.4466 ppm	0.4969 ppm	0.5165 ppm	0.4585 ppm
Concentration RSD	0.2 %	0.3 %	0.9 %	0.5 %	1.0 %	1.3 %	2.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1209 ppm	0.6781 ppm	0.9617 ppm	0.9870 ppm	0.9943 ppm	0.1166 ppm	0.5029 ppm
Concentration per Run 1	0.1208 ppm	0.6660 ppm	0.9559 ppm	0.9858 ppm	0.9933 ppm	0.1128 ppm	0.5034 ppm
Concentration per Run 2	0.1216 ppm	0.6852 ppm	0.9651 ppm	0.9837 ppm	0.9910 ppm	0.1179 ppm	0.5038 ppm
Concentration per Run 3	0.1202 ppm	0.6832 ppm	0.9641 ppm	0.9917 ppm	0.9987 ppm	0.1189 ppm	0.5015 ppm
Concentration RSD	0.6 %	1.6 %	0.5 %	0.4 %	0.4 %	2.8 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5039 ppm	106.5018 %	98.8782 %	103.9501 %	98.0023 %	101.5556 %
Concentration per Run 1	0.5013 ppm	107.2055 %	98.8089 %	102.9077 %	98.2584 %	101.1398 %
Concentration per Run 2	0.5049 ppm	105.9744 %	99.5938 %	103.1339 %	98.4832 %	101.7795 %
Concentration per Run 3	0.5054 ppm	106.3254 %	98.2319 %	102.6948 %	97.2652 %	101.7475 %
Concentration RSD	0.4 %	0.6 %	0.7 %	0.2 %	0.3 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2553860-02 WG2113110

Analysis started at: 9/10/2025 8:59:12 PM

Rack 1

Vial 28

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0070 ppm	-0.0002 ppm	0.0175 ppm	0.0322 ppm	0.0000 ppm	195.7615 ppm
Concentration per Run 1	-0.0004 ppm	-0.0204 ppm	-0.0013 ppm	0.0174 ppm	0.0322 ppm	0.0000 ppm	196.3735 ppm
Concentration per Run 2	-0.0006 ppm	-0.0023 ppm	0.0006 ppm	0.0169 ppm	0.0321 ppm	0.0000 ppm	196.0083 ppm
Concentration per Run 3	-0.0006 ppm	0.0017 ppm	0.0003 ppm	0.0181 ppm	0.0323 ppm	0.0000 ppm	194.9026 ppm
Concentration RSD	17.3 %	169.1 %	643.2 %	3.4 %	0.3 %	69.7 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0014 ppm	0.0007 ppm	0.0025 ppm	0.0005 ppm	0.0008 ppm	1.8298 ppm	0.0033 ppm
Concentration per Run 1	-0.0009 ppm	0.0016 ppm	0.0032 ppm	0.0007 ppm	0.0011 ppm	1.8357 ppm	0.0039 ppm
Concentration per Run 2	-0.0018 ppm	0.0002 ppm	0.0026 ppm	0.0007 ppm	-0.0002 ppm	1.8188 ppm	0.0032 ppm
Concentration per Run 3	-0.0016 ppm	0.0004 ppm	0.0017 ppm	0.0001 ppm	0.0016 ppm	1.8348 ppm	0.0029 ppm
Concentration RSD	34.5 %	102.5 %	30.4 %	71.1 %	111.1 %	0.5 %	15.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.1333 ppm	0.2851 ppm	0.0045 ppm	1.2439 ppm	0.0039 ppm	0.0037 ppm	0.0089 ppm
Concentration per Run 1	5.1213 ppm	0.2860 ppm	0.0053 ppm	1.2493 ppm	0.0025 ppm	0.0064 ppm	0.0096 ppm
Concentration per Run 2	5.1511 ppm	0.2867 ppm	0.0040 ppm	1.2388 ppm	0.0047 ppm	0.0028 ppm	0.0073 ppm
Concentration per Run 3	5.1275 ppm	0.2826 ppm	0.0043 ppm	1.2437 ppm	0.0046 ppm	0.0020 ppm	0.0098 ppm
Concentration RSD	0.3 %	0.8 %	15.5 %	0.4 %	32.0 %	62.9 %	15.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0061 ppm	3.1675 ppm	0.0005 ppm	0.3354 ppm	0.0019 ppm	0.0070 ppm	0.0016 ppm
Concentration per Run 1	0.0066 ppm	3.1577 ppm	-0.0001 ppm	0.3367 ppm	0.0024 ppm	0.0038 ppm	0.0020 ppm
Concentration per Run 2	0.0046 ppm	3.1650 ppm	0.0002 ppm	0.3336 ppm	0.0006 ppm	0.0105 ppm	0.0018 ppm
Concentration per Run 3	0.0070 ppm	3.1796 ppm	0.0015 ppm	0.3357 ppm	0.0026 ppm	0.0067 ppm	0.0012 ppm
Concentration RSD	20.8 %	0.4 %	156.7 %	0.5 %	57.9 %	47.9 %	24.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0287 ppm	106.4443 %	99.2277 %	101.3695 %	104.6553 %	98.0242 %	101.1677 %
Concentration per Run 1	0.0287 ppm	106.9397 %	98.9899 %	101.0180 %	104.5682 %	98.2799 %	101.6102 %
Concentration per Run 2	0.0287 ppm	106.1005 %	99.4260 %	101.6492 %	104.1778 %	98.2072 %	100.9316 %
Concentration per Run 3	0.0287 ppm	106.2927 %	99.2673 %	101.4413 %	105.2199 %	97.5854 %	100.9614 %
Concentration RSD	0.1 %	0.4 %	0.2 %	0.3 %	0.5 %	0.4 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113110-3.WG2113110

Analysis started at: 9/10/2025 9:02:25 PM

Rack 1

Vial 29

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0480 ppm	2.0190 ppm	0.1197 ppm	0.9998 ppm	2.0070 ppm	0.0505 ppm	203.1861 ppm
Concentration per Run 1	0.0479 ppm	2.0136 ppm	0.1184 ppm	1.0036 ppm	2.0089 ppm	0.0503 ppm	202.3113 ppm
Concentration per Run 2	0.0481 ppm	2.0270 ppm	0.1225 ppm	0.9909 ppm	2.0148 ppm	0.0507 ppm	203.1083 ppm
Concentration per Run 3	0.0480 ppm	2.0163 ppm	0.1181 ppm	1.0048 ppm	1.9973 ppm	0.0504 ppm	204.1389 ppm
Concentration RSD	0.2 %	0.4 %	2.0 %	0.8 %	0.4 %	0.3 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0498 ppm	0.4757 ppm	0.1939 ppm	0.2489 ppm	0.9683 ppm	12.2555 ppm	0.0037 ppm
Concentration per Run 1	0.0496 ppm	0.4731 ppm	0.1928 ppm	0.2491 ppm	0.9669 ppm	12.1987 ppm	0.0026 ppm
Concentration per Run 2	0.0499 ppm	0.4782 ppm	0.1945 ppm	0.2490 ppm	0.9694 ppm	12.3283 ppm	0.0038 ppm
Concentration per Run 3	0.0501 ppm	0.4756 ppm	0.1944 ppm	0.2486 ppm	0.9686 ppm	12.2394 ppm	0.0030 ppm
Concentration RSD	0.5 %	0.5 %	0.5 %	0.1 %	0.1 %	0.5 %	19.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.7154 ppm	0.7815 ppm	0.9692 ppm	11.6610 ppm	0.4823 ppm	0.5215 ppm	0.4379 ppm
Concentration per Run 1	14.6816 ppm	0.7738 ppm	0.9644 ppm	11.7129 ppm	0.4812 ppm	0.5188 ppm	0.4364 ppm
Concentration per Run 2	14.7863 ppm	0.7865 ppm	0.9737 ppm	11.6138 ppm	0.4803 ppm	0.5263 ppm	0.4383 ppm
Concentration per Run 3	14.6784 ppm	0.7843 ppm	0.9696 ppm	11.6565 ppm	0.4854 ppm	0.5192 ppm	0.4389 ppm
Concentration RSD	0.4 %	0.9 %	0.5 %	0.4 %	0.6 %	0.8 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1217 ppm	3.8303 ppm	0.9419 ppm	1.3074 ppm	0.9833 ppm	0.1201 ppm	0.5011 ppm
Concentration per Run 1	0.1210 ppm	3.8249 ppm	0.9449 ppm	1.3071 ppm	0.9802 ppm	0.1189 ppm	0.4995 ppm
Concentration per Run 2	0.1258 ppm	3.8250 ppm	0.9465 ppm	1.3131 ppm	0.9844 ppm	0.1184 ppm	0.5028 ppm
Concentration per Run 3	0.1184 ppm	3.8410 ppm	0.9341 ppm	1.3019 ppm	0.9854 ppm	0.1230 ppm	0.5010 ppm
Concentration RSD	3.1 %	0.2 %	0.7 %	0.4 %	0.3 %	2.1 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5130 ppm	107.5645 %	98.6697 %	101.7429 %	105.0846 %	97.6960 %	100.8771 %
Concentration per Run 1	0.5114 ppm	107.5934 %	98.8228 %	101.6716 %	104.9878 %	97.5369 %	101.1014 %
Concentration per Run 2	0.5150 ppm	107.8026 %	98.3570 %	101.9384 %	105.5128 %	97.5642 %	100.9244 %
Concentration per Run 3	0.5125 ppm	107.2976 %	98.8294 %	101.6186 %	104.7532 %	97.9870 %	100.6055 %
Concentration RSD	0.4 %	0.2 %	0.3 %	0.2 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2113110-4.WG2113110

Analysis started at: 9/10/2025 9:05:38 PM

Rack 1

Vial 30

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0489 ppm	2.0305 ppm	0.1154 ppm	1.0184 ppm	2.0210 ppm	0.0507 ppm	202.5400 ppm
Concentration per Run 1	0.0483 ppm	2.0344 ppm	0.1132 ppm	1.0080 ppm	2.0243 ppm	0.0508 ppm	201.9886 ppm
Concentration per Run 2	0.0489 ppm	2.0344 ppm	0.1158 ppm	1.0213 ppm	2.0137 ppm	0.0506 ppm	203.6495 ppm
Concentration per Run 3	0.0496 ppm	2.0226 ppm	0.1173 ppm	1.0259 ppm	2.0249 ppm	0.0508 ppm	201.9820 ppm
Concentration RSD	1.3 %	0.3 %	1.8 %	0.9 %	0.3 %	0.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0505 ppm	0.4824 ppm	0.1981 ppm	0.2532 ppm	0.9718 ppm	12.3203 ppm	0.0029 ppm
Concentration per Run 1	0.0501 ppm	0.4813 ppm	0.1950 ppm	0.2523 ppm	0.9689 ppm	12.3051 ppm	0.0026 ppm
Concentration per Run 2	0.0507 ppm	0.4839 ppm	0.2003 ppm	0.2537 ppm	0.9684 ppm	12.2857 ppm	0.0035 ppm
Concentration per Run 3	0.0506 ppm	0.4819 ppm	0.1990 ppm	0.2535 ppm	0.9783 ppm	12.3701 ppm	0.0027 ppm
Concentration RSD	0.6 %	0.3 %	1.4 %	0.3 %	0.6 %	0.4 %	18.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.8608 ppm	0.7853 ppm	0.9909 ppm	11.8231 ppm	0.4910 ppm	0.5323 ppm	0.4648 ppm
Concentration per Run 1	14.7826 ppm	0.7849 ppm	0.9832 ppm	11.8273 ppm	0.4860 ppm	0.5351 ppm	0.4541 ppm
Concentration per Run 2	14.9371 ppm	0.7873 ppm	0.9958 ppm	11.8297 ppm	0.4867 ppm	0.5302 ppm	0.4659 ppm
Concentration per Run 3	14.8626 ppm	0.7836 ppm	0.9937 ppm	11.8123 ppm	0.4903 ppm	0.5315 ppm	0.4743 ppm
Concentration RSD	0.5 %	0.2 %	0.7 %	0.1 %	1.1 %	0.5 %	2.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1243 ppm	3.8455 ppm	0.9656 ppm	1.3159 ppm	1.0025 ppm	0.1221 ppm	0.5070 ppm
Concentration per Run 1	0.1252 ppm	3.8252 ppm	0.9600 ppm	1.3193 ppm	0.9883 ppm	0.1226 ppm	0.5039 ppm
Concentration per Run 2	0.1245 ppm	3.8530 ppm	0.9750 ppm	1.3106 ppm	1.0047 ppm	0.1204 ppm	0.5102 ppm
Concentration per Run 3	0.1231 ppm	3.8584 ppm	0.9618 ppm	1.3179 ppm	1.0045 ppm	0.1234 ppm	0.5068 ppm
Concentration RSD	0.9 %	0.5 %	0.9 %	0.4 %	0.4 %	1.3 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5180 ppm	106.1862 %	98.2461 %	101.3747 %	103.5169 %	97.0983 %	100.7471 %
Concentration per Run 1	0.5101 ppm	106.5761 %	97.7622 %	101.3366 %	103.4973 %	97.0302 %	100.6037 %
Concentration per Run 2	0.5245 ppm	105.9317 %	98.1755 %	101.2788 %	103.4408 %	97.0773 %	100.9693 %
Concentration per Run 3	0.5193 ppm	106.0509 %	98.8007 %	101.5086 %	103.6127 %	97.1875 %	100.6683 %
Concentration RSD	1.4 %	0.3 %	0.5 %	0.1 %	0.1 %	0.1 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2553860-01 WG2113110

Analysis started at: 9/10/2025 9:08:51 PM

Rack 1

Vial 31

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0018 ppm	-0.0075 ppm	-0.0002 ppm	0.0240 ppm	0.0245 ppm	0.0000 ppm	205.8117 ppm
Concentration per Run 1	-0.0020 ppm	-0.0010 ppm	-0.0010 ppm	0.0249 ppm	0.0245 ppm	-0.0001 ppm	204.6334 ppm
Concentration per Run 2	-0.0026 ppm	-0.0070 ppm	-0.0007 ppm	0.0230 ppm	0.0243 ppm	-0.0001 ppm	204.6828 ppm
Concentration per Run 3	-0.0009 ppm	-0.0144 ppm	0.0012 ppm	0.0242 ppm	0.0247 ppm	0.0000 ppm	208.1189 ppm
Concentration RSD	47.8 %	89.7 %	668.4 %	4.0 %	0.8 %	68.5 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0015 ppm	0.0004 ppm	0.0008 ppm	0.0001 ppm	0.0026 ppm	3.4520 ppm	0.0042 ppm
Concentration per Run 1	-0.0014 ppm	0.0009 ppm	0.0006 ppm	0.0006 ppm	0.0012 ppm	0.0049 ppm	0.0049 ppm
Concentration per Run 2	-0.0015 ppm	-0.0008 ppm	0.0004 ppm	-0.0002 ppm	0.0035 ppm	3.4202 ppm	0.0042 ppm
Concentration per Run 3	-0.0016 ppm	0.0009 ppm	0.0007 ppm	0.0001 ppm	0.0032 ppm	3.4626 ppm	0.0034 ppm
Concentration RSD	8.5 %	271.2 %	31.7 %	293.7 %	46.7 %	0.8 %	18.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.0348 ppm	0.1144 ppm	0.0046 ppm	2.0492 ppm	0.0033 ppm	0.0009 ppm	0.0190 ppm
Concentration per Run 1	3.0461 ppm	0.1133 ppm	0.0060 ppm	2.0320 ppm	0.0041 ppm	-0.0007 ppm	0.0180 ppm
Concentration per Run 2	3.0308 ppm	0.1142 ppm	0.0036 ppm	2.0415 ppm	0.0031 ppm	0.0021 ppm	0.0205 ppm
Concentration per Run 3	3.0276 ppm	0.1157 ppm	0.0043 ppm	2.0741 ppm	0.0028 ppm	0.0013 ppm	0.0185 ppm
Concentration RSD	0.3 %	1.1 %	26.3 %	1.1 %	21.3 %	157.7 %	6.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	2.0932 ppm	0.0002 ppm	1.0162 ppm	0.0030 ppm	0.0055 ppm	0.0009 ppm
Concentration per Run 1	0.0029 ppm	2.0815 ppm	-0.0006 ppm	1.0138 ppm	0.0025 ppm	0.0029 ppm	0.0009 ppm
Concentration per Run 2	0.0006 ppm	2.0901 ppm	0.0002 ppm	1.0109 ppm	0.0030 ppm	0.0028 ppm	0.0010 ppm
Concentration per Run 3	0.0053 ppm	2.1081 ppm	0.0011 ppm	1.0240 ppm	0.0033 ppm	0.0109 ppm	0.0008 ppm
Concentration RSD	78.5 %	0.6 %	375.5 %	0.7 %	14.7 %	83.0 %	15.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0072 ppm	107.3339 %	100.3840 %	101.9643 %	104.4092 %	99.0875 %	101.2776 %
Concentration per Run 1	0.0073 ppm	107.9038 %	101.5526 %	102.0830 %	104.2170 %	100.2572 %	101.3121 %
Concentration per Run 2	0.0073 ppm	106.3295 %	100.1529 %	101.9296 %	104.0778 %	98.7926 %	101.0696 %
Concentration per Run 3	0.0070 ppm	107.7685 %	99.4464 %	101.8803 %	104.9327 %	98.2127 %	101.4510 %
Concentration RSD	2.3 %	0.8 %	1.1 %	0.1 %	0.4 %	1.1 %	0.2 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2553860-05 WG2113110

Analysis started at: 9/10/2025 9:12:05 PM

Rack 1

Vial 32

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0019 ppm	-0.0108 ppm	-0.0003 ppm	0.0147 ppm	0.0774 ppm	0.0000 ppm	196.7672 ppm
Concentration per Run 1	-0.0032 ppm	-0.0111 ppm	-0.0026 ppm	0.0120 ppm	0.0771 ppm	-0.0001 ppm	197.3863 ppm
Concentration per Run 2	-0.0016 ppm	-0.0050 ppm	0.0012 ppm	0.0158 ppm	0.0775 ppm	0.0000 ppm	196.3828 ppm
Concentration per Run 3	-0.0010 ppm	-0.0163 ppm	0.0005 ppm	0.0162 ppm	0.0775 ppm	0.0000 ppm	196.5328 ppm
Concentration RSD	60.0 %	52.3 %	683.8 %	15.6 %	0.3 %	110.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0011 ppm	0.0016 ppm	-0.0001 ppm	0.0014 ppm	0.0008 ppm	1.2526 ppm	0.0020 ppm
Concentration per Run 1	-0.0011 ppm	0.0020 ppm	0.0003 ppm	0.0016 ppm	0.0022 ppm	0.0030 ppm	0.0030 ppm
Concentration per Run 2	-0.0011 ppm	0.0005 ppm	-0.0004 ppm	0.0012 ppm	-0.0005 ppm	1.2451 ppm	0.0013 ppm
Concentration per Run 3	-0.0012 ppm	0.0022 ppm	-0.0003 ppm	0.0013 ppm	0.0007 ppm	1.2475 ppm	0.0016 ppm
Concentration RSD	3.7 %	60.8 %	273.1 %	16.1 %	166.1 %	0.9 %	47.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.6885 ppm	0.3732 ppm	0.0000 ppm	1.2166 ppm	0.0018 ppm	0.0086 ppm	0.0072 ppm
Concentration per Run 1	1.6917 ppm	0.3752 ppm	-0.0005 ppm	1.2212 ppm	0.0020 ppm	0.0087 ppm	0.0070 ppm
Concentration per Run 2	1.6915 ppm	0.3708 ppm	0.0004 ppm	1.2190 ppm	0.0030 ppm	0.0066 ppm	0.0078 ppm
Concentration per Run 3	1.6823 ppm	0.3737 ppm	0.0000 ppm	1.2095 ppm	0.0004 ppm	0.0106 ppm	0.0069 ppm
Concentration RSD	0.3 %	0.6 %	1.6129 %	0.5 %	71.3 %	23.4 %	6.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	1.0825 ppm	-0.0015 ppm	0.3695 ppm	0.0018 ppm	0.0030 ppm	0.0012 ppm
Concentration per Run 1	0.0001 ppm	1.0875 ppm	-0.0026 ppm	0.3684 ppm	0.0010 ppm	0.0061 ppm	0.0012 ppm
Concentration per Run 2	0.0012 ppm	1.0752 ppm	0.0013 ppm	0.3705 ppm	0.0023 ppm	0.0016 ppm	0.0005 ppm
Concentration per Run 3	0.0014 ppm	1.0847 ppm	-0.0032 ppm	0.3698 ppm	0.0021 ppm	0.0012 ppm	0.0017 ppm
Concentration RSD	77.9 %	0.6 %	165.3 %	0.3 %	40.3 %	91.1 %	53.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1039 ppm	107.1632 %	98.0737 %	101.6640 %	104.6565 %	97.6279 %	101.7596 %
Concentration per Run 1	0.1038 ppm	106.8105 %	97.9777 %	101.6186 %	104.0401 %	97.4676 %	102.0813 %
Concentration per Run 2	0.1039 ppm	108.0083 %	96.9053 %	101.3573 %	105.2417 %	96.8235 %	101.1475 %
Concentration per Run 3	0.1039 ppm	106.6709 %	99.3381 %	102.0162 %	104.6876 %	98.5925 %	102.0500 %
Concentration RSD	0.1 %	0.7 %	1.2 %	0.3 %	0.6 %	0.9 %	0.5 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2553860-06 WG2113110

Analysis started at: 9/10/2025 9:15:19 PM

Rack 1

Vial 33

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0021 ppm	-0.0021 ppm	-0.0015 ppm	0.0263 ppm	0.0268 ppm	-0.0001 ppm	204.8846 ppm
Concentration per Run 1	-0.0015 ppm	0.0043 ppm	-0.0044 ppm	0.0291 ppm	0.0269 ppm	0.0000 ppm	204.7357 ppm
Concentration per Run 2	-0.0023 ppm	-0.0041 ppm	-0.0004 ppm	0.0249 ppm	0.0266 ppm	-0.0001 ppm	204.6378 ppm
Concentration per Run 3	-0.0026 ppm	-0.0065 ppm	0.0002 ppm	0.0250 ppm	0.0270 ppm	-0.0001 ppm	205.2802 ppm
Concentration RSD	27.5 %	272.1 %	162.9 %	9.1 %	0.7 %	34.9 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0016 ppm	0.0000 ppm	0.0006 ppm	0.0004 ppm	0.0109 ppm	2.2854 ppm	0.0054 ppm
Concentration per Run 1	-0.0013 ppm	0.0006 ppm	0.0008 ppm	0.0009 ppm	0.0090 ppm	2.2820 ppm	0.0055 ppm
Concentration per Run 2	-0.0016 ppm	0.0000 ppm	-0.0005 ppm	-0.0001 ppm	0.0120 ppm	2.2796 ppm	0.0058 ppm
Concentration per Run 3	-0.0018 ppm	-0.0004 ppm	0.0014 ppm	0.0004 ppm	0.0118 ppm	2.2946 ppm	0.0052 ppm
Concentration RSD	13.4 %	1,132.6 %	164.5 %	121.4 %	15.3 %	0.4 %	4.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.6334 ppm	0.1304 ppm	-0.0009 ppm	2.1755 ppm	0.0018 ppm	0.0015 ppm	0.0057 ppm
Concentration per Run 1	3.6412 ppm	0.1304 ppm	-0.0005 ppm	2.1640 ppm	0.0013 ppm	0.0033 ppm	0.0029 ppm
Concentration per Run 2	3.6217 ppm	0.1302 ppm	-0.0012 ppm	2.1698 ppm	0.0013 ppm	-0.0005 ppm	0.0030 ppm
Concentration per Run 3	3.6371 ppm	0.1306 ppm	-0.0010 ppm	2.1928 ppm	0.0027 ppm	0.0017 ppm	0.0112 ppm
Concentration RSD	0.3 %	0.1 %	42.3 %	0.7 %	45.3 %	131.0 %	83.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0037 ppm	2.1237 ppm	-0.0014 ppm	0.9775 ppm	0.0030 ppm	0.0029 ppm	0.0008 ppm
Concentration per Run 1	0.0039 ppm	2.1148 ppm	-0.0016 ppm	0.9725 ppm	0.0038 ppm	0.0036 ppm	0.0010 ppm
Concentration per Run 2	0.0039 ppm	2.1161 ppm	-0.0018 ppm	0.9786 ppm	0.0029 ppm	0.0031 ppm	0.0010 ppm
Concentration per Run 3	0.0034 ppm	2.1403 ppm	-0.0009 ppm	0.9815 ppm	0.0024 ppm	0.0020 ppm	0.0006 ppm
Concentration RSD	7.1 %	0.7 %	33.0 %	0.5 %	24.0 %	29.1 %	28.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0056 ppm	106.4276 %	99.5771 %	101.7344 %	103.2725 %	98.2990 %	100.8655 %
Concentration per Run 1	0.0055 ppm	106.4133 %	99.8756 %	101.1579 %	102.9868 %	98.4310 %	100.2459 %
Concentration per Run 2	0.0059 ppm	106.5197 %	99.8361 %	102.7760 %	103.8538 %	98.3485 %	101.8687 %
Concentration per Run 3	0.0052 ppm	106.3499 %	99.0196 %	101.2691 %	102.9769 %	98.1173 %	100.4819 %
Concentration RSD	6.4 %	0.1 %	0.5 %	0.9 %	0.5 %	0.2 %	0.9 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2553860-07 WG2113110

Analysis started at: 9/10/2025 9:18:34 PM

Rack 1

Vial 34

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0025 ppm	-0.0067 ppm	-0.0018 ppm	0.0137 ppm	0.0299 ppm	0.0000 ppm	194.6833 ppm
Concentration per Run 1	-0.0028 ppm	-0.0073 ppm	-0.0017 ppm	0.0153 ppm	0.0298 ppm	-0.0001 ppm	195.1370 ppm
Concentration per Run 2	-0.0020 ppm	-0.0094 ppm	-0.0019 ppm	0.0112 ppm	0.0299 ppm	0.0000 ppm	194.4068 ppm
Concentration per Run 3	-0.0028 ppm	-0.0033 ppm	-0.0018 ppm	0.0148 ppm	0.0300 ppm	0.0000 ppm	194.5062 ppm
Concentration RSD	19.0 %	46.6 %	6.1 %	16.5 %	0.4 %	99.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0013 ppm	-0.0001 ppm	0.0013 ppm	0.0003 ppm	0.0010 ppm	1.8319 ppm	0.0034 ppm
Concentration per Run 1	-0.0012 ppm	0.0018 ppm	0.0017 ppm	0.0017 ppm	0.0012 ppm	0.0060 ppm	0.0060 ppm
Concentration per Run 2	-0.0013 ppm	-0.0011 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm	1.8218 ppm	0.0018 ppm
Concentration per Run 3	-0.0016 ppm	-0.0009 ppm	0.0017 ppm	-0.0007 ppm	0.0016 ppm	1.8481 ppm	0.0024 ppm
Concentration RSD	14.2 %	2.624.9 %	68.8 %	451.3 %	71.1 %	0.8 %	66.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.9669 ppm	0.2706 ppm	-0.0004 ppm	1.0874 ppm	0.0038 ppm	0.0040 ppm	0.0007 ppm
Concentration per Run 1	4.9705 ppm	0.2711 ppm	-0.0002 ppm	1.0907 ppm	0.0055 ppm	0.0027 ppm	-0.0025 ppm
Concentration per Run 2	4.9653 ppm	0.2714 ppm	-0.0013 ppm	1.0836 ppm	0.0046 ppm	0.0019 ppm	0.0040 ppm
Concentration per Run 3	4.9649 ppm	0.2693 ppm	0.0004 ppm	1.0879 ppm	0.0015 ppm	0.0073 ppm	0.0005 ppm
Concentration RSD	0.1 %	0.4 %	233.6 %	0.3 %	55.1 %	72.9 %	487.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	3.0744 ppm	0.0006 ppm	0.3347 ppm	0.0030 ppm	0.0050 ppm	0.0011 ppm
Concentration per Run 1	0.0017 ppm	3.0687 ppm	-0.0001 ppm	0.3341 ppm	0.0024 ppm	0.0089 ppm	0.0017 ppm
Concentration per Run 2	0.0008 ppm	3.0686 ppm	-0.0001 ppm	0.3363 ppm	0.0036 ppm	0.0057 ppm	0.0015 ppm
Concentration per Run 3	0.0030 ppm	3.0859 ppm	0.0018 ppm	0.3338 ppm	0.0030 ppm	0.0002 ppm	0.0003 ppm
Concentration RSD	59.7 %	0.3 %	192.1 %	0.4 %	20.1 %	88.7 %	67.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0134 ppm	107.9558 %	99.2165 %	100.7346 %	104.9421 %	97.5564 %	101.3636 %
Concentration per Run 1	0.0137 ppm	107.8823 %	99.3192 %	100.6951 %	104.3971 %	97.9795 %	101.6167 %
Concentration per Run 2	0.0133 ppm	107.8142 %	98.7209 %	101.0782 %	105.0991 %	97.0840 %	101.3006 %
Concentration per Run 3	0.0132 ppm	108.1708 %	99.6093 %	100.4306 %	105.3301 %	97.6058 %	101.1734 %
Concentration RSD	1.8 %	0.2 %	0.5 %	0.3 %	0.5 %	0.5 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



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Sample: 9/10/2025 9:21:49 PM

Rack 0

Vial 3

Comment<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4780 ppm	0.4750 ppm		0.4853 ppm	0.4926 ppm	0.5040 ppm	0.5027 ppm
Concentration per Run 1	0.4766 ppm	0.4763 ppm		0.4778 ppm	0.4925 ppm	0.5047 ppm	0.5019 ppm
Concentration per Run 2	0.4804 ppm	0.4790 ppm		0.4807 ppm	0.4953 ppm	0.5076 ppm	0.5076 ppm
Concentration per Run 3	0.4769 ppm	0.4697 ppm		0.4826 ppm	0.4879 ppm	0.5008 ppm	0.4986 ppm
Recovery Percentage 1	95.591 %	95.004 %		97.054 %	98.513 %	100.798 %	100.543 %
Concentration RSD	0.4 %	1.0 %		1.3 %	0.8 %	0.6 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4997 ppm	0.5033 ppm	0.5010 ppm	0.4899 ppm	0.4917 ppm	5.0917 ppm	0.5141 ppm
Concentration per Run 1	0.4993 ppm	0.5036 ppm	0.5024 ppm	0.4930 ppm	0.4882 ppm	5.1117 ppm	0.5149 ppm
Concentration per Run 2	0.5010 ppm	0.5051 ppm	0.5021 ppm	0.4900 ppm	0.4969 ppm	5.1272 ppm	0.5178 ppm
Concentration per Run 3	0.4987 ppm	0.5011 ppm	0.4986 ppm	0.4868 ppm	0.4900 ppm	5.0363 ppm	0.5096 ppm
Recovery Percentage 1	99.932 %	100.656 %	100.207 %	97.987 %	98.347 %	101.835 %	102.823 %
Concentration RSD	0.2 %	0.4 %	0.4 %	0.6 %	0.9 %	1.0 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4952 ppm	0.5123 ppm	0.4930 ppm	10.1735 ppm	0.5014 ppm	0.5033 ppm	0.5092 ppm
Concentration per Run 1	0.4972 ppm	0.5124 ppm	0.4908 ppm	10.2589 ppm	0.5040 ppm	0.4993 ppm	0.5059 ppm
Concentration per Run 2	0.4906 ppm	0.5175 ppm	0.4946 ppm	10.1826 ppm	0.5021 ppm	0.5118 ppm	0.5118 ppm
Concentration per Run 3	0.4979 ppm	0.5071 ppm	0.4937 ppm	10.0791 ppm	0.4982 ppm	0.5083 ppm	0.5098 ppm
Recovery Percentage 1	99.044 %	102.462 %	98.610 %	101.735 %	100.283 %	100.651 %	101.836 %
Concentration RSD	0.8 %	1.0 %	0.4 %	0.9 %	0.6 %	0.9 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4865 ppm	5.2456 ppm	0.4845 ppm	0.4985 ppm	0.4961 ppm	0.4848 ppm	0.5013 ppm
Concentration per Run 1	0.4861 ppm	5.2110 ppm	0.4885 ppm	0.5009 ppm	0.4959 ppm	0.4808 ppm	0.5019 ppm
Concentration per Run 2	0.4908 ppm	5.2746 ppm	0.4835 ppm	0.5028 ppm	0.4971 ppm	0.4838 ppm	0.5026 ppm
Concentration per Run 3	0.4825 ppm	5.2513 ppm	0.4816 ppm	0.4917 ppm	0.4953 ppm	0.4898 ppm	0.4993 ppm
Recovery Percentage 1	97.295 %	99.916 %	96.905 %	99.692 %	99.218 %	96.957 %	100.256 %
Concentration RSD	0.8 %	0.6 %	0.7 %	1.2 %	0.2 %	0.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5083 ppm	106.9259 %	101.3505 %	102.8595 %	103.9037 %	100.1259 %	101.6115 %
Concentration per Run 1	0.5112 ppm	106.2617 %	101.0676 %	102.9509 %	103.6493 %	100.3684 %	101.5010 %
Concentration per Run 2	0.5076 ppm	106.9941 %	100.2913 %	102.9615 %	103.9742 %	99.2565 %	101.5758 %
Concentration per Run 3	0.5061 ppm	107.5220 %	102.6926 %	102.6660 %	104.0877 %	100.7528 %	101.7578 %
Recovery Percentage 1	101.662 %						
Concentration RSD	0.5 %	0.6 %	1.2 %	0.2 %	0.2 %	0.8 %	0.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB

Analysis started at: 9/10/2025 9:25:03 PM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0018 ppm	-0.0152 ppm	-0.0034 ppm	-0.0029 ppm	-0.0001 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 1	-0.0016 ppm	-0.0049 ppm	-0.0052 ppm	-0.0028 ppm	-0.0001 ppm	0.0000 ppm	0.0029 ppm
Concentration per Run 2	-0.0024 ppm	-0.0199 ppm	-0.0026 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 3	-0.0015 ppm	-0.0208 ppm	-0.0024 ppm	-0.0064 ppm	-0.0001 ppm	-0.0001 ppm	0.0004 ppm
Recovery Percentage 1	-25.580 %	-15.216 %	-68.177 %	-9.755 %	-8.834 %	-0.221 %	1.379 %
Concentration RSD	27.6 %	58.5 %	46.2 %	115.2 %	21.6 %	505.0 %	96.1 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0008 ppm	-0.0006 ppm	-0.0103 ppm	0.0005 ppm
Concentration per Run 1	0.0002 ppm	-0.0021 ppm	0.0009 ppm	-0.0001 ppm	-0.0008 ppm	-0.0187 ppm	-0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0010 ppm	0.0013 ppm	0.0007 ppm	0.0052 ppm	-0.0001 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	-0.0005 ppm	0.0012 ppm	-0.0016 ppm	-0.0174 ppm	0.0021 ppm
Recovery Percentage 1	2.356 %	-2.106 %	1.203 %	7.772 %	-1.189 %	-0.411 %	10.043 %
Concentration RSD	92.0 %	366.2 %	573.7 %	102.0 %	195.1 %	130.8 %	279.1 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0083 ppm	0.0001 ppm	0.0009 ppm	-0.0362 ppm	0.0002 ppm	0.0028 ppm	0.0029 ppm
Concentration per Run 1	0.0076 ppm	0.0003 ppm	0.0028 ppm	-0.0359 ppm	0.0003 ppm	0.0014 ppm	0.0050 ppm
Concentration per Run 2	0.0073 ppm	-0.0001 ppm	0.0007 ppm	-0.0394 ppm	0.0028 ppm	0.0038 ppm	0.0023 ppm
Concentration per Run 3	0.0098 ppm	0.0000 ppm	-0.0009 ppm	-0.0332 ppm	-0.0024 ppm	0.0031 ppm	0.0015 ppm
Recovery Percentage 1	8.250 %	0.887 %	1.709 %	-1.808 %	0.985 %	27.735 %	5.853 %
Concentration RSD	16.7 %	237.6 %	214.6 %	8.7 %	1,052.8 %	44.5 %	63.2 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	-0.0006 ppm	-0.0091 ppm	-0.0019 ppm	0.0000 ppm	0.0028 ppm	0.0016 ppm	0.0008 ppm
Concentration per Run 1	0.0011 ppm	-0.0066 ppm	0.0002 ppm	-0.0001 ppm	0.0026 ppm	-0.0021 ppm	0.0014 ppm
Concentration per Run 2	-0.0035 ppm	-0.0120 ppm	-0.0040 ppm	0.0001 ppm	0.0019 ppm	0.0012 ppm	-0.0002 ppm
Concentration per Run 3	0.0004 ppm	-0.0085 ppm	-0.0017 ppm	0.0000 ppm	0.0039 ppm	0.0057 ppm	0.0011 ppm
Recovery Percentage 1	-6.362 %	-1.813 %	-3.729 %	0.113 %	27.677 %	7.958 %	7.666 %
Concentration RSD	390.0 %	30.2 %	114.2 %	636.2 %	36.9 %	246.9 %	105.8 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.0003 ppm	105.1335 %	98.1033 %	100.9448 %	103.4576 %	98.4312 %	100.7815 %
Concentration per Run 1	0.0007 ppm	105.8027 %	98.0422 %	100.0816 %	103.6470 %	98.7023 %	99.3382 %
Concentration per Run 2	0.0003 ppm	105.4310 %	97.9913 %	101.9020 %	103.9727 %	98.0285 %	101.6506 %
Concentration per Run 3	-0.0002 ppm	104.1669 %	98.2764 %	100.8507 %	102.7531 %	98.5630 %	101.3556 %
Recovery Percentage 1	5.768 %	0.8 %	0.2 %	0.9 %	0.6 %	0.4 %	1.2 %
Concentration RSD	155.2 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113095-1.WG2113095

Analysis started at: 9/10/2025 9:36:38 PM

Rack 1

Vial 35

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0012 ppm	-0.0081 ppm	-0.0081 ppm	0.0015 ppm	-0.0002 ppm	-0.0001 ppm	0.0042 ppm
Concentration per Run 1	-0.0008 ppm	-0.0040 ppm	-0.0008 ppm	0.0026 ppm	-0.0002 ppm	0.0000 ppm	0.0088 ppm
Concentration per Run 2	-0.0018 ppm	-0.0075 ppm	-0.0014 ppm	0.0011 ppm	-0.0002 ppm	-0.0001 ppm	0.0017 ppm
Concentration per Run 3	-0.0009 ppm	-0.0127 ppm	-0.0038 ppm	0.0009 ppm	-0.0002 ppm	-0.0001 ppm	0.0023 ppm
Recovery Percentage 1	-16.882 %	-8.070 %	-39.826 %	5.101 %	-1.780 %	-1.654 %	4.246 %
Concentration RSD	42.8 %	54.5 %	81.6 %	61.8 %	5.7 %	55.2 %	92.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0019 ppm	0.0150 ppm	0.0008 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0016 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	-0.0009 ppm	-0.0001 ppm	-0.0007 ppm	0.0027 ppm	0.0149 ppm	0.0020 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0010 ppm	0.0027 ppm	0.0286 ppm	-0.0003 ppm
Recovery Percentage 1	-1.113 %	-1.643 %	-0.616 %	0.192 %	3.710 %	0.602 %	16.985 %
Concentration RSD	34.2 %	169.3 %	238.1 %	4.416.4 %	78.7 %	89.5 %	137.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0111 ppm	0.0001 ppm	-0.0006 ppm	139.9783 ppm	-0.0004 ppm	0.0041 ppm	0.0018 ppm
Concentration per Run 1	0.0083 ppm	0.0003 ppm	-0.0001 ppm	140.8819 ppm	-0.0005 ppm	0.0059 ppm	-0.0063 ppm
Concentration per Run 2	0.0139 ppm	0.0000 ppm	-0.0009 ppm	139.9972 ppm	-0.0010 ppm	0.0055 ppm	0.0081 ppm
Concentration per Run 3	0.0112 ppm	0.0001 ppm	-0.0009 ppm	139.0558 ppm	0.0002 ppm	0.0007 ppm	0.0035 ppm
Recovery Percentage 1	11.134 %	1.273 %	-1.246 %	6.998.915 %	-1.775 %	40.529 %	3.538 %
Concentration RSD	25.1 %	109.5 %	69.2 %	0.7 %	128.9 %	71.7 %	416.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0017 ppm	0.0116 ppm	0.0001 ppm	-0.0001 ppm	0.0021 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run 1	0.0009 ppm	0.0133 ppm	0.0004 ppm	0.0000 ppm	0.0020 ppm	-0.0027 ppm	-0.0004 ppm
Concentration per Run 2	0.0052 ppm	0.0097 ppm	-0.0002 ppm	-0.0001 ppm	0.0014 ppm	0.0038 ppm	0.0010 ppm
Concentration per Run 3	-0.0009 ppm	0.0118 ppm	0.0002 ppm	-0.0001 ppm	0.0029 ppm	0.0046 ppm	-0.0003 ppm
Recovery Percentage 1	17.351 %	2.325 %	0.272 %	-0.663 %	21.031 %	9.460 %	1.038 %
Concentration RSD	179.5 %	15.5 %	222.9 %	86.4 %	36.0 %	212.7 %	773.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0041 ppm	109.7056 %	100.9682 %	106.2952 %	106.8393 %	99.6547 %	104.1112 %
Concentration per Run 1	-0.0035 ppm	110.1835 %	100.1263 %	106.5868 %	107.0186 %	98.9862 %	104.4538 %
Concentration per Run 2	-0.0043 ppm	109.3767 %	100.7441 %	106.6619 %	106.5655 %	99.5032 %	103.9389 %
Concentration per Run 3	-0.0045 ppm	109.5565 %	102.0342 %	105.6369 %	106.9336 %	100.4747 %	103.9409 %
Recovery Percentage 1	-81.817 %	0.4 %	1.0 %	0.5 %	0.2 %	0.8 %	0.3 %
Concentration RSD	11.8 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2113095-2 WG2113095

Analysis started at: 9/10/2025 9:39:59 PM

Rack 1

Vial 36

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0460 ppm	1.9969 ppm	0.1142 ppm	0.9829 ppm	1.9465 ppm	0.0502 ppm	10.1876 ppm
Concentration per Run 1	0.0457 ppm	2.0030 ppm	0.1118 ppm	0.9814 ppm	1.9541 ppm	0.0505 ppm	10.2329 ppm
Concentration per Run 2	0.0464 ppm	1.9955 ppm	0.1135 ppm	0.9751 ppm	1.9337 ppm	0.0497 ppm	10.1249 ppm
Concentration per Run 3	0.0459 ppm	1.9922 ppm	0.1173 ppm	0.9920 ppm	1.9519 ppm	0.0503 ppm	10.2050 ppm
Concentration RSD	0.8 %	0.3 %	2.5 %	0.9 %	0.6 %	0.8 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0527 ppm	0.4903 ppm	0.1962 ppm	0.2386 ppm	0.9741 ppm	10.1128 ppm	0.0013 ppm
Concentration per Run 1	0.0529 ppm	0.4906 ppm	0.1946 ppm	0.2406 ppm	0.9858 ppm	10.1611 ppm	0.0023 ppm
Concentration per Run 2	0.0525 ppm	0.4874 ppm	0.1947 ppm	0.2366 ppm	0.9654 ppm	10.0447 ppm	0.0008 ppm
Concentration per Run 3	0.0526 ppm	0.4929 ppm	0.1994 ppm	0.2387 ppm	0.9712 ppm	10.1327 ppm	0.0007 ppm
Concentration RSD	0.4 %	0.6 %	1.4 %	0.8 %	1.1 %	0.6 %	70.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.7037 ppm	0.5057 ppm	0.9799 ppm	10.1811 ppm	0.4946 ppm	0.5224 ppm	0.4250 ppm
Concentration per Run 1	9.7061 ppm	0.5112 ppm	0.9815 ppm	10.2518 ppm	0.4910 ppm	0.5236 ppm	0.4218 ppm
Concentration per Run 2	9.6889 ppm	0.5034 ppm	0.9717 ppm	10.0963 ppm	0.4934 ppm	0.5229 ppm	0.4265 ppm
Concentration per Run 3	9.7161 ppm	0.5024 ppm	0.9864 ppm	10.1952 ppm	0.4994 ppm	0.5207 ppm	0.4268 ppm
Concentration RSD	0.1 %	1.0 %	0.8 %	0.8 %	0.9 %	0.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1181 ppm	0.6614 ppm	0.9563 ppm	0.9671 ppm	0.9835 ppm	0.1169 ppm	0.5007 ppm
Concentration per Run 1	0.1193 ppm	0.6651 ppm	0.9561 ppm	0.9729 ppm	0.9860 ppm	0.1152 ppm	0.5021 ppm
Concentration per Run 2	0.1168 ppm	0.6565 ppm	0.9543 ppm	0.9598 ppm	0.9787 ppm	0.1177 ppm	0.4986 ppm
Concentration per Run 3	0.1182 ppm	0.6626 ppm	0.9584 ppm	0.9687 ppm	0.9857 ppm	0.1178 ppm	0.5013 ppm
Concentration RSD	1.1 %	0.7 %	0.2 %	0.7 %	0.4 %	1.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5052 ppm	106.9878 %	100.2332 %	102.9697 %	104.1657 %	99.2429 %	101.4608 %
Concentration per Run 1	0.5044 ppm	107.0515 %	99.9634 %	102.6580 %	104.3666 %	99.1448 %	101.2829 %
Concentration per Run 2	0.5028 ppm	107.0436 %	100.9532 %	103.7856 %	103.8542 %	99.8029 %	101.2656 %
Concentration per Run 3	0.5086 ppm	106.8683 %	99.7831 %	102.4654 %	104.2763 %	98.7810 %	101.8340 %
Concentration RSD	0.6 %	0.1 %	0.6 %	0.7 %	0.3 %	0.5 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555174-02 WG2113095

Analysis started at: 9/10/2025 9:43:15 PM

Rack 1

Vial 37

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0022 ppm	0.0162 ppm	-0.0006 ppm	0.0068 ppm	0.0402 ppm	0.0000 ppm	45.1221 ppm
Concentration per Run 1	-0.0018 ppm	0.0136 ppm	-0.0012 ppm	0.0084 ppm	0.0399 ppm	0.0000 ppm	44.7487 ppm
Concentration per Run 2	-0.0022 ppm	0.0156 ppm	-0.0009 ppm	0.0053 ppm	0.0405 ppm	-0.0001 ppm	45.5626 ppm
Concentration per Run 3	-0.0026 ppm	0.0193 ppm	0.0005 ppm	0.0066 ppm	0.0401 ppm	0.0000 ppm	45.0550 ppm
Concentration RSD	19.4 %	17.8 %	159.8 %	22.4 %	0.8 %	181.5 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0020 ppm	0.0007 ppm	0.0009 ppm	0.0042 ppm	0.4508 ppm	0.0025 ppm
Concentration per Run 1	-0.0002 ppm	0.0021 ppm	0.0016 ppm	0.0005 ppm	0.0049 ppm	0.0025 ppm	0.0025 ppm
Concentration per Run 2	-0.0004 ppm	0.0028 ppm	0.0007 ppm	0.0008 ppm	0.0040 ppm	0.4451 ppm	0.0020 ppm
Concentration per Run 3	-0.0003 ppm	0.0012 ppm	-0.0003 ppm	0.0014 ppm	0.0036 ppm	0.4581 ppm	0.0031 ppm
Concentration RSD	35.4 %	40.2 %	150.3 %	47.7 %	16.6 %	1.5 %	21.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.0813 ppm	0.1093 ppm	0.0053 ppm	139.8952 ppm	0.0019 ppm	0.0050 ppm	0.0163 ppm
Concentration per Run 1	3.0794 ppm	0.1088 ppm	0.0055 ppm	139.8061 ppm	0.0015 ppm	0.0039 ppm	0.0186 ppm
Concentration per Run 2	3.0736 ppm	0.1093 ppm	0.0044 ppm	140.4618 ppm	0.0037 ppm	0.0047 ppm	0.0208 ppm
Concentration per Run 3	3.0907 ppm	0.1097 ppm	0.0060 ppm	139.4178 ppm	0.0005 ppm	0.0063 ppm	0.0096 ppm
Concentration RSD	0.3 %	0.4 %	15.6 %	0.4 %	87.6 %	24.7 %	36.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	2.2044 ppm	0.0011 ppm	0.1251 ppm	0.0025 ppm	0.0069 ppm	0.0004 ppm
Concentration per Run 1	0.0053 ppm	2.2099 ppm	0.0002 ppm	0.1245 ppm	0.0028 ppm	0.0070 ppm	0.0005 ppm
Concentration per Run 2	-0.0003 ppm	2.1945 ppm	0.0029 ppm	0.1255 ppm	0.0029 ppm	0.0065 ppm	0.0005 ppm
Concentration per Run 3	-0.0021 ppm	2.2089 ppm	0.0001 ppm	0.1252 ppm	0.0020 ppm	0.0073 ppm	0.0000 ppm
Concentration RSD	393.7 %	0.4 %	145.7 %	0.4 %	19.9 %	6.3 %	75.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0025 ppm	108.8801 %	99.2899 %	103.7416 %	105.9608 %	98.2932 %	102.6256 %
Concentration per Run 1	0.0025 ppm	108.7826 %	99.0012 %	102.9950 %	105.8247 %	97.8550 %	102.6497 %
Concentration per Run 2	0.0026 ppm	109.5771 %	98.0881 %	103.5316 %	106.3211 %	97.2055 %	102.4887 %
Concentration per Run 3	0.0024 ppm	108.2807 %	100.7805 %	104.6982 %	105.7366 %	99.8192 %	102.7383 %
Concentration RSD	3.8 %	0.6 %	1.4 %	0.8 %	0.3 %	1.4 %	0.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113095-3 WG2113095

Analysis started at: 9/10/2025 9:46:28 PM

Rack 1

Vial 38

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0471 ppm	2.0025 ppm	0.1134 ppm	0.9641 ppm	1.9681 ppm	0.0500 ppm	54.9721 ppm
Concentration per Run 1	0.0467 ppm	2.0070 ppm	0.1130 ppm	0.9564 ppm	1.9593 ppm	0.0498 ppm	54.9670 ppm
Concentration per Run 2	0.0469 ppm	2.0109 ppm	0.1147 ppm	0.9697 ppm	1.9760 ppm	0.0502 ppm	55.1493 ppm
Concentration per Run 3	0.0476 ppm	1.9897 ppm	0.1126 ppm	0.9661 ppm	1.9690 ppm	0.0500 ppm	54.8017 ppm
Concentration RSD	1.0 %	0.6 %	1.0 %	0.7 %	0.4 %	0.4 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0508 ppm	0.4801 ppm	0.1933 ppm	0.2508 ppm	0.9614 ppm	10.5358 ppm	0.0014 ppm
Concentration per Run 1	0.0513 ppm	0.4801 ppm	0.1935 ppm	0.2499 ppm	0.9606 ppm	10.5545 ppm	0.0027 ppm
Concentration per Run 2	0.0506 ppm	0.4814 ppm	0.1927 ppm	0.2524 ppm	0.9599 ppm	10.5874 ppm	0.0020 ppm
Concentration per Run 3	0.0506 ppm	0.4788 ppm	0.1938 ppm	0.2501 ppm	0.9638 ppm	10.4655 ppm	-0.0006 ppm
Concentration RSD	0.8 %	0.3 %	0.3 %	0.6 %	0.2 %	0.6 %	125.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.6603 ppm	0.6006 ppm	0.9852 ppm	148.7320 ppm	0.4805 ppm	0.5175 ppm	0.4976 ppm
Concentration per Run 1	12.6562 ppm	0.5993 ppm	0.9855 ppm	148.1736 ppm	0.4759 ppm	0.5165 ppm	0.4972 ppm
Concentration per Run 2	12.6510 ppm	0.6027 ppm	0.9869 ppm	150.0754 ppm	0.4827 ppm	0.5198 ppm	0.4984 ppm
Concentration per Run 3	12.6737 ppm	0.5997 ppm	0.9831 ppm	147.9459 ppm	0.4829 ppm	0.5161 ppm	0.4971 ppm
Concentration RSD	0.1 %	0.3 %	0.2 %	0.8 %	0.8 %	0.4 %	0.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1174 ppm	2.8699 ppm	0.9559 ppm	1.0873 ppm	0.9790 ppm	0.1089 ppm	0.4981 ppm
Concentration per Run 1	0.1158 ppm	2.8662 ppm	0.9508 ppm	1.0811 ppm	0.9815 ppm	0.1081 ppm	0.4953 ppm
Concentration per Run 2	0.1166 ppm	2.8727 ppm	0.9533 ppm	1.0897 ppm	0.9795 ppm	0.1119 ppm	0.4997 ppm
Concentration per Run 3	0.1198 ppm	2.8707 ppm	0.9635 ppm	1.0912 ppm	0.9761 ppm	0.1068 ppm	0.4992 ppm
Concentration RSD	1.8 %	0.1 %	0.7 %	0.5 %	0.3 %	2.5 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4864 ppm	105.7356 %	97.4456 %	101.8387 %	103.3757 %	96.4838 %	101.2398 %
Concentration per Run 1	0.4845 ppm	106.2331 %	97.3357 %	101.6520 %	103.5585 %	96.2222 %	100.8197 %
Concentration per Run 2	0.4879 ppm	105.5059 %	97.2173 %	101.0246 %	103.1316 %	96.7487 %	100.4188 %
Concentration per Run 3	0.4868 ppm	105.4678 %	97.7837 %	102.8396 %	103.4370 %	96.4804 %	102.4808 %
Concentration RSD	0.4 %	0.4 %	0.3 %	0.9 %	0.2 %	0.3 %	1.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2113095-4 WG2113095

Analysis started at: 9/10/2025 9:49:41 PM

Rack 1

Vial 39

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	0.0167 ppm	-0.0014 ppm	0.0095 ppm	0.0405 ppm	0.0000 ppm	44.8642 ppm
Concentration per Run 1	-0.0010 ppm	0.0196 ppm	0.0013 ppm	0.0088 ppm	0.0405 ppm	-0.0001 ppm	44.5063 ppm
Concentration per Run 2	-0.0019 ppm	0.0074 ppm	-0.0025 ppm	0.0116 ppm	0.0406 ppm	0.0000 ppm	45.0229 ppm
Concentration per Run 3	-0.0014 ppm	0.0229 ppm	-0.0029 ppm	0.0079 ppm	0.0405 ppm	-0.0001 ppm	45.0635 ppm
Concentration RSD	31.9 %	48.9 %	166.8 %	20.3 %	0.2 %	129.3 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0002 ppm	0.0015 ppm	0.0004 ppm	0.0025 ppm	0.4478 ppm	0.0018 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0008 ppm	0.0007 ppm	0.0024 ppm	0.4543 ppm	0.0012 ppm
Concentration per Run 2	-0.0007 ppm	-0.0019 ppm	0.0028 ppm	0.0004 ppm	0.0041 ppm	0.4329 ppm	0.0025 ppm
Concentration per Run 3	-0.0007 ppm	0.0014 ppm	0.0009 ppm	0.0001 ppm	0.0011 ppm	0.4563 ppm	0.0017 ppm
Concentration RSD	65.6 %	683.1 %	76.6 %	68.5 %	59.5 %	2.9 %	36.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.0679 ppm	0.1084 ppm	0.0025 ppm	138.7389 ppm	0.0015 ppm	-0.0004 ppm	0.0054 ppm
Concentration per Run 1	3.0749 ppm	0.1077 ppm	0.0028 ppm	137.4975 ppm	0.0015 ppm	0.0010 ppm	0.0012 ppm
Concentration per Run 2	3.0787 ppm	0.1088 ppm	0.0031 ppm	140.1084 ppm	0.0006 ppm	-0.0024 ppm	0.0066 ppm
Concentration per Run 3	3.0502 ppm	0.1086 ppm	0.0017 ppm	138.6097 ppm	0.0024 ppm	0.0001 ppm	0.0086 ppm
Concentration RSD	0.5 %	0.5 %	28.9 %	0.9 %	59.4 %	390.6 %	70.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0039 ppm	2.1791 ppm	0.0013 ppm	0.1255 ppm	0.0021 ppm	-0.0041 ppm	0.0004 ppm
Concentration per Run 1	0.0008 ppm	2.1899 ppm	0.0021 ppm	0.1254 ppm	0.0009 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 2	0.0099 ppm	2.1688 ppm	0.0004 ppm	0.1261 ppm	0.0030 ppm	-0.0072 ppm	0.0001 ppm
Concentration per Run 3	0.0010 ppm	2.1785 ppm	0.0015 ppm	0.1250 ppm	0.0025 ppm	-0.0047 ppm	0.0009 ppm
Concentration RSD	133.0 %	0.5 %	65.4 %	0.5 %	52.0 %	81.3 %	99.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0060 ppm	105.6474 %	97.4260 %	103.4493 %	96.1916 %	100.4182 %
Concentration per Run 1	0.0059 ppm	105.4046 %	98.2981 %	103.2933 %	96.6111 %	100.1417 %
Concentration per Run 2	0.0060 ppm	105.2353 %	96.2117 %	102.6425 %	95.1267 %	101.3003 %
Concentration per Run 3	0.0061 ppm	106.3022 %	97.7682 %	104.4120 %	96.8368 %	99.8128 %
Concentration RSD	1.8 %	0.5 %	1.1 %	0.9 %	1.0 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555174-03 WG2113095

Analysis started at: 9/10/2025 9:52:54 PM

Rack 1

Vial 40

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0013 ppm	0.0303 ppm	-0.0013 ppm	0.0066 ppm	0.0389 ppm	-0.0001 ppm	38.4381 ppm
Concentration per Run 1	-0.0013 ppm	0.0267 ppm	0.0021 ppm	0.0065 ppm	0.0387 ppm	-0.0001 ppm	38.5283 ppm
Concentration per Run 2	-0.0012 ppm	0.0329 ppm	-0.0023 ppm	0.0064 ppm	0.0391 ppm	-0.0001 ppm	38.3357 ppm
Concentration per Run 3	-0.0014 ppm	0.0314 ppm	-0.0039 ppm	0.0070 ppm	0.0390 ppm	-0.0001 ppm	38.4503 ppm
Concentration RSD	10.4 %	10.7 %	231.9 %	5.4 %	0.5 %	32.4 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0006 ppm	0.0002 ppm	-0.0004 ppm	0.0095 ppm	0.4278 ppm	0.0018 ppm
Concentration per Run 1	-0.0005 ppm	-0.0019 ppm	0.0006 ppm	0.0002 ppm	0.0079 ppm	0.4122 ppm	0.0012 ppm
Concentration per Run 2	-0.0005 ppm	0.0008 ppm	0.0011 ppm	-0.0010 ppm	0.0100 ppm	0.4394 ppm	0.0034 ppm
Concentration per Run 3	-0.0006 ppm	-0.0006 ppm	-0.0010 ppm	-0.0003 ppm	0.0106 ppm	0.4319 ppm	0.0008 ppm
Concentration RSD	17.5 %	239.1 %	507.0 %	157.9 %	15.1 %	3.3 %	78.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.4232 ppm	0.0524 ppm	0.0008 ppm	138.5943 ppm	0.0012 ppm	0.0037 ppm	-0.0001 ppm
Concentration per Run 1	2.4210 ppm	0.0522 ppm	0.0007 ppm	138.4695 ppm	0.0016 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	2.4219 ppm	0.0522 ppm	0.0012 ppm	138.5630 ppm	0.0002 ppm	0.0052 ppm	0.0024 ppm
Concentration per Run 3	2.4266 ppm	0.0527 ppm	0.0004 ppm	138.7505 ppm	0.0017 ppm	0.0059 ppm	-0.0028 ppm
Concentration RSD	0.1 %	0.5 %	51.9 %	0.1 %	73.5 %	88.3 %	3.598.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0057 ppm	1.7339 ppm	-0.0017 ppm	0.1123 ppm	0.0018 ppm	-0.0013 ppm	0.0006 ppm
Concentration per Run 1	0.0030 ppm	1.7205 ppm	0.0009 ppm	0.1122 ppm	0.0019 ppm	-0.0037 ppm	0.0008 ppm
Concentration per Run 2	0.0086 ppm	1.7405 ppm	-0.0033 ppm	0.1122 ppm	0.0011 ppm	-0.0036 ppm	0.0000 ppm
Concentration per Run 3	0.0056 ppm	1.7407 ppm	-0.0028 ppm	0.1125 ppm	0.0024 ppm	0.0035 ppm	0.0010 ppm
Concentration RSD	48.8 %	0.7 %	134.8 %	0.2 %	38.9 %	325.2 %	91.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0017 ppm	106.6850 %	97.8439 %	102.1632 %	104.1708 %	96.9488 %	102.0862 %
Concentration per Run 1	0.0020 ppm	107.0869 %	97.8679 %	102.5043 %	104.3791 %	96.5902 %	102.2902 %
Concentration per Run 2	0.0015 ppm	107.0160 %	97.4870 %	101.6076 %	104.5913 %	96.8469 %	102.0147 %
Concentration per Run 3	0.0017 ppm	105.9520 %	98.1769 %	102.3776 %	103.5420 %	97.4093 %	101.9538 %
Concentration RSD	15.7 %	0.6 %	0.4 %	0.5 %	0.5 %	0.4 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556249-01 WG2113095

Analysis started at: 9/10/2025 9:56:07 PM

Rack 1

Vial 41

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0020 ppm	0.1605 ppm	0.0000 ppm	0.0072 ppm	0.0213 ppm	0.0000 ppm	3.9681 ppm
Concentration per Run 1	-0.0014 ppm	0.1527 ppm	0.0015 ppm	0.0056 ppm	0.0213 ppm	0.0000 ppm	3.9872 ppm
Concentration per Run 2	-0.0021 ppm	0.1640 ppm	-0.0006 ppm	0.0066 ppm	0.0211 ppm	-0.0001 ppm	3.9495 ppm
Concentration per Run 3	-0.0026 ppm	0.1647 ppm	-0.0011 ppm	0.0093 ppm	0.0214 ppm	0.0000 ppm	3.9675 ppm
Concentration RSD	30.6 %	4.2 %	2.898.9 %	26.7 %	0.7 %	65.8 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0011 ppm	0.0006 ppm	0.0021 ppm	0.0289 ppm	0.1816 ppm	0.2382 ppm	0.0016 ppm
Concentration per Run 1	0.0012 ppm	-0.0003 ppm	0.0010 ppm	0.0285 ppm	0.1837 ppm	0.2393 ppm	0.0015 ppm
Concentration per Run 2	0.0008 ppm	0.0006 ppm	0.0020 ppm	0.0294 ppm	0.1806 ppm	0.2503 ppm	0.0020 ppm
Concentration per Run 3	0.0013 ppm	0.0015 ppm	0.0032 ppm	0.0287 ppm	0.1805 ppm	0.2251 ppm	0.0014 ppm
Concentration RSD	20.8 %	151.8 %	52.9 %	1.7 %	1.0 %	5.3 %	20.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4206 ppm	0.0312 ppm	-0.0005 ppm	136.3276 ppm	0.0064 ppm	0.0863 ppm	0.0028 ppm
Concentration per Run 1	0.4211 ppm	0.0315 ppm	0.0013 ppm	137.4412 ppm	0.0081 ppm	0.0867 ppm	0.0003 ppm
Concentration per Run 2	0.4191 ppm	0.0311 ppm	-0.0013 ppm	135.7946 ppm	0.0055 ppm	0.0889 ppm	0.0038 ppm
Concentration per Run 3	0.4215 ppm	0.0312 ppm	-0.0015 ppm	135.7470 ppm	0.0055 ppm	0.0833 ppm	0.0044 ppm
Concentration RSD	0.3 %	0.6 %	305.2 %	0.7 %	24.0 %	3.3 %	79.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0036 ppm	0.5165 ppm	-0.0018 ppm	0.0168 ppm	0.0078 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run 1	0.0056 ppm	0.5098 ppm	-0.0021 ppm	0.0169 ppm	0.0080 ppm	-0.0020 ppm	0.0008 ppm
Concentration per Run 2	0.0045 ppm	0.5206 ppm	-0.0005 ppm	0.0168 ppm	0.0072 ppm	0.0008 ppm	0.0008 ppm
Concentration per Run 3	0.0007 ppm	0.5192 ppm	-0.0028 ppm	0.0168 ppm	0.0083 ppm	0.0016 ppm	0.0008 ppm
Concentration RSD	72.2 %	1.1 %	65.8 %	0.4 %	7.6 %	1,521.8 %	4.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3098 ppm	106.6817 %	97.4372 %	102.8423 %	104.0230 %	96.3667 %	101.4738 %
Concentration per Run 1	0.3104 ppm	106.4947 %	97.3068 %	102.0000 %	104.0016 %	96.5778 %	101.5954 %
Concentration per Run 2	0.3087 ppm	107.1522 %	97.6207 %	103.1457 %	104.0241 %	96.6814 %	101.3451 %
Concentration per Run 3	0.3103 ppm	106.3981 %	97.3840 %	103.3812 %	104.0432 %	95.8407 %	101.4809 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.7 %	0.0 %	0.5 %	0.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556273-01 WG2113095

Analysis started at: 9/10/2025 9:59:21 PM

Rack 1

Vial 42

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0017 ppm	0.2272 ppm	0.0239 ppm	0.0038 ppm	0.0093 ppm	0.0000 ppm	10.2763 ppm
Concentration per Run 1	-0.0022 ppm	0.2244 ppm	0.0255 ppm	0.0092 ppm	0.0000 ppm	0.0000 ppm	10.2622 ppm
Concentration per Run 2	-0.0015 ppm	0.2291 ppm	0.0222 ppm	0.0112 ppm	0.0091 ppm	0.0000 ppm	10.2535 ppm
Concentration per Run 3	-0.0016 ppm	0.2281 ppm	0.0239 ppm	0.0089 ppm	0.0094 ppm	-0.0001 ppm	10.3131 ppm
Concentration RSD	21.6 %	1.1 %	7.0 %	12.9 %	1.9 %	109.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	-0.0013 ppm	0.0090 ppm	0.0160 ppm	0.0830 ppm	1.2587 ppm	0.0028 ppm
Concentration per Run 1	0.0003 ppm	-0.0011 ppm	0.0089 ppm	0.0157 ppm	0.0835 ppm	1.2340 ppm	0.0031 ppm
Concentration per Run 2	0.0003 ppm	-0.0018 ppm	0.0091 ppm	0.0163 ppm	0.0829 ppm	1.2737 ppm	0.0020 ppm
Concentration per Run 3	0.0007 ppm	-0.0011 ppm	0.0090 ppm	0.0160 ppm	0.0825 ppm	1.2684 ppm	0.0034 ppm
Concentration RSD	54.8 %	31.1 %	1.1 %	1.8 %	0.7 %	1.7 %	26.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.9607 ppm	0.1078 ppm	-0.0009 ppm	136.9407 ppm	0.0003 ppm	0.0049 ppm	0.0044 ppm
Concentration per Run 1	0.9560 ppm	0.1082 ppm	0.0000 ppm	136.9695 ppm	-0.0012 ppm	0.0031 ppm	0.0052 ppm
Concentration per Run 2	0.9648 ppm	0.1079 ppm	-0.0020 ppm	136.2105 ppm	0.0014 ppm	0.0049 ppm	0.0048 ppm
Concentration per Run 3	0.9613 ppm	0.1072 ppm	-0.0006 ppm	137.6420 ppm	0.0007 ppm	0.0068 ppm	0.0031 ppm
Concentration RSD	0.5 %	0.5 %	116.5 %	0.5 %	476.9 %	36.8 %	24.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0065 ppm	0.7429 ppm	-0.0015 ppm	0.0172 ppm	0.0046 ppm	-0.0037 ppm	0.0109 ppm
Concentration per Run 1	0.0062 ppm	0.7403 ppm	0.0006 ppm	0.0172 ppm	0.0050 ppm	-0.0026 ppm	0.0109 ppm
Concentration per Run 2	0.0047 ppm	0.7450 ppm	-0.0013 ppm	0.0172 ppm	0.0051 ppm	-0.0018 ppm	0.0110 ppm
Concentration per Run 3	0.0085 ppm	0.7433 ppm	-0.0038 ppm	0.0173 ppm	0.0038 ppm	-0.0067 ppm	0.0108 ppm
Concentration RSD	29.6 %	0.3 %	145.6 %	0.3 %	15.9 %	70.9 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6482 ppm	107.2040 %	99.4476 %	102.4513 %	103.9285 %	98.2464 %	101.5257 %
Concentration per Run 1	0.6449 ppm	108.0323 %	99.2796 %	102.9341 %	104.4068 %	97.5137 %	101.4038 %
Concentration per Run 2	0.6552 ppm	106.1507 %	100.1098 %	101.9594 %	103.2771 %	99.0945 %	101.4559 %
Concentration per Run 3	0.6446 ppm	107.4291 %	98.9534 %	102.4604 %	104.1016 %	98.1310 %	101.7175 %
Concentration RSD	0.9 %	0.9 %	0.6 %	0.5 %	0.6 %	0.8 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556273-02 WG2113095

Analysis started at: 9/10/2025 10:02:35 PM

Rack 1

Vial 43

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0018 ppm	-0.0122 ppm	-0.0021 ppm	0.0159 ppm	0.0288 ppm	0.0000 ppm	92.5119 ppm
Concentration per Run 1	-0.0004 ppm	-0.0160 ppm	0.0012 ppm	0.0148 ppm	0.0287 ppm	0.0000 ppm	92.2250 ppm
Concentration per Run 2	-0.0034 ppm	-0.0112 ppm	-0.0050 ppm	0.0165 ppm	0.0287 ppm	0.0000 ppm	92.5563 ppm
Concentration per Run 3	-0.0015 ppm	-0.0094 ppm	-0.0026 ppm	0.0164 ppm	0.0289 ppm	-0.0001 ppm	92.7544 ppm
Concentration RSD	85.4 %	27.7 %	147.8 %	6.0 %	0.5 %	96.4 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0008 ppm	-0.0001 ppm	0.0007 ppm	0.0002 ppm	0.0010 ppm	2.5817 ppm	0.0064 ppm
Concentration per Run 1	-0.0009 ppm	0.0002 ppm	0.0004 ppm	-0.0007 ppm	0.0025 ppm	2.5916 ppm	0.0062 ppm
Concentration per Run 2	-0.0007 ppm	0.0002 ppm	0.0008 ppm	0.0010 ppm	-0.0005 ppm	2.5908 ppm	0.0064 ppm
Concentration per Run 3	-0.0007 ppm	-0.0006 ppm	0.0008 ppm	0.0003 ppm	0.0009 ppm	2.5626 ppm	0.0065 ppm
Concentration RSD	16.7 %	626.4 %	37.0 %	423.4 %	157.8 %	0.6 %	2.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.7368 ppm	0.0355 ppm	0.0000 ppm	134.4033 ppm	-0.0002 ppm	0.0021 ppm	0.0088 ppm
Concentration per Run 1	0.7428 ppm	0.0359 ppm	-0.0001 ppm	133.7306 ppm	0.0008 ppm	0.0026 ppm	0.0036 ppm
Concentration per Run 2	0.7339 ppm	0.0352 ppm	-0.0004 ppm	135.0909 ppm	-0.0008 ppm	0.0030 ppm	0.0064 ppm
Concentration per Run 3	0.7336 ppm	0.0356 ppm	0.0007 ppm	134.3885 ppm	-0.0006 ppm	0.0009 ppm	0.0165 ppm
Concentration RSD	0.7 %	1.0 %	1,147.0 %	0.5 %	397.9 %	52.2 %	76.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0073 ppm	1.0608 ppm	-0.0017 ppm	0.1480 ppm	0.0022 ppm	0.0007 ppm	0.0029 ppm
Concentration per Run 1	0.0112 ppm	1.0624 ppm	-0.0057 ppm	0.1475 ppm	0.0022 ppm	-0.0015 ppm	0.0026 ppm
Concentration per Run 2	0.0024 ppm	1.0643 ppm	0.0023 ppm	0.1487 ppm	0.0028 ppm	0.0065 ppm	0.0027 ppm
Concentration per Run 3	0.0082 ppm	1.0557 ppm	-0.0016 ppm	0.1479 ppm	0.0015 ppm	-0.0028 ppm	0.0034 ppm
Concentration RSD	61.4 %	0.4 %	236.7 %	0.4 %	29.1 %	702.3 %	14.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	106.8462 %	98.4978 %	102.1162 %	103.8576 %	96.7250 %	100.9090 %
Concentration per Run 1	0.0000 ppm	107.4777 %	99.5952 %	103.0043 %	104.1703 %	97.5823 %	101.4813 %
Concentration per Run 2	0.0000 ppm	106.4553 %	97.7671 %	101.1368 %	103.4525 %	96.0998 %	100.3026 %
Concentration per Run 3	-0.0001 ppm	106.6055 %	98.1310 %	102.2075 %	103.9502 %	96.4929 %	100.9431 %
Concentration RSD	32.0 %	0.5 %	1.0 %	0.9 %	0.4 %	0.8 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCV

Sample:

Analysis started at: 9/10/2025 10:05:49 PM

Rack

Vial 3

Comment<

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4827 ppm	0.4762 ppm	0.4810 ppm	0.4906 ppm	0.4962 ppm	0.5110 ppm	0.5065 ppm
Concentration per Run 1	0.4809 ppm	0.4782 ppm	0.4782 ppm	0.4931 ppm	0.4936 ppm	0.5110 ppm	0.5110 ppm
Concentration per Run 2	0.4853 ppm	0.4707 ppm	0.4792 ppm	0.4892 ppm	0.4940 ppm	0.5092 ppm	0.5033 ppm
Concentration per Run 3	0.4820 ppm	0.4707 ppm	0.4858 ppm	0.4895 ppm	0.5010 ppm	0.5147 ppm	0.5052 ppm
Recovery Percentage 1	96.546 %	95.238 %	96.209 %	98.118 %	99.246 %	102.190 %	101.303 %
Concentration RSD	0.5 %	2.0 %	0.9 %	0.4 %	0.8 %	0.6 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5038 ppm	0.5058 ppm	0.4933 ppm	0.4933 ppm	0.4974 ppm	5.1495 ppm	0.5193 ppm
Concentration per Run 1	0.5040 ppm	0.5032 ppm	0.5049 ppm	0.4931 ppm	0.4964 ppm	5.1395 ppm	0.5185 ppm
Concentration per Run 2	0.5032 ppm	0.5061 ppm	0.5078 ppm	0.4938 ppm	0.4986 ppm	5.1107 ppm	0.5158 ppm
Concentration per Run 3	0.5042 ppm	0.5082 ppm	0.5071 ppm	0.4929 ppm	0.4973 ppm	5.1983 ppm	0.5236 ppm
Recovery Percentage 1	100.767 %	101.162 %	98.650 %	98.650 %	99.489 %	102.990 %	103.861 %
Concentration RSD	0.1 %	0.5 %	0.1 %	0.1 %	0.2 %	0.9 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4980 ppm	0.5180 ppm	0.4988 ppm	10.2564 ppm	0.5068 ppm	0.5068 ppm	0.5105 ppm
Concentration per Run 1	0.4993 ppm	0.5170 ppm	0.4966 ppm	10.1960 ppm	0.5018 ppm	0.5070 ppm	0.5009 ppm
Concentration per Run 2	0.5056 ppm	0.5162 ppm	0.5003 ppm	10.2899 ppm	0.5130 ppm	0.5039 ppm	0.5191 ppm
Concentration per Run 3	0.4890 ppm	0.5207 ppm	0.4995 ppm	10.2834 ppm	0.5057 ppm	0.5094 ppm	0.5115 ppm
Recovery Percentage 1	99.598 %	103.593 %	99.758 %	102.564 %	101.369 %	101.358 %	102.097 %
Concentration RSD	1.7 %	0.5 %	0.4 %	0.5 %	1.1 %	0.5 %	1.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4903 ppm	5.2793 ppm	0.4910 ppm	0.5019 ppm	0.4995 ppm	0.4889 ppm	0.5065 ppm
Concentration per Run 1	0.4857 ppm	5.2492 ppm	0.4907 ppm	0.4989 ppm	0.4973 ppm	0.4896 ppm	0.5054 ppm
Concentration per Run 2	0.4905 ppm	5.3039 ppm	0.4864 ppm	0.4991 ppm	0.5003 ppm	0.4867 ppm	0.5073 ppm
Concentration per Run 3	0.4946 ppm	5.2848 ppm	0.4959 ppm	0.5076 ppm	0.5009 ppm	0.4905 ppm	0.5069 ppm
Recovery Percentage 1	98.055 %	100.559 %	98.198 %	100.374 %	99.900 %	97.786 %	101.304 %
Concentration RSD	0.9 %	0.5 %	1.0 %	1.0 %	0.4 %	0.4 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5140 ppm	105.6326 %	99.8443 %	101.8184 %	102.7354 %	98.6109 %	100.2672 %
Concentration per Run 1	0.5109 ppm	105.1830 %	100.2022 %	102.2252 %	102.0927 %	98.8610 %	100.4518 %
Concentration per Run 2	0.5161 ppm	106.1131 %	100.1834 %	102.5587 %	103.3797 %	98.5421 %	100.9701 %
Concentration per Run 3	0.5151 ppm	105.6016 %	99.1471 %	100.6712 %	102.7338 %	98.4298 %	99.3798 %
Recovery Percentage 1	102.806 %			1.0 %	0.6 %	0.2 %	0.8 %
Concentration RSD	0.5 %	0.4 %	0.6 %	1.0 %	0.6 %	0.2 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/10/2025 10:09:03 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0016 ppm	-0.0131 ppm	-0.0019 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0029 ppm
Concentration per Run 1	-0.0017 ppm	-0.0137 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 2	-0.0022 ppm	-0.0088 ppm	-0.0022 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0040 ppm
Concentration per Run 3	-0.0010 ppm	-0.0169 ppm	-0.0037 ppm	-0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0039 ppm
Recovery Percentage 1	-23.449 %	-13.143 %	-38.515 %	-0.970 %	-1.043 %	0.863 %	2.933 %
Concentration RSD	37.7 %	30.9 %	99.6 %	385.0 %	86.1 %	66.3 %	59.7 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0001 ppm	-0.0007 ppm	0.0010 ppm	0.0000 ppm	-0.0014 ppm	0.0035 ppm	0.0013 ppm
Concentration per Run 1	0.0002 ppm	-0.0007 ppm	0.0008 ppm	0.0014 ppm	-0.0029 ppm	-0.0166 ppm	0.0017 ppm
Concentration per Run 2	-0.0002 ppm	-0.0021 ppm	0.0016 ppm	-0.0005 ppm	-0.0010 ppm	0.0087 ppm	0.0010 ppm
Concentration per Run 3	0.0003 ppm	0.0008 ppm	0.0006 ppm	-0.0008 ppm	-0.0002 ppm	0.0184 ppm	0.0012 ppm
Recovery Percentage 1	1.961 %	-3.397 %	9.947 %	0.247 %	-2.711 %	0.140 %	25.705 %
Concentration RSD	277.7 %	207.0 %	56.2 %	4.876.8 %	104.6 %	516.3 %	28.0 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0111 ppm	0.0000 ppm	0.0024 ppm	-0.0318 ppm	-0.0016 ppm	0.0052 ppm	-0.0013 ppm
Concentration per Run 1	0.0097 ppm	0.0000 ppm	0.0031 ppm	-0.0266 ppm	-0.0025 ppm	0.0055 ppm	0.0006 ppm
Concentration per Run 2	0.0106 ppm	0.0000 ppm	0.0033 ppm	-0.0352 ppm	-0.0025 ppm	0.0034 ppm	-0.0064 ppm
Concentration per Run 3	0.0130 ppm	0.0001 ppm	0.0007 ppm	-0.0335 ppm	0.0002 ppm	0.0066 ppm	0.0019 ppm
Recovery Percentage 1	11.088 %	0.166 %	4.764 %	-1.588 %	-6.511 %	51.536 %	-2.580 %
Concentration RSD	15.1 %	340.4 %	60.9 %	14.4 %	95.9 %	32.1 %	345.9 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0021 ppm	-0.0126 ppm	-0.0019 ppm	0.0000 ppm	0.0019 ppm	-0.0019 ppm	0.0004 ppm
Concentration per Run 1	0.0041 ppm	-0.0158 ppm	-0.0014 ppm	0.0000 ppm	0.0027 ppm	-0.0030 ppm	0.0001 ppm
Concentration per Run 2	0.0023 ppm	-0.0092 ppm	-0.0012 ppm	-0.0001 ppm	0.0012 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0127 ppm	-0.0032 ppm	0.0000 ppm	0.0018 ppm	-0.0031 ppm	0.0008 ppm
Recovery Percentage 1	21.091 %	-2.513 %	-3.896 %	-0.135 %	19.107 %	-9.403 %	3.564 %
Concentration RSD	98.0 %	26.0 %	57.2 %	454.1 %	40.2 %	108.9 %	108.3 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.0000 ppm	102.8944 %	98.0629 %	99.3362 %	102.2211 %	98.1504 %	99.6759 %
Concentration per Run 1	-0.0001 ppm	102.5748 %	99.3729 %	99.0474 %	102.6925 %	99.1700 %	99.5316 %
Concentration per Run 2	0.0002 ppm	103.9084 %	97.8492 %	98.6186 %	103.0135 %	97.9328 %	99.0913 %
Concentration per Run 3	-0.0001 ppm	102.2001 %	96.9666 %	100.3427 %	100.9572 %	97.3485 %	100.4048 %
Recovery Percentage 1	0.334 %						
Concentration RSD	1.181.7 %	0.9 %	1.2 %	0.9 %	1.1 %	0.9 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2112565-1 WG2112565

Analysis started at: 9/10/2025 10:53:12 PM

Rack 1

Vial 44

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	-0.0177 ppm	-0.0024 ppm	0.0028 ppm	-0.0001 ppm	-0.0001 ppm	0.0214 ppm
Concentration per Run 1	-0.0007 ppm	-0.0211 ppm	-0.0032 ppm	0.0026 ppm	0.0000 ppm	-0.0001 ppm	0.0168 ppm
Concentration per Run 2	-0.0002 ppm	-0.0184 ppm	-0.0011 ppm	0.0035 ppm	-0.0002 ppm	0.0000 ppm	0.0230 ppm
Concentration per Run 3	-0.0014 ppm	-0.0136 ppm	-0.0028 ppm	0.0025 ppm	-0.0001 ppm	-0.0001 ppm	0.0242 ppm
Recovery Percentage 1	-11.004 %	-17.689 %	-47.727 %	9.452 %	-0.737 %	-1.536 %	21.358 %
Concentration RSD	75.0 %	21.3 %	47.0 %	20.2 %	130.7 %	26.4 %	18.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0006 ppm	0.0013 ppm	0.0003 ppm	-0.0005 ppm	-0.0087 ppm	0.0015 ppm
Concentration per Run 1	0.0001 ppm	-0.0009 ppm	0.0021 ppm	-0.0004 ppm	-0.0014 ppm	-0.0121 ppm	0.0019 ppm
Concentration per Run 2	-0.0002 ppm	-0.0004 ppm	0.0011 ppm	0.0007 ppm	0.0007 ppm	-0.0242 ppm	0.0015 ppm
Concentration per Run 3	-0.0002 ppm	-0.0004 ppm	0.0006 ppm	0.0007 ppm	-0.0008 ppm	0.0103 ppm	0.0011 ppm
Recovery Percentage 1	-1.472 %	-2.836 %	12.727 %	3.374 %	-1.028 %	-0.346 %	30.122 %
Concentration RSD	243.6 %	50.8 %	62.3 %	181.6 %	210.7 %	202.4 %	25.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0148 ppm	0.0000 ppm	-0.0010 ppm	140.1249 ppm	-0.0001 ppm	0.0027 ppm	0.0041 ppm
Concentration per Run 1	0.0181 ppm	0.0002 ppm	0.0006 ppm	139.4533 ppm	-0.0024 ppm	0.0041 ppm	0.0075 ppm
Concentration per Run 2	0.0115 ppm	-0.0001 ppm	-0.0028 ppm	140.5793 ppm	0.0028 ppm	0.0031 ppm	0.0031 ppm
Concentration per Run 3	0.0148 ppm	-0.0001 ppm	-0.0009 ppm	140.3420 ppm	-0.0009 ppm	0.0020 ppm	0.0016 ppm
Recovery Percentage 1	14.794 %	0.130 %	-2.049 %	7.006.243 %	-0.593 %	27.030 %	8.105 %
Concentration RSD	22.3 %	1.480.5 %	166.8 %	0.4 %	1.796.0 %	42.5 %	75.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0051 ppm	0.0298 ppm	-0.0003 ppm	0.0000 ppm	0.0019 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run 1	0.0064 ppm	0.0272 ppm	-0.0029 ppm	0.0001 ppm	0.0020 ppm	0.0017 ppm	0.0008 ppm
Concentration per Run 2	0.0048 ppm	0.0343 ppm	0.0022 ppm	0.0000 ppm	0.0021 ppm	-0.0002 ppm	0.0010 ppm
Concentration per Run 3	0.0040 ppm	0.0279 ppm	-0.0003 ppm	0.0000 ppm	0.0016 ppm	-0.0011 ppm	0.0002 ppm
Recovery Percentage 1	50.798 %	5.954 %	-0.641 %	0.425 %	18.781 %	0.676 %	6.824 %
Concentration RSD	24.7 %	13.2 %	802.5 %	168.2 %	14.6 %	1.041.5 %	58.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0042 ppm	103.7644 %	96.9813 %	101.2299 %	100.9645 %	95.3426 %	99.6220 %
Concentration per Run 1	-0.0041 ppm	104.8487 %	97.4277 %	101.0102 %	101.4533 %	95.4864 %	99.4807 %
Concentration per Run 2	-0.0040 ppm	102.5980 %	96.4908 %	101.3179 %	100.2073 %	94.9133 %	99.8279 %
Concentration per Run 3	-0.0045 ppm	103.8465 %	97.0253 %	101.3615 %	101.2329 %	95.6280 %	99.5574 %
Recovery Percentage 1	-84.014 %	1.1 %	0.5 %	0.2 %	0.7 %	0.4 %	0.2 %
Concentration RSD	5.4 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2112565-2 WG2112565

Analysis started at: 9/10/2025 10:56:40 PM

Rack 1

Vial 45

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0461 ppm	1.9574 ppm	0.1149 ppm	0.9686 ppm	1.9106 ppm	0.0485 ppm	9.9677 ppm
Concentration per Run 1	0.0467 ppm	1.9521 ppm	0.1151 ppm	0.9646 ppm	1.9018 ppm	0.0484 ppm	9.9703 ppm
Concentration per Run 2	0.0452 ppm	1.9641 ppm	0.1139 ppm	0.9730 ppm	1.9227 ppm	0.0486 ppm	9.9496 ppm
Concentration per Run 3	0.0464 ppm	1.9559 ppm	0.1157 ppm	0.9682 ppm	1.9072 ppm	0.0484 ppm	9.9831 ppm
Concentration RSD	1.7 %	0.3 %	0.8 %	0.4 %	0.6 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0517 ppm	0.4797 ppm	0.1938 ppm	0.2370 ppm	0.9594 ppm	9.9820 ppm	0.0015 ppm
Concentration per Run 1	0.0514 ppm	0.4794 ppm	0.1935 ppm	0.2360 ppm	0.9570 ppm	9.9887 ppm	0.0016 ppm
Concentration per Run 2	0.0519 ppm	0.4784 ppm	0.1959 ppm	0.2378 ppm	0.9599 ppm	10.0099 ppm	0.0014 ppm
Concentration per Run 3	0.0519 ppm	0.4814 ppm	0.1920 ppm	0.2373 ppm	0.9611 ppm	9.9474 ppm	0.0015 ppm
Concentration RSD	0.6 %	0.3 %	1.0 %	0.4 %	0.2 %	0.3 %	9.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.6590 ppm	0.4962 ppm	0.9802 ppm	10.0668 ppm	0.4833 ppm	0.5232 ppm	0.4900 ppm
Concentration per Run 1	9.6452 ppm	0.4936 ppm	0.9736 ppm	10.0648 ppm	0.4851 ppm	0.5216 ppm	0.4945 ppm
Concentration per Run 2	9.6473 ppm	0.4980 ppm	0.9832 ppm	10.0352 ppm	0.4816 ppm	0.5225 ppm	0.4866 ppm
Concentration per Run 3	9.6844 ppm	0.4970 ppm	0.9839 ppm	10.1005 ppm	0.4831 ppm	0.5256 ppm	0.4890 ppm
Concentration RSD	0.2 %	0.5 %	0.6 %	0.3 %	0.4 %	0.4 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1168 ppm	0.9487 ppm	0.9559 ppm	0.9582 ppm	0.9788 ppm	0.4934 ppm	0.4934 ppm
Concentration per Run 1	0.1179 ppm	0.9472 ppm	0.9548 ppm	0.9524 ppm	0.9732 ppm	0.1152 ppm	0.4922 ppm
Concentration per Run 2	0.1155 ppm	0.9493 ppm	0.9622 ppm	0.9653 ppm	0.9807 ppm	0.1194 ppm	0.4926 ppm
Concentration per Run 3	0.1169 ppm	0.9495 ppm	0.9506 ppm	0.9570 ppm	0.9825 ppm	0.1134 ppm	0.4953 ppm
Concentration RSD	1.0 %	0.1 %	0.6 %	0.7 %	0.5 %	2.6 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4914 ppm	104.7497 %	98.7357 %	99.6260 %	101.6979 %	97.2478 %	98.7998 %
Concentration per Run 1	0.4926 ppm	104.4329 %	99.2076 %	99.8676 %	101.0404 %	97.8377 %	99.1312 %
Concentration per Run 2	0.4908 ppm	104.6318 %	98.0702 %	99.5653 %	101.8741 %	96.6528 %	98.2989 %
Concentration per Run 3	0.4909 ppm	105.1844 %	98.9293 %	99.4451 %	102.1791 %	97.2529 %	98.9694 %
Concentration RSD	0.2 %	0.4 %	0.6 %	0.2 %	0.6 %	0.6 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554504-01 WG2112565

Analysis started at: 9/10/2025 10:59:55 PM

Rack 1

Vial 46

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0015 ppm	-0.0194 ppm	-0.0011 ppm	0.0240 ppm	0.0411 ppm	0.0000 ppm	89.4321 ppm
Concentration per Run 1	-0.0009 ppm	-0.0283 ppm	-0.0054 ppm	0.0240 ppm	0.0413 ppm	-0.0001 ppm	89.7785 ppm
Concentration per Run 2	-0.0016 ppm	-0.0161 ppm	0.0003 ppm	0.0240 ppm	0.0410 ppm	0.0000 ppm	89.3574 ppm
Concentration per Run 3	-0.0021 ppm	-0.0140 ppm	0.0017 ppm	0.0240 ppm	0.0409 ppm	0.0000 ppm	89.1605 ppm
Concentration RSD	38.5 %	39.7 %	326.1 %	0.0 %	0.5 %	115.1 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	-0.0008 ppm	0.0009 ppm	-0.0003 ppm	0.0066 ppm	2.0167 ppm	0.0040 ppm
Concentration per Run 1	-0.0007 ppm	-0.0011 ppm	0.0014 ppm	-0.0002 ppm	0.0073 ppm	2.0299 ppm	0.0038 ppm
Concentration per Run 2	-0.0003 ppm	-0.0006 ppm	0.0011 ppm	0.0000 ppm	0.0051 ppm	1.9940 ppm	0.0038 ppm
Concentration per Run 3	-0.0007 ppm	-0.0008 ppm	0.0002 ppm	-0.0005 ppm	0.0072 ppm	2.0262 ppm	0.0045 ppm
Concentration RSD	39.3 %	30.4 %	71.4 %	103.5 %	19.7 %	1.0 %	12.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.3259 ppm	0.2956 ppm	0.0023 ppm	143.0316 ppm	0.0011 ppm	0.0057 ppm	0.0082 ppm
Concentration per Run 1	1.3267 ppm	0.2970 ppm	0.0028 ppm	142.8457 ppm	-0.0006 ppm	0.0027 ppm	0.0037 ppm
Concentration per Run 2	1.3245 ppm	0.2941 ppm	0.0022 ppm	143.5705 ppm	0.0028 ppm	0.0063 ppm	0.0080 ppm
Concentration per Run 3	1.3264 ppm	0.2955 ppm	0.0020 ppm	142.6787 ppm	0.0012 ppm	0.0080 ppm	0.0127 ppm
Concentration RSD	0.1 %	0.5 %	17.7 %	0.3 %	150.7 %	48.2 %	54.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0037 ppm	3.4990 ppm	-0.0006 ppm	0.2489 ppm	0.0027 ppm	0.0006 ppm	0.0012 ppm
Concentration per Run 1	0.0069 ppm	3.4938 ppm	-0.0016 ppm	0.2506 ppm	0.0026 ppm	0.0026 ppm	0.0015 ppm
Concentration per Run 2	0.0031 ppm	3.5021 ppm	0.0006 ppm	0.2481 ppm	0.0028 ppm	-0.0031 ppm	0.0014 ppm
Concentration per Run 3	0.0012 ppm	3.5012 ppm	-0.0008 ppm	0.2480 ppm	0.0027 ppm	0.0024 ppm	0.0007 ppm
Concentration RSD	77.9 %	0.1 %	191.7 %	0.6 %	2.6 %	504.0 %	33.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0037 ppm	106.2086 %	96.8036 %	101.7861 %	102.7648 %	95.3642 %	100.4454 %
Concentration per Run 1	-0.0042 ppm	107.1469 %	95.3384 %	101.5793 %	103.4100 %	94.7349 %	100.7748 %
Concentration per Run 2	-0.0036 ppm	105.7058 %	96.6270 %	101.2185 %	102.3134 %	94.8867 %	99.8595 %
Concentration per Run 3	-0.0034 ppm	105.7730 %	98.4453 %	102.5604 %	102.5709 %	96.4708 %	100.7021 %
Concentration RSD	10.4 %	0.8 %	1.6 %	0.7 %	0.6 %	1.0 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112565-3 WG2112565

Analysis started at: 9/10/2025 11:03:10 PM

Rack 1

Vial 47

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0482 ppm	2.0032 ppm	0.1196 ppm	1.0242 ppm	1.9882 ppm	0.0502 ppm	99.0713 ppm
Concentration per Run 1	0.0481 ppm	1.9923 ppm	0.1217 ppm	1.0174 ppm	1.9775 ppm	0.0500 ppm	99.1543 ppm
Concentration per Run 2	0.0485 ppm	2.0088 ppm	0.1179 ppm	1.0394 ppm	1.9934 ppm	0.0501 ppm	98.7959 ppm
Concentration per Run 3	0.0480 ppm	2.0086 ppm	0.1191 ppm	1.0156 ppm	1.9937 ppm	0.0504 ppm	99.2638 ppm
Concentration RSD	0.5 %	0.5 %	1.6 %	1.3 %	0.5 %	0.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0523 ppm	0.4956 ppm	0.1996 ppm	0.2598 ppm	0.9714 ppm	12.3154 ppm	0.0050 ppm
Concentration per Run 1	0.0516 ppm	0.4865 ppm	0.1982 ppm	0.2577 ppm	0.9696 ppm	12.2868 ppm	0.0048 ppm
Concentration per Run 2	0.0534 ppm	0.5065 ppm	0.2035 ppm	0.2621 ppm	0.9682 ppm	12.3136 ppm	0.0040 ppm
Concentration per Run 3	0.0520 ppm	0.4938 ppm	0.1972 ppm	0.2597 ppm	0.9764 ppm	12.3459 ppm	0.0063 ppm
Concentration RSD	1.8 %	2.0 %	1.7 %	0.9 %	0.4 %	0.2 %	23.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.3175 ppm	0.7984 ppm	1.0222 ppm	152.4492 ppm	0.4990 ppm	0.5310 ppm	0.5152 ppm
Concentration per Run 1	11.1846 ppm	0.7943 ppm	1.0098 ppm	153.2306 ppm	0.4973 ppm	0.5365 ppm	0.5098 ppm
Concentration per Run 2	11.4931 ppm	0.7976 ppm	1.0385 ppm	152.0580 ppm	0.5067 ppm	0.5277 ppm	0.5303 ppm
Concentration per Run 3	11.2747 ppm	0.8033 ppm	1.0182 ppm	152.0608 ppm	0.4930 ppm	0.5289 ppm	0.5054 ppm
Concentration RSD	1.4 %	0.6 %	1.4 %	0.4 %	1.4 %	0.9 %	2.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1215 ppm	4.6466 ppm	0.9951 ppm	1.2202 ppm	1.0212 ppm	0.1189 ppm	0.5166 ppm
Concentration per Run 1	0.1237 ppm	4.6067 ppm	0.9874 ppm	1.2092 ppm	1.0109 ppm	0.1204 ppm	0.5089 ppm
Concentration per Run 2	0.1229 ppm	4.7167 ppm	1.0152 ppm	1.2221 ppm	1.0373 ppm	0.1200 ppm	0.5251 ppm
Concentration per Run 3	0.1180 ppm	4.6163 ppm	0.9828 ppm	1.2293 ppm	1.0152 ppm	0.1163 ppm	0.5157 ppm
Concentration RSD	2.5 %	1.3 %	1.8 %	0.8 %	1.4 %	1.9 %	1.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4994 ppm	103.8954 %	96.9671 %	100.5899 %	101.1416 %	95.1981 %	99.4685 %
Concentration per Run 1	0.4962 ppm	104.3382 %	98.0975 %	100.5120 %	101.1015 %	96.1013 %	100.2454 %
Concentration per Run 2	0.5093 ppm	101.5520 %	96.7662 %	100.1057 %	100.0529 %	94.9477 %	98.7540 %
Concentration per Run 3	0.4929 ppm	105.7961 %	96.0376 %	101.1518 %	102.2703 %	94.5452 %	99.4061 %
Concentration RSD	1.7 %	2.1 %	1.1 %	0.5 %	1.1 %	0.8 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2112565-4 WG2112565

Analysis started at: 9/10/2025 11:06:25 PM

Rack 1

Vial 48

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0013 ppm	-0.0204 ppm	-0.0036 ppm	0.0261 ppm	0.0407 ppm	0.0000 ppm	88.5478 ppm
Concentration per Run 1	-0.0011 ppm	-0.0269 ppm	-0.0013 ppm	0.0262 ppm	0.0406 ppm	0.0000 ppm	88.5694 ppm
Concentration per Run 2	-0.0014 ppm	-0.0180 ppm	-0.0049 ppm	0.0255 ppm	0.0410 ppm	0.0000 ppm	89.2268 ppm
Concentration per Run 3	-0.0013 ppm	-0.0163 ppm	-0.0046 ppm	0.0265 ppm	0.0406 ppm	-0.0001 ppm	87.8472 ppm
Concentration RSD	9.5 %	27.8 %	55.1 %	1.8 %	0.5 %	165.5 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0008 ppm	-0.0008 ppm	0.0001 ppm	0.0004 ppm	0.0020 ppm	2.0100 ppm	0.0042 ppm
Concentration per Run 1	-0.0007 ppm	-0.0015 ppm	0.0008 ppm	0.0011 ppm	0.0047 ppm	2.0131 ppm	0.0037 ppm
Concentration per Run 2	-0.0010 ppm	-0.0007 ppm	0.0003 ppm	0.0003 ppm	0.0013 ppm	2.0296 ppm	0.0041 ppm
Concentration per Run 3	-0.0006 ppm	-0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	1.9871 ppm	0.0049 ppm
Concentration RSD	26.8 %	73.7 %	599.1 %	136.1 %	118.0 %	1.1 %	14.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.3189 ppm	0.2928 ppm	0.0030 ppm	141.5588 ppm	-0.0011 ppm	0.0019 ppm	0.0006 ppm
Concentration per Run 1	1.3125 ppm	0.2924 ppm	0.0027 ppm	141.4986 ppm	-0.0015 ppm	-0.0012 ppm	-0.0038 ppm
Concentration per Run 2	1.3214 ppm	0.2940 ppm	0.0047 ppm	142.0503 ppm	-0.0018 ppm	0.0003 ppm	0.0089 ppm
Concentration per Run 3	1.3228 ppm	0.2920 ppm	0.0015 ppm	141.1277 ppm	0.0000 ppm	0.0067 ppm	-0.0034 ppm
Concentration RSD	0.4 %	0.4 %	53.7 %	0.3 %	90.7 %	216.8 %	1,270.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0073 ppm	3.4797 ppm	-0.0011 ppm	0.2465 ppm	0.0024 ppm	-0.0018 ppm	0.0012 ppm
Concentration per Run 1	0.0060 ppm	3.4629 ppm	-0.0001 ppm	0.2459 ppm	0.0031 ppm	0.0016 ppm	0.0012 ppm
Concentration per Run 2	0.0051 ppm	3.4928 ppm	-0.0003 ppm	0.2486 ppm	0.0017 ppm	-0.0057 ppm	0.0018 ppm
Concentration per Run 3	0.0108 ppm	3.4835 ppm	-0.0031 ppm	0.2450 ppm	0.0025 ppm	-0.0012 ppm	0.0005 ppm
Concentration RSD	41.9 %	0.4 %	149.3 %	0.8 %	28.1 %	206.0 %	53.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0045 ppm	106.0053 %	96.9650 %	100.6086 %	102.5960 %	95.4606 %	99.3866 %
Concentration per Run 1	-0.0042 ppm	106.8151 %	96.7605 %	101.2397 %	103.0315 %	95.1576 %	99.4570 %
Concentration per Run 2	-0.0045 ppm	104.5890 %	96.8579 %	100.1431 %	101.8974 %	95.6984 %	99.3730 %
Concentration per Run 3	-0.0048 ppm	106.6119 %	97.2768 %	100.4431 %	102.8590 %	95.5259 %	99.3299 %
Concentration RSD	6.1 %	1.2 %	0.3 %	0.6 %	0.6 %	0.3 %	0.1 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2554097-01 WG2112565

Analysis started at: 9/10/2025 11:09:40 PM

Rack 1

Vial 49

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	-0.0062 ppm	-0.0011 ppm	0.0048 ppm	0.0612 ppm	0.0000 ppm	35.4746 ppm
Concentration per Run 1	-0.0010 ppm	-0.0056 ppm	-0.0012 ppm	0.0057 ppm	0.0609 ppm	-0.0001 ppm	35.4467 ppm
Concentration per Run 2	-0.0012 ppm	-0.0095 ppm	0.0002 ppm	0.0030 ppm	0.0618 ppm	0.0000 ppm	35.5544 ppm
Concentration per Run 3	-0.0018 ppm	-0.0035 ppm	-0.0024 ppm	0.0055 ppm	0.0610 ppm	0.0000 ppm	35.4227 ppm
Concentration RSD	29.6 %	49.3 %	118.3 %	31.7 %	0.8 %	48.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0015 ppm	0.0000 ppm	0.0066 ppm	0.6258 ppm	0.0018 ppm
Concentration per Run 1	-0.0005 ppm	0.0004 ppm	0.0013 ppm	-0.0009 ppm	0.0051 ppm	0.6192 ppm	0.0013 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	0.0022 ppm	-0.0008 ppm	0.0075 ppm	0.6394 ppm	0.0023 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	0.0010 ppm	0.0015 ppm	0.0073 ppm	0.6186 ppm	0.0017 ppm
Concentration RSD	197.0 %	210.5 %	40.9 %	3.819.8 %	20.4 %	1.9 %	29.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.0851 ppm	1.7039 ppm	-0.0001 ppm	140.2355 ppm	0.0009 ppm	0.0028 ppm	0.0100 ppm
Concentration per Run 1	2.0847 ppm	1.7059 ppm	0.0001 ppm	139.2212 ppm	0.0025 ppm	0.0025 ppm	0.0048 ppm
Concentration per Run 2	2.0791 ppm	1.7054 ppm	0.0013 ppm	141.2042 ppm	-0.0009 ppm	0.0044 ppm	0.0071 ppm
Concentration per Run 3	2.0915 ppm	1.7004 ppm	-0.0017 ppm	140.2811 ppm	0.0010 ppm	0.0015 ppm	0.0180 ppm
Concentration RSD	0.3 %	0.2 %	1.322.3 %	0.7 %	190.8 %	52.9 %	70.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0056 ppm	0.2861 ppm	-0.0003 ppm	0.1184 ppm	0.0020 ppm	-0.0013 ppm	0.0001 ppm
Concentration per Run 1	0.0071 ppm	0.2867 ppm	-0.0015 ppm	0.1173 ppm	0.0016 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run 2	0.0032 ppm	0.2876 ppm	0.0013 ppm	0.1198 ppm	0.0025 ppm	-0.0014 ppm	0.0003 ppm
Concentration per Run 3	0.0066 ppm	0.2841 ppm	-0.0006 ppm	0.1182 ppm	0.0018 ppm	-0.0011 ppm	-0.0001 ppm
Concentration RSD	37.5 %	0.6 %	526.5 %	1.1 %	22.9 %	16.1 %	170.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0019 ppm	105.3607 %	97.9715 %	101.2791 %	102.4797 %	96.2912 %	100.1129 %
Concentration per Run 1	-0.0019 ppm	105.3220 %	98.3201 %	101.4375 %	102.8358 %	96.4867 %	99.8317 %
Concentration per Run 2	-0.0021 ppm	104.3882 %	97.3258 %	100.6307 %	101.0222 %	95.9938 %	100.0604 %
Concentration per Run 3	-0.0018 ppm	106.3719 %	98.2685 %	101.7691 %	103.5811 %	96.3932 %	100.4465 %
Concentration RSD	8.0 %	0.9 %	0.6 %	0.6 %	1.3 %	0.3 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554117-01 WG2112565

Analysis started at: 9/10/2025 11:12:53 PM

Rack 1

Vial 50

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0019 ppm	-0.0167 ppm	-0.0022 ppm	0.0055 ppm	0.0572 ppm	0.0000 ppm	46.0469 ppm
Concentration per Run 1	-0.0032 ppm	-0.0211 ppm	-0.0034 ppm	0.0062 ppm	0.0571 ppm	-0.0001 ppm	46.1061 ppm
Concentration per Run 2	-0.0008 ppm	-0.0165 ppm	-0.0009 ppm	0.0067 ppm	0.0577 ppm	0.0000 ppm	45.8981 ppm
Concentration per Run 3	-0.0018 ppm	-0.0124 ppm	-0.0023 ppm	0.0036 ppm	0.0568 ppm	0.0000 ppm	46.1363 ppm
Concentration RSD	62.9 %	26.1 %	55.5 %	29.9 %	0.8 %	51.9 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0008 ppm	0.0011 ppm	0.0072 ppm	0.1942 ppm	0.0010 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0007 ppm	0.0085 ppm	0.1945 ppm	0.0010 ppm
Concentration per Run 2	0.0001 ppm	-0.0010 ppm	0.0010 ppm	0.0003 ppm	0.0063 ppm	0.1946 ppm	0.0018 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0023 ppm	0.0068 ppm	0.1936 ppm	0.0003 ppm
Concentration RSD	423.0 %	235.3 %	32.9 %	92.4 %	16.3 %	0.3 %	77.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.2374 ppm	0.1991 ppm	-0.0010 ppm	137.1982 ppm	0.0001 ppm	0.0037 ppm	0.0010 ppm
Concentration per Run 1	3.2507 ppm	0.1974 ppm	-0.0011 ppm	137.8449 ppm	0.0009 ppm	0.0035 ppm	-0.0038 ppm
Concentration per Run 2	3.2385 ppm	0.2003 ppm	-0.0017 ppm	136.9363 ppm	-0.0002 ppm	0.0059 ppm	0.0042 ppm
Concentration per Run 3	3.2250 ppm	0.1997 ppm	-0.0001 ppm	136.8132 ppm	-0.0003 ppm	0.0017 ppm	0.0027 ppm
Concentration RSD	0.4 %	0.8 %	83.6 %	0.4 %	536.0 %	56.7 %	418.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0041 ppm	0.2263 ppm	-0.0010 ppm	0.2051 ppm	0.0021 ppm	-0.0034 ppm	0.0010 ppm
Concentration per Run 1	-0.0015 ppm	0.2271 ppm	-0.0031 ppm	0.2040 ppm	0.0015 ppm	-0.0054 ppm	0.0005 ppm
Concentration per Run 2	0.0063 ppm	0.2269 ppm	0.0012 ppm	0.2063 ppm	0.0023 ppm	0.0001 ppm	0.0014 ppm
Concentration per Run 3	0.0076 ppm	0.2248 ppm	-0.0012 ppm	0.2049 ppm	0.0024 ppm	-0.0049 ppm	0.0010 ppm
Concentration RSD	118.4 %	0.6 %	208.5 %	0.6 %	25.0 %	90.3 %	43.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0039 ppm	106.0592 %	96.9349 %	101.8979 %	102.9089 %	95.0772 %	101.2513 %
Concentration per Run 1	0.0038 ppm	105.6203 %	97.1258 %	101.4664 %	102.8679 %	95.3459 %	100.7686 %
Concentration per Run 2	0.0045 ppm	106.0682 %	96.3463 %	102.2854 %	103.4383 %	94.6102 %	101.7100 %
Concentration per Run 3	0.0035 ppm	106.4890 %	97.3325 %	101.9417 %	102.4204 %	95.2755 %	101.2754 %
Concentration RSD	11.9 %	0.4 %	0.5 %	0.4 %	0.5 %	0.4 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554117-02 WG2112565

Analysis started at: 9/10/2025 11:16:06 PM

Rack 1

Vial 51

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0025 ppm	-0.0121 ppm	-0.0018 ppm	0.0036 ppm	0.0524 ppm	0.0000 ppm	39.2935 ppm
Concentration per Run 1	-0.0018 ppm	-0.0130 ppm	0.0002 ppm	0.0063 ppm	0.0527 ppm	0.0000 ppm	39.3790 ppm
Concentration per Run 2	-0.0028 ppm	-0.0064 ppm	-0.0009 ppm	0.0037 ppm	0.0519 ppm	0.0000 ppm	39.0097 ppm
Concentration per Run 3	-0.0029 ppm	-0.0168 ppm	-0.0045 ppm	0.0069 ppm	0.0527 ppm	-0.0001 ppm	39.4917 ppm
Concentration RSD	24.7 %	43.3 %	140.5 %	30.4 %	0.8 %	26.0 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0010 ppm	0.0012 ppm	0.0013 ppm	0.0004 ppm	0.1489 ppm	0.0010 ppm
Concentration per Run 1	0.0000 ppm	-0.0005 ppm	0.0003 ppm	0.0024 ppm	-0.0007 ppm	0.1692 ppm	0.0015 ppm
Concentration per Run 2	-0.0002 ppm	0.0016 ppm	0.0007 ppm	0.0007 ppm	-0.0008 ppm	0.1377 ppm	0.0003 ppm
Concentration per Run 3	-0.0004 ppm	0.0020 ppm	0.0027 ppm	0.0009 ppm	0.0026 ppm	0.1396 ppm	0.0012 ppm
Concentration RSD	82.5 %	132.0 %	104.7 %	72.1 %	536.2 %	11.9 %	58.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.3991 ppm	0.2589 ppm	-0.0007 ppm	136.9651 ppm	0.0014 ppm	0.0003 ppm	0.0042 ppm
Concentration per Run 1	3.3990 ppm	0.2592 ppm	-0.0006 ppm	137.4489 ppm	0.0001 ppm	0.0017 ppm	0.0081 ppm
Concentration per Run 2	3.4074 ppm	0.2587 ppm	-0.0015 ppm	135.6911 ppm	0.0025 ppm	-0.0009 ppm	0.0019 ppm
Concentration per Run 3	3.3908 ppm	0.2587 ppm	0.0000 ppm	137.7553 ppm	0.0017 ppm	0.0002 ppm	0.0026 ppm
Concentration RSD	0.2 %	0.1 %	113.0 %	0.8 %	83.4 %	412.3 %	81.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0046 ppm	0.2042 ppm	0.0000 ppm	0.1703 ppm	0.0019 ppm	-0.0025 ppm	0.0009 ppm
Concentration per Run 1	0.0052 ppm	0.2036 ppm	0.0007 ppm	0.1710 ppm	0.0023 ppm	-0.0052 ppm	0.0007 ppm
Concentration per Run 2	0.0062 ppm	0.2016 ppm	0.0002 ppm	0.1695 ppm	0.0025 ppm	-0.0007 ppm	0.0014 ppm
Concentration per Run 3	0.0025 ppm	0.2073 ppm	-0.0011 ppm	0.1703 ppm	0.0010 ppm	-0.0015 ppm	0.0006 ppm
Concentration RSD	41.1 %	1.4 %	1.908.4 %	0.4 %	41.2 %	96.0 %	47.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0071 ppm	106.7789 %	106.7789 %	101.9556 %	103.3140 %	96.2019 %	100.7066 %
Concentration per Run 1	0.0069 ppm	107.2666 %	107.2666 %	102.3172 %	104.2845 %	96.3963 %	100.8785 %
Concentration per Run 2	0.0067 ppm	106.1722 %	106.1722 %	99.6649 %	103.1237 %	97.6073 %	100.7996 %
Concentration per Run 3	0.0077 ppm	106.8980 %	106.8980 %	101.5588 %	102.5339 %	94.6021 %	100.4417 %
Concentration RSD	7.4 %	0.5 %	0.5 %	1.4 %	0.9 %	1.6 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCV
Analysis started at: 9/10/2025 11:19:20 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4780 ppm	0.4731 ppm		0.4900 ppm	0.4921 ppm	0.5062 ppm	0.5034 ppm
Concentration per Run 1	0.4775 ppm	0.4664 ppm		0.4919 ppm	0.4932 ppm	0.5058 ppm	0.5111 ppm
Concentration per Run 2	0.4786 ppm	0.4764 ppm		0.4906 ppm	0.4878 ppm	0.5044 ppm	0.5023 ppm
Concentration per Run 3	0.4779 ppm	0.4764 ppm		0.4875 ppm	0.4954 ppm	0.5084 ppm	0.4967 ppm
Recovery Percentage 1	95.598 %	94.614 %		98.004 %	98.420 %	101.240 %	100.676 %
Concentration RSD	0.1 %	1.2 %		0.5 %	0.8 %	0.4 %	1.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5023 ppm	0.5052 ppm	0.5015 ppm	0.4915 ppm	0.4927 ppm	5.1348 ppm	0.5192 ppm
Concentration per Run 1	0.5013 ppm	0.5056 ppm	0.5053 ppm	0.4923 ppm	0.4924 ppm	5.1484 ppm	0.5222 ppm
Concentration per Run 2	0.5037 ppm	0.5076 ppm	0.5005 ppm	0.4896 ppm	0.4936 ppm	5.0892 ppm	0.5137 ppm
Concentration per Run 3	0.5019 ppm	0.5026 ppm	0.4987 ppm	0.4925 ppm	0.4922 ppm	5.1669 ppm	0.5217 ppm
Recovery Percentage 1	100.458 %	101.047 %	100.300 %	98.295 %	98.549 %	102.697 %	103.846 %
Concentration RSD	0.3 %	0.5 %	0.7 %	0.3 %	0.2 %	0.8 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4987 ppm	0.5139 ppm	0.4920 ppm	10.2159 ppm	0.5045 ppm	0.5026 ppm	0.5123 ppm
Concentration per Run 1	0.4962 ppm	0.5160 ppm	0.4929 ppm	10.2832 ppm	0.5028 ppm	0.4986 ppm	0.5034 ppm
Concentration per Run 2	0.4989 ppm	0.5103 ppm	0.4905 ppm	10.2153 ppm	0.5076 ppm	0.5080 ppm	0.5174 ppm
Concentration per Run 3	0.5012 ppm	0.5154 ppm	0.4927 ppm	10.1494 ppm	0.5032 ppm	0.5011 ppm	0.5160 ppm
Recovery Percentage 1	99.749 %	102.776 %	98.409 %	102.159 %	100.903 %	100.513 %	102.456 %
Concentration RSD	0.5 %	0.6 %	0.3 %	0.7 %	0.5 %	1.0 %	1.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4815 ppm	5.2606 ppm	0.4861 ppm	0.4972 ppm	0.4958 ppm	0.4846 ppm	0.5058 ppm
Concentration per Run 1	0.4841 ppm	5.2236 ppm	0.4844 ppm	0.4984 ppm	0.4968 ppm	0.4849 ppm	0.5046 ppm
Concentration per Run 2	0.4753 ppm	5.2806 ppm	0.4823 ppm	0.4931 ppm	0.4939 ppm	0.4799 ppm	0.5059 ppm
Concentration per Run 3	0.4852 ppm	5.2776 ppm	0.4915 ppm	0.5000 ppm	0.4967 ppm	0.4890 ppm	0.5067 ppm
Recovery Percentage 1	96.307 %	100.202 %	97.211 %	99.434 %	99.162 %	96.919 %	101.150 %
Concentration RSD	1.1 %	0.6 %	1.0 %	0.7 %	0.3 %	0.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5101 ppm	105.6346 %	99.7448 %	101.6689 %	103.1052 %	97.9387 %	100.1776 %
Concentration per Run 1	0.5103 ppm	105.7854 %	99.1624 %	101.7207 %	103.6150 %	97.9269 %	100.1893 %
Concentration per Run 2	0.5110 ppm	104.5285 %	100.4481 %	101.5986 %	102.0172 %	98.0544 %	101.0036 %
Concentration per Run 3	0.5092 ppm	106.5897 %	99.6238 %	101.6875 %	103.6835 %	97.8349 %	99.3399 %
Recovery Percentage 1	102.027 %						
Concentration RSD	0.2 %	1.0 %	0.7 %	0.1 %	0.9 %	0.1 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/10/2025 11:22:34 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0021 ppm	-0.0216 ppm	-0.0045 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 1	-0.0026 ppm	-0.0146 ppm	-0.0030 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 2	-0.0022 ppm	-0.0258 ppm	-0.0037 ppm	-0.0012 ppm	-0.0001 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 3	-0.0016 ppm	-0.0246 ppm	-0.0069 ppm	-0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0032 ppm
Recovery Percentage 1	-29.918 %	-21.647 %	-89.938 %	-0.394 %	-1.740 %	-0.479 %	1.880 %
Concentration RSD	24.4 %	28.2 %	46.0 %	978.9 %	41.3 %	153.0 %	103.8 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0001 ppm	-0.0009 ppm	0.0009 ppm	-0.0002 ppm	-0.0015 ppm	-0.0060 ppm	0.0010 ppm
Concentration per Run 1	0.0003 ppm	-0.0001 ppm	0.0011 ppm	-0.0003 ppm	-0.0011 ppm	-0.0156 ppm	0.0013 ppm
Concentration per Run 2	0.0001 ppm	-0.0017 ppm	0.0018 ppm	0.0010 ppm	-0.0010 ppm	0.0016 ppm	0.0009 ppm
Concentration per Run 3	-0.0001 ppm	-0.0009 ppm	-0.0002 ppm	-0.0013 ppm	-0.0025 ppm	-0.0039 ppm	0.0006 ppm
Recovery Percentage 1	1.593 %	-4.460 %	9.092 %	-2.149 %	-3.040 %	-0.239 %	19.287 %
Concentration RSD	265.1 %	93.2 %	111.2 %	536.7 %	54.3 %	147.2 %	36.7 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0120 ppm	0.0000 ppm	0.0024 ppm	-0.0331 ppm	0.0002 ppm	0.0011 ppm	0.0072 ppm
Concentration per Run 1	0.0094 ppm	-0.0001 ppm	0.0027 ppm	-0.0352 ppm	0.0017 ppm	-0.0015 ppm	0.0051 ppm
Concentration per Run 2	0.0169 ppm	0.0002 ppm	0.0022 ppm	-0.0305 ppm	-0.0001 ppm	0.0032 ppm	0.0032 ppm
Concentration per Run 3	0.0095 ppm	0.0000 ppm	0.0024 ppm	-0.0336 ppm	-0.0011 ppm	0.0030 ppm	0.0134 ppm
Recovery Percentage 1	11.954 %	0.447 %	4.837 %	-1.656 %	0.686 %	10.968 %	14.468 %
Concentration RSD	36.1 %	312.5 %	9.9 %	7.2 %	816.4 %	209.7 %	75.2 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0044 ppm	-0.0053 ppm	-0.0011 ppm	0.0000 ppm	0.0025 ppm	-0.0003 ppm	0.0007 ppm
Concentration per Run 1	0.0059 ppm	-0.0052 ppm	-0.0035 ppm	-0.0001 ppm	0.0019 ppm	0.0042 ppm	0.0005 ppm
Concentration per Run 2	0.0023 ppm	-0.0052 ppm	-0.0001 ppm	-0.0001 ppm	0.0033 ppm	-0.0077 ppm	0.0007 ppm
Concentration per Run 3	0.0051 ppm	-0.0056 ppm	0.0002 ppm	0.0001 ppm	0.0022 ppm	0.0026 ppm	0.0007 ppm
Recovery Percentage 1	44.117 %	-1.064 %	-2.259 %	-0.188 %	24.574 %	-1.434 %	6.587 %
Concentration RSD	42.3 %	4.0 %	178.9 %	727.6 %	30.8 %	2,257.6 %	15.4 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.0003 ppm	103.7505 %	98.1235 %	99.8573 %	102.2574 %	97.9069 %	100.0443 %
Concentration per Run 1	0.0001 ppm	104.5438 %	98.1027 %	100.1292 %	102.8341 %	97.8221 %	100.2458 %
Concentration per Run 2	0.0004 ppm	103.0498 %	98.2886 %	99.7721 %	102.0685 %	97.8102 %	99.7114 %
Concentration per Run 3	0.0005 ppm	103.6578 %	97.9793 %	99.6706 %	101.8697 %	98.0884 %	100.1759 %
Recovery Percentage 1	6.363 %	0.7 %	0.2 %	0.2 %	0.5 %	0.2 %	0.3 %
Concentration RSD	74.2 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCV

Sample: 9/10/2025 11:25:49 PM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4795 ppm	0.4729 ppm		0.4866 ppm	0.4959 ppm	0.5105 ppm	0.5026 ppm
Concentration per Run 1	0.4814 ppm	0.4740 ppm		0.4835 ppm	0.4938 ppm	0.5097 ppm	0.5027 ppm
Concentration per Run 2	0.4777 ppm	0.4761 ppm		0.4875 ppm	0.4949 ppm	0.5089 ppm	0.5049 ppm
Concentration per Run 3	0.4793 ppm	0.4688 ppm		0.4888 ppm	0.4991 ppm	0.5130 ppm	0.5002 ppm
Recovery Percentage 1	95.896 %	94.589 %	94.002 %	97.319 %	99.185 %	102.109 %	100.514 %
Concentration RSD	0.4 %	0.8 %	0.5 %	0.6 %	0.6 %	0.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5029 ppm	0.5055 ppm	0.5027 ppm	0.4892 ppm	0.4949 ppm	5.1624 ppm	0.5215 ppm
Concentration per Run 1	0.5045 ppm	0.5061 ppm	0.5026 ppm	0.4924 ppm	0.4964 ppm	5.1663 ppm	0.5190 ppm
Concentration per Run 2	0.5045 ppm	0.5063 ppm	0.5028 ppm	0.4887 ppm	0.4897 ppm	5.1397 ppm	0.5195 ppm
Concentration per Run 3	0.4997 ppm	0.5042 ppm	0.5026 ppm	0.4864 ppm	0.4986 ppm	5.1812 ppm	0.5260 ppm
Recovery Percentage 1	100.580 %	101.102 %	100.532 %	97.840 %	98.986 %	103.248 %	104.299 %
Concentration RSD	0.6 %	0.2 %	0.0 %	0.6 %	0.9 %	0.4 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5016 ppm	0.5175 ppm	0.4946 ppm	10.2175 ppm	0.5027 ppm	0.5002 ppm	0.5070 ppm
Concentration per Run 1	0.5032 ppm	0.5169 ppm	0.4923 ppm	10.1935 ppm	0.5050 ppm	0.5000 ppm	0.5026 ppm
Concentration per Run 2	0.4956 ppm	0.5185 ppm	0.4948 ppm	10.1090 ppm	0.5016 ppm	0.5113 ppm	0.5113 ppm
Concentration per Run 3	0.5059 ppm	0.5173 ppm	0.4968 ppm	10.3500 ppm	0.5014 ppm	0.5069 ppm	0.5071 ppm
Recovery Percentage 1	100.313 %	103.508 %	98.927 %	102.175 %	100.530 %	100.043 %	101.397 %
Concentration RSD	1.1 %	0.2 %	0.5 %	1.2 %	0.4 %	1.3 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4830 ppm	5.2581 ppm	0.4872 ppm	0.5026 ppm	0.4970 ppm	0.4794 ppm	0.5032 ppm
Concentration per Run 1	0.4791 ppm	5.2816 ppm	0.4876 ppm	0.4999 ppm	0.4984 ppm	0.4827 ppm	0.5065 ppm
Concentration per Run 2	0.4810 ppm	5.2534 ppm	0.4883 ppm	0.5018 ppm	0.4939 ppm	0.4765 ppm	0.5020 ppm
Concentration per Run 3	0.4888 ppm	5.2394 ppm	0.4856 ppm	0.5060 ppm	0.4987 ppm	0.4791 ppm	0.5012 ppm
Recovery Percentage 1	96.591 %	100.155 %	97.434 %	100.518 %	99.402 %	95.885 %	100.645 %
Concentration RSD	1.1 %	0.4 %	0.3 %	0.6 %	0.5 %	0.7 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5096 ppm	106.3612 %	99.9163 %	102.7968 %	103.8528 %	98.5783 %	101.5286 %
Concentration per Run 1	0.5091 ppm	106.7271 %	99.5201 %	102.4499 %	104.2057 %	97.9461 %	101.0805 %
Concentration per Run 2	0.5101 ppm	106.4259 %	101.2719 %	104.2282 %	103.9212 %	99.8643 %	102.7813 %
Concentration per Run 3	0.5095 ppm	105.9305 %	98.9570 %	101.7124 %	103.4314 %	97.9244 %	100.7241 %
Recovery Percentage 1	101.914 %						
Concentration RSD	0.1 %	0.4 %	1.2 %	1.3 %	0.4 %	1.1 %	1.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/10/2025 11:29:04 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0018 ppm	-0.0178 ppm	-0.0015 ppm	0.0004 ppm	-0.0002 ppm	0.0000 ppm	-0.0020 ppm
Concentration per Run 1	-0.0021 ppm	-0.0142 ppm	-0.0012 ppm	-0.0018 ppm	-0.0004 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run 2	-0.0012 ppm	-0.0201 ppm	-0.0011 ppm	0.0025 ppm	-0.0001 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run 3	-0.0022 ppm	-0.0191 ppm	-0.0020 ppm	0.0006 ppm	-0.0002 ppm	0.0000 ppm	-0.0041 ppm
Recovery Percentage 1	-26.411 %	-17.815 %	-29.291 %	1.445 %	-2.266 %	-1.092 %	-1.956 %
Concentration RSD	32.2 %	17.6 %	32.4 %	498.6 %	64.0 %	69.2 %	140.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0003 ppm	0.0004 ppm	-0.0009 ppm	-0.0012 ppm	-0.0087 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0008 ppm	-0.0012 ppm	-0.0028 ppm	-0.0016 ppm	0.0104 ppm	0.0021 ppm
Concentration per Run 2	0.0001 ppm	0.0005 ppm	0.0018 ppm	0.0001 ppm	-0.0015 ppm	-0.0273 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	0.0006 ppm	0.0001 ppm	-0.0006 ppm	-0.0002 ppm	0.0002 ppm
Recovery Percentage 1	1.149 %	1.282 %	4.018 %	-8.563 %	-2.431 %	-0.350 %	14.320 %
Concentration RSD	20.4 %	267.9 %	385.9 %	196.1 %	46.2 %	215.3 %	164.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0111 ppm	0.0001 ppm	0.0022 ppm	-0.0379 ppm	-0.0010 ppm	0.0014 ppm	-0.0007 ppm
Concentration per Run 1	0.0090 ppm	0.0000 ppm	0.0020 ppm	-0.0372 ppm	-0.0002 ppm	0.0016 ppm	-0.0064 ppm
Concentration per Run 2	0.0096 ppm	0.0001 ppm	0.0024 ppm	-0.0377 ppm	-0.0008 ppm	0.0018 ppm	0.0030 ppm
Concentration per Run 3	0.0146 ppm	0.0001 ppm	0.0023 ppm	-0.0389 ppm	-0.0019 ppm	0.0008 ppm	0.0013 ppm
Recovery Percentage 1	11.076 %	0.666 %	4.437 %	-1.897 %	-3.896 %	14.059 %	-1.431 %
Concentration RSD	27.8 %	66.1 %	10.1 %	2.3 %	90.4 %	36.0 %	701.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0037 ppm	-0.0108 ppm	0.0003 ppm	-0.0001 ppm	0.0025 ppm	0.0005 ppm	0.0009 ppm
Concentration per Run 1	0.0030 ppm	-0.0143 ppm	0.0000 ppm	0.0000 ppm	0.0026 ppm	0.0014 ppm	0.0014 ppm
Concentration per Run 2	0.0028 ppm	-0.0105 ppm	-0.0010 ppm	0.0000 ppm	0.0026 ppm	0.0019 ppm	0.0006 ppm
Concentration per Run 3	0.0053 ppm	-0.0075 ppm	0.0019 ppm	-0.0002 ppm	0.0022 ppm	-0.0010 ppm	0.0006 ppm
Recovery Percentage 1	37.304 %	-2.153 %	0.602 %	-0.879 %	24.771 %	2.259 %	8.779 %
Concentration RSD	37.2 %	31.4 %	481.4 %	129.2 %	8.2 %	317.4 %	53.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	102.6121 %	97.1422 %	100.1033 %	101.0791 %	96.9997 %	99.7629 %
Concentration per Run 1	0.0005 ppm	102.6831 %	96.8836 %	99.8914 %	101.1516 %	96.2748 %	100.1977 %
Concentration per Run 2	0.0003 ppm	103.3065 %	97.3118 %	100.1648 %	101.9305 %	97.2465 %	99.8738 %
Concentration per Run 3	0.0000 ppm	101.8468 %	97.2311 %	100.2536 %	100.1550 %	97.4778 %	99.2172 %
Recovery Percentage 1	5.166 %	0.7 %	0.2 %	0.2 %	0.9 %	0.7 %	0.5 %
Concentration RSD	93.6 %	0.7 %	0.2 %	0.2 %	0.9 %	0.7 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCV

Sample: 9/11/2025 5:37:19 AM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4781 ppm	0.4640 ppm	0.4806 ppm	0.4853 ppm	0.4890 ppm	0.5067 ppm	0.4967 ppm
Concentration per Run 1	0.4767 ppm	0.4580 ppm	0.4833 ppm	0.4866 ppm	0.4867 ppm	0.5056 ppm	0.4953 ppm
Concentration per Run 2	0.4767 ppm	0.4646 ppm	0.4800 ppm	0.4768 ppm	0.4895 ppm	0.5085 ppm	0.5017 ppm
Concentration per Run 3	0.4810 ppm	0.4693 ppm	0.4786 ppm	0.4926 ppm	0.4909 ppm	0.5060 ppm	0.4930 ppm
Recovery Percentage 1	95.625 %	92.790 %	96.123 %	97.064 %	97.802 %	101.342 %	99.336 %
Concentration RSD	0.5 %	1.2 %	0.5 %	1.6 %	0.4 %	0.3 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5026 ppm	0.5045 ppm	0.4975 ppm	0.4896 ppm	0.4940 ppm	5.1142 ppm	0.5137 ppm
Concentration per Run 1	0.5019 ppm	0.5055 ppm	0.4944 ppm	0.4911 ppm	0.4971 ppm	5.1272 ppm	0.5112 ppm
Concentration per Run 2	0.5011 ppm	0.5016 ppm	0.4961 ppm	0.4876 ppm	0.4940 ppm	5.0962 ppm	0.5138 ppm
Concentration per Run 3	0.5048 ppm	0.5064 ppm	0.5020 ppm	0.4901 ppm	0.4909 ppm	5.1192 ppm	0.5160 ppm
Recovery Percentage 1	100.521 %	100.900 %	99.505 %	97.918 %	98.799 %	102.284 %	102.737 %
Concentration RSD	0.4 %	0.5 %	0.8 %	0.4 %	0.6 %	0.3 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4988 ppm	0.5104 ppm	0.4889 ppm	10.1745 ppm	0.4923 ppm	0.5027 ppm	0.5151 ppm
Concentration per Run 1	0.5031 ppm	0.5108 ppm	0.4881 ppm	10.1283 ppm	0.4891 ppm	0.5035 ppm	0.5090 ppm
Concentration per Run 2	0.4944 ppm	0.5108 ppm	0.4874 ppm	10.2211 ppm	0.4894 ppm	0.5050 ppm	0.5134 ppm
Concentration per Run 3	0.4988 ppm	0.5096 ppm	0.4912 ppm	10.1740 ppm	0.4984 ppm	0.4997 ppm	0.5230 ppm
Recovery Percentage 1	99.754 %	102.082 %	97.775 %	101.745 %	98.459 %	100.547 %	103.026 %
Concentration RSD	0.9 %	0.1 %	0.4 %	0.5 %	1.1 %	0.5 %	1.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4868 ppm	5.4672 ppm	0.4832 ppm	0.4946 ppm	0.4931 ppm	0.4838 ppm	0.5032 ppm
Concentration per Run 1	0.4905 ppm	5.4792 ppm	0.4805 ppm	0.4927 ppm	0.4918 ppm	0.4832 ppm	0.5021 ppm
Concentration per Run 2	0.4842 ppm	5.4456 ppm	0.4807 ppm	0.4958 ppm	0.4908 ppm	0.4836 ppm	0.5004 ppm
Concentration per Run 3	0.4855 ppm	5.4770 ppm	0.4883 ppm	0.4954 ppm	0.4966 ppm	0.4846 ppm	0.5070 ppm
Recovery Percentage 1	97.352 %	104.138 %	96.634 %	98.928 %	98.617 %	96.757 %	100.631 %
Concentration RSD	0.7 %	0.3 %	0.9 %	0.3 %	0.6 %	0.1 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5003 ppm	104.9418 %	99.2278 %	100.0070 %	101.8434 %	97.6845 %	98.5599 %
Concentration per Run 1	0.4986 ppm	105.5367 %	99.7439 %	99.3817 %	102.2034 %	98.0982 %	97.9122 %
Concentration per Run 2	0.4969 ppm	105.2992 %	98.2479 %	100.8668 %	102.1213 %	96.9375 %	99.4979 %
Concentration per Run 3	0.5053 ppm	103.9894 %	99.6915 %	99.7725 %	101.2054 %	98.0179 %	98.2697 %
Recovery Percentage 1	100.052 %	0.8 %	0.9 %	0.8 %	0.5 %	0.7 %	0.8 %
Concentration RSD	0.9 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/11/2025 5:40:47 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	-0.0212 ppm	-0.0022 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 1	-0.0006 ppm	-0.0247 ppm	-0.0034 ppm	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 2	-0.0014 ppm	-0.0264 ppm	-0.0050 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 3	-0.0006 ppm	-0.0125 ppm	0.0018 ppm	-0.0015 ppm	-0.0001 ppm	0.0000 ppm	0.0017 ppm
Recovery Percentage 1	-12.604 %	-21.213 %	-44.246 %	-1.581 %	-1.717 %	0.403 %	1.676 %
Concentration RSD	52.3 %	35.8 %	161.1 %	191.5 %	34.4 %	68.6 %	3.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0007 ppm	0.0011 ppm	0.0004 ppm	-0.0026 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run 1	0.0002 ppm	-0.0002 ppm	0.0005 ppm	-0.0003 ppm	-0.0011 ppm	0.0180 ppm	0.0005 ppm
Concentration per Run 2	-0.0002 ppm	0.0010 ppm	0.0014 ppm	0.0013 ppm	-0.0033 ppm	-0.0106 ppm	-0.0015 ppm
Concentration per Run 3	-0.0001 ppm	0.0014 ppm	0.0014 ppm	0.0002 ppm	-0.0033 ppm	-0.0092 ppm	-0.0006 ppm
Recovery Percentage 1	-0.093 %	3.675 %	10.756 %	4.202 %	-5.118 %	-0.024 %	-10.451 %
Concentration RSD	4.640.4 %	118.8 %	47.5 %	198.6 %	50.5 %	2,745.7 %	193.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0149 ppm	0.0002 ppm	0.0011 ppm	-0.0408 ppm	-0.0003 ppm	0.0024 ppm	0.0040 ppm
Concentration per Run 1	0.0137 ppm	0.0002 ppm	0.0010 ppm	-0.0379 ppm	-0.0026 ppm	0.0030 ppm	0.0059 ppm
Concentration per Run 2	0.0160 ppm	0.0003 ppm	-0.0001 ppm	-0.0458 ppm	0.0013 ppm	0.0035 ppm	0.0035 ppm
Concentration per Run 3	0.0151 ppm	0.0001 ppm	0.0025 ppm	-0.0388 ppm	0.0004 ppm	0.0017 ppm	0.0026 ppm
Recovery Percentage 1	14.926 %	1.753 %	2.245 %	-2.042 %	-1.108 %	24.110 %	8.040 %
Concentration RSD	7.5 %	69.5 %	116.2 %	10.5 %	737.5 %	29.2 %	42.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0036 ppm	-0.0056 ppm	0.0017 ppm	0.0000 ppm	0.0025 ppm	0.0030 ppm	0.0016 ppm
Concentration per Run 1	0.0048 ppm	-0.0076 ppm	0.0013 ppm	0.0000 ppm	0.0018 ppm	0.0042 ppm	0.0014 ppm
Concentration per Run 2	0.0026 ppm	-0.0039 ppm	0.0042 ppm	0.0000 ppm	0.0028 ppm	0.0040 ppm	0.0009 ppm
Concentration per Run 3	0.0034 ppm	-0.0052 ppm	-0.0003 ppm	0.0000 ppm	0.0028 ppm	0.0007 ppm	0.0024 ppm
Recovery Percentage 1	36.163 %	-1.118 %	3.463 %	0.190 %	24.504 %	14.817 %	15.598 %
Concentration RSD	31.3 %	34.0 %	129.5 %	109.8 %	23.1 %	66.4 %	47.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	102.5935 %	97.4957 %	98.6677 %	101.0406 %	97.8116 %	98.7253 %
Concentration per Run 1	0.0005 ppm	102.3997 %	96.0299 %	99.1364 %	101.1779 %	96.6658 %	99.4980 %
Concentration per Run 2	0.0002 ppm	103.0548 %	98.3554 %	98.6570 %	101.6181 %	98.5490 %	98.5684 %
Concentration per Run 3	0.0006 ppm	102.3259 %	98.1018 %	98.2096 %	100.3259 %	98.2201 %	98.1094 %
Recovery Percentage 1	8.256 %	0.4 %	1.3 %	0.5 %	0.7 %	1.0 %	0.7 %
Concentration RSD	45.2 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112844-1 WG2112844
Analysis started at: 9/11/2025 6:07:04 AM
Rack 1
Vial 52
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0015 ppm	-0.0205 ppm	-0.0044 ppm	-0.0015 ppm	-0.0003 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run 1	-0.0019 ppm	-0.0268 ppm	-0.0039 ppm	-0.0023 ppm	-0.0002 ppm	0.0000 ppm	0.0030 ppm
Concentration per Run 2	-0.0007 ppm	-0.0183 ppm	-0.0044 ppm	-0.0008 ppm	-0.0004 ppm	0.0000 ppm	0.0084 ppm
Concentration per Run 3	-0.0020 ppm	-0.0164 ppm	-0.0048 ppm	-0.0014 ppm	-0.0003 ppm	0.0000 ppm	0.0089 ppm
Recovery Percentage 1	-22.126 %	-20.517 %	-87.223 %	-4.977 %	-2.809 %	-0.373 %	6.755 %
Concentration RSD	48.9 %	27.0 %	9.8 %	50.8 %	39.6 %	20.8 %	48.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0006 ppm	0.0011 ppm	0.0006 ppm	-0.0025 ppm	-0.0146 ppm	-0.0004 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0021 ppm	0.0006 ppm	-0.0006 ppm	-0.0009 ppm	0.0006 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0010 ppm	0.0008 ppm	-0.0031 ppm	-0.0173 ppm	0.0002 ppm
Concentration per Run 3	-0.0002 ppm	-0.0005 ppm	0.0002 ppm	0.0005 ppm	-0.0036 ppm	-0.0256 ppm	-0.0020 ppm
Recovery Percentage 1	-3.099 %	-2.807 %	11.102 %	6.258 %	-4.923 %	-0.584 %	-7.854 %
Concentration RSD	17.3 %	94.9 %	82.8 %	21.0 %	65.0 %	85.9 %	355.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0115 ppm	0.0004 ppm	-0.0011 ppm	-0.0383 ppm	-0.0014 ppm	0.0042 ppm	0.0097 ppm
Concentration per Run 1	0.0086 ppm	0.0002 ppm	-0.0008 ppm	-0.0346 ppm	-0.0014 ppm	0.0025 ppm	0.0099 ppm
Concentration per Run 2	0.0111 ppm	0.0005 ppm	-0.0016 ppm	-0.0375 ppm	-0.0011 ppm	0.0063 ppm	0.0085 ppm
Concentration per Run 3	0.0147 ppm	0.0006 ppm	-0.0008 ppm	-0.0427 ppm	-0.0016 ppm	0.0039 ppm	0.0105 ppm
Recovery Percentage 1	11.494 %	4.466 %	-2.120 %	-1.915 %	-5.455 %	42.348 %	19.327 %
Concentration RSD	26.7 %	47.7 %	41.6 %	10.7 %	18.3 %	45.0 %	10.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	-0.0146 ppm	-0.0029 ppm	0.0000 ppm	0.0021 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 1	-0.0008 ppm	-0.0156 ppm	-0.0058 ppm	0.0000 ppm	0.0015 ppm	0.0029 ppm	0.0002 ppm
Concentration per Run 2	0.0028 ppm	-0.0135 ppm	-0.0031 ppm	0.0000 ppm	0.0018 ppm	0.0035 ppm	0.0012 ppm
Concentration per Run 3	0.0054 ppm	-0.0148 ppm	0.0000 ppm	0.0001 ppm	0.0029 ppm	-0.0064 ppm	0.0018 ppm
Recovery Percentage 1	24.807 %	-2.926 %	-5.894 %	0.045 %	20.952 %	0.077 %	10.415 %
Concentration RSD	125.4 %	7.1 %	98.6 %	1.5034 %	35.0 %	36.3122 %	78.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0009 ppm	103.9270 %	99.9589 %	101.0101 %	102.2580 %	99.6775 %	100.6897 %
Concentration per Run 1	0.0014 ppm	104.4294 %	99.6422 %	100.8253 %	102.2501 %	99.7774 %	100.1802 %
Concentration per Run 2	0.0005 ppm	104.0719 %	99.6549 %	101.7763 %	102.5854 %	99.6315 %	100.9153 %
Concentration per Run 3	0.0008 ppm	103.2798 %	100.5797 %	100.4286 %	101.9385 %	99.6237 %	100.9736 %
Recovery Percentage 1	18.822 %	0.6 %	0.5 %	0.7 %	0.3 %	0.1 %	0.4 %
Concentration RSD	49.0 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2112844-2 WG2112844

Analysis started at: 9/11/2025 6:10:31 AM

Rack 1

Vial 53

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0471 ppm	1.9678 ppm	0.1136 ppm	0.9470 ppm	1.9284 ppm	0.0490 ppm	9.9389 ppm
Concentration per Run 1	0.0474 ppm	1.9798 ppm	0.1134 ppm	0.9458 ppm	1.9377 ppm	0.0492 ppm	9.9656 ppm
Concentration per Run 2	0.0469 ppm	1.9571 ppm	0.1175 ppm	0.9497 ppm	1.9199 ppm	0.0488 ppm	9.9067 ppm
Concentration per Run 3	0.0470 ppm	1.9663 ppm	0.1101 ppm	0.9454 ppm	1.9278 ppm	0.0490 ppm	9.9445 ppm
Concentration RSD	0.6 %	0.6 %	3.3 %	0.3 %	0.5 %	0.4 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0517 ppm	0.4801 ppm	0.1911 ppm	0.2350 ppm	0.9687 ppm	10.1090 ppm	0.0001 ppm
Concentration per Run 1	0.0514 ppm	0.4775 ppm	0.1903 ppm	0.2354 ppm	0.9747 ppm	10.1297 ppm	0.0005 ppm
Concentration per Run 2	0.0518 ppm	0.4818 ppm	0.1914 ppm	0.2340 ppm	0.9637 ppm	10.0809 ppm	0.0002 ppm
Concentration per Run 3	0.0518 ppm	0.4810 ppm	0.1917 ppm	0.2355 ppm	0.9675 ppm	10.1165 ppm	-0.0003 ppm
Concentration RSD	0.4 %	0.5 %	0.4 %	0.3 %	0.6 %	0.2 %	340.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.5306 ppm	0.4949 ppm	0.9416 ppm	10.1363 ppm	0.4720 ppm	0.5209 ppm	0.3594 ppm
Concentration per Run 1	9.5083 ppm	0.4937 ppm	0.9330 ppm	10.1558 ppm	0.4718 ppm	0.5196 ppm	0.3524 ppm
Concentration per Run 2	9.5512 ppm	0.4956 ppm	0.9427 ppm	10.0984 ppm	0.4729 ppm	0.5202 ppm	0.3702 ppm
Concentration per Run 3	9.5323 ppm	0.4955 ppm	0.9490 ppm	10.1548 ppm	0.4713 ppm	0.5228 ppm	0.3557 ppm
Concentration RSD	0.2 %	0.2 %	0.9 %	0.3 %	0.2 %	0.3 %	2.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1178 ppm	0.9433 ppm	0.9045 ppm	0.9548 ppm	0.9604 ppm	0.1170 ppm	0.4949 ppm
Concentration per Run 1	0.1191 ppm	0.9356 ppm	0.9005 ppm	0.9610 ppm	0.9570 ppm	0.1214 ppm	0.4913 ppm
Concentration per Run 2	0.1168 ppm	0.9471 ppm	0.9136 ppm	0.9500 ppm	0.9616 ppm	0.1168 ppm	0.4970 ppm
Concentration per Run 3	0.1177 ppm	0.9471 ppm	0.8994 ppm	0.9534 ppm	0.9626 ppm	0.1128 ppm	0.4964 ppm
Concentration RSD	1.0 %	0.7 %	0.9 %	0.6 %	0.3 %	3.7 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4863 ppm	107.3788 %	100.0922 %	102.3367 %	104.0213 %	98.5876 %	100.8907 %
Concentration per Run 1	0.4842 ppm	107.7441 %	99.3072 %	102.4053 %	104.0021 %	97.9774 %	101.0907 %
Concentration per Run 2	0.4888 ppm	107.1084 %	100.9156 %	102.3916 %	103.8906 %	99.0912 %	100.8515 %
Concentration per Run 3	0.4859 ppm	107.2839 %	100.0539 %	102.2131 %	104.1711 %	98.6942 %	100.7298 %
Concentration RSD	0.5 %	0.3 %	0.8 %	0.1 %	0.1 %	0.6 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: eL2556550-01 WG2112844

Analysis started at: 9/11/2025 6:13:45 AM

Rack 1

Vial 54

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0026 ppm	-0.0201 ppm	0.1897 ppm	0.3297 ppm	0.0371 ppm	-0.0001 ppm	356.8634 ppm
Concentration per Run 1	-0.0032 ppm	-0.0187 ppm	0.1920 ppm	0.3301 ppm	0.0369 ppm	-0.0001 ppm	356.6822 ppm
Concentration per Run 2	-0.0025 ppm	-0.0125 ppm	0.1878 ppm	0.3290 ppm	0.0368 ppm	0.0000 ppm	356.7543 ppm
Concentration per Run 3	-0.0020 ppm	-0.0290 ppm	0.1894 ppm	0.3298 ppm	0.0375 ppm	0.0000 ppm	357.1537 ppm
Concentration RSD	24.7 %	41.7 %	1.1 %	0.2 %	1.1 %	54.9 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0025 ppm	0.0016 ppm	0.0002 ppm	0.0062 ppm	0.0147 ppm	39.6781 ppm	0.1013 ppm
Concentration per Run 1	-0.0025 ppm	0.0015 ppm	0.0012 ppm	0.0057 ppm	0.0154 ppm	39.4210 ppm	0.1004 ppm
Concentration per Run 2	-0.0025 ppm	0.0019 ppm	-0.0003 ppm	0.0066 ppm	0.0146 ppm	39.6354 ppm	0.1020 ppm
Concentration per Run 3	-0.0026 ppm	0.0013 ppm	-0.0002 ppm	0.0062 ppm	0.0142 ppm	39.9781 ppm	0.1015 ppm
Concentration RSD	2.6 %	21.0 %	357.7 %	7.4 %	4.0 %	0.7 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	98.9988 ppm	2.1695 ppm	0.0116 ppm	694.1476 (SIC 500)	0.0009 ppm	0.0025 ppm	0.0240 ppm
Concentration per Run 1	99.0935 ppm	2.1784 ppm	0.0119 ppm	694.7681 ppm	0.0020 ppm	0.0050 ppm	0.0258 ppm
Concentration per Run 2	98.7767 ppm	2.1654 ppm	0.0105 ppm	692.2876 ppm	-0.0002 ppm	0.0011 ppm	0.0237 ppm
Concentration per Run 3	99.1262 ppm	2.1647 ppm	0.0125 ppm	695.3872 ppm	0.0010 ppm	0.0014 ppm	0.0224 ppm
Concentration RSD	0.2 %	0.4 %	8.6 %	0.2 %	116.3 %	87.1 %	7.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0053 ppm	18.8615 ppm	0.0102 ppm	2.9835 ppm	0.0034 ppm	0.0017 ppm	0.0036 ppm
Concentration per Run 1	0.0050 ppm	18.9928 ppm	0.0089 ppm	2.9715 ppm	0.0038 ppm	0.0018 ppm	0.0033 ppm
Concentration per Run 2	0.0047 ppm	18.7764 ppm	0.0109 ppm	2.9782 ppm	0.0036 ppm	0.0058 ppm	0.0037 ppm
Concentration per Run 3	0.0062 ppm	18.8153 ppm	0.0107 ppm	3.0008 ppm	0.0027 ppm	-0.0025 ppm	0.0039 ppm
Concentration RSD	15.4 %	0.6 %	11.0 %	0.5 %	18.1 %	249.2 %	7.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0221 ppm	108.5337 %	95.2663 %	101.6205 %	105.5147 %	93.3782 %
Concentration per Run 1	-0.0222 ppm	107.0028 %	95.2435 %	101.2808 %	104.3445 %	93.2356 %
Concentration per Run 2	-0.0221 ppm	109.7911 %	95.3813 %	102.5229 %	106.2926 %	93.8685 %
Concentration per Run 3	-0.0219 ppm	108.8071 %	95.1741 %	101.0579 %	105.9071 %	93.0306 %
Concentration RSD	0.7 %	1.3 %	0.1 %	0.8 %	1.0 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: eWG2112844-3 WG2112844

Analysis started at: 9/11/2025 6:16:58 AM

Rack 1

Vial 55

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0514 ppm	2.0512 ppm		1.2913 ppm	2.0153 ppm	0.0500 ppm	376.2887 ppm
Concentration per Run 1	0.0517 ppm	2.0539 ppm		1.2786 ppm	2.0028 ppm	0.0496 ppm	374.8939 ppm
Concentration per Run 2	0.0517 ppm	2.0557 ppm		1.3117 ppm	2.0151 ppm	0.0501 ppm	376.1305 ppm
Concentration per Run 3	0.0508 ppm	2.0442 ppm		1.2836 ppm	2.0279 ppm	0.0502 ppm	377.8416 ppm
Concentration RSD	1.0 %	0.3 %		1.4 %	0.6 %	0.6 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0479 ppm	0.4837 ppm	0.1912 ppm	0.2777 ppm	0.9854 ppm	51.2152 ppm	0.1050 ppm
Concentration per Run 1	0.0476 ppm	0.4792 ppm	0.1888 ppm	0.2774 ppm	0.9850 ppm	50.9291 ppm	0.1066 ppm
Concentration per Run 2	0.0485 ppm	0.4888 ppm	0.1945 ppm	0.2798 ppm	0.9857 ppm	51.1118 ppm	0.1035 ppm
Concentration per Run 3	0.0477 ppm	0.4829 ppm	0.1903 ppm	0.2760 ppm	0.9855 ppm	51.6048 ppm	0.1049 ppm
Concentration RSD	1.1 %	1.0 %	1.5 %	0.7 %	0.0 %	0.7 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	110.8949 ppm	2.7230 ppm	0.9436 ppm	722.9271 [SIC 500]	0.4711 ppm	0.5273 ppm	0.5270 ppm
Concentration per Run 1	110.3179 ppm	2.7129 ppm	0.9362 ppm	719.1269 ppm	0.4645 ppm	0.5313 ppm	0.5187 ppm
Concentration per Run 2	111.2689 ppm	2.7197 ppm	0.9507 ppm	719.7887 ppm	0.4775 ppm	0.5217 ppm	0.5349 ppm
Concentration per Run 3	111.0979 ppm	2.7365 ppm	0.9440 ppm	729.8658 ppm	0.4712 ppm	0.5290 ppm	0.5274 ppm
Concentration RSD	0.5 %	0.4 %	0.8 %	0.8 %	1.4 %	1.0 %	1.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1218 ppm	20.3749 [SIC 200]	0.9038 ppm	4.0249 ppm	0.9714 ppm	0.1219 ppm	0.5085 ppm
Concentration per Run 1	0.1238 ppm	20.2576 ppm	0.8919 ppm	3.9923 ppm	0.9637 ppm	0.1214 ppm	0.5065 ppm
Concentration per Run 2	0.1191 ppm	20.5481 ppm	0.9170 ppm	4.0285 ppm	0.9809 ppm	0.1209 ppm	0.5124 ppm
Concentration per Run 3	0.1226 ppm	20.3190 ppm	0.9025 ppm	4.0540 ppm	0.9697 ppm	0.1233 ppm	0.5066 ppm
Concentration RSD	2.0 %	0.8 %	1.4 %	0.8 %	0.9 %	1.1 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4425 ppm	108.7244 %	95.4437 %	105.2772 %	93.3175 %	99.7722 %
Concentration per Run 1	0.4375 ppm	109.3916 %	95.8298 %	105.6858 %	93.3536 %	99.9986 %
Concentration per Run 2	0.4501 ppm	108.0099 %	95.7574 %	105.9701 %	93.6340 %	99.5501 %
Concentration per Run 3	0.4397 ppm	108.7718 %	94.7439 %	104.7617 %	92.9651 %	99.7680 %
Concentration RSD	1.5 %	0.6 %	0.6 %	0.3 %	0.4 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: eWG2112844-4 WG2112844

Analysis started at: 9/11/2025 6:20:13 AM

Rack 1

Vial 56

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0020 ppm	-0.0207 ppm	0.1939 ppm	0.3311 ppm	0.0381 ppm	0.0000 ppm	365.6672 ppm
Concentration per Run 1	-0.0019 ppm	-0.0249 ppm	0.1935 ppm	0.3290 ppm	0.0383 ppm	0.0000 ppm	365.9087 ppm
Concentration per Run 2	-0.0025 ppm	-0.0134 ppm	0.1943 ppm	0.3314 ppm	0.0381 ppm	-0.0001 ppm	365.7562 ppm
Concentration per Run 3	-0.0016 ppm	-0.0238 ppm	0.1940 ppm	0.3329 ppm	0.0379 ppm	0.0000 ppm	365.3367 ppm
Concentration RSD	21.7 %	30.6 %	0.2 %	0.6 %	0.5 %	41.9 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0023 ppm	0.0009 ppm	0.0004 ppm	0.0070 ppm	0.0169 ppm	40.5191 ppm	0.1028 ppm
Concentration per Run 1	-0.0020 ppm	0.0012 ppm	0.0020 ppm	0.0069 ppm	0.0179 ppm	40.5760 ppm	0.1039 ppm
Concentration per Run 2	-0.0025 ppm	0.0001 ppm	0.0008 ppm	0.0074 ppm	0.0171 ppm	40.5870 ppm	0.1025 ppm
Concentration per Run 3	-0.0023 ppm	0.0015 ppm	0.0003 ppm	0.0069 ppm	0.0157 ppm	40.3942 ppm	0.1019 ppm
Concentration RSD	10.3 %	76.7 %	145.9 %	4.2 %	6.5 %	0.3 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	100.3650 ppm	2.2287 ppm	0.0130 ppm	707.8056 (SIC 500)	0.0006 ppm	0.0000 ppm	0.0085 ppm
Concentration per Run 1	99.9852 ppm	2.2457 ppm	0.0143 ppm	709.1050 ppm	0.0017 ppm	0.0015 ppm	-0.0014 ppm
Concentration per Run 2	100.8988 ppm	2.2256 ppm	0.0121 ppm	707.1434 ppm	-0.0005 ppm	-0.0010 ppm	0.0146 ppm
Concentration per Run 3	100.2130 ppm	2.2147 ppm	0.0126 ppm	707.1684 ppm	0.0007 ppm	-0.0006 ppm	0.0122 ppm
Concentration RSD	0.5 %	0.7 %	8.7 %	0.2 %	173.3 %	24.743.5 %	101.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	19.2143 ppm	0.0119 ppm	3.0493 ppm	0.0031 ppm	-0.0027 ppm	0.0035 ppm
Concentration per Run 1	0.0009 ppm	19.1531 ppm	0.0089 ppm	3.0676 ppm	0.0038 ppm	0.0002 ppm	0.0030 ppm
Concentration per Run 2	0.0009 ppm	19.2831 ppm	0.0128 ppm	3.0509 ppm	0.0032 ppm	-0.0062 ppm	0.0040 ppm
Concentration per Run 3	0.0020 ppm	19.2068 ppm	0.0139 ppm	3.0293 ppm	0.0025 ppm	-0.0022 ppm	0.0036 ppm
Concentration RSD	48.6 %	0.3 %	22.3 %	0.6 %	20.1 %	118.0 %	14.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0163 ppm	109.6792 %	94.5704 %	101.7107 %	106.5696 %	92.9575 %	101.3673 %
Concentration per Run 1	-0.0163 ppm	110.5072 %	94.3692 %	101.5362 %	107.1334 %	92.7484 %	100.7719 %
Concentration per Run 2	-0.0168 ppm	109.3854 %	95.2892 %	101.5543 %	106.2294 %	93.9997 %	101.1451 %
Concentration per Run 3	-0.0158 ppm	109.1450 %	94.0528 %	102.0417 %	106.3460 %	92.1244 %	102.1850 %
Concentration RSD	2.9 %	0.7 %	0.7 %	0.3 %	0.5 %	1.0 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: e\WG2112844-5 WG2112844

Analysis started at: 9/11/2025 6:23:27 AM

Rack 1

Vial 57

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0486 ppm	2.0964 ppm	0.3097 ppm	1.3173 ppm	2.0463 ppm	0.0508 ppm	357.7429 ppm
Concentration per Run 1	0.0484 ppm	2.0882 ppm	0.3121 ppm	1.3094 ppm	2.0465 ppm	0.0508 ppm	358.7474 ppm
Concentration per Run 2	0.0481 ppm	2.0991 ppm	0.3090 ppm	1.3121 ppm	2.0456 ppm	0.0508 ppm	357.2701 ppm
Concentration per Run 3	0.0493 ppm	2.1019 ppm	0.3080 ppm	1.3302 ppm	2.0467 ppm	0.0508 ppm	357.2112 ppm
Concentration RSD	1.3 %	0.3 %	0.7 %	0.9 %	0.0 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0490 ppm	0.4966 ppm	0.1977 ppm	0.2832 ppm	1.0157 ppm	49.5437 ppm	0.0993 ppm
Concentration per Run 1	0.0485 ppm	0.4939 ppm	0.1957 ppm	0.2812 ppm	1.0164 ppm	49.5194 ppm	0.1016 ppm
Concentration per Run 2	0.0494 ppm	0.4963 ppm	0.1957 ppm	0.2852 ppm	1.0147 ppm	49.5341 ppm	0.0992 ppm
Concentration per Run 3	0.0492 ppm	0.4996 ppm	0.2016 ppm	0.2833 ppm	1.0160 ppm	49.5775 ppm	0.0985 ppm
Concentration RSD	1.0 %	0.6 %	1.7 %	0.7 %	0.1 %	0.1 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	106.5734 ppm	2.6040 ppm	0.9844 ppm	685.1482 [SIC 500]	0.4854 ppm	0.5408 ppm	0.3393 ppm
Concentration per Run 1	106.1886 ppm	2.6085 ppm	0.9757 ppm	687.4447 ppm	0.4827 ppm	0.5335 ppm	0.3328 ppm
Concentration per Run 2	106.1359 ppm	2.6047 ppm	0.9855 ppm	683.0702 ppm	0.4827 ppm	0.5453 ppm	0.3410 ppm
Concentration per Run 3	107.3958 ppm	2.5986 ppm	0.9919 ppm	684.9298 ppm	0.4907 ppm	0.5435 ppm	0.3460 ppm
Concentration RSD	0.7 %	0.2 %	0.8 %	0.3 %	1.0 %	1.2 %	1.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1247 ppm	19.6590 ppm	0.9519 ppm	3.9075 ppm	1.0189 ppm	0.1261 ppm	0.5195 ppm
Concentration per Run 1	0.1202 ppm	19.5266 ppm	0.9440 ppm	3.8975 ppm	1.0146 ppm	0.1278 ppm	0.5194 ppm
Concentration per Run 2	0.1307 ppm	19.6663 ppm	0.9483 ppm	3.9135 ppm	1.0145 ppm	0.1221 ppm	0.5173 ppm
Concentration per Run 3	0.1232 ppm	19.7842 ppm	0.9635 ppm	3.9115 ppm	1.0275 ppm	0.1285 ppm	0.5219 ppm
Concentration RSD	4.3 %	0.7 %	1.1 %	0.2 %	0.7 %	2.8 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4556 ppm	110.1111 %	96.0861 %	101.9510 %	106.4072 %	93.7293 %	101.0389 %
Concentration per Run 1	0.4540 ppm	110.8851 %	95.5447 %	102.1940 %	107.3890 %	93.0583 %	101.1458 %
Concentration per Run 2	0.4530 ppm	110.7730 %	96.0374 %	101.4467 %	106.3843 %	93.9401 %	100.2829 %
Concentration per Run 3	0.4599 ppm	108.6751 %	96.6760 %	102.2124 %	105.4485 %	94.1894 %	101.6880 %
Concentration RSD	0.8 %	1.1 %	0.6 %	0.4 %	0.9 %	0.6 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: e\WG2112844-6D5\WG2112844

Analysis started at: 9/11/2025 6:26:42 AM

Rack 1

Vial 58

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	-0.0259 ppm	0.0351 ppm	0.0666 ppm	0.0073 ppm	-0.0001 ppm	72.9660 ppm
Concentration per Run 1	-0.0008 ppm	-0.0306 ppm	0.0355 ppm	0.0635 ppm	0.0072 ppm	-0.0001 ppm	72.8073 ppm
Concentration per Run 2	-0.0018 ppm	-0.0264 ppm	0.0354 ppm	0.0691 ppm	0.0073 ppm	0.0000 ppm	73.1915 ppm
Concentration per Run 3	-0.0014 ppm	-0.0207 ppm	0.0344 ppm	0.0671 ppm	0.0074 ppm	0.0000 ppm	72.8990 ppm
Concentration RSD	35.8 %	19.2 %	1.7 %	4.3 %	1.4 %	31.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	-0.0004 ppm	0.0003 ppm	0.0019 ppm	0.0019 ppm	7.7270 ppm	0.0207 ppm
Concentration per Run 1	-0.0005 ppm	-0.0009 ppm	-0.0013 ppm	0.0026 ppm	0.0006 ppm	7.7061 ppm	0.0193 ppm
Concentration per Run 2	-0.0007 ppm	0.0003 ppm	0.0013 ppm	0.0008 ppm	0.0010 ppm	7.7224 ppm	0.0208 ppm
Concentration per Run 3	-0.0007 ppm	-0.0007 ppm	0.0009 ppm	0.0021 ppm	0.0041 ppm	7.7526 ppm	0.0220 ppm
Concentration RSD	14.3 %	154.5 %	487.9 %	49.2 %	100.4 %	0.3 %	6.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.7805 ppm	0.4330 ppm	0.0099 ppm	142.4580 ppm	0.0001 ppm	0.0015 ppm	0.0602 ppm
Concentration per Run 1	19.7206 ppm	0.4308 ppm	0.0108 ppm	142.3885 ppm	-0.0002 ppm	0.0015 ppm	0.0662 ppm
Concentration per Run 2	19.8973 ppm	0.4338 ppm	0.0101 ppm	142.5275 ppm	0.0025 ppm	0.0026 ppm	0.0575 ppm
Concentration per Run 3	19.7237 ppm	0.4345 ppm	0.0088 ppm	142.4579 ppm	-0.0021 ppm	0.0004 ppm	0.0570 ppm
Concentration RSD	0.5 %	0.5 %	9.9 %	0.0 %	3.605.2 %	73.5 %	8.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	3.6935 ppm	0.0247 ppm	0.5947 ppm	0.0035 ppm	0.0033 ppm	0.0011 ppm
Concentration per Run 1	0.0055 ppm	3.6823 ppm	0.0266 ppm	0.5905 ppm	0.0041 ppm	0.0034 ppm	0.0008 ppm
Concentration per Run 2	0.0028 ppm	3.7083 ppm	0.0259 ppm	0.5944 ppm	0.0031 ppm	0.0073 ppm	0.0009 ppm
Concentration per Run 3	-0.0001 ppm	3.6899 ppm	0.0216 ppm	0.5991 ppm	0.0035 ppm	-0.0008 ppm	0.0016 ppm
Concentration RSD	102.8 %	0.4 %	11.0 %	0.7 %	13.7 %	122.8 %	40.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0041 ppm	109.8708 %	101.9198 %	105.4895 %	106.7613 %	99.7819 %	104.1619 %
Concentration per Run 1	-0.0039 ppm	110.2481 %	101.7639 %	104.9845 %	107.2401 %	99.2307 %	104.3116 %
Concentration per Run 2	-0.0043 ppm	108.3576 %	102.7186 %	105.9356 %	105.3187 %	100.8638 %	104.8638 %
Concentration per Run 3	-0.0040 ppm	111.0066 %	101.2769 %	105.5484 %	107.7251 %	99.4902 %	103.3103 %
Concentration RSD	3.9 %	1.2 %	0.7 %	0.5 %	1.2 %	0.7 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCV
Analysis started at: 9/11/2025 6:29:57 AM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4749 ppm	0.4623 ppm	0.4742 ppm	0.4820 ppm	0.4900 ppm	0.5053 ppm	0.5043 ppm
Concentration per Run 1	0.4755 ppm	0.4577 ppm	0.4716 ppm	0.4835 ppm	0.4905 ppm	0.5053 ppm	0.5032 ppm
Concentration per Run 2	0.4736 ppm	0.4604 ppm	0.4723 ppm	0.4816 ppm	0.4912 ppm	0.5072 ppm	0.5052 ppm
Concentration per Run 3	0.4756 ppm	0.4689 ppm	0.4788 ppm	0.4809 ppm	0.4883 ppm	0.5032 ppm	0.5046 ppm
Recovery Percentage 1	94.980 %	92.469 %	94.849 %	96.399 %	98.000 %	101.050 %	100.862 %
Concentration RSD	0.2 %	1.3 %	0.8 %	0.3 %	0.3 %	0.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4970 ppm	0.4983 ppm	0.4943 ppm	0.4885 ppm	0.4911 ppm	5.1175 ppm	0.5133 ppm
Concentration per Run 1	0.4971 ppm	0.4986 ppm	0.4922 ppm	0.4900 ppm	0.4914 ppm	5.1191 ppm	0.5135 ppm
Concentration per Run 2	0.4968 ppm	0.4981 ppm	0.4965 ppm	0.4861 ppm	0.4938 ppm	5.1209 ppm	0.5162 ppm
Concentration per Run 3	0.4972 ppm	0.4983 ppm	0.4941 ppm	0.4894 ppm	0.4882 ppm	5.1126 ppm	0.5103 ppm
Recovery Percentage 1	99.408 %	99.665 %	98.851 %	97.695 %	98.226 %	102.351 %	102.659 %
Concentration RSD	0.0 %	0.1 %	0.4 %	0.4 %	0.6 %	0.1 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4929 ppm	0.5084 ppm	0.4887 ppm	10.1637 ppm	0.4877 ppm	0.4990 ppm	0.5351 ppm
Concentration per Run 1	0.4934 ppm	0.5069 ppm	0.4862 ppm	10.1880 ppm	0.4866 ppm	0.4980 ppm	0.5338 ppm
Concentration per Run 2	0.4884 ppm	0.5098 ppm	0.4870 ppm	10.2118 ppm	0.4868 ppm	0.4987 ppm	0.5354 ppm
Concentration per Run 3	0.4969 ppm	0.5086 ppm	0.4929 ppm	10.1093 ppm	0.4897 ppm	0.5004 ppm	0.5362 ppm
Recovery Percentage 1	98.574 %	101.687 %	97.742 %	101.697 %	97.542 %	99.809 %	107.021 %
Concentration RSD	0.9 %	0.3 %	0.7 %	0.5 %	0.4 %	0.3 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4837 ppm	5.2937 ppm	0.4846 ppm	0.4930 ppm	0.4912 ppm	0.4826 ppm	0.4982 ppm
Concentration per Run 1	0.4827 ppm	5.2748 ppm	0.4833 ppm	0.4926 ppm	0.4893 ppm	0.4796 ppm	0.4986 ppm
Concentration per Run 2	0.4836 ppm	5.3061 ppm	0.4860 ppm	0.4955 ppm	0.4927 ppm	0.4883 ppm	0.4978 ppm
Concentration per Run 3	0.4848 ppm	5.3004 ppm	0.4845 ppm	0.4909 ppm	0.4916 ppm	0.4799 ppm	0.4981 ppm
Recovery Percentage 1	96.742 %	100.833 %	96.922 %	98.602 %	98.237 %	96.522 %	99.631 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.5 %	0.4 %	1.0 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4948 ppm	109.0549 %	102.5989 %	104.0902 %	105.9122 %	101.1255 %	103.1995 %
Concentration per Run 1	0.4950 ppm	109.1061 %	102.4025 %	104.1442 %	105.6788 %	101.0119 %	102.6222 %
Concentration per Run 2	0.4932 ppm	102.3821 %	102.3837 %	104.3175 %	106.2167 %	100.7655 %	103.5003 %
Concentration per Run 3	0.4963 ppm	108.6766 %	103.0104 %	103.8088 %	105.8410 %	101.5990 %	103.4760 %
Recovery Percentage 1	98.959 %						
Concentration RSD	0.3 %	0.3 %	0.3 %	0.2 %	0.3 %	0.4 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/11/2025 6:33:11 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0018 ppm	-0.0287 ppm	-0.0031 ppm	0.0011 ppm	-0.0003 ppm	0.0000 ppm	0.0039 ppm
Concentration per Run 1	-0.0025 ppm	-0.0305 ppm	-0.0008 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0040 ppm
Concentration per Run 2	-0.0003 ppm	-0.0240 ppm	-0.0046 ppm	0.0007 ppm	-0.0004 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 3	-0.0027 ppm	-0.0317 ppm	-0.0041 ppm	0.0024 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage 1	-26.176 %	-28.727 %	-62.983 %	3.782 %	-2.789 %	0.941 %	3.903 %
Concentration RSD	73.5 %	14.5 %	65.9 %	95.0 %	46.6 %	97.4 %	92.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0016 ppm	-0.0016 ppm	0.0004 ppm	0.0016 ppm
Concentration per Run 1	0.0001 ppm	-0.0005 ppm	0.0002 ppm	0.0007 ppm	-0.0023 ppm	0.0072 ppm	0.0007 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0015 ppm	0.0003 ppm	-0.0010 ppm	-0.0237 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0018 ppm	-0.0016 ppm	0.0177 ppm	0.0029 ppm
Recovery Percentage 1	-0.099 %	-1.380 %	5.421 %	15.605 %	-3.219 %	0.015 %	31.055 %
Concentration RSD	1.866.0 %	96.9 %	156.6 %	50.0 %	39.3 %	5.615.2 %	76.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0176 ppm	0.0002 ppm	0.0025 ppm	0.0027 ppm	0.0005 ppm	0.0025 ppm	0.0124 ppm
Concentration per Run 1	0.0169 ppm	0.0003 ppm	0.0023 ppm	0.0039 ppm	0.0021 ppm	0.0019 ppm	0.0107 ppm
Concentration per Run 2	0.0125 ppm	0.0001 ppm	0.0028 ppm	0.0014 ppm	-0.0018 ppm	0.0044 ppm	0.0155 ppm
Concentration per Run 3	0.0233 ppm	0.0003 ppm	0.0025 ppm	0.0029 ppm	0.0012 ppm	0.0012 ppm	0.0109 ppm
Recovery Percentage 1	17.593 %	2.434 %	5.056 %	0.135 %	2.048 %	24.785 %	24.743 %
Concentration RSD	30.9 %	42.4 %	10.7 %	46.8 %	396.6 %	67.5 %	21.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0057 ppm	-0.0094 ppm	0.0025 ppm	0.0001 ppm	0.0031 ppm	0.0003 ppm	0.0007 ppm
Concentration per Run 1	0.0066 ppm	-0.0095 ppm	0.0025 ppm	0.0000 ppm	0.0034 ppm	0.0024 ppm	0.0002 ppm
Concentration per Run 2	0.0035 ppm	-0.0075 ppm	0.0022 ppm	0.0002 ppm	0.0027 ppm	0.0002 ppm	0.0011 ppm
Concentration per Run 3	0.0069 ppm	-0.0111 ppm	0.0029 ppm	0.0000 ppm	0.0030 ppm	-0.0018 ppm	0.0008 ppm
Recovery Percentage 1	56.828 %	-1.872 %	5.058 %	0.782 %	30.515 %	1.424 %	6.794 %
Concentration RSD	33.1 %	19.6 %	12.4 %	185.2 %	12.4 %	736.3 %	63.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	105.7561 %	100.2054 %	101.9906 %	104.2871 %	100.1965 %	101.8989 %
Concentration per Run 1	0.0003 ppm	105.8007 %	100.4696 %	101.9456 %	104.3285 %	100.1485 %	101.3957 %
Concentration per Run 2	0.0001 ppm	106.3658 %	100.3729 %	102.0588 %	104.7403 %	100.3779 %	102.4508 %
Concentration per Run 3	0.0004 ppm	105.1018 %	99.7736 %	101.9673 %	103.7926 %	100.0631 %	101.8501 %
Recovery Percentage 1	5.300 %	0.6 %	0.4 %	0.1 %	0.5 %	0.2 %	0.5 %
Concentration RSD	65.6 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2111288-1 WG2111288

Analysis started at: 9/11/2025 6:47:46 AM

Rack 1

Vial 59

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0012 ppm	-0.0180 ppm	-0.0041 ppm	-0.0017 ppm	0.0002 ppm	-0.0001 ppm	0.0017 ppm
Concentration per Run 1	-0.0014 ppm	-0.0197 ppm	-0.0039 ppm	-0.0007 ppm	0.0002 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run 2	-0.0006 ppm	-0.0194 ppm	-0.0051 ppm	-0.0013 ppm	0.0001 ppm	-0.0001 ppm	0.0013 ppm
Concentration per Run 3	-0.0015 ppm	-0.0150 ppm	-0.0034 ppm	-0.0030 ppm	0.0001 ppm	-0.0001 ppm	0.0042 ppm
Recovery Percentage 1	-16.784 %	-18.040 %	-82.442 %	-5.507 %	1.561 %	-1.659 %	1.681 %
Concentration RSD	40.9 %	14.5 %	21.1 %	70.4 %	34.7 %	28.9 %	141.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0010 ppm	0.0014 ppm	-0.0020 ppm	0.0181 ppm	0.0011 ppm
Concentration per Run 1	0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0014 ppm	-0.0014 ppm	0.0143 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0010 ppm	0.0015 ppm	-0.0026 ppm	0.0139 ppm	0.0016 ppm
Concentration per Run 3	-0.0001 ppm	0.0013 ppm	0.0020 ppm	0.0013 ppm	-0.0021 ppm	0.0261 ppm	0.0006 ppm
Recovery Percentage 1	0.223 %	1.451 %	10.232 %	13.886 %	-4.070 %	0.723 %	21.539 %
Concentration RSD	904.9 %	298.2 %	95.8 %	7.5 %	30.6 %	38.4 %	45.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0128 ppm	0.0004 ppm	-0.0005 ppm	-0.0191 ppm	-0.0019 ppm	0.0020 ppm	0.0041 ppm
Concentration per Run 1	0.0098 ppm	0.0003 ppm	0.0000 ppm	-0.0177 ppm	-0.0020 ppm	0.0012 ppm	0.0123 ppm
Concentration per Run 2	0.0145 ppm	0.0003 ppm	-0.0004 ppm	-0.0229 ppm	-0.0007 ppm	0.0042 ppm	-0.0026 ppm
Concentration per Run 3	0.0142 ppm	0.0005 ppm	-0.0010 ppm	-0.0165 ppm	-0.0031 ppm	0.0005 ppm	0.0027 ppm
Recovery Percentage 1	12.847 %	3.786 %	-0.934 %	-0.953 %	-7.676 %	20.019 %	8.193 %
Concentration RSD	20.8 %	19.0 %	104.2 %	18.0 %	61.7 %	97.5 %	184.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	-0.0129 ppm	-0.0010 ppm	-0.0001 ppm	0.0031 ppm	0.0031 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	-0.0150 ppm	-0.0004 ppm	-0.0001 ppm	0.0031 ppm	0.0042 ppm	0.0008 ppm
Concentration per Run 2	0.0007 ppm	-0.0140 ppm	0.0002 ppm	0.0000 ppm	0.0027 ppm	0.0045 ppm	0.0010 ppm
Concentration per Run 3	0.0019 ppm	-0.0099 ppm	-0.0027 ppm	-0.0001 ppm	0.0034 ppm	0.0008 ppm	0.0012 ppm
Recovery Percentage 1	9.021 %	-2.589 %	-1.950 %	-0.590 %	30.673 %	15.734 %	10.280 ppm
Concentration RSD	102.9 %	21.0 %	157.2 %	21.3 %	11.9 %	65.3 %	19.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	108.6604 %	102.8916 %	104.1530 %	106.8479 %	102.6691 %	104.4619 %
Concentration per Run 1	0.0007 ppm	107.4237 %	102.0870 %	103.8490 %	105.1285 %	101.9183 %	104.2561 %
Concentration per Run 2	0.0007 ppm	109.0239 %	103.3300 %	104.3285 %	107.4266 %	103.0417 %	104.7239 %
Concentration per Run 3	0.0008 ppm	109.5337 %	103.2580 %	104.2813 %	107.9886 %	103.0475 %	104.4056 %
Recovery Percentage 1	14.833 %	1.0 %	0.7 %	0.3 %	1.4 %	0.6 %	0.2 %
Concentration RSD	3.9 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2111288-2 WG2111288

Analysis started at: 9/11/2025 6:51:07 AM

Rack 1

Vial 60

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0390 ppm	2.0261 ppm	0.1164 ppm	0.9802 ppm	2.0091 ppm	0.0510 ppm	10.1430 ppm
Concentration per Run 1	0.0381 ppm	2.0343 ppm	0.1172 ppm	0.9749 ppm	2.0275 ppm	0.0515 ppm	10.1981 ppm
Concentration per Run 2	0.0399 ppm	2.0109 ppm	0.1146 ppm	0.9856 ppm	1.9866 ppm	0.0507 ppm	10.1088 ppm
Concentration per Run 3	0.0390 ppm	2.0332 ppm	0.1173 ppm	0.9800 ppm	2.0011 ppm	0.0507 ppm	10.1220 ppm
Concentration RSD	2.4 %	0.7 %	1.3 %	0.5 %	0.8 %	0.8 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0536 ppm	0.4968 ppm	0.1987 ppm	0.2449 ppm	1.0044 ppm	10.4351 ppm	0.0015 ppm
Concentration per Run 1	0.0540 ppm	0.4953 ppm	0.1973 ppm	0.2439 ppm	1.0079 ppm	10.4825 ppm	0.0021 ppm
Concentration per Run 2	0.0536 ppm	0.4988 ppm	0.1986 ppm	0.2455 ppm	1.0078 ppm	10.3764 ppm	0.0012 ppm
Concentration per Run 3	0.0531 ppm	0.4964 ppm	0.2002 ppm	0.2451 ppm	0.9975 ppm	10.4464 ppm	0.0012 ppm
Concentration RSD	0.8 %	0.4 %	0.7 %	0.3 %	0.6 %	0.5 %	34.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.8417 ppm	0.5141 ppm	0.9785 ppm	10.3813 ppm	0.4873 ppm	0.5384 ppm	0.4142 ppm
Concentration per Run 1	9.8108 ppm	0.5169 ppm	0.9732 ppm	10.4722 ppm	0.4831 ppm	0.5385 ppm	0.4096 ppm
Concentration per Run 2	9.8687 ppm	0.5156 ppm	0.9870 ppm	10.3355 ppm	0.4880 ppm	0.5401 ppm	0.4220 ppm
Concentration per Run 3	9.8458 ppm	0.5098 ppm	0.9754 ppm	10.3363 ppm	0.4907 ppm	0.5367 ppm	0.4110 ppm
Concentration RSD	0.3 %	0.7 %	0.8 %	0.8 %	0.8 %	0.3 %	1.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1242 ppm	0.8394 ppm	0.9393 ppm	0.9895 ppm	0.9962 ppm	0.1187 ppm	0.5148 ppm
Concentration per Run 1	0.1240 ppm	0.8397 ppm	0.9336 ppm	0.9987 ppm	0.9927 ppm	0.1215 ppm	0.5139 ppm
Concentration per Run 2	0.1232 ppm	0.8383 ppm	0.9418 ppm	0.9839 ppm	0.9987 ppm	0.1170 ppm	0.5162 ppm
Concentration per Run 3	0.1253 ppm	0.8402 ppm	0.9425 ppm	0.9857 ppm	0.9972 ppm	0.1175 ppm	0.5141 ppm
Concentration RSD	0.9 %	0.1 %	0.5 %	0.8 %	0.3 %	2.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5023 ppm	108.1032 %	103.1830 %	102.5417 %	105.0429 %	101.6026 %	101.5252 %
Concentration per Run 1	0.4999 ppm	108.2740 %	102.7346 %	101.4459 %	104.9718 %	101.2990 %	100.3630 %
Concentration per Run 2	0.5034 ppm	108.0936 %	102.8181 %	103.1698 %	105.3469 %	101.0175 %	102.2296 %
Concentration per Run 3	0.5036 ppm	107.9421 %	103.9962 %	103.0095 %	104.8099 %	102.4913 %	101.9830 %
Concentration RSD	0.4 %	0.2 %	0.7 %	0.9 %	0.3 %	0.8 %	1.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555524-03 WG2111288

Analysis started at: 9/11/2025 6:54:23 AM

Rack 2

Vial 11

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0029 ppm	-0.0121 ppm	-0.0024 ppm	0.1645 ppm	0.0305 ppm	0.0010 ppm	340.0893 ppm
Concentration per Run 1	-0.0027 ppm	-0.0200 ppm	-0.0019 ppm	0.1642 ppm	0.0302 ppm	0.0010 ppm	338.4524 ppm
Concentration per Run 2	-0.0036 ppm	-0.0191 ppm	-0.0017 ppm	0.1650 ppm	0.0303 ppm	0.0010 ppm	339.0442 ppm
Concentration per Run 3	-0.0025 ppm	0.0027 ppm	-0.0035 ppm	0.1642 ppm	0.0310 ppm	0.0010 ppm	342.7715 ppm
Concentration RSD	20.5 %	105.9 %	42.5 %	0.3 %	1.5 %	2.2 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0552 ppm	0.0002 ppm	0.0047 ppm	1.0482 ppm	20.0039 ppm	0.0570 ppm
Concentration per Run 1	-0.0005 ppm	0.0536 ppm	0.0007 ppm	0.0053 ppm	1.0345 ppm	19.8106 ppm	0.0571 ppm
Concentration per Run 2	0.0000 ppm	0.0567 ppm	-0.0001 ppm	0.0043 ppm	1.0475 ppm	19.8867 ppm	0.0570 ppm
Concentration per Run 3	-0.0007 ppm	0.0552 ppm	-0.0001 ppm	0.0046 ppm	1.0625 ppm	20.3145 ppm	0.0570 ppm
Concentration RSD	84.8 %	2.8 %	246.1 %	10.9 %	1.3 %	1.4 %	0.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	190.8097 ppm	5.8032 ppm	0.0053 ppm	102.9435 ppm	0.4962 ppm	0.0008 ppm	0.0181 ppm
Concentration per Run 1	190.7527 ppm	5.7738 ppm	0.0058 ppm	102.2117 ppm	0.4956 ppm	0.0038 ppm	0.0182 ppm
Concentration per Run 2	191.2314 ppm	5.7752 ppm	0.0061 ppm	102.3262 ppm	0.4997 ppm	-0.0024 ppm	0.0212 ppm
Concentration per Run 3	190.4451 ppm	5.8607 ppm	0.0040 ppm	104.2925 ppm	0.4934 ppm	0.0010 ppm	0.0148 ppm
Concentration RSD	0.2 %	0.9 %	21.1 %	1.1 %	0.6 %	369.6 %	17.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0042 ppm	21.6177 [SiC 200]	0.0053 ppm	0.0064 ppm	0.0023 ppm	0.0037 ppm	0.0007 ppm
Concentration per Run 1	0.0049 ppm	21.6672 ppm	0.0064 ppm	2.0382 ppm	0.0031 ppm	0.0005 ppm	0.0011 ppm
Concentration per Run 2	0.0081 ppm	21.7008 ppm	0.0067 ppm	2.0417 ppm	0.0017 ppm	0.0092 ppm	0.0008 ppm
Concentration per Run 3	-0.0006 ppm	21.4852 ppm	0.0028 ppm	2.0772 ppm	0.0021 ppm	0.0013 ppm	0.0003 ppm
Concentration RSD	105.4 %	0.5 %	41.3 %	1.1 %	31.7 %	132.4 %	57.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1279 ppm	107.9754 %	98.6378 %	99.4717 %	111.2968 %	102.7618 %	105.6515 %
Concentration per Run 1	0.1277 ppm	107.7064 %	98.9674 %	99.3503 %	111.0080 %	103.1958 %	105.1996 %
Concentration per Run 2	0.1289 ppm	108.0870 %	98.9640 %	100.1340 %	111.3473 %	103.1543 %	106.3537 %
Concentration per Run 3	0.1270 ppm	108.1329 %	97.9821 %	98.9308 %	111.5350 %	101.9353 %	105.4011 %
Concentration RSD	0.7 %	0.2 %	0.6 %	0.6 %	0.2 %	0.7 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555524-04 WG2111288

Analysis started at: 9/11/2025 6:57:38 AM

Rack 2

Vial 12

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0016 ppm	5.8178 ppm	-0.0032 ppm	0.0950 ppm	0.0204 ppm	0.0055 ppm	24.0993 ppm
Concentration per Run 1	-0.0008 ppm	5.7834 ppm	-0.0040 ppm	0.0928 ppm	0.0202 ppm	0.0054 ppm	23.9877 ppm
Concentration per Run 2	-0.0016 ppm	5.8283 ppm	-0.0042 ppm	0.0967 ppm	0.0204 ppm	0.0056 ppm	24.1900 ppm
Concentration per Run 3	-0.0024 ppm	5.8415 ppm	-0.0015 ppm	0.0955 ppm	0.0205 ppm	0.0055 ppm	24.1201 ppm
Concentration RSD	50.5 %	0.5 %	46.3 %	2.1 %	0.7 %	1.3 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0364 ppm	0.0002 ppm	0.0095 ppm	0.6017 ppm	3.3655 ppm	0.0713 ppm
Concentration per Run 1	0.0006 ppm	0.0358 ppm	-0.0005 ppm	0.0105 ppm	0.5954 ppm	3.3408 ppm	0.0710 ppm
Concentration per Run 2	0.0005 ppm	0.0372 ppm	0.0008 ppm	0.0091 ppm	0.6056 ppm	3.3676 ppm	0.0715 ppm
Concentration per Run 3	0.0006 ppm	0.0361 ppm	0.0003 ppm	0.0088 ppm	0.6041 ppm	3.3880 ppm	0.0715 ppm
Concentration RSD	7.9 %	2.0 %	320.4 %	9.5 %	0.9 %	0.7 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.0618 ppm	1.2527 ppm	0.0006 ppm	17.3244 ppm	0.0656 ppm	0.0016 ppm	0.0085 ppm
Concentration per Run 1	10.0641 ppm	1.2470 ppm	-0.0009 ppm	17.2762 ppm	0.0640 ppm	0.0013 ppm	0.0094 ppm
Concentration per Run 2	10.0774 ppm	1.2555 ppm	0.0018 ppm	17.3513 ppm	0.0674 ppm	0.0033 ppm	0.0081 ppm
Concentration per Run 3	10.0439 ppm	1.2557 ppm	0.0009 ppm	17.3458 ppm	0.0654 ppm	0.0003 ppm	0.0080 ppm
Concentration RSD	0.2 %	0.4 %	234.6 %	0.2 %	2.6 %	92.5 %	9.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	17.0609 ppm	0.0028 ppm	0.2705 ppm	0.0016 ppm	-0.0018 ppm	0.0007 ppm
Concentration per Run 1	0.0031 ppm	17.0664 ppm	0.0029 ppm	0.2693 ppm	0.0015 ppm	-0.0014 ppm	0.0007 ppm
Concentration per Run 2	0.0008 ppm	17.1095 ppm	0.0023 ppm	0.2698 ppm	0.0016 ppm	-0.0033 ppm	0.0005 ppm
Concentration per Run 3	0.0008 ppm	17.0067 ppm	0.0033 ppm	0.2724 ppm	0.0015 ppm	-0.0007 ppm	0.0008 ppm
Concentration RSD	87.4 %	0.3 %	17.1 %	0.6 %	3.5 %	72.3 %	15.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1379 ppm	108.4332 %	103.2114 %	103.4356 %	110.7340 %	106.3230 %	107.7976 %
Concentration per Run 1	0.1365 ppm	108.4756 %	103.4297 %	103.3033 %	110.7125 %	106.1533 %	107.5190 %
Concentration per Run 2	0.1391 ppm	108.5513 %	102.9533 %	103.4634 %	111.1436 %	106.1429 %	107.7616 %
Concentration per Run 3	0.1380 ppm	108.2728 %	103.2511 %	103.5400 %	110.3460 %	106.6728 %	108.1123 %
Concentration RSD	0.9 %	0.1 %	0.2 %	0.1 %	0.4 %	0.3 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: L2555524-05 WG2111288

Analysis started at: 9/11/2025 7:00:54 AM

Rack 2

Vial 13

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0028 ppm	-0.0156 ppm	-0.0039 ppm	0.1599 ppm	0.0299 ppm	0.0010 ppm	334.6402 ppm
Concentration per Run 1	-0.0024 ppm	-0.0203 ppm	-0.0028 ppm	0.1637 ppm	0.0302 ppm	0.0010 ppm	333.9952 ppm
Concentration per Run 2	-0.0033 ppm	-0.0154 ppm	-0.0032 ppm	0.1567 ppm	0.0297 ppm	0.0010 ppm	335.0399 ppm
Concentration per Run 3	-0.0027 ppm	-0.0109 ppm	-0.0056 ppm	0.1594 ppm	0.0297 ppm	0.0009 ppm	334.8857 ppm
Concentration RSD	16.7 %	30.2 %	39.4 %	2.2 %	1.0 %	2.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	0.0554 ppm	-0.0008 ppm	0.0041 ppm	1.1298 ppm	19.6116 ppm	0.0564 ppm
Concentration per Run 1	-0.0008 ppm	0.0568 ppm	-0.0004 ppm	0.0042 ppm	1.1303 ppm	19.7057 ppm	0.0572 ppm
Concentration per Run 2	-0.0005 ppm	0.0531 ppm	-0.0003 ppm	0.0038 ppm	1.1297 ppm	19.5871 ppm	0.0558 ppm
Concentration per Run 3	-0.0006 ppm	0.0564 ppm	-0.0024 ppm	0.0044 ppm	1.1295 ppm	19.5420 ppm	0.0562 ppm
Concentration RSD	24.4 %	3.7 %	194.8 %	7.4 %	0.0 %	0.4 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	188.1278 ppm	5.7120 ppm	-0.0008 ppm	101.1376 ppm	0.4949 ppm	0.0047 ppm	0.0078 ppm
Concentration per Run 1	188.2734 ppm	5.7266 ppm	-0.0015 ppm	101.3742 ppm	0.4966 ppm	0.0034 ppm	0.0096 ppm
Concentration per Run 2	187.6560 ppm	5.7566 ppm	-0.0014 ppm	101.2978 ppm	0.4890 ppm	0.0028 ppm	0.0038 ppm
Concentration per Run 3	188.4540 ppm	5.6528 ppm	0.0004 ppm	100.7407 ppm	0.4991 ppm	0.0079 ppm	0.0100 ppm
Concentration RSD	0.2 %	0.9 %	129.9 %	0.3 %	1.1 %	58.7 %	44.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	21.3390 [SIC 200]	0.0004 ppm	2.0011 ppm	0.0023 ppm	0.0038 ppm	0.0011 ppm
Concentration per Run 1	-0.0003 ppm	21.3643 ppm	0.0035 ppm	2.0024 ppm	0.0021 ppm	0.0059 ppm	0.0010 ppm
Concentration per Run 2	0.0017 ppm	21.2715 ppm	-0.0014 ppm	2.0134 ppm	0.0003 ppm	0.0027 ppm	0.0007 ppm
Concentration per Run 3	0.0047 ppm	21.3812 ppm	-0.0009 ppm	1.9875 ppm	0.0020 ppm	0.0051 ppm	0.0015 ppm
Concentration RSD	123.1 %	0.3 %	696.5 %	0.6 %	17.1 %	80.9 %	36.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1268 ppm	106.9852 %	100.0230 %	100.0106 %	110.1560 %	103.9694 %	105.2439 %
Concentration per Run 1	0.1274 ppm	107.2487 %	100.7289 %	100.8387 %	110.6269 %	104.4266 %	106.3633 %
Concentration per Run 2	0.1259 ppm	107.2474 %	99.5322 %	100.1730 %	110.3131 %	103.6120 %	105.0095 %
Concentration per Run 3	0.1271 ppm	106.4595 %	99.8079 %	99.0202 %	109.5279 %	103.8696 %	104.3590 %
Concentration RSD	0.6 %	0.4 %	0.6 %	0.9 %	0.5 %	0.4 %	1.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555524-01 WG2111288

Analysis started at: 9/11/2025 7:04:08 AM

Rack 2

Vial 1

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0020 ppm	-0.0236 ppm	-0.0007 ppm	0.0165 ppm	0.0136 ppm	0.0003 ppm	133.9889 ppm
Concentration per Run 1	-0.0018 ppm	-0.0295 ppm	-0.0012 ppm	0.0134 ppm	0.0136 ppm	0.0004 ppm	134.2839 ppm
Concentration per Run 2	-0.0026 ppm	-0.0227 ppm	0.0002 ppm	0.0179 ppm	0.0136 ppm	0.0003 ppm	133.7548 ppm
Concentration per Run 3	-0.0017 ppm	-0.0186 ppm	-0.0012 ppm	0.0182 ppm	0.0135 ppm	0.0003 ppm	133.9279 ppm
Concentration RSD	22.3 %	23.3 %	106.1 %	16.4 %	0.5 %	6.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0011 ppm	0.0196 ppm	0.0005 ppm	0.0030 ppm	40.0812 ppm	10.9441 ppm	0.0258 ppm
Concentration per Run 1	-0.0009 ppm	0.0205 ppm	0.0001 ppm	0.0025 ppm	39.9994 ppm	10.8929 ppm	0.0257 ppm
Concentration per Run 2	-0.0013 ppm	0.0196 ppm	0.0013 ppm	0.0038 ppm	40.1245 ppm	10.9586 ppm	0.0262 ppm
Concentration per Run 3	-0.0012 ppm	0.0187 ppm	0.0001 ppm	0.0028 ppm	40.1196 ppm	10.9809 ppm	0.0254 ppm
Concentration RSD	19.6 %	4.5 %	136.2 %	22.0 %	0.2 %	0.4 %	1.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	65.5717 ppm	1.2355 ppm	-0.0006 ppm	51.3697 ppm	0.0812 ppm	0.0014 ppm	0.0036 ppm
Concentration per Run 1	65.4773 ppm	1.2444 ppm	-0.0001 ppm	51.1920 ppm	0.0799 ppm	0.0039 ppm	0.0024 ppm
Concentration per Run 2	65.5499 ppm	1.2306 ppm	-0.0015 ppm	51.3321 ppm	0.0802 ppm	0.0012 ppm	0.0057 ppm
Concentration per Run 3	65.6880 ppm	1.2315 ppm	-0.0003 ppm	51.5851 ppm	0.0834 ppm	-0.0008 ppm	0.0027 ppm
Concentration RSD	0.2 %	0.6 %	112.8 %	0.4 %	2.4 %	165.7 %	51.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	20.1172 [SIC 200]	-0.0011 ppm	0.7992 ppm	0.0020 ppm	0.0014 ppm	0.0005 ppm
Concentration per Run 1	0.0038 ppm	20.0562 ppm	-0.0009 ppm	0.7992 ppm	0.0020 ppm	0.0028 ppm	-0.0004 ppm
Concentration per Run 2	-0.0004 ppm	20.1455 ppm	-0.0006 ppm	0.8022 ppm	0.0022 ppm	-0.0007 ppm	0.0004 ppm
Concentration per Run 3	0.0049 ppm	20.1499 ppm	-0.0019 ppm	0.7961 ppm	0.0017 ppm	0.0022 ppm	0.0015 ppm
Concentration RSD	102.7 %	0.3 %	61.0 %	0.4 %	11.6 %	129.0 %	190.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0761 ppm	110.0608 %	102.7285 %	103.6067 %	107.6726 %	101.3868 %	104.0164 %
Concentration per Run 1	0.0759 ppm	111.1324 %	103.2464 %	103.2247 %	108.6778 %	102.1186 %	103.9999 %
Concentration per Run 2	0.0763 ppm	109.9947 %	102.9947 %	104.6161 %	107.0347 %	101.1348 %	104.5600 %
Concentration per Run 3	0.0761 ppm	109.0553 %	102.4428 %	102.9793 %	107.3054 %	100.9070 %	103.4894 %
Concentration RSD	0.3 %	0.9 %	0.4 %	0.9 %	0.8 %	0.6 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2111288-3 WG2111288

Analysis started at: 9/11/2025 7:07:23 AM

Rack 2

Vial 2

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0403 ppm	2.0571 ppm	0.1197 ppm	1.0089 ppm	2.0273 ppm	0.0515 ppm	146.0755 ppm
Concentration per Run 1	0.0409 ppm	2.0488 ppm	0.1173 ppm	1.0155 ppm	2.0342 ppm	0.0516 ppm	146.0210 ppm
Concentration per Run 2	0.0383 ppm	2.0671 ppm	0.1215 ppm	1.0086 ppm	2.0257 ppm	0.0515 ppm	146.2585 ppm
Concentration per Run 3	0.0416 ppm	2.0554 ppm	0.1202 ppm	1.0026 ppm	2.0221 ppm	0.0514 ppm	145.9470 ppm
Concentration RSD	4.3 %	0.5 %	1.8 %	0.6 %	0.3 %	0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0519 ppm	0.5223 ppm	0.1988 ppm	0.2643 ppm	41.7071 ppm	21.6488 ppm	0.0259 ppm
Concentration per Run 1	0.0518 ppm	0.5223 ppm	0.1986 ppm	0.2645 ppm	41.8621 ppm	21.6921 ppm	0.0259 ppm
Concentration per Run 2	0.0525 ppm	0.5244 ppm	0.1989 ppm	0.2642 ppm	41.7238 ppm	21.6534 ppm	0.0248 ppm
Concentration per Run 3	0.0515 ppm	0.5201 ppm	0.1991 ppm	0.2644 ppm	41.5355 ppm	21.6010 ppm	0.0270 ppm
Concentration RSD	1.1 %	0.4 %	0.1 %	0.1 %	0.4 %	0.2 %	4.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	77.3304 ppm	1.7660 ppm	0.9721 ppm	62.4180 ppm	0.5810 ppm	0.5350 ppm	0.5250 ppm
Concentration per Run 1	77.4737 ppm	1.7674 ppm	0.9698 ppm	62.5152 ppm	0.5826 ppm	0.5350 ppm	0.5232 ppm
Concentration per Run 2	77.5027 ppm	1.7715 ppm	0.9729 ppm	62.5425 ppm	0.5800 ppm	0.5383 ppm	0.5279 ppm
Concentration per Run 3	77.0146 ppm	1.7591 ppm	0.9735 ppm	62.1961 ppm	0.5805 ppm	0.5318 ppm	0.5239 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	0.3 %	0.2 %	0.6 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1259 ppm	21.6974 [SIC 200]	0.9328 ppm	1.7895 ppm	0.9936 ppm	0.1196 ppm	0.5210 ppm
Concentration per Run 1	0.1288 ppm	21.7432 ppm	0.9375 ppm	1.7943 ppm	0.9912 ppm	0.1161 ppm	0.5222 ppm
Concentration per Run 2	0.1226 ppm	21.7181 ppm	0.9343 ppm	1.7921 ppm	0.9977 ppm	0.1211 ppm	0.5207 ppm
Concentration per Run 3	0.1262 ppm	21.6308 ppm	0.9265 ppm	1.7821 ppm	0.9917 ppm	0.1216 ppm	0.5200 ppm
Concentration RSD	2.5 %	0.3 %	0.6 %	0.4 %	0.4 %	2.6 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5728 ppm	108.0212 %	99.9242 %	100.4105 %	105.9285 %	98.9927 %	100.8998 %
Concentration per Run 1	0.5716 ppm	107.4400 %	100.2581 %	99.7280 %	105.3908 %	99.4445 %	100.0116 %
Concentration per Run 2	0.5755 ppm	107.4542 %	99.9249 %	100.7376 %	105.2555 %	98.9538 %	101.5022 %
Concentration per Run 3	0.5712 ppm	109.1695 %	99.5895 %	100.7659 %	107.1392 %	98.5798 %	101.1855 %
Concentration RSD	0.4 %	0.9 %	0.3 %	0.6 %	1.0 %	0.4 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2111288-4.WG2111288

Analysis started at: 9/11/2025 7:10:37 AM

Rack 2

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0016 ppm	-0.0153 ppm	-0.0015 ppm	0.0176 ppm	0.0134 ppm	0.0003 ppm	132.2819 ppm
Concentration per Run 1	-0.0021 ppm	-0.0129 ppm	-0.0022 ppm	0.0177 ppm	0.0134 ppm	0.0003 ppm	132.1565 ppm
Concentration per Run 2	-0.0004 ppm	-0.0195 ppm	-0.0006 ppm	0.0189 ppm	0.0134 ppm	0.0003 ppm	131.9979 ppm
Concentration per Run 3	-0.0025 ppm	-0.0136 ppm	-0.0016 ppm	0.0163 ppm	0.0134 ppm	0.0003 ppm	132.6913 ppm
Concentration RSD	67.7 %	23.7 %	56.4 %	7.4 %	0.2 %	2.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0011 ppm	0.0211 ppm	0.0007 ppm	0.0029 ppm	39.6378 ppm	10.8289 ppm	0.0261 ppm
Concentration per Run 1	-0.0011 ppm	0.0216 ppm	0.0022 ppm	0.0025 ppm	39.6484 ppm	0.0262 ppm	0.0262 ppm
Concentration per Run 2	-0.0014 ppm	0.0219 ppm	0.0003 ppm	0.0040 ppm	39.8855 ppm	10.8264 ppm	0.0261 ppm
Concentration per Run 3	-0.0007 ppm	0.0198 ppm	-0.0003 ppm	0.0023 ppm	39.3794 ppm	10.7716 ppm	0.0261 ppm
Concentration RSD	30.5 %	5.4 %	180.6 %	31.7 %	0.6 %	0.5 %	0.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	66.1306 ppm	1.2161 ppm	0.0058 ppm	50.6615 ppm	0.0808 ppm	0.0039 ppm	0.0059 ppm
Concentration per Run 1	66.2162 ppm	1.2173 ppm	0.0062 ppm	50.7541 ppm	0.0820 ppm	0.0042 ppm	0.0034 ppm
Concentration per Run 2	66.0691 ppm	1.2169 ppm	0.0051 ppm	50.6160 ppm	0.0796 ppm	0.0054 ppm	0.0109 ppm
Concentration per Run 3	66.1066 ppm	1.2140 ppm	0.0062 ppm	50.6144 ppm	0.0809 ppm	0.0019 ppm	0.0034 ppm
Concentration RSD	0.1 %	0.1 %	10.6 %	0.2 %	1.5 %	46.1 %	73.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	20.2926 [SIC 200]	0.0092 ppm	0.7925 ppm	0.0022 ppm	0.0007 ppm	0.0010 ppm
Concentration per Run 1	-0.0003 ppm	20.3320 ppm	0.0105 ppm	0.7889 ppm	0.0024 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 2	0.0029 ppm	20.2556 ppm	0.0071 ppm	0.7935 ppm	0.0027 ppm	0.0010 ppm	0.0007 ppm
Concentration per Run 3	0.0019 ppm	20.2901 ppm	0.0100 ppm	0.7951 ppm	0.0016 ppm	0.0010 ppm	0.0008 ppm
Concentration RSD	106.6 %	0.2 %	19.8 %	0.4 %	25.3 %	92.9 %	44.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0763 ppm	107.6960 %	107.6960 %	100.7020 %	105.3961 %	99.4264 %	100.9168 %
Concentration per Run 1	0.0765 ppm	107.9642 %	107.9642 %	99.8818 %	105.5544 %	98.4060 %	102.0637 %
Concentration per Run 2	0.0763 ppm	107.7255 %	107.7255 %	102.3364 %	105.4326 %	101.0030 %	100.4043 %
Concentration per Run 3	0.0762 ppm	107.3982 %	107.3982 %	99.8877 %	105.2013 %	98.8703 %	100.2825 %
Concentration RSD	0.2 %	0.3 %	0.3 %	1.4 %	0.2 %	1.4 %	1.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2111288-5 WG2111288

Analysis started at: 9/11/2025 7:13:51 AM

Rack 2

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0459 ppm	1.9435 ppm	0.1146 ppm	0.9729 ppm	1.9287 ppm	0.0489 ppm	140.5762 ppm
Concentration per Run 1	0.0460 ppm	1.9354 ppm	0.1121 ppm	0.9665 ppm	1.9196 ppm	0.0487 ppm	140.4290 ppm
Concentration per Run 2	0.0462 ppm	1.9387 ppm	0.1160 ppm	0.9725 ppm	1.9188 ppm	0.0488 ppm	139.8538 ppm
Concentration per Run 3	0.0455 ppm	1.9565 ppm	0.1158 ppm	0.9798 ppm	1.9477 ppm	0.0492 ppm	141.4458 ppm
Concentration RSD	0.8 %	0.6 %	1.9 %	0.7 %	0.9 %	0.5 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0484 ppm	0.4897 ppm	0.1859 ppm	0.2473 ppm	40.2818 ppm	20.9841 ppm	0.0248 ppm
Concentration per Run 1	0.0482 ppm	0.4858 ppm	0.1850 ppm	0.2462 ppm	40.2633 ppm	20.9617 ppm	0.0239 ppm
Concentration per Run 2	0.0484 ppm	0.4901 ppm	0.1855 ppm	0.2474 ppm	40.0224 ppm	20.8414 ppm	0.0242 ppm
Concentration per Run 3	0.0487 ppm	0.4932 ppm	0.1871 ppm	0.2484 ppm	40.5597 ppm	21.1493 ppm	0.0262 ppm
Concentration RSD	0.6 %	0.8 %	0.6 %	0.5 %	0.7 %	0.7 %	5.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	73.6062 ppm	1.6878 ppm	0.9364 ppm	60.0713 ppm	0.5469 ppm	0.5114 ppm	0.3722 ppm
Concentration per Run 1	73.4227 ppm	1.6807 ppm	0.9301 ppm	60.3394 ppm	0.5436 ppm	0.5081 ppm	0.3659 ppm
Concentration per Run 2	73.4914 ppm	1.6814 ppm	0.9362 ppm	59.6187 ppm	0.5460 ppm	0.5121 ppm	0.3664 ppm
Concentration per Run 3	73.9045 ppm	1.7013 ppm	0.9427 ppm	60.2559 ppm	0.5511 ppm	0.5141 ppm	0.3841 ppm
Concentration RSD	0.4 %	0.7 %	0.7 %	0.7 %	0.7 %	0.6 %	2.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1212 ppm	20.3764 [SIC 200]	0.8982 ppm	1.7364 ppm	0.9554 ppm	0.1182 ppm	0.4872 ppm
Concentration per Run 1	0.1193 ppm	20.3166 ppm	0.8902 ppm	1.7250 ppm	0.9553 ppm	0.1147 ppm	0.4845 ppm
Concentration per Run 2	0.1207 ppm	20.3830 ppm	0.8993 ppm	1.7244 ppm	0.9526 ppm	0.1209 ppm	0.4895 ppm
Concentration per Run 3	0.1237 ppm	20.4294 ppm	0.9052 ppm	1.7597 ppm	0.9584 ppm	0.1190 ppm	0.4876 ppm
Concentration RSD	1.9 %	0.3 %	0.8 %	1.2 %	0.3 %	2.7 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5366 ppm	108.4774 %	99.5237 %	101.3861 %	106.0303 %	98.5126 %	101.6200 %
Concentration per Run 1	0.5337 ppm	109.5543 %	99.3732 %	101.5510 %	106.7777 %	98.4135 %	101.8500 %
Concentration per Run 2	0.5359 ppm	108.4135 %	99.9639 %	100.9690 %	106.2392 %	99.0168 %	100.8184 %
Concentration per Run 3	0.5402 ppm	107.4643 %	99.2341 %	101.6383 %	105.0740 %	98.1075 %	102.1916 %
Concentration RSD	0.6 %	1.0 %	0.4 %	0.4 %	0.8 %	0.5 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2111288-6D5 WG2111288

Analysis started at: 9/11/2025 7:17:05 AM

Rack 2

Vial 5

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	-0.0194 ppm	-0.0037 ppm	0.0038 ppm	0.0026 ppm	0.0000 ppm	27.1830 ppm
Concentration per Run 1	-0.0011 ppm	-0.0167 ppm	-0.0027 ppm	0.0042 ppm	0.0026 ppm	0.0000 ppm	27.1783 ppm
Concentration per Run 2	-0.0011 ppm	-0.0200 ppm	-0.0038 ppm	0.0060 ppm	0.0026 ppm	0.0000 ppm	27.1464 ppm
Concentration per Run 3	-0.0020 ppm	-0.0214 ppm	-0.0045 ppm	0.0012 ppm	0.0026 ppm	0.0000 ppm	27.2244 ppm
Concentration RSD	37.9 %	12.4 %	24.7 %	64.0 %	0.8 %	123.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0034 ppm	0.0012 ppm	0.0005 ppm	8.1971 ppm	2.1842 ppm	0.0064 ppm
Concentration per Run 1	-0.0006 ppm	0.0018 ppm	0.0009 ppm	0.0005 ppm	8.1546 ppm	2.1747 ppm	0.0064 ppm
Concentration per Run 2	-0.0001 ppm	0.0044 ppm	0.0009 ppm	0.0005 ppm	8.2422 ppm	2.2019 ppm	0.0059 ppm
Concentration per Run 3	-0.0004 ppm	0.0042 ppm	0.0017 ppm	0.0005 ppm	8.1946 ppm	2.1759 ppm	0.0068 ppm
Concentration RSD	64.8 %	42.7 %	39.3 %	6.4 %	0.5 %	0.7 %	7.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	13.1079 ppm	0.2478 ppm	0.0064 ppm	10.2000 ppm	0.0150 ppm	0.0035 ppm	0.0491 ppm
Concentration per Run 1	13.1419 ppm	0.2469 ppm	0.0076 ppm	10.2077 ppm	0.0154 ppm	0.0037 ppm	0.0440 ppm
Concentration per Run 2	13.1207 ppm	0.2491 ppm	0.0057 ppm	10.2099 ppm	0.0163 ppm	-0.0016 ppm	0.0505 ppm
Concentration per Run 3	13.0612 ppm	0.2473 ppm	0.0059 ppm	10.1823 ppm	0.0133 ppm	0.0085 ppm	0.0529 ppm
Concentration RSD	0.3 %	0.5 %	16.8 %	0.2 %	10.4 %	142.5 %	9.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0023 ppm	3.9300 ppm	0.0285 ppm	0.1607 ppm	0.0028 ppm	0.0009 ppm	0.0012 ppm
Concentration per Run 1	0.0034 ppm	3.9322 ppm	0.0291 ppm	0.1601 ppm	0.0028 ppm	-0.0044 ppm	0.0009 ppm
Concentration per Run 2	0.0011 ppm	3.9402 ppm	0.0278 ppm	0.1602 ppm	0.0033 ppm	0.0049 ppm	0.0015 ppm
Concentration per Run 3	0.0023 ppm	3.9177 ppm	0.0285 ppm	0.1618 ppm	0.0023 ppm	0.0023 ppm	0.0011 ppm
Concentration RSD	50.4 %	0.3 %	2.3 %	0.6 %	18.0 %	506.6 %	26.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0164 ppm	109.1783 %	101.8803 %	104.2040 %	106.7105 %	100.4956 %	104.1071 %
Concentration per Run 1	0.0169 ppm	109.1541 %	102.5021 %	102.7627 %	107.0313 %	100.9641 %	103.0962 %
Concentration per Run 2	0.0160 ppm	108.7043 %	102.4416 %	104.9695 %	105.3691 %	100.5371 %	104.9084 %
Concentration per Run 3	0.0163 ppm	109.6764 %	100.6971 %	104.8798 %	107.7311 %	99.9855 %	104.3167 %
Concentration RSD	3.0 %	0.4 %	1.0 %	1.2 %	1.1 %	0.5 %	0.9 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCV
Analysis started at: 9/11/2025 7:20:19 AM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4836 ppm	0.4611 ppm		0.4918 ppm	0.4951 ppm	0.5076 ppm	0.5044 ppm
Concentration per Run 1	0.4839 ppm	0.4579 ppm		0.4791 ppm	0.4934 ppm	0.5052 ppm	0.5095 ppm
Concentration per Run 2	0.4856 ppm	0.4585 ppm		0.4775 ppm	0.4883 ppm	0.5099 ppm	0.5035 ppm
Concentration per Run 3	0.4813 ppm	0.4569 ppm		0.4774 ppm	0.4938 ppm	0.5075 ppm	0.5003 ppm
Recovery Percentage 1	96.727 %	92.213 %		95.603 %	99.024 %	101.510 %	100.887 %
Concentration RSD	0.4 %	1.1 %		0.6 %	0.8 %	0.5 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5045 ppm	0.5067 ppm	0.5051 ppm	0.4956 ppm	0.4956 ppm	5.1401 ppm	0.5197 ppm
Concentration per Run 1	0.5069 ppm	0.5096 ppm	0.5067 ppm	0.4946 ppm	0.4909 ppm	5.1189 ppm	0.5177 ppm
Concentration per Run 2	0.5050 ppm	0.5075 ppm	0.5051 ppm	0.4993 ppm	0.5000 ppm	5.1474 ppm	0.5215 ppm
Concentration per Run 3	0.5016 ppm	0.5030 ppm	0.4927 ppm	0.4959 ppm	0.4959 ppm	5.1538 ppm	0.5198 ppm
Recovery Percentage 1	100.905 %	101.344 %	101.021 %	99.112 %	99.120 %	102.801 %	103.934 %
Concentration RSD	0.5 %	0.7 %	0.3 %	0.7 %	0.9 %	0.4 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5046 ppm	0.5131 ppm		0.4969 ppm		0.5066 ppm	0.5325 ppm
Concentration per Run 1	0.5083 ppm	0.5122 ppm		0.4965 ppm	0.5064 ppm	0.5109 ppm	0.5355 ppm
Concentration per Run 2	0.5070 ppm	0.5131 ppm		0.4950 ppm	0.4928 ppm	0.5058 ppm	0.5342 ppm
Concentration per Run 3	0.4986 ppm	0.5140 ppm		0.4990 ppm	0.4921 ppm	0.5032 ppm	0.5280 ppm
Recovery Percentage 1	100.928 %	102.624 %		99.371 %	99.416 %	101.328 %	106.509 %
Concentration RSD	1.0 %	0.2 %		0.4 %	1.6 %	0.8 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4907 ppm	5.3649 ppm	0.4940 ppm	0.4987 ppm	0.4998 ppm	0.4920 ppm	0.5078 ppm
Concentration per Run 1	0.4877 ppm	5.3773 ppm	0.5000 ppm	0.4949 ppm	0.4995 ppm	0.4879 ppm	0.5084 ppm
Concentration per Run 2	0.4939 ppm	5.3660 ppm	0.4931 ppm	0.5021 ppm	0.5015 ppm	0.4981 ppm	0.5104 ppm
Concentration per Run 3	0.4906 ppm	5.3514 ppm	0.4887 ppm	0.4990 ppm	0.4985 ppm	0.4900 ppm	0.5045 ppm
Recovery Percentage 1	98.149 %	102.189 %	98.791 %	99.732 %	99.958 %	98.398 %	101.551 %
Concentration RSD	0.6 %	0.2 %	1.1 %	0.7 %	0.3 %	1.1 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5046 ppm	106.3190 %	101.6478 %	102.4530 %	104.0707 %	100.2011 %	101.7851 %
Concentration per Run 1	0.5105 ppm	105.3245 %	102.2571 %	102.2242 %	103.1230 %	99.9245 %	101.6449 %
Concentration per Run 2	0.5050 ppm	106.5146 %	100.5542 %	104.6962 %	99.5098 %	102.8255 %	102.8255 %
Concentration per Run 3	0.4982 ppm	107.1180 %	102.1321 %	101.8780 %	104.3929 %	101.1690 %	100.8849 %
Recovery Percentage 1	100.914 %						
Concentration RSD	1.2 %	0.9 %	0.9 %	0.7 %	0.8 %	0.9 %	1.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/11/2025 7:23:34 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0020 ppm	-0.0191 ppm	-0.0025 ppm	-0.0003 ppm	-0.0002 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 1	-0.0026 ppm	-0.0238 ppm	-0.0011 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm	0.0023 ppm
Concentration per Run 2	-0.0025 ppm	-0.0205 ppm	-0.0040 ppm	-0.0013 ppm	-0.0002 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run 3	-0.0009 ppm	-0.0130 ppm	-0.0025 ppm	0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0027 ppm
Recovery Percentage 1	-28.449 %	-19.078 %	-50.191 %	-0.852 %	-2.268 %	0.777 %	2.760 %
Concentration RSD	48.1 %	29.0 %	58.0 %	361.6 %	17.0 %	115.5 %	15.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0017 ppm	0.0006 ppm	0.0009 ppm	-0.0003 ppm	0.0017 ppm	0.0010 ppm
Concentration per Run 1	-0.0002 ppm	0.0028 ppm	0.0001 ppm	0.0012 ppm	0.0003 ppm	-0.0029 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0010 ppm	0.0012 ppm	0.0010 ppm	0.0001 ppm	-0.0070 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0013 ppm	0.0006 ppm	0.0002 ppm	-0.0013 ppm	0.0152 ppm	0.0012 ppm
Recovery Percentage 1	-1.071 %	8.530 %	6.124 %	8.661 %	-0.608 %	0.070 %	20.089 %
Concentration RSD	166.6 %	55.7 %	90.9 %	65.5 %	272.5 %	676.4 %	18.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0132 ppm	0.0001 ppm	0.0037 ppm	-0.0253 ppm	-0.0010 ppm	0.0038 ppm	0.0079 ppm
Concentration per Run 1	0.0137 ppm	0.0002 ppm	0.0043 ppm	-0.0269 ppm	-0.0008 ppm	0.0009 ppm	0.0053 ppm
Concentration per Run 2	0.0124 ppm	0.0002 ppm	0.0022 ppm	-0.0207 ppm	-0.0008 ppm	0.0036 ppm	0.0126 ppm
Concentration per Run 3	0.0135 ppm	-0.0001 ppm	0.0046 ppm	-0.0282 ppm	-0.0013 ppm	0.0067 ppm	0.0056 ppm
Recovery Percentage 1	13.197 %	1.099 %	7.413 %	-1.263 %	-3.808 %	37.592 %	15.705 %
Concentration RSD	5.5 %	136.4 %	36.1 %	15.8 %	30.9 %	77.8 %	52.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0051 ppm	-0.0063 ppm	0.0038 ppm	0.0000 ppm	0.0024 ppm	-0.0021 ppm	0.0010 ppm
Concentration per Run 1	0.0059 ppm	-0.0017 ppm	0.0021 ppm	0.0001 ppm	0.0020 ppm	-0.0037 ppm	0.0011 ppm
Concentration per Run 2	-0.0008 ppm	-0.0131 ppm	0.0037 ppm	0.0001 ppm	0.0030 ppm	0.0002 ppm	0.0013 ppm
Concentration per Run 3	0.0101 ppm	-0.0042 ppm	0.0055 ppm	0.0000 ppm	0.0020 ppm	-0.0029 ppm	0.0004 ppm
Recovery Percentage 1	50.734 %	-1.262 %	7.523 %	0.499 %	23.698 %	-10.618 %	9.596 %
Concentration RSD	108.6 %	94.7 %	45.2 %	39.5 %	24.5 %	98.5 %	50.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	103.7403 %	99.3776 %	99.8381 %	102.5585 %	99.0868 %	99.7879 %
Concentration per Run 1	0.0009 ppm	103.5596 %	99.6103 %	100.1632 %	102.2943 %	99.4958 %	99.5667 %
Concentration per Run 2	0.0005 ppm	104.3428 %	99.7080 %	99.6500 %	103.0307 %	99.2720 %	99.5146 %
Concentration per Run 3	0.0004 ppm	103.3184 %	98.8143 %	99.7011 %	102.3507 %	98.4927 %	100.2825 %
Recovery Percentage 1	12.243 %	0.5 %	0.5 %	0.3 %	0.4 %	0.5 %	0.4 %
Concentration RSD	39.7 %	0.5 %	0.5 %	0.3 %	0.4 %	0.5 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555524-02 WG2111288

Analysis started at: 9/11/2025 7:32:30 AM

Rack

Vial

Comment

<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0018 ppm	2.0207 ppm	-0.0030 ppm	0.0574 ppm	0.0321 ppm	0.0020 ppm	15.7574 ppm
Concentration per Run 1	-0.0021 ppm	2.0233 ppm	-0.0063 ppm	0.0570 ppm	0.0322 ppm	0.0020 ppm	15.7840 ppm
Concentration per Run 2	-0.0010 ppm	2.0218 ppm	-0.0029 ppm	0.0588 ppm	0.0320 ppm	0.0020 ppm	15.7207 ppm
Concentration per Run 3	-0.0021 ppm	2.0169 ppm	0.0002 ppm	0.0564 ppm	0.0322 ppm	0.0021 ppm	15.7674 ppm
Concentration RSD	37.3 %	0.2 %	109.2 %	2.2 %	0.3 %	3.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0212 ppm	0.0021 ppm	0.0059 ppm	1.9751 ppm	2.6494 ppm	0.0371 ppm
Concentration per Run 1	0.0002 ppm	0.0213 ppm	0.0025 ppm	0.0071 ppm	1.9746 ppm	2.6466 ppm	0.0360 ppm
Concentration per Run 2	0.0000 ppm	0.0213 ppm	0.0023 ppm	0.0044 ppm	1.9610 ppm	2.6531 ppm	0.0369 ppm
Concentration per Run 3	0.0001 ppm	0.0211 ppm	0.0017 ppm	0.0061 ppm	1.9896 ppm	2.6486 ppm	0.0384 ppm
Concentration RSD	111.1 %	0.8 %	20.0 %	23.0 %	0.7 %	0.1 %	3.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	7.5086 ppm	0.7668 ppm	-0.0002 ppm	17.8576 ppm	0.0267 ppm	0.0042 ppm	0.0050 ppm
Concentration per Run 1	7.4753 ppm	0.7682 ppm	0.0004 ppm	17.8711 ppm	0.0248 ppm	0.0035 ppm	0.0022 ppm
Concentration per Run 2	7.5575 ppm	0.7643 ppm	0.0001 ppm	17.7334 ppm	0.0283 ppm	0.0015 ppm	0.0078 ppm
Concentration per Run 3	7.4929 ppm	0.7680 ppm	-0.0010 ppm	17.9684 ppm	0.0271 ppm	0.0078 ppm	0.0049 ppm
Concentration RSD	0.6 %	0.3 %	418.2 %	0.7 %	6.7 %	75.6 %	56.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0049 ppm	14.9329 ppm	-0.0012 ppm	0.1637 ppm	0.0021 ppm	0.0002 ppm	0.0011 ppm
Concentration per Run 1	0.0043 ppm	14.8848 ppm	0.0022 ppm	0.1635 ppm	0.0018 ppm	-0.0018 ppm	0.0014 ppm
Concentration per Run 2	0.0035 ppm	14.9883 ppm	-0.0025 ppm	0.1628 ppm	0.0015 ppm	0.0053 ppm	0.0010 ppm
Concentration per Run 3	0.0071 ppm	14.9257 ppm	-0.0033 ppm	0.1648 ppm	0.0030 ppm	-0.0029 ppm	0.0010 ppm
Concentration RSD	38.5 %	0.3 %	251.3 %	0.6 %	37.1 %	2,354.2 %	18.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0596 ppm	108.6915 %	101.6960 %	102.7669 %	107.3610 %	101.6587 %	104.1707 %
Concentration per Run 1	0.0596 ppm	109.2373 %	101.6482 %	102.9966 %	107.6752 %	101.5987 %	104.1056 %
Concentration per Run 2	0.0603 ppm	107.7524 %	102.6622 %	102.7339 %	106.6231 %	103.0543 %	104.0747 %
Concentration per Run 3	0.0590 ppm	109.0850 %	100.7776 %	102.5702 %	107.7847 %	100.3230 %	104.3318 %
Concentration RSD	1.0 %	0.8 %	0.9 %	0.2 %	0.6 %	1.3 %	0.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2111288-7 WG2111288

Analysis started at: 9/11/2025 7:35:51 AM

Rack 2

Vial 7

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0390 ppm	3.9965 ppm		1.0529 ppm	2.0020 ppm	0.0523 ppm	25.2311 ppm
Concentration per Run 1	0.0387 ppm	3.9959 ppm	0.1210 ppm	1.0484 ppm	2.0041 ppm	0.0524 ppm	25.2702 ppm
Concentration per Run 2	0.0396 ppm	3.9940 ppm	0.1202 ppm	1.0525 ppm	2.0016 ppm	0.0524 ppm	25.1621 ppm
Concentration per Run 3	0.0387 ppm	3.9996 ppm	0.1204 ppm	1.0579 ppm	2.0004 ppm	0.0523 ppm	25.2610 ppm
Concentration RSD	1.3 %	0.1 %	1.0 %	0.5 %	0.1 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0534 ppm	0.5185 ppm	0.1980 ppm	0.2552 ppm	2.8654 ppm	12.8120 ppm	0.0356 ppm
Concentration per Run 1	0.0528 ppm	0.5131 ppm	0.1958 ppm	0.2536 ppm	2.8681 ppm	0.0357 ppm	0.0357 ppm
Concentration per Run 2	0.0539 ppm	0.5229 ppm	0.1993 ppm	0.2555 ppm	2.8715 ppm	12.8222 ppm	0.0352 ppm
Concentration per Run 3	0.0535 ppm	0.5196 ppm	0.1990 ppm	0.2564 ppm	2.8665 ppm	12.7889 ppm	0.0361 ppm
Concentration RSD	1.1 %	1.0 %	1.0 %	0.6 %	0.3 %	0.2 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.2650 ppm	1.2584 ppm	0.9642 ppm	27.3811 ppm	0.5158 ppm	0.5351 ppm	0.4616 ppm
Concentration per Run 1	17.1676 ppm	1.2623 ppm	0.9535 ppm	27.2795 ppm	0.5334 ppm	0.5334 ppm	0.4553 ppm
Concentration per Run 2	17.3205 ppm	1.2580 ppm	0.9727 ppm	27.3581 ppm	0.5140 ppm	0.5342 ppm	0.4657 ppm
Concentration per Run 3	17.3070 ppm	1.2550 ppm	0.9663 ppm	27.5077 ppm	0.5202 ppm	0.5378 ppm	0.4638 ppm
Concentration RSD	0.5 %	0.3 %	1.0 %	0.4 %	0.7 %	0.4 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1209 ppm	15.6558 ppm	0.9359 ppm	1.1232 ppm	0.9882 ppm	0.1201 ppm	0.5137 ppm
Concentration per Run 1	0.1243 ppm	15.5218 ppm	0.9221 ppm	1.1264 ppm	0.9862 ppm	0.1203 ppm	0.5099 ppm
Concentration per Run 2	0.1199 ppm	15.7637 ppm	0.9444 ppm	1.1234 ppm	0.9848 ppm	0.1195 ppm	0.5149 ppm
Concentration per Run 3	0.1186 ppm	15.6820 ppm	0.9413 ppm	1.1197 ppm	0.9937 ppm	0.1205 ppm	0.5164 ppm
Concentration RSD	2.5 %	0.8 %	1.3 %	0.3 %	0.5 %	0.5 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5605 ppm	107.1637 %	102.6223 %	102.4174 %	105.9146 %	101.9287 %	102.7607 %
Concentration per Run 1	0.5548 ppm	108.1017 %	102.9781 %	102.2133 %	106.6508 %	102.5457 %	103.2837 %
Concentration per Run 2	0.5629 ppm	106.8048 %	102.6544 %	102.8676 %	105.6971 %	101.8083 %	103.3406 %
Concentration per Run 3	0.5639 ppm	106.5847 %	102.2343 %	102.1714 %	105.3960 %	101.4320 %	101.6576 %
Concentration RSD	0.9 %	0.8 %	0.4 %	0.4 %	0.6 %	0.6 %	0.9 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2111288-8 WG2111288

Analysis started at: 9/11/2025 7:39:05 AM

Rack 2

Vial 8

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0011 ppm	1.9888 ppm	-0.0027 ppm	0.0582 ppm	0.0318 ppm	0.0020 ppm	15.5205 ppm
Concentration per Run 1	-0.0011 ppm	1.9764 ppm	-0.0031 ppm	0.0574 ppm	0.0315 ppm	0.0019 ppm	15.5158 ppm
Concentration per Run 2	-0.0019 ppm	1.9946 ppm	-0.0021 ppm	0.0593 ppm	0.0317 ppm	0.0020 ppm	15.5292 ppm
Concentration per Run 3	-0.0004 ppm	1.9954 ppm	-0.0029 ppm	0.0579 ppm	0.0320 ppm	0.0021 ppm	15.5165 ppm
Concentration RSD	68.8 %	0.5 %	18.4 %	1.7 %	0.8 %	2.8 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0220 ppm	0.0017 ppm	0.0059 ppm	1.9465 ppm	2.6119 ppm	0.0370 ppm
Concentration per Run 1	0.0001 ppm	0.0227 ppm	0.0015 ppm	0.0065 ppm	1.9349 ppm	2.6002 ppm	0.0379 ppm
Concentration per Run 2	0.0005 ppm	0.0217 ppm	0.0028 ppm	0.0061 ppm	1.9476 ppm	2.6078 ppm	0.0370 ppm
Concentration per Run 3	0.0000 ppm	0.0217 ppm	0.0009 ppm	0.0051 ppm	1.9571 ppm	2.6277 ppm	0.0360 ppm
Concentration RSD	167.6 %	2.8 %	57.3 %	12.4 %	0.6 %	0.5 %	2.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	7.4374 ppm	0.7564 ppm	0.0068 ppm	17.6314 ppm	0.0262 ppm	0.0059 ppm	0.0081 ppm
Concentration per Run 1	7.4056 ppm	0.7534 ppm	0.0081 ppm	17.6583 ppm	0.0267 ppm	0.0058 ppm	0.0064 ppm
Concentration per Run 2	7.4244 ppm	0.7576 ppm	0.0066 ppm	17.6499 ppm	0.0268 ppm	0.0063 ppm	0.0106 ppm
Concentration per Run 3	7.4822 ppm	0.7582 ppm	0.0058 ppm	17.5859 ppm	0.0251 ppm	0.0055 ppm	0.0072 ppm
Concentration RSD	0.5 %	0.3 %	17.1 %	0.2 %	3.7 %	7.0 %	27.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0048 ppm	14.8065 ppm	0.0109 ppm	0.1606 ppm	0.0032 ppm	0.0014 ppm	0.0008 ppm
Concentration per Run 1	0.0046 ppm	14.7653 ppm	0.0116 ppm	0.1599 ppm	0.0032 ppm	0.0011 ppm	0.0008 ppm
Concentration per Run 2	0.0069 ppm	14.7967 ppm	0.0097 ppm	0.1607 ppm	0.0030 ppm	0.0030 ppm	0.0007 ppm
Concentration per Run 3	0.0028 ppm	14.8576 ppm	0.0115 ppm	0.1611 ppm	0.0032 ppm	0.0002 ppm	0.0008 ppm
Concentration RSD	43.9 %	0.3 %	9.8 %	0.4 %	3.7 %	101.5 %	9.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0594 ppm	107.1953 %	102.6442 %	102.1744 %	106.1860 %	102.5473 %	103.3995 %
Concentration per Run 1	0.0589 ppm	108.2074 %	103.3400 %	101.9465 %	107.0456 %	103.0676 %	102.7309 %
Concentration per Run 2	0.0598 ppm	107.0858 %	102.3206 %	101.9304 %	105.6600 %	102.7386 %	103.6848 %
Concentration per Run 3	0.0596 ppm	106.2928 %	102.2721 %	102.6461 %	105.8524 %	101.8359 %	103.8028 %
Concentration RSD	0.8 %	0.9 %	0.6 %	0.4 %	0.7 %	0.6 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2111288-9 WG2111288

Analysis started at: 9/11/2025 7:42:20 AM

Rack 2

Vial 9

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0460 ppm	3.8740 ppm	0.1140 ppm	1.0164 ppm	1.9281 ppm	0.0504 ppm	24.8251 ppm
Concentration per Run 1	0.0457 ppm	3.8778 ppm	0.1129 ppm	1.0142 ppm	1.9238 ppm	0.0505 ppm	24.8600 ppm
Concentration per Run 2	0.0462 ppm	3.8776 ppm	0.1125 ppm	1.0209 ppm	1.9276 ppm	0.0504 ppm	24.8625 ppm
Concentration per Run 3	0.0462 ppm	3.8667 ppm	0.1165 ppm	1.0142 ppm	1.9329 ppm	0.0504 ppm	24.7529 ppm
Concentration RSD	0.5 %	0.2 %	1.9 %	0.4 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0508 ppm	0.4921 ppm	0.1891 ppm	0.2427 ppm	2.8251 ppm	12.4993 ppm	0.0348 ppm
Concentration per Run 1	0.0508 ppm	0.4928 ppm	0.1878 ppm	0.2447 ppm	2.8270 ppm	12.4694 ppm	0.0346 ppm
Concentration per Run 2	0.0506 ppm	0.4905 ppm	0.1904 ppm	0.2421 ppm	2.8272 ppm	12.5049 ppm	0.0347 ppm
Concentration per Run 3	0.0510 ppm	0.4931 ppm	0.1890 ppm	0.2412 ppm	2.8212 ppm	12.5236 ppm	0.0350 ppm
Concentration RSD	0.4 %	0.3 %	0.7 %	0.8 %	0.1 %	0.2 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	16.7033 ppm	1.2212 ppm	0.9356 ppm	26.8157 ppm	0.4919 ppm	0.5139 ppm	0.3115 ppm
Concentration per Run 1	16.6760 ppm	1.2257 ppm	0.9312 ppm	26.7636 ppm	0.4914 ppm	0.5123 ppm	0.3022 ppm
Concentration per Run 2	16.7611 ppm	1.2218 ppm	0.9366 ppm	26.8709 ppm	0.4918 ppm	0.5135 ppm	0.3104 ppm
Concentration per Run 3	16.6729 ppm	1.2160 ppm	0.9389 ppm	26.8128 ppm	0.4926 ppm	0.5160 ppm	0.3221 ppm
Concentration RSD	0.3 %	0.4 %	0.4 %	0.2 %	0.1 %	0.4 %	3.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1193 ppm	14.9998 ppm	0.9049 ppm	1.1050 ppm	0.9612 ppm	0.1150 ppm	0.4887 ppm
Concentration per Run 1	0.1196 ppm	15.0072 ppm	0.9084 ppm	1.1007 ppm	0.9608 ppm	0.1148 ppm	0.4880 ppm
Concentration per Run 2	0.1195 ppm	14.9998 ppm	0.9064 ppm	1.1057 ppm	0.9622 ppm	0.1104 ppm	0.4900 ppm
Concentration per Run 3	0.1189 ppm	14.9923 ppm	0.9000 ppm	1.1086 ppm	0.9607 ppm	0.1197 ppm	0.4882 ppm
Concentration RSD	0.3 %	0.0 %	0.5 %	0.4 %	0.1 %	4.0 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5328 ppm	108.9000 %	103.4245 %	102.4851 %	107.2541 %	103.0983 %	103.4186 %
Concentration per Run 1	0.5315 ppm	109.3025 %	103.1667 %	102.3189 %	107.5451 %	103.1024 %	103.8574 %
Concentration per Run 2	0.5355 ppm	108.0743 %	103.2334 %	102.2807 %	106.7701 %	103.0510 %	102.4317 %
Concentration per Run 3	0.5315 ppm	109.3230 %	103.8734 %	102.8557 %	107.4471 %	103.1416 %	103.9666 %
Concentration RSD	0.4 %	0.7 %	0.4 %	0.3 %	0.4 %	0.0 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2111288-10D5 WG2111288
Analysis started at: 9/11/2025 7:45:36 AM
Rack 2
Vial 10
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0020 ppm	0.3901 ppm	-0.0034 ppm	0.0127 ppm	0.0062 ppm	0.0003 ppm	3.0915 ppm
Concentration per Run 1	-0.0019 ppm	0.3879 ppm	-0.0047 ppm	0.0135 ppm	0.0064 ppm	0.0004 ppm	3.1098 ppm
Concentration per Run 2	-0.0019 ppm	0.3937 ppm	-0.0045 ppm	0.0118 ppm	0.0063 ppm	0.0003 ppm	3.0905 ppm
Concentration per Run 3	-0.0021 ppm	0.3888 ppm	-0.0009 ppm	0.0127 ppm	0.0061 ppm	0.0003 ppm	3.0742 ppm
Concentration RSD	8.0 %	0.8 %	64.7 %	7.0 %	2.3 %	10.6 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0038 ppm	0.0008 ppm	0.0017 ppm	0.3930 ppm	0.5368 ppm	0.0075 ppm
Concentration per Run 1	-0.0005 ppm	0.0032 ppm	0.0016 ppm	0.0013 ppm	0.3936 ppm	0.5436 ppm	0.0074 ppm
Concentration per Run 2	0.0000 ppm	0.0036 ppm	-0.0001 ppm	0.0012 ppm	0.3933 ppm	0.5305 ppm	0.0072 ppm
Concentration per Run 3	-0.0002 ppm	0.0046 ppm	0.0008 ppm	0.0027 ppm	0.3921 ppm	0.5363 ppm	0.0078 ppm
Concentration RSD	96.5 %	18.4 %	111.6 %	49.2 %	0.2 %	1.2 %	4.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.4700 ppm	0.1508 ppm	0.0087 ppm	3.5035 ppm	0.0048 ppm	0.0013 ppm	0.0591 ppm
Concentration per Run 1	1.4669 ppm	0.1524 ppm	0.0087 ppm	3.5094 ppm	0.0038 ppm	-0.0006 ppm	0.0538 ppm
Concentration per Run 2	1.4726 ppm	0.1510 ppm	0.0075 ppm	3.5176 ppm	0.0060 ppm	-0.0004 ppm	0.0690 ppm
Concentration per Run 3	1.4705 ppm	0.1490 ppm	0.0098 ppm	3.4836 ppm	0.0044 ppm	0.0050 ppm	0.0545 ppm
Concentration RSD	0.2 %	1.2 %	13.3 %	0.5 %	23.5 %	240.1 %	14.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	2.8790 ppm	0.0275 ppm	0.0318 ppm	0.0028 ppm	0.0030 ppm	0.0014 ppm
Concentration per Run 1	0.0026 ppm	2.8698 ppm	0.0282 ppm	0.0322 ppm	0.0030 ppm	0.0045 ppm	0.0014 ppm
Concentration per Run 2	0.0025 ppm	2.8763 ppm	0.0269 ppm	0.0318 ppm	0.0028 ppm	-0.0014 ppm	0.0015 ppm
Concentration per Run 3	0.0049 ppm	2.8909 ppm	0.0274 ppm	0.0314 ppm	0.0026 ppm	0.0060 ppm	0.0012 ppm
Concentration RSD	40.3 %	0.4 %	2.4 %	1.1 %	7.5 %	127.6 %	11.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0126 ppm	108.4109 %	103.7589 %	102.4046 %	105.9995 %	102.4132 %	102.4437 %
Concentration per Run 1	0.0124 ppm	109.2475 %	102.8622 %	102.0709 %	106.4154 %	102.1438 %	102.2497 %
Concentration per Run 2	0.0130 ppm	107.9636 %	104.0566 %	101.8462 %	106.0199 %	102.5476 %	101.7441 %
Concentration per Run 3	0.0124 ppm	108.0215 %	104.3578 %	103.2968 %	105.5631 %	102.5483 %	103.3372 %
Concentration RSD	2.7 %	0.7 %	0.8 %	0.8 %	0.4 %	0.2 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCV
Analysis started at: 9/11/2025 7:48:51 AM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4817 ppm	0.4589 ppm	0.4769 ppm	0.4843 ppm	0.4899 ppm	0.5042 ppm	0.4941 ppm
Concentration per Run 1	0.4830 ppm	0.4624 ppm	0.4795 ppm	0.4879 ppm	0.4891 ppm	0.5039 ppm	0.4925 ppm
Concentration per Run 2	0.4814 ppm	0.4543 ppm	0.4730 ppm	0.4822 ppm	0.4898 ppm	0.5045 ppm	0.4932 ppm
Concentration per Run 3	0.4808 ppm	0.4600 ppm	0.4782 ppm	0.4827 ppm	0.4908 ppm	0.5041 ppm	0.4967 ppm
Recovery Percentage 1	96.345 %	91.775 %	95.377 %	96.853 %	97.986 %	100.831 %	98.829 %
Concentration RSD	0.2 %	0.9 %	0.7 %	0.7 %	0.2 %	0.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5025 ppm	0.5037 ppm	0.4998 ppm	0.4946 ppm	0.4902 ppm	5.1097 ppm	0.5160 ppm
Concentration per Run 1	0.5005 ppm	0.5012 ppm	0.4999 ppm	0.4939 ppm	0.4884 ppm	5.1009 ppm	0.5145 ppm
Concentration per Run 2	0.5050 ppm	0.5036 ppm	0.4983 ppm	0.4961 ppm	0.4902 ppm	5.1465 ppm	0.5193 ppm
Concentration per Run 3	0.5022 ppm	0.5065 ppm	0.5011 ppm	0.4936 ppm	0.4920 ppm	5.0816 ppm	0.5141 ppm
Recovery Percentage 1	100.508 %	100.749 %	99.952 %	98.912 %	98.044 %	102.193 %	103.193 %
Concentration RSD	0.5 %	0.5 %	0.3 %	0.3 %	0.4 %	0.7 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4943 ppm	0.5080 ppm	0.4924 ppm	10.2150 ppm	0.4941 ppm	0.5068 ppm	0.5279 ppm
Concentration per Run 1	0.4924 ppm	0.5075 ppm	0.4913 ppm	10.2221 ppm	0.4944 ppm	0.5084 ppm	0.5307 ppm
Concentration per Run 2	0.4955 ppm	0.5084 ppm	0.4920 ppm	10.2537 ppm	0.4928 ppm	0.5047 ppm	0.5248 ppm
Concentration per Run 3	0.4952 ppm	0.5080 ppm	0.4938 ppm	10.1692 ppm	0.4950 ppm	0.5073 ppm	0.5280 ppm
Recovery Percentage 1	98.870 %	101.592 %	98.472 %	102.150 %	98.811 %	101.362 %	105.571 %
Concentration RSD	0.4 %	0.1 %	0.3 %	0.4 %	0.2 %	0.4 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4894 ppm	5.3120 ppm	0.4930 ppm	0.4934 ppm	0.4979 ppm	0.4888 ppm	0.5055 ppm
Concentration per Run 1	0.4929 ppm	5.2899 ppm	0.4933 ppm	0.4907 ppm	0.4996 ppm	0.4892 ppm	0.5045 ppm
Concentration per Run 2	0.4901 ppm	5.3173 ppm	0.4957 ppm	0.4939 ppm	0.4976 ppm	0.4899 ppm	0.5058 ppm
Concentration per Run 3	0.4852 ppm	5.3289 ppm	0.4900 ppm	0.4955 ppm	0.4966 ppm	0.4875 ppm	0.5063 ppm
Recovery Percentage 1	97.883 %	101.181 %	98.601 %	98.674 %	99.584 %	97.768 %	101.105 %
Concentration RSD	0.8 %	0.4 %	0.6 %	0.5 %	0.3 %	0.3 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5005 ppm	107.8284 %	102.8262 %	102.6136 %	104.7443 %	100.8491 %	101.8410 %
Concentration per Run 1	0.4995 ppm	107.3494 %	103.3482 %	102.0045 %	104.0760 %	100.7894 %	100.5318 %
Concentration per Run 2	0.5004 ppm	108.0585 %	102.4060 %	102.5261 %	104.9341 %	100.8972 %	101.8480 %
Concentration per Run 3	0.5016 ppm	108.0772 %	102.7246 %	103.3103 %	105.2229 %	100.8606 %	102.0633 %
Recovery Percentage 1	100.095 %						
Concentration RSD	0.2 %	0.4 %	0.5 %	0.6 %	0.6 %	0.1 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCB

Sample: 9/11/2025 7:52:06 AM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0009 ppm	-0.0164 ppm	-0.0048 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 1	-0.0017 ppm	-0.0137 ppm	-0.0038 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 2	-0.0010 ppm	-0.0159 ppm	-0.0039 ppm	0.0004 ppm	-0.0002 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 3	0.0001 ppm	-0.0195 ppm	-0.0066 ppm	0.0016 ppm	-0.0001 ppm	0.0000 ppm	0.0009 ppm
Recovery Percentage 1	-12.200 %	-16.384 %	-95.407 %	2.803 %	-1.397 %	0.325 %	1.761 %
Concentration RSD	106.5 %	17.9 %	33.2 %	74.5 %	36.0 %	126.2 %	50.9 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0001 ppm	0.0006 ppm	0.0005 ppm	0.0014 ppm	-0.0007 ppm	-0.0104 ppm	0.0013 ppm
Concentration per Run 1	0.0003 ppm	0.0004 ppm	0.0003 ppm	0.0010 ppm	-0.0001 ppm	0.0015 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0010 ppm	0.0016 ppm	-0.0003 ppm	-0.0019 ppm	0.0014 ppm
Concentration per Run 3	-0.0002 ppm	0.0013 ppm	0.0003 ppm	0.0015 ppm	-0.0019 ppm	-0.0306 ppm	0.0015 ppm
Recovery Percentage 1	1.233 %	3.018 %	5.394 %	13.615 %	-1.471 %	-0.414 %	25.704 %
Concentration RSD	421.1 %	107.3 %	80.2 %	22.5 %	133.7 %	170.4 %	22.5 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0155 ppm	0.0002 ppm	0.0032 ppm	-0.0331 ppm	0.0012 ppm	0.0020 ppm	0.0132 ppm
Concentration per Run 1	0.0157 ppm	0.0003 ppm	0.0032 ppm	-0.0363 ppm	0.0003 ppm	-0.0011 ppm	0.0136 ppm
Concentration per Run 2	0.0084 ppm	0.0004 ppm	0.0037 ppm	-0.0269 ppm	0.0030 ppm	0.0019 ppm	0.0169 ppm
Concentration per Run 3	0.0223 ppm	0.0000 ppm	0.0027 ppm	-0.0360 ppm	0.0003 ppm	0.0050 ppm	0.0092 ppm
Recovery Percentage 1	15.474 %	2.490 %	6.418 %	-1.653 %	4.793 %	19.536 %	26.420 %
Concentration RSD	45.0 %	87.6 %	15.5 %	16.1 %	128.9 %	156.5 %	29.3 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0061 ppm	-0.0108 ppm	0.0048 ppm	0.0000 ppm	0.0027 ppm	0.0030 ppm	0.0008 ppm
Concentration per Run 1	0.0045 ppm	-0.0120 ppm	0.0062 ppm	0.0000 ppm	0.0014 ppm	0.0022 ppm	0.0011 ppm
Concentration per Run 2	0.0025 ppm	-0.0071 ppm	0.0041 ppm	0.0000 ppm	0.0031 ppm	0.0042 ppm	0.0008 ppm
Concentration per Run 3	0.0114 ppm	-0.0134 ppm	0.0041 ppm	0.0000 ppm	0.0029 ppm	0.0036 ppm	0.0006 ppm
Recovery Percentage 1	61.128 %	-2.164 %	9.575 %	0.015 %	27.199 %	15.242 %	8.463 %
Concentration RSD	76.6 %	30.8 %	24.7 %	2.709.8 %	17.1 %	47.6 %	26.3 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.0004 ppm	105.986 %	99.9487 %	99.8803 %	104.2273 %	99.5842 %	100.4885 %
Concentration per Run 1	0.0007 ppm	106.4482 %	99.6409 %	100.9058 %	104.3178 %	99.1386 %	101.3395 %
Concentration per Run 2	-0.0001 ppm	105.1025 %	100.5263 %	98.7065 %	104.0593 %	99.9698 %	99.3354 %
Concentration per Run 3	0.0004 ppm	106.4451 %	99.6787 %	100.0287 %	104.3049 %	99.6443 %	100.7904 %
Recovery Percentage 1	7.386 %						
Concentration RSD	107.3 %	0.7 %	0.5 %	1.1 %	0.1 %	0.4 %	1.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556550-01D5 WG2112844

Analysis started at: 9/11/2025 8:00:49 AM

Rack 2

Vial 21

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0024 ppm	-0.0214 ppm	0.0352 ppm	0.0650 ppm	0.0072 ppm	0.0000 ppm	73.5170 ppm
Concentration per Run 1	-0.0016 ppm	-0.0228 ppm	0.0350 ppm	0.0654 ppm	0.0072 ppm	0.0000 ppm	73.7183 ppm
Concentration per Run 2	-0.0029 ppm	-0.0114 ppm	0.0355 ppm	0.0653 ppm	0.0071 ppm	0.0000 ppm	73.7281 ppm
Concentration per Run 3	-0.0027 ppm	-0.0300 ppm	0.0352 ppm	0.0643 ppm	0.0072 ppm	0.0000 ppm	73.1046 ppm
Concentration RSD	30.3 %	43.7 %	0.8 %	0.9 %	0.5 %	204.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	-0.0003 ppm	0.0006 ppm	0.0015 ppm	0.0017 ppm	7.7774 ppm	0.0206 ppm
Concentration per Run 1	-0.0005 ppm	0.0018 ppm	0.0012 ppm	0.0018 ppm	0.0012 ppm	7.7467 ppm	0.0218 ppm
Concentration per Run 2	-0.0007 ppm	-0.0015 ppm	-0.0005 ppm	0.0009 ppm	0.0026 ppm	7.8086 ppm	0.0200 ppm
Concentration per Run 3	-0.0006 ppm	-0.0013 ppm	0.0010 ppm	0.0019 ppm	0.0013 ppm	7.7769 ppm	0.0201 ppm
Concentration RSD	12.2 %	576.8 %	168.8 %	35.8 %	44.5 %	0.4 %	4.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.7404 ppm	0.4364 ppm	0.0000 ppm	144.2431 ppm	0.0006 ppm	0.0005 ppm	0.0076 ppm
Concentration per Run 1	19.8572 ppm	0.4356 ppm	0.0004 ppm	145.3527 ppm	-0.0002 ppm	-0.0003 ppm	-0.0018 ppm
Concentration per Run 2	19.7082 ppm	0.4378 ppm	0.0007 ppm	144.1294 ppm	-0.0004 ppm	0.0002 ppm	0.0046 ppm
Concentration per Run 3	19.6558 ppm	0.4358 ppm	-0.0012 ppm	143.2473 ppm	0.0025 ppm	0.0017 ppm	0.0201 ppm
Concentration RSD	0.5 %	0.3 %	2.379.3 %	0.7 %	253.5 %	201.5 %	147.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0024 ppm	3.7000 ppm	-0.0013 ppm	0.6014 ppm	0.0024 ppm	0.0008 ppm	0.0011 ppm
Concentration per Run 1	0.0036 ppm	3.7106 ppm	-0.0012 ppm	0.5994 ppm	0.0019 ppm	0.0044 ppm	0.0009 ppm
Concentration per Run 2	0.0009 ppm	3.7032 ppm	-0.0004 ppm	0.6027 ppm	0.0026 ppm	-0.0011 ppm	0.0008 ppm
Concentration per Run 3	0.0026 ppm	3.6860 ppm	-0.0022 ppm	0.6021 ppm	0.0026 ppm	-0.0010 ppm	0.0014 ppm
Concentration RSD	58.5 %	0.3 %	70.7 %	0.3 %	16.5 %	418.9 %	32.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0045 ppm	110.3328 %	99.6587 %	104.4667 %	107.3036 %	97.7592 %	102.8190 %
Concentration per Run 1	-0.0046 ppm	109.4697 %	99.2053 %	103.9253 %	106.0287 %	97.4033 %	102.4862 %
Concentration per Run 2	-0.0043 ppm	110.1556 %	99.4530 %	104.6196 %	107.8690 %	97.7890 %	103.0058 %
Concentration per Run 3	-0.0046 ppm	111.3731 %	100.3179 %	104.8553 %	108.0132 %	98.0852 %	102.9651 %
Concentration RSD	4.1 %	0.9 %	0.6 %	0.5 %	1.0 %	0.3 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112844-3D5 WG2112844

Analysis started at: 9/11/2025 8:04:11 AM

Rack 2

Vial 22

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0079 ppm	0.3860 ppm	0.0607 ppm	0.2588 ppm	0.4020 ppm	0.0100 ppm	76.8387 ppm
Concentration per Run 1	0.0068 ppm	0.3834 ppm	0.0618 ppm	0.2630 ppm	0.3993 ppm	0.0100 ppm	76.5589 ppm
Concentration per Run 2	0.0074 ppm	0.3878 ppm	0.0609 ppm	0.2572 ppm	0.4038 ppm	0.0101 ppm	77.0744 ppm
Concentration per Run 3	0.0095 ppm	0.3869 ppm	0.0593 ppm	0.2563 ppm	0.4028 ppm	0.0100 ppm	76.8827 ppm
Concentration RSD	17.9 %	0.6 %	2.1 %	1.4 %	0.6 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0096 ppm	0.0980 ppm	0.0394 ppm	0.0517 ppm	0.1972 ppm	9.9949 ppm	0.0208 ppm
Concentration per Run 1	0.0093 ppm	0.0973 ppm	0.0386 ppm	0.0527 ppm	0.1967 ppm	9.9813 ppm	0.0210 ppm
Concentration per Run 2	0.0100 ppm	0.0984 ppm	0.0397 ppm	0.0506 ppm	0.1954 ppm	10.0125 ppm	0.0198 ppm
Concentration per Run 3	0.0096 ppm	0.0983 ppm	0.0399 ppm	0.0516 ppm	0.1996 ppm	9.9908 ppm	0.0217 ppm
Concentration RSD	4.0 %	0.6 %	1.7 %	2.0 %	1.1 %	0.2 %	4.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.1504 ppm	0.5499 ppm	0.1891 ppm	148.5934 ppm	0.0958 ppm	0.1061 ppm	0.1061 ppm
Concentration per Run 1	22.0890 ppm	0.5486 ppm	0.1875 ppm	147.8195 ppm	0.0954 ppm	0.1051 ppm	0.0974 ppm
Concentration per Run 2	22.1186 ppm	0.5521 ppm	0.1887 ppm	148.6703 ppm	0.0963 ppm	0.1068 ppm	0.1159 ppm
Concentration per Run 3	22.2436 ppm	0.5490 ppm	0.1912 ppm	149.2905 ppm	0.0956 ppm	0.1065 ppm	0.1049 ppm
Concentration RSD	0.4 %	0.4 %	1.0 %	0.5 %	0.5 %	0.9 %	8.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0269 ppm	3.9722 ppm	0.1865 ppm	0.8083 ppm	0.1948 ppm	0.0226 ppm	0.1015 ppm
Concentration per Run 1	0.0272 ppm	3.9639 ppm	0.1857 ppm	0.8018 ppm	0.1953 ppm	0.0231 ppm	0.1015 ppm
Concentration per Run 2	0.0260 ppm	3.9645 ppm	0.1854 ppm	0.8134 ppm	0.1938 ppm	0.0224 ppm	0.1013 ppm
Concentration per Run 3	0.0274 ppm	3.9882 ppm	0.1885 ppm	0.8097 ppm	0.1953 ppm	0.0223 ppm	0.1017 ppm
Concentration RSD	2.7 %	0.3 %	0.9 %	0.7 %	0.4 %	1.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0920 ppm	108.9158 %	100.7491 %	104.7270 %	105.9492 %	98.8512 %	102.9570 %
Concentration per Run 1	0.0897 ppm	110.4036 %	101.2790 %	105.9842 %	106.8125 %	99.3087 %	103.3817 %
Concentration per Run 2	0.0930 ppm	108.2900 %	100.6864 %	104.5139 %	105.4910 %	99.2617 %	103.0075 %
Concentration per Run 3	0.0934 ppm	108.0539 %	100.2818 %	103.6829 %	105.5441 %	97.9833 %	102.4820 %
Concentration RSD	2.2 %	1.2 %	0.5 %	1.1 %	0.7 %	0.8 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112844-4D5 WG2112844

Analysis started at: 9/11/2025 8:07:26 AM

Rack 2

Vial 23

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0017 ppm	-0.0317 ppm	0.0355 ppm	0.0636 ppm	0.0074 ppm	-0.0001 ppm	75.0092 ppm
Concentration per Run 1	-0.0006 ppm	-0.0327 ppm	0.0339 ppm	0.0670 ppm	0.0074 ppm	0.0000 ppm	74.8996 ppm
Concentration per Run 2	-0.0026 ppm	-0.0333 ppm	0.0344 ppm	0.0650 ppm	0.0073 ppm	-0.0001 ppm	75.2340 ppm
Concentration per Run 3	-0.0020 ppm	-0.0290 ppm	0.0382 ppm	0.0648 ppm	0.0074 ppm	-0.0001 ppm	74.8941 ppm
Concentration RSD	58.0 %	7.3 %	6.8 %	1.8 %	0.9 %	38.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0007 ppm	0.0003 ppm	0.0005 ppm	0.0016 ppm	0.0018 ppm	7.9478 ppm	0.0207 ppm
Concentration per Run 1	-0.0008 ppm	0.0006 ppm	0.0009 ppm	0.0018 ppm	0.0026 ppm	7.9259 ppm	0.0207 ppm
Concentration per Run 2	-0.0005 ppm	0.0012 ppm	0.0002 ppm	0.0019 ppm	0.0021 ppm	7.9505 ppm	0.0214 ppm
Concentration per Run 3	-0.0009 ppm	-0.0009 ppm	0.0004 ppm	0.0011 ppm	0.0008 ppm	7.9671 ppm	0.0200 ppm
Concentration RSD	26.9 %	357.1 %	64.8 %	26.9 %	50.8 %	0.3 %	3.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.9696 ppm	0.4475 ppm	0.0014 ppm	146.2899 ppm	-0.0010 ppm	0.0026 ppm	0.0055 ppm
Concentration per Run 1	19.9720 ppm	0.4458 ppm	0.0010 ppm	145.9706 ppm	-0.0017 ppm	0.0065 ppm	0.0105 ppm
Concentration per Run 2	19.9484 ppm	0.4488 ppm	0.0004 ppm	146.4853 ppm	-0.0010 ppm	0.0013 ppm	0.0025 ppm
Concentration per Run 3	19.9885 ppm	0.4478 ppm	0.0029 ppm	146.4138 ppm	-0.0002 ppm	0.0026 ppm	0.0035 ppm
Concentration RSD	0.1 %	0.3 %	90.6 %	0.2 %	80.5 %	148.5 %	79.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	3.7287 ppm	-0.0003 ppm	0.6160 ppm	0.0027 ppm	0.0051 ppm	0.0018 ppm
Concentration per Run 1	0.0047 ppm	3.7451 ppm	0.0019 ppm	0.6121 ppm	0.0023 ppm	0.0052 ppm	0.0016 ppm
Concentration per Run 2	0.0028 ppm	3.7067 ppm	-0.0028 ppm	0.6171 ppm	0.0036 ppm	0.0044 ppm	0.0019 ppm
Concentration per Run 3	0.0046 ppm	3.7344 ppm	0.0000 ppm	0.6187 ppm	0.0022 ppm	0.0057 ppm	0.0018 ppm
Concentration RSD	25.4 %	0.5 %	771.4 %	0.6 %	28.6 %	13.0 %	7.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0033 ppm	109.4726 %	99.3074 %	104.1540 %	106.4334 %	97.4464 %	102.5898 %
Concentration per Run 1	-0.0032 ppm	109.2675 %	99.9987 %	103.6399 %	106.2227 %	98.1624 %	101.9775 %
Concentration per Run 2	-0.0029 ppm	109.2373 %	99.3534 %	105.2487 %	106.4681 %	97.6208 %	103.4126 %
Concentration per Run 3	-0.0037 ppm	109.9132 %	98.5701 %	103.5735 %	106.6094 %	96.5560 %	102.3793 %
Concentration RSD	11.0 %	0.3 %	0.7 %	0.9 %	0.2 %	0.8 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112844-5D5 WG2112844

Analysis started at: 9/11/2025 8:10:41 AM

Rack 2

Vial 24

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0457 ppm	1.8901 ppm	0.1454 ppm	1.0032 ppm	1.8663 ppm	0.0478 ppm	81.3604 ppm
Concentration per Run 1	0.0461 ppm	1.9028 ppm	0.1442 ppm	1.0030 ppm	1.8805 ppm	0.0482 ppm	81.8004 ppm
Concentration per Run 2	0.0450 ppm	1.8795 ppm	0.1465 ppm	0.9940 ppm	1.8553 ppm	0.0475 ppm	81.2527 ppm
Concentration per Run 3	0.0460 ppm	1.8880 ppm	0.1455 ppm	1.0125 ppm	1.8631 ppm	0.0478 ppm	81.0282 ppm
Concentration RSD	1.4 %	0.6 %	0.8 %	0.9 %	0.7 %	0.7 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0490 ppm	0.4648 ppm	0.1837 ppm	0.2425 ppm	0.9299 ppm	17.4912 ppm	0.0207 ppm
Concentration per Run 1	0.0489 ppm	0.4650 ppm	0.1831 ppm	0.2412 ppm	0.9356 ppm	17.5714 ppm	0.0206 ppm
Concentration per Run 2	0.0486 ppm	0.4628 ppm	0.1824 ppm	0.2425 ppm	0.9239 ppm	17.4410 ppm	0.0199 ppm
Concentration per Run 3	0.0496 ppm	0.4667 ppm	0.1856 ppm	0.2439 ppm	0.9302 ppm	17.4611 ppm	0.0216 ppm
Concentration RSD	1.0 %	0.4 %	0.9 %	0.6 %	0.6 %	0.4 %	4.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	28.7529 ppm	0.9084 ppm	0.9359 ppm	149.8882 ppm	0.4572 ppm	0.4993 ppm	0.3704 ppm
Concentration per Run 1	28.5564 ppm	0.9142 ppm	0.9318 ppm	150.3401 ppm	0.4567 ppm	0.4982 ppm	0.3527 ppm
Concentration per Run 2	28.8232 ppm	0.9052 ppm	0.9327 ppm	149.8808 ppm	0.4542 ppm	0.4889 ppm	0.3691 ppm
Concentration per Run 3	28.8793 ppm	0.9056 ppm	0.9432 ppm	149.4438 ppm	0.4605 ppm	0.5008 ppm	0.3893 ppm
Concentration RSD	0.6 %	0.6 %	0.7 %	0.3 %	0.7 %	0.3 %	5.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1155 ppm	4.2839 ppm	0.9269 ppm	1.5161 ppm	0.9467 ppm	0.1166 ppm	0.4841 ppm
Concentration per Run 1	0.1179 ppm	4.2516 ppm	0.9273 ppm	1.5289 ppm	0.9385 ppm	0.1143 ppm	0.4831 ppm
Concentration per Run 2	0.1189 ppm	4.2816 ppm	0.9201 ppm	1.5123 ppm	0.9438 ppm	0.1186 ppm	0.4821 ppm
Concentration per Run 3	0.1097 ppm	4.3185 ppm	0.9332 ppm	1.5072 ppm	0.9577 ppm	0.1170 ppm	0.4871 ppm
Concentration RSD	4.4 %	0.8 %	0.7 %	0.7 %	1.0 %	1.8 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4569 ppm	109.0610 %	99.7135 %	104.1846 %	106.0861 %	98.0101 %	102.5679 %
Concentration per Run 1	0.4567 ppm	108.5026 %	99.6299 %	104.4511 %	105.6508 %	98.1726 %	102.6073 %
Concentration per Run 2	0.4549 ppm	109.6215 %	99.6631 %	104.1498 %	106.2796 %	98.0969 %	102.8471 %
Concentration per Run 3	0.4591 ppm	109.0589 %	99.8473 %	103.9529 %	106.3279 %	97.7610 %	102.2492 %
Concentration RSD	0.5 %	0.5 %	0.1 %	0.2 %	0.4 %	0.2 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2112844-6D25 WG2112844

Analysis started at: 9/11/2025 8:13:57 AM

Rack 2

Vial 25

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0021 ppm	-0.0209 ppm	0.0055 ppm	0.0133 ppm	0.0013 ppm	0.0000 ppm	15.1190 ppm
Concentration per Run 1	-0.0026 ppm	-0.0162 ppm	0.0037 ppm	0.0158 ppm	0.0011 ppm	0.0000 ppm	15.1112 ppm
Concentration per Run 2	-0.0025 ppm	-0.0274 ppm	0.0084 ppm	0.0109 ppm	0.0013 ppm	-0.0001 ppm	15.1694 ppm
Concentration per Run 3	-0.0011 ppm	-0.0191 ppm	0.0045 ppm	0.0133 ppm	0.0014 ppm	-0.0001 ppm	15.0763 ppm
Concentration RSD	40.6 %	27.8 %	45.8 %	18.2 %	10.3 %	53.6 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0001 ppm	0.0009 ppm	0.0012 ppm	-0.0003 ppm	1.5657 ppm	0.0048 ppm
Concentration per Run 1	-0.0002 ppm	-0.0017 ppm	0.0003 ppm	0.0013 ppm	-0.0001 ppm	1.5446 ppm	0.0050 ppm
Concentration per Run 2	-0.0004 ppm	0.0005 ppm	0.0016 ppm	0.0010 ppm	0.0020 ppm	1.5904 ppm	0.0053 ppm
Concentration per Run 3	-0.0005 ppm	0.0008 ppm	0.0008 ppm	0.0012 ppm	-0.0029 ppm	1.5622 ppm	0.0042 ppm
Concentration RSD	41.6 %	910.9 %	73.4 %	12.7 %	794.6 %	1.5 %	11.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.9980 ppm	0.0896 ppm	0.0053 ppm	29.5638 ppm	-0.0002 ppm	0.0042 ppm	0.0421 ppm
Concentration per Run 1	3.9967 ppm	0.0891 ppm	0.0067 ppm	29.4782 ppm	-0.0020 ppm	0.0035 ppm	0.0448 ppm
Concentration per Run 2	3.9957 ppm	0.0906 ppm	0.0052 ppm	29.7455 ppm	-0.0005 ppm	0.0054 ppm	0.0434 ppm
Concentration per Run 3	4.0006 ppm	0.0891 ppm	0.0040 ppm	29.4678 ppm	0.0019 ppm	0.0036 ppm	0.0381 ppm
Concentration RSD	0.1 %	1.0 %	25.6 %	0.5 %	977.4 %	26.8 %	8.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	0.7309 ppm	0.0025 ppm	0.1218 ppm	0.0030 ppm	0.0009 ppm	0.0010 ppm
Concentration per Run 1	0.0004 ppm	0.7338 ppm	0.0034 ppm	0.1213 ppm	0.0036 ppm	0.0058 ppm	0.0008 ppm
Concentration per Run 2	0.0014 ppm	0.7315 ppm	0.0013 ppm	0.1232 ppm	0.0023 ppm	0.0004 ppm	0.0008 ppm
Concentration per Run 3	0.0001 ppm	0.7276 ppm	0.0029 ppm	0.1210 ppm	0.0031 ppm	-0.0035 ppm	0.0012 ppm
Concentration RSD	103.9 %	0.4 %	42.0 %	1.0 %	23.0 %	500.7 %	25.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0005 ppm	107.3706 %	99.8519 %	102.9355 %	104.6381 %	98.4033 %	101.7378 %
Concentration per Run 1	-0.0006 ppm	107.1500 %	99.9585 %	104.0054 %	103.7899 %	98.7574 %	102.3666 %
Concentration per Run 2	-0.0002 ppm	106.7305 %	99.5136 %	102.8739 %	104.5183 %	97.8677 %	101.9182 %
Concentration per Run 3	-0.0008 ppm	108.2313 %	100.1135 %	101.9272 %	105.6060 %	98.5848 %	100.9285 %
Concentration RSD	54.5 %	0.7 %	0.3 %	1.0 %	0.9 %	0.5 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCV

Sample:

Analysis started at: 9/11/2025 8:17:12 AM

Rack

Vial 3

Comment <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4841 ppm	0.4739 ppm		0.4881 ppm	0.4955 ppm	0.5109 ppm	0.5017 ppm
Concentration per Run 1	0.4847 ppm	0.4757 ppm		0.4905 ppm	0.5165 ppm	0.5102 ppm	0.5001 ppm
Concentration per Run 2	0.4829 ppm	0.4754 ppm		0.4881 ppm	0.4923 ppm	0.5102 ppm	0.5039 ppm
Concentration per Run 3	0.4846 ppm	0.4706 ppm		0.4857 ppm	0.4948 ppm	0.5059 ppm	0.5011 ppm
Recovery Percentage 1	96.813 %	94.785 %		97.624 %	99.105 %	102.172 %	100.338 %
Concentration RSD	0.2 %	0.6 %		0.5 %	0.7 %	1.0 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5044 ppm	0.5067 ppm	0.4959 ppm	0.4974 ppm	0.5025 ppm	5.1658 ppm	0.5214 ppm
Concentration per Run 1	0.5076 ppm	0.5091 ppm	0.4974 ppm	0.5054 ppm	0.5185 ppm	5.1895 ppm	0.5274 ppm
Concentration per Run 2	0.5046 ppm	0.5063 ppm	0.4959 ppm	0.5073 ppm	0.4961 ppm	5.1465 ppm	0.5196 ppm
Concentration per Run 3	0.5011 ppm	0.5045 ppm	0.4944 ppm	0.4935 ppm	0.5172 ppm	5.1616 ppm	0.5172 ppm
Recovery Percentage 1	100.882 %	101.331 %	99.180 %	99.180 %	99.474 %	103.317 %	104.281 %
Concentration RSD	0.6 %	0.4 %	0.3 %	0.3 %	0.9 %	0.4 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5051 ppm	0.5141 ppm	0.4955 ppm	10.2948 ppm	0.4982 ppm	0.5101 ppm	0.5285 ppm
Concentration per Run 1	0.5038 ppm	0.5173 ppm	0.4986 ppm	10.4322 ppm	0.5002 ppm	0.5068 ppm	0.5277 ppm
Concentration per Run 2	0.5074 ppm	0.5129 ppm	0.4940 ppm	10.2241 ppm	0.4999 ppm	0.5089 ppm	0.5309 ppm
Concentration per Run 3	0.5040 ppm	0.5120 ppm	0.4938 ppm	10.2282 ppm	0.4944 ppm	0.5146 ppm	0.5270 ppm
Recovery Percentage 1	101.020 %	102.813 %	99.094 %	102.948 %	99.631 %	102.023 %	105.709 %
Concentration RSD	0.4 %	0.6 %	0.6 %	1.2 %	0.7 %	0.8 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4913 ppm	5.3238 ppm	0.4880 ppm	0.4996 ppm	0.4979 ppm	0.4882 ppm	0.5074 ppm
Concentration per Run 1	0.4947 ppm	5.3266 ppm	0.4957 ppm	0.5049 ppm	0.4965 ppm	0.4907 ppm	0.5100 ppm
Concentration per Run 2	0.4944 ppm	5.3078 ppm	0.4874 ppm	0.4961 ppm	0.4982 ppm	0.4888 ppm	0.5075 ppm
Concentration per Run 3	0.4848 ppm	5.3371 ppm	0.4810 ppm	0.4977 ppm	0.4992 ppm	0.4852 ppm	0.5048 ppm
Recovery Percentage 1	98.266 %	101.406 %	97.608 %	99.915 %	99.588 %	97.649 %	101.486 %
Concentration RSD	1.1 %	0.3 %	1.5 %	0.9 %	0.3 %	0.6 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5048 ppm	106.7175 %	100.3298 %	101.5089 %	103.6845 %	98.7226 %	100.6684 %
Concentration per Run 1	0.5092 ppm	106.1544 %	99.3175 %	101.0554 %	103.2881 %	97.9092 %	100.3505 %
Concentration per Run 2	0.5065 ppm	106.5528 %	100.2096 %	101.5446 %	103.9865 %	98.2516 %	100.2884 %
Concentration per Run 3	0.4987 ppm	107.4454 %	101.4623 %	101.9265 %	103.7789 %	100.0071 %	101.3664 %
Recovery Percentage 1	100.964 %						
Concentration RSD	1.1 %	0.6 %	1.1 %	0.4 %	0.3 %	1.1 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/11/2025 8:20:27 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0019 ppm	-0.0175 ppm	-0.0050 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 1	-0.0021 ppm	-0.0151 ppm	-0.0047 ppm	0.0016 ppm	-0.0002 ppm	-0.0001 ppm	0.0030 ppm
Concentration per Run 2	-0.0027 ppm	-0.0217 ppm	-0.0049 ppm	-0.0021 ppm	-0.0004 ppm	0.0000 ppm	-0.0010 ppm
Concentration per Run 3	-0.0009 ppm	-0.0158 ppm	-0.0053 ppm	0.0006 ppm	-0.0001 ppm	-0.0001 ppm	0.0032 ppm
Recovery Percentage 1	-27.369 %	-17.369 %	-100.067 %	0.055 %	-2.353 %	-1.220 %	1.715 %
Concentration RSD	48.4 %	20.8 %	5.8 %	11.581 %	66.6 %	82.8 %	136.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0005 ppm	0.0004 ppm	-0.0006 ppm	0.0191 ppm	0.0008 ppm
Concentration per Run 1	0.0003 ppm	0.0019 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0302 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	-0.0006 ppm	0.0011 ppm	-0.0019 ppm	0.0185 ppm	0.0022 ppm
Concentration per Run 3	0.0001 ppm	0.0003 ppm	0.0018 ppm	0.0003 ppm	-0.0002 ppm	0.0085 ppm	0.0007 ppm
Recovery Percentage 1	1.818 %	3.122 %	5.110 %	4.019 %	-1.289 %	0.762 %	16.123 %
Concentration RSD	230.6 %	182.5 %	234.3 %	154.2 %	163.8 %	57.0 %	170.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0131 ppm	0.0003 ppm	0.0018 ppm	-0.0293 ppm	0.0002 ppm	0.0045 ppm	0.0055 ppm
Concentration per Run 1	0.0086 ppm	0.0000 ppm	0.0026 ppm	-0.0348 ppm	0.0023 ppm	0.0032 ppm	0.0032 ppm
Concentration per Run 2	0.0126 ppm	0.0003 ppm	0.0013 ppm	-0.0237 ppm	-0.0011 ppm	0.0026 ppm	0.0029 ppm
Concentration per Run 3	0.0182 ppm	0.0005 ppm	0.0013 ppm	-0.0294 ppm	-0.0006 ppm	0.0077 ppm	0.0105 ppm
Recovery Percentage 1	13.140 %	2.846 %	3.524 %	-1.465 %	0.774 %	44.940 %	11.020 %
Concentration RSD	36.8 %	92.4 %	43.4 %	19.0 %	946.1 %	62.4 %	78.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0038 ppm	-0.0059 ppm	0.0022 ppm	0.0000 ppm	0.0018 ppm	-0.0011 ppm	0.0011 ppm
Concentration per Run 1	0.0036 ppm	-0.0040 ppm	0.0026 ppm	0.0000 ppm	0.0025 ppm	-0.0029 ppm	0.0010 ppm
Concentration per Run 2	0.0062 ppm	-0.0042 ppm	0.0012 ppm	0.0000 ppm	0.0019 ppm	0.0021 ppm	0.0012 ppm
Concentration per Run 3	0.0017 ppm	-0.0095 ppm	0.0027 ppm	0.0000 ppm	0.0009 ppm	-0.0025 ppm	0.0012 ppm
Recovery Percentage 1	38.276 %	-1.181 %	4.331 %	-0.122 %	17.791 %	-5.568 %	11.301 %
Concentration RSD	59.5 %	52.6 %	39.9 %	209.2 %	45.9 %	248.7 %	9.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	104.4928 %	99.5414 %	101.4008 %	102.8941 %	99.6769 %	101.3349 %
Concentration per Run 1	0.0002 ppm	105.0943 %	99.2088 %	101.4915 %	103.2125 %	99.5647 %	100.6928 %
Concentration per Run 2	0.0005 ppm	103.8277 %	99.5652 %	101.4802 %	101.8357 %	99.3165 %	101.2825 %
Concentration per Run 3	0.0005 ppm	104.5564 %	99.8501 %	101.2308 %	103.6341 %	100.1494 %	102.0296 %
Recovery Percentage 1	8.015 %	0.6 %	0.3 %	0.1 %	0.9 %	0.4 %	0.7 %
Concentration RSD	41.8 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555605-01 WG2111288
Analysis started at: 9/11/2025 8:24:32 AM
Rack 2
Vial 14
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0010 ppm	0.1400 ppm	-0.0038 ppm	0.0111 ppm	0.0340 ppm	0.0000 ppm	12.2343 ppm
Concentration per Run 1	-0.0006 ppm	0.1395 ppm	-0.0038 ppm	0.0115 ppm	0.0339 ppm	0.0000 ppm	12.2019 ppm
Concentration per Run 2	-0.0018 ppm	0.1361 ppm	-0.0055 ppm	0.0107 ppm	0.0341 ppm	0.0000 ppm	12.2395 ppm
Concentration per Run 3	-0.0006 ppm	0.1446 ppm	-0.0023 ppm	0.0110 ppm	0.0340 ppm	-0.0001 ppm	12.2615 ppm
Concentration RSD	68.2 %	3.1 %	42.0 %	3.4 %	0.2 %	539.9 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0041 ppm	0.0021 ppm	0.2012 ppm	1.0955 ppm	0.0012 ppm
Concentration per Run 1	-0.0001 ppm	-0.0014 ppm	0.0048 ppm	0.0021 ppm	0.2039 ppm	1.0712 ppm	0.0013 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0040 ppm	0.0026 ppm	0.1978 ppm	1.1014 ppm	0.0007 ppm
Concentration per Run 3	-0.0002 ppm	0.0015 ppm	0.0036 ppm	0.0015 ppm	0.2019 ppm	1.1138 ppm	0.0016 ppm
Concentration RSD	67.8 %	2,237.9 %	15.1 %	26.2 %	1.5 %	2.0 %	37.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5620 ppm	0.0768 ppm	-0.0014 ppm	8.2496 ppm	0.0015 ppm	0.0041 ppm	0.0060 ppm
Concentration per Run 1	5.5951 ppm	0.0770 ppm	-0.0011 ppm	8.2054 ppm	0.0025 ppm	0.0071 ppm	0.0047 ppm
Concentration per Run 2	5.5345 ppm	0.0764 ppm	-0.0024 ppm	8.2489 ppm	0.0033 ppm	0.0018 ppm	-0.0001 ppm
Concentration per Run 3	5.5565 ppm	0.0768 ppm	-0.0007 ppm	8.2964 ppm	-0.0012 ppm	0.0035 ppm	0.0135 ppm
Concentration RSD	0.6 %	0.4 %	63.7 %	0.6 %	154.4 %	65.9 %	114.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0039 ppm	5.6598 ppm	-0.0015 ppm	0.0655 ppm	0.0129 ppm	0.0021 ppm	0.0014 ppm
Concentration per Run 1	0.0034 ppm	5.7073 ppm	-0.0023 ppm	0.0653 ppm	0.0139 ppm	0.0012 ppm	0.0009 ppm
Concentration per Run 2	0.0044 ppm	5.6097 ppm	-0.0007 ppm	0.0655 ppm	0.0122 ppm	0.0039 ppm	0.0018 ppm
Concentration per Run 3	0.0037 ppm	5.6622 ppm	-0.0014 ppm	0.0659 ppm	0.0127 ppm	0.0013 ppm	0.0014 ppm
Concentration RSD	13.6 %	0.9 %	54.0 %	0.5 %	6.7 %	73.1 %	32.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0041 ppm	106.9882 %	102.3326 %	102.0946 %	103.8919 %	100.8045 %	101.8656 %
Concentration per Run 1	0.0047 ppm	107.4260 %	102.6420 %	102.0371 %	104.6269 %	101.3016 %	102.2692 %
Concentration per Run 2	0.0042 ppm	107.2204 %	102.1072 %	103.2977 %	103.7281 %	99.9555 %	101.9957 %
Concentration per Run 3	0.0033 ppm	106.3181 %	102.2486 %	100.9489 %	103.3206 %	101.1564 %	101.3318 %
Concentration RSD	17.5 %	0.6 %	0.3 %	1.2 %	0.6 %	0.7 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555605-03 WG2111288

Analysis started at: 9/11/2025 8:27:47 AM

Rack 2

Vial 15

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0016 ppm	0.1139 ppm	-0.0020 ppm	0.0181 ppm	0.0453 ppm	0.0000 ppm	15.3920 ppm
Concentration per Run 1	-0.0021 ppm	0.1138 ppm	-0.0032 ppm	0.0194 ppm	0.0452 ppm	0.0000 ppm	15.3558 ppm
Concentration per Run 2	-0.0002 ppm	0.1136 ppm	-0.0035 ppm	0.0185 ppm	0.0452 ppm	0.0000 ppm	15.3403 ppm
Concentration per Run 3	-0.0026 ppm	0.1143 ppm	0.0006 ppm	0.0163 ppm	0.0455 ppm	0.0000 ppm	15.4800 ppm
Concentration RSD	75.3 %	0.3 %	112.5 %	8.8 %	0.4 %	420.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0005 ppm	0.0023 ppm	0.0015 ppm	0.4120 ppm	1.2233 ppm	0.0030 ppm
Concentration per Run 1	-0.0004 ppm	0.0006 ppm	0.0019 ppm	0.0016 ppm	0.4129 ppm	1.2566 ppm	0.0026 ppm
Concentration per Run 2	-0.0002 ppm	0.0000 ppm	0.0026 ppm	0.0016 ppm	0.4103 ppm	1.2083 ppm	0.0032 ppm
Concentration per Run 3	-0.0005 ppm	0.0009 ppm	0.0023 ppm	0.0013 ppm	0.4127 ppm	1.2049 ppm	0.0031 ppm
Concentration RSD	32.4 %	91.1 %	15.2 %	11.7 %	0.3 %	2.4 %	10.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.5672 ppm	0.0156 ppm	-0.0008 ppm	17.7272 ppm	0.0009 ppm	0.0053 ppm	0.0002 ppm
Concentration per Run 1	6.5466 ppm	0.0156 ppm	-0.0015 ppm	17.5910 ppm	0.0007 ppm	0.0040 ppm	0.0067 ppm
Concentration per Run 2	6.5830 ppm	0.0157 ppm	-0.0009 ppm	17.7070 ppm	0.0006 ppm	0.0036 ppm	-0.0041 ppm
Concentration per Run 3	6.5719 ppm	0.0155 ppm	0.0001 ppm	17.8835 ppm	0.0013 ppm	0.0081 ppm	-0.0018 ppm
Concentration RSD	0.3 %	0.9 %	104.8 %	0.8 %	42.0 %	47.7 %	2,274.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0058 ppm	8.8292 ppm	0.0001 ppm	0.0868 ppm	0.0059 ppm	0.0012 ppm	0.0021 ppm
Concentration per Run 1	0.0037 ppm	8.8287 ppm	-0.0001 ppm	0.0866 ppm	0.0025 ppm	0.0025 ppm	0.0025 ppm
Concentration per Run 2	0.0081 ppm	8.8614 ppm	0.0000 ppm	0.0866 ppm	0.0059 ppm	0.0062 ppm	0.0017 ppm
Concentration per Run 3	0.0057 ppm	8.7974 ppm	0.0003 ppm	0.0873 ppm	0.0060 ppm	-0.0051 ppm	0.0019 ppm
Concentration RSD	37.9 %	0.4 %	313.4 %	0.4 %	0.7 %	469.7 %	21.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0019 ppm	108.7880 %	101.1742 %	103.4679 %	105.7923 %	100.1683 %	103.3612 %
Concentration per Run 1	0.0018 ppm	109.0516 %	102.1239 %	102.9036 %	105.8839 %	100.8681 %	103.0903 %
Concentration per Run 2	0.0018 ppm	108.5292 %	100.9012 %	103.9971 %	106.1835 %	99.8894 %	103.6480 %
Concentration per Run 3	0.0021 ppm	108.7831 %	100.4973 %	103.5029 %	105.3097 %	99.7473 %	103.3454 %
Concentration RSD	10.6 %	0.2 %	0.8 %	0.5 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555605-04 WG2111288

Analysis started at: 9/11/2025 8:31:02 AM

Rack 2

Vial 16

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0022 ppm	-0.0159 ppm	-0.0024 ppm	0.0159 ppm	0.0230 ppm	0.0000 ppm	34.3136 ppm
Concentration per Run 1	-0.0029 ppm	-0.0213 ppm	-0.0021 ppm	0.0161 ppm	0.0229 ppm	0.0000 ppm	34.1892 ppm
Concentration per Run 2	-0.0019 ppm	-0.0120 ppm	-0.0031 ppm	0.0172 ppm	0.0232 ppm	-0.0001 ppm	34.4146 ppm
Concentration per Run 3	-0.0018 ppm	-0.0144 ppm	-0.0019 ppm	0.0145 ppm	0.0229 ppm	0.0000 ppm	34.3369 ppm
Concentration RSD	27.5 %	30.1 %	28.6 %	8.3 %	0.9 %	80.4 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0004 ppm	0.0009 ppm	0.0015 ppm	0.0070 ppm	1.2295 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0017 ppm	0.0010 ppm	0.0022 ppm	0.0070 ppm	1.2170 ppm	-0.0005 ppm
Concentration per Run 2	-0.0003 ppm	-0.0007 ppm	0.0013 ppm	0.0011 ppm	0.0068 ppm	1.2432 ppm	-0.0002 ppm
Concentration per Run 3	-0.0007 ppm	0.0002 ppm	0.0005 ppm	0.0012 ppm	0.0072 ppm	1.2282 ppm	0.0021 ppm
Concentration RSD	80.3 %	283.3 %	45.0 %	39.1 %	2.7 %	1.1 %	298.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.9239 ppm	0.0007 ppm	-0.0007 ppm	2.2111 ppm	-0.0005 ppm	0.0023 ppm	0.0020 ppm
Concentration per Run 1	6.9248 ppm	0.0004 ppm	-0.0004 ppm	2.1956 ppm	-0.0009 ppm	0.0011 ppm	0.0018 ppm
Concentration per Run 2	6.9527 ppm	0.0009 ppm	-0.0001 ppm	2.2204 ppm	0.0002 ppm	0.0005 ppm	0.0014 ppm
Concentration per Run 3	6.8941 ppm	0.0007 ppm	-0.0017 ppm	2.2172 ppm	-0.0007 ppm	0.0053 ppm	0.0027 ppm
Concentration RSD	0.4 %	33.6 %	112.7 %	0.6 %	120.4 %	115.5 %	34.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0068 ppm	2.8854 ppm	0.0004 ppm	0.1424 ppm	0.0032 ppm	0.0023 ppm	0.0014 ppm
Concentration per Run 1	0.0047 ppm	2.8760 ppm	0.0003 ppm	0.1421 ppm	0.0039 ppm	0.0049 ppm	0.0011 ppm
Concentration per Run 2	0.0096 ppm	2.9177 ppm	-0.0005 ppm	0.1437 ppm	0.0024 ppm	0.0004 ppm	0.0022 ppm
Concentration per Run 3	0.0061 ppm	2.8625 ppm	-0.0011 ppm	0.1413 ppm	0.0034 ppm	0.0017 ppm	0.0008 ppm
Concentration RSD	37.5 %	1.0 %	160.7 %	0.8 %	22.9 %	99.2 %	54.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0014 ppm	106.7901 %	102.4095 %	102.2391 %	104.4678 %	101.5388 %	101.9313 %
Concentration per Run 1	0.0013 ppm	106.4412 %	102.6983 %	102.4897 %	103.9543 %	101.7475 %	102.0545 %
Concentration per Run 2	0.0019 ppm	106.3811 %	102.0183 %	102.2877 %	104.2800 %	101.7118 %	102.5608 %
Concentration per Run 3	0.0010 ppm	107.5478 %	102.5121 %	101.9398 %	105.1691 %	101.1571 %	101.1785 %
Concentration RSD	34.6 %	0.6 %	0.3 %	0.3 %	0.6 %	0.3 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555605-05 WG2111288
Analysis started at: 9/11/2025 8:34:17 AM
Rack 2
Vial 17
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0012 ppm	0.0124 ppm	-0.0031 ppm	0.0125 ppm	0.0361 ppm	0.0000 ppm	13.5898 ppm
Concentration per Run 1	-0.0015 ppm	0.0159 ppm	-0.0037 ppm	0.0139 ppm	0.0352 ppm	0.0000 ppm	13.3970 ppm
Concentration per Run 2	-0.0005 ppm	0.0077 ppm	-0.0031 ppm	0.0128 ppm	0.0366 ppm	0.0000 ppm	13.6452 ppm
Concentration per Run 3	-0.0016 ppm	0.0135 ppm	-0.0024 ppm	0.0109 ppm	0.0365 ppm	0.0000 ppm	13.7273 ppm
Concentration RSD	51.9 %	34.1 %	22.1 %	12.0 %	2.1 %	72.9 %	1.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0008 ppm	0.0040 ppm	0.0013 ppm	0.0438 ppm	1.0467 ppm	0.0027 ppm
Concentration per Run 1	-0.0001 ppm	0.0010 ppm	0.0047 ppm	0.0017 ppm	0.0441 ppm	1.0488 ppm	0.0025 ppm
Concentration per Run 2	-0.0004 ppm	-0.0003 ppm	0.0043 ppm	0.0009 ppm	0.0434 ppm	1.0660 ppm	0.0021 ppm
Concentration per Run 3	0.0000 ppm	0.0018 ppm	0.0031 ppm	0.0012 ppm	0.0440 ppm	1.0252 ppm	0.0036 ppm
Concentration RSD	118.7 %	121.4 %	20.2 %	31.0 %	0.9 %	2.0 %	27.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.1815 ppm	0.0011 ppm	-0.0018 ppm	13.6863 ppm	0.0021 ppm	0.0029 ppm	0.0085 ppm
Concentration per Run 1	5.1749 ppm	0.0008 ppm	-0.0016 ppm	13.4890 ppm	0.0029 ppm	0.0021 ppm	0.0074 ppm
Concentration per Run 2	5.1669 ppm	0.0013 ppm	-0.0022 ppm	13.7325 ppm	-0.0002 ppm	0.0010 ppm	0.0045 ppm
Concentration per Run 3	5.2029 ppm	0.0011 ppm	-0.0016 ppm	13.8374 ppm	0.0037 ppm	0.0057 ppm	0.0137 ppm
Concentration RSD	0.4 %	21.0 %	18.7 %	1.3 %	96.7 %	83.8 %	55.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0039 ppm	9.0081 ppm	-0.0005 ppm	0.0792 ppm	0.0035 ppm	0.0011 ppm	0.0014 ppm
Concentration per Run 1	-0.0012 ppm	8.9877 ppm	-0.0003 ppm	0.0776 ppm	0.0033 ppm	-0.0002 ppm	0.0013 ppm
Concentration per Run 2	0.0091 ppm	8.9580 ppm	0.0012 ppm	0.0799 ppm	0.0039 ppm	0.0026 ppm	0.0018 ppm
Concentration per Run 3	0.0038 ppm	9.0785 ppm	-0.0022 ppm	0.0801 ppm	0.0033 ppm	0.0009 ppm	0.0013 ppm
Concentration RSD	130.7 %	0.7 %	364.3 %	1.7 %	10.1 %	129.4 %	18.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0099 ppm	110.5485 %	102.7425 %	103.5513 %	108.1647 %	101.6151 %	103.4157 %
Concentration per Run 1	0.0099 ppm	111.6098 %	103.8857 %	103.2649 %	108.6113 %	102.4484 %	103.4704 %
Concentration per Run 2	0.0095 ppm	111.6691 %	102.7117 %	103.1556 %	108.8229 %	101.5817 %	102.9741 %
Concentration per Run 3	0.0104 ppm	108.3666 %	101.6300 %	104.2334 %	107.0598 %	100.8153 %	103.8026 %
Concentration RSD	4.9 %	1.7 %	1.1 %	0.6 %	0.9 %	0.8 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555605-06 WG2111288

Analysis started at: 9/11/2025 8:37:32 AM

Rack 2

Vial 18

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0015 ppm	0.0707 ppm	-0.0037 ppm	0.0178 ppm	0.0414 ppm	0.0000 ppm	7.7127 ppm
Concentration per Run 1	-0.0015 ppm	0.0757 ppm	-0.0042 ppm	0.0182 ppm	0.0414 ppm	0.0000 ppm	7.7404 ppm
Concentration per Run 2	-0.0016 ppm	0.0675 ppm	-0.0036 ppm	0.0170 ppm	0.0414 ppm	-0.0001 ppm	7.7019 ppm
Concentration per Run 3	-0.0014 ppm	0.0690 ppm	-0.0031 ppm	0.0181 ppm	0.0414 ppm	-0.0001 ppm	7.6956 ppm
Concentration RSD	8.8 %	6.2 %	15.4 %	3.8 %	0.1 %	11.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0002 ppm	0.0056 ppm	0.0033 ppm	0.1706 ppm	0.9702 ppm	-0.0002 ppm
Concentration per Run 1	-0.0005 ppm	-0.0002 ppm	0.0059 ppm	0.0031 ppm	0.1712 ppm	0.9531 ppm	0.0000 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0058 ppm	0.0024 ppm	0.1707 ppm	0.9862 ppm	-0.0003 ppm
Concentration per Run 3	0.0001 ppm	-0.0008 ppm	0.0051 ppm	0.0044 ppm	0.1699 ppm	0.9714 ppm	-0.0003 ppm
Concentration RSD	168.0 %	254.2 %	7.8 %	29.8 %	0.4 %	1.7 %	84.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.8127 ppm	0.0303 ppm	-0.0009 ppm	32.7291 ppm	0.0021 ppm	0.0031 ppm	0.0043 ppm
Concentration per Run 1	2.8038 ppm	0.0303 ppm	-0.0016 ppm	32.7466 ppm	0.0022 ppm	0.0050 ppm	-0.0030 ppm
Concentration per Run 2	2.8243 ppm	0.0303 ppm	-0.0002 ppm	32.8181 ppm	0.0020 ppm	0.0013 ppm	0.0119 ppm
Concentration per Run 3	2.8101 ppm	0.0304 ppm	-0.0008 ppm	32.6226 ppm	0.0021 ppm	0.0030 ppm	0.0039 ppm
Concentration RSD	0.4 %	0.2 %	84.9 %	0.3 %	4.9 %	60.7 %	175.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0036 ppm	5.1668 ppm	-0.0014 ppm	0.0409 ppm	0.0059 ppm	0.0008 ppm	0.0007 ppm
Concentration per Run 1	-0.0009 ppm	5.1514 ppm	-0.0018 ppm	0.0410 ppm	0.0052 ppm	-0.0016 ppm	0.0002 ppm
Concentration per Run 2	0.0079 ppm	5.1829 ppm	-0.0022 ppm	0.0408 ppm	0.0062 ppm	0.0015 ppm	0.0014 ppm
Concentration per Run 3	0.0039 ppm	5.1660 ppm	-0.0003 ppm	0.0407 ppm	0.0061 ppm	0.0025 ppm	0.0007 ppm
Concentration RSD	122.8 %	0.3 %	67.0 %	0.4 %	9.2 %	268.8 %	80.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0036 ppm	108.1001 %	100.5286 %	103.7827 %	105.1961 %	99.2602 %	102.9562 %
Concentration per Run 1	0.0041 ppm	108.5259 %	99.8282 %	104.3306 %	105.3924 %	98.6040 %	103.7520 %
Concentration per Run 2	0.0033 ppm	107.7695 %	101.0475 %	103.5152 %	104.5698 %	99.6555 %	102.1704 %
Concentration per Run 3	0.0035 ppm	108.0050 %	100.7101 %	103.5022 %	105.6262 %	99.5211 %	102.9460 %
Concentration RSD	11.6 %	0.4 %	0.6 %	0.5 %	0.5 %	0.6 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555605-07 WG2111288

Analysis started at: 9/11/2025 8:40:47 AM

Rack 2

Vial 19

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0013 ppm	0.0085 ppm	-0.0038 ppm	0.0226 ppm	0.0278 ppm	-0.0001 ppm	11.1562 ppm
Concentration per Run 1	-0.0012 ppm	0.0035 ppm	-0.0040 ppm	0.0219 ppm	0.0267 ppm	-0.0001 ppm	10.7844 ppm
Concentration per Run 2	-0.0006 ppm	0.0067 ppm	-0.0014 ppm	0.0220 ppm	0.0292 ppm	0.0000 ppm	11.7544 ppm
Concentration per Run 3	-0.0022 ppm	0.0154 ppm	-0.0060 ppm	0.0237 ppm	0.0274 ppm	-0.0001 ppm	10.9297 ppm
Concentration RSD	61.5 %	72.5 %	61.7 %	4.5 %	4.6 %	83.7 %	4.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0025 ppm	0.0017 ppm	0.0331 ppm	1.3397 ppm	0.0006 ppm
Concentration per Run 1	-0.0002 ppm	-0.0007 ppm	0.0027 ppm	0.0014 ppm	0.0328 ppm	1.2873 ppm	-0.0003 ppm
Concentration per Run 2	-0.0003 ppm	0.0012 ppm	0.0034 ppm	0.0026 ppm	0.0346 ppm	1.4052 ppm	0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0012 ppm	0.0320 ppm	1.3265 ppm	0.0010 ppm
Concentration RSD	43.7 %	502.2 %	39.9 %	42.7 %	4.1 %	4.5 %	134.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.5601 ppm	0.0179 ppm	-0.0006 ppm	46.2626 ppm	-0.0005 ppm	0.0049 ppm	0.0130 ppm
Concentration per Run 1	3.5842 ppm	0.0175 ppm	-0.0006 ppm	44.5506 ppm	0.0001 ppm	0.0045 ppm	0.0139 ppm
Concentration per Run 2	3.5459 ppm	0.0187 ppm	0.0003 ppm	49.0071 ppm	-0.0001 ppm	0.0043 ppm	0.0133 ppm
Concentration per Run 3	3.5501 ppm	0.0174 ppm	-0.0016 ppm	45.2300 ppm	-0.0014 ppm	0.0059 ppm	0.0117 ppm
Concentration RSD	0.6 %	4.0 %	152.5 %	5.2 %	165.2 %	17.6 %	8.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	3.5588 ppm	-0.0010 ppm	0.0593 ppm	0.0031 ppm	-0.0017 ppm	0.0011 ppm
Concentration per Run 1	0.0018 ppm	3.5482 ppm	0.0007 ppm	0.0572 ppm	0.0035 ppm	-0.0070 ppm	0.0013 ppm
Concentration per Run 2	-0.0004 ppm	3.5680 ppm	-0.0017 ppm	0.0624 ppm	0.0023 ppm	0.0031 ppm	0.0005 ppm
Concentration per Run 3	0.0013 ppm	3.5602 ppm	-0.0020 ppm	0.0583 ppm	0.0034 ppm	-0.0014 ppm	0.0013 ppm
Concentration RSD	133.9 %	0.3 %	144.8 %	4.6 %	20.8 %	289.4 %	43.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0002 ppm	107.6683 %	98.8776 %	103.3457 %	105.0660 %	97.3585 %	102.5221 %
Concentration per Run 1	0.0000 ppm	107.9337 %	101.7943 %	102.4359 %	105.2301 %	100.2809 %	101.9372 %
Concentration per Run 2	0.0000 ppm	107.2285 %	94.5878 %	104.2372 %	104.9229 %	92.3672 %	103.2211 %
Concentration per Run 3	-0.0006 ppm	107.8427 %	100.2505 %	103.3640 %	105.0449 %	99.4274 %	102.4079 %
Concentration RSD	181.0 %	0.4 %	3.8 %	0.9 %	0.1 %	4.5 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555605-08 WG2111288

Analysis started at: 9/11/2025 8:44:03 AM

Rack 2

Vial 20

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0011 ppm	-0.0148 ppm	-0.0046 ppm	0.0066 ppm	0.0153 ppm	-0.0001 ppm	12.1801 ppm
Concentration per Run 1	-0.0020 ppm	-0.0127 ppm	-0.0063 ppm	0.0073 ppm	0.0157 ppm	-0.0001 ppm	12.5540 ppm
Concentration per Run 2	-0.0013 ppm	-0.0128 ppm	-0.0019 ppm	0.0065 ppm	0.0152 ppm	0.0000 ppm	12.0017 ppm
Concentration per Run 3	0.0002 ppm	-0.0189 ppm	-0.0056 ppm	0.0059 ppm	0.0150 ppm	-0.0001 ppm	11.9847 ppm
Concentration RSD	106.7 %	24.3 %	52.3 %	11.0 %	2.4 %	54.9 %	2.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0001 ppm	0.0040 ppm	0.0006 ppm	0.0151 ppm	0.9344 ppm	0.0041 ppm
Concentration per Run 1	-0.0005 ppm	0.0001 ppm	0.0025 ppm	0.0007 ppm	0.0163 ppm	0.9545 ppm	0.0048 ppm
Concentration per Run 2	-0.0004 ppm	-0.0007 ppm	0.0043 ppm	0.0005 ppm	0.0155 ppm	0.9220 ppm	0.0037 ppm
Concentration per Run 3	0.0001 ppm	0.0004 ppm	0.0052 ppm	0.0004 ppm	0.0136 ppm	0.9268 ppm	0.0038 ppm
Concentration RSD	107.1 %	1,024.1 %	35.0 %	24.3 %	9.0 %	1.9 %	14.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.4663 ppm	0.0019 ppm	0.0002 ppm	8.6196 ppm	-0.0002 ppm	0.0007 ppm	0.0039 ppm
Concentration per Run 1	5.4973 ppm	0.0020 ppm	-0.0002 ppm	8.8631 ppm	-0.0027 ppm	0.0012 ppm	0.0121 ppm
Concentration per Run 2	5.4296 ppm	0.0019 ppm	0.0001 ppm	8.4944 ppm	0.0016 ppm	0.0020 ppm	-0.0011 ppm
Concentration per Run 3	5.4719 ppm	0.0018 ppm	0.0006 ppm	8.5015 ppm	0.0003 ppm	-0.0011 ppm	0.0007 ppm
Concentration RSD	0.6 %	4.6 %	211.0 %	2.4 %	924.2 %	229.7 %	182.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	9.0375 ppm	-0.0015 ppm	0.0505 ppm	0.0029 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run 1	0.0029 ppm	9.0471 ppm	-0.0002 ppm	0.0517 ppm	0.0032 ppm	0.0021 ppm	0.0010 ppm
Concentration per Run 2	0.0041 ppm	9.0178 ppm	-0.0008 ppm	0.0497 ppm	0.0027 ppm	0.0018 ppm	0.0014 ppm
Concentration per Run 3	0.0004 ppm	9.0478 ppm	-0.0035 ppm	0.0500 ppm	0.0028 ppm	-0.0031 ppm	0.0009 ppm
Concentration RSD	77.3 %	0.2 %	120.4 %	2.2 %	9.6 %	1,005.0 %	24.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0020 ppm	108.5516 %	101.1471 %	102.0787 %	105.4123 %	99.7635 %	102.0316 %
Concentration per Run 1	0.0021 ppm	107.8489 %	98.5683 %	102.0960 %	104.4022 %	96.6465 %	101.7972 %
Concentration per Run 2	0.0023 ppm	109.2519 %	101.9019 %	102.1831 %	106.2437 %	101.2992 %	102.3854 %
Concentration per Run 3	0.0018 ppm	108.5538 %	102.9711 %	101.9571 %	105.5911 %	101.3450 %	101.9121 %
Concentration RSD	12.4 %	0.6 %	2.3 %	0.1 %	0.9 %	2.7 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xWG2112844-6D25 WG2112844

Analysis started at: 9/11/2025 8:47:18 AM

Rack 2

Vial 26

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	-0.0205 ppm	0.0053 ppm	0.0123 ppm	0.0012 ppm	-0.0001 ppm	14.9285 ppm
Concentration per Run 1	-0.0002 ppm	-0.0227 ppm	0.0035 ppm	0.0108 ppm	0.0012 ppm	-0.0001 ppm	14.9607 ppm
Concentration per Run 2	-0.0009 ppm	-0.0139 ppm	0.0048 ppm	0.0124 ppm	0.0013 ppm	-0.0001 ppm	14.9124 ppm
Concentration per Run 3	-0.0010 ppm	-0.0250 ppm	0.0074 ppm	0.0138 ppm	0.0011 ppm	-0.0001 ppm	14.9123 ppm
Concentration RSD	58.5 %	28.6 %	37.9 %	12.1 %	8.4 %	21.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0007 ppm	0.0006 ppm	0.0017 ppm	0.0005 ppm	1.5572 ppm	0.0047 ppm
Concentration per Run 1	-0.0004 ppm	0.0012 ppm	0.0005 ppm	0.0014 ppm	0.0017 ppm	1.5867 ppm	0.0047 ppm
Concentration per Run 2	-0.0004 ppm	-0.0009 ppm	0.0010 ppm	0.0016 ppm	-0.0008 ppm	1.5530 ppm	0.0049 ppm
Concentration per Run 3	0.0001 ppm	0.0017 ppm	0.0003 ppm	0.0021 ppm	0.0006 ppm	1.5320 ppm	0.0045 ppm
Concentration RSD	134.3 %	203.0 %	60.7 %	19.8 %	243.5 %	1.8 %	3.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.9757 ppm	0.0881 ppm	-0.0005 ppm	29.3252 ppm	-0.0002 ppm	0.0042 ppm	0.0045 ppm
Concentration per Run 1	3.9679 ppm	0.0886 ppm	-0.0006 ppm	29.2689 ppm	0.0007 ppm	0.0051 ppm	0.0055 ppm
Concentration per Run 2	3.9655 ppm	0.0876 ppm	0.0001 ppm	29.2987 ppm	-0.0012 ppm	0.0040 ppm	0.0066 ppm
Concentration per Run 3	3.9935 ppm	0.0881 ppm	-0.0009 ppm	29.4082 ppm	-0.0001 ppm	0.0034 ppm	0.0014 ppm
Concentration RSD	0.4 %	0.6 %	103.6 %	0.3 %	455.3 %	21.4 %	60.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	0.7263 ppm	-0.0001 ppm	0.1203 ppm	0.0025 ppm	0.0017 ppm	0.0007 ppm
Concentration per Run 1	-0.0019 ppm	0.7241 ppm	0.0035 ppm	0.1206 ppm	0.0025 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 2	0.0035 ppm	0.7233 ppm	-0.0013 ppm	0.1200 ppm	0.0024 ppm	0.0030 ppm	0.0012 ppm
Concentration per Run 3	-0.0011 ppm	0.7315 ppm	-0.0025 ppm	0.1203 ppm	0.0026 ppm	0.0022 ppm	0.0004 ppm
Concentration RSD	1.555.2 %	0.6 %	2.737.7 %	0.3 %	4.3 %	87.8 %	64.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0005 ppm	108.5296 %	101.3615 %	103.5570 %	105.5738 %	99.6158 %	102.8703 %
Concentration per Run 1	-0.0006 ppm	108.6267 %	100.7848 %	103.3753 %	105.0999 %	99.3007 %	102.8879 %
Concentration per Run 2	-0.0005 ppm	109.1002 %	102.0046 %	103.5511 %	106.3231 %	99.9919 %	102.9194 %
Concentration per Run 3	-0.0005 ppm	107.8617 %	101.2953 %	103.7446 %	105.2984 %	99.5546 %	102.8036 %
Concentration RSD	12.9 %	0.6 %	0.6 %	0.2 %	0.6 %	0.4 %	0.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCV

Sample: 9/11/2025 8:50:33 AM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4800 ppm	0.4626 ppm	0.4770 ppm	0.4847 ppm	0.4878 ppm	0.5048 ppm	0.5011 ppm
Concentration per Run 1	0.4777 ppm	0.4593 ppm	0.4758 ppm	0.4825 ppm	0.4861 ppm	0.5044 ppm	0.4962 ppm
Concentration per Run 2	0.4834 ppm	0.4656 ppm	0.4797 ppm	0.4841 ppm	0.4893 ppm	0.5048 ppm	0.5082 ppm
Concentration per Run 3	0.4789 ppm	0.4630 ppm	0.4755 ppm	0.4874 ppm	0.4881 ppm	0.5053 ppm	0.4989 ppm
Recovery Percentage 1	96.00 %	92.52 %	95.39 %	96.93 %	97.56 %	100.96 %	100.22 %
Concentration RSD	0.6 %	0.7 %	0.5 %	0.5 %	0.3 %	0.1 %	1.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5025 ppm	0.5036 ppm	0.5002 ppm	0.4939 ppm	0.4913 ppm	5.0949 ppm	0.5145 ppm
Concentration per Run 1	0.5030 ppm	0.5018 ppm	0.4999 ppm	0.4925 ppm	0.4915 ppm	5.0742 ppm	0.5183 ppm
Concentration per Run 2	0.5027 ppm	0.5035 ppm	0.5010 ppm	0.4967 ppm	0.4903 ppm	5.0977 ppm	0.5116 ppm
Concentration per Run 3	0.5018 ppm	0.5053 ppm	0.4996 ppm	0.4925 ppm	0.4921 ppm	5.1128 ppm	0.5135 ppm
Recovery Percentage 1	100.50 %	100.71 %	100.03 %	98.77 %	98.26 %	101.89 %	102.89 %
Concentration RSD	0.1 %	0.3 %	0.1 %	0.5 %	0.2 %	0.4 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4999 ppm	0.5088 ppm	0.4913 ppm	10.1915 ppm	0.4957 ppm	0.5000 ppm	0.5162 ppm
Concentration per Run 1	0.4991 ppm	0.5117 ppm	0.4905 ppm	10.1954 ppm	0.4952 ppm	0.5021 ppm	0.5163 ppm
Concentration per Run 2	0.5073 ppm	0.5064 ppm	0.4909 ppm	10.2335 ppm	0.4958 ppm	0.5015 ppm	0.5170 ppm
Concentration per Run 3	0.4935 ppm	0.5082 ppm	0.4924 ppm	10.1456 ppm	0.4963 ppm	0.4964 ppm	0.5154 ppm
Recovery Percentage 1	99.98 %	101.75 %	98.25 %	101.91 %	99.14 %	100.00 %	103.24 %
Concentration RSD	1.4 %	0.5 %	0.2 %	0.4 %	0.1 %	0.6 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4901 ppm	5.2555 ppm	0.4860 ppm	0.4928 ppm	0.4943 ppm	0.4876 ppm	0.5045 ppm
Concentration per Run 1	0.4893 ppm	5.2270 ppm	0.4797 ppm	0.4897 ppm	0.4921 ppm	0.4853 ppm	0.5033 ppm
Concentration per Run 2	0.4903 ppm	5.2813 ppm	0.4897 ppm	0.4937 ppm	0.4980 ppm	0.4845 ppm	0.5068 ppm
Concentration per Run 3	0.4908 ppm	5.2581 ppm	0.4887 ppm	0.4950 ppm	0.4929 ppm	0.4931 ppm	0.5034 ppm
Recovery Percentage 1	98.02 %	100.10 %	97.20 %	98.55 %	98.86 %	97.52 %	100.89 %
Concentration RSD	0.2 %	0.5 %	1.1 %	0.6 %	0.6 %	1.0 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5006 ppm	107.1275 %	101.2246 %	102.6583 %	104.3254 %	99.8681 %	101.3799 %
Concentration per Run 1	0.4995 ppm	106.8839 %	99.7643 %	102.3039 %	104.0576 %	98.4683 %	101.3147 %
Concentration per Run 2	0.5022 ppm	106.5604 %	101.8214 %	102.6273 %	103.7203 %	100.2201 %	101.3516 %
Concentration per Run 3	0.5003 ppm	107.9382 %	102.0882 %	103.0436 %	105.2103 %	100.9159 %	101.4735 %
Recovery Percentage 1	100.12 %	0.7 %	1.3 %	0.4 %	0.7 %	1.3 %	0.1 %
Concentration RSD	0.3 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/11/2025 8:53:48 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-eUV	As 189.042 Axial-eUV	B 208.959 Axial-eUV	Ba 455.403 Radial-eUV	Be 313.042 Radial-eUV	Ca 315.887 Radial-eUV
Concentration average	-0.0017 ppm	-0.0208 ppm	-0.0024 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run 1	-0.0035 ppm	-0.0202 ppm	-0.0020 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0207 ppm	-0.0027 ppm	-0.0005 ppm	-0.0003 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 3	-0.0016 ppm	-0.0215 ppm	-0.0025 ppm	0.0009 ppm	-0.0003 ppm	-0.0001 ppm	0.0014 ppm
Recovery Percentage 1	-24.011 %	-20.801 %	-48.234 %	0.680 %	-2.811 %	-0.524 %	0.652 %
Concentration RSD	103.4 %	3.1 %	14.5 %	346.6 %	19.3 %	212.4 %	131.1 %

	Cd 214.438 Axial-eUV	Co 228.616 Axial-eUV	Cr 267.716 Axial-eUV	Cu 324.754 Axial-eUV	Fe 259.940 Radial-eUV	K 766.490 Radial-eUV	Li 670.776 Radial-eUV
Concentration average	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0002 ppm	-0.0008 ppm	-0.0090 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0006 ppm	0.0008 ppm	0.0000 ppm	-0.0008 ppm	-0.0025 ppm	0.0013 ppm
Concentration per Run 2	0.0002 ppm	-0.0008 ppm	-0.0006 ppm	0.0010 ppm	-0.0019 ppm	-0.0152 ppm	-0.0010 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0003 ppm	0.0003 ppm	-0.0092 ppm	-0.0004 ppm
Recovery Percentage 1	0.894 %	-2.660 %	1.318 %	2.224 %	-1.590 %	-0.359 %	-0.693 %
Concentration RSD	216.6 %	53.3 %	532.8 %	304.7 %	141.1 %	71.2 %	3,519.7 %

	Mg 279.079 Axial-eUV	Mn 257.610 Radial-eUV	Mo 202.030 Axial-eUV	Na 589.592 Radial-eUV	Ni 231.604 Axial-eUV	Pb 220.353 Axial-eUV	Sb 206.833 Axial-eUV
Concentration average	0.0148 ppm	0.0001 ppm	0.0024 ppm	-0.0364 ppm	0.0008 ppm	0.0028 ppm	-0.0004 ppm
Concentration per Run 1	0.0135 ppm	0.0002 ppm	0.0029 ppm	-0.0381 ppm	0.0027 ppm	0.0024 ppm	-0.0047 ppm
Concentration per Run 2	0.0163 ppm	0.0000 ppm	0.0005 ppm	-0.0347 ppm	-0.0003 ppm	0.0017 ppm	0.0023 ppm
Concentration per Run 3	0.0146 ppm	0.0001 ppm	0.0036 ppm	-0.0364 ppm	0.0001 ppm	0.0044 ppm	0.0012 ppm
Recovery Percentage 1	14.810 %	1.314 %	4.742 %	-1.821 %	3.246 %	28.453 %	-0.828 %
Concentration RSD	9.8 %	75.4 %	68.1 %	4.7 %	199.0 %	48.6 %	907.1 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-eUV	Sn 189.989 Axial-eUV	Sr 421.552 Radial-eUV	Ti 334.904 Axial-eUV	Tl 190.856 Axial-eUV	V 292.402 Axial-eUV
Concentration average	0.0035 ppm	-0.0076 ppm	-0.0001 ppm	0.0000 ppm	0.0034 ppm	0.0017 ppm	0.0016 ppm
Concentration per Run 1	0.0038 ppm	-0.0073 ppm	-0.0002 ppm	0.0000 ppm	0.0026 ppm	0.0054 ppm	0.0020 ppm
Concentration per Run 2	0.0060 ppm	-0.0077 ppm	0.0021 ppm	0.0001 ppm	0.0033 ppm	-0.0033 ppm	0.0014 ppm
Concentration per Run 3	0.0008 ppm	-0.0077 ppm	-0.0001 ppm	-0.0001 ppm	0.0041 ppm	0.0031 ppm	0.0014 ppm
Recovery Percentage 1	35.197 %	-1.514 %	-0.116 %	-0.016 %	33.516 %	8.587 %	15.830 %
Concentration RSD	74.2 %	3.2 %	3,659.5 %	4,300.9 %	21.9 %	263.7 %	21.9 %

	Zn 206.200 Axial-eUV	Sc 361.384 Axial-eUV	Sc 361.384 Radial-eUV	Sc 227.318 Axial-eUV	Y 360.073 Axial-eUV	Y 371.030 Radial-eUV	Y 224.306 Axial-eUV
Concentration average	0.0004 ppm	105.8843 %	100.2296 %	102.3519 %	104.1423 %	100.4396 %	102.4913 %
Concentration per Run 1	0.0001 ppm	104.7366 %	99.6933 %	102.8363 %	103.0659 %	100.6394 %	102.4827 %
Concentration per Run 2	0.0003 ppm	106.7174 %	99.8830 %	102.9021 %	104.4516 %	99.8307 %	103.4569 %
Concentration per Run 3	0.0009 ppm	106.1988 %	101.1124 %	101.3173 %	104.9093 %	100.8487 %	101.5342 %
Recovery Percentage 1	8.755 %	1.0 %	0.8 %	0.9 %	0.9 %	0.5 %	0.9 %
Concentration RSD	93.7 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112651-1 WG2112651

Analysis started at: 9/11/2025 9:11:36 AM

Rack 2

Vial 27

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0016 ppm	-0.0211 ppm		0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0181 ppm
Concentration per Run 1	-0.0011 ppm	-0.0272 ppm		-0.0036 ppm	-0.0003 ppm	0.0000 ppm	0.0183 ppm
Concentration per Run 2	-0.0018 ppm	-0.0156 ppm		-0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0172 ppm
Concentration per Run 3	-0.0019 ppm	-0.0204 ppm		0.0015 ppm	-0.0001 ppm	0.0000 ppm	0.0190 ppm
Recovery Percentage 1	-22.887 %	-21.082 %		1.113 %	-1.153 %	-0.257 %	18.150 %
Concentration RSD	27.6 %	27.8 %		37.0 %	80.8 %	475.2 %	4.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0007 ppm	0.0011 ppm	0.0011 ppm	0.0019 ppm	-0.0126 ppm	0.0000 ppm
Concentration per Run 1	-0.0002 ppm	0.0005 ppm	0.0008 ppm	0.0019 ppm	0.0019 ppm	-0.0042 ppm	0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0013 ppm	0.0013 ppm	0.0012 ppm	0.0034 ppm	-0.0232 ppm	-0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0012 ppm	0.0002 ppm	0.0003 ppm	-0.0105 ppm	-0.0009 ppm
Recovery Percentage 1	-3.163 %	3.323 %	11.181 %	10.820 %	3.736 %	-0.506 %	-0.011 %
Concentration RSD	42.3 %	87.7 %	22.6 %	78.0 %	81.8 %	76.5 %	171.832.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0174 ppm	0.0005 ppm	-0.0010 ppm	-0.0282 ppm	-0.0005 ppm	0.0004 ppm	0.0035 ppm
Concentration per Run 1	0.0215 ppm	0.0004 ppm	-0.0013 ppm	-0.0296 ppm	-0.0011 ppm	0.0010 ppm	0.0011 ppm
Concentration per Run 2	0.0178 ppm	0.0007 ppm	0.0001 ppm	-0.0306 ppm	0.0017 ppm	0.0000 ppm	0.0111 ppm
Concentration per Run 3	0.0127 ppm	0.0004 ppm	-0.0017 ppm	-0.0244 ppm	-0.0021 ppm	0.0001 ppm	-0.0015 ppm
Recovery Percentage 1	17.354 %	5.139 %	-1.929 %	-1.410 %	-2.023 %	3.629 %	7.174 %
Concentration RSD	25.6 %	29.3 %	94.7 %	11.7 %	392.0 %	154.6 %	185.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0006 ppm	-0.0062 ppm	-0.0029 ppm	0.0000 ppm	0.0028 ppm	0.0039 ppm	0.0012 ppm
Concentration per Run 1	-0.0011 ppm	-0.0043 ppm	-0.0037 ppm	0.0000 ppm	0.0029 ppm	0.0027 ppm	0.0014 ppm
Concentration per Run 2	0.0016 ppm	-0.0069 ppm	-0.0037 ppm	0.0000 ppm	0.0029 ppm	0.0051 ppm	0.0009 ppm
Concentration per Run 3	0.0013 ppm	-0.0072 ppm	-0.0014 ppm	0.0000 ppm	0.0026 ppm	0.0038 ppm	0.0012 ppm
Recovery Percentage 1	5.830 %	-1.232 %	-5.839 %	0.137 %	28.186 %	19.414 %	11.765 %
Concentration RSD	251.7 %	26.0 %	46.0 %	221.5 %	6.5 %	30.7 %	21.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0017 ppm	106.6943 %	101.6115 %	102.5122 %	104.9708 %	101.1092 %	101.6292 %
Concentration per Run 1	0.0018 ppm	107.3442 %	101.9336 %	103.0430 %	105.2861 %	101.1109 %	101.9001 %
Concentration per Run 2	0.0018 ppm	106.4864 %	100.5303 %	101.8772 %	105.0728 %	100.5204 %	101.2711 %
Concentration per Run 3	0.0015 ppm	106.2523 %	102.3706 %	102.6164 %	104.5536 %	101.6963 %	101.7164 %
Recovery Percentage 1	34.464 %	0.5 %	0.9 %	0.6 %	0.4 %	0.6 %	0.3 %
Concentration RSD	8.9 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2112651-2 WG2112651

Analysis started at: 9/11/2025 9:15:05 AM

Rack 2

Vial 28

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0469 ppm	1.8979 ppm	0.1137 ppm	0.9428 ppm	1.8782 ppm	0.0473 ppm	9.6949 ppm
Concentration per Run 1	0.0468 ppm	1.8975 ppm	0.1098 ppm	0.9471 ppm	1.8883 ppm	0.0477 ppm	9.6679 ppm
Concentration per Run 2	0.0474 ppm	1.8982 ppm	0.1175 ppm	0.9455 ppm	1.8731 ppm	0.0474 ppm	9.6539 ppm
Concentration per Run 3	0.0463 ppm	1.8979 ppm	0.1138 ppm	0.9358 ppm	1.8733 ppm	0.0468 ppm	9.7630 ppm
Concentration RSD	1.2 %	0.0 %	3.4 %	0.6 %	0.5 %	1.0 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0505 ppm	0.4666 ppm	0.1881 ppm	0.2290 ppm	0.9479 ppm	9.8843 ppm	0.0009 ppm
Concentration per Run 1	0.0506 ppm	0.4641 ppm	0.1885 ppm	0.2279 ppm	0.9481 ppm	9.9423 ppm	0.0014 ppm
Concentration per Run 2	0.0506 ppm	0.4660 ppm	0.1876 ppm	0.2297 ppm	0.9493 ppm	9.8828 ppm	0.0009 ppm
Concentration per Run 3	0.0504 ppm	0.4696 ppm	0.1882 ppm	0.2292 ppm	0.9463 ppm	9.8279 ppm	0.0004 ppm
Concentration RSD	0.2 %	0.6 %	0.2 %	0.4 %	0.2 %	0.6 %	56.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.3953 ppm	0.4789 ppm	0.9334 ppm	9.9973 ppm	0.4624 ppm	0.5127 ppm	0.3748 ppm
Concentration per Run 1	9.4024 ppm	0.4797 ppm	0.9308 ppm	9.9654 ppm	0.4643 ppm	0.5103 ppm	0.3686 ppm
Concentration per Run 2	9.4070 ppm	0.4763 ppm	0.9355 ppm	9.9970 ppm	0.4634 ppm	0.5166 ppm	0.3794 ppm
Concentration per Run 3	9.3766 ppm	0.4809 ppm	0.9341 ppm	10.0295 ppm	0.4596 ppm	0.5110 ppm	0.3762 ppm
Concentration RSD	0.2 %	0.5 %	0.3 %	0.3 %	0.5 %	0.7 %	1.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1210 ppm	0.9187 ppm	0.8914 ppm	0.9389 ppm	0.9506 ppm	0.1122 ppm	0.4825 ppm
Concentration per Run 1	0.1187 ppm	0.9239 ppm	0.8939 ppm	0.9463 ppm	0.9498 ppm	0.1095 ppm	0.4838 ppm
Concentration per Run 2	0.1219 ppm	0.9218 ppm	0.8945 ppm	0.9340 ppm	0.9529 ppm	0.1142 ppm	0.4819 ppm
Concentration per Run 3	0.1223 ppm	0.9103 ppm	0.8858 ppm	0.9365 ppm	0.9491 ppm	0.1129 ppm	0.4817 ppm
Concentration RSD	1.6 %	0.8 %	0.5 %	0.7 %	0.2 %	2.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4741 ppm	107.8108 %	102.2356 %	103.2067 %	104.5659 %	100.6765 %	101.8354 %
Concentration per Run 1	0.4750 ppm	107.9984 %	102.1250 %	102.7900 %	104.6302 %	100.0620 %	101.5555 %
Concentration per Run 2	0.4761 ppm	107.7197 %	102.7481 %	103.1947 %	104.6435 %	101.1086 %	101.5818 %
Concentration per Run 3	0.4711 ppm	107.7142 %	101.8336 %	103.6355 %	104.4238 %	100.8589 %	102.3690 %
Concentration RSD	0.6 %	0.2 %	0.5 %	0.4 %	0.1 %	0.5 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555556-01 WG2112651

Analysis started at: 9/11/2025 9:18:20 AM

Rack 2

Vial 34

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0017 ppm	-0.0044 ppm	-0.0017 ppm	0.0033 ppm	0.0025 ppm	0.0000 ppm	0.0373 ppm
Concentration per Run 1	-0.0016 ppm	-0.0091 ppm	-0.0014 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0353 ppm
Concentration per Run 2	-0.0014 ppm	-0.0058 ppm	-0.0014 ppm	0.0046 ppm	0.0024 ppm	0.0000 ppm	0.0392 ppm
Concentration per Run 3	-0.0020 ppm	0.0018 ppm	-0.0024 ppm	0.0051 ppm	0.0025 ppm	-0.0001 ppm	0.0373 ppm
Concentration RSD	16.9 %	128.3 %	33.8 %	78.8 %	1.8 %	29.2 %	5.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0010 ppm	0.0046 ppm	0.0017 ppm	0.0230 ppm	0.0002 ppm
Concentration per Run 1	-0.0001 ppm	-0.0004 ppm	0.0004 ppm	0.0057 ppm	0.0049 ppm	0.0138 ppm	-0.0014 ppm
Concentration per Run 2	-0.0002 ppm	0.0013 ppm	0.0019 ppm	0.0045 ppm	-0.0011 ppm	0.0281 ppm	-0.0001 ppm
Concentration per Run 3	-0.0003 ppm	-0.0004 ppm	0.0007 ppm	0.0036 ppm	0.0013 ppm	0.0270 ppm	0.0022 ppm
Concentration RSD	33.6 %	632.2 %	76.4 %	23.0 %	175.9 %	34.6 %	752.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0213 ppm	0.0002 ppm	0.0062 ppm	10.4760 ppm	-0.0007 ppm	0.0284 ppm	0.0180 ppm
Concentration per Run 1	0.0209 ppm	0.0003 ppm	0.0054 ppm	10.5416 ppm	-0.0010 ppm	0.0292 ppm	0.0157 ppm
Concentration per Run 2	0.0220 ppm	0.0004 ppm	0.0072 ppm	10.4089 ppm	-0.0012 ppm	0.0267 ppm	0.0126 ppm
Concentration per Run 3	0.0210 ppm	0.0000 ppm	0.0061 ppm	10.4776 ppm	0.0001 ppm	0.0294 ppm	0.0258 ppm
Concentration RSD	2.7 %	87.5 %	15.2 %	0.6 %	99.5 %	5.4 %	38.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	0.0328 ppm	0.0651 ppm	0.0001 ppm	0.0023 ppm	0.0008 ppm	0.0010 ppm
Concentration per Run 1	0.0049 ppm	0.0337 ppm	0.0645 ppm	0.0001 ppm	0.0020 ppm	0.0005 ppm	0.0019 ppm
Concentration per Run 2	0.0042 ppm	0.0320 ppm	0.0651 ppm	0.0001 ppm	0.0027 ppm	0.0013 ppm	0.0005 ppm
Concentration per Run 3	0.0015 ppm	0.0328 ppm	0.0656 ppm	0.0001 ppm	0.0022 ppm	0.0007 ppm	0.0005 ppm
Concentration RSD	51.6 %	2.6 %	0.8 %	41.6 %	14.6 %	52.7 %	84.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0067 ppm	111.5368 %	103.3188 %	106.2978 %	105.5697 %	100.7924 %	103.2093 %
Concentration per Run 1	0.0066 ppm	111.1275 %	103.0047 %	105.5062 %	104.9973 %	100.2144 %	102.6307 %
Concentration per Run 2	0.0068 ppm	111.8738 %	103.9484 %	106.5167 %	105.5395 %	101.9054 %	103.2685 %
Concentration per Run 3	0.0066 ppm	111.6089 %	103.0034 %	106.8704 %	106.1724 %	100.2574 %	103.7287 %
Concentration RSD	1.8 %	0.3 %	0.5 %	0.7 %	0.6 %	1.0 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: eL2556224-01.WG2112651

Analysis started at: 9/11/2025 9:21:36 AM

Rack 2

Vial 29

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0019 ppm	-0.0200 ppm	0.0012 ppm	0.1630 ppm	0.2482 ppm	-0.0001 ppm	131.0877 ppm
Concentration per Run 1	-0.0021 ppm	-0.0166 ppm	0.0055 ppm	0.1649 ppm	0.2494 ppm	-0.0001 ppm	131.1719 ppm
Concentration per Run 2	-0.0023 ppm	-0.0237 ppm	0.0011 ppm	0.1619 ppm	0.2468 ppm	-0.0001 ppm	131.2755 ppm
Concentration per Run 3	-0.0014 ppm	-0.0198 ppm	-0.0031 ppm	0.1621 ppm	0.2485 ppm	-0.0001 ppm	130.8158 ppm
Concentration RSD	23.9 %	18.0 %	370.2 %	1.0 %	0.5 %	49.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0009 ppm	0.0000 ppm	0.0007 ppm	0.0014 ppm	4.6739 ppm	25.2962 ppm	-0.0003 ppm
Concentration per Run 1	-0.0009 ppm	0.0007 ppm	0.0005 ppm	0.0010 ppm	4.6580 ppm	25.4060 ppm	-0.0006 ppm
Concentration per Run 2	-0.0009 ppm	0.0002 ppm	0.0013 ppm	0.0015 ppm	4.6708 ppm	25.1842 ppm	0.0000 ppm
Concentration per Run 3	-0.0008 ppm	-0.0009 ppm	0.0002 ppm	0.0018 ppm	4.6929 ppm	25.2982 ppm	-0.0001 ppm
Concentration RSD	8.4 %	26.879.3 %	78.8 %	29.2 %	0.4 %	0.4 %	130.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.6644 ppm	0.8320 ppm	0.0032 ppm	1,042.7226 [SIC 500]	0.0015 ppm	0.0016 ppm	0.0125 ppm
Concentration per Run 1	14.6862 ppm	0.8305 ppm	0.0038 ppm	1,037.4796 ppm	0.0019 ppm	0.0018 ppm	0.0190 ppm
Concentration per Run 2	14.6630 ppm	0.8299 ppm	0.0025 ppm	1,048.2166 ppm	0.0024 ppm	0.0022 ppm	0.0022 ppm
Concentration per Run 3	14.6441 ppm	0.8356 ppm	0.0032 ppm	1,042.4715 ppm	0.0001 ppm	0.0008 ppm	0.0164 ppm
Concentration RSD	0.1 %	0.4 %	19.5 %	0.5 %	80.3 %	49.8 %	71.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0017 ppm	6.6751 ppm	0.0032 ppm	1,245.6 ppm	0.0027 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 1	0.0051 ppm	6.6732 ppm	0.0039 ppm	1,2543 ppm	0.0041 ppm	0.0003 ppm	0.0007 ppm
Concentration per Run 2	-0.0006 ppm	6.6955 ppm	0.0045 ppm	1,2363 ppm	0.0027 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 3	0.0004 ppm	6.6565 ppm	0.0013 ppm	1,2460 ppm	0.0014 ppm	-0.0001 ppm	0.0016 ppm
Concentration RSD	183.2 %	0.3 %	52.9 %	0.7 %	49.8 %	376.8 %	76.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0318 ppm	112.2731 %	97.6114 %	105.1006 %	108.8330 %	95.8914 %	103.5069 %
Concentration per Run 1	-0.0313 ppm	113.5147 %	97.2310 %	104.7196 %	109.4314 %	95.8907 %	103.0853 %
Concentration per Run 2	-0.0319 ppm	111.7674 %	97.8221 %	105.3674 %	108.9918 %	96.0684 %	103.9290 %
Concentration per Run 3	-0.0323 ppm	111.5373 %	97.7811 %	105.2149 %	108.0907 %	95.7150 %	103.5063 %
Concentration RSD	1.6 %	1.0 %	0.3 %	0.3 %	0.6 %	0.2 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: eWG2112651-3 WG2112651

Analysis started at: 9/11/2025 9:24:51 AM

Rack 2

Vial 30

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0487 ppm	1.8953 ppm	0.1159 ppm	1.0920 ppm	2.0983 ppm	0.0473 ppm	136.2527 ppm
Concentration per Run 1	0.0487 ppm	1.8987 ppm	0.1183 ppm	2.0791 ppm	2.0971 ppm	0.0471 ppm	135.6377 ppm
Concentration per Run 2	0.0483 ppm	1.9098 ppm	0.1129 ppm	1.0732 ppm	2.1171 ppm	0.0475 ppm	136.6910 ppm
Concentration per Run 3	0.0489 ppm	1.8776 ppm	0.1166 ppm	1.1035 ppm	2.0987 ppm	0.0473 ppm	136.4295 ppm
Concentration RSD	0.6 %	0.9 %	2.4 %	1.5 %	0.9 %	0.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0476 ppm	0.4662 ppm	0.1849 ppm	0.2633 ppm	5.4814 ppm	34.6876 ppm	-0.0003 ppm
Concentration per Run 1	0.0476 ppm	0.4664 ppm	0.1859 ppm	0.2636 ppm	5.4501 ppm	34.4666 ppm	-0.0003 ppm
Concentration per Run 2	0.0474 ppm	0.4629 ppm	0.1823 ppm	0.2624 ppm	5.5048 ppm	34.8213 ppm	-0.0002 ppm
Concentration per Run 3	0.0478 ppm	0.4691 ppm	0.1866 ppm	0.2640 ppm	5.4893 ppm	34.7749 ppm	-0.0004 ppm
Concentration RSD	0.4 %	0.7 %	1.2 %	0.3 %	0.5 %	0.6 %	45.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	23.8407 ppm	1.2820 ppm	0.9329 ppm	1,011.6328 (SIC 500)	0.4569 ppm	0.5225 ppm	0.4736 ppm
Concentration per Run 1	23.8482 ppm	1.2791 ppm	0.9293 ppm	1,010.2597 ppm	0.4610 ppm	0.5193 ppm	0.4821 ppm
Concentration per Run 2	23.7338 ppm	1.2854 ppm	0.9273 ppm	1,013.3230 ppm	0.4548 ppm	0.5245 ppm	0.4601 ppm
Concentration per Run 3	23.9401 ppm	1.2814 ppm	0.9422 ppm	1,011.3159 ppm	0.4550 ppm	0.5236 ppm	0.4786 ppm
Concentration RSD	0.4 %	0.2 %	0.9 %	0.2 %	0.8 %	0.5 %	2.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1164 ppm	7.6131 ppm	0.8896 ppm	2,1507 ppm	0.9573 ppm	0.1218 ppm	0.4846 ppm
Concentration per Run 1	0.1170 ppm	7.6106 ppm	0.8928 ppm	2.1341 ppm	0.9596 ppm	0.1200 ppm	0.4851 ppm
Concentration per Run 2	0.1164 ppm	7.6014 ppm	0.8803 ppm	2.1699 ppm	0.9528 ppm	0.1215 ppm	0.4822 ppm
Concentration per Run 3	0.1158 ppm	7.6271 ppm	0.8959 ppm	2.1482 ppm	0.9596 ppm	0.1240 ppm	0.4865 ppm
Concentration RSD	0.5 %	0.2 %	0.9 %	0.8 %	0.4 %	1.7 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4198 ppm	110.3314 %	101.6687 %	104.5805 %	107.1332 %	99.6210 %	102.9322 %
Concentration per Run 1	0.4210 ppm	109.4293 %	102.9637 %	105.1004 %	106.0690 %	100.6194 %	103.1551 %
Concentration per Run 2	0.4133 ppm	111.1248 %	100.9321 %	103.7681 %	107.3867 %	99.1897 %	102.6852 %
Concentration per Run 3	0.4252 ppm	110.4401 %	101.1102 %	104.8732 %	107.9437 %	99.0538 %	102.9565 %
Concentration RSD	1.4 %	0.8 %	1.1 %	0.7 %	0.9 %	0.9 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: eWG2112651-4 WG2112651

Analysis started at: 9/11/2025 9:28:07 AM

Rack 2

Vial 31

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0025 ppm	-0.0268 ppm	0.0015 ppm	0.1684 ppm	0.2517 ppm	-0.0001 ppm	132.5458 ppm
Concentration per Run 1	-0.0035 ppm	-0.0243 ppm	0.0020 ppm	0.1655 ppm	0.2519 ppm	-0.0001 ppm	132.6574 ppm
Concentration per Run 2	-0.0023 ppm	-0.0165 ppm	0.0028 ppm	0.1696 ppm	0.2502 ppm	-0.0001 ppm	132.3796 ppm
Concentration per Run 3	-0.0016 ppm	-0.0396 ppm	-0.0002 ppm	0.1702 ppm	0.2530 ppm	0.0000 ppm	132.6004 ppm
Concentration RSD	39.7 %	43.9 %	100.0 %	1.5 %	0.6 %	53.9 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0012 ppm	0.0008 ppm	0.0006 ppm	0.0019 ppm	4.7283 ppm	25.4583 ppm	0.0004 ppm
Concentration per Run 1	-0.0012 ppm	0.0012 ppm	0.0005 ppm	0.0021 ppm	4.7348 ppm	25.3782 ppm	-0.0003 ppm
Concentration per Run 2	-0.0013 ppm	0.0008 ppm	0.0015 ppm	0.0015 ppm	4.6834 ppm	25.3913 ppm	0.0008 ppm
Concentration per Run 3	-0.0011 ppm	0.0005 ppm	-0.0001 ppm	0.0022 ppm	4.7667 ppm	25.6054 ppm	0.0008 ppm
Concentration RSD	10.5 %	38.6 %	128.8 %	18.8 %	0.9 %	0.5 %	144.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.0249 ppm	0.8391 ppm	0.0104 ppm	1,031.7309 [SIC 500]	0.0001 ppm	0.0036 ppm	0.0150 ppm
Concentration per Run 1	14.9869 ppm	0.8405 ppm	0.0111 ppm	1.034.4325 ppm	0.0018 ppm	0.0053 ppm	0.0108 ppm
Concentration per Run 2	15.0374 ppm	0.8358 ppm	0.0102 ppm	1.028.3387 ppm	-0.0010 ppm	0.0047 ppm	0.0179 ppm
Concentration per Run 3	15.0503 ppm	0.8411 ppm	0.0098 ppm	1.032.4215 ppm	-0.0006 ppm	0.0007 ppm	0.0164 ppm
Concentration RSD	0.2 %	0.3 %	6.6 %	0.3 %	1,900.5 %	71.0 %	24.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	6.8144 ppm	0.0090 ppm	1,2595 ppm	0.0025 ppm	0.0029 ppm	0.0008 ppm
Concentration per Run 1	0.0058 ppm	6.7963 ppm	0.0091 ppm	1.2613 ppm	0.0029 ppm	0.0034 ppm	0.0013 ppm
Concentration per Run 2	-0.0055 ppm	6.8054 ppm	0.0065 ppm	1.2541 ppm	0.0024 ppm	0.0037 ppm	0.0007 ppm
Concentration per Run 3	0.0017 ppm	6.8415 ppm	0.0115 ppm	1.2632 ppm	0.0022 ppm	0.0016 ppm	0.0005 ppm
Concentration RSD	830.2 %	0.4 %	28.1 %	0.4 %	12.9 %	39.8 %	49.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0315 ppm	111.3725 %	96.7013 %	104.3473 %	108.0172 %	94.7673 %	102.6414 %
Concentration per Run 1	-0.0313 ppm	112.2712 %	96.5106 %	104.9132 %	108.7047 %	94.6422 %	102.5605 %
Concentration per Run 2	-0.0309 ppm	111.2259 %	96.4121 %	103.4705 %	108.5942 %	94.2873 %	101.6439 %
Concentration per Run 3	-0.0323 ppm	110.6203 %	97.1812 %	104.6581 %	106.7525 %	95.3724 %	103.7198 %
Concentration RSD	2.3 %	0.7 %	0.4 %	0.7 %	1.0 %	0.6 %	1.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: eWG2112651-5 WG2112651

Analysis started at: 9/11/2025 9:31:23 AM

Rack 2

Vial 32

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0485 ppm	1.9194 ppm	0.1109 ppm	1.0927 ppm	2.1244 ppm	0.0482 ppm	138.3531 ppm
Concentration per Run 1	0.0478 ppm	1.9221 ppm	0.1110 ppm	1.0904 ppm	2.1306 ppm	0.0483 ppm	139.0455 ppm
Concentration per Run 2	0.0483 ppm	1.9198 ppm	0.1090 ppm	1.0838 ppm	2.1258 ppm	0.0481 ppm	138.0267 ppm
Concentration per Run 3	0.0495 ppm	1.9163 ppm	0.1129 ppm	1.1040 ppm	2.1167 ppm	0.0481 ppm	137.9872 ppm
Concentration RSD	1.8 %	0.2 %	1.7 %	0.9 %	0.3 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0481 ppm	0.4691 ppm	0.1862 ppm	0.2655 ppm	5.5498 ppm	35.0061 ppm	0.0005 ppm
Concentration per Run 1	0.0482 ppm	0.4667 ppm	0.1847 ppm	0.2630 ppm	5.5716 ppm	35.0886 ppm	0.0016 ppm
Concentration per Run 2	0.0477 ppm	0.4677 ppm	0.1857 ppm	0.2659 ppm	5.5362 ppm	34.9991 ppm	0.0000 ppm
Concentration per Run 3	0.0485 ppm	0.4728 ppm	0.1883 ppm	0.2677 ppm	5.5416 ppm	34.9308 ppm	-0.0001 ppm
Concentration RSD	0.8 %	0.7 %	1.0 %	0.9 %	0.3 %	0.2 %	185.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	23.8023 ppm	1.3000 ppm	0.9371 ppm	1,018.3480 [SIC 500]	0.4626 ppm	0.5183 ppm	0.3113 ppm
Concentration per Run 1	23.7156 ppm	1.3065 ppm	0.9286 ppm	1,020.7375 ppm	0.4597 ppm	0.5251 ppm	0.3059 ppm
Concentration per Run 2	23.7130 ppm	1.2946 ppm	0.9266 ppm	1,013.7127 ppm	0.4592 ppm	0.5165 ppm	0.3080 ppm
Concentration per Run 3	23.9784 ppm	1.2989 ppm	0.9560 ppm	1,020.5937 ppm	0.4689 ppm	0.5134 ppm	0.3201 ppm
Concentration RSD	0.6 %	0.5 %	1.8 %	0.4 %	1.2 %	1.2 %	2.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1150 ppm	7.3289 ppm	0.8956 ppm	2.1642 ppm	0.9601 ppm	0.1230 ppm	0.4885 ppm
Concentration per Run 1	0.1147 ppm	7.2962 ppm	0.8887 ppm	2.1768 ppm	0.9566 ppm	0.1285 ppm	0.4859 ppm
Concentration per Run 2	0.1147 ppm	7.2814 ppm	0.8960 ppm	2.1637 ppm	0.9544 ppm	0.1237 ppm	0.4849 ppm
Concentration per Run 3	0.1155 ppm	7.4090 ppm	0.9021 ppm	2.1520 ppm	0.9692 ppm	0.1168 ppm	0.4952 ppm
Concentration RSD	0.4 %	1.0 %	0.7 %	0.6 %	0.8 %	4.8 %	1.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4231 ppm	112.0192 %	95.5901 %	103.8701 %	108.6179 %	93.5261 %
Concentration per Run 1	0.4227 ppm	111.6021 %	95.2630 %	103.1177 %	108.3727 %	92.8405 %
Concentration per Run 2	0.4196 ppm	113.0253 %	95.4730 %	104.9929 %	109.0816 %	93.6646 %
Concentration per Run 3	0.4272 ppm	111.4301 %	96.0343 %	103.4996 %	108.3994 %	94.0731 %
Concentration RSD	0.9 %	0.8 %	0.4 %	1.0 %	0.4 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xforgot to a sample in bracket
Analysis started at: 9/11/2025 9:36:09 AM
Rack 0
Vial 3
Comment <Comment>

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: eWG2112651-6D5 WG2112651

Analysis started at: 9/11/2025 9:45:06 AM

Rack 2

Vial 33

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0022 ppm	-0.0222 ppm	-0.0020 ppm	0.0326 ppm	0.0501 ppm	-0.0001 ppm	26.9348 ppm
Concentration per Run 1	-0.0020 ppm	-0.0290 ppm	0.0001 ppm	0.0320 ppm	0.0504 ppm	-0.0001 ppm	26.9625 ppm
Concentration per Run 2	-0.0017 ppm	-0.0119 ppm	-0.0035 ppm	0.0328 ppm	0.0503 ppm	0.0000 ppm	26.9241 ppm
Concentration per Run 3	-0.0028 ppm	-0.0258 ppm	-0.0025 ppm	0.0328 ppm	0.0495 ppm	-0.0001 ppm	26.9172 ppm
Concentration RSD	25.6 %	40.9 %	92.3 %	1.4 %	1.0 %	69.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0005 ppm	0.0011 ppm	0.0009 ppm	0.9629 ppm	5.0511 ppm	-0.0007 ppm
Concentration per Run 1	-0.0003 ppm	-0.0016 ppm	0.0012 ppm	0.0005 ppm	0.9704 ppm	5.0668 ppm	-0.0006 ppm
Concentration per Run 2	-0.0004 ppm	-0.0002 ppm	0.0018 ppm	0.0010 ppm	0.9627 ppm	5.0663 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0012 ppm	0.9556 ppm	5.0202 ppm	-0.0013 ppm
Concentration RSD	72.9 %	190.4 %	74.9 %	40.7 %	0.8 %	0.5 %	68.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.9746 ppm	0.1685 ppm	0.0009 ppm	225.5786 ppm	-0.0001 ppm	0.0020 ppm	0.0053 ppm
Concentration per Run 1	2.9758 ppm	0.1693 ppm	0.0017 ppm	224.9931 ppm	-0.0005 ppm	0.0005 ppm	0.0048 ppm
Concentration per Run 2	2.9689 ppm	0.1884 ppm	0.0003 ppm	225.9874 ppm	-0.0011 ppm	0.0011 ppm	0.0073 ppm
Concentration per Run 3	2.9792 ppm	0.1677 ppm	0.0007 ppm	225.7553 ppm	0.0013 ppm	0.0044 ppm	0.0038 ppm
Concentration RSD	0.2 %	0.5 %	79.7 %	0.2 %	1.969.6 %	105.0 %	34.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0029 ppm	1.3443 ppm	0.0043 ppm	0.2571 ppm	0.0017 ppm	0.0011 ppm	0.0011 ppm
Concentration per Run 1	0.0040 ppm	1.3457 ppm	0.0035 ppm	0.2592 ppm	0.0013 ppm	0.0035 ppm	0.0018 ppm
Concentration per Run 2	0.0029 ppm	1.3318 ppm	0.0057 ppm	0.2571 ppm	0.0023 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 3	0.0019 ppm	1.3553 ppm	0.0036 ppm	0.2549 ppm	0.0016 ppm	-0.0003 ppm	0.0005 ppm
Concentration RSD	37.1 %	0.9 %	29.4 %	0.8 %	30.1 %	192.9 %	63.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0070 ppm	110.3752 %	100.6483 %	105.8630 %	106.6036 %	98.4508 %	103.8659 %
Concentration per Run 1	-0.0070 ppm	110.0101 %	101.3829 %	106.3901 %	106.1067 %	99.2771 %	104.1979 %
Concentration per Run 2	-0.0068 ppm	110.7803 %	100.3844 %	104.7197 %	107.2098 %	98.1587 %	102.6638 %
Concentration per Run 3	-0.0071 ppm	110.3353 %	100.1776 %	106.4791 %	106.4943 %	97.9166 %	104.7359 %
Concentration RSD	2.3 %	0.4 %	0.6 %	0.9 %	0.5 %	0.7 %	1.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCV

Sample:

Analysis started at: 9/11/2025 9:48:16 AM

Rack

Vial

Comment

0

3

<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4802 ppm	0.4673 ppm	0.4760 ppm	0.4891 ppm	0.4913 ppm	0.5043 ppm	0.4954 ppm
Concentration per Run 1	0.4759 ppm	0.4672 ppm	0.4865 ppm	0.4884 ppm	0.4914 ppm	0.5059 ppm	0.4964 ppm
Concentration per Run 2	0.4814 ppm	0.4691 ppm	0.4718 ppm	0.4908 ppm	0.4881 ppm	0.5015 ppm	0.4940 ppm
Concentration per Run 3	0.4834 ppm	0.4656 ppm	0.4698 ppm	0.4880 ppm	0.4945 ppm	0.5054 ppm	0.4958 ppm
Recovery Percentage 1	96.047 %	93.460 %	95.208 %	97.820 %	98.263 %	100.850 %	99.079 %
Concentration RSD	0.8 %	0.4 %	1.9 %	0.3 %	0.7 %	0.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5019 ppm	0.5050 ppm	0.5017 ppm	0.4933 ppm	0.4902 ppm	5.1256 ppm	0.5147 ppm
Concentration per Run 1	0.4977 ppm	0.5021 ppm	0.4987 ppm	0.4888 ppm	0.4931 ppm	5.1395 ppm	0.5174 ppm
Concentration per Run 2	0.5031 ppm	0.5039 ppm	0.5040 ppm	0.4942 ppm	0.4880 ppm	5.1013 ppm	0.5094 ppm
Concentration per Run 3	0.5049 ppm	0.5089 ppm	0.5025 ppm	0.4969 ppm	0.4895 ppm	5.1359 ppm	0.5174 ppm
Recovery Percentage 1	100.384 %	100.991 %	100.345 %	98.663 %	98.043 %	102.511 %	102.946 %
Concentration RSD	0.8 %	0.7 %	0.5 %	0.8 %	0.5 %	0.4 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5008 ppm	0.5109 ppm	0.4923 ppm	10.2501 ppm	0.4986 ppm	0.5043 ppm	0.5111 ppm
Concentration per Run 1	0.4997 ppm	0.5136 ppm	0.4912 ppm	10.2868 ppm	0.4960 ppm	0.5065 ppm	0.5050 ppm
Concentration per Run 2	0.4999 ppm	0.5081 ppm	0.4921 ppm	10.1604 ppm	0.5000 ppm	0.5133 ppm	0.5133 ppm
Concentration per Run 3	0.5027 ppm	0.5109 ppm	0.4937 ppm	10.3031 ppm	0.4999 ppm	0.5000 ppm	0.5150 ppm
Recovery Percentage 1	100.154 %	102.172 %	98.465 %	102.501 %	99.729 %	100.856 %	102.217 %
Concentration RSD	0.3 %	0.5 %	0.3 %	0.8 %	0.5 %	0.7 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4920 ppm	5.2731 ppm	0.4851 ppm	0.4952 ppm	0.4969 ppm	0.4847 ppm	0.5051 ppm
Concentration per Run 1	0.4999 ppm	5.2365 ppm	0.4769 ppm	0.4947 ppm	0.4938 ppm	0.5014 ppm	0.5014 ppm
Concentration per Run 2	0.4906 ppm	5.2704 ppm	0.4899 ppm	0.4919 ppm	0.4882 ppm	0.4859 ppm	0.5048 ppm
Concentration per Run 3	0.4854 ppm	5.3123 ppm	0.4885 ppm	0.4990 ppm	0.4988 ppm	0.4815 ppm	0.5092 ppm
Recovery Percentage 1	98.396 %	100.440 %	97.020 %	99.037 %	99.386 %	96.939 %	101.028 %
Concentration RSD	1.5 %	0.7 %	1.5 %	0.7 %	0.6 %	0.6 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5036 ppm	107.2792 %	102.0932 %	102.4193 %	104.5042 %	100.2147 %	101.6956 %
Concentration per Run 1	0.5033 ppm	107.6996 %	102.0478 %	101.6327 %	104.8112 %	100.2365 %	101.5595 %
Concentration per Run 2	0.5034 ppm	106.9502 %	103.2569 %	102.3747 %	104.3429 %	101.0417 %	102.0081 %
Concentration per Run 3	0.5041 ppm	107.1878 %	100.9749 %	103.2504 %	104.3584 %	99.3657 %	101.5192 %
Recovery Percentage 1	100.714 %	0.4 %	1.1 %	0.8 %	0.3 %	0.8 %	0.3 %
Concentration RSD	0.1 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB

Analysis started at: 9/11/2025 9:51:32 AM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0016 ppm	-0.0180 ppm	-0.0013 ppm	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 1	-0.0011 ppm	-0.0156 ppm	-0.0012 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 2	-0.0032 ppm	-0.0160 ppm	-0.0006 ppm	-0.0029 ppm	-0.0002 ppm	0.0001 ppm	-0.0012 ppm
Concentration per Run 3	-0.0006 ppm	-0.0224 ppm	-0.0022 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage 1	-23.421 %	-17.988 %	-26.118 %	-0.629 %	-1.112 %	0.585 %	0.584 %
Concentration RSD	81.4 %	21.1 %	61.4 %	1.2592 %	68.3 %	160.2 %	334.4 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0008 ppm	-0.0013 ppm	0.0032 ppm	0.0013 ppm
Concentration per Run 1	-0.0002 ppm	-0.0012 ppm	0.0000 ppm	0.0003 ppm	-0.0003 ppm	0.0066 ppm	0.0010 ppm
Concentration per Run 2	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0003 ppm	-0.0020 ppm	0.0101 ppm	0.0014 ppm
Concentration per Run 3	-0.0001 ppm	0.0017 ppm	0.0021 ppm	0.0017 ppm	-0.0017 ppm	-0.0069 ppm	0.0017 ppm
Recovery Percentage 1	-0.931 %	0.668 %	7.968 %	7.803 %	-2.658 %	0.130 %	26.626 %
Concentration RSD	320.6 %	1,093.3 %	145.1 %	104.4 %	69.2 %	277.7 %	27.3 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0164 ppm	0.0001 ppm	0.0025 ppm	0.0156 ppm	-0.0013 ppm	0.0030 ppm	0.0097 ppm
Concentration per Run 1	0.0199 ppm	0.0001 ppm	0.0029 ppm	0.0181 ppm	-0.0035 ppm	0.0038 ppm	0.0069 ppm
Concentration per Run 2	0.0162 ppm	0.0000 ppm	0.0013 ppm	0.0128 ppm	-0.0008 ppm	0.0051 ppm	0.0168 ppm
Concentration per Run 3	0.0131 ppm	0.0003 ppm	0.0032 ppm	0.0158 ppm	0.0005 ppm	0.0001 ppm	0.0053 ppm
Recovery Percentage 1	16.394 %	1.430 %	4.940 %	0.778 %	-5.105 %	29.962 %	19.371 %
Concentration RSD	20.7 %	92.5 %	41.1 %	17.3 %	159.1 %	86.2 %	64.1 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0049 ppm	-0.0086 ppm	0.0026 ppm	0.0000 ppm	0.0033 ppm	0.0011 ppm	0.0011 ppm
Concentration per Run 1	0.0002 ppm	-0.0058 ppm	0.0019 ppm	0.0000 ppm	0.0035 ppm	0.0047 ppm	0.0011 ppm
Concentration per Run 2	0.0085 ppm	-0.0111 ppm	0.0041 ppm	0.0000 ppm	0.0026 ppm	-0.0015 ppm	0.0018 ppm
Concentration per Run 3	0.0060 ppm	-0.0088 ppm	0.0020 ppm	0.0000 ppm	0.0039 ppm	0.0001 ppm	0.0004 ppm
Recovery Percentage 1	49.085 %	-1.711 %	5.250 %	-0.041 %	33.091 %	5.602 %	10.875 %
Concentration RSD	87.1 %	31.2 %	47.7 %	1,118.4 %	20.1 %	284.4 %	61.3 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.0003 ppm	105.1373 %	99.4137 %	101.5307 %	103.7415 %	99.8393 %	101.3727 %
Concentration per Run 1	0.0001 ppm	104.8276 %	98.9328 %	100.4658 %	103.9424 %	99.7975 %	100.6306 %
Concentration per Run 2	0.0005 ppm	104.2606 %	99.4320 %	101.9323 %	102.9434 %	99.8118 %	101.6919 %
Concentration per Run 3	0.0004 ppm	106.3236 %	99.8763 %	102.1941 %	104.3388 %	99.9085 %	101.7955 %
Recovery Percentage 1	6.218 %	1.0 %	0.5 %	0.9 %	0.7 %	0.1 %	0.6 %
Concentration RSD	70.8 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556224-01D4 WG2112651

Analysis started at: 9/11/2025 10:02:25 AM

Rack 2

Vial 51

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	-0.0219 ppm	-0.0010 ppm	0.0617 ppm	0.0941 ppm	-0.0001 ppm	50.2592 ppm
Concentration per Run 1	-0.0014 ppm	-0.0201 ppm	-0.0005 ppm	0.0618 ppm	0.0937 ppm	0.0000 ppm	49.7704 ppm
Concentration per Run 2	-0.0020 ppm	-0.0262 ppm	-0.0006 ppm	0.0625 ppm	0.0944 ppm	-0.0001 ppm	50.5649 ppm
Concentration per Run 3	-0.0008 ppm	-0.0193 ppm	-0.0019 ppm	0.0609 ppm	0.0940 ppm	-0.0001 ppm	50.4424 ppm
Concentration RSD	42.1 %	17.1 %	74.9 %	1.3 %	0.4 %	49.5 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0009 ppm	0.0006 ppm	-0.0002 ppm	1.7881 ppm	9.4043 ppm	0.0001 ppm
Concentration per Run 1	-0.0006 ppm	0.0006 ppm	0.0004 ppm	-0.0002 ppm	1.7859 ppm	9.3526 ppm	0.0013 ppm
Concentration per Run 2	-0.0003 ppm	0.0017 ppm	0.0002 ppm	0.0000 ppm	1.7929 ppm	9.4474 ppm	-0.0005 ppm
Concentration per Run 3	-0.0007 ppm	0.0004 ppm	0.0011 ppm	-0.0004 ppm	1.7855 ppm	9.4128 ppm	-0.0006 ppm
Concentration RSD	34.8 %	71.9 %	78.6 %	99.5 %	0.2 %	0.5 %	1.245.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5519 ppm	0.3150 ppm	-0.0001 ppm	413.8344 ppm	0.0006 ppm	0.0057 ppm	0.0077 ppm
Concentration per Run 1	5.5578 ppm	0.3140 ppm	-0.0006 ppm	410.2864 ppm	0.0023 ppm	0.0039 ppm	0.0109 ppm
Concentration per Run 2	5.5176 ppm	0.3160 ppm	-0.0001 ppm	416.4502 ppm	-0.0011 ppm	0.0055 ppm	0.0070 ppm
Concentration per Run 3	5.5803 ppm	0.3150 ppm	0.0005 ppm	414.7665 ppm	0.0007 ppm	0.0077 ppm	0.0053 ppm
Concentration RSD	0.6 %	0.3 %	593.7 %	0.8 %	270.6 %	33.8 %	36.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	2.4899 ppm	-0.0001 ppm	0.4772 ppm	0.0027 ppm	0.0013 ppm	0.0007 ppm
Concentration per Run 1	0.0072 ppm	2.4964 ppm	0.0001 ppm	0.4747 ppm	0.0027 ppm	0.0022 ppm	0.0006 ppm
Concentration per Run 2	0.0014 ppm	2.4786 ppm	0.0005 ppm	0.4792 ppm	0.0031 ppm	-0.0016 ppm	0.0008 ppm
Concentration per Run 3	-0.0011 ppm	2.4947 ppm	-0.0010 ppm	0.4777 ppm	0.0024 ppm	0.0034 ppm	0.0006 ppm
Concentration RSD	170.9 %	0.4 %	631.7 %	0.5 %	13.1 %	195.0 %	14.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0129 ppm	111.0184 %	98.3291 %	106.7297 %	108.0910 %	96.4249 %	104.3497 %
Concentration per Run 1	-0.0131 ppm	109.8506 %	98.7998 %	106.4070 %	106.7179 %	96.1606 %	103.9051 %
Concentration per Run 2	-0.0126 ppm	111.8963 %	96.9798 %	106.6864 %	109.3012 %	95.4472 %	104.4256 %
Concentration per Run 3	-0.0130 ppm	111.3084 %	99.2076 %	107.0958 %	108.2539 %	97.6670 %	104.7183 %
Concentration RSD	2.4 %	0.9 %	1.2 %	0.3 %	1.2 %	1.2 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112651-3D4 WG2112651

Analysis started at: 9/11/2025 10:05:47 AM

Rack 2

Vial 52

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0170 ppm	0.6980 ppm	0.0394 ppm	0.4067 ppm	0.7918 ppm	0.0178 ppm	52.6971 ppm
Concentration per Run 1	0.0178 ppm	0.6860 ppm	0.0393 ppm	0.4122 ppm	0.7873 ppm	0.0178 ppm	52.5370 ppm
Concentration per Run 2	0.0166 ppm	0.7079 ppm	0.0387 ppm	0.4042 ppm	0.7961 ppm	0.0180 ppm	53.0528 ppm
Concentration per Run 3	0.0166 ppm	0.7002 ppm	0.0401 ppm	0.4037 ppm	0.7919 ppm	0.0177 ppm	52.5014 ppm
Concentration RSD	4.2 %	1.6 %	1.8 %	1.2 %	0.6 %	0.7 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0178 ppm	0.1745 ppm	0.0695 ppm	0.0932 ppm	2.0863 ppm	12.9173 ppm	-0.0004 ppm
Concentration per Run 1	0.0178 ppm	0.1728 ppm	0.0698 ppm	0.0934 ppm	2.0744 ppm	12.8532 ppm	-0.0008 ppm
Concentration per Run 2	0.0180 ppm	0.1768 ppm	0.0699 ppm	0.0944 ppm	2.0963 ppm	13.0246 ppm	0.0002 ppm
Concentration per Run 3	0.0177 ppm	0.1740 ppm	0.0687 ppm	0.0918 ppm	2.0883 ppm	12.8741 ppm	-0.0005 ppm
Concentration RSD	0.7 %	1.2 %	1.0 %	1.4 %	0.5 %	0.7 %	137.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	8.9094 ppm	0.4834 ppm	0.3497 ppm	409.1314 ppm	0.1723 ppm	0.1919 ppm	0.1732 ppm
Concentration per Run 1	8.9683 ppm	0.4825 ppm	0.3483 ppm	408.1357 ppm	0.1716 ppm	0.1906 ppm	0.1668 ppm
Concentration per Run 2	8.9245 ppm	0.4863 ppm	0.3507 ppm	411.7875 ppm	0.1740 ppm	0.1929 ppm	0.1839 ppm
Concentration per Run 3	8.8354 ppm	0.4812 ppm	0.3502 ppm	407.4710 ppm	0.1714 ppm	0.1921 ppm	0.1689 ppm
Concentration RSD	0.8 %	0.5 %	0.4 %	0.6 %	0.8 %	0.6 %	5.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0462 ppm	2.7943 ppm	0.3423 ppm	0.8158 ppm	0.3565 ppm	0.0438 ppm	0.1800 ppm
Concentration per Run 1	0.0485 ppm	2.8132 ppm	0.3451 ppm	0.8119 ppm	0.3578 ppm	0.0420 ppm	0.1804 ppm
Concentration per Run 2	0.0438 ppm	2.7970 ppm	0.3432 ppm	0.8187 ppm	0.3584 ppm	0.0479 ppm	0.1808 ppm
Concentration per Run 3	0.0464 ppm	2.7729 ppm	0.3385 ppm	0.8168 ppm	0.3534 ppm	0.0414 ppm	0.1788 ppm
Concentration RSD	5.1 %	0.7 %	1.0 %	0.4 %	0.8 %	8.2 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1597 ppm	110.7513 %	99.1031 %	106.7174 %	107.8647 %	97.1141 %	104.6235 %
Concentration per Run 1	0.1612 ppm	110.1050 %	99.1642 %	107.4836 %	106.9963 %	96.8843 %	104.7203 %
Concentration per Run 2	0.1597 ppm	110.2499 %	98.7849 %	105.8829 %	107.6834 %	96.5236 %	104.4507 %
Concentration per Run 3	0.1584 ppm	111.8989 %	99.3603 %	106.7855 %	108.9145 %	97.9345 %	104.6993 %
Concentration RSD	0.9 %	0.9 %	0.3 %	0.8 %	0.9 %	0.8 %	0.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112651-4D4 WG2112651

Analysis started at: 9/11/2025 10:09:03 AM

Rack 2

Vial 53

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0019 ppm	-0.0234 ppm	-0.0003 ppm	0.0598 ppm	0.0938 ppm	-0.0001 ppm	50.1306 ppm
Concentration per Run 1	-0.0011 ppm	-0.0180 ppm	0.0002 ppm	0.0593 ppm	0.0938 ppm	-0.0001 ppm	50.0005 ppm
Concentration per Run 2	-0.0016 ppm	-0.0325 ppm	0.0015 ppm	0.0603 ppm	0.0938 ppm	-0.0001 ppm	50.5300 ppm
Concentration per Run 3	-0.0030 ppm	-0.0195 ppm	-0.0026 ppm	0.0599 ppm	0.0928 ppm	-0.0001 ppm	49.8613 ppm
Concentration RSD	51.4 %	34.2 %	751.1 %	0.9 %	0.6 %	31.0 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	-0.0007 ppm	0.0003 ppm	0.0004 ppm	1.7728 ppm	9.3352 ppm	0.0003 ppm
Concentration per Run 1	-0.0007 ppm	-0.0008 ppm	0.0000 ppm	-0.0001 ppm	1.7788 ppm	9.3409 ppm	0.0008 ppm
Concentration per Run 2	-0.0006 ppm	-0.0008 ppm	0.0006 ppm	0.0000 ppm	1.7767 ppm	9.3663 ppm	0.0004 ppm
Concentration per Run 3	-0.0005 ppm	-0.0005 ppm	0.0003 ppm	0.0014 ppm	1.7627 ppm	9.2984 ppm	-0.0003 ppm
Concentration RSD	11.5 %	21.9 %	109.2 %	203.9 %	0.5 %	0.4 %	165.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5629 ppm	0.3143 ppm	0.0034 ppm	413.4116 ppm	0.0014 ppm	0.0015 ppm	-0.0009 ppm
Concentration per Run 1	5.5653 ppm	0.3143 ppm	0.0032 ppm	411.6605 ppm	0.0013 ppm	0.0028 ppm	-0.0061 ppm
Concentration per Run 2	5.5682 ppm	0.3168 ppm	0.0045 ppm	415.7606 ppm	0.0018 ppm	0.0029 ppm	0.0025 ppm
Concentration per Run 3	5.5552 ppm	0.3117 ppm	0.0025 ppm	412.8136 ppm	0.0012 ppm	-0.0013 ppm	0.0011 ppm
Concentration RSD	0.1 %	0.8 %	29.8 %	0.5 %	22.6 %	163.2 %	535.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	2.5043 ppm	-0.0006 ppm	0.4744 ppm	0.0025 ppm	0.0041 ppm	0.0006 ppm
Concentration per Run 1	0.0010 ppm	2.5123 ppm	-0.0009 ppm	0.4771 ppm	0.0029 ppm	0.0087 ppm	0.0005 ppm
Concentration per Run 2	0.0024 ppm	2.5078 ppm	0.0004 ppm	0.4758 ppm	0.0009 ppm	0.0021 ppm	0.0004 ppm
Concentration per Run 3	0.0041 ppm	2.4929 ppm	-0.0013 ppm	0.4702 ppm	0.0037 ppm	0.0015 ppm	0.0009 ppm
Concentration RSD	62.3 %	0.4 %	146.3 %	0.8 %	59.1 %	97.7 %	44.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0125 ppm	109.7206 %	99.0542 %	104.8973 %	107.0204 %	97.1292 %	103.3905 %
Concentration per Run 1	-0.0122 ppm	109.6121 %	99.1132 %	104.0365 %	106.5426 %	97.2841 %	102.5427 %
Concentration per Run 2	-0.0131 ppm	108.9632 %	98.6825 %	104.8898 %	107.1418 %	96.4767 %	103.2927 %
Concentration per Run 3	-0.0123 ppm	110.5863 %	99.6825 %	105.7655 %	107.3768 %	97.6267 %	104.3360 %
Concentration RSD	3.9 %	0.7 %	0.7 %	0.8 %	0.4 %	0.6 %	0.9 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112651-5D4 WG2112651

Analysis started at: 9/11/2025 10:12:19 AM

Rack 2

Vial 54

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0397 ppm	1.6186 ppm	0.0919 ppm	0.8499 ppm	1.6837 ppm	0.0406 ppm	58.6507 ppm
Concentration per Run 1	0.0396 ppm	1.6080 ppm	0.0916 ppm	0.8493 ppm	1.6826 ppm	0.0405 ppm	58.4155 ppm
Concentration per Run 2	0.0390 ppm	1.6136 ppm	0.0900 ppm	0.8475 ppm	1.6703 ppm	0.0403 ppm	58.5829 ppm
Concentration per Run 3	0.0403 ppm	1.6343 ppm	0.0941 ppm	0.8529 ppm	1.6983 ppm	0.0409 ppm	58.9538 ppm
Concentration RSD	1.6 %	0.9 %	2.3 %	0.3 %	0.8 %	0.7 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0416 ppm	0.3976 ppm	0.1572 ppm	0.2149 ppm	2.5741 ppm	17.8404 ppm	0.0009 ppm
Concentration per Run 1	0.0416 ppm	0.3977 ppm	0.1572 ppm	0.2144 ppm	2.5694 ppm	17.8449 ppm	0.0004 ppm
Concentration per Run 2	0.0417 ppm	0.3959 ppm	0.1565 ppm	0.2143 ppm	2.5663 ppm	17.6428 ppm	0.0007 ppm
Concentration per Run 3	0.0414 ppm	0.3992 ppm	0.1578 ppm	0.2160 ppm	2.5865 ppm	18.0335 ppm	0.0015 ppm
Concentration RSD	0.5 %	0.4 %	0.4 %	0.4 %	0.4 %	1.1 %	61.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	13.5461 ppm	0.7183 ppm	0.8044 ppm	420.8468 ppm	0.3906 ppm	0.4277 ppm	0.3011 ppm
Concentration per Run 1	13.6154 ppm	0.7175 ppm	0.8017 ppm	418.6722 ppm	0.3903 ppm	0.4313 ppm	0.2972 ppm
Concentration per Run 2	13.4919 ppm	0.7158 ppm	0.7983 ppm	417.9372 ppm	0.3888 ppm	0.4201 ppm	0.2988 ppm
Concentration per Run 3	13.5309 ppm	0.7215 ppm	0.8132 ppm	425.9310 ppm	0.3928 ppm	0.4318 ppm	0.3073 ppm
Concentration RSD	0.5 %	0.4 %	1.0 %	1.0 %	0.5 %	1.5 %	1.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0979 ppm	3.0941 ppm	0.7822 ppm	1.2747 ppm	0.8112 ppm	0.0960 ppm	0.4135 ppm
Concentration per Run 1	0.0979 ppm	3.1077 ppm	0.7876 ppm	1.2731 ppm	0.8136 ppm	0.0958 ppm	0.4156 ppm
Concentration per Run 2	0.0967 ppm	3.0749 ppm	0.7725 ppm	1.2634 ppm	0.8085 ppm	0.0980 ppm	0.4110 ppm
Concentration per Run 3	0.0992 ppm	3.0997 ppm	0.7866 ppm	1.2877 ppm	0.8114 ppm	0.0941 ppm	0.4138 ppm
Concentration RSD	1.3 %	0.6 %	1.1 %	1.0 %	0.3 %	2.0 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3814 ppm	109.9497 %	98.4523 %	105.0041 %	106.8336 %	96.7319 %	103.1452 %
Concentration per Run 1	0.3821 ppm	109.7540 %	97.9330 %	104.8401 %	106.2854 %	96.3363 %	102.8785 %
Concentration per Run 2	0.3797 ppm	110.5224 %	100.1797 %	106.4766 %	106.9378 %	98.0279 %	103.0715 %
Concentration per Run 3	0.3825 ppm	109.5726 %	97.2440 %	104.6955 %	107.2775 %	95.8316 %	103.5455 %
Concentration RSD	0.4 %	0.5 %	1.6 %	0.4 %	0.5 %	1.2 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2112651-6D20 WG2112651

Analysis started at: 9/11/2025 10:15:36 AM

Rack 2

Vial 55

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0021 ppm	-0.0174 ppm	-0.0032 ppm	0.0121 ppm	0.0190 ppm	-0.0001 ppm	10.2701 ppm
Concentration per Run 1	-0.0022 ppm	-0.0146 ppm	-0.0043 ppm	0.0133 ppm	0.0192 ppm	-0.0001 ppm	10.2613 ppm
Concentration per Run 2	-0.0019 ppm	-0.0233 ppm	-0.0031 ppm	0.0108 ppm	0.0189 ppm	-0.0001 ppm	10.2478 ppm
Concentration per Run 3	-0.0022 ppm	-0.0144 ppm	-0.0021 ppm	0.0121 ppm	0.0190 ppm	0.0000 ppm	10.3012 ppm
Concentration RSD	7.7 %	29.2 %	33.9 %	10.4 %	0.6 %	46.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.3640 ppm	1.9022 ppm	0.0011 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0004 ppm	0.3645 ppm	1.9220 ppm	0.0018 ppm
Concentration per Run 2	-0.0004 ppm	-0.0011 ppm	-0.0006 ppm	-0.0005 ppm	0.3630 ppm	1.9174 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0014 ppm	0.0006 ppm	0.0012 ppm	0.3646 ppm	1.8671 ppm	0.0008 ppm
Concentration RSD	86.8 %	1.414.3 %	580.2 %	237.1 %	0.3 %	1.6 %	48.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1451 ppm	0.0647 ppm	0.0047 ppm	86.8227 ppm	0.0006 ppm	0.0033 ppm	0.0321 ppm
Concentration per Run 1	1.1438 ppm	0.0650 ppm	0.0054 ppm	86.9931 ppm	0.0003 ppm	0.0051 ppm	0.0310 ppm
Concentration per Run 2	1.1493 ppm	0.0647 ppm	0.0037 ppm	86.8094 ppm	0.0001 ppm	0.0022 ppm	0.0307 ppm
Concentration per Run 3	1.1421 ppm	0.0645 ppm	0.0050 ppm	86.6657 ppm	0.0013 ppm	0.0027 ppm	0.0348 ppm
Concentration RSD	0.3 %	0.4 %	18.7 %	0.2 %	123.5 %	46.6 %	7.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0065 ppm	0.4990 ppm	0.0037 ppm	0.0971 ppm	0.0028 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run 1	0.0048 ppm	0.4973 ppm	0.0016 ppm	0.0981 ppm	0.0021 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0063 ppm	0.5023 ppm	0.0029 ppm	0.0962 ppm	0.0038 ppm	-0.0038 ppm	0.0003 ppm
Concentration per Run 3	0.0084 ppm	0.4975 ppm	0.0066 ppm	0.0970 ppm	0.0024 ppm	0.0007 ppm	0.0008 ppm
Concentration RSD	27.4 %	0.6 %	69.3 %	1.0 %	33.2 %	278.3 %	90.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0022 ppm	107.3540 %	98.0521 %	103.9785 %	104.5090 %	96.6735 %	102.0505 %
Concentration per Run 1	-0.0021 ppm	107.3005 %	98.1626 %	103.7795 %	104.4016 %	97.3154 %	101.8510 %
Concentration per Run 2	-0.0025 ppm	107.1407 %	97.6755 %	104.0236 %	104.6612 %	95.9324 %	101.6828 %
Concentration per Run 3	-0.0021 ppm	107.6209 %	98.3180 %	104.1325 %	104.4641 %	96.7728 %	102.6176 %
Concentration RSD	10.0 %	0.2 %	0.3 %	0.2 %	0.1 %	0.7 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCV

Sample:

Analysis started at: 9/11/2025 10:18:52 AM

Rack

Vial

Comment

<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4850 ppm	0.4774 ppm	0.4802 ppm	0.4960 ppm	0.4988 ppm	0.5091 ppm	0.4997 ppm
Concentration per Run 1	0.4854 ppm	0.4794 ppm	0.4803 ppm	0.4974 ppm	0.5103 ppm	0.5017 ppm	0.5017 ppm
Concentration per Run 2	0.4824 ppm	0.4687 ppm	0.4848 ppm	0.4931 ppm	0.4969 ppm	0.5066 ppm	0.4972 ppm
Concentration per Run 3	0.4871 ppm	0.4840 ppm	0.4755 ppm	0.4976 ppm	0.4994 ppm	0.5105 ppm	0.5001 ppm
Recovery Percentage 1	96.996 %	95.475 %	96.041 %	99.204 %	99.768 %	101.827 %	99.932 %
Concentration RSD	0.5 %	1.6 %	1.0 %	0.5 %	0.3 %	0.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5052 ppm	0.5088 ppm	0.5090 ppm	0.4966 ppm	0.4948 ppm	5.1695 ppm	0.5218 ppm
Concentration per Run 1	0.5048 ppm	0.5082 ppm	0.5114 ppm	0.4935 ppm	0.5015 ppm	5.2070 ppm	0.5223 ppm
Concentration per Run 2	0.5022 ppm	0.5072 ppm	0.5054 ppm	0.4943 ppm	0.4939 ppm	5.1176 ppm	0.5182 ppm
Concentration per Run 3	0.5086 ppm	0.5110 ppm	0.5102 ppm	0.5019 ppm	0.4891 ppm	5.1838 ppm	0.5249 ppm
Recovery Percentage 1	101.043 %	101.766 %	101.799 %	99.311 %	98.966 %	103.389 %	104.362 %
Concentration RSD	0.6 %	0.4 %	0.6 %	0.9 %	1.3 %	0.9 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5010 ppm	0.5163 ppm	0.5004 ppm	10.3873 ppm	0.5112 ppm	0.5093 ppm	0.5233 ppm
Concentration per Run 1	0.4938 ppm	0.5178 ppm	0.5021 ppm	10.4012 ppm	0.5138 ppm	0.5065 ppm	0.5245 ppm
Concentration per Run 2	0.5030 ppm	0.5155 ppm	0.4958 ppm	10.3378 ppm	0.5061 ppm	0.5129 ppm	0.5188 ppm
Concentration per Run 3	0.5062 ppm	0.5156 ppm	0.5033 ppm	10.4230 ppm	0.5137 ppm	0.5085 ppm	0.5266 ppm
Recovery Percentage 1	100.198 %	103.263 %	100.076 %	103.873 %	102.239 %	101.855 %	104.659 %
Concentration RSD	1.3 %	0.2 %	0.8 %	0.4 %	0.9 %	0.6 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4929 ppm	5.2912 ppm	0.4917 ppm	0.5049 ppm	0.5031 ppm	0.4903 ppm	0.5086 ppm
Concentration per Run 1	0.4899 ppm	5.2912 ppm	0.4920 ppm	0.5065 ppm	0.4861 ppm	0.5025 ppm	0.5087 ppm
Concentration per Run 2	0.4945 ppm	5.2747 ppm	0.4871 ppm	0.5021 ppm	0.5010 ppm	0.4893 ppm	0.5089 ppm
Concentration per Run 3	0.4945 ppm	5.3076 ppm	0.4959 ppm	0.5062 ppm	0.5057 ppm	0.4955 ppm	0.5082 ppm
Recovery Percentage 1	98.589 %	100.784 %	98.336 %	100.988 %	100.613 %	98.067 %	101.720 %
Concentration RSD	0.5 %	0.3 %	0.9 %	0.5 %	0.5 %	1.0 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5114 ppm	105.6482 %	99.7194 %	101.6043 %	103.0212 %	98.8123 %	100.5271 %
Concentration per Run 1	0.5136 ppm	105.8241 %	100.1096 %	101.3985 %	103.5970 %	99.1952 %	100.1922 %
Concentration per Run 2	0.5065 ppm	105.8334 %	100.9049 %	101.6816 %	102.6287 %	100.0712 %	100.1910 %
Concentration per Run 3	0.5141 ppm	105.2870 %	98.1437 %	101.7327 %	102.8378 %	97.1704 %	101.1981 %
Recovery Percentage 1	102.277 %						
Concentration RSD	0.8 %	0.3 %	1.4 %	0.2 %	0.5 %	1.5 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/11/2025 10:22:07 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0021 ppm	-0.0206 ppm	-0.0054 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 1	-0.0023 ppm	-0.0316 ppm	-0.0039 ppm	-0.0016 ppm	-0.0001 ppm	0.0000 ppm	0.0062 ppm
Concentration per Run 2	-0.0016 ppm	-0.0231 ppm	-0.0060 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 3	-0.0024 ppm	-0.0073 ppm	-0.0062 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	-0.0028 ppm
Recovery Percentage 1	-30.013 %	-20.644 %	-107.495 %	-0.922 %	-0.954 %	-0.157 %	2.059 %
Concentration RSD	20.1 %	59.7 %	23.9 %	429.8 %	46.4 %	713.4 %	220.6 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0000 ppm	-0.0013 ppm	-0.0014 ppm	0.0000 ppm
Concentration per Run 1	0.0002 ppm	-0.0018 ppm	0.0002 ppm	-0.0005 ppm	-0.0024 ppm	-0.0063 ppm	0.0008 ppm
Concentration per Run 2	-0.0004 ppm	0.0009 ppm	0.0008 ppm	0.0010 ppm	-0.0006 ppm	-0.0018 ppm	0.0003 ppm
Concentration per Run 3	-0.0004 ppm	0.0010 ppm	0.0010 ppm	-0.0004 ppm	-0.0010 ppm	0.0039 ppm	-0.0010 ppm
Recovery Percentage 1	-4.022 %	0.167 %	6.948 %	0.324 %	-2.640 %	-0.056 %	0.857 %
Concentration RSD	174.2 %	4.726.1 %	59.5 %	2.655.5 %	70.3 %	361.5 %	2,125.0 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0123 ppm	0.0000 ppm	0.0025 ppm	0.0087 ppm	-0.0011 ppm	0.0059 ppm	0.0074 ppm
Concentration per Run 1	0.0151 ppm	0.0000 ppm	0.0023 ppm	0.0120 ppm	-0.0019 ppm	0.0040 ppm	0.0100 ppm
Concentration per Run 2	0.0153 ppm	-0.0002 ppm	0.0025 ppm	0.0066 ppm	-0.0009 ppm	0.0068 ppm	0.0139 ppm
Concentration per Run 3	0.0064 ppm	0.0003 ppm	0.0026 ppm	0.0075 ppm	-0.0005 ppm	0.0070 ppm	-0.0016 ppm
Recovery Percentage 1	12.276 %	0.378 %	4.938 %	0.436 %	-4.462 %	59.146 %	14.881 %
Concentration RSD	411.6 %	574.6 %	5.4 %	33.0 %	65.8 %	28.8 %	108.2 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0067 ppm	-0.0082 ppm	-0.0020 ppm	-0.0001 ppm	0.0016 ppm	-0.0026 ppm	0.0005 ppm
Concentration per Run 1	0.0093 ppm	-0.0109 ppm	-0.0023 ppm	0.0000 ppm	0.0021 ppm	-0.0043 ppm	0.0002 ppm
Concentration per Run 2	0.0066 ppm	-0.0053 ppm	-0.0022 ppm	-0.0002 ppm	0.0012 ppm	0.0016 ppm	0.0004 ppm
Concentration per Run 3	0.0041 ppm	-0.0083 ppm	-0.0016 ppm	0.0001 ppm	0.0015 ppm	-0.0050 ppm	0.0008 ppm
Recovery Percentage 1	66.514 %	-1.638 %	-4.092 %	-0.510 %	15.829 %	-12.845 %	4.883 %
Concentration RSD	39.2 %	33.8 %	17.4 %	228.7 %	28.7 %	141.4 %	58.3 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.0004 ppm	104.0918 %	97.4491 %	99.5521 %	102.1373 %	97.8030 %	99.9959 %
Concentration per Run 1	0.0007 ppm	103.4196 %	98.4564 %	99.9307 %	102.0989 %	98.6580 %	100.6275 %
Concentration per Run 2	0.0002 ppm	105.4652 %	97.0114 %	99.6912 %	101.9975 %	97.1889 %	100.0718 %
Concentration per Run 3	0.0002 ppm	103.3908 %	96.8796 %	99.0344 %	102.3154 %	97.5621 %	99.2883 %
Recovery Percentage 1	7.727 %	1.1 %	0.9 %	0.5 %	0.2 %	0.8 %	0.7 %
Concentration RSD	80.4 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113302-1 WG2113302

Analysis started at: 9/11/2025 10:29:41 AM

Rack 2

Vial 35

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0020 ppm	-0.0097 ppm	-0.0027 ppm	0.0021 ppm	-0.0001 ppm	-0.0001 ppm	0.0041 ppm
Concentration per Run 1	-0.0019 ppm	-0.0019 ppm	-0.0017 ppm	0.0028 ppm	0.0000 ppm	0.0000 ppm	0.0024 ppm
Concentration per Run 2	-0.0021 ppm	-0.0106 ppm	-0.0038 ppm	0.0029 ppm	-0.0001 ppm	-0.0001 ppm	0.0062 ppm
Concentration per Run 3	-0.0020 ppm	-0.0096 ppm	-0.0027 ppm	0.0005 ppm	-0.0003 ppm	-0.0001 ppm	0.0036 ppm
Recovery Percentage 1	-28.497 %	-9.740 %	-54.790 %	6.911 %	-1.250 %	-1.506 %	4.061 %
Concentration RSD	4.7 %	8.3 %	37.9 %	65.3 %	104.5 %	81.2 %	48.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0008 ppm	0.0005 ppm	0.0002 ppm	-0.0006 ppm	0.0171 ppm	0.0004 ppm
Concentration per Run 1	0.0004 ppm	-0.0002 ppm	0.0001 ppm	0.0011 ppm	-0.0006 ppm	0.0202 ppm	0.0003 ppm
Concentration per Run 2	-0.0001 ppm	0.0008 ppm	0.0000 ppm	0.0006 ppm	-0.0028 ppm	0.0105 ppm	0.0010 ppm
Concentration per Run 3	-0.0002 ppm	0.0018 ppm	-0.0009 ppm	-0.0009 ppm	0.0015 ppm	0.0207 ppm	-0.0002 ppm
Recovery Percentage 1	0.805 %	3.944 %	2.455 %	423.1 %	-1.215 %	0.685 %	7.393 %
Concentration RSD	740.2 %	127.1 %	163.2 %	423.1 %	353.0 %	33.3 %	156.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0142 ppm	0.0001 ppm	-0.0001 ppm	133.6026 ppm	-0.0014 ppm	0.0053 ppm	0.0054 ppm
Concentration per Run 1	0.0129 ppm	0.0004 ppm	-0.0006 ppm	133.5564 ppm	-0.0004 ppm	0.0072 ppm	0.0066 ppm
Concentration per Run 2	0.0129 ppm	0.0000 ppm	-0.0003 ppm	133.6930 ppm	-0.0015 ppm	0.0043 ppm	0.0026 ppm
Concentration per Run 3	0.0168 ppm	-0.0002 ppm	0.0005 ppm	133.5584 ppm	-0.0023 ppm	0.0043 ppm	0.0071 ppm
Recovery Percentage 1	14.171 %	0.577 %	-0.236 %	6.680.130 %	-5.695 %	52.548 %	10.828 %
Concentration RSD	15.9 %	502.9 %	448.6 %	0.1 %	67.3 %	32.1 %	45.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0057 ppm	0.0235 ppm	0.0025 ppm	0.0000 ppm	0.0015 ppm	0.0010 ppm	0.0010 ppm
Concentration per Run 1	0.0084 ppm	0.0212 ppm	0.0036 ppm	0.0000 ppm	0.0009 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run 2	0.0043 ppm	0.0205 ppm	0.0034 ppm	0.0000 ppm	0.0024 ppm	0.0025 ppm	0.0021 ppm
Concentration per Run 3	0.0045 ppm	0.0288 ppm	0.0006 ppm	0.0001 ppm	0.0014 ppm	-0.0005 ppm	0.0006 ppm
Recovery Percentage 1	57.224 %	4.695 %	5.063 %	0.323 %	15.331 %	5.156 %	10.406 %
Concentration RSD	40.0 %	19.6 %	67.0 %	152.2 %	48.7 %	147.6 %	87.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0037 ppm	106.8827 %	98.1493 %	102.7467 %	104.3196 %	96.6581 %	101.9799 %
Concentration per Run 1	-0.0037 ppm	107.7417 %	97.6729 %	102.3690 %	104.6567 %	96.3899 %	101.5178 %
Concentration per Run 2	-0.0040 ppm	105.9623 %	98.4536 %	103.5337 %	103.6842 %	96.9771 %	102.0743 %
Concentration per Run 3	-0.0034 ppm	106.9442 %	98.3214 %	102.3374 %	104.6180 %	96.6074 %	102.3475 %
Recovery Percentage 1	-74.168 %	0.8 %	0.4 %	0.7 %	0.5 %	0.3 %	0.4 %
Concentration RSD	9.0 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113302-2 WG2113302

Analysis started at: 9/11/2025 10:33:03 AM

Rack 2

Vial 36

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0478 ppm	1.9872 ppm	0.1118 ppm	0.9650 ppm	1.9640 ppm	0.0493 ppm	10.0719 ppm
Concentration per Run 1	0.0469 ppm	1.9966 ppm	0.1140 ppm	0.9774 ppm	1.9559 ppm	0.0492 ppm	10.0765 ppm
Concentration per Run 2	0.0487 ppm	1.9866 ppm	0.1134 ppm	0.9697 ppm	1.9708 ppm	0.0494 ppm	10.0988 ppm
Concentration per Run 3	0.0477 ppm	1.9784 ppm	0.1080 ppm	0.9511 ppm	1.9653 ppm	0.0494 ppm	10.0406 ppm
Concentration RSD	1.9 %	0.5 %	2.9 %	1.4 %	0.4 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0525 ppm	0.4904 ppm	0.1963 ppm	0.2446 ppm	0.9743 ppm	10.0343 ppm	0.0007 ppm
Concentration per Run 1	0.0532 ppm	0.4928 ppm	0.1978 ppm	0.2466 ppm	0.9708 ppm	9.9690 ppm	0.0000 ppm
Concentration per Run 2	0.0525 ppm	0.4921 ppm	0.1973 ppm	0.2447 ppm	0.9801 ppm	10.0618 ppm	0.0008 ppm
Concentration per Run 3	0.0517 ppm	0.4862 ppm	0.1939 ppm	0.2424 ppm	0.9719 ppm	10.0721 ppm	0.0015 ppm
Concentration RSD	1.5 %	0.7 %	1.1 %	0.9 %	0.5 %	0.6 %	109.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.6745 ppm	0.5038 ppm	0.9825 ppm	10.0589 ppm	0.4934 ppm	0.5117 ppm	0.5098 ppm
Concentration per Run 1	9.6864 ppm	0.5035 ppm	0.9827 ppm	9.9737 ppm	0.5001 ppm	0.5178 ppm	0.5148 ppm
Concentration per Run 2	9.6743 ppm	0.5042 ppm	0.9858 ppm	10.0399 ppm	0.4922 ppm	0.5101 ppm	0.5141 ppm
Concentration per Run 3	9.6629 ppm	0.5038 ppm	0.9792 ppm	10.1633 ppm	0.4880 ppm	0.5071 ppm	0.5006 ppm
Concentration RSD	0.1 %	0.1 %	0.3 %	1.0 %	1.2 %	1.1 %	1.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1150 ppm	0.6945 ppm	0.9570 ppm	0.9656 ppm	0.9827 ppm	0.1114 ppm	0.5071 ppm
Concentration per Run 1	0.1145 ppm	0.6938 ppm	0.9676 ppm	0.9604 ppm	0.9881 ppm	0.1148 ppm	0.5097 ppm
Concentration per Run 2	0.1182 ppm	0.6987 ppm	0.9557 ppm	0.9708 ppm	0.9847 ppm	0.1094 ppm	0.5077 ppm
Concentration per Run 3	0.1123 ppm	0.6910 ppm	0.9476 ppm	0.9656 ppm	0.9754 ppm	0.1101 ppm	0.5040 ppm
Concentration RSD	2.6 %	0.6 %	1.1 %	0.5 %	0.7 %	2.6 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5011 ppm	104.1410 %	98.1627 %	100.3353 %	101.8147 %	97.1651 %	99.6456 %
Concentration per Run 1	0.5072 ppm	103.5633 %	98.7583 %	99.8504 %	101.2429 %	97.8615 %	99.5078 %
Concentration per Run 2	0.5003 ppm	103.0782 %	97.7893 %	100.2774 %	101.4226 %	97.0368 %	99.9653 %
Concentration per Run 3	0.4958 ppm	105.7814 %	97.9406 %	100.8783 %	102.7786 %	96.5969 %	99.4638 %
Concentration RSD	1.1 %	1.4 %	0.5 %	0.5 %	0.8 %	0.7 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556217-01 WG2113302

Analysis started at: 9/11/2025 10:36:20 AM

Rack 2

Vial 37

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0020 ppm	0.0009 ppm	-0.0020 ppm	0.0049 ppm	0.0294 ppm	0.0001 ppm	2.4847 ppm
Concentration per Run 1	-0.0018 ppm	-0.0058 ppm	-0.0018 ppm	0.0053 ppm	0.0294 ppm	0.0001 ppm	2.5032 ppm
Concentration per Run 2	-0.0031 ppm	-0.0027 ppm	-0.0031 ppm	0.0034 ppm	0.0294 ppm	0.0001 ppm	2.4782 ppm
Concentration per Run 3	-0.0011 ppm	0.0110 ppm	0.0026 ppm	0.0060 ppm	0.0293 ppm	0.0000 ppm	2.4726 ppm
Concentration RSD	51.1 %	1.0362 %	200.3 %	27.7 %	0.1 %	29.8 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0002 ppm	0.0084 ppm	0.1495 ppm	0.0014 ppm
Concentration per Run 1	0.0001 ppm	0.0023 ppm	0.0002 ppm	0.0007 ppm	0.0092 ppm	0.1582 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0003 ppm	0.0088 ppm	0.1356 ppm	0.0014 ppm
Concentration per Run 3	-0.0003 ppm	-0.0012 ppm	0.0006 ppm	-0.0004 ppm	0.0071 ppm	0.1547 ppm	0.0008 ppm
Concentration RSD	200.3 %	373.9 %	187.1 %	277.6 %	13.2 %	8.1 %	37.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.5209 ppm	0.1441 ppm	0.0031 ppm	129.1529 ppm	0.0024 ppm	0.0024 ppm	0.0081 ppm
Concentration per Run 1	1.5148 ppm	0.1443 ppm	0.0038 ppm	130.3992 ppm	0.0026 ppm	0.0029 ppm	0.0106 ppm
Concentration per Run 2	1.5038 ppm	0.1441 ppm	0.0022 ppm	128.3769 ppm	-0.0009 ppm	0.0031 ppm	0.0065 ppm
Concentration per Run 3	1.5441 ppm	0.1438 ppm	0.0033 ppm	128.6827 ppm	-0.0005 ppm	0.0014 ppm	0.0072 ppm
Concentration RSD	1.4 %	0.2 %	25.3 %	0.8 %	487.2 %	38.2 %	27.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0052 ppm	0.2997 ppm	-0.0018 ppm	0.0117 ppm	0.0028 ppm	-0.0037 ppm	0.0008 ppm
Concentration per Run 1	0.0069 ppm	0.3004 ppm	-0.0012 ppm	0.0117 ppm	0.0022 ppm	-0.0027 ppm	0.0011 ppm
Concentration per Run 2	0.0012 ppm	0.2957 ppm	0.0000 ppm	0.0117 ppm	0.0035 ppm	-0.0028 ppm	0.0009 ppm
Concentration per Run 3	0.0073 ppm	0.3030 ppm	-0.0040 ppm	0.0117 ppm	0.0028 ppm	-0.0056 ppm	0.0005 ppm
Concentration RSD	67.2 %	1.2 %	117.6 %	0.3 %	22.3 %	45.1 %	33.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0020 ppm	107.1508 %	98.5052 %	102.5914 %	104.9303 %	97.1552 %	101.9304 %
Concentration per Run 1	-0.0021 ppm	107.2560 %	98.7063 %	103.0538 %	105.1269 %	98.0204 %	102.6475 %
Concentration per Run 2	-0.0022 ppm	107.6511 %	97.9040 %	103.2967 %	105.1081 %	96.1035 %	101.7322 %
Concentration per Run 3	-0.0018 ppm	106.5452 %	98.9054 %	101.4238 %	104.5559 %	97.3418 %	101.4116 %
Concentration RSD	9.8 %	0.5 %	0.5 %	1.0 %	0.3 %	1.0 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113302-3 WG2113302

Analysis started at: 9/11/2025 10:39:35 AM

Rack 2

Vial 38

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0469 ppm	1.9792 ppm	0.1122 ppm	0.9559 ppm	1.9608 ppm	0.0494 ppm	12.5331 ppm
Concentration per Run 1	0.0479 ppm	1.9788 ppm	0.1132 ppm	0.9528 ppm	1.9643 ppm	0.0494 ppm	12.5766 ppm
Concentration per Run 2	0.0468 ppm	1.9792 ppm	0.1145 ppm	0.9629 ppm	1.9480 ppm	0.0491 ppm	12.5188 ppm
Concentration per Run 3	0.0459 ppm	1.9794 ppm	0.1090 ppm	0.9522 ppm	1.9700 ppm	0.0496 ppm	12.5039 ppm
Concentration RSD	2.1 %	0.0 %	2.6 %	0.6 %	0.6 %	0.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0515 ppm	0.4871 ppm	0.1957 ppm	0.2520 ppm	0.9776 ppm	10.0551 ppm	0.0010 ppm
Concentration per Run 1	0.0513 ppm	0.4861 ppm	0.1955 ppm	0.2523 ppm	0.9807 ppm	10.0642 ppm	-0.0006 ppm
Concentration per Run 2	0.0516 ppm	0.4879 ppm	0.1957 ppm	0.2522 ppm	0.9711 ppm	10.0232 ppm	0.0018 ppm
Concentration per Run 3	0.0517 ppm	0.4872 ppm	0.1959 ppm	0.2516 ppm	0.9808 ppm	10.0779 ppm	0.0020 ppm
Concentration RSD	0.4 %	0.2 %	0.1 %	0.1 %	0.6 %	0.3 %	138.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.0727 ppm	0.6360 ppm	0.9777 ppm	139.0970 ppm	0.4857 ppm	0.5113 ppm	0.4901 ppm
Concentration per Run 1	11.0749 ppm	0.6371 ppm	0.9728 ppm	139.9249 ppm	0.4893 ppm	0.5111 ppm	0.4918 ppm
Concentration per Run 2	11.0766 ppm	0.6325 ppm	0.9789 ppm	138.6424 ppm	0.4857 ppm	0.5125 ppm	0.4882 ppm
Concentration per Run 3	11.0667 ppm	0.6382 ppm	0.9813 ppm	138.7236 ppm	0.4820 ppm	0.5103 ppm	0.4902 ppm
Concentration RSD	0.0 %	0.5 %	0.5 %	0.5 %	0.7 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1157 ppm	0.9926 ppm	0.9471 ppm	0.9612 ppm	0.9767 ppm	0.1116 ppm	0.5007 ppm
Concentration per Run 1	0.1135 ppm	0.9906 ppm	0.9420 ppm	0.9620 ppm	0.9772 ppm	0.1082 ppm	0.5024 ppm
Concentration per Run 2	0.1169 ppm	0.9945 ppm	0.9543 ppm	0.9541 ppm	0.9775 ppm	0.1119 ppm	0.4997 ppm
Concentration per Run 3	0.1169 ppm	0.9926 ppm	0.9449 ppm	0.9675 ppm	0.9754 ppm	0.1147 ppm	0.5000 ppm
Concentration RSD	1.7 %	0.2 %	0.7 %	0.7 %	0.1 %	2.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4860 ppm	106.5015 %	98.4911 %	102.2690 %	103.9336 %	97.2104 %	101.4883 %
Concentration per Run 1	0.4850 ppm	106.8642 %	98.3638 %	102.3375 %	103.7496 %	97.3397 %	101.6088 %
Concentration per Run 2	0.4879 ppm	106.0552 %	98.8881 %	101.4797 %	103.7505 %	97.3274 %	100.8929 %
Concentration per Run 3	0.4852 ppm	106.5852 %	98.2215 %	102.9897 %	104.3008 %	96.9640 %	101.9631 %
Concentration RSD	0.3 %	0.4 %	0.4 %	0.7 %	0.3 %	0.2 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113302-4.WG2113302

Analysis started at: 9/11/2025 10:42:51 AM

Rack 2

Vial 39

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0016 ppm	0.0030 ppm	-0.0021 ppm	0.0049 ppm	0.0287 ppm	0.0000 ppm	2.4210 ppm
Concentration per Run 1	-0.0017 ppm	0.0140 ppm	-0.0036 ppm	0.0040 ppm	0.0284 ppm	0.0001 ppm	2.4324 ppm
Concentration per Run 2	-0.0014 ppm	-0.0026 ppm	-0.0018 ppm	0.0047 ppm	0.0288 ppm	0.0000 ppm	2.4177 ppm
Concentration per Run 3	-0.0018 ppm	-0.0024 ppm	-0.0010 ppm	0.0061 ppm	0.0287 ppm	0.0000 ppm	2.4128 ppm
Concentration RSD	15.1 %	318.0 %	62.9 %	21.8 %	0.7 %	109.3 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0008 ppm	0.0007 ppm	0.0007 ppm	0.0456 ppm	0.1550 ppm	0.0012 ppm
Concentration per Run 1	-0.0006 ppm	-0.0005 ppm	0.0001 ppm	0.0002 ppm	0.0466 ppm	0.1605 ppm	0.0013 ppm
Concentration per Run 2	-0.0003 ppm	-0.0010 ppm	0.0013 ppm	0.0012 ppm	0.0456 ppm	0.1419 ppm	0.0002 ppm
Concentration per Run 3	-0.0003 ppm	-0.0008 ppm	0.0007 ppm	0.0009 ppm	0.0446 ppm	0.1627 ppm	0.0020 ppm
Concentration RSD	42.9 %	36.1 %	88.8 %	69.5 %	2.2 %	7.4 %	78.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.4817 ppm	0.1409 ppm	0.0026 ppm	127.5205 ppm	-0.0010 ppm	0.0036 ppm	0.0058 ppm
Concentration per Run 1	1.4788 ppm	0.1413 ppm	0.0020 ppm	127.3322 ppm	-0.0011 ppm	0.0021 ppm	0.0052 ppm
Concentration per Run 2	1.4826 ppm	0.1407 ppm	0.0029 ppm	128.0740 ppm	-0.0016 ppm	0.0023 ppm	0.0057 ppm
Concentration per Run 3	1.4836 ppm	0.1406 ppm	0.0029 ppm	127.1553 ppm	-0.0002 ppm	0.0064 ppm	0.0066 ppm
Concentration RSD	0.2 %	0.3 %	20.5 %	0.4 %	71.0 %	67.5 %	11.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0060 ppm	0.2900 ppm	0.0010 ppm	0.0114 ppm	0.0019 ppm	-0.0009 ppm	0.0010 ppm
Concentration per Run 1	0.0078 ppm	0.2926 ppm	0.0006 ppm	0.0115 ppm	0.0011 ppm	-0.0009 ppm	0.0014 ppm
Concentration per Run 2	0.0062 ppm	0.2887 ppm	0.0008 ppm	0.0113 ppm	0.0021 ppm	-0.0052 ppm	0.0009 ppm
Concentration per Run 3	0.0039 ppm	0.2885 ppm	0.0015 ppm	0.0115 ppm	0.0024 ppm	0.0033 ppm	0.0008 ppm
Concentration RSD	32.6 %	0.8 %	46.2 %	0.8 %	35.5 %	455.3 %	31.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0031 ppm	106.8825 %	97.7290 %	102.9650 %	104.5011 %	96.6157 %	102.5425 %
Concentration per Run 1	-0.0030 ppm	107.2589 %	97.7084 %	102.5868 %	105.4106 %	96.4716 %	102.0416 %
Concentration per Run 2	-0.0033 ppm	106.9349 %	97.9367 %	102.5543 %	104.1004 %	96.8434 %	102.3765 %
Concentration per Run 3	-0.0032 ppm	106.4539 %	97.5417 %	103.7539 %	103.9924 %	96.5322 %	103.2094 %
Concentration RSD	4.8 %	0.4 %	0.2 %	0.7 %	0.8 %	0.2 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556217-02 WG2113302

Analysis started at: 9/11/2025 10:46:07 AM

Rack 2

Vial 40

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0010 ppm	-0.0035 ppm	-0.0029 ppm	0.0015 ppm	0.0333 ppm	0.0001 ppm	3.4420 ppm
Concentration per Run 1	-0.0011 ppm	-0.0093 ppm	-0.0020 ppm	0.0035 ppm	0.0329 ppm	0.0001 ppm	3.4100 ppm
Concentration per Run 2	0.0001 ppm	0.0063 ppm	-0.0035 ppm	0.0009 ppm	0.0334 ppm	0.0001 ppm	3.4656 ppm
Concentration per Run 3	-0.0021 ppm	-0.0076 ppm	-0.0033 ppm	0.0001 ppm	0.0335 ppm	0.0001 ppm	3.4506 ppm
Concentration RSD	108.1 %	243.6 %	28.8 %	115.5 %	0.9 %	21.0 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0005 ppm	0.0013 ppm	0.0008 ppm	0.0034 ppm	0.2495 ppm	0.0011 ppm
Concentration per Run 1	-0.0001 ppm	-0.0010 ppm	0.0012 ppm	0.0000 ppm	0.0043 ppm	0.0017 ppm	0.0017 ppm
Concentration per Run 2	-0.0002 ppm	0.0007 ppm	0.0012 ppm	0.0022 ppm	0.0024 ppm	0.2362 ppm	0.0018 ppm
Concentration per Run 3	-0.0004 ppm	-0.0013 ppm	0.0016 ppm	0.0001 ppm	0.0035 ppm	0.2566 ppm	-0.0001 ppm
Concentration RSD	63.4 %	195.0 %	19.6 %	154.9 %	28.0 %	4.6 %	95.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.9449 ppm	0.0138 ppm	-0.0002 ppm	131.1137 ppm	0.0013 ppm	0.0034 ppm	0.0039 ppm
Concentration per Run 1	1.9348 ppm	0.0138 ppm	0.0006 ppm	129.7882 ppm	-0.0018 ppm	0.0029 ppm	0.0016 ppm
Concentration per Run 2	1.9483 ppm	0.0137 ppm	0.0002 ppm	132.0717 ppm	0.0018 ppm	0.0046 ppm	0.0114 ppm
Concentration per Run 3	1.9516 ppm	0.0140 ppm	-0.0013 ppm	131.4812 ppm	0.0040 ppm	0.0028 ppm	-0.0014 ppm
Concentration RSD	0.5 %	1.1 %	489.9 %	0.9 %	218.4 %	29.1 %	174.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0050 ppm	0.2163 ppm	0.0007 ppm	0.0148 ppm	0.0015 ppm	0.0023 ppm	0.0001 ppm
Concentration per Run 1	0.0063 ppm	0.2115 ppm	-0.0002 ppm	0.0145 ppm	0.0016 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run 2	0.0063 ppm	0.2154 ppm	0.0013 ppm	0.0149 ppm	0.0013 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run 3	0.0024 ppm	0.2219 ppm	0.0011 ppm	0.0148 ppm	0.0017 ppm	0.0042 ppm	-0.0003 ppm
Concentration RSD	44.6 %	2.4 %	108.8 %	1.3 %	15.3 %	74.5 %	544.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0013 ppm	106.0507 %	106.0489 %	96.2290 %	104.0734 %	95.3960 %	101.5602 %
Concentration per Run 1	-0.0010 ppm	106.0489 %	106.0489 %	96.5507 %	102.0843 %	95.2561 %	101.5951 %
Concentration per Run 2	-0.0013 ppm	106.8002 %	106.8002 %	96.0816 %	104.4494 %	95.5464 %	100.9554 %
Concentration per Run 3	-0.0016 ppm	105.3030 %	105.3030 %	96.0548 %	103.7807 %	95.3856 %	102.1301 %
Concentration RSD	24.1 %	0.7 %	0.3 %	0.4 %	0.3 %	0.2 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556217-05 WG2113302

Analysis started at: 9/11/2025 10:49:23 AM

Rack 2

Vial 41

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0013 ppm	-0.0004 ppm	-0.0012 ppm	0.0041 ppm	0.0398 ppm	0.0000 ppm	2.4971 ppm
Concentration per Run 1	-0.0007 ppm	-0.0017 ppm	0.0005 ppm	0.0026 ppm	0.0397 ppm	0.0000 ppm	2.5064 ppm
Concentration per Run 2	-0.0017 ppm	0.0025 ppm	-0.0019 ppm	0.0029 ppm	0.0400 ppm	0.0000 ppm	2.4972 ppm
Concentration per Run 3	-0.0017 ppm	-0.0020 ppm	-0.0021 ppm	0.0067 ppm	0.0397 ppm	0.0000 ppm	2.4879 ppm
Concentration RSD	43.2 %	688.3 %	121.3 %	55.1 %	0.4 %	421.8 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0031 ppm	0.0006 ppm	0.0006 ppm	0.0068 ppm	0.1328 ppm	0.0008 ppm
Concentration per Run 1	0.0001 ppm	0.0040 ppm	0.0010 ppm	0.0014 ppm	0.0069 ppm	0.1466 ppm	0.0004 ppm
Concentration per Run 2	-0.0003 ppm	0.0019 ppm	0.0002 ppm	0.0002 ppm	0.0054 ppm	0.1363 ppm	0.0002 ppm
Concentration per Run 3	0.0005 ppm	0.0033 ppm	0.0007 ppm	0.0001 ppm	0.0080 ppm	0.1155 ppm	0.0019 ppm
Concentration RSD	408.9 %	35.3 %	61.7 %	130.2 %	19.0 %	11.9 %	111.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.3383 ppm	0.6018 ppm	-0.0005 ppm	132.6835 ppm	0.0008 ppm	0.0015 ppm	0.0020 ppm
Concentration per Run 1	1.3419 ppm	0.6026 ppm	-0.0002 ppm	131.6947 ppm	0.0018 ppm	0.0011 ppm	0.0022 ppm
Concentration per Run 2	1.3338 ppm	0.6026 ppm	-0.0011 ppm	133.0350 ppm	0.0010 ppm	0.0015 ppm	0.0054 ppm
Concentration per Run 3	1.3391 ppm	0.6001 ppm	-0.0003 ppm	133.3208 ppm	-0.0004 ppm	0.0019 ppm	-0.0015 ppm
Concentration RSD	0.3 %	0.2 %	91.4 %	0.7 %	144.5 %	25.8 %	173.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0037 ppm	0.3305 ppm	-0.0013 ppm	0.0124 ppm	0.0016 ppm	-0.0043 ppm	0.0008 ppm
Concentration per Run 1	0.0041 ppm	0.3284 ppm	0.0011 ppm	0.0123 ppm	0.0014 ppm	-0.0062 ppm	0.0008 ppm
Concentration per Run 2	0.0032 ppm	0.3305 ppm	-0.0030 ppm	0.0124 ppm	0.0016 ppm	-0.0010 ppm	0.0008 ppm
Concentration per Run 3	0.0037 ppm	0.3326 ppm	-0.0020 ppm	0.0124 ppm	0.0018 ppm	-0.0058 ppm	0.0009 ppm
Concentration RSD	11.9 %	0.6 %	168.5 %	0.7 %	12.3 %	67.7 %	8.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0026 ppm	105.7013 %	96.7449 %	102.2293 %	103.2525 %	95.5510 %	101.1706 %
Concentration per Run 1	-0.0024 ppm	105.7603 %	96.9724 %	101.6642 %	102.8120 %	96.1234 %	100.5592 %
Concentration per Run 2	-0.0024 ppm	105.2159 %	96.7759 %	102.6313 %	102.8841 %	95.4751 %	101.4603 %
Concentration per Run 3	-0.0029 ppm	106.1276 %	96.4865 %	102.3924 %	104.0615 %	95.0544 %	101.4924 %
Concentration RSD	12.7 %	0.4 %	0.3 %	0.5 %	0.7 %	0.6 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556217-06 WG2113302

Analysis started at: 9/11/2025 10:52:38 AM

Rack 2

Vial 42

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0013 ppm	0.0053 ppm	0.0006 ppm	0.0019 ppm	0.0313 ppm	0.0001 ppm	3.1128 ppm
Concentration per Run 1	-0.0023 ppm	0.0061 ppm	0.0011 ppm	0.0014 ppm	0.0312 ppm	0.0001 ppm	3.1193 ppm
Concentration per Run 2	-0.0007 ppm	0.0172 ppm	0.0011 ppm	0.0021 ppm	0.0315 ppm	0.0001 ppm	3.1135 ppm
Concentration per Run 3	-0.0009 ppm	-0.0075 ppm	0.0004 ppm	0.0022 ppm	0.0312 ppm	0.0000 ppm	3.1055 ppm
Concentration RSD	65.0 %	234.2 %	88.4 %	23.9 %	0.6 %	55.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0011 ppm	0.0006 ppm	0.0010 ppm	0.0047 ppm	0.2393 ppm	0.0013 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0010 ppm	0.0036 ppm	0.2361 ppm	0.0009 ppm
Concentration per Run 2	-0.0002 ppm	-0.0027 ppm	0.0010 ppm	0.0012 ppm	0.0052 ppm	0.2526 ppm	0.0012 ppm
Concentration per Run 3	0.0000 ppm	-0.0006 ppm	0.0009 ppm	0.0007 ppm	0.0052 ppm	0.2294 ppm	0.0019 ppm
Concentration RSD	63.9 %	135.0 %	122.8 %	28.8 %	20.4 %	5.0 %	39.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.0808 ppm	0.0227 ppm	-0.0008 ppm	128.3751 ppm	-0.0003 ppm	0.0019 ppm	0.0037 ppm
Concentration per Run 1	2.0879 ppm	0.0226 ppm	-0.0001 ppm	128.7171 ppm	0.0007 ppm	0.0014 ppm	0.0052 ppm
Concentration per Run 2	2.0743 ppm	0.0225 ppm	-0.0013 ppm	128.5291 ppm	0.0009 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run 3	2.0803 ppm	0.0229 ppm	-0.0010 ppm	127.8790 ppm	-0.0024 ppm	0.0043 ppm	0.0042 ppm
Concentration RSD	0.3 %	0.9 %	76.7 %	0.3 %	657.0 %	112.4 %	49.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0061 ppm	0.1936 ppm	-0.0023 ppm	0.0155 ppm	0.0024 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run 1	0.0091 ppm	0.1974 ppm	-0.0016 ppm	0.0155 ppm	0.0034 ppm	0.0004 ppm	0.0008 ppm
Concentration per Run 2	0.0039 ppm	0.1900 ppm	-0.0032 ppm	0.0156 ppm	0.0019 ppm	0.0038 ppm	-0.0001 ppm
Concentration per Run 3	0.0053 ppm	0.1933 ppm	-0.0021 ppm	0.0154 ppm	0.0021 ppm	-0.0067 ppm	0.0003 ppm
Concentration RSD	43.6 %	1.9 %	37.9 %	0.6 %	33.2 %	644.8 %	122.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0015 ppm	105.8396 %	97.3402 %	103.7195 %	96.8413 %	101.6539 %
Concentration per Run 1	-0.0018 ppm	106.0458 %	97.0473 %	103.9670 %	96.7819 %	101.6383 %
Concentration per Run 2	-0.0014 ppm	105.7848 %	98.0537 %	103.3295 %	97.1537 %	101.7050 %
Concentration per Run 3	-0.0014 ppm	105.6883 %	96.9195 %	103.8619 %	96.5883 %	101.6183 %
Concentration RSD	13.8 %	0.2 %	0.6 %	0.2 %	0.3 %	0.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556217-10 WG2113302

Analysis started at: 9/11/2025 10:55:54 AM

Rack 2

Vial 43

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	0.0139 ppm	-0.0046 ppm	0.0047 ppm	0.0358 ppm	0.0000 ppm	2.8893 ppm
Concentration per Run 1	-0.0020 ppm	0.0151 ppm	-0.0022 ppm	0.0076 ppm	0.0358 ppm	0.0000 ppm	2.8819 ppm
Concentration per Run 2	-0.0007 ppm	0.0078 ppm	-0.0065 ppm	0.0039 ppm	0.0358 ppm	0.0000 ppm	2.8945 ppm
Concentration per Run 3	0.0001 ppm	0.0187 ppm	-0.0051 ppm	0.0026 ppm	0.0358 ppm	0.0000 ppm	2.8914 ppm
Concentration RSD	122.7 %	40.3 %	47.9 %	55.3 %	0.0 %	112.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0009 ppm	0.0147 ppm	0.1212 ppm	0.0015 ppm
Concentration per Run 1	-0.0002 ppm	-0.0012 ppm	0.0025 ppm	0.0008 ppm	0.0156 ppm	0.1216 ppm	0.0015 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	-0.0001 ppm	0.0014 ppm	0.0141 ppm	0.1296 ppm	0.0012 ppm
Concentration per Run 3	0.0001 ppm	0.0013 ppm	0.0001 ppm	0.0005 ppm	0.0145 ppm	0.1123 ppm	0.0017 ppm
Concentration RSD	251.8 %	501.1 %	173.2 %	52.4 %	5.2 %	7.2 %	14.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.0905 ppm	0.1166 ppm	-0.0008 ppm	129.9825 ppm	0.0004 ppm	0.0030 ppm	0.0018 ppm
Concentration per Run 1	1.0863 ppm	0.1160 ppm	-0.0006 ppm	129.6150 ppm	0.0018 ppm	0.0032 ppm	0.0067 ppm
Concentration per Run 2	1.0959 ppm	0.1169 ppm	-0.0013 ppm	129.9196 ppm	-0.0021 ppm	0.0020 ppm	-0.0040 ppm
Concentration per Run 3	1.0892 ppm	0.1171 ppm	-0.0005 ppm	130.4129 ppm	0.0013 ppm	0.0037 ppm	0.0028 ppm
Concentration RSD	0.4 %	0.5 %	58.7 %	0.3 %	596.6 %	28.8 %	294.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0060 ppm	0.3021 ppm	-0.0009 ppm	0.0147 ppm	0.0023 ppm	-0.0006 ppm	0.0005 ppm
Concentration per Run 1	0.0038 ppm	0.3024 ppm	0.0024 ppm	0.0147 ppm	0.0019 ppm	-0.0030 ppm	-0.0002 ppm
Concentration per Run 2	0.0048 ppm	0.2977 ppm	-0.0020 ppm	0.0147 ppm	0.0022 ppm	0.0007 ppm	0.0005 ppm
Concentration per Run 3	0.0093 ppm	0.3061 ppm	-0.0031 ppm	0.0147 ppm	0.0028 ppm	0.0005 ppm	0.0013 ppm
Concentration RSD	49.1 %	1.4 %	333.4 %	0.2 %	20.6 %	363.4 %	144.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0012 ppm	107.5890 %	98.0065 %	102.5311 %	105.3747 %	96.9197 %	101.4813 %
Concentration per Run 1	-0.0011 ppm	107.6663 %	99.1819 %	102.8770 %	105.7902 %	97.7618 %	101.7832 %
Concentration per Run 2	-0.0014 ppm	107.7537 %	97.0897 %	101.8451 %	105.3320 %	95.8737 %	101.2642 %
Concentration per Run 3	-0.0011 ppm	107.3468 %	97.7478 %	102.8713 %	105.0018 %	97.1236 %	101.3965 %
Concentration RSD	13.8 %	0.2 %	1.1 %	0.6 %	0.4 %	1.0 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556217-11 WG2113302

Analysis started at: 9/11/2025 10:59:11 AM

Rack 2

Vial 44

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0011 ppm	0.0055 ppm	-0.0011 ppm	0.0198 ppm	0.0348 ppm	0.0001 ppm	2.7542 ppm
Concentration per Run 1	-0.0017 ppm	0.0067 ppm	0.0005 ppm	0.0189 ppm	0.0347 ppm	0.0001 ppm	2.7537 ppm
Concentration per Run 2	-0.0015 ppm	0.0041 ppm	-0.0041 ppm	0.0217 ppm	0.0348 ppm	0.0001 ppm	2.7467 ppm
Concentration per Run 3	-0.0001 ppm	0.0056 ppm	0.0004 ppm	0.0188 ppm	0.0350 ppm	0.0001 ppm	2.7621 ppm
Concentration RSD	77.7 %	24.1 %	243.7 %	8.5 %	0.4 %	19.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0012 ppm	0.0011 ppm	0.0003 ppm	0.0048 ppm	0.0848 ppm	0.0008 ppm
Concentration per Run 1	-0.0006 ppm	0.0013 ppm	0.0012 ppm	0.0000 ppm	0.0049 ppm	0.0809 ppm	0.0008 ppm
Concentration per Run 2	-0.0004 ppm	-0.0001 ppm	0.0004 ppm	0.0014 ppm	0.0053 ppm	0.0949 ppm	0.0005 ppm
Concentration per Run 3	-0.0002 ppm	0.0023 ppm	0.0017 ppm	-0.0005 ppm	0.0041 ppm	0.0788 ppm	0.0013 ppm
Concentration RSD	52.3 %	103.8 %	63.4 %	296.7 %	13.0 %	10.3 %	46.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.9391 ppm	0.0653 ppm	-0.0005 ppm	133.4606 ppm	0.0001 ppm	0.0016 ppm	0.0011 ppm
Concentration per Run 1	1.9344 ppm	0.0651 ppm	0.0007 ppm	132.9651 ppm	-0.0015 ppm	0.0044 ppm	-0.0012 ppm
Concentration per Run 2	1.9428 ppm	0.0655 ppm	-0.0008 ppm	132.9459 ppm	0.0020 ppm	0.0005 ppm	0.0017 ppm
Concentration per Run 3	1.9400 ppm	0.0652 ppm	-0.0015 ppm	134.4707 ppm	-0.0002 ppm	-0.0001 ppm	0.0028 ppm
Concentration RSD	0.2 %	0.4 %	210.9 %	0.7 %	2.3224 %	151.8 %	190.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0054 ppm	0.3107 ppm	-0.0010 ppm	0.0140 ppm	0.0018 ppm	-0.0015 ppm	-0.0002 ppm
Concentration per Run 1	0.0027 ppm	0.3139 ppm	0.0000 ppm	0.0139 ppm	0.0014 ppm	-0.0027 ppm	-0.0003 ppm
Concentration per Run 2	0.0086 ppm	0.3164 ppm	-0.0024 ppm	0.0141 ppm	0.0024 ppm	-0.0006 ppm	0.0007 ppm
Concentration per Run 3	0.0049 ppm	0.3020 ppm	-0.0005 ppm	0.0141 ppm	0.0017 ppm	-0.0013 ppm	-0.0009 ppm
Concentration RSD	55.1 %	2.5 %	126.4 %	0.8 %	28.0 %	69.4 %	420.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0022 ppm	105.9630 %	97.0845 %	102.1788 %	103.9498 %	96.6283 %	101.0158 %
Concentration per Run 1	-0.0019 ppm	105.7924 %	97.1488 %	102.4411 %	103.8247 %	96.7098 %	101.3772 %
Concentration per Run 2	-0.0021 ppm	106.4300 %	97.2017 %	102.7962 %	104.6346 %	96.5852 %	101.6314 %
Concentration per Run 3	-0.0024 ppm	105.6667 %	96.9032 %	101.2990 %	103.3903 %	96.5899 %	100.0389 %
Concentration RSD	12.2 %	0.4 %	0.2 %	0.8 %	0.6 %	0.1 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCV
Analysis started at: 9/11/2025 11:02:27 AM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4871 ppm	0.4829 ppm	0.4851 ppm	0.4903 ppm	0.5052 ppm	0.5152 ppm	0.5098 ppm
Concentration per Run 1	0.4872 ppm	0.4877 ppm	0.4877 ppm	0.4929 ppm	0.5064 ppm	0.5162 ppm	0.5126 ppm
Concentration per Run 2	0.4846 ppm	0.4842 ppm	0.4865 ppm	0.4829 ppm	0.5029 ppm	0.5150 ppm	0.5079 ppm
Concentration per Run 3	0.4896 ppm	0.4806 ppm	0.4812 ppm	0.4950 ppm	0.5061 ppm	0.5144 ppm	0.5089 ppm
Recovery Percentage 1	97.428 %	96.582 %	97.023 %	98.054 %	101.031 %	103.043 %	101.955 %
Concentration RSD	0.5 %	0.4 %	0.7 %	1.3 %	0.4 %	0.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5070 ppm	0.5098 ppm	0.5096 ppm	0.5021 ppm	0.5023 ppm	5.2338 ppm	0.5275 ppm
Concentration per Run 1	0.5045 ppm	0.5077 ppm	0.5087 ppm	0.4995 ppm	0.5036 ppm	5.2151 ppm	0.5279 ppm
Concentration per Run 2	0.5087 ppm	0.5101 ppm	0.5042 ppm	0.5036 ppm	0.5056 ppm	5.2348 ppm	0.5271 ppm
Concentration per Run 3	0.5079 ppm	0.5115 ppm	0.5159 ppm	0.5034 ppm	0.4978 ppm	5.2515 ppm	0.5274 ppm
Recovery Percentage 1	101.405 %	101.951 %	101.917 %	100.428 %	100.465 %	104.676 %	105.491 %
Concentration RSD	0.4 %	0.4 %	1.2 %	0.5 %	0.8 %	0.3 %	0.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4994 ppm	0.5192 ppm	0.5013 ppm	10.3564 ppm	0.5084 ppm	0.5112 ppm	0.5094 ppm
Concentration per Run 1	0.4938 ppm	0.5205 ppm	0.4967 ppm	10.3882 ppm	0.5099 ppm	0.5100 ppm	0.5070 ppm
Concentration per Run 2	0.5027 ppm	0.5183 ppm	0.5029 ppm	10.3526 ppm	0.5035 ppm	0.5094 ppm	0.5111 ppm
Concentration per Run 3	0.5018 ppm	0.5188 ppm	0.5043 ppm	10.3284 ppm	0.5118 ppm	0.5140 ppm	0.5102 ppm
Recovery Percentage 1	99.888 %	103.840 %	100.259 %	103.564 %	101.683 %	102.231 %	101.890 %
Concentration RSD	1.0 %	0.2 %	0.8 %	0.3 %	0.9 %	0.5 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4920 ppm	5.2978 ppm	0.4912 ppm	0.5117 ppm	0.5049 ppm	0.4980 ppm	0.5121 ppm
Concentration per Run 1	0.4880 ppm	5.2560 ppm	0.4936 ppm	0.5145 ppm	0.4956 ppm	0.4956 ppm	0.5104 ppm
Concentration per Run 2	0.4964 ppm	5.3253 ppm	0.4834 ppm	0.5085 ppm	0.5023 ppm	0.4998 ppm	0.5113 ppm
Concentration per Run 3	0.4915 ppm	5.3122 ppm	0.4965 ppm	0.5119 ppm	0.5089 ppm	0.4984 ppm	0.5146 ppm
Recovery Percentage 1	98.395 %	100.911 %	98.230 %	102.331 %	100.988 %	99.592 %	102.425 %
Concentration RSD	0.9 %	0.7 %	1.4 %	0.6 %	0.7 %	0.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5095 ppm	105.5765 %	99.8283 %	101.4497 %	103.3566 %	98.5431 %	100.2158 %
Concentration per Run 1	0.5075 ppm	106.1166 %	99.5125 %	101.7154 %	103.7584 %	98.6391 %	100.3323 %
Concentration per Run 2	0.5049 ppm	106.1500 %	99.9943 %	101.0111 %	103.8187 %	98.5093 %	99.7592 %
Concentration per Run 3	0.5161 ppm	104.4629 %	99.9780 %	101.6226 %	102.4926 %	98.4808 %	100.5558 %
Recovery Percentage 1	101.902 %	0.9 %	0.3 %	0.4 %	0.7 %	0.1 %	0.4 %
Concentration RSD	1.2 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/11/2025 11:05:42 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0006 ppm	-0.0078 ppm	-0.0023 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 1	-0.0009 ppm	-0.0115 ppm	-0.0001 ppm	0.0020 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run 2	-0.0003 ppm	-0.0075 ppm	-0.0022 ppm	-0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 3	-0.0007 ppm	-0.0043 ppm	-0.0043 ppm	0.0015 ppm	0.0000 ppm	0.0001 ppm	-0.0014 ppm
Recovery Percentage 1	-8.565 %	-7.766 %	-46.614 %	2.198 %	0.287 %	0.483 %	-0.410 %
Concentration RSD	49.2 %	46.5 %	100.7 %	283.7 %	74.8 %	265.5 %	255.7 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0000 ppm	-0.0009 ppm	0.0004 ppm	-0.0003 ppm	-0.0018 ppm	-0.0048 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0008 ppm	-0.0008 ppm	-0.0005 ppm	0.0045 ppm	0.0011 ppm
Concentration per Run 2	0.0001 ppm	-0.0014 ppm	-0.0001 ppm	0.0010 ppm	-0.0024 ppm	-0.0305 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0010 ppm	0.0006 ppm	-0.0010 ppm	-0.0024 ppm	0.0117 ppm	0.0007 ppm
Recovery Percentage 1	0.246 %	-4.341 %	4.074 %	-2.676 %	-3.567 %	-0.191 %	8.863 %
Concentration RSD	624.5 %	71.0 %	119.1 %	404.0 %	62.7 %	473.2 %	182.7 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0080 ppm	0.0001 ppm	0.0018 ppm	-0.0039 ppm	-0.0004 ppm	0.0035 ppm	-0.0001 ppm
Concentration per Run 1	0.0113 ppm	0.0003 ppm	0.0018 ppm	-0.0033 ppm	0.0003 ppm	0.0073 ppm	-0.0041 ppm
Concentration per Run 2	0.0105 ppm	0.0001 ppm	0.0024 ppm	-0.0090 ppm	-0.0011 ppm	0.0045 ppm	0.0007 ppm
Concentration per Run 3	0.0022 ppm	-0.0001 ppm	0.0011 ppm	-0.0083 ppm	-0.0004 ppm	-0.0014 ppm	0.0031 ppm
Recovery Percentage 1	7.980 %	0.933 %	3.566 %	-0.443 %	-1.711 %	34.532 %	-0.175 %
Concentration RSD	63.0 %	224.1 %	35.8 %	5.4 %	167.1 %	127.5 %	4.224 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0048 ppm	-0.0128 ppm	0.0002 ppm	0.0001 ppm	0.0021 ppm	0.0013 ppm	0.0005 ppm
Concentration per Run 1	0.0048 ppm	-0.0146 ppm	0.0012 ppm	0.0001 ppm	0.0014 ppm	0.0032 ppm	0.0010 ppm
Concentration per Run 2	0.0038 ppm	-0.0143 ppm	-0.0015 ppm	0.0000 ppm	0.0027 ppm	-0.0031 ppm	-0.0001 ppm
Concentration per Run 3	0.0057 ppm	-0.0094 ppm	0.0010 ppm	0.0000 ppm	0.0023 ppm	0.0040 ppm	0.0005 ppm
Recovery Percentage 1	47.884 %	-2.555 %	0.426 %	0.624 %	21.256 %	6.691 %	4.753 %
Concentration RSD	19.5 %	22.7 %	716.7 %	62.5 %	31.9 %	291.4 %	111.1 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.0002 ppm	102.7661 %	97.0578 %	99.1835 %	101.9182 %	97.2558 %	99.6395 %
Concentration per Run 1	0.0001 ppm	101.9166 %	97.4495 %	99.3819 %	101.7308 %	98.0178 %	99.7877 %
Concentration per Run 2	0.0001 ppm	103.0056 %	96.8620 %	99.3098 %	101.4141 %	97.1576 %	99.5877 %
Concentration per Run 3	0.0004 ppm	103.3761 %	96.8618 %	98.8587 %	102.6098 %	96.5920 %	99.5432 %
Recovery Percentage 1	4.002 %	0.7 %	0.3 %	0.3 %	0.6 %	0.7 %	0.1 %
Concentration RSD	88.8 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556217-14 WG2113302

Analysis started at: 9/11/2025 11:16:18 AM

Rack 2

Vial 45

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0015 ppm	0.0012 ppm	-0.0004 ppm	0.0041 ppm	0.0271 ppm	0.0000 ppm	2.1217 ppm
Concentration per Run 1	-0.0014 ppm	0.0014 ppm	-0.0012 ppm	0.0072 ppm	0.0270 ppm	0.0000 ppm	2.1022 ppm
Concentration per Run 2	-0.0021 ppm	0.0026 ppm	0.0009 ppm	0.0005 ppm	0.0272 ppm	0.0000 ppm	2.1269 ppm
Concentration per Run 3	-0.0009 ppm	-0.0003 ppm	-0.0010 ppm	0.0046 ppm	0.0272 ppm	0.0000 ppm	2.1362 ppm
Concentration RSD	41.4 %	116.7 %	261.1 %	82.5 %	0.4 %	158.0 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0016 ppm	-0.0004 ppm	-0.0002 ppm	0.0041 ppm	0.1617 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	-0.0008 ppm	-0.0009 ppm	0.0033 ppm	0.1458 ppm	-0.0003 ppm
Concentration per Run 2	-0.0001 ppm	-0.0036 ppm	-0.0008 ppm	0.0007 ppm	0.0047 ppm	0.1687 ppm	0.0014 ppm
Concentration per Run 3	0.0000 ppm	-0.0016 ppm	-0.0012 ppm	-0.0004 ppm	0.0043 ppm	0.1706 ppm	-0.0010 ppm
Concentration RSD	115.9 %	129.1 %	272.8 %	400.1 %	16.4 %	8.5 %	4,860.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1079 ppm	0.0354 ppm	-0.0008 ppm	136.3697 ppm	0.0008 ppm	0.0022 ppm	0.0045 ppm
Concentration per Run 1	1.1100 ppm	0.0353 ppm	-0.0001 ppm	135.3164 ppm	-0.0013 ppm	0.0026 ppm	0.0106 ppm
Concentration per Run 2	1.1065 ppm	0.0355 ppm	-0.0008 ppm	136.7869 ppm	0.0016 ppm	0.0003 ppm	-0.0026 ppm
Concentration per Run 3	1.1071 ppm	0.0354 ppm	-0.0016 ppm	137.0057 ppm	0.0021 ppm	0.0036 ppm	0.0055 ppm
Concentration RSD	0.2 %	0.3 %	87.1 %	0.7 %	222.4 %	77.7 %	148.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	0.3059 ppm	-0.0022 ppm	0.0123 ppm	0.0020 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run 1	0.0022 ppm	0.3004 ppm	-0.0015 ppm	0.0123 ppm	0.0023 ppm	0.0021 ppm	-0.0008 ppm
Concentration per Run 2	0.0005 ppm	0.3041 ppm	-0.0010 ppm	0.0122 ppm	0.0013 ppm	-0.0028 ppm	-0.0005 ppm
Concentration per Run 3	0.0038 ppm	0.3132 ppm	-0.0039 ppm	0.0122 ppm	0.0025 ppm	0.0052 ppm	0.0011 ppm
Concentration RSD	77.3 %	2.2 %	72.4 %	0.2 %	30.2 %	270.6 %	1,734.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0031 ppm	106.9915 %	98.7298 %	102.0159 %	104.7368 %	98.1038 %	101.1113 %
Concentration per Run 1	-0.0029 ppm	107.0189 %	98.4088 %	102.0747 %	105.0629 %	97.7168 %	101.5826 %
Concentration per Run 2	-0.0030 ppm	106.9863 %	98.6161 %	101.7750 %	104.6630 %	98.2511 %	100.5189 %
Concentration per Run 3	-0.0036 ppm	106.9693 %	99.1646 %	102.1980 %	104.4844 %	98.3434 %	101.2324 %
Concentration RSD	11.8 %	0.0 %	0.4 %	0.2 %	0.3 %	0.3 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556498-01 WG2113302

Analysis started at: 9/11/2025 11:19:48 AM

Rack 2

Vial 46

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0048 ppm	-0.0009 ppm	0.0042 ppm	0.0715 ppm	-0.0001 ppm	59.0026 ppm
Concentration per Run 1	-0.0004 ppm	-0.0023 ppm	-0.0034 ppm	0.0084 ppm	0.0715 ppm	-0.0001 ppm	59.0029 ppm
Concentration per Run 2	-0.0011 ppm	-0.0045 ppm	-0.0001 ppm	0.0015 ppm	0.0717 ppm	-0.0001 ppm	59.3089 ppm
Concentration per Run 3	0.0004 ppm	-0.0075 ppm	0.0007 ppm	0.0028 ppm	0.0714 ppm	-0.0001 ppm	58.6959 ppm
Concentration RSD	205.3 %	54.8 %	236.2 %	87.8 %	0.2 %	16.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0001 ppm	0.0009 ppm	0.0005 ppm	0.0025 ppm	0.4074 ppm	0.0006 ppm
Concentration per Run 1	0.0005 ppm	0.0006 ppm	0.0016 ppm	-0.0003 ppm	0.0034 ppm	0.4103 ppm	0.0013 ppm
Concentration per Run 2	0.0002 ppm	0.0005 ppm	0.0008 ppm	0.0010 ppm	0.0012 ppm	0.4046 ppm	-0.0003 ppm
Concentration per Run 3	0.0002 ppm	-0.0008 ppm	0.0003 ppm	0.0008 ppm	0.0028 ppm	0.4073 ppm	0.0010 ppm
Concentration RSD	47.4 %	698.4 %	68.0 %	144.7 %	46.2 %	0.7 %	135.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.2969 ppm	0.0457 ppm	-0.0003 ppm	138.5566 ppm	0.0026 ppm	0.0844 ppm	0.0007 ppm
Concentration per Run 1	1.2928 ppm	0.0453 ppm	-0.0005 ppm	138.0072 ppm	0.0029 ppm	0.0856 ppm	0.0052 ppm
Concentration per Run 2	1.3055 ppm	0.0464 ppm	-0.0001 ppm	139.5477 ppm	0.0014 ppm	0.0827 ppm	-0.0050 ppm
Concentration per Run 3	1.2922 ppm	0.0455 ppm	-0.0002 ppm	138.1148 ppm	0.0034 ppm	0.0849 ppm	0.0019 ppm
Concentration RSD	0.6 %	1.3 %	74.4 %	0.6 %	39.5 %	1.8 %	723.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0045 ppm	0.2926 ppm	-0.0022 ppm	0.1115 ppm	0.0012 ppm	-0.0031 ppm	0.0008 ppm
Concentration per Run 1	0.0012 ppm	0.2912 ppm	-0.0010 ppm	0.1114 ppm	0.0014 ppm	-0.0042 ppm	0.0004 ppm
Concentration per Run 2	0.0051 ppm	0.2997 ppm	-0.0017 ppm	0.1120 ppm	0.0008 ppm	0.0006 ppm	0.0007 ppm
Concentration per Run 3	0.0072 ppm	0.2870 ppm	-0.0039 ppm	0.1112 ppm	0.0014 ppm	-0.0056 ppm	0.0013 ppm
Concentration RSD	67.2 %	2.2 %	69.0 %	0.3 %	28.6 %	105.2 %	57.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0602 ppm	107.5010 %	98.6184 %	102.8551 %	104.7682 %	97.5882 %	101.4327 %
Concentration per Run 1	0.0600 ppm	108.1710 %	99.5914 %	103.4145 %	104.9828 %	98.3006 %	101.3934 %
Concentration per Run 2	0.0612 ppm	107.5814 %	97.5814 %	102.6588 %	104.7576 %	97.0451 %	101.1970 %
Concentration per Run 3	0.0594 ppm	106.9674 %	98.6823 %	102.4920 %	104.5642 %	97.4190 %	101.7078 %
Concentration RSD	1.5 %	0.6 %	1.0 %	0.5 %	0.2 %	0.7 %	0.3 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2556498-02 WG2113302

Analysis started at: 9/11/2025 11:23:04 AM

Rack 2

Vial 47

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.0028 ppm	-0.0012 ppm	0.0036 ppm	0.1061 ppm	0.0000 ppm	43.9673 ppm
Concentration per Run 1	-0.0013 ppm	0.0016 ppm	0.0003 ppm	0.0052 ppm	0.1061 ppm	0.0000 ppm	44.1604 ppm
Concentration per Run 2	0.0011 ppm	0.0005 ppm	-0.0022 ppm	0.0050 ppm	0.1064 ppm	0.0000 ppm	44.0938 ppm
Concentration per Run 3	-0.0016 ppm	0.0062 ppm	-0.0018 ppm	0.0066 ppm	0.1058 ppm	-0.0001 ppm	43.6477 ppm
Concentration RSD	240.1 %	109.2 %	108.9 %	15.4 %	0.3 %	105.9 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0009 ppm	0.0007 ppm	0.0013 ppm	0.0058 ppm	0.2208 ppm	0.0015 ppm
Concentration per Run 1	-0.0001 ppm	0.0007 ppm	0.0010 ppm	0.0012 ppm	0.0065 ppm	0.2231 ppm	0.0020 ppm
Concentration per Run 2	0.0002 ppm	0.0014 ppm	0.0011 ppm	0.0011 ppm	0.0044 ppm	0.2239 ppm	0.0008 ppm
Concentration per Run 3	0.0004 ppm	0.0007 ppm	-0.0001 ppm	0.0017 ppm	0.0064 ppm	0.2153 ppm	0.0020 ppm
Concentration RSD	161.1 %	44.4 %	104.9 %	26.4 %	20.0 %	2.2 %	52.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.9371 ppm	0.0601 ppm	-0.0013 ppm	134.7461 ppm	-0.0010 ppm	0.2443 ppm	-0.0078 ppm
Concentration per Run 1	3.9373 ppm	0.0604 ppm	-0.0010 ppm	134.6433 ppm	-0.0023 ppm	0.2490 ppm	-0.0050 ppm
Concentration per Run 2	3.9352 ppm	0.0603 ppm	-0.0005 ppm	134.8700 ppm	0.0019 ppm	0.2410 ppm	-0.0090 ppm
Concentration per Run 3	3.9388 ppm	0.0597 ppm	-0.0023 ppm	134.7251 ppm	-0.0026 ppm	0.2428 ppm	-0.0095 ppm
Concentration RSD	0.0 %	0.7 %	70.7 %	0.1 %	257.0 %	1.7 %	31.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0072 ppm	0.3129 ppm	-0.0006 ppm	0.0748 ppm	0.0023 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run 1	0.0036 ppm	0.3161 ppm	-0.0004 ppm	0.0746 ppm	0.0026 ppm	-0.0005 ppm	-0.0003 ppm
Concentration per Run 2	0.0053 ppm	0.3143 ppm	0.0000 ppm	0.0750 ppm	0.0016 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 3	0.0128 ppm	0.3085 ppm	-0.0014 ppm	0.0747 ppm	0.0026 ppm	-0.0030 ppm	-0.0001 ppm
Concentration RSD	67.8 %	1.3 %	120.7 %	0.3 %	25.3 %	187.6 %	63.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0807 ppm	106.1399 %	98.3577 %	102.0115 %	104.3447 %	97.0794 %	100.9301 %
Concentration per Run 1	0.0811 ppm	106.5155 %	98.0709 %	102.0115 %	104.6040 %	97.4826 %	101.1032 %
Concentration per Run 2	0.0811 ppm	105.8943 %	97.9811 %	101.3673 %	104.2562 %	96.5600 %	100.6164 %
Concentration per Run 3	0.0801 ppm	106.0099 %	99.0212 %	102.6557 %	104.1740 %	97.1954 %	101.0707 %
Concentration RSD	0.7 %	0.3 %	0.6 %	0.6 %	0.2 %	0.5 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556595-01 WG2113302

Analysis started at: 9/11/2025 11:26:20 AM

Rack 2

Vial 48

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0044 ppm		0.0078 ppm	0.0602 ppm	-0.0001 ppm	23.8633 ppm
Concentration per Run 1	-0.0011 ppm	-0.0095 ppm	0.0038 ppm	0.0027 ppm	0.0596 ppm	-0.0001 ppm	23.6556 ppm
Concentration per Run 2	0.0010 ppm	-0.0020 ppm	0.0036 ppm	0.0093 ppm	0.0606 ppm	-0.0001 ppm	24.0799 ppm
Concentration per Run 3	-0.0002 ppm	-0.0016 ppm	0.0052 ppm	0.0057 ppm	0.0604 ppm	-0.0001 ppm	23.8542 ppm
Concentration RSD	965.3 %	102.3 %	33.0 %	23.9 %	0.9 %	23.9 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0029 ppm	0.0009 ppm	0.0020 ppm	0.0188 ppm	0.2528 ppm	0.0018 ppm
Concentration per Run 1	-0.0002 ppm	0.0036 ppm	0.0016 ppm	0.0020 ppm	0.0193 ppm	0.2572 ppm	0.0017 ppm
Concentration per Run 2	-0.0001 ppm	0.0024 ppm	0.0009 ppm	0.0016 ppm	0.0179 ppm	0.2664 ppm	0.0024 ppm
Concentration per Run 3	-0.0001 ppm	0.0028 ppm	0.0003 ppm	0.0025 ppm	0.0191 ppm	0.2347 ppm	0.0013 ppm
Concentration RSD	24.6 %	21.8 %	71.6 %	22.3 %	4.0 %	6.5 %	32.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.3708 ppm	0.0854 ppm	-0.0012 ppm	134.7939 ppm	0.0041 ppm	0.1587 ppm	0.0023 ppm
Concentration per Run 1	0.3670 ppm	0.0852 ppm	-0.0016 ppm	132.9784 ppm	0.0039 ppm	0.1577 ppm	0.0055 ppm
Concentration per Run 2	0.3758 ppm	0.0856 ppm	-0.0009 ppm	136.2788 ppm	0.0055 ppm	0.1581 ppm	-0.0020 ppm
Concentration per Run 3	0.3697 ppm	0.0855 ppm	-0.0012 ppm	135.1244 ppm	0.0029 ppm	0.1605 ppm	0.0035 ppm
Concentration RSD	1.2 %	0.3 %	28.0 %	1.2 %	32.0 %	0.9 %	169.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Str 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0069 ppm	0.1606 ppm	-0.0012 ppm	0.0583 ppm	0.0013 ppm	0.0013 ppm	0.0014 ppm
Concentration per Run 1	0.0066 ppm	0.1572 ppm	-0.0009 ppm	0.0576 ppm	0.0005 ppm	0.0020 ppm	0.0008 ppm
Concentration per Run 2	0.0085 ppm	0.1663 ppm	-0.0006 ppm	0.0588 ppm	0.0024 ppm	-0.0011 ppm	0.0013 ppm
Concentration per Run 3	0.0054 ppm	0.1584 ppm	-0.0021 ppm	0.0585 ppm	0.0011 ppm	0.0031 ppm	0.0022 ppm
Concentration RSD	22.8 %	3.1 %	65.2 %	1.0 %	72.9 %	162.2 %	51.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3529 ppm	106.7519 %	99.9321 %	101.1146 %	104.8091 %	98.1973 %	100.3307 %
Concentration per Run 1	0.3510 ppm	107.0697 %	100.6377 %	100.3323 %	104.7074 %	98.5279 %	99.9808 %
Concentration per Run 2	0.3560 ppm	106.6112 %	99.2788 %	102.0795 %	104.9637 %	97.7899 %	101.1885 %
Concentration per Run 3	0.3518 ppm	106.5748 %	99.8797 %	100.9318 %	104.7561 %	98.2742 %	99.8227 %
Concentration RSD	0.8 %	0.3 %	0.7 %	0.9 %	0.1 %	0.4 %	0.7 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2556595-02 WG2113302

Analysis started at: 9/11/2025 11:29:37 AM

Rack 2

Vial 49

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0107 ppm		0.0065 ppm	0.0597 ppm	-0.0001 ppm	29.0069 ppm
Concentration per Run 1	0.0006 ppm	0.0186 ppm	0.0043 ppm	0.0026 ppm	0.0076 ppm	-0.0001 ppm	28.9902 ppm
Concentration per Run 2	-0.0012 ppm	0.0058 ppm	0.0011 ppm	0.0056 ppm	0.0595 ppm	-0.0001 ppm	29.1295 ppm
Concentration per Run 3	-0.0003 ppm	0.0078 ppm	0.0091 ppm	0.0063 ppm	0.0598 ppm	-0.0001 ppm	28.9010 ppm
Concentration RSD	286.1 %	64.1 %	99.2 %	15.5 %	0.3 %	3.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0028 ppm	0.0003 ppm	0.0008 ppm	0.1710 ppm	0.2993 ppm	0.0028 ppm
Concentration per Run 1	-0.0002 ppm	0.0015 ppm	0.0006 ppm	0.0002 ppm	0.1713 ppm	0.0022 ppm	0.0022 ppm
Concentration per Run 2	-0.0001 ppm	0.0026 ppm	0.0012 ppm	0.0009 ppm	0.1713 ppm	0.3057 ppm	0.0028 ppm
Concentration per Run 3	-0.0002 ppm	0.0042 ppm	-0.0010 ppm	0.0012 ppm	0.1704 ppm	0.2995 ppm	0.0033 ppm
Concentration RSD	33.3 %	49.9 %	396.0 %	66.5 %	0.3 %	2.2 %	19.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.6515 ppm	0.2261 ppm	-0.0003 ppm	136.7008 ppm	0.0027 ppm	0.0485 ppm	-0.0021 ppm
Concentration per Run 1	0.6462 ppm	0.2252 ppm	-0.0003 ppm	136.8469 ppm	0.0013 ppm	0.0496 ppm	-0.0073 ppm
Concentration per Run 2	0.6541 ppm	0.2270 ppm	-0.0004 ppm	137.1529 ppm	0.0030 ppm	0.0439 ppm	0.0035 ppm
Concentration per Run 3	0.6544 ppm	0.2259 ppm	-0.0003 ppm	136.1026 ppm	0.0037 ppm	0.0521 ppm	-0.0024 ppm
Concentration RSD	0.7 %	0.4 %	27.4 %	0.4 %	45.2 %	8.7 %	261.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0024 ppm	0.2250 ppm	0.0012 ppm	0.0538 ppm	0.0006 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	-0.0007 ppm	0.2237 ppm	0.0024 ppm	0.0542 ppm	-0.0001 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run 2	0.0026 ppm	0.2229 ppm	-0.0013 ppm	0.0533 ppm	0.0008 ppm	0.0014 ppm	0.0006 ppm
Concentration per Run 3	0.0051 ppm	0.2285 ppm	0.0024 ppm	0.0538 ppm	0.0011 ppm	-0.0024 ppm	-0.0003 ppm
Concentration RSD	124.2 %	1.3 %	183.8 %	0.8 %	103.2 %	338.0 %	958.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0751 ppm	106.4124 %	99.0092 %	102.0048 %	104.4440 %	97.9563 %	101.0803 %
Concentration per Run 1	0.0752 ppm	106.5898 %	98.5525 %	102.1935 %	104.6400 %	97.5565 %	100.6748 %
Concentration per Run 2	0.0741 ppm	107.0323 %	98.7394 %	102.1229 %	105.3516 %	97.4474 %	101.7958 %
Concentration per Run 3	0.0760 ppm	105.6151 %	99.7358 %	101.6981 %	103.3405 %	98.8649 %	100.7703 %
Concentration RSD	1.3 %	0.7 %	0.6 %	0.3 %	1.0 %	0.8 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2556657-01 WG2113302

Analysis started at: 9/11/2025 11:32:53 AM

Rack 2

Vial 50

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	0.0878 ppm	-0.0010 ppm	0.0514 ppm	0.0025 ppm	0.0000 ppm	1.6667 ppm
Concentration per Run 1	-0.0010 ppm	0.0843 ppm	-0.0014 ppm	0.0492 ppm	0.0025 ppm	0.0000 ppm	1.6643 ppm
Concentration per Run 2	-0.0006 ppm	0.0903 ppm	0.0001 ppm	0.0501 ppm	0.0024 ppm	0.0000 ppm	1.6597 ppm
Concentration per Run 3	-0.0011 ppm	0.0887 ppm	-0.0018 ppm	0.0549 ppm	0.0025 ppm	0.0000 ppm	1.6761 ppm
Concentration RSD	29.8 %	3.6 %	95.7 %	5.9 %	2.8 %	18.096.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0006 ppm	0.0009 ppm	0.0006 ppm	0.1515 ppm	2.0913 ppm	0.0028 ppm
Concentration per Run 1	0.0001 ppm	-0.0027 ppm	0.0011 ppm	0.0004 ppm	0.1486 ppm	2.1010 ppm	0.0014 ppm
Concentration per Run 2	0.0000 ppm	-0.0006 ppm	0.0004 ppm	0.0015 ppm	0.1568 ppm	2.0970 ppm	0.0037 ppm
Concentration per Run 3	-0.0001 ppm	0.0015 ppm	0.0012 ppm	-0.0001 ppm	0.1489 ppm	2.0760 ppm	0.0032 ppm
Concentration RSD	1.026.5 %	340.5 %	45.1 %	144.5 %	3.1 %	0.6 %	42.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.4751 ppm	0.0613 ppm	-0.0004 ppm	141.1653 ppm	0.0006 ppm	0.0004 ppm	0.0079 ppm
Concentration per Run 1	2.4682 ppm	0.0613 ppm	-0.0012 ppm	140.3013 ppm	0.0001 ppm	0.0024 ppm	0.0167 ppm
Concentration per Run 2	2.4649 ppm	0.0616 ppm	0.0006 ppm	140.7773 ppm	0.0007 ppm	-0.0005 ppm	-0.0036 ppm
Concentration per Run 3	2.4923 ppm	0.0611 ppm	-0.0006 ppm	142.4173 ppm	0.0010 ppm	-0.0005 ppm	0.0107 ppm
Concentration RSD	0.6 %	0.4 %	227.9 %	0.8 %	82.6 %	386.7 %	132.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0024 ppm	0.7157 ppm	-0.0020 ppm	0.0242 ppm	0.0026 ppm	-0.0024 ppm	0.0012 ppm
Concentration per Run 1	0.0008 ppm	0.7144 ppm	-0.0003 ppm	0.0241 ppm	0.0032 ppm	-0.0020 ppm	0.0014 ppm
Concentration per Run 2	0.0045 ppm	0.7069 ppm	-0.0015 ppm	0.0242 ppm	0.0023 ppm	0.0019 ppm	0.0007 ppm
Concentration per Run 3	0.0019 ppm	0.7257 ppm	-0.0041 ppm	0.0244 ppm	0.0023 ppm	-0.0070 ppm	0.0014 ppm
Concentration RSD	79.3 %	1.3 %	98.1 %	0.6 %	19.0 %	188.3 %	35.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0052 ppm	106.5513 %	98.2929 %	101.1077 %	104.2682 %	96.9085 %	100.0869 %
Concentration per Run 1	0.0049 ppm	106.6805 %	99.3155 %	100.8974 %	104.3572 %	97.4839 %	100.2909 %
Concentration per Run 2	0.0055 ppm	106.9300 %	98.1024 %	100.5280 %	104.7596 %	96.8447 %	99.7214 %
Concentration per Run 3	0.0052 ppm	106.0435 %	97.4609 %	101.8977 %	103.6879 %	96.3969 %	100.2485 %
Concentration RSD	5.6 %	0.4 %	1.0 %	0.7 %	0.5 %	0.6 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: XL2556224-01D8 WG2112651

Analysis started at: 9/11/2025 11:43:10 AM

Rack 2

Vial 56

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0010 ppm	-0.0156 ppm	-0.0004 ppm	0.0334 ppm	0.0484 ppm	-0.0001 ppm	25.9340 ppm
Concentration per Run 1	-0.0014 ppm	-0.0198 ppm	0.0003 ppm	0.0332 ppm	0.0485 ppm	-0.0001 ppm	25.9523 ppm
Concentration per Run 2	-0.0012 ppm	-0.0197 ppm	-0.0002 ppm	0.0339 ppm	0.0482 ppm	0.0000 ppm	25.7425 ppm
Concentration per Run 3	-0.0003 ppm	-0.0073 ppm	-0.0014 ppm	0.0331 ppm	0.0486 ppm	-0.0001 ppm	26.1073 ppm
Concentration RSD	61.7 %	46.2 %	195.2 %	1.3 %	0.5 %	35.1 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0014 ppm	0.0003 ppm	0.0001 ppm	0.9304 ppm	4.8025 ppm	0.0005 ppm
Concentration per Run 1	-0.0004 ppm	-0.0015 ppm	-0.0001 ppm	0.0001 ppm	0.9306 ppm	4.7837 ppm	-0.0009 ppm
Concentration per Run 2	-0.0006 ppm	-0.0018 ppm	0.0016 ppm	0.0006 ppm	0.9293 ppm	4.7929 ppm	0.0008 ppm
Concentration per Run 3	-0.0005 ppm	-0.0009 ppm	0.0001 ppm	-0.0005 ppm	0.9314 ppm	4.8307 ppm	0.0020 ppm
Concentration RSD	20.1 %	31.1 %	349.4 %	856.2 %	0.1 %	0.5 %	234.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.8377 ppm	0.1620 ppm	-0.0008 ppm	218.4512 ppm	-0.0003 ppm	0.0010 ppm	-0.0053 ppm
Concentration per Run 1	2.8403 ppm	0.1621 ppm	-0.0006 ppm	218.4115 ppm	-0.0001 ppm	0.0024 ppm	-0.0100 ppm
Concentration per Run 2	2.8228 ppm	0.1622 ppm	-0.0018 ppm	217.2353 ppm	-0.0016 ppm	-0.0006 ppm	0.0036 ppm
Concentration per Run 3	2.8500 ppm	0.1616 ppm	0.0000 ppm	219.7068 ppm	0.0008 ppm	0.0010 ppm	-0.0095 ppm
Concentration RSD	0.5 %	0.2 %	110.8 %	0.6 %	394.5 %	157.8 %	146.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0038 ppm	1.2793 ppm	-0.0018 ppm	0.2489 ppm	0.0014 ppm	0.0040 ppm	0.0005 ppm
Concentration per Run 1	0.0024 ppm	1.2759 ppm	-0.0015 ppm	0.2486 ppm	0.0011 ppm	0.0025 ppm	0.0011 ppm
Concentration per Run 2	0.0044 ppm	1.2761 ppm	-0.0030 ppm	0.2482 ppm	0.0018 ppm	0.0076 ppm	0.0002 ppm
Concentration per Run 3	0.0046 ppm	1.2858 ppm	-0.0010 ppm	0.2500 ppm	0.0014 ppm	0.0020 ppm	0.0005 ppm
Concentration RSD	31.7 %	0.4 %	55.0 %	0.4 %	24.9 %	76.6 %	74.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0069 ppm	108.9367 %	98.7235 %	105.3253 %	106.2644 %	97.2523 %	103.4718 %
Concentration per Run 1	-0.0071 ppm	109.4164 %	98.2899 %	104.6996 %	106.4803 %	96.7046 %	103.3156 %
Concentration per Run 2	-0.0069 ppm	109.8703 %	99.3875 %	105.5159 %	106.9862 %	97.8014 %	103.3932 %
Concentration per Run 3	-0.0066 ppm	107.5233 %	98.4932 %	105.7603 %	105.3268 %	97.2509 %	103.7066 %
Concentration RSD	3.6 %	1.1 %	0.6 %	0.5 %	0.8 %	0.6 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xWG2112651-4D8 WG2112651

Analysis started at: 9/11/2025 11:46:32 AM

Rack 2

Vial 57

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0012 ppm	-0.0107 ppm	-0.0006 ppm	0.0302 ppm	0.0479 ppm	-0.0001 ppm	25.6006 ppm
Concentration per Run 1	-0.0016 ppm	-0.0072 ppm	-0.0011 ppm	0.0294 ppm	0.0480 ppm	-0.0001 ppm	25.3503 ppm
Concentration per Run 2	-0.0002 ppm	-0.0147 ppm	-0.0008 ppm	0.0288 ppm	0.0478 ppm	-0.0001 ppm	25.7037 ppm
Concentration per Run 3	-0.0019 ppm	-0.0102 ppm	0.0002 ppm	0.0323 ppm	0.0481 ppm	-0.0001 ppm	25.7478 ppm
Concentration RSD	75.7 %	35.2 %	116.1 %	6.3 %	0.3 %	10.9 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0002 ppm	0.0006 ppm	0.0006 ppm	0.9194 ppm	4.7621 ppm	0.0001 ppm
Concentration per Run 1	-0.0001 ppm	-0.0010 ppm	0.0007 ppm	0.0007 ppm	0.9188 ppm	4.7600 ppm	0.0001 ppm
Concentration per Run 2	-0.0005 ppm	0.0003 ppm	0.0008 ppm	0.0005 ppm	0.9175 ppm	4.7482 ppm	0.0002 ppm
Concentration per Run 3	-0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.9219 ppm	4.7782 ppm	0.0000 ppm
Concentration RSD	61.5 %	303.7 %	50.7 %	17.2 %	0.2 %	0.3 %	92.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.8077 ppm	0.1597 ppm	-0.0004 ppm	215.1180 ppm	-0.0002 ppm	0.0021 ppm	-0.0043 ppm
Concentration per Run 1	2.8068 ppm	0.1602 ppm	-0.0022 ppm	214.0837 ppm	-0.0002 ppm	0.0007 ppm	-0.0026 ppm
Concentration per Run 2	2.8120 ppm	0.1587 ppm	0.0004 ppm	215.6029 ppm	0.0002 ppm	0.0057 ppm	-0.0024 ppm
Concentration per Run 3	2.8044 ppm	0.1602 ppm	0.0006 ppm	215.6673 ppm	-0.0005 ppm	-0.0001 ppm	-0.0078 ppm
Concentration RSD	0.1 %	0.5 %	397.2 %	0.4 %	187.0 %	148.4 %	71.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	1.2573 ppm	-0.0023 ppm	0.2464 ppm	0.0023 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run 1	-0.0012 ppm	1.2632 ppm	0.0004 ppm	0.2467 ppm	0.0026 ppm	0.0028 ppm	0.0008 ppm
Concentration per Run 2	0.0028 ppm	1.2467 ppm	-0.0036 ppm	0.2457 ppm	0.0023 ppm	0.0011 ppm	-0.0004 ppm
Concentration per Run 3	0.0024 ppm	1.2619 ppm	-0.0035 ppm	0.2468 ppm	0.0021 ppm	-0.0005 ppm	-0.0007 ppm
Concentration RSD	161.1 %	0.7 %	101.9 %	0.3 %	10.1 %	149.3 %	710.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0064 ppm	108.6468 %	97.9678 %	104.0881 %	105.9513 %	96.8071 %	102.2472 %
Concentration per Run 1	-0.0065 ppm	108.1841 %	97.7228 %	103.9289 %	105.7041 %	96.7113 %	102.3127 %
Concentration per Run 2	-0.0066 ppm	108.4031 %	98.4031 %	104.3249 %	105.5188 %	96.5840 %	101.9875 %
Concentration per Run 3	-0.0062 ppm	109.3532 %	98.3354 %	104.0106 %	106.6309 %	97.1260 %	102.4414 %
Concentration RSD	3.1 %	0.6 %	0.3 %	0.2 %	0.6 %	0.3 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xWG2112651-6D40 WG2112651

Analysis started at: 9/11/2025 11:49:49 AM

Rack 2

Vial 58

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0060 ppm	-0.0008 ppm	0.0086 ppm	0.0097 ppm	0.0000 ppm	5.1716 ppm
Concentration per Run 1	-0.0010 ppm	-0.0091 ppm	0.0020 ppm	0.0083 ppm	0.0098 ppm	0.0000 ppm	5.1688 ppm
Concentration per Run 2	-0.0007 ppm	-0.0046 ppm	-0.0022 ppm	0.0082 ppm	0.0097 ppm	0.0000 ppm	5.1540 ppm
Concentration per Run 3	0.0002 ppm	-0.0041 ppm	-0.0021 ppm	0.0094 ppm	0.0096 ppm	-0.0001 ppm	5.1921 ppm
Concentration RSD	135.6 %	46.4 %	313.7 %	7.4 %	1.0 %	60.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0017 ppm	0.0010 ppm	0.0002 ppm	0.1870 ppm	0.9394 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	-0.0027 ppm	0.0007 ppm	0.0019 ppm	0.1845 ppm	0.9408 ppm	0.0009 ppm
Concentration per Run 2	-0.0003 ppm	-0.0010 ppm	0.0011 ppm	-0.0008 ppm	0.1888 ppm	0.9397 ppm	-0.0008 ppm
Concentration per Run 3	0.0000 ppm	-0.0014 ppm	0.0012 ppm	-0.0006 ppm	0.1878 ppm	0.9377 ppm	-0.0006 ppm
Concentration RSD	69.7 %	52.7 %	28.8 %	817.6 %	1.2 %	0.2 %	675.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5776 ppm	0.0326 ppm	-0.0005 ppm	44.4860 ppm	-0.0008 ppm	0.0007 ppm	0.0009 ppm
Concentration per Run 1	0.5729 ppm	0.0325 ppm	-0.0011 ppm	44.7488 ppm	-0.0017 ppm	-0.0001 ppm	0.0067 ppm
Concentration per Run 2	0.5798 ppm	0.0325 ppm	-0.0008 ppm	44.3109 ppm	0.0018 ppm	0.0014 ppm	-0.0019 ppm
Concentration per Run 3	0.5800 ppm	0.0329 ppm	0.0005 ppm	44.3982 ppm	-0.0025 ppm	0.0009 ppm	-0.0020 ppm
Concentration RSD	0.7 %	0.7 %	186.8 %	0.5 %	283.6 %	107.7 %	533.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0041 ppm	0.2454 ppm	-0.0014 ppm	0.0495 ppm	0.0015 ppm	0.0022 ppm	0.0001 ppm
Concentration per Run 1	0.0055 ppm	0.2400 ppm	-0.0018 ppm	0.0493 ppm	0.0013 ppm	-0.0035 ppm	-0.0003 ppm
Concentration per Run 2	0.0035 ppm	0.2444 ppm	-0.0022 ppm	0.0495 ppm	0.0013 ppm	-0.0030 ppm	0.0000 ppm
Concentration per Run 3	0.0033 ppm	0.2518 ppm	-0.0002 ppm	0.0496 ppm	0.0019 ppm	0.0133 ppm	0.0004 ppm
Concentration RSD	29.6 %	2.4 %	76.6 %	0.4 %	24.7 %	427.9 %	641.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0011 ppm	106.1139 %	99.7659 %	102.2575 %	103.7431 %	98.5952 %	100.9624 %
Concentration per Run 1	-0.0013 ppm	105.8558 %	99.7442 %	102.8333 %	102.8496 %	97.8445 %	101.5156 %
Concentration per Run 2	-0.0011 ppm	105.8857 %	100.2901 %	102.6321 %	103.6441 %	99.5071 %	101.2224 %
Concentration per Run 3	-0.0009 ppm	106.6002 %	99.2634 %	101.3070 %	104.7355 %	98.4340 %	100.1491 %
Concentration RSD	17.0 %	0.4 %	0.5 %	0.8 %	0.9 %	0.9 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

CCV

Sample:

Analysis started at: 9/11/2025 11:53:05 AM

Rack

Vial

Comment

0

3

<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4902 ppm	0.4937 ppm	0.4848 ppm	0.4994 ppm	0.5021 ppm	0.5151 ppm	0.5049 ppm
Concentration per Run 1	0.4916 ppm	0.4998 ppm	0.4844 ppm	0.5071 ppm	0.4959 ppm	0.5117 ppm	0.5014 ppm
Concentration per Run 2	0.4901 ppm	0.4875 ppm	0.4868 ppm	0.4936 ppm	0.5020 ppm	0.5145 ppm	0.5056 ppm
Concentration per Run 3	0.4888 ppm	0.4938 ppm	0.4833 ppm	0.4975 ppm	0.5084 ppm	0.5192 ppm	0.5076 ppm
Recovery Percentage 1	98.031 %	98.740 %	96.969 %	99.880 %	100.417 %	103.027 %	100.978 %
Concentration RSD	0.3 %	1.2 %	0.4 %	1.4 %	1.2 %	0.7 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5061 ppm	0.5093 ppm	0.5125 ppm	0.5028 ppm	0.5045 ppm	5.2142 ppm	0.5218 ppm
Concentration per Run 1	0.5033 ppm	0.5076 ppm	0.5144 ppm	0.5017 ppm	0.5023 ppm	5.1982 ppm	0.5153 ppm
Concentration per Run 2	0.5078 ppm	0.5089 ppm	0.5134 ppm	0.5024 ppm	0.5028 ppm	5.1654 ppm	0.5205 ppm
Concentration per Run 3	0.5072 ppm	0.5114 ppm	0.5097 ppm	0.5043 ppm	0.5082 ppm	5.2789 ppm	0.5294 ppm
Recovery Percentage 1	101.225 %	101.861 %	102.502 %	100.562 %	100.890 %	104.284 %	104.351 %
Concentration RSD	0.5 %	0.4 %	0.5 %	0.3 %	0.6 %	1.1 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5027 ppm	0.5167 ppm	0.4991 ppm	10.3605 ppm	0.5103 ppm	0.5099 ppm	0.5171 ppm
Concentration per Run 1	0.5064 ppm	0.5145 ppm	0.4986 ppm	10.3193 ppm	0.5133 ppm	0.5145 ppm	0.5175 ppm
Concentration per Run 2	0.5019 ppm	0.5170 ppm	0.4989 ppm	10.3291 ppm	0.5114 ppm	0.5090 ppm	0.5189 ppm
Concentration per Run 3	0.4999 ppm	0.5188 ppm	0.4998 ppm	10.4332 ppm	0.5062 ppm	0.5063 ppm	0.5150 ppm
Recovery Percentage 1	100.539 %	103.349 %	99.817 %	103.605 %	102.061 %	101.990 %	103.429 %
Concentration RSD	0.7 %	0.4 %	0.1 %	0.6 %	0.7 %	0.8 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4909 ppm	5.3283 ppm	0.4924 ppm	0.5097 ppm	0.5063 ppm	0.4973 ppm	0.5144 ppm
Concentration per Run 1	0.4914 ppm	5.3194 ppm	0.4942 ppm	0.5038 ppm	0.5057 ppm	0.5017 ppm	0.5132 ppm
Concentration per Run 2	0.4936 ppm	5.3235 ppm	0.4971 ppm	0.5091 ppm	0.5078 ppm	0.4977 ppm	0.5149 ppm
Concentration per Run 3	0.4877 ppm	5.3421 ppm	0.4860 ppm	0.5161 ppm	0.5054 ppm	0.4926 ppm	0.5152 ppm
Recovery Percentage 1	98.179 %	101.492 %	98.485 %	101.937 %	101.261 %	99.467 %	102.889 %
Concentration RSD	0.6 %	0.2 %	1.2 %	1.2 %	0.3 %	0.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5124 ppm	104.5570 %	99.4758 %	101.7640 %	102.3205 %	98.1988 %	100.8680 %
Concentration per Run 1	0.5141 ppm	104.3172 %	100.8096 %	101.6728 %	101.9044 %	99.0919 %	100.9875 %
Concentration per Run 2	0.5129 ppm	105.2444 %	99.5984 %	100.8545 %	102.9781 %	98.4155 %	100.4340 %
Concentration per Run 3	0.5102 ppm	104.1093 %	98.0193 %	102.7648 %	102.0789 %	97.0890 %	101.1826 %
Recovery Percentage 1	102.482 %	0.6 %	1.4 %	0.9 %	0.6 %	1.0 %	0.4 %
Concentration RSD	0.4 %	0.6 %	1.4 %	0.9 %	0.6 %	1.0 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB

Analysis started at: 9/11/2025 11:56:21 AM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0019 ppm	-0.0092 ppm	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run 1	-0.0020 ppm	-0.0092 ppm	0.0007 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 2	-0.0020 ppm	-0.0151 ppm	0.0010 ppm	-0.0015 ppm	0.0002 ppm	0.0001 ppm	-0.0018 ppm
Concentration per Run 3	-0.0018 ppm	-0.0033 ppm	-0.0020 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0010 ppm
Recovery Percentage 1	-27.609 %	-9.211 %	-1.874 %	-0.680 %	1.269 %	1.543 %	-0.399 %
Concentration RSD	6.1 %	64.3 %	1.758.5 %	607.2 %	27.9 %	19.4 %	440.0 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0002 ppm	-0.0004 ppm	0.0013 ppm	-0.0002 ppm	-0.0004 ppm	-0.0008 ppm	0.0006 ppm
Concentration per Run 1	0.0004 ppm	-0.0013 ppm	0.0021 ppm	0.0005 ppm	-0.0005 ppm	-0.0077 ppm	0.0015 ppm
Concentration per Run 2	0.0003 ppm	0.0007 ppm	0.0015 ppm	-0.0006 ppm	-0.0006 ppm	-0.0054 ppm	-0.0002 ppm
Concentration per Run 3	-0.0002 ppm	-0.0006 ppm	0.0003 ppm	-0.0005 ppm	-0.0002 ppm	0.0107 ppm	0.0006 ppm
Recovery Percentage 1	3.742 %	-2.028 %	12.856 %	-2.043 %	-0.849 %	-0.032 %	12.794 %
Concentration RSD	167.7 %	253.8 %	72.0 %	284.1 %	45.8 %	1,240.0 %	133.7 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0054 ppm	0.0001 ppm	0.0024 ppm	-0.0188 ppm	-0.0011 ppm	0.0008 ppm	0.0041 ppm
Concentration per Run 1	0.0116 ppm	0.0001 ppm	0.0013 ppm	-0.0148 ppm	0.0008 ppm	-0.0013 ppm	0.0045 ppm
Concentration per Run 2	-0.0002 ppm	0.0002 ppm	0.0046 ppm	-0.0177 ppm	-0.0021 ppm	0.0021 ppm	0.0013 ppm
Concentration per Run 3	0.0048 ppm	0.0001 ppm	0.0014 ppm	-0.0240 ppm	-0.0021 ppm	0.0017 ppm	0.0066 ppm
Recovery Percentage 1	5.427 %	1.139 %	4.869 %	-0.942 %	-4.476 %	8.176 %	8.213 %
Concentration RSD	108.7 %	48.5 %	75.3 %	25.1 %	152.1 %	225.4 %	65.3 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0038 ppm	-0.0100 ppm	-0.0008 ppm	0.0001 ppm	0.0021 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 1	0.0042 ppm	-0.0138 ppm	0.0013 ppm	0.0001 ppm	0.0023 ppm	0.0015 ppm	0.0009 ppm
Concentration per Run 2	0.0039 ppm	-0.0096 ppm	-0.0021 ppm	0.0001 ppm	0.0023 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 3	0.0033 ppm	-0.0067 ppm	-0.0017 ppm	0.0000 ppm	0.0017 ppm	-0.0030 ppm	-0.0001 ppm
Recovery Percentage 1	38.013 %	-2.005 %	-1.691 %	0.732 %	20.856 %	-0.646 %	2.882 %
Concentration RSD	12.8 %	36.1 %	221.3 %	101.1 %	14.5 %	1,936.4 %	172.5 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	-0.0001 ppm	103.0657 %	96.7266 %	98.5375 %	102.0805 %	97.1466 %	98.5605 %
Concentration per Run 1	-0.0001 ppm	103.4597 %	96.7244 %	99.1646 %	101.9458 %	97.4269 %	99.1334 %
Concentration per Run 2	-0.0001 ppm	102.1629 %	96.7449 %	98.0829 %	101.4660 %	97.0799 %	98.0740 %
Concentration per Run 3	0.0000 ppm	103.5744 %	96.7104 %	98.3651 %	102.8297 %	96.9329 %	98.4742 %
Recovery Percentage 1	-1.656 %	0.8 %	0.0 %	0.6 %	0.7 %	0.3 %	0.5 %
Concentration RSD	49.2 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554831-03 WG2110254

Analysis started at: 9/11/2025 12:33:27 PM

Rack 3

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	0.4722 ppm	-0.0013 ppm	0.0499 ppm	0.0341 ppm	0.0000 ppm	24.6210 ppm
Concentration per Run 1	-0.0019 ppm	0.4787 ppm	-0.0006 ppm	0.0500 ppm	0.0341 ppm	0.0000 ppm	24.7629 ppm
Concentration per Run 2	-0.0020 ppm	0.4742 ppm	-0.0030 ppm	0.0516 ppm	0.0343 ppm	0.0000 ppm	24.5988 ppm
Concentration per Run 3	-0.0003 ppm	0.4637 ppm	-0.0002 ppm	0.0481 ppm	0.0338 ppm	0.0000 ppm	24.5012 ppm
Concentration RSD	68.0 %	1.6 %	120.8 %	3.5 %	0.7 %	19.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0002 ppm	0.0024 ppm	0.0037 ppm	0.9033 ppm	5.0223 ppm	0.0044 ppm
Concentration per Run 1	-0.0006 ppm	-0.0003 ppm	0.0030 ppm	0.0040 ppm	0.9035 ppm	5.0231 ppm	0.0060 ppm
Concentration per Run 2	-0.0004 ppm	0.0000 ppm	0.0027 ppm	0.0033 ppm	0.9036 ppm	5.0476 ppm	0.0043 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0015 ppm	0.0037 ppm	0.9027 ppm	4.9963 ppm	0.0028 ppm
Concentration RSD	96.5 %	110.5 %	32.5 %	8.9 %	0.1 %	0.5 %	36.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.6957 ppm	0.0555 ppm	0.0001 ppm	68.4297 ppm	0.0019 ppm	0.0036 ppm	-0.0012 ppm
Concentration per Run 1	12.6353 ppm	0.0555 ppm	0.0005 ppm	68.3644 ppm	0.0023 ppm	0.0046 ppm	-0.0064 ppm
Concentration per Run 2	12.7836 ppm	0.0554 ppm	0.0002 ppm	68.3640 ppm	0.0023 ppm	0.0001 ppm	-0.0037 ppm
Concentration per Run 3	12.6682 ppm	0.0555 ppm	-0.0005 ppm	68.5606 ppm	0.0011 ppm	0.0065 ppm	0.0065 ppm
Concentration RSD	0.6 %	0.1 %	723.5 %	0.2 %	37.3 %	85.8 %	569.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	1.4461 ppm	-0.0040 ppm	0.1462 ppm	0.0229 ppm	-0.0014 ppm	0.0025 ppm
Concentration per Run 1	0.0030 ppm	1.4385 ppm	-0.0067 ppm	0.1457 ppm	0.0228 ppm	-0.0003 ppm	0.0027 ppm
Concentration per Run 2	0.0061 ppm	1.4531 ppm	-0.0024 ppm	0.1467 ppm	0.0227 ppm	-0.0029 ppm	0.0017 ppm
Concentration per Run 3	0.0014 ppm	1.4467 ppm	-0.0027 ppm	0.1460 ppm	0.0231 ppm	-0.0010 ppm	0.0029 ppm
Concentration RSD	67.7 %	0.5 %	60.5 %	0.3 %	0.7 %	96.5 %	25.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0057 ppm	108.4113 %	100.9965 %	103.9587 %	106.0095 %	99.6097 %	103.0985 %
Concentration per Run 1	0.0057 ppm	109.5591 %	100.5745 %	104.3464 %	107.2858 %	99.1390 %	103.8803 %
Concentration per Run 2	0.0058 ppm	106.6443 %	101.2352 %	104.2223 %	104.3701 %	100.1222 %	103.2796 %
Concentration per Run 3	0.0057 ppm	109.0306 %	101.1798 %	103.3073 %	106.3727 %	99.5679 %	102.1355 %
Concentration RSD	0.9 %	1.4 %	0.4 %	0.5 %	1.4 %	0.5 %	0.9 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554831-04 WG2110254

Analysis started at: 9/11/2025 12:36:50 PM

Rack 3

Vial 5

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0011 ppm	0.5164 ppm	0.0000 ppm	0.0515 ppm	0.0351 ppm	0.0000 ppm	24.5187 ppm
Concentration per Run 1	-0.0018 ppm	0.5161 ppm	-0.0001 ppm	0.0516 ppm	0.0347 ppm	0.0000 ppm	24.4855 ppm
Concentration per Run 2	-0.0003 ppm	0.5206 ppm	0.0015 ppm	0.0520 ppm	0.0352 ppm	-0.0001 ppm	24.7244 ppm
Concentration per Run 3	-0.0011 ppm	0.5124 ppm	-0.0015 ppm	0.0510 ppm	0.0354 ppm	0.0000 ppm	24.3461 ppm
Concentration RSD	67.7 %	0.8 %	7.084.5 %	0.9 %	1.0 %	35.9 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0019 ppm	0.0032 ppm	1.0608 ppm	4.9513 ppm	0.0052 ppm
Concentration per Run 1	-0.0007 ppm	-0.0002 ppm	0.0014 ppm	0.0030 ppm	1.0480 ppm	4.9173 ppm	0.0060 ppm
Concentration per Run 2	-0.0001 ppm	0.0006 ppm	0.0023 ppm	0.0031 ppm	1.0719 ppm	4.9518 ppm	0.0048 ppm
Concentration per Run 3	0.0001 ppm	0.0006 ppm	0.0021 ppm	0.0035 ppm	1.0626 ppm	4.9849 ppm	0.0047 ppm
Concentration RSD	175.3 %	148.7 %	23.2 %	8.4 %	1.1 %	0.7 %	14.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.5106 ppm	0.0691 ppm	0.0000 ppm	66.8265 ppm	0.0027 ppm	0.0058 ppm	0.0059 ppm
Concentration per Run 1	12.4539 ppm	0.0684 ppm	-0.0005 ppm	66.0595 ppm	0.0026 ppm	0.0065 ppm	0.0074 ppm
Concentration per Run 2	12.5406 ppm	0.0697 ppm	0.0003 ppm	67.5201 ppm	0.0023 ppm	0.0076 ppm	0.0020 ppm
Concentration per Run 3	12.5374 ppm	0.0691 ppm	0.0002 ppm	66.9000 ppm	0.0031 ppm	0.0033 ppm	0.0082 ppm
Concentration RSD	0.4 %	0.9 %	30.828.7 %	1.1 %	14.6 %	37.9 %	57.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0032 ppm	1.5090 ppm	-0.0047 ppm	0.1456 ppm	0.0250 ppm	0.0005 ppm	0.0030 ppm
Concentration per Run 1	0.0015 ppm	1.5055 ppm	-0.0059 ppm	0.1438 ppm	0.0258 ppm	0.0057 ppm	0.0038 ppm
Concentration per Run 2	0.0080 ppm	1.5118 ppm	-0.0029 ppm	0.1464 ppm	0.0254 ppm	0.0005 ppm	0.0027 ppm
Concentration per Run 3	0.0000 ppm	1.5096 ppm	-0.0052 ppm	0.1466 ppm	0.0239 ppm	-0.0046 ppm	0.0025 ppm
Concentration RSD	133.7 %	0.2 %	33.8 %	1.1 %	3.9 %	967.6 %	22.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0063 ppm	108.4644 %	100.6500 %	104.4105 %	106.0937 %	99.3503 %	103.4716 %
Concentration per Run 1	0.0057 ppm	108.7210 %	102.4971 %	104.5496 %	106.3298 %	100.6560 %	102.9073 %
Concentration per Run 2	0.0061 ppm	108.6878 %	100.0132 %	103.9217 %	106.3525 %	99.0755 %	103.7751 %
Concentration per Run 3	0.0070 ppm	107.9843 %	99.4397 %	104.7600 %	105.5989 %	98.3193 %	103.7322 %
Concentration RSD	10.4 %	0.4 %	1.6 %	0.4 %	0.4 %	1.2 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554831-05 WG2110254

Analysis started at: 9/11/2025 12:40:07 PM

Rack 3

Vial 6

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.2233 ppm	-0.0002 ppm	0.0475 ppm	0.0358 ppm	-0.0001 ppm	24.7792 ppm
Concentration per Run 1	-0.0011 ppm	0.2254 ppm	0.0011 ppm	0.0495 ppm	0.0359 ppm	0.0000 ppm	24.7899 ppm
Concentration per Run 2	-0.0008 ppm	0.2289 ppm	0.0000 ppm	0.0475 ppm	0.0358 ppm	-0.0001 ppm	24.7019 ppm
Concentration per Run 3	-0.0004 ppm	0.2156 ppm	-0.0015 ppm	0.0453 ppm	0.0358 ppm	-0.0001 ppm	24.8457 ppm
Concentration RSD	44.2 %	3.1 %	761.2 %	4.5 %	0.2 %	47.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0002 ppm	0.0013 ppm	0.0025 ppm	0.4867 ppm	4.8355 ppm	0.0036 ppm
Concentration per Run 1	-0.0006 ppm	0.0009 ppm	0.0013 ppm	0.0021 ppm	0.4896 ppm	4.8124 ppm	0.0036 ppm
Concentration per Run 2	-0.0002 ppm	-0.0009 ppm	0.0017 ppm	0.0032 ppm	0.4880 ppm	4.8554 ppm	0.0038 ppm
Concentration per Run 3	-0.0003 ppm	0.0007 ppm	0.0010 ppm	0.0023 ppm	0.4826 ppm	4.8388 ppm	0.0036 ppm
Concentration RSD	55.0 %	434.3 %	25.2 %	24.3 %	0.7 %	0.4 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.0272 ppm	0.0676 ppm	0.0009 ppm	63.3656 ppm	0.0005 ppm	0.0048 ppm	-0.0003 ppm
Concentration per Run 1	12.0410 ppm	0.0676 ppm	0.0014 ppm	63.3947 ppm	0.0004 ppm	0.0037 ppm	0.0076 ppm
Concentration per Run 2	12.0257 ppm	0.0673 ppm	0.0016 ppm	63.4431 ppm	0.0009 ppm	0.0019 ppm	-0.0024 ppm
Concentration per Run 3	12.0149 ppm	0.0679 ppm	-0.0003 ppm	63.2588 ppm	0.0002 ppm	0.0089 ppm	-0.0061 ppm
Concentration RSD	0.1 %	0.4 %	111.5 %	0.2 %	66.4 %	74.4 %	2.345.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	1.0811 ppm	-0.0040 ppm	0.1439 ppm	0.0116 ppm	0.0018 ppm	0.0017 ppm
Concentration per Run 1	-0.0005 ppm	1.0797 ppm	-0.0065 ppm	0.1440 ppm	0.0117 ppm	0.0003 ppm	0.0019 ppm
Concentration per Run 2	0.0013 ppm	1.0849 ppm	-0.0038 ppm	0.1434 ppm	0.0112 ppm	0.0013 ppm	0.0020 ppm
Concentration per Run 3	-0.0002 ppm	1.0786 ppm	-0.0016 ppm	0.1443 ppm	0.0118 ppm	0.0036 ppm	0.0012 ppm
Concentration RSD	450.4 %	0.3 %	61.3 %	0.3 %	2.8 %	96.7 %	26.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0034 ppm	108.6950 %	101.1477 %	104.5206 %	106.1285 %	99.8444 %	102.7263 %
Concentration per Run 1	0.0033 ppm	108.1864 %	101.5380 %	103.3698 %	105.9282 %	100.2429 %	102.7675 %
Concentration per Run 2	0.0033 ppm	109.9660 %	101.5563 %	104.6469 %	106.7205 %	99.7683 %	101.9828 %
Concentration per Run 3	0.0036 ppm	107.9327 %	100.3490 %	105.5453 %	105.7369 %	99.5220 %	103.4288 %
Concentration RSD	5.1 %	1.0 %	0.7 %	1.0 %	0.5 %	0.4 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554831-06 WG2110254

Analysis started at: 9/11/2025 12:43:24 PM

Rack 3

Vial 7

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0011 ppm	0.2801 ppm	0.0001 ppm	0.0471 ppm	0.0362 ppm	-0.0001 ppm	24.5481 ppm
Concentration per Run 1	-0.0003 ppm	0.2807 ppm	0.0012 ppm	0.0474 ppm	0.0359 ppm	0.0000 ppm	24.5654 ppm
Concentration per Run 2	-0.0009 ppm	0.2830 ppm	0.0000 ppm	0.0485 ppm	0.0364 ppm	-0.0001 ppm	24.5804 ppm
Concentration per Run 3	-0.0021 ppm	0.2765 ppm	-0.0008 ppm	0.0454 ppm	0.0362 ppm	-0.0001 ppm	24.4984 ppm
Concentration RSD	81.1 %	1.2 %	724.0 %	3.3 %	0.8 %	34.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0008 ppm	0.0015 ppm	0.0030 ppm	0.5791 ppm	4.8362 ppm	0.0039 ppm
Concentration per Run 1	-0.0005 ppm	0.0008 ppm	0.0017 ppm	0.0025 ppm	0.5790 ppm	4.7861 ppm	0.0043 ppm
Concentration per Run 2	0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0040 ppm	0.5797 ppm	4.8612 ppm	0.0038 ppm
Concentration per Run 3	-0.0002 ppm	0.0014 ppm	0.0020 ppm	0.0024 ppm	0.5786 ppm	4.8613 ppm	0.0037 ppm
Concentration RSD	150.1 %	74.9 %	40.2 %	31.3 %	0.1 %	0.9 %	8.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.9975 ppm	0.0731 ppm	-0.0003 ppm	62.8933 ppm	0.0011 ppm	0.0047 ppm	-0.0061 ppm
Concentration per Run 1	11.9712 ppm	0.0725 ppm	0.0004 ppm	62.6322 ppm	0.0034 ppm	0.0062 ppm	-0.0049 ppm
Concentration per Run 2	11.9603 ppm	0.0733 ppm	-0.0011 ppm	63.2772 ppm	-0.0013 ppm	0.0027 ppm	-0.0048 ppm
Concentration per Run 3	12.0608 ppm	0.0735 ppm	-0.0003 ppm	62.7704 ppm	0.0013 ppm	0.0053 ppm	-0.0086 ppm
Concentration RSD	0.5 %	0.7 %	212.8 %	0.5 %	210.7 %	38.6 %	35.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	1.2036 ppm	-0.0015 ppm	0.1440 ppm	0.0129 ppm	0.0022 ppm	0.0018 ppm
Concentration per Run 1	0.0022 ppm	1.2082 ppm	-0.0001 ppm	0.1430 ppm	0.0129 ppm	-0.0023 ppm	0.0019 ppm
Concentration per Run 2	0.0038 ppm	1.1955 ppm	-0.0020 ppm	0.1442 ppm	0.0130 ppm	0.0044 ppm	0.0016 ppm
Concentration per Run 3	-0.0016 ppm	1.2070 ppm	-0.0024 ppm	0.1447 ppm	0.0126 ppm	0.0046 ppm	0.0019 ppm
Concentration RSD	188.7 %	0.6 %	80.6 %	0.6 %	1.6 %	176.0 %	9.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0032 ppm	108.4710 %	100.6527 %	104.3806 %	105.7687 %	98.9751 %	103.3998 %
Concentration per Run 1	0.0030 ppm	108.7269 %	101.4177 %	104.9526 %	106.0814 %	99.6370 %	103.4247 %
Concentration per Run 2	0.0033 ppm	108.2767 %	99.9522 %	104.0992 %	105.4232 %	98.5375 %	103.7939 %
Concentration per Run 3	0.0032 ppm	108.4095 %	100.5883 %	104.0899 %	105.8017 %	98.7508 %	102.9809 %
Concentration RSD	5.5 %	0.2 %	0.7 %	0.5 %	0.3 %	0.6 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554831-07 WG2110254

Analysis started at: 9/11/2025 12:46:41 PM

Rack 3

Vial 8

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0015 ppm	2.4836 ppm	0.0101 ppm	0.0857 ppm	0.1187 ppm	0.0001 ppm	30.9844 ppm
Concentration per Run 1	-0.0012 ppm	2.4922 ppm	0.0104 ppm	0.0850 ppm	0.1191 ppm	0.0001 ppm	30.9897 ppm
Concentration per Run 2	-0.0010 ppm	2.4888 ppm	0.0103 ppm	0.0878 ppm	0.1185 ppm	0.0001 ppm	31.0350 ppm
Concentration per Run 3	-0.0022 ppm	2.4697 ppm	0.0097 ppm	0.0841 ppm	0.1187 ppm	0.0001 ppm	30.9285 ppm
Concentration RSD	45.6 %	0.5 %	3.8 %	2.3 %	0.3 %	12.9 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0018 ppm	0.0087 ppm	0.0084 ppm	4.9250 ppm	8.4668 ppm	0.0051 ppm
Concentration per Run 1	-0.0006 ppm	0.0025 ppm	0.0078 ppm	0.0078 ppm	4.9494 ppm	8.4858 ppm	0.0059 ppm
Concentration per Run 2	0.0000 ppm	0.0005 ppm	0.0089 ppm	0.0101 ppm	4.9130 ppm	8.4632 ppm	0.0049 ppm
Concentration per Run 3	-0.0005 ppm	0.0024 ppm	0.0086 ppm	0.0074 ppm	4.9127 ppm	8.4514 ppm	0.0045 ppm
Concentration RSD	78.2 %	61.0 %	2.0 %	17.3 %	0.4 %	0.2 %	14.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.0207 ppm	1.3070 ppm	0.0009 ppm	45.4645 ppm	0.0063 ppm	0.0125 ppm	0.0014 ppm
Concentration per Run 1	14.0042 ppm	1.3081 ppm	0.0003 ppm	45.6292 ppm	0.0056 ppm	0.0135 ppm	0.0001 ppm
Concentration per Run 2	13.9587 ppm	1.3059 ppm	0.0011 ppm	45.4712 ppm	0.0063 ppm	0.0123 ppm	0.0009 ppm
Concentration per Run 3	14.0992 ppm	1.3070 ppm	0.0013 ppm	45.2930 ppm	0.0070 ppm	0.0117 ppm	0.0031 ppm
Concentration RSD	0.5 %	0.1 %	58.0 %	0.4 %	11.0 %	7.4 %	112.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	13.6082 ppm	-0.0025 ppm	0.2030 ppm	0.0846 ppm	0.0041 ppm	0.0068 ppm
Concentration per Run 1	0.0041 ppm	13.6199 ppm	-0.0050 ppm	0.2035 ppm	0.0842 ppm	0.0077 ppm	0.0067 ppm
Concentration per Run 2	0.0027 ppm	13.6041 ppm	-0.0020 ppm	0.2030 ppm	0.0838 ppm	0.0063 ppm	0.0068 ppm
Concentration per Run 3	0.0008 ppm	13.6007 ppm	-0.0004 ppm	0.2024 ppm	0.0857 ppm	0.0023 ppm	0.0070 ppm
Concentration RSD	66.7 %	0.1 %	95.0 %	0.2 %	1.2 %	76.0 %	1.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0269 ppm	108.3905 %	101.3673 %	103.3462 %	106.4456 %	100.4404 %	103.5760 %
Concentration per Run 1	0.0266 ppm	109.0684 %	100.8775 %	103.7829 %	106.5502 %	99.6475 %	104.2433 %
Concentration per Run 2	0.0273 ppm	107.0109 %	101.8235 %	102.4083 %	105.7512 %	101.0743 %	103.3388 %
Concentration per Run 3	0.0269 ppm	109.0920 %	101.4009 %	103.8473 %	107.0355 %	100.5993 %	103.1461 %
Concentration RSD	1.2 %	1.1 %	0.5 %	0.8 %	0.6 %	0.7 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554831-02 WG2110254

Analysis started at: 9/11/2025 12:49:58 PM

Rack 2

Vial 59

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0018 ppm	0.6056 ppm	-0.0006 ppm	0.0496 ppm	0.0350 ppm	0.0000 ppm	24.2925 ppm
Concentration per Run 1	-0.0029 ppm	0.6061 ppm	-0.0019 ppm	0.0510 ppm	0.0351 ppm	0.0000 ppm	24.4194 ppm
Concentration per Run 2	-0.0020 ppm	0.6127 ppm	-0.0009 ppm	0.0480 ppm	0.0353 ppm	0.0000 ppm	24.3263 ppm
Concentration per Run 3	-0.0006 ppm	0.5980 ppm	0.0009 ppm	0.0498 ppm	0.0347 ppm	0.0000 ppm	24.1319 ppm
Concentration RSD	61.2 %	1.2 %	223.2 %	3.1 %	0.9 %	29.5 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0004 ppm	0.0024 ppm	0.0030 ppm	1.2086 ppm	4.9546 ppm	0.0045 ppm
Concentration per Run 1	-0.0004 ppm	0.0001 ppm	0.0020 ppm	0.0026 ppm	1.2168 ppm	5.0187 ppm	0.0046 ppm
Concentration per Run 2	-0.0003 ppm	-0.0012 ppm	0.0030 ppm	0.0031 ppm	1.2072 ppm	4.9417 ppm	0.0044 ppm
Concentration per Run 3	-0.0004 ppm	-0.0001 ppm	0.0021 ppm	0.0033 ppm	1.2018 ppm	4.9034 ppm	0.0045 ppm
Concentration RSD	13.1 %	180.8 %	23.5 %	11.6 %	0.6 %	1.2 %	1.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.5038 ppm	0.0744 ppm	0.0000 ppm	67.0321 ppm	0.0003 ppm	0.0048 ppm	-0.0040 ppm
Concentration per Run 1	12.5659 ppm	0.0746 ppm	0.0004 ppm	67.3511 ppm	0.0010 ppm	0.0045 ppm	0.0029 ppm
Concentration per Run 2	12.4074 ppm	0.0744 ppm	0.0010 ppm	67.1757 ppm	0.0004 ppm	0.0052 ppm	-0.0055 ppm
Concentration per Run 3	12.5381 ppm	0.0741 ppm	-0.0015 ppm	66.5696 ppm	-0.0004 ppm	0.0046 ppm	-0.0095 ppm
Concentration RSD	0.7 %	0.3 %	6.449.9 %	0.6 %	207.6 %	7.9 %	157.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0039 ppm	1.6839 ppm	-0.0014 ppm	0.1443 ppm	0.0284 ppm	0.0030 ppm	0.0030 ppm
Concentration per Run 1	0.0064 ppm	1.6826 ppm	-0.0009 ppm	0.1453 ppm	0.0282 ppm	0.0061 ppm	0.0033 ppm
Concentration per Run 2	0.0031 ppm	1.6732 ppm	-0.0031 ppm	0.1446 ppm	0.0286 ppm	-0.0006 ppm	0.0030 ppm
Concentration per Run 3	0.0024 ppm	1.6961 ppm	-0.0001 ppm	0.1428 ppm	0.0283 ppm	0.0035 ppm	0.0028 ppm
Concentration RSD	53.7 %	0.7 %	111.5 %	0.9 %	0.7 %	111.8 %	8.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0073 ppm	108.0553 %	100.8053 %	103.7110 %	99.5266 %	102.6659 %
Concentration per Run 1	0.0070 ppm	107.8874 %	99.7885 %	104.7296 %	105.0779 %	103.7864 %
Concentration per Run 2	0.0072 ppm	108.2830 %	101.1316 %	103.7924 %	106.5733 %	100.1325 %
Concentration per Run 3	0.0077 ppm	107.9955 %	101.4959 %	102.6109 %	105.3729 %	101.1971 %
Concentration RSD	5.3 %	0.2 %	0.9 %	1.0 %	0.7 %	0.8 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2110254-7 WG2110254

Analysis started at: 9/11/2025 12:53:14 PM

Rack 2

Vial 60

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0496 ppm	2.8239 ppm	0.1235 ppm	1.0634 ppm	2.0896 ppm	0.0523 ppm	34.8089 ppm
Concentration per Run 1	0.0499 ppm	2.8304 ppm	0.1241 ppm	1.0661 ppm	2.0956 ppm	0.0527 ppm	34.7067 ppm
Concentration per Run 2	0.0486 ppm	2.8256 ppm	0.1266 ppm	1.0548 ppm	2.0910 ppm	0.0521 ppm	34.9453 ppm
Concentration per Run 3	0.0503 ppm	2.8158 ppm	0.1198 ppm	1.0754 ppm	2.0823 ppm	0.0522 ppm	34.7748 ppm
Concentration RSD	1.8 %	0.3 %	2.8 %	1.0 %	0.3 %	0.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0537 ppm	0.5073 ppm	0.2068 ppm	0.2607 ppm	2.2499 ppm	15.5322 ppm	0.0051 ppm
Concentration per Run 1	0.0537 ppm	0.5067 ppm	0.2076 ppm	0.2605 ppm	2.2661 ppm	15.5187 ppm	0.0036 ppm
Concentration per Run 2	0.0535 ppm	0.5045 ppm	0.2050 ppm	0.2583 ppm	2.2472 ppm	15.5204 ppm	0.0069 ppm
Concentration per Run 3	0.0541 ppm	0.5107 ppm	0.2079 ppm	0.2632 ppm	2.2364 ppm	15.5574 ppm	0.0048 ppm
Concentration RSD	0.5 %	0.6 %	0.8 %	0.9 %	0.7 %	0.1 %	32.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.5647 ppm	0.5943 ppm	0.9911 ppm	77.8029 ppm	0.5086 ppm	0.5400 ppm	0.4430 ppm
Concentration per Run 1	22.6027 ppm	0.5973 ppm	0.9873 ppm	77.5035 ppm	0.5092 ppm	0.5355 ppm	0.4366 ppm
Concentration per Run 2	22.4561 ppm	0.5926 ppm	0.9844 ppm	78.1830 ppm	0.5044 ppm	0.5437 ppm	0.4412 ppm
Concentration per Run 3	22.6352 ppm	0.5931 ppm	1.0016 ppm	77.7223 ppm	0.5123 ppm	0.5408 ppm	0.4511 ppm
Concentration RSD	0.4 %	0.4 %	0.9 %	0.4 %	0.8 %	0.8 %	1.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1257 ppm	3.1156 ppm	0.9166 ppm	1.1604 ppm	1.0486 ppm	0.1205 ppm	0.5298 ppm
Concentration per Run 1	0.1248 ppm	3.1279 ppm	0.9176 ppm	1.1687 ppm	1.0493 ppm	0.1180 ppm	0.5277 ppm
Concentration per Run 2	0.1271 ppm	3.0929 ppm	0.9094 ppm	1.1581 ppm	1.0419 ppm	0.1236 ppm	0.5274 ppm
Concentration per Run 3	0.1253 ppm	3.1259 ppm	0.9227 ppm	1.1545 ppm	1.0547 ppm	0.1198 ppm	0.5342 ppm
Concentration RSD	0.9 %	0.6 %	0.7 %	0.6 %	0.6 %	2.3 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5209 ppm	108.1633 %	100.7406 %	102.7636 %	105.3926 %	98.8840 %
Concentration per Run 1	0.5202 ppm	108.4771 %	100.4361 %	103.2445 %	105.6275 %	98.6213 %
Concentration per Run 2	0.5166 ppm	108.8798 %	100.6187 %	102.4733 %	105.7907 %	98.6890 %
Concentration per Run 3	0.5259 ppm	107.1330 %	101.1671 %	102.5731 %	104.7596 %	99.3418 %
Concentration RSD	0.9 %	0.8 %	0.4 %	0.4 %	0.5 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2110254-8 WG2110254

Analysis started at: 9/11/2025 12:56:31 PM

Rack 3

Vial 1

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	0.6173 ppm	-0.0012 ppm	0.0502 ppm	0.0350 ppm	0.0000 ppm	24.4102 ppm
Concentration per Run 1	-0.0006 ppm	0.6125 ppm	-0.0017 ppm	0.0523 ppm	0.0349 ppm	0.0000 ppm	24.4107 ppm
Concentration per Run 2	-0.0021 ppm	0.6255 ppm	-0.0008 ppm	0.0497 ppm	0.0351 ppm	-0.0001 ppm	24.3264 ppm
Concentration per Run 3	-0.0014 ppm	0.6138 ppm	-0.0010 ppm	0.0486 ppm	0.0351 ppm	0.0000 ppm	24.4936 ppm
Concentration RSD	52.3 %	1.2 %	44.4 %	3.7 %	0.4 %	59.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0003 ppm	0.0029 ppm	0.0031 ppm	1.2119 ppm	4.9455 ppm	0.0052 ppm
Concentration per Run 1	-0.0005 ppm	-0.0006 ppm	0.0026 ppm	0.0022 ppm	1.2102 ppm	4.9270 ppm	0.0056 ppm
Concentration per Run 2	-0.0004 ppm	-0.0001 ppm	0.0016 ppm	0.0032 ppm	1.2077 ppm	4.9442 ppm	0.0043 ppm
Concentration per Run 3	-0.0007 ppm	-0.0002 ppm	0.0045 ppm	0.0041 ppm	1.2178 ppm	4.9653 ppm	0.0057 ppm
Concentration RSD	30.8 %	81.7 %	51.0 %	30.4 %	0.4 %	0.4 %	14.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.5463 ppm	0.0738 ppm	0.0084 ppm	66.8505 ppm	0.0024 ppm	0.0045 ppm	0.0089 ppm
Concentration per Run 1	12.6235 ppm	0.0738 ppm	0.0099 ppm	66.6039 ppm	0.0019 ppm	0.0046 ppm	0.0061 ppm
Concentration per Run 2	12.5016 ppm	0.0736 ppm	0.0078 ppm	66.2519 ppm	0.0026 ppm	0.0047 ppm	0.0074 ppm
Concentration per Run 3	12.5138 ppm	0.0741 ppm	0.0074 ppm	67.6958 ppm	0.0028 ppm	0.0044 ppm	0.0131 ppm
Concentration RSD	0.5 %	0.3 %	15.8 %	1.1 %	17.8 %	4.0 %	41.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	1.7347 ppm	0.0094 ppm	0.1434 ppm	0.0293 ppm	0.0053 ppm	0.0029 ppm
Concentration per Run 1	0.0032 ppm	1.7496 ppm	0.0081 ppm	0.1429 ppm	0.0295 ppm	0.0030 ppm	0.0027 ppm
Concentration per Run 2	0.0054 ppm	1.7300 ppm	0.0100 ppm	0.1436 ppm	0.0290 ppm	0.0051 ppm	0.0031 ppm
Concentration per Run 3	0.0033 ppm	1.7245 ppm	0.0102 ppm	0.1437 ppm	0.0295 ppm	0.0077 ppm	0.0029 ppm
Concentration RSD	32.3 %	0.8 %	12.6 %	0.3 %	1.1 %	44.6 %	7.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0070 ppm	107.9539 %	100.6094 %	104.0692 %	105.6910 %	99.3757 %	103.2777 %
Concentration per Run 1	0.0076 ppm	106.5715 %	101.2186 %	102.5927 %	105.0446 %	99.8356 %	102.0156 %
Concentration per Run 2	0.0069 ppm	108.8334 %	100.7862 %	104.4476 %	106.3241 %	99.8886 %	104.1696 %
Concentration per Run 3	0.0066 ppm	108.4567 %	99.8234 %	105.1674 %	105.7042 %	98.4029 %	103.6477 %
Concentration RSD	7.3 %	1.1 %	0.7 %	1.3 %	0.6 %	0.8 %	1.1 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2110254-9 WG2110254

Analysis started at: 9/11/2025 12:59:48 PM

Rack 3

Vial 2

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0461 ppm	2.5428 ppm	0.1134 ppm	1.0068 ppm	1.9315 ppm	0.0483 ppm	33.4653 ppm
Concentration per Run 1	0.0475 ppm	2.5398 ppm	0.1138 ppm	0.9980 ppm	1.9229 ppm	0.0482 ppm	33.5771 ppm
Concentration per Run 2	0.0455 ppm	2.5366 ppm	0.1136 ppm	1.0108 ppm	1.9345 ppm	0.0483 ppm	33.3215 ppm
Concentration per Run 3	0.0454 ppm	2.5519 ppm	0.1130 ppm	1.0115 ppm	1.9371 ppm	0.0484 ppm	33.4972 ppm
Concentration RSD	2.5 %	0.3 %	0.4 %	0.8 %	0.4 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0496 ppm	0.4725 ppm	0.1916 ppm	0.2413 ppm	2.1099 ppm	14.8153 ppm	0.0046 ppm
Concentration per Run 1	0.0499 ppm	0.4702 ppm	0.1899 ppm	0.2403 ppm	2.1096 ppm	14.7748 ppm	0.0053 ppm
Concentration per Run 2	0.0494 ppm	0.4726 ppm	0.1930 ppm	0.2411 ppm	2.1102 ppm	14.8380 ppm	0.0048 ppm
Concentration per Run 3	0.0495 ppm	0.4746 ppm	0.1919 ppm	0.2426 ppm	2.1099 ppm	14.8331 ppm	0.0040 ppm
Concentration RSD	0.6 %	0.5 %	0.8 %	0.5 %	0.0 %	0.2 %	14.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	21.6262 ppm	0.5553 ppm	0.9388 ppm	75.0787 ppm	0.4738 ppm	0.5051 ppm	0.3087 ppm
Concentration per Run 1	21.5901 ppm	0.5552 ppm	0.9327 ppm	75.0953 ppm	0.4736 ppm	0.4994 ppm	0.3074 ppm
Concentration per Run 2	21.5972 ppm	0.5528 ppm	0.9387 ppm	75.2194 ppm	0.4755 ppm	0.5055 ppm	0.2999 ppm
Concentration per Run 3	21.6914 ppm	0.5579 ppm	0.9451 ppm	74.9212 ppm	0.4724 ppm	0.5106 ppm	0.3189 ppm
Concentration RSD	0.3 %	0.5 %	0.7 %	0.2 %	0.3 %	1.1 %	3.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1173 ppm	2.3085 ppm	0.9018 ppm	1.0862 ppm	0.9905 ppm	0.1137 ppm	0.4889 ppm
Concentration per Run 1	0.1202 ppm	2.3104 ppm	0.9033 ppm	1.0797 ppm	0.9865 ppm	0.1100 ppm	0.4888 ppm
Concentration per Run 2	0.1145 ppm	2.3099 ppm	0.9018 ppm	1.0847 ppm	0.9923 ppm	0.1154 ppm	0.4877 ppm
Concentration per Run 3	0.1172 ppm	2.3053 ppm	0.9001 ppm	1.0940 ppm	0.9929 ppm	0.1157 ppm	0.4903 ppm
Concentration RSD	2.4 %	0.1 %	0.2 %	0.7 %	0.4 %	2.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4838 ppm	107.3651 %	100.4016 %	103.1522 %	104.6712 %	98.8164 %	101.3334 %
Concentration per Run 1	0.4838 ppm	108.2083 %	99.7386 %	102.9733 %	105.0707 %	97.9951 %	100.7788 %
Concentration per Run 2	0.4839 ppm	106.4644 %	100.6249 %	103.7908 %	103.8927 %	98.9611 %	101.8665 %
Concentration per Run 3	0.4838 ppm	107.4227 %	100.8413 %	102.6925 %	105.0502 %	99.4928 %	101.3550 %
Concentration RSD	0.0 %	0.8 %	0.6 %	0.6 %	0.6 %	0.8 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2110254-10D5 WG2110254

Analysis started at: 9/11/2025 1:03:05 PM

Rack 3

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0015 ppm	0.1197 ppm	-0.0030 ppm	0.0111 ppm	0.0071 ppm	-0.0001 ppm	4.8972 ppm
Concentration per Run 1	-0.0019 ppm	0.1218 ppm	-0.0041 ppm	0.0103 ppm	0.0071 ppm	-0.0001 ppm	4.8928 ppm
Concentration per Run 2	-0.0010 ppm	0.1162 ppm	-0.0020 ppm	0.0100 ppm	0.0071 ppm	-0.0001 ppm	4.9213 ppm
Concentration per Run 3	-0.0016 ppm	0.1210 ppm	-0.0028 ppm	0.0130 ppm	0.0072 ppm	0.0000 ppm	4.8776 ppm
Concentration RSD	30.9 %	2.6 %	35.5 %	14.8 %	0.8 %	42.3 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	-0.0003 ppm	0.0007 ppm	0.0004 ppm	0.0004 ppm	0.9965 ppm	0.0013 ppm
Concentration per Run 1	-0.0007 ppm	-0.0011 ppm	0.0018 ppm	0.0011 ppm	0.0020 ppm	0.9969 ppm	0.0020 ppm
Concentration per Run 2	-0.0005 ppm	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0002 ppm	0.9896 ppm	0.0008 ppm
Concentration per Run 3	-0.0005 ppm	0.0003 ppm	0.0002 ppm	-0.0004 ppm	0.0002 ppm	1.0029 ppm	0.0013 ppm
Concentration RSD	17.4 %	224.4 %	126.3 %	168.7 %	2.1 %	0.7 %	43.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.5289 ppm	0.0152 ppm	0.0074 ppm	13.6189 ppm	-0.0002 ppm	0.0038 ppm	0.0505 ppm
Concentration per Run 1	2.5335 ppm	0.0153 ppm	0.0077 ppm	13.5607 ppm	0.0016 ppm	0.0002 ppm	0.0501 ppm
Concentration per Run 2	2.5187 ppm	0.0151 ppm	0.0086 ppm	13.6681 ppm	-0.0002 ppm	0.0029 ppm	0.0547 ppm
Concentration per Run 3	2.5344 ppm	0.0151 ppm	0.0061 ppm	13.6297 ppm	-0.0019 ppm	0.0084 ppm	0.0465 ppm
Concentration RSD	0.4 %	0.9 %	17.1 %	0.4 %	1.080.2 %	110.0 %	8.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0026 ppm	0.3258 ppm	0.0247 ppm	0.0289 ppm	0.0079 ppm	0.0027 ppm	0.0011 ppm
Concentration per Run 1	0.0022 ppm	0.3264 ppm	0.0268 ppm	0.0289 ppm	0.0086 ppm	0.0042 ppm	0.0011 ppm
Concentration per Run 2	0.0031 ppm	0.3229 ppm	0.0253 ppm	0.0290 ppm	0.0079 ppm	0.0027 ppm	0.0010 ppm
Concentration per Run 3	0.0023 ppm	0.3281 ppm	0.0220 ppm	0.0287 ppm	0.0073 ppm	0.0013 ppm	0.0013 ppm
Concentration RSD	20.5 %	0.8 %	10.0 %	0.4 %	8.3 %	53.6 %	12.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0019 ppm	106.1571 %	100.4932 %	105.0694 %	103.8150 %	99.5456 %	104.5843 %
Concentration per Run 1	0.0019 ppm	106.6599 %	99.8967 %	107.9214 %	104.3155 %	98.8524 %	107.0593 %
Concentration per Run 2	0.0016 ppm	106.7748 %	101.0122 %	104.2147 %	104.7335 %	100.4000 %	104.4024 %
Concentration per Run 3	0.0023 ppm	105.0365 %	100.5708 %	103.0721 %	102.3960 %	99.3844 %	102.2912 %
Concentration RSD	18.8 %	0.9 %	0.6 %	2.4 %	1.2 %	0.8 %	2.3 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

CCV

Sample: Analysis started at: 9/11/2025 1:08:04 PM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4782 ppm	0.4737 ppm	0.4757 ppm	0.4893 ppm	0.4932 ppm	0.5016 ppm	0.4963 ppm
Concentration per Run 1	0.4773 ppm	0.4786 ppm	0.4735 ppm	0.4852 ppm	0.4927 ppm	0.5005 ppm	0.4994 ppm
Concentration per Run 2	0.4761 ppm	0.4754 ppm	0.4744 ppm	0.4869 ppm	0.4950 ppm	0.5040 ppm	0.4948 ppm
Concentration per Run 3	0.4811 ppm	0.4672 ppm	0.4792 ppm	0.4958 ppm	0.4920 ppm	0.5003 ppm	0.4948 ppm
Recovery Percentage 1	95.634 %	94.745 %	95.139 %	97.855 %	98.649 %	100.315 %	99.266 %
Concentration RSD	0.5 %	1.2 %	0.6 %	1.2 %	0.3 %	0.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4968 ppm	0.4999 ppm	0.4985 ppm	0.4927 ppm	0.4893 ppm	5.1125 ppm	0.5156 ppm
Concentration per Run 1	0.4948 ppm	0.4995 ppm	0.4943 ppm	0.4894 ppm	0.4851 ppm	5.1319 ppm	0.5182 ppm
Concentration per Run 2	0.4944 ppm	0.4964 ppm	0.4960 ppm	0.4902 ppm	0.4930 ppm	5.0911 ppm	0.5183 ppm
Concentration per Run 3	0.5011 ppm	0.5039 ppm	0.5047 ppm	0.4986 ppm	0.4897 ppm	5.1144 ppm	0.5103 ppm
Recovery Percentage 1	99.353 %	99.981 %	99.705 %	98.543 %	97.854 %	102.249 %	103.125 %
Concentration RSD	0.8 %	0.8 %	1.1 %	1.0 %	0.8 %	0.4 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4982 ppm	0.5095 ppm	0.4916 ppm	10.2079 ppm	0.4984 ppm	0.5007 ppm	0.5137 ppm
Concentration per Run 1	0.4960 ppm	0.5058 ppm	0.4893 ppm	10.2773 ppm	0.4970 ppm	0.5024 ppm	0.5233 ppm
Concentration per Run 2	0.4974 ppm	0.5115 ppm	0.4880 ppm	10.1756 ppm	0.4929 ppm	0.4981 ppm	0.5080 ppm
Concentration per Run 3	0.5012 ppm	0.5112 ppm	0.4977 ppm	10.1707 ppm	0.5053 ppm	0.5017 ppm	0.5096 ppm
Recovery Percentage 1	99.644 %	101.900 %	98.327 %	102.079 %	99.681 %	100.142 %	102.730 %
Concentration RSD	0.5 %	0.6 %	1.1 %	0.6 %	1.3 %	0.5 %	1.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4880 ppm	5.2112 ppm	0.4854 ppm	0.4991 ppm	0.4953 ppm	0.4842 ppm	0.5022 ppm
Concentration per Run 1	0.4828 ppm	5.1765 ppm	0.4825 ppm	0.4936 ppm	0.4938 ppm	0.4810 ppm	0.5009 ppm
Concentration per Run 2	0.4880 ppm	5.1911 ppm	0.4794 ppm	0.4999 ppm	0.4929 ppm	0.4870 ppm	0.4991 ppm
Concentration per Run 3	0.4932 ppm	5.2658 ppm	0.4943 ppm	0.4979 ppm	0.4991 ppm	0.4847 ppm	0.5065 ppm
Recovery Percentage 1	97.600 %	99.260 %	97.079 %	99.823 %	99.056 %	96.849 %	100.433 %
Concentration RSD	1.1 %	0.9 %	1.6 %	0.2 %	0.7 %	0.6 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5046 ppm	105.7576 %	99.9109 %	101.4590 %	103.0444 %	98.8204 %	99.7849 %
Concentration per Run 1	0.5013 ppm	106.3102 %	100.0423 %	101.1672 %	103.0203 %	98.8314 %	99.6379 %
Concentration per Run 2	0.5029 ppm	106.1414 %	100.2531 %	101.8656 %	103.4338 %	99.0802 %	99.7792 %
Concentration per Run 3	0.5095 ppm	104.8211 %	99.4374 %	101.3443 %	102.6790 %	98.5495 %	99.9376 %
Recovery Percentage 1	100.915 %						
Concentration RSD	0.9 %	0.8 %	0.4 %	0.4 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB

Analysis started at: 9/11/2025 1:11:28 PM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0012 ppm	-0.0203 ppm	-0.0005 ppm	-0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run 1	-0.0010 ppm	-0.0225 ppm	-0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0044 ppm
Concentration per Run 2	-0.0013 ppm	-0.0223 ppm	0.0010 ppm	-0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0040 ppm
Concentration per Run 3	-0.0012 ppm	-0.0163 ppm	-0.0024 ppm	-0.0018 ppm	-0.0002 ppm	0.0000 ppm	0.0010 ppm
Recovery Percentage 1	-16.825 %	-20.342 %	-9.241 %	-3.688 %	-0.241 %	0.323 %	3.114 %
Concentration RSD	14.8 %	17.3 %	374.4 %	63.1 %	693.6 %	240.5 %	58.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0006 ppm	0.0009 ppm	0.0005 ppm	-0.0007 ppm	-0.0013 ppm	-0.0005 ppm
Concentration per Run 1	0.0002 ppm	-0.0003 ppm	0.0006 ppm	0.0007 ppm	-0.0009 ppm	0.0115 ppm	-0.0001 ppm
Concentration per Run 2	0.0003 ppm	-0.0003 ppm	0.0013 ppm	0.0006 ppm	-0.0021 ppm	-0.0093 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0013 ppm	0.0008 ppm	0.0001 ppm	0.0009 ppm	-0.0061 ppm	-0.0008 ppm
Recovery Percentage 1	2.617 %	-3.153 %	8.839 %	4.503 %	-1.383 %	-0.052 %	-10.372 %
Concentration RSD	116.9 %	93.1 %	38.5 %	77.1 %	216.7 %	865.4 %	63.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0088 ppm	0.0003 ppm	0.0019 ppm	-0.0251 ppm	-0.0006 ppm	0.0010 ppm	0.0088 ppm
Concentration per Run 1	0.0066 ppm	0.0001 ppm	0.0027 ppm	-0.0226 ppm	-0.0004 ppm	0.0015 ppm	0.0064 ppm
Concentration per Run 2	0.0117 ppm	0.0004 ppm	0.0005 ppm	-0.0259 ppm	0.0008 ppm	0.0020 ppm	0.0085 ppm
Concentration per Run 3	0.0081 ppm	0.0003 ppm	0.0024 ppm	-0.0266 ppm	-0.0021 ppm	-0.0006 ppm	0.0115 ppm
Recovery Percentage 1	8.816 %	2.871 %	3.734 %	-1.253 %	-2.282 %	9.633 %	17.537 %
Concentration RSD	29.6 %	54.1 %	65.9 %	8.6 %	259.6 %	145.2 %	29.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0059 ppm	-0.0110 ppm	0.0018 ppm	0.0001 ppm	0.0023 ppm	-0.0011 ppm	0.0010 ppm
Concentration per Run 1	0.0041 ppm	-0.0129 ppm	0.0045 ppm	0.0001 ppm	0.0019 ppm	-0.0006 ppm	0.0014 ppm
Concentration per Run 2	0.0057 ppm	-0.0112 ppm	-0.0012 ppm	0.0001 ppm	0.0018 ppm	0.0004 ppm	0.0011 ppm
Concentration per Run 3	0.0079 ppm	-0.0087 ppm	0.0022 ppm	0.0001 ppm	0.0032 ppm	-0.0033 ppm	0.0007 ppm
Recovery Percentage 1	58.817 %	-2.191 %	3.656 %	1.100 %	22.863 %	-5.695 %	10.378 %
Concentration RSD	32.8 %	19.6 %	156.0 %	29.5 %	33.9 %	166.6 %	33.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	104.8332 %	98.9661 %	100.7947 %	103.2791 %	98.7368 %	100.6341 %
Concentration per Run 1	0.0001 ppm	104.6638 %	98.9284 %	100.5988 %	103.2699 %	98.6515 %	100.2058 %
Concentration per Run 2	-0.0002 ppm	104.8925 %	99.5305 %	101.4362 %	103.1109 %	99.1228 %	101.4302 %
Concentration per Run 3	0.0002 ppm	104.9433 %	98.4393 %	100.3490 %	103.4566 %	98.4360 %	100.2663 %
Recovery Percentage 1	0.801 %	0.1 %	0.6 %	0.6 %	0.2 %	0.4 %	0.7 %
Concentration RSD	610.6 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xLLOQ_005ppm

Analysis started at: 9/11/2025 1:18:24 PM

Rack 3

Vial 21

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0044 ppm	-0.0068 ppm	0.0038 ppm	0.0049 ppm	0.0054 ppm	0.0053 ppm	0.0069 ppm
Concentration per Run 1	0.0051 ppm	-0.0071 ppm	0.0057 ppm	0.0042 ppm	0.0054 ppm	0.0053 ppm	0.0037 ppm
Concentration per Run 2	0.0054 ppm	-0.0046 ppm	0.0037 ppm	0.0042 ppm	0.0053 ppm	0.0053 ppm	0.0079 ppm
Concentration per Run 3	0.0028 ppm	-0.0088 ppm	0.0021 ppm	0.0062 ppm	0.0055 ppm	0.0054 ppm	0.0091 ppm
Recovery Percentage 1	88.796 %	0.000 %	76.408 %	0.000 %	0.000 %	106.168 %	0.000 %
Concentration RSD	32.1 %	31.3 %	46.8 %	22.5 %	2.4 %	1.0 %	41.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0051 ppm	0.0036 ppm	0.0053 ppm	0.0054 ppm	0.0035 ppm	0.0446 ppm	0.0060 ppm
Concentration per Run 1	0.0050 ppm	0.0046 ppm	0.0048 ppm	0.0067 ppm	0.0046 ppm	0.0391 ppm	0.0055 ppm
Concentration per Run 2	0.0051 ppm	0.0027 ppm	0.0058 ppm	0.0055 ppm	0.0024 ppm	0.0570 ppm	0.0072 ppm
Concentration per Run 3	0.0052 ppm	0.0034 ppm	0.0053 ppm	0.0040 ppm	0.0034 ppm	0.0377 ppm	0.0054 ppm
Recovery Percentage 1	102.818 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	2.0 %	27.6 %	9.1 %	25.3 %	30.4 %	24.1 %	17.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0126 ppm	0.0056 ppm	0.0052 ppm	0.0829 ppm	0.0042 ppm	0.0072 ppm	0.0057 ppm
Concentration per Run 1	0.0161 ppm	0.0056 ppm	0.0056 ppm	0.0822 ppm	0.0038 ppm	0.0074 ppm	0.0073 ppm
Concentration per Run 2	0.0090 ppm	0.0056 ppm	0.0040 ppm	0.0844 ppm	0.0054 ppm	0.0081 ppm	0.0084 ppm
Concentration per Run 3	0.0126 ppm	0.0054 ppm	0.0060 ppm	0.0821 ppm	0.0034 ppm	0.0060 ppm	0.0014 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	28.1 %	2.1 %	20.2 %	1.6 %	24.9 %	14.4 %	66.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0100 ppm	0.0417 ppm	0.0042 ppm	0.0055 ppm	0.0069 ppm	0.0052 ppm	0.0058 ppm
Concentration per Run 1	0.0090 ppm	0.0447 ppm	0.0034 ppm	0.0054 ppm	0.0070 ppm	0.0048 ppm	0.0058 ppm
Concentration per Run 2	0.0091 ppm	0.0393 ppm	0.0051 ppm	0.0055 ppm	0.0067 ppm	0.0049 ppm	0.0059 ppm
Concentration per Run 3	0.0119 ppm	0.0412 ppm	0.0042 ppm	0.0055 ppm	0.0070 ppm	0.0059 ppm	0.0056 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	16.1 %	6.6 %	20.6 %	1.0 %	3.0 %	11.7 %	2.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0058 ppm	105.2303 %	98.4238 %	102.6362 %	103.4622 %	99.1408 %	101.9666 %
Concentration per Run 1	0.0054 ppm	106.2445 %	98.4278 %	103.0125 %	104.3935 %	98.8116 %	102.2779 %
Concentration per Run 2	0.0061 ppm	103.8680 %	98.5479 %	102.1618 %	102.1306 %	99.8011 %	101.7936 %
Concentration per Run 3	0.0060 ppm	105.5784 %	98.2957 %	102.7342 %	103.8624 %	98.8097 %	101.8282 %
Recovery Percentage 1	116.811 %	1.2 %	0.1 %	0.4 %	1.1 %	0.6 %	0.3 %
Concentration RSD	6.5 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: xLLOQ.01ppm
Analysis started at: 9/11/2025 1:21:47 PM
Rack 3
Vial 22
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	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0095 ppm	-0.0020 ppm	0.0082 ppm	0.0088 ppm	0.0103 ppm	0.0101 ppm	0.0162 ppm
Concentration per Run 1	0.0091 ppm	0.0028 ppm	0.0092 ppm	0.0082 ppm	0.0102 ppm	0.0102 ppm	0.0195 ppm
Concentration per Run 2	0.0101 ppm	-0.0032 ppm	0.0100 ppm	0.0091 ppm	0.0103 ppm	0.0101 ppm	0.0137 ppm
Concentration per Run 3	0.0093 ppm	-0.0056 ppm	0.0053 ppm	0.0091 ppm	0.0103 ppm	0.0101 ppm	0.0153 ppm
Recovery Percentage 1	0.000 %	0.000 %	81.561 %	87.933 %	102.660 %	0.000 %	0.000 %
Concentration RSD	5.2 %	215.1 %	30.6 %	6.2 %	0.3 %	0.6 %	18.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0099 ppm	0.0090 ppm	0.0115 ppm	0.0105 ppm	0.0094 ppm	0.0954 ppm	0.0120 ppm
Concentration per Run 1	0.0102 ppm	0.0081 ppm	0.0115 ppm	0.0103 ppm	0.0095 ppm	0.0998 ppm	0.0121 ppm
Concentration per Run 2	0.0100 ppm	0.0101 ppm	0.0109 ppm	0.0108 ppm	0.0106 ppm	0.0830 ppm	0.0137 ppm
Concentration per Run 3	0.0097 ppm	0.0088 ppm	0.0120 ppm	0.0103 ppm	0.0081 ppm	0.1034 ppm	0.0101 ppm
Recovery Percentage 1	0.000 %	89.922 %	114.821 %	104.602 %	0.000 %	0.000 %	119.705 %
Concentration RSD	2.7 %	11.5 %	5.1 %	2.9 %	13.0 %	11.4 %	15.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0181 ppm	0.0126 ppm	0.0094 ppm	0.1863 ppm	0.0103 ppm	0.0126 ppm	0.0077 ppm
Concentration per Run 1	0.0173 ppm	0.0126 ppm	0.0092 ppm	0.1842 ppm	0.0105 ppm	0.0128 ppm	0.0165 ppm
Concentration per Run 2	0.0169 ppm	0.0127 ppm	0.0094 ppm	0.1885 ppm	0.0105 ppm	0.0094 ppm	0.0020 ppm
Concentration per Run 3	0.0200 ppm	0.0125 ppm	0.0096 ppm	0.1862 ppm	0.0097 ppm	0.0157 ppm	0.0045 ppm
Recovery Percentage 1	0.000 %	126.135 %	94.451 %	0.000 %	102.577 %	125.900 %	0.000 %
Concentration RSD	9.4 %	0.9 %	2.2 %	1.1 %	4.7 %	25.1 %	101.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0127 ppm	0.0914 ppm	0.0104 ppm	0.0104 ppm	0.0120 ppm	0.0119 ppm	0.0114 ppm
Concentration per Run 1	0.0141 ppm	0.0922 ppm	0.0099 ppm	0.0104 ppm	0.0120 ppm	0.0087 ppm	0.0103 ppm
Concentration per Run 2	0.0143 ppm	0.0937 ppm	0.0123 ppm	0.0103 ppm	0.0119 ppm	0.0123 ppm	0.0121 ppm
Concentration per Run 3	0.0096 ppm	0.0883 ppm	0.0090 ppm	0.0105 ppm	0.0120 ppm	0.0145 ppm	0.0118 ppm
Recovery Percentage 1	126.894 %	0.000 %	103.740 %	103.833 %	119.609 %	118.647 %	113.820 %
Concentration RSD	20.8 %	3.0 %	16.5 %	0.6 %	0.7 %	24.6 %	8.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0111 ppm	106.4313 %	100.5715 %	102.8079 %	104.4977 %	100.4173 %	102.1705 %
Concentration per Run 1	0.0110 ppm	105.7010 %	100.6636 %	102.2720 %	104.2533 %	100.2962 %	101.9753 %
Concentration per Run 2	0.0106 ppm	106.8992 %	100.0891 %	104.8526 %	100.9887 %	100.9887 %	102.7188 %
Concentration per Run 3	0.0118 ppm	106.6936 %	100.9617 %	102.5309 %	104.3871 %	100.8570 %	101.8175 %
Recovery Percentage 1	111.397 %	0.6 %	0.4 %	0.7 %	0.3 %	0.4 %	0.5 %
Concentration RSD	5.7 %						

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2554883-01 WG2110254

Analysis started at: 9/11/2025 1:27:54 PM

Rack 3

Vial 9

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	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0020 ppm	0.3310 ppm	-0.0027 ppm	0.0788 ppm	0.0310 ppm	0.0000 ppm	27.1954 ppm
Concentration per Run 1	-0.0014 ppm	0.3294 ppm	-0.0011 ppm	0.0798 ppm	0.0312 ppm	-0.0001 ppm	27.1864 ppm
Concentration per Run 2	-0.0023 ppm	0.3293 ppm	-0.0037 ppm	0.0748 ppm	0.0309 ppm	0.0000 ppm	27.2762 ppm
Concentration per Run 3	-0.0021 ppm	0.3342 ppm	-0.0034 ppm	0.0818 ppm	0.0308 ppm	0.0000 ppm	27.1235 ppm
Concentration RSD	23.1 %	0.8 %	52.1 %	4.6 %	0.7 %	118.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0004 ppm	0.0029 ppm	0.0020 ppm	0.5954 ppm	7.5938 ppm	0.0061 ppm
Concentration per Run 1	-0.0005 ppm	0.0003 ppm	0.0039 ppm	0.0021 ppm	0.5917 ppm	7.5741 ppm	0.0055 ppm
Concentration per Run 2	-0.0006 ppm	0.0002 ppm	0.0022 ppm	0.0026 ppm	0.6015 ppm	7.6296 ppm	0.0053 ppm
Concentration per Run 3	-0.0004 ppm	0.0008 ppm	0.0027 ppm	0.0014 ppm	0.5930 ppm	7.5777 ppm	0.0075 ppm
Concentration RSD	25.0 %	77.3 %	29.4 %	31.1 %	0.9 %	0.4 %	19.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.6395 ppm	0.0342 ppm	0.0015 ppm	137.4157 ppm	0.0014 ppm	0.0047 ppm	-0.0001 ppm
Concentration per Run 1	20.6131 ppm	0.0343 ppm	0.0002 ppm	137.3445 ppm	0.0028 ppm	0.0037 ppm	-0.0025 ppm
Concentration per Run 2	20.6241 ppm	0.0340 ppm	0.0026 ppm	138.0153 ppm	0.0007 ppm	0.0063 ppm	0.0011 ppm
Concentration per Run 3	20.6811 ppm	0.0342 ppm	0.0017 ppm	136.8874 ppm	0.0007 ppm	0.0040 ppm	0.0011 ppm
Concentration RSD	0.2 %	0.5 %	79.2 %	0.4 %	90.8 %	30.5 %	2,180.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	1.2489 ppm	-0.0031 ppm	0.1942 ppm	0.0166 ppm	0.0052 ppm	0.0029 ppm
Concentration per Run 1	0.0061 ppm	1.2501 ppm	-0.0033 ppm	0.1944 ppm	0.0154 ppm	0.0025 ppm	0.0025 ppm
Concentration per Run 2	-0.0001 ppm	1.2455 ppm	-0.0036 ppm	0.1948 ppm	0.0172 ppm	0.0058 ppm	0.0030 ppm
Concentration per Run 3	0.0046 ppm	1.2510 ppm	-0.0025 ppm	0.1934 ppm	0.0173 ppm	0.0072 ppm	0.0032 ppm
Concentration RSD	92.3 %	0.2 %	18.8 %	0.4 %	6.5 %	46.1 %	11.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	109.6233 %	101.0030 %	104.7612 %	106.6293 %	99.5546 %	103.3449 %
Concentration per Run 1	0.0008 ppm	109.0947 %	100.9004 %	105.0401 %	106.8659 %	99.3168 %	103.5349 %
Concentration per Run 2	0.0004 ppm	110.2001 %	101.1183 %	104.6943 %	106.2676 %	99.7910 %	102.9256 %
Concentration per Run 3	0.0004 ppm	109.5750 %	100.9903 %	104.5492 %	106.7545 %	99.5560 %	103.5743 %
Concentration RSD	44.5 %	0.5 %	0.1 %	0.2 %	0.3 %	0.2 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554883-02 WG2110254

Analysis started at: 9/11/2025 1:31:14 PM

Rack 3

Vial 10

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	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0017 ppm	0.4120 ppm	-0.0005 ppm	0.0796 ppm	0.0316 ppm	0.0000 ppm	27.0170 ppm
Concentration per Run 1	-0.0019 ppm	0.4093 ppm	-0.0016 ppm	0.0788 ppm	0.0315 ppm	-0.0001 ppm	26.9900 ppm
Concentration per Run 2	-0.0018 ppm	0.4118 ppm	-0.0015 ppm	0.0809 ppm	0.0314 ppm	0.0000 ppm	27.0901 ppm
Concentration per Run 3	-0.0013 ppm	0.4149 ppm	0.0015 ppm	0.0791 ppm	0.0317 ppm	-0.0001 ppm	26.9709 ppm
Concentration RSD	17.7 %	0.7 %	337.5 %	1.4 %	0.5 %	183.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0011 ppm	0.0014 ppm	0.0025 ppm	0.7492 ppm	7.6301 ppm	0.0054 ppm
Concentration per Run 1	-0.0004 ppm	-0.0001 ppm	0.0020 ppm	0.0028 ppm	0.7476 ppm	7.6691 ppm	0.0060 ppm
Concentration per Run 2	-0.0002 ppm	-0.0014 ppm	0.0013 ppm	0.0032 ppm	0.7488 ppm	7.6212 ppm	0.0050 ppm
Concentration per Run 3	0.0000 ppm	-0.0018 ppm	0.0009 ppm	0.0015 ppm	0.7513 ppm	7.6000 ppm	0.0054 ppm
Concentration RSD	95.8 %	81.2 %	40.3 %	36.1 %	0.3 %	0.5 %	9.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.6350 ppm	0.0437 ppm	0.0007 ppm	137.2337 ppm	0.0024 ppm	0.0031 ppm	0.0004 ppm
Concentration per Run 1	20.6335 ppm	0.0434 ppm	-0.0001 ppm	137.2931 ppm	0.0001 ppm	-0.0031 ppm	-0.0014 ppm
Concentration per Run 2	20.7004 ppm	0.0439 ppm	0.0019 ppm	136.6542 ppm	0.0039 ppm	0.0025 ppm	-0.0066 ppm
Concentration per Run 3	20.5711 ppm	0.0437 ppm	0.0003 ppm	137.7537 ppm	0.0031 ppm	0.0039 ppm	0.0092 ppm
Concentration RSD	0.3 %	0.6 %	158.0 %	0.4 %	85.4 %	22.3 %	2,003.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	1.4011 ppm	-0.0035 ppm	0.1951 ppm	0.0204 ppm	0.0018 ppm	0.0033 ppm
Concentration per Run 1	0.0056 ppm	1.4084 ppm	-0.0045 ppm	0.1951 ppm	0.0215 ppm	0.0056 ppm	0.0025 ppm
Concentration per Run 2	0.0008 ppm	1.4082 ppm	-0.0019 ppm	0.1952 ppm	0.0194 ppm	-0.0023 ppm	0.0034 ppm
Concentration per Run 3	0.0028 ppm	1.3866 ppm	-0.0040 ppm	0.1951 ppm	0.0204 ppm	0.0020 ppm	0.0040 ppm
Concentration RSD	79.0 %	0.9 %	39.0 %	0.0 %	5.1 %	219.1 %	22.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0017 ppm	110.3349 %	101.3453 %	106.5129 %	107.5855 %	99.7493 %	104.9439 %
Concentration per Run 1	0.0015 ppm	109.6871 %	101.5562 %	106.6298 %	107.3982 %	99.8664 %	104.5340 %
Concentration per Run 2	0.0017 ppm	111.2230 %	100.7764 %	107.2738 %	108.2236 %	99.0707 %	106.1807 %
Concentration per Run 3	0.0020 ppm	110.0946 %	101.7032 %	105.6349 %	107.1347 %	100.3108 %	104.1169 %
Concentration RSD	13.7 %	0.7 %	0.5 %	0.8 %	0.5 %	0.6 %	1.0 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2554883-03 WG2110254

Analysis started at: 9/11/2025 1:34:31 PM

Rack 3

Vial 11

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0013 ppm	0.4613 ppm	-0.0008 ppm	0.0799 ppm	0.0321 ppm	-0.0001 ppm	27.1908 ppm
Concentration per Run 1	-0.0008 ppm	0.4683 ppm	0.0009 ppm	0.0770 ppm	0.0322 ppm	0.0000 ppm	27.2134 ppm
Concentration per Run 2	-0.0015 ppm	0.4635 ppm	-0.0039 ppm	0.0816 ppm	0.0323 ppm	-0.0001 ppm	27.2529 ppm
Concentration per Run 3	-0.0015 ppm	0.4521 ppm	0.0005 ppm	0.0811 ppm	0.0319 ppm	-0.0001 ppm	27.1062 ppm
Concentration RSD	28.5 %	1.8 %	326.5 %	3.2 %	0.6 %	30.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0001 ppm	0.0026 ppm	0.0022 ppm	0.8399 ppm	7.6718 ppm	0.0065 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0031 ppm	0.0028 ppm	0.8393 ppm	7.6483 ppm	0.0071 ppm
Concentration per Run 2	-0.0007 ppm	-0.0003 ppm	0.0026 ppm	0.0028 ppm	0.8448 ppm	7.6902 ppm	0.0057 ppm
Concentration per Run 3	-0.0007 ppm	0.0001 ppm	0.0022 ppm	0.0011 ppm	0.8357 ppm	7.6771 ppm	0.0067 ppm
Concentration RSD	68.4 %	180.4 %	18.2 %	44.0 %	0.5 %	0.3 %	11.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.6007 ppm	0.0494 ppm	-0.0001 ppm	137.1391 ppm	0.0016 ppm	0.0048 ppm	-0.0024 ppm
Concentration per Run 1	20.5913 ppm	0.0494 ppm	0.0006 ppm	136.9322 ppm	-0.0007 ppm	0.0032 ppm	0.0026 ppm
Concentration per Run 2	20.6152 ppm	0.0493 ppm	0.0003 ppm	137.3587 ppm	0.0020 ppm	0.0065 ppm	0.0022 ppm
Concentration per Run 3	20.5955 ppm	0.0495 ppm	-0.0011 ppm	137.1263 ppm	0.0035 ppm	0.0048 ppm	-0.0119 ppm
Concentration RSD	0.1 %	0.2 %	1.329.1 %	0.2 %	134.9 %	34.3 %	349.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0017 ppm	1.4900 ppm	-0.0011 ppm	0.1953 ppm	0.0227 ppm	0.0019 ppm	0.0028 ppm
Concentration per Run 1	-0.0020 ppm	1.4926 ppm	-0.0008 ppm	0.1951 ppm	0.0233 ppm	0.0038 ppm	0.0021 ppm
Concentration per Run 2	0.0059 ppm	1.4909 ppm	-0.0023 ppm	0.1970 ppm	0.0233 ppm	-0.0021 ppm	0.0033 ppm
Concentration per Run 3	0.0012 ppm	1.4864 ppm	-0.0002 ppm	0.1938 ppm	0.0215 ppm	0.0039 ppm	0.0030 ppm
Concentration RSD	237.1 %	0.2 %	99.3 %	0.8 %	4.6 %	186.1 %	22.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0018 ppm	108.7378 %	100.5976 %	104.9738 %	106.2979 %	98.9793 %	103.6054 %
Concentration per Run 1	0.0019 ppm	108.8138 %	100.8203 %	104.1858 %	105.7376 %	99.5238 %	102.5342 %
Concentration per Run 2	0.0022 ppm	108.9636 %	100.5330 %	105.5765 %	106.3723 %	99.1875 %	104.4753 %
Concentration per Run 3	0.0014 ppm	108.4361 %	100.4396 %	105.1591 %	106.7838 %	98.2264 %	103.8066 %
Concentration RSD	21.8 %	0.2 %	0.2 %	0.7 %	0.5 %	0.7 %	1.0 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2554883-04 WG2110254

Analysis started at: 9/11/2025 1:37:48 PM

Rack 3

Vial 12

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0015 ppm	0.5149 ppm	-0.0018 ppm	0.0798 ppm	0.0327 ppm	-0.0001 ppm	27.2725 ppm
Concentration per Run 1	-0.0012 ppm	0.5033 ppm	-0.0005 ppm	0.0794 ppm	0.0327 ppm	-0.0001 ppm	27.0671 ppm
Concentration per Run 2	-0.0024 ppm	0.5196 ppm	-0.0025 ppm	0.0806 ppm	0.0326 ppm	-0.0001 ppm	27.2791 ppm
Concentration per Run 3	-0.0010 ppm	0.5219 ppm	-0.0024 ppm	0.0794 ppm	0.0328 ppm	-0.0001 ppm	27.4715 ppm
Concentration RSD	51.5 %	2.0 %	63.0 %	0.9 %	0.2 %	18.6 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0049 ppm	0.0037 ppm	0.9504 ppm	7.6652 ppm	0.0053 ppm
Concentration per Run 1	-0.0002 ppm	0.0004 ppm	0.0039 ppm	0.0030 ppm	0.9519 ppm	7.6110 ppm	0.0057 ppm
Concentration per Run 2	-0.0002 ppm	-0.0002 ppm	0.0065 ppm	0.0039 ppm	0.9459 ppm	7.6679 ppm	0.0049 ppm
Concentration per Run 3	-0.0003 ppm	0.0007 ppm	0.0041 ppm	0.0042 ppm	0.9535 ppm	7.7168 ppm	0.0052 ppm
Concentration RSD	38.5 %	146.3 %	30.0 %	16.7 %	0.4 %	0.7 %	7.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.6985 ppm	0.0552 ppm	0.0007 ppm	136.6676 ppm	0.0017 ppm	0.0064 ppm	0.0066 ppm
Concentration per Run 1	20.7304 ppm	0.0551 ppm	0.0003 ppm	135.0950 ppm	0.0030 ppm	0.0088 ppm	0.0045 ppm
Concentration per Run 2	20.6955 ppm	0.0551 ppm	0.0005 ppm	138.8511 ppm	0.0014 ppm	0.0058 ppm	0.0104 ppm
Concentration per Run 3	20.6695 ppm	0.0555 ppm	0.0012 ppm	138.0569 ppm	0.0006 ppm	0.0046 ppm	0.0048 ppm
Concentration RSD	0.1 %	0.4 %	73.2 %	1.1 %	73.4 %	33.7 %	51.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0033 ppm	1.5988 ppm	0.0001 ppm	0.1960 ppm	0.0246 ppm	0.0006 ppm	0.0025 ppm
Concentration per Run 1	0.0015 ppm	1.5991 ppm	0.0009 ppm	0.1958 ppm	0.0255 ppm	-0.0003 ppm	0.0028 ppm
Concentration per Run 2	0.0031 ppm	1.5985 ppm	-0.0019 ppm	0.1950 ppm	0.0248 ppm	-0.0009 ppm	0.0019 ppm
Concentration per Run 3	0.0052 ppm	1.5987 ppm	0.0013 ppm	0.1971 ppm	0.0234 ppm	0.0030 ppm	0.0027 ppm
Concentration RSD	57.0 %	0.0 %	3,198.4 %	0.5 %	4.3 %	356.7 %	21.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0029 ppm	109.0090 %	100.2924 %	105.4552 %	106.3969 %	98.8250 %	103.9439 %
Concentration per Run 1	0.0028 ppm	108.5088 %	100.9843 %	104.8470 %	105.5816 %	99.1479 %	104.3983 %
Concentration per Run 2	0.0031 ppm	109.5694 %	100.4890 %	105.5411 %	107.2660 %	98.9665 %	103.2134 %
Concentration per Run 3	0.0027 ppm	108.9489 %	99.4037 %	105.9773 %	106.3432 %	98.3607 %	104.2200 %
Concentration RSD	7.0 %	0.5 %	0.8 %	0.5 %	0.8 %	0.4 %	0.6 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2554883-05 WG2110254

Analysis started at: 9/11/2025 1:41:05 PM

Rack 3

Vial 13

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0018 ppm	0.2131 ppm	-0.0020 ppm	0.0577 ppm	0.0332 ppm	0.0000 ppm	25.2043 ppm
Concentration per Run 1	-0.0016 ppm	0.2169 ppm	-0.0023 ppm	0.0561 ppm	0.0336 ppm	0.0000 ppm	25.3806 ppm
Concentration per Run 2	-0.0008 ppm	0.2098 ppm	-0.0038 ppm	0.0565 ppm	0.0330 ppm	0.0000 ppm	25.0212 ppm
Concentration per Run 3	-0.0031 ppm	0.2127 ppm	0.0000 ppm	0.0605 ppm	0.0329 ppm	-0.0001 ppm	25.2111 ppm
Concentration RSD	64.2 %	1.7 %	94.7 %	4.2 %	1.1 %	23.0 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0001 ppm	0.0019 ppm	0.0025 ppm	0.4573 ppm	5.5394 ppm	0.0047 ppm
Concentration per Run 1	-0.0004 ppm	-0.0001 ppm	0.0012 ppm	0.0032 ppm	0.4571 ppm	5.5566 ppm	0.0053 ppm
Concentration per Run 2	-0.0003 ppm	0.0002 ppm	0.0023 ppm	0.0021 ppm	0.4557 ppm	5.5389 ppm	0.0049 ppm
Concentration per Run 3	-0.0003 ppm	0.0005 ppm	0.0020 ppm	0.0022 ppm	0.4591 ppm	5.5228 ppm	0.0039 ppm
Concentration RSD	17.9 %	1,150.0 %	30.5 %	24.1 %	0.4 %	0.3 %	15.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.3328 ppm	0.0407 ppm	0.0006 ppm	83.0090 ppm	0.0018 ppm	0.0047 ppm	-0.0021 ppm
Concentration per Run 1	14.3964 ppm	0.0407 ppm	-0.0001 ppm	83.8636 ppm	0.0016 ppm	0.0049 ppm	0.0023 ppm
Concentration per Run 2	14.2057 ppm	0.0404 ppm	0.0013 ppm	82.6434 ppm	0.0030 ppm	0.0057 ppm	-0.0054 ppm
Concentration per Run 3	14.3961 ppm	0.0410 ppm	0.0007 ppm	82.5201 ppm	0.0010 ppm	0.0037 ppm	-0.0032 ppm
Concentration RSD	0.8 %	0.7 %	109.4 %	0.9 %	54.5 %	20.7 %	189.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0041 ppm	0.9031 ppm	-0.0023 ppm	0.1561 ppm	0.0113 ppm	0.0007 ppm	0.0020 ppm
Concentration per Run 1	0.0009 ppm	0.9118 ppm	-0.0038 ppm	0.1582 ppm	0.0114 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 2	0.0061 ppm	0.8968 ppm	-0.0016 ppm	0.1543 ppm	0.0113 ppm	0.0042 ppm	0.0017 ppm
Concentration per Run 3	0.0054 ppm	0.9007 ppm	-0.0015 ppm	0.1559 ppm	0.0111 ppm	-0.0022 ppm	0.0021 ppm
Concentration RSD	67.6 %	0.9 %	55.8 %	1.3 %	1.1 %	497.4 %	13.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0038 ppm	109.2462 %	101.4558 %	104.3418 %	106.1450 %	99.6082 %	103.2572 %
Concentration per Run 1	0.0040 ppm	110.0880 %	100.7119 %	104.5524 %	107.0955 %	99.1541 %	104.0697 %
Concentration per Run 2	0.0035 ppm	108.8725 %	101.5105 %	104.3530 %	105.4071 %	99.3448 %	103.1803 %
Concentration per Run 3	0.0038 ppm	108.7782 %	102.1452 %	104.1200 %	105.9325 %	100.3257 %	102.5215 %
Concentration RSD	7.7 %	0.7 %	0.7 %	0.2 %	0.8 %	0.6 %	0.8 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2554883-06 WG2110254

Analysis started at: 9/11/2025 1:44:22 PM

Rack 3

Vial 14

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0016 ppm	0.3024 ppm	-0.0017 ppm	0.0582 ppm	0.0333 ppm	0.0000 ppm	25.7112 ppm
Concentration per Run 1	-0.0020 ppm	0.3016 ppm	-0.0039 ppm	0.0585 ppm	0.0336 ppm	-0.0001 ppm	25.8289 ppm
Concentration per Run 2	-0.0008 ppm	0.3007 ppm	-0.0016 ppm	0.0567 ppm	0.0332 ppm	0.0000 ppm	25.6619 ppm
Concentration per Run 3	-0.0019 ppm	0.3049 ppm	0.0003 ppm	0.0593 ppm	0.0330 ppm	0.0000 ppm	25.6429 ppm
Concentration RSD	42.9 %	0.7 %	120.5 %	2.3 %	0.9 %	30.0 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0007 ppm	0.0018 ppm	0.0032 ppm	0.5784 ppm	5.8625 ppm	0.0039 ppm
Concentration per Run 1	-0.0002 ppm	0.0002 ppm	0.0012 ppm	0.0024 ppm	0.5831 ppm	5.9134 ppm	0.0022 ppm
Concentration per Run 2	-0.0001 ppm	-0.0012 ppm	0.0025 ppm	0.0033 ppm	0.5753 ppm	5.8522 ppm	0.0038 ppm
Concentration per Run 3	-0.0005 ppm	-0.0012 ppm	0.0018 ppm	0.0040 ppm	0.5769 ppm	5.8218 ppm	0.0060 ppm
Concentration RSD	91.4 %	105.8 %	34.6 %	24.7 %	0.7 %	0.8 %	49.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.3040 ppm	0.0444 ppm	-0.0003 ppm	90.6078 ppm	0.0013 ppm	0.0043 ppm	-0.0011 ppm
Concentration per Run 1	15.3016 ppm	0.0446 ppm	0.0000 ppm	91.2832 ppm	-0.0010 ppm	0.0016 ppm	-0.0024 ppm
Concentration per Run 2	15.2849 ppm	0.0446 ppm	-0.0003 ppm	90.2903 ppm	0.0030 ppm	0.0055 ppm	-0.0055 ppm
Concentration per Run 3	15.3255 ppm	0.0440 ppm	-0.0005 ppm	90.2499 ppm	0.0020 ppm	0.0058 ppm	0.0044 ppm
Concentration RSD	0.1 %	0.8 %	106.5 %	0.6 %	153.4 %	55.0 %	445.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	1.1081 ppm	-0.0026 ppm	0.1628 ppm	0.0156 ppm	0.0012 ppm	0.0028 ppm
Concentration per Run 1	0.0032 ppm	1.1059 ppm	-0.0022 ppm	0.1642 ppm	0.0157 ppm	-0.0017 ppm	0.0038 ppm
Concentration per Run 2	0.0034 ppm	1.1080 ppm	-0.0021 ppm	0.1622 ppm	0.0149 ppm	0.0047 ppm	0.0024 ppm
Concentration per Run 3	-0.0005 ppm	1.1104 ppm	-0.0037 ppm	0.1621 ppm	0.0161 ppm	0.0006 ppm	0.0022 ppm
Concentration RSD	106.7 %	0.2 %	34.3 %	0.7 %	4.3 %	267.8 %	30.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0023 ppm	109.2768 %	102.3970 %	103.7923 %	106.1081 %	100.8083 %	102.7784 %
Concentration per Run 1	0.0023 ppm	109.1383 %	101.6784 %	102.2543 %	106.1532 %	99.6681 %	101.5772 %
Concentration per Run 2	0.0025 ppm	109.6496 %	101.9889 %	103.4547 %	106.3038 %	100.6079 %	102.9043 %
Concentration per Run 3	0.0020 ppm	109.0424 %	103.5237 %	105.6680 %	105.8672 %	102.1488 %	103.8536 %
Concentration RSD	10.6 %	0.3 %	1.0 %	1.7 %	0.2 %	1.2 %	1.1 %

ICP DataTrace 9

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LabBook: WG2113116_09102025T9.imexp

Sample: L2554883-07 WG2110254

Analysis started at: 9/11/2025 1:47:39 PM

Rack 3

Vial 15

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0018 ppm	1.0607 ppm	0.0172 ppm	0.0859 ppm	0.1003 ppm	0.0000 ppm	36.4758 ppm
Concentration per Run 1	-0.0020 ppm	1.0684 ppm	0.0209 ppm	0.0872 ppm	0.1007 ppm	0.0001 ppm	36.4447 ppm
Concentration per Run 2	-0.0019 ppm	1.0565 ppm	0.0163 ppm	0.0854 ppm	0.0998 ppm	0.0000 ppm	36.4250 ppm
Concentration per Run 3	-0.0016 ppm	1.0571 ppm	0.0142 ppm	0.0852 ppm	0.1003 ppm	0.0000 ppm	36.5578 ppm
Concentration RSD	12.7 %	0.6 %	19.9 %	1.2 %	0.5 %	295.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0021 ppm	0.0054 ppm	0.0055 ppm	3.9082 ppm	8.6469 ppm	0.0046 ppm
Concentration per Run 1	0.0000 ppm	0.0023 ppm	0.0059 ppm	0.0051 ppm	3.9243 ppm	8.7009 ppm	0.0059 ppm
Concentration per Run 2	-0.0007 ppm	0.0015 ppm	0.0042 ppm	0.0054 ppm	3.8867 ppm	8.5774 ppm	0.0033 ppm
Concentration per Run 3	-0.0004 ppm	0.0025 ppm	0.0062 ppm	0.0060 ppm	3.9137 ppm	8.6624 ppm	0.0047 ppm
Concentration RSD	97.4 %	24.9 %	20.5 %	8.7 %	0.5 %	0.7 %	28.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	16.8075 ppm	0.8021 ppm	0.0021 ppm	48.5549 ppm	0.0050 ppm	0.0103 ppm	0.0067 ppm
Concentration per Run 1	16.8286 ppm	0.8047 ppm	0.0012 ppm	48.4842 ppm	0.0041 ppm	0.0095 ppm	0.0111 ppm
Concentration per Run 2	16.8772 ppm	0.7983 ppm	0.0022 ppm	48.3732 ppm	0.0067 ppm	0.0144 ppm	0.0036 ppm
Concentration per Run 3	16.7168 ppm	0.8032 ppm	0.0029 ppm	48.8072 ppm	0.0042 ppm	0.0071 ppm	0.0054 ppm
Concentration RSD	0.5 %	0.4 %	39.3 %	0.5 %	30.5 %	35.8 %	57.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Str 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	8.9847 ppm	-0.0020 ppm	0.2309 ppm	0.0408 ppm	0.0005 ppm	0.0065 ppm
Concentration per Run 1	0.0001 ppm	9.0028 ppm	-0.0018 ppm	0.2321 ppm	0.0407 ppm	0.0032 ppm	0.0069 ppm
Concentration per Run 2	0.0046 ppm	9.0092 ppm	-0.0025 ppm	0.2295 ppm	0.0409 ppm	-0.0009 ppm	0.0059 ppm
Concentration per Run 3	0.0028 ppm	8.9421 ppm	-0.0017 ppm	0.2310 ppm	0.0407 ppm	-0.0007 ppm	0.0066 ppm
Concentration RSD	91.3 %	0.4 %	20.1 %	0.6 %	0.3 %	426.6 %	7.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0117 ppm	108.7745 %	101.8971 %	103.1609 %	105.3908 %	100.7580 %	102.4641 %
Concentration per Run 1	0.0121 ppm	108.4467 %	101.5488 %	102.3106 %	104.9313 %	100.6013 %	101.7024 %
Concentration per Run 2	0.0119 ppm	108.6202 %	103.1246 %	103.5758 %	106.1792 %	101.9030 %	102.7939 %
Concentration per Run 3	0.0112 ppm	109.2565 %	101.0179 %	103.5963 %	105.0620 %	99.7697 %	102.8960 %
Concentration RSD	4.0 %	0.4 %	1.1 %	0.7 %	0.7 %	1.1 %	0.6 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

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Sample: 9/11/2025 1:50:57 PM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4833 ppm	0.4723 ppm	0.4789 ppm	0.4931 ppm	0.4996 ppm	0.5074 ppm	0.5081 ppm
Concentration per Run 1	0.4850 ppm	0.4670 ppm	0.4814 ppm	0.4882 ppm	0.4965 ppm	0.5040 ppm	0.5046 ppm
Concentration per Run 2	0.4822 ppm	0.4743 ppm	0.4768 ppm	0.4948 ppm	0.4995 ppm	0.5077 ppm	0.5067 ppm
Concentration per Run 3	0.4826 ppm	0.4756 ppm	0.4784 ppm	0.4964 ppm	0.5026 ppm	0.5106 ppm	0.5129 ppm
Recovery Percentage 1	96.657 %	94.466 %	95.775 %	98.627 %	99.913 %	101.482 %	101.614 %
Concentration RSD	0.3 %	1.0 %	0.5 %	0.9 %	0.6 %	0.7 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5016 ppm	0.5041 ppm	0.5059 ppm	0.4981 ppm	0.4970 ppm	5.1636 ppm	0.5230 ppm
Concentration per Run 1	0.5014 ppm	0.5067 ppm	0.5041 ppm	0.4986 ppm	0.4958 ppm	5.1076 ppm	0.5203 ppm
Concentration per Run 2	0.5028 ppm	0.5014 ppm	0.5069 ppm	0.4988 ppm	0.4941 ppm	5.1717 ppm	0.5243 ppm
Concentration per Run 3	0.5004 ppm	0.5041 ppm	0.5066 ppm	0.4969 ppm	0.5011 ppm	5.2115 ppm	0.5244 ppm
Recovery Percentage 1	100.313 %	100.817 %	101.176 %	99.616 %	99.399 %	103.272 %	104.594 %
Concentration RSD	0.2 %	0.5 %	0.3 %	0.2 %	0.7 %	1.0 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4992 ppm	0.5140 ppm	0.4934 ppm	10.3476 ppm	0.5073 ppm	0.5049 ppm	0.5070 ppm
Concentration per Run 1	0.5025 ppm	0.5116 ppm	0.4901 ppm	10.3493 ppm	0.5052 ppm	0.5067 ppm	0.5026 ppm
Concentration per Run 2	0.4986 ppm	0.5115 ppm	0.4938 ppm	10.3391 ppm	0.5057 ppm	0.4980 ppm	0.5053 ppm
Concentration per Run 3	0.4967 ppm	0.5189 ppm	0.4964 ppm	10.3545 ppm	0.5109 ppm	0.5099 ppm	0.5132 ppm
Recovery Percentage 1	99.849 %	102.800 %	98.688 %	103.476 %	101.457 %	100.976 %	101.407 %
Concentration RSD	0.6 %	0.8 %	0.6 %	0.1 %	0.6 %	1.2 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4897 ppm	5.2414 ppm	0.4874 ppm	0.5052 ppm	0.5014 ppm	0.4839 ppm	0.5068 ppm
Concentration per Run 1	0.4921 ppm	5.2249 ppm	0.4888 ppm	0.5027 ppm	0.5014 ppm	0.4902 ppm	0.5065 ppm
Concentration per Run 2	0.4896 ppm	5.2354 ppm	0.4863 ppm	0.5047 ppm	0.5010 ppm	0.4874 ppm	0.5090 ppm
Concentration per Run 3	0.4874 ppm	5.2637 ppm	0.4870 ppm	0.5082 ppm	0.5017 ppm	0.4740 ppm	0.5050 ppm
Recovery Percentage 1	97.939 %	99.835 %	97.475 %	101.039 %	100.273 %	96.774 %	101.369 %
Concentration RSD	0.5 %	0.4 %	0.3 %	0.5 %	0.1 %	1.8 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5094 ppm	105.8205 %	100.0718 %	102.4848 %	103.5095 %	98.5029 %	101.2273 %
Concentration per Run 1	0.5073 ppm	106.0998 %	100.7100 %	100.7100 %	103.8220 %	98.7223 %	99.7487 %
Concentration per Run 2	0.5104 ppm	105.5222 %	100.0100 %	100.4550 %	103.1630 %	98.6720 %	101.7958 %
Concentration per Run 3	0.5105 ppm	105.8395 %	99.7503 %	103.2863 %	103.5437 %	98.1145 %	102.1374 %
Recovery Percentage 1	101.886 %						
Concentration RSD	0.4 %	0.3 %	0.4 %	1.5 %	0.3 %	0.3 %	1.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/11/2025 1:54:12 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-eUV	As 189.042 Axial-eUV	B 208.959 Axial-eUV	Ba 455.403 Radial-eUV	Be 313.042 Radial-eUV	Ca 315.887 Radial-eUV
Concentration average	-0.0021 ppm	-0.0161 ppm	-0.0039 ppm	0.0019 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 1	-0.0015 ppm	-0.0295 ppm	-0.0016 ppm	0.0023 ppm	0.0001 ppm	0.0001 ppm	0.0012 ppm
Concentration per Run 2	-0.0030 ppm	-0.0036 ppm	-0.0062 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0019 ppm
Concentration per Run 3	-0.0018 ppm	-0.0153 ppm	-0.0037 ppm	0.0036 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Recovery Percentage 1	-29.989 %	-16.144 %	-77.086 %	6.191 %	-0.122 %	0.840 %	-0.220 %
Concentration RSD	39.1 %	80.3 %	60.3 %	109.1 %	714.9 %	174.0 %	708.9 %

	Cd 214.438 Axial-eUV	Co 228.616 Axial-eUV	Cr 267.716 Axial-eUV	Cu 324.754 Axial-eUV	Fe 259.940 Radial-eUV	K 766.490 Radial-eUV	Li 670.776 Radial-eUV
Concentration average	0.0000 ppm	-0.0001 ppm	0.0010 ppm	0.0003 ppm	-0.0005 ppm	-0.0131 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	0.0008 ppm	0.0000 ppm	-0.0011 ppm	-0.0089 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	-0.0020 ppm	0.0007 ppm	-0.0006 ppm	0.0007 ppm	-0.0181 ppm	0.0018 ppm
Concentration per Run 3	0.0001 ppm	0.0011 ppm	0.0014 ppm	0.0014 ppm	-0.0011 ppm	-0.0123 ppm	0.0007 ppm
Recovery Percentage 1	0.807 %	-0.548 %	9.753 %	2.791 %	-0.986 %	-0.523 %	17.891 %
Concentration RSD	244.7 %	1,492.8 %	40.1 %	373.4 %	204.2 %	35.8 %	93.6 %

	Mg 279.079 Axial-eUV	Mn 257.610 Radial-eUV	Mo 202.030 Axial-eUV	Na 589.592 Radial-eUV	Ni 231.604 Axial-eUV	Pb 220.353 Axial-eUV	Sb 206.833 Axial-eUV
Concentration average	0.0074 ppm	0.0001 ppm	0.0017 ppm	-0.0226 ppm	0.0007 ppm	0.0017 ppm	-0.0052 ppm
Concentration per Run 1	0.0042 ppm	0.0000 ppm	0.0026 ppm	-0.0260 ppm	0.0009 ppm	0.0011 ppm	-0.0086 ppm
Concentration per Run 2	0.0087 ppm	0.0003 ppm	0.0011 ppm	-0.0180 ppm	-0.0016 ppm	0.0055 ppm	-0.0099 ppm
Concentration per Run 3	0.0092 ppm	0.0000 ppm	0.0014 ppm	-0.0240 ppm	0.0027 ppm	-0.0015 ppm	0.0028 ppm
Recovery Percentage 1	7.359 %	1.323 %	3.405 %	-1.132 %	2.649 %	17.014 %	-10.403 %
Concentration RSD	37.2 %	136.0 %	44.1 %	18.3 %	321.8 %	207.7 %	134.6 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-eUV	Sn 189.989 Axial-eUV	Sr 421.552 Radial-eUV	Ti 334.904 Axial-eUV	Tl 190.856 Axial-eUV	V 292.402 Axial-eUV
Concentration average	0.0007 ppm	-0.0084 ppm	-0.0005 ppm	-0.0001 ppm	0.0022 ppm	0.0051 ppm	0.0003 ppm
Concentration per Run 1	0.0019 ppm	-0.0096 ppm	0.0007 ppm	-0.0001 ppm	0.0030 ppm	0.0071 ppm	0.0000 ppm
Concentration per Run 2	-0.0023 ppm	-0.0081 ppm	-0.0010 ppm	-0.0001 ppm	0.0020 ppm	0.0038 ppm	0.0001 ppm
Concentration per Run 3	0.0026 ppm	-0.0074 ppm	-0.0012 ppm	0.0000 ppm	0.0017 ppm	0.0044 ppm	0.0008 ppm
Recovery Percentage 1	7.316 %	-1.672 %	-0.953 %	-0.706 %	21.890 %	25.463 %	3.067 %
Concentration RSD	363.3 %	13.2 %	217.5 %	86.0 %	30.9 %	35.4 %	144.6 %

	Zn 206.200 Axial-eUV	Sc 361.384 Axial-eUV	Sc 361.384 Radial-eUV	Sc 227.318 Axial-eUV	Y 360.073 Axial-eUV	Y 371.030 Radial-eUV	Y 224.306 Axial-eUV
Concentration average	0.0001 ppm	104.3141 %	97.8809 %	100.3262 %	103.0725 %	98.2124 %	100.5846 %
Concentration per Run 1	0.0005 ppm	103.7509 %	97.7635 %	100.4579 %	102.0053 %	98.4369 %	101.1057 %
Concentration per Run 2	0.0003 ppm	104.0651 %	97.3823 %	99.1894 %	103.2878 %	98.1119 %	99.2540 %
Concentration per Run 3	-0.0004 ppm	105.1262 %	98.4970 %	101.3314 %	103.9244 %	98.0884 %	101.3942 %
Recovery Percentage 1	2.308 %	0.7 %	0.6 %	1.1 %	0.9 %	0.2 %	1.2 %
Concentration RSD	423.7 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113114-1 WG2113114
Analysis started at: 9/11/2025 2:19:53 PM
Rack 3
Vial 16
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	-0.0085 ppm	-0.0004 ppm	0.0053 ppm	0.0000 ppm	-0.0001 ppm	0.0272 ppm
Concentration per Run 1	-0.0013 ppm	-0.0121 ppm	0.0014 ppm	0.0061 ppm	0.0000 ppm	0.0000 ppm	0.0259 ppm
Concentration per Run 2	-0.0014 ppm	-0.0085 ppm	-0.0018 ppm	0.0063 ppm	0.0000 ppm	0.0000 ppm	0.0278 ppm
Concentration per Run 3	-0.0016 ppm	-0.0049 ppm	-0.0006 ppm	0.0035 ppm	0.0001 ppm	-0.0001 ppm	0.0277 ppm
Recovery Percentage 1	-20.311 %	-8.528 %	-7.095 %	17.684 %	0.344 %	-1.299 %	27.168 %
Concentration RSD	11.7 %	42.1 %	452.7 %	29.2 %	198.8 %	41.2 %	3.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0005 ppm	0.0015 ppm	-0.0002 ppm	0.0070 ppm	-0.0219 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0015 ppm	0.0016 ppm	-0.0003 ppm	0.0066 ppm	-0.0101 ppm	0.0005 ppm
Concentration per Run 2	-0.0002 ppm	-0.0007 ppm	0.0014 ppm	-0.0003 ppm	0.0080 ppm	-0.0344 ppm	-0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0007 ppm	0.0017 ppm	-0.0002 ppm	0.0065 ppm	-0.0214 ppm	0.0004 ppm
Recovery Percentage 1	-2.101 %	-2.496 %	15.456 %	-2.392 %	14.035 %	-0.878 %	1.258 %
Concentration RSD	104.9 %	218.2 %	8.0 %	33.1 %	11.7 %	55.6 %	1,002.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0140 ppm	0.0001 ppm	-0.0012 ppm	0.1721 ppm	-0.0013 ppm	0.0022 ppm	0.0025 ppm
Concentration per Run 1	0.0167 ppm	-0.0001 ppm	-0.0017 ppm	0.1702 ppm	-0.0004 ppm	0.0028 ppm	0.0036 ppm
Concentration per Run 2	0.0134 ppm	0.0003 ppm	-0.0001 ppm	0.1702 ppm	-0.0016 ppm	0.0027 ppm	0.0057 ppm
Concentration per Run 3	0.0120 ppm	0.0001 ppm	-0.0017 ppm	0.1758 ppm	-0.0009 ppm	0.0022 ppm	-0.0017 ppm
Recovery Percentage 1	14.050 %	1.164 %	-2.308 %	8.603 %	-5.329 %	21.981 %	5.027 %
Concentration RSD	17.1 %	164.5 %	76.5 %	1.9 %	93.1 %	28.1 %	152.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	0.0138 ppm	0.0002 ppm	0.0000 ppm	0.0016 ppm	-0.0041 ppm	0.0008 ppm
Concentration per Run 1	-0.0019 ppm	0.0167 ppm	0.0005 ppm	0.0001 ppm	0.0005 ppm	-0.0016 ppm	0.0005 ppm
Concentration per Run 2	0.0050 ppm	0.0103 ppm	0.0007 ppm	0.0001 ppm	0.0019 ppm	-0.0046 ppm	0.0012 ppm
Concentration per Run 3	0.0071 ppm	0.0145 ppm	-0.0001 ppm	-0.0001 ppm	0.0023 ppm	-0.0061 ppm	0.0006 ppm
Recovery Percentage 1	34.054 %	2.764 %	0.433 %	0.123 %	15.616 %	-20.508 %	7.777 %
Concentration RSD	137.7 %	23.5 %	299.6 %	864.3 %	60.0 %	54.9 %	51.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	104.9823 %	99.8759 %	99.1808 %	103.6764 %	100.2668 %	99.8438 %
Concentration per Run 1	0.0005 ppm	105.4388 %	99.5979 %	98.7249 %	104.0744 %	100.4849 %	99.2698 %
Concentration per Run 2	0.0005 ppm	105.0460 %	99.2086 %	98.9125 %	103.4667 %	99.8314 %	99.7053 %
Concentration per Run 3	0.0004 ppm	104.4622 %	100.8213 %	99.9050 %	103.4881 %	100.4841 %	100.5562 %
Recovery Percentage 1	9.309 %	0.5 %	0.8 %	0.6 %	0.3 %	0.4 %	0.7 %
Concentration RSD	19.8 %						

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113114-2 WG2113114

Analysis started at: 9/11/2025 2:23:15 PM

Rack 3

Vial 17

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0465 ppm	1.9738 ppm	0.1068 ppm	0.9487 ppm	1.9329 ppm	0.0490 ppm	9.8965 ppm
Concentration per Run 1	0.0468 ppm	1.9412 ppm	0.1079 ppm	0.9554 ppm	1.9132 ppm	0.0485 ppm	9.7748 ppm
Concentration per Run 2	0.0466 ppm	1.9534 ppm	0.1042 ppm	0.9432 ppm	1.9126 ppm	0.0485 ppm	9.8001 ppm
Concentration per Run 3	0.0462 ppm	2.0268 ppm	0.1082 ppm	0.9475 ppm	1.9730 ppm	0.0500 ppm	10.1148 ppm
Concentration RSD	0.7 %	2.3 %	2.1 %	0.6 %	1.8 %	1.7 %	1.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0510 ppm	0.4810 ppm	0.1944 ppm	0.2387 ppm	0.9640 ppm	9.8548 ppm	0.0011 ppm
Concentration per Run 1	0.0508 ppm	0.4817 ppm	0.1960 ppm	0.2396 ppm	0.9528 ppm	9.7689 ppm	0.0008 ppm
Concentration per Run 2	0.0508 ppm	0.4791 ppm	0.1933 ppm	0.2374 ppm	0.9506 ppm	9.7685 ppm	0.0011 ppm
Concentration per Run 3	0.0515 ppm	0.4821 ppm	0.1938 ppm	0.2390 ppm	0.9886 ppm	10.0270 ppm	0.0014 ppm
Concentration RSD	0.8 %	0.3 %	0.7 %	0.5 %	2.2 %	1.5 %	31.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.4300 ppm	0.4912 ppm	0.9621 ppm	9.8530 ppm	0.4813 ppm	0.5055 ppm	0.4923 ppm
Concentration per Run 1	9.4684 ppm	0.4854 ppm	0.9627 ppm	9.7414 ppm	0.4840 ppm	0.5123 ppm	0.4942 ppm
Concentration per Run 2	9.3934 ppm	0.4837 ppm	0.9555 ppm	9.8159 ppm	0.4778 ppm	0.5055 ppm	0.4881 ppm
Concentration per Run 3	9.4281 ppm	0.5046 ppm	0.9680 ppm	10.0018 ppm	0.4821 ppm	0.4987 ppm	0.4946 ppm
Concentration RSD	0.4 %	2.4 %	0.7 %	1.4 %	0.7 %	1.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1143 ppm	0.6825 ppm	0.9253 ppm	0.9484 ppm	0.9608 ppm	0.1100 ppm	0.4956 ppm
Concentration per Run 1	0.1147 ppm	0.6832 ppm	0.9312 ppm	0.9391 ppm	0.9649 ppm	0.1096 ppm	0.4957 ppm
Concentration per Run 2	0.1125 ppm	0.6798 ppm	0.9165 ppm	0.9362 ppm	0.9573 ppm	0.1117 ppm	0.4945 ppm
Concentration per Run 3	0.1157 ppm	0.6844 ppm	0.9282 ppm	0.9700 ppm	0.9604 ppm	0.1088 ppm	0.4965 ppm
Concentration RSD	1.4 %	0.4 %	0.8 %	2.0 %	0.4 %	1.3 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4887 ppm	105.1025 %	99.2775 %	101.1920 %	102.9405 %	97.8435 %	100.2404 %
Concentration per Run 1	0.4922 ppm	104.4296 %	99.4383 %	100.4739 %	101.7711 %	98.5772 %	99.6250 %
Concentration per Run 2	0.4823 ppm	106.0457 %	100.9314 %	101.6764 %	104.0349 %	99.2132 %	100.9733 %
Concentration per Run 3	0.4916 ppm	104.8321 %	97.4627 %	101.4256 %	103.0155 %	95.7400 %	100.1228 %
Concentration RSD	1.1 %	0.8 %	1.8 %	0.6 %	1.1 %	1.9 %	0.7 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: L2555635-02 WG2113114

Analysis started at: 9/11/2025 2:26:32 PM

Rack 3

Vial 18

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.0916 ppm	0.0011 ppm	0.0217 ppm	0.0668 ppm	0.0000 ppm	122.2315 ppm
Concentration per Run 1	-0.0020 ppm	0.0934 ppm	-0.0004 ppm	0.0227 ppm	0.0666 ppm	0.0000 ppm	122.6270 ppm
Concentration per Run 2	0.0007 ppm	0.0906 ppm	0.0023 ppm	0.0229 ppm	0.0670 ppm	-0.0001 ppm	122.1227 ppm
Concentration per Run 3	-0.0011 ppm	0.0907 ppm	0.0015 ppm	0.0195 ppm	0.0668 ppm	0.0000 ppm	121.9448 ppm
Concentration RSD	174.9 %	1.7 %	123.0 %	8.9 %	0.3 %	251.9 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0065 ppm	0.0013 ppm	0.0029 ppm	0.0157 ppm	0.0974 ppm	0.3313 ppm	0.0033 ppm
Concentration per Run 1	0.0067 ppm	0.0009 ppm	0.0025 ppm	0.0172 ppm	0.0959 ppm	0.3530 ppm	0.0037 ppm
Concentration per Run 2	0.0064 ppm	0.0017 ppm	0.0036 ppm	0.0140 ppm	0.0979 ppm	0.3121 ppm	0.0032 ppm
Concentration per Run 3	0.0064 ppm	0.0013 ppm	0.0026 ppm	0.0159 ppm	0.0985 ppm	0.3287 ppm	0.0029 ppm
Concentration RSD	2.6 %	32.2 %	20.3 %	10.1 %	1.4 %	6.2 %	11.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.2274 ppm	0.1968 ppm	0.0016 ppm	8.4994 ppm	0.0033 ppm	0.3753 ppm	-0.0011 ppm
Concentration per Run 1	1.2375 ppm	0.1967 ppm	0.0029 ppm	8.4771 ppm	0.0039 ppm	0.3788 ppm	-0.0044 ppm
Concentration per Run 2	1.2205 ppm	0.1974 ppm	0.0020 ppm	8.5484 ppm	0.0033 ppm	0.3749 ppm	0.0047 ppm
Concentration per Run 3	1.2242 ppm	0.1964 ppm	-0.0002 ppm	8.4727 ppm	0.0028 ppm	0.3723 ppm	-0.0036 ppm
Concentration RSD	0.7 %	0.3 %	100.4 %	0.5 %	16.8 %	0.9 %	461.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0067 ppm	0.3378 ppm	0.0010 ppm	0.2593 ppm	0.0018 ppm	-0.0020 ppm	-0.0004 ppm
Concentration per Run 1	0.0070 ppm	0.3457 ppm	-0.0007 ppm	0.2586 ppm	0.0012 ppm	0.0034 ppm	-0.0004 ppm
Concentration per Run 2	0.0074 ppm	0.3328 ppm	-0.0011 ppm	0.2602 ppm	0.0019 ppm	-0.0013 ppm	-0.0006 ppm
Concentration per Run 3	0.0059 ppm	0.3349 ppm	0.0049 ppm	0.2591 ppm	0.0023 ppm	-0.0081 ppm	0.0000 ppm
Concentration RSD	11.6 %	2.1 %	329.2 %	0.3 %	29.9 %	290.2 %	78.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	25.1299 [SIC 50]	105.4253 %	98.8284 %	100.7179 %	103.6645 %	98.1130 %	100.5350 %
Concentration per Run 1	25.0847 ppm	105.4625 %	99.0408 %	100.5050 %	103.2049 %	98.5546 %	100.5038 %
Concentration per Run 2	25.1840 ppm	105.4142 %	99.4837 %	100.0144 %	103.9765 %	98.8501 %	100.1137 %
Concentration per Run 3	25.1209 ppm	105.3991 %	97.9607 %	101.6343 %	103.8122 %	96.9343 %	100.9876 %
Concentration RSD	0.2 %	0.0 %	0.8 %	0.8 %	0.4 %	1.1 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: WG2113114-3 WG2113114

Analysis started at: 9/11/2025 2:29:50 PM

Rack 3

Vial 19

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0476 ppm	2.0963 ppm	0.1152 ppm	0.9627 ppm	2.0088 ppm	0.0491 ppm	129.3138 ppm
Concentration per Run 1	0.0480 ppm	2.1157 ppm	0.1145 ppm	0.9573 ppm	2.0151 ppm	0.0495 ppm	130.1742 ppm
Concentration per Run 2	0.0482 ppm	2.0760 ppm	0.1107 ppm	0.9660 ppm	1.9844 ppm	0.0487 ppm	128.3733 ppm
Concentration per Run 3	0.0468 ppm	2.0972 ppm	0.1203 ppm	0.9649 ppm	2.0268 ppm	0.0493 ppm	129.3940 ppm
Concentration RSD	1.6 %	0.9 %	4.2 %	0.5 %	1.1 %	0.8 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0562 ppm	0.4727 ppm	0.1917 ppm	0.2612 ppm	1.0419 ppm	10.4356 ppm	0.0025 ppm
Concentration per Run 1	0.0564 ppm	0.4707 ppm	0.1899 ppm	0.2599 ppm	1.0465 ppm	10.5468 ppm	0.0041 ppm
Concentration per Run 2	0.0559 ppm	0.4753 ppm	0.1918 ppm	0.2611 ppm	1.0345 ppm	10.3258 ppm	0.0013 ppm
Concentration per Run 3	0.0564 ppm	0.4720 ppm	0.1933 ppm	0.2626 ppm	1.0447 ppm	10.4342 ppm	0.0024 ppm
Concentration RSD	0.4 %	0.5 %	0.9 %	0.5 %	0.6 %	1.1 %	54.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.5439 ppm	0.6797 ppm	0.9541 ppm	18.3636 ppm	0.4704 ppm	0.8771 ppm	0.4831 ppm
Concentration per Run 1	10.5111 ppm	0.6852 ppm	0.9490 ppm	18.4496 ppm	0.4663 ppm	0.8729 ppm	0.4843 ppm
Concentration per Run 2	10.5874 ppm	0.6758 ppm	0.9577 ppm	18.2242 ppm	0.4709 ppm	0.8758 ppm	0.4800 ppm
Concentration per Run 3	10.5333 ppm	0.6782 ppm	0.9557 ppm	18.4172 ppm	0.4741 ppm	0.8824 ppm	0.4851 ppm
Concentration RSD	0.4 %	0.7 %	0.5 %	0.7 %	0.8 %	0.6 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1214 ppm	1.0201 ppm	0.9177 ppm	1.2174 ppm	0.9631 ppm	0.1137 ppm	0.4925 ppm
Concentration per Run 1	0.1203 ppm	1.0169 ppm	0.9123 ppm	1.2219 ppm	0.9594 ppm	0.1169 ppm	0.4910 ppm
Concentration per Run 2	0.1202 ppm	1.0212 ppm	0.9152 ppm	1.2046 ppm	0.9687 ppm	0.1105 ppm	0.4941 ppm
Concentration per Run 3	0.1238 ppm	1.0221 ppm	0.9256 ppm	1.2256 ppm	0.9613 ppm	0.1136 ppm	0.4926 ppm
Concentration RSD	1.7 %	0.3 %	0.8 %	0.9 %	0.5 %	2.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	24.6108 [SIC 50]	105.9577 %	98.0923 %	99.8784 %	104.0780 %	97.8722 %	99.7535 %
Concentration per Run 1	24.5457 ppm	105.6539 %	97.9502 %	100.3984 %	103.4558 %	98.0258 %	99.8092 %
Concentration per Run 2	24.7077 ppm	106.1932 %	98.7803 %	99.7080 %	104.4097 %	98.0530 %	99.4021 %
Concentration per Run 3	24.5791 ppm	106.0260 %	97.5465 %	99.5288 %	104.3684 %	97.5378 %	100.0493 %
Concentration RSD	0.3 %	0.3 %	0.6 %	0.5 %	0.5 %	0.3 %	0.3 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG21131116_09102025T9.imexp

Sample: WG2113114-4.WG2113114

Analysis started at: 9/11/2025 2:33:07 PM

Rack 3

Vial 20

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0889 ppm	0.0003 ppm	0.0200 ppm	0.0650 ppm	0.0000 ppm	119.2825 ppm
Concentration per Run 1	-0.0006 ppm	0.0790 ppm	-0.0005 ppm	0.0186 ppm	0.0647 ppm	0.0000 ppm	118.5982 ppm
Concentration per Run 2	0.0006 ppm	0.0935 ppm	0.0020 ppm	0.0221 ppm	0.0648 ppm	0.0000 ppm	119.6935 ppm
Concentration per Run 3	-0.0003 ppm	0.0943 ppm	-0.0007 ppm	0.0193 ppm	0.0654 ppm	0.0000 ppm	119.5559 ppm
Concentration RSD	559.3 %	9.7 %	501.9 %	9.2 %	0.6 %	288.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0059 ppm	0.0019 ppm	0.0029 ppm	0.0151 ppm	0.0934 ppm	0.3552 ppm	0.0030 ppm
Concentration per Run 1	0.0063 ppm	0.0016 ppm	0.0015 ppm	0.0161 ppm	0.0938 ppm	0.3697 ppm	0.0036 ppm
Concentration per Run 2	0.0058 ppm	0.0016 ppm	0.0047 ppm	0.0145 ppm	0.0927 ppm	0.3510 ppm	0.0020 ppm
Concentration per Run 3	0.0057 ppm	0.0023 ppm	0.0026 ppm	0.0147 ppm	0.0937 ppm	0.3449 ppm	0.0033 ppm
Concentration RSD	6.0 %	22.8 %	54.8 %	5.7 %	0.7 %	3.6 %	28.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1962 ppm	0.1905 ppm	0.0025 ppm	8.3435 ppm	0.0048 ppm	0.3665 ppm	0.0026 ppm
Concentration per Run 1	1.2066 ppm	0.1898 ppm	0.0024 ppm	8.2508 ppm	0.0052 ppm	0.3622 ppm	0.0008 ppm
Concentration per Run 2	1.1932 ppm	0.1905 ppm	0.0014 ppm	8.3903 ppm	0.0045 ppm	0.3682 ppm	-0.0006 ppm
Concentration per Run 3	1.1889 ppm	0.1913 ppm	0.0036 ppm	8.3893 ppm	0.0049 ppm	0.3693 ppm	0.0077 ppm
Concentration RSD	0.8 %	0.4 %	43.2 %	1.0 %	6.9 %	1.0 %	168.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	0.3232 ppm	-0.0006 ppm	0.2527 ppm	0.0022 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 1	0.0061 ppm	0.3159 ppm	0.0014 ppm	0.2512 ppm	0.0012 ppm	0.0041 ppm	0.0009 ppm
Concentration per Run 2	0.0021 ppm	0.3285 ppm	-0.0010 ppm	0.2527 ppm	0.0034 ppm	-0.0031 ppm	0.0000 ppm
Concentration per Run 3	0.0019 ppm	0.3252 ppm	-0.0021 ppm	0.2544 ppm	0.0019 ppm	-0.0034 ppm	0.0004 ppm
Concentration RSD	70.9 %	2.0 %	314.5 %	0.6 %	51.0 %	525.4 %	103.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	24.4257 [SIC 50]	105.2675 %	99.3702 %	101.7317 %	98.8153 %	100.9837 %
Concentration per Run 1	24.4414 ppm	104.6158 %	99.8513 %	101.0028 %	99.2756 %	100.6018 %
Concentration per Run 2	24.4275 ppm	104.7879 %	99.4646 %	100.1466 %	98.7836 %	101.2879 %
Concentration per Run 3	24.4084 ppm	106.3987 %	98.7948 %	102.1612 %	98.3869 %	101.0615 %
Concentration RSD	0.1 %	0.9 %	0.5 %	1.0 %	1.1 %	0.5 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCV
Analysis started at: 9/11/2025 2:36:24 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4841 ppm	0.4757 ppm		0.4901 ppm	0.4938 ppm	0.5048 ppm	0.5048 ppm
Concentration per Run 1	0.4866 ppm	0.4826 ppm		0.4816 ppm	0.4883 ppm	0.5049 ppm	0.5086 ppm
Concentration per Run 2	0.4850 ppm	0.4731 ppm		0.4797 ppm	0.4926 ppm	0.5063 ppm	0.4989 ppm
Concentration per Run 3	0.4807 ppm	0.4715 ppm		0.4849 ppm	0.4911 ppm	0.5031 ppm	0.5068 ppm
Recovery Percentage 1	96.819 %	95.143 %		98.019 %	98.761 %	100.952 %	100.958 %
Concentration RSD	0.6 %	1.3 %		0.5 %	0.5 %	0.3 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4989 ppm	0.5051 ppm	0.4972 ppm	0.4972 ppm	0.4910 ppm	5.1179 ppm	0.5152 ppm
Concentration per Run 1	0.5037 ppm	0.5088 ppm	0.5082 ppm	0.4981 ppm	0.4903 ppm	5.1242 ppm	0.5183 ppm
Concentration per Run 2	0.4977 ppm	0.5049 ppm	0.5035 ppm	0.4965 ppm	0.4935 ppm	5.1021 ppm	0.5146 ppm
Concentration per Run 3	0.4953 ppm	0.5015 ppm	0.4970 ppm	0.4970 ppm	0.4893 ppm	5.1275 ppm	0.5126 ppm
Recovery Percentage 1	99.782 %	101.013 %	100.878 %	99.440 %	98.202 %	102.358 %	103.031 %
Concentration RSD	0.9 %	0.7 %	0.2 %	0.2 %	0.4 %	0.3 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4929 ppm	0.5076 ppm	0.4928 ppm	10.2663 ppm	0.4994 ppm	0.5108 ppm	0.5013 ppm
Concentration per Run 1	0.4968 ppm	0.5100 ppm	0.4967 ppm	10.2760 ppm	0.5013 ppm	0.5097 ppm	0.5045 ppm
Concentration per Run 2	0.4909 ppm	0.5084 ppm	0.4908 ppm	10.3136 ppm	0.4973 ppm	0.5105 ppm	0.5026 ppm
Concentration per Run 3	0.4910 ppm	0.5044 ppm	0.4909 ppm	10.2094 ppm	0.4996 ppm	0.5121 ppm	0.4969 ppm
Recovery Percentage 1	98.584 %	101.520 %	98.559 %	102.663 %	99.882 %	102.154 %	100.264 %
Concentration RSD	0.7 %	0.6 %	0.7 %	0.5 %	0.4 %	0.2 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4898 ppm	5.2489 ppm	0.4837 ppm	0.5033 ppm	0.4998 ppm	0.4913 ppm	0.5054 ppm
Concentration per Run 1	0.4910 ppm	5.2859 ppm	0.4856 ppm	0.5059 ppm	0.5008 ppm	0.4852 ppm	0.5090 ppm
Concentration per Run 2	0.4869 ppm	5.2261 ppm	0.4854 ppm	0.5048 ppm	0.5006 ppm	0.4903 ppm	0.5035 ppm
Concentration per Run 3	0.4916 ppm	5.2346 ppm	0.4802 ppm	0.4993 ppm	0.4980 ppm	0.4984 ppm	0.5037 ppm
Recovery Percentage 1	97.963 %	99.978 %	96.739 %	100.666 %	99.955 %	98.260 %	101.080 %
Concentration RSD	0.5 %	0.6 %	0.6 %	0.7 %	0.3 %	1.3 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5073 ppm	105.7650 %	100.5100 %	101.7271 %	103.8821 %	99.5046 %	100.8226 %
Concentration per Run 1	0.5122 ppm	105.5632 %	100.1456 %	102.0770 %	103.8363 %	99.3200 %	100.6505 %
Concentration per Run 2	0.5059 ppm	105.2764 %	100.1069 %	101.7387 %	103.3737 %	99.3579 %	100.5228 %
Concentration per Run 3	0.5038 ppm	106.4555 %	101.2777 %	101.3657 %	104.4363 %	99.8358 %	101.2947 %
Recovery Percentage 1	101.457 %						
Concentration RSD	0.9 %	0.6 %	0.7 %	0.3 %	0.5 %	0.3 %	0.4 %

ICP DataTrace 9

9/11/2025 4:20:08 PM



LabBook: WG2113116_09102025T9.imexp

Sample: CCB
Analysis started at: 9/11/2025 2:39:40 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	0.0001 ppm	-0.0143 ppm	-0.0021 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 1	-0.0013 ppm	-0.0078 ppm	-0.0029 ppm	0.0017 ppm	-0.0001 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 2	0.0003 ppm	-0.0123 ppm	-0.0038 ppm	0.0016 ppm	-0.0001 ppm	0.0001 ppm	0.0068 ppm
Concentration per Run 3	0.0013 ppm	-0.0227 ppm	0.0004 ppm	-0.0017 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm
Recovery Percentage 1	1.394 %	-14.262 %	-42.057 %	1.766 %	-0.454 %	0.610 %	2.733 %
Concentration RSD	1.327.7 %	53.9 %	103.7 %	368.5 %	156.8 %	169.2 %	134.3 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0009 ppm	-0.0008 ppm	-0.0257 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0004 ppm	0.0005 ppm	0.0005 ppm	-0.0015 ppm	-0.0259 ppm	0.0003 ppm
Concentration per Run 2	-0.0002 ppm	-0.0003 ppm	0.0005 ppm	0.0013 ppm	0.0002 ppm	-0.0244 ppm	-0.0018 ppm
Concentration per Run 3	0.0002 ppm	0.0001 ppm	0.0007 ppm	0.0009 ppm	-0.0010 ppm	-0.0268 ppm	0.0012 ppm
Recovery Percentage 1	0.128 %	-0.834 %	5.395 %	9.029 %	-1.549 %	-1.028 %	-1.893 %
Concentration RSD	3.116.0 %	146.0 %	19.3 %	43.6 %	118.1 %	4.6 %	1.648.4 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0100 ppm	0.0000 ppm	0.0022 ppm	-0.0366 ppm	-0.0009 ppm	0.0028 ppm	0.0017 ppm
Concentration per Run 1	0.0111 ppm	-0.0001 ppm	0.0027 ppm	-0.0351 ppm	-0.0008 ppm	0.0040 ppm	-0.0041 ppm
Concentration per Run 2	0.0079 ppm	0.0000 ppm	0.0013 ppm	-0.0353 ppm	-0.0033 ppm	0.0026 ppm	-0.0006 ppm
Concentration per Run 3	0.0109 ppm	0.0002 ppm	0.0028 ppm	-0.0395 ppm	0.0014 ppm	0.0019 ppm	0.0097 ppm
Recovery Percentage 1	9.951 %	0.211 %	4.458 %	-1.832 %	-3.513 %	28.359 %	3.338 %
Concentration RSD	18.3 %	703.6 %	37.4 %	6.8 %	264.8 %	37.4 %	428.6 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0019 ppm	-0.0076 ppm	-0.0008 ppm	0.0001 ppm	0.0021 ppm	0.0023 ppm	-0.0002 ppm
Concentration per Run 1	0.0009 ppm	-0.0069 ppm	0.0013 ppm	0.0001 ppm	0.0024 ppm	0.0045 ppm	0.0000 ppm
Concentration per Run 2	0.0028 ppm	-0.0058 ppm	0.0005 ppm	0.0000 ppm	0.0017 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 3	0.0019 ppm	-0.0101 ppm	-0.0040 ppm	0.0000 ppm	0.0022 ppm	0.0019 ppm	-0.0006 ppm
Recovery Percentage 1	18.808 %	-1.524 %	-1.513 %	0.579 %	21.046 %	11.715 %	-2.209 %
Concentration RSD	49.8 %	29.3 %	376.4 %	121.8 %	15.0 %	86.1 %	149.2 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.0010 ppm	103.6031 %	99.0351 %	100.3870 %	103.1840 %	99.5840 %	100.4849 %
Concentration per Run 1	0.0014 ppm	103.4936 %	98.7282 %	100.4154 %	103.1434 %	99.1597 %	100.6530 %
Concentration per Run 2	0.0007 ppm	103.8566 %	99.2625 %	100.0636 %	103.6357 %	100.3291 %	100.2689 %
Concentration per Run 3	0.0009 ppm	103.4590 %	99.1146 %	100.6820 %	102.7729 %	99.2634 %	100.5330 %
Recovery Percentage 1	19.946 %	0.2 %	0.3 %	0.3 %	0.4 %	0.7 %	0.2 %
Concentration RSD	36.5 %						

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: Blank JMF Trace8

Analysis started at: 9/11/2025 9:29:55 AM

Rack 0

Vial 1

Comment: <Comment>

Concentration average	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.6 %	-0.2 %	-4.1 %	0.5 %	0.6 %	-0.2 %	2.1 %
Concentration average	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 1670.776 Radial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.5 %	0.2 %	-0.3 %	0.1 %	-0.5 %	0.8 %	11.9 %
Concentration average	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.1 %	-0.2 %	0.3 %	0.2 %	0.8 %	0.3 %	-0.9 %
Concentration average	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-6.2 %	0.1 %	0.9 %	10.9 %	0.0 %	-0.4 %	-3.8 %
Concentration average	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: ICAL

Analysis started at: 9/11/2025 9:33:30 AM

Rack 0

Vial 2

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run	1.0009 ppm	25.0653 ppm	0.9990 ppm	0.9978 ppm	1.0026 ppm	1.0009 ppm	9.9881 ppm
Concentration per Run	1.0035 ppm	25.0334 ppm	1.0031 ppm	1.0054 ppm	1.0009 ppm	1.0002 ppm	10.0174 ppm
Concentration per Run	0.9956 ppm	24.9013 ppm	0.9979 ppm	0.9968 ppm	0.9965 ppm	0.9988 ppm	9.9945 ppm
Concentration RSD	0.4 %	0.3 %	0.3 %	0.5 %	0.3 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run	1.0067 ppm	1.0006 ppm	1.0011 ppm	0.9967 ppm	25.0400 ppm	34.8922 ppm	0.9940 ppm
Concentration per Run	1.0022 ppm	1.0029 ppm	1.0027 ppm	1.0081 ppm	25.0357 ppm	35.0120 ppm	0.9992 ppm
Concentration per Run	0.9911 ppm	0.9965 ppm	0.9962 ppm	0.9952 ppm	24.9243 ppm	35.0958 ppm	1.0068 ppm
Concentration RSD	0.8 %	0.3 %	0.3 %	0.7 %	0.3 %	0.3 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	10.0809 ppm	0.9993 ppm	0.9952 ppm	24.9563 ppm	0.9997 ppm	0.9952 ppm	0.9994 ppm
Concentration per Run	10.0024 ppm	1.0015 ppm	1.0074 ppm	25.0546 ppm	1.0081 ppm	1.0045 ppm	1.0161 ppm
Concentration per Run	9.9167 ppm	0.9991 ppm	0.9974 ppm	24.9891 ppm	0.9921 ppm	1.0003 ppm	0.9845 ppm
Concentration RSD	0.8 %	0.1 %	0.2 %	0.2 %	0.8 %	0.5 %	1.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	0.9962 ppm	9.9595 ppm	1.0001 ppm	0.9992 ppm	1.0011 ppm	0.9952 ppm	0.9995 ppm
Concentration per Run	1.0054 ppm	10.1245 ppm	1.0106 ppm	1.0013 ppm	1.0038 ppm	1.0046 ppm	1.0027 ppm
Concentration per Run	0.9984 ppm	9.9160 ppm	0.9993 ppm	0.9995 ppm	0.9951 ppm	1.0002 ppm	0.9978 ppm
Concentration RSD	0.5 %	1.1 %	1.1 %	0.1 %	0.4 %	0.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0000 ppm	99.4752 %	102.4735 %	93.0048 %	98.6445 %	100.6286 %	98.7860 %
Concentration per Run	1.0054 ppm	99.2458 %	102.2222 %	93.3000 %	98.3020 %	99.9987 %	98.9672 %
Concentration per Run	1.0025 ppm	99.0244 %	102.4477 %	92.8407 %	99.2163 %	100.7661 %	99.0396 %
Concentration per Run	0.9921 ppm	100.1553 %	102.7504 %	92.8737 %	98.4151 %	101.1209 %	98.3514 %
Concentration RSD	0.7 %	0.6 %	0.3 %	0.3 %	0.5 %	0.6 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: ICV
Analysis started at: 9/11/2025 9:36:54 AM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4783 ppm	0.4828 ppm	0.4749 ppm	0.4792 ppm	0.4817 ppm	0.4987 ppm	0.4962 ppm
Concentration per Run	0.4791 ppm	0.4818 ppm	0.4722 ppm	0.4827 ppm	0.4808 ppm	0.5000 ppm	0.4979 ppm
Concentration per Run	0.4793 ppm	0.4820 ppm	0.4777 ppm	0.4779 ppm	0.4825 ppm	0.4981 ppm	0.4969 ppm
Concentration per Run	0.4765 ppm	0.4845 ppm	0.4749 ppm	0.4771 ppm	0.4818 ppm	0.4979 ppm	0.4938 ppm
Recovery Percentage	95.658 %	96.552 %	94.989 %	95.842 %	96.343 %	99.732 %	99.239 %
Concentration RSD	0.3 %	0.3 %	0.6 %	0.6 %	0.2 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4958 ppm	0.4956 ppm	0.4910 ppm	0.4911 ppm	0.4994 ppm	5.0660 ppm	0.5027 ppm
Concentration per Run	0.5002 ppm	0.5005 ppm	0.4932 ppm	0.4930 ppm	0.5029 ppm	5.0996 ppm	0.5052 ppm
Concentration per Run	0.4962 ppm	0.4959 ppm	0.4937 ppm	0.4895 ppm	0.4995 ppm	5.0818 ppm	0.5023 ppm
Concentration per Run	0.4910 ppm	0.4934 ppm	0.4860 ppm	0.4907 ppm	0.4959 ppm	5.0167 ppm	0.5007 ppm
Recovery Percentage	99.159 %	99.319 %	98.195 %	98.215 %	99.884 %	101.320 %	100.544 %
Concentration RSD	0.9 %	0.7 %	0.9 %	0.4 %	0.7 %	0.9 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4968 ppm	0.5012 ppm	0.4909 ppm	10.0589 ppm	0.4888 ppm	0.4836 ppm	0.4991 ppm
Concentration per Run	0.5004 ppm	0.5033 ppm	0.4924 ppm	10.0550 ppm	0.5023 ppm	0.4828 ppm	0.5033 ppm
Concentration per Run	0.4977 ppm	0.4893 ppm	0.4893 ppm	10.0438 ppm	0.5022 ppm	0.4827 ppm	0.4945 ppm
Concentration per Run	0.4924 ppm	0.5000 ppm	0.4911 ppm	10.0780 ppm	0.4921 ppm	0.4852 ppm	0.4955 ppm
Recovery Percentage	99.366 %	100.244 %	98.186 %	100.589 %	99.769 %	96.721 %	99.826 %
Concentration RSD	0.8 %	0.4 %	0.3 %	0.2 %	1.2 %	0.3 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4711 ppm	5.2564 ppm	0.4968 ppm	0.4939 ppm	0.4891 ppm	0.4950 ppm	0.4945 ppm
Concentration per Run	0.4693 ppm	5.2440 ppm	0.5019 ppm	0.4945 ppm	0.4898 ppm	0.4964 ppm	0.4964 ppm
Concentration per Run	0.4741 ppm	5.2821 ppm	0.4979 ppm	0.4937 ppm	0.4910 ppm	0.4988 ppm	0.4945 ppm
Concentration per Run	0.4698 ppm	5.2431 ppm	0.4906 ppm	0.4935 ppm	0.4866 ppm	0.4976 ppm	0.4928 ppm
Recovery Percentage	94.211 %	100.122 %	99.353 %	98.780 %	97.823 %	99.006 %	98.908 %
Concentration RSD	0.6 %	0.4 %	1.2 %	0.1 %	0.5 %	1.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4925 ppm	102.4510 %	102.3850 %	99.7330 %	101.7409 %	100.7607 %	102.1460 %
Concentration per Run	0.4965 ppm	102.4176 %	102.6351 %	99.5526 %	101.8308 %	101.0906 %	101.9259 %
Concentration per Run	0.4941 ppm	102.2864 %	101.7195 %	99.7892 %	101.6180 %	99.4097 %	102.0949 %
Concentration per Run	0.4870 ppm	102.6489 %	102.8003 %	99.8573 %	101.7739 %	101.7817 %	102.4173 %
Recovery Percentage	98.508 %						
Concentration RSD	1.0 %	0.2 %	0.6 %	0.2 %	0.1 %	1.2 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: ICB
Analysis started at: 9/11/2025 9:40:18 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0052 ppm
Concentration per Run	0.0003 ppm	0.0041 ppm	-0.0009 ppm	0.0012 ppm	0.0002 ppm	0.0001 ppm	0.0049 ppm
Concentration per Run	0.0000 ppm	-0.0026 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run	0.0001 ppm	-0.0017 ppm	0.0013 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0069 ppm
Recovery Percentage	2.768 %	-0.071 %	6.674 %	1.422 %	1.415 %	2.493 %	5.238 %
Concentration RSD	134.8 %	5.173.2 %	328.5 %	160.7 %	40.9 %	0.3 %	29.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0023 ppm	0.0219 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0025 ppm	0.0221 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0025 ppm	0.0319 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0020 ppm	0.0118 ppm	0.0000 ppm
Recovery Percentage	3.003 %	0.252 %	2.601 %	-0.415 %	4.683 %	0.877 %	-3.036 %
Concentration RSD	48.9 %	461.2 %	72.0 %	270.5 %	11.1 %	46.0 %	116.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0006 ppm	0.0002 ppm	0.0002 ppm	0.0042 ppm	0.0005 ppm	0.0005 ppm	0.0007 ppm
Concentration per Run	0.0006 ppm	0.0002 ppm	0.0004 ppm	0.0032 ppm	0.0004 ppm	-0.0003 ppm	-0.0004 ppm
Concentration per Run	0.0006 ppm	0.0001 ppm	0.0006 ppm	0.0035 ppm	-0.0001 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run	0.0006 ppm	0.0002 ppm	0.0055 ppm	0.0060 ppm	0.0011 ppm	0.0019 ppm	0.0021 ppm
Recovery Percentage	0.612 %	1.618 %	10.390 %	0.211 %	1.921 %	5.272 %	1.326 %
Concentration RSD	5.9 %	23.8 %	5.7 %	36.0 %	128.0 %	220.7 %	196.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0031 ppm	-0.0005 ppm	0.0014 ppm	0.0002 ppm	0.0005 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run	0.0027 ppm	-0.0007 ppm	0.0010 ppm	0.0001 ppm	0.0004 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run	0.0036 ppm	0.0006 ppm	0.0017 ppm	0.0002 ppm	0.0006 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run	0.0030 ppm	-0.0013 ppm	0.0015 ppm	0.0001 ppm	0.0006 ppm	0.0004 ppm	0.0002 ppm
Recovery Percentage	30.918 %	-0.095 %	2.764 %	1.502 %	5.320 %	2.436 %	1.757 %
Concentration RSD	14.1 %	201.8 %	25.0 %	7.4 %	27.7 %	151.9 %	27.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	101.4438 %	100.8284 %	101.2858 %	102.7425 %	100.5321 %	102.3380 %
Concentration per Run	0.0006 ppm	101.7937 %	100.7669 %	101.2563 %	103.1584 %	101.2870 %	102.1515 %
Concentration per Run	0.0006 ppm	101.3495 %	100.0195 %	101.4986 %	102.5876 %	100.5958 %	102.4983 %
Concentration per Run	0.0005 ppm	101.1883 %	101.6988 %	101.1024 %	102.4813 %	99.7135 %	102.3643 %
Recovery Percentage	11.439 %						
Concentration RSD	4.9 %	0.3 %	0.8 %	0.2 %	0.4 %	0.8 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: ICV
Analysis started at: 9/11/2025 10:06:03 AM
Rack 0
Vial 10
Comment changed position

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4765 ppm	0.4951 ppm	0.4847 ppm	0.4921 ppm	0.4979 ppm	0.5088 ppm	0.5111 ppm
Concentration per Run	0.4758 ppm	0.4986 ppm	0.4878 ppm	0.4934 ppm	0.4952 ppm	0.5066 ppm	0.5103 ppm
Concentration per Run	0.4763 ppm	0.4929 ppm	0.4814 ppm	0.4941 ppm	0.4968 ppm	0.5100 ppm	0.5114 ppm
Concentration per Run	0.4775 ppm	0.4939 ppm	0.4848 ppm	0.4886 ppm	0.5018 ppm	0.5099 ppm	0.5117 ppm
Recovery Percentage	95.306 %	99.025 %	96.930 %	98.413 %	99.590 %	101.770 %	102.218 %
Concentration RSD	0.2 %	0.6 %	0.7 %	0.6 %	0.7 %	0.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5054 ppm	0.5051 ppm	0.5042 ppm	0.5029 ppm	0.5069 ppm	5.1769 ppm	0.5120 ppm
Concentration per Run	0.5083 ppm	0.5082 ppm	0.5052 ppm	0.5022 ppm	0.5058 ppm	5.1585 ppm	0.5164 ppm
Concentration per Run	0.5028 ppm	0.5084 ppm	0.5027 ppm	0.5045 ppm	0.5074 ppm	5.1897 ppm	0.5088 ppm
Concentration per Run	0.5051 ppm	0.5018 ppm	0.5047 ppm	0.5020 ppm	0.5076 ppm	5.1824 ppm	0.5107 ppm
Recovery Percentage	101.079 %	101.026 %	100.837 %	100.580 %	101.386 %	103.538 %	102.398 %
Concentration RSD	0.5 %	0.6 %	0.3 %	0.3 %	0.2 %	0.3 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5062 ppm	0.5109 ppm	0.4891 ppm	10.2438 ppm	0.5126 ppm	0.4982 ppm	0.5121 ppm
Concentration per Run	0.5110 ppm	0.5106 ppm	0.4896 ppm	10.2378 ppm	0.5139 ppm	0.4992 ppm	0.5129 ppm
Concentration per Run	0.5022 ppm	0.5107 ppm	0.4873 ppm	10.2746 ppm	0.5108 ppm	0.4966 ppm	0.5110 ppm
Concentration per Run	0.5054 ppm	0.5113 ppm	0.4903 ppm	10.2188 ppm	0.5131 ppm	0.4986 ppm	0.5125 ppm
Recovery Percentage	101.242 %	102.177 %	97.816 %	102.438 %	102.519 %	99.632 %	102.428 %
Concentration RSD	0.9 %	0.1 %	0.3 %	0.3 %	0.3 %	0.3 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4761 ppm	5.3309 ppm	0.5058 ppm	0.5076 ppm	0.4997 ppm	0.5076 ppm	0.5055 ppm
Concentration per Run	0.4771 ppm	5.3145 ppm	0.5066 ppm	0.5063 ppm	0.4976 ppm	0.5082 ppm	0.5059 ppm
Concentration per Run	0.4721 ppm	5.3273 ppm	0.5056 ppm	0.5078 ppm	0.5006 ppm	0.5034 ppm	0.5048 ppm
Concentration per Run	0.4790 ppm	5.3509 ppm	0.5051 ppm	0.5088 ppm	0.5010 ppm	0.5111 ppm	0.5059 ppm
Recovery Percentage	95.214 %	101.540 %	101.156 %	101.524 %	99.940 %	101.516 %	101.095 %
Concentration RSD	0.8 %	0.3 %	0.2 %	0.2 %	0.4 %	0.8 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5029 ppm	104.3610 %	104.3610 %	99.2159 %	102.4321 %	102.1417 %	101.6659 %
Concentration per Run	0.5048 ppm	103.4450 %	104.8131 %	99.0408 %	102.4129 %	103.6146 %	101.6999 %
Concentration per Run	0.5007 ppm	103.9559 %	104.2938 %	99.6394 %	102.8001 %	101.8108 %	101.7877 %
Concentration per Run	0.5031 ppm	103.3828 %	103.9761 %	98.9676 %	102.0833 %	100.9997 %	101.5101 %
Recovery Percentage	100.572 %						
Concentration RSD	0.4 %	0.3 %	0.4 %	0.4 %	0.4 %	1.3 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: ICB
Analysis started at: 9/11/2025 10:09:37 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0008 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0054 ppm
Concentration per Run	0.0002 ppm	-0.0019 ppm	-0.0001 ppm	-0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0043 ppm
Concentration per Run	-0.0002 ppm	0.0014 ppm	-0.0013 ppm	-0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0049 ppm
Recovery Percentage	-0.711 %	-0.193 %	-16.894 %	-1.176 %	0.704 %	0.982 %	5.361 %
Concentration RSD	548.3 %	867.6 %	74.5 %	122.3 %	61.8 %	13.8 %	25.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm	0.0200 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0020 ppm	0.0297 ppm	0.0008 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0003 ppm	0.0000 ppm	0.0007 ppm	0.0231 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0020 ppm	0.0073 ppm	0.0005 ppm
Recovery Percentage	2.934 %	-2.277 %	0.335 %	-0.309 %	3.106 %	0.801 %	2.955 %
Concentration RSD	21.1 %	105.5 %	846.3 %	520.8 %	49.8 %	57.3 %	218.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run	-0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	-0.0007 ppm	-0.0004 ppm
Concentration per Run	-0.0009 ppm	0.0001 ppm	0.0043 ppm	-0.0008 ppm	-0.0003 ppm	0.0002 ppm	0.0010 ppm
Concentration per Run	-0.0007 ppm	0.0000 ppm	0.0041 ppm	0.0013 ppm	-0.0003 ppm	-0.0001 ppm	-0.0002 ppm
Recovery Percentage	-0.820 %	0.173 %	8.239 %	0.006 %	-0.846 %	-1.800 %	0.257 %
Concentration RSD	11.2 %	240.2 %	3.8 %	948.1 %	50.7 %	260.3 %	613.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	-0.0028 ppm	0.0019 ppm	0.0001 ppm	0.0005 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	0.0034 ppm	-0.0013 ppm	0.0021 ppm	0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run	0.0027 ppm	-0.0043 ppm	0.0022 ppm	0.0000 ppm	0.0004 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	0.0029 ppm	-0.0029 ppm	0.0014 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	-0.0002 ppm
Recovery Percentage	30.089 %	-0.566 %	3.791 %	0.568 %	4.962 %	4.180 %	-0.026 %
Concentration RSD	12.5 %	53.9 %	22.7 %	33.9 %	11.7 %	25.8 %	7.306.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	101.9866 %	101.1798 %	100.5313 %	102.9687 %	100.2384 %	101.9284 %
Concentration per Run	0.0008 ppm	102.2631 %	101.5297 %	101.3748 %	103.3180 %	100.6171 %	102.6892 %
Concentration per Run	0.0005 ppm	101.9891 %	99.9799 %	101.2889 %	102.7425 %	99.5396 %	101.1908 %
Concentration per Run	0.0007 ppm	101.7078 %	100.7207 %	100.2391 %	102.8455 %	100.5586 %	101.9053 %
Recovery Percentage	11.609 %						
Concentration RSD	14.8 %	0.3 %	0.4 %	0.7 %	0.3 %	0.6 %	0.7 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: LLOQ
Analysis started at: 9/11/2025 10:13:02 AM
Rack 0
Vial 5
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0047 ppm	0.0964 ppm	0.0047 ppm	0.0281 ppm	0.0099 ppm	0.0050 ppm	0.1004 ppm
Concentration per Run	0.0047 ppm	0.0973 ppm	0.0040 ppm	0.0282 ppm	0.0099 ppm	0.0050 ppm	0.0997 ppm
Concentration per Run	0.0046 ppm	0.0949 ppm	0.0050 ppm	0.0287 ppm	0.0098 ppm	0.0051 ppm	0.1020 ppm
Concentration per Run	0.0048 ppm	0.0971 ppm	0.0049 ppm	0.0275 ppm	0.0098 ppm	0.0050 ppm	0.0995 ppm
Recovery Percentage	93.580 %	96.413 %	93.001 %	93.811 %	98.549 %	100.444 %	100.407 %
Concentration RSD	1.6 %	1.4 %	11.6 %	2.1 %	0.5 %	0.7 %	1.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0040 ppm	0.0098 ppm	0.0097 ppm	0.0098 ppm	0.0531 ppm	2.5875 ppm	0.0109 ppm
Concentration per Run	0.0039 ppm	0.0096 ppm	0.0095 ppm	0.0100 ppm	0.0529 ppm	2.5715 ppm	0.0112 ppm
Concentration per Run	0.0041 ppm	0.0098 ppm	0.0099 ppm	0.0097 ppm	0.0542 ppm	2.5996 ppm	0.0109 ppm
Concentration per Run	0.0040 ppm	0.0101 ppm	0.0096 ppm	0.0098 ppm	0.0523 ppm	2.5914 ppm	0.0105 ppm
Recovery Percentage	99.954 %	98.197 %	97.172 %	97.628 %	106.201 %	103.499 %	108.713 %
Concentration RSD	2.3 %	2.6 %	2.1 %	2.1 %	1.8 %	0.6 %	3.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1003 ppm	0.0101 ppm	0.0485 ppm	2.0372 ppm	0.0198 ppm	0.0100 ppm	0.0504 ppm
Concentration per Run	0.1002 ppm	0.0100 ppm	0.0483 ppm	2.0386 ppm	0.0201 ppm	0.0100 ppm	0.0504 ppm
Concentration per Run	0.1011 ppm	0.0101 ppm	0.0483 ppm	2.0369 ppm	0.0196 ppm	0.0100 ppm	0.0505 ppm
Concentration per Run	0.0997 ppm	0.0101 ppm	0.0490 ppm	2.0360 ppm	0.0196 ppm	0.0101 ppm	0.0503 ppm
Recovery Percentage	100.339 %	100.786 %	97.065 %	101.858 %	98.875 %	100.365 %	100.787 %
Concentration RSD	0.7 %	0.4 %	0.8 %	0.1 %	1.4 %	0.8 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0094 ppm	0.4764 ppm	0.0509 ppm	0.0098 ppm	0.0100 ppm	0.0199 ppm	0.0096 ppm
Concentration per Run	0.0091 ppm	0.4755 ppm	0.0514 ppm	0.0098 ppm	0.0101 ppm	0.0208 ppm	0.0097 ppm
Concentration per Run	0.0108 ppm	0.4764 ppm	0.0507 ppm	0.0099 ppm	0.0100 ppm	0.0191 ppm	0.0096 ppm
Concentration per Run	0.0082 ppm	0.4773 ppm	0.0505 ppm	0.0098 ppm	0.0099 ppm	0.0199 ppm	0.0095 ppm
Recovery Percentage	93.709 %	95.281 %	101.706 %	98.428 %	100.325 %	99.643 %	95.719 %
Concentration RSD	13.9 %	0.2 %	0.9 %	0.8 %	1.0 %	4.1 %	1.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0054 ppm	103.7895 %	103.6081 %	101.6530 %	103.1231 %	101.3332 %	102.3753 %
Concentration per Run	0.0052 ppm	103.7942 %	104.4647 %	101.6769 %	103.1096 %	101.9998 %	102.1912 %
Concentration per Run	0.0055 ppm	104.1250 %	103.4000 %	101.8215 %	103.0475 %	101.4613 %	102.8769 %
Concentration per Run	0.0055 ppm	103.4492 %	102.9597 %	101.4605 %	103.2123 %	100.5386 %	102.0578 %
Recovery Percentage	108.082 %						
Concentration RSD	2.6 %	0.3 %	0.7 %	0.2 %	0.1 %	0.7 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: ICSA
Analysis started at: 9/11/2025 10:16:28 AM
Rack 0
Vial 6
Comment LDR +/-10%

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0018 ppm	483.6094 ppm	0.0001 ppm	-0.0002 ppm	0.0020 ppm	0.0001 ppm	453.1996 ppm
Concentration per Run	0.0016 ppm	482.9648 ppm	0.0007 ppm	-0.0013 ppm	0.0020 ppm	0.0001 ppm	451.8648 ppm
Concentration per Run	0.0018 ppm	481.3222 ppm	-0.0007 ppm	-0.0001 ppm	0.0020 ppm	0.0001 ppm	452.7888 ppm
Concentration per Run	0.0020 ppm	486.5411 ppm	0.0003 ppm	0.0007 ppm	0.0019 ppm	0.0001 ppm	454.9450 ppm
Recovery Percentage	35.569 %	483.609.353 %	2.084 %	-0.667 %	19.647 %	1.791 %	453.199.556 %
Concentration RSD	13.0 %	0.6 %	705.8 %	511.1 %	3.5 %	27.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0047 ppm	-0.0004 ppm	-0.0006 ppm	0.0017 ppm	175.4749 ppm	-0.0029 ppm	0.0008 ppm
Concentration per Run	-0.0046 ppm	0.0002 ppm	-0.0005 ppm	0.0019 ppm	174.7013 ppm	-0.0023 ppm	-0.0079 ppm
Concentration per Run	-0.0049 ppm	-0.0009 ppm	-0.0008 ppm	0.0011 ppm	175.3850 ppm	0.0056 ppm	0.0018 ppm
Concentration per Run	-0.0046 ppm	-0.0005 ppm	-0.0006 ppm	0.0020 ppm	176.3386 ppm	-0.0120 ppm	0.0084 ppm
Recovery Percentage	-117.945 %	-3.928 %	-6.139 %	16.862 %	350.949.882 %	-0.116 %	7.797 %
Concentration RSD	4.1 %	150.6 %	26.1 %	27.7 %	0.5 %	306.3 %	1,057.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	450.0204 ppm	0.0018 ppm	0.0017 ppm	0.0046 ppm	0.0006 ppm	-0.0126 ppm	-0.0058 ppm
Concentration per Run	447.0499 ppm	0.0017 ppm	-0.0001 ppm	0.0057 ppm	0.0001 ppm	-0.0120 ppm	-0.0089 ppm
Concentration per Run	453.1883 ppm	0.0018 ppm	0.0002 ppm	0.0039 ppm	0.0008 ppm	-0.0115 ppm	-0.0068 ppm
Concentration per Run	449.8229 ppm	0.0018 ppm	0.0000 ppm	0.0043 ppm	0.0009 ppm	-0.0143 ppm	-0.0016 ppm
Recovery Percentage	450,020.390 %	17.621 %	0.097 %	0.231 %	2.417 %	-126.159 %	-11.552 %
Concentration RSD	0.7 %	4.0 %	332.8 %	21.5 %	75.3 %	12.0 %	64.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0007 ppm	-0.0171 ppm	0.0013 ppm	-0.0055 ppm	-0.0003 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0017 ppm	-0.0184 ppm	0.0006 ppm	-0.0055 ppm	-0.0004 ppm	0.0010 ppm	-0.0004 ppm
Concentration per Run	-0.0031 ppm	-0.0177 ppm	0.0035 ppm	-0.0056 ppm	-0.0003 ppm	0.0026 ppm	0.0003 ppm
Concentration per Run	-0.0006 ppm	-0.0152 ppm	-0.0003 ppm	-0.0054 ppm	-0.0001 ppm	-0.0009 ppm	-0.0001 ppm
Recovery Percentage	-6.673 %	-3.418 %	2.584 %	-55.310 %	-2.760 %	4.357 %	-0.659 %
Concentration RSD	357.6 %	9.8 %	154.6 %	1.9 %	49.8 %	198.4 %	557.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0018 ppm	87.7816 %	95.0717 %	75.4523 %	86.1500 %	97.7002 %	87.2879 %
Concentration per Run	-0.0021 ppm	88.0975 %	95.4761 %	75.5124 %	86.2639 %	97.5690 %	87.3542 %
Concentration per Run	-0.0016 ppm	87.7177 %	94.9173 %	75.6232 %	86.4924 %	97.5540 %	87.4059 %
Concentration per Run	-0.0017 ppm	87.5296 %	94.8218 %	75.2213 %	85.6938 %	97.9777 %	87.1035 %
Recovery Percentage	-35.678 %						
Concentration RSD	14.6 %	0.3 %	0.4 %	0.3 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: LDR 300 Fe pass
Analysis started at: 9/11/2025 10:21:26 AM
Rack 1
Vial 1
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0013 ppm	0.0521 ppm	-0.0016 ppm	-0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0274 ppm
Concentration per Run	0.0013 ppm	0.0502 ppm	-0.0010 ppm	-0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0300 ppm
Concentration per Run	0.0013 ppm	0.0535 ppm	-0.0020 ppm	0.0007 ppm	0.0004 ppm	0.0000 ppm	0.0271 ppm
Concentration per Run	0.0014 ppm	0.0524 ppm	-0.0018 ppm	-0.0015 ppm	0.0003 ppm	0.0001 ppm	0.0250 ppm
Concentration RSD	5.4 %	3.3 %	34.2 %	225.0 %	12.4 %	32.1 %	9.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	-0.0008 ppm	-0.0014 ppm	0.0043 ppm	272.6707 ppm	-0.0322 ppm	0.0002 ppm
Concentration per Run	0.0010 ppm	-0.0009 ppm	-0.0013 ppm	0.0040 ppm	272.9497 ppm	-0.0317 ppm	0.0003 ppm
Concentration per Run	0.0010 ppm	-0.0007 ppm	-0.0015 ppm	0.0043 ppm	272.4621 ppm	-0.0272 ppm	-0.0002 ppm
Concentration per Run	0.0011 ppm	-0.0008 ppm	-0.0012 ppm	0.0046 ppm	272.6004 ppm	-0.0378 ppm	0.0004 ppm
Concentration RSD	3.0 %	15.7 %	11.4 %	6.1 %	0.1 %	16.6 %	199.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0093 ppm	0.0003 ppm	-0.0014 ppm	0.0026 ppm	-0.0013 ppm	-0.0007 ppm	0.0015 ppm
Concentration per Run	0.0112 ppm	0.0004 ppm	-0.0015 ppm	0.0039 ppm	-0.0015 ppm	-0.0005 ppm	0.0033 ppm
Concentration per Run	0.0094 ppm	0.0002 ppm	-0.0012 ppm	0.0019 ppm	-0.0019 ppm	-0.0018 ppm	0.0014 ppm
Concentration per Run	0.0074 ppm	0.0003 ppm	-0.0014 ppm	0.0021 ppm	-0.0004 ppm	0.0002 ppm	-0.0001 ppm
Concentration RSD	20.1 %	32.8 %	8.9 %	41.2 %	63.8 %	154.5 %	113.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	-0.0051 ppm	0.0010 ppm	0.0002 ppm	0.0001 ppm	0.0010 ppm	0.0011 ppm
Concentration per Run	0.0002 ppm	-0.0045 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	0.0007 ppm	0.0011 ppm
Concentration per Run	-0.0001 ppm	-0.0059 ppm	0.0014 ppm	0.0002 ppm	0.0000 ppm	0.0019 ppm	0.0012 ppm
Concentration per Run	-0.0009 ppm	-0.0049 ppm	0.0009 ppm	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0010 ppm
Concentration RSD	209.0 %	13.5 %	29.0 %	7.9 %	104.8 %	81.8 %	10.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0003 ppm	100.8317 %	102.9467 %	93.6643 %	100.4878 %	102.5612 %	99.9992 %
Concentration per Run	-0.0003 ppm	101.2666 %	102.7241 %	93.7669 %	100.6105 %	102.6002 %	99.9121 %
Concentration per Run	-0.0002 ppm	100.6427 %	103.2266 %	93.2266 %	100.4141 %	103.2204 %	99.8544 %
Concentration per Run	-0.0003 ppm	100.5858 %	102.5014 %	93.9993 %	100.4389 %	101.8629 %	100.2310 %
Concentration RSD	24.1 %	0.4 %	0.6 %	0.4 %	0.1 %	0.7 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: SIC Multi
Analysis started at: 9/11/2025 10:25:51 AM
Rack 0
Vial 7
Comment LDR +/-10%

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0010 ppm	0.0658 ppm	-0.0038 ppm	0.0029 ppm	0.0019 ppm	0.0014 ppm	0.0255 ppm
Concentration per Run	0.0009 ppm	0.0705 ppm	-0.0027 ppm	0.0026 ppm	0.0014 ppm	0.0018 ppm	0.0278 ppm
Concentration per Run	0.0008 ppm	0.0630 ppm	-0.0039 ppm	0.0028 ppm	0.0019 ppm	0.0013 ppm	0.0246 ppm
Concentration per Run	0.0013 ppm	0.0640 ppm	-0.0047 ppm	0.0034 ppm	0.0019 ppm	0.0014 ppm	0.0242 ppm
Recovery Percentage	19.792 %	65.815 %	-75.049 %	9.825 %	18.961 %	27.844 %	25.541 %
Concentration RSD	24.6 %	6.2 %	27.0 %	14.7 %	2.6 %	4.0 %	7.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0016 ppm	-0.0049 ppm	19.5917 ppm	0.0006 ppm	0.0602 ppm	0.0673 ppm	0.0015 ppm
Concentration per Run	0.0016 ppm	-0.0052 ppm	19.5957 ppm	0.0005 ppm	0.0610 ppm	0.0706 ppm	0.0010 ppm
Concentration per Run	0.0015 ppm	-0.0051 ppm	19.6471 ppm	0.0007 ppm	0.0615 ppm	0.0598 ppm	0.0012 ppm
Concentration per Run	0.0016 ppm	-0.0045 ppm	19.5322 ppm	0.0005 ppm	0.0581 ppm	0.0714 ppm	0.0025 ppm
Recovery Percentage	39.196 %	-49.446 %	195.916666 %	5.659 %	120.420 %	2.691 %	15.400 %
Concentration RSD	2.1 %	7.4 %	0.3 %	14.2 %	3.1 %	9.7 %	51.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0192 ppm	20.0456 [SIC 100]	0.0023 ppm	0.0543 ppm	0.0018 ppm	-0.0030 ppm	-0.0316 ppm
Concentration per Run	0.0190 ppm	20.0725 ppm	0.0024 ppm	0.0541 ppm	0.0016 ppm	-0.0032 ppm	-0.0345 ppm
Concentration per Run	0.0192 ppm	20.1270 ppm	0.0023 ppm	0.0562 ppm	0.0016 ppm	-0.0291 ppm	-0.0291 ppm
Concentration per Run	0.0193 ppm	19.9372 ppm	0.0021 ppm	0.0526 ppm	0.0021 ppm	-0.0030 ppm	-0.0313 ppm
Recovery Percentage	19.167 %	200.455669 %	4.583 %	2.717 %	7.053 %	-30.155 %	-63.251 %
Concentration RSD	0.7 %	0.5 %	7.0 %	3.4 %	16.0 %	5.8 %	8.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0025 ppm	-1.1926 ppm	-0.0062 ppm	0.0017 ppm	19.2869 ppm	-0.0181 ppm	9.8197 ppm
Concentration per Run	-0.0031 ppm	-1.2567 ppm	-0.0058 ppm	0.0017 ppm	19.3077 ppm	-0.0173 ppm	9.8314 ppm
Concentration per Run	-0.0022 ppm	-1.1816 ppm	-0.0057 ppm	0.0018 ppm	19.2912 ppm	-0.0194 ppm	9.8278 ppm
Concentration per Run	-0.0023 ppm	-1.1394 ppm	-0.0071 ppm	0.0017 ppm	19.2619 ppm	-0.0175 ppm	9.7999 ppm
Recovery Percentage	-25.390 %	-238.512 %	-12.371 %	17.457 %	192.869495 %	-90.363 %	98.196841 %
Concentration RSD	19.2 %	5.0 %	13.0 %	1.2 %	0.1 %	6.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	102.8778 %	103.1585 %	80.5477 %	102.5806 %	101.0480 %	102.3112 %
Concentration per Run	-0.0002 ppm	103.0325 %	103.2554 %	80.8272 %	102.6672 %	101.6375 %	102.0988 %
Concentration per Run	-0.0001 ppm	102.3247 %	102.6145 %	80.5176 %	101.7987 %	100.4600 %	102.5061 %
Concentration per Run	0.0002 ppm	103.2763 %	103.6056 %	80.2982 %	103.2758 %	101.0465 %	102.3289 %
Recovery Percentage	-0.299 %						
Concentration RSD	1.3838 %	0.5 %	0.5 %	0.3 %	0.7 %	0.6 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: LDR Check
Analysis started at: 9/11/2025 10:29:48 AM
Rack 0
Vial 8
Comment LDR +/-10%

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0008 ppm	0.0650 ppm		5.0982 [SIC 20]	9.7765 ppm	0.0008 ppm	0.0316 ppm
Concentration per Run	0.0011 ppm	0.0662 ppm	5.7299 ppm	5.0884 ppm	9.8684 ppm	0.0008 ppm	0.0322 ppm
Concentration per Run	0.0008 ppm	0.0679 ppm	5.7276 ppm	5.1098 ppm	9.7020 ppm	0.0008 ppm	0.0295 ppm
Concentration per Run	0.0005 ppm	0.0611 ppm	5.7465 ppm	5.0965 ppm	9.7590 ppm	0.0008 ppm	0.0331 ppm
Recovery Percentage			114.599 %	101.964 %	97.765 %		0.000 %
Concentration RSD	38.5 %	5.5 %	0.3 %	0.2 %	0.9 %	3.4 %	5.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0015 ppm	0.0041 ppm	19.7685 ppm	0.0328 ppm	314.0789 ppm	5.0903 ppm
Concentration per Run	0.0008 ppm	0.0016 ppm	0.0047 ppm	19.8151 ppm	0.0336 ppm	312.2153 ppm	5.0818 ppm
Concentration per Run	0.0008 ppm	0.0016 ppm	0.0036 ppm	19.7636 ppm	0.0319 ppm	313.0905 ppm	5.1067 ppm
Concentration per Run	0.0009 ppm	0.0011 ppm	0.0040 ppm	19.7269 ppm	0.0329 ppm	316.9310 ppm	5.0824 ppm
Recovery Percentage	0.000 %	0.000 %		98.843 %	0.000 %	104.693 %	101.806 %
Concentration RSD	4.2 %	19.7 %	13.3 %	0.2 %	2.6 %	0.8 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0020 ppm	0.0035 ppm		374.3442 ppm	10.3959 [SIC 50]	50.6028 ppm	-0.0100 ppm
Concentration per Run	0.0011 ppm	0.0036 ppm	5.1547 ppm	373.9103 ppm	10.3611 ppm	50.6247 ppm	-0.0110 ppm
Concentration per Run	0.0023 ppm	0.0035 ppm	5.2189 ppm	372.7751 ppm	10.3808 ppm	50.4392 ppm	-0.0104 ppm
Concentration per Run	0.0027 ppm	0.0035 ppm	5.2429 ppm	376.3472 ppm	10.4459 ppm	50.7445 ppm	-0.0088 ppm
Recovery Percentage		0.000 %	104.110 %	93.586 %	103.959 %	101.206 %	0.000 %
Concentration RSD	41.7 %	2.6 %	0.9 %	0.5 %	0.4 %	0.3 %	11.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	21.8552 [SIC 200]	0.0021 ppm	0.0012 ppm	0.0273 ppm	-0.0009 ppm	0.0040 ppm
Concentration per Run	0.0028 ppm	21.6820 ppm	0.0013 ppm	0.0012 ppm	0.0287 ppm	-0.0004 ppm	0.0042 ppm
Concentration per Run	0.0002 ppm	21.9071 ppm	0.0025 ppm	0.0012 ppm	0.0274 ppm	-0.0011 ppm	0.0039 ppm
Concentration per Run	0.0028 ppm	21.9766 ppm	0.0025 ppm	0.0012 ppm	0.0258 ppm	-0.0013 ppm	0.0039 ppm
Recovery Percentage	0.000 %	109.276 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	78.4 %	0.7 %	31.4 %	2.0 %	5.4 %	51.4 %	4.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	20.2553 [SIC 20]	90.0956 %	99.2988 %	82.7090 %	89.0625 %	97.4993 %	88.3197 %
Concentration per Run	20.1920 ppm	90.2604 %	99.0732 %	83.0212 %	89.2301 %	97.6740 %	88.4132 %
Concentration per Run	20.2658 ppm	90.0372 %	100.7824 %	82.7914 %	89.0220 %	98.3040 %	88.4243 %
Concentration per Run	20.3081 ppm	89.9893 %	98.0407 %	82.3144 %	88.9354 %	96.5200 %	88.1215 %
Recovery Percentage	101.276 %						
Concentration RSD	0.3 %	0.2 %	1.4 %	0.4 %	0.2 %	0.9 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: LDR 5 As pass
Analysis started at: 9/11/2025 10:49:29 AM
Rack 1
Vial 2
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0025 ppm		-0.0016 ppm	0.0002 ppm	0.0000 ppm	0.0122 ppm
Concentration per Run	-0.0001 ppm	0.0070 ppm	5.1323 ppm	-0.0013 ppm	0.0002 ppm	0.0000 ppm	0.0102 ppm
Concentration per Run	0.0001 ppm	0.0020 ppm	5.1386 ppm	-0.0015 ppm	0.0002 ppm	0.0000 ppm	0.0141 ppm
Concentration per Run	0.0001 ppm	-0.0015 ppm	5.1659 ppm	-0.0020 ppm	0.0003 ppm	0.0000 ppm	0.0123 ppm
Concentration RSD	191.5 %	170.4 %	0.7 %	24.4 %	22.1 %	46.4 %	15.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0032 ppm	0.0318 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0002 ppm	-0.0001 ppm	0.0038 ppm	0.0249 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0030 ppm	0.0297 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0006 ppm	0.0002 ppm	0.0029 ppm	0.0407 ppm	0.0015 ppm
Concentration RSD	434.5 %	323.8 %	57.9 %	612.5 %	15.0 %	25.4 %	142.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0013 ppm	0.0002 ppm	0.0003 ppm	0.0175 ppm	0.0003 ppm	0.0006 ppm	0.0043 ppm
Concentration per Run	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0190 ppm	-0.0002 ppm	0.0005 ppm	0.0059 ppm
Concentration per Run	0.0022 ppm	0.0002 ppm	0.0004 ppm	0.0172 ppm	0.0008 ppm	0.0011 ppm	0.0041 ppm
Concentration per Run	0.0007 ppm	0.0002 ppm	0.0005 ppm	0.0161 ppm	0.0005 ppm	0.0003 ppm	0.0030 ppm
Concentration RSD	66.2 %	7.3 %	82.8 %	8.5 %	140.2 %	65.0 %	33.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0013 ppm	-0.0022 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	-0.0013 ppm	-0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	-0.0014 ppm	-0.0024 ppm	0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run	-0.0011 ppm	-0.0024 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm
Concentration RSD	14.2 %	12.4 %	48.2 %	162.8 %	84.2 %	88.0 %	212.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	104.3774 %	105.2763 %	103.5732 %	104.4018 %	103.4309 %	104.0542 %
Concentration per Run	0.0006 ppm	104.6991 %	105.1794 %	103.5941 %	104.6891 %	104.1021 %	103.9154 %
Concentration per Run	0.0007 ppm	104.0570 %	105.2320 %	103.8312 %	104.2835 %	104.5380 %	104.5380 %
Concentration per Run	0.0006 ppm	104.3760 %	105.4176 %	103.2942 %	104.2327 %	103.4964 %	103.7093 %
Concentration RSD	9.9 %	0.3 %	0.1 %	0.3 %	0.2 %	0.7 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: LDR 700 Ca pass _IEC +Li
Analysis started at: 9/11/2025 10:54:00 AM
Rack 1
Vial 3
Comment LDR +/-10%

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.0158 ppm	0.0015 ppm	-0.0002 ppm	0.0017 ppm	0.0000 ppm	677.2589 ppm
Concentration per Run	-0.0010 ppm	0.0143 ppm	0.0013 ppm	-0.0001 ppm	0.0017 ppm	0.0000 ppm	678.9347 ppm
Concentration per Run	-0.0008 ppm	0.0191 ppm	0.0023 ppm	0.0002 ppm	0.0018 ppm	0.0000 ppm	675.1690 ppm
Concentration per Run	-0.0007 ppm	0.0140 ppm	0.0009 ppm	-0.0008 ppm	0.0018 ppm	0.0000 ppm	677.6729 ppm
Recovery Percentage	-16.996 %	15.793 %	29.568 %	-0.763 %	17.429 %	0.555 %	677.258.873 %
Concentration RSD	18.9 %	18.2 %	48.0 %	225.0 %	3.1 %	57.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0010 ppm	0.0003 ppm	0.0003 ppm	0.0004 ppm	0.0028 ppm	0.0653 ppm	-0.0001 ppm
Concentration per Run	-0.0010 ppm	0.0004 ppm	0.0001 ppm	0.0004 ppm	0.0034 ppm	0.0700 ppm	0.0054 ppm
Concentration per Run	-0.0010 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0020 ppm	0.0682 ppm	0.0014 ppm
Concentration per Run	-0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0029 ppm	0.0578 ppm	-0.0071 ppm
Recovery Percentage	-24.514 %	2.578 %	0.479 %	4.001 %	5.513 %	2.613 %	-0.799 %
Concentration RSD	8.3 %	136.4 %	79.2 %	39.2 %	26.3 %	10.1 %	7.988.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0121 ppm	0.0005 ppm	0.0005 ppm	0.0208 ppm	0.0002 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run	0.0135 ppm	0.0004 ppm	0.0003 ppm	0.0204 ppm	0.0000 ppm	0.0005 ppm	-0.0011 ppm
Concentration per Run	0.0111 ppm	0.0005 ppm	0.0004 ppm	0.0199 ppm	0.0002 ppm	0.0014 ppm	0.0013 ppm
Concentration per Run	0.0117 ppm	0.0005 ppm	-0.0001 ppm	0.0221 ppm	0.0004 ppm	0.0008 ppm	0.0002 ppm
Recovery Percentage	12.108 %	4.535 %	0.395 %	1.041 %	0.711 %	8.857 %	0.317 %
Concentration RSD	10.0 %	4.8 %	142.8 %	5.5 %	112.8 %	48.5 %	743.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0008 ppm	0.0027 ppm	-0.0006 ppm	0.0015 ppm	-0.0005 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run	-0.0018 ppm	0.0029 ppm	-0.0006 ppm	0.0015 ppm	-0.0007 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run	-0.0012 ppm	0.0023 ppm	-0.0016 ppm	0.0014 ppm	-0.0003 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run	0.0006 ppm	0.0029 ppm	-0.0003 ppm	0.0016 ppm	-0.0005 ppm	0.0012 ppm	0.0005 ppm
Recovery Percentage	-8.068 %	0.540 %	-1.299 %	14.988 %	-4.880 %	4.867 %	4.256 %
Concentration RSD	155.7 %	11.8 %	132.8 %	6.2 %	33.8 %	34.3 %	11.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0004 ppm	90.6987 %	95.6719 %	82.4595 %	90.8345 %	95.7927 %	91.2064 %
Concentration per Run	-0.0005 ppm	91.0043 %	96.2510 %	82.3879 %	91.1592 %	97.1294 %	90.8247 %
Concentration per Run	-0.0005 ppm	90.4945 %	95.9302 %	82.6500 %	90.8379 %	95.9830 %	91.7650 %
Concentration per Run	-0.0003 ppm	90.5973 %	94.8345 %	82.3406 %	90.5063 %	94.2657 %	91.0295 %
Recovery Percentage	-7.901 %						
Concentration RSD	30.2 %	0.3 %	0.8 %	0.2 %	0.4 %	1.5 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

CCV

Sample: 9/11/2025 11:09:42 AM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4861 ppm	0.4783 ppm	0.4829 ppm	0.4914 ppm	0.4822 ppm	0.4970 ppm	0.5001 ppm
Concentration per Run	0.4855 ppm	0.4841 ppm	0.4843 ppm	0.4915 ppm	0.4814 ppm	0.4970 ppm	0.5029 ppm
Concentration per Run	0.4851 ppm	0.4704 ppm	0.4813 ppm	0.4899 ppm	0.4825 ppm	0.4959 ppm	0.4947 ppm
Concentration per Run	0.4877 ppm	0.4804 ppm	0.4830 ppm	0.4930 ppm	0.4827 ppm	0.4980 ppm	0.5026 ppm
Recovery Percentage	97.224 %	95.664 %	96.572 %	98.289 %	96.441 %	99.390 %	100.012 %
Concentration RSD	0.3 %	1.5 %	0.3 %	0.3 %	0.1 %	0.2 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4952 ppm	0.4977 ppm	0.4929 ppm	0.4983 ppm	0.4871 ppm	5.0023 ppm	0.5054 ppm
Concentration per Run	0.4943 ppm	0.4962 ppm	0.4923 ppm	0.4963 ppm	0.4918 ppm	5.0175 ppm	0.5032 ppm
Concentration per Run	0.4968 ppm	0.4991 ppm	0.4920 ppm	0.4994 ppm	0.4829 ppm	4.9953 ppm	0.5035 ppm
Concentration per Run	0.4945 ppm	0.4978 ppm	0.4944 ppm	0.4992 ppm	0.4864 ppm	4.9940 ppm	0.5096 ppm
Recovery Percentage	99.041 %	99.536 %	98.579 %	99.666 %	97.411 %	100.046 %	101.083 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.3 %	0.9 %	0.3 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5031 ppm	0.4997 ppm	0.4819 ppm	10.0894 ppm	0.5026 ppm	0.4799 ppm	0.5091 ppm
Concentration per Run	0.5036 ppm	0.5002 ppm	0.4786 ppm	10.0654 ppm	0.5015 ppm	0.4798 ppm	0.5069 ppm
Concentration per Run	0.5030 ppm	0.4960 ppm	0.4827 ppm	10.0538 ppm	0.5026 ppm	0.4801 ppm	0.5079 ppm
Concentration per Run	0.5028 ppm	0.5030 ppm	0.4843 ppm	10.1490 ppm	0.5039 ppm	0.4797 ppm	0.5124 ppm
Recovery Percentage	100.622 %	99.944 %	96.375 %	100.894 %	100.529 %	95.971 %	101.818 %
Concentration RSD	0.1 %	0.7 %	0.6 %	0.5 %	0.2 %	0.0 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4744 ppm	5.3242 ppm	0.5004 ppm	0.4950 ppm	0.4876 ppm	0.4912 ppm	0.4945 ppm
Concentration per Run	0.4744 ppm	5.2956 ppm	0.4984 ppm	0.4929 ppm	0.4869 ppm	0.4916 ppm	0.4930 ppm
Concentration per Run	0.4749 ppm	5.3257 ppm	0.5038 ppm	0.4941 ppm	0.4866 ppm	0.4895 ppm	0.4948 ppm
Concentration per Run	0.4740 ppm	5.3512 ppm	0.4991 ppm	0.4979 ppm	0.4893 ppm	0.4924 ppm	0.4960 ppm
Recovery Percentage	94.890 %	101.413 %	100.087 %	98.993 %	97.520 %	98.231 %	98.899 %
Concentration RSD	0.1 %	0.5 %	0.6 %	0.5 %	0.3 %	0.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4949 ppm	100.7523 %	103.9059 %	98.5939 %	99.8408 %	103.3583 %	100.0459 %
Concentration per Run	0.4957 ppm	101.5038 %	102.9889 %	98.7870 %	100.1375 %	102.1980 %	100.1170 %
Concentration per Run	0.4970 ppm	100.7025 %	104.8599 %	98.9345 %	100.2677 %	103.5591 %	100.5316 %
Concentration per Run	0.4922 ppm	100.0505 %	103.8690 %	98.0602 %	99.1172 %	104.3177 %	99.4890 %
Recovery Percentage	98.989 %						
Concentration RSD	0.5 %	0.7 %	0.9 %	0.5 %	0.6 %	1.0 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 11:13:19 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	-0.0001 ppm	-0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0084 ppm
Concentration per Run	-0.0004 ppm	0.0010 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0069 ppm
Concentration per Run	0.0002 ppm	0.0019 ppm	-0.0014 ppm	-0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0096 ppm
Concentration per Run	-0.0002 ppm	-0.0019 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0087 ppm
Recovery Percentage	-2.475 %	0.324 %	-1.562 %	-1.612 %	1.063 %	1.543 %	8.382 %
Concentration RSD	218.4 %	616.5 %	1.475.8 %	246.0 %	24.1 %	22.7 %	16.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0179 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0019 ppm	0.0095 ppm	0.0005 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0024 ppm	0.0315 ppm	0.0002 ppm
Concentration per Run	0.0002 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0023 ppm	0.0128 ppm	-0.0006 ppm
Recovery Percentage	4.619 %	1.645 %	2.904 %	0.292 %	4.395 %	0.717 %	0.215 %
Concentration RSD	12.8 %	185.2 %	47.9 %	348.3 %	10.6 %	66.0 %	2,799.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0039 ppm	0.0002 ppm	0.0003 ppm	-0.0009 ppm
Concentration per Run	0.0005 ppm	0.0002 ppm	0.0002 ppm	0.0038 ppm	0.0000 ppm	0.0011 ppm	-0.0014 ppm
Concentration per Run	0.0005 ppm	0.0003 ppm	0.0003 ppm	0.0041 ppm	0.0009 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0040 ppm	0.0056 ppm	-0.0002 ppm	-0.0001 ppm	-0.0005 ppm
Recovery Percentage	0.311 %	2.666 %	7.866 %	0.340 %	0.971 %	3.122 %	-1,710 %
Concentration RSD	98.4 %	23.7 %	3.8 %	15.3 %	244.1 %	209.9 %	59.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	-0.0006 ppm	0.0010 ppm	0.0001 ppm	0.0005 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	0.0024 ppm	-0.0011 ppm	0.0013 ppm	0.0001 ppm	0.0006 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	0.0019 ppm	-0.0002 ppm	0.0010 ppm	0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0035 ppm	-0.0006 ppm	0.0006 ppm	0.0001 ppm	0.0004 ppm	0.0013 ppm	0.0000 ppm
Recovery Percentage	26.148 %	-0.129 %	1.928 %	0.955 %	5.042 %	3.829 %	0.169 %
Concentration RSD	32.1 %	68.4 %	40.2 %	32.8 %	14.4 %	67.2 %	206.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	101.7508 %	101.1852 %	101.2272 %	103.2135 %	102.7391 %	102.3582 %
Concentration per Run	0.0005 ppm	101.9274 %	101.5811 %	101.8193 %	103.2846 %	103.2017 %	102.7863 %
Concentration per Run	0.0006 ppm	101.3587 %	100.7352 %	100.7352 %	102.7460 %	102.6414 %	102.1171 %
Concentration per Run	0.0005 ppm	101.9662 %	100.9487 %	101.1272 %	103.6098 %	102.3741 %	102.1714 %
Recovery Percentage	10.381 %	0.3 %	0.3 %	0.5 %	0.4 %	0.4 %	0.4 %
Concentration RSD	6.5 %	0.3 %	0.3 %	0.5 %	0.4 %	0.4 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113217-1 WG2113217

Analysis started at: 9/11/2025 11:25:26 AM

Rack 1

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0016 ppm	-0.0016 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0142 ppm
Concentration per Run	-0.0002 ppm	0.0032 ppm	-0.0014 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0135 ppm
Concentration per Run	-0.0003 ppm	0.0029 ppm	-0.0005 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0144 ppm
Concentration per Run	-0.0005 ppm	-0.0012 ppm	-0.0028 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0148 ppm
Recovery Percentage	-6.065 %	1.616 %	-31.136 %	-0.999 %	1.299 %	0.500 %	14.230 %
Concentration RSD	51.6 %	153.0 %	73.2 %	136.9 %	68.2 %	74.0 %	4.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0017 ppm	-0.0001 ppm	0.0729 ppm	0.0265 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0019 ppm	-0.0001 ppm	0.0745 ppm	0.0244 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0018 ppm	-0.0001 ppm	0.0712 ppm	0.0320 ppm	-0.0009 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0015 ppm	0.0000 ppm	0.0731 ppm	0.0229 ppm	0.0004 ppm
Recovery Percentage	1.366 %	-1.744 %	17.209 %	-0.781 %	145.797 %	1.058 %	-1.323 %
Concentration RSD	32.6 %	123.7 %	11.5 %	108.4 %	2.3 %	18.4 %	334.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0017 ppm	0.0007 ppm	0.0007 ppm	0.0287 ppm	0.0002 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run	0.0012 ppm	0.0007 ppm	-0.0001 ppm	0.0276 ppm	0.0004 ppm	0.0006 ppm	0.0023 ppm
Concentration per Run	0.0018 ppm	0.0007 ppm	-0.0002 ppm	0.0299 ppm	0.0007 ppm	-0.0009 ppm	0.0008 ppm
Concentration per Run	0.0022 ppm	0.0008 ppm	0.0002 ppm	0.0285 ppm	-0.0005 ppm	0.0007 ppm	0.0003 ppm
Recovery Percentage	1.733 %	7.321 %	-0.070 %	1.433 %	0.844 %	1.212 %	2.648 %
Concentration RSD	30.3 %	3.0 %	536.5 %	4.1 %	289.4 %	747.5 %	62.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	0.0158 ppm	0.0103 ppm	0.0001 ppm	0.0004 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0162 ppm	0.0106 ppm	0.0001 ppm	0.0002 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run	0.0007 ppm	0.0150 ppm	0.0107 ppm	0.0000 ppm	0.0006 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run	0.0007 ppm	0.0162 ppm	0.0096 ppm	0.0001 ppm	0.0005 ppm	-0.0012 ppm	-0.0001 ppm
Recovery Percentage	4.428 %	3.157 %	20.594 %	0.789 %	4.346 %	-3.577 %	-0.204 %
Concentration RSD	95.2 %	4.5 %	5.9 %	47.1 %	45.7 %	54.8 %	314.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	103.5726 %	102.8192 %	99.6621 %	104.6353 %	103.4466 %	103.1935 %
Concentration per Run	0.0011 ppm	104.2505 %	102.5619 %	100.0122 %	105.2006 %	103.0985 %	103.4495 %
Concentration per Run	0.0009 ppm	102.7783 %	102.1278 %	100.0538 %	103.8638 %	102.4317 %	103.4890 %
Concentration per Run	0.0011 ppm	103.6891 %	103.7680 %	98.9202 %	104.8414 %	104.8096 %	102.6421 %
Recovery Percentage	20.539 %						
Concentration RSD	7.3 %	0.7 %	0.8 %	0.6 %	0.7 %	1.2 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113217-2D2 WG2113217

Analysis started at: 9/11/2025 11:28:56 AM

Rack 1

Vial 5

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0505 ppm	2.0899 ppm	0.1204 ppm	1.0394 ppm	2.0174 ppm	0.0523 ppm	10.5640 ppm
Concentration per Run	0.0506 ppm	2.1007 ppm	0.1193 ppm	1.0457 ppm	2.0158 ppm	0.0526 ppm	10.5997 ppm
Concentration per Run	0.0503 ppm	2.0758 ppm	0.1205 ppm	1.0399 ppm	2.0178 ppm	0.0521 ppm	10.5159 ppm
Concentration per Run	0.0505 ppm	2.0933 ppm	0.1214 ppm	1.0327 ppm	2.0187 ppm	0.0523 ppm	10.5763 ppm
Concentration RSD	0.3 %	0.6 %	0.9 %	0.6 %	0.1 %	0.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0543 ppm	0.5121 ppm	0.2063 ppm	0.2602 ppm	1.0582 ppm	10.7107 ppm	0.0009 ppm
Concentration per Run	0.0547 ppm	0.5156 ppm	0.2072 ppm	0.2620 ppm	1.0657 ppm	10.7167 ppm	0.0004 ppm
Concentration per Run	0.0543 ppm	0.5115 ppm	0.2058 ppm	0.2601 ppm	1.0573 ppm	10.6781 ppm	0.0010 ppm
Concentration per Run	0.0540 ppm	0.5093 ppm	0.2059 ppm	0.2584 ppm	1.0516 ppm	10.7373 ppm	0.0012 ppm
Concentration RSD	0.6 %	0.6 %	0.4 %	0.7 %	0.7 %	0.3 %	49.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.6384 ppm	0.5178 ppm	1.0678 ppm	10.9770 ppm	0.5265 ppm	0.5356 ppm	0.5296 ppm
Concentration per Run	10.7399 ppm	0.5189 ppm	1.0727 ppm	10.9492 ppm	0.5302 ppm	0.5364 ppm	0.5341 ppm
Concentration per Run	10.5848 ppm	0.5159 ppm	1.0664 ppm	10.9451 ppm	0.5254 ppm	0.5344 ppm	0.5290 ppm
Concentration per Run	10.5905 ppm	0.5186 ppm	1.0642 ppm	11.0369 ppm	0.5239 ppm	0.5361 ppm	0.5256 ppm
Concentration RSD	0.8 %	0.3 %	0.4 %	0.5 %	0.6 %	0.2 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1221 ppm	0.9634 ppm	1.0665 [SIC 50]	1.0403 ppm	1.0572 ppm	0.1230 ppm	0.5303 ppm
Concentration per Run	0.1217 ppm	0.9677 ppm	1.0729 ppm	1.0371 ppm	1.0653 ppm	0.1220 ppm	0.5328 ppm
Concentration per Run	0.1211 ppm	0.9680 ppm	1.0611 ppm	1.0427 ppm	1.0529 ppm	0.1240 ppm	0.5305 ppm
Concentration per Run	0.1235 ppm	0.9544 ppm	1.0655 ppm	1.0411 ppm	1.0535 ppm	0.1229 ppm	0.5276 ppm
Concentration RSD	1.0 %	0.8 %	0.6 %	0.3 %	0.7 %	0.8 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5212 ppm	101.2334 %	102.6622 %	95.5397 %	101.0155 %	102.5023 %	100.5810 %
Concentration per Run	0.5251 ppm	101.1401 %	102.2727 %	95.3350 %	100.9317 %	102.1008 %	100.6318 %
Concentration per Run	0.5179 ppm	101.8720 %	103.4286 %	95.7260 %	101.8235 %	102.4623 %	100.6525 %
Concentration per Run	0.5205 ppm	100.6882 %	102.2853 %	95.5581 %	100.2915 %	102.9438 %	100.4588 %
Concentration RSD	0.7 %	0.6 %	0.6 %	0.2 %	0.8 %	0.4 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555987-20D2 WG2113217

Analysis started at: 9/11/2025 11:32:22 AM

Rack 1

Vial 11

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0046 ppm	37.9939 ppm	0.0898 ppm	0.0375 ppm	1.7543 ppm	0.0056 ppm	37.4550 ppm
Concentration per Run	0.0048 ppm	38.1350 ppm	0.0897 ppm	0.0379 ppm	1.7460 ppm	0.0056 ppm	37.6816 ppm
Concentration per Run	0.0041 ppm	38.1367 ppm	0.0899 ppm	0.0371 ppm	1.7568 ppm	0.0056 ppm	37.5671 ppm
Concentration per Run	0.0050 ppm	37.7101 ppm	0.0900 ppm	0.0374 ppm	1.7602 ppm	0.0056 ppm	37.1164 ppm
Concentration RSD	10.0 %	0.6 %	0.2 %	1.0 %	0.4 %	0.2 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0093 ppm	0.0605 ppm	0.1775 ppm	1.0218 ppm	137.8446 ppm	4.7106 ppm	0.0553 ppm
Concentration per Run	0.0094 ppm	0.0604 ppm	0.1784 ppm	1.0191 ppm	137.7034 ppm	4.7075 ppm	0.0552 ppm
Concentration per Run	0.0092 ppm	0.0602 ppm	0.1768 ppm	1.0265 ppm	138.1820 ppm	4.7281 ppm	0.0558 ppm
Concentration per Run	0.0092 ppm	0.0609 ppm	0.1772 ppm	1.0199 ppm	137.6485 ppm	4.6963 ppm	0.0547 ppm
Concentration RSD	1.2 %	0.6 %	0.5 %	0.4 %	0.2 %	0.3 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	7.9680 ppm	0.7458 ppm	0.0594 ppm	11.1592 ppm	0.1847 ppm	5.2666 ppm	0.0254 ppm
Concentration per Run	8.0493 ppm	0.7476 ppm	0.0600 ppm	11.1589 ppm	0.1862 ppm	5.2473 ppm	0.0269 ppm
Concentration per Run	7.9464 ppm	0.7483 ppm	0.0582 ppm	11.2897 ppm	0.1831 ppm	5.2768 ppm	0.0235 ppm
Concentration per Run	7.9083 ppm	0.7413 ppm	0.0589 ppm	11.0492 ppm	0.1849 ppm	5.2756 ppm	0.0259 ppm
Concentration RSD	0.9 %	0.5 %	0.9 %	1.0 %	0.8 %	0.3 %	6.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0222 ppm	8.6315 ppm	1.1125 [SIC 50]	0.3949 ppm	1.7465 ppm	0.0016 ppm	0.1941 ppm
Concentration per Run	0.0212 ppm	8.6990 ppm	1.1209 ppm	0.3924 ppm	1.7375 ppm	0.0016 ppm	0.1942 ppm
Concentration per Run	0.0230 ppm	8.6098 ppm	1.1029 ppm	0.3968 ppm	1.7507 ppm	0.0016 ppm	0.1945 ppm
Concentration per Run	0.0225 ppm	8.5857 ppm	1.1136 ppm	0.3954 ppm	1.7514 ppm	0.0016 ppm	0.1936 ppm
Concentration RSD	4.4 %	0.7 %	0.8 %	0.6 %	0.4 %	1.8 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	7.4846 ppm	101.6185 %	106.3776 %	92.1472 %	115.4713 %	120.7318 %	116.0367 %
Concentration per Run	7.5716 ppm	101.9174 %	106.0924 %	92.0447 %	116.0821 %	120.5546 %	115.5439 %
Concentration per Run	7.4030 ppm	101.4373 %	105.5598 %	92.3845 %	114.9048 %	120.8111 %	116.1617 %
Concentration per Run	7.4791 ppm	101.5009 %	107.4806 %	92.0125 %	115.4271 %	120.8295 %	116.4044 %
Concentration RSD	1.1 %	0.3 %	0.9 %	0.2 %	0.5 %	0.1 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555987-26D2 WG2113217

Analysis started at: 9/11/2025 11:35:48 AM

Rack 1

Vial 12

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0103 ppm	73.0155 ppm	0.1928 ppm	0.0527 ppm	1.2860 ppm	0.0070 ppm	64.6634 ppm
Concentration per Run	0.0103 ppm	73.0045 ppm	0.1925 ppm	0.0523 ppm	1.2863 ppm	0.0070 ppm	64.5412 ppm
Concentration per Run	0.0100 ppm	73.2476 ppm	0.1943 ppm	0.0521 ppm	1.2881 ppm	0.0069 ppm	65.0047 ppm
Concentration per Run	0.0106 ppm	72.7945 ppm	0.1916 ppm	0.0535 ppm	1.2834 ppm	0.0069 ppm	64.4442 ppm
Concentration RSD	2.5 %	0.3 %	0.7 %	1.5 %	0.2 %	1.0 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0109 ppm	0.0844 ppm	0.2506 ppm	1.7344 ppm	240.3090 ppm	14.2206 ppm	0.1159 ppm
Concentration per Run	0.0110 ppm	0.0845 ppm	0.2509 ppm	1.7453 ppm	239.4013 ppm	14.1666 ppm	0.1173 ppm
Concentration per Run	0.0108 ppm	0.0840 ppm	0.2487 ppm	1.7383 ppm	240.4730 ppm	14.2176 ppm	0.1158 ppm
Concentration per Run	0.0110 ppm	0.0846 ppm	0.2523 ppm	1.7197 ppm	241.0527 ppm	14.2777 ppm	0.1145 ppm
Concentration RSD	1.2 %	0.4 %	0.7 %	0.8 %	0.3 %	0.4 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	31.5961 ppm	2.9530 ppm	0.0473 ppm	23.8420 ppm	0.2163 ppm	7.0741 ppm	0.0126 ppm
Concentration per Run	31.6187 ppm	2.9495 ppm	0.0474 ppm	23.8173 ppm	0.2171 ppm	7.0656 ppm	0.0135 ppm
Concentration per Run	31.4924 ppm	2.9590 ppm	0.0475 ppm	24.0059 ppm	0.2145 ppm	7.0511 ppm	0.0125 ppm
Concentration per Run	31.6771 ppm	2.9506 ppm	0.0472 ppm	23.7029 ppm	0.2172 ppm	7.1056 ppm	0.0117 ppm
Concentration RSD	0.3 %	0.2 %	0.3 %	0.6 %	0.7 %	0.4 %	7.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0190 ppm	9.5842 ppm	2.5128 [SIC 50]	0.5666 ppm	3.4048 ppm	0.0021 ppm	0.3617 ppm
Concentration per Run	0.0179 ppm	9.6618 ppm	2.5303 ppm	0.5682 ppm	3.4027 ppm	0.0019 ppm	0.3629 ppm
Concentration per Run	0.0214 ppm	9.5653 ppm	2.4700 ppm	0.5661 ppm	3.4043 ppm	0.0032 ppm	0.3609 ppm
Concentration per Run	0.0177 ppm	9.5257 ppm	2.5381 ppm	0.5654 ppm	3.4075 ppm	0.0013 ppm	0.3614 ppm
Concentration RSD	10.9 %	0.7 %	1.5 %	0.3 %	0.1 %	44.6 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	5.7300 ppm	101.9882 %	109.7010 %	88.3279 %	123.2972 %	124.5471 %
Concentration per Run	5.7409 ppm	102.2655 %	110.3215 %	88.4052 %	124.3067 %	124.1079 %
Concentration per Run	5.6360 ppm	101.6927 %	109.2997 %	88.6018 %	123.0957 %	124.6827 %
Concentration per Run	5.8131 ppm	102.0064 %	109.4819 %	87.9767 %	122.4891 %	124.8508 %
Concentration RSD	1.6 %	0.3 %	0.5 %	0.4 %	0.8 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555987-29D2 WG2113217

Analysis started at: 9/11/2025 11:39:16 AM

Rack 1

Vial 13

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0063 ppm	54.2928 ppm	0.0845 ppm	0.0383 ppm	1.3049 ppm	0.0050 ppm	121.3243 ppm
Concentration per Run	0.0062 ppm	53.9706 ppm	0.0829 ppm	0.0381 ppm	1.3032 ppm	0.0050 ppm	120.9583 ppm
Concentration per Run	0.0063 ppm	54.5218 ppm	0.0853 ppm	0.0381 ppm	1.3099 ppm	0.0051 ppm	122.5422 ppm
Concentration per Run	0.0063 ppm	54.3861 ppm	0.0854 ppm	0.0387 ppm	1.3015 ppm	0.0050 ppm	120.4725 ppm
Concentration RSD	0.8 %	0.5 %	1.7 %	0.8 %	0.3 %	1.1 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0029 ppm	0.0570 ppm	0.1679 ppm	4.5610 ppm	115.7441 ppm	12.3406 ppm	0.0804 ppm
Concentration per Run	0.0031 ppm	0.0570 ppm	0.1670 ppm	4.5635 ppm	115.5183 ppm	12.3343 ppm	0.0803 ppm
Concentration per Run	0.0027 ppm	0.0563 ppm	0.1686 ppm	4.5650 ppm	116.5537 ppm	12.3652 ppm	0.0803 ppm
Concentration per Run	0.0030 ppm	0.0577 ppm	0.1680 ppm	4.5544 ppm	115.1602 ppm	12.3222 ppm	0.0806 ppm
Concentration RSD	7.4 %	1.3 %	0.5 %	0.1 %	0.6 %	0.2 %	0.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	23.7580 ppm	3.1396 ppm	0.0186 ppm	10.4665 ppm	0.1462 ppm	3.1524 ppm	0.0082 ppm
Concentration per Run	23.5563 ppm	3.1267 ppm	0.0181 ppm	10.4180 ppm	0.1453 ppm	3.1682 ppm	0.0084 ppm
Concentration per Run	23.9182 ppm	3.1596 ppm	0.0192 ppm	10.5226 ppm	0.1470 ppm	3.1445 ppm	0.0089 ppm
Concentration per Run	23.7995 ppm	3.1325 ppm	0.0184 ppm	10.4590 ppm	0.1464 ppm	3.1445 ppm	0.0075 ppm
Concentration RSD	0.8 %	0.6 %	3.1 %	0.5 %	0.6 %	0.4 %	8.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0094 ppm	6.4055 ppm	0.5048 ppm	0.4869 ppm	2.9164 ppm	-0.0007 ppm	0.2369 ppm
Concentration per Run	0.0111 ppm	6.4609 ppm	0.4997 ppm	0.4866 ppm	2.9186 ppm	-0.0012 ppm	0.2364 ppm
Concentration per Run	0.0079 ppm	6.4047 ppm	0.5078 ppm	0.4878 ppm	2.9255 ppm	0.0004 ppm	0.2373 ppm
Concentration per Run	0.0093 ppm	6.3508 ppm	0.5069 ppm	0.4863 ppm	2.9052 ppm	-0.0013 ppm	0.2371 ppm
Concentration RSD	17.1 %	0.9 %	0.9 %	0.2 %	0.4 %	145.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.8652 ppm	99.4162 %	104.7997 %	88.1991 %	114.1511 %	120.2224 %	114.4943 %
Concentration per Run	1.8462 ppm	99.9774 %	105.3492 %	88.2513 %	114.2416 %	120.6900 %	114.6783 %
Concentration per Run	1.8858 ppm	99.1947 %	103.9815 %	87.9451 %	114.0417 %	119.9110 %	114.1549 %
Concentration per Run	1.8635 ppm	99.0764 %	105.0685 %	88.4009 %	114.1699 %	120.0663 %	114.6497 %
Concentration RSD	1.1 %	0.5 %	0.7 %	0.3 %	0.1 %	0.3 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: eL2556270-17D2 WG2113217

Analysis started at: 9/11/2025 11:42:39 AM

Rack 1

Vial 6

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0173 ppm	63.4566 ppm	0.1972 ppm	0.1168 ppm	7.3027 ppm	0.0054 ppm	143.9445 ppm
Concentration per Run	0.0173 ppm	63.4842 ppm	0.1979 ppm	0.1167 ppm	7.3549 ppm	0.0054 ppm	143.8179 ppm
Concentration per Run	0.0176 ppm	63.3809 ppm	0.1977 ppm	0.1162 ppm	7.3041 ppm	0.0053 ppm	142.9684 ppm
Concentration per Run	0.0170 ppm	63.5046 ppm	0.1959 ppm	0.1174 ppm	7.2491 ppm	0.0054 ppm	145.0473 ppm
Concentration RSD	1.8 %	0.1 %	0.6 %	0.5 %	0.7 %	0.8 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0759 ppm	0.0976 ppm	0.3987 ppm	6.8349 ppm	325.7663 [SIC 500]	8.5570 ppm	0.0968 ppm
Concentration per Run	0.0760 ppm	0.0984 ppm	0.4010 ppm	6.8615 ppm	325.0879 ppm	8.5862 ppm	0.0971 ppm
Concentration per Run	0.0762 ppm	0.0976 ppm	0.3994 ppm	6.8330 ppm	323.2926 ppm	8.5275 ppm	0.0959 ppm
Concentration per Run	0.0755 ppm	0.0968 ppm	0.3958 ppm	6.8101 ppm	328.9184 ppm	8.5574 ppm	0.0973 ppm
Concentration RSD	0.5 %	0.8 %	0.7 %	0.4 %	0.9 %	0.3 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	30.6638 ppm	2.9654 ppm	0.0250 ppm	6.8614 ppm	0.5811 ppm	28.3191 ppm	0.1263 ppm
Concentration per Run	30.7122 ppm	2.9621 ppm	0.0251 ppm	6.8461 ppm	0.5845 ppm	28.3991 ppm	0.1270 ppm
Concentration per Run	30.8159 ppm	2.9599 ppm	0.0249 ppm	6.8621 ppm	0.5791 ppm	28.3598 ppm	0.1247 ppm
Concentration per Run	30.4633 ppm	2.9743 ppm	0.0250 ppm	6.8760 ppm	0.5797 ppm	28.1983 ppm	0.1271 ppm
Concentration RSD	0.6 %	0.3 %	0.4 %	0.2 %	0.5 %	0.4 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0137 ppm	6.1043 ppm	1.8329 [SIC 50]	0.8789 ppm	2.3761 ppm	0.0002 ppm	0.3181 ppm
Concentration per Run	0.0123 ppm	6.1584 ppm	1.8402 ppm	0.8799 ppm	2.3886 ppm	0.0009 ppm	0.3189 ppm
Concentration per Run	0.0118 ppm	6.1152 ppm	1.8304 ppm	0.8744 ppm	2.3709 ppm	-0.0019 ppm	0.3189 ppm
Concentration per Run	0.0169 ppm	6.0395 ppm	1.8280 ppm	0.8824 ppm	2.3689 ppm	0.0015 ppm	0.3166 ppm
Concentration RSD	20.6 %	1.0 %	0.4 %	0.5 %	0.5 %	942.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	23.0803 [SIC 20]	98.1137 %	105.8244 %	83.3401 %	111.3481 %	120.2639 %	110.8043 %
Concentration per Run	23.1465 ppm	98.0170 %	106.2589 %	83.2764 %	111.0473 %	120.9315 %	110.7570 %
Concentration per Run	23.1424 ppm	98.1855 %	106.7361 %	83.2207 %	111.5064 %	120.3285 %	110.6888 %
Concentration per Run	22.9520 ppm	98.1385 %	104.4780 %	83.5231 %	111.4907 %	119.5317 %	110.9670 %
Concentration RSD	0.5 %	0.1 %	1.1 %	0.2 %	0.2 %	0.6 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2556270-17D4 WG2113217

Analysis started at: 9/11/2025 12:01:14 PM

Rack 1

Vial 6

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0090 ppm	32.2441 ppm	0.1041 ppm	0.0592 ppm	3.7509 ppm	0.0028 ppm	75.0168 ppm
Concentration per Run	0.0091 ppm	32.3217 ppm	0.1034 ppm	0.0597 ppm	3.7558 ppm	0.0028 ppm	75.1612 ppm
Concentration per Run	0.0090 ppm	32.2452 ppm	0.1037 ppm	0.0595 ppm	3.7485 ppm	0.0028 ppm	75.0957 ppm
Concentration per Run	0.0089 ppm	32.1655 ppm	0.1052 ppm	0.0585 ppm	3.7483 ppm	0.0027 ppm	74.7934 ppm
Concentration RSD	1.1 %	0.2 %	1.0 %	1.1 %	0.1 %	1.0 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0383 ppm	0.0500 ppm	0.1978 ppm	3.3917 ppm	179.3126 ppm	4.3515 ppm	0.0488 ppm
Concentration per Run	0.0382 ppm	0.0503 ppm	0.1986 ppm	3.3802 ppm	179.4182 ppm	4.3539 ppm	0.0499 ppm
Concentration per Run	0.0381 ppm	0.0500 ppm	0.1962 ppm	3.3936 ppm	179.6632 ppm	4.3605 ppm	0.0479 ppm
Concentration per Run	0.0384 ppm	0.0496 ppm	0.1987 ppm	3.4014 ppm	178.8564 ppm	4.3401 ppm	0.0486 ppm
Concentration RSD	0.3 %	0.7 %	0.7 %	0.3 %	0.2 %	0.2 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.9041 ppm	1.5401 ppm	0.0124 ppm	3.4726 ppm	0.2967 ppm	13.7675 ppm	0.0609 ppm
Concentration per Run	15.9872 ppm	1.5412 ppm	0.0121 ppm	3.4726 ppm	0.2976 ppm	13.8422 ppm	0.0653 ppm
Concentration per Run	15.8457 ppm	1.5435 ppm	0.0125 ppm	3.4710 ppm	0.2959 ppm	13.8031 ppm	0.0601 ppm
Concentration per Run	15.8793 ppm	1.5356 ppm	0.0125 ppm	3.4741 ppm	0.2966 ppm	13.6573 ppm	0.0575 ppm
Concentration RSD	0.5 %	0.3 %	1.8 %	0.0 %	0.3 %	0.7 %	6.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0061 ppm	3.1334 ppm	0.9413 ppm	0.4465 ppm	1.1861 ppm	-0.0001 ppm	0.1560 ppm
Concentration per Run	0.0064 ppm	3.1470 ppm	0.9444 ppm	0.4491 ppm	1.1895 ppm	0.0004 ppm	0.1559 ppm
Concentration per Run	0.0062 ppm	3.1193 ppm	0.9375 ppm	0.4457 ppm	1.1819 ppm	-0.0003 ppm	0.1556 ppm
Concentration per Run	0.0059 ppm	3.1338 ppm	0.9421 ppm	0.4447 ppm	1.1870 ppm	-0.0005 ppm	0.1563 ppm
Concentration RSD	4.6 %	0.4 %	0.4 %	0.5 %	0.3 %	429.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	12.5110 ppm	97.4335 %	103.3836 %	88.9565 %	103.0971 %	110.5639 %	104.0102 %
Concentration per Run	12.5864 ppm	97.4936 %	103.6154 %	88.8433 %	103.0013 %	110.2873 %	103.8165 %
Concentration per Run	12.4398 ppm	97.5046 %	102.7071 %	89.0420 %	102.9444 %	110.1825 %	104.0289 %
Concentration per Run	12.5068 ppm	97.3022 %	103.8285 %	88.9841 %	103.3455 %	111.2219 %	104.1853 %
Concentration RSD	0.6 %	0.1 %	0.6 %	0.1 %	0.2 %	0.5 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113217-3D4 WG2113217

Analysis started at: 9/11/2025 12:04:52 PM

Rack 1

Vial 7

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0342 ppm	34.7901 ppm	0.2353 ppm	0.5218 ppm	4.7236 ppm	0.0278 ppm	85.0342 ppm
Concentration per Run	0.0343 ppm	34.9305 ppm	0.2346 ppm	0.5222 ppm	4.7586 ppm	0.0280 ppm	85.3733 ppm
Concentration per Run	0.0343 ppm	34.7864 ppm	0.2347 ppm	0.5195 ppm	4.7129 ppm	0.0278 ppm	84.9791 ppm
Concentration per Run	0.0341 ppm	34.6536 ppm	0.2367 ppm	0.5236 ppm	4.6995 ppm	0.0277 ppm	84.7503 ppm
Concentration RSD	0.3 %	0.4 %	0.5 %	0.4 %	0.7 %	0.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0707 ppm	0.3033 ppm	0.2914 ppm	3.6408 ppm	182.3177 ppm	8.8490 ppm	0.0484 ppm
Concentration per Run	0.0714 ppm	0.3025 ppm	0.2916 ppm	3.6321 ppm	183.8455 ppm	8.9235 ppm	0.0495 ppm
Concentration per Run	0.0704 ppm	0.3033 ppm	0.2920 ppm	3.6382 ppm	182.1686 ppm	8.8157 ppm	0.0481 ppm
Concentration per Run	0.0703 ppm	0.3040 ppm	0.2907 ppm	3.6523 ppm	180.9389 ppm	8.8078 ppm	0.0477 ppm
Concentration RSD	0.8 %	0.2 %	0.2 %	0.3 %	0.8 %	0.7 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.8196 ppm	1.7187 ppm	0.4940 ppm	8.8866 ppm	0.6221 ppm	27.9580 ppm	0.9757 ppm
Concentration per Run	20.8399 ppm	1.7265 ppm	0.4950 ppm	8.7986 ppm	0.6222 ppm	27.9796 ppm	0.9734 ppm
Concentration per Run	20.8002 ppm	1.7185 ppm	0.4905 ppm	8.9889 ppm	0.6223 ppm	28.0466 ppm	0.9744 ppm
Concentration per Run	20.8186 ppm	1.7131 ppm	0.4966 ppm	8.8924 ppm	0.6218 ppm	27.8477 ppm	0.9793 ppm
Concentration RSD	0.1 %	0.4 %	0.6 %	1.0 %	0.0 %	0.4 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0556 ppm	4.9104 ppm	0.9527 ppm	0.9561 ppm	1.5573 ppm	0.0549 ppm	0.3875 ppm
Concentration per Run	0.0555 ppm	4.8896 ppm	0.9561 ppm	0.9561 ppm	1.5576 ppm	0.0551 ppm	0.3877 ppm
Concentration per Run	0.0559 ppm	4.9508 ppm	0.9546 ppm	0.9546 ppm	1.5603 ppm	0.0547 ppm	0.3878 ppm
Concentration per Run	0.0553 ppm	4.8908 ppm	0.9474 ppm	0.9474 ppm	1.5541 ppm	0.0549 ppm	0.3871 ppm
Concentration RSD	0.5 %	0.7 %	0.2 %	0.5 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	11.7837 ppm	97.7400 ppm	103.6200 ppm	87.1390 ppm	104.4101 ppm	110.3526 ppm	103.8971 ppm
Concentration per Run	11.8739 ppm	97.7053 ppm	102.3548 ppm	87.1701 ppm	104.0198 ppm	108.9575 ppm	103.9685 ppm
Concentration per Run	11.7302 ppm	97.6865 ppm	103.9573 ppm	86.7452 ppm	104.4971 ppm	110.8034 ppm	103.5198 ppm
Concentration per Run	11.7470 ppm	97.8282 ppm	104.5478 ppm	87.5017 ppm	104.7134 ppm	111.2967 ppm	104.2029 ppm
Concentration RSD	0.7 %	0.1 %	1.1 %	0.4 %	0.3 %	1.1 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113217-4D4 WG2113217

Analysis started at: 9/11/2025 12:08:17 PM

Rack 1

Vial 8

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0320 ppm	33.1451 ppm	0.1410 ppm	0.5180 ppm	4.6349 ppm	0.0277 ppm	301.7125 ppm
Concentration per Run	0.0317 ppm	32.8091 ppm	0.1397 ppm	0.5174 ppm	4.5747 ppm	0.0274 ppm	300.3668 ppm
Concentration per Run	0.0322 ppm	33.1550 ppm	0.1417 ppm	0.5163 ppm	4.6231 ppm	0.0276 ppm	300.4327 ppm
Concentration per Run	0.0321 ppm	33.4713 ppm	0.1415 ppm	0.5203 ppm	4.7070 ppm	0.0280 ppm	304.3381 ppm
Concentration RSD	0.8 %	1.0 %	0.8 %	0.4 %	1.4 %	1.0 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0676 ppm	0.2884 ppm	0.2604 ppm	3.0437 ppm	153.4593 ppm	8.7958 ppm	0.0452 ppm
Concentration per Run	0.0672 ppm	0.2880 ppm	0.2600 ppm	3.0473 ppm	152.9266 ppm	8.7086 ppm	0.0440 ppm
Concentration per Run	0.0681 ppm	0.2886 ppm	0.2613 ppm	3.0355 ppm	152.4556 ppm	8.7412 ppm	0.0481 ppm
Concentration per Run	0.0674 ppm	0.2887 ppm	0.2598 ppm	3.0483 ppm	154.9956 ppm	8.9376 ppm	0.0435 ppm
Concentration RSD	0.7 %	0.1 %	0.3 %	0.2 %	0.9 %	1.4 %	5.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.0161 ppm	2.5338 ppm	0.4895 ppm	8.9176 ppm	0.4751 ppm	12.5454 ppm	0.1771 ppm
Concentration per Run	21.9342 ppm	2.5222 ppm	0.4887 ppm	8.8389 ppm	0.4730 ppm	12.5770 ppm	0.1783 ppm
Concentration per Run	22.0636 ppm	2.5251 ppm	0.4911 ppm	8.9193 ppm	0.4774 ppm	12.5320 ppm	0.1745 ppm
Concentration per Run	22.0504 ppm	2.5540 ppm	0.4886 ppm	8.9946 ppm	0.4749 ppm	12.5271 ppm	0.1785 ppm
Concentration RSD	0.3 %	0.7 %	0.3 %	0.9 %	0.5 %	0.2 %	1.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0544 ppm	4.9210 ppm	1.3805 [SIC 50]	1.1363 ppm	1.5376 ppm	0.0520 ppm	0.3804 ppm
Concentration per Run	0.0539 ppm	4.9425 ppm	1.3773 ppm	1.1287 ppm	1.5366 ppm	0.0536 ppm	0.3805 ppm
Concentration per Run	0.0545 ppm	4.9056 ppm	1.3862 ppm	1.1353 ppm	1.5405 ppm	0.0519 ppm	0.3813 ppm
Concentration per Run	0.0548 ppm	4.9149 ppm	1.3780 ppm	1.1448 ppm	1.5358 ppm	0.0505 ppm	0.3796 ppm
Concentration RSD	0.9 %	0.4 %	0.4 %	0.7 %	0.2 %	3.0 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	11.9170 ppm	96.0494 %	101.2753 %	84.0744 %	104.2804 %	110.2834 %	103.5406 %
Concentration per Run	11.8745 ppm	96.1273 %	101.4666 %	84.1363 %	104.2777 %	109.2053 %	103.8579 %
Concentration per Run	11.9678 ppm	96.2321 %	102.0395 %	84.1194 %	104.4413 %	111.6575 %	103.4170 %
Concentration per Run	11.9088 ppm	95.7888 %	100.3198 %	83.9675 %	104.1222 %	109.9875 %	103.3468 %
Concentration RSD	0.4 %	0.2 %	0.9 %	0.1 %	0.2 %	1.1 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113217-5D4 WG2113217

Analysis started at: 9/11/2025 12:11:43 PM

Rack 1

Vial 9

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0538 ppm	33.1290 ppm	0.2049 ppm	0.9548 ppm	5.4200 ppm	0.0489 ppm	81.4185 ppm
Concentration per Run	0.0541 ppm	33.0950 ppm	0.2032 ppm	0.9550 ppm	5.4011 ppm	0.0487 ppm	81.2871 ppm
Concentration per Run	0.0541 ppm	33.0334 ppm	0.2063 ppm	0.9543 ppm	5.4284 ppm	0.0489 ppm	81.2003 ppm
Concentration per Run	0.0531 ppm	33.2586 ppm	0.2052 ppm	0.9550 ppm	5.4305 ppm	0.0490 ppm	81.7682 ppm
Concentration RSD	1.0 %	0.4 %	0.8 %	0.0 %	0.3 %	0.4 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0841 ppm	0.4824 ppm	0.3722 ppm	3.4819 ppm	174.2556 ppm	13.8433 ppm	0.0465 ppm
Concentration per Run	0.0843 ppm	0.4821 ppm	0.3737 ppm	3.4808 ppm	173.3358 ppm	13.7558 ppm	0.0473 ppm
Concentration per Run	0.0840 ppm	0.4844 ppm	0.3726 ppm	3.5027 ppm	174.0495 ppm	13.9352 ppm	0.0457 ppm
Concentration per Run	0.0841 ppm	0.4805 ppm	0.3705 ppm	3.4622 ppm	175.3816 ppm	13.8389 ppm	0.0464 ppm
Concentration RSD	0.2 %	0.4 %	0.4 %	0.6 %	0.6 %	0.6 %	1.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	24.1560 ppm	1.9365 ppm	0.9201 ppm	13.0750 ppm	0.7315 ppm	14.1356 ppm	0.4443 ppm
Concentration per Run	24.2359 ppm	1.9315 ppm	0.9214 ppm	13.0667 ppm	0.7351 ppm	14.0065 ppm	0.4415 ppm
Concentration per Run	24.1061 ppm	1.9388 ppm	0.9169 ppm	13.0435 ppm	0.7321 ppm	14.1894 ppm	0.4433 ppm
Concentration per Run	24.1261 ppm	1.9412 ppm	0.9219 ppm	13.1149 ppm	0.7272 ppm	14.2108 ppm	0.4481 ppm
Concentration RSD	0.3 %	0.2 %	0.3 %	0.3 %	0.5 %	0.8 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1211 ppm	3.6231 ppm	1.7917 [SIC 50]	1.3491 ppm	2.0456 ppm	0.1114 ppm	0.6176 ppm
Concentration per Run	0.1223 ppm	3.6232 ppm	1.8081 ppm	1.3485 ppm	2.0535 ppm	0.1108 ppm	0.6191 ppm
Concentration per Run	0.1204 ppm	3.6471 ppm	1.7937 ppm	1.3466 ppm	2.0475 ppm	0.1125 ppm	0.6180 ppm
Concentration per Run	0.1207 ppm	3.5989 ppm	1.7733 ppm	1.3523 ppm	2.0359 ppm	0.1109 ppm	0.6157 ppm
Concentration RSD	0.8 %	0.7 %	1.0 %	0.2 %	0.4 %	0.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	12.3397 ppm	98.2618 ppm	103.8110 ppm	86.8633 ppm	104.6891 ppm	110.2766 ppm	103.9939 ppm
Concentration per Run	12.4773 ppm	98.2814 ppm	104.6339 ppm	86.6853 ppm	104.4760 ppm	111.9404 ppm	103.8285 ppm
Concentration per Run	12.3017 ppm	98.2593 ppm	103.5342 ppm	87.0252 ppm	105.2975 ppm	109.1691 ppm	104.2982 ppm
Concentration per Run	12.2401 ppm	98.2447 ppm	103.2647 ppm	86.8793 ppm	104.2936 ppm	109.7202 ppm	103.8549 ppm
Concentration RSD	1.0 %	0.0 %	0.7 %	0.2 %	0.5 %	1.3 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/11/2025 12:15:09 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4786 ppm	0.4779 ppm		0.4793 ppm	0.4828 ppm	0.4969 ppm	0.5031 ppm
Concentration per Run	0.4791 ppm	0.4780 ppm	0.4740 ppm	0.4794 ppm	0.4854 ppm	0.4943 ppm	0.4985 ppm
Concentration per Run	0.4782 ppm	0.4805 ppm	0.4746 ppm	0.4794 ppm	0.4833 ppm	0.4978 ppm	0.5025 ppm
Concentration per Run	0.4787 ppm	0.4753 ppm	0.4746 ppm	0.4802 ppm	0.4798 ppm	0.4988 ppm	0.5084 ppm
Recovery Percentage	95.727 %	95.583 %	94.806 %	95.861 %	96.567 %	99.390 %	100.626 %
Concentration RSD	0.1 %	0.5 %	0.2 %	0.2 %	0.6 %	0.5 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4937 ppm	0.4924 ppm	0.4932 ppm	0.4953 ppm	0.5137 ppm	5.0310 ppm	0.5129 ppm
Concentration per Run	0.4945 ppm	0.4938 ppm	0.4940 ppm	0.4963 ppm	0.5136 ppm	5.0460 ppm	0.5114 ppm
Concentration per Run	0.4923 ppm	0.4910 ppm	0.4931 ppm	0.4934 ppm	0.5125 ppm	5.0320 ppm	0.5100 ppm
Concentration per Run	0.4941 ppm	0.4924 ppm	0.4962 ppm	0.4962 ppm	0.5149 ppm	5.0150 ppm	0.5172 ppm
Recovery Percentage	98.731 %	98.482 %	98.632 %	99.059 %	102.737 %	100.620 %	102.574 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.3 %	0.2 %	0.3 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4977 ppm	0.5016 ppm	0.4906 ppm	10.0925 ppm	0.4880 ppm	0.4821 ppm	0.5341 ppm
Concentration per Run	0.5000 ppm	0.4978 ppm	0.4882 ppm	10.0515 ppm	0.4974 ppm	0.4806 ppm	0.5371 ppm
Concentration per Run	0.4948 ppm	0.5031 ppm	0.4916 ppm	10.0989 ppm	0.4981 ppm	0.4824 ppm	0.5345 ppm
Concentration per Run	0.4983 ppm	0.5041 ppm	0.4921 ppm	10.1271 ppm	0.4985 ppm	0.4834 ppm	0.5306 ppm
Recovery Percentage	99.540 %	100.328 %	98.123 %	100.925 %	99.603 %	96.424 %	106.817 %
Concentration RSD	0.5 %	0.7 %	0.4 %	0.4 %	0.1 %	0.3 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4651 ppm	5.2539 ppm	0.5016 ppm	0.5023 ppm	0.4867 ppm	0.4937 ppm	0.4966 ppm
Concentration per Run	0.4634 ppm	5.2384 ppm	0.4984 ppm	0.5027 ppm	0.4856 ppm	0.4941 ppm	0.4975 ppm
Concentration per Run	0.4654 ppm	5.2575 ppm	0.5039 ppm	0.5036 ppm	0.4895 ppm	0.4910 ppm	0.4956 ppm
Concentration per Run	0.4664 ppm	5.2657 ppm	0.5024 ppm	0.5005 ppm	0.4850 ppm	0.4960 ppm	0.4966 ppm
Recovery Percentage	93.010 %	100.074 %	100.313 %	100.457 %	97.335 %	98.743 %	99.313 %
Concentration RSD	0.3 %	0.3 %	0.6 %	0.3 %	0.5 %	0.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4911 ppm	102.4079 %	103.5666 %	99.2093 %	102.2409 %	103.1471 %	101.8383 %
Concentration per Run	0.4915 ppm	102.2520 %	104.9143 %	98.9653 %	102.1309 %	103.1419 %	101.4824 %
Concentration per Run	0.4908 ppm	102.9236 %	103.0246 %	98.8543 %	102.5486 %	102.7881 %	101.6141 %
Concentration per Run	0.4909 ppm	102.0480 %	102.7609 %	99.8084 %	102.0433 %	103.5115 %	102.4183 %
Recovery Percentage	98.216 %						
Concentration RSD	0.1 %	0.4 %	1.1 %	0.5 %	0.3 %	0.4 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 12:18:34 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0075 ppm
Concentration per Run	-0.0001 ppm	0.0028 ppm	0.0003 ppm	-0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0089 ppm
Concentration per Run	-0.0002 ppm	-0.0035 ppm	0.0014 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0061 ppm
Concentration per Run	-0.0002 ppm	0.0022 ppm	-0.0013 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0073 ppm
Recovery Percentage	-3.477 %	0.488 %	2.866 %	-0.774 %	1.944 %	1.335 %	7.453 %
Concentration RSD	21.5 %	711.5 %	927.0 %	102.3 %	42.1 %	44.7 %	18.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	-0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0088 ppm	0.0249 ppm	0.0001 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0002 ppm	0.0084 ppm	0.0256 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	-0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0079 ppm	0.0283 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0100 ppm	0.0209 ppm	-0.0006 ppm
Recovery Percentage	4.174 %	-2.061 %	2.775 %	0.534 %	17.517 %	0.997 %	0.954 %
Concentration RSD	28.8 %	108.5 %	94.7 %	392.9 %	12.6 %	15.2 %	840.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0005 ppm	0.0002 ppm	0.0001 ppm	0.0076 ppm	0.0001 ppm	0.0007 ppm	0.0065 ppm
Concentration per Run	0.0015 ppm	0.0001 ppm	0.0047 ppm	0.0076 ppm	-0.0001 ppm	0.0006 ppm	0.0080 ppm
Concentration per Run	0.0008 ppm	0.0002 ppm	0.0048 ppm	0.0070 ppm	0.0001 ppm	0.0047 ppm	0.0047 ppm
Concentration per Run	-0.0006 ppm	0.0001 ppm	0.0049 ppm	0.0081 ppm	0.0002 ppm	0.0008 ppm	0.0067 ppm
Recovery Percentage	0.540 %	1.543 %	9.558 %	0.379 %	0.343 %	7.194 %	12.967 %
Concentration RSD	198.9 %	34.9 %	1.9 %	7.3 %	156.1 %	15.2 %	26.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0024 ppm	0.0128 ppm	0.0018 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	0.0033 ppm	0.0137 ppm	0.0018 ppm	0.0002 ppm	0.0005 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run	0.0018 ppm	0.0129 ppm	0.0016 ppm	0.0002 ppm	0.0008 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	0.0021 ppm	0.0118 ppm	0.0020 ppm	0.0002 ppm	0.0008 ppm	-0.0005 ppm	0.0001 ppm
Recovery Percentage	23.653 %	2.558 %	3.642 %	2.021 %	7.184 %	0.032 %	1.165 %
Concentration RSD	34.6 %	7.6 %	11.0 %	17.7 %	21.2 %	7.544.3 %	61.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	101.0736 %	101.2214 %	100.5468 %	102.8788 %	102.0007 %	101.7664 %
Concentration per Run	0.0008 ppm	100.7975 %	102.3541 %	100.7330 %	102.4660 %	101.3713 %	101.8014 %
Concentration per Run	0.0008 ppm	100.8504 %	100.8504 %	100.8543 %	102.8732 %	101.7728 %	102.2127 %
Concentration per Run	0.0008 ppm	101.5728 %	100.8469 %	100.0533 %	103.2973 %	102.8578 %	101.2850 %
Recovery Percentage	16.236 %	0.4 %	1.0 %	0.4 %	0.4 %	0.8 %	0.5 %
Concentration RSD	2.2 %						

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113019-1 WG2113019
Analysis started at: 9/11/2025 12:29:31 PM
Rack 1
Vial 14
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0042 ppm	-0.0015 ppm	-0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run	-0.0002 ppm	-0.0084 ppm	-0.0021 ppm	-0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0071 ppm
Concentration per Run	-0.0004 ppm	0.0007 ppm	-0.0021 ppm	-0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0092 ppm
Concentration per Run	-0.0005 ppm	-0.0050 ppm	-0.0003 ppm	-0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0077 ppm
Recovery Percentage	-6.940 %	-4.236 %	-29.636 %	-4.276 %	1.358 %	0.691 %	8.028 %
Concentration RSD	54.5 %	108.0 %	71.3 %	44.4 %	9.4 %	39.5 %	13.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0045 ppm	0.0200 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0042 ppm	0.0160 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0045 ppm	0.0232 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0047 ppm	0.0207 ppm	-0.0001 ppm
Recovery Percentage	1.095 %	-1.804 %	-0.342 %	1.654 %	8.937 %	0.798 %	-1.933 %
Concentration RSD	31.6 %	117.3 %	112.6 %	102.6 %	5.3 %	18.4 %	53.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0017 ppm	0.0002 ppm	0.0003 ppm	0.0057 ppm	0.0000 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	0.0021 ppm	0.0003 ppm	0.0006 ppm	0.0043 ppm	0.0001 ppm	0.0009 ppm	0.0023 ppm
Concentration per Run	0.0017 ppm	0.0003 ppm	0.0006 ppm	0.0074 ppm	-0.0003 ppm	0.0009 ppm	-0.0008 ppm
Concentration per Run	0.0014 ppm	0.0002 ppm	0.0003 ppm	0.0055 ppm	0.0003 ppm	0.0006 ppm	0.0002 ppm
Recovery Percentage	1.743 %	2.386 %	1.063 %	0.286 %	0.093 %	7.909 %	1.159 %
Concentration RSD	19.1 %	29.3 %	38.1 %	27.4 %	1.304 9 %	25.3 %	270.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	0.0097 ppm	-0.0005 ppm	0.0001 ppm	0.0003 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0013 ppm	0.0096 ppm	-0.0009 ppm	0.0001 ppm	0.0004 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0109 ppm	-0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0086 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	-0.0001 ppm
Recovery Percentage	3.854 %	1.938 %	-0.902 %	0.579 %	2.543 %	2.649 %	-0.538 %
Concentration RSD	198.3 %	11.6 %	91.3 %	61.1 %	47.9 %	119.3 %	141.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0009 ppm	100.5767 %	103.1628 %	101.4483 %	101.7894 %	105.1342 %	101.3446 %
Concentration per Run	0.0010 ppm	100.4297 %	104.4161 %	101.4861 %	101.7640 %	106.6776 %	101.3928 %
Concentration per Run	0.0010 ppm	101.0589 %	102.8625 %	101.1751 %	102.1939 %	104.6787 %	101.1039 %
Concentration per Run	0.0008 ppm	100.2417 %	102.2096 %	101.6835 %	101.4104 %	104.0463 %	101.5372 %
Recovery Percentage	18.619 %						
Concentration RSD	8.2 %	0.4 %	1.1 %	0.3 %	0.4 %	1.3 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113019-2 WG2113019

Analysis started at: 9/11/2025 12:33:07 PM

Rack 1

Vial 15

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0499 ppm	2.0225 ppm	0.1170 ppm	0.9502 ppm	1.9493 ppm	0.0500 ppm	9.8755 ppm
Concentration per Run	0.0500 ppm	2.0343 ppm	0.1163 ppm	0.9558 ppm	1.9548 ppm	0.0502 ppm	9.9038 ppm
Concentration per Run	0.0501 ppm	2.0167 ppm	0.1172 ppm	0.9509 ppm	1.9516 ppm	0.0499 ppm	9.8301 ppm
Concentration per Run	0.0495 ppm	2.0165 ppm	0.1174 ppm	0.9438 ppm	1.9416 ppm	0.0500 ppm	9.8925 ppm
Concentration RSD	0.7 %	0.5 %	0.5 %	0.6 %	0.4 %	0.3 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0523 ppm	0.4888 ppm	0.1967 ppm	0.2483 ppm	0.9904 ppm	10.0539 ppm	-0.0002 ppm
Concentration per Run	0.0529 ppm	0.4918 ppm	0.1989 ppm	0.2490 ppm	0.9944 ppm	10.0987 ppm	0.0000 ppm
Concentration per Run	0.0522 ppm	0.4905 ppm	0.1956 ppm	0.2485 ppm	0.9886 ppm	10.0550 ppm	0.0006 ppm
Concentration per Run	0.0518 ppm	0.4840 ppm	0.1956 ppm	0.2475 ppm	0.9882 ppm	10.0080 ppm	-0.0012 ppm
Concentration RSD	1.0 %	0.9 %	1.0 %	0.3 %	0.3 %	0.5 %	463.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.9359 ppm	0.4996 ppm	0.9228 ppm	10.2670 ppm	0.5007 ppm	0.5158 ppm	0.3815 ppm
Concentration per Run	10.0011 ppm	0.5008 ppm	0.9269 ppm	10.2455 ppm	0.5061 ppm	0.5162 ppm	0.3851 ppm
Concentration per Run	9.9554 ppm	0.4991 ppm	0.9205 ppm	10.2759 ppm	0.5006 ppm	0.5172 ppm	0.3827 ppm
Concentration per Run	9.8513 ppm	0.4989 ppm	0.9210 ppm	10.2798 ppm	0.4954 ppm	0.5140 ppm	0.3765 ppm
Concentration RSD	0.8 %	0.2 %	0.4 %	0.2 %	1.1 %	0.3 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1135 ppm	0.8988 ppm	0.9159 ppm	0.9722 ppm	0.9608 ppm	0.1188 ppm	0.5073 ppm
Concentration per Run	0.1129 ppm	0.9040 ppm	0.9291 ppm	0.9721 ppm	0.9642 ppm	0.1195 ppm	0.5088 ppm
Concentration per Run	0.1130 ppm	0.9007 ppm	0.9128 ppm	0.9714 ppm	0.9611 ppm	0.1183 ppm	0.5079 ppm
Concentration per Run	0.1145 ppm	0.8916 ppm	0.9059 ppm	0.9730 ppm	0.9570 ppm	0.1185 ppm	0.5052 ppm
Concentration RSD	0.8 %	0.7 %	1.3 %	0.1 %	0.4 %	0.6 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4958 ppm	101.5780 ppm	104.1930 ppm	97.5973 ppm	101.4886 ppm	103.6535 ppm	101.6538 ppm
Concentration per Run	0.5023 ppm	101.2400 ppm	103.7652 ppm	97.1987 ppm	101.2183 ppm	103.1805 ppm	101.6029 ppm
Concentration per Run	0.4932 ppm	101.4158 ppm	105.0089 ppm	97.8792 ppm	101.4705 ppm	104.0736 ppm	101.8704 ppm
Concentration per Run	0.4918 ppm	102.0782 ppm	103.8048 ppm	97.7140 ppm	101.7770 ppm	103.7064 ppm	101.4881 ppm
Concentration RSD	1.2 %	0.4 %	0.7 %	0.4 %	0.3 %	0.4 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554381-01 WG2113019

Analysis started at: 9/11/2025 12:36:30 PM

Rack 1

Vial 21

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0007 ppm	0.0833 ppm	-0.0011 ppm	0.0582 ppm	0.2382 ppm	0.0001 ppm	63.9281 ppm
Concentration per Run	0.0006 ppm	0.0857 ppm	-0.0023 ppm	0.0579 ppm	0.0000 ppm	0.0000 ppm	63.5706 ppm
Concentration per Run	0.0008 ppm	0.0811 ppm	-0.0002 ppm	0.0582 ppm	0.2377 ppm	0.0001 ppm	63.9582 ppm
Concentration per Run	0.0005 ppm	0.0831 ppm	-0.0007 ppm	0.0584 ppm	0.2390 ppm	0.0001 ppm	64.2555 ppm
Concentration RSD	23.8 %	2.8 %	103.2 %	0.4 %	0.3 %	32.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0009 ppm	0.0008 ppm	0.0133 ppm	1.8360 ppm	8.7896 ppm	0.0006 ppm
Concentration per Run	-0.0005 ppm	0.0008 ppm	0.0009 ppm	0.0133 ppm	1.8283 ppm	8.7763 ppm	0.0016 ppm
Concentration per Run	-0.0006 ppm	0.0009 ppm	0.0011 ppm	0.0130 ppm	1.8295 ppm	8.7428 ppm	0.0001 ppm
Concentration per Run	-0.0006 ppm	0.0011 ppm	0.0005 ppm	0.0136 ppm	1.8501 ppm	8.8496 ppm	0.0002 ppm
Concentration RSD	15.3 %	15.1 %	34.2 %	2.3 %	0.7 %	0.6 %	137.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	7.4409 ppm	0.0255 ppm	0.0154 ppm	330.2446 ppm	0.0009 ppm	0.1007 ppm	0.0114 ppm
Concentration per Run	7.4793 ppm	0.0253 ppm	0.0155 ppm	330.3641 ppm	0.0008 ppm	0.1011 ppm	0.0113 ppm
Concentration per Run	7.4271 ppm	0.0253 ppm	0.0157 ppm	329.1448 ppm	0.0007 ppm	0.1009 ppm	0.0109 ppm
Concentration per Run	7.4162 ppm	0.0259 ppm	0.0149 ppm	331.2248 ppm	0.0011 ppm	0.1000 ppm	0.0119 ppm
Concentration RSD	0.5 %	1.3 %	2.5 %	0.3 %	26.1 %	0.6 %	4.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	4.8574 ppm	0.0111 ppm	0.4091 ppm	0.0052 ppm	0.0009 ppm	0.0014 ppm
Concentration per Run	0.0041 ppm	4.8538 ppm	0.0108 ppm	0.4091 ppm	0.0052 ppm	0.0004 ppm	0.0015 ppm
Concentration per Run	0.0021 ppm	4.8526 ppm	0.0111 ppm	0.4076 ppm	0.0050 ppm	0.0016 ppm	0.0014 ppm
Concentration per Run	0.0023 ppm	4.8658 ppm	0.0115 ppm	0.4106 ppm	0.0054 ppm	0.0008 ppm	0.0013 ppm
Concentration RSD	39.1 %	0.2 %	3.1 %	0.4 %	3.6 %	65.6 %	10.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1890 ppm	93.7742 %	101.4803 %	87.2371 %	93.3761 %	100.7711 %	94.1254 %
Concentration per Run	0.1905 ppm	93.4280 %	102.1390 %	87.2012 %	93.0181 %	101.7030 %	93.8507 %
Concentration per Run	0.1900 ppm	94.2985 %	101.3085 %	87.1951 %	93.7744 %	100.1910 %	94.2390 %
Concentration per Run	0.1866 ppm	93.5963 %	100.9934 %	87.3149 %	93.3357 %	100.4193 %	94.2863 %
Concentration RSD	1.1 %	0.5 %	0.6 %	0.1 %	0.4 %	0.8 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2556592-08 WG2113019

Analysis started at: 9/11/2025 12:39:56 PM

Rack 1

Vial 22

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0021 ppm	-0.0005 ppm	-0.0009 ppm	0.0002 ppm	0.0000 ppm	0.1107 ppm
Concentration per Run	-0.0004 ppm	0.0000 ppm	-0.0003 ppm	-0.0011 ppm	0.0002 ppm	0.0000 ppm	0.1107 ppm
Concentration per Run	-0.0007 ppm	-0.0046 ppm	-0.0006 ppm	-0.0012 ppm	0.0002 ppm	0.0000 ppm	0.1121 ppm
Concentration per Run	-0.0002 ppm	-0.0016 ppm	-0.0005 ppm	-0.0004 ppm	0.0003 ppm	0.0000 ppm	0.1092 ppm
Concentration RSD	61.5 %	112.5 %	36.0 %	51.5 %	32.5 %	32.8 %	1.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0002 ppm	0.0038 ppm	0.0711 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0003 ppm	0.0029 ppm	0.0729 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0049 ppm	0.0687 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0036 ppm	0.0718 ppm	-0.0009 ppm
Concentration RSD	132.3 %	100.1 %	54.1 %	77.5 %	26.1 %	3.0 %	581.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0046 ppm	0.0001 ppm	0.0023 ppm	0.1117 ppm	0.0001 ppm	0.0005 ppm	0.0044 ppm
Concentration per Run	0.0060 ppm	0.0002 ppm	0.0020 ppm	0.1165 ppm	0.0002 ppm	0.0008 ppm	0.0037 ppm
Concentration per Run	0.0038 ppm	0.0001 ppm	0.0022 ppm	0.1095 ppm	-0.0001 ppm	0.0009 ppm	0.0063 ppm
Concentration per Run	0.0040 ppm	0.0000 ppm	0.0026 ppm	0.1089 ppm	0.0003 ppm	-0.0001 ppm	0.0034 ppm
Concentration RSD	25.8 %	92.2 %	13.0 %	3.8 %	145.7 %	103.8 %	36.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	0.0103 ppm	0.0030 ppm	0.0003 ppm	0.0004 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0016 ppm	0.0093 ppm	0.0026 ppm	0.0004 ppm	0.0003 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	-0.0013 ppm	0.0101 ppm	0.0030 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm	-0.0000 ppm
Concentration per Run	-0.0019 ppm	0.0115 ppm	0.0034 ppm	0.0003 ppm	0.0005 ppm	0.0003 ppm	-0.0003 ppm
Concentration RSD	349.2 %	11.1 %	14.2 %	16.1 %	30.7 %	97.8 %	167.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0057 ppm	103.6622 %	105.1119 %	102.8978 %	105.3508 %	105.8051 %	104.3384 %
Concentration per Run	0.0059 ppm	103.3998 %	105.3685 %	103.2862 %	104.9300 %	106.3112 %	104.5314 %
Concentration per Run	0.0055 ppm	104.3043 %	105.6099 %	103.2230 %	106.0122 %	105.9192 %	104.6768 %
Concentration per Run	0.0059 ppm	103.2826 %	104.3573 %	102.1843 %	105.1101 %	105.1851 %	103.8071 %
Concentration RSD	4.2 %	0.5 %	0.6 %	0.6 %	0.6 %	0.5 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2556222-01 WG2113019

Analysis started at: 9/11/2025 12:43:22 PM

Rack 1

Vial 16

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.0035 ppm	0.0003 ppm	0.0609 ppm	0.0595 ppm	0.0000 ppm	186.5108 ppm
Concentration per Run	-0.0007 ppm	0.0038 ppm	0.0003 ppm	0.0604 ppm	0.0594 ppm	0.0000 ppm	187.0545 ppm
Concentration per Run	-0.0007 ppm	0.0027 ppm	-0.0003 ppm	0.0615 ppm	0.0595 ppm	0.0000 ppm	186.6152 ppm
Concentration per Run	-0.0005 ppm	0.0039 ppm	0.0008 ppm	0.0608 ppm	0.0596 ppm	0.0001 ppm	185.8628 ppm
Concentration RSD	18.7 %	18.3 %	202.3 %	0.9 %	0.2 %	15.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0015 ppm	0.0024 ppm	-0.0002 ppm	0.0026 ppm	1.4076 ppm	2.7327 ppm	0.0085 ppm
Concentration per Run	-0.0014 ppm	0.0026 ppm	-0.0005 ppm	0.0024 ppm	1.4113 ppm	2.7295 ppm	0.0098 ppm
Concentration per Run	-0.0014 ppm	0.0022 ppm	0.0000 ppm	0.0029 ppm	1.4119 ppm	2.7388 ppm	0.0080 ppm
Concentration per Run	-0.0015 ppm	0.0025 ppm	0.0000 ppm	0.0026 ppm	1.3996 ppm	2.7298 ppm	0.0077 ppm
Concentration RSD	2.6 %	8.0 %	167.1 %	9.5 %	0.5 %	0.2 %	13.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	27.7892 ppm	5.2481 ppm	0.0025 ppm	155.9631 ppm	0.0028 ppm	0.0000 ppm	0.0034 ppm
Concentration per Run	28.1421 ppm	5.2425 ppm	0.0023 ppm	156.4925 ppm	0.0032 ppm	-0.0002 ppm	0.0028 ppm
Concentration per Run	27.5961 ppm	5.2670 ppm	0.0026 ppm	155.7401 ppm	0.0022 ppm	-0.0003 ppm	0.0017 ppm
Concentration per Run	27.6294 ppm	5.2349 ppm	0.0026 ppm	155.6567 ppm	0.0029 ppm	0.0005 ppm	0.0058 ppm
Concentration RSD	1.1 %	0.3 %	5.7 %	0.3 %	18.2 %	4.968.9 %	61.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0011 ppm	10.1549 ppm	0.0009 ppm	0.5414 ppm	0.0000 ppm	-0.0036 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	10.1691 ppm	0.0012 ppm	0.5396 ppm	0.0001 ppm	-0.0027 ppm	0.0003 ppm
Concentration per Run	-0.0023 ppm	10.1043 ppm	0.0011 ppm	0.5439 ppm	-0.0003 ppm	-0.0036 ppm	0.0004 ppm
Concentration per Run	-0.0009 ppm	10.1914 ppm	0.0004 ppm	0.5407 ppm	0.0002 ppm	-0.0045 ppm	0.0005 ppm
Concentration RSD	110.8 %	0.4 %	48.1 %	0.4 %	3.760.9 %	25.0 %	23.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0030 ppm	93.9654 %	100.2035 %	86.4644 %	93.4144 %	99.7095 %	93.2163 %
Concentration per Run	0.0030 ppm	93.5375 %	99.9209 %	87.0818 %	93.2844 %	100.2521 %	94.0065 %
Concentration per Run	0.0030 ppm	94.5085 %	99.9359 %	86.1033 %	93.6656 %	99.0006 %	93.0494 %
Concentration per Run	0.0030 ppm	93.8500 %	100.7536 %	86.2081 %	93.2931 %	99.8758 %	92.5929 %
Concentration RSD	1.4 %	0.5 %	0.5 %	0.6 %	0.2 %	0.6 %	0.8 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113019-3 WG2113019

Analysis started at: 9/11/2025 12:46:46 PM

Rack 1

Vial 17

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0510 ppm	2.0350 ppm	0.1234 ppm	1.0263 ppm	1.9970 ppm	0.0496 ppm	196.8012 ppm
Concentration per Run	0.0511 ppm	2.0382 ppm	0.1233 ppm	1.0331 ppm	2.0113 ppm	0.0498 ppm	197.1930 ppm
Concentration per Run	0.0512 ppm	2.0308 ppm	0.1222 ppm	1.0246 ppm	1.9793 ppm	0.0494 ppm	196.6223 ppm
Concentration per Run	0.0506 ppm	2.0358 ppm	0.1245 ppm	1.0214 ppm	2.0005 ppm	0.0494 ppm	196.5883 ppm
Concentration RSD	0.6 %	0.2 %	0.9 %	0.6 %	0.8 %	0.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0490 ppm	0.4684 ppm	0.1919 ppm	0.2479 ppm	2.3832 ppm	13.1104 ppm	0.0089 ppm
Concentration per Run	0.0493 ppm	0.4710 ppm	0.1928 ppm	0.2487 ppm	2.3956 ppm	13.1768 ppm	0.0090 ppm
Concentration per Run	0.0490 ppm	0.4686 ppm	0.1919 ppm	0.2473 ppm	2.3793 ppm	13.0426 ppm	0.0087 ppm
Concentration per Run	0.0487 ppm	0.4658 ppm	0.1910 ppm	0.2477 ppm	2.3746 ppm	13.1119 ppm	0.0091 ppm
Concentration RSD	0.6 %	0.6 %	0.5 %	0.3 %	0.5 %	0.5 %	2.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	37.4472 ppm	5.7670 ppm	0.8922 ppm	166.7770 ppm	0.4787 ppm	0.5136 ppm	0.3878 ppm
Concentration per Run	37.6679 ppm	5.7809 ppm	0.8886 ppm	167.0190 ppm	0.4820 ppm	0.5130 ppm	0.3923 ppm
Concentration per Run	37.3554 ppm	5.7480 ppm	0.8906 ppm	165.9513 ppm	0.4783 ppm	0.5134 ppm	0.3855 ppm
Concentration per Run	37.3184 ppm	5.7743 ppm	0.8975 ppm	167.3606 ppm	0.4757 ppm	0.5145 ppm	0.3856 ppm
Concentration RSD	0.5 %	0.3 %	0.5 %	0.4 %	0.7 %	0.2 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1230 ppm	11.1434 ppm	0.8754 ppm	1.5128 ppm	0.9635 ppm	0.1112 ppm	0.5069 ppm
Concentration per Run	0.1231 ppm	11.1794 ppm	0.8763 ppm	1.5217 ppm	0.9655 ppm	0.1122 ppm	0.5083 ppm
Concentration per Run	0.1230 ppm	11.1231 ppm	0.8746 ppm	1.4994 ppm	0.9618 ppm	0.1100 ppm	0.5074 ppm
Concentration per Run	0.1229 ppm	11.1276 ppm	0.8754 ppm	1.5172 ppm	0.9632 ppm	0.1116 ppm	0.5050 ppm
Concentration RSD	0.1 %	0.3 %	0.1 %	0.8 %	0.2 %	1.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4836 ppm	93.7266 %	100.5195 %	84.2190 %	92.8218 %	99.6038 %	92.2724 %
Concentration per Run	0.4862 ppm	93.5853 %	100.1323 %	84.3536 %	92.6845 %	99.4476 %	92.2031 %
Concentration per Run	0.4830 ppm	93.5606 %	100.1433 %	84.0833 %	92.5768 %	98.5091 %	92.3938 %
Concentration per Run	0.4816 ppm	94.0340 %	101.2828 %	84.2201 %	93.2040 %	100.8547 %	92.2202 %
Concentration RSD	0.5 %	0.3 %	0.7 %	0.2 %	0.4 %	1.2 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113019-4 WG2113019

Analysis started at: 9/11/2025 12:50:10 PM

Rack 1

Vial 18

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0528 ppm	2.0756 ppm	2.0756 ppm	1.0605 ppm	2.0375 ppm	0.0508 ppm	197.7891 ppm
Concentration per Run	0.0527 ppm	2.0622 ppm	2.0622 ppm	1.0626 ppm	2.0228 ppm	0.0505 ppm	197.3143 ppm
Concentration per Run	0.0528 ppm	2.0970 ppm	2.0970 ppm	1.0594 ppm	2.0586 ppm	0.0513 ppm	199.4407 ppm
Concentration per Run	0.0529 ppm	2.0676 ppm	2.0676 ppm	1.0596 ppm	2.0312 ppm	0.0505 ppm	196.6121 ppm
Concentration RSD	0.2 %	0.9 %	1.2 %	0.2 %	0.9 %	0.9 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0504 ppm	0.4837 ppm	0.4837 ppm	0.2553 ppm	2.4095 ppm	13.3774 ppm	0.0083 ppm
Concentration per Run	0.0504 ppm	0.4839 ppm	0.4839 ppm	0.2557 ppm	2.4037 ppm	13.2521 ppm	0.0086 ppm
Concentration per Run	0.0504 ppm	0.4835 ppm	0.4835 ppm	0.2554 ppm	2.4338 ppm	13.5315 ppm	0.0070 ppm
Concentration per Run	0.0504 ppm	0.4838 ppm	0.4838 ppm	0.2548 ppm	2.3910 ppm	13.3487 ppm	0.0092 ppm
Concentration RSD	0.1 %	0.0 %	0.1 %	0.2 %	0.9 %	1.1 %	13.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	37.8564 ppm	5.7927 ppm	0.9491 ppm	168.1544 ppm	0.4921 ppm	0.5310 ppm	0.4214 ppm
Concentration per Run	37.7919 ppm	5.7604 ppm	0.9452 ppm	167.0689 ppm	0.4924 ppm	0.5305 ppm	0.4236 ppm
Concentration per Run	38.0079 ppm	5.8408 ppm	0.9483 ppm	169.3474 ppm	0.4923 ppm	0.5305 ppm	0.4207 ppm
Concentration per Run	37.7693 ppm	5.7769 ppm	0.9538 ppm	168.0469 ppm	0.4915 ppm	0.5319 ppm	0.4199 ppm
Concentration RSD	0.3 %	0.7 %	0.5 %	0.7 %	0.1 %	0.1 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1272 ppm	11.3133 ppm	0.9230 ppm	1.5422 ppm	0.9980 ppm	0.1149 ppm	0.5207 ppm
Concentration per Run	0.1294 ppm	11.3190 ppm	0.9274 ppm	1.5317 ppm	0.9979 ppm	0.1134 ppm	0.5205 ppm
Concentration per Run	0.1263 ppm	11.3260 ppm	0.9220 ppm	1.5532 ppm	0.9978 ppm	0.1166 ppm	0.5213 ppm
Concentration per Run	0.1259 ppm	11.2949 ppm	0.9194 ppm	1.5418 ppm	0.9985 ppm	0.1148 ppm	0.5203 ppm
Concentration RSD	1.5 %	0.1 %	0.4 %	0.7 %	0.0 %	1.4 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4959 ppm	93.8233 %	100.7914 %	83.9644 %	93.2695 %	99.9892 %	92.2583 %
Concentration per Run	0.4957 ppm	94.1679 %	101.4607 %	83.9625 %	93.6533 %	100.5994 %	92.1698 %
Concentration per Run	0.4970 ppm	93.7396 %	99.7236 %	83.8907 %	93.4082 %	99.1457 %	92.2802 %
Concentration per Run	0.4952 ppm	93.5625 %	101.1899 %	84.0401 %	92.7469 %	100.2224 %	92.3248 %
Concentration RSD	0.2 %	0.3 %	0.9 %	0.1 %	0.5 %	0.8 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113019-5 WG2113019

Analysis started at: 9/11/2025 12:53:35 PM

Rack 1

Vial 19

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0469 ppm	1.9138 ppm	0.1170 ppm	0.9956 ppm	1.8849 ppm	0.0470 ppm	192.2120 ppm
Concentration per Run	0.0472 ppm	1.9225 ppm	0.1165 ppm	1.0008 ppm	1.9007 ppm	0.0473 ppm	191.8532 ppm
Concentration per Run	0.0468 ppm	1.9005 ppm	0.1172 ppm	0.9995 ppm	1.8525 ppm	0.0465 ppm	191.6340 ppm
Concentration per Run	0.0467 ppm	1.9245 ppm	0.1172 ppm	0.9865 ppm	1.9015 ppm	0.0472 ppm	193.1489 ppm
Concentration RSD	0.5 %	0.7 %	0.3 %	0.8 %	1.5 %	1.0 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0466 ppm	0.4468 ppm	0.1820 ppm	0.2366 ppm	2.3053 ppm	12.6356 ppm	0.0067 ppm
Concentration per Run	0.0470 ppm	0.4499 ppm	0.1824 ppm	0.2371 ppm	2.3123 ppm	12.7788 ppm	0.0068 ppm
Concentration per Run	0.0467 ppm	0.4466 ppm	0.1829 ppm	0.2366 ppm	2.2917 ppm	12.4204 ppm	0.0080 ppm
Concentration per Run	0.0461 ppm	0.4438 ppm	0.1806 ppm	0.2362 ppm	2.3121 ppm	12.7077 ppm	0.0053 ppm
Concentration RSD	0.9 %	0.7 %	0.7 %	0.2 %	0.5 %	1.5 %	19.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	36.2800 ppm	5.6046 ppm	0.8855 ppm	162.3002 ppm	0.4562 ppm	0.4885 ppm	0.3349 ppm
Concentration per Run	36.4188 ppm	5.6128 ppm	0.8835 ppm	162.4521 ppm	0.4577 ppm	0.4877 ppm	0.3353 ppm
Concentration per Run	36.4571 ppm	5.5638 ppm	0.8880 ppm	161.2090 ppm	0.4600 ppm	0.4882 ppm	0.3390 ppm
Concentration per Run	35.9642 ppm	5.6373 ppm	0.8852 ppm	163.2395 ppm	0.4511 ppm	0.4895 ppm	0.3305 ppm
Concentration RSD	0.8 %	0.7 %	0.3 %	0.6 %	1.0 %	0.2 %	1.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1167 ppm	10.5405 ppm	0.8736 ppm	1.4650 ppm	0.9353 ppm	0.1054 ppm	0.4806 ppm
Concentration per Run	0.1178 ppm	10.5931 ppm	0.8763 ppm	1.4709 ppm	0.9373 ppm	0.1041 ppm	0.4828 ppm
Concentration per Run	0.1163 ppm	10.5943 ppm	0.8813 ppm	1.4492 ppm	0.9404 ppm	0.1059 ppm	0.4809 ppm
Concentration per Run	0.1159 ppm	10.4340 ppm	0.8631 ppm	1.4748 ppm	0.9282 ppm	0.1061 ppm	0.4780 ppm
Concentration RSD	0.8 %	0.9 %	1.1 %	0.9 %	0.7 %	1.1 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4587 ppm	93.6447 %	100.0411 %	84.5164 %	99.7369 %	92.7634 %
Concentration per Run	0.4607 ppm	93.6057 %	99.9953 %	84.8048 %	99.5530 %	93.1221 %
Concentration per Run	0.4638 ppm	93.4890 %	100.5431 %	84.2660 %	100.1036 %	92.4878 %
Concentration per Run	0.4516 ppm	93.8396 %	99.5848 %	84.4785 %	99.5541 %	92.6803 %
Concentration RSD	1.4 %	0.2 %	0.5 %	0.3 %	0.2 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113019-6D5 WG2113019

Analysis started at: 9/11/2025 12:57:00 PM

Rack 1

Vial 20

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0041 ppm	-0.0009 ppm	0.0137 ppm	0.0120 ppm	0.0000 ppm	38.2104 ppm
Concentration per Run	-0.0002 ppm	-0.0012 ppm	-0.0008 ppm	0.0137 ppm	0.0119 ppm	0.0000 ppm	38.0500 ppm
Concentration per Run	-0.0002 ppm	-0.0065 ppm	-0.0006 ppm	0.0132 ppm	0.0122 ppm	0.0000 ppm	38.1056 ppm
Concentration per Run	0.0000 ppm	-0.0048 ppm	-0.0014 ppm	0.0141 ppm	0.0120 ppm	0.0001 ppm	38.4756 ppm
Concentration RSD	83.3 %	65.1 %	41.7 %	3.3 %	1.3 %	97.7 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0006 ppm	-0.0001 ppm	0.0004 ppm	0.2910 ppm	0.5910 ppm	0.0008 ppm
Concentration per Run	-0.0003 ppm	0.0005 ppm	0.0000 ppm	0.0005 ppm	0.2907 ppm	0.6084 ppm	0.0015 ppm
Concentration per Run	-0.0002 ppm	0.0008 ppm	-0.0003 ppm	0.0003 ppm	0.2916 ppm	0.5867 ppm	0.0008 ppm
Concentration per Run	-0.0002 ppm	0.0006 ppm	-0.0002 ppm	0.0005 ppm	0.2909 ppm	0.5781 ppm	0.0001 ppm
Concentration RSD	24.6 %	24.4 %	118.9 %	28.6 %	0.2 %	2.6 %	88.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.7104 ppm	1.0778 ppm	0.0212 ppm	31.5879 ppm	0.0005 ppm	0.0009 ppm	0.0606 ppm
Concentration per Run	5.7175 ppm	1.0781 ppm	0.0211 ppm	31.5694 ppm	0.0004 ppm	0.0011 ppm	0.0627 ppm
Concentration per Run	5.6926 ppm	1.0766 ppm	0.0214 ppm	31.5323 ppm	0.0010 ppm	0.0009 ppm	0.0597 ppm
Concentration per Run	5.7210 ppm	1.0788 ppm	0.0210 ppm	31.6620 ppm	0.0002 ppm	0.0007 ppm	0.0593 ppm
Concentration RSD	0.3 %	0.1 %	0.9 %	0.2 %	80.4 %	23.5 %	3.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	1.9471 ppm	0.0461 ppm	0.1091 ppm	0.0015 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	0.0009 ppm	1.9399 ppm	0.0467 ppm	0.1089 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	0.0015 ppm	1.9458 ppm	0.0467 ppm	0.1093 ppm	0.0016 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	0.0005 ppm	1.9556 ppm	0.0448 ppm	0.1090 ppm	0.0017 ppm	0.0008 ppm	0.0002 ppm
Concentration RSD	55.9 %	0.4 %	2.4 %	0.2 %	13.2 %	102.2 %	64.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	99.8369 %	103.1403 %	95.8675 %	99.1472 %	102.6568 %	98.7933 %
Concentration per Run	0.0011 ppm	100.1998 %	103.0500 %	96.2869 %	99.4119 %	101.8800 %	99.3270 %
Concentration per Run	0.0010 ppm	99.8075 %	103.5141 %	96.0910 %	98.8480 %	102.8424 %	98.9565 %
Concentration per Run	0.0010 ppm	99.5033 %	102.8568 %	95.2248 %	99.1816 %	103.2479 %	98.0964 %
Concentration RSD	5.4 %	0.3 %	0.3 %	0.6 %	0.3 %	0.7 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113217-6D20 WG2113217

Analysis started at: 9/11/2025 1:00:25 PM

Rack 1

Vial 10

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0016 ppm	6.5595 ppm	0.0211 ppm	0.0119 ppm	0.7668 ppm	0.0006 ppm	15.5753 ppm
Concentration per Run	0.0015 ppm	6.5517 ppm	0.0217 ppm	0.0122 ppm	0.7701 ppm	0.0006 ppm	15.5528 ppm
Concentration per Run	0.0016 ppm	6.5488 ppm	0.0211 ppm	0.0123 ppm	0.7637 ppm	0.0006 ppm	15.5670 ppm
Concentration per Run	0.0017 ppm	6.5779 ppm	0.0204 ppm	0.0113 ppm	0.7667 ppm	0.0006 ppm	15.6060 ppm
Concentration RSD	5.7 %	0.2 %	3.0 %	4.9 %	0.4 %	4.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0081 ppm	0.0104 ppm	0.0411 ppm	0.6791 ppm	38.6976 ppm	0.9097 ppm	0.0105 ppm
Concentration per Run	0.0081 ppm	0.0104 ppm	0.0410 ppm	0.6795 ppm	38.7014 ppm	0.9178 ppm	0.0109 ppm
Concentration per Run	0.0081 ppm	0.0102 ppm	0.0417 ppm	0.6798 ppm	38.7080 ppm	0.9034 ppm	0.0104 ppm
Concentration per Run	0.0081 ppm	0.0106 ppm	0.0406 ppm	0.6780 ppm	38.6834 ppm	0.9078 ppm	0.0102 ppm
Concentration RSD	0.5 %	2.0 %	1.4 %	0.1 %	0.0 %	0.8 %	3.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.3470 ppm	0.3191 ppm	0.0080 ppm	0.7390 ppm	0.0621 ppm	2.7578 ppm	0.0369 ppm
Concentration per Run	3.3438 ppm	0.3189 ppm	0.0076 ppm	0.7370 ppm	0.0613 ppm	2.7562 ppm	0.0371 ppm
Concentration per Run	3.3558 ppm	0.3183 ppm	0.0083 ppm	0.7375 ppm	0.0625 ppm	2.7533 ppm	0.0379 ppm
Concentration per Run	3.3412 ppm	0.3199 ppm	0.0080 ppm	0.7426 ppm	0.0624 ppm	2.7639 ppm	0.0358 ppm
Concentration RSD	0.2 %	0.2 %	4.0 %	0.4 %	1.1 %	0.2 %	2.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	0.6279 ppm	0.2081 ppm	0.0906 ppm	0.2402 ppm	-0.0004 ppm	0.0315 ppm
Concentration per Run	0.0025 ppm	0.6326 ppm	0.2093 ppm	0.0909 ppm	0.2399 ppm	-0.0008 ppm	0.0315 ppm
Concentration per Run	-0.0007 ppm	0.5948 ppm	0.2092 ppm	0.0900 ppm	0.2399 ppm	-0.0001 ppm	0.0316 ppm
Concentration per Run	0.0021 ppm	0.6564 ppm	0.2058 ppm	0.0910 ppm	0.2407 ppm	-0.0002 ppm	0.0314 ppm
Concentration RSD	133.4 %	4.9 %	1.0 %	0.6 %	0.2 %	111.4 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.7041 ppm	101.0569 %	102.7449 %	98.1201 %	103.0449 %	103.9111 %	103.1402 %
Concentration per Run	2.7015 ppm	101.4725 %	102.6817 %	97.8100 %	103.4192 %	104.0125 %	102.9256 %
Concentration per Run	2.7188 ppm	100.6993 %	103.2770 %	97.8584 %	102.5468 %	103.8320 %	102.6465 %
Concentration per Run	2.6921 ppm	100.9988 %	102.2760 %	98.6917 %	103.1687 %	103.8889 %	103.8486 %
Concentration RSD	0.5 %	0.4 %	0.5 %	0.5 %	0.4 %	0.1 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

CCV

Sample: 9/11/2025 1:03:52 PM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4772 ppm	0.4778 ppm	0.4705 ppm	0.4778 ppm	0.4816 ppm	0.4985 ppm	0.4952 ppm
Concentration per Run	0.4780 ppm	0.4772 ppm	0.4720 ppm	0.4809 ppm	0.4984 ppm	0.4984 ppm	0.4952 ppm
Concentration per Run	0.4763 ppm	0.4815 ppm	0.4704 ppm	0.4742 ppm	0.4820 ppm	0.5007 ppm	0.4942 ppm
Concentration per Run	0.4775 ppm	0.4747 ppm	0.4692 ppm	0.4782 ppm	0.4792 ppm	0.4965 ppm	0.4960 ppm
Recovery Percentage	95.449 %	95.562 %	94.103 %	95.553 %	96.319 %	99.706 %	99.033 %
Concentration RSD	0.2 %	0.7 %	0.3 %	0.7 %	0.5 %	0.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4931 ppm	0.4950 ppm	0.4917 ppm	0.4914 ppm	0.4988 ppm	5.0365 ppm	0.5081 ppm
Concentration per Run	0.4966 ppm	0.4964 ppm	0.4944 ppm	0.4912 ppm	0.5009 ppm	5.0330 ppm	0.5116 ppm
Concentration per Run	0.4932 ppm	0.4949 ppm	0.4911 ppm	0.4896 ppm	0.4974 ppm	5.0556 ppm	0.5134 ppm
Concentration per Run	0.4895 ppm	0.4937 ppm	0.4896 ppm	0.4933 ppm	0.4980 ppm	5.0209 ppm	0.4993 ppm
Recovery Percentage	98.621 %	98.997 %	98.346 %	98.272 %	99.757 %	100.730 %	101.621 %
Concentration RSD	0.7 %	0.3 %	0.5 %	0.4 %	0.4 %	0.3 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4938 ppm	0.4988 ppm	0.4860 ppm	10.0984 ppm	0.4997 ppm	0.4803 ppm	0.5193 ppm
Concentration per Run	0.4973 ppm	0.4972 ppm	0.4849 ppm	10.0737 ppm	0.5041 ppm	0.4806 ppm	0.5238 ppm
Concentration per Run	0.4934 ppm	0.5001 ppm	0.4869 ppm	10.1478 ppm	0.4995 ppm	0.5173 ppm	0.5173 ppm
Concentration per Run	0.4908 ppm	0.4991 ppm	0.4863 ppm	10.0737 ppm	0.4956 ppm	0.4801 ppm	0.5166 ppm
Recovery Percentage	98.768 %	99.760 %	97.207 %	100.984 %	99.943 %	96.059 %	103.853 %
Concentration RSD	0.7 %	0.3 %	0.2 %	0.4 %	0.9 %	0.1 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4632 ppm	5.2189 ppm	0.5027 ppm	0.4980 ppm	0.4891 ppm	0.4905 ppm	0.4946 ppm
Concentration per Run	0.4628 ppm	5.2025 ppm	0.5097 ppm	0.4900 ppm	0.4929 ppm	0.4957 ppm	0.4957 ppm
Concentration per Run	0.4629 ppm	5.2326 ppm	0.5014 ppm	0.4973 ppm	0.4900 ppm	0.4893 ppm	0.4941 ppm
Concentration per Run	0.4639 ppm	5.2216 ppm	0.4971 ppm	0.4943 ppm	0.4874 ppm	0.4894 ppm	0.4941 ppm
Recovery Percentage	92.632 %	99.408 %	100.548 %	99.601 %	97.824 %	98.108 %	98.929 %
Concentration RSD	0.1 %	0.3 %	1.3 %	0.8 %	0.3 %	0.4 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4902 ppm	102.8185 %	103.8130 %	99.0580 %	102.6252 %	102.8841 %	101.9364 %
Concentration per Run	0.4962 ppm	102.7106 %	104.2026 %	99.3074 %	102.6408 %	103.1224 %	102.1793 %
Concentration per Run	0.4889 ppm	102.9280 %	103.1879 %	98.9517 %	102.5078 %	102.4949 %	101.9008 %
Concentration per Run	0.4853 ppm	102.8168 %	104.0486 %	98.9150 %	102.7268 %	103.0350 %	101.7290 %
Recovery Percentage	98.032 %						
Concentration RSD	1.1 %	0.1 %	0.5 %	0.2 %	0.1 %	0.3 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 1:07:17 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0006 ppm	0.0006 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0079 ppm
Concentration per Run	-0.0001 ppm	-0.0015 ppm	0.0005 ppm	-0.0015 ppm	0.0005 ppm	0.0001 ppm	0.0097 ppm
Concentration per Run	-0.0005 ppm	0.0005 ppm	0.0006 ppm	0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0055 ppm
Concentration per Run	-0.0003 ppm	0.0026 ppm	0.0007 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0087 ppm
Recovery Percentage	-6.415 %	0.558 %	11.175 %	-0.578 %	0.542 %	1.598 %	7.947 %
Concentration RSD	61.4 %	364.2 %	15.7 %	334.1 %	137.2 %	6.4 %	27.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0320 ppm	-0.0005 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0358 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0307 ppm	-0.0004 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0026 ppm	0.0294 ppm	-0.0010 ppm
Recovery Percentage	4.299 %	0.414 %	1.543 %	-0.041 %	6.353 %	1.279 %	-4.975 %
Concentration RSD	15.4 %	264.5 %	65.8 %	1,591.9 %	18.0 %	10.6 %	101.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0005 ppm	0.0002 ppm	0.0003 ppm	0.0345 ppm	0.0002 ppm	0.0005 ppm	0.0059 ppm
Concentration per Run	0.0005 ppm	0.0003 ppm	0.0003 ppm	0.0339 ppm	0.0006 ppm	0.0003 ppm	0.0058 ppm
Concentration per Run	0.0008 ppm	0.0002 ppm	0.0005 ppm	0.0327 ppm	0.0001 ppm	0.0009 ppm	0.0054 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0056 ppm	0.0370 ppm	-0.0003 ppm	0.0002 ppm	0.0064 ppm
Recovery Percentage	0.482 %	2.205 %	10.935 %	1.725 %	0.624 %	4.688 %	11.769 %
Concentration RSD	67.1 %	48.1 %	4.0 %	6.5 %	271.9 %	73.1 %	8.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	0.0014 ppm	0.0040 ppm	0.0001 ppm	0.0006 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0032 ppm	0.0011 ppm	0.0045 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0028 ppm	0.0013 ppm	0.0037 ppm	0.0001 ppm	0.0006 ppm	0.0012 ppm	-0.0001 ppm
Concentration per Run	0.0042 ppm	0.0020 ppm	0.0038 ppm	0.0001 ppm	0.0008 ppm	0.0007 ppm	0.0002 ppm
Recovery Percentage	33.873 %	0.286 %	8.046 %	0.909 %	6.332 %	4.424 %	0.384 %
Concentration RSD	22.1 %	33.4 %	10.9 %	30.4 %	26.2 %	32.1 %	457.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	103.0656 %	103.0919 %	102.6549 %	104.8704 %	104.1871 %	104.0388 %
Concentration per Run	0.0006 ppm	103.3774 %	103.3957 %	103.4419 %	105.2723 %	105.0751 %	104.9804 %
Concentration per Run	0.0007 ppm	102.0254 %	102.9674 %	102.3874 %	104.9363 %	104.2527 %	103.5691 %
Concentration per Run	0.0007 ppm	102.7939 %	102.9127 %	102.1355 %	104.4028 %	103.2337 %	103.5670 %
Recovery Percentage	13.116 %						
Concentration RSD	10.4 %	0.3 %	0.3 %	0.7 %	0.4 %	0.9 %	0.8 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112844-1 WG2112844

Analysis started at: 9/11/2025 1:30:13 PM

Rack 1

Vial 23

Comment: rr As Se

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0002 ppm	-0.0004 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0111 ppm
Concentration per Run	-0.0004 ppm	-0.0004 ppm	-0.0020 ppm	-0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0113 ppm
Concentration per Run	-0.0002 ppm	0.0026 ppm	0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0126 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0095 ppm
Recovery Percentage	-4.739 %	0.183 %	-7.771 %	-0.255 %	1.073 %	0.433 %	11.140 %
Concentration RSD	63.6 %	1.285.8 %	129.9 %	1.250.4 %	46.3 %	70.7 %	14.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0191 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0017 ppm	0.0227 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0002 ppm	-0.0002 ppm	0.0116 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0020 ppm	0.0231 ppm	0.0005 ppm
Recovery Percentage	0.298 %	0.102 %	0.944 %	-0.433 %	2.383 %	0.765 %	0.778 %
Concentration RSD	229.7 %	2.564.2 %	159.1 %	75.3 %	98.5 %	34.0 %	509.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0000 ppm	0.0004 ppm	0.0004 ppm	0.0008 ppm	0.0004 ppm	0.0006 ppm	0.0011 ppm
Concentration per Run	-0.0007 ppm	0.0004 ppm	0.0004 ppm	0.0011 ppm	0.0007 ppm	0.0004 ppm	0.0019 ppm
Concentration per Run	0.0003 ppm	0.0004 ppm	0.0003 ppm	0.0009 ppm	0.0007 ppm	0.0007 ppm	0.0007 ppm
Concentration per Run	0.0005 ppm	0.0004 ppm	0.0005 ppm	0.0005 ppm	0.0005 ppm	0.0007 ppm	0.0003 ppm
Recovery Percentage	0.046 %	3.923 %	7.2 %	1.648 %	1.608 %	6.081 %	2.268 %
Concentration RSD	1.490.0 %	7.2 %	33.7 %	8.5 %	79.3 %	36.6 %	57.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	-0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run	-0.0011 ppm	0.0004 ppm	-0.0006 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run	0.0006 ppm	-0.0007 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	-0.0002 ppm
Recovery Percentage	-2.955 %	-0.012 %	0.035 %	1.115 %	0.703 %	2.500 %	-0.548 %
Concentration RSD	289.6 %	932.5 %	3.818.3 %	1.9 %	112.3 %	32.6 %	242.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	102.0059 %	105.4927 %	103.5107 %	103.6251 %	106.8064 %	103.3249 %
Concentration per Run	0.0004 ppm	102.1209 %	105.3896 %	103.5412 %	103.9064 %	106.6012 %	103.4898 %
Concentration per Run	0.0006 ppm	101.8955 %	105.3650 %	103.5860 %	103.4956 %	106.5028 %	103.2618 %
Concentration per Run	0.0004 ppm	102.0012 %	105.7234 %	103.4049 %	103.4733 %	107.3152 %	103.2231 %
Recovery Percentage	9.660 %						
Concentration RSD	27.1 %	0.1 %	0.2 %	0.1 %	0.2 %	0.4 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112844-2 WG2112844

Analysis started at: 9/11/2025 1:33:53 PM

Rack 1

Vial 24

Comment: rr As Se

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0482 ppm	1.9606 ppm	0.1139 ppm	0.9298 ppm	1.8876 ppm	0.0484 ppm	9.6725 ppm
Concentration per Run	0.0485 ppm	1.9559 ppm	0.1128 ppm	0.9290 ppm	1.8945 ppm	0.0483 ppm	9.6569 ppm
Concentration per Run	0.0476 ppm	1.9692 ppm	0.1141 ppm	0.9266 ppm	1.8966 ppm	0.0488 ppm	9.7177 ppm
Concentration per Run	0.0485 ppm	1.9566 ppm	0.1148 ppm	0.9338 ppm	1.8716 ppm	0.0481 ppm	9.6430 ppm
Concentration RSD	1.1 %	0.4 %	0.9 %	0.4 %	0.7 %	0.7 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0504 ppm	0.4722 ppm	0.1886 ppm	0.2391 ppm	0.9553 ppm	9.8485 ppm	-0.0002 ppm
Concentration per Run	0.0505 ppm	0.4738 ppm	0.1897 ppm	0.2383 ppm	0.9566 ppm	9.8210 ppm	0.0000 ppm
Concentration per Run	0.0500 ppm	0.4686 ppm	0.1877 ppm	0.2393 ppm	0.9617 ppm	9.9063 ppm	-0.0003 ppm
Concentration per Run	0.0506 ppm	0.4740 ppm	0.1884 ppm	0.2398 ppm	0.9477 ppm	9.8182 ppm	-0.0004 ppm
Concentration RSD	0.7 %	0.6 %	0.5 %	0.3 %	0.7 %	0.5 %	86.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.6799 ppm	0.4827 ppm	0.8857 ppm	10.0818 ppm	0.4824 ppm	0.5036 ppm	0.3477 ppm
Concentration per Run	9.7686 ppm	0.4815 ppm	0.8785 ppm	10.0572 ppm	0.4844 ppm	0.5038 ppm	0.3448 ppm
Concentration per Run	9.5634 ppm	0.4854 ppm	0.8808 ppm	10.1567 ppm	0.4795 ppm	0.5009 ppm	0.3469 ppm
Concentration per Run	9.7077 ppm	0.4811 ppm	0.8978 ppm	10.0315 ppm	0.4832 ppm	0.5060 ppm	0.3512 ppm
Concentration RSD	1.1 %	0.5 %	1.2 %	0.7 %	0.5 %	0.5 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1113 ppm	0.8579 ppm	0.8873 ppm	0.9497 ppm	0.9398 ppm	0.1172 ppm	0.4874 ppm
Concentration per Run	0.1124 ppm	0.8584 ppm	0.8887 ppm	0.9549 ppm	0.9489 ppm	0.1172 ppm	0.4894 ppm
Concentration per Run	0.1111 ppm	0.8541 ppm	0.8791 ppm	0.9541 ppm	0.9317 ppm	0.1173 ppm	0.4863 ppm
Concentration per Run	0.1105 ppm	0.8612 ppm	0.8940 ppm	0.9402 ppm	0.9389 ppm	0.1171 ppm	0.4864 ppm
Concentration RSD	0.9 %	0.4 %	0.8 %	0.9 %	0.9 %	0.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4779 ppm	102.7715 %	104.0851 %	97.9940 %	102.6214 %	103.8027 %	101.9063 %
Concentration per Run	0.4830 ppm	102.2950 %	104.6889 %	97.3308 %	102.3093 %	104.9520 %	101.6159 %
Concentration per Run	0.4716 ppm	103.7450 %	98.8554 %	98.8554 %	103.8140 %	102.3835 %	101.3835 %
Concentration per Run	0.4792 ppm	102.2746 %	104.3010 %	97.7958 %	101.7408 %	103.2917 %	101.7195 %
Concentration RSD	1.2 %	0.8 %	0.7 %	0.8 %	1.0 %	1.0 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2556550-01d5 WG2112844

Analysis started at: 9/11/2025 1:37:19 PM

Rack 1

Vial 25

Comment: rr As Se

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0021 ppm	0.0396 ppm	0.0684 ppm	0.0074 ppm	0.0000 ppm	71.7565 ppm
Concentration per Run	-0.0003 ppm	-0.0076 ppm	0.0390 ppm	0.0687 ppm	0.0075 ppm	0.0000 ppm	71.7154 ppm
Concentration per Run	-0.0006 ppm	0.0010 ppm	0.0384 ppm	0.0683 ppm	0.0073 ppm	0.0000 ppm	71.8676 ppm
Concentration per Run	-0.0005 ppm	0.0003 ppm	0.0415 ppm	0.0682 ppm	0.0074 ppm	0.0000 ppm	71.6865 ppm
Concentration RSD	28.3 %	224.5 %	4.2 %	0.4 %	1.0 %	27.3 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0008 ppm	0.0001 ppm	-0.0002 ppm	0.0008 ppm	0.0044 ppm	7.7118 ppm	0.0210 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	-0.0004 ppm	0.0011 ppm	0.0042 ppm	7.7089 ppm	0.0221 ppm
Concentration per Run	-0.0008 ppm	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0038 ppm	7.6711 ppm	0.0206 ppm
Concentration per Run	-0.0008 ppm	0.0002 ppm	-0.0002 ppm	0.0006 ppm	0.0052 ppm	7.7554 ppm	0.0204 ppm
Concentration RSD	3.8 %	175.2 %	88.6 %	29.5 %	15.4 %	0.5 %	4.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.0844 ppm	0.4278 ppm	0.0159 ppm	141.9756 ppm	0.0002 ppm	0.0003 ppm	0.0311 ppm
Concentration per Run	20.0958 ppm	0.4283 ppm	0.0160 ppm	141.2558 ppm	0.0001 ppm	0.0005 ppm	0.0331 ppm
Concentration per Run	20.1242 ppm	0.4286 ppm	0.0160 ppm	141.3987 ppm	0.0004 ppm	0.0003 ppm	0.0307 ppm
Concentration per Run	20.0333 ppm	0.4284 ppm	0.0157 ppm	143.2722 ppm	-0.0001 ppm	0.0003 ppm	0.0294 ppm
Concentration RSD	0.2 %	0.2 %	1.0 %	0.8 %	151.3 %	38.7 %	6.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	3.6957 ppm	0.0231 ppm	0.5991 ppm	0.0011 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run	0.0030 ppm	3.6843 ppm	0.0245 ppm	0.6008 ppm	0.0013 ppm	-0.0006 ppm	0.0006 ppm
Concentration per Run	0.0025 ppm	3.7052 ppm	0.0233 ppm	0.5943 ppm	0.0009 ppm	0.0013 ppm	0.0004 ppm
Concentration per Run	0.0026 ppm	3.6975 ppm	0.0215 ppm	0.6021 ppm	0.0011 ppm	0.0003 ppm	0.0004 ppm
Concentration RSD	9.3 %	0.3 %	6.5 %	0.7 %	18.0 %	315.9 %	18.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	95.4698 %	100.7817 %	89.9335 %	95.0765 %	99.8578 %	95.0486 %
Concentration per Run	0.0005 ppm	95.7202 %	101.1175 %	89.9022 %	95.0992 %	100.2465 %	95.1494 %
Concentration per Run	0.0007 ppm	94.8485 %	100.4838 %	89.8007 %	94.6230 %	99.0491 %	95.0736 %
Concentration per Run	0.0006 ppm	95.8407 %	100.7439 %	90.0975 %	95.5071 %	100.2779 %	94.9227 %
Concentration RSD	22.7 %	0.6 %	0.3 %	0.2 %	0.5 %	0.7 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112844-3d5 WG2112844

Analysis started at: 9/11/2025 1:40:42 PM

Rack 1

Vial 26

Comment: rr As Se

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0098 ppm	0.3948 ppm	0.0640 ppm	0.2638 ppm	0.3908 ppm	0.0099 ppm	74.8855 ppm
Concentration per Run	0.0098 ppm	0.3919 ppm	0.0635 ppm	0.2625 ppm	0.3864 ppm	0.0098 ppm	74.1581 ppm
Concentration per Run	0.0098 ppm	0.3961 ppm	0.0639 ppm	0.2652 ppm	0.3948 ppm	0.0100 ppm	75.1877 ppm
Concentration per Run	0.0099 ppm	0.3963 ppm	0.0647 ppm	0.2636 ppm	0.3911 ppm	0.0099 ppm	75.3108 ppm
Concentration RSD	0.7 %	0.6 %	0.9 %	0.5 %	1.1 %	0.9 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0095 ppm	0.0945 ppm	0.0384 ppm	0.0491 ppm	0.1977 ppm	9.8611 ppm	0.0220 ppm
Concentration per Run	0.0093 ppm	0.0941 ppm	0.0381 ppm	0.0489 ppm	0.1971 ppm	9.7280 ppm	0.0236 ppm
Concentration per Run	0.0097 ppm	0.0950 ppm	0.0386 ppm	0.0492 ppm	0.1982 ppm	10.0005 ppm	0.0205 ppm
Concentration per Run	0.0095 ppm	0.0944 ppm	0.0384 ppm	0.0492 ppm	0.1977 ppm	9.8548 ppm	0.0220 ppm
Concentration RSD	1.8 %	0.5 %	0.7 %	0.4 %	0.3 %	1.4 %	7.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.2523 ppm	0.5334 ppm	0.1894 ppm	146.0138 ppm	0.0968 ppm	0.1011 ppm	0.1132 ppm
Concentration per Run	22.4110 ppm	0.5272 ppm	0.1883 ppm	144.5826 ppm	0.0962 ppm	0.1016 ppm	0.1122 ppm
Concentration per Run	22.1845 ppm	0.5367 ppm	0.1907 ppm	147.0611 ppm	0.0971 ppm	0.1006 ppm	0.1128 ppm
Concentration per Run	22.1614 ppm	0.5364 ppm	0.1893 ppm	146.3975 ppm	0.0973 ppm	0.1011 ppm	0.1145 ppm
Concentration RSD	0.6 %	1.0 %	0.6 %	0.9 %	0.6 %	0.5 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0235 ppm	3.9493 ppm	0.1921 ppm	0.7967 ppm	0.1900 ppm	0.0226 ppm	0.1000 ppm
Concentration per Run	0.0215 ppm	3.9404 ppm	0.1900 ppm	0.7932 ppm	0.1892 ppm	0.0221 ppm	0.1003 ppm
Concentration per Run	0.0244 ppm	3.9735 ppm	0.1941 ppm	0.8010 ppm	0.1902 ppm	0.0235 ppm	0.1002 ppm
Concentration per Run	0.0246 ppm	3.9340 ppm	0.1922 ppm	0.7959 ppm	0.1906 ppm	0.0222 ppm	0.0994 ppm
Concentration RSD	7.4 %	0.5 %	1.1 %	0.5 %	0.4 %	3.5 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0983 ppm	95.0830 %	100.5677 %	89.3835 %	94.2388 %	94.9484 %
Concentration per Run	0.0979 ppm	95.2034 %	102.0283 %	89.2709 %	94.3815 %	94.7060 %
Concentration per Run	0.0990 ppm	95.0690 %	100.2353 %	89.7447 %	94.2227 %	95.1697 %
Concentration per Run	0.0980 ppm	94.9767 %	99.4396 %	89.1349 %	94.1122 %	94.9696 %
Concentration RSD	0.6 %	0.1 %	1.3 %	0.4 %	0.1 %	0.9 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112844-4d5 WG2112844

Analysis started at: 9/11/2025 1:44:06 PM

Rack 1

Vial 27

Comment: rr As Se

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0014 ppm	0.0396 ppm	0.0664 ppm	0.0073 ppm	0.0000 ppm	72.3969 ppm
Concentration per Run	-0.0003 ppm	-0.0050 ppm	0.0395 ppm	0.0659 ppm	0.0073 ppm	0.0000 ppm	72.9484 ppm
Concentration per Run	-0.0005 ppm	0.0004 ppm	0.0390 ppm	0.0669 ppm	0.0075 ppm	0.0000 ppm	72.1419 ppm
Concentration per Run	-0.0006 ppm	0.0004 ppm	0.0405 ppm	0.0663 ppm	0.0073 ppm	0.0000 ppm	72.1005 ppm
Concentration RSD	28.3 %	227.8 %	1.9 %	0.7 %	1.3 %	56.1 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0008 ppm	0.0003 ppm	0.0001 ppm	0.0008 ppm	0.0041 ppm	7.7648 ppm	0.0225 ppm
Concentration per Run	-0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0008 ppm	0.0035 ppm	7.7322 ppm	0.0237 ppm
Concentration per Run	-0.0008 ppm	0.0006 ppm	0.0001 ppm	0.0007 ppm	0.0041 ppm	7.8074 ppm	0.0220 ppm
Concentration per Run	-0.0007 ppm	-0.0002 ppm	0.0002 ppm	0.0009 ppm	0.0047 ppm	7.7548 ppm	0.0220 ppm
Concentration RSD	7.6 %	176.2 %	91.2 %	12.5 %	14.9 %	0.5 %	4.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.3174 ppm	0.4316 ppm	0.0046 ppm	142.9613 ppm	0.0006 ppm	0.0006 ppm	0.0061 ppm
Concentration per Run	20.4355 ppm	0.4336 ppm	0.0044 ppm	142.8819 ppm	0.0008 ppm	0.0006 ppm	0.0075 ppm
Concentration per Run	20.3220 ppm	0.4319 ppm	0.0049 ppm	143.2346 ppm	0.0008 ppm	0.0007 ppm	0.0048 ppm
Concentration per Run	20.1946 ppm	0.4291 ppm	0.0046 ppm	142.7675 ppm	0.0003 ppm	0.0006 ppm	0.0060 ppm
Concentration RSD	0.6 %	0.5 %	5.4 %	0.2 %	48.6 %	10.8 %	22.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	3.7283 ppm	0.0032 ppm	0.6021 ppm	0.0003 ppm	0.0009 ppm	0.0005 ppm
Concentration per Run	0.0023 ppm	3.7429 ppm	0.0032 ppm	0.5988 ppm	0.0004 ppm	0.0010 ppm	0.0006 ppm
Concentration per Run	0.0012 ppm	3.7287 ppm	0.0024 ppm	0.6030 ppm	0.0003 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run	0.0005 ppm	3.7134 ppm	0.0038 ppm	0.6044 ppm	0.0002 ppm	0.0005 ppm	0.0005 ppm
Concentration RSD	69.5 %	0.4 %	22.1 %	0.5 %	43.3 %	39.8 %	38.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0016 ppm	95.0651 %	100.7031 %	89.7899 %	94.3850 %	100.4576 %	95.2494 %
Concentration per Run	0.0016 ppm	95.0131 %	99.6824 %	89.5743 %	94.4671 %	99.5602 %	95.2400 %
Concentration per Run	0.0017 ppm	94.5056 %	101.6207 %	90.2252 %	93.5987 %	101.5372 %	95.3310 %
Concentration per Run	0.0016 ppm	95.6766 %	100.8061 %	89.5701 %	95.0894 %	100.2755 %	95.1771 %
Concentration RSD	1.1 %	0.6 %	1.0 %	0.4 %	0.8 %	1.0 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112844-5d5 WG2112844

Analysis started at: 9/11/2025 1:47:30 PM

Rack 1

Vial 28

Comment: rr As Se

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0462 ppm	1.8720 ppm	0.1536 ppm	1.0122 ppm	1.8169 ppm	0.0470 ppm	79.4013 ppm
Concentration per Run	0.0467 ppm	1.8888 ppm	0.1530 ppm	1.0188 ppm	1.8147 ppm	0.0472 ppm	79.5698 ppm
Concentration per Run	0.0457 ppm	1.8674 ppm	0.1534 ppm	1.0141 ppm	1.8199 ppm	0.0470 ppm	79.2078 ppm
Concentration per Run	0.0462 ppm	1.8598 ppm	0.1543 ppm	1.0038 ppm	1.8161 ppm	0.0469 ppm	79.4264 ppm
Concentration RSD	1.1 %	0.8 %	0.4 %	0.8 %	0.1 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0480 ppm	0.4481 ppm	0.1826 ppm	0.2311 ppm	0.9199 ppm	17.3221 ppm	0.0208 ppm
Concentration per Run	0.0483 ppm	0.4526 ppm	0.1845 ppm	0.2319 ppm	0.9231 ppm	17.3529 ppm	0.0216 ppm
Concentration per Run	0.0484 ppm	0.4491 ppm	0.1828 ppm	0.2306 ppm	0.9176 ppm	17.3498 ppm	0.0205 ppm
Concentration per Run	0.0473 ppm	0.4425 ppm	0.1806 ppm	0.2309 ppm	0.9191 ppm	17.2637 ppm	0.0202 ppm
Concentration RSD	1.2 %	1.1 %	1.1 %	0.3 %	0.3 %	0.3 %	3.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	28.8636 ppm	0.8795 ppm	0.9066 ppm	146.9413 ppm	0.4591 ppm	0.4818 ppm	0.3421 ppm
Concentration per Run	29.1003 ppm	0.8823 ppm	0.9121 ppm	146.8509 ppm	0.4639 ppm	0.4821 ppm	0.3431 ppm
Concentration per Run	28.9614 ppm	0.8781 ppm	0.9067 ppm	146.8561 ppm	0.4596 ppm	0.4824 ppm	0.3392 ppm
Concentration per Run	28.5292 ppm	0.8780 ppm	0.9009 ppm	147.1169 ppm	0.4539 ppm	0.4809 ppm	0.3439 ppm
Concentration RSD	1.0 %	0.3 %	0.6 %	0.1 %	1.1 %	0.2 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1140 ppm	4.2306 ppm	0.9195 ppm	1.4974 ppm	0.9251 ppm	0.1087 ppm	0.4791 ppm
Concentration per Run	0.1128 ppm	4.2524 ppm	0.9376 ppm	1.5014 ppm	0.9305 ppm	0.1102 ppm	0.4802 ppm
Concentration per Run	0.1154 ppm	4.2341 ppm	0.9178 ppm	1.4926 ppm	0.9220 ppm	0.1077 ppm	0.4795 ppm
Concentration per Run	0.1139 ppm	4.2053 ppm	0.9032 ppm	1.4982 ppm	0.9227 ppm	0.1082 ppm	0.4776 ppm
Concentration RSD	1.1 %	0.6 %	1.9 %	0.3 %	0.5 %	1.2 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4645 ppm	94.2464 %	99.7783 %	88.0510 %	93.7764 %	99.0574 %	94.5606 %
Concentration per Run	0.4722 ppm	94.1345 %	99.3087 %	87.6495 %	93.6907 %	98.9413 %	94.1974 %
Concentration per Run	0.4641 ppm	94.1696 %	100.2370 %	88.0809 %	93.3378 %	99.2254 %	94.4497 %
Concentration per Run	0.4573 ppm	94.4351 %	99.7891 %	88.4227 %	94.3007 %	99.0054 %	95.0347 %
Concentration RSD	1.6 %	0.2 %	0.5 %	0.4 %	0.5 %	0.2 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112844-6D25 WG2112844

Analysis started at: 9/11/2025 1:50:53 PM

Rack 1

Vial 29

Comment: rr As Se

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0027 ppm	0.0073 ppm	0.0145 ppm	0.0016 ppm	0.0000 ppm	14.6384 ppm
Concentration per Run	-0.0005 ppm	-0.0010 ppm	0.0068 ppm	0.0149 ppm	0.0016 ppm	0.0000 ppm	14.6281 ppm
Concentration per Run	-0.0006 ppm	0.0001 ppm	0.0070 ppm	0.0142 ppm	0.0017 ppm	0.0000 ppm	14.6900 ppm
Concentration per Run	-0.0003 ppm	-0.0073 ppm	0.0081 ppm	0.0143 ppm	0.0016 ppm	0.0000 ppm	14.5971 ppm
Concentration RSD	36.0 %	146.9 %	10.1 %	2.5 %	1.9 %	11.6 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0014 ppm	1.5567 ppm	0.0050 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	1.5716 ppm	0.0048 ppm
Concentration per Run	-0.0002 ppm	-0.0002 ppm	0.0005 ppm	0.0001 ppm	0.0019 ppm	1.5511 ppm	0.0052 ppm
Concentration per Run	-0.0002 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0011 ppm	1.5474 ppm	0.0049 ppm
Concentration RSD	30.7 %	1.081.3 %	173.2 %	26.1 %	33.1 %	0.8 %	3.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.1310 ppm	0.0860 ppm	0.0116 ppm	29.1281 ppm	0.0005 ppm	0.0004 ppm	0.0369 ppm
Concentration per Run	4.1529 ppm	0.0863 ppm	0.0114 ppm	29.2025 ppm	0.0006 ppm	0.0001 ppm	0.0399 ppm
Concentration per Run	4.1221 ppm	0.0860 ppm	0.0117 ppm	29.0109 ppm	0.0007 ppm	-0.0003 ppm	0.0344 ppm
Concentration per Run	4.1181 ppm	0.0858 ppm	0.0118 ppm	29.1708 ppm	0.0001 ppm	0.0013 ppm	0.0365 ppm
Concentration RSD	0.5 %	0.3 %	1.7 %	0.4 %	73.6 %	219.3 %	7.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0017 ppm	0.7199 ppm	0.0076 ppm	0.1209 ppm	0.0010 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	0.0026 ppm	0.7211 ppm	0.0071 ppm	0.1214 ppm	0.0011 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0024 ppm	0.7176 ppm	0.0082 ppm	0.1211 ppm	0.0009 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.7211 ppm	0.0076 ppm	0.1202 ppm	0.0010 ppm	0.0004 ppm	0.0001 ppm
Concentration RSD	83.3 %	0.3 %	7.7 %	0.5 %	10.0 %	23.3 %	271.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	100.4870 %	103.3751 %	98.3100 %	100.0381 %	102.5883 %	100.3317 %
Concentration per Run	0.0004 ppm	99.7904 %	103.9399 %	98.6951 %	99.5952 %	103.8779 %	100.4478 %
Concentration per Run	0.0005 ppm	100.7756 %	102.5154 %	97.8386 %	100.0212 %	101.5514 %	99.9218 %
Concentration per Run	0.0005 ppm	100.8951 %	103.6699 %	98.3965 %	100.4980 %	102.3357 %	100.6255 %
Concentration RSD	9.8 %	0.6 %	0.7 %	0.4 %	0.5 %	1.2 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/11/2025 1:54:18 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4720 ppm	0.4721 ppm		0.4719 ppm	0.4783 ppm	0.4950 ppm	0.4935 ppm
Concentration per Run	0.4719 ppm	0.4719 ppm		0.4722 ppm	0.4758 ppm	0.4958 ppm	0.4973 ppm
Concentration per Run	0.4724 ppm	0.4694 ppm		0.4731 ppm	0.4791 ppm	0.4930 ppm	0.4900 ppm
Concentration per Run	0.4718 ppm	0.4715 ppm		0.4703 ppm	0.4801 ppm	0.4962 ppm	0.4931 ppm
Recovery Percentage	94.403 %	94.411 %	93.396 %	94.372 %	95.665 %	99.007 %	98.698 %
Concentration RSD	0.1 %	0.6 %	0.5 %	0.3 %	0.5 %	0.4 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4894 ppm	0.4879 ppm	0.4879 ppm	0.4858 ppm	0.4870 ppm	5.0006 ppm	0.5079 ppm
Concentration per Run	0.4879 ppm	0.4885 ppm	0.4872 ppm	0.4861 ppm	0.4922 ppm	5.0279 ppm	0.5099 ppm
Concentration per Run	0.4903 ppm	0.4884 ppm	0.4882 ppm	0.4854 ppm	0.4835 ppm	4.9588 ppm	0.5050 ppm
Concentration per Run	0.4900 ppm	0.4869 ppm	0.4883 ppm	0.4858 ppm	0.4852 ppm	5.0151 ppm	0.5089 ppm
Recovery Percentage	97.874 %	97.584 %	97.576 %	97.152 %	97.402 %	100.012 %	101.588 %
Concentration RSD	0.3 %	0.2 %	0.1 %	0.1 %	0.9 %	0.7 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4891 ppm	0.4958 ppm		0.4810 ppm	0.4954 ppm	0.4734 ppm	0.5159 ppm
Concentration per Run	0.4892 ppm	0.4979 ppm		0.4787 ppm	0.4963 ppm	0.4737 ppm	0.5154 ppm
Concentration per Run	0.4902 ppm	0.4933 ppm		0.4808 ppm	0.4975 ppm	0.4720 ppm	0.5154 ppm
Concentration per Run	0.4879 ppm	0.4961 ppm		0.4833 ppm	0.4924 ppm	0.4746 ppm	0.5168 ppm
Recovery Percentage	97.827 %	99.159 %	96.191 %	100.396 %	99.078 %	94.685 %	103.171 %
Concentration RSD	0.2 %	0.5 %	0.5 %	0.5 %	0.5 %	0.3 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4594 ppm	5.1579 ppm	0.4973 ppm	0.4969 ppm	0.4793 ppm	0.4861 ppm	0.4900 ppm
Concentration per Run	0.4572 ppm	5.1359 ppm	0.4986 ppm	0.4944 ppm	0.4799 ppm	0.4839 ppm	0.4890 ppm
Concentration per Run	0.4583 ppm	5.1515 ppm	0.4969 ppm	0.4979 ppm	0.4792 ppm	0.4863 ppm	0.4900 ppm
Concentration per Run	0.4626 ppm	5.1861 ppm	0.4964 ppm	0.4985 ppm	0.4788 ppm	0.4881 ppm	0.4909 ppm
Recovery Percentage	91.875 %	98.245 %	99.463 %	99.381 %	95.869 %	97.224 %	97.996 %
Concentration RSD	0.6 %	0.5 %	0.2 %	0.4 %	0.1 %	0.4 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4879 ppm	103.5634 %	104.1753 %	100.5429 %	103.1928 %	103.9410 %	103.0843 %
Concentration per Run	0.4874 ppm	103.7080 %	104.1580 %	100.2474 %	103.2546 %	104.2787 %	102.9774 %
Concentration per Run	0.4877 ppm	102.9111 %	104.6297 %	101.0565 %	102.5928 %	103.8306 %	103.3310 %
Concentration per Run	0.4886 ppm	104.0711 %	103.7382 %	100.3249 %	103.7309 %	103.7138 %	102.9444 %
Recovery Percentage	97.576 %						
Concentration RSD	0.1 %	0.6 %	0.4 %	0.4 %	0.6 %	0.3 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

CCB

Sample: 9/11/2025 1:57:42 PM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0033 ppm	0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0051 ppm
Concentration per Run	-0.0005 ppm	-0.0062 ppm	0.0017 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0054 ppm
Concentration per Run	-0.0002 ppm	-0.0028 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0048 ppm
Concentration per Run	-0.0002 ppm	-0.0009 ppm	-0.0011 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0052 ppm
Recovery Percentage	-6.248 %	-3.272 %	1.513 %	0.835 %	1.210 %	1.490 %	5.130 %
Concentration RSD	62.7 %	82.5 %	1.886.0 %	164.5 %	47.1 %	14.4 %	6.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0010 ppm	0.0239 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0014 ppm	0.0121 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0001 ppm	-0.0004 ppm	0.0011 ppm	0.0375 ppm	0.0014 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0005 ppm	0.0221 ppm	0.0010 ppm
Recovery Percentage	3.157 %	-1.117 %	2.540 %	-2.452 %	2.047 %	0.957 %	6.896 %
Concentration RSD	30.0 %	172.2 %	51.3 %	59.3 %	44.9 %	53.3 %	138.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0381 ppm	0.0001 ppm	0.0001 ppm	0.0068 ppm
Concentration per Run	0.0007 ppm	0.0002 ppm	0.0002 ppm	0.0383 ppm	0.0008 ppm	-0.0001 ppm	0.0054 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0387 ppm	0.0000 ppm	-0.0001 ppm	0.0103 ppm
Concentration per Run	-0.0006 ppm	0.0001 ppm	0.0052 ppm	0.0373 ppm	-0.0005 ppm	0.0004 ppm	0.0048 ppm
Recovery Percentage	-0.007 %	1.084 %	10.074 %	1.905 %	0.403 %	0.768 %	13.662 %
Concentration RSD	9.362.2 %	51.5 %	5.3 %	2.0 %	602.8 %	407.0 %	43.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	0.0000 ppm	0.0026 ppm	0.0001 ppm	0.0007 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0038 ppm	-0.0004 ppm	0.0028 ppm	0.0001 ppm	0.0004 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0027 ppm	0.0007 ppm	0.0025 ppm	0.0000 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0041 ppm	-0.0004 ppm	0.0026 ppm	0.0001 ppm	0.0009 ppm	0.0007 ppm	-0.0001 ppm
Recovery Percentage	35.217 %	-0.005 %	5.267 %	0.940 %	6.536 %	2.850 %	-0.100 %
Concentration RSD	20.5 %	2.394.7 %	7.3 %	51.3 %	36.0 %	84.4 %	880.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	101.4235 %	100.6957 %	101.0155 %	103.0666 %	102.8690 %	102.4802 %
Concentration per Run	0.0007 ppm	101.6288 %	100.6261 %	100.8900 %	103.3080 %	103.7776 %	102.3695 %
Concentration per Run	0.0007 ppm	101.1279 %	101.1279 %	100.7864 %	102.2897 %	103.0240 %	102.4410 %
Concentration per Run	0.0006 ppm	102.0910 %	100.3332 %	101.3702 %	103.6022 %	101.8053 %	102.6301 %
Recovery Percentage	13.819 %	0.8 %	0.4 %	0.3 %	0.7 %	1.0 %	0.1 %
Concentration RSD	6.4 %						

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555251-17 WG2111067

Analysis started at: 9/11/2025 2:43:08 PM

Rack 1

Vial 35

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0135 ppm	0.0026 ppm	0.0221 ppm	0.0168 ppm	0.0000 ppm	16.2804 ppm
Concentration per Run	-0.0004 ppm	0.0119 ppm	0.0028 ppm	0.0217 ppm	0.0166 ppm	0.0000 ppm	16.3195 ppm
Concentration per Run	0.0000 ppm	0.0121 ppm	0.0041 ppm	0.0224 ppm	0.0168 ppm	0.0000 ppm	16.3036 ppm
Concentration per Run	-0.0005 ppm	0.0165 ppm	0.0009 ppm	0.0222 ppm	0.0168 ppm	0.0000 ppm	16.2181 ppm
Concentration RSD	74.8 %	19.1 %	61.4 %	1.6 %	0.8 %	32.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0020 ppm	0.0003 ppm	0.0003 ppm	2.6556 ppm	2.9507 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0021 ppm	0.0004 ppm	0.0002 ppm	2.6535 ppm	2.9493 ppm	0.0007 ppm
Concentration per Run	-0.0001 ppm	0.0022 ppm	0.0002 ppm	0.0003 ppm	2.6659 ppm	2.9549 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0017 ppm	0.0002 ppm	0.0003 ppm	2.6473 ppm	2.9478 ppm	-0.0002 ppm
Concentration RSD	43.5 %	13.1 %	34.0 %	12.1 %	0.4 %	0.1 %	202.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.5815 ppm	0.6203 ppm	0.0032 ppm	31.7212 ppm	0.0008 ppm	0.0004 ppm	0.0024 ppm
Concentration per Run	4.5757 ppm	0.6203 ppm	0.0032 ppm	31.4746 ppm	0.0004 ppm	0.0009 ppm	0.0030 ppm
Concentration per Run	4.5737 ppm	0.6237 ppm	0.0029 ppm	31.9364 ppm	0.0011 ppm	0.0004 ppm	0.0027 ppm
Concentration per Run	4.5951 ppm	0.6170 ppm	0.0035 ppm	31.7526 ppm	0.0008 ppm	-0.0001 ppm	0.0014 ppm
Concentration RSD	0.3 %	0.5 %	9.3 %	0.7 %	47.8 %	121.9 %	35.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	2.7944 ppm	0.0005 ppm	0.1151 ppm	0.0008 ppm	-0.0004 ppm	0.0002 ppm
Concentration per Run	0.0004 ppm	2.7901 ppm	0.0007 ppm	0.1145 ppm	0.0007 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run	0.0013 ppm	2.7911 ppm	-0.0001 ppm	0.1156 ppm	0.0009 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run	0.0010 ppm	2.8021 ppm	0.0011 ppm	0.1153 ppm	0.0008 ppm	-0.0003 ppm	0.0003 ppm
Concentration RSD	54.9 %	0.2 %	112.1 %	0.5 %	16.4 %	143.8 %	44.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0011 ppm	98.5365 %	105.2887 %	95.3644 %	97.0385 %	104.0499 %	97.1996 %
Concentration per Run	0.0009 ppm	98.2118 %	105.7230 %	95.6481 %	96.4230 %	104.3112 %	97.3338 %
Concentration per Run	0.0012 ppm	98.6543 %	104.4462 %	95.2149 %	97.3002 %	103.5026 %	97.4460 %
Concentration per Run	0.0012 ppm	98.7433 %	105.6970 %	95.2303 %	97.3923 %	104.3358 %	96.8190 %
Concentration RSD	13.7 %	0.3 %	0.7 %	0.3 %	0.6 %	0.5 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555433-01 WG2111067

Analysis started at: 9/11/2025 2:46:46 PM

Rack 1

Vial 36

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0011 ppm	0.0007 ppm	0.6806 ppm	0.0443 ppm	0.0000 ppm	58.0266 ppm
Concentration per Run	-0.0001 ppm	-0.0017 ppm	0.0004 ppm	0.6848 ppm	0.0441 ppm	0.0000 ppm	57.6536 ppm
Concentration per Run	-0.0008 ppm	-0.0056 ppm	0.0015 ppm	0.6793 ppm	0.0448 ppm	0.0000 ppm	58.5735 ppm
Concentration per Run	-0.0003 ppm	0.0039 ppm	0.0003 ppm	0.6777 ppm	0.0440 ppm	0.0000 ppm	57.8528 ppm
Concentration RSD	82.2 %	424.0 %	96.6 %	0.5 %	0.9 %	33.0 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	0.0008 ppm	0.0005 ppm	0.0145 ppm	0.5660 ppm	9.3910 ppm	0.0018 ppm
Concentration per Run	-0.0005 ppm	0.0009 ppm	0.0005 ppm	0.0146 ppm	0.5619 ppm	9.3818 ppm	0.0017 ppm
Concentration per Run	-0.0006 ppm	0.0009 ppm	0.0006 ppm	0.0146 ppm	0.5723 ppm	9.4414 ppm	0.0016 ppm
Concentration per Run	-0.0006 ppm	0.0007 ppm	0.0005 ppm	0.0145 ppm	0.5637 ppm	9.3498 ppm	0.0022 ppm
Concentration RSD	5.9 %	17.6 %	17.3 %	0.4 %	1.0 %	0.5 %	18.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.5170 ppm	0.0634 ppm	0.0044 ppm	257.6781 ppm	0.0040 ppm	0.0011 ppm	0.0006 ppm
Concentration per Run	6.5590 ppm	0.0632 ppm	0.0042 ppm	255.9961 ppm	0.0040 ppm	0.0019 ppm	0.0027 ppm
Concentration per Run	6.5026 ppm	0.0639 ppm	0.0042 ppm	259.7157 ppm	0.0045 ppm	0.0007 ppm	-0.0016 ppm
Concentration per Run	6.4893 ppm	0.0630 ppm	0.0048 ppm	257.3226 ppm	0.0034 ppm	0.0008 ppm	0.0007 ppm
Concentration RSD	0.6 %	0.8 %	8.9 %	0.7 %	14.4 %	61.2 %	357.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	3.7431 ppm	0.0016 ppm	0.3064 ppm	0.0001 ppm	0.0004 ppm	0.0008 ppm
Concentration per Run	0.0007 ppm	3.7602 ppm	0.0018 ppm	0.3054 ppm	-0.0001 ppm	-0.0006 ppm	0.0008 ppm
Concentration per Run	0.0008 ppm	3.7391 ppm	0.0017 ppm	0.3075 ppm	0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run	-0.0030 ppm	3.7301 ppm	0.0013 ppm	0.3062 ppm	0.0002 ppm	0.0017 ppm	0.0007 ppm
Concentration RSD	424.8 %	0.4 %	18.5 %	0.4 %	200.1 %	321.6 %	12.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.3091 ppm	94.2791 %	101.8822 %	87.2983 %	93.1969 %	100.6007 %	93.9501 %
Concentration per Run	2.3310 ppm	94.3198 %	101.9866 %	86.9151 %	93.3977 %	100.1031 %	93.5747 %
Concentration per Run	2.2994 ppm	94.2959 %	101.1883 %	87.6251 %	93.0535 %	101.3983 %	94.3273 %
Concentration per Run	2.2969 ppm	94.2215 %	102.4717 %	87.3546 %	93.1396 %	100.3006 %	93.9482 %
Concentration RSD	0.8 %	0.1 %	0.6 %	0.4 %	0.2 %	0.7 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555433-02 WG2111067

Analysis started at: 9/11/2025 2:50:13 PM

Rack 1

Vial 37

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0413 ppm	0.0006 ppm	0.0813 ppm	0.0208 ppm	0.0000 ppm	143.2418 ppm
Concentration per Run	-0.0005 ppm	0.0389 ppm	0.0015 ppm	0.0815 ppm	0.0207 ppm	0.0000 ppm	142.8418 ppm
Concentration per Run	-0.0003 ppm	0.0412 ppm	-0.0005 ppm	0.0810 ppm	0.0208 ppm	0.0000 ppm	143.4532 ppm
Concentration per Run	-0.0004 ppm	0.0439 ppm	0.0009 ppm	0.0813 ppm	0.0209 ppm	0.0000 ppm	143.4303 ppm
Concentration RSD	35.2 %	6.0 %	172.1 %	0.3 %	0.5 %	73.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0017 ppm	0.0024 ppm	0.0010 ppm	0.0012 ppm	0.1730 ppm	10.7330 ppm	0.0017 ppm
Concentration per Run	-0.0017 ppm	0.0023 ppm	0.0008 ppm	0.0011 ppm	0.1724 ppm	10.6550 ppm	0.0025 ppm
Concentration per Run	-0.0016 ppm	0.0026 ppm	0.0011 ppm	0.0014 ppm	0.1748 ppm	10.7674 ppm	0.0015 ppm
Concentration per Run	-0.0017 ppm	0.0024 ppm	0.0011 ppm	0.0012 ppm	0.1719 ppm	10.7766 ppm	0.0011 ppm
Concentration RSD	1.6 %	7.7 %	16.5 %	11.3 %	0.9 %	0.6 %	41.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	16.7274 ppm	0.0431 ppm	0.0014 ppm	423.6331 ppm	0.0530 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run	16.8194 ppm	0.0430 ppm	0.0012 ppm	421.1247 ppm	0.0535 ppm	0.0003 ppm	-0.0006 ppm
Concentration per Run	16.6390 ppm	0.0431 ppm	0.0016 ppm	424.2874 ppm	0.0527 ppm	0.0010 ppm	0.0010 ppm
Concentration per Run	16.7238 ppm	0.0431 ppm	0.0013 ppm	425.4871 ppm	0.0527 ppm	0.0021 ppm	0.0008 ppm
Concentration RSD	0.5 %	0.2 %	14.7 %	0.5 %	0.8 %	89.4 %	232.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	6.9409 ppm	-0.0008 ppm	0.2665 ppm	-0.0001 ppm	0.0010 ppm	0.0033 ppm
Concentration per Run	-0.0014 ppm	6.9832 ppm	-0.0006 ppm	0.2651 ppm	-0.0001 ppm	0.0010 ppm	0.0032 ppm
Concentration per Run	0.0028 ppm	6.9369 ppm	-0.0011 ppm	0.2677 ppm	-0.0001 ppm	0.0016 ppm	0.0034 ppm
Concentration per Run	-0.0003 ppm	6.9026 ppm	-0.0007 ppm	0.2667 ppm	-0.0001 ppm	0.0004 ppm	0.0033 ppm
Concentration RSD	589.3 %	0.6 %	32.7 %	0.5 %	29.7 %	60.5 %	2.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2090 ppm	90.1979 %	99.7635 %	82.8055 %	88.7652 %	98.3636 %	90.7070 %
Concentration per Run	0.2102 ppm	90.0166 %	99.8711 %	82.9236 %	89.0588 %	98.2997 %	90.7097 %
Concentration per Run	0.2086 ppm	90.2202 %	99.7562 %	82.6858 %	88.5113 %	98.4467 %	90.7188 %
Concentration per Run	0.2081 ppm	90.3569 %	99.6632 %	82.8071 %	88.7256 %	98.3444 %	90.6926 %
Concentration RSD	0.5 %	0.2 %	0.1 %	0.1 %	0.3 %	0.1 %	0.0 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555251-16 WG2111067

Analysis started at: 9/11/2025 2:53:37 PM

Rack 1

Vial 30

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0126 ppm	0.0014 ppm	0.0210 ppm	0.0162 ppm	0.0000 ppm	15.6398 ppm
Concentration per Run	-0.0006 ppm	0.0110 ppm	0.0014 ppm	0.0209 ppm	0.0163 ppm	0.0000 ppm	15.5599 ppm
Concentration per Run	-0.0003 ppm	0.0134 ppm	0.0017 ppm	0.0220 ppm	0.0162 ppm	0.0000 ppm	15.7202 ppm
Concentration per Run	-0.0004 ppm	0.0136 ppm	0.0010 ppm	0.0201 ppm	0.0162 ppm	0.0000 ppm	15.6393 ppm
Concentration RSD	34.3 %	11.3 %	24.6 %	4.6 %	0.2 %	35.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0016 ppm	0.0005 ppm	0.0011 ppm	2.4581 ppm	2.9336 ppm	0.0004 ppm
Concentration per Run	-0.0002 ppm	0.0014 ppm	0.0005 ppm	0.0010 ppm	2.4619 ppm	2.9536 ppm	0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0017 ppm	0.0004 ppm	0.0012 ppm	2.4515 ppm	2.9403 ppm	0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0017 ppm	0.0006 ppm	0.0010 ppm	2.4609 ppm	2.9068 ppm	0.0004 ppm
Concentration RSD	36.4 %	9.9 %	13.8 %	10.0 %	0.2 %	0.8 %	6.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.2401 ppm	0.5839 ppm	0.0000 ppm	30.0263 ppm	0.0015 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run	4.2493 ppm	0.5813 ppm	0.0002 ppm	30.0242 ppm	0.0015 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run	4.2336 ppm	0.5849 ppm	-0.0004 ppm	29.9849 ppm	0.0017 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run	4.2374 ppm	0.5855 ppm	0.0002 ppm	30.0698 ppm	0.0014 ppm	0.0003 ppm	-0.0008 ppm
Concentration RSD	0.2 %	0.4 %	10.039.1 %	0.1 %	9.1 %	132.2 %	1,047.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0015 ppm	2.6474 ppm	-0.0001 ppm	0.1103 ppm	0.0007 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run	0.0005 ppm	2.6489 ppm	-0.0002 ppm	0.1109 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	-0.0015 ppm	2.6537 ppm	0.0002 ppm	0.1101 ppm	0.0007 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	-0.0036 ppm	2.6395 ppm	-0.0003 ppm	0.1100 ppm	0.0007 ppm	-0.0006 ppm	0.0003 ppm
Concentration RSD	134.0 %	0.3 %	289.4 %	0.5 %	7.7 %	1,036.6 %	120.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0023 ppm	101.7558 ppm	105.4378 ppm	97.3049 ppm	100.6842 ppm	104.2983 ppm	100.4582 ppm
Concentration per Run	0.0025 ppm	101.7809 ppm	105.9751 ppm	97.5383 ppm	100.6204 ppm	104.8645 ppm	100.4139 ppm
Concentration per Run	0.0022 ppm	101.4668 ppm	105.3541 ppm	97.2761 ppm	100.5598 ppm	103.9599 ppm	100.4794 ppm
Concentration per Run	0.0021 ppm	102.0195 ppm	104.9843 ppm	97.1002 ppm	100.8723 ppm	104.0704 ppm	100.4815 ppm
Concentration RSD	7.7 %	0.3 %	0.5 %	0.2 %	0.2 %	0.5 %	0.0 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111067-3.WG2111067

Analysis started at: 9/11/2025 3:00:33 PM

Rack 1

Vial 31

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0426 ppm	2.0303 ppm	0.1237 ppm	1.0244 ppm	1.9445 ppm	0.0505 ppm	25.4775 ppm
Concentration per Run	0.0428 ppm	2.0274 ppm	0.1217 ppm	1.0268 ppm	1.9419 ppm	0.0504 ppm	25.3807 ppm
Concentration per Run	0.0423 ppm	2.0198 ppm	0.1257 ppm	1.0254 ppm	1.9274 ppm	0.0503 ppm	25.5606 ppm
Concentration per Run	0.0427 ppm	2.0437 ppm	0.1238 ppm	1.0208 ppm	1.9643 ppm	0.0508 ppm	25.4913 ppm
Concentration RSD	0.6 %	0.6 %	1.6 %	0.3 %	1.0 %	0.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0514 ppm	0.4805 ppm	0.1946 ppm	0.2548 ppm	3.4773 ppm	13.1792 ppm	0.0000 ppm
Concentration per Run	0.0514 ppm	0.4811 ppm	0.1949 ppm	0.2548 ppm	3.4628 ppm	13.1128 ppm	-0.0003 ppm
Concentration per Run	0.0512 ppm	0.4807 ppm	0.1939 ppm	0.2550 ppm	3.4710 ppm	13.1117 ppm	-0.0004 ppm
Concentration per Run	0.0515 ppm	0.4796 ppm	0.1948 ppm	0.2547 ppm	3.4982 ppm	13.3132 ppm	0.0005 ppm
Concentration RSD	0.4 %	0.2 %	0.3 %	0.1 %	0.5 %	0.9 %	1.011.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.1210 ppm	1.0770 ppm	0.9020 ppm	40.3482 ppm	0.4954 ppm	0.5168 ppm	0.4676 ppm
Concentration per Run	14.1573 ppm	1.0756 ppm	0.8941 ppm	40.2041 ppm	0.4962 ppm	0.5152 ppm	0.4642 ppm
Concentration per Run	14.0688 ppm	1.0784 ppm	0.9034 ppm	40.1919 ppm	0.4936 ppm	0.5190 ppm	0.4676 ppm
Concentration per Run	14.1369 ppm	1.0771 ppm	0.9085 ppm	40.6488 ppm	0.4965 ppm	0.5163 ppm	0.4710 ppm
Concentration RSD	0.3 %	0.1 %	0.8 %	0.6 %	0.3 %	0.4 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1221 ppm	3.5278 ppm	0.8925 ppm	1.0872 ppm	0.9656 ppm	0.1196 ppm	0.5075 ppm
Concentration per Run	0.1192 ppm	3.5267 ppm	0.8975 ppm	1.0815 ppm	0.9675 ppm	0.1181 ppm	0.5080 ppm
Concentration per Run	0.1238 ppm	3.5305 ppm	0.8882 ppm	1.0850 ppm	0.9639 ppm	0.1196 ppm	0.5071 ppm
Concentration per Run	0.1234 ppm	3.5263 ppm	0.8919 ppm	1.0950 ppm	0.9654 ppm	0.1210 ppm	0.5073 ppm
Concentration RSD	2.1 %	0.1 %	0.5 %	0.6 %	0.2 %	1.2 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4915 ppm	98.2922 %	104.3734 %	92.6382 %	96.7741 %	102.8570 %	96.6760 %
Concentration per Run	0.4950 ppm	98.3411 %	105.1732 %	93.1070 %	96.5785 %	103.4896 %	96.7681 %
Concentration per Run	0.4890 ppm	98.3007 %	104.0151 %	92.4593 %	97.0049 %	102.2973 %	96.5883 %
Concentration per Run	0.4907 ppm	98.2348 %	103.9318 %	92.3484 %	96.7388 %	102.7840 %	96.6717 %
Concentration RSD	0.6 %	0.1 %	0.7 %	0.4 %	0.2 %	0.6 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111067-4.WG2111067

Analysis started at: 9/11/2025 3:04:11 PM

Rack 1

Vial 32

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0140 ppm	0.0019 ppm	0.0215 ppm	0.0160 ppm	0.0000 ppm	15.4048 ppm
Concentration per Run	-0.0005 ppm	0.0155 ppm	0.0025 ppm	0.0220 ppm	0.0160 ppm	0.0000 ppm	15.4156 ppm
Concentration per Run	-0.0002 ppm	0.0123 ppm	0.0021 ppm	0.0210 ppm	0.0161 ppm	0.0000 ppm	15.4367 ppm
Concentration per Run	-0.0007 ppm	0.0140 ppm	0.0010 ppm	0.0214 ppm	0.0159 ppm	0.0000 ppm	15.3620 ppm
Concentration RSD	47.5 %	11.4 %	40.2 %	2.2 %	0.6 %	24.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0016 ppm	0.0004 ppm	0.0010 ppm	2.4275 ppm	2.8647 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	0.0021 ppm	0.0004 ppm	0.0010 ppm	2.4249 ppm	2.8782 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0011 ppm	0.0004 ppm	0.0010 ppm	2.4389 ppm	2.8738 ppm	-0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0015 ppm	0.0007 ppm	0.0011 ppm	2.4188 ppm	2.8421 ppm	0.0000 ppm
Concentration RSD	114.8 %	30.1 %	97.0 %	6.4 %	0.4 %	0.7 %	223.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.2177 ppm	0.5749 ppm	0.0131 ppm	29.3603 ppm	0.0025 ppm	0.0009 ppm	0.0064 ppm
Concentration per Run	4.2370 ppm	0.5755 ppm	0.0130 ppm	29.4284 ppm	0.0023 ppm	0.0014 ppm	0.0079 ppm
Concentration per Run	4.2111 ppm	0.5787 ppm	0.0131 ppm	29.3941 ppm	0.0025 ppm	0.0010 ppm	0.0062 ppm
Concentration per Run	4.2050 ppm	0.5724 ppm	0.0131 ppm	29.2585 ppm	0.0026 ppm	0.0003 ppm	0.0052 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	0.3 %	5.8 %	64.3 %	21.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0001 ppm	2.5990 ppm	0.0132 ppm	0.1084 ppm	0.0017 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run	-0.0009 ppm	2.6109 ppm	0.0138 ppm	0.1084 ppm	0.0017 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run	0.0007 ppm	2.5978 ppm	0.0133 ppm	0.1087 ppm	0.0018 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run	-0.0002 ppm	2.5884 ppm	0.0126 ppm	0.1081 ppm	0.0016 ppm	-0.0001 ppm	0.0002 ppm
Concentration RSD	737.4 %	0.4 %	4.3 %	0.3 %	6.0 %	121.8 %	53.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0029 ppm	102.4844 %	106.5296 %	98.4315 %	101.6973 %	105.4198 %	101.6597 %
Concentration per Run	0.0030 ppm	102.3966 %	106.3768 %	98.0620 %	101.6691 %	105.9708 %	101.4198 %
Concentration per Run	0.0028 ppm	102.1195 %	106.5381 %	98.8184 %	101.5670 %	105.4847 %	101.9982 %
Concentration per Run	0.0028 ppm	102.9371 %	106.6737 %	98.4140 %	101.8558 %	104.8040 %	101.5611 %
Concentration RSD	3.3 %	0.4 %	0.1 %	0.4 %	0.1 %	0.6 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111067-5 WG2111067

Analysis started at: 9/11/2025 3:07:37 PM

Rack 1

Vial 33

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0473 ppm	1.9744 ppm	0.1208 ppm	0.9865 ppm	1.8906 ppm	0.0492 ppm	25.0200 ppm
Concentration per Run	0.0474 ppm	1.9857 ppm	0.1222 ppm	0.9901 ppm	1.9140 ppm	0.0495 ppm	24.8733 ppm
Concentration per Run	0.0475 ppm	1.9726 ppm	0.1185 ppm	0.9837 ppm	1.8813 ppm	0.0492 ppm	25.1392 ppm
Concentration per Run	0.0471 ppm	1.9648 ppm	0.1217 ppm	0.9858 ppm	1.8765 ppm	0.0490 ppm	25.0474 ppm
Concentration RSD	0.4 %	0.5 %	1.6 %	0.3 %	1.1 %	0.6 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0505 ppm	0.4693 ppm	0.1916 ppm	0.2449 ppm	3.3401 ppm	12.8207 ppm	0.0002 ppm
Concentration per Run	0.0504 ppm	0.4718 ppm	0.1912 ppm	0.2462 ppm	3.3508 ppm	12.9161 ppm	0.0004 ppm
Concentration per Run	0.0506 ppm	0.4676 ppm	0.1931 ppm	0.2441 ppm	3.3450 ppm	12.8108 ppm	0.0002 ppm
Concentration per Run	0.0506 ppm	0.4686 ppm	0.1905 ppm	0.2445 ppm	3.3244 ppm	12.7353 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.5 %	0.7 %	0.5 %	0.4 %	0.7 %	116.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	13.7961 ppm	1.0459 ppm	0.8939 ppm	38.9098 ppm	0.4826 ppm	0.5112 ppm	0.3035 ppm
Concentration per Run	13.8022 ppm	1.0448 ppm	0.8871 ppm	39.0306 ppm	0.4821 ppm	0.5132 ppm	0.3020 ppm
Concentration per Run	13.8092 ppm	1.0482 ppm	0.8958 ppm	39.0405 ppm	0.4854 ppm	0.5093 ppm	0.3032 ppm
Concentration per Run	13.7768 ppm	1.0468 ppm	0.8989 ppm	38.6583 ppm	0.4804 ppm	0.5111 ppm	0.3053 ppm
Concentration RSD	0.1 %	0.1 %	0.7 %	0.6 %	0.5 %	0.4 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1144 ppm	3.1982 ppm	0.9016 ppm	1.0730 ppm	0.9684 ppm	0.1170 ppm	0.4979 ppm
Concentration per Run	0.1147 ppm	3.2056 ppm	0.8966 ppm	1.0805 ppm	0.9677 ppm	0.1168 ppm	0.4988 ppm
Concentration per Run	0.1140 ppm	3.1977 ppm	0.9084 ppm	1.0690 ppm	0.9700 ppm	0.1172 ppm	0.4968 ppm
Concentration per Run	0.1146 ppm	3.1914 ppm	0.8999 ppm	1.0695 ppm	0.9674 ppm	0.1171 ppm	0.4979 ppm
Concentration RSD	0.3 %	0.2 %	0.7 %	0.6 %	0.1 %	0.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4810 ppm	100.3913 %	105.2564 %	94.1976 %	99.4928 %	103.8949 %	99.5717 %
Concentration per Run	0.4782 ppm	100.5456 %	105.4297 %	94.1554 %	99.7430 %	103.6306 %	99.6638 %
Concentration per Run	0.4867 ppm	100.1089 %	105.2076 %	94.5253 %	98.9854 %	104.7635 %	99.8743 %
Concentration per Run	0.4781 ppm	100.5195 %	105.1319 %	93.9122 %	99.7499 %	103.2907 %	99.1770 %
Concentration RSD	1.0 %	0.2 %	0.1 %	0.3 %	0.4 %	0.7 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111067-6d5 WG2111067

Analysis started at: 9/11/2025 3:11:02 PM

Rack 1

Vial 34

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0019 ppm	-0.0003 ppm	0.0052 ppm	0.0032 ppm	0.0000 ppm	3.0923 ppm
Concentration per Run	-0.0005 ppm	-0.0031 ppm	0.0011 ppm	0.0031 ppm	0.0011 ppm	0.0000 ppm	3.0856 ppm
Concentration per Run	-0.0005 ppm	0.0003 ppm	-0.0006 ppm	0.0049 ppm	0.0032 ppm	0.0001 ppm	3.1006 ppm
Concentration per Run	-0.0001 ppm	-0.0031 ppm	-0.0013 ppm	0.0047 ppm	0.0033 ppm	0.0000 ppm	3.0906 ppm
Concentration RSD	59.5 %	101.7 %	411.8 %	14.4 %	1.4 %	39.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0004 ppm	0.0003 ppm	-0.0001 ppm	0.4876 ppm	0.5950 ppm	0.0008 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm	0.4857 ppm	0.6084 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0003 ppm	-0.0001 ppm	0.4883 ppm	0.5820 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.4888 ppm	0.5945 ppm	0.0004 ppm
Concentration RSD	8218.4 %	49.8 %	44.5 %	39.9 %	0.3 %	2.2 %	42.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.8256 ppm	0.1141 ppm	0.0168 ppm	5.9691 ppm	0.0005 ppm	0.0006 ppm	0.0447 ppm
Concentration per Run	0.8247 ppm	0.1136 ppm	0.0168 ppm	5.9355 ppm	-0.0003 ppm	0.0014 ppm	0.0447 ppm
Concentration per Run	0.8194 ppm	0.1146 ppm	0.0170 ppm	5.9735 ppm	0.0007 ppm	0.0001 ppm	0.0442 ppm
Concentration per Run	0.8327 ppm	0.1142 ppm	0.0165 ppm	5.9982 ppm	0.0009 ppm	0.0002 ppm	0.0451 ppm
Concentration RSD	0.8 %	0.5 %	1.4 %	0.5 %	147.5 %	127.2 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	0.4943 ppm	0.0343 ppm	0.0213 ppm	0.0015 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.4960 ppm	0.0358 ppm	0.0213 ppm	0.0015 ppm	-0.0007 ppm	0.0003 ppm
Concentration per Run	0.0004 ppm	0.4900 ppm	0.0342 ppm	0.0214 ppm	0.0015 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run	0.0003 ppm	0.4968 ppm	0.0328 ppm	0.0213 ppm	0.0016 ppm	-0.0001 ppm	0.0001 ppm
Concentration RSD	49.4 %	0.8 %	4.5 %	0.3 %	1.6 %	1,715.0 %	85.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	103.6236 %	104.6806 %	101.1237 %	103.2341 %	103.9917 %	102.3712 %
Concentration per Run	0.0009 ppm	103.4899 %	104.8563 %	101.3674 %	103.0205 %	104.0161 %	102.7935 %
Concentration per Run	0.0007 ppm	103.9329 %	104.3609 %	100.8821 %	103.3894 %	104.4254 %	102.1817 %
Concentration per Run	0.0008 ppm	103.4480 %	104.8247 %	101.1216 %	103.2925 %	103.5337 %	102.1386 %
Concentration RSD	16.5 %	0.3 %	0.3 %	0.2 %	0.2 %	0.4 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

CCV

Sample: 9/11/2025 3:15:58 PM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4789 ppm	0.4728 ppm		0.4773 ppm	0.4765 ppm	0.4969 ppm	0.4936 ppm
Concentration per Run	0.4803 ppm	0.4732 ppm		0.4747 ppm	0.4755 ppm	0.4974 ppm	0.5000 ppm
Concentration per Run	0.4774 ppm	0.4732 ppm		0.4743 ppm	0.4768 ppm	0.4986 ppm	0.4893 ppm
Concentration per Run	0.4790 ppm	0.4719 ppm		0.4786 ppm	0.4773 ppm	0.4948 ppm	0.4915 ppm
Recovery Percentage	95.773 %	94.552 %		95.454 %	95.302 %	99.385 %	98.718 %
Concentration RSD	0.3 %	0.2 %		0.5 %	0.2 %	0.4 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4959 ppm	0.4905 ppm		0.4929 ppm	0.4909 ppm	5.0148 ppm	0.5118 ppm
Concentration per Run	0.4977 ppm	0.4926 ppm		0.4940 ppm	0.4944 ppm	5.0511 ppm	0.5118 ppm
Concentration per Run	0.4916 ppm	0.4880 ppm		0.4909 ppm	0.4897 ppm	5.0308 ppm	0.5169 ppm
Concentration per Run	0.4984 ppm	0.4910 ppm		0.4938 ppm	0.4886 ppm	4.9624 ppm	0.5066 ppm
Recovery Percentage	99.179 %	98.106 %		98.586 %	98.185 %	100.295 %	102.352 %
Concentration RSD	0.8 %	0.5 %		0.4 %	0.6 %	0.9 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4920 ppm	0.4995 ppm		0.4819 ppm	0.4992 ppm	0.4849 ppm	0.5187 ppm
Concentration per Run	0.4918 ppm	0.5023 ppm		0.4818 ppm	0.5004 ppm	0.4850 ppm	0.5224 ppm
Concentration per Run	0.4900 ppm	0.4990 ppm		0.4789 ppm	0.4970 ppm	0.4838 ppm	0.5130 ppm
Concentration per Run	0.4942 ppm	0.4972 ppm		0.4848 ppm	0.5001 ppm	0.4860 ppm	0.5208 ppm
Recovery Percentage	98.398 %	99.902 %		96.373 %	101.231 %	96.981 %	103.744 %
Concentration RSD	0.4 %	0.5 %		0.6 %	0.4 %	0.2 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4679 ppm	5.2503 ppm		0.4977 ppm	0.4851 ppm	0.4938 ppm	0.4968 ppm
Concentration per Run	0.4666 ppm	5.2408 ppm		0.4960 ppm	0.4859 ppm	0.4941 ppm	0.4978 ppm
Concentration per Run	0.4679 ppm	5.2301 ppm		0.4962 ppm	0.4809 ppm	0.4947 ppm	0.4954 ppm
Concentration per Run	0.4692 ppm	5.2799 ppm		0.4986 ppm	0.4885 ppm	0.4927 ppm	0.4973 ppm
Recovery Percentage	93.585 %	100.006 %		99.546 %	97.023 %	98.766 %	99.368 %
Concentration RSD	0.3 %	0.5 %		0.3 %	0.8 %	0.2 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4905 ppm	102.6615 %		98.8856 %	101.9044 %	102.7842 %	101.5793 %
Concentration per Run	0.4928 ppm	102.3825 %		99.4389 %	101.6614 %	102.1684 %	102.1446 %
Concentration per Run	0.4851 ppm	103.9934 %		98.7098 %	102.0607 %	102.5850 %	101.3765 %
Concentration per Run	0.4935 ppm	102.5086 %		98.5080 %	101.9912 %	103.5992 %	101.2168 %
Recovery Percentage	98.097 %						
Concentration RSD	1.0 %	0.4 %		0.5 %	0.2 %	0.7 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 3:19:23 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0059 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0056 ppm
Concentration per Run	-0.0003 ppm	-0.0063 ppm	-0.0003 ppm	-0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0078 ppm
Concentration per Run	-0.0002 ppm	-0.0042 ppm	0.0000 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run	-0.0003 ppm	-0.0072 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0063 ppm
Recovery Percentage	-4.911 %	-5.927 %	-3.532 %	1.124 %	0.469 %	1.616 %	5.586 %
Concentration RSD	24.2 %	25.7 %	370.1 %	160.9 %	38.1 %	46.5 %	48.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0020 ppm	0.0298 ppm	0.0001 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0021 ppm	0.0174 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0022 ppm	0.0315 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0018 ppm	0.0404 ppm	0.0003 ppm
Recovery Percentage	3.440 %	1.200 %	2.097 %	-1.344 %	4.075 %	1.191 %	1.118 %
Concentration RSD	39.5 %	38.5 %	64.0 %	86.4 %	9.0 %	38.8 %	341.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0017 ppm	0.0002 ppm	0.0002 ppm	0.0054 ppm	0.0002 ppm	0.0002 ppm	0.0050 ppm
Concentration per Run	0.0023 ppm	0.0002 ppm	0.0002 ppm	0.0321 ppm	0.0003 ppm	0.0008 ppm	0.0062 ppm
Concentration per Run	0.0020 ppm	0.0002 ppm	0.0002 ppm	0.0053 ppm	-0.0001 ppm	-0.0005 ppm	0.0033 ppm
Concentration per Run	0.0006 ppm	0.0002 ppm	0.0002 ppm	0.0389 ppm	0.0004 ppm	0.0003 ppm	0.0056 ppm
Recovery Percentage	1.651 %	1.849 %	10.815 %	1.815 %	0.757 %	2.230 %	10.000 %
Concentration RSD	53.9 %	12.2 %	2.5 %	10.1 %	135.1 %	299.0 %	30.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	-0.0002 ppm	0.0043 ppm	0.0001 ppm	0.0008 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0031 ppm	0.0009 ppm	0.0045 ppm	0.0002 ppm	0.0009 ppm	0.0018 ppm	0.0001 ppm
Concentration per Run	0.0029 ppm	0.0003 ppm	0.0043 ppm	0.0001 ppm	0.0007 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0018 ppm	-0.0017 ppm	0.0043 ppm	0.0001 ppm	0.0008 ppm	0.0010 ppm	0.0001 ppm
Recovery Percentage	25.784 %	-0.033 %	8.700 %	1.400 %	7.621 %	6.128 %	0.148 %
Concentration RSD	27.1 %	807.0 %	2.3 %	19.6 %	13.8 %	42.0 %	922.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	101.4665 %	101.7485 %	100.6159 %	102.5050 %	103.2711 %	102.3111 %
Concentration per Run	0.0006 ppm	100.9856 %	102.0407 %	100.6649 %	102.0343 %	103.4200 %	102.3339 %
Concentration per Run	0.0006 ppm	101.3931 %	101.8791 %	101.0847 %	102.2565 %	103.6521 %	102.6318 %
Concentration per Run	0.0007 ppm	102.0209 %	101.3256 %	100.0981 %	103.2241 %	102.7414 %	101.9677 %
Recovery Percentage	13.023 %						
Concentration RSD	11.9 %	0.5 %	0.4 %	0.5 %	0.6 %	0.5 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112034-1 WG2112034
Analysis started at: 9/11/2025 3:39:51 PM
Rack 1
Vial 38
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0010 ppm	-0.0011 ppm	-0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0160 ppm
Concentration per Run	-0.0003 ppm	0.0029 ppm	-0.0014 ppm	-0.0029 ppm	0.0001 ppm	0.0000 ppm	0.0165 ppm
Concentration per Run	-0.0003 ppm	-0.0041 ppm	-0.0017 ppm	-0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0152 ppm
Concentration per Run	-0.0002 ppm	-0.0017 ppm	-0.0002 ppm	-0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0161 ppm
Recovery Percentage	-4.804 %	-1.000 %	-21.690 %	-2.291 %	0.527 %	0.648 %	15.966 %
Concentration RSD	32.4 %	357.7 %	73.3 %	49.4 %	79.2 %	49.3 %	4.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0087 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0027 ppm	0.0050 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0017 ppm	0.0049 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0028 ppm	0.0161 ppm	0.0002 ppm
Recovery Percentage	0.060 %	-0.013 %	0.996 %	1.548 %	4.788 %	0.346 %	-0.712 %
Concentration RSD	1,022.9 %	9,815.6 %	187.9 %	76.6 %	25.7 %	74.4 %	332.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0007 ppm	0.0001 ppm	0.0022 ppm	0.0156 ppm	0.0001 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	0.0006 ppm	0.0001 ppm	0.0020 ppm	0.0180 ppm	0.0006 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run	0.0013 ppm	0.0002 ppm	0.0026 ppm	0.0163 ppm	0.0002 ppm	0.0009 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0020 ppm	0.0126 ppm	-0.0004 ppm	0.0012 ppm	-0.0007 ppm
Recovery Percentage	0.701 %	1.325 %	4.459 %	0.781 %	0.462 %	7.912 %	1.176 %
Concentration RSD	84.3 %	45.9 %	15.4 %	17.6 %	440.0 %	58.9 %	206.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	0.0077 ppm	0.0011 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run	-0.0008 ppm	0.0066 ppm	0.0012 ppm	0.0001 ppm	0.0003 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	-0.0003 ppm	0.0089 ppm	0.0009 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run	-0.0004 ppm	0.0077 ppm	0.0012 ppm	0.0001 ppm	0.0004 ppm	-0.0003 ppm	-0.0002 ppm
Recovery Percentage	-4.694 %	1.541 %	2.149 %	0.934 %	2.915 %	0.870 %	-1.712 %
Concentration RSD	55.9 %	14.7 %	18.3 %	46.0 %	23.4 %	351.0 %	94.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0036 ppm	100.0668 %	102.8321 %	101.3897 %	100.5667 %	103.8826 %	100.8665 %
Concentration per Run	0.0036 ppm	99.7463 %	102.9303 %	101.7030 %	100.6358 %	103.6944 %	101.1411 %
Concentration per Run	0.0035 ppm	100.1355 %	102.2605 %	101.2452 %	100.3064 %	103.0618 %	100.6242 %
Concentration per Run	0.0037 ppm	100.3186 %	103.3055 %	101.2207 %	100.7579 %	104.8916 %	100.8343 %
Recovery Percentage	71.790 %						
Concentration RSD	3.3 %	0.3 %	0.5 %	0.3 %	0.2 %	0.9 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112034-2 WG2112034

Analysis started at: 9/11/2025 3:43:30 PM

Rack 1

Vial 39

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0533 ppm	2.0471 ppm	0.1182 ppm	0.9781 ppm	1.9805 ppm	0.0509 ppm	10.0249 ppm
Concentration per Run	0.0533 ppm	2.0452 ppm	0.1198 ppm	0.9752 ppm	1.9804 ppm	0.0506 ppm	10.0218 ppm
Concentration per Run	0.0532 ppm	2.0379 ppm	0.1164 ppm	0.9784 ppm	1.9756 ppm	0.0510 ppm	9.9858 ppm
Concentration per Run	0.0534 ppm	2.0582 ppm	0.1185 ppm	0.9806 ppm	1.9856 ppm	0.0511 ppm	10.0670 ppm
Concentration RSD	0.2 %	0.5 %	1.5 %	0.3 %	0.3 %	0.6 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0531 ppm	0.4957 ppm	0.2007 ppm	0.2531 ppm	1.0011 ppm	10.2835 ppm	-0.0004 ppm
Concentration per Run	0.0532 ppm	0.4952 ppm	0.2004 ppm	0.2525 ppm	0.9980 ppm	10.2732 ppm	0.0004 ppm
Concentration per Run	0.0529 ppm	0.4963 ppm	0.2001 ppm	0.2535 ppm	1.0013 ppm	10.2672 ppm	-0.0007 ppm
Concentration per Run	0.0532 ppm	0.4957 ppm	0.2015 ppm	0.2532 ppm	1.0040 ppm	10.3101 ppm	-0.0008 ppm
Concentration RSD	0.3 %	0.1 %	0.4 %	0.2 %	0.3 %	0.2 %	174.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.1313 ppm	0.5061 ppm	0.9372 ppm	10.5390 ppm	0.5091 ppm	0.5271 ppm	0.3975 ppm
Concentration per Run	10.1044 ppm	0.5044 ppm	0.9312 ppm	10.5069 ppm	0.5063 ppm	0.5248 ppm	0.3935 ppm
Concentration per Run	10.1347 ppm	0.5048 ppm	0.9357 ppm	10.5032 ppm	0.5084 ppm	0.5264 ppm	0.3965 ppm
Concentration per Run	10.1547 ppm	0.5093 ppm	0.9447 ppm	10.6067 ppm	0.5126 ppm	0.5302 ppm	0.4026 ppm
Concentration RSD	0.3 %	0.5 %	0.7 %	0.6 %	0.6 %	0.5 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1157 ppm	0.8937 ppm	0.9348 ppm	1.0016 ppm	0.9875 ppm	0.1217 ppm	0.5167 ppm
Concentration per Run	0.1137 ppm	0.8922 ppm	0.9326 ppm	0.9997 ppm	0.9878 ppm	0.1214 ppm	0.5174 ppm
Concentration per Run	0.1160 ppm	0.8926 ppm	0.9343 ppm	0.9979 ppm	0.9878 ppm	0.1206 ppm	0.5171 ppm
Concentration per Run	0.1174 ppm	0.8964 ppm	0.9375 ppm	1.0070 ppm	0.9870 ppm	0.1231 ppm	0.5155 ppm
Concentration RSD	1.6 %	0.3 %	0.3 %	0.5 %	0.0 %	1.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5015 ppm	101.4215 %	104.7591 %	96.4294 %	101.1684 %	103.9010 %	100.6812 %
Concentration per Run	0.5003 ppm	101.2266 %	105.0831 %	96.3211 %	100.8813 %	103.9005 %	100.5421 %
Concentration per Run	0.5006 ppm	101.7186 %	105.1486 %	96.7881 %	101.4436 %	103.5929 %	101.0225 %
Concentration per Run	0.5036 ppm	101.3193 %	104.0454 %	96.1788 %	101.1802 %	104.2095 %	100.4791 %
Concentration RSD	0.4 %	0.3 %	0.6 %	0.3 %	0.3 %	0.3 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555524-01 WG2112034

Analysis started at: 9/11/2025 3:46:53 PM

Rack 1

Vial 50

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0064 ppm	0.0003 ppm	0.0201 ppm	0.0142 ppm	0.0004 ppm	137.5957 ppm
Concentration per Run	-0.0001 ppm	0.0109 ppm	0.0015 ppm	0.0191 ppm	0.0142 ppm	0.0004 ppm	137.6251 ppm
Concentration per Run	0.0001 ppm	0.0031 ppm	0.0011 ppm	0.0203 ppm	0.0142 ppm	0.0004 ppm	138.1098 ppm
Concentration per Run	-0.0002 ppm	0.0052 ppm	-0.0019 ppm	0.0209 ppm	0.0143 ppm	0.0004 ppm	137.0523 ppm
Concentration RSD	192.7 %	63.2 %	712.4 %	4.5 %	0.3 %	4.0 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0012 ppm	0.0212 ppm	-0.0001 ppm	0.0011 ppm	40.8034 ppm	11.4286 ppm	0.0255 ppm
Concentration per Run	-0.0012 ppm	0.0210 ppm	-0.0001 ppm	0.0011 ppm	40.7396 ppm	11.4205 ppm	0.0270 ppm
Concentration per Run	-0.0012 ppm	0.0218 ppm	-0.0002 ppm	0.0009 ppm	40.9692 ppm	11.4494 ppm	0.0248 ppm
Concentration per Run	-0.0012 ppm	0.0207 ppm	-0.0001 ppm	0.0012 ppm	40.7014 ppm	11.4160 ppm	0.0250 ppm
Concentration RSD	2.1 %	2.9 %	14.7 %	13.6 %	0.4 %	0.2 %	5.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	71.0566 ppm	1.2507 ppm	0.0110 ppm	53.8065 ppm	0.0867 ppm	0.0004 ppm	0.0119 ppm
Concentration per Run	71.6449 ppm	1.2507 ppm	0.0111 ppm	53.6293 ppm	0.0877 ppm	0.0009 ppm	0.0130 ppm
Concentration per Run	70.7374 ppm	1.2540 ppm	0.0110 ppm	54.1621 ppm	0.0863 ppm	0.0007 ppm	0.0103 ppm
Concentration per Run	70.7875 ppm	1.2473 ppm	0.0109 ppm	53.6282 ppm	0.0860 ppm	-0.0003 ppm	0.0124 ppm
Concentration RSD	0.7 %	0.3 %	0.5 %	0.6 %	1.1 %	158.8 %	11.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	20.8739 [SIC 200]	0.0117 ppm	0.8465 ppm	0.0009 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run	-0.0004 ppm	20.9616 ppm	0.0116 ppm	0.8459 ppm	0.0010 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run	-0.0007 ppm	20.8707 ppm	0.0119 ppm	0.8482 ppm	0.0009 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run	0.0020 ppm	20.7893 ppm	0.0117 ppm	0.8455 ppm	0.0009 ppm	-0.0010 ppm	0.0002 ppm
Concentration RSD	536.0 %	0.4 %	1.2 %	0.2 %	5.0 %	838.5 %	91.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0813 ppm	97.5397 %	103.2981 %	88.7491 %	97.9754 %	103.6094 %	97.3774 %
Concentration per Run	0.0823 ppm	97.1330 %	103.1591 %	88.6493 %	97.5535 %	103.3184 %	97.5251 %
Concentration per Run	0.0810 ppm	97.7532 %	102.7814 %	88.9213 %	98.2103 %	103.3822 %	97.4215 %
Concentration per Run	0.0807 ppm	97.7329 %	103.9539 %	88.6766 %	98.1624 %	104.1275 %	97.1858 %
Concentration RSD	1.0 %	0.4 %	0.6 %	0.2 %	0.4 %	0.4 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555524-02 WG2112034

Analysis started at: 9/11/2025 3:50:18 PM

Rack 1

Vial 51

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	2.0349 ppm	0.0001 ppm	0.0558 ppm	0.0315 ppm	0.0021 ppm	15.3475 ppm
Concentration per Run	-0.0003 ppm	2.0262 ppm	-0.0004 ppm	0.0562 ppm	0.0313 ppm	0.0021 ppm	15.1801 ppm
Concentration per Run	-0.0005 ppm	2.0343 ppm	-0.0008 ppm	0.0550 ppm	0.0315 ppm	0.0021 ppm	15.4230 ppm
Concentration per Run	-0.0004 ppm	2.0442 ppm	0.0014 ppm	0.0562 ppm	0.0318 ppm	0.0021 ppm	15.4393 ppm
Concentration RSD	22.4 %	0.4 %	1.809.2 %	1.3 %	0.7 %	1.5 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0218 ppm	0.0005 ppm	0.0004 ppm	1.6771 ppm	2.6251 ppm	0.0369 ppm
Concentration per Run	0.0003 ppm	0.0222 ppm	0.0004 ppm	0.0007 ppm	1.6552 ppm	2.6176 ppm	0.0375 ppm
Concentration per Run	0.0004 ppm	0.0218 ppm	0.0005 ppm	0.0003 ppm	1.6831 ppm	2.6296 ppm	0.0364 ppm
Concentration per Run	0.0003 ppm	0.0215 ppm	0.0007 ppm	0.0001 ppm	1.6929 ppm	2.6282 ppm	0.0368 ppm
Concentration RSD	14.1 %	1.8 %	22.7 %	77.7 %	1.2 %	0.2 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	7.7636 ppm	0.7555 ppm	0.0028 ppm	17.8756 ppm	0.0289 ppm	0.0027 ppm	0.0034 ppm
Concentration per Run	7.7797 ppm	0.7466 ppm	0.0026 ppm	17.7481 ppm	0.0290 ppm	0.0026 ppm	0.0023 ppm
Concentration per Run	7.7097 ppm	0.7580 ppm	0.0027 ppm	17.9459 ppm	0.0291 ppm	0.0032 ppm	0.0053 ppm
Concentration per Run	7.8014 ppm	0.7619 ppm	0.0032 ppm	17.9327 ppm	0.0286 ppm	0.0023 ppm	0.0027 ppm
Concentration RSD	0.6 %	1.1 %	11.8 %	0.6 %	0.8 %	17.3 %	47.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	14.3365 ppm	0.0031 ppm	0.1642 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	-0.0010 ppm	14.3503 ppm	0.0030 ppm	0.1626 ppm	0.0003 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run	0.0007 ppm	14.3176 ppm	0.0037 ppm	0.1648 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	0.0010 ppm	14.3416 ppm	0.0026 ppm	0.1654 ppm	0.0005 ppm	-0.0001 ppm	-0.0001 ppm
Concentration RSD	427.4 %	0.1 %	17.4 %	0.9 %	28.3 %	4.629.6 %	912.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0599 ppm	102.3420 ppm	105.3107 ppm	97.8813 ppm	103.3914 ppm	106.0898 ppm	103.1666 ppm
Concentration per Run	0.0599 ppm	102.6297 ppm	106.4238 ppm	97.7145 ppm	103.4509 ppm	106.1758 ppm	103.1581 ppm
Concentration per Run	0.0602 ppm	102.3335 ppm	105.0359 ppm	98.0391 ppm	103.2508 ppm	105.9703 ppm	103.2110 ppm
Concentration per Run	0.0595 ppm	102.0626 ppm	104.4725 ppm	97.8904 ppm	103.4724 ppm	106.1233 ppm	103.1308 ppm
Concentration RSD	0.6 %	0.3 %	1.0 %	0.2 %	0.1 %	0.1 %	0.0 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555524-03 WG2112034

Analysis started at: 9/11/2025 3:53:42 PM

Rack 1

Vial 52

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.0128 ppm	0.0008 ppm	0.1550 ppm	0.0297 ppm	0.0011 ppm	322.2630 ppm
Concentration per Run	-0.0009 ppm	0.0128 ppm	-0.0005 ppm	0.1549 ppm	0.0296 ppm	0.0010 ppm	322.5371 ppm
Concentration per Run	-0.0008 ppm	0.0153 ppm	0.0012 ppm	0.1546 ppm	0.0297 ppm	0.0011 ppm	321.8977 ppm
Concentration per Run	-0.0006 ppm	0.0104 ppm	0.0016 ppm	0.1555 ppm	0.0299 ppm	0.0011 ppm	322.3541 ppm
Concentration RSD	18.5 %	19.2 %	147.2 %	0.3 %	0.5 %	1.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0020 ppm	0.0528 ppm	0.0004 ppm	0.0026 ppm	1.2240 ppm	19.7262 ppm	0.0519 ppm
Concentration per Run	-0.0021 ppm	0.0524 ppm	0.0003 ppm	0.0025 ppm	1.2197 ppm	19.6244 ppm	0.0525 ppm
Concentration per Run	-0.0021 ppm	0.0531 ppm	0.0006 ppm	0.0026 ppm	1.2250 ppm	19.7370 ppm	0.0543 ppm
Concentration per Run	-0.0020 ppm	0.0528 ppm	0.0003 ppm	0.0026 ppm	1.2274 ppm	19.8172 ppm	0.0489 ppm
Concentration RSD	4.2 %	0.7 %	37.8 %	2.1 %	0.3 %	0.5 %	5.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	189.3130 ppm	5.5130 ppm	0.0016 ppm	101.0144 ppm	0.4792 ppm	0.0012 ppm	0.0019 ppm
Concentration per Run	188.9140 ppm	5.5082 ppm	0.0013 ppm	100.7147 ppm	0.4769 ppm	0.0010 ppm	0.0015 ppm
Concentration per Run	190.0556 ppm	5.5165 ppm	0.0016 ppm	100.9666 ppm	0.4809 ppm	0.0010 ppm	0.0008 ppm
Concentration per Run	188.9695 ppm	5.5142 ppm	0.0018 ppm	101.3618 ppm	0.4797 ppm	0.0014 ppm	0.0036 ppm
Concentration RSD	0.3 %	0.1 %	15.5 %	0.3 %	0.4 %	19.1 %	74.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0016 ppm	21.3227 [SIC 200]	0.0011 ppm	2.0113 ppm	-0.0001 ppm	-0.0049 ppm	-0.0002 ppm
Concentration per Run	0.0011 ppm	21.3498 ppm	0.0009 ppm	2.0014 ppm	-0.0003 ppm	-0.0048 ppm	-0.0002 ppm
Concentration per Run	-0.0024 ppm	21.3737 ppm	0.0011 ppm	2.0179 ppm	0.0002 ppm	-0.0046 ppm	-0.0002 ppm
Concentration per Run	-0.0034 ppm	21.2447 ppm	0.0012 ppm	2.0147 ppm	-0.0002 ppm	-0.0054 ppm	-0.0002 ppm
Concentration RSD	151.4 %	0.3 %	16.2 %	0.4 %	229.5 %	8.4 %	5.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1285 ppm	91.9935 %	100.8870 %	81.7233 %	96.8082 %	105.5500 %	95.9640 %
Concentration per Run	0.1277 ppm	92.1150 %	100.8551 %	81.5247 %	96.7859 %	105.3625 %	96.1022 %
Concentration per Run	0.1293 ppm	91.8239 %	101.4831 %	82.0474 %	96.8600 %	106.4696 %	96.1100 %
Concentration per Run	0.1284 ppm	92.0417 %	100.3229 %	81.5978 %	96.7787 %	104.8178 %	95.6798 %
Concentration RSD	0.6 %	0.2 %	0.6 %	0.3 %	0.0 %	0.8 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-02 WG2112034

Analysis started at: 9/11/2025 3:57:06 PM

Rack 1

Vial 40

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0012 ppm	-0.0004 ppm	0.0156 ppm	0.0286 ppm	0.0000 ppm	12.0391 ppm
Concentration per Run	-0.0003 ppm	0.0021 ppm	-0.0008 ppm	0.0156 ppm	0.0284 ppm	0.0000 ppm	12.0698 ppm
Concentration per Run	-0.0005 ppm	0.0018 ppm	-0.0004 ppm	0.0157 ppm	0.0286 ppm	0.0000 ppm	11.9760 ppm
Concentration per Run	-0.0005 ppm	-0.0002 ppm	-0.0001 ppm	0.0154 ppm	0.0287 ppm	0.0000 ppm	12.0714 ppm
Concentration RSD	18.6 %	104.3 %	80.8 %	1.0 %	0.6 %	30.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0018 ppm	0.0006 ppm	0.0051 ppm	1.1513 ppm	0.0019 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0017 ppm	0.0006 ppm	0.0050 ppm	1.1485 ppm	0.0021 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0017 ppm	0.0007 ppm	0.0043 ppm	1.1446 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0019 ppm	0.0007 ppm	0.0058 ppm	1.1608 ppm	0.0021 ppm
Concentration RSD	112.0 %	286.8 %	6.9 %	8.9 %	14.3 %	0.7 %	19.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5549 ppm	0.0008 ppm	0.0008 ppm	15.8729 ppm	0.0001 ppm	0.0011 ppm	0.0018 ppm
Concentration per Run	5.5778 ppm	0.0008 ppm	0.0004 ppm	15.7005 ppm	0.0004 ppm	0.0015 ppm	0.0025 ppm
Concentration per Run	5.5649 ppm	0.0008 ppm	0.0008 ppm	15.9195 ppm	0.0001 ppm	0.0012 ppm	-0.0006 ppm
Concentration per Run	5.5220 ppm	0.0008 ppm	0.0012 ppm	15.9986 ppm	-0.0001 ppm	0.0006 ppm	0.0034 ppm
Concentration RSD	0.5 %	4.0 %	50.2 %	1.0 %	181.7 %	41.2 %	116.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0014 ppm	7.4012 ppm	0.0009 ppm	0.0671 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	-0.0022 ppm	7.4102 ppm	0.0007 ppm	0.0671 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run	-0.0009 ppm	7.4031 ppm	0.0016 ppm	0.0669 ppm	0.0004 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run	-0.0011 ppm	7.3902 ppm	0.0004 ppm	0.0673 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm
Concentration RSD	46.3 %	0.1 %	68.1 %	0.3 %	31.7 %	72.9 %	180.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0020 ppm	102.6351 %	105.6891 %	99.3044 %	102.3629 %	103.9479 %	102.1441 %
Concentration per Run	0.0020 ppm	102.9185 %	106.0660 %	99.2709 %	102.6472 %	104.5096 %	102.0119 %
Concentration per Run	0.0020 ppm	102.0653 %	106.2294 %	99.1883 %	101.7623 %	104.0828 %	102.2117 %
Concentration per Run	0.0021 ppm	102.9215 %	104.7718 %	99.4541 %	102.6792 %	103.2515 %	102.2086 %
Concentration RSD	4.4 %	0.5 %	0.8 %	0.1 %	0.5 %	0.6 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112034-3 WG2112034

Analysis started at: 9/11/2025 4:00:30 PM

Rack 1

Vial 41

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0523 ppm	2.0227 ppm	0.1185 ppm	0.9808 ppm	1.9650 ppm	0.0506 ppm	22.3230 ppm
Concentration per Run	0.0523 ppm	2.0138 ppm	0.1185 ppm	0.9810 ppm	1.9637 ppm	0.0506 ppm	22.3643 ppm
Concentration per Run	0.0524 ppm	2.0103 ppm	0.1179 ppm	0.9793 ppm	1.9596 ppm	0.0503 ppm	22.1870 ppm
Concentration per Run	0.0523 ppm	2.0438 ppm	0.1190 ppm	0.9820 ppm	1.9716 ppm	0.0509 ppm	22.4176 ppm
Concentration RSD	0.2 %	0.9 %	0.5 %	0.1 %	0.3 %	0.6 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0516 ppm	0.4801 ppm	0.1978 ppm	0.2484 ppm	0.9840 ppm	11.2430 ppm	0.0016 ppm
Concentration per Run	0.0519 ppm	0.4804 ppm	0.1978 ppm	0.2483 ppm	0.9847 ppm	11.1979 ppm	0.0016 ppm
Concentration per Run	0.0516 ppm	0.4810 ppm	0.1981 ppm	0.2498 ppm	0.9756 ppm	11.2145 ppm	0.0018 ppm
Concentration per Run	0.0514 ppm	0.4790 ppm	0.1975 ppm	0.2472 ppm	0.9917 ppm	11.3166 ppm	0.0014 ppm
Concentration RSD	0.4 %	0.2 %	0.2 %	0.5 %	0.8 %	0.6 %	11.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.5182 ppm	0.4977 ppm	0.8943 ppm	26.6885 ppm	0.4951 ppm	0.5144 ppm	0.4068 ppm
Concentration per Run	15.5803 ppm	0.4969 ppm	0.8889 ppm	26.5591 ppm	0.4958 ppm	0.5138 ppm	0.4089 ppm
Concentration per Run	15.5127 ppm	0.4956 ppm	0.8964 ppm	26.5702 ppm	0.4949 ppm	0.5144 ppm	0.4050 ppm
Concentration per Run	15.4618 ppm	0.5006 ppm	0.8976 ppm	26.9364 ppm	0.4946 ppm	0.5149 ppm	0.4064 ppm
Concentration RSD	0.4 %	0.5 %	0.5 %	0.8 %	0.1 %	0.1 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1167 ppm	8.6021 ppm	0.8897 ppm	1.0472 ppm	0.9588 ppm	0.1192 ppm	0.5083 ppm
Concentration per Run	0.1154 ppm	8.6235 ppm	0.8855 ppm	1.0426 ppm	0.9592 ppm	0.1195 ppm	0.5092 ppm
Concentration per Run	0.1161 ppm	8.6085 ppm	0.8925 ppm	1.0489 ppm	0.9571 ppm	0.1191 ppm	0.5088 ppm
Concentration per Run	0.1185 ppm	8.5743 ppm	0.8911 ppm	1.0502 ppm	0.9601 ppm	0.1191 ppm	0.5067 ppm
Concentration RSD	1.4 %	0.3 %	0.4 %	0.4 %	0.2 %	0.2 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4907 ppm	101.2847 %	104.8166 %	94.9368 %	100.4882 %	104.2670 %	100.3543 %
Concentration per Run	0.4909 ppm	101.7452 %	104.9549 %	94.9482 %	101.1227 %	103.8086 %	100.6406 %
Concentration per Run	0.4901 ppm	101.3420 %	105.7666 %	94.9407 %	100.8383 %	104.8779 %	100.1031 %
Concentration per Run	0.4912 ppm	100.7668 %	103.7283 %	94.9213 %	99.5037 %	104.1143 %	100.3193 %
Concentration RSD	0.1 %	0.5 %	1.0 %	0.0 %	0.9 %	0.5 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112034-4.WG2112034

Analysis started at: 9/11/2025 4:03:55 PM

Rack 1

Vial 42

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0525 ppm	2.0107 ppm	0.1159 ppm	0.9602 ppm	1.9596 ppm	0.0503 ppm	21.4554 ppm
Concentration per Run	0.0528 ppm	2.0194 ppm	0.1149 ppm	0.9632 ppm	1.9615 ppm	0.0505 ppm	21.5820 ppm
Concentration per Run	0.0526 ppm	2.0119 ppm	0.1160 ppm	0.9606 ppm	1.9618 ppm	0.0502 ppm	21.4170 ppm
Concentration per Run	0.0522 ppm	2.0008 ppm	0.1168 ppm	0.9568 ppm	1.9556 ppm	0.0503 ppm	21.3672 ppm
Concentration RSD	0.5 %	0.5 %	0.8 %	0.3 %	0.2 %	0.3 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0511 ppm	0.4776 ppm	0.1960 ppm	0.2475 ppm	0.9786 ppm	10.9456 ppm	0.0015 ppm
Concentration per Run	0.0512 ppm	0.4787 ppm	0.1962 ppm	0.2475 ppm	0.9824 ppm	10.9658 ppm	0.0016 ppm
Concentration per Run	0.0514 ppm	0.4773 ppm	0.1969 ppm	0.2465 ppm	0.9765 ppm	10.9387 ppm	0.0020 ppm
Concentration per Run	0.0507 ppm	0.4769 ppm	0.1948 ppm	0.2467 ppm	0.9770 ppm	10.9324 ppm	0.0008 ppm
Concentration RSD	0.7 %	0.2 %	0.6 %	0.6 %	0.3 %	0.2 %	41.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.9398 ppm	0.4944 ppm	0.8887 ppm	25.8801 ppm	0.4901 ppm	0.5023 ppm	0.4119 ppm
Concentration per Run	14.9067 ppm	0.4980 ppm	0.8843 ppm	25.8555 ppm	0.4896 ppm	0.5018 ppm	0.4097 ppm
Concentration per Run	15.0141 ppm	0.4927 ppm	0.8913 ppm	25.9837 ppm	0.4933 ppm	0.5014 ppm	0.4142 ppm
Concentration per Run	14.8985 ppm	0.4927 ppm	0.8905 ppm	25.8012 ppm	0.4875 ppm	0.5037 ppm	0.4119 ppm
Concentration RSD	0.4 %	0.6 %	0.4 %	0.4 %	0.6 %	0.3 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1145 ppm	8.2963 ppm	0.8806 ppm	1.0204 ppm	0.9375 ppm	0.1168 ppm	0.5050 ppm
Concentration per Run	0.1135 ppm	8.3090 ppm	0.8828 ppm	1.0221 ppm	0.9374 ppm	0.1165 ppm	0.5063 ppm
Concentration per Run	0.1150 ppm	8.3268 ppm	0.8843 ppm	1.0179 ppm	0.9415 ppm	0.1166 ppm	0.5051 ppm
Concentration per Run	0.1150 ppm	8.2530 ppm	0.8748 ppm	1.0211 ppm	0.9338 ppm	0.1171 ppm	0.5037 ppm
Concentration RSD	0.8 %	0.5 %	0.6 %	0.2 %	0.4 %	0.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4910 ppm	101.3327 %	105.1486 %	95.5196 %	100.4749 %	104.4413 %	100.4958 %
Concentration per Run	0.4907 ppm	101.6700 %	104.7227 %	95.3196 %	100.8870 %	104.3105 %	100.2615 %
Concentration per Run	0.4943 ppm	100.5070 %	105.1208 %	95.7057 %	99.7423 %	103.8658 %	100.4192 %
Concentration per Run	0.4880 ppm	101.8212 %	105.6021 %	95.5336 %	100.7955 %	105.1475 %	100.8066 %
Concentration RSD	0.6 %	0.7 %	0.4 %	0.2 %	0.6 %	0.6 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112034-5 WG2112034

Analysis started at: 9/11/2025 4:07:20 PM

Rack 1

Vial 43

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0450 ppm	1.8868 ppm	0.1123 ppm	0.9390 ppm	1.8467 ppm	0.0472 ppm	21.1587 ppm
Concentration per Run	0.0452 ppm	1.8912 ppm	0.1124 ppm	0.9446 ppm	1.8595 ppm	0.0474 ppm	21.0268 ppm
Concentration per Run	0.0450 ppm	1.8772 ppm	0.1117 ppm	0.9425 ppm	1.8321 ppm	0.0470 ppm	21.1479 ppm
Concentration per Run	0.0449 ppm	1.8920 ppm	0.1129 ppm	0.9298 ppm	1.8486 ppm	0.0474 ppm	21.3015 ppm
Concentration RSD	0.3 %	0.4 %	0.5 %	0.9 %	0.7 %	0.5 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0483 ppm	0.4492 ppm	0.1844 ppm	0.2319 ppm	0.9195 ppm	10.7266 ppm	0.0011 ppm
Concentration per Run	0.0486 ppm	0.4511 ppm	0.1855 ppm	0.2337 ppm	0.9193 ppm	10.7655 ppm	0.0005 ppm
Concentration per Run	0.0483 ppm	0.4507 ppm	0.1850 ppm	0.2317 ppm	0.9140 ppm	10.6621 ppm	0.0015 ppm
Concentration per Run	0.0479 ppm	0.4456 ppm	0.1828 ppm	0.2303 ppm	0.9252 ppm	10.7523 ppm	0.0013 ppm
Concentration RSD	0.7 %	0.7 %	0.8 %	0.7 %	0.6 %	0.5 %	46.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.7131 ppm	0.4637 ppm	0.8677 ppm	25.1738 ppm	0.4618 ppm	0.4878 ppm	0.3082 ppm
Concentration per Run	14.8010 ppm	0.4618 ppm	0.8675 ppm	25.1224 ppm	0.4661 ppm	0.4883 ppm	0.3067 ppm
Concentration per Run	14.7147 ppm	0.4632 ppm	0.8697 ppm	25.0654 ppm	0.4627 ppm	0.4875 ppm	0.3097 ppm
Concentration per Run	14.6236 ppm	0.4660 ppm	0.8659 ppm	25.3337 ppm	0.4566 ppm	0.4877 ppm	0.3081 ppm
Concentration RSD	0.6 %	0.5 %	0.2 %	0.6 %	1.0 %	0.1 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1110 ppm	7.8482 ppm	0.8765 ppm	1.0027 ppm	0.9153 ppm	0.1128 ppm	0.4743 ppm
Concentration per Run	0.1097 ppm	7.9030 ppm	0.8850 ppm	1.0066 ppm	0.9197 ppm	0.1136 ppm	0.4766 ppm
Concentration per Run	0.1118 ppm	7.8586 ppm	0.8931 ppm	0.9931 ppm	0.9155 ppm	0.1123 ppm	0.4747 ppm
Concentration per Run	0.1114 ppm	7.7830 ppm	0.8643 ppm	1.0084 ppm	0.9107 ppm	0.1124 ppm	0.4717 ppm
Concentration RSD	1.0 %	0.8 %	1.2 %	0.8 %	0.5 %	0.6 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4593 ppm	101.5583 %	105.7718 %	95.3843 %	100.7930 %	104.5084 %	100.3634 %
Concentration per Run	0.4646 ppm	101.1652 %	106.3299 %	95.6341 %	100.6481 %	104.3688 %	100.7092 %
Concentration per Run	0.4592 ppm	101.7946 %	105.7011 %	95.1575 %	101.3942 %	104.4646 %	99.9945 %
Concentration per Run	0.4539 ppm	101.7150 %	105.2843 %	95.3615 %	100.3365 %	104.6917 %	100.3866 %
Concentration RSD	1.2 %	0.3 %	0.5 %	0.3 %	0.5 %	0.2 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112034-6d5 WG2112034

Analysis started at: 9/11/2025 4:10:44 PM

Rack 1

Vial 44

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0081 ppm	-0.0002 ppm	0.0043 ppm	0.0059 ppm	0.0001 ppm	2.4205 ppm
Concentration per Run	-0.0004 ppm	-0.0072 ppm	0.0001 ppm	0.0048 ppm	0.0059 ppm	0.0000 ppm	2.4243 ppm
Concentration per Run	-0.0008 ppm	-0.0071 ppm	0.0003 ppm	0.0049 ppm	0.0059 ppm	0.0001 ppm	2.4375 ppm
Concentration per Run	-0.0003 ppm	-0.0098 ppm	-0.0010 ppm	0.0033 ppm	0.0059 ppm	0.0000 ppm	2.3997 ppm
Concentration RSD	51.0 %	18.9 %	388.9 %	20.5 %	0.7 %	15.9 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0037 ppm	0.2664 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0042 ppm	0.2769 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0003 ppm	-0.0003 ppm	0.0031 ppm	0.2585 ppm	0.0009 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0000 ppm	0.0036 ppm	0.2639 ppm	-0.0004 ppm
Concentration RSD	651.1 %	75.6 %	21.4 %	1.210.4 %	14.9 %	3.5 %	244.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1092 ppm	0.0002 ppm	0.0193 ppm	3.2488 ppm	0.0001 ppm	0.0003 ppm	0.0568 ppm
Concentration per Run	1.1085 ppm	0.0002 ppm	0.0193 ppm	3.2416 ppm	0.0004 ppm	-0.0001 ppm	0.0577 ppm
Concentration per Run	1.1108 ppm	0.0002 ppm	0.0193 ppm	3.2552 ppm	-0.0005 ppm	0.0004 ppm	0.0550 ppm
Concentration per Run	1.1082 ppm	0.0003 ppm	0.0192 ppm	3.2497 ppm	0.0002 ppm	0.0005 ppm	0.0575 ppm
Concentration RSD	0.1 %	27.1 %	0.3 %	0.2 %	866.0 %	128.0 %	2.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0024 ppm	1.4216 ppm	0.0487 ppm	0.0135 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0026 ppm	1.4276 ppm	0.0501 ppm	0.0134 ppm	0.0017 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run	0.0028 ppm	1.4194 ppm	0.0491 ppm	0.0135 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	0.0020 ppm	1.4178 ppm	0.0471 ppm	0.0135 ppm	0.0016 ppm	0.0003 ppm	0.0001 ppm
Concentration RSD	16.2 %	0.4 %	3.2 %	0.4 %	9.2 %	1,010.0 %	418.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	103.4252 %	104.6801 %	101.5350 %	103.2534 %	104.2478 %	102.7268 %
Concentration per Run	0.0008 ppm	103.8991 %	104.1707 %	101.6797 %	103.6833 %	104.1203 %	102.8602 %
Concentration per Run	0.0009 ppm	103.2205 %	103.5147 %	101.7691 %	102.8966 %	103.0258 %	103.1975 %
Concentration per Run	0.0009 ppm	103.1560 %	106.3550 %	101.1563 %	103.1802 %	105.5974 %	102.1226 %
Concentration RSD	5.8 %	0.4 %	1.4 %	0.3 %	0.4 %	1.2 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

CCV

Sample: 9/11/2025 4:14:10 PM

Rack 0

Vial 3

Comment<

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4730 ppm	0.4686 ppm	0.4756 ppm	0.4729 ppm	0.4747 ppm	0.4913 ppm	0.4895 ppm
Concentration per Run	0.4746 ppm	0.4701 ppm	0.4728 ppm	0.4711 ppm	0.4737 ppm	0.4881 ppm	0.4881 ppm
Concentration per Run	0.4730 ppm	0.4687 ppm	0.4782 ppm	0.4740 ppm	0.4768 ppm	0.4914 ppm	0.4906 ppm
Concentration per Run	0.4714 ppm	0.4671 ppm	0.4757 ppm	0.4734 ppm	0.4735 ppm	0.4949 ppm	0.4898 ppm
Recovery Percentage	94.601 %	93.727 %	95.116 %	94.570 %	94.937 %	98.260 %	97.900 %
Concentration RSD	0.3 %	0.3 %	0.6 %	0.3 %	0.4 %	0.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4878 ppm	0.4845 ppm	0.4868 ppm	0.4896 ppm	0.4889 ppm	4.9648 ppm	0.5045 ppm
Concentration per Run	0.4898 ppm	0.4869 ppm	0.4880 ppm	0.4912 ppm	0.4825 ppm	4.9374 ppm	0.5057 ppm
Concentration per Run	0.4852 ppm	0.4828 ppm	0.4871 ppm	0.4895 ppm	0.4911 ppm	4.9581 ppm	0.5022 ppm
Concentration per Run	0.4884 ppm	0.4838 ppm	0.4880 ppm	0.4854 ppm	0.4931 ppm	4.9989 ppm	0.5057 ppm
Recovery Percentage	97.559 %	96.901 %	97.361 %	97.910 %	97.774 %	99.295 %	100.909 %
Concentration RSD	0.5 %	0.4 %	0.3 %	0.3 %	1.2 %	0.6 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4865 ppm	0.4948 ppm	0.4797 ppm	10.0024 ppm	0.4927 ppm	0.4804 ppm	0.5255 ppm
Concentration per Run	0.4885 ppm	0.4920 ppm	0.4794 ppm	9.9523 ppm	0.4950 ppm	0.4807 ppm	0.5265 ppm
Concentration per Run	0.4842 ppm	0.4943 ppm	0.4769 ppm	9.9671 ppm	0.4907 ppm	0.4796 ppm	0.5277 ppm
Concentration per Run	0.4867 ppm	0.4981 ppm	0.4828 ppm	10.0878 ppm	0.4924 ppm	0.4810 ppm	0.5214 ppm
Recovery Percentage	97.290 %	98.958 %	95.944 %	100.024 %	98.533 %	96.089 %	105.039 %
Concentration RSD	0.4 %	0.6 %	0.6 %	0.7 %	0.4 %	0.2 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4676 ppm	5.1773 ppm	0.4999 ppm	0.4943 ppm	0.4784 ppm	0.4924 ppm	0.4919 ppm
Concentration per Run	0.4634 ppm	5.1730 ppm	0.5027 ppm	0.4918 ppm	0.4813 ppm	0.4934 ppm	0.4934 ppm
Concentration per Run	0.4702 ppm	5.1779 ppm	0.4972 ppm	0.4980 ppm	0.4800 ppm	0.4960 ppm	0.4906 ppm
Concentration per Run	0.4693 ppm	5.1810 ppm	0.4997 ppm	0.4932 ppm	0.4738 ppm	0.4916 ppm	0.4915 ppm
Recovery Percentage	93.522 %	98.615 %	99.975 %	98.867 %	95.677 %	98.473 %	98.370 %
Concentration RSD	0.8 %	0.1 %	0.5 %	0.7 %	0.8 %	0.7 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4820 ppm	103.1750 %	104.0024 %	99.2888 %	102.6083 %	102.9321 %	102.0937 %
Concentration per Run	0.4860 ppm	102.9865 %	104.5766 %	99.0594 %	102.6175 %	103.1922 %	101.8041 %
Concentration per Run	0.4790 ppm	103.2384 %	104.7424 %	99.5032 %	102.5851 %	103.1886 %	102.3971 %
Concentration per Run	0.4811 ppm	103.3001 %	102.6883 %	99.3037 %	102.6224 %	102.4154 %	102.0798 %
Recovery Percentage	96.409 %						
Concentration RSD	0.7 %	0.2 %	1.1 %	0.2 %	0.0 %	0.4 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 4:17:36 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0033 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0047 ppm
Concentration per Run	-0.0004 ppm	-0.0056 ppm	-0.0008 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0073 ppm
Concentration per Run	-0.0002 ppm	0.0006 ppm	0.0011 ppm	-0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0040 ppm
Concentration per Run	-0.0004 ppm	-0.0050 ppm	0.0008 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0028 ppm
Recovery Percentage	-6.575 %	-3.341 %	7.383 %	-0.694 %	1.098 %	1.717 %	4.723 %
Concentration RSD	38.3 %	101.6 %	270.2 %	443.6 %	42.9 %	17.7 %	49.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0016 ppm	0.0219 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0301 ppm	-0.0005 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0024 ppm	0.0203 ppm	0.0006 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0001 ppm	-0.0004 ppm	0.0020 ppm	0.0153 ppm	-0.0001 ppm
Recovery Percentage	2.859 %	-0.276 %	0.272 %	-1.163 %	3.158 %	0.877 %	-0.265 %
Concentration RSD	41.4 %	1,170.8 %	334.1 %	184.9 %	73.1 %	34.4 %	2,108.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0238 ppm	0.0002 ppm	0.0007 ppm	0.0093 ppm
Concentration per Run	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0251 ppm	0.0000 ppm	0.0006 ppm	0.0101 ppm
Concentration per Run	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0253 ppm	0.0003 ppm	0.0010 ppm	0.0073 ppm
Concentration per Run	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0230 ppm	0.0004 ppm	0.0005 ppm	0.0106 ppm
Recovery Percentage	0.404 %	1,221 %	12.777 %	1.189 %	0.784 %	6.940 %	18.671 %
Concentration RSD	46.8 %	35.5 %	2.5 %	4.9 %	107.9 %	41.8 %	19.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	-0.0003 ppm	0.0069 ppm	0.0001 ppm	0.0008 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0043 ppm	-0.0008 ppm	0.0070 ppm	0.0001 ppm	0.0009 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0023 ppm	-0.0002 ppm	0.0069 ppm	0.0000 ppm	0.0007 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0035 ppm	0.0000 ppm	0.0068 ppm	0.0001 ppm	0.0008 ppm	0.0003 ppm	0.0000 ppm
Recovery Percentage	33.607 %	-0.065 %	13.801 %	0.880 %	7.958 %	3.673 %	-0.154 %
Concentration RSD	30.4 %	121.5 %	1.0 %	51.0 %	10.9 %	51.7 %	520.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	100.9980 %	102.5099 %	99.8227 %	102.1997 %	103.4958 %	101.2610 %
Concentration per Run	0.0007 ppm	100.4828 %	102.5161 %	100.0393 %	101.4038 %	103.9583 %	101.6061 %
Concentration per Run	0.0004 ppm	101.3395 %	99.9696 %	102.5094 %	102.5094 %	103.3196 %	101.0107 %
Concentration per Run	0.0007 ppm	101.1716 %	102.2089 %	99.4591 %	102.6859 %	103.2094 %	101.1663 %
Recovery Percentage	11.914 %						
Concentration RSD	27.2 %	0.4 %	0.3 %	0.3 %	0.7 %	0.4 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555524-04 WG2112034

Analysis started at: 9/11/2025 4:35:38 PM

Rack 1

Vial 53

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	6.1155 ppm	-0.0002 ppm	0.0979 ppm	0.0211 ppm	0.0057 ppm	24.4221 ppm
Concentration per Run	-0.0003 ppm	6.1128 ppm	0.0000 ppm	0.0984 ppm	0.0209 ppm	0.0057 ppm	24.4893 ppm
Concentration per Run	-0.0003 ppm	6.1361 ppm	-0.0005 ppm	0.0973 ppm	0.0211 ppm	0.0057 ppm	24.4939 ppm
Concentration per Run	-0.0004 ppm	6.0976 ppm	-0.0001 ppm	0.0980 ppm	0.0212 ppm	0.0057 ppm	24.2832 ppm
Concentration RSD	12.8 %	0.3 %	123.7 %	0.6 %	0.6 %	0.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0364 ppm	0.0004 ppm	0.0112 ppm	0.6236 ppm	3.4735 ppm	0.0739 ppm
Concentration per Run	0.0009 ppm	0.0361 ppm	0.0003 ppm	0.0113 ppm	0.6250 ppm	3.4679 ppm	0.0738 ppm
Concentration per Run	0.0008 ppm	0.0364 ppm	0.0004 ppm	0.0112 ppm	0.6252 ppm	3.4804 ppm	0.0743 ppm
Concentration per Run	0.0009 ppm	0.0367 ppm	0.0005 ppm	0.0111 ppm	0.6205 ppm	3.4723 ppm	0.0735 ppm
Concentration RSD	6.6 %	0.9 %	34.0 %	0.8 %	0.4 %	0.2 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.6500 ppm	1.2539 ppm	0.0005 ppm	18.2123 ppm	0.0677 ppm	0.0018 ppm	-0.0008 ppm
Concentration per Run	10.6429 ppm	1.2544 ppm	0.0007 ppm	18.2160 ppm	0.0670 ppm	0.0018 ppm	-0.0006 ppm
Concentration per Run	10.7331 ppm	1.2562 ppm	0.0002 ppm	18.2435 ppm	0.0683 ppm	0.0017 ppm	-0.0005 ppm
Concentration per Run	10.5740 ppm	1.2510 ppm	0.0005 ppm	18.1775 ppm	0.0678 ppm	0.0020 ppm	-0.0014 ppm
Concentration RSD	0.7 %	0.2 %	51.5 %	0.2 %	1.0 %	9.4 %	53.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	17.2437 ppm	0.0001 ppm	0.2833 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	-0.0002 ppm	17.2864 ppm	0.0004 ppm	0.2811 ppm	0.0003 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	17.2255 ppm	0.0003 ppm	0.2830 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0006 ppm	17.2193 ppm	-0.0004 ppm	0.2857 ppm	0.0002 ppm	0.0005 ppm	-0.0001 ppm
Concentration RSD	193.7 %	0.2 %	468.8 %	0.8 %	25.2 %	552.0 %	12.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1375 ppm	99.6150 ppm	106.1854 ppm	95.7763 ppm	103.4729 ppm	110.8090 ppm	104.3174 ppm
Concentration per Run	0.1380 ppm	99.3920 ppm	105.8356 ppm	95.5482 ppm	103.2101 ppm	110.1213 ppm	104.2692 ppm
Concentration per Run	0.1378 ppm	99.4715 ppm	105.0830 ppm	96.0028 ppm	103.2361 ppm	109.8688 ppm	104.4107 ppm
Concentration per Run	0.1368 ppm	99.9816 ppm	107.6377 ppm	95.7780 ppm	103.9726 ppm	112.4369 ppm	104.2722 ppm
Concentration RSD	0.5 %	0.3 %	1.2 %	0.2 %	0.4 %	1.3 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555524-05 WG2112034

Analysis started at: 9/11/2025 4:39:17 PM

Rack 1

Vial 54

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	0.0144 ppm	-0.0003 ppm	0.1511 ppm	0.0294 ppm	0.0011 ppm	320.5438 ppm
Concentration per Run	-0.0006 ppm	0.0160 ppm	0.0007 ppm	0.1502 ppm	0.0295 ppm	0.0011 ppm	318.7486 ppm
Concentration per Run	-0.0006 ppm	0.0112 ppm	-0.0003 ppm	0.1514 ppm	0.0293 ppm	0.0011 ppm	317.2957 ppm
Concentration per Run	-0.0008 ppm	0.0159 ppm	-0.0012 ppm	0.1515 ppm	0.0295 ppm	0.0011 ppm	325.5870 ppm
Concentration RSD	15.4 %	19.0 %	368.3 %	0.5 %	0.4 %	0.5 %	1.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0020 ppm	0.0522 ppm	-0.0005 ppm	0.0023 ppm	1.2281 ppm	19.6108 ppm	0.0515 ppm
Concentration per Run	-0.0020 ppm	0.0521 ppm	-0.0007 ppm	0.0022 ppm	1.2258 ppm	19.6194 ppm	0.0493 ppm
Concentration per Run	-0.0020 ppm	0.0524 ppm	-0.0003 ppm	0.0024 ppm	1.2186 ppm	19.5737 ppm	0.0503 ppm
Concentration per Run	-0.0019 ppm	0.0522 ppm	-0.0005 ppm	0.0023 ppm	1.2400 ppm	19.6391 ppm	0.0549 ppm
Concentration RSD	1.1 %	0.3 %	32.8 %	4.5 %	0.9 %	0.2 %	5.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	186.0567 ppm	5.4725 ppm	0.0002 ppm	100.4192 ppm	0.4721 ppm	0.0003 ppm	0.0024 ppm
Concentration per Run	186.3037 ppm	5.4634 ppm	0.0001 ppm	100.2190 ppm	0.4722 ppm	0.0002 ppm	0.0031 ppm
Concentration per Run	186.4830 ppm	5.4239 ppm	0.0005 ppm	100.0289 ppm	0.4758 ppm	-0.0006 ppm	0.0022 ppm
Concentration per Run	185.3833 ppm	5.5302 ppm	0.0000 ppm	101.0097 ppm	0.4682 ppm	0.0014 ppm	0.0019 ppm
Concentration RSD	0.3 %	1.0 %	110.8 %	0.5 %	0.8 %	300.7 %	26.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0017 ppm	20.9707 [SIC 200]	-0.0002 ppm	1.9918 ppm	-0.0004 ppm	-0.0042 ppm	-0.0002 ppm
Concentration per Run	-0.0022 ppm	20.9847 ppm	-0.0004 ppm	1.9919 ppm	-0.0002 ppm	-0.0045 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	20.9980 ppm	0.0000 ppm	1.9859 ppm	-0.0004 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run	-0.0029 ppm	20.9294 ppm	-0.0003 ppm	1.9974 ppm	-0.0003 ppm	-0.0038 ppm	-0.0001 ppm
Concentration RSD	88.3 %	0.2 %	92.9 %	0.3 %	58.7 %	8.8 %	46.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1270 ppm	92.3634 %	99.6948 %	82.3365 %	96.7470 %	105.1711 %	96.3117 %
Concentration per Run	0.1267 ppm	92.2341 %	100.3165 %	82.5425 %	96.2652 %	105.6382 %	96.4069 %
Concentration per Run	0.1286 ppm	92.2018 %	100.0892 %	82.0739 %	96.8169 %	104.9635 %	96.1377 %
Concentration per Run	0.1257 ppm	92.6543 %	98.6788 %	82.3930 %	97.1589 %	104.9117 %	96.3905 %
Concentration RSD	1.2 %	0.3 %	0.9 %	0.3 %	0.5 %	0.4 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-01 WG2112034

Analysis started at: 9/11/2025 4:42:42 PM

Rack 1

Vial 55

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0115 ppm	-0.0010 ppm	0.0101 ppm	0.0330 ppm	0.0001 ppm	12.1216 ppm
Concentration per Run	-0.0003 ppm	0.0128 ppm	0.0008 ppm	0.0096 ppm	0.0328 ppm	0.0001 ppm	11.9797 ppm
Concentration per Run	-0.0001 ppm	0.0131 ppm	-0.0022 ppm	0.0105 ppm	0.0333 ppm	0.0001 ppm	12.2761 ppm
Concentration per Run	-0.0004 ppm	0.0086 ppm	-0.0015 ppm	0.0101 ppm	0.0328 ppm	0.0001 ppm	12.1089 ppm
Concentration RSD	52.9 %	21.9 %	164.2 %	4.0 %	0.9 %	21.2 %	1.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0013 ppm	0.0014 ppm	0.0105 ppm	1.0825 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0014 ppm	0.0017 ppm	0.0104 ppm	1.0955 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0013 ppm	0.0011 ppm	0.0107 ppm	1.0851 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0013 ppm	0.0014 ppm	0.0104 ppm	1.0668 ppm	0.0000 ppm
Concentration RSD	392.3 %	1.182.1 %	3.3 %	21.1 %	2.0 %	1.3 %	272.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.7381 ppm	0.0699 ppm	0.0000 ppm	8.4835 ppm	0.0013 ppm	0.0005 ppm	0.0006 ppm
Concentration per Run	5.7547 ppm	0.0691 ppm	0.0002 ppm	8.3691 ppm	0.0012 ppm	0.0004 ppm	-0.0006 ppm
Concentration per Run	5.7576 ppm	0.0709 ppm	-0.0002 ppm	8.5559 ppm	0.0012 ppm	0.0008 ppm	0.0008 ppm
Concentration per Run	5.7021 ppm	0.0696 ppm	-0.0001 ppm	8.5255 ppm	0.0016 ppm	0.0003 ppm	0.0017 ppm
Concentration RSD	0.5 %	1.4 %	549.6 %	1.2 %	16.1 %	45.5 %	179.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0002 ppm	5.3666 ppm	-0.0001 ppm	0.0673 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0003 ppm	5.3749 ppm	0.0000 ppm	0.0665 ppm	0.0000 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run	-0.0016 ppm	5.3738 ppm	0.0000 ppm	0.0683 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0006 ppm	5.3510 ppm	-0.0004 ppm	0.0671 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm
Concentration RSD	500.3 %	0.3 %	201.3 %	1.3 %	107.0 %	818.9 %	144.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0044 ppm	103.8251 %	105.6665 %	100.1575 %	103.4438 %	104.7234 %	102.8155 %
Concentration per Run	0.0044 ppm	103.8133 %	106.5931 %	99.9955 %	103.2163 %	106.3039 %	102.8889 %
Concentration per Run	0.0043 ppm	103.8226 %	104.3266 %	100.1030 %	103.6715 %	104.0148 %	102.7366 %
Concentration per Run	0.0045 ppm	103.8393 %	106.0799 %	100.3739 %	103.4437 %	103.8515 %	102.8209 %
Concentration RSD	2.2 %	0.0 %	1.1 %	0.2 %	0.2 %	1.3 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-03 WG2112034

Analysis started at: 9/11/2025 4:46:08 PM

Rack 1

Vial 56

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0084 ppm	-0.0006 ppm	0.0172 ppm	0.0462 ppm	0.0001 ppm	15.5757 ppm
Concentration per Run	-0.0004 ppm	-0.0079 ppm	-0.0009 ppm	0.0177 ppm	0.0460 ppm	0.0000 ppm	15.5892 ppm
Concentration per Run	-0.0003 ppm	-0.0048 ppm	-0.0004 ppm	0.0179 ppm	0.0463 ppm	0.0001 ppm	15.7436 ppm
Concentration per Run	-0.0005 ppm	-0.0125 ppm	-0.0007 ppm	0.0161 ppm	0.0461 ppm	0.0001 ppm	15.3944 ppm
Concentration RSD	28.2 %	46.3 %	42.0 %	5.7 %	0.4 %	53.6 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0013 ppm	0.0003 ppm	0.0071 ppm	1.2493 ppm	0.0012 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0002 ppm	0.0070 ppm	1.2675 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0012 ppm	0.0003 ppm	0.0074 ppm	1.2523 ppm	0.0005 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0014 ppm	0.0003 ppm	0.0070 ppm	1.2282 ppm	0.0018 ppm
Concentration RSD	78.8 %	1,257.4 %	11.1 %	24.3 %	3.5 %	1.6 %	54.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	7.0396 ppm	0.0005 ppm	0.0000 ppm	18.6269 ppm	0.0008 ppm	0.0003 ppm	0.0008 ppm
Concentration per Run	7.0503 ppm	0.0004 ppm	0.0002 ppm	18.6732 ppm	0.0007 ppm	0.0003 ppm	0.0030 ppm
Concentration per Run	7.0278 ppm	0.0005 ppm	-0.0001 ppm	18.6229 ppm	0.0009 ppm	0.0004 ppm	-0.0022 ppm
Concentration per Run	7.0408 ppm	0.0004 ppm	0.0000 ppm	18.5846 ppm	0.0007 ppm	0.0001 ppm	0.0015 ppm
Concentration RSD	0.2 %	7.9 %	244.7 %	0.2 %	12.1 %	44.6 %	352.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0005 ppm	8.7530 ppm	-0.0002 ppm	0.0907 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	0.0006 ppm	8.7750 ppm	0.0000 ppm	0.0907 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	8.7144 ppm	-0.0002 ppm	0.0910 ppm	0.0001 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0006 ppm	8.7696 ppm	-0.0002 ppm	0.0904 ppm	0.0002 ppm	-0.0009 ppm	0.0000 ppm
Concentration RSD	51.5 %	0.4 %	99.8 %	0.3 %	30.8 %	630.0 %	480.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0014 ppm	102.0093 %	104.8758 %	98.2969 %	101.3372 %	103.7227 %	101.4515 %
Concentration per Run	0.0014 ppm	101.3951 %	104.6207 %	98.5411 %	100.9062 %	103.5242 %	101.5663 %
Concentration per Run	0.0013 ppm	102.7049 %	103.9961 %	98.3682 %	101.8136 %	103.3537 %	101.8717 %
Concentration per Run	0.0014 ppm	101.9279 %	106.0105 %	97.9814 %	101.2918 %	104.2902 %	100.9167 %
Concentration RSD	3.4 %	0.6 %	1.0 %	0.3 %	0.4 %	0.5 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-04 WG2112034

Analysis started at: 9/11/2025 4:49:33 PM

Rack 1

Vial 57

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0082 ppm	-0.0008 ppm	0.0141 ppm	0.0227 ppm	0.0000 ppm	33.6104 ppm
Concentration per Run	0.0000 ppm	-0.0086 ppm	-0.0011 ppm	0.0148 ppm	0.0229 ppm	0.0000 ppm	33.4580 ppm
Concentration per Run	-0.0002 ppm	-0.0070 ppm	-0.0014 ppm	0.0131 ppm	0.0227 ppm	0.0000 ppm	33.7021 ppm
Concentration per Run	-0.0005 ppm	-0.0089 ppm	0.0002 ppm	0.0144 ppm	0.0225 ppm	0.0000 ppm	33.6711 ppm
Concentration RSD	89.7 %	12.0 %	106.3 %	6.4 %	0.8 %	28.4 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0019 ppm	0.0035 ppm	1.2548 ppm	0.0001 ppm
Concentration per Run	-0.0003 ppm	-0.0002 ppm	0.0002 ppm	0.0017 ppm	0.0033 ppm	1.2774 ppm	0.0005 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0021 ppm	0.0034 ppm	1.2385 ppm	-0.0001 ppm
Concentration per Run	-0.0003 ppm	-0.0003 ppm	0.0001 ppm	0.0020 ppm	0.0038 ppm	1.2486 ppm	0.0000 ppm
Concentration RSD	15.8 %	138.8 %	51.5 %	10.1 %	8.0 %	1.6 %	240.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.9058 ppm	0.0003 ppm	-0.0002 ppm	2.2766 ppm	-0.0002 ppm	0.0005 ppm	0.0010 ppm
Concentration per Run	6.9559 ppm	0.0002 ppm	-0.0005 ppm	2.2883 ppm	-0.0001 ppm	0.0004 ppm	0.0025 ppm
Concentration per Run	6.9087 ppm	0.0002 ppm	0.0000 ppm	2.2658 ppm	-0.0002 ppm	0.0003 ppm	-0.0008 ppm
Concentration per Run	6.8529 ppm	0.0003 ppm	0.0001 ppm	2.2757 ppm	-0.0002 ppm	0.0006 ppm	0.0013 ppm
Concentration RSD	0.7 %	31.2 %	192.3 %	0.5 %	47.5 %	31.3 %	164.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	2.7337 ppm	-0.0004 ppm	0.1434 ppm	0.0002 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run	-0.0013 ppm	2.7364 ppm	0.0002 ppm	0.1438 ppm	0.0002 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run	0.0009 ppm	2.7356 ppm	-0.0006 ppm	0.1430 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run	0.0003 ppm	2.7292 ppm	-0.0006 ppm	0.1435 ppm	0.0003 ppm	0.0005 ppm	0.0003 ppm
Concentration RSD	2.453.3 %	0.1 %	124.2 %	0.3 %	98.6 %	65.2 %	15.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0022 ppm	101.8870 %	104.0136 %	98.3989 %	102.2925 %	104.1197 %	101.5785 %
Concentration per Run	0.0023 ppm	101.3282 %	103.4849 %	99.1813 %	101.7851 %	103.7916 %	102.3179 %
Concentration per Run	0.0021 ppm	101.9716 %	103.7860 %	98.0421 %	102.4439 %	103.1799 %	101.2431 %
Concentration per Run	0.0023 ppm	102.3611 %	104.7701 %	97.9732 %	102.6485 %	105.3875 %	101.1746 %
Concentration RSD	4.4 %	0.5 %	0.6 %	0.7 %	0.4 %	1.1 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555806-05 WG2112034

Analysis started at: 9/11/2025 4:52:59 PM

Rack 1

Vial 45

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0042 ppm	-0.0002 ppm	0.0367 ppm	0.0370 ppm	0.0000 ppm	31.9612 ppm
Concentration per Run	-0.0007 ppm	0.0044 ppm	-0.0012 ppm	0.0372 ppm	0.0372 ppm	0.0000 ppm	32.2219 ppm
Concentration per Run	-0.0006 ppm	0.0054 ppm	0.0000 ppm	0.0360 ppm	0.0369 ppm	0.0000 ppm	31.8096 ppm
Concentration per Run	-0.0004 ppm	0.0027 ppm	0.0008 ppm	0.0370 ppm	0.0370 ppm	0.0000 ppm	31.8523 ppm
Concentration RSD	30.2 %	32.5 %	606.7 %	1.8 %	0.5 %	11.0 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0003 ppm	0.0004 ppm	0.0007 ppm	0.0254 ppm	3.8134 ppm	0.0020 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0005 ppm	0.0255 ppm	3.8489 ppm	0.0022 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0007 ppm	0.0252 ppm	3.7841 ppm	0.0017 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0006 ppm	0.0010 ppm	0.0254 ppm	3.8073 ppm	0.0021 ppm
Concentration RSD	7.4 %	71.4 %	47.6 %	35.0 %	0.6 %	0.9 %	12.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.6362 ppm	0.0025 ppm	0.0006 ppm	27.1500 ppm	0.0009 ppm	0.0003 ppm	-0.0016 ppm
Concentration per Run	5.6330 ppm	0.0026 ppm	0.0004 ppm	27.0899 ppm	0.0006 ppm	0.0003 ppm	-0.0021 ppm
Concentration per Run	5.6205 ppm	0.0026 ppm	0.0007 ppm	27.0883 ppm	0.0010 ppm	-0.0005 ppm	-0.0028 ppm
Concentration per Run	5.6550 ppm	0.0024 ppm	0.0006 ppm	27.2918 ppm	0.0009 ppm	0.0011 ppm	0.0001 ppm
Concentration RSD	0.3 %	3.9 %	22.8 %	0.5 %	23.0 %	289.5 %	91.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0007 ppm	3.3064 ppm	-0.0009 ppm	0.1190 ppm	0.0001 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run	-0.0020 ppm	3.2785 ppm	-0.0008 ppm	0.1194 ppm	0.0001 ppm	0.0008 ppm	0.0010 ppm
Concentration per Run	-0.0002 ppm	3.3303 ppm	-0.0011 ppm	0.1187 ppm	-0.0001 ppm	-0.0006 ppm	0.0005 ppm
Concentration per Run	0.0002 ppm	3.3104 ppm	-0.0008 ppm	0.1190 ppm	0.0001 ppm	0.0002 ppm	0.0009 ppm
Concentration RSD	171.7 %	0.8 %	17.6 %	0.3 %	265.0 %	465.4 %	28.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0017 ppm	99.9306 %	105.0726 %	95.8260 %	99.0883 %	103.6270 %	98.7538 %
Concentration per Run	0.0015 ppm	100.5500 %	104.2607 %	95.1757 %	99.1749 %	103.1050 %	98.1465 %
Concentration per Run	0.0019 ppm	99.6387 %	105.8268 %	96.4101 %	99.2869 %	104.0523 %	99.2894 %
Concentration per Run	0.0017 ppm	99.6031 %	105.1304 %	95.8921 %	98.8029 %	103.7238 %	98.8256 %
Concentration RSD	10.5 %	0.5 %	0.7 %	0.6 %	0.3 %	0.5 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112034-7 WG2112034

Analysis started at: 9/11/2025 4:56:25 PM

Rack 1

Vial 46

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0537 ppm	2.0585 ppm	0.1221 ppm	1.0349 ppm	2.0092 ppm	0.0514 ppm	41.4569 ppm
Concentration per Run	0.0534 ppm	2.0746 ppm	0.1228 ppm	1.0400 ppm	2.0194 ppm	0.0517 ppm	41.7775 ppm
Concentration per Run	0.0539 ppm	2.0522 ppm	0.1225 ppm	1.0288 ppm	1.9936 ppm	0.0514 ppm	41.5291 ppm
Concentration per Run	0.0537 ppm	2.0487 ppm	0.1211 ppm	1.0358 ppm	2.0146 ppm	0.0511 ppm	41.0641 ppm
Concentration RSD	0.5 %	0.7 %	0.8 %	0.5 %	0.7 %	0.6 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0526 ppm	0.4900 ppm	0.2002 ppm	0.2545 ppm	1.0150 ppm	14.1462 ppm	0.0015 ppm
Concentration per Run	0.0529 ppm	0.4907 ppm	0.2012 ppm	0.2545 ppm	1.0221 ppm	14.2320 ppm	0.0024 ppm
Concentration per Run	0.0525 ppm	0.4893 ppm	0.1992 ppm	0.2544 ppm	1.0147 ppm	14.0699 ppm	0.0018 ppm
Concentration per Run	0.0523 ppm	0.4899 ppm	0.2002 ppm	0.2548 ppm	1.0081 ppm	14.1366 ppm	0.0004 ppm
Concentration RSD	0.5 %	0.1 %	0.5 %	0.1 %	0.7 %	0.6 %	66.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.5376 ppm	0.5058 ppm	0.9236 ppm	37.1988 ppm	0.5053 ppm	0.5263 ppm	0.4416 ppm
Concentration per Run	15.5982 ppm	0.5093 ppm	0.9220 ppm	37.2543 ppm	0.5083 ppm	0.5269 ppm	0.4438 ppm
Concentration per Run	15.5845 ppm	0.5086 ppm	0.9166 ppm	37.1249 ppm	0.5013 ppm	0.5256 ppm	0.4389 ppm
Concentration per Run	15.4303 ppm	0.5014 ppm	0.9321 ppm	37.2172 ppm	0.5064 ppm	0.5266 ppm	0.4420 ppm
Concentration RSD	0.6 %	0.8 %	0.9 %	0.2 %	0.7 %	0.1 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1205 ppm	4.2488 ppm	0.9161 ppm	1.1143 ppm	0.9868 ppm	0.1206 ppm	0.5203 ppm
Concentration per Run	0.1223 ppm	4.2671 ppm	0.9163 ppm	1.1224 ppm	0.9850 ppm	0.1214 ppm	0.5218 ppm
Concentration per Run	0.1201 ppm	4.2370 ppm	0.9093 ppm	1.1004 ppm	0.9880 ppm	0.1199 ppm	0.5200 ppm
Concentration per Run	0.1191 ppm	4.2424 ppm	0.9227 ppm	1.1202 ppm	0.9873 ppm	0.1206 ppm	0.5192 ppm
Concentration RSD	1.3 %	0.4 %	0.7 %	1.1 %	0.2 %	0.6 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5027 ppm	99.4102 %	104.4028 %	93.2126 %	98.8792 %	102.7510 %	98.7688 %
Concentration per Run	0.5063 ppm	99.2809 %	104.0517 %	93.1591 %	98.9049 %	103.2321 %	98.8478 %
Concentration per Run	0.5008 ppm	99.5113 %	103.3571 %	93.3600 %	98.8897 %	101.0693 %	98.7177 %
Concentration per Run	0.5010 ppm	99.4384 %	105.7997 %	93.1186 %	98.8430 %	103.9517 %	98.7409 %
Concentration RSD	0.6 %	0.1 %	1.2 %	0.1 %	0.0 %	1.5 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112034-8 WG2112034

Analysis started at: 9/11/2025 4:59:51 PM

Rack 1

Vial 47

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0536 ppm	2.0614 ppm	0.1228 ppm	1.0332 ppm	2.0007 ppm	0.0512 ppm	41.4407 ppm
Concentration per Run	0.0538 ppm	2.0670 ppm	0.1218 ppm	1.0339 ppm	2.0000 ppm	0.0512 ppm	41.1530 ppm
Concentration per Run	0.0538 ppm	2.0577 ppm	0.1236 ppm	1.0370 ppm	1.9992 ppm	0.0512 ppm	41.6824 ppm
Concentration per Run	0.0531 ppm	2.0594 ppm	0.1230 ppm	1.0288 ppm	2.0029 ppm	0.0513 ppm	41.4868 ppm
Concentration RSD	0.7 %	0.2 %	0.7 %	0.4 %	0.1 %	0.1 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0521 ppm	0.4872 ppm	0.1992 ppm	0.2540 ppm	1.0153 ppm	14.1613 ppm	0.0018 ppm
Concentration per Run	0.0521 ppm	0.4868 ppm	0.1997 ppm	0.2538 ppm	1.0133 ppm	14.1575 ppm	0.0026 ppm
Concentration per Run	0.0525 ppm	0.4908 ppm	0.1995 ppm	0.2540 ppm	1.0177 ppm	14.1440 ppm	0.0014 ppm
Concentration per Run	0.0517 ppm	0.4840 ppm	0.1983 ppm	0.2542 ppm	1.0150 ppm	14.1823 ppm	0.0013 ppm
Concentration RSD	0.8 %	0.7 %	0.4 %	0.1 %	0.2 %	0.1 %	41.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.5214 ppm	0.5039 ppm	0.9428 ppm	37.1486 ppm	0.5009 ppm	0.5290 ppm	0.4501 ppm
Concentration per Run	15.5621 ppm	0.5021 ppm	0.9390 ppm	37.1271 ppm	0.5010 ppm	0.5289 ppm	0.4514 ppm
Concentration per Run	15.5804 ppm	0.5061 ppm	0.9439 ppm	37.2655 ppm	0.5030 ppm	0.5300 ppm	0.4505 ppm
Concentration per Run	15.4216 ppm	0.5035 ppm	0.9454 ppm	37.0531 ppm	0.4987 ppm	0.5282 ppm	0.4483 ppm
Concentration RSD	0.6 %	0.4 %	0.4 %	0.3 %	0.4 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1205 ppm	4.2308 ppm	0.9327 ppm	1.1154 ppm	0.9896 ppm	0.1221 ppm	0.5187 ppm
Concentration per Run	0.1195 ppm	4.2287 ppm	0.9310 ppm	1.1212 ppm	0.9892 ppm	0.1236 ppm	0.5195 ppm
Concentration per Run	0.1220 ppm	4.2520 ppm	0.9366 ppm	1.1115 ppm	0.9923 ppm	0.1215 ppm	0.5200 ppm
Concentration per Run	0.1200 ppm	4.2116 ppm	0.9307 ppm	1.1136 ppm	0.9873 ppm	0.1212 ppm	0.5165 ppm
Concentration RSD	1.1 %	0.5 %	0.4 %	0.5 %	0.3 %	1.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4980 ppm	99.7740 %	103.8081 %	93.0091 %	99.2233 %	102.5400 %	98.6933 %
Concentration per Run	0.4988 ppm	99.5945 %	105.1147 %	93.0878 %	98.8622 %	103.9199 %	98.9358 %
Concentration per Run	0.5011 ppm	99.3497 %	102.9321 %	93.0424 %	98.9289 %	102.2355 %	98.6949 %
Concentration per Run	0.4941 ppm	100.3778 %	103.3775 %	92.8970 %	99.8589 %	101.4648 %	98.4493 %
Concentration RSD	0.7 %	0.5 %	1.1 %	0.1 %	0.6 %	1.2 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112034-9 WG2112034

Analysis started at: 9/11/2025 5:03:17 PM

Rack 1

Vial 48

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0461 ppm	1.9074 ppm	0.1150 ppm	0.9729 ppm	1.8640 ppm	0.0477 ppm	40.3333 ppm
Concentration per Run	0.0460 ppm	1.9166 ppm	0.1150 ppm	0.9725 ppm	1.8603 ppm	0.0476 ppm	40.1657 ppm
Concentration per Run	0.0461 ppm	1.8866 ppm	0.1156 ppm	0.9709 ppm	1.8618 ppm	0.0476 ppm	40.2501 ppm
Concentration per Run	0.0463 ppm	1.9191 ppm	0.1145 ppm	0.9754 ppm	1.8700 ppm	0.0478 ppm	40.5841 ppm
Concentration RSD	0.4 %	0.9 %	0.5 %	0.2 %	0.3 %	0.3 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0487 ppm	0.4544 ppm	0.1848 ppm	0.2348 ppm	0.9430 ppm	13.4263 ppm	0.0015 ppm
Concentration per Run	0.0486 ppm	0.4547 ppm	0.1840 ppm	0.2352 ppm	0.9450 ppm	13.4373 ppm	0.0027 ppm
Concentration per Run	0.0487 ppm	0.4553 ppm	0.1848 ppm	0.2351 ppm	0.9406 ppm	13.3623 ppm	0.0009 ppm
Concentration per Run	0.0488 ppm	0.4531 ppm	0.1855 ppm	0.2341 ppm	0.9432 ppm	13.4794 ppm	0.0008 ppm
Concentration RSD	0.2 %	0.3 %	0.4 %	0.3 %	0.2 %	0.4 %	73.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.9539 ppm	0.4679 ppm	0.8871 ppm	36.0764 ppm	0.4671 ppm	0.4909 ppm	0.3115 ppm
Concentration per Run	14.9385 ppm	0.4681 ppm	0.8757 ppm	36.1777 ppm	0.4657 ppm	0.4910 ppm	0.3059 ppm
Concentration per Run	14.9418 ppm	0.4682 ppm	0.8888 ppm	35.8265 ppm	0.4667 ppm	0.4923 ppm	0.3141 ppm
Concentration per Run	14.9814 ppm	0.4693 ppm	0.8959 ppm	36.2248 ppm	0.4690 ppm	0.4894 ppm	0.3146 ppm
Concentration RSD	0.2 %	0.3 %	1.2 %	0.6 %	0.4 %	0.3 %	1.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1117 ppm	3.8395 ppm	0.8890 ppm	1.0555 ppm	0.9318 ppm	0.1129 ppm	0.4820 ppm
Concentration per Run	0.1099 ppm	3.8298 ppm	0.8850 ppm	1.0646 ppm	0.9305 ppm	0.1141 ppm	0.4814 ppm
Concentration per Run	0.1119 ppm	3.8462 ppm	0.8847 ppm	1.0513 ppm	0.9302 ppm	0.1137 ppm	0.4826 ppm
Concentration per Run	0.1132 ppm	3.8425 ppm	0.8972 ppm	1.0605 ppm	0.9346 ppm	0.1109 ppm	0.4820 ppm
Concentration RSD	1.5 %	0.2 %	0.8 %	0.4 %	0.3 %	1.6 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4659 ppm	100.0027 %	104.7628 %	93.2858 %	99.4449 %	103.9329 %	98.7757 %
Concentration per Run	0.4629 ppm	100.3012 %	104.9805 %	93.0574 %	99.6028 %	103.8841 %	98.4420 %
Concentration per Run	0.4660 ppm	99.8565 %	105.6505 %	93.4095 %	99.4032 %	104.4177 %	99.0518 %
Concentration per Run	0.4687 ppm	99.8504 %	103.6572 %	93.3905 %	99.3288 %	103.4969 %	98.8335 %
Concentration RSD	0.6 %	0.3 %	1.0 %	0.2 %	0.1 %	0.4 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112034-10d5 WG2112034

Analysis started at: 9/11/2025 5:06:43 PM

Rack 1

Vial 49

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0012 ppm	-0.0004 ppm	0.0090 ppm	0.0076 ppm	0.0000 ppm	6.5111 ppm
Concentration per Run	-0.0005 ppm	0.0005 ppm	-0.0012 ppm	0.0006 ppm	0.0091 ppm	0.0000 ppm	6.5563 ppm
Concentration per Run	-0.0002 ppm	0.0018 ppm	-0.0003 ppm	0.0082 ppm	0.0077 ppm	0.0000 ppm	6.4717 ppm
Concentration per Run	0.0000 ppm	0.0013 ppm	0.0002 ppm	0.0096 ppm	0.0075 ppm	0.0000 ppm	6.5053 ppm
Concentration RSD	89.6 %	51.6 %	165.1 %	7.7 %	1.0 %	47.6 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0071 ppm	0.7991 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0077 ppm	0.8201 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0068 ppm	0.7909 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0002 ppm	0.0068 ppm	0.7863 ppm	0.0006 ppm
Concentration RSD	321.8 %	44.2 %	32.8 %	2.002.5 %	7.5 %	2.3 %	25.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1483 ppm	0.0007 ppm	0.0198 ppm	5.5621 ppm	0.0003 ppm	0.0006 ppm	0.0539 ppm
Concentration per Run	1.1592 ppm	0.0007 ppm	0.0195 ppm	5.5808 ppm	0.0006 ppm	0.0004 ppm	0.0553 ppm
Concentration per Run	1.1408 ppm	0.0007 ppm	0.0200 ppm	5.5520 ppm	0.0000 ppm	0.0005 ppm	0.0537 ppm
Concentration per Run	1.1447 ppm	0.0007 ppm	0.0200 ppm	5.5533 ppm	0.0004 ppm	0.0008 ppm	0.0525 ppm
Concentration RSD	0.8 %	4.8 %	1.6 %	0.3 %	86.2 %	29.7 %	2.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	0.6452 ppm	0.0469 ppm	0.0239 ppm	0.0017 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	-0.0011 ppm	0.6486 ppm	0.0494 ppm	0.0241 ppm	0.0017 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run	0.0022 ppm	0.6477 ppm	0.0471 ppm	0.0238 ppm	0.0017 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run	0.0009 ppm	0.6395 ppm	0.0443 ppm	0.0238 ppm	0.0017 ppm	0.0001 ppm	0.0002 ppm
Concentration RSD	246.0 %	0.8 %	5.5 %	0.6 %	1.7 %	77.8 %	10.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	102.4483 %	103.7220 %	100.8360 %	102.2371 %	102.9334 %	102.1286 %
Concentration per Run	0.0007 ppm	101.6369 %	103.0404 %	100.7058 %	101.4423 %	102.6360 %	101.8569 %
Concentration per Run	0.0008 ppm	102.6765 %	103.9072 %	101.0924 %	102.4366 %	102.6532 %	102.3695 %
Concentration per Run	0.0006 ppm	103.0314 %	104.2182 %	100.7097 %	102.8324 %	103.5109 %	102.1593 %
Concentration RSD	12.7 %	0.7 %	0.6 %	0.2 %	0.7 %	0.5 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/11/2025 5:10:08 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4705 ppm	0.4633 ppm	0.4678 ppm	0.4881 ppm	0.4714 ppm	0.4885 ppm	0.4883 ppm
Concentration per Run	0.4709 ppm	0.4661 ppm	0.4641 ppm	0.4680 ppm	0.4728 ppm	0.4877 ppm	0.4876 ppm
Concentration per Run	0.4703 ppm	0.4625 ppm	0.4694 ppm	0.4703 ppm	0.4711 ppm	0.4898 ppm	0.4906 ppm
Concentration per Run	0.4703 ppm	0.4614 ppm	0.4700 ppm	0.4661 ppm	0.4704 ppm	0.4880 ppm	0.4883 ppm
Recovery Percentage	94.100 %	92.668 %	93.569 %	93.628 %	94.281 %	97.697 %	97.762 %
Concentration RSD	0.1 %	0.5 %	0.7 %	0.5 %	0.3 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4828 ppm	0.4826 ppm	0.4838 ppm	0.4856 ppm	0.4890 ppm	4.9471 ppm	0.5075 ppm
Concentration per Run	0.4837 ppm	0.4814 ppm	0.4849 ppm	0.4851 ppm	0.4880 ppm	4.9623 ppm	0.5049 ppm
Concentration per Run	0.4817 ppm	0.4841 ppm	0.4830 ppm	0.4871 ppm	0.4892 ppm	4.9184 ppm	0.5066 ppm
Concentration per Run	0.4831 ppm	0.4824 ppm	0.4833 ppm	0.4847 ppm	0.4899 ppm	4.9605 ppm	0.5110 ppm
Recovery Percentage	96.568 %	96.525 %	96.751 %	97.121 %	97.804 %	98.942 %	101.498 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.3 %	0.2 %	0.5 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4840 ppm	0.4923 ppm	0.4777 ppm	9.9662 ppm	0.4896 ppm	0.4772 ppm	0.5226 ppm
Concentration per Run	0.4859 ppm	0.4916 ppm	0.4763 ppm	9.9261 ppm	0.4891 ppm	0.4769 ppm	0.5243 ppm
Concentration per Run	0.4820 ppm	0.4933 ppm	0.4784 ppm	9.9842 ppm	0.4890 ppm	0.4763 ppm	0.5235 ppm
Concentration per Run	0.4840 ppm	0.4920 ppm	0.4783 ppm	9.9884 ppm	0.4907 ppm	0.4783 ppm	0.5201 ppm
Recovery Percentage	96.793 %	98.459 %	95.536 %	99.662 %	97.916 %	95.436 %	104.526 %
Concentration RSD	0.4 %	0.2 %	0.2 %	0.3 %	0.2 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4618 ppm	5.1134 ppm	0.4976 ppm	0.4924 ppm	0.4798 ppm	0.4897 ppm	0.4873 ppm
Concentration per Run	0.4572 ppm	5.1026 ppm	0.4998 ppm	0.4922 ppm	0.4794 ppm	0.4844 ppm	0.4871 ppm
Concentration per Run	0.4623 ppm	5.1084 ppm	0.4972 ppm	0.4908 ppm	0.4789 ppm	0.4936 ppm	0.4871 ppm
Concentration per Run	0.4659 ppm	5.1292 ppm	0.4958 ppm	0.4943 ppm	0.4812 ppm	0.4911 ppm	0.4875 ppm
Recovery Percentage	92.360 %	97.398 %	99.519 %	98.486 %	95.966 %	97.939 %	97.455 %
Concentration RSD	0.9 %	0.3 %	0.4 %	0.4 %	0.2 %	1.0 %	0.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4788 ppm	104.5507 %	104.8458 %	99.5324 %	103.9516 %	104.3977 %	102.6233 %
Concentration per Run	0.4812 ppm	104.7542 %	105.7123 %	99.4844 %	104.0555 %	105.2894 %	102.4834 %
Concentration per Run	0.4773 ppm	104.4157 %	105.2063 %	99.1652 %	103.9026 %	104.9439 %	102.2528 %
Concentration per Run	0.4778 ppm	104.4820 %	103.6188 %	99.9475 %	103.8968 %	102.9600 %	103.1337 %
Recovery Percentage	95.760 %						
Concentration RSD	0.4 %	0.2 %	1.0 %	0.4 %	0.1 %	1.2 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 5:13:33 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0008 ppm	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0062 ppm
Concentration per Run	-0.0006 ppm	-0.0008 ppm	0.0007 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0052 ppm
Concentration per Run	-0.0004 ppm	0.0028 ppm	-0.0011 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0066 ppm
Concentration per Run	-0.0005 ppm	0.0005 ppm	-0.0002 ppm	-0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0067 ppm
Recovery Percentage	-10.174 %	0.836 %	-3.475 %	0.505 %	0.877 %	1.386 %	6.173 %
Concentration RSD	13.9 %	217.6 %	507.9 %	554.9 %	107.9 %	11.0 %	13.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0017 ppm	0.0123 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0002 ppm	0.0019 ppm	0.0111 ppm	-0.0009 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0013 ppm	0.0188 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0019 ppm	0.0070 ppm	0.0001 ppm
Recovery Percentage	2.571 %	1.368 %	1.032 %	-1.652 %	3.400 %	0.493 %	-2.434 %
Concentration RSD	17.4 %	132.2 %	162.5 %	106.0 %	21.6 %	48.5 %	228.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0213 ppm	0.0001 ppm	0.0007 ppm	0.0085 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	0.0005 ppm	0.0235 ppm	0.0005 ppm	0.0005 ppm	0.0098 ppm
Concentration per Run	0.0006 ppm	0.0001 ppm	0.0061 ppm	0.0228 ppm	0.0000 ppm	0.0008 ppm	0.0064 ppm
Concentration per Run	0.0007 ppm	0.0001 ppm	0.0066 ppm	0.0175 ppm	0.0000 ppm	0.0007 ppm	0.0095 ppm
Recovery Percentage	0.331 %	1.254 %	12.771 %	1.063 %	0.570 %	6.788 %	17.165 %
Concentration RSD	159.9 %	34.6 %	4.4 %	15.4 %	219.1 %	25.3 %	21.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0033 ppm	-0.0011 ppm	0.0061 ppm	0.0001 ppm	0.0007 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	0.0035 ppm	0.0004 ppm	0.0057 ppm	0.0001 ppm	0.0009 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0034 ppm	-0.0024 ppm	0.0067 ppm	0.0001 ppm	0.0007 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	0.0029 ppm	-0.0012 ppm	0.0060 ppm	0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm
Recovery Percentage	33.007 %	-0.216 %	12.219 %	0.744 %	7.482 %	2.578 %	-0.021 %
Concentration RSD	9.6 %	131.9 %	8.3 %	27.1 %	15.0 %	114.7 %	2,009.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	101.6423 %	101.5427 %	100.6519 %	103.1882 %	102.6331 %	102.1970 %
Concentration per Run	0.0006 ppm	101.8914 %	101.8348 %	100.4536 %	103.2814 %	102.9834 %	101.8042 %
Concentration per Run	0.0006 ppm	100.7259 %	101.1167 %	100.6511 %	102.6511 %	102.7292 %	102.9034 %
Concentration per Run	0.0007 ppm	102.3096 %	100.4177 %	100.3854 %	103.6321 %	102.1868 %	101.8833 %
Recovery Percentage	12.741 %						
Concentration RSD	14.4 %	0.8 %	1.0 %	0.4 %	0.5 %	0.4 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-05 WG2112034

Analysis started at: 9/11/2025 5:18:55 PM

Rack 1

Vial 58

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0026 ppm	0.0001 ppm	0.0121 ppm	0.0359 ppm	0.0000 ppm	13.3091 ppm
Concentration per Run	-0.0004 ppm	-0.0050 ppm	0.0004 ppm	0.0122 ppm	0.0359 ppm	0.0000 ppm	13.3278 ppm
Concentration per Run	-0.0004 ppm	-0.0013 ppm	-0.0002 ppm	0.0124 ppm	0.0360 ppm	0.0001 ppm	13.3786 ppm
Concentration per Run	-0.0002 ppm	-0.0014 ppm	0.0001 ppm	0.0117 ppm	0.0358 ppm	0.0000 ppm	13.2210 ppm
Concentration RSD	41.1 %	81.3 %	281.9 %	3.0 %	0.3 %	18.8 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0037 ppm	0.0002 ppm	0.0032 ppm	1.0726 ppm	0.0023 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0037 ppm	0.0000 ppm	0.0038 ppm	1.0902 ppm	0.0028 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0038 ppm	0.0001 ppm	0.0025 ppm	1.0687 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0037 ppm	0.0002 ppm	0.0033 ppm	1.0587 ppm	0.0018 ppm
Concentration RSD	165.6 %	456.3 %	1.3 %	34.1 %	20.5 %	1.5 %	21.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.3882 ppm	0.0007 ppm	0.0014 ppm	13.8960 ppm	0.0036 ppm	0.0014 ppm	0.0015 ppm
Concentration per Run	5.4100 ppm	0.0008 ppm	0.0014 ppm	13.9087 ppm	0.0021 ppm	0.0021 ppm	0.0031 ppm
Concentration per Run	5.3618 ppm	0.0006 ppm	0.0013 ppm	13.9321 ppm	0.0036 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	5.3929 ppm	0.0008 ppm	0.0016 ppm	13.8473 ppm	0.0032 ppm	0.0007 ppm	0.0014 ppm
Concentration RSD	0.5 %	10.7 %	13.3 %	0.3 %	9.4 %	50.2 %	103.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	8.7773 ppm	0.0005 ppm	0.0809 ppm	0.0002 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run	-0.0006 ppm	8.7949 ppm	0.0006 ppm	0.0812 ppm	0.0003 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run	-0.0002 ppm	8.7605 ppm	0.0003 ppm	0.0811 ppm	0.0002 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run	0.0007 ppm	8.7766 ppm	0.0005 ppm	0.0803 ppm	0.0002 ppm	0.0005 ppm	0.0003 ppm
Concentration RSD	3.159.3 %	0.2 %	28.0 %	0.6 %	31.4 %	375.7 %	34.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0109 ppm	103.0121 %	104.6991 %	99.5332 %	102.9144 %	105.1940 %	102.0185 %
Concentration per Run	0.0111 ppm	102.9183 %	104.7190 %	99.9563 %	103.0036 %	106.2475 %	102.1464 %
Concentration per Run	0.0108 ppm	103.0129 %	103.2853 %	99.1958 %	102.7518 %	103.7284 %	102.0975 %
Concentration per Run	0.0107 ppm	103.1051 %	106.0931 %	99.4475 %	102.9878 %	105.6062 %	101.8116 %
Concentration RSD	1.8 %	0.1 %	1.3 %	0.4 %	0.1 %	1.2 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-06 WG2112034

Analysis started at: 9/11/2025 5:22:25 PM

Rack 1

Vial 59

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0003 ppm	-0.0005 ppm	0.0174 ppm	0.0410 ppm	0.0000 ppm	7.7341 ppm
Concentration per Run	-0.0005 ppm	0.0059 ppm	0.0000 ppm	0.0181 ppm	0.0412 ppm	0.0000 ppm	7.8036 ppm
Concentration per Run	-0.0005 ppm	-0.0041 ppm	-0.0004 ppm	0.0170 ppm	0.0407 ppm	0.0000 ppm	7.6950 ppm
Concentration per Run	0.0000 ppm	-0.0027 ppm	-0.0011 ppm	0.0170 ppm	0.0411 ppm	0.0000 ppm	7.7038 ppm
Concentration RSD	91.5 %	1,742.2 %	118.1 %	3.7 %	0.7 %	48.3 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.0023 ppm	0.0061 ppm	0.9800 ppm	-0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0023 ppm	0.0062 ppm	0.9976 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0007 ppm	0.0021 ppm	0.0055 ppm	0.9673 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0024 ppm	0.0065 ppm	0.9749 ppm	-0.0004 ppm
Concentration RSD	1,396.4 %	221.0 %	9.4 %	6.7 %	8.4 %	1.6 %	518.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.9098 ppm	0.0221 ppm	0.0008 ppm	33.3364 ppm	0.0013 ppm	0.0010 ppm	0.0013 ppm
Concentration per Run	2.8958 ppm	0.0222 ppm	0.0006 ppm	33.5289 ppm	0.0016 ppm	0.0013 ppm	0.0022 ppm
Concentration per Run	2.9253 ppm	0.0220 ppm	0.0008 ppm	33.2120 ppm	0.0012 ppm	0.0005 ppm	0.0017 ppm
Concentration per Run	2.9082 ppm	0.0219 ppm	0.0010 ppm	33.2684 ppm	0.0011 ppm	0.0012 ppm	-0.0001 ppm
Concentration RSD	0.5 %	0.6 %	26.1 %	0.5 %	21.2 %	45.1 %	97.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0005 ppm	5.1271 ppm	0.0001 ppm	0.0382 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	-0.0005 ppm	5.1365 ppm	-0.0004 ppm	0.0384 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	0.0018 ppm	5.1259 ppm	0.0006 ppm	0.0381 ppm	0.0004 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0003 ppm	5.1191 ppm	0.0000 ppm	0.0382 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm
Concentration RSD	228.5 %	0.2 %	542.4 %	0.3 %	9.4 %	95.5 %	236.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0050 ppm	101.5712 %	103.9741 %	97.5896 %	101.3584 %	103.4245 %	100.3462 %
Concentration per Run	0.0049 ppm	101.9151 %	102.1604 %	97.0958 %	101.7285 %	101.7250 %	100.1725 %
Concentration per Run	0.0051 ppm	101.3463 %	105.4582 %	97.6888 %	101.2279 %	104.6664 %	100.2321 %
Concentration per Run	0.0049 ppm	101.4523 %	104.3037 %	97.9840 %	101.1190 %	103.8822 %	100.6342 %
Concentration RSD	2.6 %	0.3 %	1.6 %	0.5 %	0.3 %	1.5 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-07 WG2112034

Analysis started at: 9/11/2025 5:25:51 PM

Rack 1

Vial 60

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0002 ppm	-0.0008 ppm	0.0202 ppm	0.0257 ppm	0.0000 ppm	10.5032 ppm
Concentration per Run	-0.0003 ppm	-0.0013 ppm	-0.0006 ppm	0.0202 ppm	0.0258 ppm	0.0000 ppm	10.5615 ppm
Concentration per Run	-0.0002 ppm	0.0013 ppm	-0.0006 ppm	0.0200 ppm	0.0256 ppm	0.0000 ppm	10.5015 ppm
Concentration per Run	-0.0003 ppm	-0.0006 ppm	-0.0011 ppm	0.0203 ppm	0.0258 ppm	0.0000 ppm	10.4468 ppm
Concentration RSD	23.9 %	662.5 %	37.7 %	0.9 %	0.4 %	19.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0005 ppm	0.0023 ppm	1.2885 ppm	0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0014 ppm	1.3166 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0004 ppm	0.0005 ppm	0.0029 ppm	1.2662 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0004 ppm	0.0027 ppm	1.2827 ppm	0.0001 ppm
Concentration RSD	57.6 %	455.9 %	39.6 %	8.5 %	34.5 %	2.0 %	335.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.5977 ppm	0.0011 ppm	0.0005 ppm	44.7506 ppm	0.0005 ppm	0.0007 ppm	0.0012 ppm
Concentration per Run	3.6016 ppm	0.0011 ppm	0.0006 ppm	44.7337 ppm	0.0007 ppm	0.0006 ppm	0.0011 ppm
Concentration per Run	3.5819 ppm	0.0012 ppm	0.0005 ppm	44.6594 ppm	0.0007 ppm	0.0003 ppm	0.0022 ppm
Concentration per Run	3.6095 ppm	0.0012 ppm	0.0003 ppm	44.8587 ppm	0.0002 ppm	0.0013 ppm	0.0001 ppm
Concentration RSD	0.4 %	6.0 %	23.6 %	0.2 %	60.4 %	65.2 %	90.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0007 ppm	3.4172 ppm	0.0004 ppm	0.0485 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run	-0.0002 ppm	3.4162 ppm	0.0004 ppm	0.0486 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	3.4220 ppm	-0.0001 ppm	0.0482 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run	-0.0018 ppm	3.4132 ppm	0.0007 ppm	0.0488 ppm	0.0005 ppm	0.0003 ppm	0.0002 ppm
Concentration RSD	148.1 %	0.1 %	110.6 %	0.6 %	61.2 %	415.4 %	47.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0011 ppm	101.2240 %	105.1165 %	97.4920 %	101.0947 %	104.6916 %	100.7393 %
Concentration per Run	0.0009 ppm	101.0281 %	104.4570 %	97.7258 %	100.8494 %	104.3699 %	100.7679 %
Concentration per Run	0.0012 ppm	101.4104 %	105.3954 %	97.0830 %	101.5213 %	104.2939 %	100.6040 %
Concentration per Run	0.0011 ppm	101.2334 %	105.4971 %	97.6672 %	100.9135 %	105.4109 %	100.8459 %
Concentration RSD	13.3 %	0.2 %	0.5 %	0.4 %	0.4 %	0.6 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-08 WG2112034

Analysis started at: 9/11/2025 5:29:19 PM

Rack

Vial

Comment

1

<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0034 ppm	-0.0006 ppm	0.0043 ppm	0.0149 ppm	0.0000 ppm	11.6719 ppm
Concentration per Run	-0.0005 ppm	-0.0024 ppm	-0.0006 ppm	0.0047 ppm	0.0148 ppm	0.0000 ppm	11.7722 ppm
Concentration per Run	-0.0003 ppm	-0.0038 ppm	0.0006 ppm	0.0042 ppm	0.0149 ppm	0.0000 ppm	11.6309 ppm
Concentration per Run	-0.0003 ppm	-0.0041 ppm	-0.0020 ppm	0.0039 ppm	0.0150 ppm	0.0000 ppm	11.6127 ppm
Concentration RSD	27.0 %	27.7 %	204.1 %	9.8 %	0.6 %	119.9 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0026 ppm	0.0007 ppm	0.0021 ppm	0.9375 ppm	0.0034 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0026 ppm	0.0006 ppm	0.0018 ppm	0.9529 ppm	0.0041 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0027 ppm	0.0008 ppm	0.0031 ppm	0.9354 ppm	0.0031 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0025 ppm	0.0008 ppm	0.0014 ppm	0.9241 ppm	0.0030 ppm
Concentration RSD	22.8 %	533.2 %	4.0 %	13.7 %	44.9 %	1.5 %	17.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.6394 ppm	0.0001 ppm	0.0002 ppm	8.5336 ppm	0.0004 ppm	0.0010 ppm	0.0010 ppm
Concentration per Run	5.6423 ppm	0.0001 ppm	0.0001 ppm	8.5650 ppm	0.0002 ppm	0.0008 ppm	-0.0006 ppm
Concentration per Run	5.6775 ppm	0.0001 ppm	0.0001 ppm	8.5728 ppm	0.0002 ppm	0.0010 ppm	0.0011 ppm
Concentration per Run	5.5985 ppm	0.0002 ppm	0.0005 ppm	8.4629 ppm	0.0007 ppm	0.0012 ppm	0.0023 ppm
Concentration RSD	0.7 %	14.6 %	85.2 %	0.7 %	86.9 %	23.1 %	151.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0006 ppm	8.6450 ppm	-0.0001 ppm	0.0495 ppm	0.0002 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	-0.0008 ppm	8.6503 ppm	-0.0003 ppm	0.0492 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	8.6601 ppm	-0.0001 ppm	0.0494 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run	-0.0009 ppm	8.6246 ppm	0.0001 ppm	0.0497 ppm	0.0003 ppm	0.0013 ppm	0.0000 ppm
Concentration RSD	85.1 %	0.2 %	214.7 %	0.5 %	42.2 %	134.6 %	83.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0016 ppm	103.2578 %	105.2584 %	99.5662 %	103.3701 %	104.5401 %	101.9132 %
Concentration per Run	0.0016 ppm	103.1068 %	104.1786 %	99.8385 %	103.3195 %	103.8751 %	102.0431 %
Concentration per Run	0.0015 ppm	102.7776 %	105.4711 %	99.2160 %	102.8696 %	104.3550 %	101.4957 %
Concentration per Run	0.0016 ppm	103.8890 %	106.1255 %	99.6443 %	103.9212 %	105.3901 %	102.2008 %
Concentration RSD	3.1 %	0.6 %	0.9 %	0.3 %	0.5 %	0.7 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555806-01 WG2112034

Analysis started at: 9/11/2025 5:32:44 PM

Rack 2

Vial 2

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0041 ppm	-0.0005 ppm	0.0313 ppm	0.0382 ppm	0.0000 ppm	29.9771 ppm
Concentration per Run	-0.0006 ppm	0.0046 ppm	-0.0020 ppm	0.0315 ppm	0.0387 ppm	0.0000 ppm	30.2653 ppm
Concentration per Run	-0.0003 ppm	-0.0006 ppm	0.0014 ppm	0.0306 ppm	0.0378 ppm	0.0000 ppm	30.0622 ppm
Concentration per Run	-0.0006 ppm	0.0082 ppm	-0.0008 ppm	0.0317 ppm	0.0381 ppm	0.0001 ppm	29.6038 ppm
Concentration RSD	39.6 %	108.2 %	373.8 %	1.9 %	1.3 %	34.0 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0210 ppm	3.4065 ppm	0.0018 ppm
Concentration per Run	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0211 ppm	3.4620 ppm	0.0017 ppm
Concentration per Run	-0.0003 ppm	-0.0002 ppm	0.0004 ppm	0.0007 ppm	0.0208 ppm	3.3875 ppm	0.0025 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0212 ppm	3.3701 ppm	0.0012 ppm
Concentration RSD	8.8 %	354.3 %	85.8 %	14.1 %	0.9 %	1.4 %	36.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5441 ppm	0.0020 ppm	0.0011 ppm	24.1612 ppm	0.0005 ppm	0.0008 ppm	0.0013 ppm
Concentration per Run	5.5361 ppm	0.0018 ppm	0.0011 ppm	24.1325 ppm	0.0004 ppm	0.0004 ppm	0.0022 ppm
Concentration per Run	5.5205 ppm	0.0021 ppm	0.0007 ppm	24.3463 ppm	0.0002 ppm	0.0010 ppm	0.0020 ppm
Concentration per Run	5.5759 ppm	0.0020 ppm	0.0014 ppm	24.0048 ppm	0.0010 ppm	0.0010 ppm	-0.0004 ppm
Concentration RSD	0.5 %	7.9 %	31.8 %	0.7 %	79.6 %	40.4 %	112.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0006 ppm	3.0507 ppm	0.0000 ppm	0.1167 ppm	0.0001 ppm	-0.0002 ppm	0.0007 ppm
Concentration per Run	0.0003 ppm	3.0521 ppm	-0.0003 ppm	0.1175 ppm	0.0002 ppm	0.0014 ppm	0.0007 ppm
Concentration per Run	-0.0015 ppm	3.0438 ppm	0.0003 ppm	0.1170 ppm	0.0000 ppm	-0.0004 ppm	0.0006 ppm
Concentration per Run	-0.0006 ppm	3.0561 ppm	-0.0001 ppm	0.1156 ppm	0.0001 ppm	-0.0015 ppm	0.0007 ppm
Concentration RSD	156.2 %	0.2 %	846.3 %	0.8 %	111.0 %	943.4 %	9.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	101.2088 %	104.5039 %	96.3381 %	100.7945 %	103.6268 %	99.4389 %
Concentration per Run	0.0005 ppm	101.0917 %	103.3496 %	96.2384 %	100.6756 %	102.9138 %	99.7006 %
Concentration per Run	0.0006 ppm	101.5124 %	103.9298 %	96.3533 %	100.8797 %	103.5143 %	99.4206 %
Concentration per Run	0.0007 ppm	101.0224 %	106.2323 %	96.4225 %	100.8281 %	104.4523 %	99.1954 %
Concentration RSD	22.2 %	0.3 %	1.5 %	0.1 %	0.1 %	0.7 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555806-02 WG2112034

Analysis started at: 9/11/2025 5:36:10 PM

Rack 2

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0075 ppm	-0.0007 ppm	0.0311 ppm	0.0390 ppm	0.0000 ppm	30.5108 ppm
Concentration per Run	-0.0003 ppm	0.0078 ppm	-0.0007 ppm	0.0313 ppm	0.0391 ppm	0.0000 ppm	30.5907 ppm
Concentration per Run	-0.0003 ppm	0.0051 ppm	0.0007 ppm	0.0302 ppm	0.0390 ppm	0.0000 ppm	30.5672 ppm
Concentration per Run	-0.0004 ppm	0.0096 ppm	-0.0022 ppm	0.0317 ppm	0.0388 ppm	0.0000 ppm	30.3743 ppm
Concentration RSD	23.4 %	30.2 %	193.4 %	2.5 %	0.4 %	13.7 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0268 ppm	3.4093 ppm	0.0018 ppm
Concentration per Run	-0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0275 ppm	3.4308 ppm	0.0017 ppm
Concentration per Run	-0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0007 ppm	0.0264 ppm	3.4101 ppm	0.0016 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0265 ppm	3.3872 ppm	0.0020 ppm
Concentration RSD	11.7 %	141.2 %	42.1 %	20.5 %	2.3 %	0.6 %	11.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.6235 ppm	0.0165 ppm	0.0008 ppm	24.6831 ppm	0.0009 ppm	0.0004 ppm	-0.0014 ppm
Concentration per Run	5.6191 ppm	0.0164 ppm	0.0009 ppm	24.5250 ppm	0.0010 ppm	0.0008 ppm	-0.0013 ppm
Concentration per Run	5.5991 ppm	0.0165 ppm	0.0010 ppm	24.8536 ppm	0.0005 ppm	0.0004 ppm	-0.0031 ppm
Concentration per Run	5.6522 ppm	0.0165 ppm	0.0005 ppm	24.6707 ppm	0.0012 ppm	-0.0001 ppm	0.0001 ppm
Concentration RSD	0.5 %	0.4 %	31.9 %	0.7 %	36.0 %	116.5 %	110.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	3.1362 ppm	-0.0001 ppm	0.1182 ppm	0.0000 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run	-0.0018 ppm	3.1305 ppm	-0.0002 ppm	0.1183 ppm	0.0002 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run	0.0015 ppm	3.1371 ppm	-0.0004 ppm	0.1186 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run	0.0010 ppm	3.1409 ppm	0.0004 ppm	0.1177 ppm	-0.0001 ppm	-0.0002 ppm	0.0009 ppm
Concentration RSD	814.5 %	0.2 %	538.9 %	0.4 %	517.0 %	236.0 %	21.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0033 ppm	100.7717 %	104.4432 %	96.2245 %	100.3784 %	104.7857 %	99.2647 %
Concentration per Run	0.0032 ppm	100.9355 %	104.2225 %	96.7831 %	100.2963 %	104.8373 %	99.7565 %
Concentration per Run	0.0030 ppm	101.0073 %	104.0804 %	96.0987 %	100.8376 %	104.6504 %	99.3378 %
Concentration per Run	0.0035 ppm	100.3722 %	105.0267 %	95.7918 %	100.0013 %	104.8693 %	98.6998 %
Concentration RSD	7.3 %	0.3 %	0.5 %	0.5 %	0.4 %	0.1 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555806-03 WG2112034

Analysis started at: 9/11/2025 5:39:35 PM

Rack 2

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0152 ppm	0.0003 ppm	0.0300 ppm	0.0378 ppm	0.0000 ppm	29.5302 ppm
Concentration per Run	-0.0003 ppm	0.0139 ppm	-0.0005 ppm	0.0297 ppm	0.0379 ppm	0.0001 ppm	29.4965 ppm
Concentration per Run	-0.0004 ppm	0.0163 ppm	0.0009 ppm	0.0301 ppm	0.0378 ppm	0.0000 ppm	29.5784 ppm
Concentration per Run	-0.0003 ppm	0.0153 ppm	0.0004 ppm	0.0303 ppm	0.0377 ppm	0.0000 ppm	29.5158 ppm
Concentration RSD	16.2 %	7.8 %	276.5 %	1.1 %	0.2 %	33.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0006 ppm	0.0329 ppm	3.3718 ppm	0.0027 ppm
Concentration per Run	-0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0004 ppm	0.0325 ppm	3.3786 ppm	0.0034 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0003 ppm	0.0331 ppm	3.3595 ppm	0.0025 ppm
Concentration per Run	-0.0003 ppm	0.0006 ppm	0.0001 ppm	0.0007 ppm	0.0332 ppm	3.3771 ppm	0.0023 ppm
Concentration RSD	5.7 %	38.0 %	68.8 %	36.4 %	1.2 %	0.3 %	21.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.4372 ppm	0.0223 ppm	0.0006 ppm	24.0403 ppm	0.0011 ppm	0.0002 ppm	0.0012 ppm
Concentration per Run	5.4510 ppm	0.0224 ppm	0.0008 ppm	24.0925 ppm	0.0011 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run	5.4060 ppm	0.0222 ppm	0.0005 ppm	23.9720 ppm	0.0013 ppm	0.0004 ppm	0.0015 ppm
Concentration per Run	5.4545 ppm	0.0224 ppm	0.0005 ppm	24.0565 ppm	0.0008 ppm	0.0000 ppm	0.0013 ppm
Concentration RSD	0.5 %	0.4 %	26.2 %	0.3 %	22.8 %	124.0 %	45.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	3.0815 ppm	-0.0004 ppm	0.1154 ppm	0.0001 ppm	0.0011 ppm	0.0007 ppm
Concentration per Run	0.0011 ppm	3.0850 ppm	-0.0003 ppm	0.1157 ppm	0.0001 ppm	0.0011 ppm	0.0008 ppm
Concentration per Run	0.0002 ppm	3.0727 ppm	-0.0001 ppm	0.1153 ppm	0.0002 ppm	0.0017 ppm	0.0007 ppm
Concentration per Run	-0.0004 ppm	3.0869 ppm	-0.0007 ppm	0.1152 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm
Concentration RSD	247.7 %	0.3 %	93.1 %	0.2 %	79.1 %	54.0 %	4.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0014 ppm	101.7192 %	104.8949 %	97.2808 %	101.2386 %	105.0194 %	100.4178 %
Concentration per Run	0.0012 ppm	102.0300 %	104.9023 %	97.4384 %	101.6333 %	105.7976 %	100.3116 %
Concentration per Run	0.0014 ppm	101.5849 %	105.3151 %	97.5077 %	101.1457 %	104.7527 %	100.6306 %
Concentration per Run	0.0015 ppm	101.5428 %	104.4674 %	96.8963 %	100.9367 %	104.5080 %	100.3110 %
Concentration RSD	10.2 %	0.3 %	0.4 %	0.3 %	0.4 %	0.7 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555806-04 WG2112034

Analysis started at: 9/11/2025 5:43:01 PM

Rack 2

Vial 5

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0021 ppm	0.0001 ppm	0.0300 ppm	0.0377 ppm	0.0000 ppm	30.1231 ppm
Concentration per Run	-0.0004 ppm	0.0025 ppm	0.0012 ppm	0.0301 ppm	0.0377 ppm	0.0000 ppm	30.1121 ppm
Concentration per Run	-0.0004 ppm	0.0052 ppm	-0.0001 ppm	0.0307 ppm	0.0376 ppm	0.0000 ppm	30.0445 ppm
Concentration per Run	-0.0004 ppm	-0.0015 ppm	-0.0009 ppm	0.0292 ppm	0.0377 ppm	0.0000 ppm	30.2127 ppm
Concentration RSD	8.5 %	160.1 %	1.31116 %	2.5 %	0.2 %	89.9 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0004 ppm	0.0222 ppm	3.3673 ppm	0.0022 ppm
Concentration per Run	-0.0003 ppm	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0229 ppm	3.3646 ppm	0.0025 ppm
Concentration per Run	-0.0004 ppm	0.0003 ppm	0.0003 ppm	0.0005 ppm	0.0215 ppm	3.3642 ppm	0.0022 ppm
Concentration per Run	-0.0003 ppm	0.0005 ppm	0.0004 ppm	0.0003 ppm	0.0221 ppm	3.3732 ppm	0.0018 ppm
Concentration RSD	11.6 %	84.4 %	182.3 %	32.5 %	3.2 %	0.2 %	16.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5112 ppm	0.0059 ppm	0.0005 ppm	24.3893 ppm	0.0008 ppm	0.0009 ppm	0.0005 ppm
Concentration per Run	5.5027 ppm	0.0060 ppm	0.0006 ppm	24.3236 ppm	0.0005 ppm	0.0016 ppm	-0.0013 ppm
Concentration per Run	5.4977 ppm	0.0059 ppm	0.0006 ppm	24.3753 ppm	0.0009 ppm	0.0008 ppm	0.0012 ppm
Concentration per Run	5.5333 ppm	0.0060 ppm	0.0004 ppm	24.4688 ppm	0.0009 ppm	0.0002 ppm	0.0017 ppm
Concentration RSD	0.3 %	0.4 %	23.9 %	0.3 %	27.6 %	77.3 %	313.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	3.0941 ppm	-0.0004 ppm	0.1155 ppm	0.0000 ppm	0.0008 ppm	0.0008 ppm
Concentration per Run	0.0016 ppm	3.1123 ppm	0.0002 ppm	0.1149 ppm	0.0000 ppm	0.0018 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	3.0866 ppm	-0.0002 ppm	0.1155 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run	0.0009 ppm	3.0833 ppm	-0.0011 ppm	0.1161 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm
Concentration RSD	91.9 %	0.5 %	169.8 %	0.5 %	253.8 %	118.1 %	13.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	100.1797 %	104.0022 %	96.0048 %	100.0828 %	103.5247 %	98.7895 %
Concentration per Run	0.0010 ppm	100.3214 %	103.6940 %	95.9480 %	100.4912 %	103.3090 %	98.6930 %
Concentration per Run	0.0010 ppm	100.1689 %	104.7242 %	95.9417 %	99.8580 %	103.8541 %	98.6507 %
Concentration per Run	0.0010 ppm	100.0490 %	103.5883 %	96.1248 %	99.8991 %	103.4110 %	99.0248 %
Concentration RSD	3.0 %	0.1 %	0.6 %	0.1 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555806-06 WG2112034

Analysis started at: 9/11/2025 5:46:27 PM

Rack 2

Vial 6

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0033 ppm	-0.0006 ppm	0.0315 ppm	0.0372 ppm	0.0000 ppm	29.1563 ppm
Concentration per Run	-0.0002 ppm	0.0011 ppm	-0.0015 ppm	0.0307 ppm	0.0372 ppm	0.0000 ppm	29.3375 ppm
Concentration per Run	-0.0004 ppm	0.0043 ppm	0.0000 ppm	0.0318 ppm	0.0374 ppm	0.0000 ppm	29.1119 ppm
Concentration per Run	-0.0001 ppm	0.0046 ppm	-0.0002 ppm	0.0318 ppm	0.0371 ppm	0.0000 ppm	29.0201 ppm
Concentration RSD	85.0 %	58.4 %	146.6 %	2.1 %	0.5 %	50.0 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0207 ppm	3.3466 ppm	0.0021 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0007 ppm	0.0205 ppm	3.3396 ppm	0.0025 ppm
Concentration per Run	-0.0003 ppm	-0.0002 ppm	0.0003 ppm	0.0007 ppm	0.0223 ppm	3.3720 ppm	0.0018 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0005 ppm	0.0192 ppm	3.3281 ppm	0.0021 ppm
Concentration RSD	1.5 %	263.6 %	124.4 %	13.2 %	7.5 %	0.7 %	17.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.4343 ppm	0.0020 ppm	0.0008 ppm	23.7949 ppm	0.0009 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run	5.4405 ppm	0.0020 ppm	0.0010 ppm	23.7174 ppm	0.0012 ppm	0.0010 ppm	-0.0010 ppm
Concentration per Run	5.4371 ppm	0.0018 ppm	0.0007 ppm	23.7929 ppm	0.0010 ppm	-0.0001 ppm	0.0011 ppm
Concentration per Run	5.4253 ppm	0.0020 ppm	0.0007 ppm	23.8743 ppm	0.0004 ppm	0.0002 ppm	0.0020 ppm
Concentration RSD	0.1 %	5.3 %	22.1 %	0.3 %	46.5 %	156.4 %	228.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0009 ppm	2.9860 ppm	0.0001 ppm	0.1141 ppm	0.0002 ppm	0.0003 ppm	0.0008 ppm
Concentration per Run	0.0003 ppm	2.9897 ppm	-0.0003 ppm	0.1142 ppm	0.0002 ppm	0.0009 ppm	0.0009 ppm
Concentration per Run	-0.0015 ppm	2.9915 ppm	0.0001 ppm	0.1145 ppm	0.0003 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run	-0.0014 ppm	2.9767 ppm	0.0006 ppm	0.1134 ppm	0.0002 ppm	0.0000 ppm	0.0008 ppm
Concentration RSD	113.2 %	0.3 %	383.2 %	0.5 %	22.1 %	136.4 %	3.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0016 ppm	101.7783 %	106.3314 %	97.4695 %	101.5291 %	105.3186 %	100.3446 %
Concentration per Run	0.0016 ppm	101.6747 %	106.1267 %	97.3376 %	101.5680 %	105.7276 %	100.3849 %
Concentration per Run	0.0016 ppm	101.6344 %	105.6499 %	97.5347 %	101.4105 %	103.7676 %	100.6386 %
Concentration per Run	0.0014 ppm	102.0258 %	107.2176 %	97.5361 %	101.6089 %	106.4606 %	100.0102 %
Concentration RSD	7.0 %	0.2 %	0.8 %	0.1 %	0.1 %	1.3 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555806-07 WG2112034

Analysis started at: 9/11/2025 5:49:53 PM

Rack 2

Vial 7

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0004 ppm	-0.0005 ppm	0.0322 ppm	0.0450 ppm	0.0001 ppm	28.0256 ppm
Concentration per Run	-0.0005 ppm	-0.0007 ppm	-0.0008 ppm	0.0315 ppm	0.0449 ppm	0.0001 ppm	27.8798 ppm
Concentration per Run	-0.0003 ppm	0.0016 ppm	-0.0011 ppm	0.0328 ppm	0.0452 ppm	0.0000 ppm	27.9772 ppm
Concentration per Run	-0.0002 ppm	-0.0020 ppm	0.0003 ppm	0.0322 ppm	0.0450 ppm	0.0000 ppm	28.2198 ppm
Concentration RSD	40.3 %	499.7 %	134.2 %	2.1 %	0.3 %	32.8 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0006 ppm	0.0119 ppm	3.2379 ppm	0.0021 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0129 ppm	3.2273 ppm	0.0025 ppm
Concentration per Run	-0.0003 ppm	0.0006 ppm	0.0001 ppm	0.0007 ppm	0.0110 ppm	3.2598 ppm	0.0021 ppm
Concentration per Run	-0.0002 ppm	0.0005 ppm	-0.0001 ppm	0.0006 ppm	0.0119 ppm	3.2267 ppm	0.0017 ppm
Concentration RSD	17.6 %	59.2 %	250.0 %	14.4 %	7.8 %	0.6 %	18.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.4279 ppm	0.0206 ppm	0.0004 ppm	22.5944 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	5.4142 ppm	0.0206 ppm	0.0002 ppm	22.4910 ppm	0.0010 ppm	0.0006 ppm	-0.0003 ppm
Concentration per Run	5.4262 ppm	0.0206 ppm	0.0004 ppm	22.6368 ppm	0.0005 ppm	-0.0004 ppm	0.0017 ppm
Concentration per Run	5.4431 ppm	0.0205 ppm	0.0005 ppm	22.6553 ppm	0.0006 ppm	0.0004 ppm	-0.0005 ppm
Concentration RSD	0.3 %	0.3 %	53.1 %	0.4 %	34.9 %	242.2 %	1,125.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	3.7593 ppm	-0.0004 ppm	0.1145 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run	0.0018 ppm	3.7667 ppm	-0.0004 ppm	0.1146 ppm	0.0003 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run	-0.0015 ppm	3.7471 ppm	-0.0007 ppm	0.1147 ppm	0.0002 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	3.7642 ppm	-0.0001 ppm	0.1142 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm
Concentration RSD	899.1 %	0.3 %	82.0 %	0.2 %	136.8 %	184.1 %	4.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0009 ppm	102.2758 %	105.7603 %	98.0313 %	102.0709 %	104.8625 %	101.0674 %
Concentration per Run	0.0009 ppm	102.6025 %	106.2388 %	97.7981 %	102.6931 %	105.2085 %	100.9985 %
Concentration per Run	0.0007 ppm	102.2014 %	105.7445 %	97.7959 %	101.5525 %	104.3513 %	100.9901 %
Concentration per Run	0.0009 ppm	102.0235 %	105.2977 %	98.4999 %	101.9671 %	105.0279 %	101.2137 %
Concentration RSD	12.2 %	0.3 %	0.4 %	0.4 %	0.6 %	0.4 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/11/2025 5:53:18 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4760 ppm	0.4711 ppm	0.4706 ppm	0.4776 ppm	0.4796 ppm	0.4951 ppm	0.4933 ppm
Concentration per Run	0.4746 ppm	0.4772 ppm	0.4703 ppm	0.4772 ppm	0.4814 ppm	0.4968 ppm	0.4963 ppm
Concentration per Run	0.4782 ppm	0.4661 ppm	0.4722 ppm	0.4755 ppm	0.4774 ppm	0.4932 ppm	0.4927 ppm
Concentration per Run	0.4753 ppm	0.4702 ppm	0.4693 ppm	0.4800 ppm	0.4801 ppm	0.4953 ppm	0.4917 ppm
Recovery Percentage	95.202 %	94.230 %	94.122 %	95.513 %	95.924 %	99.017 %	98.750 %
Concentration RSD	0.4 %	1.2 %	0.3 %	0.5 %	0.4 %	0.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4919 ppm	0.4921 ppm	0.4910 ppm	0.4945 ppm	0.4922 ppm	4.9842 ppm	0.5111 ppm
Concentration per Run	0.4915 ppm	0.4916 ppm	0.4905 ppm	0.4958 ppm	0.4934 ppm	5.0380 ppm	0.5128 ppm
Concentration per Run	0.4921 ppm	0.4916 ppm	0.4900 ppm	0.4943 ppm	0.4903 ppm	4.9549 ppm	0.5098 ppm
Concentration per Run	0.4922 ppm	0.4932 ppm	0.4926 ppm	0.4933 ppm	0.4931 ppm	4.9598 ppm	0.5108 ppm
Recovery Percentage	98.388 %	98.427 %	98.199 %	98.893 %	98.449 %	99.685 %	102.217 %
Concentration RSD	0.1 %	0.2 %	0.3 %	0.2 %	0.4 %	0.9 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4911 ppm	0.4960 ppm	0.4785 ppm	10.0805 ppm	0.4965 ppm	0.4801 ppm	0.5064 ppm
Concentration per Run	0.4919 ppm	0.4993 ppm	0.4745 ppm	10.1458 ppm	0.4967 ppm	0.4817 ppm	0.5017 ppm
Concentration per Run	0.4920 ppm	0.4932 ppm	0.4787 ppm	10.0351 ppm	0.4955 ppm	0.4790 ppm	0.5114 ppm
Concentration per Run	0.4895 ppm	0.4956 ppm	0.4822 ppm	10.0604 ppm	0.4972 ppm	0.4797 ppm	0.5062 ppm
Recovery Percentage	98.227 %	99.206 %	99.206 %	100.805 %	99.292 %	96.021 %	101.287 %
Concentration RSD	0.3 %	0.6 %	0.8 %	0.6 %	0.2 %	0.3 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4656 ppm	5.1996 ppm	0.4947 ppm	0.5004 ppm	0.4828 ppm	0.4901 ppm	0.4963 ppm
Concentration per Run	0.4635 ppm	5.1747 ppm	0.4946 ppm	0.4981 ppm	0.4791 ppm	0.4891 ppm	0.4963 ppm
Concentration per Run	0.4637 ppm	5.2162 ppm	0.4929 ppm	0.5014 ppm	0.4854 ppm	0.4916 ppm	0.4970 ppm
Concentration per Run	0.4695 ppm	5.2078 ppm	0.4966 ppm	0.5016 ppm	0.4838 ppm	0.4896 ppm	0.4957 ppm
Recovery Percentage	93.116 %	99.040 %	98.940 %	100.073 %	96.558 %	98.019 %	99.270 %
Concentration RSD	0.7 %	0.4 %	0.4 %	0.4 %	0.7 %	0.3 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4858 ppm	103.8946 %	102.0964 %	98.3458 %	102.0525 %	103.2977 %	101.0026 %
Concentration per Run	0.4862 ppm	101.9361 %	103.4215 %	97.9097 %	101.6215 %	103.2526 %	100.6505 %
Concentration per Run	0.4835 ppm	101.8526 %	104.6488 %	98.6718 %	101.9626 %	103.6840 %	101.0317 %
Concentration per Run	0.4879 ppm	102.5004 %	103.6135 %	98.4557 %	102.5735 %	102.9567 %	101.3256 %
Recovery Percentage	97.169 %						
Concentration RSD	0.5 %	0.3 %	0.6 %	0.4 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 5:56:44 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0018 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0058 ppm
Concentration per Run	-0.0003 ppm	-0.0030 ppm	-0.0004 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0045 ppm
Concentration per Run	-0.0002 ppm	-0.0008 ppm	0.0010 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0055 ppm
Concentration per Run	-0.0001 ppm	-0.0018 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0073 ppm
Recovery Percentage	-3.917 %	-1.848 %	9.547 %	-0.492 %	0.405 %	1.319 %	5.769 %
Concentration RSD	50.1 %	60.9 %	163.5 %	216.1 %	96.1 %	26.3 %	24.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0017 ppm	0.0133 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0022 ppm	0.0193 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	0.0000 ppm	-0.0002 ppm	0.0006 ppm	0.0140 ppm	-0.0008 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0023 ppm	0.0068 ppm	-0.0005 ppm
Recovery Percentage	2.509 %	-1.718 %	1.031 %	-1.949 %	3.391 %	0.534 %	-3.381 %
Concentration RSD	36.0 %	135.5 %	84.0 %	63.6 %	57.7 %	46.9 %	182.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0214 ppm	0.0003 ppm	-0.0003 ppm	0.0033 ppm
Concentration per Run	-0.0009 ppm	0.0003 ppm	0.0041 ppm	0.0214 ppm	0.0008 ppm	-0.0001 ppm	0.0038 ppm
Concentration per Run	0.0005 ppm	0.0002 ppm	0.0043 ppm	0.0182 ppm	0.0003 ppm	-0.0004 ppm	0.0018 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0040 ppm	0.0197 ppm	-0.0002 ppm	-0.0003 ppm	0.0041 ppm
Recovery Percentage	-0.044 %	1.969 %	8.269 %	0.990 %	1.081 %	-2.704 %	6.502 %
Concentration RSD	1.653.1 %	38.4 %	2.7 %	8.2 %	180.6 %	47.3 %	38.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0029 ppm	-0.0019 ppm	0.0022 ppm	0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run	0.0029 ppm	-0.0026 ppm	0.0019 ppm	0.0001 ppm	0.0006 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0026 ppm	-0.0021 ppm	0.0025 ppm	0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0030 ppm	-0.0010 ppm	0.0024 ppm	0.0001 ppm	0.0006 ppm	0.0004 ppm	-0.0001 ppm
Recovery Percentage	28.518 %	-0.375 %	4.485 %	0.847 %	5.835 %	0.633 %	-0.492 %
Concentration RSD	7.1 %	44.0 %	14.5 %	14.7 %	8.0 %	334.1 %	175.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	102.0026 %	102.0039 %	100.7485 %	103.6700 %	103.3021 %	102.2031 %
Concentration per Run	0.0006 ppm	101.9584 %	101.5348 %	100.2113 %	103.9351 %	102.8986 %	101.4086 %
Concentration per Run	0.0008 ppm	101.8106 %	102.3811 %	100.7565 %	103.3183 %	102.9194 %	102.3936 %
Concentration per Run	0.0007 ppm	102.2387 %	102.0957 %	101.2777 %	103.7565 %	104.0884 %	102.8071 %
Recovery Percentage	14.053 %						
Concentration RSD	13.9 %	0.2 %	0.4 %	0.5 %	0.3 %	0.7 %	0.7 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111288-1 WG2111288

Analysis started at: 9/11/2025 6:06:34 PM

Rack 2

Vial 8

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0036 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0033 ppm
Concentration per Run	-0.0005 ppm	-0.0057 ppm	-0.0014 ppm	-0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0044 ppm
Concentration per Run	-0.0003 ppm	-0.0056 ppm	-0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run	-0.0004 ppm	0.0004 ppm	-0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0029 ppm
Recovery Percentage	-7.272 %	-3.611 %	-17.999 %	-0.008 %	0.455 %	0.687 %	3.293 %
Concentration RSD	32.0 %	96.1 %	53.5 %	21.8612 %	152.6 %	15.7 %	28.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0007 ppm	0.0089 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0010 ppm	0.0094 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0002 ppm	0.0002 ppm	0.0016 ppm	0.0078 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0005 ppm	0.0094 ppm	-0.0003 ppm
Recovery Percentage	-0.088 %	-0.699 %	0.920 %	1.455 %	1.359 %	0.355 %	-0.231 %
Concentration RSD	1.8846 %	392.3 %	105.7 %	126.5 %	157.4 %	10.1 %	1.1956 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm	0.0090 ppm	0.0010 ppm	-0.0004 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0014 ppm	0.0109 ppm	0.0009 ppm	-0.0032 ppm
Concentration per Run	-0.0011 ppm	0.0002 ppm	0.0002 ppm	0.0013 ppm	0.0076 ppm	0.0010 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0085 ppm	0.0009 ppm	-0.0003 ppm
Recovery Percentage	-0.414 %	0.392 %	0.392 %	2.542 %	0.449 %	1.023 %	-0.832 %
Concentration RSD	143.6 %	303.8 %	14.1 %	18.6 %	347.9 %	15.4 %	646.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	-0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	-0.0004 ppm	-0.0006 ppm	-0.0006 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	0.0011 ppm	0.0003 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	0.0013 ppm	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0001 ppm
Recovery Percentage	6.759 %	-0.027 %	-0.875 %	0.532 %	1.537 %	0.731 %	-0.754 %
Concentration RSD	135.1 %	337.0 %	44.7 %	174.7 %	154.2 %	96.1 %	167.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	99.6776 %	103.3405 %	99.8551 %	100.9452 %	104.7865 %	99.9643 %
Concentration per Run	0.0002 ppm	99.8182 %	103.9001 %	100.4027 %	101.1775 %	104.8400 %	100.3849 %
Concentration per Run	0.0001 ppm	99.5048 %	103.3154 %	99.2041 %	100.6828 %	104.3606 %	99.1078 %
Concentration per Run	0.0004 ppm	99.7099 %	102.8059 %	99.9584 %	100.9751 %	105.1590 %	100.4002 %
Recovery Percentage	4.968 %						
Concentration RSD	50.0 %	0.2 %	0.5 %	0.6 %	0.2 %	0.4 %	0.7 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2556592-08 WG2113019

Analysis started at: 9/11/2025 6:10:15 PM

Rack 2

Vial 16

Comment FB

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0024 ppm	-0.0012 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0985 ppm
Concentration per Run	-0.0003 ppm	-0.0003 ppm	-0.0012 ppm	-0.0042 ppm	0.0005 ppm	0.0002 ppm	0.0989 ppm
Concentration per Run	-0.0001 ppm	-0.0022 ppm	-0.0008 ppm	-0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0994 ppm
Concentration per Run	-0.0004 ppm	-0.0007 ppm	-0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0971 ppm
Concentration RSD	69.7 %	73.6 %	33.1 %	133.5 %	43.9 %	53.2 %	1.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0408 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0021 ppm	0.0402 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0019 ppm	0.0487 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0009 ppm	0.0335 ppm	-0.0008 ppm
Concentration RSD	41.5 %	1.093.0 %	215.3 %	616.6 %	38.0 %	18.6 %	239.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0032 ppm	0.0000 ppm	0.0002 ppm	0.0560 ppm	0.0000 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0037 ppm	0.0001 ppm	0.0001 ppm	0.0580 ppm	0.0000 ppm	0.0009 ppm	0.0006 ppm
Concentration per Run	0.0029 ppm	0.0000 ppm	0.0005 ppm	0.0564 ppm	-0.0002 ppm	0.0007 ppm	-0.0008 ppm
Concentration per Run	0.0030 ppm	0.0001 ppm	0.0000 ppm	0.0537 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm
Concentration RSD	13.0 %	124.3 %	132.0 %	3.8 %	16.084.1 %	57.1 %	1,251.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	0.0036 ppm	-0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0006 ppm	0.0033 ppm	-0.0004 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run	-0.0006 ppm	0.0051 ppm	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0007 ppm	0.0025 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0009 ppm	-0.0002 ppm
Concentration RSD	306.5 %	36.2 %	67.0 %	5.3 %	80.2 %	111.9 %	286.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0056 ppm	103.6995 %	104.5462 %	101.4916 %	105.1426 %	105.6055 %	103.0010 %
Concentration per Run	0.0055 ppm	104.0369 %	103.7811 %	101.1140 %	105.4101 %	105.2582 %	102.6405 %
Concentration per Run	0.0058 ppm	104.1087 %	104.4605 %	101.5811 %	105.7455 %	105.0668 %	103.0472 %
Concentration per Run	0.0056 ppm	102.9530 %	105.3970 %	101.7796 %	104.2721 %	106.4915 %	103.3153 %
Concentration RSD	2.1 %	0.6 %	0.8 %	0.3 %	0.7 %	0.7 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-01 WG2111288

Analysis started at: 9/11/2025 6:13:41 PM

Rack 2

Vial 9

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.1535 ppm	-0.0006 ppm	0.0104 ppm	0.0336 ppm	0.0001 ppm	11.7216 ppm
Concentration per Run	-0.0004 ppm	0.1565 ppm	-0.0005 ppm	0.0102 ppm	0.0337 ppm	0.0001 ppm	11.8150 ppm
Concentration per Run	-0.0004 ppm	0.1494 ppm	-0.0025 ppm	0.0099 ppm	0.0335 ppm	0.0001 ppm	11.6154 ppm
Concentration per Run	-0.0003 ppm	0.1545 ppm	0.0013 ppm	0.0110 ppm	0.0336 ppm	0.0000 ppm	11.7344 ppm
Concentration RSD	19.4 %	2.4 %	324.1 %	5.5 %	0.4 %	28.9 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0033 ppm	0.0015 ppm	0.1974 ppm	1.0789 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0034 ppm	0.0014 ppm	0.1979 ppm	1.0838 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0031 ppm	0.0015 ppm	0.1951 ppm	1.0786 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0034 ppm	0.0015 ppm	0.1993 ppm	1.0741 ppm	0.0001 ppm
Concentration RSD	779.8 %	298.3 %	5.4 %	4.9 %	1.1 %	0.4 %	154.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5939 ppm	0.0736 ppm	0.0002 ppm	8.2917 ppm	0.0015 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	5.6256 ppm	0.0739 ppm	0.0000 ppm	8.2489 ppm	0.0012 ppm	0.0005 ppm	0.0006 ppm
Concentration per Run	5.6004 ppm	0.0734 ppm	0.0002 ppm	8.3122 ppm	0.0016 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run	5.5557 ppm	0.0736 ppm	0.0005 ppm	8.3140 ppm	0.0018 ppm	0.0008 ppm	-0.0005 ppm
Concentration RSD	0.6 %	0.3 %	124.6 %	0.4 %	20.7 %	40.8 %	550.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	5.3463 ppm	-0.0001 ppm	0.0662 ppm	0.0102 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run	-0.0005 ppm	5.3440 ppm	-0.0003 ppm	0.0662 ppm	0.0102 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run	0.0006 ppm	5.3658 ppm	0.0000 ppm	0.0660 ppm	0.0101 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	5.3290 ppm	-0.0001 ppm	0.0664 ppm	0.0103 ppm	-0.0003 ppm	0.0004 ppm
Concentration RSD	952.6 %	0.3 %	143.3 %	0.3 %	0.7 %	214.1 %	5.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0040 ppm	103.5111 %	105.5596 %	99.1351 %	103.6478 %	105.6787 %	101.6089 %
Concentration per Run	0.0041 ppm	103.8055 %	104.5445 %	99.7432 %	103.6358 %	105.3311 %	102.2116 %
Concentration per Run	0.0039 ppm	103.2837 %	105.5035 %	99.0168 %	103.6931 %	104.6921 %	101.3221 %
Concentration per Run	0.0041 ppm	103.4443 %	106.6307 %	98.6455 %	103.6146 %	107.0128 %	101.2930 %
Concentration RSD	2.8 %	0.3 %	1.0 %	0.6 %	0.0 %	1.1 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-03 WG2111288

Analysis started at: 9/11/2025 6:17:07 PM

Rack 2

Vial 10

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.1399 ppm	0.0001 ppm	0.0174 ppm	0.0444 ppm	0.0001 ppm	14.8024 ppm
Concentration per Run	-0.0004 ppm	0.1414 ppm	0.0016 ppm	0.0172 ppm	0.0446 ppm	0.0001 ppm	14.8381 ppm
Concentration per Run	-0.0003 ppm	0.1406 ppm	-0.0007 ppm	0.0172 ppm	0.0446 ppm	0.0001 ppm	14.7573 ppm
Concentration per Run	-0.0005 ppm	0.1379 ppm	-0.0004 ppm	0.0178 ppm	0.0438 ppm	0.0001 ppm	14.8118 ppm
Concentration RSD	27.4 %	1.3 %	855.1 %	2.0 %	1.0 %	21.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0020 ppm	0.0004 ppm	0.4196 ppm	1.2048 ppm	0.0019 ppm
Concentration per Run	-0.0002 ppm	0.0004 ppm	0.0021 ppm	0.0004 ppm	0.4204 ppm	1.2336 ppm	0.0024 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0021 ppm	0.0003 ppm	0.4236 ppm	1.2039 ppm	0.0015 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0018 ppm	0.0004 ppm	0.4147 ppm	1.1771 ppm	0.0017 ppm
Concentration RSD	36.7 %	30.7 %	8.0 %	14.1 %	1.1 %	2.3 %	25.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.7128 ppm	0.0151 ppm	0.0000 ppm	17.5824 ppm	0.0011 ppm	0.0006 ppm	-0.0003 ppm
Concentration per Run	6.7096 ppm	0.0150 ppm	-0.0001 ppm	17.5365 ppm	0.0009 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run	6.7553 ppm	0.0152 ppm	-0.0001 ppm	17.5277 ppm	0.0014 ppm	0.0014 ppm	0.0013 ppm
Concentration per Run	6.6734 ppm	0.0151 ppm	0.0001 ppm	17.6829 ppm	0.0011 ppm	0.0004 ppm	-0.0018 ppm
Concentration RSD	0.6 %	0.6 %	397.1 %	0.5 %	20.7 %	104.0 %	522.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	8.5088 ppm	-0.0003 ppm	0.0868 ppm	0.0040 ppm	0.0008 ppm	0.0011 ppm
Concentration per Run	-0.0004 ppm	8.5050 ppm	0.0000 ppm	0.0872 ppm	0.0039 ppm	0.0012 ppm	0.0010 ppm
Concentration per Run	0.0007 ppm	8.5206 ppm	-0.0002 ppm	0.0868 ppm	0.0040 ppm	-0.0001 ppm	0.0011 ppm
Concentration per Run	0.0004 ppm	8.5009 ppm	-0.0007 ppm	0.0864 ppm	0.0040 ppm	0.0012 ppm	0.0012 ppm
Concentration RSD	250.7 %	0.1 %	122.1 %	0.4 %	1.4 %	95.3 %	7.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0023 ppm	100.9794 %	103.8555 %	97.5647 %	101.0396 %	103.8435 %	100.7174 %
Concentration per Run	0.0023 ppm	101.0971 %	103.4434 %	97.4937 %	100.8122 %	103.6295 %	100.7679 %
Concentration per Run	0.0023 ppm	100.4980 %	103.8083 %	96.9388 %	100.7229 %	103.0553 %	100.2157 %
Concentration per Run	0.0023 ppm	101.3431 %	104.3149 %	98.2617 %	101.5836 %	104.8458 %	101.1686 %
Concentration RSD	1.2 %	0.4 %	0.4 %	0.7 %	0.5 %	0.9 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-04 WG2111288

Analysis started at: 9/11/2025 6:20:33 PM

Rack 2

Vial 11

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0014 ppm	-0.0009 ppm	0.0146 ppm	0.0228 ppm	0.0000 ppm	32.9262 ppm
Concentration per Run	-0.0005 ppm	0.0004 ppm	-0.0008 ppm	0.0139 ppm	0.0231 ppm	0.0000 ppm	32.9894 ppm
Concentration per Run	-0.0003 ppm	0.0027 ppm	-0.0019 ppm	0.0154 ppm	0.0227 ppm	0.0001 ppm	32.8701 ppm
Concentration per Run	-0.0004 ppm	0.0010 ppm	0.0000 ppm	0.0143 ppm	0.0227 ppm	0.0000 ppm	32.9192 ppm
Concentration RSD	27.7 %	87.1 %	106.5 %	5.5 %	1.0 %	143.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0006 ppm	0.0097 ppm	1.2424 ppm	-0.0002 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0004 ppm	0.0006 ppm	0.0100 ppm	1.2684 ppm	0.0004 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0004 ppm	0.0006 ppm	0.0092 ppm	1.2294 ppm	-0.0002 ppm
Concentration per Run	-0.0002 ppm	-0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0101 ppm	1.2292 ppm	-0.0007 ppm
Concentration RSD	17.0 %	400.0 %	30.6 %	4.3 %	5.1 %	1.8 %	341.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.9879 ppm	0.0005 ppm	0.0000 ppm	2.2744 ppm	-0.0002 ppm	0.0007 ppm	-0.0004 ppm
Concentration per Run	6.9775 ppm	0.0004 ppm	-0.0001 ppm	2.2836 ppm	-0.0001 ppm	0.0007 ppm	-0.0007 ppm
Concentration per Run	6.9591 ppm	0.0006 ppm	0.0003 ppm	2.2893 ppm	-0.0006 ppm	0.0008 ppm	-0.0020 ppm
Concentration per Run	7.0270 ppm	0.0005 ppm	-0.0002 ppm	2.2703 ppm	0.0001 ppm	0.0005 ppm	0.0015 ppm
Concentration RSD	0.5 %	16.1 %	6.319.1 %	0.4 %	198.5 %	25.7 %	425.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	2.7377 ppm	-0.0010 ppm	0.1432 ppm	0.0005 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run	0.0019 ppm	2.7331 ppm	-0.0015 ppm	0.1441 ppm	0.0004 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run	0.0006 ppm	2.7464 ppm	-0.0012 ppm	0.1433 ppm	0.0006 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run	0.0014 ppm	2.7335 ppm	-0.0003 ppm	0.1423 ppm	0.0005 ppm	0.0003 ppm	0.0004 ppm
Concentration RSD	48.8 %	0.3 %	63.8 %	0.6 %	16.6 %	242.1 %	37.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0013 ppm	101.7670 %	104.6858 %	97.3939 %	102.4608 %	104.9276 %	101.0445 %
Concentration per Run	0.0012 ppm	102.0800 %	104.2727 %	97.4167 %	102.8166 %	104.2514 %	100.8040 %
Concentration per Run	0.0014 ppm	101.9637 %	105.0105 %	96.9750 %	102.7084 %	105.7555 %	100.5562 %
Concentration per Run	0.0013 ppm	101.2574 %	104.7742 %	97.7898 %	101.8575 %	104.7760 %	101.7733 %
Concentration RSD	6.8 %	0.4 %	0.4 %	0.4 %	0.5 %	0.7 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-05 WG2111288

Analysis started at: 9/11/2025 6:24:00 PM

Rack 2

Vial 12

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0296 ppm	-0.0005 ppm	0.0123 ppm	0.0362 ppm	0.0000 ppm	13.2136 ppm
Concentration per Run	-0.0004 ppm	0.0331 ppm	0.0000 ppm	0.0128 ppm	0.0362 ppm	0.0000 ppm	13.1555 ppm
Concentration per Run	-0.0005 ppm	0.0272 ppm	-0.0007 ppm	0.0117 ppm	0.0363 ppm	0.0000 ppm	13.1912 ppm
Concentration per Run	-0.0002 ppm	0.0285 ppm	-0.0007 ppm	0.0123 ppm	0.0361 ppm	0.0000 ppm	13.2941 ppm
Concentration RSD	42.3 %	10.5 %	79.2 %	4.6 %	0.4 %	54.0 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0040 ppm	0.0001 ppm	0.0457 ppm	1.0614 ppm	0.0025 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0039 ppm	0.0002 ppm	0.0463 ppm	1.0686 ppm	0.0027 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0041 ppm	0.0000 ppm	0.0446 ppm	1.0630 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0040 ppm	0.0002 ppm	0.0461 ppm	1.0526 ppm	0.0026 ppm
Concentration RSD	105.4 %	100.0 %	2.2 %	65.8 %	2.0 %	0.8 %	11.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.4001 ppm	0.0009 ppm	-0.0002 ppm	13.8432 ppm	0.0034 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	5.3566 ppm	0.0008 ppm	-0.0001 ppm	13.9131 ppm	0.0032 ppm	0.0002 ppm	-0.0017 ppm
Concentration per Run	5.4180 ppm	0.0010 ppm	-0.0003 ppm	13.8077 ppm	0.0034 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run	5.4257 ppm	0.0009 ppm	-0.0001 ppm	13.8088 ppm	0.0037 ppm	0.0004 ppm	0.0008 ppm
Concentration RSD	0.7 %	11.2 %	81.3 %	0.4 %	7.1 %	45.2 %	661.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0006 ppm	8.7751 ppm	-0.0005 ppm	0.0808 ppm	0.0014 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run	0.0008 ppm	8.7794 ppm	-0.0002 ppm	0.0810 ppm	0.0014 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run	0.0015 ppm	8.7961 ppm	-0.0004 ppm	0.0805 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run	-0.0006 ppm	8.7497 ppm	-0.0008 ppm	0.0810 ppm	0.0013 ppm	0.0005 ppm	0.0005 ppm
Concentration RSD	192.4 %	0.3 %	64.6 %	0.4 %	7.2 %	190.9 %	33.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0100 ppm	101.6516 %	104.6022 %	98.0399 %	101.4259 %	104.1542 %	100.7774 %
Concentration per Run	0.0098 ppm	101.8493 %	105.0809 %	97.7574 %	101.7193 %	104.6672 %	100.8233 %
Concentration per Run	0.0100 ppm	101.3706 %	104.9561 %	97.6509 %	101.1530 %	103.4198 %	100.4265 %
Concentration per Run	0.0101 ppm	101.7350 %	103.7697 %	98.7115 %	101.4054 %	104.3755 %	101.0823 %
Concentration RSD	1.8 %	0.2 %	0.7 %	0.6 %	0.3 %	0.6 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-06 WG2111288

Analysis started at: 9/11/2025 6:27:28 PM

Rack 2

Vial 13

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0806 ppm	-0.0002 ppm	0.0165 ppm	0.0402 ppm	0.0000 ppm	7.3942 ppm
Concentration per Run	-0.0003 ppm	0.0840 ppm	0.0003 ppm	0.0160 ppm	0.0401 ppm	0.0001 ppm	7.3686 ppm
Concentration per Run	-0.0001 ppm	0.0800 ppm	-0.0003 ppm	0.0169 ppm	0.0403 ppm	0.0000 ppm	7.3987 ppm
Concentration per Run	-0.0005 ppm	0.0777 ppm	-0.0006 ppm	0.0165 ppm	0.0403 ppm	0.0000 ppm	7.4153 ppm
Concentration RSD	75.5 %	3.9 %	215.1 %	2.6 %	0.3 %	56.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0041 ppm	0.0020 ppm	0.1684 ppm	0.9436 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0041 ppm	0.0020 ppm	0.1703 ppm	0.9541 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0042 ppm	0.0020 ppm	0.1677 ppm	0.9415 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0041 ppm	0.0020 ppm	0.1673 ppm	0.9351 ppm	0.0000 ppm
Concentration RSD	471.5 %	66.5 %	2.2 %	1.4 %	1.0 %	1.0 %	175.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.8012 ppm	0.0291 ppm	0.0002 ppm	31.9442 ppm	0.0033 ppm	0.0005 ppm	-0.0007 ppm
Concentration per Run	2.8003 ppm	0.0291 ppm	0.0002 ppm	31.7027 ppm	0.0034 ppm	0.0008 ppm	-0.0015 ppm
Concentration per Run	2.8105 ppm	0.0290 ppm	0.0002 ppm	32.0846 ppm	0.0032 ppm	0.0010 ppm	-0.0011 ppm
Concentration per Run	2.7927 ppm	0.0291 ppm	0.0003 ppm	32.0452 ppm	0.0032 ppm	-0.0002 ppm	0.0005 ppm
Concentration RSD	0.3 %	0.2 %	32.9 %	0.7 %	4.0 %	119.3 %	152.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	4.9284 ppm	-0.0005 ppm	0.0407 ppm	0.0034 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run	-0.0004 ppm	4.9286 ppm	-0.0007 ppm	0.0405 ppm	0.0032 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run	0.0020 ppm	4.9479 ppm	0.0000 ppm	0.0408 ppm	0.0036 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run	-0.0013 ppm	4.9088 ppm	-0.0006 ppm	0.0406 ppm	0.0036 ppm	-0.0001 ppm	0.0002 ppm
Concentration RSD	1,736.2 %	0.4 %	79.1 %	0.3 %	6.6 %	181.8 %	27.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0043 ppm	102.1119 %	104.5317 %	97.3460 %	101.7521 %	104.4941 %	100.5116 %
Concentration per Run	0.0044 ppm	102.5795 %	105.2069 %	97.1943 %	102.4392 %	104.9658 %	100.3297 %
Concentration per Run	0.0043 ppm	101.8346 %	104.1522 %	97.9655 %	101.3470 %	104.1634 %	100.9662 %
Concentration per Run	0.0041 ppm	101.9215 %	104.2360 %	96.8783 %	101.4700 %	104.3531 %	100.2390 %
Concentration RSD	3.4 %	0.4 %	0.6 %	0.6 %	0.6 %	0.4 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-07 WG2111288

Analysis started at: 9/11/2025 6:40:02 PM

Rack 2

Vial 14

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0236 ppm	-0.0010 ppm	0.0193 ppm	0.0266 ppm	0.0000 ppm	10.4736 ppm
Concentration per Run	-0.0003 ppm	0.0214 ppm	-0.0010 ppm	0.0196 ppm	0.0263 ppm	0.0000 ppm	10.4160 ppm
Concentration per Run	-0.0001 ppm	0.0212 ppm	-0.0009 ppm	0.0199 ppm	0.0269 ppm	0.0000 ppm	10.4497 ppm
Concentration per Run	-0.0002 ppm	0.0282 ppm	-0.0011 ppm	0.0186 ppm	0.0265 ppm	0.0000 ppm	10.5551 ppm
Concentration RSD	36.7 %	17.0 %	13.2 %	3.6 %	1.1 %	41.1 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0013 ppm	0.0006 ppm	0.0330 ppm	1.2821 ppm	0.0004 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0011 ppm	0.0006 ppm	0.0328 ppm	1.2924 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0004 ppm	0.0326 ppm	1.2848 ppm	0.0004 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0014 ppm	0.0007 ppm	0.0335 ppm	1.2692 ppm	0.0005 ppm
Concentration RSD	22.5 %	126.7 %	15.3 %	26.3 %	1.4 %	0.9 %	35.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.6337 ppm	0.0167 ppm	0.0004 ppm	44.4688 ppm	0.0009 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run	3.6562 ppm	0.0166 ppm	0.0005 ppm	43.9351 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	3.6335 ppm	0.0167 ppm	0.0005 ppm	44.9862 ppm	0.0012 ppm	0.0005 ppm	-0.0008 ppm
Concentration per Run	3.6114 ppm	0.0168 ppm	0.0002 ppm	44.4852 ppm	0.0010 ppm	0.0008 ppm	0.0015 ppm
Concentration RSD	0.6 %	0.6 %	38.8 %	1.2 %	36.5 %	37.7 %	446.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	3.5039 ppm	-0.0003 ppm	0.0575 ppm	0.0009 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run	0.0019 ppm	3.4947 ppm	-0.0007 ppm	0.0572 ppm	0.0008 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	-0.0007 ppm	3.5160 ppm	0.0001 ppm	0.0582 ppm	0.0009 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run	0.0009 ppm	3.5009 ppm	-0.0003 ppm	0.0571 ppm	0.0009 ppm	-0.0004 ppm	0.0000 ppm
Concentration RSD	182.7 %	0.3 %	139.1 %	1.0 %	11.6 %	305.9 %	67.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0011 ppm	97.2212 %	103.9084 %	95.0517 %	96.0796 %	103.3944 %	96.8999 %
Concentration per Run	0.0011 ppm	96.7865 %	104.7291 %	95.1434 %	95.4676 %	103.4114 %	97.0014 %
Concentration per Run	0.0011 ppm	96.9262 %	103.6132 %	95.0556 %	95.9441 %	103.9764 %	96.7972 %
Concentration per Run	0.0010 ppm	97.9509 %	103.3831 %	94.9562 %	96.8272 %	102.7955 %	96.9010 %
Concentration RSD	6.3 %	0.7 %	0.7 %	0.1 %	0.7 %	0.6 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555605-08 WG2111288

Analysis started at: 9/11/2025 6:43:42 PM

Rack 2

Vial 15

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0051 ppm	-0.0008 ppm	0.0041 ppm	0.0148 ppm	0.0000 ppm	11.5172 ppm
Concentration per Run	-0.0003 ppm	0.0084 ppm	-0.0001 ppm	0.0039 ppm	0.0148 ppm	0.0001 ppm	11.4896 ppm
Concentration per Run	-0.0003 ppm	0.0030 ppm	-0.0013 ppm	0.0041 ppm	0.0147 ppm	0.0000 ppm	11.5210 ppm
Concentration per Run	-0.0005 ppm	0.0039 ppm	-0.0009 ppm	0.0044 ppm	0.0148 ppm	0.0000 ppm	11.5409 ppm
Concentration RSD	38.7 %	56.1 %	79.6 %	6.3 %	0.3 %	54.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0033 ppm	0.0003 ppm	0.0173 ppm	0.9228 ppm	0.0037 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0031 ppm	0.0003 ppm	0.0161 ppm	0.9398 ppm	0.0031 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0031 ppm	0.0003 ppm	0.0177 ppm	0.9079 ppm	0.0038 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0036 ppm	0.0003 ppm	0.0182 ppm	0.9207 ppm	0.0042 ppm
Concentration RSD	16.6 %	254.3 %	8.3 %	2.3 %	6.4 %	1.7 %	14.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5802 ppm	0.0018 ppm	-0.0001 ppm	8.3923 ppm	0.0010 ppm	0.0005 ppm	-0.0006 ppm
Concentration per Run	5.5817 ppm	0.0018 ppm	-0.0002 ppm	8.4154 ppm	0.0011 ppm	0.0002 ppm	-0.0012 ppm
Concentration per Run	5.6067 ppm	0.0019 ppm	-0.0001 ppm	8.3761 ppm	0.0010 ppm	0.0001 ppm	-0.0013 ppm
Concentration per Run	5.5522 ppm	0.0017 ppm	-0.0001 ppm	8.3854 ppm	0.0009 ppm	0.0010 ppm	0.0006 ppm
Concentration RSD	0.5 %	4.6 %	49.2 %	0.2 %	11.5 %	106.8 %	165.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	8.6093 ppm	-0.0004 ppm	0.0493 ppm	0.0004 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run	-0.0007 ppm	8.6109 ppm	-0.0007 ppm	0.0498 ppm	0.0005 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run	0.0018 ppm	8.6356 ppm	0.0001 ppm	0.0489 ppm	0.0004 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	8.5813 ppm	-0.0006 ppm	0.0493 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm
Concentration RSD	373.7 %	0.3 %	114.5 %	0.9 %	19.2 %	77.5 %	64.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0021 ppm	102.4332 %	105.5515 %	99.2230 %	102.1534 %	105.4841 %	101.5399 %
Concentration per Run	0.0023 ppm	102.2368 %	106.1962 %	99.7656 %	101.8906 %	106.6045 %	101.9073 %
Concentration per Run	0.0021 ppm	101.9147 %	105.2587 %	99.2735 %	101.9470 %	104.2932 %	101.6971 %
Concentration per Run	0.0020 ppm	103.1483 %	105.1995 %	98.6298 %	102.6224 %	105.5547 %	101.0154 %
Concentration RSD	7.6 %	0.6 %	0.5 %	0.6 %	0.4 %	1.1 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555756-01 WG2112651

Analysis started at: 9/11/2025 6:47:08 PM

Rack 2

Vial 17

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.7754 ppm	-0.0002 ppm	0.0050 ppm	0.0005 ppm	0.0001 ppm	0.3151 ppm
Concentration per Run	0.0000 ppm	0.7720 ppm	0.0002 ppm	0.0048 ppm	0.0001 ppm	0.0001 ppm	0.3171 ppm
Concentration per Run	-0.0005 ppm	0.7763 ppm	0.0003 ppm	0.0050 ppm	0.0005 ppm	0.0001 ppm	0.3145 ppm
Concentration per Run	-0.0005 ppm	0.7780 ppm	-0.0012 ppm	0.0053 ppm	0.0005 ppm	0.0000 ppm	0.3136 ppm
Concentration RSD	97.1 %	0.4 %	401.2 %	5.6 %	6.5 %	38.7 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0039 ppm	0.0014 ppm	2.6401 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0039 ppm	0.0012 ppm	2.6415 ppm	0.0017 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0038 ppm	0.0018 ppm	2.6245 ppm	0.0030 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0040 ppm	0.0011 ppm	2.6541 ppm	0.0020 ppm
Concentration RSD	264.1 %	175.6 %	3.6 %	3.1 %	27.6 %	0.6 %	29.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0924 ppm	0.0002 ppm	0.0009 ppm	691.1197 [SIC 500]	0.0001 ppm	0.0003 ppm	-0.0009 ppm
Concentration per Run	0.0917 ppm	0.0001 ppm	0.0008 ppm	692.7246 ppm	0.0001 ppm	0.0006 ppm	0.0007 ppm
Concentration per Run	0.0920 ppm	0.0003 ppm	0.0006 ppm	689.4274 ppm	-0.0001 ppm	0.0003 ppm	-0.0012 ppm
Concentration per Run	0.0936 ppm	0.0003 ppm	0.0012 ppm	691.2072 ppm	0.0001 ppm	0.0001 ppm	-0.0023 ppm
Concentration RSD	1.1 %	35.6 %	35.8 %	0.2 %	226.8 %	76.1 %	165.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	0.0389 ppm	0.0086 ppm	0.0036 ppm	0.0001 ppm	0.0069 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0400 ppm	0.0087 ppm	0.0037 ppm	0.0001 ppm	0.0072 ppm	0.0001 ppm
Concentration per Run	0.0004 ppm	0.0379 ppm	0.0081 ppm	0.0036 ppm	0.0002 ppm	0.0076 ppm	0.0002 ppm
Concentration per Run	-0.0004 ppm	0.0386 ppm	0.0089 ppm	0.0037 ppm	0.0001 ppm	0.0058 ppm	0.0001 ppm
Concentration RSD	1,002.5 %	2.8 %	4.7 %	1.1 %	109.7 %	14.2 %	38.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	89.5859 %	100.4590 %	82.8029 %	89.2232 %	99.4950 %	91.0261 %
Concentration per Run	0.0005 ppm	89.3741 %	100.9023 %	83.0468 %	88.8673 %	100.2372 %	91.2266 %
Concentration per Run	0.0008 ppm	89.6212 %	100.5308 %	82.4494 %	89.2398 %	99.5415 %	90.7469 %
Concentration per Run	0.0007 ppm	89.7623 %	99.9440 %	82.9125 %	89.5624 %	98.7065 %	91.1049 %
Concentration RSD	16.4 %	0.2 %	0.5 %	0.4 %	0.4 %	0.8 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/11/2025 6:51:09 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4738 ppm	0.4716 ppm	0.4719 ppm	0.4746 ppm	0.4802 ppm	0.4943 ppm	0.4852 ppm
Concentration per Run	0.4749 ppm	0.4610 ppm	0.4719 ppm	0.4743 ppm	0.4815 ppm	0.4916 ppm	0.4824 ppm
Concentration per Run	0.4746 ppm	0.4716 ppm	0.4727 ppm	0.4751 ppm	0.4812 ppm	0.4953 ppm	0.4843 ppm
Concentration per Run	0.4719 ppm	0.4822 ppm	0.4712 ppm	0.4745 ppm	0.4778 ppm	0.4962 ppm	0.4890 ppm
Recovery Percentage	94.759 %	94.315 %	94.384 %	94.923 %	96.037 %	98.869 %	97.046 %
Concentration RSD	0.4 %	2.2 %	0.2 %	0.1 %	0.4 %	0.5 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4885 ppm	0.4875 ppm	0.4884 ppm	0.4914 ppm	0.4877 ppm	5.0238 ppm	0.5230 ppm
Concentration per Run	0.4899 ppm	0.4887 ppm	0.4885 ppm	0.4915 ppm	0.4853 ppm	4.9869 ppm	0.5118 ppm
Concentration per Run	0.4874 ppm	0.4877 ppm	0.4895 ppm	0.4925 ppm	0.4862 ppm	5.0304 ppm	0.5321 ppm
Concentration per Run	0.4880 ppm	0.4871 ppm	0.4859 ppm	0.4902 ppm	0.4918 ppm	5.0542 ppm	0.5251 ppm
Recovery Percentage	97.692 %	97.490 %	97.675 %	98.286 %	97.547 %	100.476 %	104.607 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.2 %	0.7 %	0.7 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4882 ppm	0.4969 ppm	0.4736 ppm	10.1475 ppm	0.4938 ppm	0.4774 ppm	0.5016 ppm
Concentration per Run	0.4904 ppm	0.4934 ppm	0.4721 ppm	10.0519 ppm	0.4947 ppm	0.4778 ppm	0.5003 ppm
Concentration per Run	0.4880 ppm	0.4971 ppm	0.4730 ppm	10.1638 ppm	0.4945 ppm	0.4779 ppm	0.4989 ppm
Concentration per Run	0.4863 ppm	0.5003 ppm	0.4755 ppm	10.2268 ppm	0.4922 ppm	0.4764 ppm	0.5056 ppm
Recovery Percentage	97.645 %	99.390 %	94.711 %	101.475 %	98.756 %	95.473 %	100.314 %
Concentration RSD	0.4 %	0.7 %	0.4 %	0.9 %	0.3 %	0.2 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4641 ppm	5.1732 ppm	0.4913 ppm	0.4985 ppm	0.4797 ppm	0.4925 ppm	0.4938 ppm
Concentration per Run	0.4657 ppm	5.1533 ppm	0.4899 ppm	0.4979 ppm	0.4811 ppm	0.4946 ppm	0.4947 ppm
Concentration per Run	0.4661 ppm	5.1712 ppm	0.4920 ppm	0.4983 ppm	0.4789 ppm	0.4927 ppm	0.4942 ppm
Concentration per Run	0.4604 ppm	5.1952 ppm	0.4919 ppm	0.4994 ppm	0.4789 ppm	0.4902 ppm	0.4926 ppm
Recovery Percentage	92.812 %	98.538 %	98.251 %	99.709 %	95.933 %	98.499 %	98.769 %
Concentration RSD	0.7 %	0.4 %	0.2 %	0.2 %	0.3 %	0.4 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4826 ppm	101.3603 %	103.2493 %	97.6400 %	101.3096 %	103.2889 %	100.6459 %
Concentration per Run	0.4818 ppm	100.9583 %	103.6425 %	97.4971 %	100.6934 %	103.0732 %	100.6058 %
Concentration per Run	0.4840 ppm	101.1349 %	103.5457 %	97.8170 %	101.0993 %	104.2636 %	100.7939 %
Concentration per Run	0.4819 ppm	101.9875 %	102.5596 %	97.6059 %	102.1360 %	102.5298 %	100.5379 %
Recovery Percentage	96.516 %						
Concentration RSD	0.3 %	0.5 %	0.6 %	0.2 %	0.7 %	0.9 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 6:54:35 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0042 ppm	0.0011 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0069 ppm
Concentration per Run	-0.0002 ppm	-0.0022 ppm	0.0024 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0058 ppm
Concentration per Run	-0.0003 ppm	-0.0053 ppm	0.0010 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0056 ppm
Concentration per Run	-0.0001 ppm	-0.0051 ppm	-0.0002 ppm	-0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0094 ppm
Recovery Percentage	-4.317 %	-4.217 %	21.318 %	-0.518 %	1.017 %	1.571 %	6.928 %
Concentration RSD	27.8 %	41.5 %	123.6 %	375.9 %	18.3 %	34.2 %	31.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0013 ppm	0.0189 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0020 ppm	0.0249 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0001 ppm	-0.0002 ppm	0.0009 ppm	0.0184 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0011 ppm	0.0132 ppm	-0.0001 ppm
Recovery Percentage	3.559 %	2.143 %	1.393 %	-1.211 %	2.649 %	0.754 %	-0.906 %
Concentration RSD	45.5 %	27.0 %	89.4 %	20.8 %	42.1 %	31.0 %	99.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0004 ppm	0.0002 ppm	0.0002 ppm	0.0677 ppm	0.0000 ppm	0.0007 ppm	0.0020 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0667 ppm	0.0000 ppm	-0.0001 ppm	0.0025 ppm
Concentration per Run	0.0010 ppm	0.0001 ppm	0.0045 ppm	0.0677 ppm	0.0001 ppm	0.0017 ppm	0.0037 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0038 ppm	0.0688 ppm	-0.0001 ppm	0.0004 ppm	-0.0002 ppm
Recovery Percentage	0.356 %	1.745 %	8.232 %	3.386 %	0.022 %	6.848 %	4.047 %
Concentration RSD	167.0 %	48.4 %	7.8 %	1.6 %	2.547 %	130.8 %	98.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0032 ppm	-0.0016 ppm	0.0015 ppm	0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0020 ppm	-0.0028 ppm	0.0009 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0039 ppm	-0.0025 ppm	0.0014 ppm	0.0001 ppm	0.0008 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0036 ppm	0.0005 ppm	0.0022 ppm	0.0002 ppm	0.0005 ppm	0.0000 ppm	-0.0001 ppm
Recovery Percentage	31.828 %	-0.323 %	2.956 %	1.354 %	6.169 %	3.174 %	-0.144 %
Concentration RSD	32.5 %	112.8 %	42.5 %	34.2 %	26.3 %	90.4 %	544.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	101.6778 %	102.3437 %	99.7253 %	103.3178 %	103.8172 %	101.4675 %
Concentration per Run	0.0004 ppm	101.7572 %	103.4355 %	99.8088 %	103.0856 %	104.7106 %	101.7259 %
Concentration per Run	0.0004 ppm	101.7488 %	101.7745 %	99.5157 %	103.3721 %	103.4284 %	101.3420 %
Concentration per Run	0.0003 ppm	101.5274 %	101.8211 %	99.8533 %	103.4958 %	103.3124 %	101.3348 %
Recovery Percentage	7.365 %						
Concentration RSD	14.1 %	0.1 %	0.9 %	0.2 %	0.2 %	0.7 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112651-1 WG2112651

Analysis started at: 9/11/2025 7:19:37 PM

Rack 2

Vial 18

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0002 ppm	-0.0006 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0185 ppm
Concentration per Run	-0.0006 ppm	0.0010 ppm	-0.0003 ppm	-0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0194 ppm
Concentration per Run	-0.0005 ppm	-0.0005 ppm	-0.0006 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0169 ppm
Concentration per Run	-0.0003 ppm	-0.0001 ppm	-0.0009 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0193 ppm
Concentration RSD	39.9 %	478.0 %	50.4 %	155.8 %	28.9 %	159.9 %	7.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0007 ppm	0.0040 ppm	0.0165 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0046 ppm	0.0123 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0040 ppm	0.0229 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0033 ppm	0.0143 ppm	-0.0008 ppm
Concentration RSD	187.7 %	160.2 %	125.7 %	14.7 %	16.4 %	34.2 %	186.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0023 ppm	0.0004 ppm	0.0001 ppm	0.0352 ppm	0.0003 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0023 ppm	0.0005 ppm	0.0000 ppm	0.0347 ppm	0.0005 ppm	0.0006 ppm	-0.0007 ppm
Concentration per Run	0.0029 ppm	0.0006 ppm	0.0001 ppm	0.0346 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run	0.0019 ppm	0.0003 ppm	0.0003 ppm	0.0363 ppm	0.0005 ppm	0.0006 ppm	-0.0001 ppm
Concentration RSD	21.1 %	30.8 %	115.4 %	2.8 %	91.4 %	45.6 %	396.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	0.0042 ppm	-0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0007 ppm	0.0038 ppm	-0.0003 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run	-0.0021 ppm	0.0045 ppm	-0.0007 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0043 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0000 ppm
Concentration RSD	287.7 %	8.8 %	135.1 %	38.1 %	34.5 %	1,633.2 %	554.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0014 ppm	99.7975 %	103.3561 %	99.6366 %	100.5898 %	104.4164 %	99.4756 %
Concentration per Run	0.0015 ppm	99.6652 %	103.2962 %	99.1882 %	100.6515 %	104.7021 %	99.1215 %
Concentration per Run	0.0014 ppm	100.6346 %	102.9646 %	99.8387 %	101.3901 %	104.3766 %	99.6335 %
Concentration per Run	0.0014 ppm	99.0926 %	103.8074 %	99.8829 %	99.7277 %	104.1704 %	99.6718 %
Concentration RSD	4.9 %	0.8 %	0.4 %	0.4 %	0.8 %	0.3 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/11/2025 7:23:17 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4764 ppm	0.4699 ppm	0.4734 ppm	0.4728 ppm	0.4835 ppm	0.4924 ppm	0.4824 ppm
Concentration per Run	0.4757 ppm	0.4742 ppm	0.4708 ppm	0.4718 ppm	0.4848 ppm	0.4912 ppm	0.4796 ppm
Concentration per Run	0.4763 ppm	0.4649 ppm	0.4737 ppm	0.4712 ppm	0.4818 ppm	0.4916 ppm	0.4838 ppm
Concentration per Run	0.4773 ppm	0.4707 ppm	0.4756 ppm	0.4752 ppm	0.4839 ppm	0.4942 ppm	0.4839 ppm
Recovery Percentage	95.281 %	93.989 %	94.678 %	94.552 %	96.700 %	98.471 %	96.488 %
Concentration RSD	0.2 %	1.0 %	0.5 %	0.5 %	0.3 %	0.3 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4899 ppm	0.4886 ppm	0.4913 ppm	0.4918 ppm	0.4839 ppm	4.9623 ppm	0.5145 ppm
Concentration per Run	0.4887 ppm	0.4871 ppm	0.4902 ppm	0.4910 ppm	0.4829 ppm	4.9712 ppm	0.5098 ppm
Concentration per Run	0.4897 ppm	0.4902 ppm	0.4924 ppm	0.4923 ppm	0.4842 ppm	4.9433 ppm	0.5146 ppm
Concentration per Run	0.4913 ppm	0.4886 ppm	0.4913 ppm	0.4920 ppm	0.4847 ppm	4.9723 ppm	0.5192 ppm
Recovery Percentage	97.982 %	97.722 %	98.263 %	98.355 %	96.790 %	99.245 %	102.896 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.1 %	0.2 %	0.3 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4901 ppm	0.4932 ppm	0.4756 ppm	10.0209 ppm	0.4968 ppm	0.4799 ppm	0.5029 ppm
Concentration per Run	0.4889 ppm	0.4918 ppm	0.4731 ppm	9.9814 ppm	0.4966 ppm	0.4808 ppm	0.5013 ppm
Concentration per Run	0.4900 ppm	0.4937 ppm	0.4758 ppm	10.0560 ppm	0.4972 ppm	0.4817 ppm	0.5039 ppm
Concentration per Run	0.4915 ppm	0.4943 ppm	0.4779 ppm	10.0252 ppm	0.4966 ppm	0.4773 ppm	0.5036 ppm
Recovery Percentage	98.027 %	98.648 %	95.116 %	100.209 %	99.363 %	95.985 %	100.584 %
Concentration RSD	0.3 %	0.3 %	0.5 %	0.4 %	0.1 %	0.5 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4626 ppm	5.1956 ppm	0.4911 ppm	0.5007 ppm	0.4821 ppm	0.4903 ppm	0.4955 ppm
Concentration per Run	0.4616 ppm	5.1778 ppm	0.4874 ppm	0.5022 ppm	0.4799 ppm	0.4891 ppm	0.4952 ppm
Concentration per Run	0.4636 ppm	5.1956 ppm	0.4953 ppm	0.5004 ppm	0.4830 ppm	0.4875 ppm	0.4955 ppm
Concentration per Run	0.4626 ppm	5.2134 ppm	0.4905 ppm	0.4996 ppm	0.4834 ppm	0.4944 ppm	0.4957 ppm
Recovery Percentage	92.525 %	98.964 %	98.214 %	100.147 %	96.421 %	98.067 %	99.091 %
Concentration RSD	0.2 %	0.3 %	0.8 %	0.3 %	0.4 %	0.7 %	0.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4855 ppm	101.1054 %	104.4647 %	97.6989 %	100.7715 %	103.3456 %	100.5602 %
Concentration per Run	0.4835 ppm	101.5229 %	104.7741 %	97.3004 %	101.2462 %	102.4710 %	100.1179 %
Concentration per Run	0.4866 ppm	101.0606 %	104.2239 %	97.6753 %	101.6784 %	103.8603 %	100.7012 %
Concentration per Run	0.4864 ppm	100.7327 %	104.3962 %	98.1210 %	100.3899 %	103.7055 %	100.8615 %
Recovery Percentage	97.099 %						
Concentration RSD	0.4 %	0.4 %	0.3 %	0.4 %	0.4 %	0.7 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 7:26:43 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0049 ppm	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0055 ppm
Concentration per Run	-0.0002 ppm	-0.0024 ppm	0.0003 ppm	0.0024 ppm	0.0001 ppm	0.0001 ppm	0.0055 ppm
Concentration per Run	-0.0002 ppm	-0.0043 ppm	-0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0052 ppm
Concentration per Run	-0.0003 ppm	-0.0081 ppm	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0058 ppm
Recovery Percentage	-4.919 %	-4.917 %	-2.598 %	1.436 %	1.264 %	2.477 %	5.488 %
Concentration RSD	23.4 %	58.7 %	387.7 %	196.5 %	21.0 %	37.8 %	5.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0157 ppm	0.0004 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0016 ppm	0.0262 ppm	0.0006 ppm
Concentration per Run	0.0002 ppm	0.0006 ppm	0.0001 ppm	-0.0006 ppm	0.0003 ppm	0.0075 ppm	0.0009 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0015 ppm	0.0135 ppm	-0.0003 ppm
Recovery Percentage	4.759 %	3.055 %	0.993 %	0.301 %	2.315 %	0.629 %	4.268 %
Concentration RSD	18.7 %	78.9 %	208.9 %	524.2 %	60.5 %	60.8 %	151.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0262 ppm	0.0004 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run	0.0008 ppm	0.0001 ppm	0.0039 ppm	0.0276 ppm	0.0004 ppm	0.0014 ppm	0.0014 ppm
Concentration per Run	-0.0006 ppm	0.0000 ppm	0.0040 ppm	0.0259 ppm	0.0002 ppm	-0.0017 ppm	-0.0017 ppm
Concentration per Run	-0.0016 ppm	0.0002 ppm	0.0039 ppm	0.0251 ppm	0.0006 ppm	0.0006 ppm	-0.0011 ppm
Recovery Percentage	-0.462 %	0.762 %	7.882 %	1.310 %	1.617 %	1.378 %	-0.875 %
Concentration RSD	265.8 %	85.4 %	1.7 %	4.8 %	42.1 %	317.9 %	373.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	-0.0009 ppm	0.0013 ppm	0.0001 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	0.0020 ppm	-0.0005 ppm	0.0013 ppm	0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	0.0048 ppm	-0.0010 ppm	0.0016 ppm	0.0001 ppm	0.0006 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run	0.0035 ppm	-0.0012 ppm	0.0009 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0002 ppm
Recovery Percentage	34.010 %	-0.179 %	2.536 %	0.951 %	5.537 %	0.895 %	1.182 %
Concentration RSD	38.3 %	41.4 %	25.0 %	20.0 %	15.6 %	414.1 %	83.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	101.0086 %	102.2816 %	99.6975 %	102.4784 %	104.0399 %	101.2218 %
Concentration per Run	0.0002 ppm	101.2607 %	102.4123 %	99.4626 %	102.7506 %	105.0370 %	101.3715 %
Concentration per Run	0.0003 ppm	100.5953 %	100.5278 %	100.1510 %	102.3480 %	102.9403 %	101.2926 %
Concentration per Run	0.0003 ppm	101.1697 %	103.9046 %	99.4790 %	102.3366 %	104.1426 %	101.0013 %
Recovery Percentage	5.476 %						
Concentration RSD	22.5 %	0.4 %	1.7 %	0.4 %	0.2 %	1.0 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2556224-01d8 WG2112651

Analysis started at: 9/11/2025 8:17:19 PM

Rack 2

Vial 19

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0015 ppm	-0.0004 ppm	0.0215 ppm	0.0310 ppm	0.0000 ppm	16.5453 ppm
Concentration per Run	-0.0003 ppm	-0.0003 ppm	-0.0009 ppm	0.0214 ppm	0.0311 ppm	0.0000 ppm	16.5412 ppm
Concentration per Run	-0.0001 ppm	-0.0018 ppm	0.0005 ppm	0.0224 ppm	0.0309 ppm	0.0000 ppm	16.6296 ppm
Concentration per Run	-0.0002 ppm	0.0008 ppm	-0.0007 ppm	0.0206 ppm	0.0308 ppm	0.0000 ppm	16.4652 ppm
Concentration RSD	60.9 %	144.4 %	191.2 %	4.0 %	0.5 %	20.9 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.6138 ppm	3.1044 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0004 ppm	0.6138 ppm	3.1162 ppm	0.0000 ppm
Concentration per Run	-0.0002 ppm	0.0004 ppm	0.0001 ppm	0.0004 ppm	0.6131 ppm	3.1263 ppm	0.0002 ppm
Concentration per Run	-0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm	0.6130 ppm	3.0708 ppm	0.0003 ppm
Concentration RSD	29.4 %	150.3 %	46.3 %	13.2 %	0.2 %	1.0 %	106.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.9247 ppm	0.1041 ppm	0.0019 ppm	141.1571 ppm	0.0003 ppm	0.0006 ppm	0.0012 ppm
Concentration per Run	1.9212 ppm	0.1043 ppm	0.0022 ppm	140.4891 ppm	0.0000 ppm	0.0007 ppm	0.0027 ppm
Concentration per Run	1.9240 ppm	0.1043 ppm	0.0018 ppm	141.8297 ppm	0.0001 ppm	0.0004 ppm	0.0031 ppm
Concentration per Run	1.9291 ppm	0.1037 ppm	0.0018 ppm	141.1524 ppm	0.0008 ppm	0.0007 ppm	-0.0022 ppm
Concentration RSD	0.2 %	0.4 %	12.5 %	0.5 %	154.8 %	30.8 %	242.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0004 ppm	0.8647 ppm	0.0017 ppm	0.1621 ppm	0.0005 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	-0.0007 ppm	0.8623 ppm	0.0015 ppm	0.1626 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	-0.0015 ppm	0.8604 ppm	0.0018 ppm	0.1625 ppm	0.0005 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0010 ppm	0.8715 ppm	0.0019 ppm	0.1612 ppm	0.0005 ppm	0.0000 ppm	-0.0001 ppm
Concentration RSD	303.1 %	0.7 %	14.3 %	0.5 %	1.9 %	328.7 %	90.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	92.8523 %	101.5242 %	89.1347 %	91.3161 %	100.8826 %	92.6942 %
Concentration per Run	0.0008 ppm	92.3916 %	101.3177 %	88.7770 %	90.9407 %	100.8215 %	92.4698 %
Concentration per Run	0.0008 ppm	93.0991 %	101.5681 %	89.4773 %	91.0386 %	101.6823 %	92.9782 %
Concentration per Run	0.0010 ppm	93.0663 %	101.6869 %	89.1500 %	91.9690 %	100.1439 %	92.6347 %
Concentration RSD	14.7 %	0.4 %	0.2 %	0.4 %	0.6 %	0.8 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112651-3d8 WG2112651

Analysis started at: 9/11/2025 8:21:00 PM

Rack 2

Vial 20

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	Ba 455.403 Radial-IFR)	B 208.959 Axial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0058 ppm	0.2347 ppm	0.0151 ppm	0.1439 ppm	0.2656 ppm	0.0061 ppm	17.5203 ppm
Concentration per Run	0.0057 ppm	0.2369 ppm	0.0144 ppm	0.1424 ppm	0.2650 ppm	0.0061 ppm	17.5165 ppm
Concentration per Run	0.0058 ppm	0.2296 ppm	0.0149 ppm	0.1453 ppm	0.2660 ppm	0.0061 ppm	17.5628 ppm
Concentration per Run	0.0061 ppm	0.2378 ppm	0.0159 ppm	0.1439 ppm	0.2658 ppm	0.0061 ppm	17.4817 ppm
Concentration RSD	3.3 %	1.9 %	5.2 %	1.0 %	0.2 %	0.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0063 ppm	0.0583 ppm	0.0238 ppm	0.0297 ppm	0.7130 ppm	4.3419 ppm	0.0000 ppm
Concentration per Run	0.0064 ppm	0.0576 ppm	0.0238 ppm	0.0299 ppm	0.7135 ppm	4.3263 ppm	-0.0003 ppm
Concentration per Run	0.0064 ppm	0.0588 ppm	0.0243 ppm	0.0295 ppm	0.7118 ppm	4.3659 ppm	-0.0004 ppm
Concentration per Run	0.0062 ppm	0.0585 ppm	0.0234 ppm	0.0296 ppm	0.7138 ppm	4.3335 ppm	0.0007 ppm
Concentration RSD	1.5 %	1.0 %	1.9 %	0.7 %	0.1 %	0.5 %	153.911.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.0683 ppm	0.1617 ppm	0.1169 ppm	140.3959 ppm	0.0603 ppm	0.0635 ppm	0.0615 ppm
Concentration per Run	3.0646 ppm	0.1616 ppm	0.1164 ppm	139.4603 ppm	0.0597 ppm	0.0636 ppm	0.0612 ppm
Concentration per Run	3.0725 ppm	0.1618 ppm	0.1175 ppm	141.2617 ppm	0.0601 ppm	0.0634 ppm	0.0637 ppm
Concentration per Run	3.0678 ppm	0.1616 ppm	0.1168 ppm	140.4659 ppm	0.0611 ppm	0.0637 ppm	0.0597 ppm
Concentration RSD	0.1 %	0.1 %	0.5 %	0.6 %	1.2 %	0.3 %	3.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0133 ppm	0.9467 ppm	0.1194 ppm	0.2797 ppm	0.1199 ppm	0.0149 ppm	0.0614 ppm
Concentration per Run	0.0130 ppm	0.9487 ppm	0.1187 ppm	0.2776 ppm	0.1202 ppm	0.0147 ppm	0.0613 ppm
Concentration per Run	0.0120 ppm	0.9435 ppm	0.1186 ppm	0.2802 ppm	0.1199 ppm	0.0152 ppm	0.0616 ppm
Concentration per Run	0.0151 ppm	0.9479 ppm	0.1207 ppm	0.2815 ppm	0.1197 ppm	0.0147 ppm	0.0613 ppm
Concentration RSD	12.0 %	0.3 %	1.0 %	0.7 %	0.2 %	2.2 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0614 ppm	96.1692 %	101.8917 %	89.9893 %	95.5555 %	100.6880 %	94.8810 %
Concentration per Run	0.0614 ppm	96.5805 %	101.8478 %	89.5778 %	95.8806 %	100.1574 %	94.6890 %
Concentration per Run	0.0614 ppm	96.5320 %	101.5020 %	90.2382 %	95.7181 %	100.6128 %	95.0097 %
Concentration per Run	0.0613 ppm	95.3952 %	102.3254 %	90.1518 %	95.0679 %	101.2939 %	94.9443 %
Concentration RSD	0.1 %	0.7 %	0.4 %	0.4 %	0.5 %	0.6 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112651-4d8 WG2112651

Analysis started at: 9/11/2025 8:24:26 PM

Rack 2

Vial 21

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0046 ppm	0.0000 ppm	0.0216 ppm	0.0311 ppm	0.0000 ppm	16.4974 ppm
Concentration per Run	0.0000 ppm	-0.0057 ppm	-0.0008 ppm	0.0212 ppm	0.0315 ppm	0.0000 ppm	16.4435 ppm
Concentration per Run	-0.0003 ppm	-0.0057 ppm	0.0000 ppm	0.0221 ppm	0.0309 ppm	0.0000 ppm	16.6115 ppm
Concentration per Run	-0.0006 ppm	-0.0024 ppm	0.0007 ppm	0.0215 ppm	0.0310 ppm	0.0001 ppm	16.4372 ppm
Concentration RSD	99.9 %	41.6 %	6.701.0 %	2.3 %	1.1 %	52.8 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.5981 ppm	3.1062 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	0.6055 ppm	3.1293 ppm	0.0007 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	0.5932 ppm	3.0905 ppm	-0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.5956 ppm	3.0987 ppm	-0.0002 ppm
Concentration RSD	153.4 %	56.9 %	98.3 %	401.6 %	1.1 %	0.7 %	387.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.8706 ppm	0.1032 ppm	0.0024 ppm	140.1090 ppm	0.0006 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run	1.8783 ppm	0.1036 ppm	0.0026 ppm	141.2392 ppm	0.0009 ppm	-0.0004 ppm	0.0034 ppm
Concentration per Run	1.8631 ppm	0.1031 ppm	0.0019 ppm	139.6390 ppm	-0.0001 ppm	0.0005 ppm	-0.0021 ppm
Concentration per Run	1.8704 ppm	0.1029 ppm	0.0026 ppm	139.4489 ppm	0.0009 ppm	-0.0001 ppm	0.0002 ppm
Concentration RSD	0.4 %	0.3 %	15.1 %	0.7 %	108.4 %	1.383.9 %	515.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0006 ppm	0.8332 ppm	0.0007 ppm	0.1611 ppm	0.0004 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	-0.0006 ppm	0.8305 ppm	0.0006 ppm	0.1628 ppm	0.0004 ppm	0.0020 ppm	-0.0001 ppm
Concentration per Run	-0.0006 ppm	0.8333 ppm	0.0008 ppm	0.1603 ppm	0.0002 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	-0.0006 ppm	0.8359 ppm	0.0007 ppm	0.1602 ppm	0.0005 ppm	0.0009 ppm	0.0001 ppm
Concentration RSD	2.8 %	0.3 %	16.2 %	0.9 %	42.2 %	69.6 %	526.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	95.7797 %	102.2417 %	90.7671 %	95.3251 %	101.9312 %	95.6974 %
Concentration per Run	0.0006 ppm	96.0818 %	101.2954 %	90.1867 %	95.3872 %	102.4166 %	95.3455 %
Concentration per Run	0.0005 ppm	95.9356 %	102.5332 %	90.8897 %	95.5280 %	101.9171 %	96.0444 %
Concentration per Run	0.0003 ppm	95.3217 %	102.8963 %	91.2249 %	95.0601 %	101.4599 %	95.7022 %
Concentration RSD	33.6 %	0.4 %	0.8 %	0.6 %	0.3 %	0.5 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112651-5d8 WG2112651

Analysis started at: 9/11/2025 8:27:52 PM

Rack 2

Vial 22

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0460 ppm	1.8827 ppm	0.1170 ppm	0.9782 ppm	1.8533 ppm	0.0477 ppm	25.3445 ppm
Concentration per Run	0.0459 ppm	1.8857 ppm	0.1160 ppm	0.9755 ppm	1.8537 ppm	0.0477 ppm	25.3113 ppm
Concentration per Run	0.0461 ppm	1.8664 ppm	0.1173 ppm	0.9772 ppm	1.8450 ppm	0.0474 ppm	25.2361 ppm
Concentration per Run	0.0459 ppm	1.8959 ppm	0.1178 ppm	0.9819 ppm	1.8613 ppm	0.0481 ppm	25.4861 ppm
Concentration RSD	0.3 %	0.8 %	0.8 %	0.3 %	0.4 %	0.7 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0498 ppm	0.4562 ppm	0.1864 ppm	0.2326 ppm	1.5049 ppm	12.7117 ppm	-0.0003 ppm
Concentration per Run	0.0500 ppm	0.4576 ppm	0.1865 ppm	0.2315 ppm	1.5041 ppm	12.7039 ppm	-0.0014 ppm
Concentration per Run	0.0497 ppm	0.4557 ppm	0.1869 ppm	0.2330 ppm	1.4931 ppm	12.6598 ppm	0.0003 ppm
Concentration per Run	0.0498 ppm	0.4554 ppm	0.1859 ppm	0.2334 ppm	1.5175 ppm	12.7713 ppm	0.0003 ppm
Concentration RSD	0.3 %	0.3 %	0.3 %	0.4 %	0.8 %	0.4 %	342.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.1696 ppm	0.5663 ppm	0.9185 ppm	144.8028 ppm	0.4694 ppm	0.4926 ppm	0.3415 ppm
Concentration per Run	11.2040 ppm	0.5662 ppm	0.9150 ppm	144.1833 ppm	0.4704 ppm	0.4912 ppm	0.3362 ppm
Concentration per Run	11.1517 ppm	0.5617 ppm	0.9193 ppm	144.1206 ppm	0.4709 ppm	0.4923 ppm	0.3408 ppm
Concentration per Run	11.1532 ppm	0.5711 ppm	0.9212 ppm	146.1045 ppm	0.4669 ppm	0.4941 ppm	0.3475 ppm
Concentration RSD	0.3 %	0.8 %	0.3 %	0.8 %	0.5 %	0.3 %	1.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1156 ppm	1.4031 ppm	0.9329 ppm	1.0870 ppm	0.9338 ppm	0.1103 ppm	0.4863 ppm
Concentration per Run	0.1141 ppm	1.3985 ppm	0.9340 ppm	1.0852 ppm	0.9331 ppm	0.1098 ppm	0.4866 ppm
Concentration per Run	0.1170 ppm	1.4035 ppm	0.9345 ppm	1.0840 ppm	0.9359 ppm	0.1095 ppm	0.4865 ppm
Concentration per Run	0.1158 ppm	1.4075 ppm	0.9302 ppm	1.0916 ppm	0.9323 ppm	0.1115 ppm	0.4859 ppm
Concentration RSD	1.2 %	0.3 %	0.3 %	0.4 %	0.2 %	1.0 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4755 ppm	95.3722 %	101.7008 %	88.8440 %	94.7897 %	100.8640 %	95.1266 %
Concentration per Run	0.4783 ppm	95.5510 %	101.2769 %	89.4297 %	94.8457 %	99.8454 %	95.6768 %
Concentration per Run	0.4770 ppm	95.2524 %	102.1910 %	88.7789 %	94.6944 %	100.4206 %	95.2548 %
Concentration per Run	0.4711 ppm	95.3132 %	101.6345 %	88.3235 %	94.8289 %	102.3260 %	94.4481 %
Concentration RSD	0.8 %	0.2 %	0.5 %	0.6 %	0.1 %	1.3 %	0.7 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2112651-6d40 WG2112651

Analysis started at: 9/11/2025 8:31:19 PM

Rack 2

Vial 23

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0053 ppm	-0.0006 ppm	0.0048 ppm	0.0063 ppm	0.0000 ppm	3.3343 ppm
Concentration per Run	-0.0004 ppm	-0.0049 ppm	-0.0017 ppm	0.0041 ppm	0.0063 ppm	0.0000 ppm	3.3476 ppm
Concentration per Run	-0.0004 ppm	-0.0073 ppm	0.0010 ppm	0.0049 ppm	0.0064 ppm	0.0000 ppm	3.3273 ppm
Concentration per Run	-0.0003 ppm	-0.0037 ppm	-0.0010 ppm	0.0054 ppm	0.0063 ppm	0.0000 ppm	3.3281 ppm
Concentration RSD	17.5 %	34.9 %	233.7 %	13.4 %	1.4 %	82.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.1240 ppm	0.6550 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	0.1254 ppm	0.6690 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.1243 ppm	0.6454 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0002 ppm	0.1224 ppm	0.6506 ppm	-0.0002 ppm
Concentration RSD	410.0 %	310.9 %	31.6 %	73.0 %	1.2 %	1.9 %	184.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.3864 ppm	0.0211 ppm	0.0104 ppm	29.2219 ppm	-0.0002 ppm	0.0007 ppm	0.0319 ppm
Concentration per Run	0.3857 ppm	0.0210 ppm	0.0105 ppm	29.3592 ppm	-0.0002 ppm	0.0010 ppm	0.0342 ppm
Concentration per Run	0.3858 ppm	0.0211 ppm	0.0105 ppm	29.2241 ppm	-0.0003 ppm	0.0010 ppm	0.0310 ppm
Concentration per Run	0.3878 ppm	0.0212 ppm	0.0102 ppm	29.0825 ppm	0.0000 ppm	0.0003 ppm	0.0306 ppm
Concentration RSD	0.3 %	0.3 %	1.4 %	0.5 %	114.0 %	50.3 %	6.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	0.1626 ppm	0.0048 ppm	0.0325 ppm	0.0009 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.1624 ppm	0.0051 ppm	0.0327 ppm	0.0011 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run	-0.0009 ppm	0.1633 ppm	0.0049 ppm	0.0325 ppm	0.0008 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.1622 ppm	0.0045 ppm	0.0324 ppm	0.0009 ppm	0.0009 ppm	0.0002 ppm
Concentration RSD	199.4 %	0.3 %	6.1 %	0.4 %	16.7 %	29.0 %	280.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	100.1721 %	103.5313 %	97.1327 %	100.0622 %	102.8525 %	99.3589 %
Concentration per Run	0.0004 ppm	100.1459 %	103.0575 %	97.3125 %	100.1736 %	102.9852 %	99.4756 %
Concentration per Run	0.0004 ppm	100.2863 %	103.8094 %	97.2484 %	99.9674 %	102.6888 %	99.9142 %
Concentration per Run	0.0004 ppm	100.0842 %	103.7270 %	96.8373 %	100.0456 %	102.8835 %	98.6869 %
Concentration RSD	9.3 %	0.1 %	0.4 %	0.3 %	0.1 %	0.1 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/11/2025 8:34:46 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4767 ppm	0.4704 ppm	0.4730 ppm	0.4741 ppm	0.4860 ppm	0.4978 ppm	0.4885 ppm
Concentration per Run	0.4771 ppm	0.4704 ppm	0.4745 ppm	0.4701 ppm	0.4841 ppm	0.4936 ppm	0.4843 ppm
Concentration per Run	0.4761 ppm	0.4700 ppm	0.4721 ppm	0.4772 ppm	0.4871 ppm	0.4995 ppm	0.4889 ppm
Concentration per Run	0.4770 ppm	0.4709 ppm	0.4724 ppm	0.4750 ppm	0.4868 ppm	0.5002 ppm	0.4924 ppm
Recovery Percentage	95.345 %	94.086 %	94.603 %	94.820 %	97.201 %	99.554 %	97.707 %
Concentration RSD	0.1 %	0.1 %	0.3 %	0.8 %	0.3 %	0.7 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4866 ppm	0.4876 ppm	0.4897 ppm	0.4910 ppm	0.4895 ppm	5.0322 ppm	0.5173 ppm
Concentration per Run	0.4854 ppm	0.4870 ppm	0.4897 ppm	0.4888 ppm	0.4855 ppm	5.0070 ppm	0.5128 ppm
Concentration per Run	0.4863 ppm	0.4888 ppm	0.4907 ppm	0.4919 ppm	0.4885 ppm	5.0404 ppm	0.5192 ppm
Concentration per Run	0.4881 ppm	0.4900 ppm	0.4886 ppm	0.4924 ppm	0.4946 ppm	5.0491 ppm	0.5197 ppm
Recovery Percentage	97.318 %	97.524 %	97.934 %	98.205 %	97.904 %	100.643 %	103.454 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.4 %	1.0 %	0.4 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4859 ppm	0.4980 ppm	0.4802 ppm	10.1364 ppm	0.4950 ppm	0.4815 ppm	0.5177 ppm
Concentration per Run	0.4879 ppm	0.4936 ppm	0.4774 ppm	10.0346 ppm	0.4931 ppm	0.4820 ppm	0.5154 ppm
Concentration per Run	0.4838 ppm	0.4990 ppm	0.4804 ppm	10.1925 ppm	0.4965 ppm	0.4835 ppm	0.5192 ppm
Concentration per Run	0.4859 ppm	0.5015 ppm	0.4828 ppm	10.1822 ppm	0.4953 ppm	0.4791 ppm	0.5183 ppm
Recovery Percentage	97.170 %	99.604 %	96.038 %	101.364 %	98.992 %	96.300 %	103.530 %
Concentration RSD	0.4 %	0.8 %	0.6 %	0.9 %	0.4 %	0.5 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4658 ppm	5.2113 ppm	0.4903 ppm	0.5043 ppm	0.4845 ppm	0.4928 ppm	0.4933 ppm
Concentration per Run	0.4631 ppm	5.1796 ppm	0.4885 ppm	0.5041 ppm	0.4852 ppm	0.4919 ppm	0.4924 ppm
Concentration per Run	0.4686 ppm	5.2236 ppm	0.4903 ppm	0.5044 ppm	0.4820 ppm	0.4924 ppm	0.4935 ppm
Concentration per Run	0.4657 ppm	5.2309 ppm	0.4920 ppm	0.5043 ppm	0.4864 ppm	0.4939 ppm	0.4941 ppm
Recovery Percentage	93.160 %	99.264 %	98.056 %	100.855 %	96.905 %	98.551 %	98.668 %
Concentration RSD	0.6 %	0.5 %	0.4 %	0.0 %	0.5 %	0.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4831 ppm	101.6607 %	103.9852 %	97.3531 %	101.1252 %	104.0483 %	100.3901 %
Concentration per Run	0.4848 ppm	101.6614 %	105.8145 %	97.6812 %	100.8138 %	105.4101 %	100.5460 %
Concentration per Run	0.4818 ppm	101.7146 %	103.2943 %	96.7514 %	101.2495 %	103.7444 %	100.3003 %
Concentration per Run	0.4827 ppm	101.6060 %	102.8467 %	97.6267 %	101.3124 %	102.9903 %	100.3240 %
Recovery Percentage	96.617 %						
Concentration RSD	0.3 %	0.1 %	1.5 %	0.5 %	0.3 %	1.2 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 8:38:12 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0026 ppm	0.0007 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0045 ppm
Concentration per Run	0.0002 ppm	-0.0013 ppm	0.0008 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0041 ppm
Concentration per Run	-0.0004 ppm	-0.0056 ppm	0.0007 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0048 ppm
Concentration per Run	-0.0003 ppm	-0.0010 ppm	0.0006 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0047 ppm
Recovery Percentage	-3.539 %	-2.636 %	14.707 %	1.172 %	0.535 %	1.721 %	4.540 %
Concentration RSD	183.4 %	98.4 %	14.8 %	143.8 %	28.7 %	24.0 %	7.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0015 ppm	0.0172 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0237 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0000 ppm	0.0015 ppm	0.0117 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0021 ppm	0.0162 ppm	-0.0004 ppm
Recovery Percentage	3.794 %	0.187 %	2.701 %	-0.708 %	2.941 %	0.688 %	-2.813 %
Concentration RSD	45.5 %	1,087.0 %	89.6 %	56.4 %	44.5 %	35.3 %	80.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0010 ppm	0.0001 ppm	0.0046 ppm	0.0304 ppm	0.0002 ppm	0.0006 ppm	0.0055 ppm
Concentration per Run	0.0025 ppm	0.0001 ppm	0.0042 ppm	0.0304 ppm	0.0004 ppm	0.0003 ppm	0.0053 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0049 ppm	0.0310 ppm	0.0005 ppm	-0.0001 ppm	0.0048 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0047 ppm	0.0297 ppm	-0.0002 ppm	0.0015 ppm	0.0063 ppm
Recovery Percentage	0.953 %	1.365 %	9.151 %	1.519 %	0.892 %	5.506 %	10.925 %
Concentration RSD	136.6 %	49.6 %	8.1 %	2.0 %	160.0 %	146.9 %	13.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	-0.0012 ppm	0.0019 ppm	0.0001 ppm	0.0006 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run	0.0027 ppm	-0.0018 ppm	0.0022 ppm	0.0002 ppm	0.0007 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0046 ppm	-0.0001 ppm	0.0015 ppm	0.0001 ppm	0.0006 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0033 ppm	-0.0018 ppm	0.0021 ppm	0.0001 ppm	0.0006 ppm	0.0007 ppm	0.0001 ppm
Recovery Percentage	35.471 %	-0.248 %	3.800 %	0.985 %	6.162 %	1.550 %	-0.504 %
Concentration RSD	27.9 %	81.2 %	20.6 %	48.6 %	5.8 %	234.8 %	186.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	102.4397 %	102.4315 %	100.1481 %	104.2244 %	103.5650 %	101.9424 %
Concentration per Run	0.0003 ppm	102.3842 %	102.5476 %	100.0285 %	104.0225 %	103.0078 %	101.7187 %
Concentration per Run	0.0004 ppm	102.3892 %	100.5129 %	100.5129 %	104.7083 %	103.4104 %	101.9890 %
Concentration per Run	0.0004 ppm	101.9883 %	102.3577 %	99.9030 %	103.9423 %	104.2767 %	102.1195 %
Recovery Percentage	6.991 %	0.5 %	0.1 %	0.3 %	0.4 %	0.6 %	0.2 %
Concentration RSD	5.0 %						

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113572-1 WG2113572
Analysis started at: 9/11/2025 9:15:38 PM
Rack 2
Vial 24
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0058 ppm	-0.0012 ppm	0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0147 ppm
Concentration per Run	-0.0004 ppm	0.0025 ppm	-0.0009 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0145 ppm
Concentration per Run	-0.0001 ppm	0.0098 ppm	-0.0017 ppm	0.0009 ppm	0.0003 ppm	0.0001 ppm	0.0152 ppm
Concentration per Run	-0.0006 ppm	0.0050 ppm	-0.0010 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	0.0143 ppm
Recovery Percentage	-7.909 %	5.786 %	-23.920 %	2.252 %	3.021 %	0.736 %	14.667 %
Concentration RSD	61.3 %	64.3 %	35.4 %	69.0 %	6.1 %	62.4 %	3.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0004 ppm	0.0006 ppm	0.0002 ppm	0.0531 ppm	0.0154 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0009 ppm	0.0002 ppm	0.0536 ppm	0.0220 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0006 ppm	0.0001 ppm	0.0525 ppm	0.0110 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0002 ppm	0.0531 ppm	0.0133 ppm	-0.0004 ppm
Recovery Percentage	0.258 %	-3.780 %	6.120 %	1.748 %	106.178 %	0.617 %	3.311 %
Concentration RSD	221.4 %	38.2 %	42.3 %	47.1 %	1.0 %	37.4 %	244.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0030 ppm	0.0005 ppm	0.0024 ppm	0.0278 ppm	0.0001 ppm	0.0006 ppm	0.0117 ppm
Concentration per Run	0.0021 ppm	0.0005 ppm	0.0029 ppm	0.0283 ppm	0.0003 ppm	0.0012 ppm	0.0134 ppm
Concentration per Run	0.0039 ppm	0.0005 ppm	0.0022 ppm	0.0291 ppm	-0.0003 ppm	0.0004 ppm	0.0096 ppm
Concentration per Run	0.0031 ppm	0.0005 ppm	0.0020 ppm	0.0260 ppm	0.0004 ppm	0.0002 ppm	0.0121 ppm
Recovery Percentage	3.036 %	5.058 %	4.731 %	1.390 %	0.544 %	6.045 %	23.435 %
Concentration RSD	28.9 %	4.4 %	20.2 %	5.8 %	289.7 %	85.8 %	16.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	0.0352 ppm	0.0108 ppm	0.0001 ppm	0.0004 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run	0.0022 ppm	0.0355 ppm	0.0114 ppm	0.0001 ppm	0.0002 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0352 ppm	0.0100 ppm	0.0001 ppm	0.0004 ppm	-0.0011 ppm	0.0000 ppm
Concentration per Run	0.0022 ppm	0.0349 ppm	0.0111 ppm	0.0001 ppm	0.0004 ppm	-0.0010 ppm	0.0000 ppm
Recovery Percentage	14.761 %	7.037 %	21.665 %	0.883 %	3.537 %	-4.606 %	-0.461 %
Concentration RSD	85.5 %	0.9 %	7.0 %	35.0 %	27.2 %	21.8 %	168.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0067 ppm	100.4123 %	102.9258 %	97.0165 %	100.2385 %	103.7458 %	98.8869 %
Concentration per Run	0.0066 ppm	100.2184 %	102.5438 %	96.9467 %	99.5766 %	104.1613 %	98.6229 %
Concentration per Run	0.0066 ppm	100.8014 %	103.5723 %	96.6448 %	100.9474 %	104.0055 %	98.7967 %
Concentration per Run	0.0069 ppm	100.2170 %	102.6614 %	97.4579 %	100.1914 %	103.0706 %	99.2411 %
Recovery Percentage	133.627 %						
Concentration RSD	2.8 %	0.3 %	0.5 %	0.4 %	0.7 %	0.6 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113572-2d2 WG2113572

Analysis started at: 9/11/2025 9:19:21 PM

Rack 2

Vial 25

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0480 ppm	2.0470 ppm	0.1152 ppm	0.9904 ppm	1.9646 ppm	0.0510 ppm	10.2329 ppm
Concentration per Run	0.0483 ppm	2.0483 ppm	0.1143 ppm	0.9906 ppm	1.9719 ppm	0.0510 ppm	10.2575 ppm
Concentration per Run	0.0477 ppm	2.0416 ppm	0.1163 ppm	0.9851 ppm	1.9536 ppm	0.0508 ppm	10.2178 ppm
Concentration per Run	0.0481 ppm	2.0510 ppm	0.1151 ppm	0.9956 ppm	1.9684 ppm	0.0511 ppm	10.2235 ppm
Concentration RSD	0.7 %	0.2 %	0.9 %	0.5 %	0.5 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0518 ppm	0.4834 ppm	0.1973 ppm	0.2487 ppm	1.0168 ppm	10.4799 ppm	-0.0003 ppm
Concentration per Run	0.0516 ppm	0.4846 ppm	0.1969 ppm	0.2483 ppm	1.0229 ppm	10.5502 ppm	-0.0003 ppm
Concentration per Run	0.0516 ppm	0.4793 ppm	0.1970 ppm	0.2485 ppm	1.0150 ppm	10.4236 ppm	-0.0002 ppm
Concentration per Run	0.0521 ppm	0.4863 ppm	0.1981 ppm	0.2493 ppm	1.0126 ppm	10.4658 ppm	-0.0003 ppm
Concentration RSD	0.5 %	0.8 %	0.3 %	0.2 %	0.5 %	0.6 %	12.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.1765 ppm	0.5016 ppm	1.0105 ppm	10.7452 ppm	0.4989 ppm	0.5165 ppm	0.4902 ppm
Concentration per Run	10.2528 ppm	0.5024 ppm	1.0026 ppm	10.7370 ppm	0.4974 ppm	0.5156 ppm	0.4863 ppm
Concentration per Run	10.1065 ppm	0.4999 ppm	1.0080 ppm	10.7035 ppm	0.4992 ppm	0.5166 ppm	0.4908 ppm
Concentration per Run	10.1703 ppm	0.5026 ppm	1.0209 ppm	10.7952 ppm	0.5001 ppm	0.5175 ppm	0.4934 ppm
Concentration RSD	0.7 %	0.3 %	0.9 %	0.4 %	0.3 %	0.2 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1178 ppm	0.9483 ppm	1.0047 [SIC 50]	1.0184 ppm	1.0065 ppm	0.1175 ppm	0.5090 ppm
Concentration per Run	0.1169 ppm	0.9426 ppm	1.0025 ppm	1.0216 ppm	1.0076 ppm	0.1173 ppm	0.5084 ppm
Concentration per Run	0.1158 ppm	0.9457 ppm	1.0010 ppm	1.0169 ppm	1.0079 ppm	0.1171 ppm	0.5087 ppm
Concentration per Run	0.1208 ppm	0.9566 ppm	1.0106 ppm	1.0166 ppm	1.0039 ppm	0.1180 ppm	0.5098 ppm
Concentration RSD	2.2 %	0.8 %	0.5 %	0.3 %	0.2 %	0.4 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4900 ppm	99.5266 %	102.2144 %	93.5827 %	99.1106 %	102.4665 %	98.6325 %
Concentration per Run	0.4895 ppm	99.3451 %	101.5290 %	93.3122 %	98.3949 %	101.5453 %	98.2844 %
Concentration per Run	0.4869 ppm	99.8143 %	103.0992 %	93.4311 %	99.5186 %	103.3457 %	98.4558 %
Concentration per Run	0.4936 ppm	99.4204 %	102.0151 %	94.0048 %	99.4185 %	102.5087 %	99.1572 %
Concentration RSD	0.7 %	0.3 %	0.8 %	0.4 %	0.6 %	0.9 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554000-02d2 WG2113572

Analysis started at: 9/11/2025 9:22:48 PM

Rack 2

Vial 31

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0011 ppm	28.5392 ppm	0.0169 ppm	0.0064 ppm	0.2099 ppm	0.0014 ppm	5.6654 ppm
Concentration per Run	0.0012 ppm	28.5432 ppm	0.0175 ppm	0.0072 ppm	0.2096 ppm	0.0014 ppm	5.6193 ppm
Concentration per Run	0.0010 ppm	28.5403 ppm	0.0161 ppm	0.0057 ppm	0.2089 ppm	0.0014 ppm	5.6942 ppm
Concentration per Run	0.0010 ppm	28.5341 ppm	0.0171 ppm	0.0064 ppm	0.2111 ppm	0.0014 ppm	5.6826 ppm
Concentration RSD	10.3 %	0.0 %	4.5 %	11.7 %	0.5 %	0.5 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0098 ppm	0.0347 ppm	0.0341 ppm	0.4687 ppm	50.5516 ppm	2.8365 ppm	0.0594 ppm
Concentration per Run	0.0097 ppm	0.0344 ppm	0.0341 ppm	0.4686 ppm	50.1117 ppm	2.8408 ppm	0.0590 ppm
Concentration per Run	0.0099 ppm	0.0350 ppm	0.0341 ppm	0.4679 ppm	50.7337 ppm	2.8184 ppm	0.0592 ppm
Concentration per Run	0.0097 ppm	0.0346 ppm	0.0340 ppm	0.4697 ppm	50.8095 ppm	2.8504 ppm	0.0599 ppm
Concentration RSD	1.0 %	0.8 %	0.2 %	0.2 %	0.8 %	0.6 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	8.7772 ppm	1.4225 ppm	0.0090 ppm	0.1693 ppm	0.0477 ppm	2.2473 ppm	0.0310 ppm
Concentration per Run	8.7852 ppm	1.4162 ppm	0.0092 ppm	0.1684 ppm	0.0481 ppm	2.2426 ppm	0.0319 ppm
Concentration per Run	8.7939 ppm	1.4259 ppm	0.0091 ppm	0.1694 ppm	0.0474 ppm	2.2521 ppm	0.0323 ppm
Concentration per Run	8.7524 ppm	1.4254 ppm	0.0086 ppm	0.1700 ppm	0.0476 ppm	2.2472 ppm	0.0287 ppm
Concentration RSD	0.2 %	0.4 %	3.6 %	0.5 %	0.7 %	0.2 %	6.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0132 ppm	8.8715 ppm	0.0268 ppm	0.0214 ppm	0.2874 ppm	-0.0006 ppm	0.0303 ppm
Concentration per Run	0.0142 ppm	8.8498 ppm	0.0277 ppm	0.0214 ppm	0.2923 ppm	0.0003 ppm	0.0305 ppm
Concentration per Run	0.0132 ppm	8.9848 ppm	0.0267 ppm	0.0215 ppm	0.3075 ppm	-0.0020 ppm	0.0303 ppm
Concentration per Run	0.0122 ppm	8.7799 ppm	0.0261 ppm	0.0215 ppm	0.2625 ppm	-0.0002 ppm	0.0300 ppm
Concentration RSD	7.7 %	1.2 %	3.1 %	0.3 %	8.0 %	186.2 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5319 ppm	100.9982 %	105.5105 %	93.9447 %	103.5412 %	107.9608 %	102.3726 %
Concentration per Run	0.5297 ppm	101.2529 %	107.1219 %	93.6327 %	103.7589 %	108.8314 %	101.6829 %
Concentration per Run	0.5339 ppm	100.6541 %	104.7709 %	94.1369 %	103.0343 %	107.3258 %	103.1096 %
Concentration per Run	0.5322 ppm	101.0876 %	104.6386 %	94.0644 %	103.8304 %	107.7252 %	102.3254 %
Concentration RSD	0.4 %	0.3 %	1.3 %	0.3 %	0.4 %	0.7 %	0.7 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554000-04d2 WG2113572

Analysis started at: 9/11/2025 9:26:14 PM

Rack 2

Vial 32

Comment <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	65.4097 ppm	0.0292 ppm	0.0079 ppm	0.1839 ppm	0.0019 ppm	2.2130 ppm
Concentration per Run	0.0007 ppm	65.6909 ppm	0.0282 ppm	0.0073 ppm	0.1849 ppm	0.0019 ppm	2.2114 ppm
Concentration per Run	-0.0001 ppm	64.9270 ppm	0.0298 ppm	0.0082 ppm	0.1822 ppm	0.0020 ppm	2.2273 ppm
Concentration per Run	0.0007 ppm	65.6110 ppm	0.0294 ppm	0.0081 ppm	0.1847 ppm	0.0019 ppm	2.2002 ppm
Concentration RSD	105.6 %	0.6 %	2.9 %	6.3 %	0.8 %	0.7 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0359 ppm	0.0630 ppm	0.0526 ppm	109.3379 ppm	5.1957 ppm	0.1224 ppm
Concentration per Run	0.0006 ppm	0.0359 ppm	0.0633 ppm	0.0529 ppm	109.5495 ppm	5.2177 ppm	0.1221 ppm
Concentration per Run	0.0003 ppm	0.0356 ppm	0.0631 ppm	0.0519 ppm	109.4021 ppm	5.1743 ppm	0.1248 ppm
Concentration per Run	0.0006 ppm	0.0361 ppm	0.0625 ppm	0.0530 ppm	109.0620 ppm	5.1950 ppm	0.1203 ppm
Concentration RSD	36.3 %	0.7 %	0.7 %	1.1 %	0.2 %	0.4 %	1.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.1468 ppm	1.2589 ppm	0.0022 ppm	0.2723 ppm	0.0829 ppm	0.0874 ppm	0.0018 ppm
Concentration per Run	17.2983 ppm	1.2592 ppm	0.0023 ppm	0.2794 ppm	0.0828 ppm	0.0874 ppm	0.0037 ppm
Concentration per Run	17.2592 ppm	1.2584 ppm	0.0022 ppm	0.2686 ppm	0.0831 ppm	0.0877 ppm	0.0008 ppm
Concentration per Run	16.8829 ppm	1.2591 ppm	0.0023 ppm	0.2690 ppm	0.0829 ppm	0.0871 ppm	0.0008 ppm
Concentration RSD	1.3 %	0.0 %	2.5 %	2.3 %	0.2 %	0.3 %	95.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	20.7091 [SIC 200]	0.0048 ppm	0.0164 ppm	0.7966 ppm	0.0000 ppm	0.0881 ppm
Concentration per Run	0.0031 ppm	20.7804 ppm	0.0047 ppm	0.0166 ppm	0.7961 ppm	0.0011 ppm	0.0876 ppm
Concentration per Run	0.0008 ppm	21.0966 ppm	0.0051 ppm	0.0162 ppm	0.8048 ppm	-0.0008 ppm	0.0890 ppm
Concentration per Run	0.0005 ppm	20.2505 ppm	0.0047 ppm	0.0164 ppm	0.7891 ppm	-0.0003 ppm	0.0875 ppm
Concentration RSD	96.9 %	2.1 %	4.7 %	1.1 %	1.0 %	17.585.7 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2483 ppm	99.5011 %	104.1511 %	91.1710 %	103.6284 %	110.6533 %	105.0713 %
Concentration per Run	0.2518 ppm	99.4924 %	104.0149 %	91.0210 %	102.9506 %	109.4535 %	105.2150 %
Concentration per Run	0.2463 ppm	98.6052 %	103.5980 %	91.2997 %	103.5045 %	112.3474 %	104.7768 %
Concentration per Run	0.2469 ppm	100.4057 %	104.8404 %	91.1924 %	104.4302 %	110.1591 %	105.2222 %
Concentration RSD	1.2 %	0.9 %	0.6 %	0.2 %	0.7 %	1.4 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554002-01d2 WG2113572

Analysis started at: 9/11/2025 9:29:40 PM

Rack 2

Vial 33

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0077 ppm	59.7903 ppm	0.2156 ppm	0.0318 ppm	2.4827 ppm	0.0043 ppm	50.4286 ppm
Concentration per Run	0.0079 ppm	59.7565 ppm	0.2132 ppm	0.0318 ppm	2.4981 ppm	0.0044 ppm	50.7703 ppm
Concentration per Run	0.0074 ppm	60.0300 ppm	0.2184 ppm	0.0322 ppm	2.4745 ppm	0.0044 ppm	50.4781 ppm
Concentration per Run	0.0078 ppm	59.5843 ppm	0.2153 ppm	0.0314 ppm	2.4754 ppm	0.0043 ppm	50.0374 ppm
Concentration RSD	3.7 %	0.4 %	1.2 %	1.2 %	0.5 %	0.8 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0044 ppm	0.0616 ppm	0.3239 ppm	3.5675 ppm	175.7282 ppm	10.1335 ppm	0.1023 ppm
Concentration per Run	0.0045 ppm	0.0615 ppm	0.3228 ppm	3.5565 ppm	177.5116 ppm	10.1779 ppm	0.1034 ppm
Concentration per Run	0.0044 ppm	0.0615 ppm	0.3247 ppm	3.5646 ppm	175.0482 ppm	10.1333 ppm	0.1015 ppm
Concentration per Run	0.0043 ppm	0.0617 ppm	0.3243 ppm	3.5813 ppm	174.6247 ppm	10.0893 ppm	0.1019 ppm
Concentration RSD	2.6 %	0.2 %	0.3 %	0.4 %	0.9 %	0.4 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	25.5953 ppm	3.6008 ppm	0.0255 ppm	4.2320 ppm	0.2190 ppm	6.7500 ppm	0.0159 ppm
Concentration per Run	25.5745 ppm	3.6158 ppm	0.0254 ppm	4.2313 ppm	0.2169 ppm	6.7611 ppm	0.0158 ppm
Concentration per Run	25.5822 ppm	3.6109 ppm	0.0257 ppm	4.2434 ppm	0.2192 ppm	6.7351 ppm	0.0159 ppm
Concentration per Run	25.6291 ppm	3.5758 ppm	0.0254 ppm	4.2211 ppm	0.2208 ppm	6.7538 ppm	0.0160 ppm
Concentration RSD	0.1 %	0.6 %	0.6 %	0.3 %	0.9 %	0.2 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0183 ppm	10.0601 ppm	0.5127 ppm	0.4686 ppm	2.6552 ppm	0.0006 ppm	0.2343 ppm
Concentration per Run	0.0186 ppm	10.3641 ppm	0.5089 ppm	0.4690 ppm	2.6400 ppm	0.0027 ppm	0.2339 ppm
Concentration per Run	0.0168 ppm	9.8923 ppm	0.5158 ppm	0.4695 ppm	2.6734 ppm	-0.0006 ppm	0.2347 ppm
Concentration per Run	0.0194 ppm	9.9239 ppm	0.5134 ppm	0.4674 ppm	2.6521 ppm	-0.0002 ppm	0.2343 ppm
Concentration RSD	7.3 %	2.6 %	0.7 %	0.2 %	0.6 %	298.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	3.2845 ppm	100.1815 %	107.3746 %	87.2990 %	114.4537 %	122.7320 %	114.0070 %
Concentration per Run	3.2769 ppm	100.3597 %	106.6676 %	86.9940 %	114.2363 %	121.9455 %	113.8132 %
Concentration per Run	3.2831 ppm	100.1811 %	107.5246 %	87.2325 %	114.5320 %	123.2931 %	113.6527 %
Concentration per Run	3.2933 ppm	100.0036 %	107.9317 %	87.6706 %	114.5930 %	122.9574 %	114.5553 %
Concentration RSD	0.3 %	0.2 %	0.6 %	0.4 %	0.2 %	0.6 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2556684-06d2 WG2113572

Analysis started at: 9/11/2025 9:33:06 PM

Rack 2

Vial 26

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	47.6041 ppm	0.0088 ppm	0.0019 ppm	0.3268 ppm	0.0028 ppm	4.0873 ppm
Concentration per Run	0.0005 ppm	47.2654 ppm	0.0083 ppm	0.0029 ppm	0.3282 ppm	0.0028 ppm	4.0756 ppm
Concentration per Run	0.0002 ppm	47.7419 ppm	0.0098 ppm	0.0015 ppm	0.3264 ppm	0.0028 ppm	4.0974 ppm
Concentration per Run	0.0002 ppm	47.8050 ppm	0.0082 ppm	0.0012 ppm	0.3259 ppm	0.0029 ppm	4.0888 ppm
Concentration RSD	72.3 %	0.6 %	10.2 %	48.2 %	0.4 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0011 ppm	0.0514 ppm	0.1095 ppm	0.1252 ppm	105.7566 ppm	6.7331 ppm	0.0569 ppm
Concentration per Run	0.0011 ppm	0.0512 ppm	0.1094 ppm	0.1257 ppm	105.2801 ppm	6.7169 ppm	0.0575 ppm
Concentration per Run	0.0010 ppm	0.0511 ppm	0.1095 ppm	0.1249 ppm	105.9498 ppm	6.7420 ppm	0.0568 ppm
Concentration per Run	0.0012 ppm	0.0520 ppm	0.1095 ppm	0.1250 ppm	106.0398 ppm	6.7403 ppm	0.0565 ppm
Concentration RSD	8.0 %	1.0 %	0.1 %	0.4 %	0.4 %	0.2 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.0385 ppm	3.1625 ppm	0.0053 ppm	0.2704 ppm	0.1316 ppm	0.0534 ppm	0.0017 ppm
Concentration per Run	18.9742 ppm	3.1504 ppm	0.0051 ppm	0.2728 ppm	0.1311 ppm	0.0532 ppm	0.0031 ppm
Concentration per Run	18.9348 ppm	3.1656 ppm	0.0055 ppm	0.2717 ppm	0.1308 ppm	0.0534 ppm	0.0014 ppm
Concentration per Run	19.2064 ppm	3.1716 ppm	0.0053 ppm	0.2669 ppm	0.1330 ppm	0.0534 ppm	0.0008 ppm
Concentration RSD	0.8 %	0.3 %	3.8 %	1.2 %	0.9 %	0.2 %	68.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0006 ppm	4.3958 ppm	0.0063 ppm	0.0211 ppm	2.4951 ppm	0.0005 ppm	0.1455 ppm
Concentration per Run	-0.0017 ppm	4.4639 ppm	0.0064 ppm	0.0210 ppm	2.4997 ppm	0.0007 ppm	0.1451 ppm
Concentration per Run	-0.0002 ppm	4.3891 ppm	0.0061 ppm	0.0212 ppm	2.4731 ppm	0.0007 ppm	0.1457 ppm
Concentration per Run	0.0002 ppm	4.3345 ppm	0.0065 ppm	0.0211 ppm	2.5124 ppm	0.0000 ppm	0.1458 ppm
Concentration RSD	174.2 %	1.5 %	3.5 %	0.7 %	0.8 %	85.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3195 ppm	100.8686 %	107.0503 %	91.4979 %	111.8713 %	117.9830 %	112.4288 %
Concentration per Run	0.3178 ppm	101.3301 %	107.6463 %	91.9095 %	112.3888 %	117.2058 %	112.7309 %
Concentration per Run	0.3181 ppm	100.6996 %	106.6678 %	91.2724 %	111.5961 %	118.8145 %	112.3957 %
Concentration per Run	0.3226 ppm	100.5761 %	106.8366 %	91.3118 %	111.6290 %	117.9288 %	112.1597 %
Concentration RSD	0.8 %	0.4 %	0.5 %	0.4 %	0.4 %	0.7 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113572-3d2 WG2113572

Analysis started at: 9/11/2025 9:36:33 PM

Rack 2

Vial 27

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0465 ppm	51.6080 ppm	0.1084 ppm	0.9310 ppm	2.2089 ppm	0.0508 ppm	14.1723 ppm
Concentration per Run	0.0464 ppm	51.6535 ppm	0.1101 ppm	0.9305 ppm	2.2080 ppm	0.0508 ppm	14.1095 ppm
Concentration per Run	0.0465 ppm	51.7376 ppm	0.1075 ppm	0.9370 ppm	2.2026 ppm	0.0506 ppm	14.1372 ppm
Concentration per Run	0.0467 ppm	51.4330 ppm	0.1075 ppm	0.9253 ppm	2.2163 ppm	0.0510 ppm	14.2703 ppm
Concentration RSD	0.3 %	0.3 %	1.4 %	0.6 %	0.3 %	0.4 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0501 ppm	0.5042 ppm	0.2799 ppm	0.3665 ppm	102.5540 ppm	17.0991 ppm	0.0592 ppm
Concentration per Run	0.0500 ppm	0.5034 ppm	0.2793 ppm	0.3645 ppm	102.7069 ppm	17.0525 ppm	0.0593 ppm
Concentration per Run	0.0506 ppm	0.5083 ppm	0.2813 ppm	0.3683 ppm	102.2348 ppm	17.0742 ppm	0.0590 ppm
Concentration per Run	0.0497 ppm	0.5010 ppm	0.2790 ppm	0.3665 ppm	102.7204 ppm	17.1706 ppm	0.0592 ppm
Concentration RSD	0.9 %	0.7 %	0.4 %	0.5 %	0.3 %	0.4 %	0.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.3092 ppm	3.7084 ppm	0.9618 ppm	10.6157 ppm	0.5956 ppm	0.5632 ppm	0.2963 ppm
Concentration per Run	29.4027 ppm	3.7099 ppm	0.9571 ppm	10.6180 ppm	0.5941 ppm	0.5658 ppm	0.2940 ppm
Concentration per Run	29.2938 ppm	3.7137 ppm	0.9695 ppm	10.6220 ppm	0.5989 ppm	0.5638 ppm	0.2986 ppm
Concentration per Run	29.2312 ppm	3.7014 ppm	0.9587 ppm	10.6071 ppm	0.5937 ppm	0.5599 ppm	0.2963 ppm
Concentration RSD	0.3 %	0.2 %	0.7 %	0.1 %	0.5 %	0.5 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1115 ppm	6.8101 ppm	0.9151 ppm	1.0057 ppm	3.4877 ppm	0.1147 ppm	0.6221 ppm
Concentration per Run	0.1124 ppm	6.8367 ppm	0.9106 ppm	1.0087 ppm	3.4898 ppm	0.1152 ppm	0.6207 ppm
Concentration per Run	0.1121 ppm	6.8681 ppm	0.9246 ppm	1.0032 ppm	3.4853 ppm	0.1142 ppm	0.6237 ppm
Concentration per Run	0.1100 ppm	6.7255 ppm	0.9101 ppm	1.0052 ppm	3.4879 ppm	0.1146 ppm	0.6218 ppm
Concentration RSD	1.2 %	1.1 %	0.9 %	0.3 %	0.1 %	0.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7741 ppm	99.1963 %	104.5931 %	88.1159 %	109.6932 %	115.9399 %	110.1002 %
Concentration per Run	0.7728 ppm	99.4877 %	105.5977 %	87.8288 %	109.7744 %	116.9792 %	109.8616 %
Concentration per Run	0.7798 ppm	98.4962 %	103.7951 %	88.6718 %	109.3229 %	115.1285 %	110.8128 %
Concentration per Run	0.7696 ppm	99.6050 %	104.3866 %	87.8492 %	109.9823 %	115.7120 %	109.6263 %
Concentration RSD	0.7 %	0.6 %	0.9 %	0.5 %	0.3 %	0.8 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113572-4d2 WG2113572

Analysis started at: 9/11/2025 9:39:59 PM

Rack 2

Vial 28

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0461 ppm	53.8125 ppm	0.1047 ppm	0.9103 ppm	2.2084 ppm	0.0503 ppm	13.7922 ppm
Concentration per Run	0.0462 ppm	54.0308 ppm	0.1050 ppm	0.9154 ppm	2.2180 ppm	0.0505 ppm	13.8533 ppm
Concentration per Run	0.0461 ppm	53.8238 ppm	0.1036 ppm	0.9007 ppm	2.2049 ppm	0.0504 ppm	13.8288 ppm
Concentration per Run	0.0458 ppm	53.5828 ppm	0.1054 ppm	0.9149 ppm	2.2022 ppm	0.0501 ppm	13.6945 ppm
Concentration RSD	0.5 %	0.4 %	0.9 %	0.9 %	0.4 %	0.4 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0489 ppm	0.5001 ppm	0.2775 ppm	0.3616 ppm	102.5348 ppm	17.2341 ppm	0.0582 ppm
Concentration per Run	0.0489 ppm	0.5031 ppm	0.2783 ppm	0.3638 ppm	102.8295 ppm	17.2874 ppm	0.0585 ppm
Concentration per Run	0.0486 ppm	0.4961 ppm	0.2761 ppm	0.3590 ppm	102.9490 ppm	17.2198 ppm	0.0588 ppm
Concentration per Run	0.0491 ppm	0.5013 ppm	0.2782 ppm	0.3620 ppm	101.8259 ppm	17.1951 ppm	0.0574 ppm
Concentration RSD	0.5 %	0.7 %	0.4 %	0.7 %	0.6 %	0.3 %	1.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	30.0219 ppm	3.8253 ppm	0.9431 ppm	10.4449 ppm	0.5850 ppm	0.5628 ppm	0.2722 ppm
Concentration per Run	30.0265 ppm	3.8378 ppm	0.9461 ppm	10.4595 ppm	0.5846 ppm	0.5623 ppm	0.2728 ppm
Concentration per Run	29.9828 ppm	3.8331 ppm	0.9340 ppm	10.4312 ppm	0.5816 ppm	0.5646 ppm	0.2688 ppm
Concentration per Run	30.0565 ppm	3.8052 ppm	0.9491 ppm	10.4441 ppm	0.5888 ppm	0.5617 ppm	0.2752 ppm
Concentration RSD	0.1 %	0.5 %	0.8 %	0.1 %	0.6 %	0.3 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1087 ppm	7.5179 ppm	0.8689 ppm	0.9866 ppm	3.7163 ppm	0.1141 ppm	0.6242 ppm
Concentration per Run	0.1084 ppm	7.5252 ppm	0.8722 ppm	0.9918 ppm	3.7278 ppm	0.1132 ppm	0.6249 ppm
Concentration per Run	0.1095 ppm	7.4899 ppm	0.8584 ppm	0.9865 ppm	3.6828 ppm	0.1147 ppm	0.6239 ppm
Concentration per Run	0.1082 ppm	7.5387 ppm	0.8761 ppm	0.9814 ppm	3.7384 ppm	0.1145 ppm	0.6238 ppm
Concentration RSD	0.6 %	0.3 %	1.1 %	0.5 %	0.8 %	0.7 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7732 ppm	100.5798 %	106.0851 %	88.5279 %	111.0305 %	117.3129 %	111.1058 %
Concentration per Run	0.7763 ppm	100.1720 %	106.0637 %	89.4078 %	110.9721 %	117.6829 %	112.0428 %
Concentration per Run	0.7665 ppm	100.8148 %	105.7573 %	88.1470 %	110.8470 %	117.6385 %	110.8213 %
Concentration per Run	0.7770 ppm	100.7525 %	106.4344 %	88.0290 %	111.2723 %	116.6173 %	110.4534 %
Concentration RSD	0.8 %	0.4 %	0.3 %	0.9 %	0.2 %	0.5 %	0.7 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113572-5d2 WG2113572

Analysis started at: 9/11/2025 9:43:25 PM

Rack 2

Vial 29

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0452 ppm	47.8923 ppm	0.1061 ppm	0.8995 ppm	2.0975 ppm	0.0490 ppm	13.3265 ppm
Concentration per Run	0.0455 ppm	47.9281 ppm	0.1055 ppm	0.9004 ppm	2.1023 ppm	0.0489 ppm	13.2874 ppm
Concentration per Run	0.0454 ppm	47.4219 ppm	0.1070 ppm	0.9000 ppm	2.0653 ppm	0.0487 ppm	13.4008 ppm
Concentration per Run	0.0448 ppm	48.3271 ppm	0.1057 ppm	0.8982 ppm	2.1248 ppm	0.0494 ppm	13.2911 ppm
Concentration RSD	0.9 %	0.9 %	0.8 %	0.1 %	1.4 %	0.7 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0485 ppm	0.4923 ppm	0.2882 ppm	0.3538 ppm	103.3944 ppm	15.9833 ppm	0.0554 ppm
Concentration per Run	0.0489 ppm	0.4950 ppm	0.2897 ppm	0.3556 ppm	103.2783 ppm	16.0133 ppm	0.0554 ppm
Concentration per Run	0.0484 ppm	0.4897 ppm	0.2887 ppm	0.3531 ppm	102.8763 ppm	15.7287 ppm	0.0568 ppm
Concentration per Run	0.0484 ppm	0.4921 ppm	0.2862 ppm	0.3529 ppm	104.0285 ppm	16.2081 ppm	0.0539 ppm
Concentration RSD	0.6 %	0.5 %	0.6 %	0.4 %	0.6 %	1.5 %	2.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	27.6663 ppm	3.5205 ppm	0.9243 ppm	9.9521 ppm	0.5823 ppm	0.5485 ppm	0.4541 ppm
Concentration per Run	27.8780 ppm	3.5095 ppm	0.9260 ppm	9.9110 ppm	0.5864 ppm	0.5483 ppm	0.4533 ppm
Concentration per Run	27.5911 ppm	3.5117 ppm	0.9245 ppm	9.9658 ppm	0.5841 ppm	0.5518 ppm	0.4555 ppm
Concentration per Run	27.5298 ppm	3.5403 ppm	0.9223 ppm	9.9794 ppm	0.5765 ppm	0.5456 ppm	0.4537 ppm
Concentration RSD	0.7 %	0.5 %	0.2 %	0.4 %	0.9 %	0.6 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1129 ppm	4.8642 ppm	0.9083 ppm	0.9452 ppm	3.3377 ppm	0.1121 ppm	0.6077 ppm
Concentration per Run	0.1126 ppm	4.9463 ppm	0.9158 ppm	0.9400 ppm	3.3438 ppm	0.1124 ppm	0.6089 ppm
Concentration per Run	0.1120 ppm	4.8304 ppm	0.9093 ppm	0.9467 ppm	3.3378 ppm	0.1128 ppm	0.6073 ppm
Concentration per Run	0.1142 ppm	4.8159 ppm	0.8998 ppm	0.9488 ppm	3.3317 ppm	0.1112 ppm	0.6068 ppm
Concentration RSD	1.0 %	1.5 %	0.9 %	0.5 %	0.2 %	0.7 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7642 ppm	100.0780 %	105.1541 %	89.0735 %	110.1455 %	116.9576 %	110.1133 %
Concentration per Run	0.7724 ppm	99.6359 %	105.7934 %	88.9649 %	109.4605 %	115.5657 %	110.1701 %
Concentration per Run	0.7651 ppm	100.5059 %	104.8703 %	89.0620 %	110.7645 %	119.2596 %	110.2228 %
Concentration per Run	0.7552 ppm	100.0924 %	104.7987 %	89.1936 %	110.2114 %	116.0474 %	109.9470 %
Concentration RSD	1.1 %	0.4 %	0.5 %	0.1 %	0.6 %	1.7 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2113572-6d10 WG2113572

Analysis started at: 9/11/2025 9:46:52 PM

Rack 2

Vial 30

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	9.9399 ppm	0.0014 ppm	0.0024 ppm	0.0674 ppm	0.0006 ppm	0.8523 ppm
Concentration per Run	-0.0001 ppm	9.8973 ppm	0.0016 ppm	0.0020 ppm	0.0670 ppm	0.0006 ppm	0.8548 ppm
Concentration per Run	-0.0005 ppm	9.9202 ppm	0.0010 ppm	0.0028 ppm	0.0670 ppm	0.0006 ppm	0.8475 ppm
Concentration per Run	-0.0002 ppm	10.0023 ppm	0.0015 ppm	0.0023 ppm	0.0681 ppm	0.0006 ppm	0.8545 ppm
Concentration RSD	77.6 %	0.6 %	21.4 %	17.0 %	1.0 %	0.8 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0110 ppm	0.0227 ppm	0.0252 ppm	22.7253 ppm	1.4289 ppm	0.0119 ppm
Concentration per Run	0.0003 ppm	0.0110 ppm	0.0226 ppm	0.0252 ppm	22.7386 ppm	1.4176 ppm	0.0132 ppm
Concentration per Run	0.0004 ppm	0.0113 ppm	0.0228 ppm	0.0253 ppm	22.6456 ppm	1.4320 ppm	0.0110 ppm
Concentration per Run	0.0002 ppm	0.0108 ppm	0.0228 ppm	0.0250 ppm	22.7915 ppm	1.4370 ppm	0.0115 ppm
Concentration RSD	27.5 %	2.7 %	0.4 %	0.6 %	0.3 %	0.7 %	9.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.0403 ppm	0.6682 ppm	0.0070 ppm	0.0750 ppm	0.0281 ppm	0.0116 ppm	0.0057 ppm
Concentration per Run	4.0357 ppm	0.6679 ppm	0.0071 ppm	0.0768 ppm	0.0281 ppm	0.0107 ppm	0.0051 ppm
Concentration per Run	4.0773 ppm	0.6687 ppm	0.0068 ppm	0.0770 ppm	0.0282 ppm	0.0128 ppm	0.0075 ppm
Concentration per Run	4.0079 ppm	0.6718 ppm	0.0071 ppm	0.0712 ppm	0.0279 ppm	0.0115 ppm	0.0043 ppm
Concentration RSD	0.9 %	0.4 %	2.3 %	4.4 %	0.6 %	9.1 %	28.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	0.8692 ppm	0.0029 ppm	0.0045 ppm	0.5124 ppm	0.0004 ppm	0.0294 ppm
Concentration per Run	0.0012 ppm	0.8869 ppm	0.0033 ppm	0.0044 ppm	0.5117 ppm	0.0006 ppm	0.0295 ppm
Concentration per Run	0.0010 ppm	0.8494 ppm	0.0029 ppm	0.0044 ppm	0.5163 ppm	0.0001 ppm	0.0293 ppm
Concentration per Run	-0.0011 ppm	0.8712 ppm	0.0025 ppm	0.0045 ppm	0.5093 ppm	0.0005 ppm	0.0293 ppm
Concentration RSD	355.8 %	2.2 %	14.1 %	1.1 %	0.7 %	59.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0672 ppm	101.2968 ppm	104.6363 ppm	98.2753 ppm	104.1008 ppm	107.4222 ppm	104.1288 ppm
Concentration per Run	0.0663 ppm	101.0010 ppm	104.8534 ppm	97.7011 ppm	104.1966 ppm	107.8657 ppm	104.0871 ppm
Concentration per Run	0.0690 ppm	101.2478 ppm	104.9047 ppm	99.1539 ppm	103.9816 ppm	106.6589 ppm	104.8412 ppm
Concentration per Run	0.0664 ppm	101.6414 ppm	104.1510 ppm	97.9709 ppm	104.1241 ppm	107.7420 ppm	103.4582 ppm
Concentration RSD	2.3 %	0.3 %	0.4 %	0.8 %	0.1 %	0.6 %	0.7 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

CCV

Sample:

Analysis started at: 9/11/2025 9:50:18 PM

Rack

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4780 ppm	0.4743 ppm	0.4712 ppm	0.4754 ppm	0.4817 ppm	0.4961 ppm	0.4900 ppm
Concentration per Run	0.4785 ppm	0.4785 ppm	0.4695 ppm	0.4767 ppm	0.4811 ppm	0.4960 ppm	0.4901 ppm
Concentration per Run	0.4766 ppm	0.4754 ppm	0.4708 ppm	0.4737 ppm	0.4806 ppm	0.4980 ppm	0.4948 ppm
Concentration per Run	0.4788 ppm	0.4718 ppm	0.4734 ppm	0.4759 ppm	0.4834 ppm	0.4941 ppm	0.4852 ppm
Recovery Percentage	95.597 %	94.853 %	94.245 %	95.084 %	96.336 %	99.210 %	98.007 %
Concentration RSD	0.2 %	0.4 %	0.4 %	0.3 %	0.3 %	0.4 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4885 ppm	0.4874 ppm	0.4904 ppm	0.4940 ppm	0.4988 ppm	5.0113 ppm	0.5187 ppm
Concentration per Run	0.4893 ppm	0.4887 ppm	0.4907 ppm	0.4953 ppm	0.5000 ppm	5.0267 ppm	0.5156 ppm
Concentration per Run	0.4856 ppm	0.4859 ppm	0.4901 ppm	0.4933 ppm	0.4978 ppm	5.0102 ppm	0.5227 ppm
Concentration per Run	0.4907 ppm	0.4877 ppm	0.4903 ppm	0.4935 ppm	0.4986 ppm	4.9969 ppm	0.5179 ppm
Recovery Percentage	97.703 %	97.483 %	98.073 %	98.802 %	99.753 %	100.225 %	103.748 %
Concentration RSD	0.5 %	0.3 %	0.1 %	0.2 %	0.2 %	0.3 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4920 ppm	0.4970 ppm	0.4801 ppm	10.1595 ppm	0.4963 ppm	0.4809 ppm	0.5070 ppm
Concentration per Run	0.4929 ppm	0.4977 ppm	0.4806 ppm	10.1766 ppm	0.4962 ppm	0.4797 ppm	0.5108 ppm
Concentration per Run	0.4882 ppm	0.4990 ppm	0.4773 ppm	10.2229 ppm	0.4954 ppm	0.4807 ppm	0.5067 ppm
Concentration per Run	0.4948 ppm	0.4943 ppm	0.4825 ppm	10.0791 ppm	0.4973 ppm	0.4824 ppm	0.5034 ppm
Recovery Percentage	98.396 %	99.400 %	96.029 %	101.595 %	99.265 %	96.182 %	101.396 %
Concentration RSD	0.7 %	0.5 %	0.6 %	0.7 %	0.2 %	0.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4664 ppm	5.2200 ppm	0.4910 ppm	0.5027 ppm	0.4854 ppm	0.4937 ppm	0.4969 ppm
Concentration per Run	0.4653 ppm	5.2189 ppm	0.4918 ppm	0.5023 ppm	0.4834 ppm	0.4900 ppm	0.4970 ppm
Concentration per Run	0.4647 ppm	5.1993 ppm	0.4887 ppm	0.5005 ppm	0.4851 ppm	0.4947 ppm	0.4963 ppm
Concentration per Run	0.4691 ppm	5.2418 ppm	0.4926 ppm	0.5052 ppm	0.4878 ppm	0.4963 ppm	0.4974 ppm
Recovery Percentage	93.278 %	99.428 %	98.202 %	100.532 %	97.084 %	98.735 %	99.378 %
Concentration RSD	0.5 %	0.4 %	0.4 %	0.5 %	0.5 %	0.7 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4814 ppm	101.1058 %	102.9473 %	96.8468 %	101.2210 %	103.1319 %	99.8240 %
Concentration per Run	0.4808 ppm	100.6898 %	102.8529 %	96.8699 %	100.7037 %	103.2962 %	99.7276 %
Concentration per Run	0.4820 ppm	101.5449 %	102.5545 %	97.3355 %	101.9126 %	103.5029 %	100.1783 %
Concentration per Run	0.4813 ppm	101.0828 %	103.4345 %	96.3350 %	101.0466 %	102.5968 %	99.5661 %
Recovery Percentage	96.275 %						
Concentration RSD	0.1 %	0.4 %	0.4 %	0.5 %	0.6 %	0.5 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 9:53:44 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0015 ppm	-0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0057 ppm
Concentration per Run	-0.0005 ppm	0.0014 ppm	0.0000 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0067 ppm
Concentration per Run	-0.0001 ppm	0.0057 ppm	-0.0007 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0053 ppm
Concentration per Run	-0.0002 ppm	-0.0028 ppm	0.0000 ppm	-0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0052 ppm
Recovery Percentage	-4.735 %	1.462 %	-4.736 %	0.943 %	1.657 %	1.256 %	5.722 %
Concentration RSD	80.1 %	291.4 %	154.2 %	370.6 %	29.3 %	20.4 %	15.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0046 ppm	0.0139 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0006 ppm	-0.0001 ppm	0.0051 ppm	0.0118 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0042 ppm	0.0113 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0045 ppm	0.0185 ppm	0.0005 ppm
Recovery Percentage	3.13 %	1.530 %	3.877 %	-1.114 %	9.179 %	0.555 %	3.387 %
Concentration RSD	37.1 %	170.0 %	66.3 %	61.0 %	9.8 %	29.1 %	61.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0003 ppm	0.0003 ppm	0.0043 ppm	0.0165 ppm	0.0003 ppm	0.0003 ppm	0.0021 ppm
Concentration per Run	0.0015 ppm	0.0003 ppm	0.0045 ppm	0.0168 ppm	0.0006 ppm	0.0005 ppm	0.0009 ppm
Concentration per Run	0.0004 ppm	0.0003 ppm	0.0043 ppm	0.0160 ppm	0.0002 ppm	0.0007 ppm	0.0007 ppm
Concentration per Run	-0.0010 ppm	0.0002 ppm	0.0040 ppm	0.0167 ppm	0.0000 ppm	-0.0004 ppm	0.0048 ppm
Recovery Percentage	0.327 %	2.561 %	8.541 %	0.823 %	1.036 %	2.690 %	4.240 %
Concentration RSD	384.6 %	23.4 %	5.0 %	2.7 %	126.6 %	215.8 %	108.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	-0.0007 ppm	0.0018 ppm	0.0001 ppm	0.0008 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0013 ppm	0.0002 ppm	0.0021 ppm	0.0002 ppm	0.0009 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	0.0026 ppm	-0.0015 ppm	0.0021 ppm	0.0001 ppm	0.0008 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0021 ppm	-0.0008 ppm	0.0013 ppm	0.0001 ppm	0.0009 ppm	0.0012 ppm	-0.0001 ppm
Recovery Percentage	20.354 %	-0.144 %	3.679 %	1.250 %	8.400 %	6.188 %	-0.160 %
Concentration RSD	31.6 %	118.9 %	24.8 %	40.4 %	8.5 %	38.0 %	257.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	101.5963 %	101.8730 %	100.1051 %	103.1690 %	103.4258 %	101.5669 %
Concentration per Run	0.0004 ppm	101.9083 %	102.0710 %	100.1085 %	103.4966 %	103.8973 %	101.5577 %
Concentration per Run	0.0005 ppm	101.7154 %	101.5114 %	100.0588 %	103.3379 %	102.4983 %	101.6915 %
Concentration per Run	0.0003 ppm	101.1652 %	102.0367 %	100.1480 %	102.6725 %	103.8817 %	101.4514 %
Recovery Percentage	8.037 %	0.4 %	0.3 %	0.0 %	0.4 %	0.8 %	0.1 %
Concentration RSD	27.2 %						

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554002-03d2 WG2113572

Analysis started at: 9/11/2025 10:34:36 PM

Rack 2

Vial 34

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0014 ppm	73.7152 ppm	0.0079 ppm	0.0307 ppm	0.2868 ppm	0.0044 ppm	14.5667 ppm
Concentration per Run	0.0014 ppm	73.7666 ppm	0.0074 ppm	0.0313 ppm	0.2876 ppm	0.0044 ppm	14.5203 ppm
Concentration per Run	0.0014 ppm	74.1865 ppm	0.0076 ppm	0.0291 ppm	0.2864 ppm	0.0045 ppm	14.5920 ppm
Concentration per Run	0.0014 ppm	73.1924 ppm	0.0087 ppm	0.0316 ppm	0.2865 ppm	0.0044 ppm	14.5878 ppm
Concentration RSD	2.8 %	0.7 %	9.1 %	4.4 %	0.2 %	0.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0013 ppm	0.0785 ppm	0.1529 ppm	0.1496 ppm	135.0241 ppm	14.6801 ppm	0.1551 ppm
Concentration per Run	0.0014 ppm	0.0790 ppm	0.1524 ppm	0.1498 ppm	135.3247 ppm	14.7030 ppm	0.1559 ppm
Concentration per Run	0.0013 ppm	0.0788 ppm	0.1525 ppm	0.1497 ppm	135.3065 ppm	14.7954 ppm	0.1560 ppm
Concentration per Run	0.0013 ppm	0.0776 ppm	0.1537 ppm	0.1495 ppm	134.4410 ppm	14.5418 ppm	0.1535 ppm
Concentration RSD	3.5 %	1.0 %	0.5 %	0.1 %	0.4 %	0.9 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	43.7785 ppm	1.5544 ppm	0.0011 ppm	15.2150 ppm	0.1728 ppm	0.0595 ppm	-0.0006 ppm
Concentration per Run	43.6450 ppm	1.5558 ppm	0.0012 ppm	15.2001 ppm	0.1723 ppm	0.0599 ppm	-0.0011 ppm
Concentration per Run	43.6173 ppm	1.5615 ppm	0.0010 ppm	15.3135 ppm	0.1727 ppm	0.0592 ppm	-0.0008 ppm
Concentration per Run	44.0732 ppm	1.5461 ppm	0.0013 ppm	15.1314 ppm	0.1734 ppm	0.0594 ppm	0.0000 ppm
Concentration RSD	0.6 %	0.5 %	12.3 %	0.6 %	0.3 %	0.6 %	93.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0007 ppm	10.5593 ppm	0.0070 ppm	0.1017 ppm	3.3894 ppm	0.0019 ppm	0.1758 ppm
Concentration per Run	-0.0010 ppm	10.6496 ppm	0.0075 ppm	0.1019 ppm	3.4198 ppm	0.0021 ppm	0.1761 ppm
Concentration per Run	0.0013 ppm	10.6839 ppm	0.0071 ppm	0.1023 ppm	3.3727 ppm	0.0018 ppm	0.1753 ppm
Concentration per Run	-0.0025 ppm	10.3445 ppm	0.0064 ppm	0.1009 ppm	3.3758 ppm	0.0019 ppm	0.1760 ppm
Concentration RSD	272.5 %	1.8 %	7.6 %	0.7 %	0.8 %	6.7 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4240 ppm	98.3749 %	106.2383 %	87.1068 %	114.2312 %	130.7712 %	117.4529 %
Concentration per Run	0.4257 ppm	98.7112 %	105.7240 %	87.7508 %	114.7338 %	130.0856 %	118.3258 %
Concentration per Run	0.4228 ppm	98.5795 %	106.0742 %	86.4373 %	114.4477 %	130.8407 %	116.5531 %
Concentration per Run	0.4234 ppm	97.8340 %	106.9166 %	87.1324 %	113.5122 %	131.3874 %	117.4798 %
Concentration RSD	0.4 %	0.5 %	0.6 %	0.8 %	0.6 %	0.5 %	0.8 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554694-08d2 WG2113572

Analysis started at: 9/11/2025 10:38:19 PM

Rack 2

Vial 35

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0025 ppm	95.6771 ppm	0.0316 ppm	0.0365 ppm	1.4131 ppm	0.0035 ppm	96.1404 ppm
Concentration per Run	0.0028 ppm	95.4470 ppm	0.0324 ppm	0.0367 ppm	1.4015 ppm	0.0035 ppm	96.4640 ppm
Concentration per Run	0.0023 ppm	96.3178 ppm	0.0317 ppm	0.0366 ppm	1.4297 ppm	0.0035 ppm	96.7012 ppm
Concentration per Run	0.0024 ppm	95.2664 ppm	0.0307 ppm	0.0361 ppm	1.4082 ppm	0.0035 ppm	95.2559 ppm
Concentration RSD	10.3 %	0.6 %	2.9 %	0.9 %	1.0 %	1.1 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0027 ppm	0.0723 ppm	0.2265 ppm	0.4151 ppm	171.5875 ppm	29.8531 ppm	0.1417 ppm
Concentration per Run	0.0028 ppm	0.0721 ppm	0.2270 ppm	0.4153 ppm	171.1713 ppm	29.6675 ppm	0.1406 ppm
Concentration per Run	0.0027 ppm	0.0721 ppm	0.2256 ppm	0.4171 ppm	173.5083 ppm	29.9516 ppm	0.1422 ppm
Concentration per Run	0.0027 ppm	0.0728 ppm	0.2269 ppm	0.4128 ppm	170.0828 ppm	29.9403 ppm	0.1424 ppm
Concentration RSD	2.1 %	0.5 %	0.3 %	0.5 %	1.0 %	0.5 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	54.8663 ppm	2.5798 ppm	0.0031 ppm	5.5144 ppm	0.1725 ppm	1.8666 ppm	0.0027 ppm
Concentration per Run	54.9584 ppm	2.5825 ppm	0.0029 ppm	5.4800 ppm	0.1727 ppm	1.8685 ppm	0.0015 ppm
Concentration per Run	54.7169 ppm	2.5987 ppm	0.0032 ppm	5.5404 ppm	0.1718 ppm	1.8616 ppm	0.0015 ppm
Concentration per Run	54.9237 ppm	2.5582 ppm	0.0031 ppm	5.5227 ppm	0.1731 ppm	1.8697 ppm	0.0051 ppm
Concentration RSD	0.2 %	0.8 %	6.7 %	0.6 %	0.4 %	0.2 %	77.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	12.6243 ppm	0.1612 ppm	0.3627 ppm	5.8176 ppm	0.0033 ppm	0.2838 ppm
Concentration per Run	0.0043 ppm	12.7847 ppm	0.1610 ppm	0.3594 ppm	5.8475 ppm	0.0032 ppm	0.2827 ppm
Concentration per Run	-0.0001 ppm	12.6198 ppm	0.1606 ppm	0.3648 ppm	5.8292 ppm	0.0033 ppm	0.2834 ppm
Concentration per Run	0.0004 ppm	12.4683 ppm	0.1622 ppm	0.3640 ppm	5.7761 ppm	0.0034 ppm	0.2853 ppm
Concentration RSD	152.1 %	1.3 %	0.5 %	0.8 %	0.6 %	2.2 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6686 ppm	101.1998 %	108.3630 %	83.8897 %	116.0380 %	129.4690 %	116.7916 %
Concentration per Run	1.6725 ppm	101.4516 %	107.9961 %	83.6761 %	116.0985 %	129.3062 %	116.9593 %
Concentration per Run	1.6570 ppm	101.3608 %	107.5698 %	84.2213 %	116.5740 %	128.1828 %	117.3517 %
Concentration per Run	1.6762 ppm	100.7871 %	109.5232 %	83.7718 %	115.4415 %	130.9180 %	116.0638 %
Concentration RSD	0.6 %	0.4 %	0.9 %	0.3 %	0.5 %	1.1 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2557068-34d2 WG2113572

Analysis started at: 9/11/2025 10:41:46 PM

Rack 2

Vial 36

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0019 ppm	157.0360 ppm	0.0509 ppm	0.0263 ppm	1.7876 ppm	0.0041 ppm	49.8494 ppm
Concentration per Run	0.0019 ppm	156.7607 ppm	0.0508 ppm	0.0268 ppm	1.7861 ppm	0.0040 ppm	49.6097 ppm
Concentration per Run	0.0017 ppm	156.7067 ppm	0.0509 ppm	0.0264 ppm	1.7826 ppm	0.0041 ppm	49.8320 ppm
Concentration per Run	0.0020 ppm	157.6407 ppm	0.0511 ppm	0.0257 ppm	1.7940 ppm	0.0042 ppm	50.1066 ppm
Concentration RSD	7.6 %	0.3 %	0.3 %	2.0 %	0.3 %	2.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0028 ppm	0.1299 ppm	0.5561 ppm	0.5760 ppm	264.7952 ppm	80.2729 ppm	0.2888 ppm
Concentration per Run	0.0030 ppm	0.1311 ppm	0.5542 ppm	0.5787 ppm	264.3021 ppm	80.0813 ppm	0.2894 ppm
Concentration per Run	0.0027 ppm	0.1293 ppm	0.5577 ppm	0.5742 ppm	264.3153 ppm	80.1570 ppm	0.2867 ppm
Concentration per Run	0.0027 ppm	0.1293 ppm	0.5564 ppm	0.5750 ppm	265.7683 ppm	80.5803 ppm	0.2903 ppm
Concentration RSD	6.6 %	0.8 %	0.3 %	0.4 %	0.3 %	0.3 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	101.6481 ppm	8.4859 ppm	0.0079 ppm	7.1874 ppm	0.3537 ppm	1.2939 ppm	-0.0015 ppm
Concentration per Run	101.3438 ppm	8.4530 ppm	0.0082 ppm	7.1491 ppm	0.3520 ppm	1.2965 ppm	-0.0003 ppm
Concentration per Run	101.4888 ppm	8.4781 ppm	0.0078 ppm	7.1725 ppm	0.3540 ppm	1.3029 ppm	-0.0028 ppm
Concentration per Run	102.1118 ppm	8.5267 ppm	0.0077 ppm	7.2406 ppm	0.3551 ppm	1.2824 ppm	-0.0016 ppm
Concentration RSD	0.4 %	0.4 %	3.3 %	0.7 %	0.4 %	0.8 %	74.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0008 ppm	7.9656 ppm	0.0798 ppm	0.2330 ppm	13.2820 ppm	0.0040 ppm	0.5511 ppm
Concentration per Run	-0.0040 ppm	7.9141 ppm	0.0776 ppm	0.2340 ppm	13.3337 ppm	0.0040 ppm	0.5503 ppm
Concentration per Run	-0.0009 ppm	8.0512 ppm	0.0811 ppm	0.2326 ppm	13.2063 ppm	0.0046 ppm	0.5499 ppm
Concentration per Run	0.0025 ppm	7.9316 ppm	0.0808 ppm	0.2325 ppm	13.3061 ppm	0.0032 ppm	0.5532 ppm
Concentration RSD	401.6 %	0.9 %	2.5 %	0.4 %	0.5 %	17.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.4193 ppm	102.9725 %	76.2812 %	126.4553 %	141.2569 %	127.1464 %
Concentration per Run	1.4108 ppm	102.9122 %	76.2832 %	126.4095 %	140.4603 %	127.3538 %
Concentration per Run	1.4218 ppm	102.9286 %	76.2656 %	126.0049 %	140.9819 %	127.0618 %
Concentration per Run	1.4254 ppm	103.0767 %	76.2947 %	126.9515 %	142.3285 %	127.0235 %
Concentration RSD	0.5 %	0.1 %	0.0 %	0.4 %	0.7 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/11/2025 10:48:21 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4753 ppm	0.4819 ppm	0.4687 ppm	0.4722 ppm	0.4860 ppm	0.4967 ppm	0.4856 ppm
Concentration per Run	0.4772 ppm	0.4821 ppm	0.4685 ppm	0.4741 ppm	0.4840 ppm	0.4945 ppm	0.4875 ppm
Concentration per Run	0.4746 ppm	0.4783 ppm	0.4676 ppm	0.4723 ppm	0.4842 ppm	0.4930 ppm	0.4787 ppm
Concentration per Run	0.4742 ppm	0.4855 ppm	0.4699 ppm	0.4701 ppm	0.4899 ppm	0.5026 ppm	0.4905 ppm
Recovery Percentage	95.060 %	96.388 %	93.738 %	94.434 %	97.209 %	99.341 %	97.111 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.4 %	0.7 %	1.0 %	1.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4860 ppm	0.4884 ppm	0.4873 ppm	0.4910 ppm	0.5010 ppm	5.0306 ppm	0.5173 ppm
Concentration per Run	0.4855 ppm	0.4892 ppm	0.4875 ppm	0.4926 ppm	0.5010 ppm	5.0187 ppm	0.5163 ppm
Concentration per Run	0.4889 ppm	0.4889 ppm	0.4875 ppm	0.4903 ppm	0.4960 ppm	4.9912 ppm	0.5146 ppm
Concentration per Run	0.4837 ppm	0.4868 ppm	0.4867 ppm	0.4900 ppm	0.5060 ppm	5.0820 ppm	0.5209 ppm
Recovery Percentage	97.207 %	97.679 %	97.451 %	98.192 %	100.198 %	100.612 %	103.457 %
Concentration RSD	0.5 %	0.3 %	0.1 %	0.3 %	1.0 %	0.9 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4890 ppm	0.4950 ppm	0.4767 ppm	10.1264 ppm	0.4938 ppm	0.4784 ppm	0.5008 ppm
Concentration per Run	0.4904 ppm	0.4956 ppm	0.4760 ppm	10.0558 ppm	0.4783 ppm	0.4941 ppm	0.5015 ppm
Concentration per Run	0.4903 ppm	0.4894 ppm	0.4762 ppm	10.0768 ppm	0.4945 ppm	0.4786 ppm	0.4994 ppm
Concentration per Run	0.4863 ppm	0.5000 ppm	0.4778 ppm	10.2466 ppm	0.4929 ppm	0.4784 ppm	0.5016 ppm
Recovery Percentage	97.800 %	99.002 %	95.333 %	101.264 %	98.761 %	95.682 %	100.163 %
Concentration RSD	0.5 %	1.1 %	0.2 %	1.0 %	0.2 %	0.0 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4661 ppm	5.1731 ppm	0.4894 ppm	0.4994 ppm	0.4855 ppm	0.4911 ppm	0.4935 ppm
Concentration per Run	0.4649 ppm	5.1675 ppm	0.4898 ppm	0.4980 ppm	0.4848 ppm	0.4917 ppm	0.4945 ppm
Concentration per Run	0.4659 ppm	5.1779 ppm	0.4890 ppm	0.5003 ppm	0.4860 ppm	0.4911 ppm	0.4943 ppm
Concentration per Run	0.4676 ppm	5.1739 ppm	0.4893 ppm	0.4998 ppm	0.4856 ppm	0.4905 ppm	0.4916 ppm
Recovery Percentage	93.227 %	98.535 %	97.876 %	99.873 %	97.092 %	98.218 %	98.691 %
Concentration RSD	0.3 %	0.1 %	0.1 %	0.2 %	0.1 %	0.1 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4814 ppm	102.3968 %	104.5608 %	97.4360 %	102.2177 %	104.1788 %	100.6118 %
Concentration per Run	0.4812 ppm	102.5251 %	104.6490 %	97.8740 %	102.4846 %	104.4063 %	101.0843 %
Concentration per Run	0.4829 ppm	101.8160 %	105.4776 %	97.0746 %	101.6403 %	104.6459 %	100.4424 %
Concentration per Run	0.4802 ppm	102.8494 %	103.5857 %	97.3595 %	102.5281 %	103.4841 %	100.3087 %
Recovery Percentage	96.284 %						
Concentration RSD	0.3 %	0.5 %	0.9 %	0.4 %	0.5 %	0.6 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 10:51:54 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0063 ppm
Concentration per Run	-0.0001 ppm	-0.0016 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0065 ppm
Concentration per Run	-0.0004 ppm	0.0003 ppm	-0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0061 ppm
Concentration per Run	-0.0003 ppm	0.0014 ppm	-0.0004 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0064 ppm
Recovery Percentage	-5.041 %	0.024 %	1.002 %	-0.109 %	1.379 %	1.385 %	6.330 %
Concentration RSD	57.6 %	6.544.3 %	1.042.0 %	1.064.9 %	26.1 %	4.1 %	3.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0062 ppm	0.0227 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0002 ppm	-0.0001 ppm	0.0058 ppm	0.0323 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0065 ppm	0.0183 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0061 ppm	0.0061 ppm	0.0174 ppm	-0.0005 ppm
Recovery Percentage	2.842 %	1.086 %	2.263 %	-0.209 %	12.331 %	0.906 %	-1.067 %
Concentration RSD	64.0 %	244.3 %	72.7 %	697.1 %	5.4 %	36.9 %	479.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0007 ppm	0.0002 ppm	0.0002 ppm	0.0036 ppm	0.0002 ppm	0.0005 ppm	0.0015 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0040 ppm	0.0001 ppm	0.0008 ppm	0.0018 ppm
Concentration per Run	0.0004 ppm	0.0002 ppm	0.0003 ppm	0.0033 ppm	-0.0001 ppm	-0.0003 ppm	0.0016 ppm
Concentration per Run	0.0018 ppm	0.0002 ppm	0.0034 ppm	0.0115 ppm	0.0005 ppm	0.0010 ppm	0.0003 ppm
Recovery Percentage	0.748 %	1.650 %	7.160 %	0.532 %	0.681 %	5.007 %	2.909 %
Concentration RSD	120.2 %	66.1 %	10.8 %	13.1 %	199.5 %	137.3 %	34.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	0.0005 ppm	0.0009 ppm	0.0001 ppm	0.0010 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	0.0023 ppm	0.0013 ppm	0.0014 ppm	0.0001 ppm	0.0011 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run	0.0045 ppm	0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	0.0023 ppm	0.0003 ppm	0.0012 ppm	0.0001 ppm	0.0010 ppm	0.0004 ppm	0.0001 ppm
Recovery Percentage	30.238 %	0.107 %	1.879 %	0.937 %	9.960 %	0.791 %	0.918 %
Concentration RSD	41.2 %	122.3 %	59.1 %	13.9 %	6.9 %	195.9 %	52.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	101.7028 %	102.4195 %	100.0348 %	103.4071 %	103.4278 %	101.7165 %
Concentration per Run	0.0003 ppm	101.2636 %	101.7237 %	100.3792 %	103.0937 %	102.3585 %	101.7428 %
Concentration per Run	0.0003 ppm	102.0118 %	102.7263 %	99.9048 %	103.7390 %	103.7713 %	101.7223 %
Concentration per Run	0.0002 ppm	101.8330 %	102.8084 %	99.8204 %	103.3887 %	104.1535 %	101.6843 %
Recovery Percentage	5.761 %	0.4 %	0.6 %	0.3 %	0.3 %	0.9 %	0.0 %
Concentration RSD	34.6 %						

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111592-1 WG2111592
Analysis started at: 9/11/2025 11:00:11 PM
Rack 2
Vial 37
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0137 ppm	0.0000 ppm	-0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0229 ppm
Concentration per Run	-0.0001 ppm	0.0145 ppm	0.0013 ppm	-0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0227 ppm
Concentration per Run	-0.0005 ppm	0.0137 ppm	-0.0007 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0226 ppm
Concentration per Run	-0.0003 ppm	0.0129 ppm	-0.0008 ppm	-0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0235 ppm
Recovery Percentage	-6.005 %	13.693 %	-0.676 %	-2.003 %	1.606 %	0.756 %	22.916 %
Concentration RSD	72.6 %	6.1 %	3.518.0 %	144.7 %	7.4 %	41.2 %	2.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0417 ppm	0.0219 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0007 ppm	-0.0001 ppm	0.0427 ppm	0.0184 ppm	-0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0006 ppm	-0.0001 ppm	0.0426 ppm	0.0239 ppm	-0.0003 ppm
Concentration per Run	-0.0003 ppm	-0.0003 ppm	0.0008 ppm	0.0003 ppm	0.0398 ppm	0.0233 ppm	0.0004 ppm
Recovery Percentage	-0.233 %	-1.460 %	6.660 %	0.455 %	83.443 %	0.875 %	-0.368 %
Concentration RSD	502.6 %	131.2 %	15.8 %	438.1 %	3.9 %	13.6 %	1,113.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0071 ppm	0.0006 ppm	0.0007 ppm	0.0283 ppm	0.0000 ppm	0.0008 ppm	-0.0005 ppm
Concentration per Run	0.0083 ppm	0.0007 ppm	-0.0001 ppm	0.0283 ppm	0.0000 ppm	0.0007 ppm	-0.0005 ppm
Concentration per Run	0.0069 ppm	0.0006 ppm	0.0001 ppm	0.0269 ppm	-0.0001 ppm	0.0013 ppm	-0.0010 ppm
Concentration per Run	0.0061 ppm	0.0006 ppm	-0.0001 ppm	0.0298 ppm	0.0002 ppm	0.0006 ppm	-0.0002 ppm
Recovery Percentage	7.101 %	6.429 %	-0.115 %	1.415 %	0.032 %	8.429 %	-1.169 %
Concentration RSD	16.1 %	7.7 %	196.6 %	5.1 %	2.084.0 %	42.5 %	72.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	0.0200 ppm	0.0137 ppm	0.0001 ppm	0.0009 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0008 ppm	0.0200 ppm	0.0134 ppm	0.0001 ppm	0.0012 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0003 ppm	0.0196 ppm	0.0146 ppm	0.0001 ppm	0.0007 ppm	-0.0018 ppm	0.0001 ppm
Concentration per Run	0.0002 ppm	0.0204 ppm	0.0131 ppm	0.0002 ppm	0.0008 ppm	-0.0009 ppm	-0.0001 ppm
Recovery Percentage	4.346 %	4.001 %	27.404 %	0.997 %	9.037 %	-4.047 %	-0.642 %
Concentration RSD	74.5 %	2.2 %	5.7 %	49.6 %	28.4 %	135.7 %	214.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0013 ppm	104.1524 %	105.2713 %	98.5696 %	105.0461 %	105.4326 %	102.4436 %
Concentration per Run	0.0013 ppm	104.1511 %	105.3928 %	98.3738 %	104.9668 %	105.2328 %	102.3401 %
Concentration per Run	0.0014 ppm	103.9638 %	105.5236 %	98.5235 %	104.9574 %	105.1733 %	102.3145 %
Concentration per Run	0.0014 ppm	104.3424 %	104.8974 %	98.8116 %	105.1841 %	105.8916 %	102.6761 %
Recovery Percentage	26.589 %						
Concentration RSD	4.2 %	0.2 %	0.3 %	0.2 %	0.1 %	0.4 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111592-2d2 WG2111592

Analysis started at: 9/11/2025 11:03:45 PM

Rack 2

Vial 38

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0481 ppm	2.0337 ppm	0.1180 ppm	0.9834 ppm	1.9832 ppm	0.0507 ppm	10.0047 ppm
Concentration per Run	0.0482 ppm	2.0483 ppm	0.1180 ppm	0.9732 ppm	1.9908 ppm	0.0512 ppm	10.1006 ppm
Concentration per Run	0.0483 ppm	2.0387 ppm	0.1181 ppm	0.9854 ppm	1.9941 ppm	0.0509 ppm	9.9984 ppm
Concentration per Run	0.0479 ppm	2.0141 ppm	0.1180 ppm	0.9917 ppm	1.9646 ppm	0.0501 ppm	9.9152 ppm
Concentration RSD	0.4 %	0.9 %	0.0 %	1.0 %	0.8 %	1.1 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0515 ppm	0.4869 ppm	0.1966 ppm	0.2498 ppm	1.0075 ppm	10.3961 ppm	0.0005 ppm
Concentration per Run	0.0515 ppm	0.4835 ppm	0.1973 ppm	0.2484 ppm	1.0156 ppm	10.4623 ppm	0.0011 ppm
Concentration per Run	0.0517 ppm	0.4899 ppm	0.1970 ppm	0.2503 ppm	1.0118 ppm	10.4753 ppm	0.0002 ppm
Concentration per Run	0.0513 ppm	0.4873 ppm	0.1955 ppm	0.2508 ppm	0.9951 ppm	10.2507 ppm	0.0002 ppm
Concentration RSD	0.5 %	0.7 %	0.5 %	0.5 %	1.1 %	1.2 %	109.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.0067 ppm	0.4972 ppm	1.0071 ppm	10.6605 ppm	0.4978 ppm	0.5253 ppm	0.5101 ppm
Concentration per Run	9.9520 ppm	0.5025 ppm	1.0029 ppm	10.7071 ppm	0.4989 ppm	0.5255 ppm	0.5110 ppm
Concentration per Run	10.1404 ppm	0.4979 ppm	1.0094 ppm	10.6806 ppm	0.4988 ppm	0.5251 ppm	0.5129 ppm
Concentration per Run	9.9278 ppm	0.4912 ppm	1.0089 ppm	10.5940 ppm	0.4958 ppm	0.5254 ppm	0.5064 ppm
Concentration RSD	1.2 %	1.1 %	0.4 %	0.6 %	0.4 %	0.0 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1232 ppm	0.8804 ppm	0.9915 ppm	1.0099 ppm	1.0023 ppm	0.1209 ppm	0.5082 ppm
Concentration per Run	0.1243 ppm	0.8797 ppm	0.9882 ppm	1.0124 ppm	1.0029 ppm	0.1219 ppm	0.5075 ppm
Concentration per Run	0.1231 ppm	0.8770 ppm	0.9954 ppm	1.0141 ppm	1.0061 ppm	0.1205 ppm	0.5093 ppm
Concentration per Run	0.1221 ppm	0.8846 ppm	0.9910 ppm	1.0033 ppm	0.9980 ppm	0.1204 ppm	0.5079 ppm
Concentration RSD	0.9 %	0.4 %	0.4 %	0.6 %	0.4 %	0.7 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4849 ppm	101.2531 %	104.7725 %	93.4568 %	101.1993 %	103.4616 %	98.5522 %
Concentration per Run	0.4834 ppm	101.8492 %	103.3528 %	93.1721 %	101.6480 %	103.3505 %	98.3960 %
Concentration per Run	0.4889 ppm	100.7494 %	104.6166 %	93.5607 %	100.7512 %	102.8591 %	98.6725 %
Concentration per Run	0.4824 ppm	101.1607 %	106.3482 %	93.6375 %	101.1988 %	104.1752 %	98.5881 %
Concentration RSD	0.7 %	0.5 %	1.4 %	0.3 %	0.4 %	0.6 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554320-01d2 WG2111592

Analysis started at: 9/11/2025 11:07:12 PM

Rack 2

Vial 44

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0030 ppm	56.3874 ppm	0.0639 ppm	0.0554 ppm	1.0346 ppm	0.0036 ppm	277.6262 ppm
Concentration per Run	0.0029 ppm	56.4424 ppm	0.0641 ppm	0.0553 ppm	1.0361 ppm	0.0035 ppm	277.1553 ppm
Concentration per Run	0.0030 ppm	56.3500 ppm	0.0645 ppm	0.0557 ppm	1.0286 ppm	0.0035 ppm	278.2496 ppm
Concentration per Run	0.0030 ppm	56.3699 ppm	0.0633 ppm	0.0552 ppm	1.0391 ppm	0.0036 ppm	277.4739 ppm
Concentration RSD	2.5 %	0.1 %	0.9 %	0.5 %	0.5 %	0.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0044 ppm	0.0522 ppm	0.0902 ppm	0.2874 ppm	126.1291 ppm	9.4293 ppm	0.1346 ppm
Concentration per Run	0.0044 ppm	0.0526 ppm	0.0903 ppm	0.2874 ppm	125.9409 ppm	9.4149 ppm	0.1353 ppm
Concentration per Run	0.0044 ppm	0.0521 ppm	0.0899 ppm	0.2881 ppm	126.0101 ppm	9.3835 ppm	0.1347 ppm
Concentration per Run	0.0045 ppm	0.0518 ppm	0.0903 ppm	0.2869 ppm	126.4362 ppm	9.4894 ppm	0.1338 ppm
Concentration RSD	1.8 %	0.7 %	0.3 %	0.2 %	0.2 %	0.6 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	112.3848 ppm	4.2466 ppm	0.0115 ppm	0.6290 ppm	0.1084 ppm	1.5231 ppm	0.0067 ppm
Concentration per Run	112.7958 ppm	4.2435 ppm	0.0116 ppm	0.6267 ppm	0.1090 ppm	1.5228 ppm	0.0076 ppm
Concentration per Run	112.1313 ppm	4.2480 ppm	0.0117 ppm	0.6304 ppm	0.1082 ppm	1.5220 ppm	0.0073 ppm
Concentration per Run	112.2273 ppm	4.2502 ppm	0.0111 ppm	0.6299 ppm	0.1080 ppm	1.5245 ppm	0.0052 ppm
Concentration RSD	0.3 %	0.1 %	2.8 %	0.3 %	0.5 %	0.1 %	19.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0114 ppm	6.4129 ppm	0.1310 ppm	0.3876 ppm	0.6215 ppm	-0.0022 ppm	0.1202 ppm
Concentration per Run	0.0109 ppm	6.4351 ppm	0.1311 ppm	0.3871 ppm	0.6228 ppm	-0.0022 ppm	0.1207 ppm
Concentration per Run	0.0122 ppm	6.4070 ppm	0.1307 ppm	0.3863 ppm	0.6221 ppm	-0.0019 ppm	0.1200 ppm
Concentration per Run	0.0111 ppm	6.3966 ppm	0.1312 ppm	0.3895 ppm	0.6196 ppm	-0.0025 ppm	0.1199 ppm
Concentration RSD	6.1 %	0.3 %	0.2 %	0.4 %	0.3 %	13.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.2438 ppm	95.5262 %	104.6371 %	82.8804 %	119.6024 %	132.1727 %	118.7612 %
Concentration per Run	2.2466 ppm	95.6742 %	105.2386 %	83.2393 %	120.1898 %	132.5688 %	118.9741 %
Concentration per Run	2.2455 ppm	95.2813 %	104.2488 %	83.0254 %	119.1002 %	131.6929 %	118.9751 %
Concentration per Run	2.2393 ppm	95.6231 %	104.4239 %	82.3764 %	119.5172 %	132.2563 %	118.3343 %
Concentration RSD	0.2 %	0.2 %	0.5 %	0.5 %	0.5 %	0.3 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554320-02d2 WG2111592

Analysis started at: 9/11/2025 11:10:38 PM

Rack 2

Vial 45

Comment: <Comment>

	Ag 328.068 Axial-IFR	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	0.0027 ppm	63.2916 ppm	0.0560 ppm	0.0712 ppm	2.0371 ppm	0.0045 ppm	230.2999 ppm
Concentration per Run	0.0027 ppm	63.2899 ppm	0.0557 ppm	0.0731 ppm	2.0369 ppm	0.0045 ppm	232.3371 ppm
Concentration per Run	0.0027 ppm	63.2715 ppm	0.0561 ppm	0.0699 ppm	2.0342 ppm	0.0044 ppm	229.8036 ppm
Concentration per Run	0.0027 ppm	63.3136 ppm	0.0561 ppm	0.0705 ppm	2.0402 ppm	0.0044 ppm	228.7590 ppm
Concentration RSD	0.4 %	0.0 %	0.4 %	2.4 %	0.1 %	0.5 %	0.8 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0049 ppm	0.0579 ppm	0.0579 ppm	0.5080 ppm	148.1887 ppm	9.4879 ppm	0.1357 ppm
Concentration per Run	0.0048 ppm	0.0585 ppm	0.1122 ppm	0.5089 ppm	148.9925 ppm	9.5122 ppm	0.1360 ppm
Concentration per Run	0.0050 ppm	0.0574 ppm	0.1119 ppm	0.5082 ppm	148.0442 ppm	9.4502 ppm	0.1341 ppm
Concentration per Run	0.0049 ppm	0.0578 ppm	0.1127 ppm	0.5068 ppm	147.5294 ppm	9.5012 ppm	0.1352 ppm
Concentration RSD	1.4 %	1.0 %	0.4 %	0.2 %	0.5 %	0.3 %	0.7 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	83.3301 ppm	4.5514 ppm	0.0075 ppm	0.5427 ppm	0.1205 ppm	3.2480 ppm	0.0054 ppm
Concentration per Run	83.5829 ppm	4.5714 ppm	0.0078 ppm	0.5439 ppm	0.1204 ppm	3.2403 ppm	0.0052 ppm
Concentration per Run	83.0205 ppm	4.5521 ppm	0.0076 ppm	0.5386 ppm	0.1200 ppm	3.2550 ppm	0.0043 ppm
Concentration per Run	83.3871 ppm	4.5307 ppm	0.0072 ppm	0.5458 ppm	0.1213 ppm	3.2489 ppm	0.0066 ppm
Concentration RSD	0.3 %	0.4 %	4.2 %	0.7 %	0.6 %	0.2 %	21.4 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0028 ppm	4.6327 ppm	0.0464 ppm	0.5683 ppm	0.6599 ppm	-0.0024 ppm	0.1325 ppm
Concentration per Run	0.0041 ppm	4.6482 ppm	0.0451 ppm	0.5695 ppm	0.6593 ppm	-0.0032 ppm	0.1327 ppm
Concentration per Run	-0.0001 ppm	4.6261 ppm	0.0463 ppm	0.5688 ppm	0.6570 ppm	-0.0020 ppm	0.1328 ppm
Concentration per Run	0.0043 ppm	4.6236 ppm	0.0477 ppm	0.5665 ppm	0.6634 ppm	-0.0019 ppm	0.1321 ppm
Concentration RSD	90.5 %	0.3 %	2.8 %	0.3 %	0.5 %	29.8 %	0.3 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	2.6941 ppm	96.5519 %	105.7407 %	83.6732 %	120.6817 %	133.4908 %	120.1650 %
Concentration per Run	2.7108 ppm	96.5925 %	104.7605 %	83.6668 %	121.0732 %	133.3775 %	119.9750 %
Concentration per Run	2.6752 ppm	96.3099 %	106.0424 %	83.7596 %	120.2712 %	133.8292 %	120.2032 %
Concentration per Run	2.6963 ppm	96.7535 %	106.4192 %	83.5932 %	120.7007 %	133.2656 %	120.3168 %
Concentration RSD	0.7 %	0.2 %	0.8 %	0.1 %	0.3 %	0.2 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: eL2554320-03d2 WG2111592

Analysis started at: 9/11/2025 11:14:05 PM

Rack 2

Vial 46

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	Ba 455.403 Radial-IFR)	B 208.959 Axial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	50.6952 ppm	0.0457 ppm	0.0608 ppm	1.6157 ppm	0.0028 ppm	1,285.4030 [SIC-1000]
Concentration per Run	0.0002 ppm	50.4049 ppm	0.0440 ppm	0.0612 ppm	1.6048 ppm	0.0028 ppm	1,280.5701 ppm
Concentration per Run	0.0002 ppm	51.0558 ppm	0.0469 ppm	0.0609 ppm	1.6235 ppm	0.0027 ppm	1,292.7691 ppm
Concentration per Run	0.0004 ppm	50.6248 ppm	0.0463 ppm	0.0603 ppm	1.6187 ppm	0.0028 ppm	1,282.8697 ppm
Concentration RSD	42.2 %	0.7 %	3.3 %	0.7 %	0.6 %	1.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0124 ppm	0.0626 ppm	0.0853 ppm	0.2492 ppm	135.1631 ppm	8.4687 ppm	0.1629 ppm
Concentration per Run	-0.0124 ppm	0.0631 ppm	0.0855 ppm	0.2490 ppm	134.5841 ppm	8.4175 ppm	0.1537 ppm
Concentration per Run	-0.0124 ppm	0.0623 ppm	0.0852 ppm	0.2501 ppm	136.1368 ppm	8.5260 ppm	0.1697 ppm
Concentration per Run	-0.0124 ppm	0.0624 ppm	0.0852 ppm	0.2485 ppm	134.7684 ppm	8.4628 ppm	0.1652 ppm
Concentration RSD	0.3 %	0.7 %	0.2 %	0.3 %	0.6 %	0.6 %	5.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	488.8491 ppm	8.8459 ppm	0.0049 ppm	1.5847 ppm	0.1195 ppm	1.1602 ppm	0.0020 ppm
Concentration per Run	490.5238 ppm	8.8071 ppm	0.0045 ppm	1.5702 ppm	0.1193 ppm	1.1683 ppm	0.0006 ppm
Concentration per Run	489.3761 ppm	8.9001 ppm	0.0047 ppm	1.5951 ppm	0.1206 ppm	1.1569 ppm	-0.0001 ppm
Concentration per Run	486.6474 ppm	8.8305 ppm	0.0054 ppm	1.5888 ppm	0.1187 ppm	1.1554 ppm	0.0056 ppm
Concentration RSD	0.4 %	0.5 %	9.7 %	0.8 %	0.8 %	0.6 %	153.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0025 ppm	7.4858 ppm	0.0164 ppm	1.5910 ppm	0.5517 ppm	-0.0074 ppm	0.1226 ppm
Concentration per Run	-0.0025 ppm	7.4913 ppm	0.0165 ppm	1.5906 ppm	0.5518 ppm	-0.0071 ppm	0.1231 ppm
Concentration per Run	-0.0014 ppm	7.4955 ppm	0.0157 ppm	1.5940 ppm	0.5502 ppm	-0.0070 ppm	0.1224 ppm
Concentration per Run	-0.0037 ppm	7.4705 ppm	0.0170 ppm	1.5885 ppm	0.5530 ppm	-0.0080 ppm	0.1223 ppm
Concentration RSD	46.6 %	0.2 %	3.8 %	0.2 %	0.3 %	7.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.1339 ppm	86.1567 %	98.1248 %	70.7549 %	115.9201 %	133.1633 %	113.3975 %
Concentration per Run	1.1418 ppm	86.0832 %	98.4176 %	70.4819 %	116.1471 %	132.8768 %	113.7737 %
Concentration per Run	1.1349 ppm	86.1806 %	97.6673 %	70.5793 %	115.7193 %	133.1685 %	112.6640 %
Concentration per Run	1.1250 ppm	86.2064 %	98.2893 %	71.2035 %	115.8937 %	133.4446 %	113.7548 %
Concentration RSD	0.7 %	0.1 %	0.4 %	0.6 %	0.2 %	0.2 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555899-06d2 WG2111592

Analysis started at: 9/11/2025 11:17:32 PM

Rack 2

Vial 39

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0013 ppm	30.2484 ppm	0.0520 ppm	0.0267 ppm	0.1033 ppm	0.0016 ppm	12.1936 ppm
Concentration per Run	0.0015 ppm	30.1260 ppm	0.0524 ppm	0.0273 ppm	0.1024 ppm	0.0016 ppm	12.1859 ppm
Concentration per Run	0.0012 ppm	30.3380 ppm	0.0508 ppm	0.0267 ppm	0.1036 ppm	0.0016 ppm	12.1307 ppm
Concentration per Run	0.0011 ppm	30.2813 ppm	0.0528 ppm	0.0261 ppm	0.1041 ppm	0.0017 ppm	12.2642 ppm
Concentration RSD	15.6 %	0.4 %	2.0 %	2.3 %	0.8 %	1.6 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.0064 ppm	0.1850 ppm	0.0844 ppm	157.7675 ppm	2.9130 ppm	0.0189 ppm
Concentration per Run	0.0010 ppm	0.0070 ppm	0.1860 ppm	0.0843 ppm	156.7088 ppm	2.9031 ppm	0.0193 ppm
Concentration per Run	0.0008 ppm	0.0062 ppm	0.1846 ppm	0.0850 ppm	157.7005 ppm	2.9101 ppm	0.0188 ppm
Concentration per Run	0.0010 ppm	0.0062 ppm	0.1844 ppm	0.0838 ppm	158.8930 ppm	2.9258 ppm	0.0185 ppm
Concentration RSD	11.5 %	6.9 %	0.5 %	0.7 %	0.7 %	0.4 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.4787 ppm	0.2841 ppm	0.0062 ppm	0.2213 ppm	0.0580 ppm	0.1657 ppm	0.0023 ppm
Concentration per Run	3.4983 ppm	0.2831 ppm	0.0062 ppm	0.2208 ppm	0.0591 ppm	0.1650 ppm	0.0052 ppm
Concentration per Run	3.4588 ppm	0.2836 ppm	0.0063 ppm	0.2207 ppm	0.0573 ppm	0.1654 ppm	0.0005 ppm
Concentration per Run	3.4789 ppm	0.2856 ppm	0.0060 ppm	0.2225 ppm	0.0577 ppm	0.1668 ppm	0.0010 ppm
Concentration RSD	0.6 %	0.5 %	2.4 %	0.5 %	1.6 %	0.6 %	113.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0023 ppm	4.3679 ppm	0.0117 ppm	0.0758 ppm	0.5887 ppm	0.0009 ppm	0.2316 ppm
Concentration per Run	0.0022 ppm	4.3688 ppm	0.0124 ppm	0.0749 ppm	0.5883 ppm	0.0005 ppm	0.2316 ppm
Concentration per Run	0.0023 ppm	4.3709 ppm	0.0109 ppm	0.0762 ppm	0.5879 ppm	0.0008 ppm	0.2314 ppm
Concentration per Run	0.0024 ppm	4.3640 ppm	0.0120 ppm	0.0764 ppm	0.5899 ppm	0.0014 ppm	0.2317 ppm
Concentration RSD	5.3 %	0.1 %	6.8 %	1.1 %	0.2 %	55.6 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1610 ppm	102.6353 %	107.3745 %	92.9981 %	105.7333 %	110.9560 %	104.6924 %
Concentration per Run	0.1623 ppm	102.6707 %	108.1046 %	93.3192 %	105.4932 %	110.8687 %	105.2328 %
Concentration per Run	0.1602 ppm	102.7893 %	108.1388 %	92.8086 %	105.9550 %	112.1327 %	104.4035 %
Concentration per Run	0.1603 ppm	102.4458 %	105.8801 %	92.8666 %	105.7517 %	109.8667 %	104.4410 %
Concentration RSD	0.7 %	0.2 %	1.2 %	0.3 %	0.2 %	1.0 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111592-3d2 WG2111592
Analysis started at: 9/11/2025 11:20:58 PM
Rack 2
Vial 40
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0478 ppm	29.4300 ppm	0.1583 ppm	0.8813 ppm	1.9663 ppm	0.0491 ppm	15.3013 ppm
Concentration per Run	0.0481 ppm	29.4311 ppm	0.1580 ppm	0.8849 ppm	1.9502 ppm	0.0487 ppm	15.1801 ppm
Concentration per Run	0.0476 ppm	29.4064 ppm	0.1584 ppm	0.8789 ppm	1.9531 ppm	0.0490 ppm	15.2981 ppm
Concentration per Run	0.0477 ppm	29.4525 ppm	0.1587 ppm	0.8801 ppm	1.9956 ppm	0.0495 ppm	15.4255 ppm
Concentration RSD	0.6 %	0.1 %	0.2 %	0.4 %	1.3 %	0.8 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0492 ppm	0.4608 ppm	0.3045 ppm	0.2988 ppm	114.7096 ppm	12.2222 ppm	0.0225 ppm
Concentration per Run	0.0495 ppm	0.4640 ppm	0.3056 ppm	0.3002 ppm	113.7763 ppm	12.1443 ppm	0.0225 ppm
Concentration per Run	0.0493 ppm	0.4601 ppm	0.3046 ppm	0.2977 ppm	114.6977 ppm	12.1283 ppm	0.0226 ppm
Concentration per Run	0.0488 ppm	0.4582 ppm	0.3033 ppm	0.2985 ppm	115.6547 ppm	12.3941 ppm	0.0227 ppm
Concentration RSD	0.7 %	0.6 %	0.4 %	0.4 %	0.8 %	1.2 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.0455 ppm	0.6731 ppm	0.9216 ppm	10.6143 ppm	0.5057 ppm	0.6198 ppm	0.2403 ppm
Concentration per Run	12.1633 ppm	0.6698 ppm	0.9263 ppm	10.5516 ppm	0.5084 ppm	0.6192 ppm	0.2409 ppm
Concentration per Run	11.9906 ppm	0.6740 ppm	0.9186 ppm	10.5914 ppm	0.5044 ppm	0.6226 ppm	0.2392 ppm
Concentration per Run	11.9825 ppm	0.6756 ppm	0.9199 ppm	10.6999 ppm	0.5043 ppm	0.6177 ppm	0.2407 ppm
Concentration RSD	0.8 %	0.4 %	0.4 %	0.7 %	0.5 %	0.4 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1072 ppm	6.0056 ppm	0.8684 ppm	1.0149 ppm	1.1817 ppm	0.1138 ppm	0.6425 ppm
Concentration per Run	0.1060 ppm	6.0389 ppm	0.8745 ppm	1.0079 ppm	1.1817 ppm	0.1109 ppm	0.6439 ppm
Concentration per Run	0.1072 ppm	6.0024 ppm	0.8658 ppm	1.0108 ppm	1.1834 ppm	0.1154 ppm	0.6412 ppm
Concentration per Run	0.1083 ppm	5.9757 ppm	0.8649 ppm	1.0259 ppm	1.1800 ppm	0.1149 ppm	0.6423 ppm
Concentration RSD	1.0 %	0.5 %	0.6 %	1.0 %	0.1 %	2.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5588 ppm	100.3984 %	105.3145 %	90.1740 %	102.6932 %	107.6584 %	101.3858 %
Concentration per Run	0.5623 ppm	100.0483 %	105.9321 %	90.0541 %	102.6716 %	107.4078 %	101.1871 %
Concentration per Run	0.5570 ppm	100.5201 %	105.0117 %	89.6960 %	102.7415 %	107.7600 %	101.2374 %
Concentration per Run	0.5571 ppm	100.6269 %	104.9998 %	90.7720 %	102.6666 %	107.8073 %	101.7329 %
Concentration RSD	0.5 %	0.3 %	0.5 %	0.6 %	0.0 %	0.2 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111592-4d2 WG2111592

Analysis started at: 9/11/2025 11:24:25 PM

Rack 2

Vial 41

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0008 ppm	29.7775 ppm	0.0445 ppm	0.0173 ppm	0.0917 ppm	0.0014 ppm	7.6650 ppm
Concentration per Run	0.0006 ppm	29.7361 ppm	0.0455 ppm	0.0186 ppm	0.0913 ppm	0.0014 ppm	7.6657 ppm
Concentration per Run	0.0007 ppm	29.8485 ppm	0.0450 ppm	0.0173 ppm	0.0915 ppm	0.0014 ppm	7.6799 ppm
Concentration per Run	0.0012 ppm	29.7477 ppm	0.0430 ppm	0.0160 ppm	0.0923 ppm	0.0014 ppm	7.6493 ppm
Concentration RSD	37.4 %	0.2 %	2.9 %	7.6 %	0.6 %	0.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0058 ppm	0.1916 ppm	0.0742 ppm	149.3823 ppm	2.5969 ppm	0.0174 ppm
Concentration per Run	0.0007 ppm	0.0059 ppm	0.1930 ppm	0.0737 ppm	148.7859 ppm	2.6088 ppm	0.0186 ppm
Concentration per Run	0.0008 ppm	0.0058 ppm	0.1908 ppm	0.0746 ppm	149.4376 ppm	2.5783 ppm	0.0165 ppm
Concentration per Run	0.0008 ppm	0.0058 ppm	0.1911 ppm	0.0743 ppm	149.9232 ppm	2.6035 ppm	0.0170 ppm
Concentration RSD	7.3 %	1.1 %	0.6 %	0.6 %	0.4 %	0.6 %	6.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.8183 ppm	0.2399 ppm	0.0142 ppm	0.2764 ppm	0.0690 ppm	0.1244 ppm	0.0024 ppm
Concentration per Run	2.8417 ppm	0.2394 ppm	0.0143 ppm	0.2787 ppm	0.0696 ppm	0.1244 ppm	0.0011 ppm
Concentration per Run	2.8029 ppm	0.2400 ppm	0.0140 ppm	0.2757 ppm	0.0688 ppm	0.1238 ppm	0.0003 ppm
Concentration per Run	2.8104 ppm	0.2403 ppm	0.0143 ppm	0.2747 ppm	0.0686 ppm	0.1251 ppm	0.0057 ppm
Concentration RSD	0.7 %	0.2 %	1.2 %	0.8 %	0.8 %	0.5 %	121.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	6.0618 ppm	0.0093 ppm	0.0586 ppm	0.5366 ppm	0.0014 ppm	0.2062 ppm
Concentration per Run	0.0023 ppm	6.1158 ppm	0.0097 ppm	0.0586 ppm	0.5351 ppm	0.0013 ppm	0.2076 ppm
Concentration per Run	0.0031 ppm	6.0540 ppm	0.0090 ppm	0.0583 ppm	0.5386 ppm	0.0018 ppm	0.2060 ppm
Concentration per Run	0.0027 ppm	6.0157 ppm	0.0092 ppm	0.0590 ppm	0.5361 ppm	0.0013 ppm	0.2050 ppm
Concentration RSD	15.0 %	0.8 %	4.2 %	0.6 %	0.3 %	22.4 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1256 ppm	102.1552 %	93.0610 %	105.2878 %	110.3488 %	104.1320 %
Concentration per Run	0.1268 ppm	101.8303 %	93.1032 %	104.8375 %	110.8847 %	104.3647 %
Concentration per Run	0.1249 ppm	102.6878 %	92.9731 %	106.0558 %	110.1614 %	104.0566 %
Concentration per Run	0.1252 ppm	101.9475 %	93.1067 %	104.9700 %	110.0002 %	103.9746 %
Concentration RSD	0.8 %	0.5 %	0.1 %	0.6 %	0.4 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111592-5d2 WG2111592

Analysis started at: 9/11/2025 11:27:52 PM

Rack 2

Vial 42

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0451 ppm	31.6804 ppm	0.1552 ppm	0.9056 ppm	1.8925 ppm	0.0472 ppm	20.7993 ppm
Concentration per Run	0.0454 ppm	31.5418 ppm	0.1555 ppm	0.9053 ppm	1.8886 ppm	0.0473 ppm	20.8215 ppm
Concentration per Run	0.0453 ppm	31.7620 ppm	0.1553 ppm	0.9096 ppm	1.8948 ppm	0.0473 ppm	20.9068 ppm
Concentration per Run	0.0447 ppm	31.7376 ppm	0.1547 ppm	0.9017 ppm	1.8939 ppm	0.0471 ppm	20.6695 ppm
Concentration RSD	0.8 %	0.4 %	0.3 %	0.4 %	0.2 %	0.2 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0468 ppm	0.4403 ppm	0.3590 ppm	0.3126 ppm	155.2098 ppm	12.2602 ppm	0.0181 ppm
Concentration per Run	0.0468 ppm	0.4404 ppm	0.3603 ppm	0.3126 ppm	155.2745 ppm	12.2257 ppm	0.0189 ppm
Concentration per Run	0.0471 ppm	0.4416 ppm	0.3591 ppm	0.3131 ppm	155.4865 ppm	12.2988 ppm	0.0177 ppm
Concentration per Run	0.0467 ppm	0.4389 ppm	0.3576 ppm	0.3122 ppm	154.8683 ppm	12.2561 ppm	0.0177 ppm
Concentration RSD	0.4 %	0.3 %	0.4 %	0.1 %	0.2 %	0.3 %	4.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.1725 ppm	0.7221 ppm	0.9078 ppm	9.8650 ppm	0.4971 ppm	0.6442 ppm	0.4542 ppm
Concentration per Run	12.1740 ppm	0.7235 ppm	0.9044 ppm	9.8291 ppm	0.4990 ppm	0.6471 ppm	0.4512 ppm
Concentration per Run	12.1498 ppm	0.7234 ppm	0.9117 ppm	9.9082 ppm	0.4988 ppm	0.6432 ppm	0.4544 ppm
Concentration per Run	12.1936 ppm	0.7195 ppm	0.9071 ppm	9.8577 ppm	0.4934 ppm	0.6423 ppm	0.4571 ppm
Concentration RSD	0.2 %	0.3 %	0.4 %	0.4 %	0.6 %	0.4 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1149 ppm	5.9038 ppm	0.8877 ppm	0.9871 ppm	1.4708 ppm	0.1092 ppm	0.6877 ppm
Concentration per Run	0.1156 ppm	5.8885 ppm	0.8898 ppm	0.9900 ppm	1.4758 ppm	0.1083 ppm	0.6876 ppm
Concentration per Run	0.1162 ppm	5.9103 ppm	0.8890 ppm	0.9861 ppm	1.4747 ppm	0.1096 ppm	0.6864 ppm
Concentration per Run	0.1128 ppm	5.9126 ppm	0.8842 ppm	0.9851 ppm	1.4619 ppm	0.1097 ppm	0.6889 ppm
Concentration RSD	1.6 %	0.2 %	0.3 %	0.3 %	0.5 %	0.7 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5892 ppm	100.4655 %	105.7081 %	89.4594 %	103.2419 %	108.6304 %	102.1117 %
Concentration per Run	0.5944 ppm	100.2615 %	106.0595 %	89.3548 %	102.6909 %	110.4269 %	101.9544 %
Concentration per Run	0.5903 ppm	100.5318 %	104.5070 %	89.2169 %	103.6289 %	107.0509 %	101.6731 %
Concentration per Run	0.5829 ppm	100.6031 %	106.5579 %	89.8065 %	103.4059 %	108.4135 %	102.7076 %
Concentration RSD	1.0 %	0.2 %	1.0 %	0.3 %	0.5 %	1.6 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: WG2111592-6d10.WG2111592

Analysis started at: 9/11/2025 11:31:18 PM

Rack 2

Vial 43

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	6.2117 ppm	0.0110 ppm	0.0057 ppm	0.0208 ppm	0.0004 ppm	2.5046 ppm
Concentration per Run	-0.0001 ppm	6.2312 ppm	0.0119 ppm	0.0056 ppm	0.0209 ppm	0.0004 ppm	2.5230 ppm
Concentration per Run	-0.0001 ppm	6.2126 ppm	0.0109 ppm	0.0050 ppm	0.0208 ppm	0.0004 ppm	2.4862 ppm
Concentration per Run	0.0000 ppm	6.1914 ppm	0.0102 ppm	0.0066 ppm	0.0208 ppm	0.0003 ppm	2.5045 ppm
Concentration RSD	58.2 %	0.3 %	8.1 %	13.7 %	0.2 %	4.0 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0014 ppm	0.0374 ppm	0.0169 ppm	33.9467 ppm	0.6190 ppm	0.0037 ppm
Concentration per Run	0.0002 ppm	0.0017 ppm	0.0373 ppm	0.0166 ppm	34.0298 ppm	0.6314 ppm	0.0044 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	0.0375 ppm	0.0169 ppm	33.7762 ppm	0.6216 ppm	0.0027 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	0.0374 ppm	0.0170 ppm	34.0341 ppm	0.6041 ppm	0.0041 ppm
Concentration RSD	19.7 %	17.0 %	0.3 %	1.2 %	0.4 %	2.2 %	24.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.7260 ppm	0.0584 ppm	0.0057 ppm	0.0556 ppm	0.0121 ppm	0.0339 ppm	0.0014 ppm
Concentration per Run	0.7237 ppm	0.0586 ppm	0.0058 ppm	0.0578 ppm	0.0120 ppm	0.0345 ppm	-0.0010 ppm
Concentration per Run	0.7237 ppm	0.0583 ppm	0.0057 ppm	0.0549 ppm	0.0119 ppm	0.0336 ppm	0.0023 ppm
Concentration per Run	0.7307 ppm	0.0584 ppm	0.0057 ppm	0.0541 ppm	0.0124 ppm	0.0337 ppm	0.0030 ppm
Concentration RSD	0.6 %	0.3 %	1.5 %	3.5 %	2.3 %	1.4 %	148.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	0.8812 ppm	0.0033 ppm	0.0154 ppm	0.1195 ppm	0.0006 ppm	0.0464 ppm
Concentration per Run	0.0016 ppm	0.8777 ppm	0.0036 ppm	0.0154 ppm	0.1191 ppm	0.0003 ppm	0.0465 ppm
Concentration per Run	0.0009 ppm	0.8826 ppm	0.0032 ppm	0.0154 ppm	0.1195 ppm	0.0009 ppm	0.0462 ppm
Concentration per Run	-0.0003 ppm	0.8831 ppm	0.0032 ppm	0.0154 ppm	0.1199 ppm	0.0006 ppm	0.0465 ppm
Concentration RSD	131.0 %	0.3 %	6.8 %	0.1 %	0.3 %	49.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0336 ppm	103.0938 %	105.1382 %	98.6778 %	104.1335 %	105.9875 %	102.1649 %
Concentration per Run	0.0331 ppm	103.8906 %	104.2260 %	98.2285 %	104.8937 %	105.8153 %	101.7372 %
Concentration per Run	0.0336 ppm	103.0566 %	105.8575 %	98.6673 %	104.1527 %	106.1603 %	101.9647 %
Concentration per Run	0.0341 ppm	102.3341 %	105.3312 %	99.1375 %	103.3539 %	105.9869 %	102.7927 %
Concentration RSD	1.5 %	0.8 %	0.8 %	0.5 %	0.7 %	0.2 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/11/2025 11:34:45 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4730 ppm	0.4733 ppm	0.4666 ppm	0.4703 ppm	0.4807 ppm	0.4897 ppm	0.4829 ppm
Concentration per Run	0.4734 ppm	0.4703 ppm	0.4649 ppm	0.4703 ppm	0.4807 ppm	0.4877 ppm	0.4830 ppm
Concentration per Run	0.4731 ppm	0.4807 ppm	0.4682 ppm	0.4703 ppm	0.4826 ppm	0.4939 ppm	0.4899 ppm
Concentration per Run	0.4724 ppm	0.4689 ppm	0.4668 ppm	0.4710 ppm	0.4788 ppm	0.4873 ppm	0.4759 ppm
Recovery Percentage	94.596 %	94.657 %	93.326 %	94.066 %	96.144 %	97.933 %	96.589 %
Concentration RSD	0.1 %	1.4 %	0.3 %	0.1 %	0.4 %	0.8 %	1.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4815 ppm	0.4848 ppm	0.4847 ppm	0.4865 ppm	0.4938 ppm	4.9730 ppm	0.5110 ppm
Concentration per Run	0.4849 ppm	0.4864 ppm	0.4873 ppm	0.4862 ppm	0.4963 ppm	4.9574 ppm	0.5050 ppm
Concentration per Run	0.4822 ppm	0.4851 ppm	0.4835 ppm	0.4876 ppm	0.4949 ppm	5.0301 ppm	0.5143 ppm
Concentration per Run	0.4774 ppm	0.4828 ppm	0.4833 ppm	0.4858 ppm	0.4902 ppm	4.9316 ppm	0.5137 ppm
Recovery Percentage	96.298 %	96.952 %	96.941 %	97.304 %	98.760 %	99.460 %	102.199 %
Concentration RSD	0.8 %	0.4 %	0.5 %	0.2 %	0.6 %	1.0 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4823 ppm	0.4885 ppm	0.4762 ppm	10.0436 ppm	0.4913 ppm	0.4760 ppm	0.4976 ppm
Concentration per Run	0.4852 ppm	0.4883 ppm	0.4758 ppm	9.9642 ppm	0.4949 ppm	0.4770 ppm	0.4966 ppm
Concentration per Run	0.4834 ppm	0.4938 ppm	0.4773 ppm	10.1529 ppm	0.4905 ppm	0.4762 ppm	0.4983 ppm
Concentration per Run	0.4783 ppm	0.4833 ppm	0.4756 ppm	10.0137 ppm	0.4884 ppm	0.4749 ppm	0.4980 ppm
Recovery Percentage	96.460 %	97.698 %	95.244 %	100.436 %	98.252 %	95.207 %	99.528 %
Concentration RSD	0.7 %	1.1 %	0.2 %	1.0 %	0.7 %	0.2 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4630 ppm	5.1132 ppm	0.4880 ppm	0.4951 ppm	0.4816 ppm	0.4891 ppm	0.4887 ppm
Concentration per Run	0.4626 ppm	5.0977 ppm	0.4913 ppm	0.4944 ppm	0.4852 ppm	0.4875 ppm	0.4891 ppm
Concentration per Run	0.4608 ppm	5.1327 ppm	0.4880 ppm	0.4961 ppm	0.4781 ppm	0.4919 ppm	0.4891 ppm
Concentration per Run	0.4656 ppm	5.1091 ppm	0.4847 ppm	0.4947 ppm	0.4815 ppm	0.4879 ppm	0.4878 ppm
Recovery Percentage	92.597 %	97.394 %	97.605 %	99.014 %	96.324 %	97.818 %	97.735 %
Concentration RSD	0.5 %	0.3 %	0.7 %	0.2 %	0.7 %	0.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4798 ppm	101.7731 %	104.7196 %	97.4744 %	101.3469 %	104.1508 %	100.9114 %
Concentration per Run	0.4840 ppm	101.7471 %	104.4168 %	96.7555 %	101.2956 %	103.8014 %	100.6485 %
Concentration per Run	0.4780 ppm	101.4069 %	103.4501 %	97.8490 %	101.2056 %	101.2436 %	101.2436 %
Concentration per Run	0.4773 ppm	102.1652 %	106.2918 %	97.8188 %	101.5395 %	105.1402 %	100.8421 %
Recovery Percentage	95.953 %						
Concentration RSD	0.8 %	0.4 %	1.4 %	0.6 %	0.2 %	0.8 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/11/2025 11:38:12 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0007 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0079 ppm
Concentration per Run	-0.0001 ppm	0.0036 ppm	-0.0005 ppm	-0.0001 ppm	0.0001 ppm	0.0086 ppm	0.0086 ppm
Concentration per Run	-0.0002 ppm	0.0032 ppm	-0.0014 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0064 ppm
Concentration per Run	-0.0004 ppm	-0.0049 ppm	0.0026 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0085 ppm
Recovery Percentage	-4.871 %	0.652 %	4.942 %	0.556 %	1.604 %	1.970 %	7.859 %
Concentration RSD	62.1 %	735.7 %	834.8 %	214.3 %	32.6 %	27.1 %	15.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0083 ppm	0.0252 ppm	0.0001 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0083 ppm	0.0279 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0086 ppm	0.0253 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0082 ppm	0.0224 ppm	0.0003 ppm
Recovery Percentage	4.445 %	0.457 %	3.465 %	-1.129 %	16.681 %	1.007 %	1.200 %
Concentration RSD	12.7 %	194.2 %	18.3 %	66.0 %	2.2 %	11.0 %	160.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0012 ppm	0.0002 ppm	0.0039 ppm	0.0100 ppm	0.0002 ppm	0.0007 ppm	0.0004 ppm
Concentration per Run	0.0019 ppm	0.0002 ppm	0.0039 ppm	0.0096 ppm	0.0003 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0004 ppm	0.0001 ppm	0.0041 ppm	0.0088 ppm	0.0000 ppm	0.0020 ppm	0.0020 ppm
Concentration per Run	0.0014 ppm	0.0003 ppm	0.0037 ppm	0.0115 ppm	0.0003 ppm	0.0006 ppm	-0.0006 ppm
Recovery Percentage	1.241 %	1.946 %	7.809 %	0.498 %	0.843 %	6.716 %	0.892 %
Concentration RSD	62.6 %	30.4 %	5.1 %	13.9 %	82.9 %	108.3 %	314.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	0.0003 ppm	0.0012 ppm	0.0001 ppm	0.0006 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	0.0011 ppm	0.0003 ppm	0.0006 ppm	0.0001 ppm	0.0005 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	0.0030 ppm	0.0006 ppm	0.0016 ppm	0.0001 ppm	0.0007 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run	0.0041 ppm	0.0000 ppm	0.0014 ppm	0.0001 ppm	0.0007 ppm	0.0006 ppm	0.0003 ppm
Recovery Percentage	27.531 %	0.069 %	2.406 %	1.333 %	6.225 %	4.768 %	1.060 %
Concentration RSD	54.9 %	84.9 %	47.9 %	16.6 %	14.1 %	45.5 %	160.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	100.7664 %	102.2255 %	98.9069 %	102.5901 %	104.0940 %	100.2636 %
Concentration per Run	0.0002 ppm	101.0042 %	102.7131 %	99.0265 %	102.7054 %	105.1316 %	100.1601 %
Concentration per Run	0.0001 ppm	100.1481 %	101.7966 %	99.0375 %	101.9925 %	103.1102 %	100.4639 %
Concentration per Run	0.0003 ppm	101.1469 %	102.1668 %	98.6566 %	103.0723 %	104.0401 %	100.1669 %
Recovery Percentage	4.424 %						
Concentration RSD	49.2 %	0.5 %	0.5 %	0.2 %	0.5 %	1.0 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554320-04d2 WG2111592

Analysis started at: 9/11/2025 11:41:39 PM

Rack 2

Vial 47

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0013 ppm	69.1242 ppm	0.0450 ppm	0.0331 ppm	0.6665 ppm	0.0040 ppm	103.0185 ppm
Concentration per Run	0.0011 ppm	69.0989 ppm	0.0446 ppm	0.0330 ppm	0.6688 ppm	0.0040 ppm	102.6274 ppm
Concentration per Run	0.0013 ppm	69.1305 ppm	0.0457 ppm	0.0329 ppm	0.6705 ppm	0.0040 ppm	102.6552 ppm
Concentration per Run	0.0014 ppm	69.1432 ppm	0.0447 ppm	0.0333 ppm	0.6601 ppm	0.0039 ppm	103.7731 ppm
Concentration RSD	12.2 %	0.0 %	1.3 %	0.6 %	0.8 %	0.9 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0011 ppm	0.0690 ppm	0.0917 ppm	0.2603 ppm	135.4982 ppm	11.5421 ppm	0.1156 ppm
Concentration per Run	0.0011 ppm	0.0692 ppm	0.0923 ppm	0.2609 ppm	135.6113 ppm	0.115366 ppm	0.1173 ppm
Concentration per Run	0.0011 ppm	0.0693 ppm	0.0915 ppm	0.2601 ppm	135.5097 ppm	11.5552 ppm	0.1152 ppm
Concentration per Run	0.0012 ppm	0.0685 ppm	0.0915 ppm	0.2598 ppm	135.3735 ppm	11.5346 ppm	0.1143 ppm
Concentration RSD	4.1 %	0.6 %	0.5 %	0.2 %	0.1 %	0.1 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	47.9634 ppm	6.4881 ppm	0.0058 ppm	0.2856 ppm	0.1157 ppm	0.3288 ppm	0.0016 ppm
Concentration per Run	48.1784 ppm	6.4769 ppm	0.0057 ppm	0.2852 ppm	0.1168 ppm	0.3281 ppm	0.0006 ppm
Concentration per Run	47.7950 ppm	6.4834 ppm	0.0059 ppm	0.2859 ppm	0.1145 ppm	0.3267 ppm	0.0021 ppm
Concentration per Run	47.9167 ppm	6.5040 ppm	0.0059 ppm	0.2856 ppm	0.1157 ppm	0.3315 ppm	0.0021 ppm
Concentration RSD	0.4 %	0.2 %	1.4 %	0.1 %	1.0 %	0.8 %	55.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0004 ppm	4.4998 ppm	0.0100 ppm	0.1694 ppm	0.7933 ppm	-0.0038 ppm	0.1422 ppm
Concentration per Run	0.0019 ppm	4.5237 ppm	0.0099 ppm	0.1702 ppm	0.7905 ppm	-0.0049 ppm	0.1430 ppm
Concentration per Run	-0.0033 ppm	4.4808 ppm	0.0098 ppm	0.1694 ppm	0.7976 ppm	-0.0031 ppm	0.1416 ppm
Concentration per Run	0.0003 ppm	4.4949 ppm	0.0102 ppm	0.1684 ppm	0.7917 ppm	-0.0033 ppm	0.1420 ppm
Concentration RSD	692.9 %	0.5 %	2.2 %	0.5 %	0.5 %	26.5 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5673 ppm	99.4762 %	107.7257 %	87.3404 %	127.6015 %	139.3748 %	126.7682 %
Concentration per Run	0.5710 ppm	99.2847 %	108.0077 %	86.7919 %	127.4677 %	140.0023 %	126.3391 %
Concentration per Run	0.5632 ppm	99.8909 %	108.1490 %	87.7612 %	128.2831 %	139.5951 %	127.3491 %
Concentration per Run	0.5676 ppm	99.2530 %	107.0202 %	87.4682 %	127.0536 %	138.5269 %	126.6163 %
Concentration RSD	0.7 %	0.4 %	0.6 %	0.6 %	0.5 %	0.5 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: eL2554320-05d2 WG2111592

Analysis started at: 9/11/2025 11:45:06 PM

Rack 2

Vial 48

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	35.5849 ppm	0.0338 ppm	0.0441 ppm	0.3712 ppm	0.0020 ppm	1,135.3863 [SIC-1000]
Concentration per Run	-0.0003 ppm	35.4598 ppm	0.0343 ppm	0.0433 ppm	0.3692 ppm	0.0020 ppm	1,136.2554 ppm
Concentration per Run	-0.0001 ppm	35.5544 ppm	0.0345 ppm	0.0448 ppm	0.3742 ppm	0.0020 ppm	1,125.8463 ppm
Concentration per Run	-0.0006 ppm	35.7405 ppm	0.0325 ppm	0.0442 ppm	0.3703 ppm	0.0020 ppm	1,144.0572 ppm
Concentration RSD	64.8 %	0.4 %	3.3 %	1.8 %	0.7 %	0.3 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0125 ppm	0.0508 ppm	0.0481 ppm	0.3067 ppm	97.0604 ppm	6.8852 ppm	0.1476 ppm
Concentration per Run	-0.0126 ppm	0.0508 ppm	0.0480 ppm	0.3079 ppm	96.5936 ppm	6.8495 ppm	0.1466 ppm
Concentration per Run	-0.0125 ppm	0.0507 ppm	0.0483 ppm	0.3075 ppm	96.7399 ppm	6.8773 ppm	0.1480 ppm
Concentration per Run	-0.0124 ppm	0.0511 ppm	0.0482 ppm	0.3049 ppm	97.8476 ppm	6.9288 ppm	0.1480 ppm
Concentration RSD	0.8 %	0.4 %	0.4 %	0.5 %	0.7 %	0.6 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	363.6557 ppm	6.1397 ppm	0.0027 ppm	1.3834 ppm	0.0909 ppm	0.0840 ppm	0.0002 ppm
Concentration per Run	363.4993 ppm	6.1257 ppm	0.0023 ppm	1.3707 ppm	0.0900 ppm	0.0847 ppm	0.0001 ppm
Concentration per Run	362.0833 ppm	6.1112 ppm	0.0026 ppm	1.3902 ppm	0.0911 ppm	0.0835 ppm	0.0016 ppm
Concentration per Run	365.3843 ppm	6.1823 ppm	0.0031 ppm	1.3891 ppm	0.0916 ppm	0.0839 ppm	-0.0010 ppm
Concentration RSD	0.5 %	0.6 %	15.3 %	0.8 %	0.9 %	0.7 %	570.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0015 ppm	4.8805 ppm	0.0055 ppm	1.5661 ppm	0.3135 ppm	-0.0045 ppm	0.0752 ppm
Concentration per Run	-0.0020 ppm	4.8775 ppm	0.0054 ppm	1.5579 ppm	0.3136 ppm	-0.0041 ppm	0.0751 ppm
Concentration per Run	-0.0020 ppm	4.8661 ppm	0.0054 ppm	1.5659 ppm	0.3137 ppm	-0.0046 ppm	0.0750 ppm
Concentration per Run	-0.0005 ppm	4.8981 ppm	0.0048 ppm	1.5745 ppm	0.3133 ppm	-0.0050 ppm	0.0753 ppm
Concentration RSD	56.8 %	0.3 %	14.5 %	0.5 %	0.1 %	10.4 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3546 ppm	86.4897 %	97.5563 %	73.0156 %	108.5117 %	123.2242 %	106.7379 %
Concentration per Run	0.3522 ppm	86.5161 %	97.7873 %	73.0497 %	108.6632 %	123.1339 %	106.8226 %
Concentration per Run	0.3532 ppm	86.4607 %	98.2595 %	72.8304 %	108.1163 %	123.8673 %	106.5211 %
Concentration per Run	0.3584 ppm	86.4924 %	96.6219 %	73.1666 %	108.7557 %	122.6716 %	106.8699 %
Concentration RSD	0.9 %	0.0 %	0.9 %	0.2 %	0.3 %	0.5 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554320-07d2 WG2111592

Analysis started at: 9/11/2025 11:48:34 PM

Rack 2

Vial 49

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	33.0361 ppm	0.0353 ppm	0.0778 ppm	0.3663 ppm	0.0020 ppm	816.0320 [SIC-1000]
Concentration per Run	0.0002 ppm	32.9714 ppm	0.0354 ppm	0.0779 ppm	0.3623 ppm	0.0020 ppm	811.3166 ppm
Concentration per Run	0.0002 ppm	32.9308 ppm	0.0361 ppm	0.0791 ppm	0.3665 ppm	0.0021 ppm	811.8599 ppm
Concentration per Run	0.0000 ppm	33.2060 ppm	0.0343 ppm	0.0764 ppm	0.3702 ppm	0.0020 ppm	824.9194 ppm
Concentration RSD	73.6 %	0.4 %	2.5 %	1.7 %	1.1 %	1.8 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0046 ppm	0.0389 ppm	0.0905 ppm	0.2808 ppm	103.4632 ppm	8.2399 ppm	0.0953 ppm
Concentration per Run	-0.0046 ppm	0.0387 ppm	0.0905 ppm	0.2813 ppm	102.5857 ppm	8.1986 ppm	0.0991 ppm
Concentration per Run	-0.0046 ppm	0.0389 ppm	0.0901 ppm	0.2811 ppm	103.5460 ppm	8.2365 ppm	0.0938 ppm
Concentration per Run	-0.0046 ppm	0.0392 ppm	0.0909 ppm	0.2802 ppm	104.2578 ppm	8.2844 ppm	0.0931 ppm
Concentration RSD	0.9 %	0.7 %	0.5 %	0.2 %	0.8 %	0.5 %	3.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	204.5703 ppm	4.3512 ppm	0.0070 ppm	2.5029 ppm	0.0849 ppm	0.4714 ppm	0.0037 ppm
Concentration per Run	205.2811 ppm	4.3253 ppm	0.0067 ppm	2.5009 ppm	0.0854 ppm	0.4703 ppm	0.0041 ppm
Concentration per Run	203.0151 ppm	4.3426 ppm	0.0073 ppm	2.4968 ppm	0.0849 ppm	0.4713 ppm	0.0066 ppm
Concentration per Run	205.4147 ppm	4.3856 ppm	0.0070 ppm	2.5109 ppm	0.0845 ppm	0.4726 ppm	0.0005 ppm
Concentration RSD	0.7 %	0.7 %	4.5 %	0.3 %	0.6 %	0.2 %	83.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0014 ppm	5.3068 ppm	0.0129 ppm	1.1565 ppm	0.6099 ppm	-0.0020 ppm	0.1011 ppm
Concentration per Run	-0.0011 ppm	5.3230 ppm	0.0128 ppm	1.1464 ppm	0.6132 ppm	-0.0017 ppm	0.1010 ppm
Concentration per Run	-0.0036 ppm	5.2836 ppm	0.0129 ppm	1.1608 ppm	0.6078 ppm	-0.0019 ppm	0.1007 ppm
Concentration per Run	0.0006 ppm	5.3137 ppm	0.0130 ppm	1.1625 ppm	0.6088 ppm	-0.0025 ppm	0.1015 ppm
Concentration RSD	154.4 %	0.4 %	0.5 %	0.8 %	0.5 %	18.8 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7431 ppm	89.6214 %	100.2078 %	76.5316 %	109.1625 %	122.7313 %	107.9628 %
Concentration per Run	0.7446 ppm	89.4885 %	100.4618 %	76.8400 %	108.5006 %	122.3497 %	108.3057 %
Concentration per Run	0.7363 ppm	89.8139 %	100.7747 %	76.2928 %	109.6902 %	122.7797 %	107.5757 %
Concentration per Run	0.7483 ppm	89.5618 %	99.3868 %	76.4618 %	109.2969 %	123.0646 %	108.0071 %
Concentration RSD	0.8 %	0.2 %	0.7 %	0.4 %	0.6 %	0.3 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: eL2554320-09d2 WG2111592
Analysis started at: 9/11/2025 11:52:01 PM
Rack 2
Vial 50
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	35.0991 ppm	0.0280 ppm	0.1190 ppm	0.4874 ppm	0.0040 ppm	1,175.1243 [SIC-1000]
Concentration per Run	0.0003 ppm	35.1258 ppm	0.0288 ppm	0.1179 ppm	0.4878 ppm	0.0040 ppm	1,184.6511 ppm
Concentration per Run	0.0002 ppm	34.9605 ppm	0.0285 ppm	0.1208 ppm	0.4868 ppm	0.0039 ppm	1,172.0442 ppm
Concentration per Run	0.0000 ppm	35.2110 ppm	0.0288 ppm	0.1181 ppm	0.4877 ppm	0.0040 ppm	1,168.6774 ppm
Concentration RSD	90.6 %	0.4 %	3.9 %	1.3 %	0.1 %	1.0 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0304 ppm	0.1435 ppm	0.3731 ppm	107.4650 ppm	16.8079 ppm	0.1166 ppm
Concentration per Run	0.0005 ppm	0.0303 ppm	0.1442 ppm	0.3730 ppm	107.9279 ppm	16.8239 ppm	0.1079 ppm
Concentration per Run	0.0006 ppm	0.0306 ppm	0.1435 ppm	0.3739 ppm	107.2860 ppm	16.8205 ppm	0.1180 ppm
Concentration per Run	0.0008 ppm	0.0304 ppm	0.1429 ppm	0.3724 ppm	107.1811 ppm	16.7792 ppm	0.1239 ppm
Concentration RSD	27.3 %	0.5 %	0.5 %	0.2 %	0.4 %	0.1 %	6.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	343.8294 ppm	4.7640 ppm	0.0077 ppm	4.1230 ppm	0.0895 ppm	0.3958 ppm	0.0156 ppm
Concentration per Run	346.1957 ppm	4.7808 ppm	0.0074 ppm	4.1200 ppm	0.0895 ppm	0.3942 ppm	0.0167 ppm
Concentration per Run	342.9834 ppm	4.7618 ppm	0.0078 ppm	4.1111 ppm	0.0900 ppm	0.3944 ppm	0.0143 ppm
Concentration per Run	342.3092 ppm	4.7493 ppm	0.0079 ppm	4.1378 ppm	0.0892 ppm	0.3986 ppm	0.0158 ppm
Concentration RSD	0.6 %	0.3 %	3.9 %	0.3 %	0.5 %	0.6 %	7.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	13.2155 ppm	0.0137 ppm	1.6384 ppm	0.6389 ppm	-0.0037 ppm	0.1564 ppm
Concentration per Run	0.0021 ppm	13.3336 ppm	0.0143 ppm	1.6412 ppm	0.6452 ppm	-0.0028 ppm	0.1567 ppm
Concentration per Run	0.0001 ppm	13.1587 ppm	0.0137 ppm	1.6413 ppm	0.6382 ppm	-0.0037 ppm	0.1566 ppm
Concentration per Run	-0.0024 ppm	13.1542 ppm	0.0131 ppm	1.6327 ppm	0.6332 ppm	-0.0044 ppm	0.1559 ppm
Concentration RSD	7,328.2 %	0.8 %	4.3 %	0.3 %	0.9 %	21.6 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.5524 ppm	86.8957 %	98.1850 %	72.6106 %	115.4413 %	130.7268 %	113.5743 %
Concentration per Run	1.5698 ppm	86.9321 %	98.4544 %	72.6767 %	115.7370 %	131.9024 %	113.4920 %
Concentration per Run	1.5446 ppm	87.2532 %	97.8733 %	72.7670 %	115.6336 %	129.4910 %	113.7123 %
Concentration per Run	1.5428 ppm	86.5019 %	98.2271 %	72.3882 %	114.9534 %	130.7870 %	113.5185 %
Concentration RSD	1.0 %	0.4 %	0.3 %	0.3 %	0.4 %	0.9 %	0.1 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2554320-10d2 WG2111592

Analysis started at: 9/11/2025 11:55:28 PM

Rack 2

Vial 51

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	23.3105 ppm	0.0374 ppm	0.0601 ppm	0.3844 ppm	0.0015 ppm	871.0536 [SIC-1000]
Concentration per Run	0.0005 ppm	23.2436 ppm	0.0374 ppm	0.0589 ppm	0.3836 ppm	0.0016 ppm	865.7587 ppm
Concentration per Run	-0.0002 ppm	23.4329 ppm	0.0383 ppm	0.0597 ppm	0.3839 ppm	0.0015 ppm	877.2081 ppm
Concentration per Run	0.0001 ppm	23.2549 ppm	0.0365 ppm	0.0617 ppm	0.3858 ppm	0.0015 ppm	870.1941 ppm
Concentration RSD	239.4 %	0.5 %	2.5 %	2.4 %	0.3 %	1.0 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0048 ppm	0.0282 ppm	0.1110 ppm	0.2342 ppm	88.2798 ppm	6.1041 ppm	0.0825 ppm
Concentration per Run	-0.0049 ppm	0.0280 ppm	0.1115 ppm	0.2325 ppm	87.9090 ppm	6.0918 ppm	0.0815 ppm
Concentration per Run	-0.0046 ppm	0.0285 ppm	0.1106 ppm	0.2347 ppm	88.8894 ppm	6.1276 ppm	0.0809 ppm
Concentration per Run	-0.0048 ppm	0.0281 ppm	0.1107 ppm	0.2353 ppm	88.0411 ppm	6.0928 ppm	0.0852 ppm
Concentration RSD	2.8 %	1.0 %	0.4 %	0.6 %	0.6 %	0.3 %	2.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	337.6856 ppm	4.5666 ppm	0.0050 ppm	1.9580 ppm	0.0592 ppm	0.3025 ppm	0.0089 ppm
Concentration per Run	340.4766 ppm	4.5511 ppm	0.0048 ppm	1.9468 ppm	0.0589 ppm	0.3037 ppm	0.0082 ppm
Concentration per Run	337.4340 ppm	4.5969 ppm	0.0052 ppm	1.9732 ppm	0.0590 ppm	0.3018 ppm	0.0109 ppm
Concentration per Run	335.1461 ppm	4.5516 ppm	0.0048 ppm	1.9539 ppm	0.0598 ppm	0.3020 ppm	0.0075 ppm
Concentration RSD	0.8 %	0.6 %	4.6 %	0.7 %	0.9 %	0.3 %	20.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	3.9976 ppm	0.0219 ppm	0.8282 ppm	0.4619 ppm	-0.0037 ppm	0.0851 ppm
Concentration per Run	-0.0016 ppm	3.9991 ppm	0.0226 ppm	0.8266 ppm	0.4645 ppm	-0.0036 ppm	0.0852 ppm
Concentration per Run	0.0004 ppm	3.9977 ppm	0.0216 ppm	0.8305 ppm	0.4593 ppm	-0.0038 ppm	0.0852 ppm
Concentration per Run	0.0020 ppm	3.9959 ppm	0.0215 ppm	0.8275 ppm	0.4618 ppm	-0.0036 ppm	0.0849 ppm
Concentration RSD	739.8 %	0.0 %	2.7 %	0.3 %	0.6 %	3.6 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6962 ppm	86.7850 ppm	96.1114 ppm	73.2121 ppm	99.8847 ppm	111.2231 ppm	97.8447 ppm
Concentration per Run	0.7050 ppm	86.6874 ppm	96.9663 ppm	73.1175 ppm	99.2890 ppm	110.9038 ppm	97.6213 ppm
Concentration per Run	0.6917 ppm	86.4275 ppm	94.9026 ppm	73.1076 ppm	99.6694 ppm	110.8241 ppm	97.5855 ppm
Concentration per Run	0.6918 ppm	87.2400 ppm	96.4654 ppm	73.4111 ppm	100.6957 ppm	111.9414 ppm	98.3274 ppm
Concentration RSD	1.1 %	0.5 %	1.1 %	0.2 %	0.7 %	0.6 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: eL2554320-11d2 WG2111592

Analysis started at: 9/11/2025 11:58:55 PM

Rack 2

Vial 52

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	26.0967 ppm	0.0355 ppm	0.0556 ppm	0.3552 ppm	0.0019 ppm	1,086.4150 [SIC-1000]
Concentration per Run	0.0003 ppm	25.9356 ppm	0.0360 ppm	0.0551 ppm	0.3575 ppm	0.0019 ppm	1,081.7405 ppm
Concentration per Run	0.0002 ppm	26.2073 ppm	0.0353 ppm	0.0567 ppm	0.3536 ppm	0.0019 ppm	1,082.0819 ppm
Concentration per Run	0.0000 ppm	26.1473 ppm	0.0353 ppm	0.0551 ppm	0.3544 ppm	0.0019 ppm	1,095.4225 ppm
Concentration RSD	96.6 %	0.5 %	1.1 %	1.7 %	0.6 %	1.4 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0096 ppm	0.0357 ppm	0.0357 ppm	0.2328 ppm	78.7246 ppm	5.6197 ppm	0.1012 ppm
Concentration per Run	-0.0096 ppm	0.0354 ppm	0.0354 ppm	0.2332 ppm	79.0239 ppm	5.6397 ppm	0.0909 ppm
Concentration per Run	-0.0095 ppm	0.0358 ppm	0.0358 ppm	0.2330 ppm	78.5338 ppm	5.6254 ppm	0.1092 ppm
Concentration per Run	-0.0097 ppm	0.0360 ppm	0.0360 ppm	0.2321 ppm	78.6161 ppm	5.5939 ppm	0.1034 ppm
Concentration RSD	0.6 %	0.8 %	0.2 %	0.3 %	0.3 %	0.4 %	9.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	247.8907 ppm	3.8053 ppm	0.0045 ppm	1.6167 ppm	0.0795 ppm	0.3547 ppm	0.0004 ppm
Concentration per Run	247.1903 ppm	3.7987 ppm	0.0047 ppm	1.6075 ppm	0.0791 ppm	0.3534 ppm	0.0005 ppm
Concentration per Run	248.4466 ppm	3.8085 ppm	0.0045 ppm	1.6218 ppm	0.0805 ppm	0.3553 ppm	0.0007 ppm
Concentration per Run	248.0352 ppm	3.8088 ppm	0.0043 ppm	1.6208 ppm	0.0790 ppm	0.3553 ppm	0.0001 ppm
Concentration RSD	0.3 %	0.2 %	3.8 %	0.5 %	1.1 %	0.3 %	73.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0011 ppm	3.4845 ppm	0.0122 ppm	1,1790 ppm	0.3299 ppm	-0.0027 ppm	0.0658 ppm
Concentration per Run	-0.0001 ppm	3.4742 ppm	0.0117 ppm	1.1840 ppm	0.3303 ppm	-0.0023 ppm	0.0661 ppm
Concentration per Run	-0.0012 ppm	3.4856 ppm	0.0123 ppm	1.1731 ppm	0.3311 ppm	-0.0033 ppm	0.0659 ppm
Concentration per Run	-0.0021 ppm	3.4936 ppm	0.0125 ppm	1.1799 ppm	0.3282 ppm	-0.0026 ppm	0.0655 ppm
Concentration RSD	86.8 %	0.3 %	3.4 %	0.5 %	0.4 %	18.6 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0124 ppm	86.4609 %	96.9439 %	73.2279 %	103.8335 %	117.2018 %	102.4232 %
Concentration per Run	1.0110 ppm	86.7638 %	97.2884 %	73.0169 %	104.2063 %	117.7396 %	102.2781 %
Concentration per Run	1.0176 ppm	86.3477 %	97.0000 %	73.0873 %	103.6435 %	116.8807 %	102.6732 %
Concentration per Run	1.0086 ppm	86.2712 %	96.5434 %	73.5795 %	103.6506 %	116.9851 %	102.3183 %
Concentration RSD	0.5 %	0.3 %	0.4 %	0.4 %	0.3 %	0.4 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555899-0842 WG2111592

Analysis started at: 9/12/2025 12:02:22 AM

Rack 2

Vial 53

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0015 ppm	39.6191 ppm	0.0780 ppm	0.0424 ppm	0.1749 ppm	0.0026 ppm	10.0346 ppm
Concentration per Run	0.0012 ppm	39.4603 ppm	0.0787 ppm	0.0422 ppm	0.1738 ppm	0.0026 ppm	10.0297 ppm
Concentration per Run	0.0017 ppm	39.7819 ppm	0.0769 ppm	0.0420 ppm	0.1759 ppm	0.0026 ppm	10.0536 ppm
Concentration per Run	0.0017 ppm	39.6153 ppm	0.0785 ppm	0.0430 ppm	0.1749 ppm	0.0026 ppm	10.0204 ppm
Concentration RSD	18.9 %	0.4 %	1.3 %	1.3 %	0.6 %	0.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0013 ppm	0.0105 ppm	0.2537 ppm	0.1219 ppm	214.9375 ppm	4.5126 ppm	0.0254 ppm
Concentration per Run	0.0014 ppm	0.0105 ppm	0.2538 ppm	0.1228 ppm	213.8353 ppm	4.5105 ppm	0.0270 ppm
Concentration per Run	0.0013 ppm	0.0106 ppm	0.2531 ppm	0.1215 ppm	215.8961 ppm	4.5193 ppm	0.0249 ppm
Concentration per Run	0.0013 ppm	0.0103 ppm	0.2543 ppm	0.1213 ppm	215.0811 ppm	4.5080 ppm	0.0244 ppm
Concentration RSD	6.0 %	1.3 %	0.2 %	0.7 %	0.5 %	0.1 %	5.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.4391 ppm	0.4582 ppm	0.0125 ppm	0.3262 ppm	0.0868 ppm	0.3365 ppm	0.0009 ppm
Concentration per Run	4.4190 ppm	0.4576 ppm	0.0127 ppm	0.3263 ppm	0.0870 ppm	0.3359 ppm	0.0018 ppm
Concentration per Run	4.4341 ppm	0.4596 ppm	0.0122 ppm	0.3275 ppm	0.0865 ppm	0.3389 ppm	-0.0003 ppm
Concentration per Run	4.4643 ppm	0.4574 ppm	0.0128 ppm	0.3250 ppm	0.0869 ppm	0.3348 ppm	0.0013 ppm
Concentration RSD	0.5 %	0.3 %	2.5 %	0.4 %	0.4 %	0.6 %	118.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	6.4974 ppm	0.0134 ppm	0.0695 ppm	0.7353 ppm	0.0008 ppm	0.3224 ppm
Concentration per Run	0.0032 ppm	6.5129 ppm	0.0127 ppm	0.0694 ppm	0.7357 ppm	0.0003 ppm	0.3222 ppm
Concentration per Run	0.0005 ppm	6.4964 ppm	0.0136 ppm	0.0697 ppm	0.7347 ppm	0.0002 ppm	0.3228 ppm
Concentration per Run	0.0012 ppm	6.4828 ppm	0.0138 ppm	0.0694 ppm	0.7355 ppm	0.0020 ppm	0.3222 ppm
Concentration RSD	84.0 %	0.2 %	4.2 %	0.3 %	0.1 %	118.6 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2712 ppm	101.0573 %	108.1833 %	91.1249 %	107.3815 %	114.1021 %	107.0473 %
Concentration per Run	0.2702 ppm	101.1158 %	108.9032 %	91.2145 %	107.6149 %	114.9525 %	107.1540 %
Concentration per Run	0.2709 ppm	100.9631 %	107.3859 %	91.3963 %	107.1894 %	113.0988 %	107.2310 %
Concentration per Run	0.2726 ppm	101.0929 %	108.2608 %	90.7641 %	107.3401 %	114.2551 %	106.7569 %
Concentration RSD	0.5 %	0.1 %	0.7 %	0.4 %	0.2 %	0.8 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555899-09d2 WG2111592

Analysis started at: 9/12/2025 12:05:49 AM

Rack 2

Vial 54

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0009 ppm	29.9750 ppm	0.0501 ppm	0.0152 ppm	0.1327 ppm	0.0016 ppm	2.1986 ppm
Concentration per Run	0.0009 ppm	30.0386 ppm	0.0503 ppm	0.0160 ppm	0.1330 ppm	0.0016 ppm	2.2156 ppm
Concentration per Run	0.0009 ppm	29.9338 ppm	0.0499 ppm	0.0151 ppm	0.1327 ppm	0.0016 ppm	2.1882 ppm
Concentration per Run	0.0010 ppm	29.9527 ppm	0.0501 ppm	0.0146 ppm	0.1325 ppm	0.0016 ppm	2.1920 ppm
Concentration RSD	5.8 %	0.2 %	0.4 %	4.7 %	0.2 %	1.2 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0076 ppm	0.1064 ppm	0.0414 ppm	125.7076 ppm	4.8645 ppm	0.0397 ppm
Concentration per Run	0.0007 ppm	0.0078 ppm	0.1069 ppm	0.0414 ppm	126.1398 ppm	4.8944 ppm	0.0404 ppm
Concentration per Run	0.0006 ppm	0.0076 ppm	0.1063 ppm	0.0414 ppm	125.5633 ppm	4.8669 ppm	0.0399 ppm
Concentration per Run	0.0008 ppm	0.0073 ppm	0.1061 ppm	0.0414 ppm	125.4198 ppm	4.8321 ppm	0.0388 ppm
Concentration RSD	16.0 %	3.2 %	0.4 %	0.0 %	0.3 %	0.6 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.9974 ppm	0.3002 ppm	0.0028 ppm	0.1662 ppm	0.0269 ppm	0.0644 ppm	0.0031 ppm
Concentration per Run	6.0429 ppm	0.3011 ppm	0.0028 ppm	0.1681 ppm	0.0275 ppm	0.0645 ppm	0.0034 ppm
Concentration per Run	5.9753 ppm	0.2998 ppm	0.0028 ppm	0.1647 ppm	0.0273 ppm	0.0647 ppm	0.0039 ppm
Concentration per Run	5.9741 ppm	0.2997 ppm	0.0028 ppm	0.1659 ppm	0.0258 ppm	0.0641 ppm	0.0019 ppm
Concentration RSD	0.7 %	0.3 %	0.9 %	1.1 %	3.5 %	0.5 %	33.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0005 ppm	5.6565 ppm	0.0061 ppm	0.1006 ppm	1.3007 ppm	0.0011 ppm	0.1860 ppm
Concentration per Run	-0.0010 ppm	5.6462 ppm	0.0061 ppm	0.1008 ppm	1.3037 ppm	0.0003 ppm	0.1866 ppm
Concentration per Run	0.0023 ppm	5.6633 ppm	0.0061 ppm	0.1006 ppm	1.2991 ppm	0.0011 ppm	0.1859 ppm
Concentration per Run	0.0003 ppm	5.6600 ppm	0.0060 ppm	0.1002 ppm	1.2993 ppm	0.0018 ppm	0.1855 ppm
Concentration RSD	299.8 %	0.2 %	1.0 %	0.3 %	0.2 %	68.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1203 ppm	102.8892 %	107.1489 %	93.5236 %	107.6114 %	112.0772 %	106.9445 %
Concentration per Run	0.1210 ppm	102.8114 %	106.8340 %	93.3497 %	107.5248 %	111.9650 %	107.2090 %
Concentration per Run	0.1206 ppm	102.7971 %	106.7265 %	93.6725 %	107.6999 %	111.0842 %	106.6572 %
Concentration per Run	0.1192 ppm	103.0592 %	107.8862 %	93.5487 %	107.6095 %	113.1824 %	106.9672 %
Concentration RSD	0.8 %	0.1 %	0.6 %	0.2 %	0.1 %	0.9 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555950-01d2 WG2111592

Analysis started at: 9/12/2025 12:09:17 AM

Rack 2

Vial 55

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0025 ppm	276.2804 ppm	0.1458 ppm	0.0984 ppm	0.9708 ppm	0.0125 ppm	43.8412 ppm
Concentration per Run	0.0029 ppm	275.5211 ppm	0.1465 ppm	0.0978 ppm	0.9650 ppm	0.0126 ppm	44.1952 ppm
Concentration per Run	0.0027 ppm	276.5010 ppm	0.1450 ppm	0.0993 ppm	0.9739 ppm	0.0125 ppm	43.7640 ppm
Concentration per Run	0.0018 ppm	276.8190 ppm	0.1458 ppm	0.0980 ppm	0.9735 ppm	0.0123 ppm	43.5643 ppm
Concentration RSD	22.5 %	0.2 %	0.5 %	0.8 %	0.5 %	1.1 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0014 ppm	0.1151 ppm	0.4197 ppm	0.4197 ppm	268.6838 ppm	142.8301 ppm	0.4744 ppm
Concentration per Run	0.0014 ppm	0.1159 ppm	0.4190 ppm	0.4190 ppm	269.8524 ppm	141.4731 ppm	0.4666 ppm
Concentration per Run	0.0017 ppm	0.1151 ppm	0.4197 ppm	0.4197 ppm	268.2044 ppm	142.8731 ppm	0.4797 ppm
Concentration per Run	0.0012 ppm	0.1142 ppm	0.4204 ppm	0.4204 ppm	267.9947 ppm	144.1441 ppm	0.4767 ppm
Concentration RSD	18.0 %	0.7 %	0.5 %	0.2 %	0.4 %	0.9 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	144.8667 ppm	5.8849 ppm	0.0054 ppm	77.7768 ppm	0.2527 ppm	0.1210 ppm	-0.0030 ppm
Concentration per Run	145.9445 ppm	5.9003 ppm	0.0056 ppm	77.2635 ppm	0.2523 ppm	0.1215 ppm	-0.0039 ppm
Concentration per Run	144.5355 ppm	5.8855 ppm	0.0054 ppm	78.0852 ppm	0.2536 ppm	0.1209 ppm	-0.0014 ppm
Concentration per Run	144.1201 ppm	5.8689 ppm	0.0051 ppm	78.0116 ppm	0.2523 ppm	0.1205 ppm	-0.0038 ppm
Concentration RSD	0.7 %	0.3 %	4.6 %	0.6 %	0.3 %	0.4 %	47.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0061 ppm	9.7140 ppm	0.0126 ppm	0.2265 ppm	13.0780 ppm	0.0118 ppm	0.5808 ppm
Concentration per Run	-0.0054 ppm	9.7631 ppm	0.0132 ppm	0.2239 ppm	13.1406 ppm	0.0106 ppm	0.5824 ppm
Concentration per Run	-0.0065 ppm	9.6397 ppm	0.0129 ppm	0.2274 ppm	13.0974 ppm	0.0121 ppm	0.5789 ppm
Concentration per Run	-0.0063 ppm	9.7392 ppm	0.0118 ppm	0.2283 ppm	12.9961 ppm	0.0127 ppm	0.5809 ppm
Concentration RSD	9.9 %	0.7 %	6.0 %	1.0 %	0.6 %	9.4 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6639 ppm	103.0631 %	111.5825 %	75.8408 %	125.4108 %	143.1972 %	126.9878 %
Concentration per Run	0.6693 ppm	102.7127 %	111.3426 %	75.9664 %	124.5182 %	143.6835 %	127.1670 %
Concentration per Run	0.6666 ppm	103.0640 %	111.0907 %	76.2615 %	125.1841 %	142.8011 %	127.0659 %
Concentration per Run	0.6558 ppm	103.4125 %	112.3141 %	75.2946 %	126.5301 %	143.1071 %	126.7304 %
Concentration RSD	1.1 %	0.3 %	0.6 %	0.7 %	0.8 %	0.3 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555950-02d2 WG2111592

Analysis started at: 9/12/2025 12:12:44 AM

Rack 2

Vial 56

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0013 ppm	252.9983 ppm	0.0542 ppm	0.0646 ppm	0.9182 ppm	0.0113 ppm	42.3123 ppm
Concentration per Run	0.0006 ppm	252.7681 ppm	0.0549 ppm	0.0636 ppm	0.9124 ppm	0.0115 ppm	42.1949 ppm
Concentration per Run	0.0018 ppm	253.8450 ppm	0.0538 ppm	0.0655 ppm	0.9250 ppm	0.0111 ppm	42.4780 ppm
Concentration per Run	0.0017 ppm	252.3819 ppm	0.0540 ppm	0.0647 ppm	0.9172 ppm	0.0113 ppm	42.2642 ppm
Concentration RSD	51.7 %	0.3 %	1.0 %	1.5 %	0.7 %	1.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.1200 ppm	0.5438 ppm	0.4199 ppm	251.5599 ppm	106.0298 ppm	0.5300 ppm
Concentration per Run	0.0009 ppm	0.1189 ppm	0.5409 ppm	0.4214 ppm	250.3214 ppm	105.1999 ppm	0.5398 ppm
Concentration per Run	0.0010 ppm	0.1219 ppm	0.5493 ppm	0.4182 ppm	253.5481 ppm	106.6546 ppm	0.5194 ppm
Concentration per Run	0.0012 ppm	0.1191 ppm	0.5412 ppm	0.4202 ppm	250.8103 ppm	106.2348 ppm	0.5308 ppm
Concentration RSD	12.9 %	1.4 %	0.9 %	0.4 %	0.7 %	0.7 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	158.6179 ppm	6.3547 ppm	0.0017 ppm	40.8410 ppm	0.2791 ppm	0.0942 ppm	-0.0017 ppm
Concentration per Run	158.1772 ppm	6.3385 ppm	0.0019 ppm	41.0399 ppm	0.2783 ppm	0.0941 ppm	-0.0053 ppm
Concentration per Run	160.4399 ppm	6.3832 ppm	0.0019 ppm	40.6540 ppm	0.2825 ppm	0.0953 ppm	-0.0011 ppm
Concentration per Run	157.2365 ppm	6.3422 ppm	0.0013 ppm	40.8292 ppm	0.2764 ppm	0.0932 ppm	0.0013 ppm
Concentration RSD	1.0 %	0.4 %	19.3 %	0.5 %	1.1 %	1.1 %	192.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0032 ppm	7.7931 ppm	0.0119 ppm	0.2102 ppm	14.4157 ppm	0.0101 ppm	0.5225 ppm
Concentration per Run	-0.0017 ppm	7.8359 ppm	0.0120 ppm	0.2106 ppm	14.3876 ppm	0.0095 ppm	0.5235 ppm
Concentration per Run	-0.0038 ppm	7.8174 ppm	0.0117 ppm	0.2101 ppm	14.4854 ppm	0.0105 ppm	0.5245 ppm
Concentration per Run	-0.0041 ppm	7.7261 ppm	0.0120 ppm	0.2100 ppm	14.3742 ppm	0.0102 ppm	0.5195 ppm
Concentration RSD	41.6 %	0.8 %	1.3 %	0.2 %	0.4 %	5.4 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7363 ppm	105.7629 %	114.8278 %	76.7645 %	120.1181 %	136.1644 %	120.6714 %
Concentration per Run	0.7311 ppm	105.6324 %	114.3921 %	76.5273 %	120.6347 %	137.1297 %	120.5408 %
Concentration per Run	0.7509 ppm	115.0306 %	119.5703 %	76.8264 %	119.5703 %	135.0136 %	120.3945 %
Concentration per Run	0.7269 ppm	106.1345 %	115.0609 %	76.9399 %	120.1494 %	136.3499 %	121.0788 %
Concentration RSD	1.7 %	0.3 %	0.3 %	0.3 %	0.4 %	0.8 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/12/2025 12:16:11 AM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4744 ppm	0.4900 ppm	0.4681 ppm	0.4697 ppm	0.4854 ppm	0.4942 ppm	0.4897 ppm
Concentration per Run	0.4743 ppm	0.4950 ppm	0.4650 ppm	0.4688 ppm	0.4886 ppm	0.4964 ppm	0.4924 ppm
Concentration per Run	0.4757 ppm	0.4905 ppm	0.4689 ppm	0.4689 ppm	0.4867 ppm	0.4931 ppm	0.4871 ppm
Concentration per Run	0.4732 ppm	0.4844 ppm	0.4703 ppm	0.4715 ppm	0.4810 ppm	0.4931 ppm	0.4896 ppm
Recovery Percentage	94.882 %	97.993 %	93.611 %	93.946 %	97.089 %	98.840 %	97.943 %
Concentration RSD	0.3 %	1.1 %	0.6 %	0.3 %	0.8 %	0.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4769 ppm	0.4842 ppm	0.4826 ppm	0.4910 ppm	0.5217 ppm	5.1235 ppm	0.5158 ppm
Concentration per Run	0.4752 ppm	0.4820 ppm	0.4808 ppm	0.4905 ppm	0.5232 ppm	5.1725 ppm	0.5149 ppm
Concentration per Run	0.4782 ppm	0.4848 ppm	0.4834 ppm	0.4908 ppm	0.5219 ppm	5.1114 ppm	0.5167 ppm
Concentration per Run	0.4771 ppm	0.4858 ppm	0.4835 ppm	0.4918 ppm	0.5199 ppm	5.0866 ppm	0.5158 ppm
Recovery Percentage	95.372 %	96.838 %	96.514 %	98.206 %	104.332 %	102.470 %	103.155 %
Concentration RSD	0.3 %	0.4 %	0.3 %	0.1 %	0.3 %	0.9 %	0.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4950 ppm	0.4904 ppm	0.4718 ppm	10.0721 ppm	0.4863 ppm	0.4809 ppm	0.4962 ppm
Concentration per Run	0.4926 ppm	0.4937 ppm	0.4694 ppm	10.1398 ppm	0.4832 ppm	0.4801 ppm	0.4985 ppm
Concentration per Run	0.4977 ppm	0.4878 ppm	0.4712 ppm	10.0301 ppm	0.4875 ppm	0.4803 ppm	0.4988 ppm
Concentration per Run	0.4948 ppm	0.4896 ppm	0.4749 ppm	10.0463 ppm	0.4883 ppm	0.4822 ppm	0.4913 ppm
Recovery Percentage	99.008 %	98.079 %	94.362 %	100.721 %	97.266 %	96.178 %	99.239 %
Concentration RSD	0.5 %	0.6 %	0.6 %	0.6 %	0.6 %	0.2 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4660 ppm	5.1223 ppm	0.4795 ppm	0.4978 ppm	0.4971 ppm	0.4925 ppm	0.4891 ppm
Concentration per Run	0.4657 ppm	5.0955 ppm	0.4767 ppm	0.4987 ppm	0.4976 ppm	0.4914 ppm	0.4887 ppm
Concentration per Run	0.4621 ppm	5.1381 ppm	0.4776 ppm	0.4993 ppm	0.4976 ppm	0.4905 ppm	0.4900 ppm
Concentration per Run	0.4702 ppm	5.1334 ppm	0.4843 ppm	0.4955 ppm	0.4960 ppm	0.4958 ppm	0.4887 ppm
Recovery Percentage	93.203 %	97.568 %	95.904 %	99.562 %	99.412 %	98.507 %	97.828 %
Concentration RSD	0.9 %	0.5 %	0.9 %	0.4 %	0.2 %	0.6 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4705 ppm	101.7671 %	105.0052 %	95.9505 %	101.7183 %	103.7972 %	99.3825 %
Concentration per Run	0.4686 ppm	102.2833 %	104.5992 %	95.5029 %	102.1911 %	103.4852 %	98.8568 %
Concentration per Run	0.4695 ppm	101.2444 %	105.7042 %	96.4917 %	101.7806 %	104.0069 %	99.6482 %
Concentration per Run	0.4733 ppm	101.7737 %	104.7123 %	95.8568 %	101.1832 %	103.8994 %	99.6426 %
Recovery Percentage	94.093 %						
Concentration RSD	0.5 %	0.5 %	0.6 %	0.5 %	0.5 %	0.3 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/12/2025 12:19:37 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0046 ppm	-0.0006 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0150 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	-0.0035 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0147 ppm
Concentration per Run	-0.0004 ppm	0.0051 ppm	-0.0010 ppm	-0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0159 ppm
Concentration per Run	0.0001 ppm	0.0053 ppm	-0.0005 ppm	-0.0005 ppm	0.0002 ppm	0.0001 ppm	0.0145 ppm
Recovery Percentage	-3.965 %	4.628 %	-11.430 %	-0.887 %	1.423 %	1.943 %	15.034 %
Concentration RSD	122.6 %	20.6 %	73.5 %	327.8 %	65.8 %	13.5 %	4.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0002 ppm	0.0003 ppm	-0.0002 ppm	0.0124 ppm	0.0861 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	-0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0124 ppm	0.0905 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0126 ppm	0.0793 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0005 ppm	-0.0005 ppm	0.0121 ppm	0.0884 ppm	-0.0009 ppm
Recovery Percentage	4.556 %	1.718 %	2.904 %	-2.233 %	24.714 %	3.443 %	-2.517 %
Concentration RSD	15.1 %	209.1 %	59.4 %	98.8 %	1.8 %	7.0 %	244.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0052 ppm	0.0003 ppm	0.0033 ppm	0.0169 ppm	0.0005 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run	0.0038 ppm	0.0004 ppm	0.0031 ppm	0.0166 ppm	0.0002 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run	0.0050 ppm	0.0005 ppm	0.0036 ppm	0.0171 ppm	0.0004 ppm	0.0002 ppm	0.0008 ppm
Concentration per Run	0.0069 ppm	0.0002 ppm	0.0031 ppm	0.0171 ppm	0.0008 ppm	0.0000 ppm	0.0004 ppm
Recovery Percentage	5.222 %	3.489 %	6.547 %	0.847 %	1.853 %	1.116 %	1.671 %
Concentration RSD	29.6 %	38.5 %	7.8 %	1.6 %	66.7 %	93.2 %	50.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	0.0014 ppm	0.0012 ppm	0.0001 ppm	0.0015 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	0.0037 ppm	0.0019 ppm	0.0005 ppm	0.0001 ppm	0.0014 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	0.0034 ppm	0.0016 ppm	0.0016 ppm	0.0001 ppm	0.0015 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run	0.0060 ppm	0.0009 ppm	0.0016 ppm	0.0001 ppm	0.0015 ppm	0.0004 ppm	-0.0001 ppm
Recovery Percentage	43.709 %	0.289 %	2.482 %	1.332 %	14.765 %	3.756 %	0.742 %
Concentration RSD	32.4 %	37.2 %	53.1 %	12.1 %	6.5 %	81.6 %	263.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	100.2700 %	102.5153 %	98.0411 %	102.0885 %	103.1029 %	99.8229 %
Concentration per Run	0.0003 ppm	100.0098 %	101.6424 %	98.3985 %	102.1738 %	103.6082 %	100.2883 %
Concentration per Run	0.0004 ppm	100.1381 %	97.8349 %	97.8349 %	101.8419 %	103.2328 %	99.3860 %
Concentration per Run	0.0004 ppm	100.6620 %	102.5909 %	97.8900 %	102.2497 %	102.4678 %	99.7944 %
Recovery Percentage	7.577 %						
Concentration RSD	16.9 %	0.3 %	0.8 %	0.3 %	0.2 %	0.6 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555950-03d2 WG2111592

Analysis started at: 9/12/2025 12:23:04 AM

Rack 2

Vial 57

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0017 ppm	256.811 ppm	0.0683 ppm	0.1399 ppm	1.2972 ppm	0.0093 ppm	46.0297 ppm
Concentration per Run	0.0014 ppm	256.2255 ppm	0.0661 ppm	0.1391 ppm	1.2963 ppm	0.0092 ppm	45.8158 ppm
Concentration per Run	0.0021 ppm	258.5514 ppm	0.0686 ppm	0.1386 ppm	1.3050 ppm	0.0094 ppm	46.5405 ppm
Concentration per Run	0.0017 ppm	255.6563 ppm	0.0703 ppm	0.1420 ppm	1.2903 ppm	0.0093 ppm	45.7329 ppm
Concentration RSD	20.0 %	0.6 %	3.1 %	1.3 %	0.6 %	1.1 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.1471 ppm	0.3684 ppm	0.3182 ppm	201.7740 ppm	108.9249 ppm	0.4249 ppm
Concentration per Run	0.0009 ppm	0.1473 ppm	0.3677 ppm	0.3182 ppm	201.7724 ppm	108.2973 ppm	0.4228 ppm
Concentration per Run	0.0009 ppm	0.1463 ppm	0.3676 ppm	0.3162 ppm	203.6913 ppm	109.9545 ppm	0.4260 ppm
Concentration per Run	0.0008 ppm	0.1478 ppm	0.3697 ppm	0.3201 ppm	200.3883 ppm	108.5230 ppm	0.4259 ppm
Concentration RSD	3.0 %	0.5 %	0.3 %	0.6 %	0.9 %	0.8 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	114.6093 ppm	5.7353 ppm	0.0036 ppm	115.2320 ppm	0.2332 ppm	0.2574 ppm	-0.0029 ppm
Concentration per Run	114.3911 ppm	5.7121 ppm	0.0036 ppm	114.4610 ppm	0.2323 ppm	0.2570 ppm	-0.0027 ppm
Concentration per Run	114.5882 ppm	5.7907 ppm	0.0037 ppm	115.8603 ppm	0.2319 ppm	0.2586 ppm	-0.0046 ppm
Concentration per Run	114.8486 ppm	5.7032 ppm	0.0033 ppm	115.3746 ppm	0.2353 ppm	0.2565 ppm	-0.0013 ppm
Concentration RSD	0.2 %	0.8 %	5.3 %	0.6 %	0.8 %	0.4 %	57.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0020 ppm	18.7822 ppm	0.0110 ppm	0.3542 ppm	10.8937 ppm	0.0076 ppm	0.4019 ppm
Concentration per Run	-0.0019 ppm	18.8882 ppm	0.0109 ppm	0.3526 ppm	10.9002 ppm	0.0082 ppm	0.4017 ppm
Concentration per Run	-0.0020 ppm	18.6000 ppm	0.0105 ppm	0.3553 ppm	10.8591 ppm	0.0071 ppm	0.4010 ppm
Concentration per Run	-0.0022 ppm	18.5583 ppm	0.0116 ppm	0.3548 ppm	10.9217 ppm	0.0074 ppm	0.4031 ppm
Concentration RSD	8.1 %	0.8 %	5.2 %	0.4 %	0.3 %	7.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5882 ppm	99.8887 %	109.9851 %	76.1325 %	113.3169 %	129.3495 %	114.1941 %
Concentration per Run	0.5860 ppm	100.0185 %	110.1223 %	75.9774 %	113.7996 %	128.3828 %	114.0211 %
Concentration per Run	0.5866 ppm	99.9905 %	108.4970 %	75.6868 %	112.9452 %	128.2597 %	113.9539 %
Concentration per Run	0.5919 ppm	99.6570 %	111.3359 %	76.7333 %	113.2058 %	131.4059 %	114.6074 %
Concentration RSD	0.6 %	0.2 %	1.3 %	0.7 %	0.4 %	1.4 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555950-04d2 WG2111592

Analysis started at: 9/12/2025 12:26:32 AM

Rack 2

Vial 58

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0017 ppm	215.9660 ppm	0.0749 ppm	0.0585 ppm	0.8684 ppm	0.0121 ppm	35.6109 ppm
Concentration per Run	0.0018 ppm	215.6940 ppm	0.0756 ppm	0.0587 ppm	0.8649 ppm	0.0122 ppm	35.8975 ppm
Concentration per Run	0.0018 ppm	216.6168 ppm	0.0748 ppm	0.0580 ppm	0.8688 ppm	0.0120 ppm	35.4999 ppm
Concentration per Run	0.0015 ppm	215.5873 ppm	0.0744 ppm	0.0588 ppm	0.8714 ppm	0.0120 ppm	35.4353 ppm
Concentration RSD	9.2 %	0.3 %	0.8 %	0.8 %	0.4 %	1.0 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.1185 ppm	0.1185 ppm	0.3769 ppm	240.2718 ppm	96.0890 ppm	0.4369 ppm
Concentration per Run	0.0010 ppm	0.1173 ppm	0.5569 ppm	0.3766 ppm	240.9153 ppm	95.3893 ppm	0.4378 ppm
Concentration per Run	0.0010 ppm	0.1197 ppm	0.5599 ppm	0.3762 ppm	239.4543 ppm	96.5457 ppm	0.4370 ppm
Concentration per Run	0.0009 ppm	0.1185 ppm	0.5591 ppm	0.3780 ppm	240.4456 ppm	96.3319 ppm	0.4359 ppm
Concentration RSD	8.8 %	1.0 %	0.3 %	0.2 %	0.3 %	0.6 %	0.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	145.4146 ppm	5.4139 ppm	0.0034 ppm	20.9325 ppm	0.2558 ppm	0.1185 ppm	-0.0001 ppm
Concentration per Run	144.3580 ppm	5.4185 ppm	0.0035 ppm	20.9673 ppm	0.2548 ppm	0.1185 ppm	0.0017 ppm
Concentration per Run	147.1349 ppm	5.4217 ppm	0.0034 ppm	20.9839 ppm	0.2571 ppm	0.1185 ppm	0.0013 ppm
Concentration per Run	144.7510 ppm	5.4016 ppm	0.0034 ppm	20.8464 ppm	0.2556 ppm	0.1186 ppm	-0.0032 ppm
Concentration RSD	1.0 %	0.2 %	2.2 %	0.4 %	0.5 %	0.0 %	4.779.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0049 ppm	4.3189 ppm	0.0101 ppm	0.2748 ppm	11.9693 ppm	0.0092 ppm	0.5632 ppm
Concentration per Run	-0.0028 ppm	4.2755 ppm	0.0101 ppm	0.2753 ppm	11.9853 ppm	0.0100 ppm	0.5604 ppm
Concentration per Run	-0.0060 ppm	4.3247 ppm	0.0104 ppm	0.2728 ppm	11.9664 ppm	0.0081 ppm	0.5643 ppm
Concentration per Run	-0.0059 ppm	4.3566 ppm	0.0096 ppm	0.2764 ppm	11.9561 ppm	0.0096 ppm	0.5648 ppm
Concentration RSD	37.5 %	0.9 %	3.8 %	0.7 %	0.1 %	11.0 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6985 ppm	105.9290 %	115.2398 %	79.1189 %	119.8149 %	133.6336 %	119.7720 %
Concentration per Run	0.6921 ppm	106.5379 %	114.5431 %	79.1506 %	120.1125 %	134.1432 %	119.5662 %
Concentration per Run	0.7068 ppm	105.5217 %	115.6280 %	79.3648 %	119.1381 %	133.2421 %	120.2091 %
Concentration per Run	0.6967 ppm	105.7275 %	115.5484 %	78.8413 %	120.1943 %	133.5157 %	119.5407 %
Concentration RSD	1.1 %	0.5 %	0.5 %	0.3 %	0.5 %	0.3 %	0.3 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555950-05d2 WG2111592

Analysis started at: 9/12/2025 12:30:00 AM

Rack 2

Vial 59

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0012 ppm	90.4115 ppm	0.0045 ppm	0.0204 ppm	0.1210 ppm	0.0008 ppm	52.6772 ppm
Concentration per Run	0.0012 ppm	90.0166 ppm	0.0050 ppm	0.0212 ppm	0.1207 ppm	0.0008 ppm	52.6031 ppm
Concentration per Run	0.0014 ppm	90.5917 ppm	0.0043 ppm	0.0198 ppm	0.1214 ppm	0.0008 ppm	52.4300 ppm
Concentration per Run	0.0010 ppm	90.6262 ppm	0.0043 ppm	0.0202 ppm	0.1209 ppm	0.0007 ppm	52.9985 ppm
Concentration RSD	16.2 %	0.4 %	9.1 %	3.5 %	0.3 %	3.4 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0724 ppm	0.1477 ppm	0.4684 ppm	103.1551 ppm	6.9004 ppm	0.0533 ppm
Concentration per Run	0.0001 ppm	0.0721 ppm	0.1472 ppm	0.4678 ppm	103.0462 ppm	6.8802 ppm	0.0538 ppm
Concentration per Run	0.0001 ppm	0.0731 ppm	0.1482 ppm	0.4671 ppm	102.9080 ppm	6.9295 ppm	0.0538 ppm
Concentration per Run	0.0000 ppm	0.0720 ppm	0.1476 ppm	0.4704 ppm	103.5110 ppm	6.8915 ppm	0.0524 ppm
Concentration RSD	149.5 %	0.8 %	0.3 %	0.4 %	0.3 %	0.4 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	64.4368 ppm	1.1112 ppm	0.0001 ppm	11.7984 ppm	0.1474 ppm	0.0040 ppm	0.0013 ppm
Concentration per Run	64.4217 ppm	1.1089 ppm	-0.0001 ppm	11.7191 ppm	0.1476 ppm	0.0036 ppm	0.0001 ppm
Concentration per Run	64.8601 ppm	1.1075 ppm	0.0002 ppm	11.9452 ppm	0.1484 ppm	0.0046 ppm	0.0036 ppm
Concentration per Run	64.0287 ppm	1.1172 ppm	0.0001 ppm	11.7307 ppm	0.1461 ppm	0.0038 ppm	0.0003 ppm
Concentration RSD	0.6 %	0.5 %	228.0 %	1.1 %	0.8 %	13.7 %	145.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0001 ppm	3.2512 ppm	0.0046 ppm	0.3252 ppm	1.6207 ppm	0.0005 ppm	0.1639 ppm
Concentration per Run	-0.0004 ppm	3.2418 ppm	0.0048 ppm	0.3276 ppm	1.6248 ppm	0.0013 ppm	0.1640 ppm
Concentration per Run	0.0012 ppm	3.2455 ppm	0.0040 ppm	0.3285 ppm	1.6264 ppm	0.0002 ppm	0.1642 ppm
Concentration per Run	-0.0011 ppm	3.2662 ppm	0.0048 ppm	0.3195 ppm	1.6109 ppm	0.0001 ppm	0.1635 ppm
Concentration RSD	1,026.1 %	0.4 %	9.8 %	1.5 %	0.5 %	113.8 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1477 ppm	99.0562 %	105.2658 %	86.5762 %	101.0609 %	109.3721 %	100.8397 %
Concentration per Run	0.1480 ppm	99.2663 %	105.2436 %	86.8167 %	101.3881 %	109.1553 %	101.1432 %
Concentration per Run	0.1485 ppm	98.9563 %	105.9833 %	86.8951 %	101.3029 %	110.9543 %	100.9460 %
Concentration per Run	0.1466 ppm	98.9459 %	104.5707 %	86.0168 %	100.5115 %	108.0066 %	100.4299 %
Concentration RSD	0.7 %	0.2 %	0.7 %	0.6 %	0.5 %	1.4 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555950-06d2 WG2111592

Analysis started at: 9/12/2025 12:33:28 AM

Rack 2

Vial 60

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0017 ppm	171.6191 ppm	0.0073 ppm	0.0297 ppm	0.2548 ppm	0.0019 ppm	94.8295 ppm
Concentration per Run	0.0015 ppm	172.2426 ppm	0.0079 ppm	0.0304 ppm	0.2525 ppm	0.0019 ppm	96.0482 ppm
Concentration per Run	0.0016 ppm	170.6267 ppm	0.0087 ppm	0.0304 ppm	0.2574 ppm	0.0019 ppm	93.6920 ppm
Concentration per Run	0.0019 ppm	171.9880 ppm	0.0054 ppm	0.0284 ppm	0.2545 ppm	0.0018 ppm	94.7483 ppm
Concentration RSD	13.3 %	0.5 %	23.5 %	3.9 %	1.0 %	1.9 %	1.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.1445 ppm	0.2777 ppm	0.7352 ppm	189.3695 ppm	17.5423 ppm	0.1103 ppm
Concentration per Run	-0.0001 ppm	0.1438 ppm	0.2776 ppm	0.7385 ppm	191.0626 ppm	17.5744 ppm	0.1114 ppm
Concentration per Run	-0.0002 ppm	0.1458 ppm	0.2797 ppm	0.7370 ppm	188.1571 ppm	17.5534 ppm	0.1094 ppm
Concentration per Run	0.0000 ppm	0.1437 ppm	0.2758 ppm	0.7301 ppm	188.8889 ppm	17.4993 ppm	0.1101 ppm
Concentration RSD	120.6 %	0.8 %	0.7 %	0.6 %	0.8 %	0.2 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	123.0626 ppm	2.0308 ppm	0.0028 ppm	23.8772 ppm	0.2796 ppm	0.0057 ppm	-0.0021 ppm
Concentration per Run	122.9022 ppm	2.0422 ppm	0.0032 ppm	23.8177 ppm	0.2791 ppm	0.0056 ppm	-0.0053 ppm
Concentration per Run	124.3319 ppm	2.0187 ppm	0.0024 ppm	23.8218 ppm	0.2808 ppm	0.0067 ppm	-0.0023 ppm
Concentration per Run	121.9536 ppm	2.0313 ppm	0.0027 ppm	23.9922 ppm	0.2788 ppm	0.0048 ppm	0.0013 ppm
Concentration RSD	1.0 %	0.6 %	14.0 %	0.4 %	0.4 %	17.0 %	160.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0014 ppm	5.3015 ppm	0.0044 ppm	0.6197 ppm	2.7759 ppm	0.0020 ppm	0.3498 ppm
Concentration per Run	-0.0006 ppm	5.3226 ppm	0.0040 ppm	0.6184 ppm	2.7773 ppm	0.0029 ppm	0.3501 ppm
Concentration per Run	-0.0029 ppm	5.3371 ppm	0.0037 ppm	0.6244 ppm	2.7810 ppm	-0.0001 ppm	0.3510 ppm
Concentration per Run	-0.0009 ppm	5.2447 ppm	0.0053 ppm	0.6163 ppm	2.7693 ppm	0.0033 ppm	0.3484 ppm
Concentration RSD	87.5 %	0.9 %	19.0 %	0.7 %	0.2 %	91.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2328 ppm	98.5988 %	105.4747 %	82.7625 %	103.0278 %	112.2359 %	102.4719 %
Concentration per Run	0.2318 ppm	98.6364 %	104.6393 %	82.3930 %	103.3228 %	112.4841 %	102.1475 %
Concentration per Run	0.2349 ppm	98.1125 %	106.4541 %	82.9952 %	102.8200 %	112.0511 %	102.9634 %
Concentration per Run	0.2317 ppm	99.0476 %	105.3306 %	82.8993 %	102.9406 %	112.1726 %	102.3050 %
Concentration RSD	0.8 %	0.5 %	0.9 %	0.4 %	0.3 %	0.2 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555950-07d2 WG2111592

Analysis started at: 9/12/2025 12:36:56 AM

Rack 3

Vial 1

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0023 ppm	298.9139 ppm	0.1399 ppm	0.1671 ppm	1.6839 ppm	0.0129 ppm	49.1230 ppm
Concentration per Run	0.0026 ppm	300.4441 ppm	0.1400 ppm	0.1672 ppm	1.6994 ppm	0.0128 ppm	49.1847 ppm
Concentration per Run	0.0022 ppm	296.6309 ppm	0.1400 ppm	0.1665 ppm	1.6774 ppm	0.0128 ppm	48.9059 ppm
Concentration per Run	0.0022 ppm	299.6668 ppm	0.1396 ppm	0.1675 ppm	1.6748 ppm	0.0130 ppm	49.2785 ppm
Concentration RSD	8.6 %	0.7 %	0.2 %	0.3 %	0.8 %	0.6 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.1049 ppm	0.3754 ppm	0.4290 ppm	229.0659 ppm	174.6227 ppm	0.6030 ppm
Concentration per Run	0.0008 ppm	0.1050 ppm	0.3750 ppm	0.4301 ppm	229.9925 ppm	175.0054 ppm	0.6041 ppm
Concentration per Run	0.0008 ppm	0.1057 ppm	0.3740 ppm	0.4277 ppm	228.0224 ppm	174.1706 ppm	0.5998 ppm
Concentration per Run	0.0006 ppm	0.1039 ppm	0.3772 ppm	0.4291 ppm	229.1829 ppm	174.6921 ppm	0.6052 ppm
Concentration RSD	14.2 %	0.9 %	0.4 %	0.3 %	0.4 %	0.2 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	109.7442 ppm	4.0988 ppm	0.0061 ppm	149.6721 ppm	0.2412 ppm	0.0812 ppm	-0.0011 ppm
Concentration per Run	109.6387 ppm	4.1121 ppm	0.0061 ppm	150.1215 ppm	0.2408 ppm	0.0816 ppm	-0.0020 ppm
Concentration per Run	109.7095 ppm	4.0713 ppm	0.0062 ppm	148.6032 ppm	0.2406 ppm	0.0833 ppm	-0.0037 ppm
Concentration per Run	109.8845 ppm	4.1129 ppm	0.0059 ppm	150.2916 ppm	0.2422 ppm	0.0787 ppm	0.0025 ppm
Concentration RSD	0.1 %	0.6 %	2.1 %	0.6 %	0.4 %	2.9 %	294.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0027 ppm	13.6736 ppm	0.0108 ppm	0.3738 ppm	14.0303 ppm	0.0130 ppm	0.5428 ppm
Concentration per Run	-0.0010 ppm	13.6099 ppm	0.0113 ppm	0.3749 ppm	14.0470 ppm	0.0135 ppm	0.5421 ppm
Concentration per Run	-0.0039 ppm	13.6467 ppm	0.0103 ppm	0.3718 ppm	14.0094 ppm	0.0113 ppm	0.5438 ppm
Concentration per Run	-0.0032 ppm	13.7642 ppm	0.0109 ppm	0.3747 ppm	14.0346 ppm	0.0143 ppm	0.5426 ppm
Concentration RSD	55.2 %	0.6 %	4.6 %	0.5 %	0.1 %	12.0 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5826 ppm	99.9120 %	110.8160 %	73.1591 %	115.9807 %	132.6261 %	117.6783 %
Concentration per Run	0.5836 ppm	100.0721 %	111.1014 %	72.9251 %	115.5644 %	132.8421 %	117.2901 %
Concentration per Run	0.5812 ppm	99.9271 %	111.0553 %	72.7367 %	116.0473 %	131.7425 %	117.2695 %
Concentration per Run	0.5829 ppm	99.7368 %	110.2914 %	73.8157 %	116.3303 %	133.2936 %	118.4753 %
Concentration RSD	0.2 %	0.2 %	0.4 %	0.8 %	0.3 %	0.6 %	0.6 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: L2555950-0842 WG2111592

Analysis started at: 9/12/2025 12:40:24 AM

Rack 3

Vial 2

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	269.2592 ppm	0.1154 ppm	0.1448 ppm	1.2522 ppm	0.0124 ppm	46.3993 ppm
Concentration per Run	0.0019 ppm	268.1903 ppm	0.1159 ppm	0.1439 ppm	1.2449 ppm	0.0122 ppm	45.9725 ppm
Concentration per Run	0.0018 ppm	269.6608 ppm	0.1152 ppm	0.1441 ppm	1.2565 ppm	0.0126 ppm	46.9160 ppm
Concentration per Run	0.0022 ppm	269.9266 ppm	0.1151 ppm	0.1465 ppm	1.2553 ppm	0.0124 ppm	46.3093 ppm
Concentration RSD	10.4 %	0.3 %	0.4 %	1.0 %	0.5 %	1.3 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0931 ppm	0.3434 ppm	0.4932 ppm	211.4711 ppm	162.7687 ppm	0.5868 ppm
Concentration per Run	0.0006 ppm	0.0927 ppm	0.3441 ppm	0.4942 ppm	209.7293 ppm	161.5002 ppm	0.5837 ppm
Concentration per Run	0.0009 ppm	0.0936 ppm	0.3436 ppm	0.4932 ppm	213.1620 ppm	163.3803 ppm	0.5888 ppm
Concentration per Run	0.0009 ppm	0.0930 ppm	0.3426 ppm	0.4921 ppm	211.5221 ppm	163.4255 ppm	0.5880 ppm
Concentration RSD	18.0 %	0.5 %	0.2 %	0.2 %	0.8 %	0.7 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	102.7641 ppm	3.7627 ppm	0.0029 ppm	131.3608 ppm	0.2188 ppm	0.0825 ppm	-0.0021 ppm
Concentration per Run	102.6820 ppm	3.7378 ppm	0.0025 ppm	130.5307 ppm	0.2187 ppm	0.0822 ppm	-0.0025 ppm
Concentration per Run	103.2268 ppm	3.7894 ppm	0.0033 ppm	131.5136 ppm	0.2195 ppm	0.0826 ppm	-0.0019 ppm
Concentration per Run	102.3835 ppm	3.7609 ppm	0.0028 ppm	132.0379 ppm	0.2183 ppm	0.0827 ppm	-0.0019 ppm
Concentration RSD	0.4 %	0.7 %	13.2 %	0.6 %	0.3 %	0.4 %	17.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0023 ppm	13.3934 ppm	0.0100 ppm	0.3270 ppm	13.4442 ppm	0.0126 ppm	0.5125 ppm
Concentration per Run	-0.0005 ppm	13.5042 ppm	0.0102 ppm	0.3252 ppm	13.4294 ppm	0.0117 ppm	0.5137 ppm
Concentration per Run	-0.0043 ppm	13.4032 ppm	0.0089 ppm	0.3293 ppm	13.4475 ppm	0.0106 ppm	0.5141 ppm
Concentration per Run	-0.0022 ppm	13.2730 ppm	0.0107 ppm	0.3265 ppm	13.4559 ppm	0.0156 ppm	0.5098 ppm
Concentration RSD	82.0 %	0.9 %	9.2 %	0.6 %	0.1 %	20.7 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5507 ppm	99.8779 %	109.1859 %	73.7151 %	115.6901 %	131.4251 %	116.8495 %
Concentration per Run	0.5517 ppm	99.8055 %	110.3797 %	73.0326 %	115.9022 %	131.8958 %	116.1853 %
Concentration per Run	0.5522 ppm	99.4780 %	108.0673 %	74.0514 %	115.4554 %	131.0684 %	117.3445 %
Concentration per Run	0.5481 ppm	100.3503 %	109.1107 %	74.0613 %	115.7127 %	131.3111 %	117.0187 %
Concentration RSD	0.4 %	0.4 %	1.1 %	0.8 %	0.2 %	0.3 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCV
Analysis started at: 9/12/2025 12:43:52 AM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4781 ppm	0.4957 ppm	0.4701 ppm	0.4746 ppm	0.4881 ppm	0.4939 ppm	0.4806 ppm
Concentration per Run	0.4789 ppm	0.4988 ppm	0.4715 ppm	0.4756 ppm	0.4898 ppm	0.4951 ppm	0.4818 ppm
Concentration per Run	0.4790 ppm	0.4920 ppm	0.4680 ppm	0.4772 ppm	0.4883 ppm	0.4908 ppm	0.4754 ppm
Concentration per Run	0.4765 ppm	0.4962 ppm	0.4709 ppm	0.4709 ppm	0.4862 ppm	0.4959 ppm	0.4846 ppm
Recovery Percentage	95.619 %	99.137 %	94.027 %	94.027 %	97.619 %	98.787 %	96.121 %
Concentration RSD	0.3 %	0.7 %	0.4 %	0.7 %	0.4 %	0.6 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4792 ppm	0.4835 ppm	0.4841 ppm	0.4936 ppm	0.5129 ppm	5.2691 ppm	0.5247 ppm
Concentration per Run	0.4760 ppm	0.4831 ppm	0.4832 ppm	0.4942 ppm	0.5166 ppm	5.3145 ppm	0.5242 ppm
Concentration per Run	0.4821 ppm	0.4846 ppm	0.4843 ppm	0.4974 ppm	0.5085 ppm	5.2176 ppm	0.5229 ppm
Concentration per Run	0.4796 ppm	0.4828 ppm	0.4891 ppm	0.4850 ppm	0.5137 ppm	5.2751 ppm	0.5269 ppm
Recovery Percentage	95.847 %	96.698 %	96.827 %	98.711 %	102.588 %	105.381 %	104.932 %
Concentration RSD	0.6 %	0.2 %	0.2 %	0.8 %	0.8 %	0.9 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4930 ppm	0.4883 ppm	0.4744 ppm	10.1591 ppm	0.4883 ppm	0.4819 ppm	0.4963 ppm
Concentration per Run	0.4904 ppm	0.4895 ppm	0.4711 ppm	10.1838 ppm	0.4793 ppm	0.4793 ppm	0.4968 ppm
Concentration per Run	0.4946 ppm	0.4850 ppm	0.4757 ppm	10.0871 ppm	0.4833 ppm	0.4833 ppm	0.5010 ppm
Concentration per Run	0.4940 ppm	0.4902 ppm	0.4764 ppm	10.2065 ppm	0.4890 ppm	0.4830 ppm	0.4910 ppm
Recovery Percentage	98.604 %	97.652 %	94.889 %	101.591 %	97.665 %	96.373 %	99.253 %
Concentration RSD	0.5 %	0.6 %	0.6 %	0.6 %	0.3 %	0.5 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4649 ppm	5.1642 ppm	0.4798 ppm	0.4997 ppm	0.4999 ppm	0.4919 ppm	0.4910 ppm
Concentration per Run	0.4636 ppm	5.1311 ppm	0.4804 ppm	0.4990 ppm	0.5001 ppm	0.4904 ppm	0.4899 ppm
Concentration per Run	0.4620 ppm	5.2027 ppm	0.4805 ppm	0.5007 ppm	0.4978 ppm	0.4927 ppm	0.4923 ppm
Concentration per Run	0.4692 ppm	5.1588 ppm	0.4786 ppm	0.4994 ppm	0.5019 ppm	0.4927 ppm	0.4906 ppm
Recovery Percentage	92.989 %	98.365 %	95.963 %	99.937 %	99.984 %	98.388 %	98.191 %
Concentration RSD	0.8 %	0.7 %	0.2 %	0.2 %	0.4 %	0.3 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4691 ppm	101.1096 %	104.2585 %	96.0533 %	100.8734 %	102.7565 %	99.1580 %
Concentration per Run	0.4684 ppm	101.4658 %	103.9997 %	96.5790 %	100.9475 %	102.4091 %	99.3988 %
Concentration per Run	0.4678 ppm	100.5534 %	105.1287 %	95.7963 %	100.5515 %	103.2641 %	98.9065 %
Concentration per Run	0.4713 ppm	101.3097 %	103.6471 %	95.7846 %	101.1212 %	102.5964 %	99.1689 %
Recovery Percentage	93.829 %						
Concentration RSD	0.4 %	0.5 %	0.7 %	0.5 %	0.3 %	0.4 %	0.2 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/12/2025 12:47:19 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0150 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0137 ppm
Concentration per Run	0.0001 ppm	0.0147 ppm	0.0003 ppm	0.0005 ppm	0.0003 ppm	0.0001 ppm	0.0139 ppm
Concentration per Run	0.0000 ppm	0.0174 ppm	-0.0001 ppm	-0.0013 ppm	0.0003 ppm	0.0001 ppm	0.0147 ppm
Concentration per Run	0.0001 ppm	0.0130 ppm	-0.0001 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	0.0124 ppm
Recovery Percentage	1.390 %	15.017 %	1.264 %	0.001 %	2.361 %	2.046 %	13.685 %
Concentration RSD	44.3 %	14.7 %	358.1 %	327.7154 %	12.8 %	7.9 %	8.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	-0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0191 ppm	0.1888 ppm	-0.0002 ppm
Concentration per Run	0.0002 ppm	-0.0004 ppm	0.0001 ppm	-0.0001 ppm	0.0199 ppm	0.1873 ppm	-0.0005 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0182 ppm	0.1907 ppm	0.0008 ppm
Concentration per Run	0.0003 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0191 ppm	0.1884 ppm	-0.0009 ppm
Recovery Percentage	5.119 %	-1.489 %	2.766 %	0.226 %	38.110 %	7.552 %	-1.873 %
Concentration RSD	24.3 %	159.5 %	75.2 %	373.1 %	4.6 %	0.9 %	464.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-eUV)
Concentration average	0.0072 ppm	0.0004 ppm	0.0031 ppm	0.0359 ppm	0.0003 ppm	0.0005 ppm	0.0005 ppm
Concentration per Run	0.0062 ppm	0.0004 ppm	0.0032 ppm	0.0368 ppm	0.0002 ppm	0.0007 ppm	0.0004 ppm
Concentration per Run	0.0072 ppm	0.0004 ppm	0.0032 ppm	0.0357 ppm	0.0003 ppm	0.0005 ppm	-0.0009 ppm
Concentration per Run	0.0081 ppm	0.0004 ppm	0.0028 ppm	0.0352 ppm	0.0004 ppm	0.0003 ppm	0.0018 ppm
Recovery Percentage	7.175 %	4.093 %	6.109 %	1.795 %	1.296 %	4.849 %	0.931 %
Concentration RSD	13.6 %	9.1 %	7.4 %	2.2 %	36.9 %	34.0 %	287.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	0.0050 ppm	0.0011 ppm	0.0001 ppm	0.0018 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0036 ppm	0.0045 ppm	0.0010 ppm	0.0001 ppm	0.0015 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0022 ppm	0.0049 ppm	0.0009 ppm	0.0002 ppm	0.0019 ppm	0.0017 ppm	0.0002 ppm
Concentration per Run	0.0016 ppm	0.0055 ppm	0.0014 ppm	0.0001 ppm	0.0020 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage	24.624 %	0.993 %	2.209 %	1.443 %	18.007 %	4.656 %	1.266 %
Concentration RSD	42.0 %	9.8 %	27.0 %	32.8 %	13.8 %	93.4 %	34.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	102.1895 %	104.3382 %	99.1854 %	103.4373 %	104.5594 %	101.1419 %
Concentration per Run	0.0003 ppm	102.0862 %	104.6762 %	99.5633 %	103.4612 %	103.8088 %	101.6161 %
Concentration per Run	0.0002 ppm	102.3292 %	102.5063 %	99.3838 %	103.2397 %	104.2835 %	100.9011 %
Concentration per Run	0.0001 ppm	102.1530 %	105.8321 %	98.6091 %	103.6111 %	105.5859 %	100.9086 %
Recovery Percentage	4.232 %						
Concentration RSD	51.0 %	0.1 %	1.6 %	0.5 %	0.2 %	0.9 %	0.4 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

CCV

Sample:

Analysis started at: 9/12/2025 12:50:47 AM

Rack

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4717 ppm	0.4806 ppm	0.4634 ppm	0.4651 ppm	0.4846 ppm	0.4925 ppm	0.4735 ppm
Concentration per Run	0.4722 ppm	0.4788 ppm	0.4625 ppm	0.4663 ppm	0.4825 ppm	0.4883 ppm	0.4691 ppm
Concentration per Run	0.4737 ppm	0.4848 ppm	0.4621 ppm	0.4650 ppm	0.4889 ppm	0.4929 ppm	0.4728 ppm
Concentration per Run	0.4693 ppm	0.4781 ppm	0.4656 ppm	0.4641 ppm	0.4822 ppm	0.4964 ppm	0.4795 ppm
Recovery Percentage	94.343 %	96.115 %	92.679 %	93.024 %	96.911 %	98.508 %	94.762 %
Concentration RSD	0.5 %	0.8 %	0.4 %	0.2 %	0.8 %	0.8 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4691 ppm	0.4794 ppm	0.4763 ppm	0.4891 ppm	0.4886 ppm	5.1515 ppm	0.5203 ppm
Concentration per Run	0.4730 ppm	0.4829 ppm	0.4787 ppm	0.4866 ppm	0.4836 ppm	5.1128 ppm	0.5120 ppm
Concentration per Run	0.4669 ppm	0.4783 ppm	0.4754 ppm	0.4918 ppm	0.4928 ppm	5.1982 ppm	0.5308 ppm
Concentration per Run	0.4675 ppm	0.4769 ppm	0.4748 ppm	0.4891 ppm	0.4895 ppm	5.1435 ppm	0.5179 ppm
Recovery Percentage	93.828 %	95.876 %	95.262 %	97.829 %	97.729 %	103.029 %	104.051 %
Concentration RSD	0.7 %	0.7 %	0.4 %	0.5 %	1.0 %	0.8 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4745 ppm	0.4867 ppm	0.4675 ppm	10.0978 ppm	0.4806 ppm	0.4772 ppm	0.4875 ppm
Concentration per Run	0.4779 ppm	0.4821 ppm	0.4658 ppm	9.9578 ppm	0.4834 ppm	0.4786 ppm	0.4840 ppm
Concentration per Run	0.4752 ppm	0.4863 ppm	0.4684 ppm	10.2484 ppm	0.4799 ppm	0.4773 ppm	0.4899 ppm
Concentration per Run	0.4708 ppm	0.4916 ppm	0.4683 ppm	10.0872 ppm	0.4785 ppm	0.4756 ppm	0.4885 ppm
Recovery Percentage	94.924 %	97.337 %	93.498 %	100.978 %	96.117 %	95.439 %	97.494 %
Concentration RSD	0.8 %	1.0 %	0.3 %	1.4 %	0.5 %	0.3 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4619 ppm	5.0470 ppm	0.4741 ppm	0.4943 ppm	0.4794 ppm	0.4879 ppm	0.4835 ppm
Concentration per Run	0.4607 ppm	5.0161 ppm	0.4777 ppm	0.4933 ppm	0.4794 ppm	0.4868 ppm	0.4847 ppm
Concentration per Run	0.4630 ppm	5.0627 ppm	0.4725 ppm	0.4965 ppm	0.4802 ppm	0.4862 ppm	0.4834 ppm
Concentration per Run	0.4621 ppm	5.0621 ppm	0.4723 ppm	0.4930 ppm	0.4785 ppm	0.4908 ppm	0.4823 ppm
Recovery Percentage	92.384 %	96.133 %	94.830 %	98.852 %	95.872 %	97.590 %	96.691 %
Concentration RSD	0.3 %	0.5 %	0.6 %	0.4 %	0.2 %	0.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4629 ppm	102.3995 %	104.5692 %	97.0440 %	101.9542 %	100.1581 %
Concentration per Run	0.4694 ppm	101.5237 %	105.7277 %	96.8814 %	100.0536 %	100.2882 %
Concentration per Run	0.4598 ppm	102.6422 %	104.5549 %	97.3989 %	102.5005 %	100.7818 %
Concentration per Run	0.4595 ppm	103.0326 %	103.4249 %	96.8518 %	103.3085 %	99.5604 %
Recovery Percentage	92.581 %					
Concentration RSD	1.2 %	0.8 %	1.1 %	0.3 %	1.7 %	0.5 %

ICP DataTrace 8

9/12/2025 8:25:04 AM



LabBook: WG2113407_09112025T8.imexp

Sample: CCB
Analysis started at: 9/12/2025 12:54:14 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0027 ppm	0.0005 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0077 ppm
Concentration per Run	0.0001 ppm	0.0045 ppm	0.0012 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0086 ppm
Concentration per Run	0.0000 ppm	0.0016 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0074 ppm
Concentration per Run	0.0000 ppm	0.0020 ppm	-0.0003 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0071 ppm
Recovery Percentage	1.021 %	2.724 %	10.742 %	-0.747 %	1.382 %	1.660 %	7.686 %
Concentration RSD	55.9 %	57.7 %	143.1 %	90.7 %	5.5 %	15.0 %	10.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0048 ppm	0.1233 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0044 ppm	0.1306 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0053 ppm	0.1107 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0046 ppm	0.1286 ppm	0.0008 ppm
Recovery Percentage	2.085 %	0.375 %	-1.448 %	9.527 %	4.933 %	2.212 %	246.8 %
Concentration RSD	28.9 %	261.8 %	105.0 %	9.3 %	8.9 %		

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0011 ppm	0.0002 ppm	0.0034 ppm	0.0213 ppm	0.0005 ppm	0.0010 ppm	0.0014 ppm
Concentration per Run	0.0015 ppm	0.0003 ppm	0.0037 ppm	0.0232 ppm	0.0003 ppm	0.0006 ppm	0.0013 ppm
Concentration per Run	0.0005 ppm	0.0002 ppm	0.0034 ppm	0.0214 ppm	0.0005 ppm	0.0006 ppm	0.0006 ppm
Concentration per Run	0.0013 ppm	0.0002 ppm	0.0030 ppm	0.0193 ppm	0.0005 ppm	0.0015 ppm	0.0024 ppm
Recovery Percentage	1.067 %	2.217 %	6.809 %	1.066 %	1.850 %	9.680 %	2.842 %
Concentration RSD	49.4 %	38.1 %	10.2 %	9.1 %	26.9 %	50.8 %	65.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	0.0009 ppm	0.0013 ppm	0.0001 ppm	0.0009 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	0.0031 ppm	0.0014 ppm	0.0016 ppm	0.0002 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run	0.0026 ppm	-0.0008 ppm	0.0008 ppm	0.0001 ppm	0.0010 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run	0.0027 ppm	0.0020 ppm	0.0016 ppm	0.0001 ppm	0.0009 ppm	0.0011 ppm	0.0000 ppm
Recovery Percentage	27.866 %	0.177 %	2.646 %	1.314 %	9.476 %	4.008 %	0.984 %
Concentration RSD	9.3 %	165.6 %	35.9 %	36.4 %	4.6 %	72.9 %	140.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	101.1689 %	102.4610 %	97.5900 %	102.3986 %	102.2996 %	99.4376 %
Concentration per Run	0.0000 ppm	100.8183 %	101.5986 %	97.0656 %	102.5043 %	101.1081 %	99.1005 %
Concentration per Run	0.0001 ppm	101.4654 %	103.6905 %	97.6242 %	102.4861 %	103.6023 %	99.5398 %
Concentration per Run	0.0001 ppm	101.2230 %	102.0939 %	98.0803 %	102.2053 %	102.1883 %	99.6725 %
Recovery Percentage	1.685 %						
Concentration RSD	70.3 %	0.3 %	1.1 %	0.5 %	0.2 %	1.2 %	0.3 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: W G2113404_091125T4.imexp

Sample: Blank JMF Trace4
Analysis started at: 9/11/2025 9:35:41 AM
Comments: <Comment>
Rack: 0
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.1 %	-0.1 %	0.2 %	0.1 %	0.4 %	0.8 %	0.1 %
	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.3 %	-3.5 %	-0.5 %	0.0 %	5.7 %	-0.3 %	-0.2 %
	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.2 %	2.4 %	1.3 %	0.4 %	-0.1 %	0.2 %	-0.2 %
	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.0 %	0.1 %	-0.1 %	-0.2 %	-1.1 %	-0.2 %
	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: ICAI

Analysis started at: 9/11/2025 9:42:02 AM

Comments: <Comment>

Rack: 0

Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0033 ppm	24.9243 ppm	1.0008 ppm	1.0026 ppm	0.9966 ppm	0.9983 ppm	9.9149 ppm
Concentration per Run 2	0.9979 ppm	25.0980 ppm	0.9977 ppm	0.9960 ppm	1.0058 ppm	1.0014 ppm	10.0160 ppm
Concentration per Run 3	0.9988 ppm	24.9777 ppm	1.0015 ppm	1.0013 ppm	0.9976 ppm	1.0003 ppm	10.0691 ppm
Concentration RSD	0.3 %	0.4 %	0.2 %	0.3 %	0.5 %	0.2 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0028 ppm	1.0014 ppm	0.9980 ppm	0.9989 ppm	24.9452 ppm	34.9047 ppm	1.0004 ppm
Concentration per Run 2	0.9958 ppm	0.9975 ppm	1.0025 ppm	1.0022 ppm	25.0221 ppm	35.0794 ppm	1.0050 ppm
Concentration per Run 3	1.0015 ppm	1.0011 ppm	0.9996 ppm	0.9989 ppm	25.0327 ppm	35.0159 ppm	0.9946 ppm
Concentration RSD	0.4 %	0.2 %	0.2 %	0.2 %	0.2 %	0.3 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.0133 ppm	1.0006 ppm	1.0030 ppm	24.9581 ppm	1.0025 ppm	1.0034 ppm	1.0024 ppm
Concentration per Run 2	10.0030 ppm	0.9996 ppm	0.9935 ppm	25.0824 ppm	0.9957 ppm	0.9944 ppm	0.9967 ppm
Concentration per Run 3	9.9837 ppm	0.9998 ppm	1.0036 ppm	24.9596 ppm	1.0018 ppm	1.0023 ppm	1.0010 ppm
Concentration RSD	0.2 %	0.1 %	0.6 %	0.3 %	0.4 %	0.5 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0033 ppm	10.0363 ppm	1.0032 ppm	0.9969 ppm	0.9977 ppm	1.0070 ppm	1.0036 ppm
Concentration per Run 2	0.9935 ppm	9.9421 ppm	0.9958 ppm	1.0065 ppm	1.0025 ppm	0.9938 ppm	0.9996 ppm
Concentration per Run 3	1.0033 ppm	10.0216 ppm	1.0010 ppm	0.9966 ppm	0.9998 ppm	0.9992 ppm	0.9968 ppm
Concentration RSD	0.6 %	0.5 %	0.4 %	0.6 %	0.2 %	0.7 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Sc 361.384 {450} (Axial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Radial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	100.2398 %	97.1346 %	97.9933 %	101.2719 %	92.0685 %	98.0447 %
Concentration per Run 1	1.0032 ppm	100.6850 %	96.9930 %	97.7587 %	101.5950 %	91.7283 %	97.8791 %
Concentration per Run 2	0.9955 ppm	100.1045 %	97.0201 %	98.1124 %	101.3901 %	92.4411 %	97.9466 %
Concentration per Run 3	1.0013 ppm	99.9298 %	97.3906 %	98.1087 %	100.8306 %	92.0359 %	98.3085 %
Concentration RSD	0.4 %	0.4 %	0.2 %	0.2 %	0.4 %	0.4 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

ICV

Sample: Analysis started at: 9/11/2025 9:47:59 AM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4980 ppm	0.4942 ppm	0.4893 ppm	0.4768 ppm	0.4920 ppm	0.5053 ppm	0.5083 ppm
Concentration per Run 1	0.4999 ppm	0.4933 ppm	0.4907 ppm	0.4777 ppm	0.4902 ppm	0.5035 ppm	0.5045 ppm
Concentration per Run 2	0.4953 ppm	0.4966 ppm	0.4882 ppm	0.4758 ppm	0.4952 ppm	0.5071 ppm	0.5101 ppm
Concentration per Run 3	0.4987 ppm	0.4928 ppm	0.4890 ppm	0.4769 ppm	0.4907 ppm	0.5054 ppm	0.5102 ppm
Recovery Percentage 1	99.599 %	98.850 %	97.860 %	95.359 %	98.403 %	101.065 %	101.660 %
Concentration RSD	0.5 %	0.4 %	0.3 %	0.2 %	0.6 %	0.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4839 ppm	0.4928 ppm	0.5036 ppm	0.5042 ppm	0.5094 ppm	5.2213 ppm	0.5100 ppm
Concentration per Run 1	0.4846 ppm	0.4933 ppm	0.5033 ppm	0.5066 ppm	0.5048 ppm	5.1655 ppm	0.5087 ppm
Concentration per Run 2	0.4825 ppm	0.4925 ppm	0.5052 ppm	0.5042 ppm	0.5118 ppm	5.2426 ppm	0.5134 ppm
Concentration per Run 3	0.4846 ppm	0.4925 ppm	0.5024 ppm	0.5019 ppm	0.5116 ppm	5.2558 ppm	0.5079 ppm
Recovery Percentage 1	96.776 %	98.553 %	100.727 %	100.841 %	101.875 %	104.426 %	102.001 %
Concentration RSD	0.3 %	0.1 %	0.3 %	0.5 %	0.8 %	0.9 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5160 ppm	0.5108 ppm	0.4794 ppm	10.0549 ppm	0.4954 ppm	0.4982 ppm	0.4960 ppm
Concentration per Run 1	0.5190 ppm	0.5053 ppm	0.4815 ppm	10.0342 ppm	0.4959 ppm	0.4985 ppm	0.4974 ppm
Concentration per Run 2	0.5151 ppm	0.5142 ppm	0.4776 ppm	10.0964 ppm	0.4940 ppm	0.4976 ppm	0.4961 ppm
Concentration per Run 3	0.5138 ppm	0.5130 ppm	0.4792 ppm	10.0342 ppm	0.4962 ppm	0.4985 ppm	0.4945 ppm
Recovery Percentage 1	103.194 %	102.162 %	95.885 %	100.549 %	99.073 %	99.646 %	99.201 %
Concentration RSD	0.5 %	0.9 %	0.4 %	0.4 %	0.2 %	0.1 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4838 ppm	5.3133 ppm	0.4878 ppm	0.4993 ppm	0.4994 ppm	0.5075 ppm	0.5045 ppm
Concentration per Run 1	0.4845 ppm	5.3204 ppm	0.4893 ppm	0.4972 ppm	0.5017 ppm	0.5048 ppm	0.5083 ppm
Concentration per Run 2	0.4824 ppm	5.3068 ppm	0.4870 ppm	0.5024 ppm	0.4992 ppm	0.5095 ppm	0.5042 ppm
Concentration per Run 3	0.4846 ppm	5.3126 ppm	0.4870 ppm	0.4982 ppm	0.4972 ppm	0.5084 ppm	0.5009 ppm
Recovery Percentage 1	96.767 %	101.205 %	97.552 %	99.854 %	99.871 %	101.510 %	100.893 %
Concentration RSD	0.3 %	0.1 %	0.3 %	0.5 %	0.4 %	0.5 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4897 ppm	101.5526 %	100.2687 %	100.6669 %	102.0419 %	98.0659 %	100.9426 %
Concentration per Run 1	0.4915 ppm	101.7364 %	99.6540 %	100.2987 %	102.4185 %	97.9111 %	100.2790 %
Concentration per Run 2	0.4884 ppm	101.6751 %	100.1940 %	100.6890 %	102.3135 %	98.2157 %	101.0049 %
Concentration per Run 3	0.4892 ppm	101.2461 %	100.9583 %	101.0129 %	101.3937 %	98.0709 %	101.5439 %
Recovery Percentage 1	97.945 %						
Concentration RSD	0.3 %	0.3 %	0.7 %	0.4 %	0.6 %	0.2 %	0.6 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: ICB
Analysis started at: 9/11/2025 9:54:00 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0051 ppm	-0.0012 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	-0.0037 ppm
Concentration per Run 1	0.0000 ppm	0.0054 ppm	-0.0019 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	-0.0060 ppm
Concentration per Run 2	0.0002 ppm	0.0028 ppm	-0.0017 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm	-0.0013 ppm
Concentration per Run 3	-0.0001 ppm	0.0072 ppm	0.0001 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	-0.0039 ppm
Recovery Percentage 1	0.372 %	5.116 %	-23.696 %	3.199 %	1.043 %	0.676 %	-3.720 %
Concentration RSD	824.0 %	43.6 %	93.9 %	13.4 %	48.3 %	71.4 %	62.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0016 ppm	0.0234 ppm	0.0000 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	-0.0001 ppm	-0.0002 ppm	0.0017 ppm	0.0179 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0019 ppm	0.0386 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0136 ppm	0.0004 ppm
Recovery Percentage 1	1.239 %	-0.006 %	-0.530 %	1.035 %	3.202 %	0.935 %	0.349 %
Concentration RSD	78.7 %	16.676.9 %	212.6 %	366.0 %	21.4 %	57.1 %	824.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0003 ppm	0.0000 ppm	0.0003 ppm	-0.0022 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run 1	0.0019 ppm	-0.0001 ppm	0.0004 ppm	-0.0054 ppm	0.0001 ppm	0.0002 ppm	-0.0004 ppm
Concentration per Run 2	-0.0008 ppm	0.0002 ppm	0.0003 ppm	0.0017 ppm	0.0002 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0028 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm
Recovery Percentage 1	0.312 %	0.411 %	0.676 %	-0.108 %	0.517 %	2.411 %	-0.604 %
Concentration RSD	444.3 %	348.6 %	16.3 %	166.5 %	26.0 %	9.7 %	38.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 2	0.0013 ppm	0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 3	0.0014 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm
Recovery Percentage 1	10.023 %	-0.010 %	0.117 %	-0.072 %	1.273 %	1.223 %	0.945 %
Concentration RSD	67.9 %	724.8 %	302.4 %	1.292.9 %	57.8 %	206.1 %	95.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	102.3658 %	101.2306 %	101.3617 %	102.4902 %	100.4782 %	101.2193 %
Concentration per Run 1	0.0002 ppm	101.9514 %	101.5289 %	101.4037 %	102.5370 %	100.5014 %	101.5495 %
Concentration per Run 2	0.0002 ppm	103.3281 %	100.7267 %	101.2414 %	103.5350 %	100.5350 %	100.7661 %
Concentration per Run 3	0.0001 ppm	101.8178 %	101.4362 %	101.4399 %	101.3921 %	100.3982 %	101.3423 %
Recovery Percentage 1	3.854 %						
Concentration RSD	211.6 %	0.8 %	0.4 %	0.1 %	1.0 %	0.1 %	0.4 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_0911125T4.imexp

Sample: ICV
Analysis started at: 9/11/2025 10:03:49 AM
Comments: <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4942 ppm	0.4875 ppm	0.4913 ppm	0.4773 ppm	0.4915 ppm	0.5052 ppm	0.5041 ppm
Concentration per Run 1	0.4955 ppm	0.4839 ppm	0.4941 ppm	0.4775 ppm	0.4900 ppm	0.5046 ppm	0.5047 ppm
Concentration per Run 2	0.4957 ppm	0.4922 ppm	0.4896 ppm	0.4772 ppm	0.4906 ppm	0.5049 ppm	0.5004 ppm
Concentration per Run 3	0.4912 ppm	0.4863 ppm	0.4901 ppm	0.4772 ppm	0.4940 ppm	0.5060 ppm	0.5071 ppm
Recovery Percentage 1	98.832 %	97.493 %	98.256 %	95.458 %	98.305 %	101.032 %	100.810 %
Concentration RSD	0.5 %	0.9 %	0.5 %	0.0 %	0.4 %	0.1 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4840 ppm	0.4949 ppm	0.5047 ppm	0.5035 ppm	0.5082 ppm	5.2169 ppm	0.5024 ppm
Concentration per Run 1	0.4852 ppm	0.4949 ppm	0.5083 ppm	0.5050 ppm	0.5069 ppm	5.1792 ppm	0.5020 ppm
Concentration per Run 2	0.4826 ppm	0.4945 ppm	0.5010 ppm	0.5047 ppm	0.5073 ppm	5.2185 ppm	0.5008 ppm
Concentration per Run 3	0.4841 ppm	0.4954 ppm	0.5046 ppm	0.5007 ppm	0.5104 ppm	5.2531 ppm	0.5044 ppm
Recovery Percentage 1	96.791 %	98.982 %	100.931 %	100.698 %	101.636 %	104.339 %	100.481 %
Concentration RSD	0.3 %	0.1 %	0.7 %	0.5 %	0.4 %	0.7 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5133 ppm	0.5095 ppm	0.4781 ppm	10.1232 ppm	0.4988 ppm	0.4983 ppm	0.4997 ppm
Concentration per Run 1	0.5122 ppm	0.5084 ppm	0.4784 ppm	10.1244 ppm	0.4988 ppm	0.4984 ppm	0.5005 ppm
Concentration per Run 2	0.5145 ppm	0.5080 ppm	0.4768 ppm	10.0813 ppm	0.4979 ppm	0.4970 ppm	0.4993 ppm
Concentration per Run 3	0.5133 ppm	0.5122 ppm	0.4790 ppm	10.1639 ppm	0.4997 ppm	0.4995 ppm	0.4992 ppm
Recovery Percentage 1	102.668 %	101.906 %	95.613 %	101.232 %	99.760 %	99.662 %	99.937 %
Concentration RSD	0.2 %	0.5 %	0.2 %	0.4 %	0.2 %	0.3 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4842 ppm	5.2549 ppm	0.4824 ppm	0.4963 ppm	0.4992 ppm	0.5075 ppm	0.5046 ppm
Concentration per Run 1	0.4831 ppm	5.2497 ppm	0.4833 ppm	0.4952 ppm	0.5005 ppm	0.5074 ppm	0.5051 ppm
Concentration per Run 2	0.4815 ppm	5.2517 ppm	0.4807 ppm	0.4958 ppm	0.4978 ppm	0.5053 ppm	0.5061 ppm
Concentration per Run 3	0.4880 ppm	5.2631 ppm	0.4832 ppm	0.4980 ppm	0.4992 ppm	0.5097 ppm	0.5025 ppm
Recovery Percentage 1	96.838 %	100.093 %	96.485 %	99.266 %	99.835 %	101.493 %	100.914 %
Concentration RSD	0.7 %	0.1 %	0.3 %	0.3 %	0.3 %	0.4 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4888 ppm	102.8255 %	101.4857 %	100.9201 %	103.8366 %	98.6042 %	102.2671 %
Concentration per Run 1	0.4908 ppm	102.0646 %	101.1363 %	100.6994 %	104.0968 %	98.4902 %	102.0702 %
Concentration per Run 2	0.4869 ppm	102.3129 %	102.0781 %	100.9424 %	103.7416 %	98.7140 %	102.6141 %
Concentration per Run 3	0.4837 ppm	103.0989 %	101.2427 %	101.1186 %	103.6715 %	98.6083 %	102.1170 %
Recovery Percentage 1	97.762 %						
Concentration RSD	0.4 %	0.4 %	0.5 %	0.2 %	0.2 %	0.1 %	0.3 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: ICB
Analysis started at: 9/11/2025 10:09:54 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0025 ppm	-0.0007 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run 1	0.0001 ppm	-0.0016 ppm	-0.0010 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	-0.0043 ppm
Concentration per Run 2	-0.0001 ppm	0.0048 ppm	0.0008 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run 3	0.0003 ppm	0.0043 ppm	-0.0018 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	-0.0022 ppm
Recovery Percentage 1	2.158 %	2.515 %	-13.796 %	2.168 %	0.693 %	0.408 %	-3.240 %
Concentration RSD	141.9 %	141.2 %	194.4 %	10.7 %	109.9 %	50.9 %	32.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0168 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0007 ppm	0.0329 ppm	0.0010 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	-0.0083 ppm	0.0007 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0005 ppm	0.0003 ppm	0.0258 ppm	-0.0002 ppm
Recovery Percentage 1	1.977 %	0.518 %	-1.107 %	-0.457 %	0.868 %	0.673 %	4.897 %
Concentration RSD	29.5 %	25.8 %	53.9 %	814.3 %	45.0 %	131.1 %	120.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0007 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0005 ppm	0.0000 ppm	0.0004 ppm	0.0015 ppm	-0.0002 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run 2	0.0014 ppm	-0.0002 ppm	0.0002 ppm	-0.0062 ppm	0.0002 ppm	-0.0001 ppm	-0.0003 ppm
Concentration per Run 3	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0058 ppm	-0.0001 ppm	-0.0005 ppm	0.0004 ppm
Recovery Percentage 1	0.657 %	0.205 %	0.596 %	0.018 %	0.007 %	-2.836 %	-0.023 %
Concentration RSD	108.1 %	1.099 %	29.7 %	1.730 %	11.708 %	83.1 %	3.403 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run 1	0.0006 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run 2	0.0026 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 3	0.0012 ppm	-0.0008 ppm	0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0000 ppm
Recovery Percentage 1	14.581 %	-0.043 %	0.273 %	0.256 %	1.160 %	5.978 %	1.431 %
Concentration RSD	69.1 %	263.9 %	267.1 %	192.2 %	40.4 %	22.7 %	69.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	103.3050 %	102.4370 %	101.6021 %	102.6101 %	100.6051 %	102.2149 %
Concentration per Run 1	0.0001 ppm	103.0629 %	102.6890 %	101.7170 %	102.3193 %	100.5484 %	102.2998 %
Concentration per Run 2	0.0002 ppm	103.4422 %	102.5402 %	101.4262 %	102.7169 %	100.5515 %	102.3791 %
Concentration per Run 3	0.0001 ppm	103.4099 %	102.0816 %	101.6631 %	102.7940 %	100.7155 %	101.9659 %
Recovery Percentage 1	3.065 %						
Concentration RSD	13.9 %	0.2 %	0.3 %	0.2 %	0.2 %	0.1 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: LLOQ
Analysis started at: 9/11/2025 10:16:16 AM
Comments: <Comment>
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0052 ppm	0.1092 ppm	0.0047 ppm	0.0293 ppm	0.0104 ppm	0.0052 ppm	0.1014 ppm
Concentration per Run 1	0.0052 ppm	0.1094 ppm	0.0048 ppm	0.0289 ppm	0.0104 ppm	0.0052 ppm	0.0998 ppm
Concentration per Run 2	0.0052 ppm	0.1122 ppm	0.0047 ppm	0.0295 ppm	0.0104 ppm	0.0052 ppm	0.1027 ppm
Concentration per Run 3	0.0052 ppm	0.1061 ppm	0.0047 ppm	0.0294 ppm	0.0103 ppm	0.0052 ppm	0.1016 ppm
Recovery Percentage 1	103.719 %	109.195 %	94.708 %	97.582 %	103.576 %	103.697 %	101.372 %
Concentration RSD	0.6 %	2.8 %	1.5 %	1.1 %	0.1 %	0.2 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0040 ppm	0.0099 ppm	0.0098 ppm	0.0098 ppm	0.0548 ppm	2.6480 ppm	0.0115 ppm
Concentration per Run 1	0.0040 ppm	0.0100 ppm	0.0097 ppm	0.0101 ppm	0.0549 ppm	2.6381 ppm	0.0109 ppm
Concentration per Run 2	0.0039 ppm	0.0099 ppm	0.0099 ppm	0.0098 ppm	0.0555 ppm	2.6487 ppm	0.0117 ppm
Concentration per Run 3	0.0040 ppm	0.0099 ppm	0.0099 ppm	0.0096 ppm	0.0540 ppm	2.6573 ppm	0.0120 ppm
Recovery Percentage 1	98.979 %	99.215 %	98.218 %	98.057 %	109.613 %	105.922 %	115.425 %
Concentration RSD	0.7 %	0.7 %	1.2 %	2.5 %	1.3 %	0.4 %	5.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1034 ppm	0.0105 ppm	0.0480 ppm	2.0446 ppm	0.0198 ppm	0.0102 ppm	0.0495 ppm
Concentration per Run 1	0.1049 ppm	0.0107 ppm	0.0482 ppm	2.0556 ppm	0.0198 ppm	0.0100 ppm	0.0502 ppm
Concentration per Run 2	0.1039 ppm	0.0103 ppm	0.0479 ppm	2.0373 ppm	0.0198 ppm	0.0104 ppm	0.0495 ppm
Concentration per Run 3	0.1014 ppm	0.0104 ppm	0.0480 ppm	2.0409 ppm	0.0199 ppm	0.0102 ppm	0.0489 ppm
Recovery Percentage 1	103.405 %	104.633 %	96.091 %	102.230 %	99.106 %	101.855 %	99.094 %
Concentration RSD	1.8 %	1.8 %	0.3 %	0.5 %	0.4 %	2.3 %	1.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0103 ppm	0.5111 ppm	0.0501 ppm	0.0101 ppm	0.0101 ppm	0.0208 ppm	0.0100 ppm
Concentration per Run 1	0.0097 ppm	0.5128 ppm	0.0496 ppm	0.0102 ppm	0.0100 ppm	0.0203 ppm	0.0100 ppm
Concentration per Run 2	0.0110 ppm	0.5112 ppm	0.0500 ppm	0.0100 ppm	0.0099 ppm	0.0218 ppm	0.0100 ppm
Concentration per Run 3	0.0103 ppm	0.5094 ppm	0.0507 ppm	0.0101 ppm	0.0103 ppm	0.0202 ppm	0.0100 ppm
Recovery Percentage 1	103.338 %	102.228 %	100.137 %	101.017 %	100.926 %	103.778 %	99.995 %
Concentration RSD	6.2 %	0.3 %	1.1 %	1.2 %	2.0 %	4.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0056 ppm	103.1062 %	102.3610 %	101.0430 %	103.4298 %	99.8993 %	102.8353 %
Concentration per Run 1	0.0056 ppm	103.6097 %	102.4084 %	101.3359 %	103.6211 %	99.7784 %	102.6960 %
Concentration per Run 2	0.0056 ppm	103.0589 %	102.1965 %	100.7740 %	103.5719 %	99.8281 %	102.7346 %
Concentration per Run 3	0.0056 ppm	102.6498 %	102.4780 %	101.0190 %	103.0963 %	100.0915 %	103.0754 %
Recovery Percentage 1	111.751 %						
Concentration RSD	0.4 %	0.5 %	0.1 %	0.3 %	0.3 %	0.2 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: ICSA
Analysis started at: 9/11/2025 10:27:38 AM
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0011 ppm	489.4480 ppm	-0.0064 ppm	0.0095 ppm	0.0003 ppm	-0.0005 ppm	464.5037 ppm
Concentration per Run 1	0.0009 ppm	490.8831 ppm	-0.0065 ppm	0.0095 ppm	0.0003 ppm	-0.0005 ppm	467.3144 ppm
Concentration per Run 2	0.0012 ppm	495.3100 ppm	-0.0089 ppm	0.0089 ppm	0.0004 ppm	-0.0005 ppm	467.6108 ppm
Concentration per Run 3	0.0013 ppm	482.1509 ppm	-0.0037 ppm	0.0099 ppm	0.0004 ppm	-0.0005 ppm	458.5859 ppm
Recovery Percentage 1	22.976 %	489.447.998 %	-127.372 %	31.589 %	3.418 %	-10.723 %	464.503.716 %
Concentration RSD	18.2 %	1.4 %	41.1 %	5.8 %	18.2 %	3.3 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0034 ppm	0.0006 ppm	-0.0036 ppm	-0.0029 ppm	180.5626 ppm	0.0169 ppm	-0.0018 ppm
Concentration per Run 1	-0.0034 ppm	0.0007 ppm	-0.0035 ppm	-0.0030 ppm	179.8406 ppm	0.0126 ppm	-0.0008 ppm
Concentration per Run 2	-0.0036 ppm	0.0003 ppm	-0.0034 ppm	-0.0031 ppm	181.7135 ppm	0.0157 ppm	-0.0023 ppm
Concentration per Run 3	-0.0033 ppm	0.0007 ppm	-0.0040 ppm	-0.0027 ppm	180.1338 ppm	0.0223 ppm	-0.0022 ppm
Recovery Percentage 1	-86.187 %	2.775 %	-36.228 %	-29.214 %	361.125.267 %	0.675 %	-17.750 %
Concentration RSD	3.3 %	45.1 %	9.2 %	6.2 %	0.6 %	29.5 %	48.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	458.5619 ppm	0.0019 ppm	-0.0015 ppm	0.0135 ppm	0.0123 ppm	0.0074 ppm	-0.0037 ppm
Concentration per Run 1	461.1975 ppm	0.0020 ppm	-0.0014 ppm	0.0064 ppm	0.0120 ppm	0.0084 ppm	-0.0056 ppm
Concentration per Run 2	457.8273 ppm	0.0020 ppm	-0.0016 ppm	0.0173 ppm	0.0124 ppm	0.0079 ppm	-0.0052 ppm
Concentration per Run 3	456.6607 ppm	0.0018 ppm	-0.0016 ppm	0.0167 ppm	0.0125 ppm	0.0059 ppm	-0.0004 ppm
Recovery Percentage 1	458.561.851 %	19.437 %	-3.080 %	0.674 %	49.272 %	74.296 %	-7.459 %
Concentration RSD	0.5 %	4.7 %	10.2 %	45.5 %	2.3 %	17.5 %	77.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0036 ppm	0.0062 ppm	-0.0001 ppm	0.0031 ppm	0.0016 ppm	0.0045 ppm	0.0007 ppm
Concentration per Run 1	-0.0052 ppm	0.0063 ppm	-0.0005 ppm	0.0031 ppm	0.0014 ppm	0.0057 ppm	0.0010 ppm
Concentration per Run 2	-0.0024 ppm	0.0055 ppm	0.0003 ppm	0.0030 ppm	0.0013 ppm	0.0025 ppm	0.0007 ppm
Concentration per Run 3	-0.0031 ppm	0.0068 ppm	-0.0002 ppm	0.0031 ppm	0.0021 ppm	0.0052 ppm	0.0005 ppm
Recovery Percentage 1	-35.630 %	1.237 %	-0.228 %	30.702 %	15.806 %	22.259 %	7.447 %
Concentration RSD	41.9 %	10.9 %	336.6 %	2.4 %	27.8 %	38.8 %	33.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0040 ppm	99.1253 %	87.7776 %	87.7208 %	98.1484 %	71.3102 %	87.4760 %
Concentration per Run 1	-0.0041 ppm	99.1964 %	87.4766 %	87.6246 %	98.4359 %	71.2170 %	87.3588 %
Concentration per Run 2	-0.0042 ppm	98.9579 %	87.8421 %	87.6047 %	97.9016 %	71.2029 %	87.4507 %
Concentration per Run 3	-0.0038 ppm	99.2215 %	88.0140 %	87.9329 %	98.1078 %	71.5108 %	87.6186 %
Recovery Percentage 1	-80.713 %						
Concentration RSD	6.1 %	0.1 %	0.3 %	0.2 %	0.3 %	0.2 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: SIC Multi
Analysis started at: 9/11/2025 10:35:50 AM
Comments: <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0007 ppm	0.0584 ppm	-0.0016 ppm	0.0043 ppm	0.0001 ppm	-0.0058 ppm	0.0617 ppm
Concentration per Run 1	0.0006 ppm	0.0534 ppm	-0.0020 ppm	0.0043 ppm	0.0001 ppm	-0.0058 ppm	0.0551 ppm
Concentration per Run 2	0.0008 ppm	0.0567 ppm	-0.0008 ppm	0.0043 ppm	0.0002 ppm	-0.0058 ppm	0.0636 ppm
Concentration per Run 3	0.0005 ppm	0.0650 ppm	-0.0021 ppm	0.0042 ppm	0.0001 ppm	-0.0058 ppm	0.0663 ppm
Recovery Percentage 1	13.220 %	58.355 %	-32.743 %	14.275 %	1.424 %	-116.262 %	61.659 %
Concentration RSD	21.6 %	10.3 %	44.0 %	1.3 %	54.7 %	0.5 %	9.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0035 ppm	19.5546 ppm	-0.0083 ppm	0.0220 ppm	0.0242 ppm	-0.0002 ppm
Concentration per Run 1	0.0001 ppm	-0.0038 ppm	19.6738 ppm	-0.0086 ppm	0.0217 ppm	0.0372 ppm	0.0003 ppm
Concentration per Run 2	0.0001 ppm	-0.0033 ppm	19.4873 ppm	-0.0082 ppm	0.0212 ppm	0.0218 ppm	-0.0006 ppm
Concentration per Run 3	0.0001 ppm	-0.0033 ppm	19.5026 ppm	-0.0081 ppm	0.0231 ppm	0.0137 ppm	-0.0003 ppm
Recovery Percentage 1	3.474 %	-17.359 %	195.545 563 %	-83.010 %	43.924 %	0.970 %	-2.078 %
Concentration RSD	5.0 %	8.1 %	0.5 %	2.7 %	4.5 %	49.3 %	213.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0865 ppm	20.1924 [SIC 30]	-0.0030 ppm	-0.0011 ppm	0.0000 ppm	-0.0010 ppm	-0.0241 ppm
Concentration per Run 1	0.0946 ppm	20.3791 ppm	-0.0031 ppm	-0.0008 ppm	0.0002 ppm	-0.0014 ppm	-0.0240 ppm
Concentration per Run 2	0.0791 ppm	20.3108 ppm	-0.0029 ppm	-0.0025 ppm	-0.0002 ppm	-0.0006 ppm	-0.0240 ppm
Concentration per Run 3	0.0860 ppm	19.8873 ppm	-0.0029 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm	-0.0242 ppm
Recovery Percentage 1	86.548 %	201.923.988 %	-5.949 %	-0.055 %	0.192 %	-9.845 %	-48.129 %
Concentration RSD	9.0 %	1.3 %	4.9 %	121.3 %	428.2 %	39.9 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0048 ppm	0.3324 ppm	-0.0025 ppm	0.0006 ppm	19.5216 ppm	-0.0138 ppm	9.9720 ppm
Concentration per Run 1	-0.0054 ppm	0.3346 ppm	-0.0023 ppm	0.0005 ppm	19.6118 ppm	-0.0142 ppm	9.9374 ppm
Concentration per Run 2	-0.0051 ppm	0.3314 ppm	-0.0020 ppm	0.0007 ppm	19.5192 ppm	-0.0150 ppm	9.9953 ppm
Concentration per Run 3	-0.0039 ppm	0.3311 ppm	-0.0031 ppm	0.0006 ppm	19.4337 ppm	-0.0122 ppm	9.9834 ppm
Recovery Percentage 1	-47.598 %	66.474 %	-4.904 %	6.056 %	195.215.679 %	-69.037 %	99.720.251 %
Concentration RSD	16.5 %	0.6 %	22.4 %	13.7 %	0.5 %	10.7 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Sc 361.384 {450} (Axial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0029 ppm	105.4616 %	102.0155 %	100.9111 %	104.6214 %	97.8141 %
Concentration per Run 1	-0.0026 ppm	105.4954 %	101.8066 %	100.5534 %	104.7010 %	97.5776 %
Concentration per Run 2	-0.0031 ppm	105.3176 %	101.1545 %	101.2223 %	104.4260 %	97.9758 %
Concentration per Run 3	-0.0031 ppm	105.5718 %	102.0855 %	100.9578 %	104.7373 %	97.8890 %
Recovery Percentage 1	-58.459 %					
Concentration RSD	10.6 %	0.1 %	0.2 %	0.3 %	0.2 %	0.1 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: LDR Check

Analysis started at: 9/11/2025 10:43:13 AM

Comments: <Comment>

Rack: 0

Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0014 ppm	0.0353 ppm	0.0353 ppm	5.0908 [5IC 20]	9.5901 ppm	0.0000 ppm	0.0213 ppm
Concentration per Run 1	0.0012 ppm	0.0321 ppm	5.6529 ppm	5.6920 ppm	9.6275 ppm	0.0000 ppm	0.0190 ppm
Concentration per Run 2	0.0012 ppm	0.0323 ppm	5.6234 ppm	5.6234 ppm	9.3760 ppm	0.0001 ppm	0.0226 ppm
Concentration per Run 3	0.0018 ppm	0.0416 ppm	5.6432 ppm	5.6432 ppm	9.7668 ppm	0.0000 ppm	0.0224 ppm
Recovery Percentage 1	0.000 %	0.000 %	113.057 %	101.812 %	95.901 %	0.000 %	0.000 %
Concentration RSD	21.6 %	15.3 %	0.6 %	1.2 %	2.1 %	58.8 %	9.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0015 ppm	-0.0008 ppm	0.0019 ppm	20.0590 [5IC 20]	0.0091 ppm	312.8308 ppm	5.0474 ppm
Concentration per Run 1	0.0015 ppm	-0.0008 ppm	0.0018 ppm	19.8482 ppm	0.0091 ppm	312.9114 ppm	5.0308 ppm
Concentration per Run 2	0.0015 ppm	-0.0008 ppm	0.0019 ppm	20.2446 ppm	0.0077 ppm	313.1835 ppm	5.0682 ppm
Concentration per Run 3	0.0016 ppm	-0.0009 ppm	0.0020 ppm	20.0841 ppm	0.0105 ppm	312.3974 ppm	5.0433 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	100.295 %	0.000 %	104.277 %	100.948 %
Concentration RSD	1.3 %	3.9 %	6.2 %	1.0 %	15.4 %	0.1 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0355 ppm	0.0023 ppm	5.1285 [5IC 30]	466.7901 ppm	10.0719 [5IC 20]	48.2754 ppm	-0.0080 ppm
Concentration per Run 1	0.0331 ppm	0.0021 ppm	5.1756 ppm	468.7464 ppm	10.1367 ppm	48.4245 ppm	-0.0073 ppm
Concentration per Run 2	0.0361 ppm	0.0021 ppm	5.1044 ppm	463.6148 ppm	10.0350 ppm	48.1535 ppm	-0.0079 ppm
Concentration per Run 3	0.0372 ppm	0.0027 ppm	5.1056 ppm	468.0093 ppm	10.0442 ppm	48.2483 ppm	-0.0088 ppm
Recovery Percentage 1	0.000 %	0.000 %	102.571 %	93.358 %	100.719 %	96.551 %	0.000 %
Concentration RSD	6.0 %	14.2 %	0.8 %	0.6 %	0.6 %	0.3 %	9.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0020 ppm	22.2509 [5IC 50]	0.0012 ppm	0.0007 ppm	0.0031 ppm	0.0003 ppm	0.0024 ppm
Concentration per Run 1	0.0005 ppm	22.5645 ppm	0.0010 ppm	0.0007 ppm	0.0033 ppm	0.0005 ppm	0.0026 ppm
Concentration per Run 2	-0.0049 ppm	22.0942 ppm	0.0011 ppm	0.0007 ppm	0.0032 ppm	-0.0006 ppm	0.0023 ppm
Concentration per Run 3	-0.0017 ppm	22.0941 ppm	0.0013 ppm	0.0006 ppm	0.0027 ppm	0.0010 ppm	0.0024 ppm
Recovery Percentage 1	0.000 %	111.255 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	133.5 %	1.2 %	10.2 %	4.5 %	9.9 %	268.8 %	7.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	19.8224 ppm	102.9684 %	90.7768 %	86.1964 %	101.9226 %	82.0513 %	90.8719 %
Concentration per Run 1	19.7423 ppm	102.5019 %	91.3579 %	86.0025 %	101.5536 %	81.5711 %	91.4350 %
Concentration per Run 2	19.8474 ppm	103.5526 %	91.0543 %	86.5039 %	102.7089 %	82.4321 %	91.1457 %
Concentration per Run 3	19.8774 ppm	102.8508 %	89.9181 %	86.0827 %	101.5053 %	82.1506 %	90.0351 %
Recovery Percentage 1	99.112 %						
Concentration RSD	0.4 %	0.5 %	0.8 %	0.3 %	0.7 %	0.5 %	0.8 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: LDR 5 As pass
Analysis started at: 9/11/2025 10:59:07 AM
Comments: <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0005 ppm	0.0108 ppm		0.0032 ppm	0.0011 ppm	0.0000 ppm	0.0126 ppm
Concentration per Run 1	0.0004 ppm	0.0107 ppm	5.0549 ppm	0.0037 ppm	0.0008 ppm	0.0008 ppm	0.0089 ppm
Concentration per Run 2	0.0006 ppm	0.0104 ppm	5.0445 ppm	0.0028 ppm	0.0010 ppm	0.0000 ppm	0.0156 ppm
Concentration per Run 3	0.0005 ppm	0.0115 ppm	5.0470 ppm	0.0032 ppm	0.0015 ppm	0.0000 ppm	0.0133 ppm
Recovery Percentage 1	0.000 %	0.000 %	101.098 %	0.065 %	0.011 %	0.000 %	0.000 %
Concentration RSD	14.9 %	5.0 %	0.3 %	14.5 %	32.1 %	79.5 %	27.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0009 ppm	-0.0001 ppm	0.0016 ppm	0.0059 ppm	0.1473 ppm	0.0092 ppm	0.0013 ppm
Concentration per Run 1	0.0009 ppm	0.0000 ppm	0.0018 ppm	0.0064 ppm	0.0029 ppm	0.1203 ppm	0.0005 ppm
Concentration per Run 2	0.0010 ppm	-0.0002 ppm	0.0014 ppm	0.0057 ppm	0.0045 ppm	0.1544 ppm	0.0011 ppm
Concentration per Run 3	0.0010 ppm	0.0000 ppm	0.0016 ppm	0.0057 ppm	0.0042 ppm	0.1672 ppm	0.0024 ppm
Recovery Percentage 1	0.000 %	0.000 %	113.7 %	0.030 %	0.000 %	0.049 %	0.027 %
Concentration RSD	2.5 %		12.1 %	6.7 %	21.1 %	16.5 %	73.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0183 ppm	0.0008 ppm	0.0011 ppm	0.1266 ppm	0.0021 ppm	0.0092 ppm	0.0051 ppm
Concentration per Run 1	0.0202 ppm	0.0008 ppm	0.0014 ppm	0.0997 ppm	0.0024 ppm	0.0114 ppm	0.0046 ppm
Concentration per Run 2	0.0181 ppm	0.0006 ppm	0.0008 ppm	0.1235 ppm	0.0018 ppm	0.0082 ppm	0.0055 ppm
Concentration per Run 3	0.0166 ppm	0.0010 ppm	0.0010 ppm	0.1567 ppm	0.0020 ppm	0.0081 ppm	0.0051 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.021 %	0.025 %	0.021 %	0.018 %	0.000 %
Concentration RSD	10.1 %	23.1 %	26.1 %	22.6 %	14.9 %	20.7 %	8.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	0.0038 ppm	0.0000 ppm	-0.0001 ppm	0.0017 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run 1	0.0003 ppm	0.0044 ppm	0.0001 ppm	-0.0001 ppm	0.0019 ppm	0.0004 ppm	0.0014 ppm
Concentration per Run 2	-0.0001 ppm	0.0035 ppm	-0.0001 ppm	0.0000 ppm	0.0017 ppm	0.0002 ppm	0.0010 ppm
Concentration per Run 3	0.0011 ppm	0.0033 ppm	0.0001 ppm	0.0000 ppm	0.0015 ppm	0.0004 ppm	0.0010 ppm
Recovery Percentage 1	0.000 %	0.019 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	136.0 %	14.6 %	242.1 %	83.5 %	12.5 %	35.9 %	23.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0042 ppm	102.5943 %	102.4286 %	101.4859 %	100.6164 %	101.3874 %	101.8242 %
Concentration per Run 1	0.0046 ppm	101.6458 ppm	102.0812 %	101.4067 %	100.3240 %	101.5495 %	101.4019 %
Concentration per Run 2	0.0039 ppm	102.3795 %	102.3157 %	101.6826 %	100.0337 %	101.3717 %	101.5441 %
Concentration per Run 3	0.0040 ppm	103.7576 %	102.8890 %	101.3683 %	101.4915 %	101.2410 %	102.5266 %
Recovery Percentage 1	0.021 %						
Concentration RSD	10.1 %	1.0 %	0.4 %	0.2 %	0.8 %	0.2 %	0.6 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

CCV

Sample: Analysis started at: 9/11/2025 11:21:51 AM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4950 ppm	0.4909 ppm	0.4802 ppm	0.4712 ppm	0.4876 ppm	0.5033 ppm	0.5122 ppm
Concentration per Run 1	0.4917 ppm	0.4963 ppm	0.4803 ppm	0.4715 ppm	0.4931 ppm	0.5071 ppm	0.5251 ppm
Concentration per Run 2	0.4998 ppm	0.4784 ppm	0.4803 ppm	0.4709 ppm	0.4838 ppm	0.5009 ppm	0.5038 ppm
Concentration per Run 3	0.4936 ppm	0.4980 ppm	0.4795 ppm	0.4712 ppm	0.4858 ppm	0.5020 ppm	0.5075 ppm
Recovery Percentage 1	99.007 %	98.180 %	96.049 %	94.241 %	97.511 %	100.667 %	102.431 %
Concentration RSD	0.9 %	2.2 %	0.1 %	0.1 %	1.0 %	0.7 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4765 ppm	0.4829 ppm	0.4983 ppm	0.5035 ppm	0.5117 ppm	5.2517 ppm	0.5020 ppm
Concentration per Run 1	0.4764 ppm	0.4842 ppm	0.4966 ppm	0.5003 ppm	0.5178 ppm	5.2884 ppm	0.5061 ppm
Concentration per Run 2	0.4756 ppm	0.4814 ppm	0.4999 ppm	0.5072 ppm	0.5082 ppm	5.1797 ppm	0.5000 ppm
Concentration per Run 3	0.4775 ppm	0.4833 ppm	0.4984 ppm	0.5031 ppm	0.5090 ppm	5.2869 ppm	0.5001 ppm
Recovery Percentage 1	95.299 %	96.586 %	99.659 %	100.703 %	102.336 %	105.033 %	100.406 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.7 %	1.0 %	1.2 %	0.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5172 ppm	0.5173 ppm	0.4677 ppm	10.0988 ppm	0.4899 ppm	0.4882 ppm	0.4868 ppm
Concentration per Run 1	0.5137 ppm	0.5230 ppm	0.4665 ppm	10.1809 ppm	0.4910 ppm	0.4888 ppm	0.4858 ppm
Concentration per Run 2	0.5215 ppm	0.5133 ppm	0.4687 ppm	10.0547 ppm	0.4892 ppm	0.4876 ppm	0.4875 ppm
Concentration per Run 3	0.5164 ppm	0.5157 ppm	0.4677 ppm	10.0607 ppm	0.4896 ppm	0.4880 ppm	0.4872 ppm
Recovery Percentage 1	103.445 %	103.465 %	93.533 %	100.988 %	97.986 %	97.633 %	97.364 %
Concentration RSD	0.8 %	1.0 %	0.2 %	0.7 %	0.2 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4720 ppm	5.1999 ppm	0.4785 ppm	0.4895 ppm	0.4950 ppm	0.4996 ppm	0.5072 ppm
Concentration per Run 1	0.4724 ppm	5.1951 ppm	0.4772 ppm	0.4953 ppm	0.4930 ppm	0.4979 ppm	0.5053 ppm
Concentration per Run 2	0.4697 ppm	5.1882 ppm	0.4784 ppm	0.4866 ppm	0.4980 ppm	0.4998 ppm	0.5102 ppm
Concentration per Run 3	0.4739 ppm	5.2163 ppm	0.4798 ppm	0.4865 ppm	0.4939 ppm	0.5010 ppm	0.5060 ppm
Recovery Percentage 1	94.399 %	99.045 %	95.696 %	97.894 %	98.995 %	99.915 %	101.434 %
Concentration RSD	0.5 %	0.3 %	0.3 %	1.0 %	0.5 %	0.3 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4787 ppm	101.6483 %	101.2568 %	100.4608 %	100.5656 %	98.5755 %	100.6962 %
Concentration per Run 1	0.4789 ppm	100.4067 %	101.4920 %	100.0906 %	99.1365 %	98.4807 %	101.1837 %
Concentration per Run 2	0.4771 ppm	102.3374 %	100.6213 %	100.5088 %	101.3236 %	98.6585 %	99.9801 %
Concentration per Run 3	0.4801 ppm	102.2008 %	101.6571 %	100.7850 %	101.2366 %	98.5873 %	100.9247 %
Recovery Percentage 1	95.739 %						
Concentration RSD	0.3 %	1.1 %	0.5 %	0.3 %	1.2 %	0.1 %	0.6 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

CCB

Sample: Analysis started at: 9/11/2025 11:27:52 AM

Comments: <Comment>

Rack: 0

Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0057 ppm	0.0001 ppm	0.0013 ppm	0.0004 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0095 ppm	-0.0001 ppm	0.0002 ppm	0.0014 ppm	0.0001 ppm	-0.0039 ppm
Concentration per Run 2	0.0003 ppm	0.0058 ppm	0.0003 ppm	0.0015 ppm	0.0005 ppm	0.0001 ppm	0.0051 ppm
Concentration per Run 3	-0.0002 ppm	0.0048 ppm	-0.0002 ppm	0.0010 ppm	0.0004 ppm	0.0001 ppm	0.0008 ppm
Recovery Percentage 1	1.243 %	6.694 %	-1.953 %	4.302 %	3.598 %	2.152 %	0.694 %
Concentration RSD	428.8 %	37.0 %	261.0 %	22.2 %	44.2 %	30.6 %	648.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0011 ppm	0.0020 ppm	0.0533 ppm	0.0008 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0011 ppm	0.0025 ppm	0.0303 ppm	0.0017 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0021 ppm	0.0771 ppm	-0.0002 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0013 ppm	0.0013 ppm	0.0526 ppm	0.0009 ppm
Recovery Percentage 1	2.802 %	0.846 %	11.121 %	3.915 %	2.132 %	7.895 %	122.1 %
Concentration RSD	27.0 %	61.0 %	14.9 %	33.2 %	43.9 %		

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0023 ppm	0.0003 ppm	0.0005 ppm	0.0315 ppm	0.0004 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0023 ppm	0.0001 ppm	0.0006 ppm	0.0207 ppm	0.0004 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run 2	0.0033 ppm	0.0004 ppm	0.0004 ppm	0.0322 ppm	0.0004 ppm	0.0008 ppm	-0.0002 ppm
Concentration per Run 3	0.0012 ppm	0.0004 ppm	0.0003 ppm	0.0416 ppm	0.0003 ppm	0.0012 ppm	-0.0004 ppm
Recovery Percentage 1	2.267 %	2.873 %	0.903 %	1.575 %	1.573 %	9.364 %	-0.077 %
Concentration RSD	47.7 %	56.8 %	33.2 %	33.2 %	13.8 %	23.9 %	1.339.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.969 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	0.0010 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 1	-0.0014 ppm	0.0013 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run 2	0.0002 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0010 ppm	0.0008 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage 1	-0.735 %	0.197 %	-0.347 %	0.605 %	2.922 %	1.074 %	2.278 %
Concentration RSD	1.696.7 %	26.7 %	177.7 %	86.3 %	32.2 %	95.3 %	118.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	102.8841 %	101.5265 %	101.3517 %	99.6753 %	100.6435 %	99.7855 %
Concentration per Run 1	0.0006 ppm	103.5051 %	101.6114 %	101.4373 %	99.4232 %	100.7662 %	99.9921 %
Concentration per Run 2	0.0007 ppm	102.7956 %	101.3579 %	101.1797 %	100.0282 %	100.5174 %	99.4954 %
Concentration per Run 3	0.0005 ppm	102.3515 %	101.6101 %	101.4382 %	99.5744 %	100.6469 %	99.8690 %
Recovery Percentage 1	11.643 %						
Concentration RSD	18.8 %	0.6 %	0.1 %	0.1 %	0.3 %	0.1 %	0.3 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2112872-1 WG2112872

Analysis started at: 9/11/2025 11:48:03 AM

Comments <Comment>

Rack: 1

Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0133 ppm	-0.0001 ppm	0.0016 ppm	0.0002 ppm	0.0000 ppm	0.0149 ppm
Concentration per Run 1	-0.0002 ppm	0.0170 ppm	0.0002 ppm	0.0017 ppm	0.0002 ppm	0.0000 ppm	0.0118 ppm
Concentration per Run 2	-0.0002 ppm	0.0108 ppm	0.0005 ppm	0.0016 ppm	0.0003 ppm	0.0000 ppm	0.0164 ppm
Concentration per Run 3	0.0003 ppm	0.0121 ppm	-0.0009 ppm	0.0016 ppm	0.0003 ppm	0.0000 ppm	0.0165 ppm
Recovery Percentage 1	-0.774 %	13.330 %	-1.846 %	5.384 %	2.384 %	-0.231 %	14.889 %
Concentration RSD	767.6 %	24.4 %	786.5 %	4.9 %	14.1 %	252.1 %	18.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Radial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0021 ppm	0.0002 ppm	0.0574 ppm	0.0208 ppm	0.0012 ppm
Concentration per Run 1	0.0001 ppm	-0.0002 ppm	0.0021 ppm	0.0002 ppm	0.0575 ppm	0.0186 ppm	0.0010 ppm
Concentration per Run 2	0.0001 ppm	-0.0003 ppm	0.0022 ppm	0.0001 ppm	0.0579 ppm	0.0233 ppm	0.0017 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0020 ppm	0.0003 ppm	0.0569 ppm	0.0205 ppm	0.0011 ppm
Recovery Percentage 1	2.373 %	-1.211 %	20.828 %	1.659 %	114.877 %	0.833 %	12.446 %
Concentration RSD	21.1 %	4.1 %	5.2 %	48.8 %	0.9 %	11.4 %	32.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0055 ppm	0.0007 ppm	0.0003 ppm	0.0402 ppm	0.0005 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run 1	0.0076 ppm	0.0005 ppm	0.0003 ppm	0.0378 ppm	0.0006 ppm	0.0008 ppm	0.0006 ppm
Concentration per Run 2	0.0060 ppm	0.0010 ppm	0.0003 ppm	0.0437 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 3	0.0029 ppm	0.0006 ppm	0.0003 ppm	0.0393 ppm	0.0004 ppm	0.0001 ppm	0.0012 ppm
Recovery Percentage 1	5.494 %	6.924 %	0.585 %	2.012 %	1.845 %	3.970 %	1.336 %
Concentration RSD	42.8 %	34.0 %	11.1 %	7.7 %	35.8 %	83.0 %	69.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.969 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	0.0148 ppm	0.0081 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0019 ppm	0.0155 ppm	0.0081 ppm	0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0027 ppm	0.0137 ppm	0.0080 ppm	0.0000 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 3	-0.0003 ppm	0.0151 ppm	0.0083 ppm	0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm
Recovery Percentage 1	14.207 %	2.953 %	16.274 %	0.482 %	2.498 %	0.822 %	0.884 %
Concentration RSD	107.0 %	6.4 %	1.8 %	48.5 %	16.1 %	425.1 %	75.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0014 ppm	102.1439 %	102.2049 %	101.3962 %	99.6874 %	98.0847 %	100.9659 %
Concentration per Run 1	0.0015 ppm	101.6972 %	102.4260 %	101.1113 %	99.6172 %	97.8357 %	101.1466 %
Concentration per Run 2	0.0013 ppm	102.4042 %	101.9662 %	101.3766 %	99.7413 %	100.1527 %	100.7960 %
Concentration per Run 3	0.0014 ppm	102.3303 %	102.2225 %	101.7007 %	99.7036 %	98.2658 %	100.9551 %
Recovery Percentage 1	27.787 %						
Concentration RSD	8.3 %	0.4 %	0.2 %	0.3 %	0.1 %	0.2 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2112872-2D2 WG2112872

Analysis started at: 9/11/2025 11:54:23 AM

Comments: <Comment>

Rack: 1

Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0505 ppm	2.0799 ppm	0.1170 ppm	0.9777 ppm	2.0017 ppm	0.0515 ppm	10.6474 ppm
Concentration per Run 1	0.0505 ppm	2.0773 ppm	0.1173 ppm	0.9779 ppm	2.0078 ppm	0.0516 ppm	10.6584 ppm
Concentration per Run 2	0.0504 ppm	2.0800 ppm	0.1175 ppm	0.9741 ppm	2.0046 ppm	0.0516 ppm	10.6336 ppm
Concentration per Run 3	0.0507 ppm	2.0825 ppm	0.1160 ppm	0.9811 ppm	1.9926 ppm	0.0514 ppm	10.6502 ppm
Concentration RSD	0.3 %	0.1 %	0.7 %	0.4 %	0.4 %	0.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0515 ppm	0.4800 ppm	0.1982 ppm	0.2565 ppm	1.0644 ppm	10.8218 ppm	0.0010 ppm
Concentration per Run 1	0.0515 ppm	0.4799 ppm	0.1989 ppm	0.2568 ppm	1.0658 ppm	10.7809 ppm	0.0015 ppm
Concentration per Run 2	0.0515 ppm	0.4793 ppm	0.1974 ppm	0.2557 ppm	1.0628 ppm	10.8667 ppm	0.0007 ppm
Concentration per Run 3	0.0515 ppm	0.4808 ppm	0.1984 ppm	0.2571 ppm	1.0646 ppm	10.8178 ppm	0.0009 ppm
Concentration RSD	0.0 %	0.2 %	0.4 %	0.3 %	0.1 %	0.4 %	42.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.3498 ppm	0.5179 ppm	0.9743 ppm	10.6219 ppm	0.4869 ppm	0.5155 ppm	0.4947 ppm
Concentration per Run 1	10.3735 ppm	0.5173 ppm	0.9731 ppm	10.6128 ppm	0.4875 ppm	0.5150 ppm	0.4958 ppm
Concentration per Run 2	10.3174 ppm	0.5177 ppm	0.9750 ppm	10.6412 ppm	0.4867 ppm	0.5163 ppm	0.4938 ppm
Concentration per Run 3	10.3587 ppm	0.5187 ppm	0.9749 ppm	10.6116 ppm	0.4864 ppm	0.5152 ppm	0.4945 ppm
Concentration RSD	0.3 %	0.1 %	0.1 %	0.2 %	0.1 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1151 ppm	1.0796 ppm	0.9692 ppm	1.0037 ppm	1.0149 ppm	0.1175 ppm	0.5142 ppm
Concentration per Run 1	0.1131 ppm	1.0809 ppm	0.9686 ppm	1.0083 ppm	1.0164 ppm	0.1173 ppm	0.5150 ppm
Concentration per Run 2	0.1157 ppm	1.0777 ppm	0.9688 ppm	1.0050 ppm	1.0129 ppm	0.1171 ppm	0.5134 ppm
Concentration per Run 3	0.1165 ppm	1.0801 ppm	0.9692 ppm	0.9978 ppm	1.0155 ppm	0.1181 ppm	0.5142 ppm
Concentration RSD	1.6 %	0.2 %	0.0 %	0.5 %	0.2 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Radial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4829 ppm	102.7208 %	100.1834 %	100.7778 %	100.4525 %	96.5265 %	99.5444 %
Concentration per Run 1	0.4844 ppm	102.4720 %	99.9248 %	100.5148 %	100.4823 %	96.3924 %	99.2559 %
Concentration per Run 2	0.4826 ppm	102.9705 %	100.4884 %	100.8355 %	100.6508 %	96.6898 %	99.8343 %
Concentration per Run 3	0.4816 ppm	102.7199 %	100.1370 %	100.9831 %	100.2245 %	96.4973 %	99.5428 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.2 %	0.2 %	0.2 %	0.3 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2111288-2 WG2111288

Analysis started at: 9/11/2025 12:00:25 PM

Comments: <Comment>

Rack: 1

Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0433 ppm	2.1206 ppm	0.1211 ppm	0.9486 ppm	2.0290 ppm	0.0512 ppm	10.4577 ppm
Concentration per Run 1	0.0434 ppm	2.1400 ppm	0.1219 ppm	0.9467 ppm	2.0360 ppm	0.0514 ppm	10.4739 ppm
Concentration per Run 2	0.0433 ppm	2.1105 ppm	0.1215 ppm	0.9501 ppm	2.0261 ppm	0.0512 ppm	10.4199 ppm
Concentration per Run 3	0.0432 ppm	2.1114 ppm	0.1197 ppm	0.9489 ppm	2.0249 ppm	0.0511 ppm	10.4794 ppm
Concentration RSD	0.2 %	0.8 %	1.0 %	0.2 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0522 ppm	0.4846 ppm	0.2021 ppm	0.2610 ppm	1.0441 ppm	10.5950 ppm	0.0004 ppm
Concentration per Run 1	0.0521 ppm	0.4829 ppm	0.2029 ppm	0.2626 ppm	1.0508 ppm	10.6647 ppm	0.0002 ppm
Concentration per Run 2	0.0522 ppm	0.4872 ppm	0.2008 ppm	0.2594 ppm	1.0404 ppm	10.6049 ppm	0.0010 ppm
Concentration per Run 3	0.0522 ppm	0.4837 ppm	0.2027 ppm	0.2609 ppm	1.0410 ppm	10.5153 ppm	0.0001 ppm
Concentration RSD	0.2 %	0.5 %	0.6 %	0.6 %	0.6 %	0.7 %	116.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.2770 ppm	0.5186 ppm	0.9557 ppm	10.4170 ppm	0.4909 ppm	0.5254 ppm	0.4894 ppm
Concentration per Run 1	10.2950 ppm	0.5201 ppm	0.9530 ppm	10.4693 ppm	0.4912 ppm	0.5240 ppm	0.4896 ppm
Concentration per Run 2	10.2048 ppm	0.5189 ppm	0.9579 ppm	10.4043 ppm	0.4911 ppm	0.5272 ppm	0.4897 ppm
Concentration per Run 3	10.3313 ppm	0.5169 ppm	0.9562 ppm	10.3775 ppm	0.4903 ppm	0.5250 ppm	0.4888 ppm
Concentration RSD	0.6 %	0.3 %	0.3 %	0.5 %	0.1 %	0.3 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1180 ppm	0.9476 ppm	0.9518 ppm	0.9894 ppm	0.9980 ppm	0.1210 ppm	0.5210 ppm
Concentration per Run 1	0.1191 ppm	0.9457 ppm	0.9506 ppm	0.9928 ppm	0.9992 ppm	0.1215 ppm	0.5204 ppm
Concentration per Run 2	0.1181 ppm	0.9504 ppm	0.9527 ppm	0.9870 ppm	0.9932 ppm	0.1206 ppm	0.5178 ppm
Concentration per Run 3	0.1169 ppm	0.9467 ppm	0.9521 ppm	0.9885 ppm	1.0014 ppm	0.1209 ppm	0.5248 ppm
Concentration RSD	0.9 %	0.3 %	0.1 %	0.3 %	0.4 %	0.4 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4885 ppm	104.1629 %	101.5815 %	102.0712 %	102.3141 %	98.5163 %	101.0381 %
Concentration per Run 1	0.4881 ppm	103.9776 %	101.4874 %	102.0879 %	102.0516 %	98.6612 %	100.9214 %
Concentration per Run 2	0.4881 ppm	104.9038 %	101.8742 %	102.1509 %	103.0911 %	98.3861 %	101.5020 %
Concentration per Run 3	0.4893 ppm	103.6072 %	101.3828 %	101.9749 %	101.7996 %	98.5015 %	100.6908 %
Concentration RSD	0.1 %	0.6 %	0.3 %	0.1 %	0.7 %	0.1 %	0.4 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: I2556712-01D2 WG2112872

Analysis started at: 9/11/2025 12:06:27 PM

Comments: <Comment>

Rack: 1

Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	99.3051 ppm	0.0191 ppm	0.0073 ppm	1.0307 ppm	0.0066 ppm	19.5620 ppm
Concentration per Run 1	0.0000 ppm	100.0713 ppm	0.0211 ppm	0.0077 ppm	1.0379 ppm	0.0066 ppm	19.7001 ppm
Concentration per Run 2	-0.0004 ppm	98.8300 ppm	0.0177 ppm	0.0070 ppm	1.0249 ppm	0.0065 ppm	19.5118 ppm
Concentration per Run 3	-0.0004 ppm	99.0141 ppm	0.0186 ppm	0.0071 ppm	1.0293 ppm	0.0066 ppm	19.4741 ppm
Concentration RSD	81.3 %	0.7 %	9.2 %	5.6 %	0.6 %	0.5 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0025 ppm	0.0511 ppm	0.1214 ppm	0.0915 ppm	153.5682 ppm	3.0683 ppm	0.1677 ppm
Concentration per Run 1	0.0025 ppm	0.0511 ppm	0.1213 ppm	0.0916 ppm	154.4668 ppm	3.0781 ppm	0.1677 ppm
Concentration per Run 2	0.0025 ppm	0.0508 ppm	0.1209 ppm	0.0901 ppm	154.1300 ppm	3.0875 ppm	0.1667 ppm
Concentration per Run 3	0.0026 ppm	0.0513 ppm	0.1221 ppm	0.0928 ppm	152.1079 ppm	3.0395 ppm	0.1687 ppm
Concentration RSD	1.9 %	0.4 %	0.5 %	1.5 %	0.8 %	0.8 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	26.5441 ppm	3.5788 ppm	0.0029 ppm	2.5552 ppm	0.1421 ppm	0.2452 ppm	0.0028 ppm
Concentration per Run 1	26.5026 ppm	3.6023 ppm	0.0030 ppm	2.5704 ppm	0.1425 ppm	0.2445 ppm	0.0033 ppm
Concentration per Run 2	26.4756 ppm	3.5636 ppm	0.0028 ppm	2.5452 ppm	0.1425 ppm	0.2444 ppm	0.0018 ppm
Concentration per Run 3	26.6542 ppm	3.5704 ppm	0.0030 ppm	2.5499 ppm	0.1414 ppm	0.2466 ppm	0.0031 ppm
Concentration RSD	0.4 %	0.6 %	4.2 %	0.5 %	0.5 %	0.5 %	29.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	3.3882 ppm	0.0064 ppm	0.1256 ppm	0.1111 ppm	-0.0031 ppm	0.1272 ppm
Concentration per Run 1	-0.0004 ppm	3.2431 ppm	0.0063 ppm	0.1262 ppm	0.1099 ppm	-0.0024 ppm	0.1276 ppm
Concentration per Run 2	0.0013 ppm	3.3573 ppm	0.0063 ppm	0.1248 ppm	0.1113 ppm	-0.0049 ppm	0.1262 ppm
Concentration per Run 3	0.0021 ppm	3.5641 ppm	0.0066 ppm	0.1257 ppm	0.1121 ppm	-0.0020 ppm	0.1278 ppm
Concentration RSD	132.1 %	4.8 %	2.8 %	0.5 %	1.0 %	50.7 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5225 ppm	134.7864 ppm	125.5687 ppm	126.6477 ppm	107.7911 ppm	93.1716 ppm	102.4010 ppm
Concentration per Run 1	0.5220 ppm	134.5076 ppm	125.4896 ppm	126.5387 ppm	107.5701 ppm	93.0644 ppm	102.4254 ppm
Concentration per Run 2	0.5222 ppm	134.9558 ppm	125.9715 ppm	126.7177 ppm	107.9606 ppm	93.2758 ppm	102.7664 ppm
Concentration per Run 3	0.5232 ppm	134.8960 ppm	125.2450 ppm	126.6866 ppm	107.8425 ppm	93.1745 ppm	102.0011 ppm
Concentration RSD	0.1 %	0.2 %	0.3 %	0.1 %	0.2 %	0.1 %	0.4 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2112872-3D2 WG2112872

Analysis started at: 9/11/2025 12:12:42 PM

Comments <Comment>

Rack: 1

Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0428 ppm	107.4267 ppm	0.0893 ppm	0.6390 ppm	2.7656 ppm	0.0497 ppm	30.0647 ppm
Concentration per Run 1	0.0429 ppm	107.3829 ppm	0.0906 ppm	0.6374 ppm	2.7797 ppm	0.0499 ppm	30.0076 ppm
Concentration per Run 2	0.0435 ppm	107.3269 ppm	0.0869 ppm	0.6384 ppm	2.7643 ppm	0.0495 ppm	30.0151 ppm
Concentration per Run 3	0.0421 ppm	107.5703 ppm	0.0906 ppm	0.6414 ppm	2.7528 ppm	0.0498 ppm	30.1714 ppm
Concentration RSD	1.6 %	0.1 %	2.4 %	0.3 %	0.5 %	0.4 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0464 ppm	0.4788 ppm	0.2872 ppm	0.3136 ppm	194.2137 ppm	11.1882 ppm	0.1700 ppm
Concentration per Run 1	0.0464 ppm	0.4781 ppm	0.2876 ppm	0.3145 ppm	195.1052 ppm	11.2181 ppm	0.1699 ppm
Concentration per Run 2	0.0464 ppm	0.4784 ppm	0.2870 ppm	0.3154 ppm	190.9713 ppm	11.1294 ppm	0.1700 ppm
Concentration per Run 3	0.0464 ppm	0.4800 ppm	0.2870 ppm	0.3109 ppm	196.5646 ppm	11.2172 ppm	0.1702 ppm
Concentration RSD	0.1 %	0.2 %	0.1 %	0.8 %	1.5 %	0.5 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	34.9686 ppm	5.1271 ppm	0.8336 ppm	11.6919 ppm	0.5702 ppm	0.7458 ppm	0.1172 ppm
Concentration per Run 1	35.0321 ppm	5.1254 ppm	0.8356 ppm	11.6881 ppm	0.5701 ppm	0.7478 ppm	0.1169 ppm
Concentration per Run 2	34.9687 ppm	5.1186 ppm	0.8285 ppm	11.6842 ppm	0.5677 ppm	0.7443 ppm	0.1161 ppm
Concentration per Run 3	34.9050 ppm	5.1394 ppm	0.8367 ppm	11.7036 ppm	0.5729 ppm	0.7453 ppm	0.1185 ppm
Concentration RSD	0.2 %	0.2 %	0.5 %	0.1 %	0.5 %	0.2 %	1.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0945 ppm	8.7490 ppm	0.7067 ppm	0.9823 ppm	0.5192 ppm	0.0906 ppm	0.5593 ppm
Concentration per Run 1	0.0939 ppm	8.7023 ppm	0.7055 ppm	0.9821 ppm	0.5176 ppm	0.0912 ppm	0.5604 ppm
Concentration per Run 2	0.0932 ppm	8.7137 ppm	0.7053 ppm	0.9810 ppm	0.5218 ppm	0.0903 ppm	0.5590 ppm
Concentration per Run 3	0.0964 ppm	8.8309 ppm	0.7092 ppm	0.9839 ppm	0.5183 ppm	0.0904 ppm	0.5585 ppm
Concentration RSD	1.8 %	0.8 %	0.3 %	0.2 %	0.4 %	0.6 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.9460 ppm	132.6973 %	123.9632 %	124.5371 %	106.7685 %	90.7246 %
Concentration per Run 1	0.9493 ppm	132.7799 %	123.7201 %	124.6337 %	106.7158 %	90.7095 %
Concentration per Run 2	0.9418 ppm	133.2521 %	124.1523 %	107.1251 %	90.9509 %	101.2482 %
Concentration per Run 3	0.9468 ppm	132.0599 %	124.0173 %	124.3592 %	106.4647 %	90.5133 %
Concentration RSD	0.4 %	0.5 %	0.2 %	0.1 %	0.3 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2112872-4D2 WG2112872

Analysis started at: 9/11/2025 12:19:02 PM

Comments: <Comment>

Rack: 1

Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	99.2801 ppm	0.0232 ppm	0.0076 ppm	1.0996 ppm	0.0067 ppm	20.9292 ppm
Concentration per Run 1	-0.0002 ppm	99.3280 ppm	0.0228 ppm	0.0082 ppm	1.1004 ppm	0.0067 ppm	20.9170 ppm
Concentration per Run 2	-0.0002 ppm	99.4432 ppm	0.0223 ppm	0.0072 ppm	1.1019 ppm	0.0066 ppm	20.9240 ppm
Concentration per Run 3	-0.0005 ppm	99.0691 ppm	0.0246 ppm	0.0074 ppm	1.0965 ppm	0.0067 ppm	20.9466 ppm
Concentration RSD	72.7 %	0.2 %	5.1 %	7.0 %	0.3 %	0.6 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0029 ppm	0.0587 ppm	0.1217 ppm	0.0979 ppm	175.6066 ppm	2.8683 ppm	0.1647 ppm
Concentration per Run 1	0.0029 ppm	0.0588 ppm	0.1213 ppm	0.0974 ppm	176.3184 ppm	2.8447 ppm	0.1652 ppm
Concentration per Run 2	0.0029 ppm	0.0587 ppm	0.1216 ppm	0.0984 ppm	175.3114 ppm	2.8638 ppm	0.1647 ppm
Concentration per Run 3	0.0030 ppm	0.0585 ppm	0.1221 ppm	0.0979 ppm	175.1899 ppm	2.8964 ppm	0.1643 ppm
Concentration RSD	2.1 %	0.2 %	0.3 %	0.5 %	0.4 %	0.9 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	26.5034 ppm	4.4939 ppm	0.0037 ppm	2.7066 ppm	0.1469 ppm	0.5050 ppm	0.0035 ppm
Concentration per Run 1	26.3743 ppm	4.4954 ppm	0.0039 ppm	2.7089 ppm	0.1476 ppm	0.5048 ppm	0.0029 ppm
Concentration per Run 2	26.5717 ppm	4.4905 ppm	0.0036 ppm	2.6997 ppm	0.1470 ppm	0.5058 ppm	0.0039 ppm
Concentration per Run 3	26.5642 ppm	4.4957 ppm	0.0036 ppm	2.7111 ppm	0.1462 ppm	0.5043 ppm	0.0038 ppm
Concentration RSD	0.4 %	0.1 %	5.3 %	0.2 %	0.5 %	0.1 %	16.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	5.7053 ppm	0.0071 ppm	0.1345 ppm	0.1660 ppm	-0.0036 ppm	0.1308 ppm
Concentration per Run 1	0.0013 ppm	5.7053 ppm	0.0071 ppm	0.1345 ppm	0.1661 ppm	-0.0033 ppm	0.1304 ppm
Concentration per Run 2	0.0044 ppm	5.6742 ppm	0.0068 ppm	0.1348 ppm	0.1649 ppm	-0.0042 ppm	0.1310 ppm
Concentration per Run 3	-0.0025 ppm	5.7366 ppm	0.0073 ppm	0.1342 ppm	0.1670 ppm	-0.0033 ppm	0.1309 ppm
Concentration RSD	323.3 %	0.5 %	4.0 %	0.2 %	0.6 %	15.5 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5260 ppm	136.4251 %	126.7475 %	127.1383 %	109.0146 %	92.5099 %	102.9143 %
Concentration per Run 1	0.5257 ppm	136.2635 %	126.8042 %	126.9239 %	109.0049 %	92.3242 %	103.1417 %
Concentration per Run 2	0.5269 ppm	136.1805 %	126.8149 %	127.0730 %	108.9493 %	92.3001 %	102.7801 %
Concentration per Run 3	0.5254 ppm	136.8314 %	126.6234 %	127.4181 %	109.0897 %	92.9055 %	102.8211 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.2 %	0.1 %	0.4 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2112872-5D2 WG2112872

Analysis started at: 9/11/2025 12:25:17 PM

Comments: <Comment>

Rack: 1

Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0488 ppm	99.2270 ppm	0.1168 ppm	1.0129 ppm	3.0074 ppm	0.0572 ppm	29.7366 ppm
Concentration per Run 1	0.0484 ppm	99.3936 ppm	0.1151 ppm	1.0125 ppm	2.9951 ppm	0.0569 ppm	29.6443 ppm
Concentration per Run 2	0.0489 ppm	99.0485 ppm	0.1172 ppm	1.0098 ppm	3.0001 ppm	0.0572 ppm	29.7261 ppm
Concentration per Run 3	0.0490 ppm	99.2388 ppm	0.1180 ppm	1.0165 ppm	3.0270 ppm	0.0574 ppm	29.8393 ppm
Concentration RSD	0.7 %	0.2 %	1.3 %	0.3 %	0.6 %	0.4 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0555 ppm	0.5459 ppm	0.3131 ppm	0.3538 ppm	149.9646 ppm	13.6808 ppm	0.1640 ppm
Concentration per Run 1	0.0555 ppm	0.5458 ppm	0.3127 ppm	0.3538 ppm	150.0964 ppm	13.6630 ppm	0.1646 ppm
Concentration per Run 2	0.0555 ppm	0.5444 ppm	0.3122 ppm	0.3541 ppm	149.3774 ppm	13.6947 ppm	0.1641 ppm
Concentration per Run 3	0.0557 ppm	0.5474 ppm	0.3145 ppm	0.3533 ppm	150.4201 ppm	13.6845 ppm	0.1632 ppm
Concentration RSD	0.2 %	0.3 %	0.4 %	0.1 %	0.4 %	0.1 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	35.9463 ppm	3.9814 ppm	1.0088 ppm	12.9831 ppm	0.6355 ppm	0.7706 ppm	0.5030 ppm
Concentration per Run 1	36.0731 ppm	3.9665 ppm	1.0061 ppm	12.9631 ppm	0.6347 ppm	0.7684 ppm	0.5029 ppm
Concentration per Run 2	35.7834 ppm	3.9888 ppm	1.0086 ppm	12.9726 ppm	0.6343 ppm	0.7700 ppm	0.5033 ppm
Concentration per Run 3	35.9825 ppm	3.9908 ppm	1.0116 ppm	13.0285 ppm	0.6373 ppm	0.7734 ppm	0.5028 ppm
Concentration RSD	0.4 %	0.3 %	0.3 %	0.3 %	0.3 %	0.3 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1266 ppm	5.6671 ppm	0.9801 ppm	1.1263 ppm	1.1076 ppm	0.1140 ppm	0.6325 ppm
Concentration per Run 1	0.1274 ppm	5.6308 ppm	0.9787 ppm	1.1296 ppm	1.1069 ppm	0.1137 ppm	0.6336 ppm
Concentration per Run 2	0.1267 ppm	5.6107 ppm	0.9783 ppm	1.1245 ppm	1.1045 ppm	0.1141 ppm	0.6304 ppm
Concentration per Run 3	0.1258 ppm	5.7599 ppm	0.9834 ppm	1.1249 ppm	1.1114 ppm	0.1142 ppm	0.6334 ppm
Concentration RSD	0.6 %	1.4 %	0.3 %	0.3 %	0.3 %	0.2 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0090 ppm	133.2018 %	123.9288 %	107.3368 %	91.6675 %	101.4442 %
Concentration per Run 1	1.0100 ppm	132.9043 %	123.7132 %	107.5144 %	91.5938 %	101.1498 %
Concentration per Run 2	1.0066 ppm	134.0753 %	124.5131 %	107.8288 %	91.9303 %	102.0155 %
Concentration per Run 3	1.0103 ppm	132.6257 %	123.5600 %	106.6672 %	91.4784 %	101.1674 %
Concentration RSD	0.2 %	0.6 %	0.4 %	0.6 %	0.3 %	0.5 %

ICP DataTrace 4

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LabBook: WG2113404_091125T4.imxep

Sample: WG2112872-6D10 WG2112872

Analysis started at: 9/11/2025 12:31:36 PM

Comments <Comment>

Rack: 1

Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	24.2397 ppm	0.0037 ppm	0.0030 ppm	0.2477 ppm	0.0016 ppm	4.7938 ppm
Concentration per Run 1	0.0001 ppm	24.8626 ppm	0.0036 ppm	0.0031 ppm	0.2540 ppm	0.0016 ppm	4.9113 ppm
Concentration per Run 2	-0.0002 ppm	24.2700 ppm	0.0031 ppm	0.0031 ppm	0.2480 ppm	0.0016 ppm	4.8047 ppm
Concentration per Run 3	-0.0005 ppm	23.5865 ppm	0.0045 ppm	0.0027 ppm	0.2412 ppm	0.0016 ppm	4.6653 ppm
Concentration RSD	128.3 %	2.6 %	19.7 %	7.3 %	2.6 %	2.9 %	2.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0091 ppm	0.0245 ppm	0.0180 ppm	38.4735 ppm	0.7711 ppm	0.0401 ppm
Concentration per Run 1	0.0001 ppm	0.0093 ppm	0.0250 ppm	0.0184 ppm	39.4036 ppm	0.7690 ppm	0.0408 ppm
Concentration per Run 2	0.0001 ppm	0.0091 ppm	0.0242 ppm	0.0178 ppm	38.5511 ppm	0.7759 ppm	0.0415 ppm
Concentration per Run 3	0.0001 ppm	0.0088 ppm	0.0243 ppm	0.0177 ppm	37.4656 ppm	0.7684 ppm	0.0380 ppm
Concentration RSD	8.2 %	2.9 %	1.7 %	2.1 %	2.5 %	0.5 %	4.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.4756 ppm	0.8760 ppm	0.0008 ppm	0.6060 ppm	0.0254 ppm	0.0454 ppm	0.0008 ppm
Concentration per Run 1	5.5953 ppm	0.8964 ppm	0.0008 ppm	0.6159 ppm	0.0259 ppm	0.0474 ppm	0.0008 ppm
Concentration per Run 2	5.4181 ppm	0.8790 ppm	0.0007 ppm	0.6082 ppm	0.0254 ppm	0.0445 ppm	0.0020 ppm
Concentration per Run 3	5.4136 ppm	0.8527 ppm	0.0007 ppm	0.5961 ppm	0.0250 ppm	0.0443 ppm	-0.0004 ppm
Concentration RSD	1.9 %	2.5 %	8.6 %	1.6 %	1.8 %	3.8 %	152.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	0.7327 ppm	0.0009 ppm	0.0304 ppm	0.0256 ppm	-0.0001 ppm	0.0254 ppm
Concentration per Run 1	0.0027 ppm	0.7584 ppm	0.0005 ppm	0.0311 ppm	0.0256 ppm	-0.0007 ppm	0.0260 ppm
Concentration per Run 2	0.0009 ppm	0.7249 ppm	0.0012 ppm	0.0303 ppm	0.0266 ppm	0.0006 ppm	0.0253 ppm
Concentration per Run 3	0.0030 ppm	0.7148 ppm	0.0011 ppm	0.0296 ppm	0.0245 ppm	-0.0004 ppm	0.0250 ppm
Concentration RSD	52.6 %	3.1 %	44.7 %	2.5 %	4.1 %	487.4 %	1.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0945 ppm	111.0179 %	107.1307 %	108.2439 %	103.1006 %	99.7540 %	102.0888 %
Concentration per Run 1	0.0966 ppm	110.8839 %	106.8955 %	108.2045 %	102.9236 %	99.7965 %	101.8250 %
Concentration per Run 2	0.0945 ppm	111.9911 %	107.7012 %	108.0960 %	103.4113 %	99.6461 %	102.6371 %
Concentration per Run 3	0.0924 ppm	110.1787 %	106.7956 %	108.4313 %	102.9670 %	99.8194 %	101.8042 %
Concentration RSD	2.2 %	0.8 %	0.5 %	0.2 %	0.3 %	0.1 %	0.5 %

ICP DataTrace 4

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LabBook: WG2113404_091125T4.imexp

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Sample: Analysis started at: 9/11/2025 12:37:52 PM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4969 ppm	0.4962 ppm	0.4699 ppm	0.4642 ppm	0.4871 ppm	0.4956 ppm	0.5144 ppm
Concentration per Run 1	0.4967 ppm	0.4967 ppm	0.4698 ppm	0.4648 ppm	0.4894 ppm	0.4972 ppm	0.5125 ppm
Concentration per Run 2	0.4966 ppm	0.4926 ppm	0.4700 ppm	0.4640 ppm	0.4861 ppm	0.4951 ppm	0.5174 ppm
Concentration per Run 3	0.4976 ppm	0.5005 ppm	0.4699 ppm	0.4636 ppm	0.4856 ppm	0.4946 ppm	0.5133 ppm
Recovery Percentage 1	99.388 %	99.230 %	93.979 %	92.832 %	97.412 %	99.124 %	102.879 %
Concentration RSD	0.1 %	0.8 %	0.0 %	0.1 %	0.4 %	0.3 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4729 ppm	0.4785 ppm	0.4887 ppm	0.5075 ppm	0.5075 ppm	5.1971 ppm	0.5009 ppm
Concentration per Run 1	0.4730 ppm	0.4789 ppm	0.4881 ppm	0.5043 ppm	0.5111 ppm	5.2037 ppm	0.5022 ppm
Concentration per Run 2	0.4732 ppm	0.4792 ppm	0.4889 ppm	0.5094 ppm	0.5082 ppm	5.2220 ppm	0.5005 ppm
Concentration per Run 3	0.4725 ppm	0.4773 ppm	0.4892 ppm	0.5088 ppm	0.5031 ppm	5.1658 ppm	0.5000 ppm
Recovery Percentage 1	94.580 %	95.697 %	97.740 %	101.494 %	101.492 %	103.943 %	100.182 %
Concentration RSD	0.1 %	0.2 %	0.1 %	0.5 %	0.8 %	0.6 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5130 ppm	0.5074 ppm	0.4662 ppm	9.9638 ppm	0.4780 ppm	0.4877 ppm	0.4778 ppm
Concentration per Run 1	0.5150 ppm	0.5124 ppm	0.4686 ppm	10.0224 ppm	0.4793 ppm	0.4879 ppm	0.4796 ppm
Concentration per Run 2	0.5112 ppm	0.5052 ppm	0.4654 ppm	9.9520 ppm	0.4770 ppm	0.4889 ppm	0.4774 ppm
Concentration per Run 3	0.5127 ppm	0.5047 ppm	0.4647 ppm	9.9171 ppm	0.4778 ppm	0.4862 ppm	0.4766 ppm
Recovery Percentage 1	102.593 %	101.485 %	93.244 %	99.638 %	95.601 %	97.536 %	95.570 %
Concentration RSD	0.4 %	0.9 %	0.4 %	0.5 %	0.2 %	0.3 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4742 ppm	5.1923 ppm	0.4717 ppm	0.4906 ppm	0.4878 ppm	0.4957 ppm	0.4994 ppm
Concentration per Run 1	0.4747 ppm	5.2025 ppm	0.4718 ppm	0.4921 ppm	0.4877 ppm	0.4982 ppm	0.4981 ppm
Concentration per Run 2	0.4751 ppm	5.1985 ppm	0.4706 ppm	0.4895 ppm	0.4880 ppm	0.4950 ppm	0.4989 ppm
Concentration per Run 3	0.4729 ppm	5.1778 ppm	0.4728 ppm	0.4902 ppm	0.4877 ppm	0.4939 ppm	0.5013 ppm
Recovery Percentage 1	94.844 %	98.900 %	94.345 %	98.116 %	97.557 %	99.139 %	99.888 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.3 %	0.0 %	0.4 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4772 ppm	103.1364 %	102.2315 %	103.2090 %	101.5816 %	99.8799 %	101.9284 %
Concentration per Run 1	0.4766 ppm	103.5793 %	102.2568 %	103.2185 %	101.8755 %	99.7747 %	102.0829 %
Concentration per Run 2	0.4776 ppm	102.7106 %	102.3047 %	103.3121 %	101.3019 %	99.9163 %	101.9331 %
Concentration per Run 3	0.4774 ppm	103.1192 %	102.1329 %	103.0984 %	101.5675 %	99.9486 %	101.7632 %
Recovery Percentage 1	95.443 %						
Concentration RSD	0.1 %	0.4 %	0.1 %	0.1 %	0.3 %	0.1 %	0.2 %

ICP DataTrace 4

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LabBook: WG2113404_091125T4.imexp

Sample: CCB

Analysis started at: 9/11/2025 12:43:53 PM

Comments: <Comment>

Rack: 0

Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0088 ppm	-0.0004 ppm	0.0016 ppm	0.0000 ppm	0.0001 ppm	0.0024 ppm
Concentration per Run 1	0.0002 ppm	0.0048 ppm	-0.0012 ppm	0.0016 ppm	0.0001 ppm	0.0001 ppm	0.0068 ppm
Concentration per Run 2	0.0000 ppm	0.0060 ppm	0.0008 ppm	0.0017 ppm	-0.0001 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run 3	0.0003 ppm	0.0156 ppm	-0.0010 ppm	0.0014 ppm	0.0000 ppm	0.0001 ppm	-0.0008 ppm
Recovery Percentage 1	3.485 %	8.796 %	-8.977 %	5.234 %	0.262 %	1.013 %	2.368 %
Concentration RSD	112.0 %	67.4 %	241.6 %	9.1 %	464.7 %	52.7 %	167.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0027 ppm	0.0109 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0025 ppm	0.0179 ppm	0.0011 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0037 ppm	0.0064 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0019 ppm	0.0084 ppm	0.0011 ppm
Recovery Percentage 1	1.460 %	0.128 %	0.423 %	0.665 %	5.344 %	0.436 %	9.500 %
Concentration RSD	33.1 %	217.7 %	42.1 %	144.1 %	34.3 %	56.3 %	25.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0012 ppm	0.0001 ppm	0.0002 ppm	0.0035 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 1	-0.0007 ppm	0.0003 ppm	0.0001 ppm	0.0013 ppm	0.0004 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run 2	0.0022 ppm	0.0001 ppm	0.0004 ppm	0.0094 ppm	0.0004 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 3	0.0022 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0004 ppm	-0.0001 ppm	-0.0003 ppm
Recovery Percentage 1	1.245 %	1.233 %	0.482 %	0.176 %	1.489 %	-0.173 %	-0.161 %
Concentration RSD	133.1 %	149.9 %	54.0 %	145.9 %	6.6 %	378.4 %	865.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	0.0020 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 1	0.0010 ppm	0.0030 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	0.0015 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 3	0.0002 ppm	0.0016 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0015 ppm	0.0001 ppm
Recovery Percentage 1	3.596 %	0.409 %	0.494 %	0.128 %	1.482 %	4.814 %	0.751 %
Concentration RSD	165.9 %	41.3 %	252.4 %	522.5 %	16.0 %	72.6 %	145.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	103.3824 %	103.1644 %	103.5039 %	100.8257 %	102.4558 %	101.8523 %
Concentration per Run 1	0.0004 ppm	102.2697 %	102.9896 %	103.4077 %	100.0080 %	102.5407 %	101.7045 %
Concentration per Run 2	0.0004 ppm	103.3172 %	103.4681 %	103.4967 %	100.9012 %	102.5057 %	102.2346 %
Concentration per Run 3	0.0002 ppm	104.5602 %	103.0354 %	103.6072 %	101.5681 %	102.3210 %	101.6179 %
Recovery Percentage 1	7.016 %						
Concentration RSD	30.6 %	1.1 %	0.3 %	0.1 %	0.8 %	0.1 %	0.3 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: SIC 20 Cu pass +Pb
Analysis started at: 9/11/2025 1:04:27 PM
Comments: <Comment>

Rack: 1
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0030 ppm	-0.0004 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0067 ppm
Concentration per Run 1	-0.0002 ppm	0.0060 ppm	-0.0001 ppm	0.0008 ppm	0.0003 ppm	0.0000 ppm	0.0067 ppm
Concentration per Run 2	0.0002 ppm	0.0013 ppm	-0.0012 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0053 ppm
Concentration per Run 3	0.0000 ppm	0.0195 ppm	0.0001 ppm	0.0008 ppm	0.0003 ppm	0.0000 ppm	0.0082 ppm
Recovery Percentage 1	0.158 %	8.964 %	-7.963 %	2.708 %	2.442 %	0.331 %	6.737 %
Concentration RSD	2.576 %	105.4 %	174.8 %	3.3 %	27.4 %	41.3 %	21.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	19.4981 ppm	0.0022 ppm	0.0347 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0001 ppm	19.5533 ppm	0.0022 ppm	0.0496 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	19.5605 ppm	0.0023 ppm	0.0679 ppm	0.0008 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	19.3806 ppm	0.0022 ppm	-0.0133 ppm	-0.0006 ppm
Recovery Percentage 1	0.903 %	-0.246 %	-1.173 %	194.981.347 %	4.455 %	1.388 %	1.523 %
Concentration RSD	85.6 %	260.6 %	47.4 %	0.5 %	3.5 %	122.8 %	450.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0013 ppm	0.0002 ppm	0.0000 ppm	0.0017 ppm	0.0002 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 1	0.0042 ppm	0.0002 ppm	-0.0001 ppm	-0.0051 ppm	0.0003 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 2	0.0011 ppm	0.0000 ppm	0.0001 ppm	0.0045 ppm	0.0003 ppm	0.0001 ppm	-0.0007 ppm
Concentration per Run 3	-0.0014 ppm	0.0003 ppm	0.0000 ppm	0.0056 ppm	0.0001 ppm	-0.0002 ppm	-0.0005 ppm
Recovery Percentage 1	1.325 %	1.894 %	0.015 %	0.083 %	0.952 %	0.284 %	-0.670 %
Concentration RSD	212.5 %	73.9 %	1.399 %	352.8 %	41.1 %	702.0 %	156.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.969 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	0.0015 ppm	0.0003 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run 1	-0.0002 ppm	0.0021 ppm	0.0003 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0008 ppm	0.0004 ppm	-0.0001 ppm	0.0002 ppm	0.0007 ppm	-0.0005 ppm
Concentration per Run 3	-0.0002 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0001 ppm	-0.0005 ppm
Recovery Percentage 1	-1.161 %	0.294 %	0.586 %	-0.551 %	2.744 %	0.526 %	-4.127 %
Concentration RSD	179.3 %	44.4 %	52.2 %	117.8 %	71.5 %	515.7 %	36.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	104.2639 %	103.5962 %	97.3442 %	102.5221 %	102.2554 %	102.7083 %
Concentration per Run 1	0.0010 ppm	104.7261 %	103.9993 %	97.0697 %	102.7355 %	102.2231 %	103.0864 %
Concentration per Run 2	0.0011 ppm	103.9288 %	103.3408 %	97.4533 %	102.2964 %	102.2434 %	102.5240 %
Concentration per Run 3	0.0010 ppm	104.1368 %	103.4486 %	97.5096 %	102.5343 %	102.2998 %	102.5145 %
Recovery Percentage 1	20.792 %						
Concentration RSD	2.1 %	0.4 %	0.3 %	0.2 %	0.2 %	0.0 %	0.3 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_0911125T4.imexp

Sample: SIC 500 Mg pass +Sr
Analysis started at: 9/11/2025 1:10:57 PM
Comments: <Comment>
Rack: 1
Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0067 ppm	-0.0019 ppm	0.0024 ppm	-0.0006 ppm	0.0000 ppm	0.0490 ppm
Concentration per Run 1	-0.0004 ppm	0.0091 ppm	-0.0015 ppm	0.0026 ppm	-0.0005 ppm	0.0000 ppm	0.0431 ppm
Concentration per Run 2	0.0004 ppm	0.0096 ppm	-0.0014 ppm	0.0023 ppm	-0.0006 ppm	0.0000 ppm	0.0508 ppm
Concentration per Run 3	-0.0002 ppm	0.0015 ppm	-0.0028 ppm	0.0023 ppm	-0.0007 ppm	0.0000 ppm	0.0531 ppm
Recovery Percentage 1	-1.050 %	6.743 %	-38.517 %	8.015 %	-5.860 %	-0.246 %	49.012 %
Concentration RSD	754.4 %	66.9 %	41.2 %	5.5 %	18.0 %	226.3 %	10.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0007 ppm	0.0012 ppm	0.0018 ppm	0.0339 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0008 ppm	0.0013 ppm	0.0027 ppm	0.0688 ppm	0.0015 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0012 ppm	0.0022 ppm	0.0375 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	-0.0008 ppm	0.0010 ppm	0.0005 ppm	-0.0046 ppm	-0.0012 ppm
Recovery Percentage 1	0.579 %	0.475 %	-7.037 %	11.813 %	3.567 %	1.356 %	0.435 %
Concentration RSD	51.5 %	141.2 %	23.3 %	15.6 %	63.4 %	108.6 %	3.079.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	514.7460 [SIC 500]	0.0010 ppm	0.0002 ppm	0.0116 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 1	510.6480 ppm	0.0009 ppm	0.0002 ppm	0.0193 ppm	0.0002 ppm	0.0004 ppm	-0.0004 ppm
Concentration per Run 2	517.7775 ppm	0.0010 ppm	0.0003 ppm	0.0048 ppm	0.0001 ppm	-0.0003 ppm	0.0007 ppm
Concentration per Run 3	515.8127 ppm	0.0010 ppm	0.0002 ppm	0.0107 ppm	-0.0003 ppm	0.0009 ppm	0.0005 ppm
Recovery Percentage 1	514.746.049 %	9.704 %	0.498 %	0.579 %	0.070 %	4.216 %	0.459 %
Concentration RSD	0.7 %	3.9 %	33.7 %	63.1 %	1.677.0 %	155.5 %	249.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.969 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	0.0035 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0003 ppm	-0.0014 ppm
Concentration per Run 1	-0.0011 ppm	0.0035 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0003 ppm	-0.0013 ppm
Concentration per Run 2	0.0005 ppm	0.0038 ppm	0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0003 ppm	-0.0012 ppm
Concentration per Run 3	-0.0004 ppm	0.0032 ppm	-0.0003 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	-0.0015 ppm
Recovery Percentage 1	-3.266 %	0.706 %	0.071 %	-0.004 %	4.720 %	1.513 %	-13.541 %
Concentration RSD	240.5 %	8.1 %	785.8 %	5.744.8 %	48.2 %	10.1 %	12.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	100.1044 %	93.4308 %	95.0763 %	97.5663 %	83.7971 %	92.6453 %
Concentration per Run 1	0.0006 ppm	100.4614 %	93.9386 %	95.1738 %	98.2510 %	83.8448 %	93.3354 %
Concentration per Run 2	0.0006 ppm	99.6989 %	95.1768 %	97.3190 %	97.3238 %	83.8493 %	92.2377 %
Concentration per Run 3	0.0005 ppm	100.1529 %	93.1637 %	94.8783 %	97.1241 %	83.6971 %	92.3629 %
Recovery Percentage 1	11.635 %						
Concentration RSD	8.5 %	0.4 %	0.5 %	0.2 %	0.6 %	0.1 %	0.6 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2113121-1 WG2113121
Analysis started at: 9/11/2025 1:17:28 PM
Comments: <Comment>
Rack: 1
Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0042 ppm	-0.0011 ppm	0.0018 ppm	0.0001 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 1	0.0002 ppm	0.0047 ppm	0.0000 ppm	0.0017 ppm	0.0000 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run 2	0.0002 ppm	0.0007 ppm	-0.0011 ppm	0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0054 ppm
Concentration per Run 3	-0.0004 ppm	0.0073 ppm	-0.0022 ppm	0.0019 ppm	0.0001 ppm	0.0000 ppm	-0.0003 ppm
Recovery Percentage 1	0.003 %	4.247 %	-22.110 %	5.924 %	0.890 %	-0.300 %	2.028 %
Concentration RSD	258.2048 %	77.8 %	102.8 %	7.7 %	72.4 %	101.2 %	146.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0003 ppm	0.0001 ppm	-0.0004 ppm	0.0068 ppm	0.0043 ppm	0.0006 ppm
Concentration per Run 1	0.0001 ppm	-0.0002 ppm	0.0001 ppm	-0.0006 ppm	0.0067 ppm	-0.0110 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	0.0003 ppm	0.0069 ppm	0.0010 ppm	0.0013 ppm
Concentration per Run 3	0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0007 ppm	0.0069 ppm	0.0228 ppm	0.0004 ppm
Recovery Percentage 1	1.280 %	-1.270 %	0.616 %	-3.546 %	13.653 %	0.171 %	5.951 %
Concentration RSD	13.7 %	24.6 %	328.2 %	149.4 %	2.1 %	402.1 %	100.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0007 ppm	0.0000 ppm	0.0003 ppm	0.0106 ppm	-0.0002 ppm	-0.0004 ppm	0.0002 ppm
Concentration per Run 1	-0.0003 ppm	0.0000 ppm	0.0003 ppm	0.0096 ppm	-0.0003 ppm	-0.0008 ppm	0.0018 ppm
Concentration per Run 2	0.0022 ppm	0.0002 ppm	0.0003 ppm	0.0149 ppm	-0.0002 ppm	0.0000 ppm	-0.0007 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0073 ppm	-0.0001 ppm	-0.0005 ppm	-0.0004 ppm
Recovery Percentage 1	0.686 %	-0.221 %	0.583 %	0.530 %	-0.681 %	-4.223 %	0.427 %
Concentration RSD	193.3 %	944.2 %	18.3 %	36.5 %	74.3 %	99.3 %	634.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	0.0116 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0012 ppm	0.0000 ppm
Concentration per Run 1	0.0006 ppm	0.0114 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0010 ppm	0.0001 ppm
Concentration per Run 2	0.0021 ppm	0.0115 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run 3	0.0015 ppm	0.0119 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0013 ppm	-0.0001 ppm
Recovery Percentage 1	13.915 %	2.316 %	0.404 %	-0.801 %	0.109 %	-5.892 %	-0.357 %
Concentration RSD	56.3 %	2.1 %	87.2 %	44.1 %	1.138.2 %	14.4 %	237.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	101.4555 %	102.2390 %	102.6974 %	99.0846 %	97.4106 %	101.1951 %
Concentration per Run 1	0.0000 ppm	101.2369 %	102.2928 %	102.3811 %	99.0514 %	97.5046 %	101.3849 %
Concentration per Run 2	0.0000 ppm	101.5990 %	102.3255 %	102.8612 %	99.2535 %	97.4248 %	101.2285 %
Concentration per Run 3	0.0001 ppm	101.5306 %	102.0986 %	102.8500 %	98.9489 %	97.3025 %	100.9721 %
Recovery Percentage 1	0.984 %						
Concentration RSD	85.3 %	0.2 %	0.1 %	0.3 %	0.2 %	0.1 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2113121-2 WG2113121

Analysis started at: 9/11/2025 1:23:52 PM

Comments: <Comment>

Rack: 1

Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0465 ppm	1.9568 ppm	0.1052 ppm	0.8668 ppm	1.8777 ppm	0.0478 ppm	9.8622 ppm
Concentration per Run 1	0.0467 ppm	1.9614 ppm	0.1048 ppm	0.8678 ppm	1.8829 ppm	0.0478 ppm	9.8688 ppm
Concentration per Run 2	0.0463 ppm	1.9613 ppm	0.1064 ppm	0.8674 ppm	1.8825 ppm	0.0479 ppm	9.8892 ppm
Concentration per Run 3	0.0466 ppm	1.9478 ppm	0.1045 ppm	0.8652 ppm	1.8679 ppm	0.0478 ppm	9.8288 ppm
Concentration RSD	0.5 %	0.4 %	1.0 %	0.2 %	0.5 %	0.2 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0494 ppm	0.4606 ppm	0.1877 ppm	0.2351 ppm	0.9670 ppm	9.7552 ppm	0.0002 ppm
Concentration per Run 1	0.0495 ppm	0.4616 ppm	0.1877 ppm	0.2356 ppm	0.9654 ppm	9.7784 ppm	0.0003 ppm
Concentration per Run 2	0.0495 ppm	0.4613 ppm	0.1883 ppm	0.2342 ppm	0.9729 ppm	9.8278 ppm	-0.0005 ppm
Concentration per Run 3	0.0494 ppm	0.4589 ppm	0.1872 ppm	0.2357 ppm	0.9628 ppm	9.6592 ppm	0.0009 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	0.4 %	0.5 %	0.9 %	282.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.2452 ppm	0.4843 ppm	0.9140 ppm	9.5637 ppm	0.4639 ppm	0.4863 ppm	0.4582 ppm
Concentration per Run 1	9.2722 ppm	0.4831 ppm	0.9134 ppm	9.5734 ppm	0.4643 ppm	0.4874 ppm	0.4583 ppm
Concentration per Run 2	9.2571 ppm	0.4866 ppm	0.9176 ppm	9.5899 ppm	0.4643 ppm	0.4852 ppm	0.4579 ppm
Concentration per Run 3	9.2063 ppm	0.4830 ppm	0.9111 ppm	9.5277 ppm	0.4631 ppm	0.4864 ppm	0.4584 ppm
Concentration RSD	0.4 %	0.4 %	0.4 %	0.3 %	0.2 %	0.2 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1025 ppm	0.7271 ppm	0.8930 ppm	0.9117 ppm	0.9244 ppm	0.1090 ppm	0.4849 ppm
Concentration per Run 1	0.1039 ppm	0.7278 ppm	0.8946 ppm	0.9146 ppm	0.9255 ppm	0.1092 ppm	0.4870 ppm
Concentration per Run 2	0.0996 ppm	0.7274 ppm	0.8941 ppm	0.9135 ppm	0.9259 ppm	0.1090 ppm	0.4846 ppm
Concentration per Run 3	0.1040 ppm	0.7262 ppm	0.8902 ppm	0.9070 ppm	0.9217 ppm	0.1087 ppm	0.4830 ppm
Concentration RSD	2.4 %	0.1 %	0.3 %	0.5 %	0.2 %	0.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4662 ppm	100.6840 %	100.0039 %	101.5251 %	99.0050 %	95.3714 %	100.0052 %
Concentration per Run 1	0.4669 ppm	100.2655 %	99.8565 %	101.2461 %	98.7562 %	95.1594 %	99.6607 %
Concentration per Run 2	0.4666 ppm	100.8572 %	99.8045 %	101.6914 %	98.9647 %	95.4313 %	99.8800 %
Concentration per Run 3	0.4650 ppm	100.9294 %	100.3506 %	101.6377 %	99.2943 %	95.5236 %	100.4750 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.2 %	0.3 %	0.2 %	0.4 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2112651-2 WG2112651

Analysis started at: 9/11/2025 1:37:32 PM

Comments: rr Sb

Rack: 1

Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0502 ppm	1.9755 ppm	0.1156 ppm	0.8942 ppm	1.8711 ppm	0.0478 ppm	9.9266 ppm
Concentration per Run 1	0.0500 ppm	1.9754 ppm	0.1159 ppm	0.8929 ppm	1.8754 ppm	0.0479 ppm	9.9599 ppm
Concentration per Run 2	0.0503 ppm	1.9783 ppm	0.1160 ppm	0.8957 ppm	1.8678 ppm	0.0478 ppm	9.9136 ppm
Concentration per Run 3	0.0503 ppm	1.9728 ppm	0.1149 ppm	0.8941 ppm	1.8702 ppm	0.0476 ppm	9.9063 ppm
Concentration RSD	0.3 %	0.1 %	0.5 %	0.2 %	0.2 %	0.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0488 ppm	0.4503 ppm	0.1891 ppm	0.2390 ppm	0.9860 ppm	10.1237 ppm	-0.0001 ppm
Concentration per Run 1	0.0488 ppm	0.4494 ppm	0.1879 ppm	0.2393 ppm	0.9865 ppm	10.1135 ppm	-0.0004 ppm
Concentration per Run 2	0.0488 ppm	0.4509 ppm	0.1902 ppm	0.2389 ppm	0.9848 ppm	10.1270 ppm	0.0003 ppm
Concentration per Run 3	0.0488 ppm	0.4506 ppm	0.1892 ppm	0.2389 ppm	0.9866 ppm	10.1287 ppm	-0.0003 ppm
Concentration RSD	0.0 %	0.2 %	0.6 %	0.1 %	0.1 %	0.1 %	343.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.7554 ppm	0.4867 ppm	0.9004 ppm	9.8647 ppm	0.4559 ppm	0.4996 ppm	0.4571 ppm
Concentration per Run 1	9.7369 ppm	0.4876 ppm	0.9001 ppm	9.8952 ppm	0.4547 ppm	0.4996 ppm	0.4563 ppm
Concentration per Run 2	9.7783 ppm	0.4874 ppm	0.9019 ppm	9.8283 ppm	0.4554 ppm	0.5007 ppm	0.4568 ppm
Concentration per Run 3	9.7510 ppm	0.4851 ppm	0.8990 ppm	9.8697 ppm	0.4575 ppm	0.4985 ppm	0.4581 ppm
Concentration RSD	0.2 %	0.3 %	0.2 %	0.3 %	0.3 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1115 ppm	1.0055 ppm	0.8950 ppm	0.9240 ppm	0.9408 ppm	0.1157 ppm	0.4844 ppm
Concentration per Run 1	0.1120 ppm	1.0063 ppm	0.8933 ppm	0.9256 ppm	0.9381 ppm	0.1145 ppm	0.4823 ppm
Concentration per Run 2	0.1106 ppm	1.0057 ppm	0.8953 ppm	0.9226 ppm	0.9437 ppm	0.1170 ppm	0.4866 ppm
Concentration per Run 3	0.1120 ppm	1.0047 ppm	0.8965 ppm	0.9239 ppm	0.9406 ppm	0.1156 ppm	0.4844 ppm
Concentration RSD	0.7 %	0.1 %	0.2 %	0.2 %	0.3 %	1.1 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4596 ppm	103.1479 %	101.9632 %	101.3046 %	99.8423 %	101.8501 %
Concentration per Run 1	0.4594 ppm	103.8089 %	102.0961 %	101.5101 %	99.9295 %	102.0248 %
Concentration per Run 2	0.4601 ppm	102.9231 %	101.6593 %	103.3970 %	99.8619 %	101.5838 %
Concentration per Run 3	0.4593 ppm	102.7115 %	102.1343 %	101.0296 %	99.7355 %	101.9415 %
Concentration RSD	0.1 %	0.6 %	0.3 %	0.1 %	0.3 %	0.1 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: L2554044-01.WG2113121

Analysis started at: 9/11/2025 1:43:33 PM

Comments: <Comment>

Rack: 1

Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0088 ppm	-0.0025 ppm	0.0028 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 1	0.0003 ppm	0.0143 ppm	-0.0020 ppm	0.0027 ppm	-0.0001 ppm	0.0000 ppm	0.0037 ppm
Concentration per Run 2	0.0002 ppm	0.0049 ppm	-0.0031 ppm	0.0030 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 3	0.0001 ppm	0.0071 ppm	-0.0025 ppm	0.0025 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm
Concentration RSD	70.4 %	56.3 %	21.0 %	8.5 %	166.1 %	353.5 %	137.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0021 ppm	0.0088 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0022 ppm	0.0004 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	-0.0005 ppm	0.0000 ppm	-0.0001 ppm	0.0021 ppm	-0.0284 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0003 ppm	0.0021 ppm	0.0544 ppm	-0.0002 ppm
Concentration RSD	170.3 %	49.2 %	97.1 %	240.5 %	3.4 %	478.2 %	120.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0004 ppm	-0.0001 ppm	0.0008 ppm	0.0175 ppm	0.0000 ppm	0.1400 ppm	0.0023 ppm
Concentration per Run 1	0.0004 ppm	-0.0002 ppm	0.0009 ppm	0.0170 ppm	0.0001 ppm	0.1397 ppm	0.0027 ppm
Concentration per Run 2	0.0007 ppm	0.0001 ppm	0.0009 ppm	0.0145 ppm	0.0001 ppm	0.1403 ppm	0.0025 ppm
Concentration per Run 3	0.0002 ppm	-0.0001 ppm	0.0008 ppm	0.0209 ppm	-0.0001 ppm	0.1400 ppm	0.0016 ppm
Concentration RSD	65.7 %	219.4 %	8.5 %	18.2 %	320.9 %	0.2 %	24.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0098 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0008 ppm	0.0103 ppm	0.0009 ppm	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 2	0.0004 ppm	0.0100 ppm	0.0003 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	-0.0012 ppm	0.0092 ppm	0.0004 ppm	-0.0001 ppm	-0.0001 ppm	-0.0012 ppm	0.0001 ppm
Concentration RSD	4.273.6 %	5.4 %	65.9 %	271.1 %	111.2 %	229.5 %	120.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	105.0703 %	104.8597 %	104.3517 %	102.9761 %	99.4680 %	104.2811 %
Concentration per Run 1	0.0002 ppm	105.0734 %	104.8232 %	104.1228 %	102.8464 %	99.4545 %	104.1546 %
Concentration per Run 2	0.0002 ppm	104.9912 %	104.8933 %	104.7020 %	102.9917 %	99.4676 %	104.3028 %
Concentration per Run 3	0.0001 ppm	105.1462 %	104.8624 %	104.2302 %	103.0902 %	99.4820 %	104.3861 %
Concentration RSD	44.2 %	0.1 %	0.0 %	0.3 %	0.1 %	0.0 %	0.1 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2113121-3 WG2113121

Analysis started at: 9/11/2025 1:49:53 PM

Comments: <Comment>

Rack: 1

Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0472 ppm	1.9700 ppm	0.1076 ppm	0.8725 ppm	1.8877 ppm	0.0480 ppm	9.9299 ppm
Concentration per Run 1	0.0473 ppm	1.9661 ppm	0.1079 ppm	0.8692 ppm	1.8856 ppm	0.0480 ppm	9.8891 ppm
Concentration per Run 2	0.0473 ppm	1.9865 ppm	0.1067 ppm	0.8739 ppm	1.8978 ppm	0.0482 ppm	9.9883 ppm
Concentration per Run 3	0.0470 ppm	1.9573 ppm	0.1083 ppm	0.8743 ppm	1.8797 ppm	0.0478 ppm	9.9123 ppm
Concentration RSD	0.3 %	0.8 %	0.8 %	0.3 %	0.5 %	0.5 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0492 ppm	0.4603 ppm	0.1871 ppm	0.2423 ppm	0.9721 ppm	9.8081 ppm	0.0006 ppm
Concentration per Run 1	0.0492 ppm	0.4586 ppm	0.1866 ppm	0.2433 ppm	0.9721 ppm	9.8400 ppm	0.0006 ppm
Concentration per Run 2	0.0492 ppm	0.4613 ppm	0.1871 ppm	0.2412 ppm	0.9777 ppm	9.8483 ppm	0.0006 ppm
Concentration per Run 3	0.0493 ppm	0.4610 ppm	0.1874 ppm	0.2423 ppm	0.9666 ppm	9.7359 ppm	0.0005 ppm
Concentration RSD	0.2 %	0.3 %	0.2 %	0.4 %	0.6 %	0.6 %	10.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.3261 ppm	0.4858 ppm	0.9158 ppm	9.5836 ppm	0.4633 ppm	0.6355 ppm	0.4620 ppm
Concentration per Run 1	9.3416 ppm	0.4864 ppm	0.9160 ppm	9.5792 ppm	0.4613 ppm	0.6348 ppm	0.4597 ppm
Concentration per Run 2	9.3234 ppm	0.4888 ppm	0.9152 ppm	9.6393 ppm	0.4650 ppm	0.6355 ppm	0.4831 ppm
Concentration per Run 3	9.3133 ppm	0.4823 ppm	0.9162 ppm	9.5321 ppm	0.4635 ppm	0.6362 ppm	0.4632 ppm
Concentration RSD	0.2 %	0.7 %	0.1 %	0.6 %	0.4 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1054 ppm	0.7332 ppm	0.8885 ppm	0.9157 ppm	0.9253 ppm	0.1099 ppm	0.4855 ppm
Concentration per Run 1	0.1068 ppm	0.7318 ppm	0.8871 ppm	0.9139 ppm	0.9252 ppm	0.1100 ppm	0.4866 ppm
Concentration per Run 2	0.1039 ppm	0.7323 ppm	0.8909 ppm	0.9205 ppm	0.9252 ppm	0.1094 ppm	0.4854 ppm
Concentration per Run 3	0.1055 ppm	0.7355 ppm	0.8875 ppm	0.9126 ppm	0.9255 ppm	0.1104 ppm	0.4846 ppm
Concentration RSD	1.4 %	0.3 %	0.2 %	0.5 %	0.0 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4595 ppm	102.1289 %	101.0792 %	102.1469 %	99.9619 %	96.0662 %	100.6516 %
Concentration per Run 1	0.4588 ppm	102.1319 %	101.0979 %	102.2578 %	100.1017 %	96.2183 %	100.5480 %
Concentration per Run 2	0.4605 ppm	101.4564 %	101.2464 %	102.0491 %	99.1391 %	95.9880 %	100.7824 %
Concentration per Run 3	0.4591 ppm	102.7982 %	100.8933 %	102.1339 %	100.6448 %	95.9923 %	100.6243 %
Concentration RSD	0.2 %	0.7 %	0.2 %	0.1 %	0.8 %	0.1 %	0.1 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2113121-4 WG2113121

Analysis started at: 9/11/2025 1:55:53 PM

Comments: <Comment>

Rack: 1

Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0112 ppm	-0.0016 ppm	0.0027 ppm	0.0001 ppm	0.0000 ppm	0.0082 ppm
Concentration per Run 1	0.0005 ppm	0.0141 ppm	-0.0013 ppm	0.0029 ppm	0.0000 ppm	0.0000 ppm	0.0052 ppm
Concentration per Run 2	-0.0001 ppm	0.0160 ppm	-0.0021 ppm	0.0028 ppm	0.0001 ppm	0.0000 ppm	0.0081 ppm
Concentration per Run 3	0.0000 ppm	0.0034 ppm	-0.0014 ppm	0.0023 ppm	0.0001 ppm	0.0000 ppm	0.0112 ppm
Concentration RSD	212.2 %	60.5 %	26.1 %	13.0 %	56.4 %	86.3 %	36.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0045 ppm	0.0127 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0047 ppm	0.0497 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0001 ppm	-0.0006 ppm	0.0041 ppm	-0.0110 ppm	0.0016 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0048 ppm	-0.0005 ppm	0.0011 ppm
Concentration RSD	40.7 %	36.0 %	79.6 %	277.9 %	8.2 %	254.7 %	118.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0007 ppm	0.0002 ppm	0.0004 ppm	0.0126 ppm	-0.0001 ppm	0.1443 ppm	0.0011 ppm
Concentration per Run 1	0.0026 ppm	-0.0001 ppm	0.0004 ppm	0.0122 ppm	-0.0002 ppm	0.1456 ppm	0.0008 ppm
Concentration per Run 2	-0.0012 ppm	0.0004 ppm	0.0003 ppm	0.0117 ppm	-0.0001 ppm	0.1436 ppm	0.0013 ppm
Concentration per Run 3	0.0006 ppm	0.0003 ppm	0.0004 ppm	0.0140 ppm	0.0000 ppm	0.1436 ppm	0.0011 ppm
Concentration RSD	289.0 %	107.7 %	12.2 %	9.9 %	89.2 %	0.8 %	21.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0119 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run 1	0.0019 ppm	0.0118 ppm	-0.0003 ppm	0.0000 ppm	-0.0002 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 2	0.0010 ppm	0.0119 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0012 ppm	-0.0001 ppm
Concentration per Run 3	0.0010 ppm	0.0120 ppm	0.0003 ppm	-0.0001 ppm	0.0002 ppm	-0.0018 ppm	0.0000 ppm
Concentration RSD	41.0 %	0.8 %	16.631.3 %	136.6 %	408.5 %	35.6 %	89.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	103.1733 %	104.0332 %	100.8262 %	99.4594 %	103.1273 %
Concentration per Run 1	0.0006 ppm	103.4484 %	104.0468 %	104.2571 %	99.2345 %	103.3271 %
Concentration per Run 2	0.0006 ppm	103.2045 %	104.0232 %	104.4777 %	100.2060 %	103.1523 %
Concentration per Run 3	0.0006 ppm	102.8671 %	104.0296 %	104.4666 %	100.9093 %	102.9026 %
Concentration RSD	5.8 %	0.3 %	0.0 %	0.1 %	0.6 %	0.2 %

ICP DataTrace 4

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LabBook: WG2113404_0911125T4.imexp

Sample: CCV

Analysis started at: 9/11/2025 2:02:13 PM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4871 ppm	0.4870 ppm	0.4595 ppm	0.4497 ppm	0.4800 ppm	0.4870 ppm	0.5110 ppm
Concentration per Run 1	0.4867 ppm	0.4758 ppm	0.4569 ppm	0.4488 ppm	0.4825 ppm	0.4892 ppm	0.5118 ppm
Concentration per Run 2	0.4892 ppm	0.4827 ppm	0.4619 ppm	0.4508 ppm	0.4782 ppm	0.4861 ppm	0.5060 ppm
Concentration per Run 3	0.4852 ppm	0.5025 ppm	0.4597 ppm	0.4495 ppm	0.4793 ppm	0.4856 ppm	0.5152 ppm
Recovery Percentage 1	97.410 %	97.402 %	91.900 %	89.942 %	95.997 %	97.395 %	102.201 %
Concentration RSD	0.4 %	2.8 %	0.6 %	0.2 %	0.5 %	0.4 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4691 ppm	0.4699 ppm	0.4846 ppm	0.4967 ppm	0.4969 ppm	5.1385 ppm	0.4876 ppm
Concentration per Run 1	0.4693 ppm	0.4702 ppm	0.4854 ppm	0.4946 ppm	0.4994 ppm	5.1516 ppm	0.4881 ppm
Concentration per Run 2	0.4703 ppm	0.4708 ppm	0.4847 ppm	0.4999 ppm	0.4976 ppm	5.0885 ppm	0.4850 ppm
Concentration per Run 3	0.4677 ppm	0.4688 ppm	0.4837 ppm	0.4955 ppm	0.4939 ppm	5.1756 ppm	0.4898 ppm
Recovery Percentage 1	93.819 %	93.990 %	96.922 %	99.330 %	99.387 %	102.771 %	97.524 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.6 %	0.6 %	0.9 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5097 ppm	0.5024 ppm	0.4563 ppm	9.7939 ppm	0.4686 ppm	0.4781 ppm	0.4623 ppm
Concentration per Run 1	0.5093 ppm	0.5043 ppm	0.4547 ppm	9.8206 ppm	0.4677 ppm	0.4779 ppm	0.4612 ppm
Concentration per Run 2	0.5108 ppm	0.5012 ppm	0.4585 ppm	9.7713 ppm	0.4698 ppm	0.4784 ppm	0.4642 ppm
Concentration per Run 3	0.5091 ppm	0.5016 ppm	0.4555 ppm	9.7896 ppm	0.4684 ppm	0.4779 ppm	0.4616 ppm
Recovery Percentage 1	101.942 %	100.474 %	91.253 %	97.939 %	93.725 %	95.610 %	92.462 %
Concentration RSD	0.2 %	0.3 %	0.4 %	0.3 %	0.2 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4610 ppm	5.0226 ppm	0.4638 ppm	0.4829 ppm	0.4803 ppm	0.4831 ppm	0.4933 ppm
Concentration per Run 1	0.4590 ppm	5.0205 ppm	0.4642 ppm	0.4849 ppm	0.4797 ppm	0.4819 ppm	0.4913 ppm
Concentration per Run 2	0.4646 ppm	5.0385 ppm	0.4645 ppm	0.4810 ppm	0.4813 ppm	0.4850 ppm	0.4957 ppm
Concentration per Run 3	0.4593 ppm	5.0088 ppm	0.4627 ppm	0.4829 ppm	0.4798 ppm	0.4824 ppm	0.4930 ppm
Recovery Percentage 1	92.191 %	95.668 %	92.752 %	96.587 %	96.056 %	96.622 %	98.665 %
Concentration RSD	0.7 %	0.3 %	0.2 %	0.4 %	0.2 %	0.3 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {448} (Axial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4751 ppm	101.3027 %	101.6677 %	104.1236 %	99.4476 %	100.8148 %	101.4887 %
Concentration per Run 1	0.4751 ppm	100.9319 %	101.7627 %	104.0873 %	99.0781 %	100.7612 %	101.6962 %
Concentration per Run 2	0.4761 ppm	101.9706 %	101.4700 %	104.1280 %	99.7793 %	100.5796 %	101.2232 %
Concentration per Run 3	0.4742 ppm	101.0056 %	101.7705 %	104.1554 %	99.4854 %	101.1035 %	101.5466 %
Recovery Percentage 1	95.023 %						
Concentration RSD	0.2 %	0.6 %	0.2 %	0.0 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_0911125T4.imexp

Sample: CCB

Analysis started at: 9/11/2025 2:08:15 PM

Comments: <Comment>

Rack: 0

Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0043 ppm	0.0000 ppm	0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	0.0001 ppm	0.0054 ppm	0.0001 ppm	0.0015 ppm	0.0002 ppm	0.0001 ppm	-0.0047 ppm
Concentration per Run 2	0.0002 ppm	0.0034 ppm	-0.0002 ppm	0.0019 ppm	0.0002 ppm	0.0000 ppm	0.0062 ppm
Concentration per Run 3	-0.0001 ppm	0.0042 ppm	0.0001 ppm	0.0017 ppm	0.0001 ppm	0.0000 ppm	-0.0007 ppm
Recovery Percentage 1	2.036 %	4.328 %	-0.268 %	5.682 %	1.331 %	0.986 %	0.276 %
Concentration RSD	167.7 %	22.6 %	1.5216 %	10.3 %	54.1 %	70.0 %	1.982.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0025 ppm	0.0141 ppm	-0.0005 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0024 ppm	-0.0094 ppm	-0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0025 ppm	0.0345 ppm	-0.0017 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0025 ppm	0.0172 ppm	0.0002 ppm
Recovery Percentage 1	2.142 %	-0.154 %	-2.360 %	1.213 %	4.998 %	0.563 %	-5.450 %
Concentration RSD	47.3 %	127.3 %	85.6 %	85.0 %	2.4 %	157.0 %	186.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0010 ppm	0.0002 ppm	0.0003 ppm	0.0029 ppm	0.0003 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 1	-0.0003 ppm	0.0002 ppm	0.0004 ppm	0.0066 ppm	0.0004 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0023 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0002 ppm	0.0004 ppm	-0.0009 ppm
Concentration per Run 3	0.0010 ppm	0.0002 ppm	0.0002 ppm	0.0016 ppm	0.0003 ppm	-0.0006 ppm	0.0006 ppm
Recovery Percentage 1	1.017 %	1.540 %	0.638 %	0.144 %	1.231 %	-2.027 %	-0.166 %
Concentration RSD	130.3 %	84.1 %	22.8 %	112.9 %	38.7 %	264.6 %	912.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.969 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 1	-0.0013 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run 3	-0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0011 ppm	-0.0001 ppm
Recovery Percentage 1	-5.002 %	0.007 %	0.048 %	0.368 %	2.920 %	5.107 %	0.644 %
Concentration RSD	138.7 %	525.5 %	435.3 %	142.1 %	51.6 %	11.1 %	206.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	101.6670 %	102.4129 %	104.2404 %	99.1405 %	102.9308 %	101.1437 %
Concentration per Run 1	0.0004 ppm	101.9976 %	102.3539 %	104.3284 %	99.0975 %	103.2304 %	101.0723 %
Concentration per Run 2	0.0005 ppm	101.0621 %	102.5638 %	104.2958 %	98.9121 %	102.6627 %	101.1438 %
Concentration per Run 3	0.0004 ppm	101.9413 %	102.3210 %	104.0970 %	99.4117 %	102.8993 %	101.2148 %
Recovery Percentage 1	8.269 %						
Concentration RSD	8.7 %	0.5 %	0.1 %	0.1 %	0.3 %	0.3 %	0.1 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: WG2113019-2 WG2113019

Analysis started at: 9/11/2025 2:20:45 PM

Comments: <Comment>

Rack: 1

Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0512 ppm	2.0471 ppm	0.1167 ppm	0.8922 ppm	1.9376 ppm	0.0494 ppm	10.0437 ppm
Concentration per Run 1	0.0514 ppm	2.0446 ppm	0.1152 ppm	0.8930 ppm	1.9355 ppm	0.0496 ppm	10.0481 ppm
Concentration per Run 2	0.0515 ppm	2.0504 ppm	0.1184 ppm	0.8916 ppm	1.9458 ppm	0.0495 ppm	10.1066 ppm
Concentration per Run 3	0.0509 ppm	2.0463 ppm	0.1166 ppm	0.8919 ppm	1.9314 ppm	0.0492 ppm	9.9764 ppm
Concentration RSD	0.6 %	0.1 %	1.4 %	0.1 %	0.4 %	0.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0504 ppm	0.4647 ppm	0.1942 ppm	0.2449 ppm	1.0081 ppm	10.1988 ppm	0.0000 ppm
Concentration per Run 1	0.0506 ppm	0.4651 ppm	0.1951 ppm	0.2472 ppm	1.0099 ppm	10.2152 ppm	0.0000 ppm
Concentration per Run 2	0.0504 ppm	0.4654 ppm	0.1940 ppm	0.2438 ppm	1.0093 ppm	10.2215 ppm	0.0010 ppm
Concentration per Run 3	0.0503 ppm	0.4637 ppm	0.1936 ppm	0.2437 ppm	1.0052 ppm	10.1599 ppm	-0.0009 ppm
Concentration RSD	0.3 %	0.2 %	0.4 %	0.8 %	0.3 %	0.3 %	5.004.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.8407 ppm	0.5030 ppm	0.9037 ppm	9.9824 ppm	0.4714 ppm	0.5014 ppm	0.4702 ppm
Concentration per Run 1	9.8776 ppm	0.5015 ppm	0.9054 ppm	9.9934 ppm	0.4719 ppm	0.5027 ppm	0.4682 ppm
Concentration per Run 2	9.8231 ppm	0.5025 ppm	0.8982 ppm	10.0008 ppm	0.4706 ppm	0.4998 ppm	0.4723 ppm
Concentration per Run 3	9.8213 ppm	0.5048 ppm	0.9053 ppm	9.9471 ppm	0.4718 ppm	0.5018 ppm	0.4700 ppm
Concentration RSD	0.3 %	0.3 %	0.5 %	0.3 %	0.1 %	0.3 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1122 ppm	1.0250 ppm	0.9037 ppm	0.9357 ppm	0.9515 ppm	0.1149 ppm	0.5000 ppm
Concentration per Run 1	0.1132 ppm	1.0273 ppm	0.9055 ppm	0.9349 ppm	0.9526 ppm	0.1150 ppm	0.5014 ppm
Concentration per Run 2	0.1116 ppm	1.0242 ppm	0.9029 ppm	0.9386 ppm	0.9503 ppm	0.1149 ppm	0.4989 ppm
Concentration per Run 3	0.1119 ppm	1.0236 ppm	0.9026 ppm	0.9335 ppm	0.9515 ppm	0.1148 ppm	0.4996 ppm
Concentration RSD	0.8 %	0.2 %	0.2 %	0.3 %	0.1 %	0.1 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4754 ppm	102.7864 %	102.1128 %	100.9378 %	100.3031 %	101.8965 %
Concentration per Run 1	0.4772 ppm	101.9981 %	101.9097 %	103.5707 %	100.7494 %	101.7113 %
Concentration per Run 2	0.4747 ppm	103.1192 %	102.1272 %	103.6318 %	100.8723 %	102.0572 %
Concentration per Run 3	0.4743 ppm	103.2418 %	102.3014 %	103.1555 %	101.1915 %	101.9209 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.3 %	0.2 %	0.2 %

ICP DataTrace 4

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LabBook: WG2113404_091125T4.imexp

Sample: I2553860-09 WG2109670

Analysis started at: 9/11/2025 2:38:07 PM

Comments: <Comment>

Rack: 1

Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0110 ppm	-0.0002 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	0.0083 ppm
Concentration per Run 1	-0.0003 ppm	0.0125 ppm	-0.0005 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0119 ppm
Concentration per Run 2	0.0001 ppm	0.0151 ppm	0.0003 ppm	0.0014 ppm	0.0004 ppm	0.0000 ppm	0.0084 ppm
Concentration per Run 3	0.0000 ppm	0.0053 ppm	-0.0003 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	0.0045 ppm
Concentration RSD	226.4 %	46.2 %	225.7 %	20.3 %	73.2 %	955.6 %	45.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0020 ppm	0.0123 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0024 ppm	0.0095 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0021 ppm	-0.0120 ppm	0.0014 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0016 ppm	0.0393 ppm	-0.0011 ppm
Concentration RSD	177.8 %	158.7 %	57.9 %	91.4 %	21.1 %	209.9 %	959.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0017 ppm	-0.0002 ppm	0.0002 ppm	-0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run 1	0.0022 ppm	-0.0001 ppm	0.0002 ppm	0.0034 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 2	0.0028 ppm	-0.0003 ppm	0.0002 ppm	-0.0039 ppm	-0.0002 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 3	0.0002 ppm	-0.0001 ppm	0.0002 ppm	-0.0025 ppm	0.0001 ppm	-0.0001 ppm	0.0019 ppm
Concentration RSD	80.0 %	62.5 %	10.9 %	389.9 %	532.5 %	645.8 %	70.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	0.0095 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	-0.0013 ppm	0.0091 ppm	-0.0006 ppm	0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0007 ppm	0.0100 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 3	0.0015 ppm	0.0093 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	455.1 %	5.0 %	75.7 %	62.1 %	62.6 %	484.9 %	39.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	103.3738 %	104.6594 %	101.9610 %	105.0080 %	103.7187 %
Concentration per Run 1	0.0003 ppm	103.2165 %	104.9334 %	105.3252 %	104.8942 %	104.0066 %
Concentration per Run 2	0.0004 ppm	103.3473 %	104.8075 %	105.2094 %	105.0047 %	103.5969 %
Concentration per Run 3	0.0003 ppm	103.5577 %	104.2374 %	105.3040 %	105.1251 %	103.5526 %
Concentration RSD	21.9 %	0.2 %	0.4 %	0.1 %	0.5 %	0.1 %
						0.2 %

ICP DataTrace 4

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LabBook: WG2113404_0911125T4.imexp

Sample: I2553924-01D10 WG2109670

Analysis started at: 9/11/2025 2:44:27 PM

Comments: <Comment>

Rack: 1

Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0099 ppm	-0.0014 ppm	0.0010 ppm	0.0004 ppm	0.0000 ppm	0.0177 ppm
Concentration per Run 1	0.0000 ppm	0.0104 ppm	-0.0012 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0182 ppm
Concentration per Run 2	0.0002 ppm	0.0105 ppm	-0.0017 ppm	0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0153 ppm
Concentration per Run 3	-0.0002 ppm	0.0090 ppm	-0.0014 ppm	0.0009 ppm	0.0004 ppm	0.0000 ppm	0.0196 ppm
Concentration RSD	2.848.1 %	8.7 %	15.3 %	24.9 %	13.9 %	120.4 %	12.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0112 ppm	0.0230 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0112 ppm	0.0136 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0101 ppm	0.0325 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0123 ppm	0.0230 ppm	-0.0007 ppm
Concentration RSD	50.7 %	270.3 %	185.0 %	140.2 %	9.6 %	41.0 %	781.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0039 ppm	0.0000 ppm	0.0001 ppm	0.1149 ppm	-0.0001 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 1	0.0037 ppm	0.0002 ppm	0.0000 ppm	0.1160 ppm	0.0000 ppm	-0.0003 ppm	0.0005 ppm
Concentration per Run 2	0.0047 ppm	-0.0001 ppm	0.0002 ppm	0.1106 ppm	0.0000 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run 3	0.0032 ppm	-0.0001 ppm	0.0002 ppm	0.1181 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm
Concentration RSD	19.7 %	1.651.8 %	107.0 %	3.4 %	137.4 %	125.7 %	157.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0009 ppm	0.0033 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 1	-0.0003 ppm	0.0032 ppm	0.0007 ppm	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 2	0.0006 ppm	0.0035 ppm	0.0006 ppm	-0.0001 ppm	0.0003 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 3	-0.0030 ppm	0.0031 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0002 ppm
Concentration RSD	211.9 %	6.8 %	41.3 %	109.3 %	155.7 %	223.1 %	37.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	102.9516 %	102.8944 %	104.6833 %	100.2029 %	103.8886 %	101.8839 %
Concentration per Run 1	0.0004 ppm	102.9612 %	102.7119 %	104.6409 %	100.0541 %	103.5402 %	101.8773 %
Concentration per Run 2	0.0005 ppm	103.0148 %	103.0942 %	104.8000 %	100.3594 %	103.8873 %	102.1614 %
Concentration per Run 3	0.0003 ppm	102.8788 %	102.8771 %	104.6090 %	100.1952 %	104.2384 %	101.6129 %
Concentration RSD	19.8 %	0.1 %	0.2 %	0.1 %	0.2 %	0.3 %	0.3 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: I2554320-06 WG2109670

Analysis started at: 9/11/2025 2:50:50 PM

Comments: <Comment>

Rack: 1

Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0107 ppm	-0.0004 ppm	0.0028 ppm	0.0002 ppm	0.0000 ppm	0.0111 ppm
Concentration per Run 1	-0.0001 ppm	0.0154 ppm	-0.0002 ppm	0.0028 ppm	0.0002 ppm	0.0000 ppm	0.0123 ppm
Concentration per Run 2	0.0000 ppm	0.0084 ppm	0.0006 ppm	0.0028 ppm	0.0003 ppm	-0.0001 ppm	0.0107 ppm
Concentration per Run 3	0.0001 ppm	0.0082 ppm	-0.0015 ppm	0.0030 ppm	0.0001 ppm	0.0000 ppm	0.0103 ppm
Concentration RSD	1.560.1 %	38.2 %	287.9 %	3.4 %	43.3 %	146.0 %	9.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0093 ppm	0.0135 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0091 ppm	0.0023 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0108 ppm	0.0197 ppm	-0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm	0.0079 ppm	0.0186 ppm	0.0004 ppm
Concentration RSD	351.6 %	118.1 %	85.9 %	450.5 %	15.5 %	72.0 %	375.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0023 ppm	0.0000 ppm	-0.0002 ppm	-0.0033 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run 1	0.0020 ppm	0.0001 ppm	0.0003 ppm	-0.0061 ppm	0.0002 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.0033 ppm	-0.0001 ppm	0.0001 ppm	-0.0052 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 3	0.0015 ppm	0.0000 ppm	0.0001 ppm	0.0014 ppm	0.0001 ppm	-0.0014 ppm	-0.0001 ppm
Concentration RSD	40.6 %	1.514.4 %	72.9 %	124.9 %	50.5 %	163.4 %	1.183.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	0.0110 ppm	-0.0007 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0029 ppm	0.0116 ppm	-0.0010 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	0.0006 ppm	0.0110 ppm	-0.0009 ppm	-0.0001 ppm	0.0003 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run 3	0.0002 ppm	0.0105 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm
Concentration RSD	117.6 %	4.8 %	53.9 %	43.2 %	48.5 %	271.7 %	1.353.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0015 ppm	105.0127 %	104.8790 %	105.2074 %	101.5732 %	104.5321 %	103.1722 %
Concentration per Run 1	0.0015 ppm	105.2400 %	104.9412 %	105.1736 %	101.4823 %	104.7079 %	103.5245 %
Concentration per Run 2	0.0016 ppm	105.2792 %	104.8138 %	105.3954 %	102.1710 %	104.5278 %	102.8105 %
Concentration per Run 3	0.0014 ppm	104.5188 %	104.8818 %	105.0531 %	101.0661 %	104.3606 %	103.1816 %
Concentration RSD	4.7 %	0.4 %	0.1 %	0.2 %	0.5 %	0.2 %	0.3 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: I2554681-01 WG2109670

Analysis started at: 9/11/2025 2:57:12 PM

Comments: <Comment>

Rack: 1

Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0067 ppm	-0.0008 ppm	0.0022 ppm	0.0010 ppm	0.0000 ppm	3.9756 ppm
Concentration per Run 1	-0.0003 ppm	0.0071 ppm	-0.0001 ppm	0.0023 ppm	0.0011 ppm	0.0000 ppm	3.9968 ppm
Concentration per Run 2	0.0001 ppm	0.0052 ppm	-0.0005 ppm	0.0022 ppm	0.0010 ppm	0.0000 ppm	3.9636 ppm
Concentration per Run 3	0.0000 ppm	0.0077 ppm	-0.0016 ppm	0.0023 ppm	0.0010 ppm	0.0000 ppm	3.9663 ppm
Concentration RSD	252.3 %	19.8 %	104.0 %	3.0 %	7.8 %	100.7 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm	0.6609 ppm	0.0013 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm	0.0024 ppm	0.6666 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0016 ppm	0.6530 ppm	0.0013 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0013 ppm	0.6630 ppm	0.0017 ppm
Concentration RSD	255.2 %	170.0 %	327.2 %	4.788.5 %	32.9 %	1.1 %	34.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7744 ppm	0.0001 ppm	-0.0007 ppm	3.1110 ppm	-0.0001 ppm	0.0028 ppm	0.0005 ppm
Concentration per Run 1	0.7789 ppm	-0.0001 ppm	0.0008 ppm	3.1146 ppm	-0.0001 ppm	0.0034 ppm	0.0009 ppm
Concentration per Run 2	0.7732 ppm	0.0002 ppm	0.0006 ppm	3.1225 ppm	-0.0001 ppm	0.0022 ppm	0.0011 ppm
Concentration per Run 3	0.7712 ppm	0.0000 ppm	0.0008 ppm	3.0961 ppm	-0.0002 ppm	0.0028 ppm	-0.0004 ppm
Concentration RSD	0.5 %	318.2 %	8.8 %	0.4 %	35.2 %	20.1 %	152.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	6.6301 ppm	-0.0003 ppm	0.0331 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0010 ppm	6.6559 ppm	-0.0003 ppm	0.0331 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 2	-0.0038 ppm	6.6216 ppm	-0.0004 ppm	0.0330 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 3	0.0012 ppm	6.6128 ppm	-0.0003 ppm	0.0330 ppm	-0.0001 ppm	0.0003 ppm	0.0003 ppm
Concentration RSD	521.1 %	0.3 %	14.8 %	0.2 %	49.7 %	107.6 %	25.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0012 ppm	105.3897 %	104.1909 %	101.9804 %	104.1836 %	103.0295 %
Concentration per Run 1	0.0012 ppm	105.1556 %	103.6748 %	101.8549 %	103.9054 %	102.5841 %
Concentration per Run 2	0.0013 ppm	105.3587 %	104.4528 %	102.0735 %	104.2195 %	103.2294 %
Concentration per Run 3	0.0012 ppm	105.6549 %	104.4452 %	102.0128 %	104.4258 %	103.2751 %
Concentration RSD	3.8 %	0.2 %	0.4 %	0.1 %	0.3 %	0.4 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: I2554681-02 WG2109670

Analysis started at: 9/11/2025 3:03:32 PM

Comments: <Comment>

Rack: 1

Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0127 ppm	-0.0007 ppm	0.0036 ppm	0.0023 ppm	0.0000 ppm	1.1400 ppm
Concentration per Run 1	-0.0002 ppm	0.0160 ppm	-0.0006 ppm	0.0037 ppm	0.0024 ppm	0.0000 ppm	1.1383 ppm
Concentration per Run 2	-0.0001 ppm	0.0089 ppm	-0.0009 ppm	0.0036 ppm	0.0022 ppm	0.0000 ppm	1.1381 ppm
Concentration per Run 3	-0.0001 ppm	0.0132 ppm	-0.0008 ppm	0.0034 ppm	0.0024 ppm	0.0000 ppm	1.1435 ppm
Concentration RSD	43.0 %	28.2 %	20.4 %	3.4 %	3.9 %	271.8 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0032 ppm	0.3710 ppm	-0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0039 ppm	0.3530 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0002 ppm	0.0024 ppm	0.3864 ppm	-0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0003 ppm	0.0003 ppm	0.0032 ppm	0.3737 ppm	-0.0002 ppm
Concentration RSD	84.5 %	192.4 %	75.4 %	40.8 %	23.4 %	4.5 %	63.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1508 ppm	0.0038 ppm	0.0000 ppm	12.1435 ppm	-0.0001 ppm	0.0013 ppm	-0.0005 ppm
Concentration per Run 1	0.1519 ppm	0.0040 ppm	0.0001 ppm	12.1716 ppm	0.0002 ppm	0.0010 ppm	-0.0009 ppm
Concentration per Run 2	0.1500 ppm	0.0037 ppm	0.0000 ppm	12.1396 ppm	-0.0002 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 3	0.1506 ppm	0.0036 ppm	0.0001 ppm	12.1193 ppm	-0.0002 ppm	0.0019 ppm	-0.0005 ppm
Concentration RSD	0.7 %	5.2 %	154.4 %	0.2 %	249.7 %	39.1 %	103.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	4.3315 ppm	-0.0006 ppm	0.0133 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	-0.0005 ppm	4.3370 ppm	-0.0007 ppm	0.0133 ppm	-0.0001 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0022 ppm	4.3342 ppm	0.0001 ppm	0.0132 ppm	0.0001 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run 3	-0.0003 ppm	4.3232 ppm	-0.0013 ppm	0.0133 ppm	0.0001 ppm	-0.0010 ppm	0.0003 ppm
Concentration RSD	327.7 %	0.2 %	105.0 %	0.4 %	9.6350 %	1.841.6 %	57.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0180 ppm	106.0031 %	103.6776 %	104.4481 %	102.1323 %	103.3646 %	102.0587 %
Concentration per Run 1	0.0180 ppm	106.1886 %	103.9301 %	104.2172 %	102.6457 %	103.3591 %	102.2903 %
Concentration per Run 2	0.0179 ppm	106.2988 %	103.6250 %	104.4344 %	102.1724 %	103.3344 %	101.9079 %
Concentration per Run 3	0.0179 ppm	105.5220 %	103.4775 %	104.6926 %	101.5790 %	103.4002 %	101.9719 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.2 %	0.5 %	0.0 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: I2554681-03 WG2109670

Analysis started at: 9/11/2025 3:09:53 PM

Comments: <Comment>

Rack: 1

Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0126 ppm	-0.0005 ppm	0.0054 ppm	0.0205 ppm	0.0000 ppm	2.2531 ppm
Concentration per Run 1	0.0002 ppm	0.0171 ppm	0.0003 ppm	0.0053 ppm	0.0205 ppm	0.0000 ppm	2.2585 ppm
Concentration per Run 2	-0.0002 ppm	0.0131 ppm	-0.0003 ppm	0.0056 ppm	0.0206 ppm	0.0000 ppm	2.2446 ppm
Concentration per Run 3	0.0003 ppm	0.0077 ppm	-0.0012 ppm	0.0054 ppm	0.0205 ppm	0.0000 ppm	2.2561 ppm
Concentration RSD	240.7 %	37.0 %	127.7 %	2.5 %	0.2 %	54.5 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0026 ppm	0.8622 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0025 ppm	0.9081 ppm	-0.0009 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0019 ppm	0.8273 ppm	0.0004 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0034 ppm	0.8510 ppm	0.0006 ppm
Concentration RSD	39.5 %	51.0 %	49.3 %	32.1 %	29.9 %	4.8 %	2.774.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3424 ppm	0.0073 ppm	0.0011 ppm	37.8095 ppm	0.0001 ppm	0.0020 ppm	0.0006 ppm
Concentration per Run 1	0.3419 ppm	0.0072 ppm	0.0011 ppm	37.9133 ppm	0.0001 ppm	0.0018 ppm	0.0009 ppm
Concentration per Run 2	0.3423 ppm	0.0074 ppm	0.0011 ppm	37.7744 ppm	-0.0002 ppm	0.0020 ppm	0.0012 ppm
Concentration per Run 3	0.3432 ppm	0.0073 ppm	0.0011 ppm	37.7408 ppm	0.0003 ppm	0.0022 ppm	-0.0002 ppm
Concentration RSD	0.2 %	1.2 %	2.1 %	0.2 %	341.0 %	11.1 %	116.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	3.6519 ppm	-0.0008 ppm	0.0274 ppm	0.0000 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 1	0.0012 ppm	3.6545 ppm	-0.0013 ppm	0.0275 ppm	0.0001 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0011 ppm	3.6480 ppm	-0.0007 ppm	0.0275 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 3	0.0005 ppm	3.6533 ppm	-0.0005 ppm	0.0272 ppm	0.0000 ppm	0.0011 ppm	0.0001 ppm
Concentration RSD	39.0 %	0.1 %	51.2 %	0.6 %	77.1 %	44.8 %	105.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0604 ppm	104.9467 %	101.8080 %	101.3636 %	100.4807 %	100.8414 %
Concentration per Run 1	0.0606 ppm	105.4640 %	102.0299 %	103.6673 %	100.3025 %	100.9434 %
Concentration per Run 2	0.0602 ppm	104.6291 %	101.3217 %	103.6342 %	100.5607 %	100.4059 %
Concentration per Run 3	0.0605 ppm	104.7470 %	102.0723 %	103.8513 %	101.1393 %	101.1749 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.1 %	0.3 %	0.4 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: I2554681-04 WG2109670

Analysis started at: 9/11/2025 3:16:11 PM

Comments: <Comment>

Rack: 1

Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0213 ppm	-0.0007 ppm	0.0068 ppm	0.0096 ppm	0.0000 ppm	2.6507 ppm
Concentration per Run 1	0.0003 ppm	0.0235 ppm	-0.0008 ppm	0.0066 ppm	0.0097 ppm	0.0000 ppm	2.6604 ppm
Concentration per Run 2	-0.0001 ppm	0.0242 ppm	-0.0004 ppm	0.0068 ppm	0.0095 ppm	0.0000 ppm	2.6527 ppm
Concentration per Run 3	-0.0003 ppm	0.0161 ppm	-0.0008 ppm	0.0070 ppm	0.0095 ppm	0.0000 ppm	2.6391 ppm
Concentration RSD	1.939.3 %	21.2 %	32.4 %	2.4 %	1.2 %	261.4 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0044 ppm	0.9042 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0008 ppm	0.0048 ppm	0.8865 ppm	0.0018 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0038 ppm	0.9026 ppm	-0.0004 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0046 ppm	0.9236 ppm	-0.0009 ppm
Concentration RSD	37.5 %	48.7 %	831.5 %	79.0 %	11.7 %	2.1 %	827.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4021 ppm	0.0061 ppm	0.0000 ppm	8.0678 ppm	0.0008 ppm	0.0012 ppm	-0.0003 ppm
Concentration per Run 1	0.4016 ppm	0.0060 ppm	-0.0001 ppm	8.1032 ppm	0.0007 ppm	0.0014 ppm	-0.0008 ppm
Concentration per Run 2	0.4026 ppm	0.0063 ppm	0.0001 ppm	8.0508 ppm	0.0009 ppm	0.0012 ppm	-0.0004 ppm
Concentration per Run 3	0.4019 ppm	0.0061 ppm	0.0000 ppm	8.0494 ppm	0.0009 ppm	0.0010 ppm	0.0004 ppm
Concentration RSD	0.1 %	2.9 %	526.7 %	0.4 %	13.5 %	17.7 %	243.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0004 ppm	3.6211 ppm	-0.0006 ppm	0.0194 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	3.6319 ppm	-0.0010 ppm	0.0194 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	3.6120 ppm	-0.0001 ppm	0.0193 ppm	0.0004 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 3	-0.0014 ppm	3.6195 ppm	-0.0006 ppm	0.0193 ppm	0.0002 ppm	-0.0010 ppm	0.0001 ppm
Concentration RSD	238.1 %	0.3 %	86.3 %	0.4 %	38.0 %	354.5 %	47.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0249 ppm	105.4655 %	104.0785 %	105.4596 %	101.7690 %	103.8520 %	102.9042 %
Concentration per Run 1	0.0251 ppm	104.0607 %	104.2944 %	105.5173 %	100.7873 %	103.5968 %	102.9819 %
Concentration per Run 2	0.0249 ppm	106.3172 %	104.0537 %	105.4803 %	102.4152 %	104.1609 %	102.9618 %
Concentration per Run 3	0.0248 ppm	106.0187 %	103.8872 %	105.3812 %	102.1044 %	103.7984 %	102.7690 %
Concentration RSD	0.6 %	1.2 %	0.2 %	0.1 %	0.8 %	0.3 %	0.1 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: I2554681-05 WG2109670

Analysis started at: 9/11/2025 3:22:27 PM

Comments <Comment>

Rack: 1

Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0213 ppm	-0.0005 ppm	0.0087 ppm	0.0162 ppm	0.0000 ppm	3.0370 ppm
Concentration per Run 1	-0.0002 ppm	0.0217 ppm	-0.0015 ppm	0.0086 ppm	0.0163 ppm	0.0000 ppm	3.0303 ppm
Concentration per Run 2	-0.0003 ppm	0.0198 ppm	0.0000 ppm	0.0090 ppm	0.0163 ppm	0.0000 ppm	3.0493 ppm
Concentration per Run 3	0.0004 ppm	0.0225 ppm	0.0001 ppm	0.0087 ppm	0.0161 ppm	0.0000 ppm	3.0315 ppm
Concentration RSD	711.9 %	6.5 %	187.8 %	2.4 %	0.5 %	23.2 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0042 ppm	1.1305 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0030 ppm	1.1419 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0046 ppm	1.1477 ppm	0.0011 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	-0.0002 ppm	0.0003 ppm	0.0049 ppm	1.1020 ppm	0.0009 ppm
Concentration RSD	54.5 %	84.0 %	266.6 %	39.4 %	24.1 %	2.2 %	152.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4567 ppm	0.0049 ppm	0.0001 ppm	10.1409 ppm	0.0001 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run 1	0.4542 ppm	0.0051 ppm	0.0001 ppm	10.1799 ppm	0.0003 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run 2	0.4560 ppm	0.0047 ppm	0.0001 ppm	10.1425 ppm	0.0001 ppm	0.0017 ppm	-0.0004 ppm
Concentration per Run 3	0.4597 ppm	0.0051 ppm	0.0001 ppm	10.1004 ppm	0.0000 ppm	0.0017 ppm	0.0004 ppm
Concentration RSD	0.6 %	4.7 %	25.7 %	0.4 %	138.9 %	9.6 %	559.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0008 ppm	3.4243 ppm	-0.0006 ppm	0.0175 ppm	0.0001 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run 1	-0.0005 ppm	3.4182 ppm	-0.0009 ppm	0.0176 ppm	0.0002 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run 2	0.0002 ppm	3.4282 ppm	-0.0006 ppm	0.0174 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	-0.0021 ppm	3.4264 ppm	-0.0003 ppm	0.0174 ppm	0.0000 ppm	0.0013 ppm	0.0000 ppm
Concentration RSD	147.7 %	0.2 %	45.9 %	0.8 %	147.5 %	57.5 %	262.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0192 ppm	105.3992 %	104.1910 %	101.2153 %	103.5978 %	102.8947 %
Concentration per Run 1	0.0191 ppm	105.4955 %	104.6432 %	101.0676 %	103.6974 %	103.1838 %
Concentration per Run 2	0.0191 ppm	105.7104 %	104.0108 %	101.4537 %	103.5873 %	102.8171 %
Concentration per Run 3	0.0193 ppm	104.9917 %	103.9191 %	101.1247 %	103.5087 %	102.6833 %
Concentration RSD	0.5 %	0.3 %	0.4 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_0911125T4.imexp

CCV

Sample: Analysis started at: 9/11/2025 3:32:51 PM

Comments: <Comment>

Rack: 0

Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4821 ppm	0.4840 ppm	0.4510 ppm	0.4437 ppm	0.4708 ppm	0.4793 ppm	0.5052 ppm
Concentration per Run 1	0.4818 ppm	0.4865 ppm	0.4517 ppm	0.4449 ppm	0.4735 ppm	0.4812 ppm	0.5088 ppm
Concentration per Run 2	0.4826 ppm	0.4830 ppm	0.4497 ppm	0.4428 ppm	0.4697 ppm	0.4784 ppm	0.4977 ppm
Concentration per Run 3	0.4819 ppm	0.4825 ppm	0.4516 ppm	0.4435 ppm	0.4692 ppm	0.4783 ppm	0.5090 ppm
Recovery Percentage 1	96.420 %	96.798 %	90.196 %	88.746 %	94.164 %	95.861 %	101.032 %
Concentration RSD	0.1 %	0.4 %	0.2 %	0.2 %	0.5 %	0.3 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4576 ppm	0.4600 ppm	0.4723 ppm	0.4918 ppm	0.4911 ppm	5.0812 ppm	0.4792 ppm
Concentration per Run 1	0.4576 ppm	0.4603 ppm	0.4721 ppm	0.4920 ppm	0.4917 ppm	5.1184 ppm	0.4814 ppm
Concentration per Run 2	0.4576 ppm	0.4597 ppm	0.4738 ppm	0.4924 ppm	0.4891 ppm	5.0834 ppm	0.4785 ppm
Concentration per Run 3	0.4575 ppm	0.4601 ppm	0.4711 ppm	0.4911 ppm	0.4924 ppm	5.0419 ppm	0.4775 ppm
Recovery Percentage 1	91.512 %	92.006 %	94.467 %	98.362 %	98.213 %	101.624 %	95.830 %
Concentration RSD	0.0 %	0.1 %	0.3 %	0.1 %	0.4 %	0.8 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5012 ppm	0.4948 ppm	0.4457 ppm	9.6488 ppm	0.4605 ppm	0.4688 ppm	0.4556 ppm
Concentration per Run 1	0.4997 ppm	0.4975 ppm	0.4457 ppm	9.7073 ppm	0.4613 ppm	0.4691 ppm	0.4566 ppm
Concentration per Run 2	0.5032 ppm	0.4935 ppm	0.4446 ppm	9.6287 ppm	0.4590 ppm	0.4678 ppm	0.4544 ppm
Concentration per Run 3	0.5007 ppm	0.4935 ppm	0.4488 ppm	9.6105 ppm	0.4611 ppm	0.4695 ppm	0.4557 ppm
Recovery Percentage 1	100.241 %	98.965 %	89.272 %	96.488 %	92.092 %	93.761 %	91.116 %
Concentration RSD	0.4 %	0.5 %	0.5 %	0.5 %	0.3 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4534 ppm	4.9550 ppm	0.4527 ppm	0.4706 ppm	0.4724 ppm	0.4777 ppm	0.4871 ppm
Concentration per Run 1	0.4531 ppm	4.9523 ppm	0.4531 ppm	0.4731 ppm	0.4732 ppm	0.4765 ppm	0.4857 ppm
Concentration per Run 2	0.4529 ppm	4.9503 ppm	0.4532 ppm	0.4688 ppm	0.4722 ppm	0.4790 ppm	0.4876 ppm
Concentration per Run 3	0.4540 ppm	4.9624 ppm	0.4518 ppm	0.4700 ppm	0.4717 ppm	0.4775 ppm	0.4880 ppm
Recovery Percentage 1	90.671 %	94.381 %	90.542 %	94.128 %	94.472 %	95.534 %	97.420 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.5 %	0.2 %	0.3 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4608 ppm	103.1621 %	103.1542 %	104.9369 %	100.5045 %	101.7891 %	102.4481 %
Concentration per Run 1	0.4615 ppm	102.3104 %	103.1097 %	104.6084 %	99.8044 %	101.4800 %	102.5849 %
Concentration per Run 2	0.4595 ppm	103.2830 %	103.0401 %	104.9757 %	100.4820 %	102.0714 %	102.1796 %
Concentration per Run 3	0.4614 ppm	103.8929 %	103.3129 %	105.2265 %	101.2271 %	101.8157 %	102.5800 %
Recovery Percentage 1	92.154 %						
Concentration RSD	0.2 %	0.8 %	0.1 %	0.3 %	0.7 %	0.3 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

CCB

Sample: Analysis started at: 9/11/2025 3:38:52 PM

Comments: <Comment>

Rack: 0

Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0086 ppm	-0.0004 ppm	0.0013 ppm	0.0004 ppm	0.0002 ppm	0.0019 ppm
Concentration per Run 1	-0.0001 ppm	0.0092 ppm	0.0003 ppm	0.0012 ppm	0.0004 ppm	0.0001 ppm	-0.0018 ppm
Concentration per Run 2	-0.0001 ppm	0.0094 ppm	-0.0007 ppm	0.0014 ppm	0.0004 ppm	0.0003 ppm	0.0026 ppm
Concentration per Run 3	0.0002 ppm	0.0071 ppm	-0.0007 ppm	0.0012 ppm	0.0003 ppm	0.0002 ppm	0.0049 ppm
Recovery Percentage 1	-0.443 %	8.561 %	-7.302 %	4.168 %	3.648 %	4.037 %	1.908 %
Concentration RSD	804.2 %	15.0 %	156.3 %	7.5 %	5.6 %	28.0 %	179.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0031 ppm	0.0163 ppm	0.0008 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0037 ppm	0.0309 ppm	0.0005 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0029 ppm	-0.0167 ppm	-0.0004 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0026 ppm	0.0347 ppm	0.0024 ppm
Recovery Percentage 1	3.139 %	0.471 %	-0.441 %	-0.255 %	6.111 %	0.651 %	8.019 %
Concentration RSD	10.9 %	41.9 %	424.8 %	489.7 %	19.1 %	175.9 %	177.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0012 ppm	0.0005 ppm	0.0002 ppm	0.0094 ppm	0.0003 ppm	0.0005 ppm	0.0006 ppm
Concentration per Run 1	0.0003 ppm	0.0005 ppm	0.0002 ppm	0.0063 ppm	0.0003 ppm	0.0010 ppm	0.0006 ppm
Concentration per Run 2	-0.0010 ppm	0.0006 ppm	0.0003 ppm	0.0162 ppm	0.0001 ppm	0.0006 ppm	0.0008 ppm
Concentration per Run 3	-0.0027 ppm	0.0005 ppm	0.0001 ppm	0.0059 ppm	0.0004 ppm	0.0000 ppm	0.0006 ppm
Recovery Percentage 1	-1.153 %	5.071 %	0.430 %	0.472 %	1.124 %	5.107 %	1.280 %
Concentration RSD	130.3 %	12.6 %	43.9 %	61.9 %	48.5 %	100.7 %	16.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run 1	-0.0002 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0015 ppm	0.0011 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run 3	0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0014 ppm	0.0004 ppm
Recovery Percentage 1	5.517 %	0.114 %	-0.027 %	0.710 %	1.752 %	4.858 %	2.693 %
Concentration RSD	157.7 %	85.2 %	1.578 %	25.6 %	66.3 %	40.6 %	71.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	105.2565 %	103.7510 %	108.6673 %	101.1428 %	104.4626 %	102.1569 %
Concentration per Run 1	0.0004 ppm	105.3830 %	104.0242 %	106.5533 %	101.4192 %	104.4272 %	102.2748 %
Concentration per Run 2	0.0005 ppm	105.6289 %	103.5937 %	106.6082 %	101.5277 %	104.4078 %	101.9263 %
Concentration per Run 3	0.0004 ppm	104.7578 %	103.6349 %	106.8375 %	100.4815 %	104.5529 %	102.2694 %
Recovery Percentage 1	8.503 %						
Concentration RSD	9.9 %	0.4 %	0.2 %	0.1 %	0.6 %	0.1 %	0.2 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

CCV

Sample: Analysis started at: 9/11/2025 4:31:31 PM

Comments: <Comment>

Rack: 0

Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4828 ppm	0.4800 ppm	0.4536 ppm	0.4445 ppm	0.4726 ppm	0.4788 ppm	0.4993 ppm
Concentration per Run 1	0.4818 ppm	0.4754 ppm	0.4531 ppm	0.4432 ppm	0.4751 ppm	0.4810 ppm	0.5022 ppm
Concentration per Run 2	0.4831 ppm	0.4865 ppm	0.4543 ppm	0.4439 ppm	0.4716 ppm	0.4778 ppm	0.5002 ppm
Concentration per Run 3	0.4835 ppm	0.4780 ppm	0.4535 ppm	0.4464 ppm	0.4712 ppm	0.4777 ppm	0.4955 ppm
Recovery Percentage 1	96.558 %	95.990 %	90.728 %	88.897 %	94.521 %	95.763 %	99.865 %
Concentration RSD	0.2 %	1.2 %	0.1 %	0.4 %	0.5 %	0.4 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4581 ppm	0.4630 ppm	0.4750 ppm	0.4948 ppm	0.4905 ppm	5.0492 ppm	0.4728 ppm
Concentration per Run 1	0.4579 ppm	0.4613 ppm	0.4738 ppm	0.4943 ppm	0.4944 ppm	5.0669 ppm	0.4770 ppm
Concentration per Run 2	0.4574 ppm	0.4630 ppm	0.4738 ppm	0.4948 ppm	0.4889 ppm	5.0212 ppm	0.4697 ppm
Concentration per Run 3	0.4588 ppm	0.4647 ppm	0.4773 ppm	0.4951 ppm	0.4882 ppm	5.0595 ppm	0.4718 ppm
Recovery Percentage 1	91.611 %	92.595 %	94.994 %	98.953 %	98.098 %	100.984 %	94.561 %
Concentration RSD	0.2 %	0.4 %	0.4 %	0.1 %	0.7 %	0.5 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4997 ppm	0.4942 ppm	0.4499 ppm	9.6908 ppm	0.4602 ppm	0.4718 ppm	0.4592 ppm
Concentration per Run 1	0.4999 ppm	0.4974 ppm	0.4478 ppm	9.7395 ppm	0.4591 ppm	0.4712 ppm	0.4588 ppm
Concentration per Run 2	0.4992 ppm	0.4909 ppm	0.4487 ppm	9.6737 ppm	0.4588 ppm	0.4716 ppm	0.4586 ppm
Concentration per Run 3	0.5000 ppm	0.4943 ppm	0.4531 ppm	9.6591 ppm	0.4626 ppm	0.4727 ppm	0.4600 ppm
Recovery Percentage 1	99.943 %	98.834 %	89.974 %	96.908 %	92.033 %	94.369 %	91.830 %
Concentration RSD	0.1 %	0.7 %	0.6 %	0.4 %	0.5 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4592 ppm	4.9555 ppm	0.4475 ppm	0.4719 ppm	0.4718 ppm	0.4783 ppm	0.4842 ppm
Concentration per Run 1	0.4583 ppm	4.9358 ppm	0.4470 ppm	0.4750 ppm	0.4714 ppm	0.4766 ppm	0.4837 ppm
Concentration per Run 2	0.4587 ppm	4.9423 ppm	0.4484 ppm	0.4696 ppm	0.4704 ppm	0.4772 ppm	0.4835 ppm
Concentration per Run 3	0.4626 ppm	4.9886 ppm	0.4490 ppm	0.4711 ppm	0.4737 ppm	0.4810 ppm	0.4856 ppm
Recovery Percentage 1	91.841 %	94.391 %	89.491 %	94.376 %	94.363 %	95.655 %	96.849 %
Concentration RSD	0.7 %	0.6 %	0.3 %	0.6 %	0.4 %	0.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Sc 361.384 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4626 ppm	104.6325 %	104.2220 %	108.6851 %	102.3237 %	102.9694 %	103.9628 %
Concentration per Run 1	0.4626 ppm	105.1422 %	104.1111 %	108.4580 %	102.5359 %	103.0450 %	103.9901 %
Concentration per Run 2	0.4626 ppm	104.8641 %	104.5124 %	106.6678 %	102.3269 %	103.0667 %	104.4660 %
Concentration per Run 3	0.4626 ppm	103.8912 %	104.0425 %	106.9294 %	102.1084 %	102.7964 %	103.4324 %
Recovery Percentage 1	92.522 %						
Concentration RSD	0.0 %	0.6 %	0.2 %	0.2 %	0.2 %	0.1 %	0.5 %

ICP DataTrace 4

9/11/2025 5:54:05 PM



LabBook: WG2113404_091125T4.imexp

Sample: CCB

Analysis started at: 9/11/2025 4:37:39 PM

Comments: <Comment>

Rack: 0

Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0063 ppm	-0.0011 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run 1	-0.0002 ppm	0.0066 ppm	-0.0011 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0010 ppm	-0.0017 ppm	0.0010 ppm	0.0002 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 3	-0.0004 ppm	0.0112 ppm	-0.0006 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	-0.0064 ppm
Recovery Percentage 1	-3.924 %	6.259 %	-22.622 %	2.868 %	1.837 %	0.711 %	-1.102 %
Concentration RSD	95.7 %	81.4 %	49.4 %	23.9 %	19.2 %	53.8 %	413.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {444} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0013 ppm	0.0220 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0024 ppm	0.0145 ppm	0.0008 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0231 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0003 ppm	0.0015 ppm	0.0284 ppm	0.0006 ppm
Recovery Percentage 1	0.922 %	-0.061 %	-2.252 %	-2.619 %	2.619 %	0.880 %	4.654 %
Concentration RSD	107.5 %	1.178.3 %	3.780.4 %	46.6 %	90.4 %	32.1 %	95.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	-0.0002 ppm	0.0003 ppm	0.0008 ppm	0.0002 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run 1	0.0010 ppm	-0.0001 ppm	0.0003 ppm	-0.0039 ppm	0.0003 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 2	-0.0007 ppm	-0.0003 ppm	0.0003 ppm	0.0061 ppm	0.0003 ppm	-0.0006 ppm	-0.0007 ppm
Concentration per Run 3	-0.0008 ppm	-0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm
Recovery Percentage 1	-0.171 %	-1.833 %	0.543 %	0.041 %	0.789 %	-1.380 %	1.256 %
Concentration RSD	587.3 %	37.3 %	4.2 %	608.8 %	100.9 %	308.6 %	218.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	-0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0011 ppm	-0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 2	-0.0003 ppm	-0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 3	0.0008 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0000 ppm
Recovery Percentage 1	5.395 %	-0.099 %	-0.134 %	0.260 %	1.101 %	1.101 %	1.214 %
Concentration RSD	144.4 %	88.7 %	318.8 %	168.5 %	111.6 %	265.2 %	77.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	106.3232 %	105.1969 %	107.4423 %	103.0990 %	105.1738 %	103.7368 %
Concentration per Run 1	0.0002 ppm	105.6852 %	104.8917 %	107.5152 %	103.0426 %	105.5706 %	103.4766 %
Concentration per Run 2	0.0003 ppm	106.1107 %	105.4825 %	107.2316 %	102.4911 %	105.0349 %	104.1219 %
Concentration per Run 3	0.0003 ppm	107.1738 %	105.2166 %	107.5801 %	103.7635 %	104.9160 %	103.6120 %
Recovery Percentage 1	5.169 %						
Concentration RSD	26.1 %	0.7 %	0.3 %	0.2 %	0.6 %	0.3 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: XBlank DHL Trace11
Analysis started at: 9/11/2025 8:45:28 AM
Comment: <Comment>
Rack Number: 0
Vial Numbers: 1

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: Blank DHL Trace11
Analysis started at: 9/11/2025 8:47:34 AM
Comment: <Comment>
Rack Number: 0
Vial Numbers: 1

Concentration average	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.5 %	-6.1 %	-0.4 %	0.3 %	0.1 %	-0.4 %	0.1 %
Concentration average	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.3 %	1.2 %	0.1 %	0.2 %	-1.0 %	-0.5 %	0.2 %
Concentration average	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	3.5 %	-2.1 %	1.4 %	0.1 %	-0.1 %	0.9 %	0.9 %
Concentration average	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.5 %	0.2 %	4.9 %	0.3 %	-0.2 %	-1.1 %	0.3 %
Concentration average	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.6 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: ICAL

Analysis started at: 9/11/2025 8:49:39 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run	0.9958 ppm	25.0067 ppm	0.9978 ppm	0.9946 ppm	0.9968 ppm	0.9997 ppm	9.9943 ppm
Concentration per Run	0.9992 ppm	24.9386 ppm	0.9997 ppm	1.0041 ppm	0.9999 ppm	0.9990 ppm	9.9924 ppm
Concentration per Run	1.0051 ppm	25.0546 ppm	1.0025 ppm	1.0013 ppm	1.0033 ppm	1.0013 ppm	10.0133 ppm
Concentration RSD	0.5 %	0.2 %	0.2 %	0.5 %	0.3 %	0.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run	0.9971 ppm	1.0038 ppm	1.0007 ppm	1.0038 ppm	25.0185 ppm	34.8222 ppm	1.0066 ppm
Concentration per Run	1.0004 ppm	1.0050 ppm	0.9984 ppm	0.9974 ppm	24.9137 ppm	35.0430 ppm	0.9894 ppm
Concentration per Run	1.0025 ppm	0.9912 ppm	1.0050 ppm	1.0018 ppm	25.0678 ppm	36.1348 ppm	1.0040 ppm
Concentration RSD	0.3 %	0.8 %	0.5 %	0.2 %	0.3 %	0.5 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	9.8672 ppm	0.9988 ppm	0.9981 ppm	24.9526 ppm	0.9948 ppm	1.0028 ppm	0.9897 ppm
Concentration per Run	10.0892 ppm	0.9986 ppm	1.0089 ppm	25.0365 ppm	1.0040 ppm	0.9977 ppm	1.0117 ppm
Concentration per Run	10.0436 ppm	1.0016 ppm	0.9951 ppm	25.0109 ppm	1.0012 ppm	0.9995 ppm	0.9985 ppm
Concentration RSD	1.2 %	0.1 %	0.6 %	0.2 %	0.5 %	0.3 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	1.0058 ppm	9.9450 ppm	1.0006 ppm	0.9997 ppm	0.9911 ppm	0.9993 ppm	1.0016 ppm
Concentration per Run	0.9970 ppm	10.0627 ppm	0.9991 ppm	0.9991 ppm	1.0004 ppm	0.9999 ppm	0.9979 ppm
Concentration per Run	0.9973 ppm	9.9924 ppm	0.9928 ppm	1.0012 ppm	1.0085 ppm	1.0008 ppm	1.0005 ppm
Concentration RSD	0.5 %	0.6 %	0.7 %	0.1 %	0.9 %	0.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0000 ppm	99.4542 %	99.1908 %	99.1089 %	95.6764 %	99.4133 %	95.8605 %
Concentration per Run	0.9958 ppm	99.1908 %	99.4978 %	94.9352 %	94.9332 %	99.8041 %	95.8298 %
Concentration per Run	1.0072 ppm	99.4255 %	98.4521 %	95.1606 %	94.1566 %	99.9986 %	95.7552 %
Concentration per Run	0.9970 ppm	100.7462 %	98.4766 %	95.4855 %	97.9394 %	98.4372 %	95.9964 %
Concentration RSD	0.6 %	1.2 %	0.6 %	0.3 %	2.1 %	0.9 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

ICV

Sample: 9/11/2025 8:51:44 AM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4964 ppm	0.4753 ppm	0.4747 ppm	0.4871 ppm	0.4919 ppm	0.5046 ppm	0.4895 ppm
Concentration per Run	0.4994 ppm	0.4727 ppm	0.4694 ppm	0.4927 ppm	0.5048 ppm	0.4914 ppm	0.4914 ppm
Concentration per Run	0.4945 ppm	0.4703 ppm	0.4745 ppm	0.4815 ppm	0.4933 ppm	0.5040 ppm	0.4890 ppm
Concentration per Run	0.4953 ppm	0.4828 ppm	0.4802 ppm	0.4871 ppm	0.4897 ppm	0.5051 ppm	0.4882 ppm
Recovery Percentage	99.273 %	95.050 %	94.937 %	97.424 %	98.370 %	100.922 %	97.902 %
Concentration RSD	0.5 %	1.4 %	1.1 %	1.2 %	0.4 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5074 ppm	0.4937 ppm	0.4988 ppm	0.5084 ppm	0.5007 ppm	5.1315 ppm	0.5135 ppm
Concentration per Run	0.5110 ppm	0.4956 ppm	0.4994 ppm	0.5089 ppm	0.5011 ppm	5.1562 ppm	0.5190 ppm
Concentration per Run	0.5031 ppm	0.4942 ppm	0.4981 ppm	0.5077 ppm	0.4992 ppm	5.1345 ppm	0.5004 ppm
Concentration per Run	0.5082 ppm	0.4913 ppm	0.4989 ppm	0.5086 ppm	0.5018 ppm	5.1040 ppm	0.5212 ppm
Recovery Percentage	101.484 %	98.742 %	99.758 %	101.680 %	100.143 %	102.631 %	102.709 %
Concentration RSD	0.8 %	0.4 %	0.1 %	0.1 %	0.3 %	0.5 %	2.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5123 ppm	0.5052 ppm	0.4797 ppm	10.1029 ppm	0.5082 ppm	0.4934 ppm	0.5052 ppm
Concentration per Run	0.5178 ppm	0.5069 ppm	0.4829 ppm	10.1152 ppm	0.5102 ppm	0.4879 ppm	0.5061 ppm
Concentration per Run	0.5075 ppm	0.5059 ppm	0.4762 ppm	10.1118 ppm	0.5059 ppm	0.4951 ppm	0.5036 ppm
Concentration per Run	0.5117 ppm	0.5028 ppm	0.4800 ppm	10.0818 ppm	0.5086 ppm	0.4972 ppm	0.5060 ppm
Recovery Percentage	102.467 %	101.035 %	95.932 %	101.029 %	101.650 %	98.680 %	101.043 %
Concentration RSD	1.0 %	0.4 %	0.7 %	0.2 %	0.4 %	1.0 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4783 ppm	5.2943 ppm	0.4793 ppm	0.4961 ppm	0.5081 ppm	0.4996 ppm	0.5002 ppm
Concentration per Run	0.4748 ppm	5.3336 ppm	0.4790 ppm	0.4968 ppm	0.5141 ppm	0.4958 ppm	0.5033 ppm
Concentration per Run	0.4786 ppm	5.2603 ppm	0.4804 ppm	0.4953 ppm	0.5041 ppm	0.4987 ppm	0.4974 ppm
Concentration per Run	0.4814 ppm	5.2889 ppm	0.4786 ppm	0.4962 ppm	0.5063 ppm	0.5044 ppm	0.4998 ppm
Recovery Percentage	95.653 %	100.843 %	95.865 %	99.224 %	101.628 %	99.928 %	100.032 %
Concentration RSD	0.7 %	0.7 %	0.2 %	0.1 %	1.0 %	0.9 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4979 ppm	102.9641 %	100.1074 %	101.6114 %	100.9711 %	100.3387 %	100.7803 %
Concentration per Run	0.5018 ppm	102.6112 %	99.2493 %	102.6183 %	100.3926 %	99.6774 %	101.8087 %
Concentration per Run	0.4937 ppm	103.3776 %	100.7151 %	100.7968 %	101.9955 %	101.5262 %	99.8879 %
Concentration per Run	0.4980 ppm	102.9034 %	100.3577 %	101.4189 %	100.5252 %	99.8123 %	100.6442 %
Recovery Percentage	99.572 %						
Concentration RSD	0.8 %	0.4 %	0.8 %	0.9 %	0.9 %	1.0 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: ICB
Analysis started at: 9/11/2025 8:53:48 AM
Comment: <Comment>
Rack Number: 0
Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0031 ppm	0.0013 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run	0.0002 ppm	-0.0117 ppm	0.0019 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0010 ppm
Concentration per Run	-0.0007 ppm	0.0027 ppm	0.0019 ppm	0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0034 ppm
Recovery Percentage	-2.102 %	-3.125 %	26.648 %	1.074 %	0.606 %	1.121 %	1.031 %
Concentration RSD	317.4 %	242.8 %	71.1 %	73.4 %	170.1 %	30.7 %	214.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0006 ppm	-0.0306 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0002 ppm	0.0003 ppm	0.0012 ppm	-0.0288 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0004 ppm	0.0004 ppm	-0.0203 ppm	0.0018 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm	0.0004 ppm	-0.0428 ppm	0.0010 ppm
Recovery Percentage	0.510 %	0.910 %	-0.276 %	-2.418 %	1.161 %	-1.226 %	25.869 %
Concentration RSD	427.8 %	176.5 %	1,165.2 %	183.5 %	95.8 %	37.2 %	32.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0046 ppm	0.0001 ppm	-0.0004 ppm	0.0002 ppm
Concentration per Run	-0.0010 ppm	-0.0001 ppm	-0.0001 ppm	0.0015 ppm	-0.0004 ppm	-0.0014 ppm	-0.0005 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	-0.0006 ppm	0.0019 ppm	0.0003 ppm	-0.0005 ppm	0.0025 ppm
Concentration per Run	0.0021 ppm	-0.0001 ppm	-0.0002 ppm	0.0103 ppm	0.0004 ppm	0.0008 ppm	-0.0013 ppm
Recovery Percentage	0.149 %	-0.562 %	-0.586 %	0.228 %	0.468 %	-3.550 %	0.403 %
Concentration RSD	1,158.8 %	208.5 %	87.5 %	109.9 %	386.4 %	318.8 %	1,014.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0044 ppm	-0.0006 ppm	-0.0007 ppm	-0.0001 ppm	0.0004 ppm	-0.0025 ppm	0.0001 ppm
Concentration per Run	0.0018 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0012 ppm	-0.0004 ppm
Concentration per Run	0.0021 ppm	0.0011 ppm	0.0006 ppm	0.0000 ppm	-0.0002 ppm	0.0015 ppm	-0.0002 ppm
Recovery Percentage	27.585 %	0.127 %	-0.060 %	-0.286 %	0.434 %	-3.726 %	-1.608 %
Concentration RSD	51.3 %	169.5 %	2,149.4 %	128.6 %	629.5 %	271.3 %	135.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	98.3741 %	97.4769 %	97.2538 %	99.4597 %	99.6572 %	97.7225 %
Concentration per Run	0.0003 ppm	98.0964 %	97.7884 %	97.2365 %	99.4465 %	101.0282 %	97.8282 %
Concentration per Run	0.0001 ppm	98.3757 %	97.4014 %	97.4067 %	99.1802 %	98.2982 %	97.8533 %
Concentration per Run	0.0001 ppm	98.6503 %	96.8408 %	97.1183 %	99.7524 %	99.6451 %	97.4861 %
Recovery Percentage	3.308 %						
Concentration RSD	68.7 %	0.3 %	0.6 %	0.1 %	0.3 %	1.4 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

ICV

Sample: 9/11/2025 8:59:31 AM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4999 ppm	0.4712 ppm	0.4784 ppm	0.4876 ppm	0.4897 ppm	0.4982 ppm	0.4873 ppm
Concentration per Run	0.4998 ppm	0.4704 ppm	0.4771 ppm	0.4870 ppm	0.4891 ppm	0.4976 ppm	0.4884 ppm
Concentration per Run	0.5020 ppm	0.4688 ppm	0.4780 ppm	0.4885 ppm	0.4895 ppm	0.4982 ppm	0.4863 ppm
Concentration per Run	0.4978 ppm	0.4746 ppm	0.4799 ppm	0.4874 ppm	0.4906 ppm	0.4987 ppm	0.4870 ppm
Recovery Percentage	99.973 %	94.249 %	95.670 %	97.526 %	97.945 %	99.635 %	97.450 %
Concentration RSD	0.4 %	0.6 %	0.3 %	0.2 %	0.2 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5092 ppm	0.4963 ppm	0.5037 ppm	0.5107 ppm	0.4886 ppm	5.0627 ppm	0.5082 ppm
Concentration per Run	0.5088 ppm	0.4963 ppm	0.5035 ppm	0.5109 ppm	0.4873 ppm	5.0612 ppm	0.5073 ppm
Concentration per Run	0.5103 ppm	0.4974 ppm	0.5049 ppm	0.5113 ppm	0.4870 ppm	5.0835 ppm	0.5101 ppm
Concentration per Run	0.5084 ppm	0.4951 ppm	0.5026 ppm	0.5099 ppm	0.4915 ppm	5.0434 ppm	0.5072 ppm
Recovery Percentage	101.838 %	99.255 %	100.736 %	102.134 %	97.719 %	101.254 %	101.644 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.1 %	0.5 %	0.4 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5102 ppm	0.5004 ppm	0.4809 ppm	10.0933 ppm	0.5069 ppm	0.4918 ppm	0.5047 ppm
Concentration per Run	0.5085 ppm	0.5011 ppm	0.4800 ppm	10.1274 ppm	0.5052 ppm	0.4895 ppm	0.5046 ppm
Concentration per Run	0.5150 ppm	0.5004 ppm	0.4830 ppm	10.0444 ppm	0.5097 ppm	0.4952 ppm	0.5091 ppm
Concentration per Run	0.5072 ppm	0.4997 ppm	0.4796 ppm	10.1082 ppm	0.5058 ppm	0.4909 ppm	0.5003 ppm
Recovery Percentage	102.044 %	100.081 %	96.176 %	100.933 %	101.375 %	98.367 %	100.934 %
Concentration RSD	0.8 %	0.1 %	0.4 %	0.4 %	0.5 %	0.6 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4764 ppm	5.3752 ppm	0.4901 ppm	0.4952 ppm	0.5130 ppm	0.5012 ppm	0.5030 ppm
Concentration per Run	0.4796 ppm	5.3617 ppm	0.4879 ppm	0.4953 ppm	0.5129 ppm	0.4994 ppm	0.5027 ppm
Concentration per Run	0.4760 ppm	5.3952 ppm	0.4903 ppm	0.4936 ppm	0.5162 ppm	0.5029 ppm	0.5034 ppm
Concentration per Run	0.4735 ppm	5.3686 ppm	0.4921 ppm	0.4967 ppm	0.5099 ppm	0.5015 ppm	0.5028 ppm
Recovery Percentage	95.273 %	102.384 %	98.026 %	99.037 %	102.600 %	100.250 %	100.594 %
Concentration RSD	0.6 %	0.3 %	0.4 %	0.3 %	0.6 %	0.4 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4996 ppm	102.7626 %	100.8472 %	101.4364 %	101.1767 %	102.5858 %	100.4364 %
Concentration per Run	0.4993 ppm	102.7204 %	100.4474 %	101.4747 %	101.6748 %	102.6730 %	100.4751 %
Concentration per Run	0.5010 ppm	102.4768 %	100.7370 %	101.8795 %	100.8820 %	101.9811 %	100.8776 %
Concentration per Run	0.4984 ppm	103.0907 %	101.3573 %	100.9550 %	100.9733 %	103.1032 %	99.9564 %
Recovery Percentage	99.916 %						
Concentration RSD	0.3 %	0.3 %	0.5 %	0.5 %	0.4 %	0.6 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

ICB

Sample: 9/11/2025 9:01:38 AM

Analysis started at: 9/11/2025 9:01:38 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0037 ppm	0.0012 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0014 ppm
Concentration per Run	0.0000 ppm	0.0040 ppm	0.0017 ppm	-0.0011 ppm	0.0000 ppm	0.0000 ppm	-0.0027 ppm
Concentration per Run	-0.0003 ppm	-0.0037 ppm	0.0000 ppm	0.0010 ppm	-0.0003 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run	0.0000 ppm	0.0108 ppm	0.0019 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm
Recovery Percentage	-1.654 %	3.699 %	23.582 %	1.158 %	-1.069 %	0.395 %	-1.411 %
Concentration RSD	170.3 %	196.3 %	89.4 %	360.4 %	186.4 %	43.2 %	132.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0003 ppm	-0.0378 ppm	0.0016 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0396 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	-0.0004 ppm	0.0005 ppm	-0.0441 ppm	0.0030 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0007 ppm	-0.0007 ppm	0.0003 ppm	-0.0298 ppm	0.0007 ppm
Recovery Percentage	2.050 %	-0.738 %	-4.123 %	-4.123 %	0.598 %	-1.514 %	32.434 %
Concentration RSD	72.1 %	97.3 %	282.2 %	67.2 %	81.5 %	19.3 %	75.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0058 ppm	0.0001 ppm	-0.0002 ppm	0.0017 ppm
Concentration per Run	-0.0017 ppm	0.0000 ppm	-0.0002 ppm	-0.0019 ppm	0.0001 ppm	-0.0004 ppm	0.0013 ppm
Concentration per Run	0.0019 ppm	-0.0002 ppm	0.0003 ppm	0.0051 ppm	0.0005 ppm	-0.0005 ppm	0.0014 ppm
Concentration per Run	0.0012 ppm	-0.0001 ppm	-0.0003 ppm	0.0142 ppm	-0.0002 ppm	0.0003 ppm	0.0024 ppm
Recovery Percentage	0.465 %	-1.138 %	-0.098 %	0.289 %	0.491 %	-2.012 %	3.409 %
Concentration RSD	413.2 %	104.0 %	660.8 %	139.5 %	258.4 %	231.4 %	35.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	-0.0022 ppm	0.0004 ppm	0.0000 ppm	-0.0004 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0008 ppm	-0.0028 ppm	0.0006 ppm	0.0001 ppm	-0.0006 ppm	0.0012 ppm	-0.0004 ppm
Concentration per Run	0.0020 ppm	-0.0024 ppm	0.0006 ppm	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0013 ppm	-0.0014 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm
Recovery Percentage	13.800 %	-0.443 %	0.741 %	0.297 %	-3.763 %	2.863 %	-1.606 %
Concentration RSD	43.7 %	33.1 %	98.5 %	156.4 %	53.4 %	94.9 %	139.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0001 ppm	100.2076 %	98.6116 %	99.4801 %	100.9721 %	101.7089 %	99.8134 %
Concentration per Run	-0.0003 ppm	100.3197 %	99.4269 %	99.1525 %	100.9483 %	102.6771 %	99.3796 %
Concentration per Run	0.0001 ppm	97.5127 %	99.6251 %	99.3634 %	100.3883 %	100.6271 %	99.8699 %
Concentration per Run	-0.0001 ppm	100.6780 %	98.8953 %	99.9243 %	101.5795 %	101.8217 %	100.1907 %
Recovery Percentage	-1.374 %						
Concentration RSD	301.5 %	0.5 %	1.0 %	0.4 %	0.6 %	1.0 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

LLOQ

Sample: Analysis started at: 9/11/2025 9:03:42 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0048 ppm	0.0997 ppm	0.0060 ppm	0.0312 ppm	0.0104 ppm	0.0053 ppm	0.1065 ppm
Concentration per Run	0.0052 ppm	0.0922 ppm	0.0065 ppm	0.0293 ppm	0.0105 ppm	0.0053 ppm	0.1109 ppm
Concentration per Run	0.0043 ppm	0.1056 ppm	0.0039 ppm	0.0328 ppm	0.0103 ppm	0.0053 ppm	0.1048 ppm
Concentration per Run	0.0049 ppm	0.1013 ppm	0.0075 ppm	0.0316 ppm	0.0103 ppm	0.0053 ppm	0.1037 ppm
Recovery Percentage	96.555 %	99.694 %	119.683 %	104.104 %	103.625 %	106.028 %	106.453 %
Concentration RSD	9.1 %	6.9 %	31.4 %	5.8 %	0.8 %	0.8 %	3.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0043 ppm	0.0108 ppm	0.0108 ppm	0.0105 ppm	0.0574 ppm	2.6689 ppm	0.0128 ppm
Concentration per Run	0.0043 ppm	0.0108 ppm	0.0108 ppm	0.0102 ppm	0.0574 ppm	2.6725 ppm	0.0131 ppm
Concentration per Run	0.0043 ppm	0.0112 ppm	0.0101 ppm	0.0105 ppm	0.0579 ppm	2.6551 ppm	0.0126 ppm
Concentration per Run	0.0043 ppm	0.0104 ppm	0.0106 ppm	0.0106 ppm	0.0568 ppm	2.6791 ppm	0.0125 ppm
Recovery Percentage	107.404 %	108.139 %	103.699 %	104.586 %	114.743 %	106.757 %	127.550 %
Concentration RSD	0.9 %	3.6 %	3.9 %	1.8 %	0.9 %	0.5 %	2.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1103 ppm	0.0104 ppm	0.0104 ppm	2.1124 ppm	0.0206 ppm	0.0108 ppm	0.0531 ppm
Concentration per Run	0.1095 ppm	0.0103 ppm	0.0507 ppm	2.0744 ppm	0.0197 ppm	0.0122 ppm	0.0563 ppm
Concentration per Run	0.1109 ppm	0.0104 ppm	0.0502 ppm	2.1400 ppm	0.0217 ppm	0.0106 ppm	0.0526 ppm
Concentration per Run	0.1105 ppm	0.0106 ppm	0.0502 ppm	2.1227 ppm	0.0202 ppm	0.0097 ppm	0.0505 ppm
Recovery Percentage	110.265 %	104.376 %	100.774 %	105.618 %	82.280 %	108.485 %	106.229 %
Concentration RSD	0.6 %	1.4 %	0.6 %	1.6 %	5.0 %	11.8 %	5.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0112 ppm	0.5353 ppm	0.0542 ppm	0.0102 ppm	0.0105 ppm	0.0212 ppm	0.0102 ppm
Concentration per Run	0.0116 ppm	0.5386 ppm	0.0542 ppm	0.0101 ppm	0.0106 ppm	0.0208 ppm	0.0099 ppm
Concentration per Run	0.0120 ppm	0.5312 ppm	0.0534 ppm	0.0102 ppm	0.0103 ppm	0.0214 ppm	0.0101 ppm
Concentration per Run	0.0100 ppm	0.5362 ppm	0.0551 ppm	0.0103 ppm	0.0106 ppm	0.0214 ppm	0.0105 ppm
Recovery Percentage	111.987 %	107.066 %	108.437 %	101.982 %	104.855 %	105.962 %	101.684 %
Concentration RSD	9.6 %	0.7 %	1.5 %	1.1 %	1.9 %	1.6 %	2.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0064 ppm	104.2171 %	101.9747 %	103.4011 %	103.2051 %	101.5441 %	101.9299 %
Concentration per Run	0.0061 ppm	104.4985 %	101.6715 %	103.5659 %	103.3656 %	98.1039 %	102.3073 %
Concentration per Run	0.0065 ppm	103.6297 %	101.9932 %	103.2095 %	102.4225 %	103.5884 %	101.6604 %
Concentration per Run	0.0066 ppm	104.5232 %	102.2594 %	103.4280 %	103.8272 %	102.9400 %	101.8219 %
Recovery Percentage	127.843 %						
Concentration RSD	4.4 %	0.5 %	0.3 %	0.2 %	0.7 %	3.0 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: ICSA
Analysis started at: 9/11/2025 9:05:47 AM
Comment: LDR +/-10%
Rack Number: 0
Vial Numbers: 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0017 ppm	486.9106 ppm	0.0001 ppm	0.0013 ppm	0.0016 ppm	0.0000 ppm	457.6783 ppm
Concentration per Run	0.0016 ppm	487.8848 ppm	0.0030 ppm	0.0019 ppm	0.0000 ppm	0.0000 ppm	458.0445 ppm
Concentration per Run	0.0022 ppm	487.5497 ppm	-0.0009 ppm	0.0009 ppm	0.0016 ppm	0.0000 ppm	458.6447 ppm
Concentration per Run	0.0014 ppm	485.2973 ppm	-0.0019 ppm	0.0010 ppm	0.0015 ppm	0.0000 ppm	456.3456 ppm
Recovery Percentage	24.614 %		1.035 %	4.178 %	15.907 %	1.099 %	
Concentration RSD	25.5 %	0.3 %	4.966 %	44.0 %	2.7 %	11.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0053 ppm	0.0005 ppm	0.0000 ppm	0.0048 ppm	0.0048 ppm	0.0857 ppm	-0.0071 ppm
Concentration per Run	-0.0054 ppm	0.0006 ppm	-0.0004 ppm	0.0051 ppm	0.0051 ppm	0.0808 ppm	-0.0093 ppm
Concentration per Run	-0.0051 ppm	0.0001 ppm	0.0003 ppm	0.0046 ppm	0.0046 ppm	0.0719 ppm	-0.0099 ppm
Concentration per Run	-0.0054 ppm	0.0008 ppm	0.0008 ppm	0.0047 ppm	0.0047 ppm	0.1045 ppm	-0.0021 ppm
Recovery Percentage	-106.430 %	2.540 %	-0.090 %	48.166 %	3.429 %	3.429 %	-141.978 %
Concentration RSD	3.9 %	76.3 %	3.933 %	5.9 %	0.4 %	19.7 %	61.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	468.5318 ppm	-0.0019 ppm	-0.0007 ppm	0.0079 ppm	0.0008 ppm	-0.0041 ppm	-0.0058 ppm
Concentration per Run	468.2826 ppm	-0.0021 ppm	-0.0008 ppm	0.0134 ppm	0.0005 ppm	-0.0039 ppm	-0.0091 ppm
Concentration per Run	467.3193 ppm	-0.0018 ppm	-0.0008 ppm	0.0043 ppm	0.0010 ppm	-0.0061 ppm	-0.0057 ppm
Concentration per Run	469.9935 ppm	-0.0018 ppm	-0.0006 ppm	0.0059 ppm	0.0009 ppm	-0.0022 ppm	-0.0026 ppm
Recovery Percentage		-18.971 %	-1.456 %	0.395 %	3.263 %	-40.533 %	-11.559 %
Concentration RSD	0.3 %	8.4 %	19.8 %	61.7 %	34.0 %	48.1 %	56.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0061 ppm	0.0084 ppm	0.0003 ppm	0.0052 ppm	0.0006 ppm	0.0001 ppm	-0.0012 ppm
Concentration per Run	0.0058 ppm	0.0043 ppm	-0.0014 ppm	0.0050 ppm	0.0003 ppm	-0.0019 ppm	-0.0014 ppm
Concentration per Run	0.0057 ppm	0.0080 ppm	0.0014 ppm	0.0053 ppm	0.0009 ppm	-0.0001 ppm	-0.0011 ppm
Concentration per Run	0.0067 ppm	0.0129 ppm	0.0010 ppm	0.0052 ppm	0.0007 ppm	0.0023 ppm	-0.0011 ppm
Recovery Percentage	60.721 %	1.679 %	0.634 %	51.614 %	6.034 %	0.450 %	-12.143 %
Concentration RSD	8.8 %	51.7 %	484.7 %	2.3 %	52.9 %	2.351 %	12.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0052 ppm	90.2153 %	95.6847 %	79.6129 %	87.9938 %	96.9092 %	87.1660 %
Concentration per Run	-0.0052 ppm	90.1189 %	95.5571 %	80.0291 %	87.4660 %	97.4394 %	87.6498 %
Concentration per Run	-0.0052 ppm	90.3171 %	95.0528 %	79.0202 %	88.0567 %	96.3617 %	86.4094 %
Concentration per Run	-0.0053 ppm	90.2101 %	96.4441 %	79.7895 %	88.4587 %	96.9266 %	87.4388 %
Recovery Percentage	-104.293 %						
Concentration RSD	1.3 %	0.1 %	0.7 %	0.7 %	0.6 %	0.6 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: SIC Multi
Analysis started at: 9/11/2025 9:20:43 AM
Comment: LDR +/-10%
Rack Number: 0
Vial Numbers: 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0250 ppm	0.0016 ppm	0.0035 ppm	0.0010 ppm	-0.0006 ppm	-0.0251 ppm
Concentration per Run	-0.0003 ppm	0.0281 ppm	0.0004 ppm	0.0042 ppm	-0.0007 ppm	-0.0240 ppm	-0.0240 ppm
Concentration per Run	0.0001 ppm	0.0224 ppm	0.0024 ppm	0.0021 ppm	0.0009 ppm	-0.0004 ppm	-0.0199 ppm
Concentration per Run	0.0009 ppm	0.0244 ppm	0.0021 ppm	0.0041 ppm	0.0011 ppm	-0.0007 ppm	-0.0313 ppm
Recovery Percentage	3.653 %	24.988 %	32.241 %	11.604 %	9.665 %	-14.666 %	-25.097 %
Concentration RSD	227.8 %	11.5 %	67.3 %	33.8 %	12.4 %	23.4 %	23.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	-0.0020 ppm	21.3710 ppm	-0.0020 ppm	0.0277 ppm	-0.0065 ppm	0.0009 ppm
Concentration per Run	0.0007 ppm	-0.0023 ppm	21.2689 ppm	-0.0019 ppm	0.0292 ppm	0.0016 ppm	0.0008 ppm
Concentration per Run	0.0008 ppm	-0.0016 ppm	21.4907 ppm	-0.0020 ppm	0.0267 ppm	0.0163 ppm	0.0004 ppm
Concentration per Run	0.0008 ppm	-0.0020 ppm	21.3532 ppm	-0.0022 ppm	0.0270 ppm	-0.0373 ppm	0.0016 ppm
Recovery Percentage	15.832 %	-9.911 %	213.709620 %	-20.377 %	55.325 %	-0.259 %	18.224 %
Concentration RSD	9.0 %	19.6 %	0.5 %	7.1 %	5.0 %	428.2 %	66.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0253 ppm	21.0780 [SIC 80]	-0.0006 ppm	0.0196 ppm	0.0008 ppm	-0.0010 ppm	-0.0195 ppm
Concentration per Run	-0.0260 ppm	21.1135 ppm	-0.0006 ppm	0.0239 ppm	0.0009 ppm	-0.0007 ppm	-0.0240 ppm
Concentration per Run	-0.0250 ppm	21.0713 ppm	-0.0004 ppm	0.0233 ppm	-0.0004 ppm	-0.0008 ppm	-0.0172 ppm
Concentration per Run	-0.0249 ppm	21.0492 ppm	-0.0009 ppm	0.0116 ppm	0.0006 ppm	-0.0014 ppm	-0.0183 ppm
Recovery Percentage	-25.305 %	210.779857 %	-1.278 %	0.980 %	3.275 %	-9.742 %	-39.657 %
Concentration RSD	2.4 %	0.2 %	38.3 %	35.2 %	18.7 %	37.5 %	18.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	-0.0001 ppm	0.1819 ppm	0.0026 ppm	0.0008 ppm	21.4131 ppm	-0.0213 ppm	10.5063 [SIC x4]
Concentration per Run	-0.0005 ppm	0.1695 ppm	0.0024 ppm	0.0007 ppm	21.5509 ppm	-0.0183 ppm	10.5157 ppm
Concentration per Run	0.0013 ppm	0.1818 ppm	0.0014 ppm	0.0009 ppm	21.4241 ppm	-0.0235 ppm	10.5225 ppm
Concentration per Run	-0.0009 ppm	0.1942 ppm	0.0040 ppm	0.0008 ppm	21.2641 ppm	-0.0221 ppm	10.4806 ppm
Recovery Percentage	-0.508 %	36.371 %	5.249 %	7.783 %	214.130707 %	-106.417 %	105.062629 %
Concentration RSD	2,283.0 %	6.8 %	49.6 %	13.6 %	0.7 %	12.6 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0014 ppm	102.8721 %	102.5507 %	102.3479 %	101.3117 %	103.0185 %	101.0659 %
Concentration per Run	0.0011 ppm	103.2356 %	102.5619 %	102.6022 %	101.4415 %	102.3289 %	100.7896 %
Concentration per Run	0.0019 ppm	102.1291 %	102.8893 %	102.2724 %	100.8706 %	104.2503 %	101.3505 %
Concentration per Run	0.0013 ppm	103.2515 %	102.2008 %	102.1692 %	101.6232 %	102.4764 %	101.0575 %
Recovery Percentage	28.816 %						
Concentration RSD	26.3 %	0.6 %	0.3 %	0.2 %	0.4 %	1.0 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR Check
Analysis started at: 9/11/2025 9:22:59 AM
Comment: LDR +/-10%
Rack Number: 0
Vial Numbers: 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	-0.0153 ppm	5.6052 ppm	5.1765 [SIC 50]	9.9095 ppm	0.0003 ppm	0.0046 ppm
Concentration per Run	0.0000 ppm	-0.0252 ppm	5.6017 ppm	5.1387 ppm	9.9299 ppm	0.0038 ppm	0.0038 ppm
Concentration per Run	-0.0001 ppm	-0.0088 ppm	5.5887 ppm	5.1809 ppm	9.9005 ppm	0.0003 ppm	0.0083 ppm
Concentration per Run	0.0001 ppm	-0.0118 ppm	5.6251 ppm	5.2100 ppm	9.8980 ppm	0.0002 ppm	0.0018 ppm
Recovery Percentage			112.103 %	103.530 %	99.095 %		
Concentration RSD	557.4 %	57.1 %	0.3 %	0.7 %	0.2 %	9.8 %	71.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	-0.0025 ppm	0.0002 ppm	20.0773 [SIC 100]	0.0004 ppm	316.1642 ppm	4.9559 ppm
Concentration per Run	0.0007 ppm	-0.0028 ppm	0.0008 ppm	20.0445 ppm	-0.0007 ppm	315.3602 ppm	4.9707 ppm
Concentration per Run	0.0004 ppm	-0.0023 ppm	0.0001 ppm	20.0563 ppm	0.0013 ppm	316.9077 ppm	4.9918 ppm
Concentration per Run	0.0007 ppm	-0.0024 ppm	-0.0002 ppm	20.1310 ppm	0.0006 ppm	316.2247 ppm	4.9054 ppm
Recovery Percentage	0.000 %	0.000 %		100.386 %		105.388 %	
Concentration RSD	22.2 %	10.8 %	224.9 %	0.2 %	246.8 %	0.2 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0023 ppm	0.0003 ppm	0.0003 ppm	471.8105 ppm	10.3752 [SIC 100]	50.9601 ppm	-0.0012 ppm
Concentration per Run	-0.0015 ppm	0.0003 ppm	5.1767 ppm	472.0548 ppm	10.3851 ppm	51.2226 ppm	-0.0027 ppm
Concentration per Run	-0.0023 ppm	0.0002 ppm	5.1660 ppm	470.1261 ppm	10.3299 ppm	51.0087 ppm	-0.0026 ppm
Concentration per Run	-0.0030 ppm	0.0004 ppm	5.1903 ppm	473.2507 ppm	10.4105 ppm	50.6490 ppm	0.0016 ppm
Recovery Percentage		0.000 %	103.553 %	94.362 %	103.752 %	101.920 %	0.000 %
Concentration RSD	32.5 %	38.4 %	0.2 %	0.3 %	0.4 %	0.6 %	201.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	21.7912 [SIC 100]	0.0010 ppm	0.0007 ppm	0.0036 ppm	0.0001 ppm	0.0021 ppm
Concentration per Run	-0.0015 ppm	21.7766 ppm	0.0011 ppm	0.0007 ppm	0.0050 ppm	-0.0002 ppm	0.0025 ppm
Concentration per Run	0.0047 ppm	21.7829 ppm	0.0029 ppm	0.0007 ppm	0.0034 ppm	0.0004 ppm	0.0018 ppm
Concentration per Run	0.0014 ppm	21.8140 ppm	-0.0009 ppm	0.0006 ppm	0.0025 ppm	0.0001 ppm	0.0020 ppm
Recovery Percentage	0.000 %	108.956 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	200.1 %	0.1 %	182.0 %	7.3 %	35.7 %	358.9 %	16.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	20.5635 [SIC 60]	91.2242 %	97.1041 %	87.0139 %	88.9057 %	96.6350 %	88.6466 %
Concentration per Run	20.4787 ppm	92.4249 %	96.6229 %	86.6440 %	90.1677 %	96.2274 %	88.3090 %
Concentration per Run	20.5270 ppm	97.8272 %	97.8272 %	86.8668 %	88.5312 %	96.9015 %	88.6753 %
Concentration per Run	20.6849 ppm	90.1991 %	96.8622 %	87.5310 %	88.0181 %	96.7762 %	88.9553 %
Recovery Percentage	102.818 %						
Concentration RSD	0.5 %	1.2 %	0.7 %	0.5 %	1.3 %	0.4 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LLOQ_005
Analysis started at: 9/11/2025 9:37:23 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0051 ppm	0.0017 ppm	0.0068 ppm	0.0060 ppm	0.0054 ppm	0.0053 ppm	0.0129 ppm
Concentration per Run	0.0052 ppm	0.0136 ppm	0.0060 ppm	0.0071 ppm	0.0054 ppm	0.0054 ppm	0.0125 ppm
Concentration per Run	0.0051 ppm	-0.0044 ppm	0.0068 ppm	0.0046 ppm	0.0055 ppm	0.0052 ppm	0.0133 ppm
Concentration per Run	0.0050 ppm	-0.0041 ppm	0.0068 ppm	0.0062 ppm	0.0053 ppm	0.0053 ppm	0.0129 ppm
Recovery Percentage	101.995 %	0.000 %	131.282 %	0.000 %	0.000 %	105.998 %	0.000 %
Concentration RSD	1.8 %	604.9 %	6.8 %	21.2 %	2.2 %	1.4 %	3.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0057 ppm	0.0060 ppm	0.0055 ppm	0.0052 ppm	0.0062 ppm	0.0279 ppm	0.0065 ppm
Concentration per Run	0.0058 ppm	0.0065 ppm	0.0056 ppm	0.0055 ppm	0.0064 ppm	0.0305 ppm	0.0063 ppm
Concentration per Run	0.0057 ppm	0.0059 ppm	0.0051 ppm	0.0049 ppm	0.0059 ppm	0.0293 ppm	0.0072 ppm
Concentration per Run	0.0055 ppm	0.0056 ppm	0.0058 ppm	0.0051 ppm	0.0062 ppm	0.0239 ppm	0.0061 ppm
Recovery Percentage	113.752 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	2.3 %	7.3 %	6.7 %	6.6 %	3.8 %	12.6 %	8.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0044 ppm	0.0054 ppm	0.0050 ppm	0.1136 ppm	0.0050 ppm	0.0057 ppm	0.0049 ppm
Concentration per Run	0.0041 ppm	0.0052 ppm	0.0052 ppm	0.1105 ppm	0.0047 ppm	0.0056 ppm	0.0049 ppm
Concentration per Run	0.0042 ppm	0.0055 ppm	0.0047 ppm	0.1199 ppm	0.0051 ppm	0.0061 ppm	0.0044 ppm
Concentration per Run	0.0048 ppm	0.0054 ppm	0.0051 ppm	0.1104 ppm	0.0053 ppm	0.0054 ppm	0.0053 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	8.4 %	3.4 %	4.9 %	4.8 %	6.0 %	6.4 %	9.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0074 ppm	0.0593 ppm	0.0063 ppm	0.0055 ppm	0.0053 ppm	0.0057 ppm	0.0052 ppm
Concentration per Run	0.0091 ppm	0.0617 ppm	0.0060 ppm	0.0055 ppm	0.0053 ppm	0.0067 ppm	0.0052 ppm
Concentration per Run	0.0070 ppm	0.0592 ppm	0.0063 ppm	0.0055 ppm	0.0053 ppm	0.0058 ppm	0.0054 ppm
Concentration per Run	0.0061 ppm	0.0571 ppm	0.0068 ppm	0.0054 ppm	0.0051 ppm	0.0047 ppm	0.0051 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	20.7 %	3.9 %	6.2 %	1.4 %	1.8 %	17.2 %	3.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0059 ppm	101.1879 %	99.3726 %	100.9085 %	102.0834 %	103.0978 %	100.8593 %
Concentration per Run	0.0060 ppm	100.9477 %	99.5863 %	101.6212 %	101.8294 %	102.7735 %	101.2569 %
Concentration per Run	0.0056 ppm	101.6018 %	99.2200 %	100.1708 %	102.0296 %	103.4379 %	100.4752 %
Concentration per Run	0.0060 ppm	101.0143 %	99.3115 %	100.9334 %	102.3912 %	103.0820 %	100.8458 %
Recovery Percentage	117.367 %	0.4 %	0.2 %	0.7 %	0.3 %	0.3 %	0.4 %
Concentration RSD	4.4 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: xLLOQ.01
Analysis started at: 9/11/2025 9:39:39 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0106 ppm	0.0126 ppm	0.0127 ppm	0.0123 ppm	0.0111 ppm	0.0110 ppm	0.0138 ppm
Concentration per Run	0.0110 ppm	0.0209 ppm	0.0135 ppm	0.0116 ppm	0.0111 ppm	0.0111 ppm	0.0103 ppm
Concentration per Run	0.0111 ppm	0.0084 ppm	0.0134 ppm	0.0120 ppm	0.0110 ppm	0.0109 ppm	0.0176 ppm
Concentration per Run	0.0097 ppm	0.0084 ppm	0.0113 ppm	0.0133 ppm	0.0112 ppm	0.0110 ppm	0.0136 ppm
Recovery Percentage	0.00 %	0.00 %	127.132 %	123.186 %	111.020 %	0.00 %	0.00 %
Concentration RSD	7.2 %	57.7 %	9.6 %	7.2 %	1.2 %	0.9 %	26.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0116 ppm	0.0120 ppm	0.0110 ppm	0.0111 ppm	0.0118 ppm	0.0920 ppm	0.0126 ppm
Concentration per Run	0.0115 ppm	0.0118 ppm	0.0105 ppm	0.0111 ppm	0.0109 ppm	0.0959 ppm	0.0127 ppm
Concentration per Run	0.0115 ppm	0.0122 ppm	0.0116 ppm	0.0106 ppm	0.0136 ppm	0.0841 ppm	0.0125 ppm
Concentration per Run	0.0116 ppm	0.0121 ppm	0.0110 ppm	0.0116 ppm	0.0108 ppm	0.0958 ppm	0.0125 ppm
Recovery Percentage	0.00 %	120.183 %	110.481 %	111.082 %	0.00 %	0.00 %	125.721 %
Concentration RSD	0.3 %	1.4 %	4.7 %	4.1 %	13.5 %	7.4 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0113 ppm	0.0111 ppm	0.0112 ppm	0.2310 ppm	0.0110 ppm	0.0119 ppm	0.0125 ppm
Concentration per Run	0.0131 ppm	0.0112 ppm	0.0105 ppm	0.2312 ppm	0.0116 ppm	0.0115 ppm	0.0120 ppm
Concentration per Run	0.0085 ppm	0.0111 ppm	0.0109 ppm	0.2331 ppm	0.0107 ppm	0.0124 ppm	0.0137 ppm
Concentration per Run	0.0123 ppm	0.0110 ppm	0.0105 ppm	0.2288 ppm	0.0107 ppm	0.0120 ppm	0.0120 ppm
Recovery Percentage	0.00 %	110.606 %	106.196 %	0.00 %	110.170 %	119.449 %	0.00 %
Concentration RSD	21.7 %	0.9 %	2.5 %	0.9 %	4.8 %	3.9 %	7.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0130 ppm	0.1207 ppm	0.0113 ppm	0.0112 ppm	0.0109 ppm	0.0112 ppm	0.0108 ppm
Concentration per Run	0.0103 ppm	0.1219 ppm	0.0109 ppm	0.0112 ppm	0.0106 ppm	0.0114 ppm	0.0109 ppm
Concentration per Run	0.0147 ppm	0.1214 ppm	0.0121 ppm	0.0111 ppm	0.0111 ppm	0.0108 ppm	0.0109 ppm
Concentration per Run	0.0140 ppm	0.1188 ppm	0.0108 ppm	0.0113 ppm	0.0108 ppm	0.0113 ppm	0.0108 ppm
Recovery Percentage	129.945 %	0.00 %	112.887 %	112.294 %	108.636 %	111.590 %	108.435 %
Concentration RSD	18.2 %	1.4 %	6.1 %	1.0 %	2.3 %	2.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0120 ppm	101.0888 %	99.7516 %	100.7227 %	101.3281 %	101.1705 %	100.0195 %
Concentration per Run	0.0123 ppm	101.3608 %	100.4162 %	100.9020 %	101.8996 %	101.3731 %	100.1275 %
Concentration per Run	0.0118 ppm	100.9097 %	99.1068 %	100.8487 %	100.7127 %	101.5055 %	100.1232 %
Concentration per Run	0.0119 ppm	100.9959 %	99.7316 %	100.4176 %	101.3721 %	100.6330 %	99.8079 %
Recovery Percentage	120.078 %						
Concentration RSD	2.1 %	0.2 %	0.7 %	0.3 %	0.6 %	0.5 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LLOQ_05

Analysis started at: 9/11/2025 9:41:43 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0483 ppm	0.0453 ppm	0.0497 ppm	0.0499 ppm	0.0506 ppm	0.0503 ppm	0.0522 ppm
Concentration per Run	0.0479 ppm	0.0453 ppm	0.0493 ppm	0.0479 ppm	0.0507 ppm	0.0505 ppm	0.0539 ppm
Concentration per Run	0.0486 ppm	0.0402 ppm	0.0496 ppm	0.0516 ppm	0.0504 ppm	0.0501 ppm	0.0516 ppm
Concentration per Run	0.0485 ppm	0.0503 ppm	0.0502 ppm	0.0501 ppm	0.0506 ppm	0.0504 ppm	0.0510 ppm
Recovery Percentage	0.00 %	90.550 %	0.00 %	0.00 %	0.00 %	0.00 %	104.315 %
Concentration RSD	0.7 %	11.2 %	0.9 %	3.7 %	0.3 %	0.4 %	2.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0509 ppm	0.0506 ppm	0.0506 ppm	0.0508 ppm	0.0524 ppm	0.5130 ppm	0.0542 ppm
Concentration per Run	0.0505 ppm	0.0507 ppm	0.0505 ppm	0.0504 ppm	0.0532 ppm	0.5337 ppm	0.0560 ppm
Concentration per Run	0.0511 ppm	0.0504 ppm	0.0511 ppm	0.0510 ppm	0.0539 ppm	0.4945 ppm	0.0526 ppm
Concentration per Run	0.0510 ppm	0.0507 ppm	0.0508 ppm	0.0507 ppm	0.0502 ppm	0.5107 ppm	0.0540 ppm
Recovery Percentage	0.00 %	0.00 %	0.00 %	0.00 %	104.843 %	20.519 %	0.00 %
Concentration RSD	0.7 %	0.4 %	1.0 %	0.7 %	3.8 %	3.8 %	3.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0516 ppm	0.0512 ppm	0.0478 ppm	1.0624 ppm	0.0513 ppm	0.0504 ppm	0.0512 ppm
Concentration per Run	0.0507 ppm	0.0514 ppm	0.0477 ppm	1.0682 ppm	0.0509 ppm	0.0524 ppm	0.0524 ppm
Concentration per Run	0.0522 ppm	0.0511 ppm	0.0482 ppm	1.0573 ppm	0.0508 ppm	0.0501 ppm	0.0516 ppm
Concentration per Run	0.0521 ppm	0.0512 ppm	0.0473 ppm	1.0617 ppm	0.0521 ppm	0.0509 ppm	0.0497 ppm
Recovery Percentage	103.298 %	0.00 %	0.00 %	106.239 %	0.00 %	0.00 %	102.441 %
Concentration RSD	1.7 %	0.3 %	0.9 %	0.5 %	1.4 %	0.8 %	2.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0488 ppm	0.5334 ppm	0.0492 ppm	0.0512 ppm	0.0498 ppm	0.0506 ppm	0.0493 ppm
Concentration per Run	0.0498 ppm	0.5326 ppm	0.0476 ppm	0.0513 ppm	0.0498 ppm	0.0501 ppm	0.0488 ppm
Concentration per Run	0.0468 ppm	0.5358 ppm	0.0496 ppm	0.0511 ppm	0.0497 ppm	0.0509 ppm	0.0494 ppm
Concentration per Run	0.0498 ppm	0.5318 ppm	0.0503 ppm	0.0513 ppm	0.0499 ppm	0.0509 ppm	0.0497 ppm
Recovery Percentage	0.00 %	106.679 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %
Concentration RSD	3.5 %	0.4 %	2.8 %	0.3 %	0.2 %	0.9 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0505 ppm	104.0170 %	101.5956 %	103.8502 %	103.1691 %	103.8798 %	102.1310 %
Concentration per Run	0.0502 ppm	104.6642 %	101.6749 %	104.0370 %	103.6238 %	104.7951 %	101.9686 %
Concentration per Run	0.0504 ppm	103.4329 %	101.6245 %	103.4711 %	102.8550 %	102.6391 %	101.9772 %
Concentration per Run	0.0508 ppm	103.9539 %	101.4904 %	104.0426 %	103.0285 %	104.2053 %	102.4473 %
Recovery Percentage	101.008 %						
Concentration RSD	0.6 %	0.6 %	0.1 %	0.3 %	0.4 %	1.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR As 5
Analysis started at: 9/11/2025 9:43:48 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	-0.0027 ppm		0.0005 ppm	-0.0001 ppm	0.0001 ppm	0.0048 ppm
Concentration per Run	0.0002 ppm	0.0028 ppm	5.3809 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0065 ppm
Concentration per Run	0.0002 ppm	-0.0134 ppm	5.3949 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run	0.0001 ppm	0.0026 ppm	5.3826 ppm	-0.0005 ppm	-0.0002 ppm	0.0001 ppm	0.0061 ppm
Concentration RSD	58.0 %	347.6 %	0.3 %	170.7 %	136.5 %	54.4 %	54.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0008 ppm	0.0008 ppm	-0.0452 ppm	-0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0003 ppm	-0.0009 ppm	0.0005 ppm	-0.0012 ppm	-0.0012 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0001 ppm	-0.0007 ppm	0.0004 ppm	-0.0321 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0001 ppm	-0.0009 ppm	0.0015 ppm	-0.0508 ppm	-0.0001 ppm
Concentration RSD	456.3 %	46.5 %	160.2 %	11.8 %	76.2 %	25.1 %	607.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0005 ppm	0.0001 ppm	-0.0002 ppm	-0.0044 ppm	-0.0007 ppm	-0.0007 ppm	-0.0015 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0058 ppm	-0.0015 ppm	-0.0010 ppm	-0.0007 ppm
Concentration per Run	0.0016 ppm	0.0000 ppm	0.0000 ppm	-0.0047 ppm	-0.0009 ppm	-0.0011 ppm	0.0013 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	-0.0005 ppm	-0.0028 ppm	0.0005 ppm	0.0000 ppm	-0.0051 ppm
Concentration RSD	207.6 %	43.5 %	176.2 %	34.6 %	156.5 %	88.1 %	217.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	-0.0019 ppm	0.0003 ppm	-0.0001 ppm	-0.0004 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run	0.0003 ppm	-0.0021 ppm	-0.0006 ppm	0.0000 ppm	-0.0007 ppm	-0.0010 ppm	-0.0003 ppm
Concentration per Run	0.0063 ppm	-0.0011 ppm	0.0008 ppm	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	-0.0004 ppm
Concentration per Run	0.0054 ppm	-0.0025 ppm	0.0006 ppm	-0.0001 ppm	-0.0003 ppm	-0.0008 ppm	0.0001 ppm
Concentration RSD	81.5 %	36.2 %	271.7 %	70.3 %	52.3 %	151.5 %	135.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	103.9050 %	101.7943 %	103.1526 %	102.9926 %	104.0122 %	101.3935 %
Concentration per Run	0.0003 ppm	104.6739 %	102.0146 %	103.0576 %	103.5039 %	104.6009 %	101.2599 %
Concentration per Run	0.0008 ppm	103.0405 %	101.8145 %	102.6843 %	102.2090 %	104.2265 %	100.7299 %
Concentration per Run	0.0004 ppm	104.0006 %	101.5539 %	103.7158 %	103.2648 %	103.2092 %	102.1906 %
Concentration RSD	48.6 %	0.8 %	0.2 %	0.5 %	0.7 %	0.7 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: xLLOQ_005 As only
Analysis started at: 9/11/2025 9:53:35 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0014 ppm	0.0071 ppm	0.0012 ppm	-0.0002 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run	-0.0002 ppm	-0.0002 ppm	0.0098 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0025 ppm
Concentration per Run	0.0001 ppm	0.0095 ppm	0.0055 ppm	0.0016 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0004 ppm	-0.0136 ppm	0.0060 ppm	0.0012 ppm	-0.0002 ppm	0.0001 ppm	0.0032 ppm
Recovery Percentage	-3.129 %	0.000 %	142.213 %	0.000 %	0.000 %	0.858 %	0.000 %
Concentration RSD	180.4 %	804.5 %	33.0 %	40.7 %	26.4 %	96.3 %	81.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	-0.0001 ppm	-0.0004 ppm	0.0013 ppm	-0.0400 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0006 ppm	-0.0003 ppm	0.0024 ppm	-0.0426 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0004 ppm	0.0005 ppm	-0.0395 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0009 ppm	-0.0380 ppm	0.0020 ppm
Recovery Percentage	0.318 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	250.8 %	154.1 %	456.9 %	25.0 %	77.4 %	5.9 %	79.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0013 ppm	-0.0001 ppm	-0.0003 ppm	-0.0040 ppm	-0.0008 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	-0.0072 ppm	-0.0005 ppm	0.0002 ppm	-0.0012 ppm
Concentration per Run	-0.0017 ppm	-0.0001 ppm	-0.0002 ppm	-0.0040 ppm	-0.0007 ppm	0.0004 ppm	-0.0023 ppm
Concentration per Run	-0.0022 ppm	-0.0002 ppm	-0.0003 ppm	-0.0009 ppm	-0.0011 ppm	-0.0010 ppm	0.0021 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	82.6 %	142.4 %	36.8 %	78.6 %	40.7 %	511.0 %	467.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	-0.0007 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0046 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0005 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0005 ppm	0.0012 ppm	-0.0007 ppm	0.0000 ppm	-0.0009 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0032 ppm	0.0011 ppm	0.0007 ppm	0.0001 ppm	-0.0007 ppm	0.0003 ppm	-0.0002 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	74.6 %	156.8 %	1.354.6 %	495.7 %	26.5 %	126.4 %	173.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	100.8484 %	99.9987 %	100.9188 %	101.6548 %	103.4597 %	100.7375 %
Concentration per Run	0.0003 ppm	101.5545 %	99.7455 %	100.8653 %	102.3892 %	103.1297 %	100.4399 %
Concentration per Run	0.0007 ppm	100.6117 %	100.3204 %	100.1831 %	101.4200 %	102.8219 %	100.1337 %
Concentration per Run	0.0007 ppm	100.3790 %	99.9302 %	101.7081 %	101.1552 %	104.4277 %	101.6391 %
Recovery Percentage	11.484 %	0.6 %	0.3 %	0.8 %	0.6 %	0.8 %	0.8 %
Concentration RSD	36.1 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: xLLOQ

Analysis started at: 9/11/2025 9:56:36 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0049 ppm	0.1049 ppm	0.0068 ppm	0.0306 ppm	0.0104 ppm	0.0053 ppm	0.1074 ppm
Concentration per Run	0.0047 ppm	0.0960 ppm	0.0076 ppm	0.0312 ppm	0.0076 ppm	0.0053 ppm	0.1048 ppm
Concentration per Run	0.0048 ppm	0.1182 ppm	0.0085 ppm	0.0313 ppm	0.0105 ppm	0.0053 ppm	0.1088 ppm
Concentration per Run	0.0050 ppm	0.1005 ppm	0.0043 ppm	0.0294 ppm	0.0102 ppm	0.0054 ppm	0.1085 ppm
Recovery Percentage	97.259 %	104.888 %	135.488 %	102.077 %	104.070 %	106.875 %	107.373 %
Concentration RSD	2.9 %	11.2 %	32.7 %	3.6 %	1.3 %	1.4 %	2.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0043 ppm	0.0109 ppm	0.0104 ppm	0.0103 ppm	0.0577 ppm	2.6901 ppm	0.0145 ppm
Concentration per Run	0.0043 ppm	0.0107 ppm	0.0106 ppm	0.0103 ppm	0.0575 ppm	2.6894 ppm	0.0139 ppm
Concentration per Run	0.0044 ppm	0.0113 ppm	0.0106 ppm	0.0101 ppm	0.0581 ppm	2.6967 ppm	0.0164 ppm
Concentration per Run	0.0043 ppm	0.0105 ppm	0.0101 ppm	0.0106 ppm	0.0574 ppm	2.6841 ppm	0.0132 ppm
Recovery Percentage	108.132 %	108.646 %	104.189 %	103.440 %	115.351 %	107.602 %	145.364 %
Concentration RSD	1.1 %	3.8 %	2.7 %	2.0 %	0.7 %	0.2 %	11.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1125 ppm	0.0105 ppm	0.0513 ppm	2.1741 ppm	0.0204 ppm	0.0114 ppm	0.0542 ppm
Concentration per Run	0.1121 ppm	0.0106 ppm	0.0514 ppm	2.1783 ppm	0.0195 ppm	0.0126 ppm	0.0542 ppm
Concentration per Run	0.1116 ppm	0.0103 ppm	0.0518 ppm	2.1737 ppm	0.0213 ppm	0.0107 ppm	0.0541 ppm
Concentration per Run	0.1139 ppm	0.0105 ppm	0.0509 ppm	2.1701 ppm	0.0204 ppm	0.0108 ppm	0.0544 ppm
Recovery Percentage	112.545 %	104.857 %	102.683 %	108.704 %	81.653 %	113.569 %	108.441 %
Concentration RSD	1.1 %	1.4 %	0.9 %	0.2 %	4.6 %	9.2 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0113 ppm	0.5440 ppm	0.0530 ppm	0.0105 ppm	0.0101 ppm	0.0211 ppm	0.0103 ppm
Concentration per Run	0.0112 ppm	0.5464 ppm	0.0537 ppm	0.0105 ppm	0.0103 ppm	0.0202 ppm	0.0103 ppm
Concentration per Run	0.0120 ppm	0.5404 ppm	0.0518 ppm	0.0104 ppm	0.0099 ppm	0.0223 ppm	0.0101 ppm
Concentration per Run	0.0107 ppm	0.5452 ppm	0.0534 ppm	0.0105 ppm	0.0100 ppm	0.0208 ppm	0.0106 ppm
Recovery Percentage	112.939 %	108.806 %	105.987 %	104.684 %	100.723 %	105.441 %	103.173 %
Concentration RSD	5.6 %	0.6 %	1.9 %	0.5 %	2.4 %	5.0 %	2.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0065 ppm	103.8044 %	100.0876 %	102.5071 %	102.4237 %	101.7436 %	101.1015 %
Concentration per Run	0.0069 ppm	104.1144 %	100.2829 %	102.6482 %	102.6647 %	102.8280 %	101.2220 %
Concentration per Run	0.0064 ppm	102.1048 %	100.2819 %	102.9715 %	101.8286 %	101.1748 %	101.4971 %
Concentration per Run	0.0063 ppm	103.9440 %	99.6980 %	101.9015 %	102.7778 %	101.2281 %	100.5853 %
Recovery Percentage	130.418 %						
Concentration RSD	5.0 %	0.4 %	0.3 %	0.5 %	0.5 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: skipping
Analysis started at: 9/11/2025 9:58:42 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 6

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LLOQ_01 As only
Analysis started at: 9/11/2025 10:02:56 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0016 ppm	0.0118 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run	-0.0003 ppm	-0.0026 ppm	0.0103 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	0.0002 ppm	0.0078 ppm	0.0120 ppm	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0131 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm
Recovery Percentage	0.000 %	0.000 %	117.907 %	-0.816 %	-0.504 %	0.000 %	0.000 %
Concentration RSD	728.5 %	350.3 %	11.9 %	736.7 %	148.3 %	381.0 %	570.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	-0.0001 ppm	-0.0004 ppm	-0.0001 ppm	-0.0429 ppm	0.0019 ppm
Concentration per Run	0.0002 ppm	-0.0002 ppm	-0.0001 ppm	-0.0006 ppm	0.0001 ppm	-0.0504 ppm	0.0014 ppm
Concentration per Run	0.0002 ppm	0.0009 ppm	0.0002 ppm	-0.0003 ppm	0.0002 ppm	-0.0580 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0003 ppm	-0.0003 ppm	-0.0005 ppm	-0.0201 ppm	0.0033 ppm
Recovery Percentage	0.000 %	4.317 %	-1.120 %	-3.771 %	0.000 %	0.000 %	19.330 %
Concentration RSD	51.8 %	127.6 %	301.1 %	44.7 %	813.5 %	46.8 %	61.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0013 ppm	0.0001 ppm	-0.0002 ppm	-0.0041 ppm	-0.0012 ppm	0.0003 ppm	-0.0018 ppm
Concentration per Run	-0.0027 ppm	0.0001 ppm	-0.0002 ppm	-0.0034 ppm	-0.0016 ppm	-0.0002 ppm	-0.0048 ppm
Concentration per Run	-0.0015 ppm	-0.0001 ppm	-0.0001 ppm	-0.0070 ppm	-0.0010 ppm	0.0015 ppm	-0.0021 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	-0.0002 ppm	-0.0020 ppm	-0.0009 ppm	-0.0005 ppm	0.0015 ppm
Recovery Percentage	0.000 %	0.871 %	-1.617 %	0.000 %	-11.870 %	2.634 %	0.000 %
Concentration RSD	112.6 %	214.7 %	59.6 %	62.8 %	32.7 %	404.9 %	173.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0012 ppm	-0.0011 ppm	0.0006 ppm	-0.0001 ppm	-0.0006 ppm	0.0003 ppm	-0.0004 ppm
Concentration per Run	-0.0018 ppm	-0.0008 ppm	-0.0002 ppm	-0.0001 ppm	-0.0005 ppm	0.0012 ppm	-0.0005 ppm
Concentration per Run	-0.0015 ppm	-0.0009 ppm	0.0021 ppm	-0.0002 ppm	-0.0006 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run	0.0069 ppm	-0.0017 ppm	-0.0001 ppm	-0.0002 ppm	-0.0006 ppm	-0.0005 ppm	-0.0003 ppm
Recovery Percentage	12.002 %	0.000 %	6.209 %	-1.270 %	-5.724 %	2.540 %	-4.040 %
Concentration RSD	413.1 %	45.2 %	211.7 %	47.8 %	6.3 %	349.3 %	28.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	97.0352 %	95.1886 %	97.0399 %	97.6674 %	98.9728 %	96.9353 %
Concentration per Run	0.0006 ppm	96.1294 %	95.5803 %	96.4904 %	96.9668 %	98.7101 %	96.5042 %
Concentration per Run	0.0003 ppm	97.4007 %	94.8900 %	96.9374 %	98.0743 %	98.6804 %	96.9786 %
Concentration per Run	0.0001 ppm	97.5755 %	95.0956 %	97.6920 %	97.9610 %	99.5278 %	97.3231 %
Recovery Percentage	3.442 %						
Concentration RSD	72.3 %	0.8 %	0.4 %	0.6 %	0.6 %	0.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample:

Analysis started at: 9/11/2025 10:05:50 AM

Comment

Rack Number

Vial Numbers

0

<Comment>

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5131 ppm	0.4849 ppm	0.4926 ppm	0.5013 ppm	0.4982 ppm	0.5087 ppm	0.4928 ppm
Concentration per Run	0.5144 ppm	0.4839 ppm	0.4922 ppm	0.4998 ppm	0.4984 ppm	0.5102 ppm	0.4899 ppm
Concentration per Run	0.5131 ppm	0.4907 ppm	0.4919 ppm	0.5015 ppm	0.4965 ppm	0.5057 ppm	0.4899 ppm
Concentration per Run	0.5116 ppm	0.4801 ppm	0.4937 ppm	0.5027 ppm	0.4998 ppm	0.5103 ppm	0.4886 ppm
Recovery Percentage	102.610 %	96.983 %	98.519 %	100.269 %	99.645 %	101.749 %	98.559 %
Concentration RSD	0.3 %	1.1 %	0.2 %	0.3 %	0.3 %	0.5 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5270 ppm	0.5119 ppm	0.5161 ppm	0.5266 ppm	0.4996 ppm	5.1344 ppm	0.5030 ppm
Concentration per Run	0.5271 ppm	0.5111 ppm	0.5149 ppm	0.5273 ppm	0.5039 ppm	5.1816 ppm	0.5028 ppm
Concentration per Run	0.5268 ppm	0.5102 ppm	0.5156 ppm	0.5265 ppm	0.4923 ppm	5.1004 ppm	0.4966 ppm
Concentration per Run	0.5272 ppm	0.5146 ppm	0.5177 ppm	0.5259 ppm	0.5027 ppm	5.1212 ppm	0.5096 ppm
Recovery Percentage	105.408 %	102.387 %	103.216 %	105.315 %	99.926 %	102.688 %	100.595 %
Concentration RSD	0.0 %	0.5 %	0.3 %	0.1 %	1.3 %	0.8 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5300 ppm	0.5124 ppm	0.4949 ppm	10.4343 ppm	0.5201 ppm	0.5075 ppm	0.5214 ppm
Concentration per Run	0.5369 ppm	0.5125 ppm	0.4939 ppm	10.4655 ppm	0.5190 ppm	0.5083 ppm	0.5261 ppm
Concentration per Run	0.5265 ppm	0.5118 ppm	0.4925 ppm	10.3887 ppm	0.5198 ppm	0.5066 ppm	0.5233 ppm
Concentration per Run	0.5267 ppm	0.5128 ppm	0.4981 ppm	10.4485 ppm	0.5215 ppm	0.5074 ppm	0.5148 ppm
Recovery Percentage	106.008 %	102.471 %	98.971 %	104.343 %	104.020 %	101.490 %	104.277 %
Concentration RSD	1.1 %	0.1 %	0.6 %	0.4 %	0.2 %	0.2 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4921 ppm	5.4756 ppm	0.5029 ppm	0.5071 ppm	0.5267 ppm	0.5109 ppm	0.5183 ppm
Concentration per Run	0.4945 ppm	5.4833 ppm	0.5012 ppm	0.5073 ppm	0.5316 ppm	0.5114 ppm	0.5185 ppm
Concentration per Run	0.4895 ppm	5.4648 ppm	0.5021 ppm	0.5033 ppm	0.5263 ppm	0.5107 ppm	0.5174 ppm
Concentration per Run	0.4924 ppm	5.4788 ppm	0.5054 ppm	0.5106 ppm	0.5223 ppm	0.5107 ppm	0.5189 ppm
Recovery Percentage	98.422 %	104.298 %	100.582 %	101.413 %	105.349 %	102.189 %	103.656 %
Concentration RSD	0.5 %	0.2 %	0.4 %	0.7 %	0.9 %	0.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5152 ppm	98.2312 %	96.2134 %	96.9294 %	96.4672 %	97.8883 %	95.6527 %
Concentration per Run	0.5144 ppm	98.0288 %	96.2664 %	96.7013 %	96.5823 %	98.3952 %	95.5625 %
Concentration per Run	0.5144 ppm	98.7633 %	97.2267 %	97.2267 %	96.9099 %	97.5043 %	96.0507 %
Concentration per Run	0.5169 ppm	97.9015 %	96.0624 %	96.8601 %	95.9094 %	97.7653 %	95.3448 %
Recovery Percentage	103.041 %						
Concentration RSD	0.3 %	0.5 %	0.1 %	0.3 %	0.5 %	0.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 10:07:54 AM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0013 ppm	0.0030 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	-0.0033 ppm
Concentration per Run	-0.0003 ppm	-0.0040 ppm	0.0033 ppm	-0.0006 ppm	-0.0002 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run	-0.0004 ppm	-0.0047 ppm	0.0018 ppm	0.0020 ppm	-0.0001 ppm	0.0000 ppm	-0.0028 ppm
Concentration per Run	0.0000 ppm	0.0048 ppm	0.0039 ppm	0.0006 ppm	-0.0002 ppm	0.0001 ppm	-0.0030 ppm
Recovery Percentage	-3.381 %	-1.287 %	60.308 %	2.164 %	-1.494 %	0.815 %	-3.303 %
Concentration RSD	86.6 %	412.9 %	34.6 %	200.4 %	46.5 %	67.8 %	22.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0005 ppm	0.0000 ppm	-0.0004 ppm	0.0011 ppm	-0.0538 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	0.0001 ppm	-0.0001 ppm	0.0010 ppm	-0.0612 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0018 ppm	-0.0497 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0003 ppm	-0.0009 ppm	0.0005 ppm	-0.0504 ppm	0.0016 ppm
Recovery Percentage	0.191 %	2.518 %	-0.132 %	-4.194 %	2.232 %	-2.150 %	29.578 %
Concentration RSD	278.3 %	71.4 %	2,135.4 %	103.3 %	59.7 %	12.0 %	11.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0002 ppm	-0.0009 ppm
Concentration per Run	0.0008 ppm	0.0001 ppm	0.0002 ppm	-0.0013 ppm	-0.0011 ppm	0.0009 ppm	0.0041 ppm
Concentration per Run	-0.0029 ppm	0.0001 ppm	0.0005 ppm	-0.0019 ppm	-0.0004 ppm	0.0001 ppm	0.0030 ppm
Concentration per Run	-0.0024 ppm	0.0000 ppm	0.0002 ppm	0.0033 ppm	0.0006 ppm	-0.0002 ppm	-0.0097 ppm
Recovery Percentage	-1.531 %	0.617 %	0.595 %	0.001 %	-1.303 %	2.079 %	-1.745 %
Concentration RSD	130.8 %	32.9 %	60.0 %	15,476.7 %	253.3 %	275.1 %	881.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	-0.0006 ppm	0.0005 ppm	-0.0001 ppm	-0.0003 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0012 ppm	-0.0006 ppm	0.0010 ppm	0.0000 ppm	-0.0005 ppm	0.0002 ppm	-0.0005 ppm
Concentration per Run	-0.0022 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0004 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	0.0018 ppm	-0.0014 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0011 ppm	0.0001 ppm
Recovery Percentage	2.858 %	-0.130 %	1.065 %	-0.668 %	-2.980 %	-1.562 %	-2.118 %
Concentration RSD	756.7 %	111.0 %	75.0 %	163.4 %	75.3 %	212.9 %	131.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	97.0261 %	95.2108 %	96.2015 %	97.3922 %	98.9303 %	96.2740 %
Concentration per Run	0.0002 ppm	96.8057 %	94.9840 %	95.5834 %	97.4140 %	98.9432 %	95.7023 %
Concentration per Run	0.0002 ppm	97.6300 %	96.6147 %	96.4875 %	98.0866 %	98.7208 %	96.5565 %
Concentration per Run	0.0000 ppm	96.6425 %	96.0337 %	96.5335 %	96.6761 %	99.1270 %	96.5631 %
Recovery Percentage	2.856 %						
Concentration RSD	87.3 %	0.5 %	0.8 %	0.6 %	0.7 %	0.2 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-1 WG2112933

Analysis started at: 9/11/2025 10:15:02 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0079 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0086 ppm
Concentration per Run	-0.0006 ppm	0.0070 ppm	0.0006 ppm	-0.0004 ppm	0.0001 ppm	0.0070 ppm	0.0070 ppm
Concentration per Run	-0.0003 ppm	0.0075 ppm	0.0007 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0065 ppm
Concentration per Run	0.0001 ppm	0.0092 ppm	0.0012 ppm	-0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0125 ppm
Concentration RSD	149.0 %	14.5 %	35.8 %	440.0 %	635.9 %	456.0 %	38.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0004 ppm	0.0315 ppm	-0.0320 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0004 ppm	-0.0007 ppm	0.0308 ppm	-0.0300 ppm	0.0025 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0004 ppm	-0.0006 ppm	0.0323 ppm	-0.0280 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0313 ppm	-0.0378 ppm	0.0019 ppm
Concentration RSD	422.5 %	164.1 %	22.2 %	99.4 %	2.4 %	16.2 %	72.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0012 ppm	0.0002 ppm	0.0002 ppm	0.0183 ppm	-0.0006 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run	-0.0006 ppm	0.0003 ppm	-0.0004 ppm	0.0199 ppm	-0.0003 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run	0.0018 ppm	0.0000 ppm	0.0001 ppm	0.0202 ppm	-0.0009 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run	0.0025 ppm	0.0003 ppm	0.0002 ppm	0.0148 ppm	-0.0006 ppm	-0.0002 ppm	-0.0019 ppm
Concentration RSD	129.1 %	86.2 %	652.2 %	16.5 %	45.7 %	399.5 %	486.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	0.0105 ppm	0.0103 ppm	0.0000 ppm	-0.0007 ppm	-0.0011 ppm	-0.0003 ppm
Concentration per Run	-0.0028 ppm	0.0087 ppm	0.0103 ppm	0.0001 ppm	-0.0004 ppm	-0.0008 ppm	-0.0004 ppm
Concentration per Run	0.0062 ppm	0.0112 ppm	-0.0001 ppm	-0.0001 ppm	-0.0008 ppm	-0.0027 ppm	-0.0004 ppm
Concentration per Run	0.0048 ppm	0.0115 ppm	0.0100 ppm	0.0001 ppm	-0.0009 ppm	0.0003 ppm	-0.0002 ppm
Concentration RSD	178.4 %	14.7 %	6.6 %	194.0 %	41.4 %	144.2 %	43.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	97.0520 %	95.9822 %	95.0811 %	96.8344 %	98.4337 %	95.8350 %
Concentration per Run	0.0010 ppm	96.4994 %	96.4905 %	95.6593 %	96.1759 %	97.2737 %	96.5047 %
Concentration per Run	0.0010 ppm	97.0696 %	95.9081 %	95.1790 %	97.1817 %	99.3589 %	95.7357 %
Concentration per Run	0.0009 ppm	97.5869 %	95.5479 %	94.4048 %	97.1454 %	98.6685 %	95.2646 %
Concentration RSD	6.3 %	0.6 %	0.5 %	0.7 %	0.6 %	1.1 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-2d2 WG2112933

Analysis started at: 9/11/2025 10:17:18 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 9

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0528 ppm	2.1290 ppm	0.1251 ppm	1.0668 ppm	2.0618 ppm	0.0531 ppm	10.7828 ppm
Concentration per Run	0.0530 ppm	2.1272 ppm	0.1252 ppm	1.0642 ppm	2.0605 ppm	0.0530 ppm	10.8057 ppm
Concentration per Run	0.0523 ppm	2.1433 ppm	0.1246 ppm	1.0652 ppm	2.0669 ppm	0.0532 ppm	10.7817 ppm
Concentration per Run	0.0530 ppm	2.1165 ppm	0.1256 ppm	1.0711 ppm	2.0579 ppm	0.0530 ppm	10.7611 ppm
Concentration RSD	0.7 %	0.6 %	0.4 %	0.3 %	0.2 %	0.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0566 ppm	0.5141 ppm	0.2109 ppm	0.2886 ppm	1.0660 ppm	10.9371 ppm	0.0003 ppm
Concentration per Run	0.0566 ppm	0.5145 ppm	0.2104 ppm	0.2892 ppm	1.0656 ppm	10.9544 ppm	0.0004 ppm
Concentration per Run	0.0563 ppm	0.5135 ppm	0.2102 ppm	0.2672 ppm	1.0685 ppm	10.9435 ppm	0.0002 ppm
Concentration per Run	0.0570 ppm	0.5144 ppm	0.2121 ppm	0.2695 ppm	1.0641 ppm	10.9132 ppm	0.0003 ppm
Concentration RSD	0.7 %	0.1 %	0.5 %	0.5 %	0.2 %	0.2 %	25.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.1735 ppm	0.5235 ppm	1.0655 ppm	11.2248 ppm	0.5285 ppm	0.5542 ppm	0.5435 ppm
Concentration per Run	11.1995 ppm	0.5251 ppm	1.0640 ppm	11.1848 ppm	0.5284 ppm	0.5533 ppm	0.5433 ppm
Concentration per Run	11.0975 ppm	0.5238 ppm	1.0625 ppm	11.2889 ppm	0.5268 ppm	0.5570 ppm	0.5457 ppm
Concentration per Run	11.2236 ppm	0.5214 ppm	1.0699 ppm	11.2207 ppm	0.5303 ppm	0.5522 ppm	0.5416 ppm
Concentration RSD	0.6 %	0.4 %	0.4 %	0.4 %	0.3 %	0.5 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1250 ppm	1.1778 ppm	1.0641 [SIC xx]	1.0616 ppm	1.1104 ppm	0.1261 ppm	0.5457 ppm
Concentration per Run	0.1267 ppm	1.1783 ppm	1.0674 ppm	1.0606 ppm	1.1103 ppm	0.1254 ppm	0.5453 ppm
Concentration per Run	0.1219 ppm	1.1736 ppm	1.0606 ppm	1.0636 ppm	1.1037 ppm	0.1273 ppm	0.5444 ppm
Concentration per Run	0.1266 ppm	1.1817 ppm	1.0642 ppm	1.0607 ppm	1.1173 ppm	0.1256 ppm	0.5474 ppm
Concentration RSD	2.2 %	0.3 %	0.3 %	0.2 %	0.6 %	0.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5263 ppm	97.7481 %	97.7481 %	94.6054 %	95.7974 %	99.1455 %	94.6059 %
Concentration per Run	0.5260 ppm	97.6739 %	97.6739 %	96.5340 %	95.6957 %	99.2172 %	93.7211 %
Concentration per Run	0.5240 ppm	98.1193 %	98.1193 %	97.1115 %	94.3888 %	95.9826 %	94.6749 %
Concentration per Run	0.5288 ppm	97.4513 %	97.4513 %	97.5525 %	95.7140 %	99.4355 %	95.4216 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.5 %	0.7 %	0.2 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553224-03dd2 WG2112933

Analysis started at: 9/11/2025 10:19:23 AM

Comment <Comment>

Rack Number 1

Vial Numbers 15

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0011 ppm	68.8890 ppm	0.5079 ppm	0.0023 ppm	0.2780 ppm	0.0021 ppm	19.1993 ppm
Concentration per Run	-0.0010 ppm	68.7499 ppm	0.5068 ppm	0.0021 ppm	0.2770 ppm	0.0020 ppm	19.1431 ppm
Concentration per Run	-0.0018 ppm	68.8373 ppm	0.5089 ppm	0.0028 ppm	0.2784 ppm	0.0021 ppm	19.1673 ppm
Concentration per Run	-0.0006 ppm	69.0798 ppm	0.5079 ppm	0.0021 ppm	0.2785 ppm	0.0021 ppm	19.2875 ppm
Concentration RSD	55.4 %	0.2 %	0.2 %	17.5 %	0.3 %	1.8 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0378 ppm	0.1022 ppm	0.1901 ppm	132.5883 ppm	24.6731 ppm	0.1915 ppm
Concentration per Run	0.0002 ppm	0.0375 ppm	0.1025 ppm	0.1907 ppm	132.9318 ppm	24.5999 ppm	0.1935 ppm
Concentration per Run	0.0001 ppm	0.0376 ppm	0.1023 ppm	0.1905 ppm	132.7069 ppm	24.7456 ppm	0.1907 ppm
Concentration per Run	0.0004 ppm	0.0383 ppm	0.1019 ppm	0.1893 ppm	132.1262 ppm	24.6736 ppm	0.1904 ppm
Concentration RSD	76.2 %	1.1 %	0.3 %	0.4 %	0.3 %	0.3 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	33.4911 ppm	2.2929 ppm	0.0060 ppm	0.5229 ppm	0.0521 ppm	0.0555 ppm	-0.0025 ppm
Concentration per Run	33.7112 ppm	2.2880 ppm	0.0062 ppm	0.5215 ppm	0.0522 ppm	0.0554 ppm	-0.0002 ppm
Concentration per Run	33.8447 ppm	2.3000 ppm	0.0088 ppm	0.5298 ppm	0.0521 ppm	0.0553 ppm	-0.0021 ppm
Concentration per Run	32.9175 ppm	2.2909 ppm	0.0060 ppm	0.5172 ppm	0.0521 ppm	0.0552 ppm	-0.0052 ppm
Concentration RSD	1.5 %	0.3 %	3.8 %	1.2 %	0.0 %	0.4 %	100.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	4.8877 ppm	0.0100 ppm	0.0434 ppm	5.6470 ppm	0.0000 ppm	0.1847 ppm
Concentration per Run	0.0035 ppm	5.0559 ppm	0.0099 ppm	0.0433 ppm	5.7053 ppm	-0.0015 ppm	0.1851 ppm
Concentration per Run	0.0019 ppm	4.8229 ppm	0.0116 ppm	0.0435 ppm	5.6851 ppm	0.0003 ppm	0.1854 ppm
Concentration per Run	0.0029 ppm	4.7843 ppm	0.0085 ppm	0.0433 ppm	5.5506 ppm	0.0010 ppm	0.1836 ppm
Concentration RSD	29.9 %	3.0 %	15.4 %	0.2 %	1.5 %	3.899.7 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4707 ppm	97.9005 %	99.7323 %	93.2563 %	106.0920 %	112.7046 %	106.8120 %
Concentration per Run	0.4716 ppm	97.4801 %	99.7523 %	93.2941 %	105.7213 %	112.5814 %	106.8614 %
Concentration per Run	0.4718 ppm	97.5375 %	99.2611 %	93.3639 %	106.0493 %	113.1326 %	106.9895 %
Concentration per Run	0.4687 ppm	98.6839 %	100.1835 %	93.1110 %	106.5054 %	112.3998 %	106.5851 %
Concentration RSD	0.4 %	0.7 %	0.5 %	0.1 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556592-01d2 WG2112933

Analysis started at: 9/11/2025 10:21:28 AM

Comment <Comment>

Rack Number 1

Vial Numbers 16

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	42.8897 ppm	0.0785 ppm	0.0201 ppm	2.7301 ppm	0.0026 ppm	81.9038 ppm
Concentration per Run	0.0003 ppm	42.9868 ppm	0.0774 ppm	0.0200 ppm	2.7209 ppm	0.0026 ppm	81.8811 ppm
Concentration per Run	0.0007 ppm	42.7534 ppm	0.0782 ppm	0.0210 ppm	2.7177 ppm	0.0027 ppm	81.6931 ppm
Concentration per Run	0.0006 ppm	42.9289 ppm	0.0800 ppm	0.0194 ppm	2.7518 ppm	0.0027 ppm	82.1372 ppm
Concentration RSD	35.5 %	0.3 %	1.7 %	4.0 %	0.7 %	1.6 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0019 ppm	0.0277 ppm	0.2720 ppm	0.3037 ppm	133.6058 ppm	4.4252 ppm	0.0535 ppm
Concentration per Run	0.0018 ppm	0.0272 ppm	0.2719 ppm	0.3038 ppm	133.9041 ppm	4.4228 ppm	0.0539 ppm
Concentration per Run	0.0019 ppm	0.0276 ppm	0.2715 ppm	0.3027 ppm	133.5621 ppm	4.4125 ppm	0.0551 ppm
Concentration per Run	0.0019 ppm	0.0283 ppm	0.2727 ppm	0.3045 ppm	133.3512 ppm	4.4402 ppm	0.0515 ppm
Concentration RSD	2.6 %	2.0 %	0.2 %	0.3 %	0.2 %	0.3 %	3.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	13.9712 ppm	1.2904 ppm	0.0059 ppm	0.3767 ppm	0.0745 ppm	1.2792 ppm	-0.0003 ppm
Concentration per Run	13.9042 ppm	1.2955 ppm	0.0060 ppm	0.3787 ppm	0.0745 ppm	1.2815 ppm	0.0026 ppm
Concentration per Run	13.9641 ppm	1.2816 ppm	0.0084 ppm	0.3732 ppm	0.0744 ppm	1.2778 ppm	-0.0036 ppm
Concentration per Run	14.0453 ppm	1.2942 ppm	0.0052 ppm	0.3784 ppm	0.0745 ppm	1.2782 ppm	-0.0001 ppm
Concentration RSD	0.5 %	0.6 %	10.7 %	0.8 %	0.1 %	0.2 %	892.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0039 ppm	5.2952 ppm	0.0194 ppm	0.5563 ppm	0.8099 ppm	0.0005 ppm	0.1912 ppm
Concentration per Run	0.0048 ppm	5.3400 ppm	0.0193 ppm	0.5570 ppm	0.8066 ppm	0.0005 ppm	0.1912 ppm
Concentration per Run	0.0054 ppm	5.2469 ppm	0.0197 ppm	0.5525 ppm	0.8105 ppm	0.0006 ppm	0.1908 ppm
Concentration per Run	0.0014 ppm	5.2986 ppm	0.0192 ppm	0.5594 ppm	0.8124 ppm	0.0005 ppm	0.1917 ppm
Concentration RSD	56.7 %	0.9 %	1.5 %	0.6 %	0.4 %	9.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7641 ppm	97.0917 %	98.4835 %	91.5913 %	99.5691 %	103.9794 %	99.3485 %
Concentration per Run	0.7626 ppm	96.9006 %	99.4021 %	91.2101 %	99.1131 %	105.2429 %	99.1575 %
Concentration per Run	0.7619 ppm	97.6480 %	98.6924 %	92.1593 %	100.1474 %	103.6079 %	99.7271 %
Concentration per Run	0.7679 ppm	96.7264 %	97.3561 %	91.4044 %	99.4467 %	103.0873 %	99.1609 %
Concentration RSD	0.4 %	0.5 %	1.1 %	0.5 %	0.5 %	1.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556592-02d2 WG2112933

Analysis started at: 9/11/2025 10:23:32 AM

Comment <Comment>

Rack Number 1

Vial Numbers 17

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	41.4122 ppm	0.0609 ppm	0.0067 ppm	15.4789 ppm	0.0029 ppm	9.5384 ppm
Concentration per Run	0.0005 ppm	41.5546 ppm	0.0587 ppm	0.0057 ppm	15.5558 ppm	0.0030 ppm	9.5691 ppm
Concentration per Run	0.0005 ppm	41.5168 ppm	0.0604 ppm	0.0086 ppm	15.5322 ppm	0.0030 ppm	9.5192 ppm
Concentration per Run	-0.0001 ppm	41.1651 ppm	0.0637 ppm	0.0059 ppm	15.3487 ppm	0.0029 ppm	9.5269 ppm
Concentration RSD	108.8 %	0.5 %	4.2 %	24.0 %	0.7 %	0.9 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0056 ppm	0.0280 ppm	1.0382 ppm	0.9295 ppm	103.2820 ppm	2.4590 ppm	0.0634 ppm
Concentration per Run	0.0055 ppm	0.0279 ppm	1.0357 ppm	0.9322 ppm	103.5289 ppm	2.5022 ppm	0.0647 ppm
Concentration per Run	0.0056 ppm	0.0283 ppm	1.0397 ppm	0.9290 ppm	103.4875 ppm	2.4655 ppm	0.0643 ppm
Concentration per Run	0.0056 ppm	0.0278 ppm	1.0393 ppm	0.9272 ppm	102.8297 ppm	2.4094 ppm	0.0611 ppm
Concentration RSD	1.4 %	0.9 %	0.2 %	0.3 %	0.4 %	1.9 %	3.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.8208 ppm	1.3239 ppm	0.0036 ppm	0.3037 ppm	0.0826 ppm	5.5786 ppm	0.0034 ppm
Concentration per Run	10.8022 ppm	1.3299 ppm	0.0036 ppm	0.2994 ppm	0.0816 ppm	5.5677 ppm	0.0061 ppm
Concentration per Run	10.7872 ppm	1.3257 ppm	0.0031 ppm	0.3167 ppm	0.0827 ppm	5.5654 ppm	0.0038 ppm
Concentration per Run	10.8731 ppm	1.3162 ppm	0.0041 ppm	0.2950 ppm	0.0836 ppm	5.6028 ppm	0.0002 ppm
Concentration RSD	0.4 %	0.5 %	14.7 %	3.8 %	1.2 %	0.4 %	86.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0067 ppm	4.0761 ppm	0.0797 ppm	0.2436 ppm	0.6127 ppm	-0.0007 ppm	0.1966 ppm
Concentration per Run	0.0060 ppm	4.1258 ppm	0.0784 ppm	0.2454 ppm	0.6141 ppm	-0.0020 ppm	0.1963 ppm
Concentration per Run	0.0074 ppm	4.0605 ppm	0.0800 ppm	0.2444 ppm	0.6113 ppm	0.0012 ppm	0.1967 ppm
Concentration per Run	0.0066 ppm	4.0421 ppm	0.0807 ppm	0.2410 ppm	0.6126 ppm	-0.0014 ppm	0.1968 ppm
Concentration RSD	10.2 %	1.1 %	1.5 %	1.0 %	0.2 %	240.2 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6568 ppm	99.0280 %	98.7673 %	94.1294 %	104.9290 %	107.2736 %	104.5538 %
Concentration per Run	1.6493 ppm	99.0505 %	99.1414 %	94.6607 %	104.8084 %	107.8766 %	104.8833 %
Concentration per Run	1.6626 ppm	99.0029 %	93.9248 %	93.9248 %	105.0691 %	107.7949 %	104.2245 %
Concentration per Run	1.6584 ppm	99.0307 %	98.8996 %	93.8026 %	104.9095 %	106.1493 %	104.5534 %
Concentration RSD	0.4 %	0.0 %	0.5 %	0.5 %	0.1 %	0.9 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555946-03d2 WG2112933

Analysis started at: 9/11/2025 10:25:37 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0051 ppm	29.2981 ppm	0.0241 ppm	0.0512 ppm	0.3442 ppm	0.0020 ppm	200.2113 ppm
Concentration per Run	0.0048 ppm	29.2975 ppm	0.0242 ppm	0.0508 ppm	0.3443 ppm	0.0020 ppm	199.9648 ppm
Concentration per Run	0.0052 ppm	29.3574 ppm	0.0237 ppm	0.0516 ppm	0.3439 ppm	0.0020 ppm	200.5170 ppm
Concentration per Run	0.0052 ppm	29.2395 ppm	0.0243 ppm	0.0512 ppm	0.3443 ppm	0.0019 ppm	200.1522 ppm
Concentration RSD	4.5 %	0.2 %	1.3 %	0.8 %	0.1 %	1.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0088 ppm	0.0225 ppm	0.8829 ppm	0.8829 ppm	3.1828 ppm	3.1828 ppm	0.0505 ppm
Concentration per Run	0.0090 ppm	0.0228 ppm	0.8847 ppm	0.8847 ppm	3.1898 ppm	3.1898 ppm	0.0499 ppm
Concentration per Run	0.0087 ppm	0.0228 ppm	0.8844 ppm	0.8844 ppm	3.1701 ppm	3.1701 ppm	0.0496 ppm
Concentration per Run	0.0087 ppm	0.0220 ppm	0.8795 ppm	0.8795 ppm	3.1886 ppm	3.1886 ppm	0.0521 ppm
Concentration RSD	2.2 %	2.1 %	0.3 %	0.3 %	0.7 %	0.3 %	2.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	39.7789 ppm	0.9329 ppm	0.0110 ppm	2.1865 ppm	0.0972 ppm	2.4162 ppm	0.0026 ppm
Concentration per Run	39.8860 ppm	0.9360 ppm	0.0109 ppm	2.2031 ppm	0.0976 ppm	2.4154 ppm	0.0049 ppm
Concentration per Run	39.9144 ppm	0.9286 ppm	0.0111 ppm	2.1762 ppm	0.0964 ppm	2.4162 ppm	-0.0010 ppm
Concentration per Run	39.5362 ppm	0.9341 ppm	0.0110 ppm	2.1803 ppm	0.0976 ppm	2.4169 ppm	0.0038 ppm
Concentration RSD	0.5 %	0.4 %	0.9 %	0.7 %	0.7 %	0.0 %	122.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0102 ppm	6.0211 ppm	0.3030 ppm	1.0116 ppm	0.6340 ppm	0.0002 ppm	0.0810 ppm
Concentration per Run	0.0081 ppm	6.0827 ppm	0.3056 ppm	1.0128 ppm	0.6376 ppm	0.0014 ppm	0.0814 ppm
Concentration per Run	0.0115 ppm	6.0033 ppm	0.2991 ppm	1.0090 ppm	0.6328 ppm	-0.0003 ppm	0.0810 ppm
Concentration per Run	0.0108 ppm	5.9774 ppm	0.3044 ppm	1.0130 ppm	0.6315 ppm	-0.0005 ppm	0.0805 ppm
Concentration RSD	18.0 %	0.9 %	1.1 %	0.2 %	0.5 %	521.7 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.2676 ppm	95.3538 %	96.8024 %	88.5832 %	99.9493 %	105.0016 %	99.6914 %
Concentration per Run	2.2712 ppm	94.8332 %	95.5922 %	88.6813 %	99.7260 %	104.6426 %	99.7154 %
Concentration per Run	2.2753 ppm	97.5993 %	97.2158 %	88.8315 %	99.5050 %	105.1363 %	100.1868 %
Concentration per Run	2.2562 ppm	96.3855 %	97.2158 %	88.2519 %	100.6170 %	105.2260 %	99.1721 %
Concentration RSD	0.4 %	0.9 %	1.1 %	0.3 %	0.6 %	0.3 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-3d2 WG2112933

Analysis started at: 9/11/2025 10:27:42 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 11

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0560 ppm	24.9195 ppm	0.1594 ppm	1.0854 ppm	2.2741 ppm	0.0545 ppm	149.2947 ppm
Concentration per Run	0.0561 ppm	24.8856 ppm	0.1589 ppm	1.0833 ppm	2.2743 ppm	0.0545 ppm	148.9212 ppm
Concentration per Run	0.0552 ppm	24.8651 ppm	0.1584 ppm	1.0853 ppm	2.2703 ppm	0.0544 ppm	149.1175 ppm
Concentration per Run	0.0567 ppm	25.0077 ppm	0.1609 ppm	1.0877 ppm	2.2777 ppm	0.0546 ppm	149.8454 ppm
Concentration RSD	1.3 %	0.3 %	0.8 %	0.2 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0614 ppm	0.5148 ppm	0.4608 ppm	0.8368 ppm	62.3908 ppm	13.1492 ppm	0.0390 ppm
Concentration per Run	0.0614 ppm	0.5132 ppm	0.4597 ppm	0.8326 ppm	62.1732 ppm	13.1492 ppm	0.0390 ppm
Concentration per Run	0.0613 ppm	0.5147 ppm	0.4608 ppm	0.8394 ppm	62.4059 ppm	13.1405 ppm	0.0392 ppm
Concentration per Run	0.0616 ppm	0.5163 ppm	0.4618 ppm	0.8384 ppm	62.5932 ppm	13.1579 ppm	0.0389 ppm
Concentration RSD	0.3 %	0.3 %	0.2 %	0.4 %	0.3 %	0.1 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	38.7310 ppm	1.2397 ppm	1.0401 ppm	13.0299 ppm	0.5790 ppm	2.1690 ppm	0.3600 ppm
Concentration per Run	38.6562 ppm	1.2387 ppm	1.0385 ppm	12.9938 ppm	0.5771 ppm	2.1616 ppm	0.3589 ppm
Concentration per Run	38.4500 ppm	1.2412 ppm	1.0372 ppm	13.0424 ppm	0.5782 ppm	2.1775 ppm	0.3566 ppm
Concentration per Run	39.0868 ppm	1.2393 ppm	1.0447 ppm	13.0536 ppm	0.5818 ppm	2.1680 ppm	0.3644 ppm
Concentration RSD	0.8 %	0.1 %	0.4 %	0.2 %	0.4 %	0.4 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1101 ppm	9.6099 ppm	1.1987 ppm	1.7464 ppm	1.4907 ppm	0.1205 ppm	0.5976 ppm
Concentration per Run	0.1102 ppm	9.7357 ppm	1.1987 ppm	1.7445 ppm	1.4927 ppm	0.1194 ppm	0.5976 ppm
Concentration per Run	0.1118 ppm	9.5126 ppm	1.2020 ppm	1.7445 ppm	1.4812 ppm	0.1203 ppm	0.5957 ppm
Concentration per Run	0.1084 ppm	9.5813 ppm	1.2002 ppm	1.7503 ppm	1.4982 ppm	0.1217 ppm	0.5995 ppm
Concentration RSD	1.6 %	1.2 %	0.1 %	0.2 %	0.6 %	0.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.1489 ppm	95.4383 %	97.2699 %	90.1455 %	98.2845 %	103.5565 %	98.9146 %
Concentration per Run	2.1449 ppm	95.7019 %	96.8151 %	90.5645 %	98.3849 %	103.9378 %	99.2811 %
Concentration per Run	2.1450 ppm	95.5356 %	97.3524 %	89.7004 %	98.5916 %	103.9233 %	98.6678 %
Concentration per Run	2.1568 ppm	95.0774 %	97.6423 %	90.1716 %	97.8771 %	102.8086 %	98.7951 %
Concentration RSD	0.3 %	0.3 %	0.4 %	0.5 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-4d2 WG2112933

Analysis started at: 9/11/2025 10:29:46 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 12

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0579 ppm	34.0114 ppm	0.1347 ppm	1.0847 ppm	2.4067 ppm	0.0553 ppm	196.7762 ppm
Concentration per Run	0.0581 ppm	33.9034 ppm	0.1360 ppm	1.0799 ppm	2.4155 ppm	0.0555 ppm	196.2618 ppm
Concentration per Run	0.0576 ppm	33.9433 ppm	0.1339 ppm	1.0862 ppm	2.4017 ppm	0.0552 ppm	197.1676 ppm
Concentration per Run	0.0579 ppm	34.1874 ppm	0.1341 ppm	1.0881 ppm	2.4027 ppm	0.0552 ppm	196.8991 ppm
Concentration RSD	0.4 %	0.5 %	0.9 %	0.4 %	0.3 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0644 ppm	0.5168 ppm	0.5196 ppm	1.1637 ppm	80.5962 ppm	13.8472 ppm	0.0526 ppm
Concentration per Run	0.0643 ppm	0.5147 ppm	0.5175 ppm	1.1648 ppm	80.8191 ppm	13.8516 ppm	0.0537 ppm
Concentration per Run	0.0642 ppm	0.5179 ppm	0.5214 ppm	1.1658 ppm	80.6295 ppm	13.8063 ppm	0.0557 ppm
Concentration per Run	0.0646 ppm	0.5177 ppm	0.5199 ppm	1.1606 ppm	80.3401 ppm	13.8836 ppm	0.0483 ppm
Concentration RSD	0.3 %	0.4 %	0.4 %	0.2 %	0.3 %	0.3 %	7.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	51.9431 ppm	1.4839 ppm	1.0368 ppm	13.1014 ppm	0.6075 ppm	2.9264 ppm	0.3194 ppm
Concentration per Run	51.7728 ppm	1.4838 ppm	1.0347 ppm	13.0080 ppm	0.6072 ppm	2.9385 ppm	0.3188 ppm
Concentration per Run	52.3364 ppm	1.4781 ppm	1.0361 ppm	13.0740 ppm	0.6096 ppm	2.9245 ppm	0.3193 ppm
Concentration per Run	51.7199 ppm	1.4899 ppm	1.0395 ppm	13.2222 ppm	0.6059 ppm	2.9162 ppm	0.3201 ppm
Concentration RSD	0.7 %	0.4 %	0.2 %	0.8 %	0.3 %	0.4 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1137 ppm	8.8390 ppm	1.2006 [SIC xx]	1.9457 ppm	1.5924 ppm	0.1169 ppm	0.6294 ppm
Concentration per Run	0.1130 ppm	8.8801 ppm	1.2048 ppm	1.9518 ppm	1.5871 ppm	0.1177 ppm	0.6274 ppm
Concentration per Run	0.1156 ppm	8.8694 ppm	1.1979 ppm	1.9416 ppm	1.5996 ppm	0.1160 ppm	0.6313 ppm
Concentration per Run	0.1126 ppm	8.7675 ppm	1.1993 ppm	1.9437 ppm	1.5905 ppm	0.1169 ppm	0.6296 ppm
Concentration RSD	1.4 %	0.7 %	0.3 %	0.3 %	0.4 %	0.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.6322 ppm	94.8395 %	97.1738 %	88.6384 %	100.3124 %	107.0152 %	100.4986 %
Concentration per Run	2.6373 ppm	95.4115 %	97.7288 %	88.5910 %	100.8029 %	107.6514 %	100.8602 %
Concentration per Run	2.6309 ppm	94.4181 %	97.2651 %	88.8089 %	100.1834 %	105.9668 %	100.7686 %
Concentration per Run	2.6285 ppm	94.6889 %	96.5277 %	88.5154 %	99.9510 %	107.4275 %	99.8670 %
Concentration RSD	0.2 %	0.5 %	0.6 %	0.2 %	0.4 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-5d2 WG2112933

Analysis started at: 9/11/2025 10:31:51 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 13

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0537 ppm	30.4139 ppm	0.1323 ppm	1.0285 ppm	2.2303 ppm	0.0514 ppm	202.7420 ppm
Concentration per Run	0.0537 ppm	30.2655 ppm	0.1323 ppm	1.0268 ppm	2.2317 ppm	0.0515 ppm	202.7128 ppm
Concentration per Run	0.0534 ppm	30.6001 ppm	0.1331 ppm	1.0243 ppm	2.2250 ppm	0.0513 ppm	202.6523 ppm
Concentration per Run	0.0540 ppm	30.3761 ppm	0.1314 ppm	1.0344 ppm	2.2344 ppm	0.0512 ppm	202.8611 ppm
Concentration RSD	0.5 %	0.6 %	0.7 %	0.5 %	0.2 %	0.3 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0589 ppm	0.4830 ppm	0.4732 ppm	1.0947 ppm	81.5115 ppm	13.2432 ppm	0.0474 ppm
Concentration per Run	0.0589 ppm	0.4824 ppm	0.4720 ppm	1.0939 ppm	81.3200 ppm	13.1910 ppm	0.0509 ppm
Concentration per Run	0.0590 ppm	0.4824 ppm	0.4721 ppm	1.0899 ppm	81.6178 ppm	13.2909 ppm	0.0474 ppm
Concentration per Run	0.0588 ppm	0.4844 ppm	0.4754 ppm	1.1002 ppm	81.5966 ppm	13.2476 ppm	0.0439 ppm
Concentration RSD	0.2 %	0.2 %	0.4 %	0.5 %	0.2 %	0.4 %	7.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	48.1194 ppm	1.3724 ppm	0.9726 ppm	12.1751 ppm	0.5657 ppm	2.8305 ppm	0.5097 ppm
Concentration per Run	48.1507 ppm	1.3654 ppm	0.9714 ppm	12.1080 ppm	0.5651 ppm	2.8326 ppm	0.5075 ppm
Concentration per Run	48.0039 ppm	1.3786 ppm	0.9727 ppm	12.3326 ppm	0.5647 ppm	2.8339 ppm	0.5113 ppm
Concentration per Run	48.2034 ppm	1.3734 ppm	0.9736 ppm	12.0847 ppm	0.5674 ppm	2.8250 ppm	0.5104 ppm
Concentration RSD	0.2 %	0.5 %	0.1 %	1.1 %	0.3 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1251 ppm	7.1482 ppm	1.2354 [SIC xx]	1.9368 ppm	1.6158 ppm	0.1147 ppm	0.5851 ppm
Concentration per Run	0.1250 ppm	7.2135 ppm	1.2329 ppm	1.9376 ppm	1.6177 ppm	0.1146 ppm	0.5839 ppm
Concentration per Run	0.1225 ppm	7.0992 ppm	1.2367 ppm	1.9353 ppm	1.6132 ppm	0.1147 ppm	0.5850 ppm
Concentration per Run	0.1279 ppm	7.1318 ppm	1.2366 ppm	1.9374 ppm	1.6164 ppm	0.1148 ppm	0.5864 ppm
Concentration RSD	2.1 %	0.8 %	0.2 %	0.1 %	0.1 %	0.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.6434 ppm	94.8158 %	97.0201 %	88.7117 %	99.4452 %	104.6133 %	99.3079 %
Concentration per Run	2.6510 ppm	94.8367 %	97.3648 %	88.2487 %	99.3862 %	104.8015 %	98.6343 %
Concentration per Run	2.6287 ppm	95.3879 %	96.4463 %	88.8967 %	99.8139 %	105.6868 %	99.6129 %
Concentration per Run	2.6506 ppm	94.2229 %	97.2492 %	88.9896 %	99.1354 %	103.3515 %	99.6766 %
Concentration RSD	0.5 %	0.6 %	0.5 %	0.5 %	0.3 %	1.1 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-6d10.WG2112933

Analysis started at: 9/11/2025 10:33:56 AM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 14

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0007 ppm	6.1380 ppm	0.0068 ppm	0.0124 ppm	0.0714 ppm	0.0004 ppm	41.5800 ppm
Concentration per Run	0.0007 ppm	6.1354 ppm	0.0097 ppm	0.0128 ppm	0.0712 ppm	0.0004 ppm	41.6432 ppm
Concentration per Run	0.0008 ppm	6.1579 ppm	0.0052 ppm	0.0109 ppm	0.0719 ppm	0.0004 ppm	41.4653 ppm
Concentration per Run	0.0007 ppm	6.1206 ppm	0.0056 ppm	0.0135 ppm	0.0711 ppm	0.0004 ppm	41.6315 ppm
Concentration RSD	7.9 %	0.3 %	36.1 %	11.0 %	0.6 %	7.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0019 ppm	0.0052 ppm	0.0604 ppm	0.1793 ppm	17.6925 ppm	0.6793 ppm	0.0108 ppm
Concentration per Run	0.0020 ppm	0.0020 ppm	0.0605 ppm	0.1780 ppm	17.7997 ppm	0.7161 ppm	0.0125 ppm
Concentration per Run	0.0020 ppm	0.0048 ppm	0.0609 ppm	0.1799 ppm	17.5708 ppm	0.6739 ppm	0.0093 ppm
Concentration per Run	0.0017 ppm	0.0054 ppm	0.0597 ppm	0.1800 ppm	17.7069 ppm	0.6480 ppm	0.0107 ppm
Concentration RSD	7.3 %	6.6 %	1.0 %	0.6 %	0.7 %	5.1 %	14.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	8.4557 ppm	0.1926 ppm	0.0023 ppm	0.4500 ppm	0.0205 ppm	0.4886 ppm	0.0005 ppm
Concentration per Run	8.4031 ppm	0.1935 ppm	0.0024 ppm	0.4477 ppm	0.0211 ppm	0.4875 ppm	-0.0023 ppm
Concentration per Run	8.4840 ppm	0.1924 ppm	0.0023 ppm	0.4519 ppm	0.0202 ppm	0.4894 ppm	0.0023 ppm
Concentration per Run	8.4801 ppm	0.1920 ppm	0.0021 ppm	0.4505 ppm	0.0202 ppm	0.4887 ppm	0.0022 ppm
Concentration RSD	0.5 %	0.4 %	8.2 %	0.5 %	2.5 %	0.2 %	544.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	1.7292 ppm	0.0651 ppm	0.2086 ppm	0.1362 ppm	0.0006 ppm	0.0165 ppm
Concentration per Run	0.0015 ppm	1.7192 ppm	0.0648 ppm	0.2083 ppm	0.1370 ppm	0.0008 ppm	0.0166 ppm
Concentration per Run	-0.0015 ppm	1.7104 ppm	0.0662 ppm	0.2094 ppm	0.1348 ppm	0.0016 ppm	0.0166 ppm
Concentration per Run	0.0039 ppm	1.7580 ppm	0.0641 ppm	0.2080 ppm	0.1367 ppm	-0.0006 ppm	0.0165 ppm
Concentration RSD	213.0 %	1.5 %	1.7 %	0.4 %	0.9 %	191.6 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4753 ppm	97.5077 %	97.0394 %	95.0931 %	97.6320 %	99.6555 %	97.1879 %
Concentration per Run	0.4716 ppm	98.3661 %	97.1680 %	95.5959 %	98.4101 %	100.1342 %	97.7610 %
Concentration per Run	0.4775 ppm	97.5553 %	97.0562 %	94.8686 %	97.2464 %	99.6033 %	97.0097 %
Concentration per Run	0.4767 ppm	96.6018 %	96.8939 %	94.8149 %	97.2394 %	99.2289 %	96.7931 %
Concentration RSD	0.7 %	0.9 %	0.1 %	0.5 %	0.7 %	0.5 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample:

Analysis started at: 9/11/2025 10:36:01 AM

Comment

Rack Number

0

Vial Numbers

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5150 ppm	0.4806 ppm	0.4922 ppm	0.5032 ppm	0.4936 ppm	0.5100 ppm	0.4991 ppm
Concentration per Run	0.5133 ppm	0.4905 ppm	0.4942 ppm	0.4997 ppm	0.5104 ppm	0.4923 ppm	0.4969 ppm
Concentration per Run	0.5158 ppm	0.4737 ppm	0.4904 ppm	0.5040 ppm	0.4958 ppm	0.5108 ppm	0.5033 ppm
Concentration per Run	0.5161 ppm	0.4777 ppm	0.4920 ppm	0.5057 ppm	0.4927 ppm	0.5087 ppm	0.4971 ppm
Recovery Percentage	103.007 %	96.130 %	98.436 %	100.632 %	98.724 %	101.995 %	99.818 %
Concentration RSD	0.3 %	1.8 %	0.4 %	0.6 %	0.4 %	0.2 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5283 ppm	0.5150 ppm	0.5179 ppm	0.5287 ppm	0.5060 ppm	5.1250 ppm	0.5117 ppm
Concentration per Run	0.5266 ppm	0.5160 ppm	0.5158 ppm	0.5288 ppm	0.5073 ppm	5.1345 ppm	0.5079 ppm
Concentration per Run	0.5276 ppm	0.5144 ppm	0.5186 ppm	0.5281 ppm	0.5053 ppm	5.1245 ppm	0.5108 ppm
Concentration per Run	0.5306 ppm	0.5146 ppm	0.5193 ppm	0.5293 ppm	0.5054 ppm	5.1160 ppm	0.5165 ppm
Recovery Percentage	105.652 %	103.000 %	103.578 %	105.749 %	101.200 %	102.500 %	102.349 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.1 %	0.2 %	0.2 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5351 ppm	0.5114 ppm	0.4981 ppm	10.3302 ppm	0.5244 ppm	0.5118 ppm	0.5269 ppm
Concentration per Run	0.5349 ppm	0.5126 ppm	0.4980 ppm	10.2657 ppm	0.5252 ppm	0.5095 ppm	0.5277 ppm
Concentration per Run	0.5344 ppm	0.5110 ppm	0.4991 ppm	10.4127 ppm	0.5225 ppm	0.5138 ppm	0.5290 ppm
Concentration per Run	0.5360 ppm	0.5106 ppm	0.4970 ppm	10.3120 ppm	0.5255 ppm	0.5122 ppm	0.5241 ppm
Recovery Percentage	107.020 %	102.273 %	99.614 %	103.302 %	104.883 %	102.365 %	105.386 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.7 %	0.3 %	0.4 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4925 ppm	5.5120 ppm	0.5094 ppm	0.5052 ppm	0.5248 ppm	0.5132 ppm	0.5214 ppm
Concentration per Run	0.4916 ppm	5.5130 ppm	0.5062 ppm	0.5034 ppm	0.5247 ppm	0.5118 ppm	0.5212 ppm
Concentration per Run	0.4938 ppm	5.5073 ppm	0.5093 ppm	0.5079 ppm	0.5261 ppm	0.5127 ppm	0.5211 ppm
Concentration per Run	0.4919 ppm	5.5158 ppm	0.5128 ppm	0.5043 ppm	0.5237 ppm	0.5151 ppm	0.5219 ppm
Recovery Percentage	98.491 %	104.991 %	101.881 %	101.045 %	104.965 %	102.644 %	104.280 %
Concentration RSD	0.2 %	0.1 %	0.6 %	0.5 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5160 ppm	98.0360 %	96.6404 %	97.4000 %	96.2716 %	97.5006 %	96.0160 %
Concentration per Run	0.5144 ppm	98.4143 %	95.9849 %	96.9476 %	96.9861 %	97.0035 %	95.4988 %
Concentration per Run	0.5160 ppm	98.4431 %	96.4587 %	98.0754 %	96.7903 %	97.4585 %	96.8444 %
Concentration per Run	0.5175 ppm	97.2507 %	97.4776 %	97.1769 %	95.0384 %	98.0397 %	95.7048 %
Recovery Percentage	103.193 %						
Concentration RSD	0.3 %	0.7 %	0.8 %	0.6 %	1.1 %	0.5 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 10:38:05 AM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0074 ppm	0.0019 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run	0.0000 ppm	-0.0097 ppm	0.0041 ppm	0.0010 ppm	-0.0002 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run	-0.0005 ppm	-0.0030 ppm	0.0007 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	-0.0038 ppm
Concentration per Run	-0.0002 ppm	-0.0093 ppm	0.0010 ppm	0.0019 ppm	0.0001 ppm	0.0000 ppm	-0.0036 ppm
Recovery Percentage	-2.753 %	-7.354 %	38.604 %	4.432 %	-0.021 %	0.801 %	-2.291 %
Concentration RSD	126.4 %	51.3 %	97.0 %	36.0 %	7.394.2 %	89.7 %	107.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0011 ppm	-0.0544 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	-0.0004 ppm	0.0002 ppm	0.0005 ppm	-0.0473 ppm	0.0035 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0015 ppm	-0.0804 ppm	-0.0009 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0012 ppm	-0.0356 ppm	-0.0005 ppm
Recovery Percentage	0.847 %	1.383 %	0.947 %	0.180 %	2.126 %	-2.178 %	13.990 %
Concentration RSD	129.2 %	148.2 %	450.3 %	875.8 %	50.6 %	42.7 %	351.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0026 ppm	0.0001 ppm	0.0000 ppm	-0.0054 ppm	0.0000 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run	-0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0034 ppm	-0.0005 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run	-0.0015 ppm	0.0002 ppm	-0.0002 ppm	-0.0095 ppm	0.0007 ppm	0.0005 ppm	0.0006 ppm
Concentration per Run	-0.0046 ppm	0.0000 ppm	0.0002 ppm	-0.0101 ppm	-0.0003 ppm	-0.0002 ppm	0.0001 ppm
Recovery Percentage	-2.554 %	0.548 %	-0.087 %	-0.270 %	-0.113 %	1.433 %	1.842 %
Concentration RSD	69.2 %	161.9 %	447.8 %	141.1 %	2.278.4 %	231.1 %	106.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0046 ppm	0.0041 ppm	0.0003 ppm	0.0000 ppm	-0.0010 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0041 ppm	0.0045 ppm	0.0008 ppm	-0.0001 ppm	-0.0011 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run	0.0046 ppm	0.0030 ppm	-0.0003 ppm	0.0000 ppm	-0.0010 ppm	0.0008 ppm	-0.0008 ppm
Concentration per Run	0.0051 ppm	0.0050 ppm	0.0005 ppm	0.0000 ppm	-0.0008 ppm	0.0025 ppm	-0.0001 ppm
Recovery Percentage	45.874 %	0.830 %	0.660 %	-0.358 %	-9.691 %	4.907 %	-2.366 %
Concentration RSD	11.6 %	24.9 %	174.5 %	104.9 %	14.2 %	148.2 %	206.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	96.1650 %	94.3451 %	95.0952 %	96.4198 %	96.5324 %	95.4151 %
Concentration per Run	0.0005 ppm	96.8359 %	94.7827 %	95.8240 %	97.1143 %	97.1460 %	96.2812 %
Concentration per Run	0.0000 ppm	93.9163 %	95.9911 %	94.4159 %	95.7212 %	96.5144 %	94.6022 %
Concentration per Run	0.0005 ppm	95.6681 %	94.3363 %	95.0455 %	96.4240 %	95.9370 %	95.3619 %
Recovery Percentage	6.768 %						
Concentration RSD	77.3 %	0.6 %	0.5 %	0.7 %	0.7 %	0.6 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-1 WG2113296

Analysis started at: 9/11/2025 10:49:34 AM

Comment <Comment>

Rack Number 1

Vial Numbers 20

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0024 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0151 ppm
Concentration per Run	-0.0006 ppm	0.0058 ppm	0.0009 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0144 ppm
Concentration per Run	-0.0002 ppm	-0.0044 ppm	0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0139 ppm
Concentration per Run	-0.0002 ppm	0.0058 ppm	0.0007 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0171 ppm
Recovery Percentage	-4.676 %	2.401 %	15.018 %	0.375 %	0.125 %	0.998 %	15.128 %
Concentration RSD	72.9 %	243.5 %	14.2 %	528.1 %	463.5 %	14.3 %	11.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0540 ppm	-0.0432 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0003 ppm	-0.0002 ppm	0.0548 ppm	-0.0745 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0530 ppm	-0.0280 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0541 ppm	-0.0272 ppm	0.0009 ppm
Recovery Percentage	0.441 %	1.341 %	0.802 %	-0.642 %	107.970 %	-1.729 %	19.706 %
Concentration RSD	47.0 %	162.6 %	359.4 %	256.8 %	1.6 %	62.7 %	16.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0025 ppm	0.0005 ppm	0.0002 ppm	-0.0058 ppm	-0.0005 ppm	0.0005 ppm	0.0032 ppm
Concentration per Run	0.0022 ppm	0.0006 ppm	0.0002 ppm	-0.0074 ppm	-0.0014 ppm	0.0016 ppm	0.0038 ppm
Concentration per Run	0.0027 ppm	0.0004 ppm	0.0003 ppm	-0.0093 ppm	0.0000 ppm	0.0001 ppm	0.0030 ppm
Concentration per Run	0.0025 ppm	0.0005 ppm	0.0001 ppm	-0.0008 ppm	-0.0002 ppm	-0.0002 ppm	0.0029 ppm
Recovery Percentage	2.468 %	4.856 %	0.370 %	-0.291 %	-2.062 %	4.966 %	6.400 %
Concentration RSD	12.2 %	24.1 %	45.9 %	76.3 %	142.6 %	198.5 %	15.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	0.0126 ppm	0.0096 ppm	0.0000 ppm	-0.0010 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run	0.0040 ppm	0.0137 ppm	0.0100 ppm	0.0000 ppm	-0.0010 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run	0.0019 ppm	0.0125 ppm	0.0093 ppm	0.0001 ppm	-0.0013 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0003 ppm	0.0116 ppm	0.0094 ppm	0.0000 ppm	-0.0006 ppm	-0.0003 ppm	-0.0002 ppm
Recovery Percentage	20.478 %	2.520 %	19.146 %	0.233 %	-9.671 %	-2.406 %	-2.122 %
Concentration RSD	91.3 %	8.2 %	3.7 %	294.6 %	36.3 %	117.2 %	31.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0017 ppm	98.5744 %	98.1058 %	96.7220 %	98.0572 %	99.2067 %	97.1586 %
Concentration per Run	0.0018 ppm	97.7195 %	97.9977 %	96.6783 %	97.1859 %	99.4161 %	97.1879 %
Concentration per Run	0.0016 ppm	98.8485 %	97.5916 %	96.8841 %	97.8840 %	99.6509 %	97.1396 %
Concentration per Run	0.0016 ppm	99.1553 %	98.7281 %	96.6036 %	99.1016 %	98.5533 %	97.1484 %
Recovery Percentage	33.125 %						
Concentration RSD	7.2 %	0.8 %	0.6 %	0.2 %	1.0 %	0.6 %	0.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-2d2 WG2113296

Analysis started at: 9/11/2025 10:51:50 AM

Comment <Comment>

Rack Number 1

Vial Numbers 21

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0503 ppm	2.0245 ppm	0.1230 ppm	1.0287 ppm	1.9566 ppm	0.0507 ppm	10.4090 ppm
Concentration per Run	0.0503 ppm	2.0426 ppm	0.1245 ppm	1.0261 ppm	1.9604 ppm	0.0509 ppm	10.4494 ppm
Concentration per Run	0.0498 ppm	2.0248 ppm	0.1200 ppm	1.0306 ppm	1.9622 ppm	0.0508 ppm	10.4094 ppm
Concentration per Run	0.0508 ppm	2.0062 ppm	0.1246 ppm	1.0294 ppm	1.9472 ppm	0.0504 ppm	10.3681 ppm
Concentration RSD	1.0 %	0.9 %	2.1 %	0.2 %	0.4 %	0.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0538 ppm	0.4907 ppm	0.2008 ppm	0.2554 ppm	1.0363 ppm	10.5537 ppm	-0.0003 ppm
Concentration per Run	0.0537 ppm	0.4907 ppm	0.2005 ppm	0.2550 ppm	1.0404 ppm	10.5650 ppm	-0.0020 ppm
Concentration per Run	0.0537 ppm	0.4918 ppm	0.2014 ppm	0.2549 ppm	1.0376 ppm	10.5957 ppm	0.0007 ppm
Concentration per Run	0.0539 ppm	0.4897 ppm	0.2004 ppm	0.2562 ppm	1.0309 ppm	10.5003 ppm	0.0004 ppm
Concentration RSD	0.2 %	0.2 %	0.3 %	0.3 %	0.5 %	0.5 %	531.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.7343 ppm	0.4986 ppm	1.0218 ppm	10.7563 ppm	0.5024 ppm	0.5369 ppm	0.5177 ppm
Concentration per Run	10.8152 ppm	0.5008 ppm	1.0184 ppm	10.7610 ppm	0.5020 ppm	0.5368 ppm	0.5179 ppm
Concentration per Run	10.6978 ppm	0.4991 ppm	1.0246 ppm	10.8002 ppm	0.5031 ppm	0.5356 ppm	0.5177 ppm
Concentration per Run	10.6901 ppm	0.4960 ppm	1.0225 ppm	10.7077 ppm	0.5022 ppm	0.5383 ppm	0.5174 ppm
Concentration RSD	0.7 %	0.5 %	0.3 %	0.4 %	0.1 %	0.2 %	0.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1176 ppm	1.1436 ppm	1.0272 [SiC xx]	1.0185 ppm	1.0618 ppm	0.1216 ppm	0.5184 ppm
Concentration per Run	0.1171 ppm	1.1405 ppm	1.0241 ppm	1.0204 ppm	1.0660 ppm	0.1217 ppm	0.5184 ppm
Concentration per Run	0.1181 ppm	1.1414 ppm	1.0278 ppm	1.0201 ppm	1.0607 ppm	0.1218 ppm	0.5192 ppm
Concentration per Run	0.1176 ppm	1.1488 ppm	1.0296 ppm	1.0151 ppm	1.0586 ppm	0.1213 ppm	0.5175 ppm
Concentration RSD	0.5 %	0.4 %	0.3 %	0.3 %	0.4 %	0.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4974 ppm	98.4785 %	98.3083 %	95.3694 %	96.6575 %	99.1732 %	95.1048 %
Concentration per Run	0.4975 ppm	97.7417 %	98.0807 %	94.8787 %	95.7678 %	98.8895 %	94.6132 %
Concentration per Run	0.4975 ppm	98.4866 %	95.3365 %	95.5856 %	96.7907 %	99.4847 %	95.3348 %
Concentration per Run	0.4973 ppm	99.2071 %	98.5078 %	95.6441 %	97.4140 %	99.1454 %	95.3665 %
Concentration RSD	0.0 %	0.7 %	0.2 %	0.4 %	0.9 %	0.3 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-07d2 WG2113296

Analysis started at: 9/11/2025 10:53:55 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 27

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0052 ppm	39.3727 ppm	0.1123 ppm	0.0346 ppm	1.4264 ppm	0.0038 ppm	59.4615 ppm
Concentration per Run	0.0053 ppm	39.5410 ppm	0.1114 ppm	0.0350 ppm	1.4233 ppm	0.0038 ppm	59.7507 ppm
Concentration per Run	0.0051 ppm	39.3693 ppm	0.1125 ppm	0.0331 ppm	1.4321 ppm	0.0039 ppm	59.4422 ppm
Concentration per Run	0.0053 ppm	39.2076 ppm	0.1131 ppm	0.0357 ppm	1.4237 ppm	0.0038 ppm	59.1917 ppm
Concentration RSD	2.4 %	0.4 %	0.8 %	4.0 %	0.3 %	1.0 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0083 ppm	0.0789 ppm	0.1304 ppm	2.2807 ppm	115.8127 ppm	6.7914 ppm	0.0582 ppm
Concentration per Run	0.0082 ppm	0.0787 ppm	0.1278 ppm	2.2723 ppm	115.5008 ppm	6.7922 ppm	0.0580 ppm
Concentration per Run	0.0082 ppm	0.0785 ppm	0.1298 ppm	2.2830 ppm	116.4437 ppm	6.7985 ppm	0.0588 ppm
Concentration per Run	0.0085 ppm	0.0794 ppm	0.1335 ppm	2.2867 ppm	115.4935 ppm	6.7836 ppm	0.0578 ppm
Concentration RSD	2.2 %	0.5 %	2.2 %	0.3 %	0.5 %	0.1 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	16.9994 ppm	5.1344 ppm	0.0197 ppm	4.8968 ppm	0.1532 ppm	11.6673 ppm	0.0180 ppm
Concentration per Run	16.8547 ppm	5.1432 ppm	0.0197 ppm	4.8890 ppm	0.1522 ppm	11.6108 ppm	0.0181 ppm
Concentration per Run	16.9663 ppm	5.1428 ppm	0.0195 ppm	4.8958 ppm	0.1524 ppm	11.6883 ppm	0.0158 ppm
Concentration per Run	17.1773 ppm	5.1173 ppm	0.0201 ppm	4.9056 ppm	0.1550 ppm	11.7029 ppm	0.0203 ppm
Concentration RSD	1.0 %	0.3 %	1.6 %	0.2 %	1.0 %	0.4 %	12.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0210 ppm	8.1269 ppm	0.9074 ppm	0.3456 ppm	1.8889 ppm	0.0007 ppm	0.1954 ppm
Concentration per Run	0.0211 ppm	8.1224 ppm	0.9026 ppm	0.3460 ppm	1.8690 ppm	0.0002 ppm	0.1939 ppm
Concentration per Run	0.0223 ppm	8.2112 ppm	0.9093 ppm	0.3490 ppm	1.9122 ppm	0.0008 ppm	0.1957 ppm
Concentration per Run	0.0197 ppm	8.0470 ppm	0.9104 ppm	0.3416 ppm	1.8856 ppm	0.0010 ppm	0.1964 ppm
Concentration RSD	6.2 %	1.0 %	0.5 %	1.1 %	1.2 %	63.1 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	3.2723 ppm	101.0503 %	101.2996 %	96.0789 %	109.0164 %	112.6848 %	108.8257 %
Concentration per Run	3.2666 ppm	101.3878 %	101.1568 %	95.4681 %	109.0745 %	112.3816 %	108.1915 %
Concentration per Run	3.2760 ppm	100.7319 %	101.3341 %	96.1636 %	108.5928 %	112.5091 %	108.6430 %
Concentration per Run	3.2742 ppm	101.0311 %	101.4080 %	96.6050 %	109.3818 %	113.1638 %	109.6426 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.6 %	0.4 %	0.4 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR Ba 20
Analysis started at: 9/11/2025 10:55:59 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 19

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0045 ppm	0.0010 ppm	0.0007 ppm	19.4872 ppm	0.0001 ppm	-0.0023 ppm
Concentration per Run	0.0000 ppm	-0.0034 ppm	-0.0001 ppm	0.0024 ppm	19.5290 ppm	0.0000 ppm	-0.0017 ppm
Concentration per Run	-0.0004 ppm	-0.0051 ppm	0.0026 ppm	0.0003 ppm	19.4508 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run	-0.0006 ppm	-0.0051 ppm	0.0006 ppm	-0.0005 ppm	19.4819 ppm	0.0001 ppm	-0.0023 ppm
Concentration RSD	84.7 %	21.9 %	135.3 %	200.1 %	0.2 %	49.7 %	26.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0028 ppm	-0.0303 ppm	0.0006 ppm
Concentration per Run	0.0002 ppm	-0.0061 ppm	0.0001 ppm	0.0004 ppm	0.0034 ppm	-0.0131 ppm	0.0014 ppm
Concentration per Run	0.0001 ppm	-0.0060 ppm	0.0005 ppm	0.0009 ppm	0.0039 ppm	-0.0355 ppm	-0.0009 ppm
Concentration per Run	0.0001 ppm	-0.0061 ppm	-0.0002 ppm	-0.0001 ppm	0.0012 ppm	-0.0425 ppm	0.0014 ppm
Concentration RSD	55.5 %	1.3 %	241.0 %	133.4 %	49.6 %	50.5 %	212.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0012 ppm	0.0001 ppm	-0.0001 ppm	-0.0010 ppm	-0.0008 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run	0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0047 ppm	-0.0009 ppm	0.0004 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	-0.0001 ppm	-0.0034 ppm	-0.0011 ppm	0.0001 ppm	0.0025 ppm
Concentration per Run	0.0019 ppm	0.0002 ppm	-0.0001 ppm	0.0050 ppm	-0.0005 ppm	-0.0006 ppm	0.0013 ppm
Concentration RSD	70.4 %	125.4 %	81.2 %	504.2 %	39.0 %	1,901.0 %	122.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	0.0088 ppm	0.0010 ppm	0.0004 ppm	-0.0008 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run	0.0011 ppm	0.0127 ppm	0.0013 ppm	0.0005 ppm	-0.0007 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0032 ppm	0.0068 ppm	0.0010 ppm	0.0005 ppm	-0.0006 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0005 ppm	0.0068 ppm	0.0006 ppm	0.0004 ppm	-0.0011 ppm	-0.0002 ppm	-0.0002 ppm
Concentration RSD	85.5 %	38.9 %	33.4 %	16.3 %	35.2 %	175.3 %	31.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0019 ppm	98.5648 %	96.7883 %	97.3038 %	98.8125 %	98.9284 %	97.3280 %
Concentration per Run	-0.0018 ppm	98.5230 %	97.0989 %	97.6348 %	99.1733 %	98.9866 %	97.7960 %
Concentration per Run	-0.0020 ppm	98.5997 %	96.7622 %	96.6165 %	98.7638 %	98.9031 %	96.7190 %
Concentration per Run	-0.0018 ppm	98.5717 %	96.5037 %	97.6602 %	98.5005 %	98.8954 %	97.4690 %
Concentration RSD	6.8 %	0.0 %	0.3 %	0.6 %	0.3 %	0.1 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556592-03d2 WG2112933

Analysis started at: 9/11/2025 10:58:04 AM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 18

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	34.6594 ppm	0.1169 ppm	0.0053 ppm	1.2614 ppm	0.0031 ppm	4.2446 ppm
Concentration per Run	0.0003 ppm	34.6625 ppm	0.1153 ppm	0.0042 ppm	1.2612 ppm	0.0031 ppm	4.2459 ppm
Concentration per Run	0.0002 ppm	34.6954 ppm	0.1179 ppm	0.0060 ppm	1.2616 ppm	0.0030 ppm	4.2511 ppm
Concentration per Run	0.0008 ppm	34.6203 ppm	0.1175 ppm	0.0056 ppm	1.2614 ppm	0.0031 ppm	4.2369 ppm
Concentration RSD	81.7 %	0.1 %	1.2 %	17.9 %	0.0 %	1.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0224 ppm	0.1870 ppm	1.2810 ppm	98.6658 ppm	2.0452 ppm	0.0462 ppm
Concentration per Run	0.0007 ppm	0.0223 ppm	0.1862 ppm	1.2791 ppm	98.3886 ppm	2.0485 ppm	0.0451 ppm
Concentration per Run	0.0007 ppm	0.0225 ppm	0.1867 ppm	1.2742 ppm	98.7660 ppm	2.0447 ppm	0.0458 ppm
Concentration per Run	0.0004 ppm	0.0224 ppm	0.1881 ppm	1.2895 ppm	98.8427 ppm	2.0425 ppm	0.0475 ppm
Concentration RSD	31.3 %	0.5 %	0.5 %	0.6 %	0.2 %	0.1 %	2.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	8.3871 ppm	1.1960 ppm	0.0053 ppm	2.0083 ppm	0.0481 ppm	1.2872 ppm	0.0060 ppm
Concentration per Run	8.3316 ppm	1.1981 ppm	0.0052 ppm	2.0097 ppm	0.0487 ppm	1.2862 ppm	0.0038 ppm
Concentration per Run	8.4185 ppm	1.1955 ppm	0.0055 ppm	1.9951 ppm	0.0481 ppm	1.2906 ppm	0.0082 ppm
Concentration per Run	8.4112 ppm	1.1943 ppm	0.0052 ppm	2.0201 ppm	0.0474 ppm	1.2847 ppm	0.0059 ppm
Concentration RSD	0.6 %	0.2 %	3.2 %	0.6 %	1.4 %	0.2 %	37.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	3.4867 ppm	0.0242 ppm	0.0435 ppm	0.4822 ppm	0.0010 ppm	0.1034 ppm
Concentration per Run	0.0056 ppm	3.4654 ppm	0.0242 ppm	0.0434 ppm	0.4786 ppm	0.0027 ppm	0.1029 ppm
Concentration per Run	0.0035 ppm	3.5037 ppm	0.0235 ppm	0.0437 ppm	0.4825 ppm	0.0011 ppm	0.1037 ppm
Concentration per Run	0.0040 ppm	3.4910 ppm	0.0248 ppm	0.0433 ppm	0.4856 ppm	-0.0007 ppm	0.1037 ppm
Concentration RSD	25.3 %	0.6 %	2.8 %	0.5 %	0.7 %	167.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2891 ppm	100.2102 %	99.5646 %	95.7519 %	106.8181 %	109.6894 %	106.1643 %
Concentration per Run	0.2888 ppm	100.2021 %	99.4725 %	95.5754 %	106.6996 %	110.7893 %	105.7392 %
Concentration per Run	0.2886 ppm	100.1559 %	99.1656 %	95.6944 %	106.8192 %	108.0709 %	106.2958 %
Concentration per Run	0.2898 ppm	100.2726 %	100.0558 %	95.9860 %	106.9654 %	110.2080 %	106.4580 %
Concentration RSD	0.2 %	0.1 %	0.5 %	0.2 %	0.1 %	1.3 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-22d2 WG2113296

Analysis started at: 9/11/2025 11:00:09 AM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 22

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	148.2126 ppm	0.0181 ppm	0.0185 ppm	1.7636 ppm	0.0039 ppm	21.2789 ppm
Concentration per Run	-0.0011 ppm	148.1829 ppm	0.0166 ppm	0.0192 ppm	1.7634 ppm	0.0038 ppm	21.3444 ppm
Concentration per Run	-0.0013 ppm	148.4078 ppm	0.0196 ppm	0.0193 ppm	1.7690 ppm	0.0039 ppm	21.3491 ppm
Concentration per Run	-0.0019 ppm	148.0470 ppm	0.0180 ppm	0.0170 ppm	1.7583 ppm	0.0039 ppm	21.1430 ppm
Concentration RSD	28.4 %	0.1 %	8.1 %	6.9 %	0.3 %	0.7 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0923 ppm	0.6840 ppm	0.1268 ppm	245.1714 ppm	87.6405 ppm	0.1846 ppm
Concentration per Run	0.0007 ppm	0.0920 ppm	0.6802 ppm	0.1269 ppm	244.4295 ppm	87.3618 ppm	0.1849 ppm
Concentration per Run	0.0008 ppm	0.0925 ppm	0.6835 ppm	0.1267 ppm	245.2145 ppm	87.9056 ppm	0.1851 ppm
Concentration per Run	0.0006 ppm	0.0924 ppm	0.6884 ppm	0.1267 ppm	245.8703 ppm	87.6540 ppm	0.1839 ppm
Concentration RSD	15.9 %	0.3 %	0.6 %	0.1 %	0.3 %	0.3 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	103.7898 ppm	3.1886 ppm	0.0005 ppm	16.2341 ppm	0.3147 ppm	0.3023 ppm	-0.0027 ppm
Concentration per Run	102.7325 ppm	3.1878 ppm	0.0005 ppm	16.2647 ppm	0.3113 ppm	0.3012 ppm	-0.0004 ppm
Concentration per Run	103.5359 ppm	3.1929 ppm	0.0001 ppm	16.2259 ppm	0.3163 ppm	0.3046 ppm	-0.0055 ppm
Concentration per Run	105.1008 ppm	3.1851 ppm	0.0009 ppm	16.2116 ppm	0.3166 ppm	0.3010 ppm	-0.0023 ppm
Concentration RSD	1.2 %	0.1 %	75.2 %	0.2 %	1.0 %	0.7 %	94.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0029 ppm	9.4726 ppm	0.0176 ppm	0.1291 ppm	14.5321 ppm	0.0042 ppm	0.5255 ppm
Concentration per Run	0.0026 ppm	9.4776 ppm	0.0175 ppm	0.1290 ppm	14.3778 ppm	0.0043 ppm	0.5214 ppm
Concentration per Run	0.0021 ppm	9.5439 ppm	0.0161 ppm	0.1293 ppm	14.5058 ppm	0.0025 ppm	0.5259 ppm
Concentration per Run	0.0040 ppm	9.3962 ppm	0.0193 ppm	0.1290 ppm	14.7128 ppm	0.0056 ppm	0.5290 ppm
Concentration RSD	33.6 %	0.8 %	9.1 %	0.1 %	1.2 %	37.6 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7558 ppm	103.5841 %	106.0718 %	94.9546 %	118.9591 %	127.6711 %	119.4167 %
Concentration per Run	0.7490 ppm	103.2483 %	106.6027 %	94.9388 %	118.0034 %	128.6083 %	119.4227 %
Concentration per Run	0.7547 ppm	104.3678 %	105.6778 %	94.5244 %	119.8822 %	127.4025 %	119.2296 %
Concentration per Run	0.7636 ppm	103.1362 %	105.9347 %	95.4006 %	118.9917 %	127.0024 %	119.5976 %
Concentration RSD	1.0 %	0.7 %	0.5 %	0.5 %	0.8 %	0.7 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-3d2 WG2113296

Analysis started at: 9/11/2025 11:02:15 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 23

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0430 ppm	74.6352 ppm	0.1086 ppm	0.8690 ppm	2.1894 ppm	0.0417 ppm	29.0354 ppm
Concentration per Run	0.0423 ppm	74.5944 ppm	0.1112 ppm	0.8589 ppm	2.1976 ppm	0.0418 ppm	29.0005 ppm
Concentration per Run	0.0428 ppm	72.2092 ppm	0.1102 ppm	0.8730 ppm	2.1109 ppm	0.0403 ppm	28.0843 ppm
Concentration per Run	0.0439 ppm	77.1019 ppm	0.1045 ppm	0.8750 ppm	2.2596 ppm	0.0429 ppm	30.0213 ppm
Concentration RSD	1.9 %	3.3 %	3.4 %	1.0 %	3.4 %	3.2 %	3.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0459 ppm	0.4636 ppm	0.4635 ppm	0.4326 ppm	120.3165 ppm	34.6423 ppm	0.0995 ppm
Concentration per Run	0.0453 ppm	0.4593 ppm	0.4589 ppm	0.4274 ppm	120.3361 ppm	34.6800 ppm	0.1010 ppm
Concentration per Run	0.0463 ppm	0.4660 ppm	0.4649 ppm	0.4343 ppm	115.9694 ppm	33.5726 ppm	0.0955 ppm
Concentration per Run	0.0462 ppm	0.4655 ppm	0.4667 ppm	0.4362 ppm	124.6440 ppm	35.6743 ppm	0.1021 ppm
Concentration RSD	1.1 %	0.8 %	0.9 %	1.1 %	3.6 %	3.0 %	3.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	61.8789 ppm	2.1216 ppm	0.8559 ppm	22.8989 ppm	0.5791 ppm	0.8850 ppm	0.1833 ppm
Concentration per Run	61.1621 ppm	2.1203 ppm	0.8484 ppm	22.9270 ppm	0.5750 ppm	0.9054 ppm	0.1832 ppm
Concentration per Run	62.1138 ppm	2.0547 ppm	0.8622 ppm	22.1862 ppm	0.5818 ppm	0.8889 ppm	0.1852 ppm
Concentration per Run	62.3608 ppm	2.1898 ppm	0.8572 ppm	23.5834 ppm	0.5805 ppm	0.8606 ppm	0.1816 ppm
Concentration RSD	1.0 %	3.2 %	0.8 %	3.1 %	0.6 %	2.6 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1034 ppm	13.4781 ppm	0.8453 ppm	0.8820 ppm	7.0548 ppm	0.0992 ppm	0.7027 ppm
Concentration per Run	0.1086 ppm	13.3881 ppm	0.8401 ppm	0.8840 ppm	6.9508 ppm	0.1026 ppm	0.6934 ppm
Concentration per Run	0.1033 ppm	13.4222 ppm	0.8442 ppm	0.8517 ppm	7.1211 ppm	0.1003 ppm	0.7076 ppm
Concentration per Run	0.0984 ppm	13.6239 ppm	0.8517 ppm	0.9102 ppm	7.0926 ppm	0.0947 ppm	0.7073 ppm
Concentration RSD	4.9 %	0.9 %	0.7 %	3.3 %	1.3 %	4.1 %	1.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.3153 ppm	107.5630 ppm	117.7836 ppm	101.6760 ppm	119.4610 ppm	135.2828 ppm
Concentration per Run	1.3033 ppm	106.6362 ppm	116.5867 ppm	99.9271 ppm	117.3978 ppm	136.0820 ppm
Concentration per Run	1.3213 ppm	108.6302 ppm	119.1114 ppm	100.9997 ppm	121.3438 ppm	132.3700 ppm
Concentration per Run	1.3214 ppm	107.4225 ppm	117.6525 ppm	104.1010 ppm	119.6415 ppm	132.3965 ppm
Concentration RSD	0.8 %	0.9 %	1.1 %	2.1 %	1.7 %	1.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: xWG2113296-4d2 WG2113296

Analysis started at: 9/11/2025 11:04:20 AM

Comment <Comment>

Rack Number 1

Vial Numbers 24

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0372 ppm	69.0670 ppm	0.0871 ppm	0.7461 ppm	2.0773 ppm	0.0389 ppm	26.0716 ppm
Concentration per Run	0.0359 ppm	35.3198 ppm	0.0932 ppm	0.7542 ppm	0.9852 ppm	0.0189 ppm	12.9280 ppm
Concentration per Run	0.0385 ppm	82.5235 ppm	0.0865 ppm	0.7498 ppm	2.5133 ppm	0.0468 ppm	31.4079 ppm
Concentration per Run	0.0371 ppm	89.3578 ppm	0.0817 ppm	0.7342 ppm	2.7334 ppm	0.0509 ppm	33.8790 ppm
Concentration RSD	3.5 %	42.6 %	6.6 %	1.4 %	45.8 %	44.8 %	43.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0409 ppm	0.4143 ppm	0.4082 ppm	0.3419 ppm	115.5030 ppm	33.8736 ppm	0.1005 ppm
Concentration per Run	0.0423 ppm	0.4213 ppm	0.4120 ppm	0.3388 ppm	54.6264 ppm	17.2297 ppm	0.0522 ppm
Concentration per Run	0.0407 ppm	0.4167 ppm	0.4109 ppm	0.3471 ppm	139.2324 ppm	40.1674 ppm	0.1183 ppm
Concentration per Run	0.0399 ppm	0.4049 ppm	0.4016 ppm	0.3396 ppm	152.6503 ppm	44.2237 ppm	0.1310 ppm
Concentration RSD	2.9 %	2.0 %	1.4 %	1.3 %	46.0 %	43.0 %	42.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	54.0402 ppm	3.0672 ppm	0.7508 ppm	22.7048 ppm	0.5072 ppm	0.6804 ppm	0.1601 ppm
Concentration per Run	54.5960 ppm	1.4405 ppm	0.7617 ppm	11.7066 ppm	0.5157 ppm	0.7339 ppm	0.1626 ppm
Concentration per Run	54.2881 ppm	3.7243 ppm	0.7535 ppm	27.1216 ppm	0.5088 ppm	0.6795 ppm	0.1594 ppm
Concentration per Run	53.2364 ppm	4.0369 ppm	0.7372 ppm	29.2861 ppm	0.4972 ppm	0.6279 ppm	0.1583 ppm
Concentration RSD	1.3 %	46.2 %	1.7 %	42.2 %	1.8 %	7.8 %	1.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0829 ppm	10.4197 ppm	0.7315 ppm	0.8376 ppm	6.1914 ppm	0.0813 ppm	0.6384 ppm
Concentration per Run	0.0899 ppm	10.3996 ppm	0.7419 ppm	0.4133 ppm	6.2447 ppm	0.0895 ppm	0.6466 ppm
Concentration per Run	0.0816 ppm	10.6630 ppm	0.7322 ppm	1.0037 ppm	6.2515 ppm	0.0805 ppm	0.6401 ppm
Concentration per Run	0.0773 ppm	10.1966 ppm	0.7204 ppm	1.0959 ppm	6.0779 ppm	0.0740 ppm	0.6284 ppm
Concentration RSD	7.7 %	2.2 %	1.5 %	44.2 %	1.6 %	9.6 %	1.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.9302 ppm	111.9224 %	100.0937 %	112.1015 %	126.9917 %	118.1999 %	134.0111 %
Concentration per Run	0.9425 ppm	110.5506 %	95.0219 %	105.6922 %	124.7137 %	103.9360 %	128.0387 %
Concentration per Run	0.9334 ppm	112.0167 %	106.6496 %	111.4920 %	126.9037 %	130.0062 %	133.1884 %
Concentration per Run	0.9148 ppm	113.1999 %	98.6094 %	119.1201 %	129.3578 %	120.6576 %	140.8062 %
Concentration RSD	1.5 %	1.2 %	5.9 %	6.0 %	1.8 %	11.2 %	4.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-5d2 WG2113296

Analysis started at: 9/11/2025 11:06:25 AM

Comment <Comment>

Rack Number 1

Vial Numbers 25

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0432 ppm	149.2713 ppm	0.1031 ppm	0.8340 ppm	3.3662 ppm	0.0457 ppm	29.3493 ppm
Concentration per Run	0.0432 ppm	149.5022 ppm	0.1040 ppm	0.8328 ppm	3.3612 ppm	0.0457 ppm	29.4239 ppm
Concentration per Run	0.0430 ppm	149.4543 ppm	0.1019 ppm	0.8379 ppm	3.3656 ppm	0.0457 ppm	29.3593 ppm
Concentration per Run	0.0434 ppm	148.8573 ppm	0.1034 ppm	0.8314 ppm	3.3719 ppm	0.0457 ppm	29.2647 ppm
Concentration RSD	0.5 %	0.2 %	1.0 %	0.4 %	0.2 %	0.0 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0436 ppm	0.4847 ppm	0.8517 ppm	0.3398 ppm	244.1501 ppm	95.7657 ppm	0.1818 ppm
Concentration per Run	0.0436 ppm	0.4844 ppm	0.8475 ppm	0.3386 ppm	242.3050 ppm	95.4037 ppm	0.1802 ppm
Concentration per Run	0.0437 ppm	0.4852 ppm	0.8560 ppm	0.3412 ppm	245.8116 ppm	95.8571 ppm	0.1816 ppm
Concentration per Run	0.0436 ppm	0.4845 ppm	0.8517 ppm	0.3397 ppm	244.3338 ppm	96.0362 ppm	0.1835 ppm
Concentration RSD	0.1 %	0.1 %	0.5 %	0.4 %	0.7 %	0.3 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	112.9021 ppm	3.5735 ppm	0.8196 ppm	24.7632 ppm	0.7154 ppm	0.7443 ppm	0.4232 ppm
Concentration per Run	111.9327 ppm	3.5731 ppm	0.8214 ppm	24.7486 ppm	0.7162 ppm	0.7439 ppm	0.4263 ppm
Concentration per Run	113.8394 ppm	3.5812 ppm	0.8199 ppm	24.7579 ppm	0.7170 ppm	0.7454 ppm	0.4185 ppm
Concentration per Run	112.9343 ppm	3.5663 ppm	0.8176 ppm	24.7831 ppm	0.7129 ppm	0.7435 ppm	0.4247 ppm
Concentration RSD	0.8 %	0.2 %	0.2 %	0.1 %	0.3 %	0.1 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1040 ppm	10.8159 ppm	0.8275 ppm	0.9445 ppm	15.5288 ppm	0.1004 ppm	0.9521 ppm
Concentration per Run	0.1040 ppm	11.0472 ppm	0.8283 ppm	0.9430 ppm	15.4161 ppm	0.1031 ppm	0.9425 ppm
Concentration per Run	0.1040 ppm	10.7450 ppm	0.8284 ppm	0.9449 ppm	15.6717 ppm	0.0988 ppm	0.9572 ppm
Concentration per Run	0.1039 ppm	10.6557 ppm	0.8257 ppm	0.9456 ppm	15.4985 ppm	0.0993 ppm	0.9566 ppm
Concentration RSD	0.0 %	1.9 %	0.2 %	0.1 %	0.8 %	2.4 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Sc 227.318 Axial-IFR)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.1611 ppm	102.4842 %	105.2646 %	94.4189 %	118.3413 %	127.2284 %	118.5993 %
Concentration per Run	1.1578 ppm	102.2514 %	105.0167 %	94.7595 %	117.6207 %	127.4681 %	118.9472 %
Concentration per Run	1.1661 ppm	102.3453 %	105.4052 %	94.5380 %	118.6508 %	126.9822 %	118.7570 %
Concentration per Run	1.1596 ppm	102.8560 %	105.3721 %	93.9593 %	118.7525 %	127.2348 %	118.0938 %
Concentration RSD	0.4 %	0.3 %	0.2 %	0.4 %	0.5 %	0.2 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-6d10.WG2113296

Analysis started at: 9/11/2025 11:08:30 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 26

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	29.7179 ppm	0.0056 ppm	0.0049 ppm	0.3524 ppm	0.0008 ppm	4.2882 ppm
Concentration per Run	-0.0010 ppm	29.5299 ppm	0.0058 ppm	0.0052 ppm	0.3518 ppm	0.0007 ppm	4.2905 ppm
Concentration per Run	-0.0003 ppm	29.8206 ppm	0.0049 ppm	0.0040 ppm	0.3527 ppm	0.0008 ppm	4.2807 ppm
Concentration per Run	-0.0003 ppm	29.8033 ppm	0.0061 ppm	0.0054 ppm	0.3528 ppm	0.0008 ppm	4.2934 ppm
Concentration RSD	86.0 %	0.5 %	10.6 %	15.1 %	0.2 %	3.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0192 ppm	0.1393 ppm	0.0254 ppm	51.6593 ppm	17.4551 ppm	0.0380 ppm
Concentration per Run	0.0001 ppm	0.0192 ppm	0.1395 ppm	0.0258 ppm	51.6743 ppm	17.3904 ppm	0.0394 ppm
Concentration per Run	0.0002 ppm	0.0194 ppm	0.1397 ppm	0.0251 ppm	51.5839 ppm	17.5118 ppm	0.0377 ppm
Concentration per Run	0.0002 ppm	0.0189 ppm	0.1388 ppm	0.0253 ppm	51.7197 ppm	17.4630 ppm	0.0369 ppm
Concentration RSD	21.7 %	1.3 %	0.3 %	1.4 %	0.1 %	0.3 %	3.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	21.5620 ppm	0.6515 ppm	0.0001 ppm	3.2794 ppm	0.0659 ppm	0.0617 ppm	-0.0004 ppm
Concentration per Run	21.6992 ppm	0.6506 ppm	0.0000 ppm	3.2535 ppm	0.0668 ppm	0.0607 ppm	0.0007 ppm
Concentration per Run	21.5633 ppm	0.6534 ppm	0.0000 ppm	3.3149 ppm	0.0650 ppm	0.0614 ppm	-0.0028 ppm
Concentration per Run	21.4236 ppm	0.6505 ppm	0.0003 ppm	3.2699 ppm	0.0659 ppm	0.0631 ppm	0.0008 ppm
Concentration RSD	0.6 %	0.3 %	193.9 %	1.0 %	1.3 %	2.0 %	462.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	1.8881 ppm	0.0046 ppm	0.0256 ppm	2.9729 ppm	0.0011 ppm	0.1047 ppm
Concentration per Run	0.0026 ppm	1.9677 ppm	0.0054 ppm	0.0256 ppm	2.9857 ppm	0.0006 ppm	0.1047 ppm
Concentration per Run	0.0009 ppm	1.8534 ppm	0.0045 ppm	0.0258 ppm	2.9778 ppm	0.0017 ppm	0.1050 ppm
Concentration per Run	0.0012 ppm	1.8431 ppm	0.0037 ppm	0.0254 ppm	2.9552 ppm	0.0011 ppm	0.1044 ppm
Concentration RSD	59.9 %	3.7 %	18.9 %	0.7 %	0.5 %	45.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1567 ppm	100.5947 %	100.1961 %	97.2289 %	101.7362 %	104.3768 %	101.8899 %
Concentration per Run	0.1566 ppm	100.3260 %	101.2609 %	97.2431 %	101.4729 %	104.4057 %	102.1419 %
Concentration per Run	0.1576 ppm	100.6816 %	99.0979 %	97.0304 %	101.8366 %	104.1551 %	101.2363 %
Concentration per Run	0.1560 ppm	100.7764 %	100.2294 %	97.4131 %	101.8991 %	104.5695 %	102.2915 %
Concentration RSD	0.5 %	0.2 %	1.1 %	0.2 %	0.2 %	0.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 11:10:35 AM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5069 ppm	0.4837 ppm	0.4887 ppm	0.4955 ppm	0.4920 ppm	0.5079 ppm	0.4907 ppm
Concentration per Run	0.5048 ppm	0.4910 ppm	0.4881 ppm	0.4938 ppm	0.4947 ppm	0.5088 ppm	0.4888 ppm
Concentration per Run	0.5063 ppm	0.4780 ppm	0.4920 ppm	0.4939 ppm	0.4900 ppm	0.5068 ppm	0.4922 ppm
Concentration per Run	0.5096 ppm	0.4821 ppm	0.4860 ppm	0.4987 ppm	0.4914 ppm	0.5081 ppm	0.4911 ppm
Recovery Percentage	101.380 %	96.737 %	97.742 %	99.090 %	98.399 %	101.580 %	98.142 %
Concentration RSD	0.5 %	1.4 %	0.6 %	0.6 %	0.5 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5184 ppm	0.5102 ppm	0.5117 ppm	0.5230 ppm	0.5104 ppm	5.1549 ppm	0.5091 ppm
Concentration per Run	0.5153 ppm	0.5094 ppm	0.5088 ppm	0.5209 ppm	0.5122 ppm	5.1684 ppm	0.5090 ppm
Concentration per Run	0.5197 ppm	0.5111 ppm	0.5145 ppm	0.5241 ppm	0.5116 ppm	5.1221 ppm	0.5092 ppm
Concentration per Run	0.5200 ppm	0.5103 ppm	0.5118 ppm	0.5240 ppm	0.5075 ppm	5.1742 ppm	0.5090 ppm
Recovery Percentage	103.672 %	102.050 %	102.342 %	104.605 %	102.080 %	103.098 %	101.816 %
Concentration RSD	0.5 %	0.2 %	0.6 %	0.3 %	0.5 %	0.6 %	0.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5229 ppm	0.5077 ppm	0.4920 ppm	10.2721 ppm	0.5160 ppm	0.5109 ppm	0.5232 ppm
Concentration per Run	0.5169 ppm	0.5086 ppm	0.4876 ppm	10.2520 ppm	0.5126 ppm	0.5105 ppm	0.5196 ppm
Concentration per Run	0.5255 ppm	0.5060 ppm	0.4938 ppm	10.2511 ppm	0.5169 ppm	0.5102 ppm	0.5260 ppm
Concentration per Run	0.5264 ppm	0.5085 ppm	0.4945 ppm	10.3131 ppm	0.5185 ppm	0.5118 ppm	0.5241 ppm
Recovery Percentage	104.586 %	101.543 %	98.392 %	102.721 %	103.195 %	102.170 %	104.644 %
Concentration RSD	1.0 %	0.3 %	0.8 %	0.3 %	0.6 %	0.2 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4883 ppm	5.4480 ppm	0.5006 ppm	0.5029 ppm	0.5146 ppm	0.5073 ppm	0.5164 ppm
Concentration per Run	0.4873 ppm	5.4229 ppm	0.4985 ppm	0.5058 ppm	0.5104 ppm	0.5069 ppm	0.5147 ppm
Concentration per Run	0.4921 ppm	5.4472 ppm	0.5016 ppm	0.5017 ppm	0.5152 ppm	0.5112 ppm	0.5169 ppm
Concentration per Run	0.4856 ppm	5.4737 ppm	0.5016 ppm	0.5012 ppm	0.5182 ppm	0.5039 ppm	0.5176 ppm
Recovery Percentage	97.667 %	103.771 %	100.114 %	100.575 %	102.922 %	101.469 %	103.280 %
Concentration RSD	0.7 %	0.5 %	0.4 %	0.5 %	0.8 %	0.7 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5047 ppm	100.0449 %	98.7007 %	97.8841 %	98.1576 %	99.1686 %	96.8805 %
Concentration per Run	0.5019 ppm	100.0420 %	98.9147 %	97.7179 %	98.4719 %	99.9351 %	96.7408 %
Concentration per Run	0.5060 ppm	99.7220 %	97.7239 %	97.7239 %	97.2565 %	99.3672 %	96.6942 %
Concentration per Run	0.5062 ppm	100.3708 %	97.8371 %	98.2103 %	98.7444 %	98.2036 %	97.2064 %
Recovery Percentage	100.938 %						
Concentration RSD	0.5 %	0.3 %	0.8 %	0.3 %	0.8 %	0.9 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 11:12:40 AM

Analysis started at: 9/11/2025 11:12:40 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0017 ppm	0.0001 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	-0.0001 ppm	-0.0068 ppm	-0.0012 ppm	0.0018 ppm	-0.0001 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run	0.0000 ppm	0.0014 ppm	0.0007 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0031 ppm
Concentration per Run	-0.0005 ppm	0.0103 ppm	0.0008 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage	-3.169 %	1.651 %	1.815 %	2.730 %	-0.891 %	0.665 %	-1.545 %
Concentration RSD	125.6 %	516.1 %	1.217.7 %	116.0 %	78.9 %	26.6 %	101.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0014 ppm	0.0005 ppm	0.0011 ppm
Concentration per Run	0.0002 ppm	-0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0016 ppm	0.0133 ppm	0.0017 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0001 ppm	0.0005 ppm	0.0015 ppm	0.0008 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0006 ppm	-0.0004 ppm	0.0012 ppm	-0.0127 ppm	0.0007 ppm
Recovery Percentage	2.284 %	0.040 %	-1.510 %	-1.112 %	2.843 %	0.019 %	21.661 %
Concentration RSD	53.6 %	9.544.3 %	284.3 %	230.4 %	15.0 %	2,774.9 %	46.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0007 ppm	-0.0001 ppm	0.0000 ppm	-0.0067 ppm	-0.0003 ppm	0.0003 ppm	0.0018 ppm
Concentration per Run	-0.0035 ppm	0.0000 ppm	0.0000 ppm	-0.0020 ppm	-0.0001 ppm	0.0009 ppm	-0.0006 ppm
Concentration per Run	0.0004 ppm	-0.0001 ppm	0.0001 ppm	-0.0119 ppm	-0.0004 ppm	0.0011 ppm	0.0019 ppm
Concentration per Run	0.0010 ppm	0.0000 ppm	-0.0001 ppm	-0.0061 ppm	-0.0005 ppm	-0.0010 ppm	0.0041 ppm
Recovery Percentage	-0.670 %	-0.549 %	0.001 %	-0.334 %	-1.357 %	3.218 %	3.664 %
Concentration RSD	366.0 %	156.4 %	16,188.0 %	74.9 %	64.7 %	364.4 %	129.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0011 ppm	0.0056 ppm	-0.0001 ppm	-0.0001 ppm	-0.0008 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0032 ppm	0.0003 ppm	0.0003 ppm	-0.0001 ppm	-0.0002 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run	0.0014 ppm	0.0049 ppm	0.0006 ppm	-0.0002 ppm	-0.0010 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	-0.0012 ppm	0.0058 ppm	-0.0012 ppm	0.0000 ppm	-0.0011 ppm	-0.0004 ppm	-0.0002 ppm
Recovery Percentage	11.137 %	1.114 %	-0.205 %	-1.013 %	-7.563 %	3.499 %	-0.327 %
Concentration RSD	196.8 %	9.8 %	925.9 %	104.8 %	60.3 %	139.9 %	560.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	98.4676 %	96.9976 %	97.4935 %	99.2309 %	99.1563 %	97.7614 %
Concentration per Run	0.0002 ppm	99.0186 %	96.9871 %	97.1782 %	100.0140 %	100.3917 %	97.6058 %
Concentration per Run	0.0006 ppm	97.8135 %	96.9147 %	97.2745 %	98.0895 %	98.5100 %	97.6773 %
Concentration per Run	0.0002 ppm	98.5708 %	97.0909 %	98.0278 %	99.5891 %	98.5671 %	98.0010 %
Recovery Percentage	6.205 %						
Concentration RSD	75.9 %	0.6 %	0.1 %	0.5 %	1.0 %	1.1 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR Fe 300

Analysis started at: 9/11/2025 11:22:23 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 33

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0024 ppm	-0.0006 ppm	0.0008 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run	0.0018 ppm	0.0016 ppm	0.0026 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0051 ppm
Concentration per Run	0.0030 ppm	0.0065 ppm	-0.0011 ppm	0.0027 ppm	-0.0003 ppm	0.0000 ppm	0.0057 ppm
Concentration per Run	0.0023 ppm	-0.0099 ppm	0.0010 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0017 ppm
Concentration RSD	25.4 %	1.408.4 %	219.6 %	100.7 %	78.0 %	627.9 %	135.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0012 ppm	0.0012 ppm	0.0001 ppm	283.4062 ppm	-0.0104 ppm	0.0009 ppm
Concentration per Run	0.0004 ppm	0.0014 ppm	0.0018 ppm	-0.0010 ppm	282.6589 ppm	-0.0154 ppm	0.0013 ppm
Concentration per Run	0.0004 ppm	0.0013 ppm	0.0004 ppm	0.0007 ppm	282.8006 ppm	0.0068 ppm	0.0000 ppm
Concentration per Run	0.0004 ppm	0.0010 ppm	-0.0007 ppm	0.0006 ppm	284.7591 ppm	-0.0225 ppm	0.0014 ppm
Concentration RSD	7.7 %	15.1 %	77.5 %	1.121.3 %	0.4 %	147.4 %	89.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0028 ppm	-0.0019 ppm	-0.0015 ppm	-0.0105 ppm	-0.0002 ppm	-0.0016 ppm	-0.0024 ppm
Concentration per Run	-0.0035 ppm	-0.0019 ppm	-0.0017 ppm	-0.0096 ppm	-0.0007 ppm	-0.0021 ppm	-0.0031 ppm
Concentration per Run	-0.0025 ppm	-0.0019 ppm	-0.0014 ppm	-0.0125 ppm	0.0003 ppm	-0.0022 ppm	-0.0004 ppm
Concentration per Run	-0.0024 ppm	-0.0019 ppm	-0.0013 ppm	-0.0093 ppm	-0.0004 ppm	-0.0004 ppm	-0.0036 ppm
Concentration RSD	19.8 %	1.1 %	14.1 %	17.0 %	214.8 %	66.6 %	73.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	0.0078 ppm	0.0023 ppm	0.0004 ppm	-0.0010 ppm	0.0008 ppm	-0.0016 ppm
Concentration per Run	-0.0014 ppm	0.0055 ppm	0.0020 ppm	0.0005 ppm	-0.0010 ppm	0.0021 ppm	-0.0014 ppm
Concentration per Run	0.0034 ppm	0.0085 ppm	0.0019 ppm	0.0003 ppm	-0.0011 ppm	0.0001 ppm	-0.0016 ppm
Concentration per Run	0.0054 ppm	0.0095 ppm	0.0031 ppm	0.0003 ppm	-0.0011 ppm	0.0002 ppm	-0.0017 ppm
Concentration RSD	139.9 %	26.1 %	27.4 %	21.0 %	5.3 %	141.5 %	8.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	99.9913 %	99.2435 %	94.3832 %	98.3168 %	100.7583 %	97.4106 %
Concentration per Run	0.0001 ppm	100.4385 %	99.0495 %	94.7846 %	99.1022 %	101.1352 %	97.5686 %
Concentration per Run	0.0003 ppm	99.5752 %	99.1525 %	94.5057 %	97.4132 %	101.1777 %	97.6995 %
Concentration per Run	0.0003 ppm	99.9602 %	99.5286 %	93.8742 %	98.4350 %	99.9621 %	96.9636 %
Concentration RSD	62.8 %	0.4 %	0.3 %	0.5 %	0.9 %	0.7 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-4d2 WG2113296

Analysis started at: 9/11/2025 11:24:39 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 32

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0427 ppm	82.2938 ppm	0.1054 ppm	0.8560 ppm	2.5077 ppm	0.0467 ppm	31.3977 ppm
Concentration per Run	0.0430 ppm	82.1926 ppm	0.1042 ppm	0.8550 ppm	2.5060 ppm	0.0469 ppm	31.3668 ppm
Concentration per Run	0.0426 ppm	82.7049 ppm	0.1070 ppm	0.8560 ppm	2.5161 ppm	0.0467 ppm	31.6055 ppm
Concentration per Run	0.0426 ppm	81.9840 ppm	0.1050 ppm	0.8570 ppm	2.5010 ppm	0.0466 ppm	31.2208 ppm
Concentration RSD	0.5 %	0.5 %	1.4 %	0.1 %	0.3 %	0.3 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0461 ppm	0.4721 ppm	0.3965 ppm	0.3965 ppm	140.8285 ppm	40.4955 ppm	0.1213 ppm
Concentration per Run	0.0462 ppm	0.4701 ppm	0.4675 ppm	0.3973 ppm	141.0403 ppm	40.2634 ppm	0.1217 ppm
Concentration per Run	0.0460 ppm	0.4738 ppm	0.4686 ppm	0.3965 ppm	140.6450 ppm	41.0178 ppm	0.1213 ppm
Concentration per Run	0.0461 ppm	0.4722 ppm	0.4684 ppm	0.3959 ppm	140.8001 ppm	40.2052 ppm	0.1208 ppm
Concentration RSD	0.2 %	0.4 %	0.4 %	0.2 %	0.1 %	1.1 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	60.9121 ppm	3.7050 ppm	0.8612 ppm	26.8524 ppm	0.5797 ppm	0.8631 ppm	0.1804 ppm
Concentration per Run	61.1207 ppm	3.7055 ppm	0.8602 ppm	26.8769 ppm	0.5796 ppm	0.8647 ppm	0.1799 ppm
Concentration per Run	60.4303 ppm	3.7182 ppm	0.8616 ppm	26.9907 ppm	0.5802 ppm	0.8614 ppm	0.1805 ppm
Concentration per Run	61.1852 ppm	3.6914 ppm	0.8619 ppm	26.6895 ppm	0.5792 ppm	0.8633 ppm	0.1809 ppm
Concentration RSD	0.7 %	0.4 %	0.1 %	0.6 %	0.1 %	0.2 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1051 ppm	9.4540 ppm	0.8311 ppm	1.0011 ppm	6.9889 ppm	0.1010 ppm	0.7240 ppm
Concentration per Run	0.0989 ppm	9.3051 ppm	0.8332 ppm	1.0011 ppm	6.9990 ppm	0.1018 ppm	0.7249 ppm
Concentration per Run	0.1066 ppm	9.4396 ppm	0.8319 ppm	1.0049 ppm	6.9375 ppm	0.1016 ppm	0.7217 ppm
Concentration per Run	0.1097 ppm	9.6175 ppm	0.8281 ppm	0.9972 ppm	7.0301 ppm	0.0998 ppm	0.7256 ppm
Concentration RSD	5.3 %	1.7 %	0.3 %	0.4 %	0.7 %	1.1 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0574 ppm	101.2738 %	102.8813 %	94.0948 %	117.5817 %	117.2453 %
Concentration per Run	1.0560 ppm	101.0949 %	102.5875 %	94.0333 %	117.5102 %	117.5273 %
Concentration per Run	1.0590 ppm	101.7157 %	103.3428 %	93.9409 %	117.8937 %	117.0100 %
Concentration per Run	1.0570 ppm	101.0109 %	103.7135 %	94.3102 %	117.3411 %	117.1985 %
Concentration RSD	0.1 %	0.4 %	0.7 %	0.2 %	0.2 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-10d2 WG2113296

Analysis started at: 9/11/2025 11:26:44 AM

Comment <Comment>

Rack Number 1

Vial Numbers 28

	Ag 328.068 Axial-IFR	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	0.0018 ppm	184.4337 ppm	0.0371 ppm	0.0275 ppm	2.3640 ppm	0.0071 ppm	45.0553 ppm
Concentration per Run	0.0006 ppm	184.2070 ppm	0.0375 ppm	0.0277 ppm	2.3574 ppm	0.0070 ppm	45.0718 ppm
Concentration per Run	0.0026 ppm	184.8153 ppm	0.0358 ppm	0.0298 ppm	2.3728 ppm	0.0072 ppm	45.0524 ppm
Concentration per Run	0.0023 ppm	184.2788 ppm	0.0381 ppm	0.0251 ppm	2.3617 ppm	0.0072 ppm	45.0417 ppm
Concentration RSD	59.0 %	0.2 %	3.2 %	8.4 %	0.3 %	1.4 %	0.0 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0010 ppm	0.1496 ppm	0.8188 ppm	0.7057 ppm	361.6691 ppm	83.7179 ppm	0.3413 ppm
Concentration per Run	0.0007 ppm	0.1472 ppm	0.8181 ppm	0.7092 ppm	362.2977 ppm	83.1000 ppm	0.3441 ppm
Concentration per Run	0.0013 ppm	0.1512 ppm	0.8184 ppm	0.7064 ppm	361.4894 ppm	83.9863 ppm	0.3427 ppm
Concentration per Run	0.0009 ppm	0.1505 ppm	0.8199 ppm	0.7014 ppm	361.2201 ppm	84.0676 ppm	0.3372 ppm
Concentration RSD	30.1 %	1.4 %	0.1 %	0.6 %	0.2 %	0.6 %	1.1 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	157.6869 ppm	6.4044 ppm	0.0038 ppm	13.1408 ppm	0.3670 ppm	2.0535 ppm	-0.0015 ppm
Concentration per Run	158.6381 ppm	6.3910 ppm	0.0038 ppm	13.0256 ppm	0.3657 ppm	2.0497 ppm	0.0003 ppm
Concentration per Run	156.3685 ppm	6.4103 ppm	0.0034 ppm	13.1434 ppm	0.3692 ppm	2.0499 ppm	0.0016 ppm
Concentration per Run	158.0541 ppm	6.4120 ppm	0.0041 ppm	13.2535 ppm	0.3660 ppm	2.0608 ppm	-0.0065 ppm
Concentration RSD	0.7 %	0.2 %	9.3 %	0.9 %	0.5 %	0.3 %	281.8 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0087 ppm	10.6241 ppm	0.2781 ppm	0.3488 ppm	14.0971 ppm	0.0049 ppm	0.9015 ppm
Concentration per Run	0.0060 ppm	10.7582 ppm	0.2786 ppm	0.3483 ppm	14.1748 ppm	0.0042 ppm	0.9029 ppm
Concentration per Run	0.0098 ppm	10.4169 ppm	0.2785 ppm	0.3496 ppm	13.9980 ppm	0.0043 ppm	0.9010 ppm
Concentration per Run	0.0102 ppm	10.6971 ppm	0.2771 ppm	0.3484 ppm	14.1186 ppm	0.0062 ppm	0.9006 ppm
Concentration RSD	26.6 %	1.7 %	0.3 %	0.2 %	0.6 %	23.0 %	0.1 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	1.1853 ppm	107.8441 %	112.5283 %	97.8940 %	129.4868 %	141.0365 %	129.7313 %
Concentration per Run	1.1843 ppm	107.6727 %	113.3978 %	98.0257 %	129.9395 %	139.8573 %	129.8048 %
Concentration per Run	1.1861 ppm	107.7235 %	112.5425 %	97.9923 %	128.9552 %	140.7589 %	129.8831 %
Concentration per Run	1.1856 ppm	108.1362 %	111.6446 %	97.6640 %	129.5658 %	142.4933 %	129.5061 %
Concentration RSD	0.1 %	0.2 %	0.8 %	0.2 %	0.4 %	0.9 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-16d2 WG2113296

Analysis started at: 9/11/2025 11:28:49 AM

Comment <Comment>

Rack Number 1

Vial Numbers 29

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0036 ppm	85.8306 ppm	0.0688 ppm	0.0487 ppm	1.9442 ppm	0.0042 ppm	164.6910 ppm
Concentration per Run	0.0031 ppm	85.8304 ppm	0.0686 ppm	0.0483 ppm	1.9442 ppm	0.0043 ppm	164.6900 ppm
Concentration per Run	0.0039 ppm	85.6207 ppm	0.0693 ppm	0.0467 ppm	1.9397 ppm	0.0041 ppm	164.7167 ppm
Concentration per Run	0.0039 ppm	86.0407 ppm	0.0685 ppm	0.0512 ppm	1.9487 ppm	0.0043 ppm	164.6662 ppm
Concentration RSD	13.5 %	0.2 %	0.6 %	4.8 %	0.2 %	2.0 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0037 ppm	0.0706 ppm	0.2544 ppm	1.0260 ppm	191.5693 ppm	25.3101 ppm	0.1222 ppm
Concentration per Run	0.0037 ppm	0.0711 ppm	0.2544 ppm	1.0240 ppm	190.3941 ppm	25.2691 ppm	0.1246 ppm
Concentration per Run	0.0039 ppm	0.0696 ppm	0.2534 ppm	1.0183 ppm	192.7885 ppm	25.2262 ppm	0.1223 ppm
Concentration per Run	0.0037 ppm	0.0712 ppm	0.2554 ppm	1.0357 ppm	191.5253 ppm	25.4350 ppm	0.1195 ppm
Concentration RSD	2.7 %	1.2 %	0.4 %	0.9 %	0.6 %	0.4 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	59.2592 ppm	3.4906 ppm	0.0116 ppm	4.9117 ppm	0.1851 ppm	4.6917 ppm	0.0057 ppm
Concentration per Run	59.7276 ppm	3.4861 ppm	0.0115 ppm	4.9058 ppm	0.1848 ppm	4.6777 ppm	0.0070 ppm
Concentration per Run	58.2352 ppm	3.4880 ppm	0.0115 ppm	4.8862 ppm	0.1847 ppm	4.7083 ppm	0.0034 ppm
Concentration per Run	59.8148 ppm	3.4976 ppm	0.0117 ppm	4.9431 ppm	0.1857 ppm	4.6890 ppm	0.0066 ppm
Concentration RSD	1.5 %	0.2 %	0.8 %	0.6 %	0.3 %	0.3 %	34.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0119 ppm	12.1779 ppm	0.6190 ppm	0.5077 ppm	5.2425 ppm	0.0016 ppm	0.2899 ppm
Concentration per Run	0.0109 ppm	12.4563 ppm	0.6139 ppm	0.5071 ppm	5.2667 ppm	0.0014 ppm	0.2903 ppm
Concentration per Run	0.0106 ppm	12.0083 ppm	0.6220 ppm	0.5068 ppm	5.1582 ppm	0.0015 ppm	0.2884 ppm
Concentration per Run	0.0143 ppm	12.0691 ppm	0.6211 ppm	0.5091 ppm	5.3025 ppm	0.0020 ppm	0.2912 ppm
Concentration RSD	17.4 %	2.0 %	0.7 %	0.2 %	1.4 %	18.3 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.6991 ppm	100.0989 %	102.8892 %	92.2365 %	113.9574 %	120.7291 %	113.2733 %
Concentration per Run	2.6992 ppm	99.7269 %	104.0645 %	92.2803 %	113.4535 %	122.4653 %	112.7686 %
Concentration per Run	2.6790 ppm	100.4096 %	102.4431 %	92.1012 %	114.1574 %	118.4874 %	112.8929 %
Concentration per Run	2.7191 ppm	100.1603 %	102.1570 %	92.3280 %	114.2614 %	121.2346 %	114.1583 %
Concentration RSD	0.7 %	0.3 %	1.0 %	0.1 %	0.4 %	1.7 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-23d2 WG2113296

Analysis started at: 9/11/2025 11:30:55 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 30

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	49.2786 ppm	0.0202 ppm	0.0188 ppm	0.4937 ppm	0.0018 ppm	162.7862 ppm
Concentration per Run	0.0001 ppm	49.3155 ppm	0.0192 ppm	0.0186 ppm	0.4941 ppm	0.0017 ppm	163.0514 ppm
Concentration per Run	-0.0003 ppm	49.5046 ppm	0.0197 ppm	0.0174 ppm	0.4934 ppm	0.0018 ppm	162.8325 ppm
Concentration per Run	0.0009 ppm	49.0158 ppm	0.0215 ppm	0.0203 ppm	0.4937 ppm	0.0018 ppm	162.4746 ppm
Concentration RSD	257.2 %	0.5 %	5.9 %	7.7 %	0.1 %	2.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0404 ppm	0.1756 ppm	0.2332 ppm	99.3637 ppm	18.3293 ppm	0.0809 ppm
Concentration per Run	-0.0006 ppm	0.0403 ppm	0.1757 ppm	0.2336 ppm	99.6646 ppm	18.3181 ppm	0.0821 ppm
Concentration per Run	-0.0005 ppm	0.0408 ppm	0.1757 ppm	0.2323 ppm	99.5948 ppm	18.3019 ppm	0.0811 ppm
Concentration per Run	-0.0005 ppm	0.0402 ppm	0.1755 ppm	0.2337 ppm	98.8318 ppm	18.3679 ppm	0.0794 ppm
Concentration RSD	10.1 %	0.8 %	0.1 %	0.3 %	0.5 %	0.2 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	71.6470 ppm	1.9692 ppm	0.0026 ppm	8.7545 ppm	0.1157 ppm	0.5725 ppm	0.0076 ppm
Concentration per Run	71.5641 ppm	1.9733 ppm	0.0029 ppm	8.7276 ppm	0.1158 ppm	0.5702 ppm	0.0034 ppm
Concentration per Run	71.7283 ppm	1.9791 ppm	0.0021 ppm	8.7587 ppm	0.1154 ppm	0.5727 ppm	0.0114 ppm
Concentration per Run	71.6487 ppm	1.9551 ppm	0.0028 ppm	8.7773 ppm	0.1158 ppm	0.5747 ppm	0.0081 ppm
Concentration RSD	0.1 %	0.6 %	16.5 %	0.3 %	0.2 %	0.4 %	53.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0032 ppm	5.9232 ppm	0.0332 ppm	0.6453 ppm	4.1227 ppm	0.0012 ppm	0.1954 ppm
Concentration per Run	0.0039 ppm	5.8787 ppm	0.0334 ppm	0.6460 ppm	4.1068 ppm	0.0015 ppm	0.1950 ppm
Concentration per Run	0.0035 ppm	5.9197 ppm	0.0339 ppm	0.6461 ppm	4.1396 ppm	0.0025 ppm	0.1951 ppm
Concentration per Run	0.0022 ppm	5.9711 ppm	0.0322 ppm	0.6439 ppm	4.1219 ppm	-0.0005 ppm	0.1960 ppm
Concentration RSD	27.3 %	0.8 %	2.7 %	0.2 %	0.4 %	128.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6344 ppm	98.1023 %	100.6515 %	91.2470 %	103.7377 %	108.7708 %	102.5180 %
Concentration per Run	0.6327 ppm	97.9774 %	100.4049 %	91.4304 %	103.6222 %	107.6817 %	102.7030 %
Concentration per Run	0.6354 ppm	97.9714 %	100.9760 %	91.3725 %	103.5647 %	108.1407 %	102.3531 %
Concentration per Run	0.6351 ppm	98.3581 %	100.5737 %	90.9381 %	104.0261 %	110.4900 %	102.4978 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.3 %	0.2 %	1.4 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR Fe 400

Analysis started at: 9/11/2025 11:52:56 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 34

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0018 ppm	0.0005 ppm	0.0004 ppm	0.0011 ppm	-0.0001 ppm	0.0001 ppm	0.0045 ppm
Concentration per Run	0.0017 ppm	0.0079 ppm	0.0003 ppm	0.0020 ppm	-0.0001 ppm	0.0001 ppm	0.0035 ppm
Concentration per Run	0.0023 ppm	0.0004 ppm	0.0021 ppm	0.0010 ppm	-0.0002 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run	0.0015 ppm	-0.0067 ppm	-0.0013 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0088 ppm
Concentration RSD	24.2 %	1,367.8 %	466.8 %	73.4 %	112.1 %	52.1 %	88.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0015 ppm	-0.0010 ppm	-0.0012 ppm	373.8358 ppm	-0.0061 ppm	0.0018 ppm
Concentration per Run	0.0003 ppm	0.0013 ppm	-0.0012 ppm	-0.0012 ppm	371.2983 ppm	0.0079 ppm	0.0015 ppm
Concentration per Run	0.0004 ppm	0.0013 ppm	-0.0006 ppm	-0.0011 ppm	371.3436 ppm	0.0041 ppm	0.0019 ppm
Concentration per Run	0.0005 ppm	0.0019 ppm	-0.0012 ppm	-0.0011 ppm	378.8657 ppm	-0.0301 ppm	0.0020 ppm
Concentration RSD	26.8 %	21.4 %	31.7 %	23.5 %	1.2 %	346.3 %	16.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0001 ppm	-0.0030 ppm	-0.0024 ppm	-0.0055 ppm	0.0001 ppm	-0.0007 ppm	-0.0011 ppm
Concentration per Run	-0.0018 ppm	-0.0030 ppm	-0.0029 ppm	-0.0056 ppm	0.0010 ppm	-0.0012 ppm	0.0008 ppm
Concentration per Run	0.0013 ppm	-0.0030 ppm	-0.0022 ppm	-0.0049 ppm	0.0003 ppm	-0.0003 ppm	-0.0013 ppm
Concentration per Run	0.0007 ppm	-0.0029 ppm	-0.0022 ppm	-0.0060 ppm	-0.0011 ppm	-0.0006 ppm	-0.0029 ppm
Concentration RSD	2,771.3 %	3.0 %	16.5 %	9.6 %	1,605.2 %	64.8 %	165.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0010 ppm	0.0077 ppm	0.0014 ppm	0.0004 ppm	-0.0013 ppm	0.0009 ppm	-0.0016 ppm
Concentration per Run	-0.0021 ppm	0.0083 ppm	-0.0001 ppm	0.0005 ppm	-0.0012 ppm	0.0006 ppm	-0.0016 ppm
Concentration per Run	-0.0004 ppm	0.0078 ppm	0.0015 ppm	0.0003 ppm	-0.0014 ppm	0.0007 ppm	-0.0013 ppm
Concentration per Run	-0.0003 ppm	0.0070 ppm	0.0027 ppm	0.0004 ppm	-0.0014 ppm	0.0016 ppm	-0.0018 ppm
Concentration RSD	105.0 %	8.7 %	99.5 %	16.8 %	9.4 %	58.2 %	16.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	99.4218 %	98.5421 %	92.2310 %	97.8705 %	99.7572 %	96.3977 %
Concentration per Run	0.0001 ppm	99.3056 %	98.4912 %	92.4239 %	97.7750 %	100.8041 %	96.4024 %
Concentration per Run	0.0002 ppm	100.1777 %	99.3823 %	92.2714 %	98.4106 %	99.9826 %	96.5366 %
Concentration per Run	0.0003 ppm	98.7820 %	97.7529 %	91.9976 %	97.4260 %	98.4850 %	96.2542 %
Concentration RSD	42.1 %	0.7 %	0.8 %	0.2 %	0.5 %	1.2 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-54d2 WG2113296

Analysis started at: 9/11/2025 11:55:12 AM

Comment

Rack Number 1

Vial Numbers 31

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0108 ppm	87.6718 ppm	0.1430 ppm	0.0480 ppm	0.7831 ppm	0.0049 ppm	21.1055 ppm
Concentration per Run	0.0104 ppm	87.8681 ppm	0.1454 ppm	0.0468 ppm	0.7804 ppm	0.0049 ppm	20.9593 ppm
Concentration per Run	0.0112 ppm	87.6423 ppm	0.1412 ppm	0.0470 ppm	0.7826 ppm	0.0049 ppm	21.2235 ppm
Concentration per Run	0.0106 ppm	87.5049 ppm	0.1424 ppm	0.0501 ppm	0.7862 ppm	0.0050 ppm	21.1337 ppm
Concentration RSD	4.0 %	0.2 %	1.5 %	3.9 %	0.4 %	1.0 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0039 ppm	0.0791 ppm	0.3177 ppm	0.8880 ppm	177.7561 ppm	26.9503 ppm	0.2244 ppm
Concentration per Run	0.0038 ppm	0.0785 ppm	0.3176 ppm	0.8893 ppm	177.6487 ppm	26.7735 ppm	0.2239 ppm
Concentration per Run	0.0039 ppm	0.0802 ppm	0.3203 ppm	0.8918 ppm	177.8203 ppm	26.9610 ppm	0.2240 ppm
Concentration per Run	0.0041 ppm	0.0785 ppm	0.3153 ppm	0.8830 ppm	177.7994 ppm	27.1163 ppm	0.2252 ppm
Concentration RSD	3.4 %	1.2 %	0.8 %	0.5 %	0.1 %	0.6 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	41.5412 ppm	3.2839 ppm	0.0400 ppm	12.1323 ppm	0.2231 ppm	1.6917 ppm	0.0080 ppm
Concentration per Run	41.4845 ppm	3.2833 ppm	0.0397 ppm	11.9473 ppm	0.2235 ppm	1.6850 ppm	0.0075 ppm
Concentration per Run	41.6699 ppm	3.2829 ppm	0.0407 ppm	12.1902 ppm	0.2237 ppm	1.6947 ppm	0.0069 ppm
Concentration per Run	41.4693 ppm	3.2855 ppm	0.0395 ppm	12.2592 ppm	0.2221 ppm	1.6955 ppm	0.0097 ppm
Concentration RSD	0.3 %	0.0 %	1.6 %	1.4 %	0.4 %	0.3 %	18.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0101 ppm	10.2768 ppm	0.4077 ppm	0.1905 ppm	3.3497 ppm	0.0009 ppm	0.2380 ppm
Concentration per Run	0.0089 ppm	10.1593 ppm	0.4093 ppm	0.1909 ppm	3.3512 ppm	0.0002 ppm	0.2370 ppm
Concentration per Run	0.0093 ppm	10.2904 ppm	0.4076 ppm	0.1900 ppm	3.3635 ppm	0.0013 ppm	0.2385 ppm
Concentration per Run	0.0121 ppm	10.3806 ppm	0.4062 ppm	0.1906 ppm	3.3345 ppm	0.0011 ppm	0.2385 ppm
Concentration RSD	17.1 %	1.1 %	0.4 %	0.2 %	0.4 %	66.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6003 ppm	102.9888 %	104.4008 %	95.5935 %	118.3009 %	122.5103 %	117.4047 %
Concentration per Run	1.6009 ppm	102.5081 %	104.5193 %	96.0135 %	117.6991 %	122.2516 %	117.5608 %
Concentration per Run	1.6042 ppm	102.8154 %	104.2737 %	94.9725 %	118.3804 %	122.3999 %	116.8025 %
Concentration per Run	1.5958 ppm	103.6429 %	104.4095 %	95.7946 %	118.8231 %	122.8794 %	117.8507 %
Concentration RSD	0.3 %	0.6 %	0.1 %	0.6 %	0.5 %	0.3 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample:

Analysis started at: 9/11/2025 11:57:17 AM

Comment

Rack Number

0

Vial Numbers

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5028 ppm	0.4743 ppm	0.4870 ppm	0.4876 ppm	0.4873 ppm	0.5034 ppm	0.4932 ppm
Concentration per Run	0.5008 ppm	0.4783 ppm	0.4900 ppm	0.4846 ppm	0.4891 ppm	0.5061 ppm	0.4922 ppm
Concentration per Run	0.5022 ppm	0.4629 ppm	0.4863 ppm	0.4874 ppm	0.4833 ppm	0.4993 ppm	0.4950 ppm
Concentration per Run	0.5055 ppm	0.4815 ppm	0.4848 ppm	0.4908 ppm	0.4895 ppm	0.5048 ppm	0.4924 ppm
Recovery Percentage	100.568 %	94.851 %	97.408 %	97.520 %	97.458 %	100.686 %	98.639 %
Concentration RSD	0.5 %	2.1 %	0.5 %	0.6 %	0.7 %	0.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5159 ppm	0.5041 ppm	0.5068 ppm	0.5186 ppm	0.5002 ppm	5.0837 ppm	0.5018 ppm
Concentration per Run	0.5116 ppm	0.5013 ppm	0.5041 ppm	0.5175 ppm	0.5056 ppm	5.1056 ppm	0.5077 ppm
Concentration per Run	0.5158 ppm	0.5069 ppm	0.5091 ppm	0.5208 ppm	0.4962 ppm	5.0449 ppm	0.4945 ppm
Concentration per Run	0.5204 ppm	0.5041 ppm	0.5070 ppm	0.5174 ppm	0.4989 ppm	5.1005 ppm	0.5032 ppm
Recovery Percentage	103.183 %	100.817 %	101.352 %	103.718 %	100.048 %	101.673 %	100.358 %
Concentration RSD	0.9 %	0.6 %	0.5 %	0.4 %	1.0 %	0.7 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5230 ppm	0.5023 ppm	0.4892 ppm	10.1561 ppm	0.5105 ppm	0.5062 ppm	0.5154 ppm
Concentration per Run	0.5180 ppm	0.5052 ppm	0.4872 ppm	10.2012 ppm	0.5087 ppm	0.5052 ppm	0.5160 ppm
Concentration per Run	0.5235 ppm	0.4880 ppm	0.4905 ppm	10.1424 ppm	0.5115 ppm	0.5069 ppm	0.5130 ppm
Concentration per Run	0.5274 ppm	0.5010 ppm	0.4925 ppm	10.1246 ppm	0.5113 ppm	0.5063 ppm	0.5174 ppm
Recovery Percentage	104.595 %	100.453 %	97.841 %	101.561 %	102.099 %	101.232 %	103.089 %
Concentration RSD	0.9 %	0.5 %	0.6 %	0.4 %	0.3 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4864 ppm	5.4098 ppm	0.4980 ppm	0.4958 ppm	0.5100 ppm	0.5021 ppm	0.5111 ppm
Concentration per Run	0.4887 ppm	5.3609 ppm	0.4916 ppm	0.4988 ppm	0.5063 ppm	0.5043 ppm	0.5094 ppm
Concentration per Run	0.4865 ppm	5.4161 ppm	0.4977 ppm	0.4905 ppm	0.5088 ppm	0.5039 ppm	0.5113 ppm
Concentration per Run	0.4840 ppm	5.4524 ppm	0.5046 ppm	0.4980 ppm	0.5148 ppm	0.4980 ppm	0.5129 ppm
Recovery Percentage	97.280 %	103.044 %	99.591 %	99.158 %	101.992 %	100.413 %	102.226 %
Concentration RSD	0.5 %	0.9 %	1.3 %	0.9 %	0.9 %	0.7 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4989 ppm	100.2004 %	99.5858 %	98.3531 %	98.5906 %	99.3439 %	96.9768 %
Concentration per Run	0.4940 ppm	101.2346 %	99.2619 %	98.8921 %	99.6859 %	99.1990 %	97.1749 %
Concentration per Run	0.5001 ppm	100.0266 %	98.3831 %	98.3831 %	98.3365 %	99.4652 %	97.4047 %
Concentration per Run	0.5026 ppm	99.3401 %	99.6554 %	97.7841 %	97.7493 %	99.3674 %	96.3507 %
Recovery Percentage	99.778 %	1.0 %	0.3 %	0.6 %	1.0 %	0.1 %	0.6 %
Concentration RSD	0.9 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCB

Sample: 9/11/2025 11:59:22 AM

Analysis started at:

Comment: <Comment>

Rack Number

Vial Numbers

0

4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0029 ppm	0.0006 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0039 ppm
Concentration per Run	-0.0003 ppm	-0.0003 ppm	-0.0050 ppm	0.0010 ppm	-0.0003 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run	-0.0001 ppm	0.0036 ppm	0.0014 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	-0.0059 ppm
Concentration per Run	-0.0003 ppm	-0.0073 ppm	0.0009 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	-0.0032 ppm
Recovery Percentage	-3.700 %	-2.909 %	12.807 %	3.799 %	-1.149 %	0.250 %	-3.865 %
Concentration RSD	51.3 %	196.8 %	138.1 %	150.0 %	176.9 %	60.2 %	47.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0007 ppm	-0.0003 ppm	0.0000 ppm	0.0027 ppm	-0.0189 ppm	0.0006 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0004 ppm	0.0025 ppm	-0.0105 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0011 ppm	-0.0005 ppm	0.0000 ppm	0.0034 ppm	-0.0328 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0000 ppm	-0.0004 ppm	0.0022 ppm	-0.0133 ppm	0.0021 ppm
Recovery Percentage	1.361 %	3.345 %	-2.875 %	0.185 %	5.392 %	-0.755 %	11.583 %
Concentration RSD	94.2 %	74.8 %	98.9 %	1,975.3 %	24.8 %	64.5 %	224.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0012 ppm	0.0000 ppm	-0.0001 ppm	-0.0107 ppm	-0.0007 ppm	0.0004 ppm	0.0015 ppm
Concentration per Run	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0116 ppm	-0.0013 ppm	0.0035 ppm	0.0035 ppm
Concentration per Run	-0.0015 ppm	0.0001 ppm	-0.0002 ppm	-0.0083 ppm	-0.0008 ppm	0.0028 ppm	0.0028 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	-0.0003 ppm	-0.0121 ppm	0.0000 ppm	0.0003 ppm	-0.0020 ppm
Recovery Percentage	-1.236 %	-0.064 %	-0.279 %	-0.533 %	-2.786 %	4.273 %	2.902 %
Concentration RSD	69.1 %	1,821.8 %	110.4 %	19.4 %	88.3 %	29.2 %	207.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	0.0039 ppm	0.0013 ppm	-0.0001 ppm	-0.0011 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0043 ppm	0.0002 ppm	-0.0001 ppm	-0.0011 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0011 ppm	0.0022 ppm	0.0013 ppm	-0.0001 ppm	-0.0011 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0043 ppm	0.0051 ppm	0.0023 ppm	0.0000 ppm	-0.0012 ppm	0.0017 ppm	-0.0002 ppm
Recovery Percentage	18.605 %	0.771 %	2.554 %	-0.614 %	-11.397 %	5.235 %	-1.473 %
Concentration RSD	117.1 %	39.5 %	82.2 %	102.0 %	50.0 %	54.1 %	59.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	98.5510 %	97.1262 %	97.2333 %	99.3835 %	98.9139 %	97.5333 %
Concentration per Run	0.0000 ppm	98.8668 %	97.4293 %	97.2840 %	99.9089 %	98.9480 %	97.3267 %
Concentration per Run	0.0001 ppm	98.0635 %	96.7443 %	96.6728 %	99.4285 %	98.9472 %	97.1536 %
Concentration per Run	0.0002 ppm	98.7228 %	97.2050 %	97.7430 %	98.8131 %	98.8466 %	98.1195 %
Recovery Percentage	1.378 %	0.4 %	0.4 %	0.6 %	0.6 %	0.1 %	0.5 %
Concentration RSD	119.9 %	0.4 %	0.4 %	0.6 %	0.6 %	0.1 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554192-01d20 WG2111349

Analysis started at: 9/11/2025 1:02:47 PM

Comment <Comment>

Rack Number 1

Vial Numbers 35

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	31.6447 ppm	0.0057 ppm	0.0340 ppm	0.3511 ppm	0.0038 ppm	263.8944 ppm
Concentration per Run	-0.0009 ppm	31.2968 ppm	0.0051 ppm	0.0345 ppm	0.3469 ppm	0.0038 ppm	262.5989 ppm
Concentration per Run	-0.0004 ppm	31.7966 ppm	0.0073 ppm	0.0335 ppm	0.3546 ppm	0.0039 ppm	264.1011 ppm
Concentration per Run	-0.0004 ppm	31.8407 ppm	0.0048 ppm	0.0341 ppm	0.3518 ppm	0.0039 ppm	264.9833 ppm
Concentration RSD	49.4 %	1.0 %	24.4 %	1.4 %	1.1 %	1.3 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0024 ppm	0.0023 ppm	0.1344 ppm	0.0252 ppm	21.4600 ppm	1.4387 ppm	0.0310 ppm
Concentration per Run	-0.0024 ppm	0.0018 ppm	0.1344 ppm	0.0251 ppm	21.3244 ppm	1.4160 ppm	0.0335 ppm
Concentration per Run	-0.0026 ppm	0.0026 ppm	0.1346 ppm	0.0251 ppm	21.5688 ppm	1.4491 ppm	0.0294 ppm
Concentration per Run	-0.0023 ppm	0.0024 ppm	0.1342 ppm	0.0253 ppm	21.4866 ppm	1.4509 ppm	0.0299 ppm
Concentration RSD	5.1 %	17.7 %	0.1 %	0.5 %	0.6 %	1.4 %	7.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.9768 ppm	5.1742 ppm	0.0014 ppm	0.7985 ppm	0.0168 ppm	0.0250 ppm	0.0008 ppm
Concentration per Run	10.9403 ppm	5.1485 ppm	0.0009 ppm	0.7964 ppm	0.0155 ppm	0.0251 ppm	-0.0010 ppm
Concentration per Run	10.9574 ppm	5.1943 ppm	0.0019 ppm	0.7977 ppm	0.0176 ppm	0.0256 ppm	0.0000 ppm
Concentration per Run	11.0327 ppm	5.1798 ppm	0.0013 ppm	0.8014 ppm	0.0171 ppm	0.0242 ppm	0.0033 ppm
Concentration RSD	0.4 %	0.5 %	36.7 %	0.3 %	6.5 %	3.0 %	283.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	5.2656 ppm	0.0023 ppm	0.4941 ppm	0.6060 ppm	-0.0004 ppm	0.0611 ppm
Concentration per Run	-0.0003 ppm	5.2757 ppm	0.0032 ppm	0.4912 ppm	0.6024 ppm	0.0001 ppm	0.0610 ppm
Concentration per Run	0.0027 ppm	5.2678 ppm	0.0013 ppm	0.4975 ppm	0.6036 ppm	-0.0016 ppm	0.0608 ppm
Concentration per Run	0.0065 ppm	5.2531 ppm	0.0024 ppm	0.4936 ppm	0.6121 ppm	0.0003 ppm	0.0617 ppm
Concentration RSD	114.8 %	0.2 %	40.4 %	0.6 %	0.9 %	270.3 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.9175 ppm	97.3681 %	99.7573 %	91.1372 %	99.3681 %	105.0034 %	99.3700 %
Concentration per Run	0.9173 ppm	96.8389 %	99.3852 %	90.6006 %	98.4771 %	104.4675 %	98.7088 %
Concentration per Run	0.9169 ppm	96.9711 %	100.0503 %	91.4182 %	98.9007 %	105.8914 %	99.9131 %
Concentration per Run	0.9184 ppm	98.2942 %	99.8364 %	91.3928 %	100.7266 %	104.6514 %	99.4882 %
Concentration RSD	0.1 %	0.8 %	0.3 %	0.5 %	1.2 %	0.7 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554192-06d8 WG2111349

Analysis started at: 9/11/2025 1:05:03 PM

Comment <Comment>

Rack Number 1

Vial Numbers 36

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	111.8849 ppm	0.0102 ppm	0.1335 ppm	0.9090 ppm	0.0139 ppm	520.1110 ppm
Concentration per Run	0.0000 ppm	111.9351 ppm	0.0095 ppm	0.1329 ppm	0.9065 ppm	0.0139 ppm	520.7560 ppm
Concentration per Run	0.0005 ppm	111.7252 ppm	0.0104 ppm	0.1309 ppm	0.9108 ppm	0.0138 ppm	518.6413 ppm
Concentration per Run	-0.0003 ppm	111.9944 ppm	0.0107 ppm	0.1366 ppm	0.9097 ppm	0.0140 ppm	520.9358 ppm
Concentration RSD	464.6 %	0.1 %	5.6 %	2.2 %	0.2 %	0.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0027 ppm	0.0042 ppm	0.1379 ppm	0.0693 ppm	66.1126 ppm	5.8993 ppm	0.0717 ppm
Concentration per Run	-0.0027 ppm	0.0042 ppm	0.1365 ppm	0.0690 ppm	66.4405 ppm	5.8385 ppm	0.0762 ppm
Concentration per Run	-0.0028 ppm	0.0041 ppm	0.1388 ppm	0.0699 ppm	66.3225 ppm	5.9314 ppm	0.0708 ppm
Concentration per Run	-0.0027 ppm	0.0043 ppm	0.1384 ppm	0.0689 ppm	65.5750 ppm	5.9279 ppm	0.0682 ppm
Concentration RSD	2.5 %	2.2 %	0.9 %	0.7 %	0.7 %	0.9 %	5.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	51.3051 ppm	12.4174 ppm	0.0061 ppm	2.8671 ppm	0.0365 ppm	0.2844 ppm	-0.0013 ppm
Concentration per Run	50.8750 ppm	12.4251 ppm	0.0059 ppm	2.8372 ppm	0.0359 ppm	0.2817 ppm	0.0022 ppm
Concentration per Run	51.2831 ppm	12.4129 ppm	0.0062 ppm	2.8717 ppm	0.0361 ppm	0.2834 ppm	-0.0026 ppm
Concentration per Run	51.7572 ppm	12.4143 ppm	0.0063 ppm	2.8925 ppm	0.0375 ppm	0.2881 ppm	-0.0036 ppm
Concentration RSD	0.9 %	0.1 %	3.3 %	1.0 %	2.4 %	1.2 %	232.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0055 ppm	2.2122 ppm	0.0088 ppm	1.1991 ppm	1.4591 ppm	-0.0031 ppm	0.0287 ppm
Concentration per Run	0.0062 ppm	2.2076 ppm	0.0085 ppm	1.1974 ppm	1.4489 ppm	-0.0029 ppm	0.0283 ppm
Concentration per Run	0.0042 ppm	2.2180 ppm	0.0091 ppm	1.2017 ppm	1.4580 ppm	-0.0040 ppm	0.0290 ppm
Concentration per Run	0.0061 ppm	2.2110 ppm	0.0087 ppm	1.1982 ppm	1.4704 ppm	-0.0024 ppm	0.0286 ppm
Concentration RSD	20.8 %	0.2 %	3.4 %	0.2 %	0.7 %	26.1 %	1.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	13.6789 ppm	97.4475 %	101.4550 %	89.0924 %	108.5748 %	116.2367 %	109.2821 %
Concentration per Run	13.5876 ppm	98.0747 %	101.3016 %	89.0692 %	109.1155 %	114.7333 %	108.9667 %
Concentration per Run	13.7274 ppm	96.8106 %	101.8098 %	89.2271 %	107.7765 %	117.0033 %	109.4201 %
Concentration per Run	13.7218 ppm	97.4571 %	101.2536 %	88.9808 %	108.8323 %	116.9735 %	109.4596 %
Concentration RSD	0.6 %	0.6 %	0.3 %	0.1 %	0.6 %	1.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-04d2 WG2111349

Analysis started at: 9/11/2025 1:07:08 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 37

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	117.9772 ppm	0.0170 ppm	0.0033 ppm	0.9328 ppm	0.0033 ppm	14.6253 ppm
Concentration per Run	0.0007 ppm	118.0800 ppm	0.0174 ppm	0.0042 ppm	0.9331 ppm	0.0034 ppm	14.6317 ppm
Concentration per Run	0.0002 ppm	117.6201 ppm	0.0177 ppm	0.0022 ppm	0.9316 ppm	0.0032 ppm	14.5673 ppm
Concentration per Run	0.0001 ppm	118.2315 ppm	0.0158 ppm	0.0035 ppm	0.9336 ppm	0.0033 ppm	14.6768 ppm
Concentration RSD	108.5 %	0.3 %	6.3 %	31.9 %	0.1 %	3.7 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0574 ppm	0.1787 ppm	0.1926 ppm	166.8834 ppm	21.8027 ppm	0.0610 ppm
Concentration per Run	0.0005 ppm	0.0568 ppm	0.1783 ppm	0.1918 ppm	166.2040 ppm	21.8629 ppm	0.0595 ppm
Concentration per Run	0.0006 ppm	0.0573 ppm	0.1793 ppm	0.1928 ppm	167.3272 ppm	21.7547 ppm	0.0608 ppm
Concentration per Run	0.0005 ppm	0.0581 ppm	0.1785 ppm	0.1932 ppm	167.1188 ppm	21.7906 ppm	0.0629 ppm
Concentration RSD	10.2 %	1.1 %	0.3 %	0.4 %	0.4 %	0.3 %	2.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	33.2262 ppm	3.1399 ppm	0.0016 ppm	0.7113 ppm	0.1327 ppm	0.0438 ppm	-0.0014 ppm
Concentration per Run	33.1898 ppm	3.1512 ppm	0.0013 ppm	0.7225 ppm	0.1322 ppm	0.0432 ppm	-0.0017 ppm
Concentration per Run	33.5392 ppm	3.1243 ppm	0.0018 ppm	0.7062 ppm	0.1329 ppm	0.0443 ppm	-0.0029 ppm
Concentration per Run	32.9496 ppm	3.1442 ppm	0.0017 ppm	0.7051 ppm	0.1330 ppm	0.0439 ppm	0.0003 ppm
Concentration RSD	0.9 %	0.4 %	18.0 %	1.4 %	0.3 %	1.2 %	114.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0009 ppm	11.2673 ppm	0.0108 ppm	0.0731 ppm	7.6739 ppm	0.0004 ppm	0.2684 ppm
Concentration per Run	-0.0051 ppm	11.2517 ppm	0.0081 ppm	0.0735 ppm	7.6835 ppm	0.0010 ppm	0.2680 ppm
Concentration per Run	0.0021 ppm	11.3128 ppm	0.0124 ppm	0.0730 ppm	7.7329 ppm	-0.0009 ppm	0.2690 ppm
Concentration per Run	0.0003 ppm	11.2375 ppm	0.0119 ppm	0.0728 ppm	7.6053 ppm	0.0012 ppm	0.2681 ppm
Concentration RSD	417.3 %	0.4 %	22.0 %	0.5 %	0.8 %	270.0 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3556 ppm	104.1231 %	106.1368 %	97.0051 %	127.0972 %	132.4037 %	127.5774 %
Concentration per Run	0.3555 ppm	103.9568 %	105.6917 %	97.3230 %	126.6538 %	134.7028 %	127.6849 %
Concentration per Run	0.3555 ppm	103.4785 %	106.1626 %	97.2457 %	126.8761 %	130.7515 %	128.2010 %
Concentration per Run	0.3559 ppm	104.9339 %	106.5562 %	96.4466 %	127.7618 %	131.7569 %	126.8462 %
Concentration RSD	0.1 %	0.7 %	0.4 %	0.5 %	0.5 %	1.6 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-0562 WG2111349

Analysis started at: 9/11/2025 1:09:13 PM

Comment <Comment>

Rack Number 1

Vial Numbers 38

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0009 ppm	159.3743 ppm	0.0280 ppm	0.0066 ppm	0.8423 ppm	0.0053 ppm	17.3735 ppm
Concentration per Run	0.0006 ppm	159.2076 ppm	0.0266 ppm	0.0083 ppm	0.8431 ppm	0.0053 ppm	17.3648 ppm
Concentration per Run	0.0011 ppm	159.2551 ppm	0.0301 ppm	0.0063 ppm	0.8426 ppm	0.0054 ppm	17.3983 ppm
Concentration per Run	0.0010 ppm	159.6603 ppm	0.0273 ppm	0.0053 ppm	0.8410 ppm	0.0053 ppm	17.3573 ppm
Concentration RSD	31.4 %	0.2 %	6.6 %	22.7 %	0.1 %	0.5 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0021 ppm	0.0747 ppm	0.0742 ppm	0.1471 ppm	205.3030 ppm	8.0284 ppm	0.1057 ppm
Concentration per Run	0.0023 ppm	0.0742 ppm	0.0742 ppm	0.1459 ppm	204.6301 ppm	8.0070 ppm	0.1065 ppm
Concentration per Run	0.0020 ppm	0.0744 ppm	0.0744 ppm	0.1477 ppm	205.6182 ppm	8.0471 ppm	0.1052 ppm
Concentration per Run	0.0021 ppm	0.0755 ppm	0.0755 ppm	0.1478 ppm	205.6608 ppm	8.0311 ppm	0.1054 ppm
Concentration RSD	8.0 %	0.9 %	0.5 %	0.7 %	0.3 %	0.3 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	37.2121 ppm	3.7280 ppm	0.0037 ppm	0.4895 ppm	0.1334 ppm	0.1770 ppm	0.0011 ppm
Concentration per Run	36.6596 ppm	3.7309 ppm	0.0035 ppm	0.4840 ppm	0.1316 ppm	0.1766 ppm	-0.0048 ppm
Concentration per Run	37.8946 ppm	3.7271 ppm	0.0038 ppm	0.4923 ppm	0.1343 ppm	0.1771 ppm	0.0063 ppm
Concentration per Run	37.2821 ppm	3.7258 ppm	0.0036 ppm	0.4921 ppm	0.1343 ppm	0.1772 ppm	0.0017 ppm
Concentration RSD	1.4 %	0.1 %	4.8 %	1.0 %	1.2 %	0.2 %	518.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	10.5382 ppm	0.0134 ppm	0.1776 ppm	7.3793 ppm	-0.0010 ppm	0.3089 ppm
Concentration per Run	0.0036 ppm	10.4628 ppm	0.0124 ppm	0.1774 ppm	7.2990 ppm	-0.0019 ppm	0.3068 ppm
Concentration per Run	0.0074 ppm	10.5873 ppm	0.0133 ppm	0.1778 ppm	7.4446 ppm	-0.0007 ppm	0.3106 ppm
Concentration per Run	0.0010 ppm	10.5644 ppm	0.0144 ppm	0.1775 ppm	7.3942 ppm	-0.0004 ppm	0.3093 ppm
Concentration RSD	79.9 %	0.6 %	7.6 %	0.1 %	1.0 %	83.1 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4925 ppm	102.7526 %	104.8604 %	95.6159 %	128.6147 %	134.5745 %	129.9321 %
Concentration per Run	0.4878 ppm	103.8826 %	104.8484 %	95.7370 %	129.8629 %	134.2861 %	130.4020 %
Concentration per Run	0.4941 ppm	101.5591 %	105.0503 %	95.3419 %	127.1209 %	133.8331 %	129.1626 %
Concentration per Run	0.4957 ppm	102.8161 %	104.6824 %	95.7689 %	128.8603 %	135.6043 %	130.2319 %
Concentration RSD	0.8 %	1.1 %	0.2 %	0.2 %	1.1 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-06d2 WG2111349

Analysis started at: 9/11/2025 1:11:18 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 39

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	153.0079 ppm	0.0205 ppm	0.0027 ppm	0.8535 ppm	0.0043 ppm	14.6177 ppm
Concentration per Run	0.0007 ppm	152.9430 ppm	0.0206 ppm	0.0024 ppm	0.8539 ppm	0.0042 ppm	14.6095 ppm
Concentration per Run	-0.0001 ppm	153.1162 ppm	0.0193 ppm	0.0023 ppm	0.8542 ppm	0.0043 ppm	14.6257 ppm
Concentration per Run	0.0002 ppm	152.9644 ppm	0.0216 ppm	0.0034 ppm	0.8526 ppm	0.0044 ppm	14.6178 ppm
Concentration RSD	172.0 %	0.1 %	5.8 %	23.1 %	0.1 %	1.7 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0015 ppm	0.1025 ppm	0.2156 ppm	0.1764 ppm	230.3947 ppm	24.3515 ppm	0.1294 ppm
Concentration per Run	0.0014 ppm	0.1028 ppm	0.2156 ppm	0.1766 ppm	231.3054 ppm	24.2916 ppm	0.1299 ppm
Concentration per Run	0.0014 ppm	0.1023 ppm	0.2157 ppm	0.1767 ppm	229.7687 ppm	24.3978 ppm	0.1288 ppm
Concentration per Run	0.0015 ppm	0.1023 ppm	0.2154 ppm	0.1761 ppm	230.1100 ppm	24.3652 ppm	0.1296 ppm
Concentration RSD	5.1 %	0.3 %	0.1 %	0.2 %	0.4 %	0.2 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	50.6481 ppm	5.6365 ppm	0.0015 ppm	0.5182 ppm	0.1586 ppm	0.0717 ppm	-0.0046 ppm
Concentration per Run	50.6948 ppm	5.6324 ppm	0.0021 ppm	0.5129 ppm	0.1596 ppm	0.0698 ppm	-0.0046 ppm
Concentration per Run	50.5876 ppm	5.6395 ppm	0.0012 ppm	0.5213 ppm	0.1577 ppm	0.0730 ppm	-0.0052 ppm
Concentration per Run	50.6619 ppm	5.6376 ppm	0.0011 ppm	0.5203 ppm	0.1585 ppm	0.0721 ppm	-0.0039 ppm
Concentration RSD	0.1 %	0.1 %	38.8 %	0.9 %	0.6 %	2.3 %	14.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	7.4031 ppm	0.0128 ppm	0.1030 ppm	8.4846 ppm	-0.0003 ppm	0.2998 ppm
Concentration per Run	0.0020 ppm	7.3870 ppm	0.0124 ppm	0.1032 ppm	8.4957 ppm	0.0002 ppm	0.2993 ppm
Concentration per Run	-0.0006 ppm	7.4161 ppm	0.0134 ppm	0.1030 ppm	8.4591 ppm	-0.0006 ppm	0.2994 ppm
Concentration per Run	0.0048 ppm	7.4052 ppm	0.0125 ppm	0.1030 ppm	8.4992 ppm	-0.0006 ppm	0.3006 ppm
Concentration RSD	128.9 %	0.2 %	4.3 %	0.1 %	0.3 %	139.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4630 ppm	104.2644 %	105.8101 %	96.1177 %	123.8870 %	129.8593 %	124.5118 %
Concentration per Run	0.4633 ppm	104.0241 %	106.9723 %	96.1572 %	123.4751 %	130.2101 %	124.5770 %
Concentration per Run	0.4640 ppm	103.9900 %	105.7259 %	96.8239 %	123.4197 %	130.6815 %	125.2148 %
Concentration per Run	0.4617 ppm	104.7791 %	104.7319 %	95.3719 %	124.7662 %	128.6864 %	123.7436 %
Concentration RSD	0.3 %	0.4 %	1.1 %	0.8 %	0.6 %	0.8 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-07d2 WG2111349

Analysis started at: 9/11/2025 1:13:22 PM

Comment <Comment>

Rack Number 1

Vial Numbers 40

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0011 ppm	150.2075 ppm	0.0288 ppm	0.0033 ppm	0.6119 ppm	0.0037 ppm	5.9817 ppm
Concentration per Run	0.0010 ppm	150.1630 ppm	0.0265 ppm	0.0010 ppm	0.6114 ppm	0.0038 ppm	5.9815 ppm
Concentration per Run	0.0010 ppm	150.2969 ppm	0.0262 ppm	0.0049 ppm	0.6134 ppm	0.0037 ppm	5.9934 ppm
Concentration per Run	0.0014 ppm	150.1625 ppm	0.0246 ppm	0.0040 ppm	0.6108 ppm	0.0036 ppm	5.9701 ppm
Concentration RSD	19.2 %	0.1 %	3.9 %	62.4 %	0.2 %	2.8 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0012 ppm	0.1007 ppm	0.2226 ppm	0.1739 ppm	229.6345 ppm	14.2097 ppm	0.1482 ppm
Concentration per Run	0.0011 ppm	0.0996 ppm	0.2220 ppm	0.1735 ppm	229.3455 ppm	14.2117 ppm	0.1474 ppm
Concentration per Run	0.0013 ppm	0.1015 ppm	0.2237 ppm	0.1740 ppm	228.9088 ppm	14.1740 ppm	0.1476 ppm
Concentration per Run	0.0012 ppm	0.1012 ppm	0.2221 ppm	0.1740 ppm	230.6490 ppm	14.2433 ppm	0.1497 ppm
Concentration RSD	7.5 %	1.0 %	0.4 %	0.2 %	0.4 %	0.2 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	48.1703 ppm	6.3754 ppm	0.0022 ppm	0.3911 ppm	0.1645 ppm	0.0932 ppm	-0.0022 ppm
Concentration per Run	48.2805 ppm	6.3796 ppm	0.0027 ppm	0.3881 ppm	0.1641 ppm	0.0923 ppm	-0.0011 ppm
Concentration per Run	47.8258 ppm	6.3770 ppm	0.0021 ppm	0.3889 ppm	0.1656 ppm	0.0937 ppm	-0.0021 ppm
Concentration per Run	48.4047 ppm	6.3695 ppm	0.0019 ppm	0.3963 ppm	0.1636 ppm	0.0935 ppm	-0.0033 ppm
Concentration RSD	0.6 %	0.1 %	17.7 %	1.1 %	0.6 %	0.8 %	50.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	7.6559 ppm	0.0109 ppm	0.0427 ppm	8.1633 ppm	0.0006 ppm	0.3317 ppm
Concentration per Run	-0.0003 ppm	7.6641 ppm	0.0110 ppm	0.0428 ppm	8.1841 ppm	-0.0006 ppm	0.3314 ppm
Concentration per Run	0.0002 ppm	7.6439 ppm	0.0098 ppm	0.0425 ppm	8.1008 ppm	0.0024 ppm	0.3314 ppm
Concentration per Run	0.0042 ppm	7.6597 ppm	0.0120 ppm	0.0426 ppm	8.2051 ppm	0.0001 ppm	0.3322 ppm
Concentration RSD	179.9 %	0.1 %	10.0 %	0.3 %	0.7 %	252.1 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4283 ppm	103.7005 %	105.2373 %	96.6793 %	113.8263 %	119.4513 %	115.3812 %
Concentration per Run	0.4267 ppm	103.9428 %	105.6084 %	96.7805 %	114.0495 %	121.8307 %	115.3973 %
Concentration per Run	0.4291 ppm	103.8433 %	104.9823 %	97.2328 %	113.7973 %	118.4295 %	116.0278 %
Concentration per Run	0.4292 ppm	103.3156 %	105.1212 %	96.0248 %	113.6320 %	118.0937 %	114.7187 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.6 %	0.2 %	1.7 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-0862 WG2111349

Analysis started at: 9/11/2025 1:15:28 PM

Comment <Comment>

Rack Number 1

Vial Numbers 41

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0014 ppm	141.9212 ppm	0.0291 ppm	0.0039 ppm	0.9216 ppm	0.0046 ppm	13.4406 ppm
Concentration per Run	0.0011 ppm	142.0700 ppm	0.0292 ppm	0.0028 ppm	0.9198 ppm	0.0045 ppm	13.4504 ppm
Concentration per Run	0.0010 ppm	141.9611 ppm	0.0301 ppm	0.0039 ppm	0.9268 ppm	0.0046 ppm	13.4302 ppm
Concentration per Run	0.0020 ppm	141.7325 ppm	0.0280 ppm	0.0049 ppm	0.9183 ppm	0.0046 ppm	13.4412 ppm
Concentration RSD	36.5 %	0.1 %	3.5 %	26.9 %	0.5 %	1.0 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0011 ppm	0.0800 ppm	0.2213 ppm	0.2536 ppm	239.0969 ppm	19.3963 ppm	0.1681 ppm
Concentration per Run	0.0010 ppm	0.0799 ppm	0.2207 ppm	0.2532 ppm	239.1665 ppm	19.3353 ppm	0.1701 ppm
Concentration per Run	0.0011 ppm	0.0806 ppm	0.2221 ppm	0.2536 ppm	238.6206 ppm	19.4620 ppm	0.1645 ppm
Concentration per Run	0.0011 ppm	0.0794 ppm	0.2211 ppm	0.2541 ppm	239.5037 ppm	19.3916 ppm	0.1699 ppm
Concentration RSD	4.0 %	0.8 %	0.3 %	0.2 %	0.2 %	0.3 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	44.6724 ppm	5.0143 ppm	0.0028 ppm	0.4563 ppm	0.1960 ppm	0.0902 ppm	-0.0019 ppm
Concentration per Run	44.7804 ppm	5.0178 ppm	0.0026 ppm	0.4576 ppm	0.1944 ppm	0.0902 ppm	-0.0017 ppm
Concentration per Run	44.7835 ppm	5.0187 ppm	0.0029 ppm	0.4577 ppm	0.1973 ppm	0.0896 ppm	-0.0037 ppm
Concentration per Run	44.4532 ppm	5.0065 ppm	0.0029 ppm	0.4536 ppm	0.1963 ppm	0.0908 ppm	-0.0003 ppm
Concentration RSD	0.4 %	0.1 %	5.5 %	0.5 %	0.7 %	0.7 %	90.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	7.5980 ppm	0.0098 ppm	0.0777 ppm	6.0643 ppm	-0.0012 ppm	0.2935 ppm
Concentration per Run	-0.0024 ppm	7.6021 ppm	0.0099 ppm	0.0778 ppm	6.0735 ppm	-0.0011 ppm	0.2936 ppm
Concentration per Run	0.0028 ppm	7.6151 ppm	0.0095 ppm	0.0778 ppm	6.0789 ppm	-0.0015 ppm	0.2936 ppm
Concentration per Run	0.0023 ppm	7.5768 ppm	0.0100 ppm	0.0774 ppm	6.0406 ppm	-0.0009 ppm	0.2933 ppm
Concentration RSD	317.4 %	0.3 %	2.9 %	0.3 %	0.3 %	24.2 %	0.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5015 ppm	104.1755 %	106.0334 %	96.6258 %	136.6422 %	141.7855 %	137.6490 %
Concentration per Run	0.5011 ppm	103.9885 %	106.5891 %	97.3109 %	136.3604 %	141.7572 %	138.4175 %
Concentration per Run	0.5034 ppm	104.0984 %	105.8672 %	95.7427 %	136.9090 %	143.1476 %	136.5629 %
Concentration per Run	0.5000 ppm	104.4396 %	105.6439 %	96.8237 %	136.6572 %	140.4518 %	137.9666 %
Concentration RSD	0.3 %	0.2 %	0.5 %	0.8 %	0.2 %	1.0 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-09d2 WG2111349

Analysis started at: 9/11/2025 1:17:32 PM

Comment <Comment>

Rack Number 1

Vial Numbers 42

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0006 ppm	151.3095 ppm	0.0219 ppm	0.0043 ppm	0.9181 ppm	0.0034 ppm	18.9090 ppm
Concentration per Run	0.0004 ppm	151.0810 ppm	0.0220 ppm	0.0046 ppm	0.9207 ppm	0.0034 ppm	18.9015 ppm
Concentration per Run	0.0006 ppm	151.4618 ppm	0.0225 ppm	0.0040 ppm	0.9213 ppm	0.0036 ppm	18.8842 ppm
Concentration per Run	0.0006 ppm	151.3858 ppm	0.0212 ppm	0.0044 ppm	0.9124 ppm	0.0033 ppm	18.9414 ppm
Concentration RSD	20.1 %	0.1 %	3.0 %	6.9 %	0.5 %	3.9 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.0929 ppm	0.3140 ppm	0.1441 ppm	231.6324 ppm	48.3993 ppm	0.1285 ppm
Concentration per Run	0.0010 ppm	0.0925 ppm	0.3120 ppm	0.1438 ppm	232.0891 ppm	48.3396 ppm	0.1294 ppm
Concentration per Run	0.0010 ppm	0.0916 ppm	0.3142 ppm	0.1441 ppm	230.5344 ppm	48.6667 ppm	0.1282 ppm
Concentration per Run	0.0011 ppm	0.0945 ppm	0.3159 ppm	0.1445 ppm	232.2737 ppm	48.1916 ppm	0.1279 ppm
Concentration RSD	4.8 %	1.6 %	0.6 %	0.3 %	0.4 %	0.5 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	61.7466 ppm	4.5940 ppm	0.0081 ppm	0.7902 ppm	0.1870 ppm	0.0814 ppm	-0.0036 ppm
Concentration per Run	61.6471 ppm	4.5901 ppm	0.0076 ppm	0.7877 ppm	0.1859 ppm	0.0815 ppm	-0.0009 ppm
Concentration per Run	61.8900 ppm	4.6093 ppm	0.0079 ppm	0.7981 ppm	0.1869 ppm	0.0810 ppm	-0.0041 ppm
Concentration per Run	61.7028 ppm	4.5827 ppm	0.0086 ppm	0.7849 ppm	0.1882 ppm	0.0817 ppm	-0.0060 ppm
Concentration RSD	0.2 %	0.3 %	6.2 %	0.9 %	0.6 %	0.5 %	70.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	10.6788 ppm	0.0190 ppm	0.0574 ppm	16.2234 ppm	0.0041 ppm	0.4351 ppm
Concentration per Run	0.0020 ppm	10.6739 ppm	0.0185 ppm	0.0577 ppm	16.2406 ppm	0.0042 ppm	0.4336 ppm
Concentration per Run	0.0007 ppm	10.6870 ppm	0.0210 ppm	0.0573 ppm	16.2786 ppm	0.0043 ppm	0.4360 ppm
Concentration per Run	0.0049 ppm	10.6756 ppm	0.0177 ppm	0.0571 ppm	16.1511 ppm	0.0039 ppm	0.4356 ppm
Concentration RSD	84.3 %	0.1 %	9.0 %	0.6 %	0.4 %	5.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5361 ppm	103.2193 %	105.6131 %	96.3234 %	123.9059 %	130.1408 %	124.8743 %
Concentration per Run	0.5348 ppm	103.2896 %	104.9533 %	96.7232 %	123.7669 %	129.3319 %	125.1335 %
Concentration per Run	0.5333 ppm	103.3741 %	105.3189 %	96.0293 %	124.2487 %	130.6985 %	124.2867 %
Concentration per Run	0.5404 ppm	102.9941 %	106.5669 %	96.2176 %	123.7020 %	130.3921 %	125.2028 %
Concentration RSD	0.7 %	0.2 %	0.8 %	0.4 %	0.2 %	0.6 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-10d2 WG2111349

Analysis started at: 9/11/2025 1:19:37 PM

Comment <Comment>

Rack Number 1

Vial Numbers 43

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	119.3828 ppm	0.0306 ppm	0.0069 ppm	0.8230 ppm	0.0044 ppm	25.9396 ppm
Concentration per Run	-0.0003 ppm	119.0464 ppm	0.0316 ppm	0.0072 ppm	0.8193 ppm	0.0044 ppm	25.8565 ppm
Concentration per Run	0.0005 ppm	119.6398 ppm	0.0308 ppm	0.0058 ppm	0.8248 ppm	0.0044 ppm	25.9999 ppm
Concentration per Run	0.0002 ppm	119.4621 ppm	0.0294 ppm	0.0076 ppm	0.8248 ppm	0.0043 ppm	25.9625 ppm
Concentration RSD	295.5 %	0.3 %	3.6 %	13.3 %	0.4 %	1.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0014 ppm	0.1263 ppm	0.2543 ppm	0.2288 ppm	214.0549 ppm	14.2524 ppm	0.1200 ppm
Concentration per Run	0.0017 ppm	0.1263 ppm	0.2536 ppm	0.2286 ppm	213.2874 ppm	14.2406 ppm	0.1180 ppm
Concentration per Run	0.0013 ppm	0.1256 ppm	0.2543 ppm	0.2293 ppm	214.2040 ppm	14.1938 ppm	0.1194 ppm
Concentration per Run	0.0013 ppm	0.1271 ppm	0.2552 ppm	0.2286 ppm	214.6733 ppm	14.3227 ppm	0.1228 ppm
Concentration RSD	14.9 %	0.6 %	0.3 %	0.2 %	0.3 %	0.5 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	50.6839 ppm	3.9808 ppm	0.0073 ppm	0.9368 ppm	0.1671 ppm	0.0983 ppm	-0.0020 ppm
Concentration per Run	50.4640 ppm	3.9671 ppm	0.0080 ppm	0.9357 ppm	0.1683 ppm	0.0999 ppm	-0.0002 ppm
Concentration per Run	50.8346 ppm	3.9885 ppm	0.0072 ppm	0.9349 ppm	0.1670 ppm	0.0971 ppm	-0.0036 ppm
Concentration per Run	50.7531 ppm	3.9868 ppm	0.0066 ppm	0.9397 ppm	0.1660 ppm	0.0978 ppm	-0.0023 ppm
Concentration RSD	0.4 %	0.3 %	9.5 %	0.3 %	0.7 %	1.5 %	84.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	12.7578 ppm	0.0117 ppm	0.0779 ppm	7.7051 ppm	-0.0015 ppm	0.3711 ppm
Concentration per Run	-0.0041 ppm	12.7476 ppm	0.0111 ppm	0.0780 ppm	7.6525 ppm	-0.0030 ppm	0.3703 ppm
Concentration per Run	0.0065 ppm	12.7951 ppm	0.0120 ppm	0.0779 ppm	7.7279 ppm	0.0000 ppm	0.3710 ppm
Concentration per Run	0.0036 ppm	12.7307 ppm	0.0120 ppm	0.0779 ppm	7.7349 ppm	-0.0015 ppm	0.3720 ppm
Concentration RSD	277.4 %	0.3 %	4.4 %	0.1 %	0.6 %	99.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4272 ppm	102.3108 %	103.4530 %	94.6656 %	127.5663 %	133.1280 %	127.9284 %
Concentration per Run	0.4269 ppm	102.3964 %	102.9416 %	94.6346 %	127.4281 %	133.0795 %	128.1394 %
Concentration per Run	0.4272 ppm	102.3135 %	104.1307 %	94.6033 %	127.9206 %	133.3780 %	127.7209 %
Concentration per Run	0.4276 ppm	102.2224 %	103.2867 %	94.7590 %	127.3503 %	132.9265 %	127.9247 %
Concentration RSD	0.1 %	0.1 %	0.6 %	0.1 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555532-02d2 WG2111349

Analysis started at: 9/11/2025 1:21:42 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 44

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	58.3674 ppm	0.0143 ppm	0.0137 ppm	1.7549 ppm	0.0022 ppm	75.5185 ppm
Concentration per Run	0.0003 ppm	58.2786 ppm	0.0143 ppm	0.0139 ppm	1.7659 ppm	0.0022 ppm	75.3243 ppm
Concentration per Run	0.0000 ppm	58.6611 ppm	0.0142 ppm	0.0121 ppm	1.7614 ppm	0.0023 ppm	75.8278 ppm
Concentration per Run	0.0000 ppm	58.1626 ppm	0.0143 ppm	0.0151 ppm	1.7375 ppm	0.0022 ppm	75.4034 ppm
Concentration RSD	181.7 %	0.4 %	0.4 %	10.7 %	0.9 %	1.9 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0478 ppm	0.0478 ppm	0.1687 ppm	105.2816 ppm	10.2055 ppm	0.0785 ppm
Concentration per Run	0.0009 ppm	0.0478 ppm	0.1306 ppm	0.1683 ppm	105.3534 ppm	10.2324 ppm	0.0786 ppm
Concentration per Run	0.0008 ppm	0.0475 ppm	0.1300 ppm	0.1684 ppm	105.6237 ppm	10.2017 ppm	0.0791 ppm
Concentration per Run	0.0008 ppm	0.0482 ppm	0.1314 ppm	0.1692 ppm	104.8676 ppm	10.1823 ppm	0.0788 ppm
Concentration RSD	3.4 %	0.7 %	0.6 %	0.3 %	0.4 %	0.2 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	41.3807 ppm	3.3647 ppm	0.0009 ppm	1.4496 ppm	0.1090 ppm	0.1716 ppm	0.0016 ppm
Concentration per Run	41.6418 ppm	3.3657 ppm	0.0011 ppm	1.4499 ppm	0.1093 ppm	0.1720 ppm	0.0001 ppm
Concentration per Run	41.4047 ppm	3.3780 ppm	0.0003 ppm	1.4824 ppm	0.1087 ppm	0.1698 ppm	0.0010 ppm
Concentration per Run	41.0956 ppm	3.3505 ppm	0.0014 ppm	1.4363 ppm	0.1091 ppm	0.1729 ppm	0.0037 ppm
Concentration RSD	0.7 %	0.4 %	61.5 %	0.9 %	0.3 %	0.9 %	117.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	8.3047 ppm	0.0126 ppm	0.3714 ppm	4.4046 ppm	0.0007 ppm	0.1613 ppm
Concentration per Run	0.0014 ppm	8.3216 ppm	0.0129 ppm	0.3745 ppm	4.4431 ppm	-0.0004 ppm	0.1617 ppm
Concentration per Run	0.0051 ppm	8.3149 ppm	0.0129 ppm	0.3714 ppm	4.4047 ppm	0.0016 ppm	0.1614 ppm
Concentration per Run	0.0039 ppm	8.2776 ppm	0.0120 ppm	0.3684 ppm	4.3661 ppm	0.0009 ppm	0.1607 ppm
Concentration RSD	54.2 %	0.3 %	4.3 %	0.8 %	0.9 %	142.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.8539 ppm	99.0692 %	100.8212 %	93.5009 %	107.3003 %	110.7214 %	107.5529 %
Concentration per Run	0.8524 ppm	99.4103 %	100.8195 %	93.2874 %	108.0822 %	111.1400 %	107.1670 %
Concentration per Run	0.8524 ppm	99.5239 %	100.5926 %	93.2385 %	107.4954 %	111.2928 %	107.3453 %
Concentration per Run	0.8570 ppm	98.2736 %	101.0514 %	93.9767 %	106.3232 %	109.7313 %	108.1465 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.4 %	0.8 %	0.8 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 1:23:47 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5040 ppm	0.4887 ppm	0.4842 ppm	0.4848 ppm	0.4937 ppm	0.5081 ppm	0.4952 ppm
Concentration per Run	0.5045 ppm	0.4815 ppm	0.4847 ppm	0.4858 ppm	0.4949 ppm	0.5108 ppm	0.4965 ppm
Concentration per Run	0.5039 ppm	0.4922 ppm	0.4831 ppm	0.4833 ppm	0.4926 ppm	0.5086 ppm	0.4947 ppm
Concentration per Run	0.5035 ppm	0.4923 ppm	0.4847 ppm	0.4853 ppm	0.4935 ppm	0.5049 ppm	0.4945 ppm
Recovery Percentage	100.794 %	97.734 %	96.836 %	96.960 %	98.730 %	101.622 %	99.048 %
Concentration RSD	0.1 %	1.3 %	0.2 %	0.3 %	0.2 %	0.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5129 ppm	0.5069 ppm	0.5096 ppm	0.5205 ppm	0.5039 ppm	5.1332 ppm	0.5162 ppm
Concentration per Run	0.5140 ppm	0.5062 ppm	0.5108 ppm	0.5226 ppm	0.5071 ppm	5.1406 ppm	0.5249 ppm
Concentration per Run	0.5115 ppm	0.5089 ppm	0.5084 ppm	0.5185 ppm	0.5062 ppm	5.1405 ppm	0.5137 ppm
Concentration per Run	0.5132 ppm	0.5085 ppm	0.5114 ppm	0.5203 ppm	0.4984 ppm	5.1186 ppm	0.5102 ppm
Recovery Percentage	102.578 %	101.374 %	101.911 %	104.094 %	100.782 %	102.665 %	103.248 %
Concentration RSD	0.2 %	0.3 %	0.5 %	0.4 %	0.9 %	0.2 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5185 ppm	0.5071 ppm	0.4861 ppm	10.0886 ppm	0.5159 ppm	0.5055 ppm	0.5130 ppm
Concentration per Run	0.5204 ppm	0.5074 ppm	0.4876 ppm	10.0898 ppm	0.5181 ppm	0.5070 ppm	0.5169 ppm
Concentration per Run	0.5199 ppm	0.5083 ppm	0.4855 ppm	10.0246 ppm	0.5146 ppm	0.5026 ppm	0.5120 ppm
Concentration per Run	0.5152 ppm	0.5055 ppm	0.4852 ppm	10.0913 ppm	0.5150 ppm	0.5070 ppm	0.5101 ppm
Recovery Percentage	103.700 %	101.411 %	97.225 %	100.686 %	103.178 %	101.107 %	102.602 %
Concentration RSD	0.6 %	0.3 %	0.3 %	0.4 %	0.4 %	0.5 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4800 ppm	5.4189 ppm	0.4963 ppm	0.5051 ppm	0.5112 ppm	0.4960 ppm	0.5129 ppm
Concentration per Run	0.4772 ppm	5.4253 ppm	0.4972 ppm	0.5074 ppm	0.5111 ppm	0.4952 ppm	0.5130 ppm
Concentration per Run	0.4841 ppm	5.4137 ppm	0.4965 ppm	0.5039 ppm	0.5107 ppm	0.4952 ppm	0.5121 ppm
Concentration per Run	0.4786 ppm	5.4176 ppm	0.4952 ppm	0.5039 ppm	0.5117 ppm	0.4977 ppm	0.5137 ppm
Recovery Percentage	95.996 %	103.217 %	99.262 %	101.018 %	102.234 %	99.206 %	102.588 %
Concentration RSD	0.8 %	0.1 %	0.2 %	0.4 %	0.1 %	0.3 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4994 ppm	99.0983 %	97.8187 %	97.8187 %	97.3546 %	97.1094 %	96.9679 %
Concentration per Run	0.5000 ppm	99.2792 %	97.7866 %	97.5588 %	98.1357 %	97.8794 %	96.4192 %
Concentration per Run	0.4978 ppm	99.2722 %	97.7748 %	98.3348 %	97.2934 %	97.5556 %	97.5556 %
Concentration per Run	0.5003 ppm	98.7436 %	98.4652 %	97.5626 %	96.6346 %	96.9868 %	96.9290 %
Recovery Percentage	99.875 %						
Concentration RSD	0.3 %	0.3 %	0.4 %	0.5 %	0.8 %	0.7 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 1:25:52 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0078 ppm	0.0009 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run	-0.0003 ppm	-0.0134 ppm	0.0004 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	-0.0030 ppm
Concentration per Run	-0.0006 ppm	-0.0092 ppm	0.0025 ppm	0.0015 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	-0.0004 ppm	-0.0007 ppm	-0.0003 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0030 ppm
Recovery Percentage	-6.095 %	-7.753 %	17.616 %	3.981 %	-0.809 %	0.524 %	-2.520 %
Concentration RSD	29.2 %	83.8 %	167.2 %	26.8 %	59.7 %	23.7 %	34.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0002 ppm	0.0030 ppm	-0.0330 ppm	0.0008 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0037 ppm	-0.0114 ppm	0.0034 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	-0.0003 ppm	0.0000 ppm	0.0015 ppm	-0.0484 ppm	-0.0014 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0039 ppm	-0.0392 ppm	0.0005 ppm
Recovery Percentage	0.386 %	1.975 %	-1.731 %	1.942 %	6.017 %	-1.320 %	15.918 %
Concentration RSD	583.3 %	76.2 %	57.4 %	153.8 %	43.6 %	58.3 %	303.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0027 ppm	-0.0002 ppm	0.0001 ppm	-0.0103 ppm	-0.0003 ppm	-0.0002 ppm	0.0018 ppm
Concentration per Run	-0.0040 ppm	-0.0001 ppm	0.0005 ppm	-0.0091 ppm	0.0004 ppm	0.0004 ppm	0.0042 ppm
Concentration per Run	-0.0006 ppm	-0.0003 ppm	-0.0001 ppm	-0.0075 ppm	-0.0009 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run	-0.0036 ppm	-0.0002 ppm	0.0000 ppm	-0.0143 ppm	-0.0003 ppm	-0.0009 ppm	-0.0016 ppm
Recovery Percentage	-2.738 %	-2.050 %	0.281 %	-0.515 %	-1.034 %	-1.728 %	3.580 %
Concentration RSD	67.1 %	55.7 %	234.0 %	34.2 %	260.3 %	374.4 %	169.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0006 ppm	0.0022 ppm	0.0016 ppm	0.0000 ppm	-0.0007 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0006 ppm	0.0036 ppm	0.0011 ppm	-0.0001 ppm	-0.0008 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run	-0.0024 ppm	0.0009 ppm	0.0010 ppm	0.0000 ppm	-0.0005 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0036 ppm	0.0020 ppm	0.0028 ppm	0.0001 ppm	-0.0008 ppm	0.0019 ppm	-0.0003 ppm
Recovery Percentage	5.932 %	0.433 %	3.273 %	0.079 %	-7.227 %	4.296 %	-2.256 %
Concentration RSD	501.0 %	61.9 %	63.9 %	1501.7 %	24.1 %	157.6 %	43.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.9282 %	96.5700 %	97.3078 %	98.0669 %	98.2248 %	97.3726 %
Concentration per Run	0.0004 ppm	97.7811 %	96.1016 %	97.0637 %	97.8717 %	98.6977 %	97.2745 %
Concentration per Run	0.0002 ppm	98.1504 %	96.3495 %	97.2979 %	98.0695 %	97.1032 %	97.1032 %
Concentration per Run	0.0001 ppm	97.8532 %	97.2590 %	97.5619 %	98.2594 %	97.2713 %	97.7402 %
Recovery Percentage	4.540 %						
Concentration RSD	68.5 %	0.2 %	0.6 %	0.3 %	0.2 %	0.8 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR Ca 700
Analysis started at: 9/11/2025 1:46:13 PM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 46

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0013 ppm	-0.0063 ppm	0.0009 ppm	0.0005 ppm	0.0015 ppm	0.0000 ppm	692.5777 ppm
Concentration per Run	-0.0011 ppm	-0.0083 ppm	0.0005 ppm	0.0011 ppm	0.0015 ppm	0.0000 ppm	693.2732 ppm
Concentration per Run	-0.0016 ppm	-0.0038 ppm	0.0016 ppm	-0.0001 ppm	0.0015 ppm	0.0000 ppm	692.1403 ppm
Concentration per Run	-0.0012 ppm	-0.0068 ppm	0.0005 ppm	0.0004 ppm	0.0015 ppm	0.0000 ppm	692.3196 ppm
Concentration RSD	19.8 %	36.5 %	69.3 %	129.7 %	2.2 %	72.0 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0043 ppm	-0.0338 ppm	0.0083 ppm
Concentration per Run	0.0003 ppm	-0.0002 ppm	0.0000 ppm	0.0010 ppm	0.0041 ppm	-0.0380 ppm	0.0106 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	0.0005 ppm	0.0005 ppm	0.0045 ppm	-0.0499 ppm	0.0077 ppm
Concentration per Run	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0042 ppm	-0.0134 ppm	0.0067 ppm
Concentration RSD	47.6 %	108.2 %	2.416.1 %	34.2 %	5.9 %	55.1 %	24.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0014 ppm	0.0001 ppm	0.0002 ppm	-0.0024 ppm	-0.0002 ppm	0.0008 ppm	0.0026 ppm
Concentration per Run	0.0004 ppm	0.0001 ppm	0.0002 ppm	0.0012 ppm	-0.0003 ppm	0.0011 ppm	0.0034 ppm
Concentration per Run	0.0022 ppm	0.0003 ppm	0.0004 ppm	-0.0065 ppm	0.0003 ppm	-0.0001 ppm	0.0032 ppm
Concentration per Run	0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0019 ppm	-0.0005 ppm	0.0015 ppm	0.0013 ppm
Concentration RSD	64.1 %	122.8 %	108.3 %	161.0 %	255.4 %	96.9 %	43.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	0.0100 ppm	-0.0002 ppm	-0.0036 ppm	0.0007 ppm	0.0007 ppm	0.0005 ppm
Concentration per Run	0.0024 ppm	0.0086 ppm	-0.0006 ppm	-0.0036 ppm	0.0009 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run	-0.0005 ppm	0.0107 ppm	-0.0004 ppm	-0.0036 ppm	0.0006 ppm	0.0015 ppm	0.0004 ppm
Concentration per Run	-0.0014 ppm	0.0107 ppm	0.0004 ppm	-0.0035 ppm	0.0007 ppm	-0.0002 ppm	0.0006 ppm
Concentration RSD	1,271.9 %	12.3 %	231.8 %	1.8 %	21.4 %	118.1 %	18.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0012 ppm	91.4228 %	92.0721 %	83.9654 %	90.2042 %	92.9794 %	89.1018 %
Concentration per Run	0.0013 ppm	91.6087 %	92.6620 %	84.3154 %	90.4835 %	93.1765 %	89.5555 %
Concentration per Run	0.0013 ppm	91.4312 %	92.0499 %	83.3470 %	90.1635 %	92.8481 %	88.4966 %
Concentration per Run	0.0010 ppm	91.2284 %	91.5045 %	84.2337 %	89.9655 %	92.9138 %	89.2532 %
Concentration RSD	12.6 %	0.2 %	0.6 %	0.6 %	0.3 %	0.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555707-01d2 WG2111349

Analysis started at: 9/11/2025 1:48:24 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 45

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0022 ppm	17.8418 ppm	0.0652 ppm	0.0267 ppm	0.9762 ppm	0.0018 ppm	20.2396 ppm
Concentration per Run	0.0020 ppm	17.8520 ppm	0.0648 ppm	0.0276 ppm	0.9746 ppm	0.0017 ppm	20.3274 ppm
Concentration per Run	0.0025 ppm	17.8579 ppm	0.0662 ppm	0.0265 ppm	0.9769 ppm	0.0018 ppm	20.2081 ppm
Concentration per Run	0.0023 ppm	17.8153 ppm	0.0645 ppm	0.0260 ppm	0.9770 ppm	0.0018 ppm	20.1833 ppm
Concentration RSD	11.5 %	0.1 %	1.4 %	3.0 %	0.1 %	1.3 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0149 ppm	0.0247 ppm	0.0487 ppm	0.7639 ppm	118.6866 ppm	3.1099 ppm	0.0336 ppm
Concentration per Run	0.0150 ppm	0.0244 ppm	0.0485 ppm	0.7649 ppm	118.8357 ppm	3.1174 ppm	0.0336 ppm
Concentration per Run	0.0151 ppm	0.0247 ppm	0.0486 ppm	0.7601 ppm	119.0057 ppm	3.0989 ppm	0.0327 ppm
Concentration per Run	0.0147 ppm	0.0251 ppm	0.0489 ppm	0.7666 ppm	118.2184 ppm	3.1133 ppm	0.0344 ppm
Concentration RSD	1.5 %	1.4 %	0.3 %	0.4 %	0.3 %	0.3 %	2.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.5587 ppm	1.0416 ppm	0.0171 ppm	6.8681 ppm	0.5344 ppm	4.0131 ppm	0.0307 ppm
Concentration per Run	1.5623 ppm	1.0409 ppm	0.0165 ppm	6.8583 ppm	0.5331 ppm	4.0011 ppm	0.0307 ppm
Concentration per Run	1.5424 ppm	1.0416 ppm	0.0176 ppm	6.8584 ppm	0.5337 ppm	4.0193 ppm	0.0290 ppm
Concentration per Run	1.5715 ppm	1.0424 ppm	0.0173 ppm	6.8876 ppm	0.5363 ppm	4.0190 ppm	0.0324 ppm
Concentration RSD	1.0 %	0.1 %	3.3 %	0.2 %	0.3 %	0.3 %	5.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0180 ppm	4.6639 ppm	0.1757 ppm	0.2147 ppm	0.2853 ppm	0.0012 ppm	0.1286 ppm
Concentration per Run	0.0182 ppm	4.6634 ppm	0.1773 ppm	0.2143 ppm	0.2855 ppm	0.0002 ppm	0.1282 ppm
Concentration per Run	0.0190 ppm	4.6694 ppm	0.1753 ppm	0.2146 ppm	0.2824 ppm	0.0033 ppm	0.1283 ppm
Concentration per Run	0.0169 ppm	4.6590 ppm	0.1745 ppm	0.2151 ppm	0.2880 ppm	0.0001 ppm	0.1291 ppm
Concentration RSD	5.7 %	0.1 %	0.8 %	0.2 %	1.0 %	153.0 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	12.4557 ppm	100.3456 %	100.3456 %	94.9650 %	101.9074 %	103.0331 %	101.8581 %
Concentration per Run	12.4419 ppm	100.3927 %	100.3927 %	95.4201 %	101.8804 %	102.7505 %	102.3546 %
Concentration per Run	12.4409 ppm	100.6672 %	100.6672 %	94.4030 %	102.0002 %	102.7717 %	101.5185 %
Concentration per Run	12.4843 ppm	99.9769 %	99.9769 %	94.6883 %	101.8417 %	103.5771 %	101.7012 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.8 %	0.1 %	0.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 1:58:38 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5048 ppm	0.4813 ppm	0.4839 ppm	0.4862 ppm	0.4933 ppm	0.5095 ppm	0.4953 ppm
Concentration per Run	0.5054 ppm	0.4884 ppm	0.4878 ppm	0.4869 ppm	0.4919 ppm	0.5086 ppm	0.4960 ppm
Concentration per Run	0.5058 ppm	0.4735 ppm	0.4847 ppm	0.4871 ppm	0.4937 ppm	0.5096 ppm	0.4966 ppm
Concentration per Run	0.5031 ppm	0.4819 ppm	0.4791 ppm	0.4847 ppm	0.4942 ppm	0.5102 ppm	0.4934 ppm
Recovery Percentage	100.954 %	96.256 %	96.775 %	97.246 %	98.652 %	101.890 %	99.067 %
Concentration RSD	0.3 %	1.5 %	0.9 %	0.3 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5138 ppm	0.5056 ppm	0.5106 ppm	0.5204 ppm	0.5049 ppm	5.1162 ppm	0.5158 ppm
Concentration per Run	0.5143 ppm	0.5052 ppm	0.5114 ppm	0.5214 ppm	0.5056 ppm	5.1109 ppm	0.5091 ppm
Concentration per Run	0.5144 ppm	0.5063 ppm	0.5111 ppm	0.5214 ppm	0.5023 ppm	5.1022 ppm	0.5190 ppm
Concentration per Run	0.5126 ppm	0.5052 ppm	0.5094 ppm	0.5184 ppm	0.5067 ppm	5.1356 ppm	0.5194 ppm
Recovery Percentage	102.756 %	101.112 %	102.128 %	104.076 %	100.973 %	102.324 %	103.167 %
Concentration RSD	0.2 %	0.1 %	0.2 %	0.3 %	0.5 %	0.3 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5168 ppm	0.5073 ppm	0.4854 ppm	10.0605 ppm	0.5136 ppm	0.5058 ppm	0.5141 ppm
Concentration per Run	0.5154 ppm	0.5071 ppm	0.4863 ppm	10.0848 ppm	0.5168 ppm	0.5055 ppm	0.5119 ppm
Concentration per Run	0.5215 ppm	0.5073 ppm	0.4866 ppm	10.0876 ppm	0.5139 ppm	0.5061 ppm	0.5198 ppm
Concentration per Run	0.5135 ppm	0.5074 ppm	0.4831 ppm	10.0090 ppm	0.5102 ppm	0.5058 ppm	0.5106 ppm
Recovery Percentage	103.359 %	101.452 %	97.070 %	100.605 %	102.726 %	101.160 %	102.820 %
Concentration RSD	0.8 %	0.0 %	0.4 %	0.4 %	0.6 %	0.1 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4816 ppm	5.4343 ppm	0.4970 ppm	0.5049 ppm	0.5117 ppm	0.4954 ppm	0.5127 ppm
Concentration per Run	0.4809 ppm	5.4390 ppm	0.4949 ppm	0.5045 ppm	0.5117 ppm	0.4948 ppm	0.5130 ppm
Concentration per Run	0.4807 ppm	5.4471 ppm	0.4962 ppm	0.5058 ppm	0.5161 ppm	0.4972 ppm	0.5138 ppm
Concentration per Run	0.4833 ppm	5.4168 ppm	0.4998 ppm	0.5046 ppm	0.5074 ppm	0.4940 ppm	0.5112 ppm
Recovery Percentage	96.328 %	103.511 %	99.392 %	100.990 %	102.349 %	99.070 %	102.533 %
Concentration RSD	0.3 %	0.3 %	0.5 %	0.1 %	0.9 %	0.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4969 ppm	99.3007 %	98.3600 %	97.9928 %	97.5470 %	97.2405 %	97.0628 %
Concentration per Run	0.4999 ppm	99.3394 %	98.2347 %	98.2774 %	98.0639 %	97.2979 %	97.3980 %
Concentration per Run	0.4962 ppm	99.2140 %	98.1207 %	97.7014 %	97.7142 %	97.2964 %	96.7666 %
Concentration per Run	0.4945 ppm	99.3487 %	98.7247 %	97.9998 %	96.8631 %	97.1273 %	97.0239 %
Recovery Percentage	99.371 %	0.1 %	0.3 %	0.3 %	0.6 %	0.1 %	0.3 %
Concentration RSD	0.6 %	0.1 %	0.3 %	0.3 %	0.6 %	0.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 2:00:53 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	0.0013 ppm	0.0014 ppm	-0.0009 ppm	-0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run	-0.0010 ppm	-0.0001 ppm	0.0021 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm	-0.0044 ppm
Concentration per Run	-0.0008 ppm	-0.0038 ppm	0.0029 ppm	-0.0013 ppm	-0.0002 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run	-0.0002 ppm	0.0077 ppm	-0.0009 ppm	-0.0018 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm
Recovery Percentage	-9.903 %	1.289 %	27.208 %	-2.975 %	-0.655 %	0.820 %	-0.638 %
Concentration RSD	58.3 %	455.9 %	147.0 %	130.6 %	199.7 %	47.9 %	509.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0004 ppm	-0.0685 ppm	0.0026 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0003 ppm	-0.0677 ppm	0.0025 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0013 ppm	-0.0669 ppm	0.0032 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm	0.0003 ppm	-0.0708 ppm	0.0020 ppm
Recovery Percentage	1.678 %	0.939 %	1.883 %	1.883 %	0.826 %	-2.738 %	51.379 %
Concentration RSD	40.1 %	174.2 %	117.5 %	92.1 %	193.6 %	3.0 %	23.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0025 ppm	0.0000 ppm	0.0000 ppm	-0.0055 ppm	-0.0010 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run	-0.0036 ppm	-0.0001 ppm	0.0004 ppm	-0.0027 ppm	-0.0007 ppm	-0.0002 ppm	0.0031 ppm
Concentration per Run	-0.0023 ppm	-0.0001 ppm	0.0004 ppm	-0.0092 ppm	-0.0007 ppm	0.0005 ppm	-0.0007 ppm
Concentration per Run	-0.0017 ppm	0.0001 ppm	-0.0007 ppm	-0.0047 ppm	-0.0016 ppm	0.0007 ppm	-0.0012 ppm
Recovery Percentage	-2.534 %	-0.235 %	-0.022 %	-0.277 %	-4.019 %	3.186 %	0.820 %
Concentration RSD	36.6 %	577.9 %	5.728.3 %	60.3 %	52.6 %	158.4 %	575.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	0.0018 ppm	0.0009 ppm	-0.0001 ppm	-0.0009 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0037 ppm	0.0025 ppm	0.0001 ppm	0.0000 ppm	-0.0009 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	-0.0009 ppm	0.0044 ppm	0.0020 ppm	-0.0001 ppm	-0.0010 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run	0.0021 ppm	-0.0016 ppm	0.0007 ppm	-0.0001 ppm	-0.0008 ppm	0.0027 ppm	-0.0001 ppm
Recovery Percentage	16.140 %	0.351 %	1.794 %	-0.651 %	-9.074 %	8.374 %	-0.117 %
Concentration RSD	144.2 %	174.2 %	108.3 %	52.2 %	8.2 %	75.8 %	1,223.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	96.4931 %	95.5264 %	95.6478 %	96.2828 %	98.0095 %	95.5981 %
Concentration per Run	0.0001 ppm	96.4093 %	95.2233 %	95.9860 %	96.4837 %	97.7684 %	96.0676 %
Concentration per Run	-0.0003 ppm	95.7417 %	95.1490 %	95.4292 %	95.2545 %	95.5574 %	95.0869 %
Concentration per Run	0.0002 ppm	97.3283 %	96.2070 %	95.5282 %	97.1102 %	97.7028 %	95.6398 %
Recovery Percentage	-0.164 %						
Concentration RSD	2,899.9 %	0.8 %	0.6 %	0.3 %	1.0 %	0.5 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-1 WG2110788

Analysis started at: 9/11/2025 2:13:12 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 50

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0207 ppm	0.0007 ppm	0.0012 ppm	0.0004 ppm	0.0000 ppm	0.0438 ppm
Concentration per Run	-0.0004 ppm	0.0263 ppm	0.0016 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0447 ppm
Concentration per Run	-0.0008 ppm	0.0166 ppm	0.0002 ppm	0.0006 ppm	0.0004 ppm	0.0000 ppm	0.0414 ppm
Concentration per Run	0.0000 ppm	0.0193 ppm	0.0002 ppm	0.0027 ppm	0.0005 ppm	0.0000 ppm	0.0452 ppm
Recovery Percentage	-6.157 %	20.738 %	13.582 %	3.843 %	4.281 %	0.413 %	43.779 %
Concentration RSD	93.6 %	24.2 %	119.8 %	113.5 %	17.7 %	157.1 %	4.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0005 ppm	0.0011 ppm	0.0009 ppm	0.0934 ppm	-0.0260 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	0.0015 ppm	0.0012 ppm	0.0934 ppm	-0.0257 ppm	0.0015 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0013 ppm	0.0008 ppm	0.0929 ppm	-0.0295 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0006 ppm	0.0938 ppm	-0.0228 ppm	0.0013 ppm
Recovery Percentage	0.301 %	2.655 %	11.393 %	8.529 %	186.714 %	-1.040 %	28.740 %
Concentration RSD	688.1 %	61.4 %	41.3 %	33.4 %	0.5 %	12.9 %	11.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0205 ppm	0.0027 ppm	0.0002 ppm	0.0285 ppm	-0.0009 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	0.0204 ppm	0.0028 ppm	0.0001 ppm	0.0252 ppm	-0.0010 ppm	0.0003 ppm	-0.0005 ppm
Concentration per Run	0.0197 ppm	0.0028 ppm	-0.0001 ppm	0.0343 ppm	-0.0014 ppm	0.0004 ppm	0.0016 ppm
Concentration per Run	0.0212 ppm	0.0027 ppm	0.0006 ppm	0.0260 ppm	-0.0003 ppm	0.0016 ppm	-0.0011 ppm
Recovery Percentage	20.453 %	27.457 %	0.345 %	1.425 %	-3.552 %	7.541 %	-0.085 %
Concentration RSD	3.7 %	1.4 %	208.6 %	17.8 %	62.4 %	95.1 %	3.354.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	0.0243 ppm	0.0084 ppm	0.0001 ppm	0.0009 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0028 ppm	0.0255 ppm	0.0082 ppm	0.0011 ppm	0.0011 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0017 ppm	0.0231 ppm	0.0080 ppm	0.0000 ppm	0.0007 ppm	0.0022 ppm	-0.0001 ppm
Concentration per Run	0.0011 ppm	0.0242 ppm	0.0090 ppm	0.0002 ppm	0.0008 ppm	0.0006 ppm	0.0000 ppm
Recovery Percentage	18.720 %	4.854 %	16.780 %	0.869 %	8.696 %	3.534 %	-0.671 %
Concentration RSD	47.7 %	4.9 %	6.0 %	102.2 %	21.3 %	210.8 %	113.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0014 ppm	98.7048 %	97.8310 %	95.6150 %	97.6975 %	98.4887 %	96.3372 %
Concentration per Run	0.0014 ppm	98.6862 %	98.2234 %	95.7625 %	97.4225 %	99.5084 %	96.5380 %
Concentration per Run	0.0012 ppm	98.5580 %	98.0234 %	94.6734 %	97.6690 %	97.6385 %	95.2187 %
Concentration per Run	0.0014 ppm	98.8702 %	97.2463 %	96.4092 %	98.0009 %	98.3192 %	97.2549 %
Recovery Percentage	27.181 %						
Concentration RSD	8.6 %	0.2 %	0.5 %	0.9 %	0.3 %	1.0 %	1.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: eWG2110788-2d2 WG2110788

Analysis started at: 9/11/2025 2:15:28 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 51

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0458 ppm	1.2830 ppm	0.0907 ppm	0.7693 ppm	1.3314 ppm	0.0333 ppm	6.7961 ppm
Concentration per Run	0.0462 ppm	1.2879 ppm	0.0897 ppm	0.7740 ppm	1.3298 ppm	0.0333 ppm	6.7829 ppm
Concentration per Run	0.0456 ppm	1.2760 ppm	0.0914 ppm	0.7677 ppm	1.3318 ppm	0.0332 ppm	6.8035 ppm
Concentration per Run	0.0456 ppm	1.2851 ppm	0.0912 ppm	0.7663 ppm	1.3327 ppm	0.0334 ppm	6.8018 ppm
Concentration RSD	0.7 %	0.5 %	1.0 %	0.5 %	0.1 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0408 ppm	0.3213 ppm	0.1281 ppm	0.1706 ppm	0.6604 ppm	8.2813 ppm	-0.0002 ppm
Concentration per Run	0.0409 ppm	0.3222 ppm	0.1273 ppm	0.1704 ppm	0.6553 ppm	8.2753 ppm	-0.0003 ppm
Concentration per Run	0.0408 ppm	0.3213 ppm	0.1285 ppm	0.1708 ppm	0.6637 ppm	8.2993 ppm	0.0007 ppm
Concentration per Run	0.0407 ppm	0.3204 ppm	0.1285 ppm	0.1705 ppm	0.6620 ppm	8.2694 ppm	-0.0011 ppm
Concentration RSD	0.2 %	0.3 %	0.5 %	0.1 %	0.7 %	0.2 %	370.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.8075 ppm	0.3301 ppm	0.6804 ppm	7.9178 ppm	0.3287 ppm	0.4161 ppm	0.3610 ppm
Concentration per Run	6.7729 ppm	0.3298 ppm	0.6813 ppm	7.9167 ppm	0.3283 ppm	0.4165 ppm	0.3598 ppm
Concentration per Run	6.8383 ppm	0.3302 ppm	0.6826 ppm	7.9307 ppm	0.3277 ppm	0.4157 ppm	0.3626 ppm
Concentration per Run	6.8113 ppm	0.3301 ppm	0.6773 ppm	7.9060 ppm	0.3302 ppm	0.4162 ppm	0.3606 ppm
Concentration RSD	0.5 %	0.1 %	0.4 %	0.2 %	0.4 %	0.1 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0994 ppm	0.7241 ppm	0.6843 ppm	0.6697 ppm	0.6716 ppm	0.1002 ppm	0.3520 ppm
Concentration per Run	0.0970 ppm	0.7252 ppm	0.6894 ppm	0.6694 ppm	0.6718 ppm	0.0993 ppm	0.3522 ppm
Concentration per Run	0.1011 ppm	0.7254 ppm	0.6848 ppm	0.6693 ppm	0.6737 ppm	0.0998 ppm	0.3519 ppm
Concentration per Run	0.1000 ppm	0.7216 ppm	0.6788 ppm	0.6702 ppm	0.1015 ppm	0.1015 ppm	0.3518 ppm
Concentration RSD	2.2 %	0.3 %	0.8 %	0.1 %	0.3 %	1.2 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3401 ppm	97.2824 %	96.6695 %	94.5407 %	95.5402 %	96.7416 %	94.2077 %
Concentration per Run	0.3423 ppm	97.0545 %	96.5306 %	95.1815 %	94.9708 %	97.3818 %	94.9335 %
Concentration per Run	0.3397 ppm	97.3143 %	97.1815 %	94.3857 %	95.5933 %	97.6165 %	94.0409 %
Concentration per Run	0.3384 ppm	97.4785 %	96.2963 %	94.0551 %	96.0564 %	95.2265 %	93.6487 %
Concentration RSD	0.6 %	0.2 %	0.5 %	0.6 %	0.6 %	1.4 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553999-01d2 WG2108897

Analysis started at: 9/11/2025 2:17:33 PM

Comment: <Comment>

Rack Number 1

Vial Numbers

47

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0019 ppm	113.4586 ppm	0.0685 ppm	0.0146 ppm	0.4116 ppm	0.0032 ppm	33.2468 ppm
Concentration per Run	0.0019 ppm	113.7786 ppm	0.0697 ppm	0.0159 ppm	0.4149 ppm	0.0032 ppm	33.2825 ppm
Concentration per Run	0.0016 ppm	113.2635 ppm	0.0686 ppm	0.0145 ppm	0.4098 ppm	0.0032 ppm	33.2354 ppm
Concentration per Run	0.0021 ppm	113.3337 ppm	0.0673 ppm	0.0133 ppm	0.4102 ppm	0.0032 ppm	33.2225 ppm
Concentration RSD	14.0 %	0.2 %	1.8 %	9.1 %	0.7 %	1.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0028 ppm	0.0794 ppm	0.1846 ppm	0.3406 ppm	132.8033 ppm	10.1339 ppm	0.1357 ppm
Concentration per Run	0.0028 ppm	0.0790 ppm	0.1841 ppm	0.3406 ppm	133.5167 ppm	10.1944 ppm	0.1376 ppm
Concentration per Run	0.0028 ppm	0.0790 ppm	0.1847 ppm	0.3396 ppm	132.3429 ppm	10.0940 ppm	0.1347 ppm
Concentration per Run	0.0029 ppm	0.0801 ppm	0.1851 ppm	0.3416 ppm	132.5502 ppm	10.1132 ppm	0.1348 ppm
Concentration RSD	1.2 %	0.8 %	0.3 %	0.3 %	0.5 %	0.5 %	1.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	27.2473 ppm	14.1721 ppm	0.0204 ppm	3.7268 ppm	0.1378 ppm	0.2638 ppm	0.0037 ppm
Concentration per Run	26.9035 ppm	14.2210 ppm	0.0200 ppm	3.7254 ppm	0.1384 ppm	0.2644 ppm	0.0068 ppm
Concentration per Run	27.5282 ppm	14.1555 ppm	0.0205 ppm	3.7304 ppm	0.1379 ppm	0.2630 ppm	0.0001 ppm
Concentration per Run	27.3103 ppm	14.1399 ppm	0.0206 ppm	3.7247 ppm	0.1371 ppm	0.2639 ppm	0.0042 ppm
Concentration RSD	1.2 %	0.3 %	1.7 %	0.1 %	0.5 %	0.3 %	90.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	15.9544 ppm	0.0224 ppm	0.1111 ppm	4.3302 ppm	0.0005 ppm	0.1708 ppm
Concentration per Run	0.0030 ppm	15.9844 ppm	0.0216 ppm	0.1117 ppm	4.2894 ppm	-0.0006 ppm	0.1703 ppm
Concentration per Run	0.0018 ppm	15.9777 ppm	0.0224 ppm	0.1106 ppm	4.3801 ppm	0.0009 ppm	0.1707 ppm
Concentration per Run	0.0035 ppm	15.9013 ppm	0.0232 ppm	0.1109 ppm	4.3212 ppm	0.0012 ppm	0.1715 ppm
Concentration RSD	32.5 %	0.3 %	3.6 %	0.5 %	1.1 %	196.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7780 ppm	98.0617 %	100.9631 %	92.2211 %	107.5678 %	112.1193 %	108.0709 %
Concentration per Run	0.7763 ppm	98.2595 %	101.2883 %	91.9619 %	107.5158 %	113.1552 %	107.8447 %
Concentration per Run	0.7776 ppm	98.1758 %	100.6988 %	91.9874 %	107.8939 %	111.3834 %	107.6238 %
Concentration per Run	0.7800 ppm	97.7499 %	100.9021 %	92.7140 %	107.2935 %	111.8194 %	108.7443 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.5 %	0.3 %	0.8 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553999-02d2 WG2108897

Analysis started at: 9/11/2025 2:19:38 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 48

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0012 ppm	166.6107 ppm	0.0947 ppm	0.0177 ppm	0.3660 ppm	0.0033 ppm	38.9957 ppm
Concentration per Run	0.0013 ppm	166.8880 ppm	0.0957 ppm	0.0176 ppm	0.3659 ppm	0.0033 ppm	39.0235 ppm
Concentration per Run	0.0007 ppm	166.3357 ppm	0.0951 ppm	0.0169 ppm	0.3659 ppm	0.0033 ppm	38.9451 ppm
Concentration per Run	0.0014 ppm	166.6083 ppm	0.0934 ppm	0.0187 ppm	0.3663 ppm	0.0032 ppm	39.0186 ppm
Concentration RSD	32.4 %	0.2 %	1.3 %	4.9 %	0.1 %	1.6 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0023 ppm	0.0816 ppm	0.2083 ppm	0.4631 ppm	123.7094 ppm	9.1204 ppm	0.1181 ppm
Concentration per Run	0.0023 ppm	0.0820 ppm	0.2103 ppm	0.4629 ppm	123.9003 ppm	9.1503 ppm	0.1174 ppm
Concentration per Run	0.0023 ppm	0.0813 ppm	0.2080 ppm	0.4639 ppm	123.0121 ppm	9.0910 ppm	0.1168 ppm
Concentration per Run	0.0023 ppm	0.0814 ppm	0.2067 ppm	0.4624 ppm	124.2159 ppm	9.1197 ppm	0.1203 ppm
Concentration RSD	0.1 %	0.5 %	0.9 %	0.2 %	0.5 %	0.3 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	25.7862 ppm	12.6846 ppm	0.0579 ppm	3.9610 ppm	0.1346 ppm	0.3196 ppm	0.0016 ppm
Concentration per Run	25.5869 ppm	12.7041 ppm	0.0581 ppm	3.9833 ppm	0.1345 ppm	0.3178 ppm	0.0015 ppm
Concentration per Run	25.8856 ppm	12.6621 ppm	0.0578 ppm	3.9500 ppm	0.1346 ppm	0.3194 ppm	-0.0015 ppm
Concentration per Run	25.8860 ppm	12.6876 ppm	0.0579 ppm	3.9498 ppm	0.1346 ppm	0.3216 ppm	0.0048 ppm
Concentration RSD	0.7 %	0.2 %	0.3 %	0.5 %	0.1 %	0.6 %	192.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	13.6867 ppm	0.0261 ppm	0.1430 ppm	4.2187 ppm	0.0016 ppm	0.1710 ppm
Concentration per Run	0.0014 ppm	13.7501 ppm	0.0262 ppm	0.1433 ppm	4.1879 ppm	0.0010 ppm	0.1711 ppm
Concentration per Run	0.0029 ppm	13.6783 ppm	0.0247 ppm	0.1426 ppm	4.2325 ppm	0.0021 ppm	0.1714 ppm
Concentration per Run	0.0020 ppm	13.6317 ppm	0.0273 ppm	0.1432 ppm	4.2355 ppm	0.0018 ppm	0.1705 ppm
Concentration RSD	34.2 %	0.4 %	5.1 %	0.3 %	0.6 %	37.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.9646 ppm	98.8547 %	101.3431 %	92.2954 %	106.7021 %	112.0957 %	106.8640 %
Concentration per Run	0.9701 ppm	98.4656 %	100.7372 %	91.5949 %	105.9012 %	112.0763 %	105.9302 %
Concentration per Run	0.9631 ppm	98.5726 %	102.3391 %	92.7774 %	106.7681 %	113.0189 %	107.6578 %
Concentration per Run	0.9605 ppm	99.5259 %	100.9531 %	92.3138 %	107.4371 %	111.1919 %	107.0041 %
Concentration RSD	0.5 %	0.6 %	0.9 %	0.7 %	0.7 %	0.8 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553999-03d2 WG2108897

Analysis started at: 9/11/2025 2:21:43 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 49

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0007 ppm	117.6300 ppm	0.0706 ppm	0.0187 ppm	0.3823 ppm	0.0025 ppm	103.0965 ppm
Concentration per Run	0.0003 ppm	117.7656 ppm	0.0711 ppm	0.0186 ppm	0.3783 ppm	0.0026 ppm	103.0348 ppm
Concentration per Run	0.0011 ppm	117.6726 ppm	0.0729 ppm	0.0180 ppm	0.3866 ppm	0.0025 ppm	103.0842 ppm
Concentration per Run	0.0007 ppm	117.4517 ppm	0.0678 ppm	0.0195 ppm	0.3820 ppm	0.0025 ppm	103.1706 ppm
Concentration RSD	60.1 %	0.1 %	3.7 %	4.1 %	1.1 %	0.6 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0013 ppm	0.0607 ppm	0.2175 ppm	0.2860 ppm	110.9717 ppm	10.8865 ppm	0.1127 ppm
Concentration per Run	0.0014 ppm	0.0611 ppm	0.2185 ppm	0.2858 ppm	111.1262 ppm	10.8405 ppm	0.1151 ppm
Concentration per Run	0.0012 ppm	0.0604 ppm	0.2163 ppm	0.2858 ppm	111.2432 ppm	10.8642 ppm	0.1123 ppm
Concentration per Run	0.0014 ppm	0.0608 ppm	0.2178 ppm	0.2863 ppm	110.5457 ppm	10.9548 ppm	0.1109 ppm
Concentration RSD	8.2 %	0.6 %	0.5 %	0.1 %	0.3 %	0.6 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	33.1300 ppm	9.0959 ppm	0.0166 ppm	4.6860 ppm	0.1217 ppm	0.2442 ppm	0.0044 ppm
Concentration per Run	32.9886 ppm	9.1033 ppm	0.0167 ppm	4.6902 ppm	0.1211 ppm	0.2423 ppm	0.0043 ppm
Concentration per Run	33.0948 ppm	9.0942 ppm	0.0172 ppm	4.6882 ppm	0.1209 ppm	0.2454 ppm	0.0066 ppm
Concentration per Run	33.3065 ppm	9.0901 ppm	0.0158 ppm	4.6996 ppm	0.1229 ppm	0.2450 ppm	0.0024 ppm
Concentration RSD	0.5 %	0.1 %	4.1 %	0.3 %	0.9 %	0.7 %	47.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	16.2919 ppm	0.0185 ppm	0.1468 ppm	3.7047 ppm	-0.0003 ppm	0.1588 ppm
Concentration per Run	0.0030 ppm	16.2812 ppm	0.0190 ppm	0.1466 ppm	3.6930 ppm	0.0004 ppm	0.1591 ppm
Concentration per Run	0.0055 ppm	16.3411 ppm	0.0180 ppm	0.1466 ppm	3.6997 ppm	-0.0015 ppm	0.1583 ppm
Concentration per Run	0.0004 ppm	16.2534 ppm	0.0185 ppm	0.1473 ppm	3.7214 ppm	0.0003 ppm	0.1591 ppm
Concentration RSD	86.7 %	0.3 %	2.8 %	0.3 %	0.4 %	364.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7364 ppm	98.7206 %	101.1819 %	92.0545 %	105.7923 %	111.6019 %	106.0253 %
Concentration per Run	0.7355 ppm	98.6688 %	100.6688 %	91.5926 %	105.7011 %	111.0523 %	105.5182 %
Concentration per Run	0.7372 ppm	98.7288 %	102.2408 %	92.0057 %	105.7204 %	112.6349 %	106.1111 %
Concentration per Run	0.7365 ppm	98.7640 %	100.6363 %	92.5653 %	105.9555 %	111.1183 %	106.4466 %
Concentration RSD	0.1 %	0.0 %	0.9 %	0.5 %	0.1 %	0.8 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554000-03d2 WG2110788

Analysis started at: 9/11/2025 2:23:48 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 52

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	46.2357 ppm	0.0219 ppm	0.0030 ppm	0.1173 ppm	0.0013 ppm	2.1819 ppm
Concentration per Run	0.0000 ppm	46.4204 ppm	0.0221 ppm	0.0036 ppm	0.1175 ppm	0.0014 ppm	2.1758 ppm
Concentration per Run	-0.0006 ppm	46.1769 ppm	0.0224 ppm	0.0028 ppm	0.1173 ppm	0.0013 ppm	2.1764 ppm
Concentration per Run	-0.0003 ppm	46.1098 ppm	0.0212 ppm	0.0025 ppm	0.1171 ppm	0.0013 ppm	2.1935 ppm
Concentration RSD	92.9 %	0.4 %	2.9 %	19.0 %	0.2 %	1.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0291 ppm	0.0419 ppm	0.0361 ppm	81.1768 ppm	2.6402 ppm	0.0976 ppm
Concentration per Run	0.0002 ppm	0.0289 ppm	0.0413 ppm	0.0362 ppm	80.9719 ppm	2.6505 ppm	0.0984 ppm
Concentration per Run	0.0003 ppm	0.0293 ppm	0.0426 ppm	0.0363 ppm	81.4127 ppm	2.6460 ppm	0.0974 ppm
Concentration per Run	0.0002 ppm	0.0292 ppm	0.0419 ppm	0.0358 ppm	81.1457 ppm	2.6242 ppm	0.0969 ppm
Concentration RSD	26.9 %	0.7 %	1.5 %	0.8 %	0.3 %	0.5 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.3297 ppm	0.9259 ppm	0.0002 ppm	0.0732 ppm	0.0647 ppm	0.0528 ppm	0.0021 ppm
Concentration per Run	14.1654 ppm	0.9266 ppm	0.0002 ppm	0.0732 ppm	0.0641 ppm	0.0534 ppm	0.0061 ppm
Concentration per Run	14.4139 ppm	0.9280 ppm	0.0002 ppm	0.0785 ppm	0.0649 ppm	0.0535 ppm	0.0015 ppm
Concentration per Run	14.4098 ppm	0.9252 ppm	0.0002 ppm	0.0680 ppm	0.0649 ppm	0.0516 ppm	-0.0013 ppm
Concentration RSD	1.0 %	0.1 %	13.8 %	7.2 %	0.7 %	2.0 %	178.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	1.3742 ppm	0.0063 ppm	0.0113 ppm	0.2750 ppm	0.0002 ppm	0.0589 ppm
Concentration per Run	0.0022 ppm	1.3636 ppm	0.0063 ppm	0.0114 ppm	0.2714 ppm	0.0000 ppm	0.0582 ppm
Concentration per Run	0.0015 ppm	1.3783 ppm	0.0058 ppm	0.0113 ppm	0.2761 ppm	-0.0004 ppm	0.0598 ppm
Concentration per Run	0.0027 ppm	1.3809 ppm	0.0069 ppm	0.0112 ppm	0.2774 ppm	0.0008 ppm	0.0587 ppm
Concentration RSD	27.2 %	0.7 %	8.4 %	0.9 %	1.2 %	420.1 %	1.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2054 ppm	99.3043 %	99.1767 %	95.0294 %	99.9835 %	102.7242 %	99.7831 %
Concentration per Run	0.2046 ppm	98.9858 %	99.5204 %	94.5582 %	99.6497 %	103.8229 %	99.0939 %
Concentration per Run	0.2058 ppm	99.5600 %	99.6621 %	95.7437 %	100.0252 %	103.1612 %	100.4118 %
Concentration per Run	0.2058 ppm	99.3671 %	98.3477 %	94.7864 %	100.2754 %	101.1885 %	99.8436 %
Concentration RSD	0.3 %	0.3 %	0.7 %	0.7 %	0.3 %	1.3 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-3d2 WG2110788

Analysis started at: 9/11/2025 2:25:53 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 53

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0501 ppm	54.5169 ppm	0.1322 ppm	0.8789 ppm	2.0522 ppm	0.0517 ppm	11.7234 ppm
Concentration per Run	0.0499 ppm	54.4162 ppm	0.1330 ppm	0.8726 ppm	2.0395 ppm	0.0517 ppm	11.7414 ppm
Concentration per Run	0.0501 ppm	54.6066 ppm	0.1321 ppm	0.8821 ppm	2.0590 ppm	0.0516 ppm	11.7241 ppm
Concentration per Run	0.0503 ppm	54.5279 ppm	0.1314 ppm	0.8820 ppm	2.0581 ppm	0.0517 ppm	11.7047 ppm
Concentration RSD	0.4 %	0.2 %	0.6 %	0.6 %	0.5 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0524 ppm	0.5076 ppm	0.2377 ppm	0.2912 ppm	80.8117 ppm	11.8406 ppm	0.1167 ppm
Concentration per Run	0.0522 ppm	0.5062 ppm	0.2372 ppm	0.2895 ppm	80.8827 ppm	11.8027 ppm	0.1155 ppm
Concentration per Run	0.0527 ppm	0.5075 ppm	0.2375 ppm	0.2920 ppm	80.4744 ppm	11.8444 ppm	0.1180 ppm
Concentration per Run	0.0524 ppm	0.5091 ppm	0.2383 ppm	0.2923 ppm	81.0781 ppm	11.8747 ppm	0.1166 ppm
Concentration RSD	0.5 %	0.3 %	0.3 %	0.5 %	0.4 %	0.3 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	25.9945 ppm	1.4915 ppm	0.9549 ppm	10.2707 ppm	0.5562 ppm	0.5866 ppm	0.2188 ppm
Concentration per Run	25.7596 ppm	1.4843 ppm	0.9487 ppm	10.1576 ppm	0.5523 ppm	0.5861 ppm	0.2162 ppm
Concentration per Run	26.1851 ppm	1.4865 ppm	0.9586 ppm	10.2386 ppm	0.5583 ppm	0.5869 ppm	0.2150 ppm
Concentration per Run	26.0388 ppm	1.5038 ppm	0.9565 ppm	10.4159 ppm	0.5581 ppm	0.5868 ppm	0.2251 ppm
Concentration RSD	0.8 %	0.7 %	0.6 %	1.3 %	0.6 %	0.1 %	2.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1098 ppm	2.6254 ppm	0.8556 ppm	0.9878 ppm	0.9747 ppm	0.1166 ppm	0.5688 ppm
Concentration per Run	0.1067 ppm	2.6063 ppm	0.8570 ppm	0.9817 ppm	0.9632 ppm	0.1164 ppm	0.5669 ppm
Concentration per Run	0.1142 ppm	2.6407 ppm	0.8552 ppm	0.9897 ppm	0.9898 ppm	0.1157 ppm	0.5707 ppm
Concentration per Run	0.1086 ppm	2.6293 ppm	0.8546 ppm	0.9921 ppm	0.9710 ppm	0.1176 ppm	0.5689 ppm
Concentration RSD	3.5 %	0.7 %	0.1 %	0.6 %	1.4 %	0.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7059 ppm	97.0410 ppm	97.8047 ppm	92.7258 ppm	97.3515 ppm	100.9253 ppm	97.3241 ppm
Concentration per Run	0.7021 ppm	97.0564 ppm	96.9061 ppm	92.4846 ppm	96.8869 ppm	99.1790 ppm	96.9492 ppm
Concentration per Run	0.7076 ppm	97.0761 ppm	98.4234 ppm	92.8485 ppm	97.7961 ppm	101.4474 ppm	97.6571 ppm
Concentration per Run	0.7079 ppm	96.9906 ppm	98.0845 ppm	92.8444 ppm	97.3714 ppm	102.1495 ppm	97.3658 ppm
Concentration RSD	0.5 %	0.0 %	0.8 %	0.2 %	0.5 %	1.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-4d2 WG2110788

Analysis started at: 9/11/2025 2:27:58 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 54

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	Ba 455.403 Radial-IFR)	Be 208.959 Axial-IFR)	B 208.959 Axial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0509 ppm	52.5787 ppm	0.1315 ppm	0.8947 ppm	2.0694 ppm	0.0520 ppm	11.9627 ppm
Concentration per Run	0.0505 ppm	52.5995 ppm	0.1309 ppm	0.8912 ppm	2.0705 ppm	0.0521 ppm	12.0116 ppm
Concentration per Run	0.0510 ppm	52.6249 ppm	0.1306 ppm	0.8961 ppm	2.0745 ppm	0.0519 ppm	11.9557 ppm
Concentration per Run	0.0511 ppm	52.5116 ppm	0.1330 ppm	0.8967 ppm	2.0633 ppm	0.0519 ppm	11.9208 ppm
Concentration RSD	0.6 %	0.1 %	1.0 %	0.3 %	0.3 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0532 ppm	0.5104 ppm	0.2383 ppm	0.2994 ppm	78.0498 ppm	11.9619 ppm	0.1112 ppm
Concentration per Run	0.0528 ppm	0.5104 ppm	0.2364 ppm	0.2984 ppm	78.4173 ppm	11.9350 ppm	0.1123 ppm
Concentration per Run	0.0535 ppm	0.5118 ppm	0.2395 ppm	0.2996 ppm	77.9144 ppm	11.9871 ppm	0.1094 ppm
Concentration per Run	0.0532 ppm	0.5089 ppm	0.2390 ppm	0.3001 ppm	77.8178 ppm	11.9636 ppm	0.1119 ppm
Concentration RSD	0.7 %	0.3 %	0.7 %	0.3 %	0.4 %	0.2 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	25.6232 ppm	1.4778 ppm	0.9690 ppm	10.3900 ppm	0.5593 ppm	0.5970 ppm	0.2113 ppm
Concentration per Run	25.4677 ppm	1.4794 ppm	0.9649 ppm	10.3503 ppm	0.5579 ppm	0.5975 ppm	0.2134 ppm
Concentration per Run	25.6594 ppm	1.4809 ppm	0.9702 ppm	10.4137 ppm	0.5616 ppm	0.5966 ppm	0.2085 ppm
Concentration per Run	25.7426 ppm	1.4730 ppm	0.9720 ppm	10.4061 ppm	0.5583 ppm	0.5969 ppm	0.2119 ppm
Concentration RSD	0.6 %	0.3 %	0.4 %	0.3 %	0.4 %	0.1 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1128 ppm	3.1233 ppm	0.8489 ppm	0.9981 ppm	0.9810 ppm	0.1176 ppm	0.5738 ppm
Concentration per Run	0.1172 ppm	3.1151 ppm	0.8448 ppm	1.0001 ppm	0.9773 ppm	0.1165 ppm	0.5717 ppm
Concentration per Run	0.1106 ppm	3.1216 ppm	0.8492 ppm	0.9994 ppm	0.9799 ppm	0.1176 ppm	0.5745 ppm
Concentration per Run	0.1106 ppm	3.1332 ppm	0.8528 ppm	0.9948 ppm	0.9857 ppm	0.1186 ppm	0.5752 ppm
Concentration RSD	3.4 %	0.3 %	0.5 %	0.3 %	0.4 %	0.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7030 ppm	97.5257 %	98.2637 %	92.3059 %	98.1505 %	101.9613 %	96.5538 %
Concentration per Run	0.6995 ppm	97.8883 %	98.2757 %	91.5285 %	98.0831 %	101.0687 %	95.7481 %
Concentration per Run	0.7059 ppm	96.9335 %	98.3978 %	93.1555 %	98.2081 %	102.7113 %	97.4556 %
Concentration per Run	0.7036 ppm	97.7554 %	98.1176 %	92.2338 %	98.1603 %	102.1038 %	96.4578 %
Concentration RSD	0.5 %	0.5 %	0.1 %	0.9 %	0.1 %	0.8 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-5d2 WG2110788

Analysis started at: 9/11/2025 2:30:03 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 55

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0469 ppm	46.8384 ppm	0.1304 ppm	0.9243 ppm	1.9742 ppm	0.0495 ppm	11.9069 ppm
Concentration per Run	0.0473 ppm	46.9453 ppm	0.1314 ppm	0.9304 ppm	1.9737 ppm	0.0493 ppm	11.8861 ppm
Concentration per Run	0.0463 ppm	46.9380 ppm	0.1308 ppm	0.9160 ppm	1.9784 ppm	0.0496 ppm	11.9559 ppm
Concentration per Run	0.0471 ppm	46.6319 ppm	0.1290 ppm	0.9265 ppm	1.9703 ppm	0.0495 ppm	11.8787 ppm
Concentration RSD	1.1 %	0.4 %	1.0 %	0.8 %	0.2 %	0.3 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0502 ppm	0.4864 ppm	0.2304 ppm	0.2783 ppm	79.7197 ppm	12.4160 ppm	0.0939 ppm
Concentration per Run	0.0506 ppm	0.4902 ppm	0.2318 ppm	0.2787 ppm	78.9945 ppm	12.4036 ppm	0.0954 ppm
Concentration per Run	0.0497 ppm	0.4826 ppm	0.2285 ppm	0.2769 ppm	80.1668 ppm	12.4533 ppm	0.0942 ppm
Concentration per Run	0.0503 ppm	0.4865 ppm	0.2310 ppm	0.2792 ppm	79.9977 ppm	12.3912 ppm	0.0922 ppm
Concentration RSD	0.9 %	0.8 %	0.7 %	0.4 %	0.8 %	0.3 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	23.6155 ppm	1.3679 ppm	0.9300 ppm	9.7805 ppm	0.5319 ppm	0.5607 ppm	0.4771 ppm
Concentration per Run	23.9005 ppm	1.3724 ppm	0.9371 ppm	9.8684 ppm	0.5339 ppm	0.5599 ppm	0.4784 ppm
Concentration per Run	23.4668 ppm	1.3663 ppm	0.9244 ppm	9.7376 ppm	0.5311 ppm	0.5640 ppm	0.4747 ppm
Concentration per Run	23.4791 ppm	1.3649 ppm	0.9284 ppm	9.7356 ppm	0.5308 ppm	0.5583 ppm	0.4782 ppm
Concentration RSD	1.0 %	0.3 %	0.7 %	0.8 %	0.3 %	0.5 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1142 ppm	2.5531 ppm	0.9367 ppm	0.9475 ppm	1.2198 ppm	0.1122 ppm	0.5462 ppm
Concentration per Run	0.1145 ppm	2.5734 ppm	0.9318 ppm	0.9460 ppm	1.2231 ppm	0.1130 ppm	0.5501 ppm
Concentration per Run	0.1089 ppm	2.5427 ppm	0.9310 ppm	0.9517 ppm	1.2240 ppm	0.1122 ppm	0.5425 ppm
Concentration per Run	0.1191 ppm	2.5433 ppm	0.9473 ppm	0.9449 ppm	1.2124 ppm	0.1114 ppm	0.5461 ppm
Concentration RSD	4.5 %	0.7 %	1.0 %	0.4 %	0.5 %	0.7 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6578 ppm	97.9379 %	98.2641 %	93.2548 %	98.4878 %	101.3553 %	97.5968 %
Concentration per Run	0.6623 ppm	97.0814 %	98.2468 %	93.4744 %	97.4099 %	102.9945 %	97.7652 %
Concentration per Run	0.6521 ppm	99.0737 %	97.7597 %	93.4636 %	99.4173 %	99.7722 %	97.9423 %
Concentration per Run	0.6590 ppm	97.6584 %	98.7860 %	92.8263 %	98.6360 %	101.2992 %	97.0827 %
Concentration RSD	0.8 %	1.0 %	0.5 %	0.4 %	1.0 %	1.6 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-6d10 WG2110788

Analysis started at: 9/11/2025 2:32:08 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 56

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	9.8878 ppm	0.0055 ppm	0.0022 ppm	0.0248 ppm	0.0003 ppm	0.4602 ppm
Concentration per Run	-0.0009 ppm	9.8775 ppm	0.0066 ppm	0.0028 ppm	0.0247 ppm	0.0003 ppm	0.4596 ppm
Concentration per Run	0.0001 ppm	9.8461 ppm	0.0049 ppm	0.0032 ppm	0.0247 ppm	0.0003 ppm	0.4587 ppm
Concentration per Run	-0.0004 ppm	9.9399 ppm	0.0051 ppm	0.0005 ppm	0.0251 ppm	0.0002 ppm	0.4624 ppm
Concentration RSD	134.5 %	0.5 %	17.1 %	66.1 %	0.9 %	12.8 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0064 ppm	0.0088 ppm	0.0073 ppm	17.6610 ppm	0.5642 ppm	0.0207 ppm
Concentration per Run	0.0001 ppm	0.0061 ppm	0.0091 ppm	0.0075 ppm	17.3839 ppm	0.5773 ppm	0.0210 ppm
Concentration per Run	0.0001 ppm	0.0068 ppm	0.0090 ppm	0.0070 ppm	17.7245 ppm	0.5525 ppm	0.0211 ppm
Concentration per Run	0.0001 ppm	0.0063 ppm	0.0083 ppm	0.0073 ppm	17.8747 ppm	0.5629 ppm	0.0201 ppm
Concentration RSD	41.5 %	6.0 %	4.9 %	3.3 %	1.4 %	2.2 %	2.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.0172 ppm	0.1969 ppm	0.0003 ppm	0.0102 ppm	0.0131 ppm	0.0112 ppm	-0.0005 ppm
Concentration per Run	3.0098 ppm	0.1960 ppm	0.0002 ppm	0.0083 ppm	0.0124 ppm	0.0115 ppm	-0.0015 ppm
Concentration per Run	3.0038 ppm	0.1964 ppm	0.0000 ppm	0.0136 ppm	0.0130 ppm	0.0115 ppm	0.0010 ppm
Concentration per Run	3.0380 ppm	0.1982 ppm	0.0005 ppm	0.0085 ppm	0.0138 ppm	0.0107 ppm	-0.0010 ppm
Concentration RSD	0.6 %	0.6 %	86.6 %	29.6 %	5.2 %	4.3 %	272.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	0.2800 ppm	0.0020 ppm	0.0023 ppm	0.0544 ppm	0.0001 ppm	0.0117 ppm
Concentration per Run	0.0011 ppm	0.2784 ppm	0.0022 ppm	0.0024 ppm	0.0537 ppm	0.0020 ppm	0.0119 ppm
Concentration per Run	0.0020 ppm	0.2822 ppm	0.0017 ppm	0.0022 ppm	0.0545 ppm	-0.0006 ppm	0.0113 ppm
Concentration per Run	0.0026 ppm	0.2794 ppm	0.0023 ppm	0.0023 ppm	0.0549 ppm	-0.0010 ppm	0.0119 ppm
Concentration RSD	40.5 %	0.7 %	14.7 %	3.9 %	1.1 %	1,561.4 %	3.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0430 ppm	99.2496 %	98.4206 %	98.3621 %	98.8876 %	100.2286 %	98.4580 %
Concentration per Run	0.0430 ppm	99.5360 %	98.7189 %	98.5275 %	98.9415 %	100.3513 %	98.6958 %
Concentration per Run	0.0432 ppm	99.0523 %	97.9080 %	98.6226 %	98.2906 %	100.0901 %	98.6902 %
Concentration per Run	0.0428 ppm	99.1605 %	98.6349 %	97.9362 %	99.4307 %	100.2444 %	97.9881 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.4 %	0.6 %	0.1 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 2:34:13 PM

Analysis started at:

Comment: <Comment>

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5066 ppm	0.4819 ppm	0.4861 ppm	0.4875 ppm	0.4931 ppm	0.5072 ppm	0.4946 ppm
Concentration per Run	0.5068 ppm	0.4860 ppm	0.4849 ppm	0.4877 ppm	0.4936 ppm	0.5072 ppm	0.4938 ppm
Concentration per Run	0.5059 ppm	0.4800 ppm	0.4877 ppm	0.4868 ppm	0.4932 ppm	0.5076 ppm	0.4902 ppm
Concentration per Run	0.5071 ppm	0.4797 ppm	0.4858 ppm	0.4881 ppm	0.4925 ppm	0.5068 ppm	0.4998 ppm
Recovery Percentage	101.323 %	96.385 %	97.227 %	97.499 %	98.621 %	101.437 %	98.914 %
Concentration RSD	0.1 %	0.7 %	0.3 %	0.1 %	0.1 %	0.1 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5194 ppm	0.5094 ppm	0.5142 ppm	0.5236 ppm	0.5015 ppm	5.1811 ppm	0.4982 ppm
Concentration per Run	0.5189 ppm	0.5119 ppm	0.5139 ppm	0.5242 ppm	0.5021 ppm	5.2076 ppm	0.5002 ppm
Concentration per Run	0.5178 ppm	0.5069 ppm	0.5139 ppm	0.5239 ppm	0.5043 ppm	5.1789 ppm	0.4966 ppm
Concentration per Run	0.5214 ppm	0.5095 ppm	0.5147 ppm	0.5228 ppm	0.4981 ppm	5.1569 ppm	0.4976 ppm
Recovery Percentage	103.871 %	101.882 %	102.837 %	104.728 %	100.296 %	103.623 %	99.631 %
Concentration RSD	0.4 %	0.5 %	0.1 %	0.1 %	0.6 %	0.5 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5247 ppm	0.5077 ppm	0.4911 ppm	10.2251 ppm	0.5175 ppm	0.5085 ppm	0.5179 ppm
Concentration per Run	0.5293 ppm	0.5079 ppm	0.4906 ppm	10.2732 ppm	0.5182 ppm	0.5084 ppm	0.5197 ppm
Concentration per Run	0.5192 ppm	0.5083 ppm	0.4899 ppm	10.2664 ppm	0.5154 ppm	0.5072 ppm	0.5133 ppm
Concentration per Run	0.5256 ppm	0.5068 ppm	0.4927 ppm	10.1358 ppm	0.5188 ppm	0.5098 ppm	0.5207 ppm
Recovery Percentage	104.937 %	101.532 %	98.214 %	102.251 %	103.494 %	101.684 %	103.579 %
Concentration RSD	1.0 %	0.2 %	0.3 %	0.8 %	0.4 %	0.3 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4847 ppm	5.4590 ppm	0.5014 ppm	0.5019 ppm	0.5129 ppm	0.4940 ppm	0.5171 ppm
Concentration per Run	0.4848 ppm	5.4686 ppm	0.5025 ppm	0.5024 ppm	0.5149 ppm	0.4925 ppm	0.5176 ppm
Concentration per Run	0.4808 ppm	5.4369 ppm	0.5046 ppm	0.5014 ppm	0.5099 ppm	0.4925 ppm	0.5154 ppm
Concentration per Run	0.4886 ppm	5.4714 ppm	0.4971 ppm	0.5018 ppm	0.5138 ppm	0.4970 ppm	0.5182 ppm
Recovery Percentage	96.946 %	103.980 %	100.285 %	100.374 %	102.574 %	98.802 %	103.413 %
Concentration RSD	0.8 %	0.4 %	0.8 %	0.1 %	0.5 %	0.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4986 ppm	98.7099 %	97.7875 %	97.7541 %	96.7955 %	98.8351 %	96.5804 %
Concentration per Run	0.4991 ppm	98.1278 %	97.9721 %	98.3022 %	96.6219 %	98.9320 %	96.9667 %
Concentration per Run	0.4965 ppm	99.4416 %	97.7388 %	97.3694 %	97.4826 %	99.5537 %	95.9590 %
Concentration per Run	0.5003 ppm	98.5604 %	97.6517 %	97.5905 %	96.2820 %	98.0196 %	96.8156 %
Recovery Percentage	99.722 %						
Concentration RSD	0.4 %	0.7 %	0.2 %	0.5 %	0.6 %	0.8 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 2:36:18 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0028 ppm	-0.0003 ppm	0.0014 ppm	-0.0002 ppm	0.0000 ppm	-0.0067 ppm
Concentration per Run	-0.0004 ppm	0.0004 ppm	-0.0010 ppm	0.0027 ppm	0.0000 ppm	0.0000 ppm	-0.0065 ppm
Concentration per Run	0.0000 ppm	0.0010 ppm	-0.0013 ppm	0.0014 ppm	-0.0002 ppm	0.0000 ppm	-0.0054 ppm
Concentration per Run	-0.0006 ppm	0.0019 ppm	0.0014 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0082 ppm
Recovery Percentage	-4.814 %	2.825 %	-6.066 %	4.773 %	-1.986 %	0.835 %	-6.724 %
Concentration RSD	91.4 %	86.1 %	485.2 %	82.6 %	49.5 %	32.7 %	21.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm	0.0015 ppm	-0.0390 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0008 ppm	-0.0178 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm	-0.0475 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0007 ppm	0.0001 ppm	0.0027 ppm	-0.0517 ppm	0.0009 ppm
Recovery Percentage	1.494 %	1.857 %	1.857 %	-3.646 %	2.945 %	-1.559 %	19.746 %
Concentration RSD	34.4 %	87.3 %	87.3 %	104.7 %	73.6 %	47.4 %	55.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0114 ppm	-0.0007 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run	-0.0023 ppm	-0.0002 ppm	-0.0001 ppm	-0.0112 ppm	-0.0003 ppm	-0.0002 ppm	0.0034 ppm
Concentration per Run	0.0004 ppm	0.0000 ppm	-0.0003 ppm	-0.0152 ppm	-0.0001 ppm	0.0011 ppm	0.0024 ppm
Concentration per Run	-0.0010 ppm	0.0002 ppm	0.0004 ppm	-0.0079 ppm	-0.0017 ppm	-0.0013 ppm	0.0023 ppm
Recovery Percentage	-0.988 %	0.060 %	-0.066 %	-0.571 %	-2.828 %	-1.195 %	5.383 %
Concentration RSD	135.2 %	2.804 %	1.081 %	32.3 %	122.6 %	984.9 %	21.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0013 ppm	0.0009 ppm	0.0001 ppm	-0.0001 ppm	-0.0011 ppm	0.0013 ppm	-0.0003 ppm
Concentration per Run	0.0011 ppm	0.0003 ppm	-0.0001 ppm	-0.0001 ppm	-0.0006 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	-0.0012 ppm	0.0002 ppm	0.0005 ppm	-0.0002 ppm	-0.0013 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	-0.0036 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0014 ppm	0.0008 ppm	-0.0008 ppm
Recovery Percentage	-12.677 %	0.188 %	0.224 %	-0.945 %	-11.108 %	6.457 %	-2.669 %
Concentration RSD	184.4 %	121.8 %	319.6 %	65.4 %	39.6 %	54.1 %	159.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.4687 %	96.8350 %	97.5169 %	98.2011 %	99.6370 %	97.4393 %
Concentration per Run	0.0004 ppm	98.1169 %	96.2710 %	97.7461 %	98.3982 %	99.2958 %	97.6198 %
Concentration per Run	0.0000 ppm	97.1932 %	96.5982 %	97.3606 %	98.2886 %	100.3878 %	96.9893 %
Concentration per Run	0.0001 ppm	97.0959 %	97.6356 %	97.4439 %	97.9164 %	99.2274 %	97.7088 %
Recovery Percentage	3.121 %						
Concentration RSD	115.4 %	0.6 %	0.7 %	0.2 %	0.3 %	0.7 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553934-19d2 WG2110788

Analysis started at: 9/11/2025 2:38:24 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	56.6475 ppm	0.0300 ppm	0.0082 ppm	0.2826 ppm	0.0042 ppm	5.1353 ppm
Concentration per Run	0.0002 ppm	56.5224 ppm	0.0294 ppm	0.0080 ppm	0.2821 ppm	0.0043 ppm	5.1349 ppm
Concentration per Run	0.0001 ppm	56.5339 ppm	0.0290 ppm	0.0077 ppm	0.2821 ppm	0.0042 ppm	5.1317 ppm
Concentration per Run	0.0000 ppm	56.7862 ppm	0.0316 ppm	0.0088 ppm	0.2836 ppm	0.0042 ppm	5.1395 ppm
Concentration RSD	163.6 %	0.2 %	4.6 %	6.9 %	0.3 %	1.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0650 ppm	0.2197 ppm	0.0823 ppm	95.6920 ppm	4.6149 ppm	0.0632 ppm
Concentration per Run	0.0006 ppm	0.0652 ppm	0.2181 ppm	0.0821 ppm	95.9936 ppm	4.5967 ppm	0.0638 ppm
Concentration per Run	0.0006 ppm	0.0647 ppm	0.2204 ppm	0.0821 ppm	95.3498 ppm	4.6104 ppm	0.0628 ppm
Concentration per Run	0.0006 ppm	0.0651 ppm	0.2207 ppm	0.0826 ppm	95.7327 ppm	4.6376 ppm	0.0631 ppm
Concentration RSD	6.0 %	0.4 %	0.6 %	0.4 %	0.3 %	0.5 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.7846 ppm	0.7314 ppm	0.0028 ppm	0.6732 ppm	0.0853 ppm	0.0856 ppm	0.0022 ppm
Concentration per Run	14.6633 ppm	0.7283 ppm	0.0027 ppm	0.6622 ppm	0.0841 ppm	0.0842 ppm	-0.0001 ppm
Concentration per Run	14.7756 ppm	0.7318 ppm	0.0028 ppm	0.6790 ppm	0.0863 ppm	0.0864 ppm	0.0050 ppm
Concentration per Run	14.9148 ppm	0.7341 ppm	0.0028 ppm	0.6782 ppm	0.0856 ppm	0.0863 ppm	0.0016 ppm
Concentration RSD	0.9 %	0.4 %	1.7 %	1.4 %	1.3 %	1.4 %	119.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0011 ppm	1.4842 ppm	0.0065 ppm	0.0542 ppm	1.5615 ppm	-0.0003 ppm	0.2216 ppm
Concentration per Run	-0.0011 ppm	1.4786 ppm	0.0063 ppm	0.0543 ppm	1.5485 ppm	-0.0005 ppm	0.2198 ppm
Concentration per Run	0.0026 ppm	1.4851 ppm	0.0078 ppm	0.0540 ppm	1.5577 ppm	-0.0007 ppm	0.2223 ppm
Concentration per Run	0.0017 ppm	1.4890 ppm	0.0054 ppm	0.0543 ppm	1.5784 ppm	0.0002 ppm	0.2227 ppm
Concentration RSD	174.0 %	0.4 %	18.6 %	0.2 %	1.0 %	146.1 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2403 ppm	102.0663 %	101.9877 %	96.7386 %	116.2572 %	120.3771 %	116.4370 %
Concentration per Run	0.2377 ppm	102.7260 %	103.0265 %	96.5905 %	116.4434 %	119.3166 %	115.8888 %
Concentration per Run	0.2416 ppm	101.3949 %	101.8912 %	96.3634 %	115.5568 %	120.9438 %	116.1754 %
Concentration per Run	0.2416 ppm	102.0781 %	101.0454 %	97.2619 %	116.7713 %	120.8708 %	117.2468 %
Concentration RSD	0.9 %	0.7 %	1.0 %	0.5 %	0.5 %	0.8 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553984-01d2 WG2110788

Analysis started at: 9/11/2025 2:40:29 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	40.2088 ppm	0.0128 ppm	0.0068 ppm	0.3166 ppm	0.0016 ppm	339.7666 ppm
Concentration per Run	-0.0004 ppm	40.2731 ppm	0.0123 ppm	0.0071 ppm	0.3180 ppm	0.0016 ppm	339.7302 ppm
Concentration per Run	-0.0004 ppm	40.3736 ppm	0.0115 ppm	0.0067 ppm	0.3178 ppm	0.0017 ppm	340.4140 ppm
Concentration per Run	0.0000 ppm	39.9798 ppm	0.0145 ppm	0.0066 ppm	0.3140 ppm	0.0016 ppm	339.1555 ppm
Concentration RSD	105.0 %	0.5 %	11.9 %	4.0 %	0.7 %	2.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0029 ppm	0.0827 ppm	0.1044 ppm	0.6171 ppm	75.5976 ppm	12.4128 ppm	0.0575 ppm
Concentration per Run	-0.0031 ppm	0.0824 ppm	0.1052 ppm	0.6178 ppm	75.6770 ppm	12.3454 ppm	0.0596 ppm
Concentration per Run	-0.0029 ppm	0.0821 ppm	0.1040 ppm	0.6183 ppm	75.7794 ppm	12.4915 ppm	0.0602 ppm
Concentration per Run	-0.0028 ppm	0.0836 ppm	0.1040 ppm	0.6152 ppm	75.3365 ppm	12.4015 ppm	0.0527 ppm
Concentration RSD	4.1 %	0.9 %	0.6 %	0.3 %	0.3 %	0.6 %	7.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	218.1956 ppm	1.9803 ppm	0.0078 ppm	7.1192 ppm	0.1057 ppm	0.2226 ppm	0.0015 ppm
Concentration per Run	220.2251 ppm	1.9925 ppm	0.0080 ppm	7.0934 ppm	0.1058 ppm	0.2236 ppm	0.0004 ppm
Concentration per Run	219.1920 ppm	1.9828 ppm	0.0081 ppm	7.1928 ppm	0.1056 ppm	0.2213 ppm	-0.0005 ppm
Concentration per Run	215.1698 ppm	1.9656 ppm	0.0074 ppm	7.0715 ppm	0.1058 ppm	0.2229 ppm	0.0047 ppm
Concentration RSD	1.2 %	0.7 %	4.7 %	0.9 %	0.1 %	0.5 %	183.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	1.7476 ppm	0.0319 ppm	0.2983 ppm	3.0712 ppm	0.0038 ppm	0.1323 ppm
Concentration per Run	0.0033 ppm	1.7520 ppm	0.0309 ppm	0.2997 ppm	3.0996 ppm	0.0043 ppm	0.1328 ppm
Concentration per Run	0.0017 ppm	1.7537 ppm	0.0308 ppm	0.2998 ppm	3.0859 ppm	0.0040 ppm	0.1326 ppm
Concentration per Run	0.0056 ppm	1.7371 ppm	0.0340 ppm	0.2953 ppm	3.0281 ppm	0.0030 ppm	0.1316 ppm
Concentration RSD	55.9 %	0.5 %	5.8 %	0.9 %	1.2 %	18.0 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4598 ppm	93.8411 %	97.6516 %	85.4903 %	97.2132 %	104.0439 %	95.8510 %
Concentration per Run	0.4577 ppm	94.0923 %	97.8923 %	85.4424 %	97.7504 %	104.0470 %	96.0508 %
Concentration per Run	0.4609 ppm	93.8576 %	97.6012 %	85.3251 %	97.3709 %	105.1441 %	95.5530 %
Concentration per Run	0.4607 ppm	93.5734 %	97.4612 %	85.7035 %	96.5184 %	102.9405 %	95.9494 %
Concentration RSD	0.4 %	0.3 %	0.2 %	0.2 %	0.6 %	1.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553984-03d2 WG2110788

Analysis started at: 9/11/2025 2:42:34 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0009 ppm	58.7471 ppm	0.0139 ppm	0.0116 ppm	0.3933 ppm	0.0028 ppm	108.6705 ppm
Concentration per Run	0.0009 ppm	58.8011 ppm	0.0127 ppm	0.0121 ppm	0.3921 ppm	0.0028 ppm	108.7092 ppm
Concentration per Run	0.0009 ppm	58.5968 ppm	0.0137 ppm	0.0108 ppm	0.3927 ppm	0.0027 ppm	108.5639 ppm
Concentration per Run	0.0009 ppm	58.8433 ppm	0.0154 ppm	0.0117 ppm	0.3952 ppm	0.0028 ppm	108.7384 ppm
Concentration RSD	1.4 %	0.2 %	9.8 %	5.7 %	0.4 %	1.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.1182 ppm	0.1977 ppm	0.8818 ppm	109.1663 ppm	10.1024 ppm	0.0717 ppm
Concentration per Run	0.0000 ppm	0.1180 ppm	0.1970 ppm	0.8758 ppm	109.4726 ppm	10.1204 ppm	0.0744 ppm
Concentration per Run	0.0000 ppm	0.1187 ppm	0.1970 ppm	0.8808 ppm	108.7361 ppm	10.0650 ppm	0.0727 ppm
Concentration per Run	0.0000 ppm	0.1180 ppm	0.1993 ppm	0.8888 ppm	109.2903 ppm	10.1219 ppm	0.0679 ppm
Concentration RSD	1.531.7 %	0.3 %	0.7 %	0.7 %	0.4 %	0.3 %	4.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	51.6192 ppm	2.1595 ppm	0.0096 ppm	9.8463 ppm	0.1562 ppm	0.1675 ppm	-0.0001 ppm
Concentration per Run	51.3250 ppm	2.1609 ppm	0.0099 ppm	9.8015 ppm	0.1562 ppm	0.1681 ppm	0.0024 ppm
Concentration per Run	51.6550 ppm	2.1587 ppm	0.0090 ppm	9.7903 ppm	0.1565 ppm	0.1668 ppm	0.0009 ppm
Concentration per Run	51.8775 ppm	2.1609 ppm	0.0098 ppm	9.9469 ppm	0.1560 ppm	0.1675 ppm	-0.0036 ppm
Concentration RSD	0.5 %	0.1 %	4.9 %	0.9 %	0.1 %	0.4 %	3.402.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0118 ppm	2.1418 ppm	0.0391 ppm	0.2856 ppm	3.1766 ppm	0.0015 ppm	0.2007 ppm
Concentration per Run	0.0097 ppm	2.1481 ppm	0.0394 ppm	0.2858 ppm	3.1663 ppm	0.0018 ppm	0.2003 ppm
Concentration per Run	0.0113 ppm	2.1494 ppm	0.0381 ppm	0.2846 ppm	3.1673 ppm	0.0020 ppm	0.2011 ppm
Concentration per Run	0.0144 ppm	2.1280 ppm	0.0399 ppm	0.2864 ppm	3.1963 ppm	0.0007 ppm	0.2006 ppm
Concentration RSD	20.1 %	0.6 %	2.4 %	0.3 %	0.5 %	47.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5446 ppm	99.5030 %	100.9027 %	92.3066 %	107.2211 %	114.4548 %	106.9522 %
Concentration per Run	0.5448 ppm	100.1713 %	100.9487 %	92.6878 %	108.0167 %	114.2152 %	107.3060 %
Concentration per Run	0.5446 ppm	99.0111 %	100.8400 %	92.5241 %	106.3608 %	114.0292 %	107.2323 %
Concentration per Run	0.5445 ppm	99.3266 %	100.9196 %	91.7079 %	107.2857 %	115.1201 %	106.3182 %
Concentration RSD	0.0 %	0.6 %	0.1 %	0.6 %	0.8 %	0.5 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553988-09d2 WG2110788

Analysis started at: 9/11/2025 2:44:39 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0013 ppm	40.9732 ppm	0.0275 ppm	0.0062 ppm	0.0987 ppm	0.0016 ppm	8.5570 ppm
Concentration per Run	0.0014 ppm	41.1227 ppm	0.0259 ppm	0.0045 ppm	0.0991 ppm	0.0017 ppm	8.6146 ppm
Concentration per Run	0.0011 ppm	41.0183 ppm	0.0283 ppm	0.0061 ppm	0.0986 ppm	0.0017 ppm	8.5267 ppm
Concentration per Run	0.0014 ppm	40.7785 ppm	0.0282 ppm	0.0081 ppm	0.0985 ppm	0.0016 ppm	8.5297 ppm
Concentration RSD	11.3 %	0.4 %	4.9 %	28.6 %	0.4 %	3.4 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0017 ppm	0.0017 ppm	0.0310 ppm	164.5563 ppm	1.7984 ppm	0.0141 ppm
Concentration per Run	0.0003 ppm	0.0016 ppm	0.0016 ppm	0.0322 ppm	165.3718 ppm	1.8236 ppm	0.0148 ppm
Concentration per Run	0.0002 ppm	0.0015 ppm	0.0015 ppm	0.0302 ppm	164.6577 ppm	1.7880 ppm	0.0133 ppm
Concentration per Run	0.0003 ppm	0.0019 ppm	0.0019 ppm	0.0305 ppm	163.6394 ppm	1.7835 ppm	0.0140 ppm
Concentration RSD	29.6 %	10.7 %	0.4 %	3.4 %	0.5 %	1.2 %	5.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.6112 ppm	1.3557 ppm	0.0046 ppm	0.0627 ppm	0.0054 ppm	0.0435 ppm	-0.0011 ppm
Concentration per Run	1.6007 ppm	1.3564 ppm	0.0047 ppm	0.0666 ppm	0.0052 ppm	0.0421 ppm	-0.0016 ppm
Concentration per Run	1.6188 ppm	1.3594 ppm	0.0045 ppm	0.0671 ppm	0.0059 ppm	0.0453 ppm	-0.0031 ppm
Concentration per Run	1.6140 ppm	1.3514 ppm	0.0047 ppm	0.0645 ppm	0.0052 ppm	0.0432 ppm	0.0012 ppm
Concentration RSD	0.6 %	0.3 %	1.9 %	8.0 %	7.5 %	3.7 %	193.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0052 ppm	1.9599 ppm	0.0062 ppm	0.0670 ppm	0.1750 ppm	-0.0013 ppm	0.1797 ppm
Concentration per Run	0.0049 ppm	1.9501 ppm	0.0067 ppm	0.0673 ppm	0.1741 ppm	-0.0013 ppm	0.1789 ppm
Concentration per Run	0.0047 ppm	1.9674 ppm	0.0052 ppm	0.0668 ppm	0.1755 ppm	-0.0027 ppm	0.1801 ppm
Concentration per Run	0.0062 ppm	1.9623 ppm	0.0068 ppm	0.0667 ppm	0.1754 ppm	0.0002 ppm	0.1801 ppm
Concentration RSD	15.5 %	0.5 %	13.8 %	0.5 %	0.4 %	114.7 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0521 ppm	105.7109 %	104.0369 %	99.3857 %	106.4946 %	108.5107 %	105.7692 %
Concentration per Run	0.0517 ppm	105.3698 %	104.6369 %	99.0947 %	105.7373 %	107.6476 %	105.6349 %
Concentration per Run	0.0522 ppm	106.2766 %	103.1884 %	99.2958 %	107.1535 %	108.1967 %	105.8338 %
Concentration per Run	0.0525 ppm	105.4863 %	104.2854 %	99.7665 %	106.5931 %	109.6879 %	105.8388 %
Concentration RSD	0.8 %	0.5 %	0.7 %	0.3 %	0.7 %	1.0 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553988-14d2 WG2110788

Analysis started at: 9/11/2025 2:46:45 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	71.4510 ppm	0.0204 ppm	0.0087 ppm	0.2619 ppm	0.0016 ppm	8.9984 ppm
Concentration per Run	0.0008 ppm	71.4266 ppm	0.0232 ppm	0.0096 ppm	0.2610 ppm	0.0017 ppm	9.0126 ppm
Concentration per Run	-0.0004 ppm	71.5889 ppm	0.0182 ppm	0.0076 ppm	0.2628 ppm	0.0016 ppm	8.9963 ppm
Concentration per Run	0.0008 ppm	71.3376 ppm	0.0198 ppm	0.0089 ppm	0.2619 ppm	0.0017 ppm	8.9863 ppm
Concentration RSD	164.2 %	0.2 %	12.5 %	11.8 %	0.3 %	1.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0042 ppm	0.0043 ppm	0.0230 ppm	88.5014 ppm	2.4773 ppm	0.0401 ppm
Concentration per Run	0.0001 ppm	0.0043 ppm	0.0043 ppm	0.0230 ppm	88.8748 ppm	2.5052 ppm	0.0417 ppm
Concentration per Run	0.0002 ppm	0.0040 ppm	0.0040 ppm	0.0231 ppm	88.8334 ppm	2.4724 ppm	0.0381 ppm
Concentration per Run	0.0001 ppm	0.0043 ppm	0.0043 ppm	0.0232 ppm	87.7959 ppm	2.4545 ppm	0.0407 ppm
Concentration RSD	103.7 %	5.0 %	0.3 %	1.3 %	0.7 %	1.0 %	4.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.3446 ppm	0.0680 ppm	0.0030 ppm	0.0857 ppm	0.0124 ppm	0.0561 ppm	0.0022 ppm
Concentration per Run	2.3538 ppm	0.0683 ppm	0.0029 ppm	0.0801 ppm	0.0124 ppm	0.0565 ppm	0.0031 ppm
Concentration per Run	2.3481 ppm	0.0681 ppm	0.0037 ppm	0.0873 ppm	0.0127 ppm	0.0570 ppm	-0.0020 ppm
Concentration per Run	2.3321 ppm	0.0676 ppm	0.0024 ppm	0.0897 ppm	0.0123 ppm	0.0547 ppm	0.0055 ppm
Concentration RSD	0.5 %	0.5 %	21.6 %	5.8 %	1.7 %	2.1 %	173.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	1.9346 ppm	0.0064 ppm	0.0670 ppm	0.2234 ppm	0.0007 ppm	0.1640 ppm
Concentration per Run	0.0032 ppm	1.9420 ppm	0.0069 ppm	0.0671 ppm	0.2242 ppm	0.0005 ppm	0.1649 ppm
Concentration per Run	0.0038 ppm	1.9338 ppm	0.0071 ppm	0.0670 ppm	0.2241 ppm	0.0013 ppm	0.1637 ppm
Concentration per Run	0.0031 ppm	1.9280 ppm	0.0054 ppm	0.0670 ppm	0.2218 ppm	0.0004 ppm	0.1634 ppm
Concentration RSD	10.8 %	0.4 %	14.4 %	0.0 %	0.6 %	63.6 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0505 ppm	101.1927 %	102.2248 %	96.8028 %	99.8307 %	104.4667 %	100.2421 %
Concentration per Run	0.0500 ppm	101.4485 %	102.9593 %	96.4713 %	100.1241 %	104.5960 %	99.9233 %
Concentration per Run	0.0511 ppm	100.9006 %	102.1206 %	97.0908 %	99.4657 %	104.3158 %	100.6388 %
Concentration per Run	0.0505 ppm	101.2288 %	101.5945 %	96.8462 %	99.9022 %	104.4883 %	100.1643 %
Concentration RSD	1.1 %	0.3 %	0.7 %	0.3 %	0.3 %	0.1 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-03d2 WG2110788

Analysis started at: 9/11/2025 2:48:50 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 57

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	32.0663 ppm	0.0311 ppm	0.0877 ppm	0.0659 ppm	0.0021 ppm	5.0582 ppm
Concentration per Run	0.0003 ppm	32.0202 ppm	0.0305 ppm	0.0875 ppm	0.0663 ppm	0.0021 ppm	5.0566 ppm
Concentration per Run	0.0006 ppm	32.0548 ppm	0.0333 ppm	0.0886 ppm	0.0661 ppm	0.0021 ppm	5.0620 ppm
Concentration per Run	0.0005 ppm	32.1238 ppm	0.0295 ppm	0.0869 ppm	0.0652 ppm	0.0020 ppm	5.0561 ppm
Concentration RSD	35.1 %	0.2 %	6.3 %	1.0 %	0.9 %	2.9 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0272 ppm	0.0733 ppm	0.0386 ppm	83.9513 ppm	13.4556 ppm	0.1101 ppm
Concentration per Run	0.0004 ppm	0.0271 ppm	0.0736 ppm	0.0387 ppm	84.5640 ppm	13.4768 ppm	0.1115 ppm
Concentration per Run	0.0006 ppm	0.0273 ppm	0.0722 ppm	0.0384 ppm	84.3437 ppm	13.4541 ppm	0.1099 ppm
Concentration per Run	0.0007 ppm	0.0271 ppm	0.0739 ppm	0.0387 ppm	82.9462 ppm	13.4361 ppm	0.1089 ppm
Concentration RSD	28.3 %	0.4 %	1.2 %	0.4 %	1.0 %	0.2 %	1.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.7342 ppm	1.2888 ppm	0.0113 ppm	15.4125 ppm	0.0660 ppm	0.0543 ppm	-0.0009 ppm
Concentration per Run	19.6931 ppm	1.2915 ppm	0.0113 ppm	15.3930 ppm	0.0667 ppm	0.0536 ppm	-0.0020 ppm
Concentration per Run	19.8122 ppm	1.2887 ppm	0.0115 ppm	15.4204 ppm	0.0658 ppm	0.0553 ppm	-0.0029 ppm
Concentration per Run	19.6974 ppm	1.2862 ppm	0.0111 ppm	15.4240 ppm	0.0654 ppm	0.0540 ppm	0.0023 ppm
Concentration RSD	0.3 %	0.2 %	1.5 %	0.1 %	1.0 %	1.6 %	327.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0036 ppm	1.2740 ppm	0.0031 ppm	0.0646 ppm	0.7490 ppm	0.0010 ppm	0.0992 ppm
Concentration per Run	0.0038 ppm	1.2667 ppm	0.0039 ppm	0.0647 ppm	0.7472 ppm	0.0007 ppm	0.0989 ppm
Concentration per Run	0.0048 ppm	1.2801 ppm	0.0019 ppm	0.0649 ppm	0.7534 ppm	0.0020 ppm	0.0992 ppm
Concentration per Run	0.0020 ppm	1.2751 ppm	0.0034 ppm	0.0642 ppm	0.7464 ppm	0.0004 ppm	0.0995 ppm
Concentration RSD	40.1 %	0.5 %	33.8 %	0.6 %	0.5 %	80.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2211 ppm	100.6760 ppm	100.9983 ppm	96.7081 ppm	106.2206 ppm	109.6737 ppm	106.2769 ppm
Concentration per Run	0.2200 ppm	100.4470 ppm	100.9454 ppm	96.5508 ppm	105.9376 ppm	109.7206 ppm	106.0849 ppm
Concentration per Run	0.2210 ppm	100.9671 ppm	101.3968 ppm	96.6124 ppm	106.7359 ppm	110.1360 ppm	106.0662 ppm
Concentration per Run	0.2224 ppm	100.6140 ppm	100.6528 ppm	96.9612 ppm	105.9883 ppm	109.1643 ppm	106.6797 ppm
Concentration RSD	0.6 %	0.3 %	0.4 %	0.2 %	0.4 %	0.4 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-7d2 WG2110788

Analysis started at: 9/11/2025 2:50:55 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 58

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0401 ppm	42.3875 ppm	0.0967 ppm	0.6863 ppm	0.9899 ppm	0.0256 ppm	11.2988 ppm
Concentration per Run	0.0403 ppm	42.4039 ppm	0.0978 ppm	0.6801 ppm	0.9903 ppm	0.0257 ppm	11.3599 ppm
Concentration per Run	0.0407 ppm	42.4119 ppm	0.0955 ppm	0.6849 ppm	0.9904 ppm	0.0255 ppm	11.2398 ppm
Concentration per Run	0.0395 ppm	42.3468 ppm	0.0968 ppm	0.6940 ppm	0.9890 ppm	0.0255 ppm	11.2966 ppm
Concentration RSD	1.5 %	0.1 %	1.2 %	1.0 %	0.1 %	0.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0324 ppm	0.2545 ppm	0.1788 ppm	0.1702 ppm	108.2787 ppm	21.3545 ppm	0.1276 ppm
Concentration per Run	0.0321 ppm	0.2534 ppm	0.1783 ppm	0.1694 ppm	109.2250 ppm	21.3395 ppm	0.1325 ppm
Concentration per Run	0.0324 ppm	0.2552 ppm	0.1781 ppm	0.1707 ppm	107.7681 ppm	21.2737 ppm	0.1240 ppm
Concentration per Run	0.0327 ppm	0.2547 ppm	0.1799 ppm	0.1704 ppm	107.8431 ppm	21.4502 ppm	0.1262 ppm
Concentration RSD	0.9 %	0.4 %	0.6 %	0.4 %	0.8 %	0.4 %	3.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.2574 ppm	1.8658 ppm	0.4774 ppm	23.9585 ppm	0.3089 ppm	0.3831 ppm	0.0614 ppm
Concentration per Run	28.9698 ppm	1.8538 ppm	0.4714 ppm	23.6447 ppm	0.3065 ppm	0.3836 ppm	0.0612 ppm
Concentration per Run	29.1848 ppm	1.8739 ppm	0.4785 ppm	24.1526 ppm	0.3104 ppm	0.3828 ppm	0.0567 ppm
Concentration per Run	29.6176 ppm	1.8696 ppm	0.4823 ppm	24.0781 ppm	0.3098 ppm	0.3829 ppm	0.0662 ppm
Concentration RSD	1.1 %	0.6 %	1.2 %	1.1 %	0.7 %	0.1 %	7.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0792 ppm	2.7119 ppm	0.4118 ppm	0.5436 ppm	1.4951 ppm	0.0814 ppm	0.3607 ppm
Concentration per Run	0.0822 ppm	2.6966 ppm	0.4091 ppm	0.5438 ppm	1.4830 ppm	0.0818 ppm	0.3586 ppm
Concentration per Run	0.0780 ppm	2.7130 ppm	0.4129 ppm	0.5442 ppm	1.4922 ppm	0.0801 ppm	0.3609 ppm
Concentration per Run	0.0775 ppm	2.7262 ppm	0.4134 ppm	0.5429 ppm	1.5100 ppm	0.0822 ppm	0.3625 ppm
Concentration RSD	3.2 %	0.5 %	0.6 %	0.1 %	0.9 %	1.4 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5317 ppm	99.8397 %	100.2663 %	94.4106 %	107.7951 %	111.3391 %	107.2046 %
Concentration per Run	0.5287 ppm	100.2398 %	100.0367 %	93.7289 %	107.8998 %	108.4162 %	106.6145 %
Concentration per Run	0.5325 ppm	100.0897 %	100.7122 %	94.3109 %	108.1049 %	113.1467 %	106.9593 %
Concentration per Run	0.5340 ppm	99.1895 %	100.0500 %	95.1918 %	107.3805 %	112.4545 %	108.0400 %
Concentration RSD	0.5 %	0.6 %	0.4 %	0.8 %	0.3 %	2.3 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-8d2 WG2110788

Analysis started at: 9/11/2025 2:53:00 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 59

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0403 ppm	44.2916 ppm	0.0969 ppm	0.6989 ppm	1.0227 ppm	0.0266 ppm	13.8955 ppm
Concentration per Run	0.0403 ppm	44.2594 ppm	0.0959 ppm	0.6930 ppm	1.0238 ppm	0.0267 ppm	13.9130 ppm
Concentration per Run	0.0402 ppm	44.4069 ppm	0.0974 ppm	0.7026 ppm	1.0250 ppm	0.0265 ppm	13.8851 ppm
Concentration per Run	0.0402 ppm	44.2084 ppm	0.0973 ppm	0.7012 ppm	1.0192 ppm	0.0265 ppm	13.8884 ppm
Concentration RSD	0.2 %	0.2 %	0.8 %	0.7 %	0.3 %	0.3 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0324 ppm	0.2626 ppm	0.1869 ppm	0.1742 ppm	111.2921 ppm	21.7840 ppm	0.1309 ppm
Concentration per Run	0.0324 ppm	0.2620 ppm	0.1867 ppm	0.1745 ppm	111.2499 ppm	21.8611 ppm	0.1298 ppm
Concentration per Run	0.0325 ppm	0.2631 ppm	0.1867 ppm	0.1742 ppm	110.9268 ppm	21.7334 ppm	0.1307 ppm
Concentration per Run	0.0321 ppm	0.2626 ppm	0.1872 ppm	0.1737 ppm	111.6995 ppm	21.7574 ppm	0.1322 ppm
Concentration RSD	0.6 %	0.2 %	0.2 %	0.2 %	0.3 %	0.3 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.9236 ppm	1.8616 ppm	0.5007 ppm	24.0027 ppm	0.3165 ppm	0.3844 ppm	0.0587 ppm
Concentration per Run	29.8868 ppm	1.8710 ppm	0.4986 ppm	24.1329 ppm	0.3163 ppm	0.3847 ppm	0.0587 ppm
Concentration per Run	29.8406 ppm	1.8553 ppm	0.5022 ppm	24.2032 ppm	0.3173 ppm	0.3843 ppm	0.0604 ppm
Concentration per Run	30.0433 ppm	1.8586 ppm	0.5013 ppm	23.6719 ppm	0.3159 ppm	0.3843 ppm	0.0571 ppm
Concentration RSD	0.4 %	0.4 %	0.4 %	1.2 %	0.2 %	0.1 %	2.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0774 ppm	2.7008 ppm	0.4190 ppm	0.5751 ppm	1.5665 ppm	0.0810 ppm	0.3849 ppm
Concentration per Run	0.0772 ppm	2.6899 ppm	0.4178 ppm	0.5746 ppm	1.5570 ppm	0.0807 ppm	0.3847 ppm
Concentration per Run	0.0760 ppm	2.7065 ppm	0.4182 ppm	0.5757 ppm	1.5685 ppm	0.0809 ppm	0.3857 ppm
Concentration per Run	0.0790 ppm	2.7061 ppm	0.4212 ppm	0.5749 ppm	1.5739 ppm	0.0813 ppm	0.3842 ppm
Concentration RSD	2.0 %	0.4 %	0.4 %	0.1 %	0.6 %	0.4 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5391 ppm	99.4758 %	99.8962 %	94.0483 %	107.5206 %	111.5026 %	106.7858 %
Concentration per Run	0.5364 ppm	99.1345 %	99.9756 %	93.9140 %	107.1961 %	113.4093 %	106.7913 %
Concentration per Run	0.5405 ppm	100.0871 %	99.6783 %	94.3775 %	108.1206 %	111.7890 %	107.2896 %
Concentration per Run	0.5402 ppm	99.2057 %	100.0347 %	93.8535 %	107.2451 %	109.3097 %	106.2767 %
Concentration RSD	0.4 %	0.5 %	0.2 %	0.3 %	0.5 %	1.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-9d2 WG2110788

Analysis started at: 9/11/2025 2:55:05 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 60

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0469 ppm	45.7732 ppm	0.1393 ppm	1.0167 ppm	1.9045 ppm	0.0501 ppm	16.3720 ppm
Concentration per Run	0.0467 ppm	45.6495 ppm	0.1375 ppm	1.0120 ppm	1.9042 ppm	0.0501 ppm	16.3119 ppm
Concentration per Run	0.0476 ppm	45.8780 ppm	0.1421 ppm	1.0181 ppm	1.9116 ppm	0.0503 ppm	16.4045 ppm
Concentration per Run	0.0465 ppm	45.7920 ppm	0.1383 ppm	1.0199 ppm	1.8976 ppm	0.0499 ppm	16.3996 ppm
Concentration RSD	1.2 %	0.3 %	1.8 %	0.4 %	0.4 %	0.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0495 ppm	0.4869 ppm	0.2855 ppm	0.2929 ppm	114.4355 ppm	25.8541 ppm	0.1415 ppm
Concentration per Run	0.0492 ppm	0.4840 ppm	0.2843 ppm	0.2920 ppm	114.6894 ppm	25.7863 ppm	0.1428 ppm
Concentration per Run	0.0498 ppm	0.4875 ppm	0.2863 ppm	0.2931 ppm	114.8924 ppm	25.9292 ppm	0.1415 ppm
Concentration per Run	0.0496 ppm	0.4892 ppm	0.2859 ppm	0.2935 ppm	113.7249 ppm	25.8466 ppm	0.1401 ppm
Concentration RSD	0.6 %	0.5 %	0.4 %	0.3 %	0.5 %	0.3 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	36.6926 ppm	2.2181 ppm	0.9204 ppm	28.8872 ppm	0.5518 ppm	0.5635 ppm	0.4773 ppm
Concentration per Run	36.3836 ppm	2.2185 ppm	0.9150 ppm	28.8745 ppm	0.5503 ppm	0.5626 ppm	0.4722 ppm
Concentration per Run	37.0877 ppm	2.2205 ppm	0.9288 ppm	29.0847 ppm	0.5530 ppm	0.5639 ppm	0.4835 ppm
Concentration per Run	36.6066 ppm	2.2154 ppm	0.9195 ppm	28.6925 ppm	0.5521 ppm	0.5641 ppm	0.4762 ppm
Concentration RSD	1.0 %	0.1 %	0.7 %	0.7 %	0.3 %	0.2 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1162 ppm	2.6908 ppm	0.9061 ppm	1.0012 ppm	1.9710 ppm	0.1079 ppm	0.6166 ppm
Concentration per Run	0.1140 ppm	2.6751 ppm	0.9038 ppm	0.9993 ppm	1.9537 ppm	0.1066 ppm	0.6140 ppm
Concentration per Run	0.1163 ppm	2.7101 ppm	0.9083 ppm	1.0057 ppm	1.9904 ppm	0.1084 ppm	0.6195 ppm
Concentration per Run	0.1183 ppm	2.6873 ppm	0.9003 ppm	0.9985 ppm	1.9688 ppm	0.1088 ppm	0.6163 ppm
Concentration RSD	1.9 %	0.7 %	0.6 %	0.4 %	0.9 %	1.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7497 ppm	99.2537 %	100.3456 %	93.9614 %	107.4455 %	112.8193 %	107.5048 %
Concentration per Run	0.7475 ppm	99.2437 %	99.9822 %	93.8930 %	107.1003 %	112.6485 %	107.1197 %
Concentration per Run	0.7525 ppm	98.7001 %	100.1500 %	93.8750 %	107.1341 %	113.3495 %	107.5470 %
Concentration per Run	0.7492 ppm	99.8171 %	100.9047 %	94.1162 %	108.1020 %	112.4600 %	107.8475 %
Concentration RSD	0.3 %	0.6 %	0.5 %	0.1 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-10d10 WG2110788

Analysis started at: 9/11/2025 2:57:10 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	6.8533 ppm	0.0076 ppm	0.0201 ppm	0.0137 ppm	0.0005 ppm	1.0753 ppm
Concentration per Run	-0.0009 ppm	6.8156 ppm	0.0084 ppm	0.0207 ppm	0.0137 ppm	0.0004 ppm	1.0692 ppm
Concentration per Run	-0.0001 ppm	6.8515 ppm	0.0063 ppm	0.0206 ppm	0.0136 ppm	0.0004 ppm	1.0765 ppm
Concentration per Run	-0.0003 ppm	6.8929 ppm	0.0082 ppm	0.0190 ppm	0.0139 ppm	0.0005 ppm	1.0802 ppm
Concentration RSD	90.8 %	0.6 %	14.9 %	4.8 %	1.0 %	10.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0059 ppm	0.0150 ppm	0.0078 ppm	18.0237 ppm	2.8663 ppm	0.0231 ppm
Concentration per Run	0.0002 ppm	0.0063 ppm	0.0144 ppm	0.0078 ppm	17.7613 ppm	2.8856 ppm	0.0226 ppm
Concentration per Run	0.0001 ppm	0.0063 ppm	0.0151 ppm	0.0079 ppm	17.9798 ppm	2.8648 ppm	0.0233 ppm
Concentration per Run	0.0003 ppm	0.0052 ppm	0.0154 ppm	0.0076 ppm	18.3301 ppm	2.8486 ppm	0.0232 ppm
Concentration RSD	61.4 %	10.9 %	3.4 %	2.0 %	1.6 %	0.6 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.1225 ppm	0.2756 ppm	0.0023 ppm	3.3413 ppm	0.0132 ppm	0.0113 ppm	0.0010 ppm
Concentration per Run	4.1156 ppm	0.2746 ppm	0.0018 ppm	3.3351 ppm	0.0136 ppm	0.0100 ppm	0.0025 ppm
Concentration per Run	4.0915 ppm	0.2756 ppm	0.0029 ppm	3.3308 ppm	0.0128 ppm	0.0121 ppm	0.0018 ppm
Concentration per Run	4.1603 ppm	0.2766 ppm	0.0022 ppm	3.3579 ppm	0.0132 ppm	0.0118 ppm	-0.0012 ppm
Concentration RSD	0.8 %	0.4 %	23.0 %	0.4 %	2.8 %	10.0 %	188.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	0.2583 ppm	0.0016 ppm	0.0136 ppm	0.1488 ppm	0.0008 ppm	0.0196 ppm
Concentration per Run	0.0027 ppm	0.2585 ppm	0.0009 ppm	0.0135 ppm	0.1491 ppm	0.0001 ppm	0.0198 ppm
Concentration per Run	0.0029 ppm	0.2581 ppm	0.0028 ppm	0.0136 ppm	0.1473 ppm	0.0016 ppm	0.0193 ppm
Concentration per Run	0.0002 ppm	0.2603 ppm	0.0012 ppm	0.0136 ppm	0.1499 ppm	0.0005 ppm	0.0198 ppm
Concentration RSD	78.1 %	0.7 %	62.1 %	0.5 %	0.9 %	103.7 %	1.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0459 ppm	99.8814 %	98.3118 %	98.5804 %	99.5552 %	101.6070 %	99.2619 %
Concentration per Run	0.0460 ppm	99.6320 %	98.5093 %	98.4181 %	99.3897 %	102.7158 %	99.0287 %
Concentration per Run	0.0454 ppm	100.5808 %	97.9121 %	98.3453 %	99.8171 %	100.6947 %	99.0661 %
Concentration per Run	0.0462 ppm	99.4315 %	98.5139 %	98.9780 %	99.4587 %	101.4105 %	99.6908 %
Concentration RSD	0.9 %	0.6 %	0.4 %	0.4 %	0.2 %	1.0 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample: 9/11/2025 2:59:16 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5069 ppm	0.4768 ppm	0.4850 ppm	0.4826 ppm	0.4919 ppm	0.5067 ppm	0.4931 ppm
Concentration per Run	0.5045 ppm	0.4834 ppm	0.4829 ppm	0.4799 ppm	0.5066 ppm	0.4914 ppm	0.4914 ppm
Concentration per Run	0.5076 ppm	0.4749 ppm	0.4850 ppm	0.4830 ppm	0.4912 ppm	0.5070 ppm	0.4919 ppm
Concentration per Run	0.5086 ppm	0.4721 ppm	0.4870 ppm	0.4848 ppm	0.4930 ppm	0.5064 ppm	0.4960 ppm
Recovery Percentage	101.381 %	95.364 %	96.996 %	96.515 %	98.375 %	101.337 %	98.619 %
Concentration RSD	0.4 %	1.2 %	0.4 %	0.5 %	0.2 %	0.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5159 ppm	0.5086 ppm	0.5118 ppm	0.5227 ppm	0.5038 ppm	5.1728 ppm	0.5011 ppm
Concentration per Run	0.5121 ppm	0.5063 ppm	0.5092 ppm	0.5207 ppm	0.5026 ppm	5.2040 ppm	0.4978 ppm
Concentration per Run	0.5172 ppm	0.5077 ppm	0.5125 ppm	0.5238 ppm	0.5065 ppm	5.1141 ppm	0.5050 ppm
Concentration per Run	0.5183 ppm	0.5118 ppm	0.5136 ppm	0.5235 ppm	0.5022 ppm	5.2002 ppm	0.5006 ppm
Recovery Percentage	103.177 %	101.723 %	102.355 %	104.534 %	100.761 %	103.455 %	100.226 %
Concentration RSD	0.6 %	0.6 %	0.4 %	0.3 %	0.5 %	1.0 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5246 ppm	0.5063 ppm	0.4884 ppm	10.1845 ppm	0.5185 ppm	0.5079 ppm	0.5163 ppm
Concentration per Run	0.5229 ppm	0.5075 ppm	0.4852 ppm	10.2679 ppm	0.5155 ppm	0.5086 ppm	0.5137 ppm
Concentration per Run	0.5230 ppm	0.5040 ppm	0.4901 ppm	10.0296 ppm	0.5197 ppm	0.5069 ppm	0.5202 ppm
Concentration per Run	0.5279 ppm	0.5073 ppm	0.4899 ppm	10.2560 ppm	0.5203 ppm	0.5083 ppm	0.5151 ppm
Recovery Percentage	104.924 %	101.252 %	97.679 %	101.845 %	103.700 %	101.584 %	103.262 %
Concentration RSD	0.5 %	0.4 %	0.6 %	1.3 %	0.5 %	0.2 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4817 ppm	5.4180 ppm	0.4970 ppm	0.5005 ppm	0.5120 ppm	0.4901 ppm	0.5149 ppm
Concentration per Run	0.4804 ppm	5.3878 ppm	0.4962 ppm	0.4991 ppm	0.5084 ppm	0.4889 ppm	0.5124 ppm
Concentration per Run	0.4813 ppm	5.4298 ppm	0.4944 ppm	0.5004 ppm	0.5131 ppm	0.4907 ppm	0.5152 ppm
Concentration per Run	0.4834 ppm	5.4362 ppm	0.5005 ppm	0.5019 ppm	0.5145 ppm	0.4907 ppm	0.5169 ppm
Recovery Percentage	96.345 %	103.199 %	99.406 %	100.096 %	102.399 %	98.017 %	102.971 %
Concentration RSD	0.3 %	0.5 %	0.6 %	0.3 %	0.6 %	0.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4953 ppm	98.9365 %	97.6448 %	97.1733 %	97.3525 %	98.8481 %	96.2667 %
Concentration per Run	0.4922 ppm	99.1328 %	97.6861 %	97.3654 %	97.5904 %	100.2413 %	96.5105 %
Concentration per Run	0.4967 ppm	99.4545 %	97.8760 %	97.0306 %	97.7194 %	97.3379 %	96.1712 %
Concentration per Run	0.4969 ppm	98.2222 %	97.3723 %	97.1239 %	96.7477 %	98.9652 %	96.1185 %
Recovery Percentage	99.053 %						
Concentration RSD	0.5 %	0.6 %	0.3 %	0.2 %	0.5 %	1.5 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCB

Sample: 9/11/2025 3:01:22 PM

Analysis started at:

Comment: <Comment>

Rack Number

Vial Numbers

0

4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0010 ppm	-0.0006 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run	-0.0004 ppm	-0.0114 ppm	-0.0014 ppm	-0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0043 ppm
Concentration per Run	-0.0004 ppm	0.0120 ppm	0.0001 ppm	-0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run	-0.0005 ppm	0.0024 ppm	-0.0004 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	-0.0029 ppm
Recovery Percentage	-6.285 %	1.008 %	-11.692 %	0.523 %	-1.124 %	0.780 %	-3.171 %
Concentration RSD	17.3 %	1.167.8 %	132.3 %	735.1 %	38.7 %	44.9 %	31.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0003 ppm	0.0020 ppm	-0.0201 ppm	0.0018 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	-0.0003 ppm	-0.0006 ppm	0.0009 ppm	-0.0356 ppm	0.0020 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0005 ppm	-0.0001 ppm	0.0027 ppm	-0.0285 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0025 ppm	0.0037 ppm	0.0028 ppm
Recovery Percentage	1.642 %	0.832 %	-2.006 %	-3.085 %	4.088 %	-0.805 %	36.999 %
Concentration RSD	106.5 %	106.6 %	179.5 %	71.9 %	49.5 %	104.0 %	59.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0022 ppm	0.0000 ppm	0.0001 ppm	-0.0054 ppm	-0.0007 ppm	-0.0004 ppm	0.0009 ppm
Concentration per Run	-0.0035 ppm	0.0001 ppm	-0.0013 ppm	-0.0113 ppm	-0.0001 ppm	-0.0002 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0031 ppm	0.0000 ppm	-0.0001 ppm	-0.0038 ppm	-0.0020 ppm	-0.0009 ppm	0.0020 ppm
Recovery Percentage	-2.214 %	-0.100 %	-0.200 %	-0.268 %	-2.786 %	-3.684 %	1.739 %
Concentration RSD	87.5 %	1.263.0 %	60.4 %	100.3 %	160.4 %	126.4 %	115.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	0.0007 ppm	0.0011 ppm	-0.0001 ppm	-0.0012 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0032 ppm	-0.0006 ppm	0.0007 ppm	-0.0001 ppm	-0.0018 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run	0.0017 ppm	0.0000 ppm	0.0019 ppm	-0.0002 ppm	-0.0010 ppm	0.0014 ppm	-0.0003 ppm
Concentration per Run	0.0006 ppm	0.0026 ppm	0.0005 ppm	-0.0001 ppm	-0.0008 ppm	0.0007 ppm	0.0001 ppm
Recovery Percentage	18.369 %	0.134 %	2.103 %	-1.023 %	-12.136 %	5.042 %	-1.803 %
Concentration RSD	71.3 %	254.0 %	71.5 %	76.7 %	43.7 %	36.5 %	112.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.9888 %	96.0356 %	96.3036 %	98.2172 %	99.1869 %	96.2752 %
Concentration per Run	0.0002 ppm	96.3477 %	96.3313 %	95.6926 %	96.8058 %	99.4144 %	95.5261 %
Concentration per Run	0.0004 ppm	98.7731 %	96.6575 %	96.6575 %	99.1140 %	98.4055 %	96.7572 %
Concentration per Run	0.0000 ppm	98.8457 %	95.8805 %	96.5608 %	98.7317 %	99.7409 %	96.5423 %
Recovery Percentage	4.531 %	1.5 %	0.3 %	0.6 %	1.3 %	0.7 %	0.7 %
Concentration RSD	97.7 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553988-16d2 WG2110788

Analysis started at: 9/11/2025 3:09:49 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	60.5964 ppm	0.0193 ppm	0.0047 ppm	0.3649 ppm	0.0009 ppm	7.9741 ppm
Concentration per Run	-0.0005 ppm	60.4781 ppm	0.0193 ppm	0.0050 ppm	0.3621 ppm	0.0009 ppm	7.9691 ppm
Concentration per Run	0.0004 ppm	60.8534 ppm	0.0189 ppm	0.0062 ppm	0.3653 ppm	0.0009 ppm	7.9780 ppm
Concentration per Run	-0.0003 ppm	60.4576 ppm	0.0197 ppm	0.0030 ppm	0.3673 ppm	0.0009 ppm	7.9751 ppm
Concentration RSD	406.8 %	0.4 %	2.0 %	33.6 %	0.7 %	2.6 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0015 ppm	0.0767 ppm	0.0239 ppm	106.6309 ppm	1.6407 ppm	0.0062 ppm
Concentration per Run	0.0002 ppm	0.0012 ppm	0.0768 ppm	0.0237 ppm	105.5749 ppm	1.6442 ppm	0.0071 ppm
Concentration per Run	0.0003 ppm	0.0017 ppm	0.0772 ppm	0.0237 ppm	107.5653 ppm	1.6584 ppm	0.0067 ppm
Concentration per Run	0.0000 ppm	0.0016 ppm	0.0760 ppm	0.0243 ppm	106.7525 ppm	1.6194 ppm	0.0048 ppm
Concentration RSD	98.7 %	14.6 %	0.8 %	1.4 %	0.9 %	1.2 %	19.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.2108 ppm	0.0122 ppm	0.0017 ppm	0.0547 ppm	0.0050 ppm	0.0550 ppm	-0.0022 ppm
Concentration per Run	1.2091 ppm	0.0120 ppm	0.0019 ppm	0.0553 ppm	0.0046 ppm	0.0549 ppm	-0.0034 ppm
Concentration per Run	1.2122 ppm	0.0124 ppm	0.0020 ppm	0.0550 ppm	0.0049 ppm	0.0566 ppm	-0.0017 ppm
Concentration per Run	1.2112 ppm	0.0123 ppm	0.0012 ppm	0.0537 ppm	0.0054 ppm	0.0534 ppm	-0.0013 ppm
Concentration RSD	0.1 %	2.0 %	23.9 %	1.6 %	8.2 %	2.9 %	52.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0051 ppm	1.9693 ppm	0.0053 ppm	0.0479 ppm	0.1142 ppm	0.0001 ppm	0.2465 ppm
Concentration per Run	0.0051 ppm	1.9657 ppm	0.0049 ppm	0.0477 ppm	0.1143 ppm	0.0004 ppm	0.2465 ppm
Concentration per Run	0.0047 ppm	1.9779 ppm	0.0063 ppm	0.0481 ppm	0.1145 ppm	0.0004 ppm	0.2464 ppm
Concentration per Run	0.0054 ppm	1.9642 ppm	0.0048 ppm	0.0479 ppm	0.1138 ppm	-0.0004 ppm	0.2464 ppm
Concentration RSD	7.5 %	0.4 %	15.7 %	0.4 %	0.3 %	414.3 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0272 ppm	101.0298 %	101.0842 %	96.2757 %	106.8328 %	112.0511 %	107.1940 %
Concentration per Run	0.0274 ppm	101.6124 %	101.0098 %	96.2330 %	107.4705 %	111.7415 %	107.1393 %
Concentration per Run	0.0270 ppm	100.4458 %	100.5795 %	96.2474 %	106.1747 %	111.7055 %	107.5011 %
Concentration per Run	0.0272 ppm	101.0313 %	101.6633 %	96.3467 %	106.8531 %	112.7063 %	106.9415 %
Concentration RSD	0.8 %	0.6 %	0.5 %	0.1 %	0.6 %	0.5 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553988-20d2 WG2110788

Analysis started at: 9/11/2025 3:12:01 PM

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Rack Number: 2

Vial Numbers: 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0041 ppm	40.2870 ppm	0.1171 ppm	0.1378 ppm	1.0115 ppm	0.0062 ppm	40.8608 ppm
Concentration per Run	0.0043 ppm	40.3145 ppm	0.1183 ppm	0.1378 ppm	1.0143 ppm	0.0062 ppm	40.9150 ppm
Concentration per Run	0.0039 ppm	40.3069 ppm	0.1158 ppm	0.1379 ppm	1.0080 ppm	0.0061 ppm	40.9296 ppm
Concentration per Run	0.0042 ppm	40.2397 ppm	0.1170 ppm	0.1377 ppm	1.0124 ppm	0.0062 ppm	40.7371 ppm
Concentration RSD	4.9 %	0.1 %	1.1 %	0.1 %	0.3 %	0.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0118 ppm	0.0577 ppm	0.4961 ppm	1.3874 ppm	3.7808 ppm	0.0445 ppm	0.0445 ppm
Concentration per Run	0.0118 ppm	0.0573 ppm	0.4957 ppm	1.3869 ppm	3.7866 ppm	0.0456 ppm	0.0456 ppm
Concentration per Run	0.0119 ppm	0.0583 ppm	0.4962 ppm	1.3840 ppm	3.7597 ppm	0.0451 ppm	0.0451 ppm
Concentration per Run	0.0118 ppm	0.0575 ppm	0.4965 ppm	1.3913 ppm	3.7960 ppm	0.0427 ppm	0.0427 ppm
Concentration RSD	0.2 %	0.9 %	0.1 %	0.3 %	0.5 %	0.5 %	3.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.7715 ppm	2.7874 ppm	0.0442 ppm	1.4083 ppm	0.1310 ppm	8.7833 ppm	0.1828 ppm
Concentration per Run	3.7511 ppm	2.7949 ppm	0.0440 ppm	1.4067 ppm	0.1305 ppm	8.7863 ppm	0.1779 ppm
Concentration per Run	3.7651 ppm	2.7841 ppm	0.0445 ppm	1.4112 ppm	0.1319 ppm	8.7571 ppm	0.1822 ppm
Concentration per Run	3.7984 ppm	2.7833 ppm	0.0442 ppm	1.4069 ppm	0.1306 ppm	8.8065 ppm	0.1882 ppm
Concentration RSD	0.6 %	0.2 %	0.7 %	0.2 %	0.6 %	0.3 %	2.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0092 ppm	3.4222 ppm	0.2437 ppm	0.3908 ppm	1.4774 ppm	0.0024 ppm	0.1468 ppm
Concentration per Run	0.0119 ppm	3.4258 ppm	0.2445 ppm	0.3919 ppm	1.4700 ppm	0.0023 ppm	0.1457 ppm
Concentration per Run	0.0087 ppm	3.4265 ppm	0.2437 ppm	0.3899 ppm	1.4731 ppm	0.0021 ppm	0.1474 ppm
Concentration per Run	0.0069 ppm	3.4143 ppm	0.2428 ppm	0.3906 ppm	1.4892 ppm	0.0028 ppm	0.1473 ppm
Concentration RSD	27.7 %	0.2 %	0.4 %	0.3 %	0.7 %	14.8 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6968 ppm	100.1097 %	101.3616 %	92.5957 %	106.1766 %	111.8186 %	106.0909 %
Concentration per Run	1.6916 ppm	100.3106 %	101.7816 %	92.0532 %	106.3169 %	112.6840 %	105.5113 %
Concentration per Run	1.7007 ppm	100.3332 %	100.9909 %	93.0437 %	106.2456 %	111.0891 %	106.5839 %
Concentration per Run	1.6982 ppm	99.6854 %	101.3124 %	92.6902 %	105.9672 %	111.6826 %	106.1773 %
Concentration RSD	0.3 %	0.4 %	0.4 %	0.5 %	0.2 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553988-23d2 WG2110788

Analysis started at: 9/11/2025 3:14:06 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 9

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	65.3839 ppm	0.1668 ppm	0.1100 ppm	1.5388 ppm	0.0115 ppm	149.6814 ppm
Concentration per Run	0.0025 ppm	65.4938 ppm	0.1668 ppm	0.1097 ppm	1.5422 ppm	0.0115 ppm	149.6554 ppm
Concentration per Run	0.0021 ppm	65.3832 ppm	0.1645 ppm	0.1083 ppm	1.5369 ppm	0.0115 ppm	149.5393 ppm
Concentration per Run	0.0015 ppm	65.2745 ppm	0.1691 ppm	0.1120 ppm	1.5373 ppm	0.0115 ppm	149.8495 ppm
Concentration RSD	25.5 %	0.2 %	1.4 %	1.7 %	0.2 %	0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0052 ppm	0.0328 ppm	0.0595 ppm	0.9006 ppm	126.8458 ppm	8.5924 ppm	0.0954 ppm
Concentration per Run	0.0052 ppm	0.0329 ppm	0.0595 ppm	0.9048 ppm	127.4480 ppm	8.5991 ppm	0.0948 ppm
Concentration per Run	0.0053 ppm	0.0328 ppm	0.0593 ppm	0.8960 ppm	126.7246 ppm	8.5561 ppm	0.0963 ppm
Concentration per Run	0.0051 ppm	0.0327 ppm	0.0596 ppm	0.9009 ppm	126.3649 ppm	8.6218 ppm	0.0951 ppm
Concentration RSD	2.3 %	0.2 %	0.3 %	0.5 %	0.4 %	0.4 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.6650 ppm	2.3451 ppm	0.0133 ppm	0.9026 ppm	0.0702 ppm	3.4763 ppm	0.0313 ppm
Concentration per Run	14.7340 ppm	2.3468 ppm	0.0133 ppm	0.8975 ppm	0.0709 ppm	3.4785 ppm	0.0313 ppm
Concentration per Run	14.4118 ppm	2.3450 ppm	0.0130 ppm	0.9089 ppm	0.0690 ppm	3.4715 ppm	0.0310 ppm
Concentration per Run	14.8493 ppm	2.3434 ppm	0.0135 ppm	0.9013 ppm	0.0706 ppm	3.4789 ppm	0.0317 ppm
Concentration RSD	1.5 %	0.1 %	2.1 %	0.6 %	1.5 %	0.1 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	5.9769 ppm	0.1324 ppm	0.8286 ppm	1.3603 ppm	-0.0002 ppm	0.1123 ppm
Concentration per Run	-0.0007 ppm	6.0038 ppm	0.1326 ppm	0.8310 ppm	1.3644 ppm	0.0007 ppm	0.1124 ppm
Concentration per Run	0.0058 ppm	5.9441 ppm	0.1315 ppm	0.8269 ppm	1.3423 ppm	-0.0015 ppm	0.1115 ppm
Concentration per Run	0.0055 ppm	5.9828 ppm	0.1331 ppm	0.8279 ppm	1.3743 ppm	0.0000 ppm	0.1130 ppm
Concentration RSD	104.7 %	0.5 %	0.6 %	0.3 %	1.2 %	464.5 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.6671 ppm	99.5682 %	103.0146 %	93.5989 %	118.1455 %	127.5000 %	119.2017 %
Concentration per Run	2.6788 ppm	99.0289 %	103.0003 %	93.4491 %	117.5922 %	126.7572 %	119.0607 %
Concentration per Run	2.6443 ppm	100.7433 %	103.7024 %	94.3764 %	119.2873 %	128.9425 %	120.3741 %
Concentration per Run	2.6780 ppm	98.9324 %	102.3411 %	92.9711 %	117.5571 %	126.8002 %	118.1705 %
Concentration RSD	0.7 %	1.0 %	0.7 %	0.8 %	0.8 %	1.0 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-01d2 WG2110788

Analysis started at: 9/11/2025 3:16:11 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	58.6574 ppm	0.0178 ppm	0.0120 ppm	0.3464 ppm	0.0026 ppm	30.7425 ppm
Concentration per Run	0.0010 ppm	58.2000 ppm	0.0186 ppm	0.0112 ppm	0.3432 ppm	0.0026 ppm	30.4310 ppm
Concentration per Run	0.0002 ppm	59.4299 ppm	0.0174 ppm	0.0134 ppm	0.3498 ppm	0.0027 ppm	31.2600 ppm
Concentration per Run	0.0004 ppm	58.3424 ppm	0.0175 ppm	0.0115 ppm	0.3461 ppm	0.0026 ppm	30.5365 ppm
Concentration RSD	76.9 %	1.1 %	3.7 %	10.2 %	1.0 %	1.7 %	1.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0028 ppm	0.0478 ppm	0.1144 ppm	0.1459 ppm	112.3626 ppm	9.4326 ppm	0.0992 ppm
Concentration per Run	0.0029 ppm	0.0482 ppm	0.1148 ppm	0.1455 ppm	112.1867 ppm	9.3851 ppm	0.1001 ppm
Concentration per Run	0.0027 ppm	0.0477 ppm	0.1142 ppm	0.1460 ppm	113.2331 ppm	9.5019 ppm	0.1008 ppm
Concentration per Run	0.0028 ppm	0.0477 ppm	0.1141 ppm	0.1463 ppm	111.6679 ppm	9.4108 ppm	0.0969 ppm
Concentration RSD	3.1 %	0.6 %	0.3 %	0.3 %	0.7 %	0.7 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	32.3828 ppm	1.8676 ppm	0.0039 ppm	2.6403 ppm	0.1114 ppm	0.3133 ppm	0.0010 ppm
Concentration per Run	32.1338 ppm	1.8489 ppm	0.0034 ppm	2.6076 ppm	0.1098 ppm	0.3122 ppm	0.0032 ppm
Concentration per Run	32.3861 ppm	1.8932 ppm	0.0042 ppm	2.6738 ppm	0.1113 ppm	0.3136 ppm	0.0047 ppm
Concentration per Run	32.6284 ppm	1.8607 ppm	0.0042 ppm	2.6396 ppm	0.1131 ppm	0.3140 ppm	-0.0049 ppm
Concentration RSD	0.8 %	1.2 %	11.8 %	1.3 %	1.5 %	0.3 %	512.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	1.8929 ppm	0.0410 ppm	0.1026 ppm	1.6637 ppm	0.0005 ppm	0.1250 ppm
Concentration per Run	0.0007 ppm	1.8939 ppm	0.0422 ppm	0.1020 ppm	1.6550 ppm	0.0007 ppm	0.1244 ppm
Concentration per Run	0.0028 ppm	1.8821 ppm	0.0400 ppm	0.1036 ppm	1.6619 ppm	0.0005 ppm	0.1253 ppm
Concentration per Run	0.0003 ppm	1.9028 ppm	0.0408 ppm	0.1022 ppm	1.6741 ppm	0.0003 ppm	0.1255 ppm
Concentration RSD	107.8 %	0.5 %	2.7 %	0.9 %	0.6 %	48.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6247 ppm	99.2767 %	99.7006 %	94.7646 %	109.3547 %	113.9378 %	109.7848 %
Concentration per Run	1.6213 ppm	100.0696 %	101.1434 %	94.7138 %	110.0714 %	114.8771 %	109.5777 %
Concentration per Run	1.6232 ppm	99.6486 %	98.4747 %	95.0409 %	109.9044 %	112.0910 %	110.1350 %
Concentration per Run	1.6294 ppm	98.1118 %	99.4836 %	94.5391 %	108.0883 %	114.8451 %	109.6417 %
Concentration RSD	0.3 %	1.0 %	1.4 %	0.3 %	1.0 %	1.4 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-02d2 WG2110788

Analysis started at: 9/11/2025 3:18:16 PM

Comment <Comment>

Rack Number 2

Vial Numbers 11

	Ag 328.068	Al 396.152	As 189.042	B 208.959	Ba 455.403	Be 313.042	Ca 315.887
Concentration average	0.0005 ppm	88.3750 ppm	0.0191 ppm	0.0212 ppm	0.6921 ppm	0.0039 ppm	15.5713 ppm
Concentration per Run	0.0008 ppm	88.5193 ppm	0.0189 ppm	0.0215 ppm	0.6938 ppm	0.0039 ppm	15.5795 ppm
Concentration per Run	-0.0001 ppm	88.2470 ppm	0.0198 ppm	0.0202 ppm	0.6908 ppm	0.0038 ppm	15.5302 ppm
Concentration per Run	0.0008 ppm	88.3588 ppm	0.0187 ppm	0.0219 ppm	0.6918 ppm	0.0039 ppm	15.6042 ppm
Concentration RSD	97.6 %	0.2 %	3.0 %	4.4 %	0.2 %	1.3 %	0.2 %

	Cd 214.438	Co 228.616	Cr 267.716	Cu 324.754	Fe 259.940	K 766.490	Li 670.776
Concentration average	0.0005 ppm	0.0746 ppm	0.1483 ppm	0.2218 ppm	160.2183 ppm	29.6851 ppm	0.1506 ppm
Concentration per Run	0.0005 ppm	0.0747 ppm	0.1481 ppm	0.2210 ppm	160.1348 ppm	29.6718 ppm	0.1516 ppm
Concentration per Run	0.0005 ppm	0.0741 ppm	0.1479 ppm	0.2218 ppm	159.7562 ppm	29.7407 ppm	0.1483 ppm
Concentration per Run	0.0005 ppm	0.0749 ppm	0.1490 ppm	0.2225 ppm	160.7638 ppm	29.6427 ppm	0.1520 ppm
Concentration RSD	7.2 %	0.6 %	0.4 %	0.4 %	0.3 %	0.2 %	1.3 %

	Mg 279.079	Mn 257.610	Mo 202.030	Na 589.592	Ni 231.604	Pb 220.353	Sb 206.833
Concentration average	39.1053 ppm	1.7466 ppm	0.0022 ppm	12.0263 ppm	0.1706 ppm	0.2150 ppm	-0.0003 ppm
Concentration per Run	39.1021 ppm	1.7447 ppm	0.0022 ppm	11.9963 ppm	0.1704 ppm	0.2140 ppm	-0.0073 ppm
Concentration per Run	39.0611 ppm	1.7480 ppm	0.0021 ppm	12.0574 ppm	0.1708 ppm	0.2149 ppm	0.0028 ppm
Concentration per Run	39.1526 ppm	1.7469 ppm	0.0024 ppm	12.0251 ppm	0.1705 ppm	0.2162 ppm	0.0034 ppm
Concentration RSD	0.1 %	0.1 %	6.3 %	0.3 %	0.1 %	0.5 %	1.723.0 %

	Se 196.090	Si 212.412	Sn 189.989	Sr 421.552	Ti 334.904	Tl 190.856	V 292.402
Concentration average	0.0029 ppm	1.7849 ppm	0.0127 ppm	0.0974 ppm	3.9389 ppm	0.0017 ppm	0.2064 ppm
Concentration per Run	0.0014 ppm	1.7815 ppm	0.0129 ppm	0.0978 ppm	3.9477 ppm	0.0012 ppm	0.2062 ppm
Concentration per Run	0.0048 ppm	1.7860 ppm	0.0126 ppm	0.0973 ppm	3.9391 ppm	0.0036 ppm	0.2062 ppm
Concentration per Run	0.0024 ppm	1.7872 ppm	0.0127 ppm	0.0971 ppm	3.9297 ppm	0.0003 ppm	0.2067 ppm
Concentration RSD	61.4 %	0.2 %	1.0 %	0.3 %	0.2 %	100.0 %	0.1 %

	Zn 206.200	Sc 361.384	Sc 361.384	Sc 227.318	Y 360.073	Y 371.030	Y 224.306
Concentration average	0.4207 ppm	100.6953 %	101.7109 %	94.2325 %	114.5082 %	119.3037 %	113.9844 %
Concentration per Run	0.4186 ppm	100.9562 %	101.9695 %	93.9989 %	114.8256 %	119.4599 %	113.7479 %
Concentration per Run	0.4195 ppm	101.0135 %	101.5654 %	94.5791 %	114.9193 %	119.5653 %	114.1161 %
Concentration per Run	0.4241 ppm	100.1161 %	101.5978 %	94.1196 %	113.7798 %	118.8859 %	114.0892 %
Concentration RSD	0.7 %	0.5 %	0.2 %	0.3 %	0.6 %	0.3 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-05d2 WG2110788

Analysis started at: 9/11/2025 3:20:22 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 12

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	19.9416 ppm	0.0189 ppm	0.0292 ppm	0.1100 ppm	0.0012 ppm	29.8667 ppm
Concentration per Run	0.0000 ppm	19.9815 ppm	0.0176 ppm	0.0281 ppm	0.1103 ppm	0.0012 ppm	29.7636 ppm
Concentration per Run	0.0005 ppm	19.9332 ppm	0.0193 ppm	0.0295 ppm	0.1101 ppm	0.0012 ppm	29.8719 ppm
Concentration per Run	0.0000 ppm	19.9101 ppm	0.0197 ppm	0.0301 ppm	0.1097 ppm	0.0012 ppm	29.9646 ppm
Concentration RSD	227.5 %	0.2 %	6.0 %	3.4 %	0.3 %	1.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0222 ppm	0.0496 ppm	0.0452 ppm	53.4215 ppm	6.3143 ppm	0.0631 ppm
Concentration per Run	0.0002 ppm	0.0220 ppm	0.0496 ppm	0.0453 ppm	53.3215 ppm	6.3455 ppm	0.0636 ppm
Concentration per Run	0.0000 ppm	0.0219 ppm	0.0490 ppm	0.0449 ppm	53.3162 ppm	6.2939 ppm	0.0614 ppm
Concentration per Run	0.0001 ppm	0.0226 ppm	0.0503 ppm	0.0456 ppm	53.6269 ppm	6.3033 ppm	0.0643 ppm
Concentration RSD	71.6 %	1.7 %	1.3 %	0.7 %	0.3 %	0.4 %	2.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	26.3401 ppm	0.9566 ppm	0.0019 ppm	7.9129 ppm	0.0536 ppm	0.0304 ppm	-0.0002 ppm
Concentration per Run	26.0279 ppm	0.9576 ppm	0.0017 ppm	7.9941 ppm	0.0543 ppm	0.0311 ppm	0.0001 ppm
Concentration per Run	26.5280 ppm	0.9589 ppm	0.0021 ppm	7.9457 ppm	0.0531 ppm	0.0304 ppm	-0.0002 ppm
Concentration per Run	26.4644 ppm	0.9532 ppm	0.0018 ppm	7.7990 ppm	0.0536 ppm	0.0297 ppm	-0.0005 ppm
Concentration RSD	1.0 %	0.3 %	12.1 %	1.3 %	1.1 %	2.3 %	137.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0007 ppm	1.0075 ppm	0.0045 ppm	0.0624 ppm	0.7382 ppm	0.0013 ppm	0.0621 ppm
Concentration per Run	-0.0038 ppm	1.0035 ppm	0.0042 ppm	0.0626 ppm	0.7302 ppm	-0.0007 ppm	0.0618 ppm
Concentration per Run	0.0025 ppm	1.0104 ppm	0.0045 ppm	0.0623 ppm	0.7432 ppm	0.0028 ppm	0.0622 ppm
Concentration per Run	-0.0007 ppm	1.0088 ppm	0.0048 ppm	0.0623 ppm	0.7413 ppm	0.0016 ppm	0.0621 ppm
Concentration RSD	471.6 %	0.4 %	7.2 %	0.3 %	1.0 %	141.7 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1425 ppm	99.5585 %	99.3539 %	94.9413 %	103.6387 %	106.0157 %	102.1658 %
Concentration per Run	0.1415 ppm	99.5784 %	99.1703 %	95.0492 %	103.1043 %	106.7757 %	102.4431 %
Concentration per Run	0.1429 ppm	99.1382 %	99.7817 %	94.7510 %	103.6345 %	107.8166 %	101.6211 %
Concentration per Run	0.1430 ppm	99.9588 %	99.1096 %	95.0236 %	104.1773 %	103.4549 %	102.4333 %
Concentration RSD	0.6 %	0.4 %	0.4 %	0.2 %	0.5 %	2.1 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-07d2 WG2110788

Analysis started at: 9/11/2025 3:31:43 PM

Comment <Comment>

Rack Number 2

Vial Numbers 13

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0030 ppm	20.6351 ppm	0.0482 ppm	0.0323 ppm	0.2133 ppm	0.0012 ppm	120.7065 ppm
Concentration per Run	0.0030 ppm	20.6149 ppm	0.0475 ppm	0.0326 ppm	0.2136 ppm	0.0012 ppm	120.4739 ppm
Concentration per Run	0.0029 ppm	20.6618 ppm	0.0499 ppm	0.0310 ppm	0.2131 ppm	0.0012 ppm	120.8784 ppm
Concentration per Run	0.0032 ppm	20.6287 ppm	0.0471 ppm	0.0332 ppm	0.2131 ppm	0.0012 ppm	120.7672 ppm
Concentration RSD	5.0 %	0.1 %	3.2 %	3.4 %	0.1 %	2.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0310 ppm	0.2296 ppm	2.9761 ppm	123.6746 ppm	5.5571 ppm	0.0327 ppm
Concentration per Run	0.0001 ppm	0.0308 ppm	0.2299 ppm	2.9817 ppm	123.7166 ppm	5.5641 ppm	0.0331 ppm
Concentration per Run	0.0004 ppm	0.0308 ppm	0.2297 ppm	2.9831 ppm	123.7751 ppm	5.5413 ppm	0.0330 ppm
Concentration per Run	0.0003 ppm	0.0315 ppm	0.2291 ppm	2.9635 ppm	123.5320 ppm	5.5658 ppm	0.0321 ppm
Concentration RSD	49.5 %	1.2 %	0.2 %	0.4 %	0.1 %	0.2 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	58.0063 ppm	1.0102 ppm	0.0202 ppm	3.1259 ppm	0.0645 ppm	0.4964 ppm	0.0052 ppm
Concentration per Run	58.7587 ppm	1.0073 ppm	0.0200 ppm	3.1277 ppm	0.0640 ppm	0.4945 ppm	0.0058 ppm
Concentration per Run	58.3467 ppm	1.0110 ppm	0.0203 ppm	3.1135 ppm	0.0646 ppm	0.4987 ppm	0.0039 ppm
Concentration per Run	56.9134 ppm	1.0124 ppm	0.0205 ppm	3.1365 ppm	0.0650 ppm	0.4960 ppm	0.0061 ppm
Concentration RSD	1.7 %	0.3 %	1.3 %	0.4 %	0.8 %	0.4 %	22.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	1.8233 ppm	0.2045 ppm	0.1739 ppm	1.4729 ppm	0.0021 ppm	0.2304 ppm
Concentration per Run	0.0010 ppm	1.8408 ppm	0.2054 ppm	0.1741 ppm	1.4564 ppm	0.0020 ppm	0.2314 ppm
Concentration per Run	0.0063 ppm	1.8225 ppm	0.2042 ppm	0.1737 ppm	1.4792 ppm	0.0018 ppm	0.2311 ppm
Concentration per Run	0.0060 ppm	1.8067 ppm	0.2037 ppm	0.1739 ppm	1.4431 ppm	0.0026 ppm	0.2287 ppm
Concentration RSD	66.5 %	0.9 %	0.4 %	0.1 %	1.8 %	18.2 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5078 ppm	96.2211 %	97.6100 %	90.1186 %	102.0266 %	108.5194 %	100.7883 %
Concentration per Run	0.5089 ppm	95.5517 %	98.4008 %	90.0070 %	101.7224 %	108.5027 %	100.4341 %
Concentration per Run	0.5096 ppm	95.9226 %	97.4209 %	90.2022 %	101.7108 %	108.0074 %	100.9737 %
Concentration per Run	0.5050 ppm	97.1891 %	97.0083 %	90.1465 %	102.6466 %	109.0481 %	100.9570 %
Concentration RSD	0.5 %	0.9 %	0.7 %	0.1 %	0.5 %	0.5 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-09d2 WG2110788

Analysis started at: 9/11/2025 3:33:55 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 14

	Ag 328.068	Al 396.152	As 189.042	B 208.959	Ba 455.403	Be 313.042	Ca 315.887
Concentration average	0.0000 ppm	35.6014 ppm	0.0125 ppm	0.0271 ppm	0.2548 ppm	0.0020 ppm	22.1199 ppm
Concentration per Run	-0.0001 ppm	35.5212 ppm	0.0125 ppm	0.0283 ppm	0.2539 ppm	0.0020 ppm	21.9781 ppm
Concentration per Run	-0.0002 ppm	35.6642 ppm	0.0125 ppm	0.0262 ppm	0.2554 ppm	0.0019 ppm	22.2354 ppm
Concentration per Run	0.0003 ppm	35.6189 ppm	0.0124 ppm	0.0269 ppm	0.2550 ppm	0.0020 ppm	22.1463 ppm
Concentration RSD	1.222.0 %	0.2 %	0.4 %	4.0 %	0.3 %	2.1 %	0.6 %

	Cd 214.438	Co 228.616	Cr 267.716	Cu 324.754	Fe 259.940	K 766.490	Li 670.776
Concentration average	0.0005 ppm	0.0336 ppm	0.0919 ppm	0.1051 ppm	74.8444 ppm	7.7261 ppm	0.0922 ppm
Concentration per Run	0.0005 ppm	0.0331 ppm	0.0915 ppm	0.1041 ppm	74.6270 ppm	7.7092 ppm	0.0922 ppm
Concentration per Run	0.0005 ppm	0.0337 ppm	0.0922 ppm	0.1054 ppm	75.2625 ppm	7.7174 ppm	0.0937 ppm
Concentration per Run	0.0004 ppm	0.0340 ppm	0.0920 ppm	0.1058 ppm	74.6436 ppm	7.7518 ppm	0.0906 ppm
Concentration RSD	9.2 %	1.3 %	0.4 %	0.8 %	0.5 %	0.3 %	1.7 %

	Mg 279.079	Mn 257.610	Mo 202.030	Na 589.592	Ni 231.604	Pb 220.353	Sb 206.833
Concentration average	29.8462 ppm	0.9935 ppm	0.0028 ppm	10.7081 ppm	0.0810 ppm	0.1151 ppm	-0.0012 ppm
Concentration per Run	30.1002 ppm	0.9937 ppm	0.0029 ppm	10.7164 ppm	0.0815 ppm	0.1151 ppm	0.0010 ppm
Concentration per Run	29.9686 ppm	0.9953 ppm	0.0027 ppm	10.6922 ppm	0.0811 ppm	0.1150 ppm	-0.0033 ppm
Concentration per Run	29.4696 ppm	0.9916 ppm	0.0027 ppm	10.7157 ppm	0.0803 ppm	0.1152 ppm	-0.0013 ppm
Concentration RSD	1.1 %	0.2 %	3.5 %	0.1 %	0.7 %	0.1 %	184.3 %

	Se 196.090	Si 212.412	Sn 189.989	Sr 421.552	Ti 334.904	Tl 190.856	V 292.402
Concentration average	0.0029 ppm	1.3934 ppm	0.0094 ppm	0.0782 ppm	1.4490 ppm	0.0007 ppm	0.1091 ppm
Concentration per Run	0.0014 ppm	1.3942 ppm	0.0096 ppm	0.0783 ppm	1.4613 ppm	0.0013 ppm	0.1084 ppm
Concentration per Run	0.0061 ppm	1.3994 ppm	0.0100 ppm	0.0785 ppm	1.4585 ppm	0.0010 ppm	0.1095 ppm
Concentration per Run	0.0013 ppm	1.3867 ppm	0.0086 ppm	0.0779 ppm	1.4272 ppm	-0.0003 ppm	0.1093 ppm
Concentration RSD	94.8 %	0.5 %	7.3 %	0.4 %	1.3 %	122.8 %	0.5 %

	Zn 206.200	Sc 361.384	Sc 361.384	Sc 227.318	Y 360.073	Y 371.030	Y 224.306
Concentration average	0.2639 ppm	98.6683 %	99.1094 %	94.4418 %	106.5858 %	109.3217 %	105.8318 %
Concentration per Run	0.2612 ppm	98.4091 %	99.1554 %	94.4958 %	106.2081 %	110.9210 %	106.1036 %
Concentration per Run	0.2655 ppm	98.7541 %	99.3364 %	93.9709 %	107.0079 %	108.6708 %	105.3970 %
Concentration per Run	0.2649 ppm	98.8418 %	98.8363 %	94.8586 %	106.5413 %	108.3731 %	105.9949 %
Concentration RSD	0.9 %	0.2 %	0.3 %	0.5 %	0.4 %	1.3 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554022-01d2 WG2110788

Analysis started at: 9/11/2025 3:36:01 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 19

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0049 ppm	5.9895 ppm	0.0075 ppm	0.0492 ppm	0.4625 ppm	0.0005 ppm	66.1710 ppm
Concentration per Run	0.0048 ppm	6.0252 ppm	0.0082 ppm	0.0492 ppm	0.4641 ppm	0.0005 ppm	66.2563 ppm
Concentration per Run	0.0047 ppm	5.9893 ppm	0.0075 ppm	0.0488 ppm	0.4624 ppm	0.0005 ppm	66.1887 ppm
Concentration per Run	0.0052 ppm	5.9541 ppm	0.0069 ppm	0.0496 ppm	0.4611 ppm	0.0005 ppm	66.0679 ppm
Concentration RSD	5.9 %	0.6 %	9.1 %	0.8 %	0.3 %	6.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0027 ppm	0.0139 ppm	0.0460 ppm	1.5328 ppm	56.0272 ppm	3.1437 ppm	0.0003 ppm
Concentration per Run	0.0027 ppm	0.0140 ppm	0.0456 ppm	1.5324 ppm	56.3950 ppm	3.2017 ppm	0.0005 ppm
Concentration per Run	0.0027 ppm	0.0137 ppm	0.0469 ppm	1.5437 ppm	55.9213 ppm	3.0955 ppm	-0.0008 ppm
Concentration per Run	0.0027 ppm	0.0139 ppm	0.0454 ppm	1.5224 ppm	55.7652 ppm	3.1338 ppm	0.0009 ppm
Concentration RSD	0.8 %	1.1 %	1.7 %	0.7 %	0.6 %	1.7 %	250.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.2005 ppm	7.6289 ppm	0.0179 ppm	4.5246 ppm	0.0391 ppm	0.1016 ppm	0.0036 ppm
Concentration per Run	5.2146 ppm	7.6625 ppm	0.0178 ppm	4.5341 ppm	0.0397 ppm	0.1017 ppm	0.0015 ppm
Concentration per Run	5.2557 ppm	7.6130 ppm	0.0180 ppm	4.5131 ppm	0.0388 ppm	0.1015 ppm	0.0034 ppm
Concentration per Run	5.1312 ppm	7.6113 ppm	0.0180 ppm	4.5265 ppm	0.0387 ppm	0.1018 ppm	0.0058 ppm
Concentration RSD	1.2 %	0.4 %	0.7 %	0.2 %	1.5 %	0.1 %	59.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0119 ppm	2.1945 ppm	0.0801 ppm	0.2230 ppm	0.1384 ppm	0.0007 ppm	0.0617 ppm
Concentration per Run	0.0107 ppm	2.2001 ppm	0.0791 ppm	0.2242 ppm	0.1376 ppm	0.0013 ppm	0.0615 ppm
Concentration per Run	0.0117 ppm	2.1920 ppm	0.0784 ppm	0.2222 ppm	0.1385 ppm	0.0004 ppm	0.0619 ppm
Concentration per Run	0.0131 ppm	2.1912 ppm	0.0829 ppm	0.2225 ppm	0.1389 ppm	0.0003 ppm	0.0617 ppm
Concentration RSD	10.2 %	0.2 %	3.0 %	0.5 %	0.5 %	81.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.9091 ppm	100.4196 %	99.7487 %	95.5339 %	104.1973 %	99.7296 %
Concentration per Run	1.9075 ppm	100.4130 %	99.5601 %	95.5692 %	104.2804 %	99.8569 %
Concentration per Run	1.9214 ppm	99.6109 %	100.4823 %	95.2223 %	104.3796 %	99.6577 %
Concentration per Run	1.8984 ppm	101.2350 %	99.2037 %	95.8102 %	103.9321 %	99.6743 %
Concentration RSD	0.6 %	0.8 %	0.7 %	0.3 %	0.2 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample: 9/11/2025 3:38:06 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5050 ppm	0.4767 ppm	0.4844 ppm	0.4778 ppm	0.4911 ppm	0.5067 ppm	0.4893 ppm
Concentration per Run	0.5051 ppm	0.4745 ppm	0.4866 ppm	0.4738 ppm	0.5066 ppm	0.4917 ppm	0.4917 ppm
Concentration per Run	0.5056 ppm	0.4783 ppm	0.4828 ppm	0.4782 ppm	0.4924 ppm	0.5084 ppm	0.4890 ppm
Concentration per Run	0.5044 ppm	0.4773 ppm	0.4839 ppm	0.4813 ppm	0.4890 ppm	0.5052 ppm	0.4887 ppm
Recovery Percentage	101.003 %	95.340 %	96.887 %	95.555 %	98.212 %	101.347 %	97.960 %
Concentration RSD	0.1 %	0.4 %	0.4 %	0.8 %	0.4 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5154 ppm	0.5068 ppm	0.5118 ppm	0.5205 ppm	0.4999 ppm	5.1568 ppm	0.4891 ppm
Concentration per Run	0.5144 ppm	0.5063 ppm	0.5119 ppm	0.5191 ppm	0.5030 ppm	5.1647 ppm	0.4948 ppm
Concentration per Run	0.5159 ppm	0.5084 ppm	0.5106 ppm	0.5200 ppm	0.5023 ppm	5.1845 ppm	0.4948 ppm
Concentration per Run	0.5160 ppm	0.5088 ppm	0.5129 ppm	0.5226 ppm	0.4944 ppm	5.1212 ppm	0.4776 ppm
Recovery Percentage	103.085 %	101.363 %	102.355 %	104.107 %	99.984 %	103.136 %	97.810 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.3 %	1.0 %	0.6 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5229 ppm	0.5061 ppm	0.4860 ppm	10.2291 ppm	0.5155 ppm	0.5073 ppm	0.5105 ppm
Concentration per Run	0.5185 ppm	0.5062 ppm	0.4862 ppm	10.2411 ppm	0.5127 ppm	0.5082 ppm	0.5065 ppm
Concentration per Run	0.5293 ppm	0.5062 ppm	0.4861 ppm	10.2173 ppm	0.5156 ppm	0.5078 ppm	0.5090 ppm
Concentration per Run	0.5209 ppm	0.5058 ppm	0.4856 ppm	10.2289 ppm	0.5182 ppm	0.5059 ppm	0.5160 ppm
Recovery Percentage	104.580 %	101.214 %	97.198 %	102.291 %	103.099 %	101.463 %	102.096 %
Concentration RSD	1.1 %	0.0 %	0.1 %	0.1 %	0.5 %	0.2 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4795 ppm	5.4050 ppm	0.4983 ppm	0.4965 ppm	0.5106 ppm	0.4905 ppm	0.5143 ppm
Concentration per Run	0.4794 ppm	5.3974 ppm	0.4992 ppm	0.4964 ppm	0.5110 ppm	0.4912 ppm	0.5136 ppm
Concentration per Run	0.4781 ppm	5.3979 ppm	0.4986 ppm	0.4992 ppm	0.5125 ppm	0.4901 ppm	0.5148 ppm
Concentration per Run	0.4811 ppm	5.4196 ppm	0.4991 ppm	0.4940 ppm	0.5084 ppm	0.4902 ppm	0.5147 ppm
Recovery Percentage	95.910 %	102.952 %	99.661 %	99.302 %	102.129 %	98.095 %	102.863 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.5 %	0.4 %	0.1 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4927 ppm	99.7667 %	97.9083 %	97.7107 %	98.3784 %	99.7550 %	96.4541 %
Concentration per Run	0.4922 ppm	100.0821 %	97.5013 %	97.4077 %	98.3700 %	98.4562 %	96.1259 %
Concentration per Run	0.4916 ppm	99.5638 %	97.6668 %	97.6668 %	98.4749 %	100.5097 %	96.3090 %
Concentration per Run	0.4944 ppm	99.6542 %	97.9207 %	98.0575 %	98.2902 %	100.2992 %	96.9274 %
Recovery Percentage	98.545 %						
Concentration RSD	0.3 %	0.3 %	0.4 %	0.3 %	0.1 %	1.1 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 3:40:12 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	-0.0068 ppm	0.0015 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0039 ppm
Concentration per Run	0.0001 ppm	-0.0055 ppm	-0.0020 ppm	0.0017 ppm	-0.0002 ppm	0.0000 ppm	-0.0047 ppm
Concentration per Run	0.0005 ppm	-0.0101 ppm	0.0031 ppm	-0.0006 ppm	-0.0003 ppm	0.0000 ppm	-0.0078 ppm
Concentration per Run	-0.0003 ppm	-0.0048 ppm	0.0032 ppm	-0.0009 ppm	-0.0003 ppm	0.0001 ppm	0.0008 ppm
Recovery Percentage	1.187 %	-6.793 %	29.036 %	0.273 %	-2.399 %	0.722 %	-3.909 %
Concentration RSD	496.5 %	42.4 %	207.7 %	1.725.5 %	18.9 %	119.9 %	112.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0006 ppm	-0.0001 ppm	-0.0003 ppm	0.0029 ppm	-0.0086 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	-0.0005 ppm	-0.0006 ppm	0.0021 ppm	-0.0055 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0002 ppm	-0.0003 ppm	0.0047 ppm	-0.0003 ppm	-0.0015 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0001 ppm	-0.0001 ppm	0.0018 ppm	-0.0198 ppm	-0.0007 ppm
Recovery Percentage	0.675 %	2.947 %	-0.753 %	-2.765 %	5.717 %	-0.342 %	-13.644 %
Concentration RSD	160.7 %	33.8 %	502.6 %	129.5 %	55.2 %	118.1 %	130.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0011 ppm	0.0000 ppm	0.0003 ppm	-0.0083 ppm	0.0000 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run	-0.0009 ppm	-0.0001 ppm	0.0003 ppm	0.0012 ppm	-0.0008 ppm	-0.0003 ppm	0.0031 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0175 ppm	0.0007 ppm	0.0040 ppm	0.0040 ppm
Concentration per Run	-0.0023 ppm	0.0001 ppm	0.0004 ppm	-0.0087 ppm	0.0001 ppm	0.0002 ppm	-0.0018 ppm
Recovery Percentage	-1.068 %	-0.433 %	0.520 %	-0.416 %	0.123 %	-0.240 %	3.526 %
Concentration RSD	105.6 %	258.6 %	76.2 %	112.3 %	2.480.1 %	1.129.3 %	177.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	0.0005 ppm	0.0012 ppm	-0.0002 ppm	-0.0014 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run	0.0027 ppm	0.0019 ppm	0.0024 ppm	-0.0001 ppm	-0.0016 ppm	0.0026 ppm	-0.0004 ppm
Concentration per Run	0.0062 ppm	-0.0013 ppm	0.0015 ppm	-0.0001 ppm	-0.0013 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	-0.0006 ppm	0.0008 ppm	-0.0002 ppm	-0.0003 ppm	-0.0013 ppm	0.0012 ppm	-0.0001 ppm
Recovery Percentage	27.911 %	0.091 %	2.429 %	-1.619 %	-14.061 %	6.546 %	-1.934 %
Concentration RSD	121.1 %	355.3 %	107.7 %	57.8 %	14.1 %	94.0 %	83.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.4884 %	96.5346 %	96.4036 %	98.8378 %	98.8583 %	96.5831 %
Concentration per Run	0.0002 ppm	97.4661 %	96.9428 %	96.4349 %	98.5331 %	99.1355 %	96.6457 %
Concentration per Run	0.0001 ppm	97.5787 %	96.0689 %	96.3345 %	99.3702 %	98.5083 %	96.5978 %
Concentration per Run	0.0004 ppm	97.4205 %	96.5921 %	96.4414 %	98.6102 %	98.9310 %	96.5057 %
Recovery Percentage	4.838 %						
Concentration RSD	60.0 %	0.1 %	0.5 %	0.1 %	0.5 %	0.3 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 4:03:17 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5042 ppm	0.4707 ppm	0.4846 ppm	0.4783 ppm	0.4931 ppm	0.5075 ppm	0.4933 ppm
Concentration per Run	0.5065 ppm	0.4703 ppm	0.4796 ppm	0.4798 ppm	0.4927 ppm	0.5066 ppm	0.4928 ppm
Concentration per Run	0.5026 ppm	0.4691 ppm	0.4892 ppm	0.4777 ppm	0.4909 ppm	0.5060 ppm	0.4917 ppm
Concentration per Run	0.5035 ppm	0.4729 ppm	0.4850 ppm	0.4776 ppm	0.4957 ppm	0.5099 ppm	0.4954 ppm
Recovery Percentage	100.835 %	94.149 %	96.920 %	95.670 %	98.619 %	101.500 %	98.662 %
Concentration RSD	0.4 %	0.4 %	1.0 %	0.3 %	0.5 %	0.4 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5162 ppm	0.5077 ppm	0.5119 ppm	0.5206 ppm	0.5005 ppm	5.1608 ppm	0.4935 ppm
Concentration per Run	0.5186 ppm	0.5075 ppm	0.5130 ppm	0.5221 ppm	0.5032 ppm	5.1925 ppm	0.4985 ppm
Concentration per Run	0.5137 ppm	0.5085 ppm	0.5110 ppm	0.5179 ppm	0.4975 ppm	5.1046 ppm	0.4854 ppm
Concentration per Run	0.5164 ppm	0.5073 ppm	0.5116 ppm	0.5220 ppm	0.5010 ppm	5.1854 ppm	0.4965 ppm
Recovery Percentage	103.245 %	101.550 %	102.373 %	104.128 %	100.109 %	103.217 %	98.698 %
Concentration RSD	0.5 %	0.1 %	0.2 %	0.5 %	0.6 %	0.9 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5258 ppm	0.5058 ppm	0.4877 ppm	10.1829 ppm	0.5149 ppm	0.5076 ppm	0.5117 ppm
Concentration per Run	0.5300 ppm	0.5067 ppm	0.4894 ppm	10.1428 ppm	0.5160 ppm	0.5078 ppm	0.5103 ppm
Concentration per Run	0.5243 ppm	0.5049 ppm	0.4846 ppm	10.1934 ppm	0.5146 ppm	0.5067 ppm	0.5113 ppm
Concentration per Run	0.5232 ppm	0.5060 ppm	0.4892 ppm	10.2124 ppm	0.5143 ppm	0.5083 ppm	0.5133 ppm
Recovery Percentage	105.168 %	101.170 %	97.544 %	101.829 %	102.989 %	101.520 %	102.331 %
Concentration RSD	0.7 %	0.2 %	0.6 %	0.4 %	0.2 %	0.2 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4812 ppm	5.3950 ppm	0.4996 ppm	0.4986 ppm	0.5104 ppm	0.4884 ppm	0.5145 ppm
Concentration per Run	0.4830 ppm	5.3940 ppm	0.4976 ppm	0.4987 ppm	0.5170 ppm	0.4901 ppm	0.5153 ppm
Concentration per Run	0.4771 ppm	5.3874 ppm	0.4991 ppm	0.4973 ppm	0.5074 ppm	0.4887 ppm	0.5122 ppm
Concentration per Run	0.4836 ppm	5.4037 ppm	0.5019 ppm	0.5000 ppm	0.5069 ppm	0.4863 ppm	0.5159 ppm
Recovery Percentage	96.239 %	102.762 %	99.911 %	99.729 %	102.089 %	97.672 %	102.901 %
Concentration RSD	0.7 %	0.2 %	0.4 %	0.3 %	1.1 %	0.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4928 ppm	99.6066 %	99.3442 %	97.9684 %	98.1609 %	100.4309 %	96.6659 %
Concentration per Run	0.4931 ppm	99.2750 %	99.8300 %	98.0864 %	97.9758 %	100.1870 %	96.9763 %
Concentration per Run	0.4916 ppm	99.8710 %	99.6703 %	97.7401 %	98.2823 %	99.2494 %	96.3629 %
Concentration per Run	0.4938 ppm	99.6738 %	99.5324 %	98.0786 %	98.2246 %	101.8564 %	96.6584 %
Recovery Percentage	98.567 %						
Concentration RSD	0.2 %	0.3 %	0.6 %	0.2 %	0.2 %	1.3 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 4:05:33 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0066 ppm	0.0013 ppm	0.0006 ppm	-0.0002 ppm	0.0001 ppm	-0.0062 ppm
Concentration per Run	-0.0004 ppm	-0.0049 ppm	0.0011 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0073 ppm
Concentration per Run	-0.0003 ppm	-0.0096 ppm	0.0017 ppm	0.0008 ppm	-0.0004 ppm	0.0001 ppm	-0.0057 ppm
Concentration per Run	-0.0001 ppm	-0.0052 ppm	0.0011 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0057 ppm
Recovery Percentage	-3.715 %	-6.583 %	25.767 %	1.885 %	-2.290 %	1.278 %	-6.198 %
Concentration RSD	64.4 %	40.3 %	24.7 %	74.4 %	58.3 %	43.8 %	14.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0003 ppm	-0.0003 ppm	-0.0007 ppm	0.0023 ppm	-0.0243 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0001 ppm	-0.0007 ppm	0.0029 ppm	-0.0260 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0006 ppm	-0.0007 ppm	0.0018 ppm	-0.0385 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0004 ppm	-0.0008 ppm	0.0022 ppm	-0.0084 ppm	-0.0009 ppm
Recovery Percentage	2.049 %	1.404 %	-2.782 %	-7.100 %	4.611 %	-0.972 %	-6.611 %
Concentration RSD	59.2 %	23.1 %	135.2 %	5.2 %	24.5 %	62.3 %	159.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0105 ppm	-0.0007 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run	-0.0024 ppm	0.0000 ppm	0.0001 ppm	-0.0078 ppm	-0.0006 ppm	0.0013 ppm	-0.0006 ppm
Concentration per Run	-0.0015 ppm	0.0000 ppm	0.0005 ppm	-0.0099 ppm	-0.0010 ppm	0.0002 ppm	-0.0014 ppm
Concentration per Run	-0.0030 ppm	-0.0001 ppm	-0.0005 ppm	-0.0138 ppm	-0.0006 ppm	-0.0012 ppm	-0.0005 ppm
Recovery Percentage	-2.320 %	-0.464 %	0.056 %	-0.526 %	-2.857 %	1.228 %	-1.600 %
Concentration RSD	31.8 %	65.2 %	1.932.8 %	28.6 %	34.1 %	1,038.5 %	61.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0033 ppm	-0.0008 ppm	0.0012 ppm	-0.0002 ppm	-0.0015 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0033 ppm	0.0004 ppm	0.0009 ppm	-0.0002 ppm	-0.0019 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0008 ppm	-0.0012 ppm	0.0016 ppm	-0.0002 ppm	-0.0015 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0059 ppm	-0.0017 ppm	0.0011 ppm	-0.0001 ppm	-0.0012 ppm	-0.0003 ppm	-0.0002 ppm
Recovery Percentage	33.097 %	-0.164 %	2.412 %	-1.721 %	-15.089 %	3.200 %	-0.130 %
Concentration RSD	77.8 %	128.9 %	28.0 %	31.7 %	21.6 %	121.9 %	1,208.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	97.9628 %	97.5081 %	97.1265 %	99.0635 %	101.3717 %	96.8379 %
Concentration per Run	0.0007 ppm	97.9319 %	96.9544 %	97.3133 %	98.8022 %	100.7440 %	97.1883 %
Concentration per Run	0.0001 ppm	97.8332 %	97.4918 %	97.8332 %	99.3422 %	101.5110 %	96.9710 %
Concentration per Run	0.0001 ppm	97.3909 %	97.7368 %	96.5743 %	99.0460 %	101.8601 %	96.3544 %
Recovery Percentage	5.930 %						
Concentration RSD	115.7 %	0.6 %	0.5 %	0.5 %	0.3 %	0.6 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LLOQ 005 AS
Analysis started at: 9/11/2025 4:11:05 PM
Comment: <Comment>
Rack Number: 2
Vial Numbers: 20

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0048 ppm	-0.0012 ppm	0.0057 ppm	0.0053 ppm	0.0048 ppm	0.0050 ppm	0.0071 ppm
Concentration per Run	0.0046 ppm	-0.0075 ppm	0.0039 ppm	0.0075 ppm	0.0039 ppm	0.0050 ppm	0.0062 ppm
Concentration per Run	0.0045 ppm	0.0036 ppm	0.0062 ppm	0.0043 ppm	0.0049 ppm	0.0051 ppm	0.0125 ppm
Concentration per Run	0.0054 ppm	0.0003 ppm	0.0069 ppm	0.0053 ppm	0.0047 ppm	0.0050 ppm	0.0025 ppm
Recovery Percentage	96.793 %	0.000 %	113.231 %	0.000 %	0.000 %	100.811 %	0.000 %
Concentration RSD	9.4 %	489.0 %	27.7 %	18.3 %	2.0 %	1.0 %	71.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0053 ppm	0.0059 ppm	0.0051 ppm	0.0045 ppm	0.0062 ppm	0.0365 ppm	0.0041 ppm
Concentration per Run	0.0053 ppm	0.0060 ppm	0.0052 ppm	0.0047 ppm	0.0059 ppm	0.0166 ppm	0.0045 ppm
Concentration per Run	0.0053 ppm	0.0059 ppm	0.0054 ppm	0.0044 ppm	0.0063 ppm	0.0347 ppm	0.0046 ppm
Concentration per Run	0.0053 ppm	0.0057 ppm	0.0048 ppm	0.0043 ppm	0.0062 ppm	0.0584 ppm	0.0033 ppm
Recovery Percentage	106.143 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	0.5 %	2.4 %	6.4 %	4.6 %	3.5 %	57.4 %	18.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0067 ppm	0.0052 ppm	0.0049 ppm	0.0080 ppm	0.0053 ppm	0.0058 ppm	0.0049 ppm
Concentration per Run	0.0071 ppm	0.0051 ppm	0.0048 ppm	0.0099 ppm	0.0054 ppm	0.0047 ppm	0.0042 ppm
Concentration per Run	0.0052 ppm	0.0053 ppm	0.0052 ppm	0.1031 ppm	0.0056 ppm	0.0061 ppm	0.0048 ppm
Concentration per Run	0.0080 ppm	0.0052 ppm	0.0047 ppm	0.0940 ppm	0.0050 ppm	0.0065 ppm	0.0058 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	21.3 %	1.6 %	5.0 %	4.8 %	6.3 %	15.8 %	16.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0062 ppm	0.0524 ppm	0.0060 ppm	0.0049 ppm	0.0037 ppm	0.0060 ppm	0.0048 ppm
Concentration per Run	0.0045 ppm	0.0527 ppm	0.0061 ppm	0.0049 ppm	0.0035 ppm	0.0067 ppm	0.0047 ppm
Concentration per Run	0.0074 ppm	0.0519 ppm	0.0058 ppm	0.0050 ppm	0.0039 ppm	0.0052 ppm	0.0051 ppm
Concentration per Run	0.0067 ppm	0.0527 ppm	0.0060 ppm	0.0049 ppm	0.0038 ppm	0.0062 ppm	0.0047 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	24.1 %	0.9 %	2.2 %	1.4 %	5.7 %	13.1 %	4.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0058 ppm	98.2821 %	97.6524 %	97.2858 %	99.1083 %	100.7604 %	97.1621 %
Concentration per Run	0.0055 ppm	98.2338 %	97.4664 %	97.7297 %	98.9368 %	101.5353 %	97.4497 %
Concentration per Run	0.0057 ppm	98.2563 %	97.5507 %	97.5507 %	99.2367 %	101.1168 %	97.6872 %
Concentration per Run	0.0055 ppm	98.3561 %	97.5159 %	96.5770 %	99.1515 %	99.6292 %	96.3494 %
Recovery Percentage	111.551 %	0.1 %	0.3 %	0.6 %	0.2 %	1.0 %	0.7 %
Concentration RSD	1.9 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553987-06 WG2108398

Analysis started at: 9/11/2025 4:23:56 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 21

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.1281 ppm	0.0002 ppm	0.0098 ppm	0.1626 ppm	0.0004 ppm	1.4528 ppm
Concentration per Run	-0.0005 ppm	0.1224 ppm	-0.0041 ppm	0.0111 ppm	0.1633 ppm	0.0004 ppm	1.4515 ppm
Concentration per Run	-0.0006 ppm	0.1268 ppm	0.0040 ppm	0.0102 ppm	0.1616 ppm	0.0005 ppm	1.4517 ppm
Concentration per Run	0.0001 ppm	0.1349 ppm	0.0007 ppm	0.0081 ppm	0.1628 ppm	0.0004 ppm	1.4552 ppm
Concentration RSD	112.3 %	4.9 %	2.040.1 %	15.6 %	0.5 %	9.5 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0013 ppm	0.0038 ppm	-0.0003 ppm	0.0151 ppm	0.0149 ppm	0.9798 ppm	0.0025 ppm
Concentration per Run	0.0013 ppm	0.0041 ppm	-0.0004 ppm	0.0153 ppm	0.0141 ppm	0.9991 ppm	0.0014 ppm
Concentration per Run	0.0012 ppm	0.0039 ppm	-0.0001 ppm	0.0150 ppm	0.0156 ppm	0.9424 ppm	0.0035 ppm
Concentration per Run	0.0013 ppm	0.0035 ppm	-0.0005 ppm	0.0151 ppm	0.0148 ppm	0.9978 ppm	0.0026 ppm
Concentration RSD	6.7 %	8.2 %	56.1 %	1.0 %	5.1 %	3.3 %	40.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.7361 ppm	0.0899 ppm	0.0001 ppm	1.4899 ppm	0.0087 ppm	0.0010 ppm	-0.0010 ppm
Concentration per Run	0.7412 ppm	0.0902 ppm	-0.0005 ppm	1.4991 ppm	0.0091 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run	0.7337 ppm	0.0897 ppm	0.0003 ppm	1.4843 ppm	0.0086 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run	0.7334 ppm	0.0899 ppm	0.0003 ppm	1.4864 ppm	0.0086 ppm	0.0014 ppm	0.0003 ppm
Concentration RSD	0.6 %	0.3 %	902.0 %	0.5 %	3.4 %	85.4 %	199.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	4.6576 ppm	0.0002 ppm	0.0087 ppm	-0.0015 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0009 ppm	4.6734 ppm	-0.0007 ppm	0.0087 ppm	-0.0013 ppm	0.0023 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	4.6424 ppm	0.0014 ppm	0.0087 ppm	-0.0016 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run	0.0010 ppm	4.6569 ppm	-0.0001 ppm	0.0087 ppm	-0.0017 ppm	0.0002 ppm	0.0002 ppm
Concentration RSD	56.8 %	0.3 %	648.9 %	0.4 %	14.8 %	129.3 %	6.570.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3114 ppm	102.7794 %	101.4691 %	102.3551 %	102.5707 %	103.1437 %	101.3704 %
Concentration per Run	0.3128 ppm	102.4092 %	101.7953 %	102.3754 %	102.7635 %	105.0855 %	101.3769 %
Concentration per Run	0.3109 ppm	103.5170 %	101.1765 %	101.7608 %	102.8160 %	101.9973 %	100.7317 %
Concentration per Run	0.3105 ppm	102.4118 %	101.4355 %	102.9292 %	102.1326 %	102.3484 %	102.0027 %
Concentration RSD	0.4 %	0.6 %	0.3 %	0.6 %	0.4 %	1.6 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2108398-7 WG2108398

Analysis started at: 9/11/2025 4:26:13 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 22

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0517 ppm	2.2188 ppm	0.1249 ppm	1.0286 ppm	2.1865 ppm	0.0531 ppm	12.1887 ppm
Concentration per Run	0.0519 ppm	2.2367 ppm	0.1267 ppm	1.0263 ppm	2.1936 ppm	0.0532 ppm	12.1779 ppm
Concentration per Run	0.0514 ppm	2.2060 ppm	0.1244 ppm	1.0296 ppm	2.1931 ppm	0.0531 ppm	12.1770 ppm
Concentration per Run	0.0518 ppm	2.2136 ppm	0.1237 ppm	1.0300 ppm	2.1729 ppm	0.0530 ppm	12.2112 ppm
Concentration RSD	0.6 %	0.7 %	1.3 %	0.2 %	0.5 %	0.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0569 ppm	0.5100 ppm	0.2070 ppm	0.2779 ppm	1.0546 ppm	11.7464 ppm	0.0010 ppm
Concentration per Run	0.0569 ppm	0.5105 ppm	0.2076 ppm	0.2785 ppm	1.0522 ppm	11.7623 ppm	0.0008 ppm
Concentration per Run	0.0568 ppm	0.5101 ppm	0.2063 ppm	0.2782 ppm	1.0561 ppm	11.7829 ppm	0.0011 ppm
Concentration per Run	0.0571 ppm	0.5093 ppm	0.2071 ppm	0.2772 ppm	1.0554 ppm	11.6940 ppm	0.0011 ppm
Concentration RSD	0.3 %	0.1 %	0.3 %	0.2 %	0.2 %	0.4 %	16.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.6530 ppm	0.6043 ppm	1.0176 ppm	12.0386 ppm	0.5297 ppm	0.5508 ppm	0.5218 ppm
Concentration per Run	11.6973 ppm	0.6053 ppm	1.0160 ppm	12.1202 ppm	0.5316 ppm	0.5526 ppm	0.5236 ppm
Concentration per Run	11.6129 ppm	0.6054 ppm	1.0172 ppm	12.1331 ppm	0.5284 ppm	0.5493 ppm	0.5271 ppm
Concentration per Run	11.6487 ppm	0.6021 ppm	1.0197 ppm	11.8624 ppm	0.5291 ppm	0.5504 ppm	0.5147 ppm
Concentration RSD	0.4 %	0.3 %	0.2 %	1.3 %	0.3 %	0.3 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1268 ppm	6.0878 ppm	1.0097 [SiC xx]	1.0378 ppm	1.0582 ppm	0.1208 ppm	0.5330 ppm
Concentration per Run	0.1287 ppm	6.0891 ppm	1.0102 ppm	1.0403 ppm	1.0569 ppm	0.1210 ppm	0.5338 ppm
Concentration per Run	0.1260 ppm	6.0830 ppm	1.0124 ppm	1.0418 ppm	1.0544 ppm	0.1209 ppm	0.5330 ppm
Concentration per Run	0.1257 ppm	6.0914 ppm	1.0066 ppm	1.0314 ppm	1.0631 ppm	0.1206 ppm	0.5323 ppm
Concentration RSD	1.3 %	0.1 %	0.3 %	0.5 %	0.4 %	0.2 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.8216 ppm	101.0833 %	100.6194 %	99.0565 %	99.6294 %	101.6387 %	98.7010 %
Concentration per Run	0.8219 ppm	101.2448 %	100.4814 %	98.5008 %	99.3891 %	101.9626 %	98.2011 %
Concentration per Run	0.8222 ppm	100.5022 %	100.7823 %	99.3816 %	98.7313 %	103.0770 %	99.0088 %
Concentration per Run	0.8209 ppm	101.5029 %	100.5944 %	99.2870 %	100.7678 %	99.8764 %	98.8932 %
Concentration RSD	0.1 %	0.5 %	0.2 %	0.5 %	1.0 %	1.6 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2108398-8 WG2108398

Analysis started at: 9/11/2025 4:28:18 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 23

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0520 ppm	2.2277 ppm	0.1281 ppm	1.0725 ppm	2.2009 ppm	0.0532 ppm	12.6479 ppm
Concentration per Run	0.0520 ppm	2.2392 ppm	0.1283 ppm	1.0645 ppm	2.2057 ppm	0.0533 ppm	12.6447 ppm
Concentration per Run	0.0517 ppm	2.2149 ppm	0.1274 ppm	1.0726 ppm	2.1947 ppm	0.0530 ppm	12.6491 ppm
Concentration per Run	0.0522 ppm	2.2289 ppm	0.1287 ppm	1.0803 ppm	2.2022 ppm	0.0534 ppm	12.6498 ppm
Concentration RSD	0.5 %	0.5 %	0.5 %	0.7 %	0.3 %	0.4 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0572 ppm	0.5125 ppm	0.2088 ppm	0.2802 ppm	1.0550 ppm	12.2375 ppm	0.0027 ppm
Concentration per Run	0.0571 ppm	0.5099 ppm	0.2078 ppm	0.2803 ppm	1.0602 ppm	12.2563 ppm	0.0014 ppm
Concentration per Run	0.0572 ppm	0.5116 ppm	0.2084 ppm	0.2800 ppm	1.0466 ppm	12.1798 ppm	0.0041 ppm
Concentration per Run	0.0573 ppm	0.5161 ppm	0.2101 ppm	0.2804 ppm	1.0581 ppm	12.2765 ppm	0.0026 ppm
Concentration RSD	0.2 %	0.6 %	0.6 %	0.1 %	0.7 %	0.4 %	48.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.1119 ppm	0.6072 ppm	1.0661 ppm	12.5156 ppm	0.5330 ppm	0.5761 ppm	0.5242 ppm
Concentration per Run	12.0543 ppm	0.6071 ppm	1.0637 ppm	12.5686 ppm	0.5302 ppm	0.5743 ppm	0.5234 ppm
Concentration per Run	12.1724 ppm	0.6079 ppm	1.0643 ppm	12.5094 ppm	0.5329 ppm	0.5775 ppm	0.5208 ppm
Concentration per Run	12.1089 ppm	0.6066 ppm	1.0702 ppm	12.4689 ppm	0.5360 ppm	0.5763 ppm	0.5284 ppm
Concentration RSD	0.5 %	0.1 %	0.3 %	0.4 %	0.5 %	0.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1304 ppm	6.1922 ppm	1.0542 [SIC xx]	1.0846 ppm	1.1072 ppm	0.1264 ppm	0.5378 ppm
Concentration per Run	0.1295 ppm	6.1832 ppm	1.0515 ppm	1.0878 ppm	1.1010 ppm	0.1243 ppm	0.5369 ppm
Concentration per Run	0.1300 ppm	6.1819 ppm	1.0518 ppm	1.0802 ppm	1.1143 ppm	0.1275 ppm	0.5368 ppm
Concentration per Run	0.1317 ppm	6.2117 ppm	1.0594 ppm	1.0860 ppm	1.1062 ppm	0.1275 ppm	0.5397 ppm
Concentration RSD	0.9 %	0.3 %	0.4 %	0.4 %	0.6 %	1.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.8251 ppm	101.0932 %	100.4934 %	98.8650 %	99.6428 %	101.9253 %	98.7210 %
Concentration per Run	0.8208 ppm	101.2519 %	100.0370 %	99.2105 %	99.6060 %	102.1032 %	99.0526 %
Concentration per Run	0.8250 ppm	101.0004 %	100.8073 %	98.6072 %	99.4634 %	102.9573 %	98.4842 %
Concentration per Run	0.8296 ppm	101.0275 %	100.6360 %	98.7772 %	99.8591 %	100.7155 %	98.6261 %
Concentration RSD	0.5 %	0.1 %	0.4 %	0.3 %	0.2 %	1.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2108398-9 WG2108398

Analysis started at: 9/11/2025 4:30:24 PM

Comment <Comment>

Rack Number 2

Vial Numbers 24

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0479 ppm	2.0273 ppm	0.1142 ppm	0.9476 ppm	2.0208 ppm	0.0487 ppm	11.1868 ppm
Concentration per Run	0.0481 ppm	2.0319 ppm	0.1155 ppm	0.9491 ppm	2.0246 ppm	0.0489 ppm	11.1560 ppm
Concentration per Run	0.0478 ppm	2.0233 ppm	0.1129 ppm	0.9509 ppm	2.0146 ppm	0.0485 ppm	11.2031 ppm
Concentration per Run	0.0479 ppm	2.0267 ppm	0.1141 ppm	0.9427 ppm	2.0231 ppm	0.0486 ppm	11.2013 ppm
Concentration RSD	0.4 %	0.2 %	1.1 %	0.5 %	0.3 %	0.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0524 ppm	0.4729 ppm	0.1918 ppm	0.2575 ppm	0.9635 ppm	10.8276 ppm	0.0029 ppm
Concentration per Run	0.0525 ppm	0.4733 ppm	0.1920 ppm	0.2581 ppm	0.9622 ppm	10.8039 ppm	0.0028 ppm
Concentration per Run	0.0526 ppm	0.4739 ppm	0.1925 ppm	0.2594 ppm	0.9613 ppm	10.8261 ppm	0.0032 ppm
Concentration per Run	0.0522 ppm	0.4717 ppm	0.1911 ppm	0.2550 ppm	0.9670 ppm	10.8529 ppm	0.0026 ppm
Concentration RSD	0.4 %	0.2 %	0.4 %	0.9 %	0.3 %	0.2 %	9.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.7554 ppm	0.5597 ppm	0.9355 ppm	11.1338 ppm	0.4895 ppm	0.5070 ppm	0.4798 ppm
Concentration per Run	10.8164 ppm	0.5609 ppm	0.9397 ppm	11.0996 ppm	0.4887 ppm	0.5045 ppm	0.4819 ppm
Concentration per Run	10.8356 ppm	0.5590 ppm	0.9372 ppm	11.1561 ppm	0.4930 ppm	0.5077 ppm	0.4812 ppm
Concentration per Run	10.6141 ppm	0.5592 ppm	0.9297 ppm	11.1458 ppm	0.4868 ppm	0.5088 ppm	0.4757 ppm
Concentration RSD	1.1 %	0.2 %	0.6 %	0.3 %	0.7 %	0.4 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1127 ppm	5.4216 ppm	0.9418 ppm	0.9440 ppm	0.9697 ppm	0.1115 ppm	0.4938 ppm
Concentration per Run	0.1117 ppm	5.4325 ppm	0.9485 ppm	0.9462 ppm	0.9779 ppm	0.1098 ppm	0.4951 ppm
Concentration per Run	0.1146 ppm	5.4373 ppm	0.9346 ppm	0.9400 ppm	0.9694 ppm	0.1127 ppm	0.4948 ppm
Concentration per Run	0.1117 ppm	5.3950 ppm	0.9422 ppm	0.9457 ppm	0.9619 ppm	0.1119 ppm	0.4915 ppm
Concentration RSD	1.5 %	0.4 %	0.7 %	0.4 %	0.8 %	1.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7707 ppm	100.5910 %	99.9982 %	98.6244 %	99.5654 %	100.6607 %	98.4020 %
Concentration per Run	0.7723 ppm	100.2212 %	100.9364 %	98.9231 %	99.4904 %	101.7900 %	98.3287 %
Concentration per Run	0.7734 ppm	99.8521 %	98.6058 %	98.7503 %	99.1951 %	100.4177 %	98.5216 %
Concentration per Run	0.7663 ppm	101.6996 %	99.3079 %	98.3441 %	100.0106 %	99.7744 %	98.3555 %
Concentration RSD	0.5 %	1.0 %	0.8 %	0.3 %	0.4 %	1.0 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2108398-10d5 WG2108398

Analysis started at: 9/11/2025 4:32:30 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 25

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	0.0227 ppm	0.0002 ppm	0.0036 ppm	0.0323 ppm	0.0001 ppm	0.2947 ppm
Concentration per Run	-0.0005 ppm	0.0327 ppm	0.0001 ppm	0.0026 ppm	0.0324 ppm	0.0001 ppm	0.2941 ppm
Concentration per Run	-0.0008 ppm	0.0178 ppm	-0.0009 ppm	0.0032 ppm	0.0322 ppm	0.0001 ppm	0.3011 ppm
Concentration per Run	-0.0007 ppm	0.0175 ppm	0.0015 ppm	0.0049 ppm	0.0324 ppm	0.0001 ppm	0.2890 ppm
Concentration RSD	24.3 %	38.4 %	521.4 %	33.7 %	0.4 %	19.2 %	2.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0003 ppm	-0.0001 ppm	0.0028 ppm	0.0031 ppm	0.1760 ppm	-0.0007 ppm
Concentration per Run	0.0003 ppm	0.0010 ppm	0.0010 ppm	0.0029 ppm	0.0022 ppm	0.1727 ppm	-0.0015 ppm
Concentration per Run	0.0003 ppm	0.0005 ppm	-0.0002 ppm	0.0032 ppm	0.0034 ppm	0.1887 ppm	0.0016 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	-0.0002 ppm	0.0024 ppm	0.0038 ppm	0.1666 ppm	-0.0021 ppm
Concentration RSD	17.3 %	43.7 %	131.5 %	14.9 %	25.7 %	6.5 %	307.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1487 ppm	0.0180 ppm	0.0004 ppm	0.2952 ppm	0.0010 ppm	0.0005 ppm	0.0034 ppm
Concentration per Run	0.1469 ppm	0.0181 ppm	0.0006 ppm	0.2997 ppm	0.0019 ppm	0.0011 ppm	0.0008 ppm
Concentration per Run	0.1494 ppm	0.0179 ppm	0.0001 ppm	0.2924 ppm	0.0006 ppm	0.0003 ppm	0.0048 ppm
Concentration per Run	0.1497 ppm	0.0180 ppm	0.0006 ppm	0.2935 ppm	0.0004 ppm	0.0000 ppm	0.0046 ppm
Concentration RSD	1.0 %	0.5 %	62.0 %	1.3 %	83.2 %	123.5 %	67.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	0.9347 ppm	0.0025 ppm	0.0017 ppm	-0.0012 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0015 ppm	0.9352 ppm	0.0020 ppm	0.0017 ppm	-0.0013 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0009 ppm	0.9370 ppm	0.0009 ppm	0.0016 ppm	-0.0013 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	-0.0019 ppm	0.9318 ppm	0.0033 ppm	0.0017 ppm	-0.0012 ppm	0.0012 ppm	0.0001 ppm
Concentration RSD	1,138.9 %	0.3 %	27.7 %	3.0 %	5.2 %	30.3 %	146.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-IFR)
Concentration average	0.0631 ppm	99.6811 %	98.8859 %	99.5728 %	98.5965 %	100.8221 %	97.9810 %
Concentration per Run	0.0625 ppm	100.1980 %	98.1422 %	99.1360 %	99.1083 %	100.2856 %	97.5371 %
Concentration per Run	0.0637 ppm	100.0517 %	99.2651 %	100.2344 %	99.0559 %	100.8405 %	98.7251 %
Concentration per Run	0.0630 ppm	98.7937 %	99.2505 %	99.3480 %	97.6253 %	101.3401 %	97.6808 %
Concentration RSD	1.0 %	0.8 %	0.7 %	0.6 %	0.9 %	0.5 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553978-01 WG2108398

Analysis started at: 9/11/2025 4:34:36 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 26

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	0.0010 ppm	0.0435 ppm	0.1424 ppm	0.2175 ppm	0.0000 ppm	172.2773 ppm
Concentration per Run	-0.0008 ppm	-0.0005 ppm	0.0425 ppm	0.1422 ppm	0.2180 ppm	0.0001 ppm	172.7219 ppm
Concentration per Run	-0.0005 ppm	-0.0063 ppm	0.0442 ppm	0.1423 ppm	0.2170 ppm	0.0000 ppm	172.7213 ppm
Concentration per Run	-0.0009 ppm	0.0143 ppm	0.0439 ppm	0.1428 ppm	0.2174 ppm	0.0000 ppm	171.3886 ppm
Concentration RSD	24.7 %	1,194.2 %	2.1 %	0.2 %	0.2 %	69.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0019 ppm	0.0014 ppm	0.0012 ppm	0.0005 ppm	0.7289 ppm	54.1249 ppm	0.0429 ppm
Concentration per Run	-0.0018 ppm	0.0010 ppm	0.0011 ppm	0.0004 ppm	0.7258 ppm	54.1637 ppm	0.0412 ppm
Concentration per Run	-0.0018 ppm	0.0016 ppm	0.0012 ppm	0.0006 ppm	0.7307 ppm	54.1282 ppm	0.0460 ppm
Concentration per Run	-0.0020 ppm	0.0016 ppm	0.0015 ppm	0.0006 ppm	0.7302 ppm	54.0829 ppm	0.0415 ppm
Concentration RSD	6.7 %	23.5 %	15.4 %	25.7 %	0.4 %	0.1 %	6.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	76.1750 ppm	0.0208 ppm	0.0009 ppm	64.1494 ppm	0.0100 ppm	-0.0007 ppm	0.0024 ppm
Concentration per Run	75.3986 ppm	0.0208 ppm	0.0010 ppm	64.4747 ppm	0.0104 ppm	-0.0006 ppm	0.0054 ppm
Concentration per Run	76.8174 ppm	0.0207 ppm	0.0010 ppm	63.8610 ppm	0.0094 ppm	-0.0004 ppm	0.0013 ppm
Concentration per Run	76.3091 ppm	0.0208 ppm	0.0006 ppm	64.1125 ppm	0.0104 ppm	-0.0010 ppm	0.0005 ppm
Concentration RSD	0.9 %	0.3 %	25.1 %	0.5 %	6.0 %	48.2 %	110.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	12.0594 ppm	-0.0001 ppm	1.6144 ppm	-0.0009 ppm	0.0011 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	11.9980 ppm	-0.0011 ppm	1.6194 ppm	-0.0014 ppm	0.0011 ppm	-0.0003 ppm
Concentration per Run	0.0064 ppm	12.0878 ppm	0.0003 ppm	1.6140 ppm	-0.0006 ppm	0.0017 ppm	-0.0001 ppm
Concentration per Run	-0.0015 ppm	12.0923 ppm	0.0006 ppm	1.6098 ppm	-0.0008 ppm	0.0005 ppm	-0.0002 ppm
Concentration RSD	258.8 %	0.4 %	1,016.2 %	0.3 %	46.7 %	55.7 %	43.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	96.9534 %	99.8575 %	90.3191 %	94.6340 %	100.6257 %	92.7577 %
Concentration per Run	0.0003 ppm	97.2607 %	99.2139 %	90.6210 %	95.2659 %	100.8844 %	92.8616 %
Concentration per Run	-0.0001 ppm	96.7854 %	99.9513 %	90.2134 %	94.4979 %	99.5778 %	92.8254 %
Concentration per Run	0.0004 ppm	96.8139 %	100.4074 %	90.1228 %	94.1382 %	101.4150 %	92.5861 %
Concentration RSD	134.2 %	0.3 %	0.6 %	0.3 %	0.6 %	0.9 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553978-02 WG2108398

Analysis started at: 9/11/2025 4:36:41 PM

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Rack Number 2

Vial Numbers 27

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0052 ppm	0.0751 ppm	0.1817 ppm	0.2643 ppm	0.0000 ppm	165.5985 ppm
Concentration per Run	-0.0006 ppm	-0.0070 ppm	0.0745 ppm	0.1811 ppm	0.2650 ppm	0.0001 ppm	165.3558 ppm
Concentration per Run	-0.0007 ppm	0.0010 ppm	0.0776 ppm	0.1813 ppm	0.2632 ppm	0.0000 ppm	165.2040 ppm
Concentration per Run	-0.0001 ppm	-0.0095 ppm	0.0733 ppm	0.1827 ppm	0.2647 ppm	0.0000 ppm	166.2356 ppm
Concentration RSD	62.1 %	105.2 %	3.0 %	0.5 %	0.4 %	45.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0018 ppm	0.0015 ppm	-0.0007 ppm	0.0023 ppm	5.3453 ppm	61.7149 ppm	0.0548 ppm
Concentration per Run	-0.0017 ppm	0.0014 ppm	-0.0006 ppm	0.0024 ppm	5.3452 ppm	61.5261 ppm	0.0551 ppm
Concentration per Run	-0.0018 ppm	0.0014 ppm	-0.0008 ppm	0.0023 ppm	5.3343 ppm	61.5377 ppm	0.0549 ppm
Concentration per Run	-0.0019 ppm	0.0015 ppm	-0.0008 ppm	0.0023 ppm	5.3565 ppm	62.0810 ppm	0.0544 ppm
Concentration RSD	6.5 %	4.4 %	21.1 %	3.9 %	0.2 %	0.5 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	78.6120 ppm	0.0222 ppm	0.0011 ppm	51.6309 ppm	0.0150 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run	78.9602 ppm	0.0221 ppm	0.0011 ppm	51.6282 ppm	0.0148 ppm	-0.0002 ppm	0.0021 ppm
Concentration per Run	78.8662 ppm	0.0222 ppm	0.0013 ppm	51.5339 ppm	0.0148 ppm	-0.0008 ppm	-0.0016 ppm
Concentration per Run	78.0096 ppm	0.0223 ppm	0.0008 ppm	51.7307 ppm	0.0155 ppm	-0.0009 ppm	-0.0001 ppm
Concentration RSD	0.7 %	0.3 %	25.2 %	0.2 %	2.8 %	58.5 %	1,468.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	11.7487 ppm	0.0001 ppm	1.8242 ppm	-0.0009 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run	-0.0004 ppm	11.7568 ppm	-0.0006 ppm	1.8231 ppm	-0.0009 ppm	0.0020 ppm	-0.0004 ppm
Concentration per Run	-0.0020 ppm	11.7646 ppm	0.0006 ppm	1.8221 ppm	-0.0009 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0016 ppm	11.7248 ppm	0.0004 ppm	1.8273 ppm	-0.0007 ppm	0.0011 ppm	-0.0002 ppm
Concentration RSD	650.9 %	0.2 %	605.7 %	0.2 %	14.6 %	139.6 %	41.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0238 ppm	98.0058 %	99.6908 %	91.2536 %	95.8332 %	99.8630 %	93.8777 %
Concentration per Run	0.0235 ppm	97.9595 %	99.5801 %	91.6517 %	95.8177 %	100.2957 %	94.2863 %
Concentration per Run	0.0242 ppm	98.1391 %	99.7842 %	91.0018 %	96.0200 %	100.0158 %	93.6528 %
Concentration per Run	0.0236 ppm	97.9187 %	99.7081 %	91.1071 %	95.6621 %	99.2775 %	93.6940 %
Concentration RSD	1.3 %	0.1 %	0.1 %	0.4 %	0.2 %	0.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553978-03.WG2108398

Analysis started at: 9/11/2025 4:38:47 PM

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Rack Number: 2

Vial Numbers: 28

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	-0.0032 ppm	0.0012 ppm	0.0069 ppm	0.1572 ppm	0.0000 ppm	202.8859 ppm
Concentration per Run	-0.0001 ppm	-0.0098 ppm	-0.0001 ppm	0.0081 ppm	0.1576 ppm	0.0000 ppm	203.2194 ppm
Concentration per Run	-0.0007 ppm	-0.0048 ppm	0.0025 ppm	0.0066 ppm	0.1571 ppm	0.0000 ppm	202.6833 ppm
Concentration per Run	-0.0009 ppm	0.0051 ppm	0.0017 ppm	0.0060 ppm	0.1569 ppm	0.0000 ppm	202.7550 ppm
Concentration RSD	71.9 %	237.1 %	132.4 %	16.0 %	0.2 %	63.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0020 ppm	0.0055 ppm	-0.0007 ppm	0.0009 ppm	0.3426 ppm	6.8462 ppm	-0.0021 ppm
Concentration per Run	-0.0020 ppm	0.0055 ppm	-0.0009 ppm	0.0009 ppm	0.3443 ppm	6.8771 ppm	-0.0008 ppm
Concentration per Run	-0.0021 ppm	0.0057 ppm	-0.0006 ppm	0.0012 ppm	0.3424 ppm	6.8332 ppm	-0.0018 ppm
Concentration per Run	-0.0020 ppm	0.0053 ppm	-0.0005 ppm	0.0007 ppm	0.3411 ppm	6.8283 ppm	-0.0036 ppm
Concentration RSD	3.4 %	3.1 %	32.5 %	29.9 %	0.5 %	0.4 %	69.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	30.6802 ppm	2.6491 ppm	0.0009 ppm	28.1044 ppm	0.0099 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run	30.5676 ppm	2.6455 ppm	0.0007 ppm	27.9417 ppm	0.0099 ppm	0.0008 ppm	0.0037 ppm
Concentration per Run	30.8073 ppm	2.6472 ppm	0.0011 ppm	28.1227 ppm	0.0097 ppm	-0.0011 ppm	-0.0020 ppm
Concentration per Run	30.6656 ppm	2.6547 ppm	0.0010 ppm	28.2489 ppm	0.0101 ppm	0.0007 ppm	0.0040 ppm
Concentration RSD	0.4 %	0.2 %	19.0 %	0.5 %	1.9 %	720.2 %	181.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	4.5995 ppm	-0.0002 ppm	0.2245 ppm	-0.0008 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run	0.0018 ppm	4.5884 ppm	0.0000 ppm	0.2251 ppm	-0.0006 ppm	0.0031 ppm	0.0001 ppm
Concentration per Run	0.0004 ppm	4.5948 ppm	-0.0003 ppm	0.2248 ppm	-0.0006 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	0.0042 ppm	4.6153 ppm	-0.0002 ppm	0.2237 ppm	-0.0011 ppm	0.0004 ppm	0.0002 ppm
Concentration RSD	89.3 %	0.3 %	79.7 %	0.3 %	33.4 %	93.7 %	51.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0076 ppm	97.3811 %	98.7073 %	91.6640 %	95.3129 %	99.4042 %	93.6209 %
Concentration per Run	0.0075 ppm	97.3955 %	98.8897 %	91.5276 %	95.1847 %	99.6020 %	93.3553 %
Concentration per Run	0.0075 ppm	97.6838 %	98.9261 %	91.4255 %	95.5487 %	99.4897 %	93.6304 %
Concentration per Run	0.0078 ppm	97.0641 %	98.3060 %	92.0388 %	95.2051 %	99.1210 %	93.8770 %
Concentration RSD	2.1 %	0.3 %	0.4 %	0.4 %	0.2 %	0.3 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553987-01 WG2108398

Analysis started at: 9/11/2025 4:40:52 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 29

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0147 ppm	0.0011 ppm	0.0789 ppm	0.0442 ppm	0.0000 ppm	10.0469 ppm
Concentration per Run	-0.0002 ppm	0.0251 ppm	0.0003 ppm	0.0797 ppm	0.0444 ppm	0.0001 ppm	10.0364 ppm
Concentration per Run	-0.0003 ppm	0.0121 ppm	0.0009 ppm	0.0773 ppm	0.0442 ppm	0.0000 ppm	10.0512 ppm
Concentration per Run	-0.0003 ppm	0.0069 ppm	0.0021 ppm	0.0796 ppm	0.0440 ppm	0.0000 ppm	10.0521 ppm
Concentration RSD	18.5 %	64.0 %	83.0 %	1.7 %	0.5 %	134.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0077 ppm	0.0062 ppm	8.9140 ppm	-0.0008 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	0.0001 ppm	0.0076 ppm	0.0071 ppm	8.9098 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0078 ppm	0.0046 ppm	8.9176 ppm	-0.0009 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0010 ppm	0.0076 ppm	0.0069 ppm	8.9147 ppm	-0.0011 ppm
Concentration RSD	59.0 %	3,004.5 %	71.9 %	0.9 %	22.6 %	0.0 %	46.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.8890 ppm	0.0008 ppm	0.0003 ppm	1.2370 ppm	0.0004 ppm	0.0018 ppm	0.0029 ppm
Concentration per Run	12.9290 ppm	0.0008 ppm	0.0003 ppm	1.2445 ppm	0.0002 ppm	0.0021 ppm	0.0028 ppm
Concentration per Run	12.8244 ppm	0.0009 ppm	0.0002 ppm	1.2337 ppm	0.0003 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run	12.9138 ppm	0.0008 ppm	0.0003 ppm	1.2330 ppm	0.0005 ppm	0.0019 ppm	0.0055 ppm
Concentration RSD	0.4 %	6.4 %	36.1 %	0.5 %	38.5 %	17.2 %	89.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0515 ppm	1.8521 ppm	-0.0002 ppm	0.0243 ppm	-0.0008 ppm	0.0011 ppm	-0.0002 ppm
Concentration per Run	0.0524 ppm	1.8532 ppm	0.0006 ppm	0.0244 ppm	-0.0009 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run	0.0526 ppm	1.8470 ppm	0.0004 ppm	0.0243 ppm	-0.0007 ppm	0.0005 ppm	-0.0004 ppm
Concentration per Run	0.0495 ppm	1.8561 ppm	-0.0015 ppm	0.0243 ppm	-0.0008 ppm	0.0014 ppm	-0.0002 ppm
Concentration RSD	3.3 %	0.3 %	734.6 %	0.2 %	10.9 %	47.3 %	51.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0041 ppm	101.9441 %	100.0640 %	100.0446 %	100.8933 %	100.6763 %	99.4151 %
Concentration per Run	0.0042 ppm	101.6561 %	100.0561 %	100.4702 %	100.6229 %	102.2085 %	99.8853 %
Concentration per Run	0.0040 ppm	102.1583 %	98.8854 %	100.1183 %	100.9802 %	99.2958 %	99.3242 %
Concentration per Run	0.0040 ppm	102.0180 %	101.2506 %	99.5453 %	101.0770 %	100.5247 %	99.0358 %
Concentration RSD	2.3 %	0.3 %	1.2 %	0.5 %	0.2 %	1.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 4:42:58 PM

Analysis started at: 9/11/2025 4:42:58 PM

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Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5044 ppm	0.4776 ppm	0.4835 ppm	0.4800 ppm	0.4916 ppm	0.5048 ppm	0.4923 ppm
Concentration per Run	0.5017 ppm	0.4805 ppm	0.4848 ppm	0.4783 ppm	0.4900 ppm	0.5030 ppm	0.4964 ppm
Concentration per Run	0.5057 ppm	0.4799 ppm	0.4841 ppm	0.4830 ppm	0.4934 ppm	0.5075 ppm	0.4934 ppm
Concentration per Run	0.5059 ppm	0.4724 ppm	0.4817 ppm	0.4785 ppm	0.4914 ppm	0.5039 ppm	0.4877 ppm
Recovery Percentage	100.886 %	95.518 %	96.702 %	95.993 %	98.323 %	100.958 %	98.466 %
Concentration RSD	0.5 %	0.9 %	0.3 %	0.6 %	0.4 %	0.5 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5149 ppm	0.5068 ppm	0.5108 ppm	0.5225 ppm	0.4991 ppm	5.1461 ppm	0.4931 ppm
Concentration per Run	0.5120 ppm	0.5058 ppm	0.5104 ppm	0.5203 ppm	0.4959 ppm	5.1081 ppm	0.4873 ppm
Concentration per Run	0.5156 ppm	0.5068 ppm	0.5108 ppm	0.5237 ppm	0.5020 ppm	5.1414 ppm	0.5011 ppm
Concentration per Run	0.5172 ppm	0.5077 ppm	0.5111 ppm	0.5236 ppm	0.4993 ppm	5.1888 ppm	0.4908 ppm
Recovery Percentage	102.983 %	101.353 %	102.157 %	104.502 %	99.812 %	102.922 %	98.611 %
Concentration RSD	0.5 %	0.2 %	0.1 %	0.4 %	0.6 %	0.8 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5228 ppm	0.5048 ppm	0.4877 ppm	10.1336 ppm	0.5154 ppm	0.5084 ppm	0.5141 ppm
Concentration per Run	0.5203 ppm	0.5056 ppm	0.4861 ppm	10.1546 ppm	0.5134 ppm	0.5084 ppm	0.5155 ppm
Concentration per Run	0.5235 ppm	0.5037 ppm	0.4875 ppm	10.0789 ppm	0.5161 ppm	0.5080 ppm	0.5166 ppm
Concentration per Run	0.5246 ppm	0.5053 ppm	0.4895 ppm	10.1671 ppm	0.5167 ppm	0.5087 ppm	0.5102 ppm
Recovery Percentage	104.556 %	100.970 %	97.541 %	101.336 %	103.082 %	101.672 %	102.818 %
Concentration RSD	0.4 %	0.2 %	0.3 %	0.5 %	0.3 %	0.1 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4794 ppm	5.4044 ppm	0.4965 ppm	0.4992 ppm	0.5095 ppm	0.4949 ppm	0.5148 ppm
Concentration per Run	0.4781 ppm	5.3806 ppm	0.4935 ppm	0.4982 ppm	0.5065 ppm	0.4948 ppm	0.5125 ppm
Concentration per Run	0.4793 ppm	5.4179 ppm	0.4939 ppm	0.5015 ppm	0.5124 ppm	0.4946 ppm	0.5163 ppm
Concentration per Run	0.4807 ppm	5.4148 ppm	0.5021 ppm	0.4979 ppm	0.5096 ppm	0.4955 ppm	0.5156 ppm
Recovery Percentage	95.878 %	102.941 %	99.297 %	99.838 %	101.900 %	98.988 %	102.959 %
Concentration RSD	0.3 %	0.4 %	1.0 %	0.4 %	0.6 %	0.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4913 ppm	99.0735 %	97.8346 %	97.5871 %	96.9737 %	98.4492 %	96.2626 %
Concentration per Run	0.4890 ppm	99.0727 %	98.6090 %	97.9268 %	96.4651 %	98.5787 %	96.1711 %
Concentration per Run	0.4912 ppm	99.5628 %	97.9244 %	97.2732 %	97.8527 %	98.0016 %	96.2342 %
Concentration per Run	0.4937 ppm	98.5850 %	96.9704 %	97.5613 %	96.6034 %	98.7674 %	96.3825 %
Recovery Percentage	98.253 %						
Concentration RSD	0.5 %	0.5 %	0.8 %	0.3 %	0.8 %	0.4 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCB

Sample: 9/11/2025 4:45:04 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	-0.0028 ppm	0.0008 ppm	0.0015 ppm	-0.0002 ppm	0.0000 ppm	-0.0060 ppm
Concentration per Run	-0.0005 ppm	-0.0005 ppm	-0.0005 ppm	0.0003 ppm	-0.0005 ppm	0.0001 ppm	-0.0064 ppm
Concentration per Run	-0.0008 ppm	0.0021 ppm	0.0010 ppm	0.0027 ppm	-0.0002 ppm	0.0000 ppm	-0.0070 ppm
Concentration per Run	-0.0009 ppm	-0.0043 ppm	0.0019 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	-0.0046 ppm
Recovery Percentage	-10.325 %	-2.754 %	16.271 %	4.916 %	-1.725 %	0.543 %	-6.001 %
Concentration RSD	33.5 %	155.0 %	144.8 %	80.2 %	63.2 %	140.2 %	21.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0002 ppm	0.0012 ppm	-0.0124 ppm	-0.0013 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0008 ppm	0.0004 ppm	0.0015 ppm	-0.0020 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0001 ppm	0.0014 ppm	-0.0258 ppm	-0.0017 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	-0.0095 ppm	-0.0015 ppm
Recovery Percentage	1.501 %	2.242 %	2.289 %	2.289 %	2.301 %	-0.497 %	-26.418 %
Concentration RSD	35.1 %	90.0 %	50.7 %	50.7 %	45.8 %	97.7 %	39.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0017 ppm	0.0000 ppm	0.0000 ppm	-0.0102 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	-0.0021 ppm	-0.0001 ppm	0.0003 ppm	-0.0020 ppm	0.0001 ppm	0.0004 ppm	0.0018 ppm
Concentration per Run	-0.0013 ppm	0.0001 ppm	0.0006 ppm	-0.0116 ppm	0.0002 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run	-0.0016 ppm	0.0001 ppm	-0.0003 ppm	-0.0170 ppm	0.0000 ppm	-0.0001 ppm	-0.0020 ppm
Recovery Percentage	-1.668 %	0.207 %	0.366 %	-0.510 %	0.344 %	2.182 %	0.039 %
Concentration RSD	25.2 %	366.5 %	254.9 %	74.7 %	148.2 %	136.7 %	10.076.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	-0.0009 ppm	0.0011 ppm	-0.0001 ppm	-0.0018 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0003 ppm	-0.0013 ppm	0.0014 ppm	0.0000 ppm	-0.0015 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	0.0012 ppm	-0.0018 ppm	0.0014 ppm	-0.0001 ppm	-0.0022 ppm	0.0018 ppm	-0.0003 ppm
Concentration per Run	0.0017 ppm	0.0004 ppm	0.0006 ppm	-0.0002 ppm	-0.0016 ppm	0.0005 ppm	-0.0002 ppm
Recovery Percentage	10.411 %	-0.181 %	2.288 %	-1.197 %	-17.670 %	4.422 %	-1.630 %
Concentration RSD	66.7 %	132.4 %	42.7 %	93.5 %	20.0 %	92.0 %	102.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	97.5272 %	96.6821 %	96.8045 %	97.7791 %	98.1881 %	96.7514 %
Concentration per Run	0.0000 ppm	97.7524 %	96.7495 %	96.4172 %	98.3194 %	97.8335 %	96.7163 %
Concentration per Run	0.0001 ppm	97.5791 %	96.4318 %	96.5984 %	97.7232 %	97.0962 %	96.4535 %
Concentration per Run	0.0002 ppm	97.2500 %	96.8650 %	97.3978 %	97.2948 %	99.6345 %	97.0844 %
Recovery Percentage	1.606 %						
Concentration RSD	134.7 %	0.3 %	0.2 %	0.5 %	0.5 %	1.3 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-1 WG2112183

Analysis started at: 9/11/2025 4:48:56 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 33

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0033 ppm	0.0014 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0278 ppm
Concentration per Run	0.0001 ppm	-0.0021 ppm	0.0013 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0273 ppm
Concentration per Run	-0.0002 ppm	0.0086 ppm	0.0001 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0317 ppm
Concentration per Run	-0.0003 ppm	0.0034 ppm	0.0027 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0245 ppm
Concentration RSD	156.9 %	162.4 %	95.2 %	103.2 %	606.7 %	96.8 %	13.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0004 ppm	0.0127 ppm	-0.0265 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0002 ppm	0.0005 ppm	0.0141 ppm	-0.0190 ppm	-0.0018 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0125 ppm	-0.0434 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0006 ppm	0.0006 ppm	0.0116 ppm	-0.0171 ppm	0.0018 ppm
Concentration RSD	34.3 %	68.5 %	106.9 %	68.1 %	10.1 %	55.4 %	2,007.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0070 ppm	0.0008 ppm	0.0000 ppm	0.0148 ppm	0.0010 ppm	0.0011 ppm	0.0029 ppm
Concentration per Run	0.0086 ppm	0.0008 ppm	-0.0005 ppm	0.0140 ppm	0.0010 ppm	0.0027 ppm	0.0016 ppm
Concentration per Run	0.0063 ppm	0.0008 ppm	0.0004 ppm	0.0124 ppm	0.0014 ppm	0.0008 ppm	-0.0004 ppm
Concentration per Run	0.0063 ppm	0.0007 ppm	0.0002 ppm	0.0179 ppm	0.0007 ppm	-0.0001 ppm	0.0076 ppm
Concentration RSD	18.7 %	9.8 %	12,256.7 %	19.3 %	34.1 %	127.2 %	142.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	0.0074 ppm	0.0007 ppm	0.0000 ppm	-0.0014 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0048 ppm	0.0074 ppm	0.0005 ppm	0.0001 ppm	-0.0018 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0014 ppm	0.0049 ppm	0.0010 ppm	-0.0001 ppm	-0.0012 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0045 ppm	0.0099 ppm	0.0005 ppm	0.0001 ppm	-0.0013 ppm	0.0006 ppm	-0.0004 ppm
Concentration RSD	53.4 %	33.7 %	46.0 %	226.2 %	21.5 %	72.2 %	124.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0058 ppm	100.3103 %	99.1086 %	100.3020 %	100.6863 %	100.8092 %	99.9206 %
Concentration per Run	0.0059 ppm	99.9246 %	98.7658 %	100.3158 %	100.6747 %	101.6932 %	100.1270 %
Concentration per Run	0.0058 ppm	100.8682 %	100.0767 %	100.1993 %	100.8427 %	102.2341 %	99.4721 %
Concentration per Run	0.0058 ppm	100.1382 %	98.4833 %	100.3911 %	100.5415 %	98.5004 %	100.1625 %
Concentration RSD	1.3 %	0.5 %	0.9 %	0.1 %	0.1 %	2.0 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-2 WG2112183

Analysis started at: 9/11/2025 4:51:02 PM

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Rack Number 2

Vial Numbers 34

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0546 ppm	2.0620 ppm	0.1206 ppm	0.9522 ppm	1.9932 ppm	0.0516 ppm	9.9668 ppm
Concentration per Run	0.0539 ppm	2.0537 ppm	0.1195 ppm	0.9543 ppm	1.9912 ppm	0.0517 ppm	9.9582 ppm
Concentration per Run	0.0551 ppm	2.0622 ppm	0.1203 ppm	0.9518 ppm	1.9893 ppm	0.0515 ppm	9.9648 ppm
Concentration per Run	0.0549 ppm	2.0702 ppm	0.1220 ppm	0.9504 ppm	1.9991 ppm	0.0515 ppm	9.9775 ppm
Concentration RSD	1.2 %	0.4 %	1.0 %	0.2 %	0.3 %	0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0544 ppm	0.5004 ppm	0.2048 ppm	0.2603 ppm	1.0263 ppm	10.2311 ppm	-0.0003 ppm
Concentration per Run	0.0547 ppm	0.5030 ppm	0.2054 ppm	0.2603 ppm	1.0317 ppm	10.2156 ppm	0.0017 ppm
Concentration per Run	0.0543 ppm	0.4992 ppm	0.2046 ppm	0.2606 ppm	1.0287 ppm	10.2187 ppm	-0.0016 ppm
Concentration per Run	0.0542 ppm	0.4990 ppm	0.2044 ppm	0.2600 ppm	1.0185 ppm	10.2591 ppm	-0.0009 ppm
Concentration RSD	0.5 %	0.4 %	0.2 %	0.1 %	0.7 %	0.2 %	631.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.3508 ppm	0.5053 ppm	0.9679 ppm	10.0571 ppm	0.5127 ppm	0.5331 ppm	0.5198 ppm
Concentration per Run	10.3234 ppm	0.5062 ppm	0.9694 ppm	10.0008 ppm	0.5129 ppm	0.5331 ppm	0.5173 ppm
Concentration per Run	10.3217 ppm	0.5039 ppm	0.9661 ppm	9.9722 ppm	0.5110 ppm	0.5347 ppm	0.5185 ppm
Concentration per Run	10.4072 ppm	0.5057 ppm	0.9682 ppm	10.1982 ppm	0.5141 ppm	0.5314 ppm	0.5237 ppm
Concentration RSD	0.5 %	0.2 %	0.2 %	1.2 %	0.3 %	0.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1177 ppm	1.1065 ppm	0.9639 ppm	0.9696 ppm	1.0055 ppm	0.1176 ppm	0.5295 ppm
Concentration per Run	0.1186 ppm	1.1078 ppm	0.9703 ppm	0.9708 ppm	1.0016 ppm	0.1176 ppm	0.5305 ppm
Concentration per Run	0.1172 ppm	1.1059 ppm	0.9588 ppm	0.9677 ppm	1.0077 ppm	0.1197 ppm	0.5296 ppm
Concentration per Run	0.1173 ppm	1.1059 ppm	0.9626 ppm	0.9702 ppm	1.0073 ppm	0.1156 ppm	0.5288 ppm
Concentration RSD	0.7 %	0.1 %	0.6 %	0.2 %	0.3 %	1.8 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4968 ppm	100.1889 %	99.8103 %	97.4025 %	98.7392 %	99.3994 %	96.8890 %
Concentration per Run	0.5001 ppm	99.6682 %	100.8151 %	96.9985 %	97.9512 %	99.6438 %	96.4887 %
Concentration per Run	0.4948 ppm	100.6821 %	99.5038 %	97.9205 %	99.3807 %	98.3995 %	97.5979 %
Concentration per Run	0.4949 ppm	100.2164 %	99.1121 %	97.2885 %	98.8858 %	100.1550 %	96.5804 %
Concentration RSD	0.6 %	0.5 %	0.9 %	0.5 %	0.7 %	0.9 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553987-02.WG2108398

Analysis started at: 9/11/2025 4:53:08 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 30

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0058 ppm	0.0019 ppm	0.0673 ppm	0.0538 ppm	0.0001 ppm	25.9396 ppm
Concentration per Run	-0.0007 ppm	0.0038 ppm	0.0020 ppm	0.0693 ppm	0.0539 ppm	0.0001 ppm	25.9563 ppm
Concentration per Run	0.0001 ppm	0.0061 ppm	0.0016 ppm	0.0681 ppm	0.0537 ppm	0.0001 ppm	25.8783 ppm
Concentration per Run	0.0000 ppm	0.0075 ppm	0.0021 ppm	0.0645 ppm	0.0538 ppm	0.0000 ppm	25.9843 ppm
Concentration RSD	249.8 %	32.1 %	14.7 %	3.7 %	0.1 %	30.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0018 ppm	0.0000 ppm	0.0111 ppm	0.0655 ppm	9.0263 ppm	0.0036 ppm
Concentration per Run	0.0001 ppm	0.0016 ppm	0.0002 ppm	0.0114 ppm	0.0654 ppm	9.0106 ppm	0.0057 ppm
Concentration per Run	0.0001 ppm	0.0020 ppm	-0.0004 ppm	0.0107 ppm	0.0655 ppm	8.9973 ppm	0.0022 ppm
Concentration per Run	0.0003 ppm	0.0019 ppm	0.0002 ppm	0.0112 ppm	0.0657 ppm	9.0709 ppm	0.0031 ppm
Concentration RSD	65.7 %	11.4 %	1.271.0 %	3.3 %	0.2 %	0.4 %	50.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.7311 ppm	2.5814 ppm	0.0018 ppm	15.5245 ppm	0.0078 ppm	0.0015 ppm	0.0008 ppm
Concentration per Run	12.6870 ppm	2.5901 ppm	0.0021 ppm	15.5027 ppm	0.0077 ppm	0.0012 ppm	0.0014 ppm
Concentration per Run	12.7702 ppm	2.5696 ppm	0.0015 ppm	15.4867 ppm	0.0081 ppm	0.0013 ppm	0.0006 ppm
Concentration per Run	12.7361 ppm	2.5845 ppm	0.0019 ppm	15.5842 ppm	0.0077 ppm	0.0020 ppm	0.0003 ppm
Concentration RSD	0.3 %	0.4 %	14.8 %	0.3 %	3.3 %	30.5 %	68.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0171 ppm	4.4405 ppm	0.0011 ppm	0.0844 ppm	-0.0012 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0168 ppm	4.4276 ppm	0.0015 ppm	0.0846 ppm	-0.0013 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0168 ppm	4.4442 ppm	0.0014 ppm	0.0845 ppm	-0.0014 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run	0.0178 ppm	4.4496 ppm	0.0005 ppm	0.0843 ppm	-0.0011 ppm	0.0009 ppm	-0.0004 ppm
Concentration RSD	3.3 %	0.3 %	45.5 %	0.2 %	11.4 %	212.3 %	307.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0112 ppm	102.2885 %	100.6418 %	98.9336 %	101.7589 %	103.0358 %	99.3808 %
Concentration per Run	0.0113 ppm	102.5748 %	100.8428 %	99.1762 %	102.4908 %	103.1211 %	99.6289 %
Concentration per Run	0.0112 ppm	102.0508 %	100.7828 %	98.3466 %	101.1488 %	103.1828 %	98.7574 %
Concentration per Run	0.0110 ppm	102.2402 %	100.2999 %	99.2781 %	101.6370 %	102.8035 %	99.7561 %
Concentration RSD	1.2 %	0.3 %	0.3 %	0.5 %	0.7 %	0.2 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553987-03.WG2108398

Analysis started at: 9/11/2025 4:55:13 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 31

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	2.2991 ppm	0.0604 ppm	0.3149 ppm	0.0816 ppm	0.0007 ppm	3.0883 ppm
Concentration per Run	-0.0007 ppm	2.3195 ppm	0.0615 ppm	0.3129 ppm	0.0816 ppm	0.0007 ppm	3.0917 ppm
Concentration per Run	0.0003 ppm	2.3012 ppm	0.0605 ppm	0.3167 ppm	0.0817 ppm	0.0007 ppm	3.0838 ppm
Concentration per Run	0.0000 ppm	2.2765 ppm	0.0592 ppm	0.3151 ppm	0.0813 ppm	0.0007 ppm	3.0893 ppm
Concentration RSD	347.7 %	0.9 %	1.9 %	0.6 %	0.2 %	3.7 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0016 ppm	0.0047 ppm	0.0245 ppm	3.3655 ppm	73.4030 ppm	0.0010 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	0.0049 ppm	0.0248 ppm	3.3726 ppm	73.2773 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	0.0018 ppm	0.0046 ppm	0.0245 ppm	3.3667 ppm	73.5217 ppm	0.0009 ppm
Concentration per Run	0.0002 ppm	0.0017 ppm	0.0047 ppm	0.0243 ppm	3.3570 ppm	73.4099 ppm	0.0016 ppm
Concentration RSD	18.8 %	17.2 %	3.0 %	1.0 %	0.2 %	0.2 %	66.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2548 ppm	0.3936 ppm	0.1762 ppm	17.8389 ppm	0.0034 ppm	0.0378 ppm	0.0011 ppm
Concentration per Run	0.2547 ppm	0.3932 ppm	0.1757 ppm	17.8415 ppm	0.0028 ppm	0.0383 ppm	0.0005 ppm
Concentration per Run	0.2565 ppm	0.3940 ppm	0.1772 ppm	17.8804 ppm	0.0039 ppm	0.0375 ppm	-0.0005 ppm
Concentration per Run	0.2533 ppm	0.3936 ppm	0.1757 ppm	17.7949 ppm	0.0035 ppm	0.0374 ppm	0.0035 ppm
Concentration RSD	0.6 %	0.1 %	0.5 %	0.2 %	16.4 %	1.3 %	182.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0046 ppm	2.2027 ppm	0.0008 ppm	0.0174 ppm	0.0872 ppm	0.0010 ppm	0.0271 ppm
Concentration per Run	0.0032 ppm	2.1458 ppm	0.0004 ppm	0.0175 ppm	0.0873 ppm	0.0004 ppm	0.0269 ppm
Concentration per Run	0.0068 ppm	2.2128 ppm	0.0017 ppm	0.0174 ppm	0.0876 ppm	0.0001 ppm	0.0271 ppm
Concentration per Run	0.0039 ppm	2.2496 ppm	0.0004 ppm	0.0175 ppm	0.0868 ppm	0.0026 ppm	0.0272 ppm
Concentration RSD	41.4 %	2.4 %	87.0 %	0.1 %	0.5 %	131.2 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0094 ppm	102.4953 %	102.5868 %	99.2478 %	106.6308 %	108.3215 %	104.9890 %
Concentration per Run	0.0095 ppm	102.8772 %	103.3821 %	99.9288 %	107.1899 %	109.4860 %	104.9359 %
Concentration per Run	0.0095 ppm	102.6687 %	99.5392 %	99.5392 %	107.0501 %	109.0885 %	105.1169 %
Concentration per Run	0.0092 ppm	101.9401 %	101.5903 %	99.2754 %	105.6525 %	106.3901 %	104.9141 %
Concentration RSD	1.7 %	0.5 %	0.9 %	0.3 %	0.8 %	1.6 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553987-04.WG2108398

Analysis started at: 9/11/2025 4:57:19 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 32

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.0107 ppm	0.0011 ppm	0.1367 ppm	0.1773 ppm	0.0000 ppm	23.9765 ppm
Concentration per Run	-0.0008 ppm	0.0043 ppm	0.0006 ppm	0.1364 ppm	0.1771 ppm	0.0000 ppm	24.0676 ppm
Concentration per Run	-0.0006 ppm	0.0155 ppm	0.0014 ppm	0.1376 ppm	0.1775 ppm	0.0001 ppm	23.8567 ppm
Concentration per Run	-0.0006 ppm	0.0124 ppm	0.0013 ppm	0.1361 ppm	0.1774 ppm	0.0000 ppm	24.0051 ppm
Concentration RSD	18.3 %	54.2 %	39.7 %	0.6 %	0.1 %	96.0 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0081 ppm	0.0022 ppm	23.8312 ppm	-0.0016 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0080 ppm	0.0017 ppm	23.8181 ppm	-0.0024 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0001 ppm	0.0080 ppm	0.0020 ppm	23.8558 ppm	-0.0015 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0003 ppm	0.0083 ppm	0.0028 ppm	23.8198 ppm	-0.0008 ppm
Concentration RSD	42.0 %	39.7 %	144.4 %	2.2 %	25.0 %	0.1 %	51.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.9146 ppm	3.0495 ppm	0.0275 ppm	4.8244 ppm	0.0029 ppm	0.0004 ppm	0.0014 ppm
Concentration per Run	15.9509 ppm	3.0573 ppm	0.0278 ppm	4.8111 ppm	0.0029 ppm	0.0003 ppm	0.0016 ppm
Concentration per Run	15.8898 ppm	3.0414 ppm	0.0278 ppm	4.8256 ppm	0.0025 ppm	0.0004 ppm	0.0038 ppm
Concentration per Run	15.9030 ppm	3.0497 ppm	0.0269 ppm	4.8365 ppm	0.0034 ppm	0.0005 ppm	-0.0011 ppm
Concentration RSD	0.2 %	0.3 %	1.8 %	0.3 %	14.4 %	28.8 %	175.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	2.0594 ppm	0.0005 ppm	0.0807 ppm	-0.0012 ppm	0.0007 ppm	-0.0003 ppm
Concentration per Run	0.0030 ppm	2.0525 ppm	0.0010 ppm	0.0806 ppm	-0.0014 ppm	0.0013 ppm	-0.0003 ppm
Concentration per Run	0.0025 ppm	2.0696 ppm	-0.0008 ppm	0.0807 ppm	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0013 ppm	2.0561 ppm	0.0012 ppm	0.0808 ppm	-0.0007 ppm	0.0008 ppm	-0.0003 ppm
Concentration RSD	38.3 %	0.4 %	225.8 %	0.1 %	34.6 %	105.2 %	31.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0021 ppm	100.0581 %	99.8747 %	97.7394 %	100.0780 %	101.9540 %	98.5509 %
Concentration per Run	0.0024 ppm	99.4898 %	99.1678 %	97.9372 %	99.6073 %	101.5599 %	99.1813 %
Concentration per Run	0.0022 ppm	100.4658 %	100.2654 %	97.8958 %	100.0484 %	102.1642 %	98.4670 %
Concentration per Run	0.0018 ppm	100.2187 %	100.1909 %	97.3852 %	100.5782 %	102.1380 %	98.0043 %
Concentration RSD	14.1 %	0.5 %	0.6 %	0.3 %	0.5 %	0.3 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555375-01 WG2112183

Analysis started at: 9/11/2025 4:59:25 PM

Comment <Comment>

Rack Number 2

Vial Numbers 35

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	42.7546 ppm	0.0184 ppm	0.2547 ppm	0.0265 ppm	0.0000 ppm	63.4865 ppm
Concentration per Run	0.0000 ppm	42.4896 ppm	0.0191 ppm	0.2463 ppm	0.0264 ppm	0.0000 ppm	63.0938 ppm
Concentration per Run	-0.0018 ppm	42.8818 ppm	0.0171 ppm	0.2556 ppm	0.0264 ppm	0.0001 ppm	63.4814 ppm
Concentration per Run	-0.0005 ppm	42.8924 ppm	0.0189 ppm	0.2621 ppm	0.0267 ppm	0.0000 ppm	63.8842 ppm
Concentration RSD	123.4 %	0.5 %	6.1 %	3.1 %	0.7 %	127.3 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0032 ppm	0.1146 ppm	0.2947 ppm	6.7858 ppm	2,689.8315 ppm	0.0122 ppm
Concentration per Run	-0.0004 ppm	0.0032 ppm	0.1119 ppm	0.2881 ppm	6.7881 ppm	2,670.9517 ppm	0.0126 ppm
Concentration per Run	-0.0005 ppm	0.0027 ppm	0.1151 ppm	0.2943 ppm	6.7960 ppm	2,695.5394 ppm	0.0132 ppm
Concentration per Run	-0.0005 ppm	0.0036 ppm	0.1167 ppm	0.3016 ppm	6.7733 ppm	2,703.0035 ppm	0.0108 ppm
Concentration RSD	14.3 %	13.9 %	2.2 %	2.3 %	0.2 %	0.6 %	10.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.6651 ppm	0.7196 ppm	0.0136 ppm	71.6504 ppm	0.0190 ppm	0.0052 ppm	0.0210 ppm
Concentration per Run	15.4039 ppm	0.7155 ppm	0.0128 ppm	70.9837 ppm	0.0185 ppm	0.0063 ppm	0.0205 ppm
Concentration per Run	15.6189 ppm	0.7196 ppm	0.0141 ppm	71.8330 ppm	0.0183 ppm	0.0052 ppm	0.0185 ppm
Concentration per Run	15.9724 ppm	0.7236 ppm	0.0139 ppm	72.1346 ppm	0.0203 ppm	0.0041 ppm	0.0240 ppm
Concentration RSD	1.8 %	0.6 %	5.4 %	0.8 %	5.8 %	21.6 %	13.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0078 ppm	3.6004 ppm	0.0501 ppm	0.2422 ppm	0.0483 ppm	0.0003 ppm	0.0094 ppm
Concentration per Run	0.0081 ppm	3.5213 ppm	0.0483 ppm	0.2410 ppm	0.0471 ppm	0.0003 ppm	0.0095 ppm
Concentration per Run	0.0046 ppm	3.6104 ppm	0.0505 ppm	0.2426 ppm	0.0485 ppm	0.0003 ppm	0.0093 ppm
Concentration per Run	0.0106 ppm	3.6696 ppm	0.0515 ppm	0.2429 ppm	0.0495 ppm	0.0004 ppm	0.0092 ppm
Concentration RSD	38.8 %	2.1 %	3.2 %	0.4 %	2.5 %	21.7 %	1.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.7458 ppm	69.4367 %	69.6657 %	62.0951 %	82.5188 %	90.0384 %	83.1912 %
Concentration per Run	2.6823 ppm	71.3782 %	70.1834 %	63.1468 %	83.1179 %	89.7699 %	83.7987 %
Concentration per Run	2.7489 ppm	69.2946 %	69.5121 %	62.0558 %	82.4323 %	90.2349 %	83.5104 %
Concentration per Run	2.8064 ppm	67.6374 %	69.3016 %	61.0946 %	82.0062 %	90.1103 %	82.2643 %
Concentration RSD	2.3 %	2.7 %	0.7 %	1.7 %	0.7 %	0.3 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-3 WG2112183

Analysis started at: 9/11/2025 5:01:30 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 36

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0707 ppm	46.0328 ppm	0.1420 ppm	1.4548 ppm	2.6143 ppm	0.0668 ppm	77.2267 ppm
Concentration per Run	0.0698 ppm	46.0725 ppm	0.1427 ppm	1.4526 ppm	2.5975 ppm	0.0666 ppm	77.1410 ppm
Concentration per Run	0.0701 ppm	45.9005 ppm	0.1410 ppm	1.4511 ppm	2.6190 ppm	0.0669 ppm	77.0112 ppm
Concentration per Run	0.0722 ppm	46.1255 ppm	0.1423 ppm	1.4608 ppm	2.6264 ppm	0.0669 ppm	77.5279 ppm
Concentration RSD	1.8 %	0.3 %	0.6 %	0.4 %	0.6 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0709 ppm	0.6366 ppm	0.3830 ppm	0.6332 ppm	7.9134 ppm	2,622.3684 ppm	0.0132 ppm
Concentration per Run	0.0709 ppm	0.6408 ppm	0.3850 ppm	0.6339 ppm	7.9166 ppm	2,612.5508 ppm	0.0144 ppm
Concentration per Run	0.0708 ppm	0.6297 ppm	0.3817 ppm	0.6310 ppm	7.9255 ppm	2,620.9561 ppm	0.0103 ppm
Concentration per Run	0.0709 ppm	0.6395 ppm	0.3824 ppm	0.6347 ppm	7.8980 ppm	2,633.5982 ppm	0.0150 ppm
Concentration RSD	0.1 %	1.0 %	0.5 %	0.3 %	0.2 %	0.4 %	19.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.1946 ppm	1.3833 ppm	1.2845 ppm	85.4546 ppm	0.6712 ppm	0.6968 ppm	0.6881 ppm
Concentration per Run	29.2942 ppm	1.3806 ppm	1.2830 ppm	84.6810 ppm	0.6706 ppm	0.6987 ppm	0.6826 ppm
Concentration per Run	29.0170 ppm	1.3806 ppm	1.2786 ppm	85.8715 ppm	0.6692 ppm	0.6982 ppm	0.6908 ppm
Concentration per Run	29.2726 ppm	1.3887 ppm	1.2919 ppm	85.8113 ppm	0.6737 ppm	0.6934 ppm	0.6909 ppm
Concentration RSD	0.5 %	0.3 %	0.5 %	0.8 %	0.3 %	0.4 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1761 ppm	5.3364 ppm	0.6587 ppm	1,5018 ppm	1.1682 ppm	0.1023 ppm	0.7120 ppm
Concentration per Run	0.1741 ppm	5.3216 ppm	0.6587 ppm	1.4956 ppm	1.1744 ppm	0.1032 ppm	0.7116 ppm
Concentration per Run	0.1713 ppm	5.3211 ppm	0.6539 ppm	1.5018 ppm	1.1585 ppm	0.1029 ppm	0.7087 ppm
Concentration per Run	0.1829 ppm	5.3666 ppm	0.6634 ppm	1.5080 ppm	1.1717 ppm	0.1008 ppm	0.7155 ppm
Concentration RSD	3.4 %	0.5 %	0.7 %	0.4 %	0.7 %	1.2 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	3.5473 ppm	65.4131 %	68.7668 %	60.4353 %	82.3787 %	88.9153 %	82.7440 %
Concentration per Run	3.5637 ppm	65.2977 %	68.8567 %	59.9733 %	82.3842 %	87.8789 %	81.8720 %
Concentration per Run	3.5354 ppm	65.6030 %	68.7614 %	60.4891 %	82.4657 %	89.5285 %	82.9456 %
Concentration per Run	3.5427 ppm	65.3386 %	68.6823 %	60.8435 %	82.2862 %	89.3387 %	83.4146 %
Concentration RSD	0.4 %	0.3 %	0.1 %	0.7 %	0.1 %	1.0 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-4.WG2112183

Analysis started at: 9/11/2025 5:03:35 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 37

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0015 ppm	42.0740 ppm	0.0160 ppm	0.2654 ppm	0.0258 ppm	0.0001 ppm	62.4896 ppm
Concentration per Run	-0.0011 ppm	41.9424 ppm	0.0167 ppm	0.2672 ppm	0.0259 ppm	0.0001 ppm	62.2234 ppm
Concentration per Run	-0.0018 ppm	42.2354 ppm	0.0144 ppm	0.2693 ppm	0.0259 ppm	0.0001 ppm	62.5098 ppm
Concentration per Run	-0.0016 ppm	42.0442 ppm	0.0169 ppm	0.2596 ppm	0.0258 ppm	0.0001 ppm	62.7356 ppm
Concentration RSD	24.0 %	0.4 %	8.9 %	1.9 %	0.3 %	14.6 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0031 ppm	0.1198 ppm	0.3057 ppm	7.9106 ppm	2,534.9473 ppm	0.0147 ppm
Concentration per Run	-0.0002 ppm	0.0035 ppm	0.1203 ppm	0.3046 ppm	7.8949 ppm	2,528.0497 ppm	0.0150 ppm
Concentration per Run	-0.0005 ppm	0.0025 ppm	0.1191 ppm	0.3063 ppm	7.9301 ppm	2,545.8608 ppm	0.0144 ppm
Concentration per Run	-0.0005 ppm	0.0033 ppm	0.1199 ppm	0.3061 ppm	7.9069 ppm	2,530.9313 ppm	0.0146 ppm
Concentration RSD	40.3 %	17.3 %	0.5 %	0.3 %	0.2 %	0.4 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	16.2059 ppm	0.7050 ppm	0.0148 ppm	69.9936 ppm	0.0190 ppm	0.0040 ppm	0.0164 ppm
Concentration per Run	16.4054 ppm	0.7034 ppm	0.0149 ppm	70.0712 ppm	0.0204 ppm	0.0017 ppm	0.0210 ppm
Concentration per Run	16.1834 ppm	0.7065 ppm	0.0148 ppm	70.1198 ppm	0.0184 ppm	0.0041 ppm	0.0171 ppm
Concentration per Run	16.0289 ppm	0.7051 ppm	0.0145 ppm	69.7900 ppm	0.0182 ppm	0.0062 ppm	0.0111 ppm
Concentration RSD	1.2 %	0.2 %	1.4 %	0.3 %	6.5 %	56.2 %	30.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	3.7132 ppm	0.0517 ppm	0.2367 ppm	0.0503 ppm	0.0015 ppm	0.0099 ppm
Concentration per Run	0.0102 ppm	3.7202 ppm	0.0522 ppm	0.2366 ppm	0.0512 ppm	0.0014 ppm	0.0102 ppm
Concentration per Run	-0.0020 ppm	3.7237 ppm	0.0510 ppm	0.2376 ppm	0.0500 ppm	0.0009 ppm	0.0102 ppm
Concentration per Run	0.0052 ppm	3.6956 ppm	0.0520 ppm	0.2360 ppm	0.0498 ppm	0.0022 ppm	0.0094 ppm
Concentration RSD	138.4 %	0.4 %	1.3 %	0.3 %	1.5 %	45.4 %	4.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.8400 ppm	65.0729 %	67.1861 %	60.5573 %	81.1538 %	85.9165 %	82.1903 %
Concentration per Run	2.8539 ppm	64.7794 %	66.8830 %	61.0881 %	81.0028 %	86.1139 %	82.6496 %
Concentration per Run	2.8469 ppm	64.8426 %	67.8131 %	60.0753 %	81.0477 %	87.0328 %	81.7862 %
Concentration per Run	2.8193 ppm	65.5968 %	66.8623 %	60.5087 %	81.4108 %	84.6027 %	82.1349 %
Concentration RSD	0.6 %	0.7 %	0.8 %	0.8 %	0.3 %	1.4 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-5 WG2112183

Analysis started at: 9/11/2025 5:05:40 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 38

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0611 ppm	46.1828 ppm	0.1356 ppm	1.4322 ppm	2.4441 ppm	0.0625 ppm	77.0675 ppm
Concentration per Run	0.0608 ppm	46.0759 ppm	0.1337 ppm	1.4260 ppm	2.4447 ppm	0.0627 ppm	76.9264 ppm
Concentration per Run	0.0617 ppm	46.0291 ppm	0.1347 ppm	1.4303 ppm	2.4369 ppm	0.0623 ppm	77.0770 ppm
Concentration per Run	0.0609 ppm	46.4434 ppm	0.1385 ppm	1.4404 ppm	2.4507 ppm	0.0624 ppm	77.1990 ppm
Concentration RSD	0.9 %	0.5 %	1.9 %	0.5 %	0.3 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0675 ppm	0.6029 ppm	0.3719 ppm	0.6185 ppm	8.1122 ppm	2,607.8565 ppm	0.0122 ppm
Concentration per Run	0.0679 ppm	0.6038 ppm	0.3709 ppm	0.6181 ppm	8.1660 ppm	2,601.9509 ppm	0.0125 ppm
Concentration per Run	0.0672 ppm	0.6009 ppm	0.3714 ppm	0.6187 ppm	8.0994 ppm	2,620.2361 ppm	0.0138 ppm
Concentration per Run	0.0675 ppm	0.6038 ppm	0.3735 ppm	0.6188 ppm	8.0711 ppm	2,601.3826 ppm	0.0104 ppm
Concentration RSD	0.5 %	0.3 %	0.4 %	0.1 %	0.6 %	0.4 %	14.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.1382 ppm	1.3449 ppm	1.2568 ppm	85.2037 ppm	0.6356 ppm	0.6658 ppm	0.6553 ppm
Concentration per Run	29.2340 ppm	1.3448 ppm	1.2575 ppm	84.7513 ppm	0.6308 ppm	0.6702 ppm	0.6567 ppm
Concentration per Run	28.8488 ppm	1.3418 ppm	1.2520 ppm	84.9856 ppm	0.6376 ppm	0.6641 ppm	0.6538 ppm
Concentration per Run	29.3318 ppm	1.3480 ppm	1.2607 ppm	85.8740 ppm	0.6382 ppm	0.6632 ppm	0.6555 ppm
Concentration RSD	0.9 %	0.2 %	0.4 %	0.7 %	0.6 %	0.6 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1651 ppm	4.8503 ppm	1.2870 [SIC xx]	1.4576 ppm	1.3416 ppm	0.0963 ppm	0.6708 ppm
Concentration per Run	0.1573 ppm	4.8508 ppm	1.2874 ppm	1.4581 ppm	1.3521 ppm	0.0982 ppm	0.6699 ppm
Concentration per Run	0.1740 ppm	4.8371 ppm	1.2881 ppm	1.4553 ppm	1.3231 ppm	0.0954 ppm	0.6678 ppm
Concentration per Run	0.1639 ppm	4.8630 ppm	1.2854 ppm	1.4594 ppm	1.3495 ppm	0.0952 ppm	0.6748 ppm
Concentration RSD	5.1 %	0.3 %	0.1 %	0.1 %	1.2 %	1.8 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	3.5790 ppm	61.3806 %	65.8990 %	57.9905 %	78.4655 %	86.7838 %	80.0823 %
Concentration per Run	3.5790 ppm	61.5771 %	66.2016 %	57.7878 %	78.9579 %	86.6241 %	79.8849 %
Concentration per Run	3.5719 ppm	61.5043 %	65.8455 %	58.2950 %	78.4258 %	86.0091 %	80.5063 %
Concentration per Run	3.5862 ppm	61.0604 %	65.6500 %	57.8887 %	78.0127 %	87.7182 %	79.8558 %
Concentration RSD	0.2 %	0.5 %	0.4 %	0.5 %	0.6 %	1.0 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-6d5 WG2112183

Analysis started at: 9/11/2025 5:07:46 PM

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Rack Number: 2

Vial Numbers: 39

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	7.6576 ppm		0.0536 ppm	0.0048 ppm	0.0000 ppm	11.5574 ppm
Concentration per Run	-0.0004 ppm	7.6456 ppm	0.0037 ppm	0.0536 ppm	0.0023 ppm	0.0000 ppm	11.5479 ppm
Concentration per Run	-0.0005 ppm	7.6597 ppm	0.0049 ppm	0.0548 ppm	0.0047 ppm	-0.0001 ppm	11.5611 ppm
Concentration per Run	-0.0013 ppm	7.6676 ppm	0.0040 ppm	0.0526 ppm	0.0047 ppm	0.0000 ppm	11.5634 ppm
Concentration RSD	66.3 %	0.1 %	36.3 %	2.0 %	3.4 %	348.3 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0014 ppm	0.0213 ppm	0.0565 ppm	1.2117 ppm	560.3715 ppm	0.0049 ppm
Concentration per Run	0.0000 ppm	0.0015 ppm	0.0213 ppm	0.0564 ppm	1.2138 ppm	551.4746 ppm	0.0028 ppm
Concentration per Run	-0.0001 ppm	0.0011 ppm	0.0215 ppm	0.0563 ppm	1.2048 ppm	563.9936 ppm	0.0069 ppm
Concentration per Run	-0.0001 ppm	0.0016 ppm	0.0210 ppm	0.0569 ppm	1.2163 ppm	565.6462 ppm	0.0051 ppm
Concentration RSD	72.6 %	19.0 %	1.2 %	0.5 %	0.5 %	1.4 %	41.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.9882 ppm	0.1285 ppm	0.0029 ppm	12.9346 ppm	0.0032 ppm	0.0009 ppm	0.0063 ppm
Concentration per Run	3.0028 ppm	0.1282 ppm	0.0029 ppm	12.8121 ppm	0.0041 ppm	0.0004 ppm	0.0093 ppm
Concentration per Run	2.9815 ppm	0.1289 ppm	0.0030 ppm	13.0024 ppm	0.0034 ppm	0.0016 ppm	0.0021 ppm
Concentration per Run	2.9802 ppm	0.1285 ppm	0.0029 ppm	12.9892 ppm	0.0020 ppm	0.0006 ppm	0.0076 ppm
Concentration RSD	0.4 %	0.3 %	1.8 %	0.8 %	33.8 %	77.4 %	59.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	0.6488 ppm	0.0103 ppm	0.0432 ppm	0.0082 ppm	0.0014 ppm	0.0015 ppm
Concentration per Run	0.0012 ppm	0.6508 ppm	0.0096 ppm	0.0432 ppm	0.0082 ppm	0.0015 ppm	0.0016 ppm
Concentration per Run	-0.0013 ppm	0.6490 ppm	0.0109 ppm	0.0432 ppm	0.0079 ppm	0.0020 ppm	0.0018 ppm
Concentration per Run	-0.0013 ppm	0.6467 ppm	0.0102 ppm	0.0432 ppm	0.0083 ppm	0.0005 ppm	0.0012 ppm
Concentration RSD	297.9 %	0.3 %	6.1 %	0.1 %	2.9 %	57.4 %	20.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4957 ppm	80.3421 %		75.7897 %	89.7572 %	92.5216 %	88.9979 %
Concentration per Run	0.4987 ppm	80.0684 %		75.9417 %	89.3083 %	91.5897 %	89.0182 %
Concentration per Run	0.4947 ppm	80.4278 %		74.9662 %	89.7697 %	93.0945 %	88.1775 %
Concentration per Run	0.4937 ppm	80.5301 %		76.4611 %	90.1935 %	92.8806 %	89.7981 %
Concentration RSD	0.5 %	0.3 %		1.0 %	0.5 %	0.9 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 5:09:51 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4495 ppm	0.4349 ppm	0.4850 ppm	0.4251 ppm	0.4419 ppm	0.4555 ppm	0.4437 ppm
Concentration per Run	0.4469 ppm	0.4374 ppm	0.4839 ppm	0.4240 ppm	0.4434 ppm	0.4566 ppm	0.4479 ppm
Concentration per Run	0.4496 ppm	0.4387 ppm	0.4832 ppm	0.4268 ppm	0.4405 ppm	0.4549 ppm	0.4405 ppm
Concentration per Run	0.4521 ppm	0.4286 ppm	0.4879 ppm	0.4246 ppm	0.4400 ppm	0.4550 ppm	0.4426 ppm
Recovery Percentage	89.902 %	86.983 %	97.002 %	85.027 %	88.374 %	91.098 %	88.736 %
Concentration RSD	0.6 %	1.3 %	0.5 %	0.3 %	0.4 %	0.2 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4528 ppm	0.4497 ppm	0.4522 ppm	0.4668 ppm	0.4519 ppm	5.5789 ppm	0.4512 ppm
Concentration per Run	0.4508 ppm	0.4500 ppm	0.4525 ppm	0.4652 ppm	0.4523 ppm	5.6351 ppm	0.4544 ppm
Concentration per Run	0.4531 ppm	0.4496 ppm	0.4530 ppm	0.4676 ppm	0.4488 ppm	5.5741 ppm	0.4487 ppm
Concentration per Run	0.4544 ppm	0.4494 ppm	0.4512 ppm	0.4675 ppm	0.4545 ppm	5.5274 ppm	0.4505 ppm
Recovery Percentage	90.552 %	89.935 %	90.442 %	93.355 %	90.371 %	111.577 %	90.246 %
Concentration RSD	0.4 %	0.1 %	0.2 %	0.3 %	0.6 %	1.0 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4647 ppm	0.4517 ppm	0.4290 ppm	9.1351 ppm	0.4535 ppm	0.4531 ppm	0.4569 ppm
Concentration per Run	0.4628 ppm	0.4531 ppm	0.4272 ppm	9.1572 ppm	0.4514 ppm	0.4522 ppm	0.4552 ppm
Concentration per Run	0.4663 ppm	0.4518 ppm	0.4299 ppm	9.2073 ppm	0.4558 ppm	0.4520 ppm	0.4525 ppm
Concentration per Run	0.4649 ppm	0.4500 ppm	0.4298 ppm	9.0407 ppm	0.4534 ppm	0.4552 ppm	0.4629 ppm
Recovery Percentage	92.932 %	90.333 %	85.797 %	91.351 %	90.704 %	90.630 %	91.376 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.9 %	0.5 %	0.4 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4297 ppm	4.7946 ppm	0.4376 ppm	0.4512 ppm	0.4517 ppm	0.3787 ppm	0.4564 ppm
Concentration per Run	0.4313 ppm	4.7877 ppm	0.4317 ppm	0.4537 ppm	0.4494 ppm	0.3691 ppm	0.4562 ppm
Concentration per Run	0.4295 ppm	4.7925 ppm	0.4393 ppm	0.4508 ppm	0.4520 ppm	0.3793 ppm	0.4559 ppm
Concentration per Run	0.4285 ppm	4.8038 ppm	0.4418 ppm	0.4491 ppm	0.4537 ppm	0.3878 ppm	0.4571 ppm
Recovery Percentage	85.948 %	91.327 %	87.520 %	90.240 %	90.344 %	75.748 %	91.282 %
Concentration RSD	0.3 %	0.2 %	1.2 %	0.5 %	0.5 %	2.5 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4302 ppm	112.1567 %	109.2020 %	109.9639 %	98.0181 %	98.6035 %	96.9377 %
Concentration per Run	0.4298 ppm	112.4152 %	108.7941 %	109.7287 %	97.7651 %	97.3333 %	96.4445 %
Concentration per Run	0.4302 ppm	112.0168 %	108.6387 %	110.5962 %	98.1795 %	99.4932 %	97.3941 %
Concentration per Run	0.4306 ppm	112.0382 %	110.1733 %	109.5668 %	98.1095 %	98.9841 %	96.9743 %
Recovery Percentage	86.040 %						
Concentration RSD	0.1 %	0.2 %	0.8 %	0.5 %	0.2 %	1.1 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 5:11:56 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0007 ppm	0.0011 ppm	0.0016 ppm	-0.0002 ppm	0.0001 ppm	-0.0035 ppm
Concentration per Run	-0.0004 ppm	0.0070 ppm	-0.0004 ppm	0.0018 ppm	-0.0004 ppm	0.0001 ppm	-0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0066 ppm	0.0004 ppm	0.0015 ppm	-0.0002 ppm	0.0001 ppm	-0.0091 ppm
Concentration per Run	-0.0001 ppm	-0.0024 ppm	0.0032 ppm	0.0015 ppm	-0.0002 ppm	0.0001 ppm	-0.0009 ppm
Recovery Percentage	-2.508 %	-0.666 %	21.441 %	5.305 %	-1.984 %	2.083 %	-3.529 %
Concentration RSD	121.7 %	1.045 %	174.5 %	13.9 %	26.7 %	4.9 %	137.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0006 ppm	-0.0002 ppm	0.0017 ppm	0.8517 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0008 ppm	-0.0004 ppm	0.0016 ppm	0.8615 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0005 ppm	-0.0002 ppm	0.0011 ppm	0.8448 ppm	-0.0029 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm	0.0025 ppm	0.8488 ppm	0.0036 ppm
Recovery Percentage	1.637 %	3.099 %	-1.279 %	-2.067 %	3.424 %	34.069 %	-0.063 %
Concentration RSD	49.5 %	25.1 %	221.5 %	78.1 %	40.6 %	1.0 %	103.444 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0009 ppm	-0.0001 ppm	0.0001 ppm	0.0126 ppm	-0.0006 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	-0.0016 ppm	-0.0002 ppm	0.0000 ppm	0.0145 ppm	-0.0005 ppm	-0.0004 ppm	0.0011 ppm
Concentration per Run	0.0003 ppm	-0.0002 ppm	0.0006 ppm	0.0108 ppm	-0.0011 ppm	0.0010 ppm	0.0011 ppm
Concentration per Run	-0.0014 ppm	-0.0001 ppm	-0.0002 ppm	0.0126 ppm	-0.0002 ppm	0.0003 ppm	-0.0021 ppm
Recovery Percentage	-0.892 %	-1.492 %	0.253 %	0.630 %	-2.464 %	2.953 %	0.120 %
Concentration RSD	114.6 %	7.8 %	353.3 %	14.5 %	78.2 %	230.7 %	3.125 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	0.0000 ppm	0.0006 ppm	0.0000 ppm	-0.0009 ppm	0.0375 ppm	0.0000 ppm
Concentration per Run	0.0029 ppm	-0.0003 ppm	0.0007 ppm	0.0000 ppm	-0.0009 ppm	0.0404 ppm	-0.0001 ppm
Concentration per Run	-0.0010 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0009 ppm	0.0370 ppm	0.0001 ppm
Concentration per Run	0.0010 ppm	0.0000 ppm	0.0011 ppm	0.0000 ppm	-0.0009 ppm	0.0352 ppm	0.0001 ppm
Recovery Percentage	9.565 %	-0.003 %	1.209 %	-0.165 %	-9.297 %	187.488 %	0.300 %
Concentration RSD	204.9 %	1.918 %	95.0 %	142.5 %	2.4 %	7.0 %	424.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	110.4545 %	104.4361 %	107.6960 %	103.2761 %	100.4481 %	100.6238 %
Concentration per Run	0.0001 ppm	111.0540 %	104.6414 %	108.0022 %	103.8980 %	100.4966 %	100.8780 %
Concentration per Run	0.0003 ppm	110.0091 %	103.6017 %	108.0291 %	102.9624 %	99.6317 %	100.8440 %
Concentration per Run	0.0004 ppm	110.3005 %	105.0652 %	107.0567 %	102.9680 %	101.2159 %	100.1494 %
Recovery Percentage	4.846 %						
Concentration RSD	51.4 %	0.5 %	0.7 %	0.5 %	0.5 %	0.8 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



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Sample: 9/11/2025 5:29:11 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4852 ppm	0.4745 ppm	0.4804 ppm	0.4580 ppm	0.4720 ppm	0.4857 ppm	0.4721 ppm
Concentration per Run	0.4848 ppm	0.4722 ppm	0.4809 ppm	0.4589 ppm	0.4728 ppm	0.4876 ppm	0.4672 ppm
Concentration per Run	0.4838 ppm	0.4801 ppm	0.4833 ppm	0.4554 ppm	0.4724 ppm	0.4835 ppm	0.4771 ppm
Concentration per Run	0.4871 ppm	0.4711 ppm	0.4771 ppm	0.4597 ppm	0.4708 ppm	0.4861 ppm	0.4731 ppm
Recovery Percentage	97.050 %	94.893 %	96.081 %	91.600 %	94.395 %	97.143 %	94.532 %
Concentration RSD	0.3 %	1.0 %	0.6 %	0.5 %	0.2 %	0.4 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4914 ppm	0.4868 ppm	0.4909 ppm	0.5035 ppm	0.4806 ppm	5.1990 ppm	0.4846 ppm
Concentration per Run	0.4913 ppm	0.4887 ppm	0.4927 ppm	0.5048 ppm	0.4832 ppm	5.1797 ppm	0.4948 ppm
Concentration per Run	0.4907 ppm	0.4869 ppm	0.4890 ppm	0.5020 ppm	0.4809 ppm	5.2239 ppm	0.4795 ppm
Concentration per Run	0.4922 ppm	0.4848 ppm	0.4910 ppm	0.5036 ppm	0.4778 ppm	5.1934 ppm	0.4795 ppm
Recovery Percentage	98.278 %	97.362 %	98.179 %	100.694 %	96.129 %	103.980 %	96.919 %
Concentration RSD	0.2 %	0.4 %	0.4 %	0.3 %	0.6 %	0.4 %	1.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5031 ppm	0.4819 ppm	0.4642 ppm	9.7310 ppm	0.4910 ppm	0.4893 ppm	0.4934 ppm
Concentration per Run	0.4994 ppm	0.4824 ppm	0.4650 ppm	9.7615 ppm	0.4944 ppm	0.4876 ppm	0.4915 ppm
Concentration per Run	0.5038 ppm	0.4827 ppm	0.4632 ppm	9.7158 ppm	0.4893 ppm	0.4901 ppm	0.4938 ppm
Concentration per Run	0.5061 ppm	0.4807 ppm	0.4643 ppm	9.7156 ppm	0.4893 ppm	0.4902 ppm	0.4950 ppm
Recovery Percentage	100.620 %	96.385 %	92.835 %	97.310 %	98.197 %	97.863 %	98.683 %
Concentration RSD	0.7 %	0.2 %	0.2 %	0.3 %	0.6 %	0.3 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4634 ppm	5.2197 ppm	0.4804 ppm	0.4821 ppm	0.4895 ppm	0.4584 ppm	0.4949 ppm
Concentration per Run	0.4606 ppm	5.2204 ppm	0.4843 ppm	0.4830 ppm	0.4873 ppm	0.4526 ppm	0.4953 ppm
Concentration per Run	0.4629 ppm	5.2069 ppm	0.4792 ppm	0.4815 ppm	0.4882 ppm	0.4593 ppm	0.4939 ppm
Concentration per Run	0.4667 ppm	5.2318 ppm	0.4778 ppm	0.4819 ppm	0.4928 ppm	0.4633 ppm	0.4955 ppm
Recovery Percentage	92.679 %	99.423 %	96.088 %	96.427 %	97.891 %	91.686 %	98.987 %
Concentration RSD	0.7 %	0.2 %	0.7 %	0.2 %	0.6 %	1.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4663 ppm	102.5339 %	101.2888 %	100.7778 %	98.4543 %	98.5012 %	97.0609 %
Concentration per Run	0.4690 ppm	101.8372 %	101.5177 %	100.8659 %	97.7243 %	99.5804 %	96.9781 %
Concentration per Run	0.4659 ppm	103.0102 %	100.5698 %	100.2676 %	98.5399 %	97.2012 %	96.7420 %
Concentration per Run	0.4640 ppm	102.7543 %	101.7787 %	101.1999 %	99.0987 %	98.7219 %	97.4626 %
Recovery Percentage	93.261 %						
Concentration RSD	0.5 %	0.6 %	0.6 %	0.5 %	0.7 %	1.2 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 5:51:17 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0031 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run	0.0000 ppm	-0.0071 ppm	0.0011 ppm	-0.0026 ppm	0.0000 ppm	0.0000 ppm	-0.0098 ppm
Concentration per Run	-0.0002 ppm	0.0170 ppm	-0.0009 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run	0.0001 ppm	-0.0007 ppm	0.0005 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0018 ppm
Recovery Percentage	-0.540 %	3.097 %	4.600 %	-0.830 %	-0.488 %	-0.029 %	-4.128 %
Concentration RSD	486.1 %	403.3 %	458.5 %	801.4 %	97.3 %	1.452.9 %	118.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0008 ppm	0.0008 ppm	0.0001 ppm	0.0006 ppm	0.1319 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0008 ppm	-0.0003 ppm	0.0012 ppm	0.1379 ppm	0.0001 ppm
Concentration per Run	0.0002 ppm	0.0006 ppm	0.0000 ppm	0.0005 ppm	0.0011 ppm	0.1247 ppm	0.0030 ppm
Concentration per Run	0.0000 ppm	0.0011 ppm	0.0002 ppm	0.0001 ppm	-0.0005 ppm	0.1331 ppm	0.0027 ppm
Recovery Percentage	1.971 %	4.154 %	1.971 %	0.780 %	1.190 %	5.277 %	38.857 %
Concentration RSD	54.0 %	33.1 %	33.1 %	515.3 %	164.6 %	5.1 %	83.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0067 ppm	-0.0005 ppm	0.0005 ppm	0.0005 ppm
Concentration per Run	0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0025 ppm	0.0005 ppm	0.0005 ppm	0.0031 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0001 ppm	-0.0107 ppm	-0.0007 ppm	0.0016 ppm	0.0016 ppm
Concentration per Run	-0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0069 ppm	0.0000 ppm	0.0008 ppm	-0.0031 ppm
Recovery Percentage	-0.096 %	-1.003 %	0.174 %	-0.335 %	-1.986 %	4.674 %	1.065 %
Concentration RSD	517.7 %	135.6 %	24.6 %	61.1 %	94.4 %	80.6 %	603.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	-0.0020 ppm	0.0010 ppm	0.0000 ppm	-0.0015 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0012 ppm	-0.0029 ppm	0.0029 ppm	0.0000 ppm	-0.0016 ppm	0.0016 ppm	-0.0003 ppm
Concentration per Run	0.0018 ppm	-0.0026 ppm	0.0001 ppm	0.0000 ppm	-0.0014 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run	0.0045 ppm	-0.0005 ppm	0.0001 ppm	-0.0001 ppm	-0.0015 ppm	0.0014 ppm	-0.0002 ppm
Recovery Percentage	24.852 %	-0.404 %	2.021 %	-0.354 %	-14.870 %	6.808 %	-2.008 %
Concentration RSD	70.5 %	65.2 %	158.8 %	244.6 %	9.2 %	16.7 %	77.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	97.9176 %	97.0006 %	97.0988 %	98.7231 %	98.1983 %	96.6895 %
Concentration per Run	0.0002 ppm	98.3633 %	96.9899 %	97.2610 %	99.1320 %	98.1688 %	96.7074 %
Concentration per Run	-0.0001 ppm	98.3846 %	96.8617 %	96.9554 %	99.1136 %	98.9558 %	96.6188 %
Concentration per Run	-0.0001 ppm	97.0050 %	97.1502 %	97.0800 %	97.9236 %	97.4702 %	96.7424 %
Recovery Percentage	-0.032 %	0.8 %	0.1 %	0.2 %	0.7 %	0.8 %	0.1 %
Concentration RSD	10.045.3 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-2d2 WG2110788

Analysis started at: 9/11/2025 5:55:20 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 44

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0494 ppm	1.9571 ppm	0.1191 ppm	0.9495 ppm	1.9207 ppm	0.0495 ppm	9.9470 ppm
Concentration per Run	0.0495 ppm	1.9597 ppm	0.1187 ppm	0.9503 ppm	1.9209 ppm	0.0495 ppm	9.9288 ppm
Concentration per Run	0.0496 ppm	1.9520 ppm	0.1186 ppm	0.9481 ppm	1.9171 ppm	0.0494 ppm	9.9761 ppm
Concentration per Run	0.0491 ppm	1.9597 ppm	0.1201 ppm	0.9501 ppm	1.9240 ppm	0.0495 ppm	9.9360 ppm
Concentration RSD	0.5 %	0.2 %	0.7 %	0.1 %	0.2 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0520 ppm	0.4701 ppm	0.1916 ppm	0.2477 ppm	0.9849 ppm	10.4809 ppm	0.0003 ppm
Concentration per Run	0.0519 ppm	0.4715 ppm	0.1914 ppm	0.2475 ppm	0.9850 ppm	10.4848 ppm	0.0010 ppm
Concentration per Run	0.0521 ppm	0.4698 ppm	0.1916 ppm	0.2484 ppm	0.9849 ppm	10.4739 ppm	-0.0008 ppm
Concentration per Run	0.0519 ppm	0.4691 ppm	0.1919 ppm	0.2473 ppm	0.9847 ppm	10.4838 ppm	0.0005 ppm
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	0.0 %	0.1 %	294.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.0327 ppm	0.4814 ppm	0.9548 ppm	10.3014 ppm	0.4794 ppm	0.5339 ppm	0.4993 ppm
Concentration per Run	9.8949 ppm	0.4813 ppm	0.9547 ppm	10.2953 ppm	0.4816 ppm	0.5343 ppm	0.4951 ppm
Concentration per Run	10.2077 ppm	0.4817 ppm	0.9563 ppm	10.2545 ppm	0.4790 ppm	0.5309 ppm	0.5077 ppm
Concentration per Run	9.9956 ppm	0.4812 ppm	0.9535 ppm	10.3544 ppm	0.4776 ppm	0.5367 ppm	0.4951 ppm
Concentration RSD	1.6 %	0.1 %	0.1 %	0.5 %	0.4 %	0.5 %	1.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1175 ppm	0.9290 ppm	0.9512 ppm	0.9715 ppm	0.9804 ppm	0.1144 ppm	0.5012 ppm
Concentration per Run	0.1162 ppm	0.9300 ppm	0.9543 ppm	0.9723 ppm	0.9650 ppm	0.1130 ppm	0.5008 ppm
Concentration per Run	0.1182 ppm	0.9338 ppm	0.9539 ppm	0.9686 ppm	0.9971 ppm	0.1148 ppm	0.5019 ppm
Concentration per Run	0.1181 ppm	0.9233 ppm	0.9453 ppm	0.9734 ppm	0.9790 ppm	0.1154 ppm	0.5009 ppm
Concentration RSD	1.0 %	0.6 %	0.5 %	0.3 %	1.6 %	1.1 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4643 ppm	99.9677 %	98.5609 %	97.0005 %	97.8545 %	98.0328 %	96.1678 %
Concentration per Run	0.4653 ppm	99.8139 %	98.8386 %	97.4832 %	97.1812 %	98.7906 %	96.9341 %
Concentration per Run	0.4646 ppm	99.7273 %	96.8135 %	96.8135 %	97.9711 %	97.3336 %	95.5862 %
Concentration per Run	0.4630 ppm	100.3617 %	98.3296 %	96.7047 %	98.4112 %	97.9741 %	95.9830 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.4 %	0.6 %	0.7 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555135-01 WG2112183

Analysis started at: 9/11/2025 5:58:09 PM

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Rack Number 2

Vial Numbers 40

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0155 ppm	0.0017 ppm	-0.0003 ppm	0.0185 ppm	0.0028 ppm	0.0001 ppm	0.1461 ppm
Concentration per Run	0.0155 ppm	0.0025 ppm	-0.0024 ppm	0.0192 ppm	0.0024 ppm	0.0000 ppm	0.1460 ppm
Concentration per Run	0.0155 ppm	0.0000 ppm	0.0007 ppm	0.0182 ppm	0.0027 ppm	0.0001 ppm	0.1476 ppm
Concentration per Run	0.0156 ppm	0.0027 ppm	0.0007 ppm	0.0183 ppm	0.0029 ppm	0.0001 ppm	0.1446 ppm
Concentration RSD	0.1 %	85.7 %	556.9 %	3.0 %	2.8 %	40.2 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0008 ppm	0.0061 ppm	0.3280 ppm	0.0015 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0002 ppm	0.0007 ppm	0.0070 ppm	0.3346 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0005 ppm	0.0006 ppm	0.0051 ppm	0.3231 ppm	0.0024 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0010 ppm	0.0061 ppm	0.3263 ppm	0.0003 ppm
Concentration RSD	107.5 %	63.2 %	440.8 %	20.5 %	15.5 %	1.8 %	71.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0404 ppm	0.0125 ppm	0.0000 ppm	122.1205 ppm	0.0035 ppm	0.0003 ppm	0.0013 ppm
Concentration per Run	0.0392 ppm	0.0124 ppm	-0.0003 ppm	121.6366 ppm	0.0037 ppm	-0.0001 ppm	0.0013 ppm
Concentration per Run	0.0404 ppm	0.0126 ppm	0.0001 ppm	122.1365 ppm	0.0034 ppm	0.0005 ppm	-0.0015 ppm
Concentration per Run	0.0414 ppm	0.0126 ppm	0.0002 ppm	122.5886 ppm	0.0035 ppm	0.0007 ppm	0.0042 ppm
Concentration RSD	2.7 %	0.9 %	1.841.8 %	0.4 %	4.3 %	124.8 %	215.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0038 ppm	0.0632 ppm	0.0298 ppm	0.0017 ppm	-0.0013 ppm	0.0022 ppm	0.0000 ppm
Concentration per Run	0.0052 ppm	0.0628 ppm	0.0305 ppm	0.0018 ppm	-0.0011 ppm	0.0039 ppm	0.0000 ppm
Concentration per Run	0.0014 ppm	0.0637 ppm	0.0290 ppm	0.0018 ppm	-0.0015 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	0.0048 ppm	0.0630 ppm	0.0298 ppm	0.0017 ppm	-0.0014 ppm	0.0005 ppm	0.0000 ppm
Concentration RSD	55.9 %	0.7 %	2.6 %	3.5 %	12.7 %	77.5 %	474.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0017 ppm	98.2684 %	98.2296 %	94.4405 %	96.3581 %	96.8999 %	94.3271 %
Concentration per Run	0.0018 ppm	98.3275 %	98.4907 %	93.5838 %	96.3810 %	97.1076 %	93.7805 %
Concentration per Run	0.0015 ppm	97.8270 %	98.5230 %	94.5596 %	96.6888 %	95.9650 %	94.5255 %
Concentration per Run	0.0016 ppm	97.9545 %	98.3710 %	95.1781 %	96.0246 %	97.6271 %	94.6753 %
Concentration RSD	8.3 %	0.3 %	0.4 %	0.9 %	0.3 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555148-01 WG2112183

Analysis started at: 9/11/2025 6:00:15 PM

Comment <Comment>

Rack Number 2

Vial Numbers 41

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.1244 ppm	0.0060 ppm	0.0299 ppm	0.0210 ppm	0.0000 ppm	7.4320 ppm
Concentration per Run	-0.0001 ppm	0.1254 ppm	0.0060 ppm	0.0315 ppm	0.0210 ppm	0.0000 ppm	7.4112 ppm
Concentration per Run	-0.0015 ppm	0.1240 ppm	0.0069 ppm	0.0297 ppm	0.0210 ppm	0.0000 ppm	7.4442 ppm
Concentration per Run	-0.0007 ppm	0.1238 ppm	0.0052 ppm	0.0285 ppm	0.0211 ppm	0.0000 ppm	7.4406 ppm
Concentration RSD	85.9 %	0.7 %	14.7 %	5.0 %	0.4 %	95.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0020 ppm	0.0019 ppm	0.0248 ppm	0.0709 ppm	1.0484 ppm	0.0013 ppm
Concentration per Run	0.0002 ppm	0.0019 ppm	0.0019 ppm	0.0245 ppm	0.0707 ppm	1.0488 ppm	0.0006 ppm
Concentration per Run	0.0002 ppm	0.0020 ppm	0.0020 ppm	0.0249 ppm	0.0711 ppm	1.0497 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	0.0022 ppm	0.0022 ppm	0.0249 ppm	0.0709 ppm	1.0468 ppm	0.0018 ppm
Concentration RSD	64.6 %	7.2 %	7.2 %	0.8 %	0.3 %	0.1 %	46.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.8547 ppm	0.0286 ppm	0.0012 ppm	335.4929 ppm	0.0077 ppm	0.0020 ppm	0.0018 ppm
Concentration per Run	2.8809 ppm	0.0288 ppm	0.0016 ppm	334.4826 ppm	0.0081 ppm	0.0015 ppm	0.0035 ppm
Concentration per Run	2.8492 ppm	0.0289 ppm	0.0010 ppm	336.4705 ppm	0.0078 ppm	0.0021 ppm	0.0031 ppm
Concentration per Run	2.8340 ppm	0.0282 ppm	0.0009 ppm	335.5257 ppm	0.0074 ppm	0.0023 ppm	-0.0013 ppm
Concentration RSD	0.8 %	1.2 %	33.3 %	0.3 %	4.5 %	21.4 %	149.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0062 ppm	3.5430 ppm	0.0007 ppm	0.1327 ppm	0.0047 ppm	0.0021 ppm	0.0009 ppm
Concentration per Run	0.0055 ppm	3.5539 ppm	0.0013 ppm	0.1325 ppm	0.0046 ppm	0.0008 ppm	0.0006 ppm
Concentration per Run	0.0058 ppm	3.5506 ppm	0.0008 ppm	0.1333 ppm	0.0031 ppm	0.0049 ppm	0.0011 ppm
Concentration per Run	0.0074 ppm	3.5245 ppm	-0.0001 ppm	0.1323 ppm	0.0046 ppm	0.0026 ppm	0.0009 ppm
Concentration RSD	16.2 %	0.5 %	101.7 %	0.4 %	3.8 %	55.2 %	26.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2208 ppm	96.7837 %	98.4026 %	91.8455 %	95.2530 %	98.1038 %	94.5976 %
Concentration per Run	0.2215 ppm	95.7515 %	98.5199 %	91.7127 %	94.3121 %	98.5565 %	94.6051 %
Concentration per Run	0.2210 ppm	96.8532 %	97.7358 %	91.9007 %	95.4722 %	98.2315 %	94.3540 %
Concentration per Run	0.2192 ppm	97.7463 %	97.9520 %	91.9232 %	95.9746 %	97.5233 %	94.8336 %
Concentration RSD	0.5 %	1.0 %	0.4 %	0.1 %	0.9 %	0.5 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555433-01 WG2112183

Analysis started at: 9/11/2025 6:02:21 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 42

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	0.0087 ppm	0.0039 ppm	0.6758 ppm	0.0453 ppm	0.0000 ppm	58.6093 ppm
Concentration per Run	-0.0007 ppm	-0.0034 ppm	0.0044 ppm	0.6723 ppm	0.0455 ppm	0.0000 ppm	58.6666 ppm
Concentration per Run	-0.0012 ppm	0.0145 ppm	0.0044 ppm	0.6791 ppm	0.0452 ppm	0.0000 ppm	58.6465 ppm
Concentration per Run	-0.0007 ppm	0.0151 ppm	0.0029 ppm	0.6760 ppm	0.0452 ppm	0.0000 ppm	58.5149 ppm
Concentration RSD	33.5 %	120.7 %	22.0 %	0.5 %	0.4 %	2.427 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	0.0013 ppm	0.0005 ppm	0.0138 ppm	0.6269 ppm	9.6269 ppm	0.0004 ppm
Concentration per Run	-0.0006 ppm	0.0008 ppm	0.0005 ppm	0.0139 ppm	0.6284 ppm	9.6511 ppm	0.0004 ppm
Concentration per Run	-0.0006 ppm	0.0015 ppm	0.0008 ppm	0.0136 ppm	0.6281 ppm	9.6322 ppm	0.0003 ppm
Concentration per Run	-0.0006 ppm	0.0014 ppm	0.0003 ppm	0.0140 ppm	0.6241 ppm	9.5973 ppm	0.0003 ppm
Concentration RSD	4.9 %	29.3 %	45.1 %	1.2 %	0.4 %	0.3 %	19.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.7795 ppm	0.0632 ppm	0.0047 ppm	259.5528 ppm	0.0049 ppm	0.0012 ppm	0.0037 ppm
Concentration per Run	6.7840 ppm	0.0637 ppm	0.0042 ppm	259.6934 ppm	0.0049 ppm	0.0018 ppm	0.0020 ppm
Concentration per Run	6.7980 ppm	0.0628 ppm	0.0047 ppm	259.0190 ppm	0.0048 ppm	0.0023 ppm	0.0055 ppm
Concentration per Run	6.7564 ppm	0.0632 ppm	0.0053 ppm	259.9459 ppm	0.0049 ppm	-0.0004 ppm	0.0035 ppm
Concentration RSD	0.3 %	0.7 %	11.4 %	0.2 %	1.0 %	120.7 %	48.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	3.9877 ppm	0.0019 ppm	0.3051 ppm	-0.0013 ppm	0.0027 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	3.9730 ppm	0.0023 ppm	0.3056 ppm	-0.0013 ppm	0.0035 ppm	0.0007 ppm
Concentration per Run	0.0045 ppm	4.0041 ppm	0.0014 ppm	0.3037 ppm	-0.0011 ppm	0.0026 ppm	0.0011 ppm
Concentration per Run	-0.0017 ppm	3.9859 ppm	0.0021 ppm	0.3060 ppm	-0.0015 ppm	0.0020 ppm	0.0011 ppm
Concentration RSD	326.0 %	0.4 %	22.8 %	0.4 %	17.2 %	28.0 %	20.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.3015 ppm	95.1251 %	96.3051 %	89.5639 %	92.6114 %	96.5279 %	91.8172 %
Concentration per Run	2.3051 ppm	95.4787 %	96.4576 %	90.0265 %	93.3131 %	96.9157 %	92.2310 %
Concentration per Run	2.3042 ppm	95.0474 %	95.8814 %	89.2969 %	92.8428 %	95.4907 %	91.6107 %
Concentration per Run	2.2953 ppm	94.8493 %	96.5762 %	89.3684 %	91.6783 %	97.1771 %	91.6098 %
Concentration RSD	0.2 %	0.3 %	0.4 %	0.4 %	0.9 %	0.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555433-02 WG2112183

Analysis started at: 9/11/2025 6:04:27 PM

Comment <Comment>

Rack Number 2

Vial Numbers 43

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.0397 ppm	0.0021 ppm	0.0840 ppm	0.0215 ppm	0.0000 ppm	144.3927 ppm
Concentration per Run	-0.0012 ppm	0.0425 ppm	0.0017 ppm	0.0844 ppm	0.0216 ppm	0.0001 ppm	144.1972 ppm
Concentration per Run	-0.0002 ppm	0.0340 ppm	0.0022 ppm	0.0832 ppm	0.0215 ppm	0.0001 ppm	144.8871 ppm
Concentration per Run	-0.0009 ppm	0.0426 ppm	0.0024 ppm	0.0845 ppm	0.0215 ppm	0.0000 ppm	144.0937 ppm
Concentration RSD	67.7 %	12.5 %	17.8 %	0.8 %	0.4 %	173.9 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0015 ppm	0.0030 ppm	0.0010 ppm	0.0010 ppm	0.1696 ppm	10.8724 ppm	-0.0019 ppm
Concentration per Run	-0.0015 ppm	0.0028 ppm	0.0010 ppm	0.0010 ppm	0.1692 ppm	10.8636 ppm	-0.0010 ppm
Concentration per Run	-0.0015 ppm	0.0030 ppm	0.0010 ppm	0.0008 ppm	0.1706 ppm	10.8914 ppm	-0.0009 ppm
Concentration per Run	-0.0015 ppm	0.0032 ppm	0.0010 ppm	0.0012 ppm	0.1689 ppm	10.8623 ppm	-0.0036 ppm
Concentration RSD	0.2 %	6.9 %	1.7 %	21.4 %	0.5 %	0.2 %	83.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.4328 ppm	0.0434 ppm	0.0013 ppm	431.5425 ppm	0.0536 ppm	-0.0004 ppm	0.0017 ppm
Concentration per Run	17.5647 ppm	0.0435 ppm	0.0013 ppm	431.4513 ppm	0.0536 ppm	0.0007 ppm	0.0049 ppm
Concentration per Run	17.3351 ppm	0.0434 ppm	0.0012 ppm	430.5490 ppm	0.0536 ppm	-0.0013 ppm	-0.0013 ppm
Concentration per Run	17.3985 ppm	0.0433 ppm	0.0012 ppm	432.6272 ppm	0.0536 ppm	-0.0006 ppm	0.0014 ppm
Concentration RSD	0.7 %	0.2 %	5.0 %	0.2 %	0.1 %	237.2 %	187.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	7.3373 ppm	0.0008 ppm	0.2635 ppm	-0.0013 ppm	0.0024 ppm	0.0033 ppm
Concentration per Run	-0.0025 ppm	7.3513 ppm	-0.0008 ppm	0.2621 ppm	-0.0013 ppm	0.0031 ppm	0.0033 ppm
Concentration per Run	0.0030 ppm	7.3309 ppm	0.0014 ppm	0.2642 ppm	-0.0014 ppm	0.0020 ppm	0.0033 ppm
Concentration per Run	0.0033 ppm	7.3299 ppm	0.0018 ppm	0.2643 ppm	-0.0010 ppm	0.0020 ppm	0.0032 ppm
Concentration RSD	260.4 %	0.2 %	176.6 %	0.5 %	15.3 %	26.7 %	1.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2062 ppm	91.8456 %	91.8456 %	96.4437 %	85.8746 %	89.8750 %	89.0580 %
Concentration per Run	0.2064 ppm	91.8387 %	91.8387 %	96.5009 %	85.6777 %	89.8017 %	89.1111 %
Concentration per Run	0.2062 ppm	92.0726 %	92.0726 %	96.1077 %	86.2737 %	90.2554 %	89.4203 %
Concentration per Run	0.2059 ppm	91.6255 %	91.6255 %	96.7226 %	85.6723 %	89.5679 %	88.6425 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.3 %	0.4 %	0.4 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: XL2554192-06d2 WG2111349

Analysis started at: 9/11/2025 6:12:32 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 45

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0027 ppm	424.3688 ppm	0.0282 ppm	0.4871 ppm	3.3064 ppm	0.0503 ppm	1,758.3547 [SIC 1000]
Concentration per Run	0.0030 ppm	424.3587 ppm	0.0307 ppm	0.4903 ppm	3.3049 ppm	0.0504 ppm	1,764.0919 ppm
Concentration per Run	0.0023 ppm	424.6037 ppm	0.0281 ppm	0.4834 ppm	3.3002 ppm	0.0502 ppm	1,754.3187 ppm
Concentration per Run	0.0028 ppm	424.1441 ppm	0.0259 ppm	0.4877 ppm	3.3141 ppm	0.0504 ppm	1,756.6536 ppm
Concentration RSD	13.3 %	0.1 %	8.5 %	0.7 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0103 ppm	0.0139 ppm	0.5106 ppm	0.2596 ppm	226.4110 ppm	22.5414 ppm	0.2365 ppm
Concentration per Run	-0.0106 ppm	0.0143 ppm	0.5111 ppm	0.2592 ppm	225.4989 ppm	22.5332 ppm	0.2144 ppm
Concentration per Run	-0.0103 ppm	0.0134 ppm	0.5092 ppm	0.2600 ppm	227.3700 ppm	22.4997 ppm	0.2512 ppm
Concentration per Run	-0.0100 ppm	0.0140 ppm	0.5115 ppm	0.2597 ppm	226.3641 ppm	22.5912 ppm	0.2440 ppm
Concentration RSD	3.2 %	3.3 %	0.2 %	0.1 %	0.4 %	0.2 %	8.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	182.5799 ppm	42.8678 [SIC 80]	0.0230 ppm	10.6922 ppm	0.1289 ppm	1.0288 ppm	-0.0047 ppm
Concentration per Run	182.1173 ppm	42.8615 ppm	0.0231 ppm	10.6692 ppm	0.1279 ppm	1.0333 ppm	-0.0085 ppm
Concentration per Run	182.7494 ppm	42.8977 ppm	0.0229 ppm	10.7359 ppm	0.1288 ppm	1.0234 ppm	-0.0060 ppm
Concentration per Run	182.8731 ppm	42.8443 ppm	0.0231 ppm	10.6716 ppm	0.1299 ppm	1.0298 ppm	0.0004 ppm
Concentration RSD	0.2 %	0.1 %	0.6 %	0.4 %	0.8 %	0.5 %	97.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0145 ppm	12.0643 ppm	0.0317 ppm	4.4419 ppm	6.2069 ppm	-0.0063 ppm	0.1072 ppm
Concentration per Run	0.0175 ppm	12.0982 ppm	0.0320 ppm	4.4402 ppm	6.2004 ppm	-0.0060 ppm	0.1066 ppm
Concentration per Run	0.0175 ppm	12.0219 ppm	0.0330 ppm	4.4339 ppm	6.2102 ppm	-0.0057 ppm	0.1073 ppm
Concentration per Run	0.0084 ppm	12.0727 ppm	0.0302 ppm	4.4516 ppm	6.2101 ppm	-0.0071 ppm	0.1078 ppm
Concentration RSD	36.5 %	0.3 %	4.4 %	0.2 %	0.1 %	11.6 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	41.3284 [SIC 60]	97.0744 %	106.9861 %	84.1288 %	148.2580 %	171.2308 %	148.1784 %
Concentration per Run	41.4570 ppm	96.7098 %	107.2831 %	83.7698 %	147.4923 %	171.0470 %	147.6008 %
Concentration per Run	41.2174 ppm	97.3137 %	107.3867 %	84.1201 %	148.6263 %	171.7501 %	148.3540 %
Concentration per Run	41.3108 ppm	97.1996 %	106.2884 %	84.4965 %	148.6555 %	170.8954 %	148.5803 %
Concentration RSD	0.3 %	0.3 %	0.6 %	0.4 %	0.4 %	0.3 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 6:15:00 PM

Analysis started at:

Comment: <Comment>

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5055 ppm	0.4937 ppm	0.4895 ppm	0.4758 ppm	0.4893 ppm	0.5053 ppm	0.5062 ppm
Concentration per Run	0.5039 ppm	0.4818 ppm	0.4925 ppm	0.4732 ppm	0.4908 ppm	0.5071 ppm	0.5073 ppm
Concentration per Run	0.5058 ppm	0.4951 ppm	0.4916 ppm	0.4760 ppm	0.4859 ppm	0.5005 ppm	0.5033 ppm
Concentration per Run	0.5067 ppm	0.5042 ppm	0.4843 ppm	0.4783 ppm	0.4913 ppm	0.5083 ppm	0.5080 ppm
Recovery Percentage	101.094 %	98.740 %	97.898 %	95.166 %	97.864 %	101.061 %	101.242 %
Concentration RSD	0.3 %	2.3 %	0.9 %	0.5 %	0.6 %	0.8 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5127 ppm	0.5083 ppm	0.5112 ppm	0.5242 ppm	0.4988 ppm	5.2009 ppm	0.5083 ppm
Concentration per Run	0.5103 ppm	0.5080 ppm	0.5088 ppm	0.5232 ppm	0.4999 ppm	5.2273 ppm	0.5175 ppm
Concentration per Run	0.5140 ppm	0.5078 ppm	0.5132 ppm	0.5246 ppm	0.4981 ppm	5.1617 ppm	0.5004 ppm
Concentration per Run	0.5138 ppm	0.5091 ppm	0.5115 ppm	0.5248 ppm	0.4985 ppm	5.2138 ppm	0.5069 ppm
Recovery Percentage	102.547 %	101.660 %	102.233 %	104.834 %	99.766 %	104.019 %	101.652 %
Concentration RSD	0.4 %	0.1 %	0.4 %	0.2 %	0.2 %	0.7 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5307 ppm	0.5013 ppm	0.4844 ppm	10.1055 ppm	0.5111 ppm	0.5131 ppm	0.5135 ppm
Concentration per Run	0.5315 ppm	0.5018 ppm	0.4816 ppm	10.0413 ppm	0.5076 ppm	0.5131 ppm	0.5123 ppm
Concentration per Run	0.5290 ppm	0.5090 ppm	0.4850 ppm	10.1065 ppm	0.5130 ppm	0.5144 ppm	0.5159 ppm
Concentration per Run	0.5315 ppm	0.5014 ppm	0.4865 ppm	10.1686 ppm	0.5128 ppm	0.5120 ppm	0.5122 ppm
Recovery Percentage	106.134 %	100.267 %	96.876 %	101.055 %	102.226 %	102.630 %	102.694 %
Concentration RSD	0.3 %	0.1 %	0.5 %	0.6 %	0.6 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4833 ppm	5.4486 ppm	0.4954 ppm	0.5002 ppm	0.5113 ppm	0.4953 ppm	0.5172 ppm
Concentration per Run	0.4837 ppm	5.4249 ppm	0.4941 ppm	0.5023 ppm	0.5084 ppm	0.4981 ppm	0.5160 ppm
Concentration per Run	0.4888 ppm	5.4579 ppm	0.4965 ppm	0.4946 ppm	0.5115 ppm	0.4948 ppm	0.5179 ppm
Concentration per Run	0.4775 ppm	5.4628 ppm	0.4957 ppm	0.5037 ppm	0.5141 ppm	0.4929 ppm	0.5178 ppm
Recovery Percentage	96.669 %	103.782 %	99.085 %	100.039 %	102.263 %	99.051 %	103.449 %
Concentration RSD	1.2 %	0.4 %	0.3 %	1.0 %	0.6 %	0.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4863 ppm	98.9200 %	96.9818 %	96.7053 %	97.1267 %	96.4741 %	95.4030 %
Concentration per Run	0.4847 ppm	99.8814 %	97.7851 %	96.2775 %	97.9668 %	96.6869 %	94.9403 %
Concentration per Run	0.4872 ppm	98.1524 %	97.0163 %	96.4579 %	96.5138 %	97.3611 %	95.2600 %
Concentration per Run	0.4872 ppm	98.7263 %	96.1438 %	97.3806 %	96.8995 %	95.3745 %	96.0087 %
Recovery Percentage	97.266 %						
Concentration RSD	0.3 %	0.9 %	0.8 %	0.6 %	0.8 %	1.0 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 6:17:05 PM

Analysis started at: 9/11/2025 6:17:05 PM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.0035 ppm	0.0012 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0071 ppm
Concentration per Run	-0.0007 ppm	0.0064 ppm	0.0011 ppm	0.0006 ppm	-0.0002 ppm	0.0001 ppm	0.0064 ppm
Concentration per Run	-0.0007 ppm	0.0043 ppm	0.0000 ppm	0.0028 ppm	0.0000 ppm	0.0000 ppm	0.0093 ppm
Concentration per Run	-0.0005 ppm	-0.0002 ppm	0.0025 ppm	0.0005 ppm	-0.0002 ppm	0.0000 ppm	0.0058 ppm
Recovery Percentage	-8.784 %	3.497 %	24.190 %	4.380 %	-1.295 %	0.799 %	7.149 %
Concentration RSD	16.4 %	95.9 %	104.1 %	98.9 %	113.1 %	159.6 %	26.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0007 ppm	0.0007 ppm	0.0001 ppm	0.0010 ppm	0.0735 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0002 ppm	0.0017 ppm	0.0583 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0863 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0002 ppm	0.0002 ppm	0.0013 ppm	0.0759 ppm	-0.0007 ppm
Recovery Percentage	0.602 %	3.317 %	0.144 %	1.165 %	2.024 %	2.939 %	14.862 %
Concentration RSD	182.2 %	53.8 %	2,017.6 %	87.4 %	91.0 %	19.3 %	199.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0032 ppm	-0.0001 ppm	-0.0001 ppm	0.0094 ppm	-0.0005 ppm	0.0006 ppm	0.0025 ppm
Concentration per Run	-0.0048 ppm	-0.0001 ppm	-0.0001 ppm	0.0079 ppm	-0.0014 ppm	0.0011 ppm	0.0073 ppm
Concentration per Run	-0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0121 ppm	-0.0004 ppm	0.0009 ppm	-0.0034 ppm
Concentration per Run	-0.0045 ppm	-0.0001 ppm	-0.0001 ppm	0.0083 ppm	0.0002 ppm	-0.0001 ppm	0.0036 ppm
Recovery Percentage	-3.152 %	-0.651 %	-0.254 %	0.471 %	-2.148 %	6.239 %	5.015 %
Concentration RSD	80.8 %	65.8 %	50.5 %	24.5 %	144.4 %	105.3 %	215.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	-0.0035 ppm	0.0011 ppm	0.0000 ppm	-0.0015 ppm	0.0033 ppm	0.0001 ppm
Concentration per Run	0.0026 ppm	-0.0044 ppm	0.0011 ppm	0.0001 ppm	-0.0015 ppm	0.0052 ppm	-0.0002 ppm
Concentration per Run	-0.0011 ppm	-0.0049 ppm	0.0000 ppm	-0.0001 ppm	-0.0017 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run	-0.0024 ppm	-0.0013 ppm	0.0021 ppm	0.0001 ppm	-0.0013 ppm	0.0033 ppm	0.0002 ppm
Recovery Percentage	-2.771 %	-0.703 %	2.126 %	-0.050 %	-14.963 %	16.537 %	1.027 %
Concentration RSD	926.2 %	54.7 %	95.8 %	2426.6 %	13.7 %	56.9 %	246.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	98.5123 %	97.0001 %	97.4971 %	99.2882 %	98.9262 %	97.1461 %
Concentration per Run	0.0006 ppm	98.7236 %	96.3758 %	96.9397 %	99.7233 %	98.8692 %	96.6374 %
Concentration per Run	0.0005 ppm	98.9941 %	97.9513 %	97.9513 %	99.0395 %	98.9667 %	97.6222 %
Concentration per Run	0.0006 ppm	97.8191 %	97.1055 %	97.6002 %	99.1017 %	98.9429 %	97.1786 %
Recovery Percentage	11.870 %	0.6 %	0.6 %	0.5 %	0.4 %	0.1 %	0.5 %
Concentration RSD	11.1 %	0.6 %	0.6 %	0.5 %	0.4 %	0.1 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112034-2 WG2112034

Analysis started at: 9/11/2025 6:38:11 PM

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Rack Number 2

Vial Numbers 46

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0549 ppm	2.0823 ppm	0.1232 ppm	0.9597 ppm	1.9914 ppm	0.0516 ppm	10.1683 ppm
Concentration per Run	0.0542 ppm	2.0813 ppm	0.1223 ppm	0.9561 ppm	1.9850 ppm	0.0515 ppm	10.1465 ppm
Concentration per Run	0.0556 ppm	2.0936 ppm	0.1225 ppm	0.9691 ppm	1.9950 ppm	0.0515 ppm	10.1763 ppm
Concentration per Run	0.0548 ppm	2.0721 ppm	0.1247 ppm	0.9538 ppm	1.9941 ppm	0.0517 ppm	10.1822 ppm
Concentration RSD	1.3 %	0.5 %	1.1 %	0.9 %	0.3 %	0.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0543 ppm	0.4973 ppm	0.2038 ppm	0.2602 ppm	1.0206 ppm	10.4193 ppm	0.0000 ppm
Concentration per Run	0.0543 ppm	0.4947 ppm	0.2028 ppm	0.2592 ppm	1.0155 ppm	10.3738 ppm	-0.0002 ppm
Concentration per Run	0.0551 ppm	0.5000 ppm	0.2056 ppm	0.2603 ppm	1.0245 ppm	10.4513 ppm	-0.0003 ppm
Concentration per Run	0.0536 ppm	0.4974 ppm	0.2030 ppm	0.2612 ppm	1.0217 ppm	10.4329 ppm	0.0004 ppm
Concentration RSD	1.3 %	0.5 %	0.8 %	0.4 %	0.4 %	0.4 %	3.140.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.5978 ppm	0.5031 ppm	0.9771 ppm	10.3783 ppm	0.5086 ppm	0.5428 ppm	0.5165 ppm
Concentration per Run	10.5998 ppm	0.5034 ppm	0.9712 ppm	10.3959 ppm	0.5074 ppm	0.5436 ppm	0.5126 ppm
Concentration per Run	10.7449 ppm	0.5031 ppm	0.9865 ppm	10.4522 ppm	0.5107 ppm	0.5440 ppm	0.5177 ppm
Concentration per Run	10.4486 ppm	0.5027 ppm	0.9736 ppm	10.2866 ppm	0.5077 ppm	0.5409 ppm	0.5191 ppm
Concentration RSD	1.4 %	0.1 %	0.8 %	0.8 %	0.4 %	0.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1191 ppm	1.0869 ppm	0.9767 ppm	0.9905 ppm	1.0236 ppm	0.1195 ppm	0.5278 ppm
Concentration per Run	0.1200 ppm	1.0797 ppm	0.9703 ppm	0.9866 ppm	1.0176 ppm	0.1189 ppm	0.5251 ppm
Concentration per Run	0.1202 ppm	1.0953 ppm	0.9795 ppm	0.9945 ppm	1.0386 ppm	0.1198 ppm	0.5305 ppm
Concentration per Run	0.1173 ppm	1.0858 ppm	0.9803 ppm	0.9904 ppm	1.0147 ppm	0.1199 ppm	0.5278 ppm
Concentration RSD	1.4 %	0.7 %	0.6 %	0.4 %	1.3 %	0.5 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4882 ppm	101.0232 %	99.6255 %	98.1200 %	99.7518 %	100.0663 %	97.3359 %
Concentration per Run	0.4875 ppm	101.1854 %	99.8476 %	98.1791 %	99.5605 %	100.9929 %	97.3297 %
Concentration per Run	0.4935 ppm	100.0466 %	99.7842 %	98.1399 %	98.7311 %	100.1813 %	97.7404 %
Concentration per Run	0.4835 ppm	101.8376 %	99.2445 %	98.0410 %	100.9637 %	99.0246 %	96.9378 %
Concentration RSD	1.0 %	0.9 %	0.3 %	0.1 %	1.1 %	1.0 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 6:40:27 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5019 ppm	0.4834 ppm	0.4858 ppm	0.4712 ppm	0.4914 ppm	0.5068 ppm	0.4952 ppm
Concentration per Run	0.4997 ppm	0.4777 ppm	0.4872 ppm	0.4699 ppm	0.4897 ppm	0.5093 ppm	0.4953 ppm
Concentration per Run	0.5022 ppm	0.4846 ppm	0.4856 ppm	0.4699 ppm	0.4924 ppm	0.5027 ppm	0.4946 ppm
Concentration per Run	0.5038 ppm	0.4878 ppm	0.4846 ppm	0.4761 ppm	0.4923 ppm	0.5083 ppm	0.4957 ppm
Recovery Percentage	100.382 %	96.678 %	97.161 %	94.240 %	98.289 %	101.354 %	99.036 %
Concentration RSD	0.4 %	1.1 %	0.3 %	0.9 %	0.3 %	0.7 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5089 ppm	0.5017 ppm	0.5069 ppm	0.5200 ppm	0.4955 ppm	5.1734 ppm	0.5027 ppm
Concentration per Run	0.5048 ppm	0.5041 ppm	0.5059 ppm	0.5179 ppm	0.4962 ppm	5.1341 ppm	0.4997 ppm
Concentration per Run	0.5093 ppm	0.4985 ppm	0.5093 ppm	0.5224 ppm	0.4957 ppm	5.2002 ppm	0.5058 ppm
Concentration per Run	0.5126 ppm	0.5026 ppm	0.5065 ppm	0.5197 ppm	0.4947 ppm	5.1858 ppm	0.5027 ppm
Recovery Percentage	101.786 %	100.343 %	101.389 %	103.997 %	99.106 %	103.467 %	100.542 %
Concentration RSD	0.8 %	0.6 %	0.3 %	0.4 %	0.1 %	0.7 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5234 ppm	0.5011 ppm	0.4794 ppm	10.1339 ppm	0.5064 ppm	0.5105 ppm	0.5077 ppm
Concentration per Run	0.5204 ppm	0.5008 ppm	0.4757 ppm	10.0951 ppm	0.5087 ppm	0.5053 ppm	0.5055 ppm
Concentration per Run	0.5218 ppm	0.5009 ppm	0.4803 ppm	10.1577 ppm	0.5051 ppm	0.5125 ppm	0.5095 ppm
Concentration per Run	0.5279 ppm	0.5014 ppm	0.4821 ppm	10.1490 ppm	0.5089 ppm	0.5104 ppm	0.5081 ppm
Recovery Percentage	104.672 %	100.212 %	95.878 %	101.339 %	101.283 %	102.105 %	101.537 %
Concentration RSD	0.8 %	0.1 %	0.7 %	0.3 %	0.4 %	0.4 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4794 ppm	5.3868 ppm	0.4939 ppm	0.5023 ppm	0.5070 ppm	0.4916 ppm	0.5129 ppm
Concentration per Run	0.4766 ppm	5.3600 ppm	0.4858 ppm	0.5025 ppm	0.4911 ppm	0.5119 ppm	0.5119 ppm
Concentration per Run	0.4781 ppm	5.3923 ppm	0.4978 ppm	0.5013 ppm	0.5065 ppm	0.4939 ppm	0.5137 ppm
Concentration per Run	0.4833 ppm	5.4080 ppm	0.4980 ppm	0.5032 ppm	0.5095 ppm	0.4897 ppm	0.5132 ppm
Recovery Percentage	95.873 %	102.605 %	98.777 %	100.468 %	101.409 %	98.315 %	102.587 %
Concentration RSD	0.7 %	0.5 %	1.4 %	0.2 %	0.4 %	0.4 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4796 ppm	99.3276 %	97.4557 %	97.1850 %	97.3894 %	97.5905 %	95.9764 %
Concentration per Run	0.4767 ppm	100.1329 %	98.2416 %	97.1342 %	98.4991 %	97.6175 %	95.5104 %
Concentration per Run	0.4799 ppm	99.4950 %	97.5256 %	97.0841 %	97.4000 %	96.9864 %	96.1552 %
Concentration per Run	0.4822 ppm	98.3549 %	97.5999 %	97.3368 %	96.2689 %	98.1676 %	96.2637 %
Recovery Percentage	95.915 %						
Concentration RSD	0.6 %	0.9 %	0.9 %	0.1 %	1.1 %	0.6 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 6:42:33 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0076 ppm	-0.0011 ppm	0.0007 ppm	-0.0001 ppm	0.0001 ppm	-0.0024 ppm
Concentration per Run	0.0004 ppm	0.0004 ppm	0.0002 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run	-0.0009 ppm	-0.0078 ppm	-0.0030 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm	-0.0024 ppm
Concentration per Run	-0.0006 ppm	-0.0103 ppm	-0.0005 ppm	0.0001 ppm	-0.0003 ppm	0.0000 ppm	-0.0062 ppm
Recovery Percentage	-5.308 %	-7.556 %	-22.299 %	2.317 %	-1.486 %	1.372 %	-2.427 %
Concentration RSD	182.3 %	38.4 %	150.3 %	71.4 %	79.0 %	89.8 %	155.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	-0.0001 ppm	0.0314 ppm	-0.0008 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0003 ppm	0.0001 ppm	-0.0006 ppm	0.0416 ppm	-0.0020 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	-0.0003 ppm	0.0003 ppm	0.0010 ppm	0.0295 ppm	-0.0006 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0006 ppm	-0.0005 ppm	0.0233 ppm	0.0002 ppm
Recovery Percentage	1.732 %	3.106 %	0.053 %	3.528 %	-0.105 %	1.258 %	-16.395 %
Concentration RSD	21.8 %	35.7 %	5.448.4 %	74.0 %	1,740.0 %	29.6 %	135.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0017 ppm	-0.0002 ppm	0.0003 ppm	-0.0015 ppm	-0.0004 ppm	0.0007 ppm	0.0025 ppm
Concentration per Run	-0.0038 ppm	-0.0004 ppm	0.0002 ppm	0.0017 ppm	-0.0005 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run	-0.0003 ppm	-0.0001 ppm	0.0002 ppm	-0.0065 ppm	-0.0009 ppm	0.0010 ppm	0.0035 ppm
Concentration per Run	-0.0012 ppm	0.0000 ppm	0.0006 ppm	0.0004 ppm	0.0002 ppm	0.0008 ppm	0.0032 ppm
Recovery Percentage	-1.743 %	-1.919 %	0.657 %	-0.074 %	-1.630 %	7.106 %	4.955 %
Concentration RSD	104.0 %	95.3 %	60.3 %	299.7 %	134.7 %	44.1 %	62.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	-0.0025 ppm	0.0016 ppm	-0.0001 ppm	-0.0016 ppm	0.0027 ppm	0.0001 ppm
Concentration per Run	0.0015 ppm	-0.0030 ppm	0.0016 ppm	0.0000 ppm	-0.0019 ppm	0.0028 ppm	0.0004 ppm
Concentration per Run	0.0012 ppm	-0.0013 ppm	0.0014 ppm	-0.0001 ppm	-0.0014 ppm	0.0029 ppm	0.0000 ppm
Concentration per Run	-0.0025 ppm	-0.0033 ppm	0.0017 ppm	-0.0001 ppm	-0.0015 ppm	0.0023 ppm	-0.0001 ppm
Recovery Percentage	0.612 %	-0.504 %	3.109 %	-0.579 %	-15.766 %	13.420 %	0.948 %
Concentration RSD	3.638.5 %	41.2 %	10.7 %	23.4 %	17.4 %	11.6 %	254.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.1964 %	95.8369 %	95.9170 %	97.9646 %	97.3932 %	95.7109 %
Concentration per Run	0.0000 ppm	97.5606 %	95.5117 %	96.5634 %	97.8195 %	97.1616 %	96.3038 %
Concentration per Run	0.0003 ppm	97.1657 %	95.8622 %	95.4246 %	98.1684 %	97.4624 %	95.3157 %
Concentration per Run	0.0003 ppm	96.8630 %	96.1368 %	95.7631 %	97.9059 %	97.5556 %	95.5133 %
Recovery Percentage	4.040 %						
Concentration RSD	81.2 %	0.4 %	0.3 %	0.6 %	0.2 %	0.2 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-1 WG2112482

Analysis started at: 9/11/2025 7:01:31 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 47

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0043 ppm	0.0012 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0143 ppm
Concentration per Run	-0.0001 ppm	-0.0044 ppm	0.0012 ppm	-0.0044 ppm	-0.0001 ppm	0.0001 ppm	0.0140 ppm
Concentration per Run	-0.0008 ppm	0.0015 ppm	0.0007 ppm	-0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0160 ppm
Concentration per Run	-0.0006 ppm	-0.0101 ppm	0.0016 ppm	0.0005 ppm	-0.0003 ppm	0.0000 ppm	0.0128 ppm
Concentration RSD	80.8 %	134.9 %	38.6 %	207.5 %	78.4 %	47.5 %	11.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0048 ppm	0.0352 ppm	-0.0009 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0046 ppm	0.0197 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	0.0012 ppm	-0.0004 ppm	0.0002 ppm	0.0056 ppm	0.0592 ppm	-0.0032 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0043 ppm	0.0266 ppm	-0.0002 ppm
Concentration RSD	97.3 %	70.5 %	29.872.1 %	68.5 %	14.3 %	59.9 %	241.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0005 ppm	0.0005 ppm	0.0000 ppm	0.0019 ppm	0.0006 ppm	0.0004 ppm	0.0025 ppm
Concentration per Run	-0.0007 ppm	0.0005 ppm	0.0001 ppm	0.0038 ppm	-0.0005 ppm	0.0003 ppm	0.0041 ppm
Concentration per Run	-0.0008 ppm	0.0006 ppm	-0.0004 ppm	0.0010 ppm	0.0012 ppm	-0.0002 ppm	-0.0020 ppm
Concentration per Run	0.0030 ppm	0.0005 ppm	0.0002 ppm	0.0009 ppm	0.0011 ppm	0.0010 ppm	0.0054 ppm
Concentration RSD	424.0 %	16.6 %	1.110.4 %	87.0 %	164.5 %	156.5 %	159.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	0.0046 ppm	0.0003 ppm	0.0000 ppm	-0.0016 ppm	0.0018 ppm	-0.0004 ppm
Concentration per Run	0.0016 ppm	0.0047 ppm	-0.0010 ppm	0.0001 ppm	-0.0016 ppm	0.0024 ppm	-0.0004 ppm
Concentration per Run	0.0008 ppm	0.0042 ppm	0.0007 ppm	0.0000 ppm	-0.0017 ppm	0.0025 ppm	0.0000 ppm
Concentration per Run	0.0019 ppm	0.0049 ppm	0.0010 ppm	0.0000 ppm	-0.0016 ppm	0.0006 ppm	-0.0002 ppm
Concentration RSD	38.0 %	7.7 %	414.0 %	378.2 %	2.6 %	60.2 %	87.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0020 ppm	99.5944 %	97.6129 %	98.1266 %	100.7385 %	98.4755 %	97.7662 %
Concentration per Run	0.0022 ppm	99.6263 %	97.1853 %	97.9598 %	100.4202 %	96.7050 %	97.6163 %
Concentration per Run	0.0018 ppm	99.6172 %	98.0918 %	97.7848 %	101.0343 %	100.0300 %	97.7201 %
Concentration per Run	0.0019 ppm	99.5397 %	97.8636 %	98.3284 %	100.7610 %	98.6914 %	97.9622 %
Concentration RSD	9.7 %	0.0 %	0.4 %	0.2 %	0.3 %	1.7 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-2 WG2112482

Analysis started at: 9/11/2025 7:03:47 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 48

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0534 ppm	2.0270 ppm	0.1189 ppm	0.9304 ppm	1.9378 ppm	0.0499 ppm	9.9132 ppm
Concentration per Run	0.0535 ppm	2.0417 ppm	0.1206 ppm	0.9299 ppm	1.9323 ppm	0.0503 ppm	9.9136 ppm
Concentration per Run	0.0539 ppm	2.0277 ppm	0.1198 ppm	0.9325 ppm	1.9388 ppm	0.0496 ppm	9.9108 ppm
Concentration per Run	0.0526 ppm	2.0116 ppm	0.1162 ppm	0.9289 ppm	1.9424 ppm	0.0498 ppm	9.9151 ppm
Concentration RSD	1.3 %	0.7 %	1.9 %	0.2 %	0.3 %	0.7 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0525 ppm	0.4841 ppm	0.1984 ppm	0.2529 ppm	0.9858 ppm	10.1650 ppm	-0.0011 ppm
Concentration per Run	0.0525 ppm	0.4833 ppm	0.1985 ppm	0.2533 ppm	0.9933 ppm	10.1835 ppm	-0.0028 ppm
Concentration per Run	0.0526 ppm	0.4828 ppm	0.1984 ppm	0.2530 ppm	0.9808 ppm	10.1107 ppm	-0.0021 ppm
Concentration per Run	0.0524 ppm	0.4862 ppm	0.1983 ppm	0.2524 ppm	0.9831 ppm	10.2009 ppm	0.0014 ppm
Concentration RSD	0.2 %	0.4 %	0.1 %	0.2 %	0.7 %	0.5 %	195.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.2274 ppm	0.4881 ppm	0.9531 ppm	10.0339 ppm	0.4940 ppm	0.5301 ppm	0.4991 ppm
Concentration per Run	10.2782 ppm	0.4866 ppm	0.9514 ppm	9.8759 ppm	0.4921 ppm	0.5293 ppm	0.4951 ppm
Concentration per Run	10.2944 ppm	0.4897 ppm	0.9563 ppm	10.1550 ppm	0.4949 ppm	0.5322 ppm	0.5023 ppm
Concentration per Run	10.1095 ppm	0.4881 ppm	0.9515 ppm	10.0708 ppm	0.4951 ppm	0.5288 ppm	0.4997 ppm
Concentration RSD	1.0 %	0.3 %	0.3 %	1.4 %	0.3 %	0.4 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1185 ppm	1.0985 ppm	0.9488 ppm	0.9654 ppm	0.9925 ppm	0.1177 ppm	0.5129 ppm
Concentration per Run	0.1213 ppm	1.0978 ppm	0.9451 ppm	0.9629 ppm	0.9885 ppm	0.1181 ppm	0.5121 ppm
Concentration per Run	0.1166 ppm	1.1047 ppm	0.9503 ppm	0.9657 ppm	0.9977 ppm	0.1167 ppm	0.5146 ppm
Concentration per Run	0.1176 ppm	1.0929 ppm	0.9511 ppm	0.9677 ppm	0.9813 ppm	0.1184 ppm	0.5119 ppm
Concentration RSD	2.1 %	0.5 %	0.3 %	0.3 %	1.0 %	0.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4748 ppm	99.2875 %	98.0338 %	95.9520 %	98.0575 %	97.4033 %	95.1578 %
Concentration per Run	0.4743 ppm	99.5295 %	98.6941 %	95.7047 %	98.1483 %	96.5369 %	95.1067 %
Concentration per Run	0.4760 ppm	98.8877 %	97.9247 %	95.4460 %	98.0090 %	98.1996 %	95.0739 %
Concentration per Run	0.4741 ppm	99.4453 %	97.4827 %	96.7054 %	98.0153 %	97.4735 %	95.2928 %
Concentration RSD	0.2 %	0.4 %	0.6 %	0.7 %	0.1 %	0.9 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-08 WG2112482

Analysis started at: 9/11/2025 7:05:53 PM

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Rack Number 2

Vial Numbers 49

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0129 ppm	0.0014 ppm	0.0089 ppm	0.0873 ppm	0.0000 ppm	20.6098 ppm
Concentration per Run	-0.0003 ppm	0.0167 ppm	0.0017 ppm	0.0084 ppm	0.0873 ppm	0.0000 ppm	20.5640 ppm
Concentration per Run	0.0002 ppm	0.0237 ppm	0.0014 ppm	0.0088 ppm	0.0875 ppm	0.0000 ppm	20.8191 ppm
Concentration per Run	-0.0002 ppm	-0.0016 ppm	0.0010 ppm	0.0094 ppm	0.0870 ppm	0.0001 ppm	20.4464 ppm
Concentration RSD	286.4 %	101.1 %	26.1 %	5.5 %	0.3 %	95.3 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0005 ppm	0.0345 ppm	2.0324 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0334 ppm	2.0394 ppm	0.0019 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0006 ppm	0.0337 ppm	2.0463 ppm	0.0004 ppm
Concentration per Run	-0.0002 ppm	0.0006 ppm	0.0004 ppm	0.0006 ppm	0.0364 ppm	2.0115 ppm	0.0006 ppm
Concentration RSD	70.3 %	67.6 %	18.5 %	3.3 %	4.8 %	0.9 %	82.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.9131 ppm	0.0050 ppm	0.0004 ppm	42.0415 ppm	0.0023 ppm	-0.0002 ppm	0.0026 ppm
Concentration per Run	5.9189 ppm	0.0050 ppm	0.0002 ppm	42.2494 ppm	0.0015 ppm	0.0004 ppm	0.0032 ppm
Concentration per Run	5.9018 ppm	0.0052 ppm	0.0007 ppm	41.7662 ppm	0.0024 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run	5.9188 ppm	0.0049 ppm	0.0003 ppm	42.1089 ppm	0.0030 ppm	0.0000 ppm	0.0044 ppm
Concentration RSD	0.2 %	3.6 %	68.5 %	0.6 %	32.9 %	358.1 %	85.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	2.5297 ppm	0.0015 ppm	0.1601 ppm	-0.0007 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run	0.0021 ppm	2.5345 ppm	0.0022 ppm	0.1599 ppm	-0.0006 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	0.0033 ppm	2.5250 ppm	0.0012 ppm	0.1604 ppm	-0.0006 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run	-0.0016 ppm	2.5297 ppm	0.0010 ppm	0.1601 ppm	-0.0010 ppm	0.0023 ppm	0.0002 ppm
Concentration RSD	199.5 %	0.2 %	44.1 %	0.1 %	29.2 %	48.5 %	123.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0030 ppm	99.0328 %	98.5382 %	96.4602 %	96.8577 %	97.2544 %	95.7163 %
Concentration per Run	0.0029 ppm	99.2490 %	98.0876 %	96.7852 %	96.6532 %	98.1335 %	96.0427 %
Concentration per Run	0.0031 ppm	99.3377 %	96.8894 %	96.8894 %	97.1716 %	96.5854 %	96.4177 %
Concentration per Run	0.0031 ppm	98.5717 %	98.1896 %	95.7059 %	96.7485 %	97.0442 %	94.6885 %
Concentration RSD	4.8 %	0.4 %	0.7 %	0.7 %	0.3 %	0.8 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-3 WG2112482

Analysis started at: 9/11/2025 7:08:00 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 50

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0550 ppm	2.1056 ppm	0.1219 ppm	0.9597 ppm	2.1042 ppm	0.0527 ppm	30.2806 ppm
Concentration per Run	0.0550 ppm	2.1060 ppm	0.1210 ppm	0.9573 ppm	2.1056 ppm	0.0530 ppm	30.2445 ppm
Concentration per Run	0.0549 ppm	2.0968 ppm	0.1214 ppm	0.9591 ppm	2.1048 ppm	0.0527 ppm	30.4407 ppm
Concentration per Run	0.0550 ppm	2.1141 ppm	0.1233 ppm	0.9628 ppm	2.1021 ppm	0.0525 ppm	30.1566 ppm
Concentration RSD	0.1 %	0.4 %	1.0 %	0.3 %	0.1 %	0.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0547 ppm	0.4995 ppm	0.2612 ppm	0.2612 ppm	1.0653 ppm	12.2474 ppm	0.0004 ppm
Concentration per Run	0.0546 ppm	0.4983 ppm	0.2618 ppm	0.2618 ppm	1.0693 ppm	12.2345 ppm	0.0014 ppm
Concentration per Run	0.0548 ppm	0.4986 ppm	0.2604 ppm	0.2604 ppm	1.0663 ppm	12.2279 ppm	0.0000 ppm
Concentration per Run	0.0546 ppm	0.5016 ppm	0.2615 ppm	0.2615 ppm	1.0603 ppm	12.2799 ppm	-0.0003 ppm
Concentration RSD	0.3 %	0.4 %	0.3 %	0.3 %	0.4 %	0.2 %	239.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.9494 ppm	0.5102 ppm	0.9612 ppm	51.6258 ppm	0.5140 ppm	0.5262 ppm	0.5227 ppm
Concentration per Run	15.9421 ppm	0.5104 ppm	0.9591 ppm	51.5614 ppm	0.5133 ppm	0.5273 ppm	0.5207 ppm
Concentration per Run	15.9517 ppm	0.5103 ppm	0.9606 ppm	51.4066 ppm	0.5145 ppm	0.5267 ppm	0.5235 ppm
Concentration per Run	15.9543 ppm	0.5100 ppm	0.9639 ppm	51.9092 ppm	0.5142 ppm	0.5244 ppm	0.5240 ppm
Concentration RSD	0.0 %	0.0 %	0.3 %	0.5 %	0.1 %	0.3 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1230 ppm	3.6818 ppm	0.9468 ppm	1.1222 ppm	1.0029 ppm	0.1149 ppm	0.5403 ppm
Concentration per Run	0.1213 ppm	3.6673 ppm	0.9452 ppm	1.1234 ppm	1.0002 ppm	0.1138 ppm	0.5402 ppm
Concentration per Run	0.1223 ppm	3.6888 ppm	0.9469 ppm	1.1221 ppm	1.0049 ppm	0.1151 ppm	0.5397 ppm
Concentration per Run	0.1254 ppm	3.6892 ppm	0.9482 ppm	1.1211 ppm	1.0035 ppm	0.1158 ppm	0.5410 ppm
Concentration RSD	1.8 %	0.3 %	0.2 %	0.1 %	0.2 %	0.9 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5004 ppm	98.8224 %	98.2255 %	94.7919 %	96.8093 %	97.3235 %	94.7587 %
Concentration per Run	0.4991 ppm	99.0692 %	98.6288 %	94.4328 %	97.1256 %	97.8616 %	94.3853 %
Concentration per Run	0.5011 ppm	98.3251 %	98.1581 %	95.2680 %	96.1610 %	96.3985 %	95.2760 %
Concentration per Run	0.5009 ppm	99.0728 %	97.8897 %	94.6749 %	97.1413 %	97.7103 %	94.6147 %
Concentration RSD	0.2 %	0.4 %	0.4 %	0.5 %	0.6 %	0.8 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-4 WG2112482

Analysis started at: 9/11/2025 7:10:06 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 51

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0543 ppm	2.0675 ppm	0.1232 ppm	0.9751 ppm	2.0525 ppm	0.0515 ppm	30.1439 ppm
Concentration per Run	0.0543 ppm	2.0701 ppm	0.1245 ppm	0.9738 ppm	2.0523 ppm	0.0514 ppm	30.2305 ppm
Concentration per Run	0.0544 ppm	2.0662 ppm	0.1230 ppm	0.9759 ppm	2.0554 ppm	0.0515 ppm	30.0824 ppm
Concentration per Run	0.0543 ppm	2.0663 ppm	0.1221 ppm	0.9756 ppm	2.0498 ppm	0.0514 ppm	30.1188 ppm
Concentration RSD	0.1 %	0.1 %	1.0 %	0.1 %	0.1 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0536 ppm	0.4876 ppm	0.2020 ppm	0.2554 ppm	1.0276 ppm	12.3209 ppm	0.0007 ppm
Concentration per Run	0.0538 ppm	0.4864 ppm	0.2018 ppm	0.2549 ppm	1.0285 ppm	12.2832 ppm	0.0006 ppm
Concentration per Run	0.0535 ppm	0.4867 ppm	0.2025 ppm	0.2556 ppm	1.0269 ppm	12.3327 ppm	-0.0004 ppm
Concentration per Run	0.0535 ppm	0.4897 ppm	0.2016 ppm	0.2558 ppm	1.0274 ppm	12.3468 ppm	-0.0003 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	0.2 %	0.1 %	0.3 %	3.321.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.9683 ppm	0.4999 ppm	0.9760 ppm	51.3431 ppm	0.4997 ppm	0.5320 ppm	0.5111 ppm
Concentration per Run	15.9149 ppm	0.5010 ppm	0.9783 ppm	51.2572 ppm	0.4968 ppm	0.5291 ppm	0.5088 ppm
Concentration per Run	15.9089 ppm	0.4989 ppm	0.9729 ppm	51.3407 ppm	0.5009 ppm	0.5318 ppm	0.5091 ppm
Concentration per Run	16.0812 ppm	0.5000 ppm	0.9769 ppm	51.4313 ppm	0.5015 ppm	0.5352 ppm	0.5154 ppm
Concentration RSD	0.6 %	0.2 %	0.3 %	0.2 %	0.5 %	0.6 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1213 ppm	3.6752 ppm	0.9675 ppm	1.1284 ppm	1.0136 ppm	0.1165 ppm	0.5290 ppm
Concentration per Run	0.1229 ppm	3.6779 ppm	0.9754 ppm	1.1288 ppm	1.0153 ppm	0.1170 ppm	0.5283 ppm
Concentration per Run	0.1220 ppm	3.6674 ppm	0.9667 ppm	1.1304 ppm	1.0071 ppm	0.1159 ppm	0.5292 ppm
Concentration per Run	0.1191 ppm	3.6802 ppm	0.9603 ppm	1.1259 ppm	1.0183 ppm	0.1167 ppm	0.5295 ppm
Concentration RSD	1.7 %	0.2 %	0.8 %	0.2 %	0.6 %	0.5 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4889 ppm	98.8849 %	98.6665 %	95.7672 %	96.3989 %	98.3362 %	95.6854 %
Concentration per Run	0.4888 ppm	99.1165 %	99.4025 %	96.1103 %	96.3126 %	98.8076 %	95.9941 %
Concentration per Run	0.4889 ppm	99.0175 %	98.6483 %	95.7382 %	96.3071 %	98.5639 %	95.4867 %
Concentration per Run	0.4891 ppm	98.5208 %	97.9485 %	95.4532 %	96.5768 %	97.6372 %	95.5754 %
Concentration RSD	0.0 %	0.3 %	0.7 %	0.3 %	0.2 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-5 WG2112482

Analysis started at: 9/11/2025 7:12:12 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 52

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0467 ppm	1.9179 ppm	0.1148 ppm	0.9324 ppm	1.9325 ppm	0.0481 ppm	29.5112 ppm
Concentration per Run	0.0462 ppm	1.9317 ppm	0.1150 ppm	0.9293 ppm	1.9342 ppm	0.0481 ppm	29.5225 ppm
Concentration per Run	0.0470 ppm	1.9051 ppm	0.1145 ppm	0.9298 ppm	1.9250 ppm	0.0479 ppm	29.4313 ppm
Concentration per Run	0.0470 ppm	1.9171 ppm	0.1149 ppm	0.9382 ppm	1.9382 ppm	0.0482 ppm	29.5797 ppm
Concentration RSD	1.1 %	0.7 %	0.2 %	0.5 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0505 ppm	0.4566 ppm	0.1896 ppm	0.2395 ppm	0.9657 ppm	11.8192 ppm	-0.0001 ppm
Concentration per Run	0.0504 ppm	0.4575 ppm	0.1896 ppm	0.2387 ppm	0.9655 ppm	11.8259 ppm	0.0013 ppm
Concentration per Run	0.0505 ppm	0.4530 ppm	0.1888 ppm	0.2390 ppm	0.9654 ppm	11.7969 ppm	-0.0001 ppm
Concentration per Run	0.0506 ppm	0.4592 ppm	0.1904 ppm	0.2407 ppm	0.9662 ppm	11.8347 ppm	-0.0014 ppm
Concentration RSD	0.1 %	0.7 %	0.4 %	0.5 %	0.0 %	0.2 %	2.594.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.5159 ppm	0.4674 ppm	0.9310 ppm	50.4300 ppm	0.4705 ppm	0.5039 ppm	0.4776 ppm
Concentration per Run	15.5930 ppm	0.4676 ppm	0.9305 ppm	50.5830 ppm	0.4700 ppm	0.5018 ppm	0.4782 ppm
Concentration per Run	15.4201 ppm	0.4686 ppm	0.9288 ppm	50.1536 ppm	0.4693 ppm	0.5020 ppm	0.4767 ppm
Concentration per Run	15.5345 ppm	0.4681 ppm	0.9328 ppm	50.5534 ppm	0.4723 ppm	0.5079 ppm	0.4778 ppm
Concentration RSD	0.6 %	0.2 %	0.2 %	0.5 %	0.3 %	0.7 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1136 ppm	3.2503 ppm	0.9290 ppm	1.0823 ppm	0.9666 ppm	0.1094 ppm	0.4952 ppm
Concentration per Run	0.1152 ppm	3.2456 ppm	0.9314 ppm	1.0817 ppm	0.9712 ppm	0.1095 ppm	0.4945 ppm
Concentration per Run	0.1135 ppm	3.2429 ppm	0.9281 ppm	1.0781 ppm	0.9622 ppm	0.1095 ppm	0.4942 ppm
Concentration per Run	0.1122 ppm	3.2625 ppm	0.9269 ppm	1.0870 ppm	0.9663 ppm	0.1092 ppm	0.4969 ppm
Concentration RSD	1.3 %	0.3 %	0.2 %	0.4 %	0.5 %	0.2 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4592 ppm	98.1334 %	98.7378 %	94.6939 %	96.1361 %	99.0638 %	94.7882 %
Concentration per Run	0.4604 ppm	97.7610 %	98.5936 %	93.9908 %	95.5851 %	99.5756 %	94.2590 %
Concentration per Run	0.4555 ppm	98.6101 %	99.4448 %	95.2421 %	96.3151 %	99.3901 %	95.0276 %
Concentration per Run	0.4616 ppm	98.0292 %	98.1751 %	94.8488 %	96.5281 %	98.2256 %	95.0779 %
Concentration RSD	0.7 %	0.4 %	0.7 %	0.7 %	0.5 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-6d5 WG2112482

Analysis started at: 9/11/2025 7:15:48 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 53

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0089 ppm	0.0006 ppm	0.0034 ppm	0.0167 ppm	0.0000 ppm	3.9759 ppm
Concentration per Run	0.0001 ppm	0.0077 ppm	0.0001 ppm	0.0023 ppm	0.0167 ppm	0.0000 ppm	3.9690 ppm
Concentration per Run	0.0001 ppm	0.0085 ppm	-0.0011 ppm	0.0029 ppm	0.0166 ppm	0.0000 ppm	3.9923 ppm
Concentration per Run	-0.0008 ppm	0.0106 ppm	0.0029 ppm	0.0049 ppm	0.0167 ppm	0.0000 ppm	3.9664 ppm
Concentration RSD	279.9 %	16.6 %	338.2 %	39.6 %	0.4 %	150.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0072 ppm	0.4203 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	-0.0004 ppm	-0.0003 ppm	0.0083 ppm	0.4645 ppm	-0.0010 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0004 ppm	0.0001 ppm	0.0067 ppm	0.4115 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0005 ppm	0.0002 ppm	0.0066 ppm	0.3848 ppm	0.0004 ppm
Concentration RSD	77.5 %	14.7 %	2.2 %	6420.7 %	13.4 %	9.7 %	1275.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1748 ppm	0.0008 ppm	0.0001 ppm	8.2337 ppm	0.0002 ppm	0.0006 ppm	0.0039 ppm
Concentration per Run	1.1777 ppm	0.0008 ppm	0.0002 ppm	8.1738 ppm	-0.0008 ppm	-0.0003 ppm	0.0052 ppm
Concentration per Run	1.1692 ppm	0.0009 ppm	0.0001 ppm	8.2611 ppm	0.0009 ppm	0.0012 ppm	0.0032 ppm
Concentration per Run	1.1775 ppm	0.0007 ppm	0.0001 ppm	8.2661 ppm	0.0006 ppm	0.0010 ppm	0.0033 ppm
Concentration RSD	0.4 %	12.4 %	11.4 %	0.6 %	414.3 %	126.1 %	29.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0002 ppm	0.4844 ppm	0.0015 ppm	0.0307 ppm	-0.0014 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0041 ppm	0.4826 ppm	0.0009 ppm	0.0308 ppm	-0.0014 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	-0.0030 ppm	0.4833 ppm	0.0018 ppm	0.0306 ppm	-0.0019 ppm	0.0018 ppm	-0.0001 ppm
Concentration per Run	-0.0016 ppm	0.4874 ppm	0.0018 ppm	0.0307 ppm	-0.0009 ppm	0.0022 ppm	0.0002 ppm
Concentration RSD	2,438.9 %	0.5 %	36.0 %	0.3 %	36.1 %	37.7 %	427.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	100.3090 %	98.7936 %	98.4857 %	98.4977 %	98.6941 %	96.6813 %
Concentration per Run	0.0006 ppm	100.4833 %	98.6904 %	98.8138 %	98.8303 %	98.3758 %	96.7242 %
Concentration per Run	0.0010 ppm	100.6347 %	98.7767 %	98.8376 %	98.8994 %	98.3997 %	97.2196 %
Concentration per Run	0.0010 ppm	99.8088 %	98.9139 %	97.8056 %	97.7635 %	99.3067 %	96.1001 %
Concentration RSD	29.1 %	0.4 %	0.1 %	0.6 %	0.6 %	0.5 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample: 9/11/2025 7:17:58 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4967 ppm	0.4817 ppm	0.4769 ppm	0.4667 ppm	0.4859 ppm	0.4993 ppm	0.4892 ppm
Concentration per Run	0.4942 ppm	0.4757 ppm	0.4764 ppm	0.4640 ppm	0.4843 ppm	0.4991 ppm	0.4952 ppm
Concentration per Run	0.4985 ppm	0.4923 ppm	0.4779 ppm	0.4651 ppm	0.4877 ppm	0.4995 ppm	0.4841 ppm
Concentration per Run	0.4975 ppm	0.4770 ppm	0.4765 ppm	0.4710 ppm	0.4857 ppm	0.4994 ppm	0.4884 ppm
Recovery Percentage	99.349 %	96.338 %	95.386 %	93.342 %	97.188 %	99.869 %	97.847 %
Concentration RSD	0.4 %	1.9 %	0.2 %	0.8 %	0.3 %	0.0 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5050 ppm	0.5000 ppm	0.5033 ppm	0.5170 ppm	0.4891 ppm	5.1344 ppm	0.4890 ppm
Concentration per Run	0.5005 ppm	0.4994 ppm	0.4999 ppm	0.5146 ppm	0.4870 ppm	5.1335 ppm	0.4893 ppm
Concentration per Run	0.5073 ppm	0.4999 ppm	0.5083 ppm	0.5171 ppm	0.4893 ppm	5.1352 ppm	0.4862 ppm
Concentration per Run	0.5072 ppm	0.5006 ppm	0.5192 ppm	0.5192 ppm	0.4911 ppm	5.1346 ppm	0.4915 ppm
Recovery Percentage	101.002 %	99.990 %	100.662 %	103.394 %	97.825 %	102.688 %	97.801 %
Concentration RSD	0.8 %	0.1 %	0.6 %	0.4 %	0.4 %	0.0 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5149 ppm	0.4965 ppm	0.4741 ppm	9.9878 ppm	0.5042 ppm	0.5037 ppm	0.5065 ppm
Concentration per Run	0.5084 ppm	0.4972 ppm	0.4716 ppm	9.9431 ppm	0.5015 ppm	0.5042 ppm	0.5005 ppm
Concentration per Run	0.5203 ppm	0.4957 ppm	0.4750 ppm	10.0756 ppm	0.5049 ppm	0.5038 ppm	0.5125 ppm
Concentration per Run	0.5160 ppm	0.4966 ppm	0.4758 ppm	9.9446 ppm	0.5060 ppm	0.5029 ppm	0.5065 ppm
Recovery Percentage	102.978 %	99.299 %	94.825 %	99.878 %	100.830 %	100.731 %	101.299 %
Concentration RSD	1.2 %	0.2 %	0.5 %	0.8 %	0.5 %	0.1 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4712 ppm	5.3374 ppm	0.4872 ppm	0.4961 ppm	0.4982 ppm	0.4837 ppm	0.5081 ppm
Concentration per Run	0.4732 ppm	5.2967 ppm	0.4858 ppm	0.4959 ppm	0.4941 ppm	0.4832 ppm	0.5058 ppm
Concentration per Run	0.4718 ppm	5.3597 ppm	0.4889 ppm	0.4976 ppm	0.5013 ppm	0.4833 ppm	0.5093 ppm
Concentration per Run	0.4687 ppm	5.3558 ppm	0.4870 ppm	0.4948 ppm	0.4993 ppm	0.4845 ppm	0.5091 ppm
Recovery Percentage	94.249 %	101.665 %	97.444 %	99.216 %	99.641 %	96.738 %	101.612 %
Concentration RSD	0.5 %	0.7 %	0.3 %	0.3 %	0.7 %	0.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4776 ppm	100.0292 %	97.6036 %	97.7901 %	97.9893 %	98.0916 %	96.7055 %
Concentration per Run	0.4745 ppm	100.6031 %	98.2653 %	97.3770 %	98.2051 %	98.4936 %	96.3425 %
Concentration per Run	0.4793 ppm	100.0490 %	97.6566 %	97.3380 %	98.4680 %	99.2007 %	96.2920 %
Concentration per Run	0.4790 ppm	99.4357 %	96.8888 %	98.6553 %	97.2947 %	96.5805 %	97.4821 %
Recovery Percentage	95.514 %						
Concentration RSD	0.6 %	0.6 %	0.7 %	0.8 %	0.6 %	1.4 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:20:04 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0028 ppm	0.0011 ppm	0.0020 ppm	-0.0002 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run	-0.0002 ppm	-0.0004 ppm	0.0023 ppm	0.0015 ppm	-0.0004 ppm	0.0000 ppm	-0.0049 ppm
Concentration per Run	-0.0005 ppm	-0.0015 ppm	-0.0002 ppm	0.0028 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run	-0.0006 ppm	-0.0066 ppm	0.0011 ppm	0.0018 ppm	-0.0003 ppm	0.0001 ppm	-0.0022 ppm
Recovery Percentage	-6.188 %	-2.798 %	21.221 %	6.760 %	-2.352 %	0.781 %	-2.235 %
Concentration RSD	42.6 %	118.6 %	117.4 %	34.1 %	65.9 %	84.9 %	117.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0232 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0295 ppm	-0.0015 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0004 ppm	0.0007 ppm	0.0390 ppm	0.0026 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0001 ppm	0.0009 ppm	0.0011 ppm	0.0001 ppm
Recovery Percentage	2.564 %	2.144 %	0.594 %	1.627 %	1.299 %	0.927 %	7.680 %
Concentration RSD	43.1 %	65.5 %	607.4 %	107.6 %	46.0 %	85.1 %	533.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0027 ppm	-0.0001 ppm	-0.0001 ppm	-0.0006 ppm	-0.0005 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	-0.0015 ppm	-0.0001 ppm	-0.0001 ppm	0.0045 ppm	-0.0002 ppm	0.0002 ppm	-0.0015 ppm
Concentration per Run	-0.0041 ppm	-0.0001 ppm	-0.0013 ppm	-0.0011 ppm	-0.0014 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run	-0.0026 ppm	-0.0002 ppm	0.0002 ppm	-0.0051 ppm	0.0003 ppm	-0.0005 ppm	0.0019 ppm
Recovery Percentage	-2.736 %	-1.337 %	-0.207 %	-0.031 %	-2.008 %	3.783 %	0.461 %
Concentration RSD	46.2 %	53.7 %	249.2 %	767.2 %	139.8 %	247.6 %	740.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0012 ppm	-0.0016 ppm	0.0004 ppm	-0.0001 ppm	-0.0015 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0019 ppm	0.0003 ppm	-0.0004 ppm	-0.0001 ppm	-0.0013 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run	0.0007 ppm	-0.0017 ppm	0.0009 ppm	0.0000 ppm	-0.0014 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run	0.0010 ppm	-0.0034 ppm	0.0007 ppm	-0.0001 ppm	-0.0017 ppm	0.0021 ppm	-0.0001 ppm
Recovery Percentage	12.110 %	-0.321 %	0.784 %	-0.604 %	-14.681 %	8.725 %	0.225 %
Concentration RSD	53.2 %	114.3 %	180.5 %	21.6 %	16.2 %	18.6 %	465.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	97.6999 %	94.2904 %	95.8479 %	97.8998 %	96.4697 %	95.9202 %
Concentration per Run	0.0002 ppm	97.7815 %	94.5467 %	95.4762 %	97.6469 %	96.7105 %	95.6678 %
Concentration per Run	0.0001 ppm	97.8152 %	93.5878 %	95.9121 %	98.2144 %	96.4487 %	95.9445 %
Concentration per Run	0.0000 ppm	97.5030 %	94.7368 %	96.1552 %	97.8381 %	96.2498 %	96.1484 %
Recovery Percentage	1.819 %						
Concentration RSD	123.2 %	0.2 %	0.7 %	0.4 %	0.3 %	0.2 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: zWG2112183-1 WG2112183

Analysis started at: 9/11/2025 7:22:32 PM

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Rack Number 3

Vial Numbers 17

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0056 ppm	0.0016 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0282 ppm
Concentration per Run	-0.0006 ppm	0.0074 ppm	0.0015 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0273 ppm
Concentration per Run	-0.0002 ppm	0.0003 ppm	0.0020 ppm	0.0011 ppm	-0.0002 ppm	0.0000 ppm	0.0276 ppm
Concentration per Run	0.0003 ppm	0.0093 ppm	0.0013 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0298 ppm
Recovery Percentage	-2.778 %	5.634 %	31.824 %	3.552 %	-0.566 %	0.540 %	28.247 %
Concentration RSD	239.7 %	84.1 %	22.2 %	13.4 %	273.9 %	50.1 %	4.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0008 ppm	0.0008 ppm	0.0005 ppm	0.0123 ppm	0.0249 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0118 ppm	0.0170 ppm	0.0027 ppm
Concentration per Run	0.0000 ppm	0.0010 ppm	-0.0001 ppm	0.0008 ppm	0.0123 ppm	0.0151 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0012 ppm	0.0004 ppm	0.0004 ppm	0.0129 ppm	0.0427 ppm	-0.0011 ppm
Recovery Percentage	0.683 %	3.981 %	0.398 %	4.858 %	24.657 %	0.997 %	12.099 %
Concentration RSD	115.5 %	63.6 %	696.2 %	56.4 %	4.3 %	61.8 %	320.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0059 ppm	0.0008 ppm	0.0008 ppm	0.0122 ppm	0.0010 ppm	0.0004 ppm	0.0006 ppm
Concentration per Run	0.0055 ppm	0.0008 ppm	0.0003 ppm	0.0118 ppm	0.0011 ppm	-0.0003 ppm	-0.0009 ppm
Concentration per Run	0.0071 ppm	0.0008 ppm	0.0003 ppm	0.0173 ppm	0.0008 ppm	0.0042 ppm	0.0042 ppm
Concentration per Run	0.0053 ppm	0.0009 ppm	-0.0007 ppm	0.0073 ppm	0.0009 ppm	0.0006 ppm	-0.0013 ppm
Recovery Percentage	5.939 %	8.223 %	-0.103 %	0.608 %	3.858 %	3.696 %	1.275 %
Concentration RSD	16.4 %	8.1 %	1.1636 %	41.2 %	9.8 %	153.3 %	479.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0017 ppm	0.0053 ppm	0.0003 ppm	-0.0001 ppm	-0.0018 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0014 ppm	0.0025 ppm	0.0001 ppm	-0.0002 ppm	-0.0020 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	0.0012 ppm	0.0063 ppm	0.0006 ppm	-0.0001 ppm	-0.0013 ppm	0.0019 ppm	-0.0002 ppm
Concentration per Run	0.0025 ppm	0.0070 ppm	-0.0002 ppm	0.0000 ppm	-0.0020 ppm	0.0008 ppm	-0.0002 ppm
Recovery Percentage	16.854 %	1.056 %	0.380 %	-0.928 %	-17.885 %	4.823 %	-1.466 %
Concentration RSD	40.2 %	46.3 %	205.5 %	91.8 %	21.4 %	84.0 %	26.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0058 ppm	100.6470 %	98.4950 %	99.1932 %	101.0600 %	100.3314 %	98.5435 %
Concentration per Run	0.0059 ppm	100.4598 %	98.8138 %	99.3068 %	100.7878 %	100.7024 %	98.7111 %
Concentration per Run	0.0059 ppm	101.0967 %	97.8929 %	98.6617 %	101.7596 %	99.1812 %	98.2448 %
Concentration per Run	0.0058 ppm	100.3844 %	98.7781 %	99.6292 %	100.6325 %	101.1104 %	98.6747 %
Recovery Percentage	116.815 %						
Concentration RSD	0.7 %	0.4 %	0.5 %	0.5 %	0.6 %	1.0 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:24:43 PM

Analysis started at:

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Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4982 ppm	0.4779 ppm	0.4806 ppm	0.4697 ppm	0.4861 ppm	0.4982 ppm	0.4889 ppm
Concentration per Run	0.4975 ppm	0.4852 ppm	0.4802 ppm	0.4662 ppm	0.4885 ppm	0.5035 ppm	0.4913 ppm
Concentration per Run	0.4979 ppm	0.4774 ppm	0.4801 ppm	0.4691 ppm	0.4838 ppm	0.4918 ppm	0.4879 ppm
Concentration per Run	0.4990 ppm	0.4713 ppm	0.4815 ppm	0.4739 ppm	0.4860 ppm	0.4993 ppm	0.4877 ppm
Recovery Percentage	99.635 %	95.587 %	96.121 %	93.943 %	97.225 %	99.639 %	97.790 %
Concentration RSD	0.2 %	1.5 %	0.2 %	0.8 %	0.5 %	1.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5080 ppm	0.4994 ppm	0.5035 ppm	0.5172 ppm	0.4907 ppm	5.1430 ppm	0.4892 ppm
Concentration per Run	0.5093 ppm	0.4958 ppm	0.5005 ppm	0.5155 ppm	0.4928 ppm	5.1291 ppm	0.4976 ppm
Concentration per Run	0.5058 ppm	0.5005 ppm	0.5047 ppm	0.5167 ppm	0.4883 ppm	5.1377 ppm	0.4834 ppm
Concentration per Run	0.5089 ppm	0.5020 ppm	0.5192 ppm	0.5192 ppm	0.4911 ppm	5.1621 ppm	0.4865 ppm
Recovery Percentage	101.600 %	99.884 %	100.698 %	103.430 %	98.147 %	102.859 %	97.832 %
Concentration RSD	0.4 %	0.6 %	0.5 %	0.4 %	0.5 %	0.3 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5207 ppm	0.4966 ppm	0.4779 ppm	9.9492 ppm	0.5043 ppm	0.5048 ppm	0.5037 ppm
Concentration per Run	0.5226 ppm	0.4972 ppm	0.4785 ppm	10.0203 ppm	0.5027 ppm	0.5056 ppm	0.5019 ppm
Concentration per Run	0.5167 ppm	0.4953 ppm	0.4758 ppm	9.8397 ppm	0.5040 ppm	0.5051 ppm	0.5068 ppm
Concentration per Run	0.5228 ppm	0.4974 ppm	0.4794 ppm	9.9878 ppm	0.5063 ppm	0.5038 ppm	0.5024 ppm
Recovery Percentage	104.135 %	99.326 %	95.587 %	99.492 %	100.864 %	100.967 %	100.737 %
Concentration RSD	0.7 %	0.2 %	0.4 %	1.0 %	0.4 %	0.2 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4712 ppm	5.3744 ppm	0.4859 ppm	0.4950 ppm	0.5035 ppm	0.4767 ppm	0.5112 ppm
Concentration per Run	0.4714 ppm	5.3783 ppm	0.4847 ppm	0.4989 ppm	0.5060 ppm	0.4755 ppm	0.5109 ppm
Concentration per Run	0.4723 ppm	5.3650 ppm	0.4859 ppm	0.4910 ppm	0.5002 ppm	0.4771 ppm	0.5101 ppm
Concentration per Run	0.4700 ppm	5.3800 ppm	0.4873 ppm	0.4951 ppm	0.5042 ppm	0.4775 ppm	0.5126 ppm
Recovery Percentage	94.245 %	102.370 %	97.190 %	99.001 %	100.697 %	95.341 %	102.237 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.8 %	0.6 %	0.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4766 ppm	99.7265 %	98.3314 %	97.2889 %	98.1775 %	98.0183 %	96.1417 %
Concentration per Run	0.4768 ppm	99.6128 %	99.3335 %	97.1699 %	98.5912 %	99.5603 %	95.9018 %
Concentration per Run	0.4756 ppm	100.1799 %	98.3705 %	97.1113 %	98.3642 %	97.4926 %	95.9428 %
Concentration per Run	0.4775 ppm	99.3869 %	97.2902 %	97.5855 %	97.5771 %	97.0021 %	96.5805 %
Recovery Percentage	95.326 %						
Concentration RSD	0.2 %	0.4 %	1.0 %	0.3 %	0.5 %	1.4 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:26:48 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0051 ppm	0.0004 ppm	0.0009 ppm	-0.0003 ppm	0.0000 ppm	-0.0043 ppm
Concentration per Run	-0.0006 ppm	0.0086 ppm	0.0014 ppm	0.0005 ppm	-0.0003 ppm	0.0001 ppm	-0.0041 ppm
Concentration per Run	0.0000 ppm	0.0114 ppm	0.0006 ppm	0.0022 ppm	-0.0002 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run	-0.0003 ppm	-0.0046 ppm	-0.0010 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0075 ppm
Recovery Percentage	-4.302 %	5.116 %	7.112 %	3.136 %	-2.576 %	0.658 %	-4.311 %
Concentration RSD	106.3 %	167.5 %	336.7 %	119.6 %	29.2 %	224.5 %	71.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0002 ppm	0.0003 ppm	0.0087 ppm	0.0005 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0147 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0052 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0002 ppm	0.0014 ppm	0.0166 ppm	0.0019 ppm
Recovery Percentage	0.768 %	3.204 %	3.204 %	2.019 %	0.691 %	0.348 %	9.181 %
Concentration RSD	205.3 %	16.5 %	1.732.9 %	16.8 %	272.4 %	139.0 %	267.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0051 ppm	-0.0005 ppm	0.0002 ppm	0.0015 ppm
Concentration per Run	0.0005 ppm	0.0002 ppm	0.0002 ppm	-0.0070 ppm	-0.0006 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run	0.0004 ppm	0.0000 ppm	-0.0001 ppm	-0.0066 ppm	-0.0006 ppm	-0.0002 ppm	0.0016 ppm
Concentration per Run	-0.0033 ppm	-0.0002 ppm	0.0004 ppm	-0.0019 ppm	-0.0002 ppm	0.0002 ppm	0.0028 ppm
Recovery Percentage	-0.815 %	-0.053 %	0.187 %	-0.257 %	-2.009 %	2.268 %	3.010 %
Concentration RSD	267.4 %	3.393.5 %	296.5 %	55.5 %	44.7 %	205.2 %	90.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	-0.0032 ppm	0.0004 ppm	-0.0001 ppm	-0.0014 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0035 ppm	-0.0019 ppm	0.0004 ppm	-0.0002 ppm	-0.0013 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run	0.0006 ppm	-0.0049 ppm	-0.0002 ppm	0.0000 ppm	-0.0011 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	-0.0020 ppm	-0.0029 ppm	0.0011 ppm	0.0000 ppm	-0.0017 ppm	0.0019 ppm	0.0001 ppm
Recovery Percentage	6.680 %	-0.641 %	0.884 %	-0.850 %	-13.725 %	6.180 %	1.269 %
Concentration RSD	412.1 %	48.6 %	149.3 %	158.7 %	22.8 %	47.8 %	169.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0002 ppm	97.0666 %	95.2849 %	95.4203 %	97.5943 %	96.3211 %	95.7582 %
Concentration per Run	-0.0002 ppm	96.8507 %	95.6137 %	95.5316 %	97.4631 %	97.4289 %	95.6545 %
Concentration per Run	0.0001 ppm	97.4671 %	94.3525 %	95.3619 %	97.9249 %	96.2955 %	95.8053 %
Concentration per Run	-0.0004 ppm	96.8819 %	95.8884 %	95.3674 %	97.3948 %	95.2388 %	95.8147 %
Recovery Percentage	-3.089 %						
Concentration RSD	162.5 %	0.4 %	0.9 %	0.1 %	0.3 %	1.1 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-17 WG2112482

Analysis started at: 9/11/2025 7:28:54 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 14

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	1.2834 ppm	0.0014 ppm	0.0043 ppm	0.0184 ppm	0.0000 ppm	117.8032 ppm
Concentration per Run	-0.0007 ppm	1.2945 ppm	0.0023 ppm	0.0050 ppm	0.0184 ppm	0.0000 ppm	118.0365 ppm
Concentration per Run	-0.0001 ppm	1.2806 ppm	0.0016 ppm	0.0041 ppm	0.0185 ppm	0.0000 ppm	117.6647 ppm
Concentration per Run	-0.0011 ppm	1.2751 ppm	0.0005 ppm	0.0038 ppm	0.0182 ppm	0.0001 ppm	117.7082 ppm
Concentration RSD	79.0 %	0.8 %	63.6 %	13.6 %	0.7 %	133.8 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0012 ppm	0.0006 ppm	0.0025 ppm	0.0028 ppm	0.0425 ppm	19.4734 ppm	0.0189 ppm
Concentration per Run	-0.0012 ppm	0.0004 ppm	0.0026 ppm	0.0029 ppm	0.0432 ppm	19.5046 ppm	0.0202 ppm
Concentration per Run	-0.0012 ppm	0.0004 ppm	0.0028 ppm	0.0028 ppm	0.0429 ppm	19.4617 ppm	0.0189 ppm
Concentration per Run	-0.0012 ppm	0.0009 ppm	0.0022 ppm	0.0029 ppm	0.0415 ppm	19.4540 ppm	0.0175 ppm
Concentration RSD	2.6 %	52.4 %	13.1 %	1.5 %	2.1 %	0.1 %	7.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0204 ppm	0.0005 ppm	0.0830 ppm	40.2863 ppm	0.0017 ppm	0.0008 ppm	0.0007 ppm
Concentration per Run	0.0210 ppm	0.0004 ppm	0.0833 ppm	40.1905 ppm	0.0009 ppm	0.0007 ppm	0.0020 ppm
Concentration per Run	0.0188 ppm	0.0005 ppm	0.0831 ppm	40.3326 ppm	0.0020 ppm	0.0018 ppm	-0.0009 ppm
Concentration per Run	0.0215 ppm	0.0006 ppm	0.0826 ppm	40.3356 ppm	0.0021 ppm	0.0000 ppm	0.0012 ppm
Concentration RSD	7.0 %	19.2 %	0.5 %	0.2 %	40.4 %	110.1 %	198.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	3.0942 ppm	-0.0004 ppm	0.1613 ppm	-0.0005 ppm	0.0015 ppm	0.0028 ppm
Concentration per Run	0.0022 ppm	3.0964 ppm	-0.0004 ppm	0.1616 ppm	-0.0004 ppm	0.0016 ppm	0.0030 ppm
Concentration per Run	-0.0006 ppm	3.0789 ppm	-0.0001 ppm	0.1613 ppm	-0.0003 ppm	0.0013 ppm	0.0028 ppm
Concentration per Run	-0.0006 ppm	3.1073 ppm	-0.0006 ppm	0.1609 ppm	-0.0007 ppm	0.0015 ppm	0.0028 ppm
Concentration RSD	454.6 %	0.5 %	66.3 %	0.2 %	41.4 %	9.0 %	4.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0027 ppm	99.5633 %	98.9926 %	95.0147 %	97.1435 %	98.9522 %	95.7269 %
Concentration per Run	0.0027 ppm	99.5217 %	99.0250 %	95.2342 %	97.7978 %	98.3593 %	96.2208 %
Concentration per Run	0.0027 ppm	100.2401 %	99.7792 %	94.6730 %	97.4147 %	99.9859 %	95.4755 %
Concentration per Run	0.0028 ppm	98.9280 %	98.1737 %	95.1368 %	96.2180 %	98.5114 %	95.4846 %
Concentration RSD	2.9 %	0.7 %	0.8 %	0.3 %	0.8 %	0.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-18 WG2112482

Analysis started at: 9/11/2025 7:31:00 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 15

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0102 ppm	0.0004 ppm	0.0030 ppm	0.0007 ppm	0.0000 ppm	1.2608 ppm
Concentration per Run	-0.0004 ppm	0.0087 ppm	-0.0014 ppm	0.0032 ppm	0.0009 ppm	0.0000 ppm	1.2632 ppm
Concentration per Run	-0.0003 ppm	0.0066 ppm	0.0019 ppm	0.0019 ppm	0.0006 ppm	0.0000 ppm	1.2593 ppm
Concentration per Run	0.0001 ppm	0.0151 ppm	0.0007 ppm	0.0038 ppm	0.0005 ppm	0.0000 ppm	1.2599 ppm
Concentration RSD	121.0 %	43.8 %	426.5 %	32.6 %	36.4 %	272.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0007 ppm	0.0079 ppm	5.1976 ppm	0.0033 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	0.0003 ppm	0.0005 ppm	0.0038 ppm	5.2403 ppm	0.0038 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0004 ppm	0.0079 ppm	5.1710 ppm	0.0038 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0003 ppm	0.0003 ppm	0.0081 ppm	5.1816 ppm	0.0025 ppm
Concentration RSD	17.6 %	22.4 %	86.1 %	86.1 %	3.0 %	0.7 %	23.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.6590 ppm	0.0008 ppm	0.0003 ppm	5.3132 ppm	0.0005 ppm	0.0013 ppm	0.0022 ppm
Concentration per Run	0.6527 ppm	0.0009 ppm	0.0004 ppm	5.3436 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run	0.6599 ppm	0.0007 ppm	0.0003 ppm	5.2895 ppm	0.0000 ppm	0.0023 ppm	0.0003 ppm
Concentration per Run	0.6644 ppm	0.0008 ppm	0.0001 ppm	5.3067 ppm	0.0014 ppm	0.0017 ppm	0.0066 ppm
Concentration RSD	0.9 %	10.1 %	59.2 %	0.5 %	160.7 %	103.9 %	171.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	3.4982 ppm	0.0005 ppm	0.0098 ppm	-0.0013 ppm	0.0017 ppm	-0.0001 ppm
Concentration per Run	0.0034 ppm	3.4930 ppm	0.0006 ppm	0.0098 ppm	-0.0016 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	3.4852 ppm	0.0007 ppm	0.0099 ppm	-0.0014 ppm	0.0019 ppm	-0.0001 ppm
Concentration per Run	0.0005 ppm	3.5165 ppm	0.0001 ppm	0.0098 ppm	-0.0010 ppm	0.0010 ppm	-0.0001 ppm
Concentration RSD	137.9 %	0.5 %	65.2 %	0.6 %	23.1 %	33.6 %	27.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0036 ppm	99.7688 %	98.3168 %	98.0293 %	98.3149 %	98.4847 %	96.3599 %
Concentration per Run	0.0036 ppm	100.1020 %	98.5834 %	97.7865 %	98.5731 %	99.5433 %	96.2440 %
Concentration per Run	0.0035 ppm	99.6606 %	97.0773 %	97.9672 %	98.6385 %	96.9797 %	96.2663 %
Concentration per Run	0.0036 ppm	99.5438 %	98.2895 %	98.3343 %	97.7330 %	98.9311 %	96.5694 %
Concentration RSD	1.2 %	0.3 %	0.3 %	0.3 %	0.5 %	1.4 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-19 WG2112482

Analysis started at: 9/11/2025 7:33:06 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 16

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.0483 ppm	0.0014 ppm	0.0099 ppm	0.0067 ppm	0.0000 ppm	1.6855 ppm
Concentration per Run	-0.0008 ppm	0.0386 ppm	0.0001 ppm	0.0106 ppm	0.0068 ppm	0.0000 ppm	1.6896 ppm
Concentration per Run	-0.0007 ppm	0.0468 ppm	0.0019 ppm	0.0101 ppm	0.0067 ppm	0.0001 ppm	1.6808 ppm
Concentration per Run	-0.0009 ppm	0.0595 ppm	0.0022 ppm	0.0091 ppm	0.0068 ppm	0.0000 ppm	1.6862 ppm
Concentration RSD	12.2 %	21.8 %	79.2 %	7.5 %	0.6 %	40.0 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.1329 ppm	0.9066 ppm	-0.0007 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	-0.0007 ppm	0.0003 ppm	0.1303 ppm	0.9467 ppm	-0.0025 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0002 ppm	-0.0003 ppm	0.1325 ppm	0.8890 ppm	-0.0015 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	0.0004 ppm	0.0002 ppm	0.1358 ppm	0.8842 ppm	0.0019 ppm
Concentration RSD	186.2 %	42.4 %	3.136.7 %	555.3 %	2.1 %	3.8 %	313.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4928 ppm	0.0095 ppm	0.0001 ppm	5.2670 ppm	-0.0001 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run	0.4907 ppm	0.0097 ppm	0.0003 ppm	5.2966 ppm	0.0003 ppm	-0.0008 ppm	0.0017 ppm
Concentration per Run	0.4935 ppm	0.0095 ppm	0.0000 ppm	5.2506 ppm	-0.0003 ppm	0.0002 ppm	0.0011 ppm
Concentration per Run	0.4942 ppm	0.0094 ppm	-0.0001 ppm	5.2539 ppm	-0.0002 ppm	0.0010 ppm	0.0030 ppm
Concentration RSD	0.4 %	1.7 %	240.7 %	0.5 %	515.6 %	715.9 %	49.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0005 ppm	1.1208 ppm	0.0003 ppm	0.0080 ppm	0.0007 ppm	0.0013 ppm	0.0003 ppm
Concentration per Run	0.0019 ppm	1.1150 ppm	0.0007 ppm	0.0082 ppm	0.0007 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run	-0.0002 ppm	1.1193 ppm	0.0004 ppm	0.0081 ppm	0.0008 ppm	0.0016 ppm	0.0003 ppm
Concentration per Run	-0.0002 ppm	1.1280 ppm	0.0000 ppm	0.0079 ppm	0.0007 ppm	0.0015 ppm	0.0005 ppm
Concentration RSD	237.5 %	0.6 %	103.3 %	1.7 %	8.7 %	36.9 %	53.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	102.1953 %	99.4146 %	99.9595 %	101.0489 %	99.0497 %	98.3159 %
Concentration per Run	0.0008 ppm	102.4845 %	99.2686 %	100.2503 %	101.4792 %	99.9047 %	98.8097 %
Concentration per Run	0.0011 ppm	101.9300 %	99.9085 %	99.9663 %	100.4727 %	99.4657 %	97.9820 %
Concentration per Run	0.0010 ppm	102.1715 %	99.0668 %	99.6619 %	101.1949 %	97.7787 %	98.1561 %
Concentration RSD	12.2 %	0.3 %	0.4 %	0.3 %	0.5 %	1.1 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-04 WG2112482

Analysis started at: 9/11/2025 7:35:12 PM

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Rack Number 2

Vial Numbers 54

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0555 ppm	0.0011 ppm	0.0102 ppm	0.0069 ppm	0.0000 ppm	1.7314 ppm
Concentration per Run	-0.0003 ppm	0.0578 ppm	0.0013 ppm	0.0123 ppm	0.0069 ppm	0.0000 ppm	1.7332 ppm
Concentration per Run	-0.0003 ppm	0.0537 ppm	0.0008 ppm	0.0082 ppm	0.0071 ppm	0.0001 ppm	1.7297 ppm
Concentration per Run	-0.0004 ppm	0.0550 ppm	0.0013 ppm	0.0103 ppm	0.0068 ppm	0.0000 ppm	1.7312 ppm
Concentration RSD	14.5 %	3.8 %	26.0 %	20.0 %	2.5 %	124.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0004 ppm	0.1151 ppm	0.9281 ppm	-0.0009 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.1227 ppm	0.9192 ppm	-0.0014 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0007 ppm	0.0008 ppm	0.1115 ppm	0.9427 ppm	-0.0015 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0006 ppm	0.1111 ppm	0.9224 ppm	0.0001 ppm
Concentration RSD	105.2 %	45.6 %	100.2 %	109.9 %	5.7 %	1.4 %	97.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5008 ppm	0.0101 ppm	0.0001 ppm	5.4436 ppm	-0.0006 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run	0.4974 ppm	0.0102 ppm	0.0000 ppm	5.4378 ppm	-0.0005 ppm	-0.0006 ppm	0.0026 ppm
Concentration per Run	0.5065 ppm	0.0102 ppm	0.0000 ppm	5.4459 ppm	-0.0008 ppm	0.0003 ppm	0.0027 ppm
Concentration per Run	0.4984 ppm	0.0100 ppm	0.0003 ppm	5.4470 ppm	-0.0004 ppm	0.0014 ppm	-0.0033 ppm
Concentration RSD	1.0 %	1.4 %	159.1 %	0.1 %	31.3 %	285.1 %	520.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	1.1640 ppm	0.0008 ppm	0.0083 ppm	0.0037 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	-0.0033 ppm	1.1585 ppm	0.0020 ppm	0.0083 ppm	0.0020 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run	0.0029 ppm	1.1624 ppm	0.0001 ppm	0.0082 ppm	0.0005 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0006 ppm	1.1711 ppm	0.0004 ppm	0.0083 ppm	0.0105 ppm	0.0007 ppm	-0.0001 ppm
Concentration RSD	4,426.4 %	0.6 %	121.2 %	0.4 %	155.7 %	44.5 %	470.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0052 ppm	100.3340 %	97.1655 %	98.3475 %	99.1712 %	97.5294 %	96.6219 %
Concentration per Run	0.0052 ppm	100.6279 %	97.8316 %	98.8757 %	99.6033 %	98.1546 %	97.0716 %
Concentration per Run	0.0052 ppm	99.5608 %	98.5591 %	98.5359 %	98.2747 %	96.7645 %	96.6937 %
Concentration per Run	0.0053 ppm	100.8132 %	97.1057 %	97.6311 %	99.6356 %	97.6692 %	96.1003 %
Concentration RSD	1.8 %	0.7 %	0.7 %	0.7 %	0.8 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-7 WG2112482

Analysis started at: 9/11/2025 7:37:18 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 55

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0552 ppm	2.1573 ppm	0.1246 ppm	0.9804 ppm	2.0260 ppm	0.0524 ppm	11.9307 ppm
Concentration per Run	0.0552 ppm	2.1729 ppm	0.1241 ppm	0.9775 ppm	2.0246 ppm	0.0522 ppm	11.9222 ppm
Concentration per Run	0.0554 ppm	2.1490 ppm	0.1242 ppm	0.9868 ppm	2.0243 ppm	0.0525 ppm	11.9045 ppm
Concentration per Run	0.0551 ppm	2.1498 ppm	0.1255 ppm	0.9770 ppm	2.0290 ppm	0.0525 ppm	11.9653 ppm
Concentration RSD	0.2 %	0.6 %	0.6 %	0.6 %	0.1 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0547 ppm	0.5031 ppm	0.2062 ppm	0.2617 ppm	1.1317 ppm	11.4118 ppm	-0.0020 ppm
Concentration per Run	0.0544 ppm	0.5024 ppm	0.2061 ppm	0.2606 ppm	1.1331 ppm	11.4121 ppm	-0.0021 ppm
Concentration per Run	0.0551 ppm	0.5039 ppm	0.2073 ppm	0.2635 ppm	1.1266 ppm	11.4082 ppm	-0.0016 ppm
Concentration per Run	0.0544 ppm	0.5029 ppm	0.2051 ppm	0.2609 ppm	1.1355 ppm	11.4150 ppm	-0.0022 ppm
Concentration RSD	0.7 %	0.2 %	0.5 %	0.6 %	0.4 %	0.0 %	18.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.0320 ppm	0.5160 ppm	0.9831 ppm	15.6170 ppm	0.5118 ppm	0.5466 ppm	0.5164 ppm
Concentration per Run	10.9750 ppm	0.5167 ppm	0.9800 ppm	15.6479 ppm	0.5104 ppm	0.5472 ppm	0.5181 ppm
Concentration per Run	11.0795 ppm	0.5161 ppm	0.9870 ppm	15.6324 ppm	0.5133 ppm	0.5475 ppm	0.5140 ppm
Concentration per Run	11.0414 ppm	0.5152 ppm	0.9823 ppm	15.5707 ppm	0.5118 ppm	0.5451 ppm	0.5173 ppm
Concentration RSD	0.5 %	0.1 %	0.4 %	0.3 %	0.3 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1223 ppm	2.3023 ppm	0.9782 ppm	1.0059 ppm	1.0289 ppm	0.1209 ppm	0.5351 ppm
Concentration per Run	0.1220 ppm	2.2929 ppm	0.9782 ppm	1.0032 ppm	1.0282 ppm	0.1206 ppm	0.5337 ppm
Concentration per Run	0.1237 ppm	2.3104 ppm	0.9779 ppm	1.0056 ppm	1.0293 ppm	0.1219 ppm	0.5375 ppm
Concentration per Run	0.1212 ppm	2.3035 ppm	0.9786 ppm	1.0089 ppm	1.0291 ppm	0.1202 ppm	0.5342 ppm
Concentration RSD	1.0 %	0.4 %	0.0 %	0.3 %	0.1 %	0.7 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4948 ppm	100.1644 %	98.4660 %	96.8009 %	98.6439 %	98.5234 %	95.9502 %
Concentration per Run	0.4941 ppm	100.6364 %	99.1160 %	96.8446 %	98.9404 %	100.1817 %	95.9391 %
Concentration per Run	0.4968 ppm	99.2853 %	96.9944 %	96.9944 %	97.8607 %	98.5120 %	95.9958 %
Concentration per Run	0.4934 ppm	100.5716 %	97.9078 %	96.5636 %	99.1307 %	96.8766 %	95.9156 %
Concentration RSD	0.4 %	0.8 %	0.6 %	0.2 %	0.7 %	1.7 %	0.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-8 WG2112482

Analysis started at: 9/11/2025 7:39:24 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 56

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0585 ppm	-0.0001 ppm	0.0123 ppm	0.0073 ppm	0.0001 ppm	1.7968 ppm
Concentration per Run	-0.0008 ppm	0.0624 ppm	0.0007 ppm	0.0137 ppm	0.0072 ppm	0.0001 ppm	1.7928 ppm
Concentration per Run	-0.0007 ppm	0.0566 ppm	-0.0020 ppm	0.0119 ppm	0.0073 ppm	0.0000 ppm	1.7935 ppm
Concentration per Run	0.0000 ppm	0.0585 ppm	0.0010 ppm	0.0113 ppm	0.0075 ppm	0.0000 ppm	1.8041 ppm
Concentration RSD	85.0 %	5.7 %	2.2912 %	10.1 %	1.9 %	44.1 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0007 ppm	0.1393 ppm	0.9592 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0009 ppm	-0.0001 ppm	0.0006 ppm	0.1388 ppm	0.9622 ppm	-0.0006 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0007 ppm	0.1398 ppm	0.9699 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0008 ppm	0.1394 ppm	0.9455 ppm	0.0003 ppm
Concentration RSD	18.1 %	25.0 %	131.5 %	9.2 %	0.3 %	1.3 %	356.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5228 ppm	0.0106 ppm	0.0005 ppm	5.6286 ppm	-0.0002 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.5225 ppm	0.0107 ppm	0.0003 ppm	5.6545 ppm	-0.0011 ppm	0.0002 ppm	-0.0004 ppm
Concentration per Run	0.5211 ppm	0.0109 ppm	0.0009 ppm	5.6353 ppm	0.0005 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run	0.5247 ppm	0.0104 ppm	0.0001 ppm	5.5959 ppm	0.0000 ppm	0.0017 ppm	-0.0002 ppm
Concentration RSD	0.3 %	2.5 %	85.1 %	0.5 %	358.2 %	73.6 %	713.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	1.2001 ppm	0.0012 ppm	0.0085 ppm	0.0007 ppm	0.0018 ppm	-0.0001 ppm
Concentration per Run	0.0034 ppm	1.1991 ppm	0.0012 ppm	0.0086 ppm	0.0007 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	0.0038 ppm	1.1997 ppm	0.0010 ppm	0.0086 ppm	0.0008 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run	0.0010 ppm	1.2016 ppm	0.0013 ppm	0.0085 ppm	0.0005 ppm	0.0019 ppm	-0.0003 ppm
Concentration RSD	55.1 %	0.1 %	12.4 %	0.9 %	23.3 %	22.1 %	147.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	99.5169 %	96.8194 %	97.3329 %	98.3346 %	97.2796 %	95.6614 %
Concentration per Run	0.0011 ppm	99.9487 %	97.0133 %	97.2927 %	98.8918 %	98.0972 %	95.6627 %
Concentration per Run	0.0008 ppm	99.4524 %	96.2641 %	97.6340 %	97.8886 %	96.8742 %	95.8376 %
Concentration per Run	0.0011 ppm	99.1495 %	97.1808 %	97.0719 %	98.2234 %	96.8673 %	95.4838 %
Concentration RSD	20.9 %	0.4 %	0.5 %	0.3 %	0.5 %	0.7 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-9 WG2112482

Analysis started at: 9/11/2025 7:41:30 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 57

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0473 ppm	1.9957 ppm	0.1138 ppm	0.9348 ppm	1.8756 ppm	0.0484 ppm	11.4799 ppm
Concentration per Run	0.0479 ppm	2.0046 ppm	0.1167 ppm	0.9369 ppm	1.8763 ppm	0.0486 ppm	11.5139 ppm
Concentration per Run	0.0468 ppm	1.9861 ppm	0.1107 ppm	0.9350 ppm	1.8735 ppm	0.0481 ppm	11.4122 ppm
Concentration per Run	0.0473 ppm	1.9965 ppm	0.1139 ppm	0.9324 ppm	1.8772 ppm	0.0485 ppm	11.5136 ppm
Concentration RSD	1.2 %	0.5 %	2.7 %	0.2 %	0.1 %	0.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0511 ppm	0.4697 ppm	0.1920 ppm	0.2438 ppm	1.0604 ppm	10.7499 ppm	-0.0008 ppm
Concentration per Run	0.0515 ppm	0.4708 ppm	0.1929 ppm	0.2451 ppm	1.0639 ppm	10.7787 ppm	-0.0018 ppm
Concentration per Run	0.0508 ppm	0.4700 ppm	0.1918 ppm	0.2441 ppm	1.0583 ppm	10.6967 ppm	0.0015 ppm
Concentration per Run	0.0509 ppm	0.4683 ppm	0.1912 ppm	0.2422 ppm	1.0591 ppm	10.7743 ppm	-0.0020 ppm
Concentration RSD	0.7 %	0.3 %	0.5 %	0.6 %	0.3 %	0.4 %	260.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.4973 ppm	0.4791 ppm	0.9312 ppm	14.8484 ppm	0.4776 ppm	0.5131 ppm	0.4774 ppm
Concentration per Run	10.5800 ppm	0.4810 ppm	0.9356 ppm	14.9069 ppm	0.4780 ppm	0.5111 ppm	0.4815 ppm
Concentration per Run	10.4866 ppm	0.4782 ppm	0.9319 ppm	14.8632 ppm	0.4775 ppm	0.5155 ppm	0.4809 ppm
Concentration per Run	10.4254 ppm	0.4781 ppm	0.9261 ppm	14.7750 ppm	0.4772 ppm	0.5128 ppm	0.4699 ppm
Concentration RSD	0.7 %	0.3 %	0.5 %	0.5 %	0.1 %	0.4 %	1.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1120 ppm	1.9009 ppm	0.9371 ppm	0.9506 ppm	0.9728 ppm	0.1127 ppm	0.4980 ppm
Concentration per Run	0.1121 ppm	1.9148 ppm	0.9357 ppm	0.9517 ppm	0.9818 ppm	0.1132 ppm	0.5001 ppm
Concentration per Run	0.1148 ppm	1.9035 ppm	0.9342 ppm	0.9490 ppm	0.9732 ppm	0.1127 ppm	0.4979 ppm
Concentration per Run	0.1089 ppm	1.8845 ppm	0.9413 ppm	0.9510 ppm	0.9635 ppm	0.1121 ppm	0.4958 ppm
Concentration RSD	2.6 %	0.8 %	0.4 %	0.1 %	0.9 %	0.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4645 ppm	99.4802 %	97.2345 %	95.7032 %	98.3145 %	96.5355 %	94.9749 %
Concentration per Run	0.4656 ppm	99.4727 %	96.6558 %	95.3134 %	98.8741 %	96.6380 %	94.3474 %
Concentration per Run	0.4645 ppm	99.3879 %	97.5670 %	95.2416 %	98.2599 %	97.6722 %	94.7414 %
Concentration per Run	0.4634 ppm	99.5800 %	97.4809 %	96.5545 %	97.8096 %	95.2964 %	95.8358 %
Concentration RSD	0.2 %	0.1 %	0.5 %	0.8 %	0.5 %	1.2 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-10d5 WG2112482

Analysis started at: 9/11/2025 7:43:37 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 58

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0106 ppm	0.0004 ppm	0.0040 ppm	0.0011 ppm	0.0000 ppm	0.3244 ppm
Concentration per Run	-0.0003 ppm	0.0132 ppm	0.0014 ppm	0.0027 ppm	0.0012 ppm	0.0000 ppm	0.3201 ppm
Concentration per Run	-0.0008 ppm	0.0076 ppm	-0.0006 ppm	0.0054 ppm	0.0011 ppm	0.0000 ppm	0.3253 ppm
Concentration per Run	-0.0002 ppm	0.0110 ppm	0.0006 ppm	0.0039 ppm	0.0010 ppm	0.0000 ppm	0.3277 ppm
Concentration RSD	78.5 %	26.7 %	233.9 %	33.7 %	7.5 %	217.9 %	1.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	0.0222 ppm	0.1925 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0003 ppm	-0.0001 ppm	0.0208 ppm	0.1870 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0005 ppm	0.0221 ppm	0.2142 ppm	0.0014 ppm
Concentration per Run	0.0001 ppm	0.0009 ppm	-0.0002 ppm	0.0008 ppm	0.0238 ppm	0.1762 ppm	-0.0009 ppm
Concentration RSD	21.9 %	40.1 %	1.275.4 %	106.4 %	6.7 %	10.2 %	2.083.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0965 ppm	0.0018 ppm	0.0003 ppm	1.0108 ppm	-0.0006 ppm	0.0003 ppm	0.0019 ppm
Concentration per Run	0.0970 ppm	0.0020 ppm	0.0007 ppm	1.0167 ppm	-0.0010 ppm	0.0004 ppm	0.0041 ppm
Concentration per Run	0.0931 ppm	0.0018 ppm	0.0000 ppm	1.0046 ppm	-0.0003 ppm	0.0006 ppm	0.0021 ppm
Concentration per Run	0.0993 ppm	0.0018 ppm	0.0002 ppm	1.0110 ppm	-0.0006 ppm	-0.0001 ppm	-0.0006 ppm
Concentration RSD	3.2 %	5.6 %	113.8 %	0.6 %	56.0 %	104.8 %	125.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	0.2191 ppm	0.0019 ppm	0.0015 ppm	-0.0012 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	-0.0011 ppm	0.2203 ppm	0.0022 ppm	0.0015 ppm	-0.0014 ppm	0.0024 ppm	-0.0003 ppm
Concentration per Run	0.0029 ppm	0.2205 ppm	0.0020 ppm	0.0015 ppm	-0.0010 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	0.2165 ppm	0.0014 ppm	0.0016 ppm	-0.0011 ppm	0.0017 ppm	-0.0001 ppm
Concentration RSD	232.2 %	1.0 %	23.1 %	4.8 %	13.8 %	62.6 %	140.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0013 ppm	99.1027 %	96.7255 %	97.3133 %	98.6146 %	98.0570 %	96.1400 %
Concentration per Run	0.0018 ppm	99.0195 %	97.3514 %	97.5485 %	98.6194 %	99.8065 %	96.5152 %
Concentration per Run	0.0014 ppm	98.7828 %	96.5863 %	97.3445 %	98.1984 %	97.2136 %	95.8498 %
Concentration per Run	0.0008 ppm	99.5060 %	96.2389 %	97.0468 %	99.0260 %	97.1508 %	96.0550 %
Concentration RSD	37.5 %	0.4 %	0.6 %	0.3 %	0.4 %	1.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556120-01 WG2112482

Analysis started at: 9/11/2025 7:45:43 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 59

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.9120 ppm	0.0042 ppm	0.0127 ppm	0.0445 ppm	0.0001 ppm	8.0015 ppm
Concentration per Run	-0.0003 ppm	0.9157 ppm	0.0038 ppm	0.0117 ppm	0.0447 ppm	0.0001 ppm	8.0150 ppm
Concentration per Run	-0.0002 ppm	0.9098 ppm	0.0038 ppm	0.0123 ppm	0.0446 ppm	0.0002 ppm	7.9894 ppm
Concentration per Run	-0.0001 ppm	0.9104 ppm	0.0051 ppm	0.0142 ppm	0.0443 ppm	0.0001 ppm	8.0001 ppm
Concentration RSD	44.0 %	0.4 %	17.4 %	10.3 %	0.5 %	43.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0014 ppm	0.0049 ppm	0.0750 ppm	2.6672 ppm	2.5522 ppm	0.0065 ppm
Concentration per Run	0.0002 ppm	0.0016 ppm	0.0049 ppm	0.0756 ppm	2.6676 ppm	2.5476 ppm	0.0076 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	0.0045 ppm	0.0747 ppm	2.6606 ppm	2.5653 ppm	0.0070 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	0.0053 ppm	0.0746 ppm	2.6735 ppm	2.5455 ppm	0.0049 ppm
Concentration RSD	8.4 %	11.7 %	8.4 %	0.7 %	0.2 %	0.4 %	22.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.9605 ppm	0.1666 ppm	0.0051 ppm	53.9185 ppm	0.0038 ppm	0.0093 ppm	0.0023 ppm
Concentration per Run	0.9590 ppm	0.1670 ppm	0.0051 ppm	53.8236 ppm	0.0039 ppm	0.0085 ppm	0.0038 ppm
Concentration per Run	0.9648 ppm	0.1667 ppm	0.0052 ppm	54.1566 ppm	0.0042 ppm	0.0094 ppm	0.0043 ppm
Concentration per Run	0.9579 ppm	0.1660 ppm	0.0050 ppm	53.7753 ppm	0.0033 ppm	0.0100 ppm	0.0006 ppm
Concentration RSD	0.4 %	0.3 %	2.3 %	0.4 %	11.7 %	8.1 %	68.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	3.1478 ppm	0.0023 ppm	0.0396 ppm	0.0428 ppm	0.0021 ppm	0.0023 ppm
Concentration per Run	0.0050 ppm	3.1422 ppm	0.0029 ppm	0.0396 ppm	0.0432 ppm	0.0011 ppm	0.0024 ppm
Concentration per Run	0.0025 ppm	3.1582 ppm	0.0014 ppm	0.0397 ppm	0.0425 ppm	0.0024 ppm	0.0021 ppm
Concentration per Run	0.0014 ppm	3.1430 ppm	0.0026 ppm	0.0396 ppm	0.0426 ppm	0.0027 ppm	0.0022 ppm
Concentration RSD	63.3 %	0.3 %	33.3 %	0.1 %	0.9 %	39.6 %	8.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1457 ppm	100.3742 %	98.3320 %	97.4060 %	98.8211 %	97.6252 %	97.0794 %
Concentration per Run	0.1451 ppm	100.8318 %	98.0095 %	97.0845 %	99.3089 %	97.5451 %	96.8433 %
Concentration per Run	0.1465 ppm	99.8289 %	97.1580 %	97.2685 %	98.5240 %	98.2367 %	97.0504 %
Concentration per Run	0.1455 ppm	100.4619 %	98.8283 %	97.8651 %	98.6303 %	97.0938 %	97.3445 %
Concentration RSD	0.5 %	0.5 %	0.4 %	0.4 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-01 WG2112482

Analysis started at: 9/11/2025 7:47:49 PM

Comment <Comment>

Rack Number 2

Vial Numbers 60

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.1951 ppm	0.5280 ppm	0.0043 ppm	0.0112 ppm	0.0154 ppm	0.0000 ppm	7.3239 ppm
Concentration per Run	0.1954 ppm	0.5277 ppm	0.0039 ppm	0.0108 ppm	0.0154 ppm	0.0000 ppm	7.3470 ppm
Concentration per Run	0.1952 ppm	0.5316 ppm	0.0033 ppm	0.0112 ppm	0.0153 ppm	0.0000 ppm	7.3341 ppm
Concentration per Run	0.1947 ppm	0.5247 ppm	0.0057 ppm	0.0116 ppm	0.0154 ppm	0.0000 ppm	7.2907 ppm
Concentration RSD	0.2 %	0.7 %	29.9 %	3.5 %	0.4 %	67.0 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0009 ppm	0.0411 ppm	0.0154 ppm	3.0393 ppm	2.7226 ppm	0.0011 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0413 ppm	0.0154 ppm	3.0645 ppm	2.7074 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	0.0012 ppm	0.0408 ppm	0.0155 ppm	3.0341 ppm	2.7500 ppm	0.0039 ppm
Concentration per Run	0.0002 ppm	0.0010 ppm	0.0414 ppm	0.0155 ppm	3.0194 ppm	2.7105 ppm	-0.0010 ppm
Concentration RSD	77.0 %	44.0 %	0.8 %	0.4 %	0.8 %	0.9 %	238.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.0698 ppm	0.0135 ppm	0.0025 ppm	339.2089 ppm	0.0061 ppm	0.0020 ppm	0.0018 ppm
Concentration per Run	3.0734 ppm	0.0135 ppm	0.0027 ppm	337.3034 ppm	0.0062 ppm	0.0012 ppm	0.0068 ppm
Concentration per Run	3.0820 ppm	0.0132 ppm	0.0024 ppm	337.4579 ppm	0.0057 ppm	0.0025 ppm	-0.0013 ppm
Concentration per Run	3.0539 ppm	0.0137 ppm	0.0025 ppm	342.8656 ppm	0.0066 ppm	0.0023 ppm	0.0002 ppm
Concentration RSD	0.5 %	1.9 %	6.5 %	0.9 %	7.4 %	34.7 %	229.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0011 ppm	29.7934 [SIC 100]	0.0007 ppm	0.0354 ppm	0.0832 ppm	0.0012 ppm	0.0020 ppm
Concentration per Run	0.0040 ppm	29.8658 ppm	0.0002 ppm	0.0353 ppm	0.0830 ppm	0.0003 ppm	0.0018 ppm
Concentration per Run	-0.0001 ppm	29.8310 ppm	0.0012 ppm	0.0356 ppm	0.0838 ppm	0.0016 ppm	0.0021 ppm
Concentration per Run	-0.0007 ppm	29.6834 ppm	0.0007 ppm	0.0352 ppm	0.0828 ppm	0.0017 ppm	0.0021 ppm
Concentration RSD	241.3 %	0.3 %	67.0 %	0.5 %	0.7 %	63.8 %	9.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0210 ppm	95.0665 %	95.7745 %	89.7838 %	93.3978 %	95.4493 %	92.8829 %
Concentration per Run	0.0207 ppm	93.9632 %	96.5256 %	89.7922 %	92.6105 %	95.3718 %	92.8941 %
Concentration per Run	0.0212 ppm	95.0286 %	95.2424 %	89.8174 %	93.1882 %	93.6856 %	93.2041 %
Concentration per Run	0.0211 ppm	96.2076 %	95.5556 %	89.7419 %	94.3947 %	97.2905 %	92.5505 %
Concentration RSD	1.2 %	1.2 %	0.7 %	0.0 %	1.0 %	1.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:49:55 PM

Analysis started at:

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Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5054 ppm	0.4882 ppm	0.4894 ppm	0.4742 ppm	0.4948 ppm	0.5104 ppm	0.4919 ppm
Concentration per Run	0.5068 ppm	0.4846 ppm	0.4898 ppm	0.4741 ppm	0.4946 ppm	0.5090 ppm	0.4890 ppm
Concentration per Run	0.5055 ppm	0.4942 ppm	0.4898 ppm	0.4751 ppm	0.4958 ppm	0.5091 ppm	0.4953 ppm
Concentration per Run	0.5040 ppm	0.4858 ppm	0.4887 ppm	0.4735 ppm	0.4940 ppm	0.5129 ppm	0.4914 ppm
Recovery Percentage	101.086 %	97.647 %	97.888 %	94.850 %	98.962 %	102.073 %	98.378 %
Concentration RSD	0.3 %	1.1 %	0.1 %	0.2 %	0.2 %	0.4 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5085 ppm	0.5059 ppm	0.5095 ppm	0.5243 ppm	0.5054 ppm	5.2406 ppm	0.5184 ppm
Concentration per Run	0.5107 ppm	0.5066 ppm	0.5117 ppm	0.5268 ppm	0.5037 ppm	5.2533 ppm	0.5181 ppm
Concentration per Run	0.5083 ppm	0.5088 ppm	0.5089 ppm	0.5235 ppm	0.5044 ppm	5.2886 ppm	0.5112 ppm
Concentration per Run	0.5066 ppm	0.5043 ppm	0.5080 ppm	0.5226 ppm	0.5080 ppm	5.1799 ppm	0.5259 ppm
Recovery Percentage	101.709 %	101.180 %	101.909 %	104.857 %	101.073 %	104.812 %	103.673 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.4 %	0.5 %	1.1 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5226 ppm	0.5026 ppm	0.4819 ppm	10.1627 ppm	0.5105 ppm	0.5120 ppm	0.5093 ppm
Concentration per Run	0.5266 ppm	0.5033 ppm	0.4836 ppm	10.1410 ppm	0.5103 ppm	0.5102 ppm	0.5135 ppm
Concentration per Run	0.5211 ppm	0.5031 ppm	0.4818 ppm	10.2132 ppm	0.5118 ppm	0.5148 ppm	0.5092 ppm
Concentration per Run	0.5200 ppm	0.5014 ppm	0.4803 ppm	10.1341 ppm	0.5094 ppm	0.5110 ppm	0.5052 ppm
Recovery Percentage	104.514 %	100.517 %	96.386 %	101.627 %	102.098 %	102.399 %	101.860 %
Concentration RSD	0.7 %	0.2 %	0.3 %	0.4 %	0.2 %	0.5 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4807 ppm	5.4247 ppm	0.4914 ppm	0.5073 ppm	0.5090 ppm	0.4919 ppm	0.5159 ppm
Concentration per Run	0.4783 ppm	5.4368 ppm	0.4898 ppm	0.5062 ppm	0.5130 ppm	0.4960 ppm	0.5176 ppm
Concentration per Run	0.4789 ppm	5.4288 ppm	0.4904 ppm	0.5080 ppm	0.5085 ppm	0.4889 ppm	0.5153 ppm
Concentration per Run	0.4849 ppm	5.4086 ppm	0.4938 ppm	0.5077 ppm	0.5056 ppm	0.4908 ppm	0.5148 ppm
Recovery Percentage	96.141 %	103.328 %	98.271 %	101.454 %	101.806 %	98.377 %	103.179 %
Concentration RSD	0.8 %	0.3 %	0.4 %	0.2 %	0.7 %	0.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4802 ppm	97.4537 %	95.7081 %	95.3579 %	95.8510 %	95.2660 %	94.2303 %
Concentration per Run	0.4812 ppm	97.8944 %	96.7393 %	94.4419 %	96.4629 %	96.7645 %	93.1905 %
Concentration per Run	0.4808 ppm	97.4950 %	96.0441 %	96.1859 %	95.5254 %	95.1797 %	95.1797 %
Concentration per Run	0.4787 ppm	96.9717 %	95.3409 %	95.4460 %	95.5645 %	93.4588 %	94.3208 %
Recovery Percentage	96.045 %						
Concentration RSD	0.3 %	0.5 %	0.9 %	0.9 %	0.6 %	1.8 %	1.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:52:02 PM

Analysis started at:

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Rack Number 0

Vial Numbers 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0021 ppm	0.0005 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	-0.0068 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	0.0004 ppm	0.0023 ppm	0.0001 ppm	0.0000 ppm	-0.0090 ppm
Concentration per Run	-0.0002 ppm	0.0031 ppm	0.0013 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm	-0.0051 ppm
Concentration per Run	-0.0006 ppm	0.0031 ppm	-0.0003 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	-0.0062 ppm
Recovery Percentage	-7.292 %	2.113 %	9.439 %	3.084 %	-1.302 %	0.309 %	-6.754 %
Concentration RSD	46.5 %	83.2 %	167.0 %	130.3 %	156.4 %	121.0 %	29.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0009 ppm	0.0009 ppm	0.0000 ppm	0.0006 ppm	0.0369 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0008 ppm	-0.0004 ppm	0.0005 ppm	0.0274 ppm	0.0008 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm	0.0655 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0013 ppm	0.0003 ppm	0.0002 ppm	0.0007 ppm	0.0177 ppm	0.0014 ppm
Recovery Percentage	0.610 %	4.429 %	0.215 %	0.196 %	1.157 %	1.476 %	14.216 %
Concentration RSD	261.9 %	47.0 %	1,874.1 %	1,135.7 %	20.9 %	68.4 %	105.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0018 ppm	-0.0001 ppm	0.0004 ppm	0.0180 ppm	-0.0006 ppm	0.0014 ppm	-0.0009 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	0.0006 ppm	0.0171 ppm	-0.0010 ppm	0.0011 ppm	-0.0005 ppm
Concentration per Run	-0.0015 ppm	-0.0003 ppm	0.0004 ppm	0.0172 ppm	-0.0003 ppm	0.0017 ppm	-0.0007 ppm
Concentration per Run	-0.0020 ppm	0.0001 ppm	0.0002 ppm	0.0197 ppm	-0.0005 ppm	0.0014 ppm	-0.0015 ppm
Recovery Percentage	-1.810 %	-0.606 %	0.757 %	0.902 %	-2.328 %	14.007 %	-1.815 %
Concentration RSD	16.0 %	294.3 %	46.6 %	8.2 %	62.7 %	24.7 %	58.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	-0.0023 ppm	0.0007 ppm	-0.0001 ppm	-0.0012 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	0.0024 ppm	-0.0026 ppm	-0.0005 ppm	-0.0001 ppm	-0.0008 ppm	0.0022 ppm	-0.0001 ppm
Concentration per Run	0.0004 ppm	-0.0013 ppm	0.0024 ppm	-0.0001 ppm	-0.0014 ppm	0.0019 ppm	-0.0002 ppm
Concentration per Run	-0.0044 ppm	-0.0030 ppm	0.0002 ppm	0.0000 ppm	-0.0014 ppm	0.0022 ppm	0.0000 ppm
Recovery Percentage	-5.300 %	-0.461 %	1.433 %	-0.859 %	-12.172 %	10.536 %	-0.766 %
Concentration RSD	665.0 %	39.0 %	209.7 %	60.8 %	27.5 %	7.7 %	100.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	96.5929 %	94.9498 %	95.0353 %	97.8364 %	97.3247 %	95.3261 %
Concentration per Run	0.0000 ppm	96.8638 %	95.2386 %	96.0205 %	98.0048 %	96.1952 %	96.2331 %
Concentration per Run	0.0003 ppm	96.5965 %	95.0564 %	94.2339 %	98.1940 %	98.2888 %	94.4386 %
Concentration per Run	0.0000 ppm	96.3183 %	94.5543 %	94.8514 %	97.3102 %	97.4899 %	95.3067 %
Recovery Percentage	2.345 %	0.3 %	0.4 %	1.0 %	0.5 %	1.1 %	0.9 %
Concentration RSD	157.2 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-02 WG2112482

Analysis started at: 9/11/2025 7:54:42 PM

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Rack Number 3

Vial Numbers 1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0085 ppm	0.0027 ppm	0.0098 ppm	0.0924 ppm	0.0000 ppm	20.5515 ppm
Concentration per Run	-0.0001 ppm	0.0161 ppm	0.0016 ppm	0.0091 ppm	0.0923 ppm	0.0001 ppm	20.4775 ppm
Concentration per Run	0.0000 ppm	0.0030 ppm	0.0039 ppm	0.0101 ppm	0.0922 ppm	0.0000 ppm	20.5976 ppm
Concentration per Run	-0.0003 ppm	0.0066 ppm	0.0027 ppm	0.0101 ppm	0.0928 ppm	0.0000 ppm	20.5794 ppm
Concentration RSD	138.2 %	79.4 %	43.7 %	6.0 %	0.3 %	265.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0021 ppm	0.0004 ppm	0.0036 ppm	13.9171 ppm	2.7920 ppm	0.0007 ppm
Concentration per Run	-0.0001 ppm	0.0027 ppm	-0.0002 ppm	0.0034 ppm	13.8105 ppm	2.7969 ppm	0.0022 ppm
Concentration per Run	-0.0002 ppm	0.0019 ppm	0.0007 ppm	0.0034 ppm	13.9734 ppm	2.7846 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0017 ppm	0.0006 ppm	0.0038 ppm	13.9675 ppm	2.7946 ppm	-0.0010 ppm
Concentration RSD	61.7 %	25.1 %	141.8 %	5.5 %	0.7 %	0.2 %	223.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.9649 ppm	1.5348 ppm	0.0001 ppm	33.9162 ppm	0.0016 ppm	0.0000 ppm	0.0039 ppm
Concentration per Run	6.9501 ppm	1.5281 ppm	0.0002 ppm	33.6877 ppm	0.0016 ppm	0.0002 ppm	0.0051 ppm
Concentration per Run	6.9814 ppm	1.5392 ppm	0.0004 ppm	33.9043 ppm	0.0021 ppm	0.0002 ppm	0.0056 ppm
Concentration per Run	6.9632 ppm	1.5372 ppm	-0.0004 ppm	34.1567 ppm	0.0012 ppm	-0.0003 ppm	0.0009 ppm
Concentration RSD	0.2 %	0.4 %	480.0 %	0.7 %	26.8 %	2,061.7 %	65.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	2.9752 ppm	-0.0005 ppm	0.0613 ppm	-0.0010 ppm	0.0017 ppm	-0.0002 ppm
Concentration per Run	0.0025 ppm	2.9640 ppm	-0.0011 ppm	0.0612 ppm	-0.0008 ppm	0.0021 ppm	-0.0003 ppm
Concentration per Run	-0.0002 ppm	2.9925 ppm	-0.0002 ppm	0.0611 ppm	-0.0010 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0031 ppm	2.9691 ppm	0.0003 ppm	0.0615 ppm	-0.0008 ppm	0.0019 ppm	0.0000 ppm
Concentration RSD	96.4 %	0.5 %	133.3 %	0.4 %	47.9 %	33.8 %	70.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0092 ppm	101.2289 %	99.8406 %	97.4324 %	99.6083 %	100.2416 %	97.5184 %
Concentration per Run	0.0092 ppm	101.7996 %	99.2083 %	97.6230 %	100.4419 %	98.7661 %	97.9302 %
Concentration per Run	0.0091 ppm	100.4742 %	100.3718 %	97.4158 %	98.7544 %	100.7309 %	97.3946 %
Concentration per Run	0.0094 ppm	101.4129 %	99.9417 %	97.2583 %	99.6284 %	101.2278 %	97.2304 %
Concentration RSD	2.2 %	0.7 %	0.6 %	0.2 %	0.8 %	1.3 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-03 WG2112482

Analysis started at: 9/11/2025 7:56:53 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0134 ppm	0.0080 ppm	0.0116 ppm	0.0194 ppm	0.0000 ppm	4.3934 ppm
Concentration per Run	0.0002 ppm	0.0157 ppm	0.0087 ppm	0.0103 ppm	0.0194 ppm	0.0000 ppm	4.4027 ppm
Concentration per Run	0.0005 ppm	0.0148 ppm	0.0076 ppm	0.0135 ppm	0.0195 ppm	0.0000 ppm	4.3832 ppm
Concentration per Run	-0.0002 ppm	0.0155 ppm	0.0076 ppm	0.0109 ppm	0.0193 ppm	0.0000 ppm	4.3942 ppm
Concentration RSD	221.8 %	3.0 %	8.0 %	14.7 %	0.3 %	27.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0006 ppm	0.0049 ppm	0.0012 ppm	24.3289 ppm	1.1744 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0050 ppm	0.0015 ppm	24.4969 ppm	1.1988 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	0.0055 ppm	0.0009 ppm	24.1973 ppm	1.1609 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0044 ppm	0.0012 ppm	24.2924 ppm	1.1634 ppm	0.0003 ppm
Concentration RSD	74.8 %	30.0 %	10.9 %	24.4 %	0.6 %	1.8 %	223.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1383 ppm	0.1380 ppm	0.0007 ppm	73.4305 ppm	0.0006 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	1.1397 ppm	0.1379 ppm	0.0009 ppm	72.8178 ppm	0.0008 ppm	-0.0001 ppm	-0.0011 ppm
Concentration per Run	1.1432 ppm	0.1380 ppm	0.0007 ppm	73.7011 ppm	0.0007 ppm	0.0005 ppm	-0.0004 ppm
Concentration per Run	1.1319 ppm	0.1381 ppm	0.0005 ppm	73.7726 ppm	0.0003 ppm	0.0009 ppm	0.0021 ppm
Concentration RSD	0.5 %	0.1 %	27.7 %	0.7 %	43.8 %	125.9 %	892.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	5.9808 ppm	-0.0005 ppm	0.0242 ppm	-0.0008 ppm	0.0016 ppm	0.0003 ppm
Concentration per Run	0.0019 ppm	5.9953 ppm	0.0001 ppm	0.0243 ppm	-0.0004 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run	0.0020 ppm	5.9837 ppm	-0.0011 ppm	0.0242 ppm	-0.0003 ppm	0.0013 ppm	0.0005 ppm
Concentration per Run	0.0016 ppm	5.9635 ppm	-0.0004 ppm	0.0241 ppm	-0.0007 ppm	0.0021 ppm	0.0003 ppm
Concentration RSD	12.2 %	0.3 %	127.4 %	0.4 %	60.1 %	30.1 %	40.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-IFR)
Concentration average	0.0016 ppm	100.8205 %	99.5239 %	96.3140 %	98.7368 %	97.2843 %	96.8557 %
Concentration per Run	0.0014 ppm	100.9783 %	100.1061 %	96.5656 %	98.7649 %	96.9195 %	97.2215 %
Concentration per Run	0.0016 ppm	101.0505 %	99.4366 %	96.2293 %	99.1886 %	97.8552 %	96.5607 %
Concentration per Run	0.0017 ppm	100.4327 %	99.0290 %	96.1470 %	98.2570 %	97.0781 %	96.7849 %
Concentration RSD	9.6 %	0.3 %	0.5 %	0.2 %	0.5 %	0.5 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-05 WG2112482

Analysis started at: 9/11/2025 7:59:00 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0298 ppm	0.0027 ppm	0.0142 ppm	0.2238 ppm	0.0001 ppm	11.1815 ppm
Concentration per Run	0.0000 ppm	0.0264 ppm	0.0040 ppm	0.0166 ppm	0.2235 ppm	0.0001 ppm	11.1445 ppm
Concentration per Run	-0.0002 ppm	0.0290 ppm	0.0024 ppm	0.0125 ppm	0.2241 ppm	0.0000 ppm	11.1771 ppm
Concentration per Run	0.0005 ppm	0.0341 ppm	0.0017 ppm	0.0133 ppm	0.2238 ppm	0.0001 ppm	11.2228 ppm
Concentration RSD	365.0 %	13.2 %	42.5 %	15.1 %	0.1 %	49.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0021 ppm	-0.0001 ppm	0.0015 ppm	2.6785 ppm	2.6785 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0024 ppm	0.0003 ppm	0.0013 ppm	2.6632 ppm	2.7377 ppm	-0.0015 ppm
Concentration per Run	0.0001 ppm	0.0018 ppm	-0.0003 ppm	0.0012 ppm	2.6808 ppm	2.6808 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	0.0021 ppm	-0.0003 ppm	0.0019 ppm	2.6916 ppm	2.6916 ppm	-0.0011 ppm
Concentration RSD	46.0 %	13.2 %	331.7 %	24.6 %	0.6 %	0.5 %	413.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.9461 ppm	0.2274 ppm	0.0001 ppm	53.9825 ppm	0.0016 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run	3.9703 ppm	0.2272 ppm	-0.0001 ppm	53.7470 ppm	0.0018 ppm	-0.0011 ppm	0.0006 ppm
Concentration per Run	3.9335 ppm	0.2269 ppm	0.0000 ppm	53.7956 ppm	0.0016 ppm	-0.0003 ppm	0.0005 ppm
Concentration per Run	3.9345 ppm	0.2280 ppm	0.0002 ppm	54.4049 ppm	0.0014 ppm	0.0010 ppm	0.0001 ppm
Concentration RSD	0.5 %	0.3 %	304.0 %	0.7 %	12.2 %	752.8 %	69.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0007 ppm	8.2431 ppm	-0.0002 ppm	0.0747 ppm	-0.0010 ppm	0.0015 ppm	-0.0003 ppm
Concentration per Run	-0.0032 ppm	8.2649 ppm	-0.0003 ppm	0.0746 ppm	-0.0010 ppm	0.0028 ppm	-0.0002 ppm
Concentration per Run	-0.0005 ppm	8.2177 ppm	0.0007 ppm	0.0747 ppm	-0.0011 ppm	0.0001 ppm	-0.0005 ppm
Concentration per Run	0.0016 ppm	8.2466 ppm	-0.0011 ppm	0.0746 ppm	-0.0008 ppm	0.0018 ppm	-0.0003 ppm
Concentration RSD	335.5 %	0.3 %	392.1 %	0.1 %	13.2 %	88.0 %	50.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0793 ppm	99.8769 ppm	98.7481 ppm	95.7631 ppm	98.2486 ppm	99.3389 ppm	96.1712 ppm
Concentration per Run	0.0792 ppm	100.3975 ppm	98.3387 ppm	96.2385 ppm	98.6266 ppm	99.1807 ppm	96.8905 ppm
Concentration per Run	0.0796 ppm	99.8371 ppm	99.1783 ppm	95.2285 ppm	98.6457 ppm	99.0517 ppm	95.5368 ppm
Concentration per Run	0.0792 ppm	99.3960 ppm	98.7274 ppm	95.8222 ppm	97.4735 ppm	99.7843 ppm	96.0864 ppm
Concentration RSD	0.3 %	0.5 %	0.4 %	0.5 %	0.7 %	0.4 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-06 WG2112482

Analysis started at: 9/11/2025 8:20:34 PM

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Rack Number 3

Vial Numbers 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.1196 ppm	0.0582 ppm	0.0020 ppm	0.0108 ppm	0.0165 ppm	0.0000 ppm	32.3244 ppm
Concentration per Run	0.1202 ppm	0.0625 ppm	0.0028 ppm	0.0107 ppm	0.0167 ppm	0.0001 ppm	32.3614 ppm
Concentration per Run	0.1187 ppm	0.0571 ppm	0.0010 ppm	0.0107 ppm	0.0165 ppm	0.0000 ppm	32.3262 ppm
Concentration per Run	0.1199 ppm	0.0551 ppm	0.0024 ppm	0.0109 ppm	0.0163 ppm	0.0000 ppm	32.2855 ppm
Concentration RSD	0.6 %	6.6 %	47.1 %	0.8 %	1.1 %	186.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0010 ppm	0.0013 ppm	0.0018 ppm	4.2752 ppm	4.0242 ppm	0.0001 ppm
Concentration per Run	-0.0003 ppm	0.0013 ppm	0.0013 ppm	0.0016 ppm	4.2676 ppm	4.0677 ppm	0.0011 ppm
Concentration per Run	-0.0003 ppm	0.0004 ppm	0.0004 ppm	0.0020 ppm	4.2791 ppm	3.9923 ppm	-0.0021 ppm
Concentration per Run	-0.0003 ppm	0.0012 ppm	0.0012 ppm	0.0016 ppm	4.2789 ppm	4.0128 ppm	0.0014 ppm
Concentration RSD	0.7 %	47.9 %	0.7 %	12.2 %	0.2 %	1.0 %	1.585.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.8527 ppm	0.0486 ppm	0.0032 ppm	319.8886 ppm	0.0016 ppm	0.0006 ppm	-0.0009 ppm
Concentration per Run	9.9663 ppm	0.0488 ppm	0.0031 ppm	319.7696 ppm	0.0014 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run	9.8539 ppm	0.0487 ppm	0.0030 ppm	320.3556 ppm	0.0027 ppm	0.0004 ppm	-0.0004 ppm
Concentration per Run	9.9379 ppm	0.0482 ppm	0.0035 ppm	319.5405 ppm	0.0007 ppm	0.0003 ppm	-0.0032 ppm
Concentration RSD	1.8 %	0.6 %	8.6 %	0.1 %	62.9 %	64.3 %	232.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0024 ppm	5.1265 ppm	0.0006 ppm	0.1869 ppm	0.0243 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run	0.0008 ppm	5.1605 ppm	0.0006 ppm	0.1873 ppm	0.0246 ppm	-0.0003 ppm	0.0004 ppm
Concentration per Run	0.0043 ppm	5.0929 ppm	0.0007 ppm	0.1863 ppm	0.0239 ppm	0.0019 ppm	0.0000 ppm
Concentration per Run	0.0020 ppm	5.1262 ppm	0.0006 ppm	0.1870 ppm	0.0242 ppm	0.0012 ppm	0.0006 ppm
Concentration RSD	73.1 %	0.7 %	11.3 %	0.3 %	1.4 %	119.0 %	92.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0062 ppm	96.9286 %	98.0360 %	89.6157 %	95.2264 %	97.5660 %	92.7387 %
Concentration per Run	0.0063 ppm	97.2602 %	97.4100 %	89.2206 %	96.1321 %	96.8629 %	92.3835 %
Concentration per Run	0.0063 ppm	97.0000 %	97.7884 %	89.1839 %	94.5130 %	96.9951 %	92.0841 %
Concentration per Run	0.0062 ppm	96.5256 %	98.9096 %	90.4426 %	95.0342 %	98.8400 %	93.7485 %
Concentration RSD	1.0 %	0.4 %	0.8 %	0.8 %	0.9 %	1.1 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-07 WG2112482

Analysis started at: 9/11/2025 8:22:46 PM

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Rack Number: 3

Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0019 ppm	0.0513 ppm	0.0005 ppm	0.0070 ppm	0.0645 ppm	0.0000 ppm	10.7259 ppm
Concentration per Run	0.0018 ppm	0.0504 ppm	-0.0001 ppm	0.0061 ppm	0.0646 ppm	0.0001 ppm	10.7624 ppm
Concentration per Run	0.0021 ppm	0.0590 ppm	0.0010 ppm	0.0080 ppm	0.0645 ppm	0.0000 ppm	10.7096 ppm
Concentration per Run	0.0019 ppm	0.0445 ppm	0.0007 ppm	0.0068 ppm	0.0642 ppm	0.0000 ppm	10.7057 ppm
Concentration RSD	9.1 %	14.2 %	102.8 %	13.6 %	0.4 %	281.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0724 ppm	1.8545 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0003 ppm	0.0718 ppm	1.8632 ppm	-0.0007 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0708 ppm	1.8447 ppm	0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0004 ppm	0.0004 ppm	0.0746 ppm	1.8556 ppm	-0.0003 ppm
Concentration RSD	201.6 %	129.9 %	110.1 %	30.1 %	2.7 %	0.5 %	125.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.3530 ppm	0.0105 ppm	0.0004 ppm	17.7301 ppm	-0.0006 ppm	0.0006 ppm	0.0013 ppm
Concentration per Run	3.3487 ppm	0.0104 ppm	0.0000 ppm	17.6518 ppm	-0.0001 ppm	0.0002 ppm	-0.0019 ppm
Concentration per Run	3.3791 ppm	0.0105 ppm	0.0006 ppm	17.8107 ppm	-0.0009 ppm	0.0005 ppm	0.0045 ppm
Concentration per Run	3.3312 ppm	0.0104 ppm	0.0004 ppm	17.7279 ppm	-0.0008 ppm	0.0009 ppm	0.0013 ppm
Concentration RSD	0.7 %	0.5 %	84.8 %	0.4 %	69.4 %	63.2 %	242.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	2.0646 ppm	-0.0002 ppm	0.0732 ppm	0.0011 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run	0.0039 ppm	2.0697 ppm	-0.0017 ppm	0.0733 ppm	0.0009 ppm	0.0021 ppm	-0.0002 ppm
Concentration per Run	0.0053 ppm	2.0680 ppm	0.0008 ppm	0.0732 ppm	0.0012 ppm	0.0012 ppm	-0.0002 ppm
Concentration per Run	-0.0012 ppm	2.0561 ppm	0.0003 ppm	0.0730 ppm	0.0013 ppm	0.0007 ppm	-0.0003 ppm
Concentration RSD	128.0 %	0.4 %	641.5 %	0.2 %	17.3 %	53.5 %	16.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0031 ppm	100.0820 %	96.7571 %	97.1334 %	97.8300 %	96.9149 %	95.9513 %
Concentration per Run	0.0031 ppm	99.9793 %	96.4153 %	96.9142 %	97.5004 %	95.8785 %	95.8956 %
Concentration per Run	0.0030 ppm	100.0074 %	97.3818 %	97.3815 %	97.7937 %	98.2422 %	96.5297 %
Concentration per Run	0.0033 ppm	100.2593 %	96.4741 %	96.5946 %	98.1960 %	96.6242 %	95.4286 %
Concentration RSD	4.9 %	0.2 %	0.6 %	0.7 %	0.4 %	1.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-09 WG2112482

Analysis started at: 9/11/2025 8:24:53 PM

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Rack Number: 3

Vial Numbers: 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.1909 ppm	0.6377 ppm	0.0022 ppm	0.0085 ppm	0.1086 ppm	0.0001 ppm	13.3267 ppm
Concentration per Run	0.1908 ppm	0.6501 ppm	0.0018 ppm	0.0073 ppm	0.1088 ppm	0.0001 ppm	13.3585 ppm
Concentration per Run	0.1909 ppm	0.6459 ppm	0.0007 ppm	0.0094 ppm	0.1082 ppm	0.0001 ppm	13.2954 ppm
Concentration per Run	0.1910 ppm	0.6169 ppm	0.0042 ppm	0.0087 ppm	0.1088 ppm	0.0000 ppm	13.3264 ppm
Concentration RSD	0.0 %	2.8 %	79.2 %	12.6 %	0.3 %	40.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0012 ppm	0.0281 ppm	0.0113 ppm	1.3124 ppm	2.8239 ppm	-0.0006 ppm
Concentration per Run	0.0000 ppm	0.0015 ppm	0.0282 ppm	0.0111 ppm	1.3113 ppm	2.8108 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0009 ppm	0.0278 ppm	0.0116 ppm	1.3182 ppm	2.8376 ppm	-0.0009 ppm
Concentration per Run	-0.0001 ppm	0.0014 ppm	0.0282 ppm	0.0111 ppm	1.3077 ppm	2.8233 ppm	-0.0011 ppm
Concentration RSD	37.8 %	27.0 %	0.9 %	2.3 %	0.4 %	0.5 %	120.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.1417 ppm	0.0053 ppm	0.0011 ppm	101.1815 ppm	0.0023 ppm	0.0031 ppm	0.0009 ppm
Concentration per Run	3.1386 ppm	0.0055 ppm	0.0011 ppm	101.8443 ppm	0.0030 ppm	0.0030 ppm	-0.0004 ppm
Concentration per Run	3.1355 ppm	0.0052 ppm	0.0010 ppm	100.7426 ppm	0.0010 ppm	0.0023 ppm	0.0029 ppm
Concentration per Run	3.1511 ppm	0.0051 ppm	0.0012 ppm	100.9575 ppm	0.0028 ppm	0.0039 ppm	0.0001 ppm
Concentration RSD	0.3 %	3.3 %	7.7 %	0.6 %	49.6 %	25.2 %	196.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	6.7505 ppm	0.0005 ppm	0.0825 ppm	0.0754 ppm	0.0014 ppm	0.0032 ppm
Concentration per Run	-0.0011 ppm	6.7329 ppm	0.0007 ppm	0.0825 ppm	0.0755 ppm	0.0025 ppm	0.0030 ppm
Concentration per Run	0.0032 ppm	6.7494 ppm	0.0004 ppm	0.0824 ppm	0.0751 ppm	0.0003 ppm	0.0032 ppm
Concentration per Run	0.0033 ppm	6.7691 ppm	0.0003 ppm	0.0826 ppm	0.0756 ppm	0.0013 ppm	0.0033 ppm
Concentration RSD	140.7 %	0.3 %	41.2 %	0.2 %	0.4 %	78.6 %	5.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0153 ppm	101.3110 %	100.9481 %	97.5071 %	99.2088 %	101.8156 %	98.7649 %
Concentration per Run	0.0155 ppm	101.2739 %	100.7487 %	97.2776 %	99.3672 %	102.8747 %	98.6063 %
Concentration per Run	0.0155 ppm	101.1207 %	101.2927 %	97.4839 %	98.9124 %	101.3990 %	98.3463 %
Concentration per Run	0.0150 ppm	101.5384 %	100.8030 %	97.7598 %	99.3470 %	101.1732 %	99.3422 %
Concentration RSD	1.9 %	0.2 %	0.3 %	0.2 %	0.3 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-10 WG2112482

Analysis started at: 9/11/2025 8:26:59 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0296 ppm	0.0014 ppm	0.0053 ppm	0.0146 ppm	0.0000 ppm	19.6193 ppm
Concentration per Run	0.0001 ppm	0.0342 ppm	0.0019 ppm	0.0046 ppm	0.0148 ppm	0.0000 ppm	19.5695 ppm
Concentration per Run	0.0004 ppm	0.0283 ppm	0.0007 ppm	0.0058 ppm	0.0144 ppm	0.0001 ppm	19.7805 ppm
Concentration per Run	0.0005 ppm	0.0263 ppm	0.0016 ppm	0.0055 ppm	0.0146 ppm	-0.0001 ppm	19.5080 ppm
Concentration RSD	69.4 %	13.9 %	47.0 %	12.0 %	1.5 %	315.2 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0447 ppm	2.2089 ppm	-0.0030 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	0.0004 ppm	0.0002 ppm	0.0451 ppm	2.2545 ppm	-0.0011 ppm
Concentration per Run	-0.0002 ppm	0.0006 ppm	0.0003 ppm	0.0001 ppm	0.0454 ppm	2.2027 ppm	-0.0035 ppm
Concentration per Run	-0.0002 ppm	-0.0004 ppm	-0.0001 ppm	-0.0001 ppm	0.0436 ppm	2.1694 ppm	-0.0043 ppm
Concentration RSD	28.6 %	198.4 %	125.5 %	233.3 %	2.2 %	1.9 %	55.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.7949 ppm	0.0006 ppm	0.0002 ppm	20.6817 ppm	-0.0002 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run	4.7948 ppm	0.0004 ppm	0.0004 ppm	20.5243 ppm	0.0000 ppm	0.0009 ppm	-0.0008 ppm
Concentration per Run	4.8129 ppm	0.0005 ppm	0.0004 ppm	20.7480 ppm	-0.0005 ppm	0.0014 ppm	0.0007 ppm
Concentration per Run	4.7770 ppm	0.0007 ppm	-0.0001 ppm	20.7729 ppm	0.0000 ppm	0.0006 ppm	0.0008 ppm
Concentration RSD	0.4 %	25.3 %	146.7 %	0.7 %	175.9 %	41.3 %	363.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0025 ppm	1.6780 ppm	0.0002 ppm	0.1227 ppm	0.0003 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run	-0.0015 ppm	1.6680 ppm	0.0008 ppm	0.1225 ppm	0.0003 ppm	0.0013 ppm	-0.0005 ppm
Concentration per Run	-0.0016 ppm	1.6833 ppm	-0.0001 ppm	0.1226 ppm	0.0002 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	-0.0043 ppm	1.6828 ppm	0.0000 ppm	0.1230 ppm	0.0004 ppm	0.0019 ppm	0.0001 ppm
Concentration RSD	65.7 %	0.5 %	248.6 %	0.2 %	23.4 %	25.2 %	340.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-IFR)
Concentration average	0.0014 ppm	99.6959 %	97.8070 %	97.3989 %	98.1584 %	98.3579 %	96.4477 %
Concentration per Run	0.0012 ppm	100.1666 %	97.8532 %	97.4978 %	98.2028 %	98.9029 %	96.7007 %
Concentration per Run	0.0014 ppm	99.5009 %	97.8830 %	97.0224 %	98.5994 %	97.6809 %	95.9896 %
Concentration per Run	0.0014 ppm	99.4203 %	97.6847 %	97.6766 %	97.6729 %	98.4898 %	96.6527 %
Concentration RSD	10.6 %	0.4 %	0.1 %	0.3 %	0.5 %	0.6 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-11 WG2112482

Analysis started at: 9/11/2025 8:29:05 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0322 ppm	0.0014 ppm	0.0180 ppm	0.0202 ppm	0.0000 ppm	5.7297 ppm
Concentration per Run	-0.0002 ppm	0.0353 ppm	0.0026 ppm	0.0185 ppm	0.0202 ppm	0.0001 ppm	5.7192 ppm
Concentration per Run	0.0001 ppm	0.0298 ppm	0.0003 ppm	0.0186 ppm	0.0199 ppm	0.0000 ppm	5.7238 ppm
Concentration per Run	-0.0010 ppm	0.0314 ppm	0.0014 ppm	0.0169 ppm	0.0204 ppm	0.0000 ppm	5.7461 ppm
Concentration RSD	153.4 %	8.7 %	81.6 %	5.3 %	1.1 %	210.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0650 ppm	1.3369 ppm	-0.0019 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0002 ppm	0.0004 ppm	0.0660 ppm	1.3673 ppm	-0.0019 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0639 ppm	1.2955 ppm	-0.0020 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0649 ppm	1.3481 ppm	-0.0017 ppm
Concentration RSD	102.5 %	392.1 %	207.3 %	97.7 %	1.6 %	2.8 %	9.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1309 ppm	0.0016 ppm	-0.0001 ppm	9.9767 ppm	0.0005 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	1.1335 ppm	0.0018 ppm	-0.0003 ppm	9.8748 ppm	0.0001 ppm	-0.0006 ppm	0.0007 ppm
Concentration per Run	1.1301 ppm	0.0016 ppm	0.0000 ppm	9.8976 ppm	-0.0001 ppm	0.0015 ppm	0.0031 ppm
Concentration per Run	1.1292 ppm	0.0013 ppm	-0.0001 ppm	10.1578 ppm	0.0014 ppm	-0.0003 ppm	-0.0036 ppm
Concentration RSD	0.2 %	15.6 %	150.8 %	1.6 %	175.6 %	571.7 %	3.890.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	3.1218 ppm	0.0007 ppm	0.0419 ppm	-0.0003 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run	0.0030 ppm	3.1081 ppm	0.0008 ppm	0.0419 ppm	-0.0003 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run	0.0020 ppm	3.1262 ppm	0.0006 ppm	0.0418 ppm	-0.0001 ppm	0.0013 ppm	-0.0004 ppm
Concentration per Run	-0.0050 ppm	3.1310 ppm	0.0007 ppm	0.0419 ppm	-0.0005 ppm	0.0015 ppm	-0.0003 ppm
Concentration RSD	20,303.3 %	0.4 %	13.4 %	0.2 %	63.0 %	10.9 %	195.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0407 ppm	101.3796 %	98.8019 %	99.2210 %	99.7378 %	100.0487 %	98.1314 %
Concentration per Run	0.0405 ppm	101.5435 %	99.4682 %	99.2763 %	99.6518 %	100.2673 %	98.2112 %
Concentration per Run	0.0403 ppm	101.4290 %	99.3201 %	98.8444 %	100.3836 %	99.4530 %	97.7536 %
Concentration per Run	0.0412 ppm	101.1663 %	97.6173 %	99.5422 %	99.1781 %	100.4259 %	98.4294 %
Concentration RSD	1.2 %	0.2 %	1.0 %	0.4 %	0.6 %	0.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-12 WG2112482

Analysis started at: 9/11/2025 8:31:11 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 9

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0142 ppm	0.0023 ppm	0.0081 ppm	0.0171 ppm	0.0000 ppm	2.0402 ppm
Concentration per Run	-0.0001 ppm	0.0136 ppm	0.0007 ppm	0.0065 ppm	0.0173 ppm	0.0000 ppm	2.0535 ppm
Concentration per Run	-0.0002 ppm	0.0181 ppm	0.0031 ppm	0.0081 ppm	0.0168 ppm	0.0000 ppm	2.0291 ppm
Concentration per Run	-0.0002 ppm	0.0110 ppm	0.0030 ppm	0.0097 ppm	0.0172 ppm	0.0000 ppm	2.0380 ppm
Concentration RSD	37.2 %	25.4 %	59.4 %	19.7 %	1.6 %	193.7 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0022 ppm	0.0001 ppm	0.0004 ppm	13.0859 ppm	1.4888 ppm	-0.0010 ppm
Concentration per Run	0.0000 ppm	0.0023 ppm	0.0002 ppm	0.0006 ppm	13.0994 ppm	1.4941 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0021 ppm	0.0007 ppm	0.0001 ppm	12.9955 ppm	1.4836 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	0.0021 ppm	-0.0007 ppm	0.0006 ppm	13.1630 ppm	1.4887 ppm	-0.0028 ppm
Concentration RSD	104.5 %	4.2 %	985.9 %	65.3 %	0.6 %	0.4 %	166.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5671 ppm	0.3331 ppm	0.0016 ppm	17.9512 ppm	-0.0002 ppm	0.0010 ppm	0.0020 ppm
Concentration per Run	0.5671 ppm	0.3337 ppm	0.0016 ppm	17.9039 ppm	-0.0003 ppm	0.0007 ppm	0.0015 ppm
Concentration per Run	0.5684 ppm	0.3321 ppm	0.0016 ppm	17.9357 ppm	0.0001 ppm	0.0020 ppm	0.0029 ppm
Concentration per Run	0.5659 ppm	0.3335 ppm	0.0015 ppm	18.0141 ppm	-0.0005 ppm	0.0002 ppm	0.0016 ppm
Concentration RSD	0.2 %	0.3 %	4.0 %	0.3 %	139.2 %	90.7 %	38.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0006 ppm	3.4231 ppm	0.0004 ppm	0.0242 ppm	-0.0008 ppm	0.0013 ppm	-0.0003 ppm
Concentration per Run	0.0011 ppm	3.4189 ppm	0.0001 ppm	0.0244 ppm	-0.0006 ppm	0.0015 ppm	-0.0002 ppm
Concentration per Run	0.0012 ppm	3.4321 ppm	-0.0002 ppm	0.0240 ppm	-0.0005 ppm	0.0011 ppm	-0.0005 ppm
Concentration per Run	-0.0005 ppm	3.4182 ppm	0.0013 ppm	0.0243 ppm	-0.0012 ppm	0.0012 ppm	-0.0003 ppm
Concentration RSD	168.5 %	0.2 %	203.8 %	0.9 %	48.5 %	17.7 %	45.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0039 ppm	101.3822 %	99.2217 %	99.2365 %	99.4873 %	100.0370 %	98.3562 %
Concentration per Run	0.0039 ppm	101.1704 %	98.7507 %	99.2613 %	98.9159 %	99.4023 %	98.1370 %
Concentration per Run	0.0041 ppm	101.6123 %	99.7913 %	99.0810 %	100.2659 %	100.5012 %	98.2423 %
Concentration per Run	0.0038 ppm	101.3637 %	99.1231 %	99.3673 %	99.2801 %	100.2076 %	98.6891 %
Concentration RSD	3.8 %	0.2 %	0.5 %	0.1 %	0.7 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-13 WG2112482

Analysis started at: 9/11/2025 8:33:17 PM

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Rack Number: 3

Vial Numbers: 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.0411 ppm	0.0012 ppm	0.0609 ppm	0.0194 ppm	0.0001 ppm	11.5673 ppm
Concentration per Run	-0.0007 ppm	0.0449 ppm	0.0006 ppm	0.0603 ppm	0.0001 ppm	0.0001 ppm	11.5551 ppm
Concentration per Run	-0.0005 ppm	0.0420 ppm	0.0009 ppm	0.0612 ppm	0.0195 ppm	0.0001 ppm	11.5748 ppm
Concentration per Run	-0.0006 ppm	0.0364 ppm	0.0020 ppm	0.0613 ppm	0.0194 ppm	0.0000 ppm	11.5719 ppm
Concentration RSD	12.7 %	10.5 %	62.4 %	0.8 %	0.5 %	102.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0715 ppm	2.8410 ppm	-0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0719 ppm	2.8986 ppm	0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	-0.0001 ppm	0.0003 ppm	0.0713 ppm	2.7961 ppm	-0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0712 ppm	2.8283 ppm	-0.0002 ppm
Concentration RSD	19.9 %	11.5 %	397.4 %	101.3 %	0.5 %	1.8 %	862.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.8720 ppm	0.0013 ppm	0.0000 ppm	30.2250 ppm	-0.0001 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run	1.8600 ppm	0.0014 ppm	0.0004 ppm	30.2349 ppm	0.0002 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run	1.8929 ppm	0.0012 ppm	-0.0005 ppm	29.8833 ppm	0.0000 ppm	-0.0014 ppm	-0.0017 ppm
Concentration per Run	1.8629 ppm	0.0014 ppm	0.0002 ppm	30.5569 ppm	-0.0006 ppm	0.0005 ppm	0.0010 ppm
Concentration RSD	1.0 %	9.4 %	1.848.8 %	1.1 %	398.7 %	239.2 %	926.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0012 ppm	3.2701 ppm	-0.0001 ppm	0.0710 ppm	0.0002 ppm	0.0018 ppm	-0.0002 ppm
Concentration per Run	-0.0003 ppm	3.2643 ppm	-0.0009 ppm	0.0713 ppm	0.0000 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	0.0006 ppm	3.2833 ppm	0.0004 ppm	0.0712 ppm	0.0002 ppm	0.0024 ppm	-0.0003 ppm
Concentration per Run	0.0032 ppm	3.2626 ppm	0.0002 ppm	0.0705 ppm	0.0005 ppm	0.0023 ppm	-0.0006 ppm
Concentration RSD	149.5 %	0.4 %	720.1 %	0.6 %	109.4 %	47.9 %	145.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0012 ppm	99.2501 %	97.7571 %	96.9994 %	97.9156 %	98.7756 %	97.0683 %
Concentration per Run	0.0012 ppm	99.4997 %	97.0804 %	96.3184 %	97.8694 %	98.8144 %	96.4314 %
Concentration per Run	0.0012 ppm	98.9751 %	98.4916 %	97.5541 %	97.9433 %	97.6873 %	97.7345 %
Concentration per Run	0.0012 ppm	99.2756 %	97.6994 %	97.1257 %	97.9342 %	99.8253 %	97.0391 %
Concentration RSD	1.4 %	0.3 %	0.7 %	0.6 %	0.0 %	1.1 %	0.7 %

ICP DataTrace 11

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LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 8:35:24 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5136 ppm	0.4932 ppm	0.4904 ppm	0.4778 ppm	0.5017 ppm	0.5145 ppm	0.4989 ppm
Concentration per Run	0.5107 ppm	0.4965 ppm	0.4926 ppm	0.4718 ppm	0.5006 ppm	0.5137 ppm	0.4962 ppm
Concentration per Run	0.5144 ppm	0.4919 ppm	0.4912 ppm	0.4832 ppm	0.5025 ppm	0.5145 ppm	0.5014 ppm
Concentration per Run	0.5158 ppm	0.4913 ppm	0.4874 ppm	0.4785 ppm	0.5020 ppm	0.5153 ppm	0.4981 ppm
Recovery Percentage	102.729 %	98.642 %	98.080 %	95.566 %	100.338 %	102.897 %	99.716 %
Concentration RSD	0.5 %	0.6 %	0.6 %	1.2 %	0.2 %	0.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5169 ppm	0.5125 ppm	0.5164 ppm	0.5284 ppm	0.5063 ppm	5.2827 ppm	0.5119 ppm
Concentration per Run	0.5135 ppm	0.5104 ppm	0.5148 ppm	0.5262 ppm	0.5081 ppm	5.2738 ppm	0.5173 ppm
Concentration per Run	0.5189 ppm	0.5140 ppm	0.5182 ppm	0.5306 ppm	0.5030 ppm	5.2866 ppm	0.5127 ppm
Concentration per Run	0.5184 ppm	0.5130 ppm	0.5162 ppm	0.5285 ppm	0.5080 ppm	5.2875 ppm	0.5058 ppm
Recovery Percentage	103.385 %	102.497 %	103.280 %	105.686 %	101.268 %	105.653 %	102.383 %
Concentration RSD	0.6 %	0.4 %	0.3 %	0.4 %	0.6 %	0.1 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5322 ppm	0.5109 ppm	0.4881 ppm	10.2917 ppm	0.5191 ppm	0.5173 ppm	0.5144 ppm
Concentration per Run	0.5304 ppm	0.5114 ppm	0.4851 ppm	10.2743 ppm	0.5171 ppm	0.5152 ppm	0.5068 ppm
Concentration per Run	0.5298 ppm	0.5100 ppm	0.4912 ppm	10.2957 ppm	0.5208 ppm	0.5173 ppm	0.5184 ppm
Concentration per Run	0.5364 ppm	0.5112 ppm	0.4878 ppm	10.3052 ppm	0.5193 ppm	0.5194 ppm	0.5178 ppm
Recovery Percentage	106.444 %	102.170 %	97.613 %	102.917 %	103.811 %	103.464 %	102.872 %
Concentration RSD	0.7 %	0.1 %	0.6 %	0.2 %	0.4 %	0.4 %	1.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4849 ppm	5.5030 ppm	0.4992 ppm	0.5123 ppm	0.5183 ppm	0.4948 ppm	0.5229 ppm
Concentration per Run	0.4828 ppm	5.4738 ppm	0.4983 ppm	0.5115 ppm	0.5146 ppm	0.4918 ppm	0.5208 ppm
Concentration per Run	0.4842 ppm	5.5190 ppm	0.4988 ppm	0.5133 ppm	0.5212 ppm	0.4964 ppm	0.5243 ppm
Concentration per Run	0.4877 ppm	5.5160 ppm	0.5004 ppm	0.5122 ppm	0.5191 ppm	0.4961 ppm	0.5237 ppm
Recovery Percentage	96.980 %	104.818 %	99.834 %	102.467 %	103.654 %	98.954 %	104.586 %
Concentration RSD	0.5 %	0.5 %	0.2 %	0.2 %	0.7 %	0.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4899 ppm	96.6418 %	94.8847 %	95.0291 %	94.9052 %	96.0288 %	93.9997 %
Concentration per Run	0.4855 ppm	97.4244 %	94.8597 %	95.3651 %	95.7645 %	96.0158 %	94.0448 %
Concentration per Run	0.4925 ppm	96.6847 %	94.6589 %	94.9719 %	94.9045 %	96.0539 %	93.7826 %
Concentration per Run	0.4913 ppm	95.8162 %	95.1355 %	94.7501 %	94.0466 %	96.0166 %	94.1718 %
Recovery Percentage	97.979 %	0.8 %	0.3 %	0.3 %	0.9 %	0.0 %	0.2 %
Concentration RSD	0.7 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 8:37:30 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0018 ppm	0.0005 ppm	-0.0003 ppm	-0.0002 ppm	0.0000 ppm	-0.0049 ppm
Concentration per Run	-0.0002 ppm	-0.0024 ppm	-0.0013 ppm	-0.0024 ppm	-0.0003 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run	-0.0001 ppm	-0.0041 ppm	0.0019 ppm	0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0033 ppm
Concentration per Run	-0.0004 ppm	0.0119 ppm	0.0008 ppm	-0.0018 ppm	-0.0001 ppm	0.0000 ppm	-0.0091 ppm
Recovery Percentage	-3.490 %	1.779 %	9.531 %	-0.942 %	-1.757 %	0.760 %	-4.884 %
Concentration RSD	65.0 %	492.6 %	342.8 %	622.0 %	62.5 %	84.8 %	74.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0029 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0003 ppm	-0.0003 ppm	0.0003 ppm	-0.0014 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0008 ppm	-0.0111 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	0.0006 ppm	-0.0001 ppm	0.0039 ppm	0.0032 ppm
Recovery Percentage	0.742 %	0.150 %	-0.851 %	-3.142 %	0.699 %	-0.115 %	26.723 %
Concentration RSD	148.4 %	1,046.8 %	291.3 %	104.0 %	133.4 %	265.0 %	119.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0056 ppm	-0.0005 ppm	0.0001 ppm	-0.0018 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	0.0001 ppm	0.0045 ppm	-0.0008 ppm	0.0012 ppm	0.0005 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	-0.0002 ppm	0.0081 ppm	-0.0006 ppm	-0.0006 ppm	-0.0057 ppm
Concentration per Run	-0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0042 ppm	-0.0001 ppm	-0.0004 ppm	-0.0001 ppm
Recovery Percentage	-0.865 %	0.366 %	-0.070 %	0.279 %	-2.076 %	0.570 %	-3.538 %
Concentration RSD	121.1 %	383.7 %	416.6 %	39.1 %	77.8 %	1,722.3 %	192.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	-0.0020 ppm	0.0016 ppm	0.0000 ppm	-0.0010 ppm	0.0010 ppm	-0.0003 ppm
Concentration per Run	-0.0010 ppm	-0.0009 ppm	0.0025 ppm	0.0000 ppm	-0.0009 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0046 ppm	0.0016 ppm	0.0000 ppm	-0.0013 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run	0.0020 ppm	-0.0004 ppm	0.0009 ppm	-0.0001 ppm	-0.0008 ppm	0.0008 ppm	-0.0004 ppm
Recovery Percentage	3.464 %	-0.394 %	3.299 %	-0.430 %	-9.655 %	5.192 %	-3.034 %
Concentration RSD	430.5 %	115.9 %	47.1 %	206.6 %	27.9 %	26.2 %	42.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	96.8950 %	95.0762 %	95.8010 %	97.5320 %	98.1366 %	96.2534 %
Concentration per Run	-0.0001 ppm	97.2867 %	95.4855 %	95.4927 %	97.9161 %	96.6988 %	96.0593 %
Concentration per Run	0.0002 ppm	96.6646 %	94.2739 %	96.0951 %	96.9968 %	98.4658 %	96.3921 %
Concentration per Run	0.0001 ppm	96.7336 %	95.4691 %	95.8151 %	97.6831 %	99.2452 %	96.3088 %
Recovery Percentage	1.396 %						
Concentration RSD	171.8 %	0.4 %	0.7 %	0.3 %	0.5 %	1.3 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-14 WG2112482

Analysis started at: 9/11/2025 8:51:12 PM

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Rack Number 3

Vial Numbers 11

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.2684 ppm	0.0009 ppm	0.0232 ppm	0.0925 ppm	0.0000 ppm	23.7452 ppm
Concentration per Run	-0.0004 ppm	0.2669 ppm	-0.0001 ppm	0.0242 ppm	0.0925 ppm	0.0000 ppm	23.7366 ppm
Concentration per Run	-0.0010 ppm	0.2654 ppm	0.0013 ppm	0.0232 ppm	0.0922 ppm	0.0000 ppm	23.7301 ppm
Concentration per Run	-0.0003 ppm	0.2669 ppm	0.0017 ppm	0.0222 ppm	0.0927 ppm	0.0000 ppm	23.7687 ppm
Concentration RSD	68.5 %	0.3 %	102.9 %	4.1 %	0.3 %	70.0 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0011 ppm	0.0038 ppm	0.0029 ppm	1.0388 ppm	3.4397 ppm	0.0022 ppm
Concentration per Run	-0.0002 ppm	0.0009 ppm	0.0040 ppm	0.0030 ppm	1.0433 ppm	3.4289 ppm	0.0023 ppm
Concentration per Run	-0.0002 ppm	0.0010 ppm	0.0035 ppm	0.0028 ppm	1.0352 ppm	3.4392 ppm	0.0021 ppm
Concentration per Run	-0.0002 ppm	0.0013 ppm	0.0040 ppm	0.0028 ppm	1.0380 ppm	3.4511 ppm	0.0023 ppm
Concentration RSD	4.1 %	18.3 %	8.3 %	4.0 %	0.4 %	0.3 %	5.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.4067 ppm	0.0286 ppm	0.0000 ppm	61.2261 ppm	0.0007 ppm	0.0018 ppm	0.0012 ppm
Concentration per Run	5.4399 ppm	0.0285 ppm	0.0002 ppm	60.7998 ppm	0.0007 ppm	0.0014 ppm	0.0019 ppm
Concentration per Run	5.4448 ppm	0.0286 ppm	-0.0002 ppm	61.3465 ppm	0.0010 ppm	0.0024 ppm	0.0001 ppm
Concentration per Run	5.3354 ppm	0.0287 ppm	0.0001 ppm	61.5322 ppm	0.0004 ppm	0.0014 ppm	0.0016 ppm
Concentration RSD	1.1 %	0.3 %	589.7 %	0.6 %	43.1 %	34.0 %	82.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	3.6607 ppm	0.0010 ppm	0.1738 ppm	0.0102 ppm	0.0010 ppm	0.0008 ppm
Concentration per Run	0.0040 ppm	3.6673 ppm	0.0016 ppm	0.1735 ppm	0.0103 ppm	0.0012 ppm	0.0011 ppm
Concentration per Run	0.0015 ppm	3.6865 ppm	0.0004 ppm	0.1736 ppm	0.0105 ppm	0.0012 ppm	0.0006 ppm
Concentration per Run	0.0049 ppm	3.6284 ppm	0.0009 ppm	0.1743 ppm	0.0099 ppm	0.0005 ppm	0.0008 ppm
Concentration RSD	52.0 %	0.8 %	62.8 %	0.3 %	3.0 %	40.8 %	25.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0047 ppm	99.6506 %	99.4269 %	96.1760 %	98.0115 %	101.5780 %	96.9800 %
Concentration per Run	0.0049 ppm	99.0718 %	99.3872 %	96.2197 %	97.1873 %	100.4104 %	97.2142 %
Concentration per Run	0.0047 ppm	99.7655 %	99.7213 %	96.2996 %	98.0638 %	102.7173 %	97.2125 %
Concentration per Run	0.0045 ppm	100.1145 %	99.1722 %	96.0086 %	98.7835 %	101.6063 %	96.5132 %
Concentration RSD	4.2 %	0.5 %	0.3 %	0.2 %	0.8 %	1.1 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-15 WG2112482

Analysis started at: 9/11/2025 8:53:28 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 12

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0207 ppm	0.0034 ppm	0.0385 ppm	0.0171 ppm	0.0000 ppm	6.6677 ppm
Concentration per Run	-0.0005 ppm	0.0287 ppm	0.0040 ppm	0.0387 ppm	0.0172 ppm	0.0000 ppm	6.6712 ppm
Concentration per Run	-0.0002 ppm	0.0234 ppm	0.0023 ppm	0.0382 ppm	0.0172 ppm	0.0001 ppm	6.6624 ppm
Concentration per Run	-0.0002 ppm	0.0098 ppm	0.0040 ppm	0.0385 ppm	0.0169 ppm	0.0000 ppm	6.6695 ppm
Concentration RSD	57.3 %	47.1 %	28.2 %	0.7 %	1.0 %	194.5 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0332 ppm	44.4678 ppm	0.0433 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0027 ppm	0.0009 ppm	0.0336 ppm	44.3435 ppm	0.0437 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0029 ppm	0.0012 ppm	0.0329 ppm	44.4205 ppm	0.0432 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0024 ppm	0.0012 ppm	0.0332 ppm	44.6393 ppm	0.0430 ppm
Concentration RSD	122.9 %	193.7 %	8.9 %	14.5 %	1.0 %	0.3 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.7764 ppm	0.0024 ppm	0.0073 ppm	73.5017 ppm	0.0009 ppm	0.0018 ppm	0.0029 ppm
Concentration per Run	2.8060 ppm	0.0024 ppm	0.0073 ppm	72.8571 ppm	0.0003 ppm	0.0024 ppm	0.0042 ppm
Concentration per Run	2.7563 ppm	0.0024 ppm	0.0075 ppm	74.0641 ppm	0.0018 ppm	0.0003 ppm	0.0015 ppm
Concentration per Run	2.7668 ppm	0.0024 ppm	0.0070 ppm	73.5839 ppm	0.0005 ppm	0.0026 ppm	0.0029 ppm
Concentration RSD	0.9 %	0.8 %	3.4 %	0.8 %	94.5 %	70.6 %	47.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	10.1479 ppm	0.0006 ppm	0.3753 ppm	0.0006 ppm	0.0001 ppm	0.0021 ppm
Concentration per Run	-0.0003 ppm	10.1713 ppm	-0.0001 ppm	0.3748 ppm	0.0006 ppm	0.0007 ppm	0.0021 ppm
Concentration per Run	-0.0020 ppm	10.1225 ppm	-0.0007 ppm	0.3745 ppm	0.0007 ppm	0.0004 ppm	0.0021 ppm
Concentration per Run	0.0022 ppm	10.1498 ppm	0.0026 ppm	0.3766 ppm	0.0005 ppm	-0.0008 ppm	0.0022 ppm
Concentration RSD	5.676.2 %	0.2 %	290.9 %	0.3 %	16.1 %	1,299.6 %	2.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0041 ppm	98.7143 %	98.3592 %	95.2379 %	96.1637 %	98.3845 %	95.6799 %
Concentration per Run	0.0042 ppm	97.9792 %	98.5576 %	95.0738 %	95.6906 %	97.4216 %	95.5208 %
Concentration per Run	0.0039 ppm	99.2085 %	98.2579 %	95.4425 %	96.2306 %	99.5856 %	95.6761 %
Concentration per Run	0.0042 ppm	98.9553 %	98.2592 %	95.1974 %	96.5699 %	98.1464 %	95.8427 %
Concentration RSD	3.4 %	0.7 %	0.2 %	0.2 %	0.5 %	1.1 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-16 WG2112482

Analysis started at: 9/11/2025 8:55:35 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 13

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.0111 ppm	0.0003 ppm	0.0121 ppm	0.0342 ppm	0.0000 ppm	29.2535 ppm
Concentration per Run	-0.0010 ppm	0.0149 ppm	0.0007 ppm	0.0130 ppm	0.0344 ppm	0.0000 ppm	29.2155 ppm
Concentration per Run	-0.0006 ppm	0.0170 ppm	-0.0013 ppm	0.0120 ppm	0.0341 ppm	0.0000 ppm	29.2170 ppm
Concentration per Run	-0.0009 ppm	0.0015 ppm	0.0015 ppm	0.0112 ppm	0.0341 ppm	0.0000 ppm	29.3280 ppm
Concentration RSD	22.8 %	75.6 %	465.6 %	7.2 %	0.5 %	255.8 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0963 ppm	0.0034 ppm	0.0146 ppm	3.2283 ppm	0.0044 ppm
Concentration per Run	-0.0003 ppm	0.0004 ppm	0.0965 ppm	0.0036 ppm	0.0147 ppm	3.2637 ppm	0.0043 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0958 ppm	0.0035 ppm	0.0145 ppm	3.1924 ppm	0.0042 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	0.0965 ppm	0.0030 ppm	0.0147 ppm	3.2288 ppm	0.0047 ppm
Concentration RSD	12.0 %	61.6 %	0.4 %	8.9 %	0.9 %	1.1 %	5.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.9943 ppm	0.0008 ppm	0.0189 ppm	31.2305 ppm	0.0029 ppm	0.0015 ppm	-0.0013 ppm
Concentration per Run	1.9750 ppm	0.0011 ppm	0.0186 ppm	31.2683 ppm	0.0025 ppm	0.0023 ppm	-0.0020 ppm
Concentration per Run	1.9985 ppm	0.0006 ppm	0.0188 ppm	31.3420 ppm	0.0032 ppm	0.0011 ppm	-0.0017 ppm
Concentration per Run	2.0093 ppm	0.0009 ppm	0.0192 ppm	31.0811 ppm	0.0031 ppm	0.0012 ppm	-0.0002 ppm
Concentration RSD	0.9 %	28.8 %	1.8 %	0.4 %	12.0 %	43.8 %	71.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0023 ppm	4.0194 ppm	-0.0002 ppm	0.4276 ppm	-0.0005 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0037 ppm	4.0040 ppm	-0.0004 ppm	0.4290 ppm	-0.0003 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0012 ppm	4.0093 ppm	-0.0001 ppm	0.4266 ppm	-0.0004 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	4.0449 ppm	-0.0001 ppm	0.4271 ppm	-0.0008 ppm	0.0008 ppm	0.0001 ppm
Concentration RSD	55.5 %	0.6 %	83.4 %	0.3 %	48.6 %	24.4 %	1,133.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0037 ppm	100.0860 %	98.8652 %	97.2053 %	98.7322 %	99.3094 %	96.6314 %
Concentration per Run	0.0036 ppm	99.5426 %	99.3056 %	97.3688 %	98.1523 %	100.0545 %	96.8027 %
Concentration per Run	0.0040 ppm	100.9997 %	98.5214 %	96.8851 %	99.6792 %	99.5626 %	96.1312 %
Concentration per Run	0.0035 ppm	99.7157 %	98.7685 %	97.3620 %	98.3652 %	98.3111 %	96.9603 %
Concentration RSD	6.4 %	0.8 %	0.4 %	0.3 %	0.8 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-01d2 WG2111959

Analysis started at: 9/11/2025 8:58:49 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 18

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	100.2240 ppm	0.0445 ppm	0.0057 ppm	0.4417 ppm	0.0035 ppm	9.9534 ppm
Concentration per Run	-0.0005 ppm	99.9651 ppm	0.0429 ppm	0.0047 ppm	0.4404 ppm	0.0035 ppm	9.9292 ppm
Concentration per Run	-0.0008 ppm	100.3961 ppm	0.0456 ppm	0.0062 ppm	0.4419 ppm	0.0035 ppm	9.9740 ppm
Concentration per Run	0.0000 ppm	100.3107 ppm	0.0451 ppm	0.0061 ppm	0.4429 ppm	0.0035 ppm	9.9569 ppm
Concentration RSD	87.2 %	0.2 %	3.3 %	14.0 %	0.3 %	1.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0024 ppm	0.0514 ppm	0.0924 ppm	0.1162 ppm	131.8148 ppm	5.9220 ppm	0.0948 ppm
Concentration per Run	0.0024 ppm	0.0515 ppm	0.0924 ppm	0.1162 ppm	131.5517 ppm	5.9048 ppm	0.0963 ppm
Concentration per Run	0.0020 ppm	0.0499 ppm	0.0926 ppm	0.1165 ppm	132.0249 ppm	5.9247 ppm	0.0948 ppm
Concentration per Run	0.0027 ppm	0.0527 ppm	0.0922 ppm	0.1158 ppm	131.8680 ppm	5.9366 ppm	0.0933 ppm
Concentration RSD	14.6 %	2.7 %	0.2 %	0.3 %	0.2 %	0.3 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	28.4405 ppm	2.1576 ppm	0.0045 ppm	1.9373 ppm	0.1034 ppm	0.3731 ppm	-0.0008 ppm
Concentration per Run	28.1813 ppm	2.1573 ppm	0.0048 ppm	1.9298 ppm	0.1024 ppm	0.3714 ppm	-0.0044 ppm
Concentration per Run	28.9552 ppm	2.1483 ppm	0.0043 ppm	1.9342 ppm	0.1033 ppm	0.3727 ppm	0.0037 ppm
Concentration per Run	28.1850 ppm	2.1672 ppm	0.0044 ppm	1.9481 ppm	0.1045 ppm	0.3751 ppm	-0.0017 ppm
Concentration RSD	1.6 %	0.4 %	5.9 %	0.5 %	1.0 %	0.5 %	535.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0051 ppm	7.6496 ppm	0.0198 ppm	0.0579 ppm	5.9868 ppm	0.0010 ppm	0.1932 ppm
Concentration per Run	0.0030 ppm	7.6895 ppm	0.0201 ppm	0.0579 ppm	5.9400 ppm	0.0014 ppm	0.1923 ppm
Concentration per Run	0.0060 ppm	7.7032 ppm	0.0209 ppm	0.0579 ppm	6.0688 ppm	0.0013 ppm	0.1940 ppm
Concentration per Run	0.0063 ppm	7.5561 ppm	0.0183 ppm	0.0580 ppm	5.9516 ppm	0.0003 ppm	0.1933 ppm
Concentration RSD	35.3 %	1.1 %	6.5 %	0.1 %	1.2 %	58.8 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5773 ppm	100.1379 %	100.8074 %	95.2293 %	108.2407 %	113.2382 %	109.1241 %
Concentration per Run	0.5747 ppm	100.8896 %	100.9918 %	95.7061 %	108.7348 %	114.1840 %	109.6867 %
Concentration per Run	0.5750 ppm	99.1753 %	100.8728 %	94.9030 %	107.7169 %	112.348 %	108.6549 %
Concentration per Run	0.5822 ppm	100.3488 %	100.5577 %	95.0789 %	108.2703 %	113.1348 %	109.0306 %
Concentration RSD	0.7 %	0.9 %	0.2 %	0.4 %	0.5 %	0.8 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-02d2 WG2111959

Analysis started at: 9/11/2025 9:00:56 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 19

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0027 ppm	95.3541 ppm	0.1143 ppm	0.0131 ppm	0.9202 ppm	0.0043 ppm	16.0494 ppm
Concentration per Run	0.0026 ppm	95.2656 ppm	0.1139 ppm	0.0127 ppm	0.9200 ppm	0.0043 ppm	16.0204 ppm
Concentration per Run	0.0030 ppm	95.5065 ppm	0.1140 ppm	0.0122 ppm	0.9174 ppm	0.0043 ppm	16.0778 ppm
Concentration per Run	0.0025 ppm	95.2901 ppm	0.1150 ppm	0.0145 ppm	0.9233 ppm	0.0044 ppm	16.0500 ppm
Concentration RSD	10.6 %	0.1 %	0.5 %	9.4 %	0.3 %	1.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0110 ppm	0.0501 ppm	0.1371 ppm	0.6304 ppm	150.8653 ppm	4.2833 ppm	0.1106 ppm
Concentration per Run	0.0110 ppm	0.0502 ppm	0.1366 ppm	0.6280 ppm	150.5718 ppm	4.2937 ppm	0.1100 ppm
Concentration per Run	0.0110 ppm	0.0505 ppm	0.1375 ppm	0.6332 ppm	151.3111 ppm	4.2645 ppm	0.1118 ppm
Concentration per Run	0.0109 ppm	0.0498 ppm	0.1372 ppm	0.6299 ppm	150.7130 ppm	4.2918 ppm	0.1099 ppm
Concentration RSD	0.6 %	0.7 %	0.4 %	0.4 %	0.3 %	0.4 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.7497 ppm	4.6318 ppm	0.0075 ppm	1.5876 ppm	0.1334 ppm	4.4739 ppm	0.0004 ppm
Concentration per Run	20.6671 ppm	4.6363 ppm	0.0074 ppm	1.5956 ppm	0.1324 ppm	4.4747 ppm	-0.0023 ppm
Concentration per Run	20.7677 ppm	4.6289 ppm	0.0077 ppm	1.5610 ppm	0.1343 ppm	4.4617 ppm	0.0033 ppm
Concentration per Run	20.8143 ppm	4.6301 ppm	0.0075 ppm	1.6062 ppm	0.1336 ppm	4.4851 ppm	0.0002 ppm
Concentration RSD	0.4 %	0.1 %	1.8 %	1.5 %	0.7 %	0.3 %	685.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0123 ppm	6.5120 ppm	0.1357 ppm	0.1287 ppm	4.3550 ppm	0.0018 ppm	0.2199 ppm
Concentration per Run	0.0095 ppm	6.5638 ppm	0.1346 ppm	0.1288 ppm	4.3436 ppm	0.0009 ppm	0.2190 ppm
Concentration per Run	0.0143 ppm	6.5165 ppm	0.1352 ppm	0.1285 ppm	4.3450 ppm	0.0021 ppm	0.2200 ppm
Concentration per Run	0.0131 ppm	6.4555 ppm	0.1374 ppm	0.1289 ppm	4.3762 ppm	0.0025 ppm	0.2207 ppm
Concentration RSD	20.0 %	0.8 %	1.1 %	0.2 %	0.4 %	47.0 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6709 ppm	98.6919 %	93.4404 %	93.4404 %	107.1158 %	111.2084 %	107.6873 %
Concentration per Run	1.6612 ppm	98.6546 %	93.9212 %	93.9212 %	107.1491 %	112.7409 %	108.5556 %
Concentration per Run	1.6755 ppm	98.2892 %	93.7094 %	93.7094 %	106.8219 %	108.3091 %	107.6266 %
Concentration per Run	1.6761 ppm	99.1317 %	92.6906 %	92.6906 %	107.3765 %	112.5751 %	106.8796 %
Concentration RSD	0.5 %	0.4 %	0.7 %	0.7 %	0.3 %	2.3 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-03d2 WG2111959

Analysis started at: 9/11/2025 9:03:02 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 20

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0006 ppm	116.1329 ppm	0.0409 ppm	0.0051 ppm	0.3794 ppm	0.0035 ppm	11.2634 ppm
Concentration per Run	0.0002 ppm	116.3394 ppm	0.0395 ppm	0.0047 ppm	0.3788 ppm	0.0035 ppm	11.2746 ppm
Concentration per Run	0.0009 ppm	115.9479 ppm	0.0417 ppm	0.0052 ppm	0.3782 ppm	0.0036 ppm	11.2508 ppm
Concentration per Run	0.0006 ppm	116.1116 ppm	0.0416 ppm	0.0055 ppm	0.3811 ppm	0.0035 ppm	11.2647 ppm
Concentration RSD	66.8 %	0.2 %	3.1 %	7.6 %	0.4 %	1.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0020 ppm	0.0841 ppm	0.3223 ppm	0.1778 ppm	170.5710 ppm	3.0943 ppm	0.1241 ppm
Concentration per Run	0.0019 ppm	0.0840 ppm	0.3225 ppm	0.1782 ppm	170.0967 ppm	3.1026 ppm	0.1249 ppm
Concentration per Run	0.0020 ppm	0.0836 ppm	0.3205 ppm	0.1773 ppm	170.3171 ppm	3.0682 ppm	0.1220 ppm
Concentration per Run	0.0020 ppm	0.0846 ppm	0.3238 ppm	0.1779 ppm	171.2991 ppm	3.1122 ppm	0.1253 ppm
Concentration RSD	2.7 %	0.6 %	0.5 %	0.3 %	0.4 %	0.7 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	57.7590 ppm	4.1041 ppm	0.0037 ppm	0.6120 ppm	0.2648 ppm	0.5061 ppm	-0.0013 ppm
Concentration per Run	58.1734 ppm	4.1186 ppm	0.0037 ppm	0.6109 ppm	0.2655 ppm	0.5074 ppm	0.0001 ppm
Concentration per Run	57.1164 ppm	4.0956 ppm	0.0036 ppm	0.6105 ppm	0.2635 ppm	0.5081 ppm	-0.0036 ppm
Concentration per Run	57.9870 ppm	4.0981 ppm	0.0038 ppm	0.6145 ppm	0.2654 ppm	0.5027 ppm	-0.0005 ppm
Concentration RSD	1.0 %	0.3 %	2.7 %	0.4 %	0.4 %	0.6 %	149.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	5.8473 ppm	0.0278 ppm	0.0516 ppm	5.9279 ppm	0.0007 ppm	0.2802 ppm
Concentration per Run	0.0032 ppm	5.9277 ppm	0.0276 ppm	0.0518 ppm	5.9704 ppm	0.0014 ppm	0.2806 ppm
Concentration per Run	0.0031 ppm	5.8113 ppm	0.0289 ppm	0.0513 ppm	5.8512 ppm	-0.0005 ppm	0.2792 ppm
Concentration per Run	0.0003 ppm	5.8028 ppm	0.0270 ppm	0.0517 ppm	5.9619 ppm	0.0011 ppm	0.2808 ppm
Concentration RSD	73.0 %	1.2 %	3.4 %	0.5 %	1.1 %	154.1 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.8151 ppm	100.6202 %	101.0396 %	94.5490 %	109.6301 %	114.4437 %	109.6261 %
Concentration per Run	0.8166 ppm	100.1540 %	101.4321 %	94.0842 %	109.4013 %	116.9236 %	109.1035 %
Concentration per Run	0.8109 ppm	101.1035 %	100.4804 %	94.3917 %	109.8165 %	112.9264 %	109.8532 %
Concentration per Run	0.8177 ppm	100.6031 %	101.2062 %	95.1710 %	109.6724 %	113.4812 %	109.9216 %
Concentration RSD	0.4 %	0.5 %	0.5 %	0.6 %	0.2 %	1.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-04d2 WG2111959

Analysis started at: 9/11/2025 9:05:08 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 21

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	63.9898 ppm	0.0280 ppm	0.0033 ppm	0.1404 ppm	0.0022 ppm	6.9415 ppm
Concentration per Run	-0.0005 ppm	63.9649 ppm	0.0283 ppm	0.0031 ppm	0.1407 ppm	0.0022 ppm	6.9528 ppm
Concentration per Run	-0.0008 ppm	64.0822 ppm	0.0276 ppm	0.0044 ppm	0.1411 ppm	0.0022 ppm	6.9381 ppm
Concentration per Run	-0.0006 ppm	63.9223 ppm	0.0280 ppm	0.0024 ppm	0.1394 ppm	0.0022 ppm	6.9338 ppm
Concentration RSD	24.0 %	0.1 %	1.2 %	31.6 %	0.6 %	0.5 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0423 ppm	0.0649 ppm	0.0766 ppm	88.9460 ppm	2.7000 ppm	0.0578 ppm
Concentration per Run	0.0003 ppm	0.0425 ppm	0.0653 ppm	0.0763 ppm	88.7136 ppm	2.6859 ppm	0.0578 ppm
Concentration per Run	0.0003 ppm	0.0417 ppm	0.0648 ppm	0.0763 ppm	89.1689 ppm	2.7092 ppm	0.0583 ppm
Concentration per Run	0.0005 ppm	0.0427 ppm	0.0647 ppm	0.0771 ppm	88.9555 ppm	2.7049 ppm	0.0572 ppm
Concentration RSD	21.2 %	1.2 %	0.5 %	0.6 %	0.3 %	0.5 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.5949 ppm	2.1861 ppm	0.0036 ppm	0.4880 ppm	0.0623 ppm	0.1224 ppm	-0.0027 ppm
Concentration per Run	19.4013 ppm	2.1850 ppm	0.0036 ppm	0.4873 ppm	0.0616 ppm	0.1222 ppm	-0.0036 ppm
Concentration per Run	19.7473 ppm	2.1905 ppm	0.0035 ppm	0.4905 ppm	0.0626 ppm	0.1232 ppm	0.0029 ppm
Concentration per Run	19.6362 ppm	2.1827 ppm	0.0037 ppm	0.4863 ppm	0.0629 ppm	0.1216 ppm	-0.0075 ppm
Concentration RSD	0.9 %	0.2 %	2.5 %	0.4 %	1.1 %	0.7 %	190.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	6.9689 ppm	0.0082 ppm	0.0313 ppm	3.5984 ppm	0.0006 ppm	0.1224 ppm
Concentration per Run	0.0022 ppm	7.0149 ppm	0.0085 ppm	0.0315 ppm	3.5542 ppm	0.0010 ppm	0.1221 ppm
Concentration per Run	0.0050 ppm	6.9790 ppm	0.0083 ppm	0.0314 ppm	3.6314 ppm	0.0012 ppm	0.1228 ppm
Concentration per Run	-0.0023 ppm	6.9129 ppm	0.0078 ppm	0.0309 ppm	3.6097 ppm	-0.0004 ppm	0.1223 ppm
Concentration RSD	226.8 %	0.7 %	4.1 %	0.9 %	1.1 %	150.6 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2272 ppm	100.0033 %	99.2849 %	95.4970 %	107.1264 %	110.3375 %	106.8203 %
Concentration per Run	0.2263 ppm	99.8282 %	100.0572 %	95.1564 %	106.6372 %	111.5694 %	106.2481 %
Concentration per Run	0.2272 ppm	99.5720 %	99.7375 %	95.3634 %	106.7833 %	110.1720 %	106.6220 %
Concentration per Run	0.2283 ppm	100.6097 %	99.0599 %	95.9713 %	107.9588 %	109.2710 %	107.5909 %
Concentration RSD	0.4 %	0.5 %	0.7 %	0.4 %	0.7 %	1.0 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-05d2 WG2111959

Analysis started at: 9/11/2025 9:07:14 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 22

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	96.8375 ppm	0.0426 ppm	0.0055 ppm	0.4295 ppm	0.0033 ppm	12.4693 ppm
Concentration per Run	0.0008 ppm	96.7828 ppm	0.0424 ppm	0.0061 ppm	0.4287 ppm	0.0033 ppm	12.4734 ppm
Concentration per Run	-0.0004 ppm	96.8408 ppm	0.0421 ppm	0.0057 ppm	0.4299 ppm	0.0034 ppm	12.4648 ppm
Concentration per Run	-0.0003 ppm	96.8890 ppm	0.0432 ppm	0.0047 ppm	0.4300 ppm	0.0034 ppm	12.4698 ppm
Concentration RSD	1.021.1 %	0.1 %	1.2 %	12.9 %	0.2 %	1.5 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0015 ppm	0.0566 ppm	0.0976 ppm	0.1549 ppm	134.6169 ppm	3.7479 ppm	0.0870 ppm
Concentration per Run	0.0016 ppm	0.0565 ppm	0.0974 ppm	0.1548 ppm	134.6922 ppm	3.7559 ppm	0.0873 ppm
Concentration per Run	0.0014 ppm	0.0566 ppm	0.0969 ppm	0.1545 ppm	135.3637 ppm	3.7540 ppm	0.0863 ppm
Concentration per Run	0.0016 ppm	0.0569 ppm	0.0985 ppm	0.1555 ppm	133.7948 ppm	3.7338 ppm	0.0873 ppm
Concentration RSD	6.2 %	0.4 %	0.9 %	0.3 %	0.6 %	0.3 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	33.3188 ppm	2.5255 ppm	0.0039 ppm	0.6140 ppm	0.1059 ppm	0.5714 ppm	0.0026 ppm
Concentration per Run	33.2673 ppm	2.5226 ppm	0.0040 ppm	0.6151 ppm	0.1057 ppm	0.5702 ppm	0.0067 ppm
Concentration per Run	33.3984 ppm	2.5239 ppm	0.0031 ppm	0.6108 ppm	0.1073 ppm	0.5701 ppm	0.0001 ppm
Concentration per Run	33.2907 ppm	2.5299 ppm	0.0045 ppm	0.6160 ppm	0.1046 ppm	0.5739 ppm	0.0008 ppm
Concentration RSD	0.2 %	0.2 %	19.0 %	0.5 %	1.3 %	0.4 %	141.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	7.5446 ppm	0.0195 ppm	0.0601 ppm	5.3074 ppm	0.0004 ppm	0.1821 ppm
Concentration per Run	0.0063 ppm	7.6192 ppm	0.0193 ppm	0.0601 ppm	5.2878 ppm	0.0003 ppm	0.1813 ppm
Concentration per Run	0.0059 ppm	7.5569 ppm	0.0203 ppm	0.0603 ppm	5.3345 ppm	0.0007 ppm	0.1824 ppm
Concentration per Run	0.0011 ppm	7.4577 ppm	0.0189 ppm	0.0599 ppm	5.2999 ppm	0.0001 ppm	0.1827 ppm
Concentration RSD	66.1 %	1.1 %	3.6 %	0.3 %	0.5 %	86.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6708 ppm	98.5585 %	98.5963 %	93.7100 %	107.7033 %	112.3875 %	107.7716 %
Concentration per Run	0.6700 ppm	99.0560 %	98.6880 %	93.6592 %	108.1925 %	111.7488 %	107.6243 %
Concentration per Run	0.6710 ppm	98.3896 %	98.2909 %	94.0392 %	107.6067 %	111.7276 %	108.1654 %
Concentration per Run	0.6714 ppm	98.2299 %	98.8100 %	93.4317 %	107.3106 %	113.6860 %	107.5252 %
Concentration RSD	0.1 %	0.4 %	0.3 %	0.3 %	0.4 %	1.0 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-06d2 WG2111959

Analysis started at: 9/11/2025 9:09:20 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 23

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	64.5248 ppm	0.0322 ppm	0.0023 ppm	0.1926 ppm	0.0021 ppm	9.7239 ppm
Concentration per Run	-0.0006 ppm	64.3580 ppm	0.0287 ppm	0.0028 ppm	0.1929 ppm	0.0021 ppm	9.7239 ppm
Concentration per Run	0.0003 ppm	64.6015 ppm	0.0322 ppm	0.0017 ppm	0.1919 ppm	0.0020 ppm	9.7322 ppm
Concentration per Run	-0.0002 ppm	64.6148 ppm	0.0357 ppm	0.0025 ppm	0.1929 ppm	0.0021 ppm	9.7155 ppm
Concentration RSD	276.9 %	0.2 %	10.8 %	25.8 %	0.3 %	0.9 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.0441 ppm	0.0485 ppm	0.1139 ppm	92.5812 ppm	2.6623 ppm	0.0805 ppm
Concentration per Run	0.0010 ppm	0.0437 ppm	0.0483 ppm	0.1137 ppm	92.6932 ppm	2.6874 ppm	0.0823 ppm
Concentration per Run	0.0010 ppm	0.0443 ppm	0.0484 ppm	0.1138 ppm	92.8494 ppm	2.6629 ppm	0.0791 ppm
Concentration per Run	0.0010 ppm	0.0444 ppm	0.0487 ppm	0.1143 ppm	92.2010 ppm	2.6366 ppm	0.0800 ppm
Concentration RSD	1.1 %	0.9 %	0.4 %	0.3 %	0.4 %	1.0 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	26.3834 ppm	2.1961 ppm	0.0027 ppm	0.4463 ppm	0.0630 ppm	0.4076 ppm	-0.0012 ppm
Concentration per Run	26.4357 ppm	2.1865 ppm	0.0030 ppm	0.4459 ppm	0.0633 ppm	0.4079 ppm	-0.0013 ppm
Concentration per Run	26.3532 ppm	2.1995 ppm	0.0027 ppm	0.4496 ppm	0.0625 ppm	0.4065 ppm	-0.0030 ppm
Concentration per Run	26.3615 ppm	2.2023 ppm	0.0023 ppm	0.4433 ppm	0.0634 ppm	0.4084 ppm	0.0006 ppm
Concentration RSD	0.2 %	0.4 %	11.6 %	0.7 %	0.7 %	0.2 %	145.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0032 ppm	5.1384 ppm	0.0137 ppm	0.0346 ppm	3.4019 ppm	0.0007 ppm	0.1309 ppm
Concentration per Run	0.0002 ppm	5.1843 ppm	0.0141 ppm	0.0348 ppm	3.4067 ppm	0.0005 ppm	0.1310 ppm
Concentration per Run	0.0048 ppm	5.1222 ppm	0.0131 ppm	0.0343 ppm	3.3938 ppm	0.0007 ppm	0.1304 ppm
Concentration per Run	0.0045 ppm	5.1087 ppm	0.0141 ppm	0.0348 ppm	3.4051 ppm	0.0008 ppm	0.1313 ppm
Concentration RSD	82.4 %	0.8 %	4.2 %	0.7 %	0.2 %	18.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5493 ppm	98.5553 %	97.9209 %	93.5377 %	103.8605 %	106.7832 %	102.9525 %
Concentration per Run	0.5493 ppm	98.7316 %	97.6146 %	94.1600 %	103.9662 %	106.8219 %	103.7593 %
Concentration per Run	0.5480 ppm	98.6424 %	97.6896 %	93.1568 %	103.9438 %	105.4091 %	102.7880 %
Concentration per Run	0.5506 ppm	98.2919 %	98.4585 %	93.2962 %	103.6714 %	108.1186 %	102.3100 %
Concentration RSD	0.2 %	0.2 %	0.5 %	0.6 %	0.2 %	1.3 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-07d2 WG2111959

Analysis started at: 9/11/2025 9:11:26 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 24

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	74.8755 ppm	0.0321 ppm	0.0026 ppm	0.2081 ppm	0.0027 ppm	10.0033 ppm
Concentration per Run	-0.0001 ppm	74.9541 ppm	0.0323 ppm	0.0028 ppm	0.2080 ppm	0.0027 ppm	10.0124 ppm
Concentration per Run	0.0001 ppm	75.0900 ppm	0.0319 ppm	0.0026 ppm	0.2081 ppm	0.0026 ppm	10.0249 ppm
Concentration per Run	-0.0001 ppm	74.5824 ppm	0.0322 ppm	0.0024 ppm	0.2083 ppm	0.0028 ppm	9.9725 ppm
Concentration RSD	518.3 %	0.4 %	0.7 %	8.3 %	0.1 %	3.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0509 ppm	0.1072 ppm	0.1577 ppm	106.9234 ppm	5.2762 ppm	0.0881 ppm
Concentration per Run	0.0007 ppm	0.0505 ppm	0.1070 ppm	0.1568 ppm	107.5166 ppm	5.2738 ppm	0.0900 ppm
Concentration per Run	0.0009 ppm	0.0509 ppm	0.1072 ppm	0.1573 ppm	107.0662 ppm	5.2701 ppm	0.0891 ppm
Concentration per Run	0.0008 ppm	0.0513 ppm	0.1075 ppm	0.1590 ppm	106.1873 ppm	5.2847 ppm	0.0852 ppm
Concentration RSD	7.0 %	0.8 %	0.3 %	0.7 %	0.6 %	0.1 %	2.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	32.1469 ppm	2.2800 ppm	0.0033 ppm	0.4955 ppm	0.1055 ppm	0.1919 ppm	-0.0005 ppm
Concentration per Run	31.9304 ppm	2.2793 ppm	0.0032 ppm	0.4957 ppm	0.1046 ppm	0.1914 ppm	0.0001 ppm
Concentration per Run	32.0598 ppm	2.2810 ppm	0.0031 ppm	0.4945 ppm	0.1062 ppm	0.1908 ppm	-0.0010 ppm
Concentration per Run	32.4506 ppm	2.2799 ppm	0.0037 ppm	0.4963 ppm	0.1056 ppm	0.1934 ppm	-0.0005 ppm
Concentration RSD	0.8 %	0.0 %	10.8 %	0.2 %	0.8 %	0.7 %	117.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	5.3732 ppm	0.0123 ppm	0.0352 ppm	4.4031 ppm	0.0001 ppm	0.1662 ppm
Concentration per Run	0.0049 ppm	5.3775 ppm	0.0119 ppm	0.0352 ppm	4.3840 ppm	0.0010 ppm	0.1656 ppm
Concentration per Run	0.0015 ppm	5.3672 ppm	0.0119 ppm	0.0353 ppm	4.3937 ppm	0.0007 ppm	0.1661 ppm
Concentration per Run	0.0010 ppm	5.3750 ppm	0.0130 ppm	0.0351 ppm	4.4316 ppm	-0.0014 ppm	0.1668 ppm
Concentration RSD	86.2 %	0.1 %	5.3 %	0.2 %	0.6 %	1.432.6 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4453 ppm	99.4448 %	98.9954 %	94.3019 %	106.6922 %	111.0889 %	106.2349 %
Concentration per Run	0.4430 ppm	99.9122 %	99.5371 %	94.7806 %	107.2569 %	111.1234 %	106.5956 %
Concentration per Run	0.4449 ppm	99.5585 %	98.4094 %	94.6622 %	106.5856 %	109.7303 %	106.3457 %
Concentration per Run	0.4480 ppm	98.8639 %	99.0398 %	93.4630 %	106.2340 %	112.4129 %	105.7633 %
Concentration RSD	0.6 %	0.5 %	0.6 %	0.8 %	0.5 %	1.2 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample:

Analysis started at: 9/11/2025 9:13:33 PM

Comment: <Comment>

Rack Number

0

Vial Numbers

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5003 ppm	0.4785 ppm	0.4743 ppm	0.4633 ppm	0.4839 ppm	0.4985 ppm	0.4859 ppm
Concentration per Run	0.5001 ppm	0.4717 ppm	0.4757 ppm	0.4656 ppm	0.4757 ppm	0.4995 ppm	0.4896 ppm
Concentration per Run	0.5005 ppm	0.4784 ppm	0.4731 ppm	0.4629 ppm	0.4820 ppm	0.4961 ppm	0.4863 ppm
Concentration per Run	0.5003 ppm	0.4853 ppm	0.4742 ppm	0.4615 ppm	0.4850 ppm	0.5000 ppm	0.4817 ppm
Recovery Percentage	100.057 %	95.695 %	94.863 %	92.667 %	96.772 %	99.702 %	97.177 %
Concentration RSD	0.0 %	1.4 %	0.3 %	0.4 %	0.3 %	0.4 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5018 ppm	0.4977 ppm	0.5030 ppm	0.5136 ppm	0.4927 ppm	5.0745 ppm	0.4964 ppm
Concentration per Run	0.5004 ppm	0.4967 ppm	0.5024 ppm	0.5133 ppm	0.4968 ppm	5.0843 ppm	0.5027 ppm
Concentration per Run	0.5030 ppm	0.4971 ppm	0.5018 ppm	0.5128 ppm	0.4895 ppm	5.0217 ppm	0.4892 ppm
Concentration per Run	0.5021 ppm	0.4994 ppm	0.5048 ppm	0.5147 ppm	0.4919 ppm	5.1176 ppm	0.4972 ppm
Recovery Percentage	100.365 %	99.548 %	100.602 %	102.720 %	98.546 %	101.491 %	99.271 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.2 %	0.7 %	1.0 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5193 ppm	0.4937 ppm	0.4742 ppm	9.9314 ppm	0.5052 ppm	0.5019 ppm	0.4987 ppm
Concentration per Run	0.5153 ppm	0.4938 ppm	0.4711 ppm	9.8669 ppm	0.5045 ppm	0.5034 ppm	0.4960 ppm
Concentration per Run	0.5235 ppm	0.4931 ppm	0.4753 ppm	9.9398 ppm	0.5054 ppm	0.5012 ppm	0.4975 ppm
Concentration per Run	0.5189 ppm	0.4943 ppm	0.4761 ppm	9.9876 ppm	0.5055 ppm	0.5009 ppm	0.5026 ppm
Recovery Percentage	103.851 %	98.747 %	94.835 %	99.314 %	101.030 %	100.373 %	99.738 %
Concentration RSD	0.8 %	0.1 %	0.6 %	0.6 %	0.1 %	0.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4662 ppm	5.3586 ppm	0.4837 ppm	0.4959 ppm	0.5063 ppm	0.4778 ppm	0.5085 ppm
Concentration per Run	0.4654 ppm	5.3544 ppm	0.4833 ppm	0.4973 ppm	0.5066 ppm	0.4801 ppm	0.5087 ppm
Concentration per Run	0.4656 ppm	5.3665 ppm	0.4846 ppm	0.4940 ppm	0.5079 ppm	0.4759 ppm	0.5090 ppm
Concentration per Run	0.4675 ppm	5.3548 ppm	0.4833 ppm	0.4963 ppm	0.5045 ppm	0.4775 ppm	0.5078 ppm
Recovery Percentage	93.234 %	102.068 %	96.747 %	99.170 %	101.264 %	95.565 %	101.698 %
Concentration RSD	0.3 %	0.1 %	0.2 %	0.3 %	0.3 %	0.4 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4745 ppm	99.0052 %	97.3443 %	96.8039 %	97.3348 %	97.7048 %	95.9595 %
Concentration per Run	0.4726 ppm	99.4664 %	98.3324 %	96.1582 %	98.2692 %	98.2882 %	95.1977 %
Concentration per Run	0.4754 ppm	98.737 %	97.4325 %	96.7982 %	96.6467 %	97.8986 %	96.1527 %
Concentration per Run	0.4754 ppm	98.9755 %	96.2681 %	97.4553 %	97.0885 %	96.9876 %	96.5280 %
Recovery Percentage	94.897 %						
Concentration RSD	0.3 %	0.5 %	1.1 %	0.7 %	0.9 %	0.7 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 9:15:39 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	-0.0097 ppm	0.0007 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	-0.0044 ppm
Concentration per Run	-0.0005 ppm	-0.0155 ppm	-0.0006 ppm	-0.0005 ppm	-0.0003 ppm	0.0000 ppm	-0.0070 ppm
Concentration per Run	-0.0005 ppm	-0.0075 ppm	0.0016 ppm	0.0014 ppm	-0.0001 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run	-0.0008 ppm	-0.0063 ppm	0.0010 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm	-0.0054 ppm
Recovery Percentage	-8.588 %	-9.744 %	13.430 %	0.531 %	-1.866 %	0.737 %	-4.384 %
Concentration RSD	26.2 %	51.2 %	173.0 %	685.8 %	40.8 %	108.0 %	74.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0005 ppm	0.0005 ppm	-0.0005 ppm	0.0010 ppm	-0.0192 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0005 ppm	-0.0006 ppm	0.0011 ppm	-0.0068 ppm	-0.0011 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	-0.0004 ppm	-0.0006 ppm	0.0004 ppm	-0.0203 ppm	0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm	0.0015 ppm	-0.0306 ppm	0.0008 ppm
Recovery Percentage	1.172 %	2.544 %	-2.958 %	-4.643 %	2.018 %	-0.770 %	1.417 %
Concentration RSD	247.3 %	7.9 %	130.5 %	46.0 %	53.7 %	62.2 %	1,454.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0024 ppm	0.0000 ppm	0.0003 ppm	-0.0071 ppm	-0.0011 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run	-0.0032 ppm	-0.0003 ppm	0.0002 ppm	-0.0052 ppm	-0.0006 ppm	0.0018 ppm	-0.0032 ppm
Concentration per Run	0.0003 ppm	0.0001 ppm	0.0005 ppm	-0.0096 ppm	-0.0015 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run	-0.0042 ppm	0.0002 ppm	0.0001 ppm	-0.0064 ppm	-0.0013 ppm	-0.0003 ppm	0.0016 ppm
Recovery Percentage	-2.361 %	-0.093 %	0.577 %	-0.355 %	-4.504 %	5.362 %	0.424 %
Concentration RSD	101.0 %	2,704.0 %	74.2 %	31.7 %	39.9 %	210.3 %	1,383.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	0.0039 ppm	0.0003 ppm	-0.0001 ppm	-0.0012 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	0.0027 ppm	0.0053 ppm	0.0009 ppm	0.0000 ppm	-0.0011 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run	-0.0015 ppm	0.0014 ppm	-0.0006 ppm	-0.0001 ppm	-0.0016 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run	0.0017 ppm	0.0050 ppm	0.0005 ppm	-0.0002 ppm	-0.0008 ppm	0.0013 ppm	-0.0003 ppm
Recovery Percentage	9.903 %	0.776 %	0.536 %	-0.856 %	-11.807 %	6.877 %	-0.471 %
Concentration RSD	224.0 %	54.8 %	287.9 %	121.3 %	33.0 %	52.9 %	487.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	96.3641 %	95.2461 %	96.7617 %	96.8127 %	96.4976 %	96.9085 %
Concentration per Run	0.0001 ppm	96.6717 %	95.5522 %	96.4454 %	96.4179 %	97.7821 %	96.6225 %
Concentration per Run	0.0005 ppm	96.2956 %	94.5440 %	97.4884 %	96.9669 %	94.2208 %	97.5263 %
Concentration per Run	0.0000 ppm	96.1251 %	95.6423 %	96.3513 %	97.0533 %	97.4899 %	96.5766 %
Recovery Percentage	3.845 %						
Concentration RSD	139.5 %	0.3 %	0.6 %	0.7 %	0.4 %	2.0 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555976-01d2 WG2111959

Analysis started at: 9/11/2025 9:20:48 PM

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Rack Number: 3

Vial Numbers: 25

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	121.3553 ppm	0.1076 ppm	0.0037 ppm	0.2962 ppm	0.0047 ppm	8.3934 ppm
Concentration per Run	-0.0004 ppm	121.2823 ppm	0.1079 ppm	0.0030 ppm	0.2965 ppm	0.0047 ppm	8.3905 ppm
Concentration per Run	0.0001 ppm	121.1257 ppm	0.1084 ppm	0.0032 ppm	0.2956 ppm	0.0047 ppm	8.4057 ppm
Concentration per Run	0.0002 ppm	121.6578 ppm	0.1064 ppm	0.0047 ppm	0.2965 ppm	0.0047 ppm	8.3840 ppm
Concentration RSD	697.4 %	0.2 %	0.9 %	25.7 %	0.2 %	0.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0367 ppm	0.1746 ppm	0.1012 ppm	120.1571 ppm	10.2668 ppm	0.1313 ppm
Concentration per Run	0.0006 ppm	0.0366 ppm	0.1733 ppm	0.1010 ppm	120.2338 ppm	10.2425 ppm	0.1323 ppm
Concentration per Run	0.0009 ppm	0.0369 ppm	0.1760 ppm	0.1011 ppm	119.7626 ppm	10.2232 ppm	0.1305 ppm
Concentration per Run	0.0005 ppm	0.0367 ppm	0.1746 ppm	0.1014 ppm	120.4747 ppm	10.3346 ppm	0.1312 ppm
Concentration RSD	25.6 %	0.3 %	0.8 %	0.2 %	0.3 %	0.6 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	25.6045 ppm	1.5831 ppm	0.0052 ppm	0.3761 ppm	0.1082 ppm	0.2453 ppm	0.0112 ppm
Concentration per Run	25.4976 ppm	1.5860 ppm	0.0054 ppm	0.3725 ppm	0.1089 ppm	0.2452 ppm	0.0131 ppm
Concentration per Run	25.5466 ppm	1.5786 ppm	0.0048 ppm	0.3700 ppm	0.1078 ppm	0.2454 ppm	0.0113 ppm
Concentration per Run	25.7693 ppm	1.5848 ppm	0.0053 ppm	0.3858 ppm	0.1078 ppm	0.2454 ppm	0.0091 ppm
Concentration RSD	0.6 %	0.2 %	6.4 %	2.3 %	0.6 %	0.1 %	18.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0059 ppm	6.4165 ppm	0.0111 ppm	0.0373 ppm	5.8156 ppm	0.0012 ppm	0.2054 ppm
Concentration per Run	0.0025 ppm	6.4447 ppm	0.0117 ppm	0.0373 ppm	5.8057 ppm	0.0010 ppm	0.2043 ppm
Concentration per Run	0.0095 ppm	6.4149 ppm	0.0114 ppm	0.0371 ppm	5.7870 ppm	0.0011 ppm	0.2054 ppm
Concentration per Run	0.0056 ppm	6.3900 ppm	0.0103 ppm	0.0374 ppm	5.8541 ppm	0.0016 ppm	0.2064 ppm
Concentration RSD	58.4 %	0.4 %	6.7 %	0.5 %	0.6 %	25.4 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2855 ppm	98.8426 %	100.1736 %	94.0720 %	105.7848 %	110.3126 %	106.8707 %
Concentration per Run	0.2847 ppm	98.8641 %	100.6826 %	94.1059 %	105.4871 %	110.3078 %	107.0060 %
Concentration per Run	0.2857 ppm	99.2892 %	100.9513 %	93.6739 %	106.3678 %	109.6199 %	106.5292 %
Concentration per Run	0.2860 ppm	98.3743 %	98.8870 %	94.4362 %	105.4996 %	111.0101 %	107.0770 %
Concentration RSD	0.2 %	0.5 %	1.1 %	0.4 %	0.5 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555679-01d2 WG2112634

Analysis started at: 9/11/2025 9:23:18 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 26

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0011 ppm	56.8671 ppm	0.0489 ppm	0.0088 ppm	0.3876 ppm	0.0028 ppm	16.7941 ppm
Concentration per Run	0.0010 ppm	56.8965 ppm	0.0490 ppm	0.0085 ppm	0.3889 ppm	0.0028 ppm	16.8318 ppm
Concentration per Run	0.0011 ppm	57.0190 ppm	0.0495 ppm	0.0091 ppm	0.3907 ppm	0.0028 ppm	16.8786 ppm
Concentration per Run	0.0013 ppm	56.6857 ppm	0.0483 ppm	0.0089 ppm	0.3831 ppm	0.0028 ppm	16.6718 ppm
Concentration RSD	12.1 %	0.3 %	1.2 %	3.3 %	1.0 %	0.4 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0027 ppm	0.0535 ppm	0.1145 ppm	0.1740 ppm	116.0634 ppm	2.6906 ppm	0.0439 ppm
Concentration per Run	0.0026 ppm	0.0534 ppm	0.1143 ppm	0.1746 ppm	115.8618 ppm	2.6984 ppm	0.0442 ppm
Concentration per Run	0.0027 ppm	0.0529 ppm	0.1145 ppm	0.1739 ppm	116.1387 ppm	2.6993 ppm	0.0452 ppm
Concentration per Run	0.0028 ppm	0.0541 ppm	0.1146 ppm	0.1735 ppm	116.1897 ppm	2.6741 ppm	0.0423 ppm
Concentration RSD	3.4 %	1.1 %	0.1 %	0.3 %	0.2 %	0.5 %	3.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.9167 ppm	3.0904 ppm	0.0030 ppm	0.2903 ppm	0.0708 ppm	0.9796 ppm	-0.0005 ppm
Concentration per Run	14.9973 ppm	3.1071 ppm	0.0027 ppm	0.2942 ppm	0.0709 ppm	0.9842 ppm	0.0013 ppm
Concentration per Run	14.9781 ppm	3.1056 ppm	0.0033 ppm	0.2899 ppm	0.0715 ppm	0.9803 ppm	-0.0014 ppm
Concentration per Run	14.7747 ppm	3.0583 ppm	0.0029 ppm	0.2867 ppm	0.0700 ppm	0.9743 ppm	-0.0015 ppm
Concentration RSD	0.8 %	0.9 %	8.7 %	1.3 %	1.1 %	0.5 %	316.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0066 ppm	0.9958 ppm	0.0147 ppm	0.0864 ppm	1.8836 ppm	0.0013 ppm	0.2733 ppm
Concentration per Run	0.0058 ppm	0.9931 ppm	0.0157 ppm	0.0863 ppm	1.8970 ppm	-0.0003 ppm	0.2740 ppm
Concentration per Run	0.0070 ppm	1.0022 ppm	0.0143 ppm	0.0865 ppm	1.8935 ppm	0.0016 ppm	0.2736 ppm
Concentration per Run	0.0071 ppm	0.9919 ppm	0.0141 ppm	0.0863 ppm	1.8604 ppm	0.0027 ppm	0.2723 ppm
Concentration RSD	11.2 %	0.6 %	5.9 %	0.1 %	1.1 %	116.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.8757 ppm	104.3574 %	102.3257 %	97.9529 %	116.4105 %	118.0754 %	115.2713 %
Concentration per Run	0.8759 ppm	104.2145 %	102.3886 %	97.9376 %	116.5087 %	119.2155 %	115.4574 %
Concentration per Run	0.8780 ppm	103.6636 %	101.7586 %	97.4477 %	115.7279 %	117.6562 %	114.7563 %
Concentration per Run	0.8731 ppm	105.1943 %	102.8299 %	98.4733 %	116.9948 %	117.3547 %	115.6002 %
Concentration RSD	0.3 %	0.7 %	0.5 %	0.5 %	0.5 %	0.8 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555679-03d2 WG2112634

Analysis started at: 9/11/2025 9:25:24 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 27

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	49.1674 ppm	0.0355 ppm	0.0116 ppm	0.3577 ppm	0.0024 ppm	25.2580 ppm
Concentration per Run	0.0008 ppm	48.9174 ppm	0.0343 ppm	0.0131 ppm	0.3550 ppm	0.0024 ppm	25.2811 ppm
Concentration per Run	0.0004 ppm	49.1555 ppm	0.0370 ppm	0.0098 ppm	0.3581 ppm	0.0025 ppm	25.0853 ppm
Concentration per Run	0.0002 ppm	49.4294 ppm	0.0353 ppm	0.0119 ppm	0.3601 ppm	0.0024 ppm	25.4076 ppm
Concentration RSD	63.1 %	0.5 %	3.9 %	14.0 %	0.7 %	1.6 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0018 ppm	0.0465 ppm	0.1225 ppm	0.1950 ppm	109.4389 ppm	3.3013 ppm	0.0387 ppm
Concentration per Run	0.0018 ppm	0.0469 ppm	0.1225 ppm	0.1945 ppm	108.9120 ppm	3.2709 ppm	0.0396 ppm
Concentration per Run	0.0018 ppm	0.0467 ppm	0.1228 ppm	0.1952 ppm	110.0370 ppm	3.3240 ppm	0.0368 ppm
Concentration per Run	0.0018 ppm	0.0460 ppm	0.1221 ppm	0.1953 ppm	109.3676 ppm	3.3090 ppm	0.0400 ppm
Concentration RSD	2.1 %	1.0 %	0.3 %	0.2 %	0.5 %	0.8 %	4.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.8934 ppm	3.1893 ppm	0.0028 ppm	0.3070 ppm	0.0665 ppm	0.6896 ppm	0.0000 ppm
Concentration per Run	15.8360 ppm	3.1645 ppm	0.0029 ppm	0.3068 ppm	0.0668 ppm	0.6893 ppm	0.0002 ppm
Concentration per Run	15.9172 ppm	3.1956 ppm	0.0027 ppm	0.3059 ppm	0.0672 ppm	0.6888 ppm	-0.0010 ppm
Concentration per Run	15.9271 ppm	3.2079 ppm	0.0028 ppm	0.3082 ppm	0.0655 ppm	0.6907 ppm	0.0009 ppm
Concentration RSD	0.3 %	0.7 %	3.0 %	0.4 %	1.4 %	0.1 %	3,161.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0047 ppm	0.9238 ppm	0.0141 ppm	0.1053 ppm	1.3732 ppm	0.0003 ppm	0.1984 ppm
Concentration per Run	0.0029 ppm	0.9250 ppm	0.0144 ppm	0.1046 ppm	1.3703 ppm	-0.0005 ppm	0.1982 ppm
Concentration per Run	0.0054 ppm	0.9250 ppm	0.0138 ppm	0.1058 ppm	1.3732 ppm	0.0005 ppm	0.1986 ppm
Concentration per Run	0.0058 ppm	0.9214 ppm	0.0141 ppm	0.1056 ppm	1.3760 ppm	0.0009 ppm	0.1983 ppm
Concentration RSD	32.9 %	0.2 %	2.1 %	0.6 %	0.2 %	247.5 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4987 ppm	102.4765 %	101.4816 %	96.9845 %	114.7195 %	116.7426 %	113.6994 %
Concentration per Run	0.4993 ppm	102.5772 %	101.7276 %	97.2581 %	114.8845 %	116.5100 %	113.8755 %
Concentration per Run	0.5007 ppm	102.6709 %	101.5886 %	97.3322 %	114.6381 %	116.7865 %	114.2405 %
Concentration per Run	0.4960 ppm	102.1818 %	101.1286 %	96.3631 %	114.6360 %	116.9312 %	112.9821 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.6 %	0.1 %	0.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-01d2 WG2112634

Analysis started at: 9/11/2025 9:27:31 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 28

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	91.5230 ppm	0.0804 ppm	0.0019 ppm	0.1667 ppm	0.0206 ppm	20.2200 ppm
Concentration per Run	0.0019 ppm	91.5348 ppm	0.0806 ppm	0.0028 ppm	0.1668 ppm	0.0206 ppm	20.0908 ppm
Concentration per Run	0.0018 ppm	91.3505 ppm	0.0805 ppm	0.0009 ppm	0.1664 ppm	0.0206 ppm	20.3362 ppm
Concentration per Run	0.0025 ppm	91.6838 ppm	0.0803 ppm	0.0021 ppm	0.1667 ppm	0.0206 ppm	20.2331 ppm
Concentration RSD	20.1 %	0.2 %	0.2 %	49.8 %	0.1 %	0.2 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0845 ppm	0.1273 ppm	0.1444 ppm	348.2547 ppm	16.5989 ppm	1.0116 ppm
Concentration per Run	0.0009 ppm	0.0844 ppm	0.1274 ppm	0.1432 ppm	348.1078 ppm	16.5736 ppm	1.0190 ppm
Concentration per Run	0.0007 ppm	0.0837 ppm	0.1268 ppm	0.1447 ppm	347.0446 ppm	16.5540 ppm	1.0071 ppm
Concentration per Run	0.0007 ppm	0.0853 ppm	0.1277 ppm	0.1453 ppm	349.6117 ppm	16.6691 ppm	1.0086 ppm
Concentration RSD	16.6 %	0.9 %	0.4 %	0.7 %	0.4 %	0.4 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	79.4275 ppm	7.3546 ppm	0.0206 ppm	5.6793 ppm	0.1620 ppm	0.1533 ppm	-0.0011 ppm
Concentration per Run	78.8520 ppm	7.3531 ppm	0.0200 ppm	5.6885 ppm	0.1597 ppm	0.1529 ppm	-0.0041 ppm
Concentration per Run	79.8336 ppm	7.3453 ppm	0.0200 ppm	5.6775 ppm	0.1628 ppm	0.1544 ppm	0.0001 ppm
Concentration per Run	79.7968 ppm	7.3652 ppm	0.0217 ppm	5.6719 ppm	0.1634 ppm	0.1526 ppm	0.0008 ppm
Concentration RSD	0.6 %	0.1 %	4.9 %	0.1 %	1.2 %	0.6 %	247.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	1.8773 ppm	0.0063 ppm	0.0429 ppm	2.8791 ppm	0.0006 ppm	0.3114 ppm
Concentration per Run	-0.0004 ppm	1.8730 ppm	0.0065 ppm	0.0428 ppm	2.8606 ppm	-0.0001 ppm	0.3109 ppm
Concentration per Run	0.0015 ppm	1.8744 ppm	0.0044 ppm	0.0428 ppm	2.8884 ppm	0.0005 ppm	0.3108 ppm
Concentration per Run	0.0033 ppm	1.8844 ppm	0.0079 ppm	0.0430 ppm	2.8883 ppm	0.0014 ppm	0.3126 ppm
Concentration RSD	130.3 %	0.3 %	27.5 %	0.2 %	0.6 %	134.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3255 ppm	108.3602 %	108.6053 %	97.8677 %	170.7510 %	178.8867 %	169.2598 %
Concentration per Run	0.3245 ppm	108.6447 %	109.2568 %	97.8196 %	170.9487 %	180.5634 %	168.8723 %
Concentration per Run	0.3253 ppm	108.2481 %	108.6590 %	98.0895 %	171.0555 %	178.9857 %	169.9989 %
Concentration per Run	0.3266 ppm	108.1878 %	107.9000 %	97.6941 %	170.2488 %	177.1112 %	168.9082 %
Concentration RSD	0.3 %	0.2 %	0.6 %	0.2 %	0.3 %	1.0 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-02d2 WG2112634

Analysis started at: 9/11/2025 9:29:37 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 29

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	138.9876 ppm	0.0652 ppm	0.0031 ppm	0.2284 ppm	0.0210 ppm	30.4889 ppm
Concentration per Run	0.0024 ppm	138.7249 ppm	0.0663 ppm	0.0040 ppm	0.2277 ppm	0.0209 ppm	30.4355 ppm
Concentration per Run	0.0014 ppm	139.0586 ppm	0.0633 ppm	0.0032 ppm	0.2282 ppm	0.0210 ppm	30.5401 ppm
Concentration per Run	0.0025 ppm	139.1792 ppm	0.0660 ppm	0.0022 ppm	0.2294 ppm	0.0211 ppm	30.4913 ppm
Concentration RSD	27.7 %	0.2 %	2.6 %	27.6 %	0.4 %	0.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.0879 ppm	0.0873 ppm	0.1543 ppm	312.7894 ppm	28.7799 ppm	1.8865 ppm
Concentration per Run	0.0011 ppm	0.0873 ppm	0.1365 ppm	0.1546 ppm	312.1341 ppm	28.6295 ppm	1.8826 ppm
Concentration per Run	0.0008 ppm	0.0886 ppm	0.1376 ppm	0.1537 ppm	312.1093 ppm	28.8113 ppm	1.8810 ppm
Concentration per Run	0.0010 ppm	0.0877 ppm	0.1382 ppm	0.1548 ppm	314.1248 ppm	28.8989 ppm	1.8961 ppm
Concentration RSD	17.1 %	0.7 %	0.6 %	0.4 %	0.4 %	0.5 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	137.6671 ppm	6.8057 ppm	0.0060 ppm	8.4007 ppm	0.1841 ppm	0.1687 ppm	-0.0054 ppm
Concentration per Run	137.8210 ppm	6.8072 ppm	0.0060 ppm	8.3816 ppm	0.1848 ppm	0.1671 ppm	-0.0053 ppm
Concentration per Run	137.7205 ppm	6.8072 ppm	0.0061 ppm	8.4345 ppm	0.1834 ppm	0.1686 ppm	-0.0059 ppm
Concentration per Run	137.4598 ppm	6.8028 ppm	0.0059 ppm	8.3859 ppm	0.1842 ppm	0.1703 ppm	-0.0050 ppm
Concentration RSD	0.1 %	0.0 %	1.4 %	0.3 %	0.4 %	1.0 %	7.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0004 ppm	1.6869 ppm	0.0085 ppm	0.0647 ppm	5.0570 ppm	0.0008 ppm	0.2907 ppm
Concentration per Run	-0.0010 ppm	1.6795 ppm	0.0073 ppm	0.0645 ppm	5.0646 ppm	0.0011 ppm	0.2903 ppm
Concentration per Run	0.0007 ppm	1.6876 ppm	0.0099 ppm	0.0648 ppm	5.0563 ppm	0.0005 ppm	0.2911 ppm
Concentration per Run	-0.0011 ppm	1.6937 ppm	0.0083 ppm	0.0648 ppm	5.0501 ppm	0.0009 ppm	0.2909 ppm
Concentration RSD	222.7 %	0.4 %	15.2 %	0.3 %	0.1 %	35.3 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3893 ppm	106.7453 ppm	109.1981 %	96.8002 %	179.9323 %	194.0618 %	180.5134 %
Concentration per Run	0.3909 ppm	106.0861 ppm	109.9066 %	97.0488 %	178.6841 %	195.3454 %	180.2539 %
Concentration per Run	0.3889 ppm	107.0521 ppm	108.8220 %	96.9307 %	180.6890 %	193.9326 %	181.0382 %
Concentration per Run	0.3881 ppm	107.0978 ppm	108.8657 %	96.4212 %	180.4237 %	192.9074 %	180.2482 %
Concentration RSD	0.4 %	0.5 %	0.6 %	0.3 %	0.6 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-03d2 WG2112634

Analysis started at: 9/11/2025 9:31:43 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 30

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	141.2769 ppm	0.0768 ppm	0.0023 ppm	0.2262 ppm	0.0242 ppm	11.7746 ppm
Concentration per Run	0.0023 ppm	140.8656 ppm	0.0751 ppm	0.0022 ppm	0.2264 ppm	0.0242 ppm	11.7241 ppm
Concentration per Run	0.0022 ppm	141.8564 ppm	0.0768 ppm	0.0020 ppm	0.2260 ppm	0.0243 ppm	11.8051 ppm
Concentration per Run	0.0018 ppm	141.1088 ppm	0.0785 ppm	0.0025 ppm	0.2261 ppm	0.0242 ppm	11.7946 ppm
Concentration RSD	12.1 %	0.4 %	2.2 %	11.4 %	0.1 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.1072 ppm	0.1361 ppm	0.1685 ppm	348.5286 ppm	20.7834 ppm	1.8023 ppm
Concentration per Run	0.0006 ppm	0.1054 ppm	0.1358 ppm	0.1684 ppm	347.8277 ppm	20.7373 ppm	1.8019 ppm
Concentration per Run	0.0011 ppm	0.1079 ppm	0.1366 ppm	0.1686 ppm	350.4342 ppm	20.8425 ppm	1.8273 ppm
Concentration per Run	0.0011 ppm	0.1083 ppm	0.1358 ppm	0.1684 ppm	347.3239 ppm	20.7704 ppm	1.7775 ppm
Concentration RSD	29.8 %	1.5 %	0.4 %	0.1 %	0.5 %	0.3 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	114.7298 ppm	8.1316 ppm	0.0100 ppm	8.1356 ppm	0.2098 ppm	0.1665 ppm	-0.0033 ppm
Concentration per Run	115.7080 ppm	8.1016 ppm	0.0106 ppm	8.1074 ppm	0.2100 ppm	0.1657 ppm	-0.0031 ppm
Concentration per Run	114.4804 ppm	8.1536 ppm	0.0098 ppm	8.1394 ppm	0.2097 ppm	0.1683 ppm	-0.0038 ppm
Concentration per Run	114.0010 ppm	8.1396 ppm	0.0096 ppm	8.1599 ppm	0.2098 ppm	0.1656 ppm	-0.0031 ppm
Concentration RSD	0.8 %	0.3 %	5.3 %	0.3 %	0.1 %	0.9 %	12.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	1.6533 ppm	0.0079 ppm	0.0421 ppm	4.8609 ppm	0.0011 ppm	0.3074 ppm
Concentration per Run	0.0032 ppm	1.6511 ppm	0.0082 ppm	0.0421 ppm	4.8887 ppm	0.0007 ppm	0.3079 ppm
Concentration per Run	0.0002 ppm	1.6541 ppm	0.0078 ppm	0.0424 ppm	4.8430 ppm	0.0012 ppm	0.3070 ppm
Concentration per Run	0.0052 ppm	1.6547 ppm	0.0077 ppm	0.0419 ppm	4.8510 ppm	0.0012 ppm	0.3072 ppm
Concentration RSD	88.2 %	0.1 %	3.2 %	0.6 %	0.5 %	25.8 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3468 ppm	108.8078 %	110.4179 %	98.5846 %	190.2437 %	200.9004 %	190.6672 %
Concentration per Run	0.3477 ppm	108.5699 %	110.6393 %	99.1698 %	190.1530 %	200.4792 %	191.7858 %
Concentration per Run	0.3468 ppm	108.8279 %	110.6666 %	98.0738 %	190.4261 %	201.3898 %	189.8292 %
Concentration per Run	0.3460 ppm	109.0258 %	109.9478 %	98.5101 %	190.1520 %	200.8323 %	190.3866 %
Concentration RSD	0.2 %	0.2 %	0.4 %	0.6 %	0.1 %	0.2 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-04d2 WG2112634

Analysis started at: 9/11/2025 9:33:49 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 31

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	141.4265 ppm	0.0462 ppm	0.0044 ppm	0.3098 ppm	0.0153 ppm	63.5751 ppm
Concentration per Run	0.0024 ppm	141.6683 ppm	0.0469 ppm	0.0053 ppm	0.3102 ppm	0.0153 ppm	63.7127 ppm
Concentration per Run	0.0021 ppm	141.1491 ppm	0.0487 ppm	0.0031 ppm	0.3118 ppm	0.0154 ppm	63.4397 ppm
Concentration per Run	0.0017 ppm	141.4621 ppm	0.0430 ppm	0.0047 ppm	0.3074 ppm	0.0152 ppm	63.5728 ppm
Concentration RSD	16.5 %	0.2 %	6.3 %	25.8 %	0.7 %	0.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0920 ppm	0.1459 ppm	0.1911 ppm	295.9597 ppm	39.5736 ppm	1.5040 ppm
Concentration per Run	0.0005 ppm	0.0931 ppm	0.1452 ppm	0.1912 ppm	292.3652 ppm	39.5213 ppm	1.4818 ppm
Concentration per Run	0.0004 ppm	0.0912 ppm	0.1461 ppm	0.1915 ppm	296.9954 ppm	39.7954 ppm	1.5180 ppm
Concentration per Run	0.0003 ppm	0.0917 ppm	0.1463 ppm	0.1907 ppm	298.5184 ppm	39.4041 ppm	1.5122 ppm
Concentration RSD	19.5 %	1.0 %	0.4 %	0.2 %	1.1 %	0.5 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	167.8552 ppm	5.5650 ppm	0.0036 ppm	11.5303 ppm	0.1822 ppm	0.1281 ppm	-0.0021 ppm
Concentration per Run	166.4241 ppm	5.5658 ppm	0.0036 ppm	11.6113 ppm	0.1828 ppm	0.1275 ppm	-0.0029 ppm
Concentration per Run	168.7223 ppm	5.5592 ppm	0.0034 ppm	11.5019 ppm	0.1818 ppm	0.1282 ppm	-0.0013 ppm
Concentration per Run	168.4193 ppm	5.5699 ppm	0.0038 ppm	11.4777 ppm	0.1820 ppm	0.1285 ppm	-0.0022 ppm
Concentration RSD	0.7 %	0.1 %	5.1 %	0.6 %	0.3 %	0.4 %	39.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	1.7256 ppm	0.0087 ppm	0.1017 ppm	5.1929 ppm	0.0022 ppm	0.2813 ppm
Concentration per Run	0.0013 ppm	1.7292 ppm	0.0085 ppm	0.1014 ppm	5.1636 ppm	0.0019 ppm	0.2800 ppm
Concentration per Run	-0.0004 ppm	1.7305 ppm	0.0075 ppm	0.1022 ppm	5.2269 ppm	0.0018 ppm	0.2816 ppm
Concentration per Run	0.0035 ppm	1.7171 ppm	0.0101 ppm	0.1015 ppm	5.1884 ppm	0.0029 ppm	0.2822 ppm
Concentration RSD	132.3 %	0.4 %	15.1 %	0.4 %	0.6 %	27.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3751 ppm	106.7403 %	108.4942 %	95.7289 %	176.9207 %	188.3161 %	175.0479 %
Concentration per Run	0.3730 ppm	106.9313 %	108.6457 %	95.0209 %	175.9373 %	190.6564 %	174.0715 %
Concentration per Run	0.3760 ppm	106.4587 %	108.5980 %	96.0436 %	176.9843 %	188.2740 %	175.4663 %
Concentration per Run	0.3762 ppm	106.8308 %	108.2389 %	96.1221 %	177.8406 %	186.0180 %	175.6059 %
Concentration RSD	0.5 %	0.2 %	0.2 %	0.6 %	0.5 %	1.2 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-05d2 WG2112634

Analysis started at: 9/11/2025 9:35:55 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 32

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0025 ppm	168.5333 ppm	0.0156 ppm	0.0025 ppm	0.3098 ppm	0.0139 ppm	9.8945 ppm
Concentration per Run	0.0031 ppm	168.3200 ppm	0.0174 ppm	0.0023 ppm	0.3085 ppm	0.0139 ppm	9.8622 ppm
Concentration per Run	0.0026 ppm	168.4564 ppm	0.0153 ppm	0.0036 ppm	0.3102 ppm	0.0139 ppm	9.8961 ppm
Concentration per Run	0.0017 ppm	168.8236 ppm	0.0140 ppm	0.0015 ppm	0.3107 ppm	0.0139 ppm	9.9252 ppm
Concentration RSD	28.6 %	0.2 %	10.7 %	42.5 %	0.4 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0014 ppm	0.0699 ppm	0.1771 ppm	0.2861 ppm	231.4706 ppm	68.6511 ppm	1.9502 ppm
Concentration per Run	0.0014 ppm	0.0700 ppm	0.1762 ppm	0.2856 ppm	229.8970 ppm	68.0216 ppm	1.9059 ppm
Concentration per Run	0.0014 ppm	0.0694 ppm	0.1771 ppm	0.2853 ppm	232.3412 ppm	68.9595 ppm	1.9947 ppm
Concentration per Run	0.0012 ppm	0.0702 ppm	0.1781 ppm	0.2874 ppm	232.1735 ppm	68.9721 ppm	1.9499 ppm
Concentration RSD	7.8 %	0.6 %	0.5 %	0.4 %	0.6 %	0.8 %	2.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	192.2015 ppm	3.6316 ppm	-0.0002 ppm	18.1810 ppm	0.2090 ppm	0.0830 ppm	-0.0032 ppm
Concentration per Run	189.7849 ppm	3.6364 ppm	0.0002 ppm	18.1600 ppm	0.2072 ppm	0.0822 ppm	-0.0070 ppm
Concentration per Run	191.5235 ppm	3.6250 ppm	-0.0006 ppm	18.1599 ppm	0.2091 ppm	0.0845 ppm	-0.0045 ppm
Concentration per Run	195.2960 ppm	3.6336 ppm	-0.0001 ppm	18.2231 ppm	0.2107 ppm	0.0823 ppm	0.0019 ppm
Concentration RSD	1.5 %	0.2 %	235.8 %	0.2 %	0.8 %	1.5 %	144.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0004 ppm	2.1365 ppm	0.0078 ppm	0.0561 ppm	5.5224 ppm	0.0038 ppm	0.3221 ppm
Concentration per Run	-0.0026 ppm	2.1219 ppm	0.0074 ppm	0.0559 ppm	5.4567 ppm	0.0035 ppm	0.3209 ppm
Concentration per Run	0.0005 ppm	2.1334 ppm	0.0083 ppm	0.0562 ppm	5.4978 ppm	0.0042 ppm	0.3208 ppm
Concentration per Run	0.0010 ppm	2.1541 ppm	0.0078 ppm	0.0561 ppm	5.6128 ppm	0.0036 ppm	0.3248 ppm
Concentration RSD	517.2 %	0.8 %	5.7 %	0.3 %	1.5 %	9.9 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4767 ppm	106.9803 %	108.8976 %	96.7638 %	153.0739 %	162.8831 %	152.3530 %
Concentration per Run	0.4750 ppm	107.3342 %	108.9661 %	96.3328 %	153.2265 %	164.6333 %	151.5564 %
Concentration per Run	0.4740 ppm	107.4431 %	109.0382 %	96.7408 %	153.4710 %	161.2787 %	152.3085 %
Concentration per Run	0.4811 ppm	106.1637 %	108.6887 %	97.2177 %	152.5240 %	162.7373 %	153.1941 %
Concentration RSD	0.8 %	0.7 %	0.2 %	0.5 %	0.3 %	1.0 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-01d2 WG2112634

Analysis started at: 9/11/2025 9:38:01 PM

Comment: <Comment>

Rack Number 3

Vial Numbers 33

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0014 ppm	129.9379 ppm	0.0220 ppm	0.0109 ppm	0.8631 ppm	0.0071 ppm	12.3653 ppm
Concentration per Run	0.0006 ppm	129.9655 ppm	0.0228 ppm	0.0118 ppm	0.8649 ppm	0.0072 ppm	12.3382 ppm
Concentration per Run	0.0022 ppm	129.9087 ppm	0.0208 ppm	0.0114 ppm	0.8606 ppm	0.0071 ppm	12.3704 ppm
Concentration per Run	0.0013 ppm	129.9394 ppm	0.0224 ppm	0.0093 ppm	0.8640 ppm	0.0071 ppm	12.3874 ppm
Concentration RSD	58.0 %	0.0 %	4.8 %	12.4 %	0.3 %	0.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.1673 ppm	0.1691 ppm	0.1365 ppm	238.4354 ppm	10.7029 ppm	0.1138 ppm
Concentration per Run	0.0009 ppm	0.1676 ppm	0.1698 ppm	0.1369 ppm	238.8174 ppm	10.7133 ppm	0.1147 ppm
Concentration per Run	0.0009 ppm	0.1684 ppm	0.1687 ppm	0.1370 ppm	238.5492 ppm	10.6980 ppm	0.1141 ppm
Concentration per Run	0.0007 ppm	0.1658 ppm	0.1689 ppm	0.1355 ppm	237.9397 ppm	10.6974 ppm	0.1126 ppm
Concentration RSD	15.6 %	0.8 %	0.4 %	0.6 %	0.2 %	0.1 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.8358 ppm	9.3701 ppm	0.0017 ppm	9.1700 ppm	0.1517 ppm	0.0923 ppm	-0.0003 ppm
Concentration per Run	29.8684 ppm	9.3717 ppm	0.0018 ppm	9.1920 ppm	0.1518 ppm	0.0917 ppm	-0.0016 ppm
Concentration per Run	29.7078 ppm	9.3709 ppm	0.0014 ppm	9.1419 ppm	0.1508 ppm	0.0931 ppm	-0.0025 ppm
Concentration per Run	29.9313 ppm	9.3676 ppm	0.0018 ppm	9.1760 ppm	0.1527 ppm	0.0922 ppm	0.0033 ppm
Concentration RSD	0.4 %	0.0 %	11.7 %	0.3 %	0.6 %	0.8 %	1.213.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	1.0968 ppm	0.0086 ppm	0.0913 ppm	3.5055 ppm	0.0000 ppm	0.5924 ppm
Concentration per Run	0.0001 ppm	1.1004 ppm	0.0088 ppm	0.0918 ppm	3.5124 ppm	0.0008 ppm	0.5917 ppm
Concentration per Run	-0.0013 ppm	1.0938 ppm	0.0081 ppm	0.0911 ppm	3.4851 ppm	0.0003 ppm	0.5917 ppm
Concentration per Run	0.0024 ppm	1.0963 ppm	0.0089 ppm	0.0910 ppm	3.5189 ppm	-0.0012 ppm	0.5939 ppm
Concentration RSD	462.1 %	0.3 %	5.3 %	0.4 %	0.5 %	3.878.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3490 ppm	114.8231 %	115.9517 %	106.0130 %	139.7663 %	145.3934 %	139.9236 %
Concentration per Run	0.3491 ppm	115.5913 %	116.4883 %	106.8626 %	140.8082 %	146.8451 %	140.6449 %
Concentration per Run	0.3486 ppm	114.4738 %	116.1449 %	105.7705 %	138.9066 %	145.3430 %	139.9935 %
Concentration per Run	0.3494 ppm	114.4042 %	115.2218 %	105.4059 %	139.5842 %	143.9922 %	139.1324 %
Concentration RSD	0.1 %	0.6 %	0.6 %	0.7 %	0.7 %	1.0 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-02d2 WG2112634

Analysis started at: 9/11/2025 9:40:07 PM

Comment: <Comment>

Rack Number 3

Vial Numbers 34

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	110.4827 ppm	0.0211 ppm	0.0169 ppm	1.8181 ppm	0.0098 ppm	15.0854 ppm
Concentration per Run	0.0004 ppm	110.3129 ppm	0.0205 ppm	0.0174 ppm	1.8175 ppm	0.0098 ppm	15.0690 ppm
Concentration per Run	-0.0004 ppm	110.3936 ppm	0.0209 ppm	0.0172 ppm	1.8166 ppm	0.0097 ppm	15.0573 ppm
Concentration per Run	-0.0006 ppm	110.7416 ppm	0.0219 ppm	0.0162 ppm	1.8204 ppm	0.0097 ppm	15.1299 ppm
Concentration RSD	267.2 %	0.2 %	3.4 %	4.0 %	0.1 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.1478 ppm	0.1877 ppm	0.0778 ppm	190.2234 ppm	14.3881 ppm	0.1490 ppm
Concentration per Run	0.0010 ppm	0.1478 ppm	0.1872 ppm	0.0774 ppm	191.3852 ppm	14.3513 ppm	0.1526 ppm
Concentration per Run	0.0009 ppm	0.1482 ppm	0.1886 ppm	0.0788 ppm	190.2667 ppm	14.3661 ppm	0.1471 ppm
Concentration per Run	0.0009 ppm	0.1475 ppm	0.1874 ppm	0.0771 ppm	189.0181 ppm	14.4467 ppm	0.1473 ppm
Concentration RSD	2.4 %	0.2 %	0.4 %	1.1 %	0.6 %	0.4 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	36.0857 ppm	14.5156 ppm	0.0008 ppm	2.4697 ppm	0.2067 ppm	0.1354 ppm	0.0018 ppm
Concentration per Run	35.9649 ppm	14.5101 ppm	0.0009 ppm	2.4553 ppm	0.2065 ppm	0.1346 ppm	-0.0004 ppm
Concentration per Run	36.2445 ppm	14.5205 ppm	0.0011 ppm	2.4831 ppm	0.2073 ppm	0.1350 ppm	0.0025 ppm
Concentration per Run	36.0478 ppm	14.5163 ppm	0.0004 ppm	2.4907 ppm	0.2064 ppm	0.1367 ppm	0.0035 ppm
Concentration RSD	0.4 %	0.0 %	44.6 %	0.8 %	0.3 %	0.8 %	111.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	1.1538 ppm	0.0111 ppm	0.0996 ppm	2.4863 ppm	-0.0027 ppm	0.2695 ppm
Concentration per Run	-0.0041 ppm	1.1460 ppm	0.0115 ppm	0.1001 ppm	2.4817 ppm	-0.0022 ppm	0.2704 ppm
Concentration per Run	0.0015 ppm	1.1580 ppm	0.0114 ppm	0.0993 ppm	2.4914 ppm	-0.0034 ppm	0.2688 ppm
Concentration per Run	0.0018 ppm	1.1575 ppm	0.0103 ppm	0.0995 ppm	2.4857 ppm	-0.0023 ppm	0.2693 ppm
Concentration RSD	1,225.7 %	0.6 %	5.9 %	0.4 %	0.2 %	24.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3709 ppm	105.2168 ppm	106.4270 ppm	98.1036 ppm	140.8176 ppm	147.5302 ppm	141.4266 ppm
Concentration per Run	0.3708 ppm	105.2328 ppm	106.8863 ppm	97.5836 ppm	140.3658 ppm	148.2620 ppm	140.6444 ppm
Concentration per Run	0.3724 ppm	104.4464 ppm	106.4814 ppm	98.4017 ppm	140.2489 ppm	146.2593 ppm	142.0469 ppm
Concentration per Run	0.3697 ppm	105.9713 ppm	105.9113 ppm	98.3255 ppm	141.8180 ppm	148.0692 ppm	141.5885 ppm
Concentration RSD	0.4 %	0.7 %	0.5 %	0.5 %	0.6 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 9:42:14 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5040 ppm	0.4815 ppm	0.4802 ppm	0.4708 ppm	0.4896 ppm	0.5042 ppm	0.4953 ppm
Concentration per Run	0.5049 ppm	0.4872 ppm	0.4774 ppm	0.4707 ppm	0.4886 ppm	0.5021 ppm	0.4951 ppm
Concentration per Run	0.5039 ppm	0.4905 ppm	0.4852 ppm	0.4683 ppm	0.4915 ppm	0.5055 ppm	0.4939 ppm
Concentration per Run	0.5031 ppm	0.4668 ppm	0.4779 ppm	0.4733 ppm	0.4888 ppm	0.5051 ppm	0.4970 ppm
Recovery Percentage	100.794 %	96.303 %	96.035 %	94.152 %	97.925 %	100.849 %	99.067 %
Concentration RSD	0.2 %	2.7 %	0.9 %	0.5 %	0.3 %	0.4 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5059 ppm	0.5046 ppm	0.5084 ppm	0.5223 ppm	0.4995 ppm	5.1572 ppm	0.5008 ppm
Concentration per Run	0.5053 ppm	0.5029 ppm	0.5074 ppm	0.5223 ppm	0.4996 ppm	5.1335 ppm	0.5000 ppm
Concentration per Run	0.5062 ppm	0.5045 ppm	0.5087 ppm	0.5214 ppm	0.4995 ppm	5.1465 ppm	0.4974 ppm
Concentration per Run	0.5060 ppm	0.5063 ppm	0.5090 ppm	0.5231 ppm	0.4993 ppm	5.1917 ppm	0.5048 ppm
Recovery Percentage	101.172 %	100.919 %	101.672 %	104.454 %	99.892 %	103.145 %	100.150 %
Concentration RSD	0.1 %	0.3 %	0.2 %	0.2 %	0.0 %	0.6 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5243 ppm	0.4991 ppm	0.4782 ppm	10.0457 ppm	0.5108 ppm	0.5102 ppm	0.5060 ppm
Concentration per Run	0.5255 ppm	0.4984 ppm	0.4776 ppm	10.0280 ppm	0.5098 ppm	0.5080 ppm	0.5037 ppm
Concentration per Run	0.5251 ppm	0.4993 ppm	0.4794 ppm	10.0242 ppm	0.5124 ppm	0.5118 ppm	0.5047 ppm
Concentration per Run	0.5221 ppm	0.4995 ppm	0.4775 ppm	10.0850 ppm	0.5103 ppm	0.5109 ppm	0.5095 ppm
Recovery Percentage	104.854 %	99.814 %	95.638 %	100.457 %	102.162 %	102.044 %	101.194 %
Concentration RSD	0.4 %	0.1 %	0.2 %	0.3 %	0.3 %	0.4 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4734 ppm	5.4019 ppm	0.4876 ppm	0.5027 ppm	0.5070 ppm	0.4826 ppm	0.5163 ppm
Concentration per Run	0.4703 ppm	5.4007 ppm	0.4907 ppm	0.5011 ppm	0.5085 ppm	0.4833 ppm	0.5155 ppm
Concentration per Run	0.4752 ppm	5.4073 ppm	0.4873 ppm	0.5036 ppm	0.5075 ppm	0.4826 ppm	0.5170 ppm
Concentration per Run	0.4746 ppm	5.3977 ppm	0.4847 ppm	0.5033 ppm	0.5051 ppm	0.4819 ppm	0.5162 ppm
Recovery Percentage	94.671 %	102.893 %	97.513 %	100.534 %	101.404 %	96.519 %	103.250 %
Concentration RSD	0.6 %	0.1 %	0.6 %	0.3 %	0.3 %	0.1 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4778 ppm	98.5766 %	96.4106 %	95.9026 %	96.9656 %	97.0494 %	95.2203 %
Concentration per Run	0.4769 ppm	98.6481 %	96.2281 %	96.3501 %	97.2472 %	96.2040 %	95.7523 %
Concentration per Run	0.4780 ppm	98.6479 %	96.5064 %	95.2377 %	96.6728 %	97.2461 %	94.4211 %
Concentration per Run	0.4785 ppm	98.4337 %	96.4973 %	96.1199 %	96.9767 %	97.6980 %	95.4875 %
Recovery Percentage	95.561 %						
Concentration RSD	0.2 %	0.1 %	0.2 %	0.6 %	0.3 %	0.8 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 9:44:20 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0013 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0043 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0020 ppm
Concentration per Run	-0.0007 ppm	0.0030 ppm	-0.0002 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	-0.0004 ppm	-0.0071 ppm	0.0020 ppm	-0.0009 ppm	-0.0003 ppm	0.0000 ppm	-0.0104 ppm
Recovery Percentage	-6.838 %	-1.311 %	9.136 %	-0.274 %	-0.756 %	0.871 %	-4.279 %
Concentration RSD	48.7 %	396.7 %	299.7 %	842.8 %	210.9 %	49.2 %	125.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0003 ppm	0.0028 ppm	0.0046 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0031 ppm	0.0204 ppm	0.0006 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0004 ppm	-0.0004 ppm	0.0013 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0000 ppm	-0.0004 ppm	0.0041 ppm	-0.0058 ppm	-0.0001 ppm
Recovery Percentage	0.566 %	1.706 %	0.351 %	-2.529 %	5.640 %	0.183 %	4.774 %
Concentration RSD	399.0 %	39.9 %	1,052.5 %	117.1 %	51.6 %	304.4 %	152.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0029 ppm	-0.0001 ppm	0.0004 ppm	-0.0107 ppm	-0.0002 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run	-0.0016 ppm	-0.0001 ppm	0.0002 ppm	-0.0060 ppm	-0.0005 ppm	0.0004 ppm	-0.0007 ppm
Concentration per Run	-0.0055 ppm	-0.0001 ppm	0.0004 ppm	-0.0133 ppm	0.0003 ppm	-0.0007 ppm	0.0016 ppm
Concentration per Run	-0.0015 ppm	0.0000 ppm	0.0006 ppm	-0.0127 ppm	-0.0004 ppm	0.0002 ppm	0.0055 ppm
Recovery Percentage	-2.884 %	-0.814 %	0.750 %	-0.534 %	-0.815 %	-0.245 %	4.287 %
Concentration RSD	78.6 %	84.1 %	48.1 %	38.1 %	209.1 %	2,430.4 %	146.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	-0.0008 ppm	0.0007 ppm	-0.0001 ppm	-0.0012 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0026 ppm	0.0010 ppm	0.0012 ppm	-0.0001 ppm	-0.0015 ppm	0.0016 ppm	-0.0003 ppm
Concentration per Run	0.0011 ppm	-0.0023 ppm	-0.0001 ppm	0.0000 ppm	-0.0010 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0021 ppm	-0.0010 ppm	0.0011 ppm	-0.0003 ppm	-0.0012 ppm	0.0003 ppm	-0.0004 ppm
Recovery Percentage	19.352 %	-0.158 %	1.442 %	-1.201 %	-12.189 %	4.564 %	-2.114 %
Concentration RSD	38.4 %	211.7 %	102.3 %	126.8 %	22.8 %	68.9 %	108.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.5165 %	95.2817 %	96.1081 %	98.0108 %	97.2570 %	96.5470 %
Concentration per Run	0.0005 ppm	97.3307 %	95.2486 %	96.3795 %	97.7733 %	96.2624 %	96.9322 %
Concentration per Run	0.0001 ppm	97.9560 %	95.4857 %	95.9120 %	98.5349 %	97.8075 %	96.5229 %
Concentration per Run	0.0001 ppm	97.2629 %	95.1108 %	96.0328 %	97.7244 %	97.7011 %	96.1860 %
Recovery Percentage	4.961 %						
Concentration RSD	96.2 %	0.4 %	0.2 %	0.3 %	0.5 %	0.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-05d2 WG2112634

Analysis started at: 9/11/2025 9:50:26 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 35

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0010 ppm	116.4643 ppm	0.0189 ppm	0.0131 ppm	0.8915 ppm	0.0064 ppm	10.9672 ppm
Concentration per Run	0.0011 ppm	116.5570 ppm	0.0193 ppm	0.0135 ppm	0.8931 ppm	0.0064 ppm	11.0087 ppm
Concentration per Run	0.0009 ppm	116.4418 ppm	0.0180 ppm	0.0126 ppm	0.8889 ppm	0.0065 ppm	10.9476 ppm
Concentration per Run	0.0010 ppm	116.3941 ppm	0.0193 ppm	0.0133 ppm	0.8925 ppm	0.0064 ppm	10.9454 ppm
Concentration RSD	10.9 %	0.1 %	3.9 %	3.6 %	0.3 %	0.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0018 ppm	0.1929 ppm	0.1569 ppm	0.1420 ppm	215.2284 ppm	8.8126 ppm	0.0967 ppm
Concentration per Run	0.0018 ppm	0.1922 ppm	0.1561 ppm	0.1418 ppm	216.3425 ppm	8.8346 ppm	0.0996 ppm
Concentration per Run	0.0018 ppm	0.1932 ppm	0.1568 ppm	0.1418 ppm	214.4019 ppm	8.7989 ppm	0.0953 ppm
Concentration per Run	0.0018 ppm	0.1933 ppm	0.1579 ppm	0.1424 ppm	214.9408 ppm	8.8043 ppm	0.0951 ppm
Concentration RSD	1.2 %	0.3 %	0.6 %	0.2 %	0.5 %	0.2 %	2.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	26.9898 ppm	9.4735 ppm	0.0013 ppm	8.9291 ppm	0.1425 ppm	0.0904 ppm	-0.0014 ppm
Concentration per Run	26.9500 ppm	9.4597 ppm	0.0016 ppm	8.8611 ppm	0.1423 ppm	0.0903 ppm	0.0024 ppm
Concentration per Run	27.0661 ppm	9.4647 ppm	0.0010 ppm	8.9322 ppm	0.1426 ppm	0.0911 ppm	-0.0013 ppm
Concentration per Run	26.9533 ppm	9.4962 ppm	0.0013 ppm	8.9938 ppm	0.1427 ppm	0.0898 ppm	-0.0052 ppm
Concentration RSD	0.2 %	0.2 %	22.3 %	0.7 %	0.1 %	0.7 %	270.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	1.0903 ppm	0.0083 ppm	0.0752 ppm	3.6227 ppm	0.0002 ppm	0.5567 ppm
Concentration per Run	0.0006 ppm	1.0924 ppm	0.0097 ppm	0.0755 ppm	3.6169 ppm	0.0001 ppm	0.5557 ppm
Concentration per Run	0.0022 ppm	1.0892 ppm	0.0078 ppm	0.0749 ppm	3.6246 ppm	-0.0002 ppm	0.5574 ppm
Concentration per Run	-0.0021 ppm	1.0892 ppm	0.0074 ppm	0.0753 ppm	3.6266 ppm	0.0005 ppm	0.5571 ppm
Concentration RSD	920.0 %	0.2 %	15.2 %	0.4 %	0.1 %	217.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3377 ppm	112.1075 %	111.9031 %	103.0376 %	139.0111 %	138.3110 %	138.3110 %
Concentration per Run	0.3356 ppm	112.1186 %	111.9153 %	102.9375 %	138.6275 %	142.9788 %	138.2155 %
Concentration per Run	0.3397 ppm	111.9458 %	103.0709 %	103.0709 %	138.8654 %	145.9401 %	138.2208 %
Concentration per Run	0.3378 ppm	112.2582 %	111.8512 %	103.1043 %	139.5404 %	147.5492 %	138.4966 %
Concentration RSD	0.6 %	0.1 %	0.0 %	0.1 %	0.3 %	1.6 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-06d2 WG2112634

Analysis started at: 9/11/2025 9:52:41 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 36

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	107.1854 ppm	0.0219 ppm	0.0193 ppm	3.7295 ppm	0.0081 ppm	15.2375 ppm
Concentration per Run	0.0004 ppm	107.2881 ppm	0.0219 ppm	0.0199 ppm	3.7343 ppm	0.0081 ppm	15.2533 ppm
Concentration per Run	-0.0001 ppm	107.3615 ppm	0.0217 ppm	0.0195 ppm	3.7299 ppm	0.0082 ppm	15.3000 ppm
Concentration per Run	0.0005 ppm	106.9067 ppm	0.0222 ppm	0.0185 ppm	3.7244 ppm	0.0081 ppm	15.1592 ppm
Concentration RSD	125.4 %	0.2 %	1.2 %	3.8 %	0.1 %	0.3 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.1571 ppm	0.1837 ppm	0.0854 ppm	197.7496 ppm	14.2619 ppm	0.1509 ppm
Concentration per Run	0.0010 ppm	0.1569 ppm	0.1839 ppm	0.0854 ppm	197.9918 ppm	14.2708 ppm	0.1528 ppm
Concentration per Run	0.0009 ppm	0.1566 ppm	0.1828 ppm	0.0850 ppm	198.6524 ppm	14.2491 ppm	0.1512 ppm
Concentration per Run	0.0010 ppm	0.1578 ppm	0.1843 ppm	0.0858 ppm	196.6046 ppm	14.2657 ppm	0.1488 ppm
Concentration RSD	7.9 %	0.4 %	0.4 %	0.4 %	0.5 %	0.1 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	36.7212 ppm	22.2432 [SIC 80]	0.0007 ppm	1.7087 ppm	0.2218 ppm	0.1444 ppm	-0.0003 ppm
Concentration per Run	36.6176 ppm	22.2704 ppm	0.0011 ppm	1.7153 ppm	0.2218 ppm	0.1457 ppm	-0.0024 ppm
Concentration per Run	36.8867 ppm	22.2551 ppm	0.0007 ppm	1.7031 ppm	0.2217 ppm	0.1444 ppm	-0.0007 ppm
Concentration per Run	36.6592 ppm	22.2041 ppm	0.0003 ppm	1.7077 ppm	0.2220 ppm	0.1433 ppm	0.0022 ppm
Concentration RSD	0.4 %	0.2 %	57.6 %	0.4 %	0.1 %	0.8 %	794.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	1.1982 ppm	0.0096 ppm	0.1226 ppm	2.5378 ppm	-0.0030 ppm	0.3859 ppm
Concentration per Run	0.0023 ppm	1.2043 ppm	0.0100 ppm	0.1226 ppm	2.5315 ppm	-0.0044 ppm	0.3861 ppm
Concentration per Run	-0.0024 ppm	1.1908 ppm	0.0092 ppm	0.1229 ppm	2.5477 ppm	-0.0017 ppm	0.3862 ppm
Concentration per Run	0.0047 ppm	1.1995 ppm	0.0096 ppm	0.1224 ppm	2.5341 ppm	-0.0028 ppm	0.3853 ppm
Concentration RSD	234.6 %	0.6 %	4.2 %	0.2 %	0.3 %	47.3 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3908 ppm	104.0529 ppm	103.1246 ppm	96.5307 ppm	138.0242 ppm	140.9510 ppm	137.5394 ppm
Concentration per Run	0.3906 ppm	104.2888 ppm	103.2013 ppm	95.9772 ppm	138.4080 ppm	141.7391 ppm	137.0140 ppm
Concentration per Run	0.3903 ppm	104.0701 ppm	102.7234 ppm	96.9687 ppm	138.1299 ppm	138.9922 ppm	138.5154 ppm
Concentration per Run	0.3914 ppm	103.7998 ppm	103.4490 ppm	96.6461 ppm	137.5346 ppm	142.1217 ppm	137.0889 ppm
Concentration RSD	0.2 %	0.2 %	0.4 %	0.5 %	0.3 %	1.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-10d2 WG2112634

Analysis started at: 9/11/2025 9:54:47 PM

Comment: <Comment>

Rack Number 3

Vial Numbers 37

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0017 ppm	94.5566 ppm	0.0342 ppm	0.0172 ppm	0.5999 ppm	0.0050 ppm	14.5132 ppm
Concentration per Run	0.0014 ppm	94.7219 ppm	0.0329 ppm	0.0182 ppm	0.5990 ppm	0.0050 ppm	14.5424 ppm
Concentration per Run	0.0019 ppm	94.6592 ppm	0.0351 ppm	0.0169 ppm	0.6021 ppm	0.0050 ppm	14.5147 ppm
Concentration per Run	0.0019 ppm	94.2888 ppm	0.0347 ppm	0.0164 ppm	0.5985 ppm	0.0050 ppm	14.4824 ppm
Concentration RSD	17.0 %	0.2 %	3.4 %	5.4 %	0.3 %	0.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0014 ppm	0.1101 ppm	0.1594 ppm	0.2293 ppm	199.1841 ppm	4.6877 ppm	0.0753 ppm
Concentration per Run	0.0014 ppm	0.1093 ppm	0.1594 ppm	0.2288 ppm	198.4636 ppm	4.6726 ppm	0.0743 ppm
Concentration per Run	0.0013 ppm	0.1107 ppm	0.1589 ppm	0.2291 ppm	199.9422 ppm	4.7101 ppm	0.0771 ppm
Concentration per Run	0.0014 ppm	0.1103 ppm	0.1599 ppm	0.2301 ppm	199.1464 ppm	4.6805 ppm	0.0745 ppm
Concentration RSD	1.4 %	0.7 %	0.3 %	0.3 %	0.4 %	0.4 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.6151 ppm	5.9787 ppm	0.0031 ppm	0.7305 ppm	0.1166 ppm	0.1919 ppm	-0.0012 ppm
Concentration per Run	22.7628 ppm	5.9928 ppm	0.0027 ppm	0.7334 ppm	0.1162 ppm	0.1925 ppm	-0.0019 ppm
Concentration per Run	22.4457 ppm	5.9648 ppm	0.0036 ppm	0.7305 ppm	0.1160 ppm	0.1904 ppm	-0.0008 ppm
Concentration per Run	22.6368 ppm	5.9787 ppm	0.0030 ppm	0.7277 ppm	0.1176 ppm	0.1927 ppm	-0.0010 ppm
Concentration RSD	0.7 %	0.2 %	15.0 %	0.4 %	0.7 %	0.7 %	45.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	1.1457 ppm	0.0109 ppm	0.0877 ppm	3.0321 ppm	-0.0001 ppm	0.4889 ppm
Concentration per Run	0.0040 ppm	1.1449 ppm	0.0107 ppm	0.0877 ppm	3.0484 ppm	-0.0005 ppm	0.4889 ppm
Concentration per Run	0.0013 ppm	1.1415 ppm	0.0106 ppm	0.0877 ppm	3.0168 ppm	0.0004 ppm	0.4887 ppm
Concentration per Run	0.0067 ppm	1.1508 ppm	0.0114 ppm	0.0876 ppm	3.0311 ppm	-0.0003 ppm	0.4891 ppm
Concentration RSD	67.5 %	0.4 %	4.2 %	0.1 %	0.5 %	429.8 %	0.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3400 ppm	107.6739 %	107.4805 %	100.7363 %	129.0585 %	132.3701 %	129.2034 %
Concentration per Run	0.3402 ppm	106.7493 %	107.5212 %	100.7942 %	128.2927 %	132.4073 %	129.0667 %
Concentration per Run	0.3395 ppm	108.6350 %	107.6067 %	100.1122 %	129.4794 %	131.8328 %	128.2032 %
Concentration per Run	0.3403 ppm	107.6373 %	107.3136 %	101.3026 %	129.4035 %	132.8702 %	130.3405 %
Concentration RSD	0.1 %	0.9 %	0.1 %	0.6 %	0.5 %	0.4 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-11d2 WG2112634

Analysis started at: 9/11/2025 9:56:54 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 38

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	105.2599 ppm	0.0189 ppm	0.0159 ppm	0.8256 ppm	0.0085 ppm	14.0325 ppm
Concentration per Run	-0.0005 ppm	105.0429 ppm	0.0165 ppm	0.0163 ppm	0.8242 ppm	0.0085 ppm	13.9913 ppm
Concentration per Run	0.0003 ppm	105.1619 ppm	0.0161 ppm	0.0156 ppm	0.8269 ppm	0.0084 ppm	14.0466 ppm
Concentration per Run	-0.0002 ppm	105.5748 ppm	0.0180 ppm	0.0158 ppm	0.8256 ppm	0.0085 ppm	14.0597 ppm
Concentration RSD	303.0 %	0.3 %	6.0 %	2.2 %	0.2 %	0.6 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.1200 ppm	0.1880 ppm	0.1280 ppm	178.8210 ppm	11.6862 ppm	0.1084 ppm
Concentration per Run	0.0009 ppm	0.1201 ppm	0.1874 ppm	0.1281 ppm	178.9517 ppm	11.6843 ppm	0.1095 ppm
Concentration per Run	0.0010 ppm	0.1195 ppm	0.1879 ppm	0.1274 ppm	177.7880 ppm	11.6457 ppm	0.1073 ppm
Concentration per Run	0.0009 ppm	0.1203 ppm	0.1887 ppm	0.1285 ppm	179.7234 ppm	11.7286 ppm	0.1083 ppm
Concentration RSD	5.4 %	0.3 %	0.4 %	0.4 %	0.5 %	0.4 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	30.9077 ppm	5.6944 ppm	0.0016 ppm	2.5696 ppm	0.1597 ppm	0.1088 ppm	-0.0033 ppm
Concentration per Run	30.8518 ppm	5.6849 ppm	0.0017 ppm	2.5595 ppm	0.1596 ppm	0.1084 ppm	-0.0011 ppm
Concentration per Run	30.8356 ppm	5.6891 ppm	0.0018 ppm	2.5874 ppm	0.1590 ppm	0.1097 ppm	-0.0034 ppm
Concentration per Run	31.0357 ppm	5.7093 ppm	0.0012 ppm	2.5621 ppm	0.1604 ppm	0.1084 ppm	-0.0054 ppm
Concentration RSD	0.4 %	0.2 %	19.5 %	0.6 %	0.4 %	0.7 %	64.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	1.1016 ppm	0.0088 ppm	0.1059 ppm	2.5475 ppm	-0.0013 ppm	0.3117 ppm
Concentration per Run	0.0015 ppm	1.0881 ppm	0.0080 ppm	0.1063 ppm	2.5393 ppm	-0.0012 ppm	0.3107 ppm
Concentration per Run	0.0017 ppm	1.1049 ppm	0.0101 ppm	0.1054 ppm	2.5445 ppm	-0.0023 ppm	0.3116 ppm
Concentration per Run	0.0024 ppm	1.1116 ppm	0.0084 ppm	0.1060 ppm	2.5588 ppm	-0.0003 ppm	0.3128 ppm
Concentration RSD	25.9 %	1.1 %	12.5 %	0.4 %	0.4 %	77.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3153 ppm	106.6999 %	106.9057 %	99.0014 %	136.3754 %	142.1689 %	135.4897 %
Concentration per Run	0.3149 ppm	106.5268 %	107.3300 %	99.0712 %	135.8187 %	142.4619 %	135.6641 %
Concentration per Run	0.3152 ppm	106.8261 %	106.6650 %	99.0694 %	136.3032 %	143.0950 %	135.3062 %
Concentration per Run	0.3157 ppm	106.7468 %	106.7220 %	98.8636 %	137.0042 %	140.9497 %	135.4988 %
Concentration RSD	0.1 %	0.1 %	0.3 %	0.1 %	0.4 %	0.8 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-14d2 WG2112634

Analysis started at: 9/11/2025 9:59:00 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 39

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	143.7223 ppm	0.0292 ppm	0.0104 ppm	0.7258 ppm	0.0070 ppm	11.7737 ppm
Concentration per Run	0.0025 ppm	143.0315 ppm	0.0300 ppm	0.0093 ppm	0.7230 ppm	0.0070 ppm	11.6773 ppm
Concentration per Run	0.0010 ppm	144.4385 ppm	0.0288 ppm	0.0122 ppm	0.7296 ppm	0.0070 ppm	11.8586 ppm
Concentration per Run	0.0024 ppm	143.6970 ppm	0.0287 ppm	0.0097 ppm	0.7248 ppm	0.0068 ppm	11.7851 ppm
Concentration RSD	41.6 %	0.5 %	2.6 %	15.1 %	0.5 %	1.6 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.1655 ppm	0.1741 ppm	0.1555 ppm	301.3735 ppm	10.7185 ppm	0.1036 ppm
Concentration per Run	0.0009 ppm	0.1654 ppm	0.1739 ppm	0.1551 ppm	298.2193 ppm	10.6581 ppm	0.1012 ppm
Concentration per Run	0.0007 ppm	0.1648 ppm	0.1739 ppm	0.1549 ppm	302.3751 ppm	10.7741 ppm	0.1068 ppm
Concentration per Run	0.0011 ppm	0.1661 ppm	0.1747 ppm	0.1566 ppm	303.5263 ppm	10.7234 ppm	0.1028 ppm
Concentration RSD	22.1 %	0.4 %	0.3 %	0.6 %	0.9 %	0.5 %	2.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	24.6547 ppm	5.8119 ppm	0.0011 ppm	19.9926 ppm	0.1268 ppm	0.0886 ppm	-0.0013 ppm
Concentration per Run	24.5019 ppm	5.7877 ppm	0.0008 ppm	20.0199 ppm	0.1253 ppm	0.0884 ppm	0.0012 ppm
Concentration per Run	24.9024 ppm	5.8448 ppm	0.0013 ppm	20.2384 ppm	0.1282 ppm	0.0886 ppm	-0.0023 ppm
Concentration per Run	24.5599 ppm	5.8031 ppm	0.0013 ppm	19.7196 ppm	0.1267 ppm	0.0889 ppm	-0.0027 ppm
Concentration RSD	0.9 %	0.5 %	28.0 %	1.3 %	1.2 %	0.3 %	167.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0026 ppm	1.0605 ppm	0.0097 ppm	0.0876 ppm	4.2293 ppm	0.0004 ppm	1.0330 ppm
Concentration per Run	-0.0001 ppm	1.0566 ppm	0.0096 ppm	0.0873 ppm	4.1964 ppm	0.0001 ppm	1.0294 ppm
Concentration per Run	0.0044 ppm	1.0625 ppm	0.0097 ppm	0.0883 ppm	4.2788 ppm	0.0007 ppm	1.0356 ppm
Concentration per Run	0.0033 ppm	1.0625 ppm	0.0097 ppm	0.0872 ppm	4.2128 ppm	0.0005 ppm	1.0340 ppm
Concentration RSD	91.2 %	0.3 %	0.8 %	0.7 %	1.0 %	76.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3604 ppm	122.1156 %	122.4852 %	111.2071 %	144.3908 %	150.8061 %	144.7048 %
Concentration per Run	0.3596 ppm	122.8588 %	124.2229 %	111.6867 %	145.0255 %	153.9291 %	145.5600 %
Concentration per Run	0.3617 ppm	121.9245 %	120.8555 %	111.4778 %	144.6030 %	151.2949 %	144.3303 %
Concentration per Run	0.3600 ppm	121.5634 %	122.3772 %	110.4568 %	143.5438 %	147.1942 %	144.2242 %
Concentration RSD	0.3 %	0.5 %	1.4 %	0.6 %	0.5 %	2.3 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample: 9/11/2025 10:01:52 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4991 ppm	0.4827 ppm	0.4776 ppm	0.4617 ppm	0.4870 ppm	0.5024 ppm	0.4824 ppm
Concentration per Run	0.4983 ppm	0.4786 ppm	0.4771 ppm	0.4588 ppm	0.4881 ppm	0.5013 ppm	0.4835 ppm
Concentration per Run	0.4993 ppm	0.4809 ppm	0.4798 ppm	0.4640 ppm	0.4860 ppm	0.5034 ppm	0.4843 ppm
Concentration per Run	0.4997 ppm	0.4886 ppm	0.4760 ppm	0.4623 ppm	0.4868 ppm	0.5024 ppm	0.4795 ppm
Recovery Percentage	99.825 %	96.544 %	95.524 %	92.340 %	97.392 %	100.473 %	96.487 %
Concentration RSD	0.1 %	1.1 %	0.4 %	0.6 %	0.2 %	0.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4994 ppm	0.5000 ppm	0.5041 ppm	0.5170 ppm	0.4969 ppm	5.0726 ppm	0.5086 ppm
Concentration per Run	0.4991 ppm	0.5025 ppm	0.5023 ppm	0.5168 ppm	0.4945 ppm	5.0926 ppm	0.5042 ppm
Concentration per Run	0.5011 ppm	0.4979 ppm	0.5044 ppm	0.5166 ppm	0.4993 ppm	5.0959 ppm	0.5104 ppm
Concentration per Run	0.4981 ppm	0.4995 ppm	0.5056 ppm	0.5176 ppm	0.4969 ppm	5.0293 ppm	0.5113 ppm
Recovery Percentage	99.885 %	99.994 %	100.816 %	103.394 %	99.378 %	101.452 %	101.726 %
Concentration RSD	0.3 %	0.5 %	0.3 %	0.1 %	0.5 %	0.7 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5157 ppm	0.4935 ppm	0.4721 ppm	9.9650 ppm	0.5046 ppm	0.5048 ppm	0.5014 ppm
Concentration per Run	0.5124 ppm	0.4946 ppm	0.4713 ppm	10.0456 ppm	0.5050 ppm	0.5025 ppm	0.5051 ppm
Concentration per Run	0.5181 ppm	0.4933 ppm	0.4730 ppm	9.9146 ppm	0.5034 ppm	0.5046 ppm	0.4988 ppm
Concentration per Run	0.5167 ppm	0.4926 ppm	0.4719 ppm	9.9347 ppm	0.5052 ppm	0.5072 ppm	0.5002 ppm
Recovery Percentage	103.142 %	98.698 %	94.414 %	99.650 %	100.911 %	100.958 %	100.270 %
Concentration RSD	0.6 %	0.2 %	0.2 %	0.7 %	0.2 %	0.5 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4721 ppm	5.3489 ppm	0.4841 ppm	0.5020 ppm	0.5023 ppm	0.4811 ppm	0.5108 ppm
Concentration per Run	0.4725 ppm	5.3373 ppm	0.4875 ppm	0.5028 ppm	0.5011 ppm	0.4820 ppm	0.5104 ppm
Concentration per Run	0.4748 ppm	5.3607 ppm	0.4865 ppm	0.5008 ppm	0.5029 ppm	0.4814 ppm	0.5103 ppm
Concentration per Run	0.4691 ppm	5.3486 ppm	0.4784 ppm	0.5025 ppm	0.5028 ppm	0.4799 ppm	0.5116 ppm
Recovery Percentage	94.426 %	101.883 %	96.827 %	100.406 %	100.459 %	96.220 %	102.153 %
Concentration RSD	0.6 %	0.2 %	1.0 %	0.2 %	0.2 %	0.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4724 ppm	99.5345 %	96.9471 %	96.5798 %	97.6747 %	96.9367 %	95.6545 %
Concentration per Run	0.4713 ppm	99.5982 %	96.6218 %	96.5433 %	97.4681 %	98.2378 %	95.2817 %
Concentration per Run	0.4738 ppm	99.1517 %	97.0036 %	96.8616 %	97.5720 %	96.0997 %	95.8836 %
Concentration per Run	0.4720 ppm	99.8538 %	97.2161 %	96.3346 %	97.9839 %	96.4727 %	95.7981 %
Recovery Percentage	94.473 %						
Concentration RSD	0.3 %	0.4 %	0.3 %	0.3 %	0.3 %	1.2 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 10:03:59 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0037 ppm	0.0008 ppm	0.0010 ppm	-0.0001 ppm	0.0000 ppm	-0.0064 ppm
Concentration per Run	-0.0005 ppm	-0.0005 ppm	0.0008 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0035 ppm
Concentration per Run	-0.0006 ppm	-0.0091 ppm	0.0009 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0048 ppm
Concentration per Run	-0.0005 ppm	-0.0015 ppm	0.0007 ppm	0.0018 ppm	-0.0002 ppm	0.0000 ppm	-0.0109 ppm
Recovery Percentage	-7.698 %	-3.719 %	15.641 %	3.451 %	-0.952 %	0.817 %	-6.411 %
Concentration RSD	10.3 %	125.5 %	11.1 %	91.9 %	134.2 %	21.4 %	60.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0005 ppm	0.0001 ppm	-0.0003 ppm	0.0014 ppm	-0.0278 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	-0.0001 ppm	-0.0003 ppm	0.0006 ppm	-0.0219 ppm	0.0021 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0002 ppm	0.0004 ppm	0.0014 ppm	-0.0221 ppm	0.0015 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0002 ppm	-0.0006 ppm	0.0021 ppm	-0.0394 ppm	-0.0003 ppm
Recovery Percentage	1.310 %	2.699 %	1.080 %	-3.000 %	2.751 %	-1.113 %	22.257 %
Concentration RSD	27.9 %	27.3 %	186.5 %	100.1 %	54.1 %	36.2 %	112.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0032 ppm	-0.0002 ppm	0.0000 ppm	-0.0077 ppm	-0.0005 ppm	0.0005 ppm	-0.0005 ppm
Concentration per Run	-0.0028 ppm	-0.0001 ppm	-0.0005 ppm	-0.0004 ppm	0.0008 ppm	0.0024 ppm	0.0024 ppm
Concentration per Run	-0.0039 ppm	-0.0002 ppm	0.0003 ppm	-0.0085 ppm	-0.0016 ppm	-0.0013 ppm	-0.0013 ppm
Concentration per Run	-0.0028 ppm	-0.0003 ppm	0.0003 ppm	-0.0143 ppm	-0.0007 ppm	0.0009 ppm	-0.0027 ppm
Recovery Percentage	-3.163 %	-1.899 %	0.040 %	-0.386 %	-2.002 %	4.723 %	-1.068 %
Concentration RSD	19.2 %	53.6 %	2.413.3 %	90.2 %	241.4 %	146.8 %	500.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	-0.0024 ppm	0.0005 ppm	0.0000 ppm	-0.0010 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	-0.0018 ppm	-0.0021 ppm	0.0000 ppm	0.0000 ppm	-0.0013 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0031 ppm	-0.0029 ppm	0.0003 ppm	0.0000 ppm	-0.0007 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0030 ppm	-0.0022 ppm	0.0011 ppm	-0.0001 ppm	-0.0010 ppm	0.0006 ppm	-0.0005 ppm
Recovery Percentage	14.226 %	-0.485 %	0.932 %	-0.456 %	-9.817 %	3.128 %	-2.378 %
Concentration RSD	196.2 %	18.7 %	130.7 %	149.0 %	28.9 %	48.7 %	107.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	98.2233 %	95.6580 %	96.9631 %	98.8220 %	97.5934 %	97.2485 %
Concentration per Run	0.0002 ppm	98.4566 %	95.9054 %	97.4865 %	98.6499 %	98.0617 %	97.9074 %
Concentration per Run	0.0001 ppm	97.7193 %	96.2564 %	97.1864 %	97.9049 %	96.8449 %	96.4532 %
Concentration per Run	0.0002 ppm	98.4941 %	95.8821 %	97.1463 %	99.9110 %	97.8735 %	97.3850 %
Recovery Percentage	3.451 %						
Concentration RSD	30.2 %	0.4 %	0.4 %	0.7 %	1.0 %	0.7 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2111279-1 WG2111279

Analysis started at: 9/11/2025 10:14:22 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 40

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	0.0114 ppm	0.0003 ppm	-0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0197 ppm
Concentration per Run	-0.0007 ppm	0.0039 ppm	0.0006 ppm	-0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0171 ppm
Concentration per Run	-0.0007 ppm	0.0236 ppm	0.0008 ppm	-0.0011 ppm	0.0002 ppm	0.0001 ppm	0.0238 ppm
Concentration per Run	-0.0011 ppm	0.0068 ppm	-0.0005 ppm	-0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0181 ppm
Concentration RSD	26.8 %	93.2 %	238.7 %	24.5 %	49.7 %	27.0 %	18.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0005 ppm	0.0005 ppm	0.0001 ppm	0.0370 ppm	-0.0075 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0007 ppm	0.0005 ppm	0.0380 ppm	0.0033 ppm	0.0033 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0008 ppm	0.0001 ppm	0.0377 ppm	-0.0299 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0354 ppm	-0.0263 ppm	0.0012 ppm
Concentration RSD	258.7 %	43.8 %	47.5 %	24.2 %	3.9 %	478.5 %	61.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0051 ppm	0.0002 ppm	0.0000 ppm	0.0958 ppm	-0.0006 ppm	0.0011 ppm	-0.0003 ppm
Concentration per Run	0.0054 ppm	0.0001 ppm	0.0001 ppm	0.0977 ppm	0.0003 ppm	0.0014 ppm	-0.0010 ppm
Concentration per Run	0.0054 ppm	0.0004 ppm	-0.0001 ppm	0.0981 ppm	-0.0006 ppm	0.0017 ppm	0.0010 ppm
Concentration per Run	0.0046 ppm	0.0001 ppm	-0.0002 ppm	0.0918 ppm	-0.0015 ppm	0.0002 ppm	-0.0010 ppm
Concentration RSD	8.4 %	77.8 %	345.0 %	3.7 %	149.3 %	71.2 %	325.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0008 ppm	0.0159 ppm	0.0102 ppm	0.0000 ppm	-0.0006 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	-0.0008 ppm	0.0159 ppm	0.0108 ppm	0.0000 ppm	-0.0003 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0021 ppm	0.0141 ppm	0.0096 ppm	0.0000 ppm	-0.0007 ppm	0.0009 ppm	-0.0004 ppm
Concentration per Run	0.0011 ppm	0.0177 ppm	0.0103 ppm	0.0001 ppm	-0.0006 ppm	-0.0002 ppm	-0.0002 ppm
Concentration RSD	185.1 %	11.5 %	6.3 %	269.5 %	36.3 %	137.9 %	69.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	98.5241 %	96.0513 %	95.8662 %	98.3829 %	95.9737 %	96.5169 %
Concentration per Run	0.0007 ppm	98.5924 %	96.3485 %	95.7662 %	97.9630 %	96.1147 %	96.4211 %
Concentration per Run	0.0007 ppm	98.7552 %	95.9358 %	95.7552 %	99.3784 %	96.5154 %	96.6819 %
Concentration per Run	0.0009 ppm	98.2248 %	95.6596 %	95.8966 %	97.8074 %	95.2911 %	96.4478 %
Concentration RSD	12.7 %	0.3 %	0.4 %	0.1 %	0.9 %	0.7 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2111279-2d2 WG2111279

Analysis started at: 9/11/2025 10:16:40 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 41

	Ag 328.068	Axial-IFR)	Al 396.152	Radial-IFR)	As 189.042	Axial-eUV)	B 208.959	Axial-IFR)	Ba 455.403	Radial-IFR)	Be 313.042	Radial-IFR)	Ca 315.887	Radial-IFR)
Concentration average		0.3156 ppm		17.2105 ppm		0.7366 ppm		0.7044 ppm		0.8301 ppm		0.6651 ppm		16.9784 ppm
Concentration per Run		0.3173 ppm		17.1972 ppm		0.7361 ppm		0.7084 ppm		0.8292 ppm		0.6656 ppm		17.0051 ppm
Concentration per Run		0.3152 ppm		17.2485 ppm		0.7386 ppm		0.7028 ppm		0.8335 ppm		0.6670 ppm		17.0076 ppm
Concentration per Run		0.3144 ppm		17.1859 ppm		0.7350 ppm		0.7020 ppm		0.8275 ppm		0.6627 ppm		16.9224 ppm
Concentration RSD		0.5 %		0.2 %		0.3 %		0.5 %		0.4 %		0.3 %		0.3 %

	Cd 214.438	Axial-IFR)	Co 228.616	Axial-IFR)	Cr 267.716	Axial-IFR)	Cu 324.754	Axial-IFR)	Fe 259.940	Radial-IFR)	K 766.490	Radial-IFR)	Li 670.776	Radial-IFR)
Concentration average		0.5200 ppm		1.0148 ppm		0.6684 ppm		0.3937 ppm		19.5818 ppm		5.8595 ppm		0.3933 ppm
Concentration per Run		0.5220 ppm		1.0135 ppm		0.6689 ppm		0.3942 ppm		19.5249 ppm		5.8891 ppm		0.3969 ppm
Concentration per Run		0.5193 ppm		1.0182 ppm		0.6678 ppm		0.3937 ppm		19.6738 ppm		5.8639 ppm		0.3938 ppm
Concentration per Run		0.5188 ppm		1.0129 ppm		0.6686 ppm		0.3932 ppm		19.5468 ppm		5.8254 ppm		0.3891 ppm
Concentration RSD		0.3 %		0.3 %		0.1 %		0.1 %		0.4 %		0.5 %		1.0 %

	Mg 279.079	Axial-IFR)	Mn 257.610	Radial-IFR)	Mo 202.030	Axial-IFR)	Na 589.592	Radial-IFR)	Ni 231.604	Axial-IFR)	Pb 220.353	Axial-eUV)	Sb 206.833	Axial-IFR)
Concentration average		6.6356 ppm		1.6450 ppm		0.5902 ppm		7.9700 ppm		0.6507 ppm		0.5832 ppm		0.4602 ppm
Concentration per Run		6.6980 ppm		1.6465 ppm		0.5909 ppm		7.9327 ppm		0.6514 ppm		0.5841 ppm		0.4691 ppm
Concentration per Run		6.5966 ppm		1.6477 ppm		0.5910 ppm		7.9663 ppm		0.6521 ppm		0.5818 ppm		0.4555 ppm
Concentration per Run		6.6124 ppm		1.6409 ppm		0.5886 ppm		8.0109 ppm		0.6486 ppm		0.5837 ppm		0.4561 ppm
Concentration RSD		0.8 %		0.2 %		0.2 %		0.5 %		0.3 %		0.2 %		1.7 %

	Se 196.090	Axial-eUV)	Si 212.412	Axial-IFR)	Sn 189.989	Axial-IFR)	Sr 421.552	Radial-IFR)	Ti 334.904	Axial-IFR)	Tl 190.856	Axial-eUV)	V 292.402	Axial-IFR)
Concentration average		0.3787 ppm		13.2659 ppm		0.3818 ppm		0.8425 ppm		1.3142 ppm		0.7398 ppm		0.6777 ppm
Concentration per Run		0.3765 ppm		13.3588 ppm		0.3808 ppm		0.8432 ppm		1.3245 ppm		0.7423 ppm		0.6787 ppm
Concentration per Run		0.3792 ppm		13.2543 ppm		0.3828 ppm		0.8460 ppm		1.3052 ppm		0.7355 ppm		0.6767 ppm
Concentration per Run		0.3803 ppm		13.1846 ppm		0.3819 ppm		0.8383 ppm		1.3129 ppm		0.7417 ppm		0.6776 ppm
Concentration RSD		0.5 %		0.7 %		0.3 %		0.5 %		0.7 %		0.5 %		0.1 %

	Zn 206.200	Axial-IFR)	Sc 361.384	Radial-IFR)	Sc 361.384	Radial-IFR)	Sc 227.318	Axial-eUV)	Y 360.073	Radial-IFR)	Y 371.030	Radial-IFR)	Y 224.306	Axial-eUV)
Concentration average		1.1741 ppm		97.9502 %		97.2198 %		94.5812 %		100.6261 %		101.6166 %		99.8217 %
Concentration per Run		1.1773 ppm		97.5666 %		97.6907 %		94.8783 %		100.6139 %		101.4409 %		100.3111 %
Concentration per Run		1.1747 ppm		97.8474 %		96.8955 %		94.6909 %		100.2232 %		101.0546 %		99.7827 %
Concentration per Run		1.1704 ppm		98.4368 %		97.0731 %		94.1745 %		101.0411 %		102.3543 %		99.3713 %
Concentration RSD		0.3 %		0.5 %		0.4 %		0.4 %		0.4 %		0.7 %		0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2111279-3d2 WG2111279

Analysis started at: 9/11/2025 10:20:14 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 42

	Ag 328.068	Axial-IFR)	Al 396.152	Radial-IFR)	As 189.042	Axial-eUV)	B 208.959	Axial-IFR)	Ba 455.403	Radial-IFR)	Be 313.042	Radial-IFR)	Ca 315.887	Radial-IFR)
Concentration average	0.3185 ppm		17.6308 ppm		0.7414 ppm		0.7059 ppm		0.9853 ppm		0.6712 ppm		17.0328 ppm	
Concentration per Run	0.3179 ppm		17.6266 ppm		0.7397 ppm		0.7028 ppm		0.9811 ppm		0.6706 ppm		16.9482 ppm	
Concentration per Run	0.3185 ppm		17.6340 ppm		0.7435 ppm		0.7088 ppm		0.9879 ppm		0.6715 ppm		17.0821 ppm	
Concentration per Run	0.3191 ppm		17.6318 ppm		0.7412 ppm		0.7061 ppm		0.9870 ppm		0.6715 ppm		17.0680 ppm	
Concentration RSD	0.2 %		0.0 %		0.3 %		0.4 %		0.4 %		0.1 %		0.4 %	

	Cd 214.438	Axial-IFR)	Co 228.616	Axial-IFR)	Cr 267.716	Axial-IFR)	Cu 324.754	Axial-IFR)	Fe 259.940	Radial-IFR)	K 766.490	Radial-IFR)	Li 670.776	Radial-IFR)
Concentration average	0.4920 ppm		1.0217 ppm		0.6866 ppm		0.3974 ppm		20.2086 ppm		5.8893 ppm		0.3987 ppm	
Concentration per Run	0.4909 ppm		1.0199 ppm		0.6850 ppm		0.3972 ppm		20.2032 ppm		5.8559 ppm		0.3961 ppm	
Concentration per Run	0.4931 ppm		1.0230 ppm		0.6893 ppm		0.3980 ppm		20.2155 ppm		5.9075 ppm		0.4003 ppm	
Concentration per Run	0.4920 ppm		1.0223 ppm		0.6856 ppm		0.3969 ppm		20.2071 ppm		5.9043 ppm		0.3996 ppm	
Concentration RSD	0.2 %		0.2 %		0.3 %		0.1 %		0.0 %		0.5 %		0.6 %	

	Mg 279.079	Axial-IFR)	Mn 257.610	Radial-IFR)	Mo 202.030	Axial-IFR)	Na 589.592	Radial-IFR)	Ni 231.604	Axial-IFR)	Pb 220.353	Axial-eUV)	Sb 206.833	Axial-IFR)
Concentration average	6.6599 ppm		1.6181 ppm		0.5928 ppm		7.9770 ppm		0.6595 ppm		0.5806 ppm		0.4606 ppm	
Concentration per Run	6.6291 ppm		1.6085 ppm		0.5905 ppm		8.0006 ppm		0.6587 ppm		0.5813 ppm		0.4604 ppm	
Concentration per Run	6.6728 ppm		1.6276 ppm		0.5949 ppm		7.9570 ppm		0.6822 ppm		0.5818 ppm		0.4606 ppm	
Concentration per Run	6.6779 ppm		1.6181 ppm		0.5929 ppm		7.9734 ppm		0.6576 ppm		0.5789 ppm		0.4608 ppm	
Concentration RSD	0.4 %		0.6 %		0.4 %		0.3 %		0.4 %		0.3 %		0.0 %	

	Se 196.090	Axial-eUV)	Si 212.412	Axial-IFR)	Sn 189.989	Axial-IFR)	Sr 421.552	Radial-IFR)	Ti 334.904	Axial-IFR)	Tl 190.856	Axial-eUV)	V 292.402	Axial-IFR)
Concentration average	0.3890 ppm		12.9691 ppm		0.9238 ppm		0.9201 ppm		1.3074 ppm		0.6928 ppm		0.6914 ppm	
Concentration per Run	0.3879 ppm		12.9216 ppm		0.9216 ppm		0.9201 ppm		1.2975 ppm		0.6900 ppm		0.6888 ppm	
Concentration per Run	0.3885 ppm		12.9971 ppm		0.9254 ppm		0.9258 ppm		1.3088 ppm		0.6946 ppm		0.6920 ppm	
Concentration per Run	0.3907 ppm		12.9887 ppm		0.9258 ppm		0.9258 ppm		1.3159 ppm		0.6938 ppm		0.6933 ppm	
Concentration RSD	0.4 %		0.3 %		0.6 %		0.3 %		0.7 %		0.4 %		0.3 %	

	Zn 206.200	Axial-IFR)	Sc 361.384	Radial-IFR)	Sc 361.384	Radial-IFR)	Sc 227.318	Axial-eUV)	Y 360.073	Axial-IFR)	Y 371.030	Radial-IFR)	Y 224.306	Axial-eUV)
Concentration average	1.1771 ppm		99.0588 %		96.7835 %		94.6206 %		102.1615 %		101.7784 %		100.5431 %	
Concentration per Run	1.1765 ppm		99.3727 %		96.3360 %		94.4443 %		102.3279 %		101.8217 %		100.6112 %	
Concentration per Run	1.1824 ppm		98.4204 %		97.2528 %		94.9741 %		101.5358 %		102.0271 %		100.8540 %	
Concentration per Run	1.1724 ppm		99.3832 %		96.7617 %		94.4433 %		102.6208 %		101.4863 %		100.1641 %	
Concentration RSD	0.4 %		0.6 %		0.5 %		0.3 %		0.5 %		0.3 %		0.3 %	

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-01d2 WG2111279

Analysis started at: 9/11/2025 10:22:21 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 43

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	70.3027 ppm	0.0538 ppm	0.0022 ppm	0.2246 ppm	0.0032 ppm	12.8754 ppm
Concentration per Run	-0.0003 ppm	70.1661 ppm	0.0518 ppm	0.0033 ppm	0.2239 ppm	0.0032 ppm	12.8837 ppm
Concentration per Run	-0.0005 ppm	70.5603 ppm	0.0558 ppm	0.0016 ppm	0.2257 ppm	0.0033 ppm	12.8987 ppm
Concentration per Run	-0.0002 ppm	70.1816 ppm	0.0538 ppm	0.0015 ppm	0.2243 ppm	0.0031 ppm	12.8439 ppm
Concentration RSD	48.1 %	0.3 %	3.7 %	47.2 %	0.4 %	2.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0334 ppm	0.1067 ppm	0.1186 ppm	88.3049 ppm	9.7715 ppm	0.1321 ppm
Concentration per Run	0.0006 ppm	0.0331 ppm	0.1078 ppm	0.1182 ppm	88.1169 ppm	9.7697 ppm	0.1335 ppm
Concentration per Run	0.0006 ppm	0.0333 ppm	0.1065 ppm	0.1186 ppm	88.2568 ppm	9.7948 ppm	0.1319 ppm
Concentration per Run	0.0006 ppm	0.0337 ppm	0.1059 ppm	0.1189 ppm	88.5409 ppm	9.7499 ppm	0.1308 ppm
Concentration RSD	5.6 %	0.8 %	0.9 %	0.3 %	0.2 %	0.2 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.7077 ppm	1.4640 ppm	0.0024 ppm	0.6989 ppm	0.0718 ppm	0.1040 ppm	-0.0014 ppm
Concentration per Run	22.7928 ppm	1.4607 ppm	0.0029 ppm	0.7001 ppm	0.0724 ppm	0.1058 ppm	-0.0025 ppm
Concentration per Run	22.7574 ppm	1.4692 ppm	0.0021 ppm	0.7021 ppm	0.0716 ppm	0.1037 ppm	-0.0013 ppm
Concentration per Run	22.5729 ppm	1.4620 ppm	0.0023 ppm	0.6946 ppm	0.0716 ppm	0.1026 ppm	-0.0005 ppm
Concentration RSD	0.5 %	0.3 %	18.2 %	0.6 %	0.7 %	1.6 %	70.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0024 ppm	11.2287 ppm	0.0098 ppm	0.0376 ppm	3.5650 ppm	0.0014 ppm	0.1380 ppm
Concentration per Run	0.0019 ppm	11.2380 ppm	0.0098 ppm	0.0379 ppm	3.5657 ppm	0.0004 ppm	0.1379 ppm
Concentration per Run	-0.0002 ppm	11.2925 ppm	0.0101 ppm	0.0375 ppm	3.5795 ppm	0.0011 ppm	0.1382 ppm
Concentration per Run	0.0054 ppm	11.1555 ppm	0.0095 ppm	0.0375 ppm	3.5498 ppm	0.0027 ppm	0.1378 ppm
Concentration RSD	119.8 %	0.6 %	2.9 %	0.6 %	0.4 %	85.3 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1862 ppm	98.9494 %	98.5430 %	93.7631 %	108.3881 %	110.3176 %	107.9633 %
Concentration per Run	0.1851 ppm	98.8414 %	99.2948 %	93.8832 %	108.3794 %	110.7189 %	108.1113 %
Concentration per Run	0.1866 ppm	99.1916 %	97.7525 %	94.2087 %	108.5859 %	110.0238 %	108.4544 %
Concentration per Run	0.1870 ppm	98.8152 %	98.5817 %	93.1973 %	108.1988 %	110.2101 %	107.3244 %
Concentration RSD	0.5 %	0.2 %	0.8 %	0.6 %	0.2 %	0.3 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-03d2 WG2111279

Analysis started at: 9/11/2025 10:24:27 PM

Comment <Comment>

Rack Number 3

Vial Numbers 44

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	65.7560 ppm	0.0490 ppm	0.0019 ppm	0.2293 ppm	0.0031 ppm	10.6571 ppm
Concentration per Run	-0.0002 ppm	65.7272 ppm	0.0524 ppm	0.0019 ppm	0.2285 ppm	0.0031 ppm	10.6440 ppm
Concentration per Run	-0.0008 ppm	65.6893 ppm	0.0471 ppm	0.0016 ppm	0.2281 ppm	0.0031 ppm	10.6553 ppm
Concentration per Run	-0.0011 ppm	65.8514 ppm	0.0476 ppm	0.0022 ppm	0.2312 ppm	0.0031 ppm	10.6721 ppm
Concentration RSD	70.4 %	0.1 %	6.0 %	16.0 %	0.7 %	0.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0422 ppm	0.0429 ppm	0.1051 ppm	0.0967 ppm	10.9584 ppm	0.1261 ppm
Concentration per Run	0.0004 ppm	0.0429 ppm	0.0429 ppm	0.1056 ppm	0.0966 ppm	10.8910 ppm	0.1249 ppm
Concentration per Run	0.0004 ppm	0.0423 ppm	0.0423 ppm	0.1051 ppm	0.0969 ppm	10.9340 ppm	0.1249 ppm
Concentration per Run	0.0003 ppm	0.0414 ppm	0.0414 ppm	0.1045 ppm	0.0968 ppm	11.0503 ppm	0.1286 ppm
Concentration RSD	13.6 %	1.8 %	1.8 %	0.5 %	0.1 %	0.8 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.1980 ppm	1.4118 ppm	0.0026 ppm	0.6626 ppm	0.0759 ppm	0.0991 ppm	-0.0002 ppm
Concentration per Run	21.8215 ppm	1.4094 ppm	0.0027 ppm	0.6680 ppm	0.0764 ppm	0.0993 ppm	-0.0043 ppm
Concentration per Run	22.3573 ppm	1.4084 ppm	0.0027 ppm	0.6641 ppm	0.0762 ppm	0.0999 ppm	-0.0018 ppm
Concentration per Run	22.4153 ppm	1.4206 ppm	0.0022 ppm	0.6558 ppm	0.0751 ppm	0.0981 ppm	0.0055 ppm
Concentration RSD	1.5 %	0.6 %	11.0 %	0.9 %	0.9 %	0.9 %	3.016.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	9.3328 ppm	0.0080 ppm	0.0328 ppm	3.3279 ppm	0.0016 ppm	0.1236 ppm
Concentration per Run	-0.0035 ppm	9.2691 ppm	0.0075 ppm	0.0329 ppm	3.2693 ppm	0.0028 ppm	0.1222 ppm
Concentration per Run	-0.0007 ppm	9.3811 ppm	0.0078 ppm	0.0326 ppm	3.3583 ppm	0.0016 ppm	0.1247 ppm
Concentration per Run	0.0042 ppm	9.3480 ppm	0.0088 ppm	0.0329 ppm	3.3561 ppm	0.0005 ppm	0.1239 ppm
Concentration RSD	111,210.0 %	0.6 %	8.3 %	0.6 %	1.5 %	71.2 %	1.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1899 ppm	99.0945 %	99.0420 %	94.8443 %	106.6755 %	108.3410 %	106.9264 %
Concentration per Run	0.1892 ppm	99.0726 %	99.0018 %	94.0472 %	106.0059 %	109.2061 %	105.9920 %
Concentration per Run	0.1906 ppm	99.7239 %	99.7234 %	95.2765 %	107.2230 %	109.2623 %	107.5587 %
Concentration per Run	0.1897 ppm	98.9870 %	98.4009 %	95.2092 %	106.7976 %	106.5547 %	107.2286 %
Concentration RSD	0.4 %	0.1 %	0.7 %	0.7 %	0.6 %	1.4 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-05d2 WG2111279

Analysis started at: 9/11/2025 10:26:33 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 45

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	67.3969 ppm	0.0481 ppm	0.0015 ppm	0.2063 ppm	0.0031 ppm	12.3858 ppm
Concentration per Run	-0.0009 ppm	67.5119 ppm	0.0479 ppm	0.0017 ppm	0.2066 ppm	0.0031 ppm	12.3718 ppm
Concentration per Run	-0.0008 ppm	67.4212 ppm	0.0484 ppm	0.0013 ppm	0.2065 ppm	0.0032 ppm	12.4335 ppm
Concentration per Run	0.0001 ppm	67.2576 ppm	0.0480 ppm	0.0015 ppm	0.2059 ppm	0.0031 ppm	12.3522 ppm
Concentration RSD	102.8 %	0.2 %	0.5 %	13.8 %	0.2 %	1.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0360 ppm	0.0910 ppm	0.0858 ppm	88.9710 ppm	9.4895 ppm	0.1372 ppm
Concentration per Run	0.0006 ppm	0.0361 ppm	0.0908 ppm	0.0860 ppm	89.4466 ppm	9.4762 ppm	0.1400 ppm
Concentration per Run	0.0003 ppm	0.0359 ppm	0.0913 ppm	0.0855 ppm	88.9792 ppm	9.5279 ppm	0.1353 ppm
Concentration per Run	0.0003 ppm	0.0361 ppm	0.0909 ppm	0.0858 ppm	88.4873 ppm	9.4642 ppm	0.1363 ppm
Concentration RSD	48.9 %	0.3 %	0.3 %	0.3 %	0.5 %	0.4 %	1.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	24.1343 ppm	1.7455 ppm	0.0022 ppm	0.4843 ppm	0.0613 ppm	0.2183 ppm	0.0010 ppm
Concentration per Run	23.8159 ppm	1.7505 ppm	0.0019 ppm	0.4867 ppm	0.0613 ppm	0.2183 ppm	-0.0006 ppm
Concentration per Run	24.3906 ppm	1.7402 ppm	0.0019 ppm	0.4789 ppm	0.0618 ppm	0.2183 ppm	0.0020 ppm
Concentration per Run	24.1964 ppm	1.7459 ppm	0.0027 ppm	0.4874 ppm	0.0608 ppm	0.2183 ppm	0.0016 ppm
Concentration RSD	1.2 %	0.3 %	19.9 %	1.0 %	0.7 %	0.0 %	141.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	8.8381 ppm	0.0081 ppm	0.0325 ppm	3.5157 ppm	-0.0004 ppm	0.1394 ppm
Concentration per Run	0.0013 ppm	8.8122 ppm	0.0083 ppm	0.0326 ppm	3.4696 ppm	-0.0003 ppm	0.1390 ppm
Concentration per Run	0.0000 ppm	8.8762 ppm	0.0079 ppm	0.0325 ppm	3.5567 ppm	-0.0001 ppm	0.1397 ppm
Concentration per Run	-0.0008 ppm	8.8260 ppm	0.0080 ppm	0.0323 ppm	3.5207 ppm	-0.0008 ppm	0.1396 ppm
Concentration RSD	736.8 %	0.4 %	2.6 %	0.4 %	1.2 %	91.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1871 ppm	99.2520 %	98.4956 %	93.2963 %	107.6629 %	108.8175 %	106.3476 %
Concentration per Run	0.1874 ppm	99.3482 %	98.6118 %	93.4915 %	107.6217 %	108.5656 %	106.7845 %
Concentration per Run	0.1880 ppm	98.7272 %	98.1223 %	92.9725 %	107.2464 %	107.4242 %	105.8446 %
Concentration per Run	0.1858 ppm	99.6807 %	98.7529 %	93.4250 %	108.1206 %	110.4628 %	106.4136 %
Concentration RSD	0.6 %	0.5 %	0.3 %	0.3 %	0.4 %	1.4 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-07d2 WG2111279

Analysis started at: 9/11/2025 10:28:40 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 46

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	94.7785 ppm	0.0592 ppm	0.0023 ppm	0.2799 ppm	0.0037 ppm	10.7101 ppm
Concentration per Run	-0.0012 ppm	94.8985 ppm	0.0602 ppm	0.0025 ppm	0.2795 ppm	0.0037 ppm	10.6986 ppm
Concentration per Run	-0.0006 ppm	94.9399 ppm	0.0597 ppm	0.0022 ppm	0.2817 ppm	0.0037 ppm	10.6963 ppm
Concentration per Run	0.0000 ppm	94.4970 ppm	0.0577 ppm	0.0023 ppm	0.2786 ppm	0.0037 ppm	10.7353 ppm
Concentration RSD	100.8 %	0.3 %	2.2 %	5.7 %	0.6 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0338 ppm	0.1703 ppm	0.0842 ppm	102.4150 ppm	18.0891 ppm	0.1994 ppm
Concentration per Run	0.0004 ppm	0.0338 ppm	0.1697 ppm	0.0844 ppm	102.6256 ppm	18.0234 ppm	0.2017 ppm
Concentration per Run	0.0006 ppm	0.0339 ppm	0.1707 ppm	0.0841 ppm	102.7500 ppm	18.1303 ppm	0.1967 ppm
Concentration per Run	0.0005 ppm	0.0336 ppm	0.1705 ppm	0.0840 ppm	101.8693 ppm	18.1136 ppm	0.1999 ppm
Concentration RSD	22.7 %	0.4 %	0.3 %	0.3 %	0.5 %	0.3 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	30.1198 ppm	1.2905 ppm	0.0030 ppm	0.7934 ppm	0.0870 ppm	0.0960 ppm	0.0017 ppm
Concentration per Run	30.0525 ppm	1.2921 ppm	0.0032 ppm	0.7994 ppm	0.0874 ppm	0.0969 ppm	0.0045 ppm
Concentration per Run	30.0513 ppm	1.2958 ppm	0.0033 ppm	0.7905 ppm	0.0867 ppm	0.0951 ppm	-0.0006 ppm
Concentration per Run	30.2557 ppm	1.2836 ppm	0.0027 ppm	0.7902 ppm	0.0870 ppm	0.0959 ppm	0.0013 ppm
Concentration RSD	0.4 %	0.5 %	9.9 %	0.7 %	0.4 %	0.9 %	150.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	10.7198 ppm	0.0103 ppm	0.0418 ppm	5.4828 ppm	0.0019 ppm	0.1966 ppm
Concentration per Run	-0.0034 ppm	10.7608 ppm	0.0114 ppm	0.0418 ppm	5.4747 ppm	0.0028 ppm	0.1962 ppm
Concentration per Run	0.0053 ppm	10.7327 ppm	0.0095 ppm	0.0420 ppm	5.4673 ppm	0.0007 ppm	0.1962 ppm
Concentration per Run	0.0036 ppm	10.6659 ppm	0.0099 ppm	0.0417 ppm	5.5063 ppm	0.0021 ppm	0.1973 ppm
Concentration RSD	248.8 %	0.5 %	10.0 %	0.3 %	0.4 %	57.2 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2242 ppm	99.0969 %	98.0913 %	93.0743 %	106.3721 %	107.0075 %	105.4126 %
Concentration per Run	0.2231 ppm	99.2569 %	98.2677 %	93.1215 %	106.3261 %	108.0404 %	105.5050 %
Concentration per Run	0.2246 ppm	99.0410 %	98.2656 %	92.8558 %	106.3363 %	107.7483 %	105.0541 %
Concentration per Run	0.2249 ppm	98.9928 %	97.7406 %	93.2457 %	106.4540 %	105.2337 %	105.6788 %
Concentration RSD	0.4 %	0.1 %	0.3 %	0.2 %	0.1 %	1.4 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-13d2 WG2111279

Analysis started at: 9/11/2025 10:30:47 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 47

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	68.2394 ppm	0.0589 ppm	0.0010 ppm	0.2244 ppm	0.0031 ppm	10.3272 ppm
Concentration per Run	-0.0005 ppm	68.3906 ppm	0.0582 ppm	0.0005 ppm	0.2259 ppm	0.0031 ppm	10.3295 ppm
Concentration per Run	-0.0011 ppm	68.0004 ppm	0.0588 ppm	0.0028 ppm	0.2236 ppm	0.0031 ppm	10.3096 ppm
Concentration per Run	-0.0006 ppm	68.3273 ppm	0.0598 ppm	-0.0001 ppm	0.2236 ppm	0.0031 ppm	10.3426 ppm
Concentration RSD	46.3 %	0.3 %	1.4 %	143.9 %	0.6 %	0.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0308 ppm	0.1176 ppm	0.0894 ppm	78.7458 ppm	8.0007 ppm	0.1075 ppm
Concentration per Run	0.0005 ppm	0.0304 ppm	0.1143 ppm	0.0895 ppm	78.9198 ppm	8.0517 ppm	0.1094 ppm
Concentration per Run	0.0005 ppm	0.0309 ppm	0.1140 ppm	0.0889 ppm	78.3128 ppm	7.9516 ppm	0.1058 ppm
Concentration per Run	0.0006 ppm	0.0311 ppm	0.1141 ppm	0.0899 ppm	79.0046 ppm	7.9989 ppm	0.1072 ppm
Concentration RSD	9.5 %	1.1 %	0.1 %	0.5 %	0.5 %	0.6 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	18.8476 ppm	1.1176 ppm	0.0025 ppm	0.5017 ppm	0.0705 ppm	0.1257 ppm	0.0032 ppm
Concentration per Run	18.9171 ppm	1.1206 ppm	0.0023 ppm	0.5052 ppm	0.0714 ppm	0.1258 ppm	0.0041 ppm
Concentration per Run	18.7825 ppm	1.1144 ppm	0.0027 ppm	0.5073 ppm	0.0706 ppm	0.1253 ppm	0.0023 ppm
Concentration per Run	18.8432 ppm	1.1178 ppm	0.0025 ppm	0.4926 ppm	0.0695 ppm	0.1260 ppm	0.0032 ppm
Concentration RSD	0.4 %	0.3 %	7.1 %	1.6 %	1.4 %	0.3 %	28.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	7.1144 ppm	0.0091 ppm	0.0370 ppm	3.3614 ppm	0.0011 ppm	0.1217 ppm
Concentration per Run	0.0010 ppm	7.1582 ppm	0.0096 ppm	0.0372 ppm	3.3791 ppm	0.0010 ppm	0.1221 ppm
Concentration per Run	0.0024 ppm	7.0776 ppm	0.0089 ppm	0.0368 ppm	3.3529 ppm	0.0011 ppm	0.1211 ppm
Concentration per Run	0.0008 ppm	7.1074 ppm	0.0089 ppm	0.0370 ppm	3.3521 ppm	0.0013 ppm	0.1218 ppm
Concentration RSD	60.4 %	0.6 %	4.2 %	0.5 %	0.5 %	11.7 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1841 ppm	97.1489 %	97.4236 %	92.8234 %	104.8225 %	107.8174 %	104.9241 %
Concentration per Run	0.1842 ppm	96.6671 %	98.3426 %	92.9766 %	104.3154 %	109.1127 %	105.5621 %
Concentration per Run	0.1843 ppm	97.4849 %	96.5212 %	92.4444 %	104.9455 %	106.2050 %	104.2191 %
Concentration per Run	0.1838 ppm	97.2947 %	97.4069 %	93.0493 %	105.2065 %	108.1346 %	104.9910 %
Concentration RSD	0.1 %	0.4 %	0.9 %	0.4 %	0.4 %	1.4 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-17d2 WG2111279

Analysis started at: 9/11/2025 10:32:54 PM

Comment <Comment>

Rack Number 3

Vial Numbers 48

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	75.1334 ppm	0.0587 ppm	0.0016 ppm	0.2508 ppm	0.0029 ppm	6.5232 ppm
Concentration per Run	-0.0001 ppm	75.1774 ppm	0.0589 ppm	0.0005 ppm	0.2518 ppm	0.0029 ppm	6.5289 ppm
Concentration per Run	-0.0001 ppm	75.2943 ppm	0.0588 ppm	0.0026 ppm	0.2498 ppm	0.0029 ppm	6.5315 ppm
Concentration per Run	-0.0001 ppm	74.9284 ppm	0.0584 ppm	0.0016 ppm	0.2509 ppm	0.0028 ppm	6.5091 ppm
Concentration RSD	49.0 %	0.2 %	0.5 %	65.7 %	0.4 %	1.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0265 ppm	0.1004 ppm	0.0703 ppm	78.3061 ppm	10.6109 ppm	0.1048 ppm
Concentration per Run	0.0003 ppm	0.0264 ppm	0.1014 ppm	0.0717 ppm	78.7380 ppm	10.6582 ppm	0.1050 ppm
Concentration per Run	0.0004 ppm	0.0265 ppm	0.0995 ppm	0.0684 ppm	77.9898 ppm	10.5678 ppm	0.1041 ppm
Concentration per Run	0.0003 ppm	0.0266 ppm	0.1003 ppm	0.0708 ppm	78.1906 ppm	10.6067 ppm	0.1054 ppm
Concentration RSD	20.3 %	0.4 %	1.0 %	2.4 %	0.5 %	0.4 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.2320 ppm	0.8907 ppm	0.0033 ppm	0.3898 ppm	0.0643 ppm	0.1141 ppm	-0.0027 ppm
Concentration per Run	17.1968 ppm	0.8919 ppm	0.0033 ppm	0.3916 ppm	0.0644 ppm	0.1145 ppm	-0.0024 ppm
Concentration per Run	17.2047 ppm	0.8923 ppm	0.0034 ppm	0.3935 ppm	0.0646 ppm	0.1137 ppm	-0.0022 ppm
Concentration per Run	17.2946 ppm	0.8881 ppm	0.0033 ppm	0.3844 ppm	0.0639 ppm	0.1140 ppm	-0.0035 ppm
Concentration RSD	0.3 %	0.3 %	2.7 %	1.2 %	0.5 %	0.4 %	26.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	8.8451 ppm	0.0128 ppm	0.0270 ppm	3.9299 ppm	0.0011 ppm	0.1343 ppm
Concentration per Run	0.0025 ppm	8.9117 ppm	0.0121 ppm	0.0270 ppm	3.9205 ppm	0.0022 ppm	0.1348 ppm
Concentration per Run	-0.0014 ppm	8.8073 ppm	0.0135 ppm	0.0271 ppm	3.9290 ppm	0.0004 ppm	0.1342 ppm
Concentration per Run	0.0033 ppm	8.8163 ppm	0.0129 ppm	0.0269 ppm	3.9402 ppm	0.0007 ppm	0.1341 ppm
Concentration RSD	170.3 %	0.7 %	5.6 %	0.4 %	0.3 %	89.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1892 ppm	99.3706 %	99.5099 %	94.5430 %	104.2327 %	106.5160 %	103.9826 %
Concentration per Run	0.1905 ppm	98.6431 %	100.0029 %	94.1658 %	103.2140 %	107.5763 %	103.4059 %
Concentration per Run	0.1873 ppm	99.4406 %	99.0399 %	94.6217 %	104.3926 %	105.7180 %	104.0613 %
Concentration per Run	0.1899 ppm	100.0279 %	99.4869 %	94.8415 %	105.0915 %	106.2537 %	104.4807 %
Concentration RSD	0.9 %	0.7 %	0.5 %	0.4 %	0.9 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-19d2 WG2111279

Analysis started at: 9/11/2025 10:35:00 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 49

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	69.0369 ppm	0.0483 ppm	0.0001 ppm	0.1506 ppm	0.0027 ppm	6.8961 ppm
Concentration per Run	-0.0006 ppm	69.4136 ppm	0.0481 ppm	0.0009 ppm	0.1518 ppm	0.0027 ppm	6.9193 ppm
Concentration per Run	-0.0004 ppm	69.0038 ppm	0.0483 ppm	-0.0008 ppm	0.1504 ppm	0.0027 ppm	6.8983 ppm
Concentration per Run	-0.0010 ppm	68.6934 ppm	0.0483 ppm	0.0002 ppm	0.1495 ppm	0.0027 ppm	6.8706 ppm
Concentration RSD	45.5 %	0.5 %	0.3 %	84.19 %	0.8 %	0.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0330 ppm	0.1450 ppm	0.0676 ppm	70.7315 ppm	5.1502 ppm	0.0942 ppm
Concentration per Run	0.0003 ppm	0.0323 ppm	0.1449 ppm	0.0681 ppm	70.8915 ppm	5.1924 ppm	0.0955 ppm
Concentration per Run	0.0004 ppm	0.0334 ppm	0.1449 ppm	0.0671 ppm	70.6158 ppm	5.1491 ppm	0.0944 ppm
Concentration per Run	0.0003 ppm	0.0332 ppm	0.1452 ppm	0.0674 ppm	70.6872 ppm	5.1092 ppm	0.0925 ppm
Concentration RSD	7.1 %	1.7 %	0.1 %	0.7 %	0.2 %	0.8 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	16.5206 ppm	0.7899 ppm	0.0029 ppm	0.3086 ppm	0.1206 ppm	0.0667 ppm	0.0003 ppm
Concentration per Run	16.5077 ppm	0.7921 ppm	0.0030 ppm	0.3101 ppm	0.1210 ppm	0.0665 ppm	0.0018 ppm
Concentration per Run	16.6001 ppm	0.7896 ppm	0.0025 ppm	0.3130 ppm	0.1214 ppm	0.0663 ppm	-0.0030 ppm
Concentration per Run	16.4540 ppm	0.7879 ppm	0.0030 ppm	0.3029 ppm	0.1193 ppm	0.0674 ppm	0.0020 ppm
Concentration RSD	0.4 %	0.3 %	10.1 %	1.7 %	0.9 %	0.9 %	1,012.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	9.7004 ppm	0.0070 ppm	0.0269 ppm	2.6062 ppm	0.0008 ppm	0.1045 ppm
Concentration per Run	0.0013 ppm	9.7124 ppm	0.0076 ppm	0.0269 ppm	2.5995 ppm	-0.0022 ppm	0.1048 ppm
Concentration per Run	0.0018 ppm	9.7403 ppm	0.0077 ppm	0.0271 ppm	2.6295 ppm	0.0021 ppm	0.1043 ppm
Concentration per Run	0.0017 ppm	9.6483 ppm	0.0057 ppm	0.0266 ppm	2.5897 ppm	0.0025 ppm	0.1045 ppm
Concentration RSD	14.6 %	0.5 %	15.7 %	0.8 %	0.8 %	323.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1734 ppm	97.2925 %	96.9397 %	92.9885 %	101.5650 %	103.0361 %	101.5376 %
Concentration per Run	0.1728 ppm	96.8769 %	97.2487 %	92.7219 %	101.1559 %	102.6812 %	101.7598 %
Concentration per Run	0.1747 ppm	97.9451 %	97.3344 %	93.8217 %	102.4968 %	103.6836 %	102.2706 %
Concentration per Run	0.1726 ppm	97.0556 %	96.2361 %	92.4220 %	101.0421 %	102.7434 %	100.5825 %
Concentration RSD	0.7 %	0.6 %	0.6 %	0.8 %	0.8 %	0.5 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 10:37:07 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5087 ppm	0.4937 ppm	0.4814 ppm	0.4718 ppm	0.4991 ppm	0.5111 ppm	0.4938 ppm
Concentration per Run	0.5077 ppm	0.4974 ppm	0.4822 ppm	0.4696 ppm	0.4977 ppm	0.5113 ppm	0.4944 ppm
Concentration per Run	0.5100 ppm	0.4896 ppm	0.4816 ppm	0.4756 ppm	0.5014 ppm	0.5120 ppm	0.4933 ppm
Concentration per Run	0.5085 ppm	0.4941 ppm	0.4803 ppm	0.4703 ppm	0.4981 ppm	0.5100 ppm	0.4937 ppm
Recovery Percentage	101.745 %	98.737 %	96.273 %	94.369 %	99.812 %	102.221 %	98.757 %
Concentration RSD	0.2 %	0.8 %	0.2 %	0.7 %	0.4 %	0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5100 ppm	0.5087 ppm	0.5156 ppm	0.5271 ppm	0.4998 ppm	5.1523 ppm	0.5195 ppm
Concentration per Run	0.5083 ppm	0.5060 ppm	0.5136 ppm	0.5251 ppm	0.5027 ppm	5.1589 ppm	0.5253 ppm
Concentration per Run	0.5125 ppm	0.5092 ppm	0.5195 ppm	0.5312 ppm	0.4967 ppm	5.1473 ppm	0.5157 ppm
Concentration per Run	0.5092 ppm	0.5110 ppm	0.5138 ppm	0.5250 ppm	0.5000 ppm	5.1508 ppm	0.5175 ppm
Recovery Percentage	102.001 %	101.743 %	103.127 %	105.418 %	99.963 %	103.047 %	103.905 %
Concentration RSD	0.4 %	0.5 %	0.7 %	0.7 %	0.6 %	0.1 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5228 ppm	0.5023 ppm	0.4819 ppm	10.1212 ppm	0.5163 ppm	0.5121 ppm	0.5114 ppm
Concentration per Run	0.5195 ppm	0.5031 ppm	0.4791 ppm	10.0284 ppm	0.5121 ppm	0.5132 ppm	0.5129 ppm
Concentration per Run	0.5274 ppm	0.5031 ppm	0.4845 ppm	10.1487 ppm	0.5201 ppm	0.5096 ppm	0.5091 ppm
Concentration per Run	0.5216 ppm	0.5006 ppm	0.4821 ppm	10.1864 ppm	0.5167 ppm	0.5135 ppm	0.5123 ppm
Recovery Percentage	104.570 %	100.458 %	96.380 %	101.212 %	103.262 %	102.418 %	102.286 %
Concentration RSD	0.8 %	0.3 %	0.6 %	0.8 %	0.8 %	0.4 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4755 ppm	5.4601 ppm	0.4916 ppm	0.5140 ppm	0.5142 ppm	0.4847 ppm	0.5197 ppm
Concentration per Run	0.4789 ppm	5.4490 ppm	0.4872 ppm	0.5117 ppm	0.5129 ppm	0.4854 ppm	0.5192 ppm
Concentration per Run	0.4740 ppm	5.4793 ppm	0.4978 ppm	0.5167 ppm	0.5174 ppm	0.4834 ppm	0.5209 ppm
Concentration per Run	0.4737 ppm	5.4519 ppm	0.4898 ppm	0.5135 ppm	0.5122 ppm	0.4853 ppm	0.5190 ppm
Recovery Percentage	95.101 %	104.002 %	98.323 %	102.791 %	102.836 %	96.933 %	103.940 %
Concentration RSD	0.6 %	0.3 %	1.1 %	0.5 %	0.6 %	0.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4839 ppm	97.1821 %	94.7760 %	95.6546 %	95.5461 %	94.8552 %	94.8107 %
Concentration per Run	0.4819 ppm	97.9198 %	93.8679 %	95.5639 %	96.1010 %	93.3826 %	94.9871 %
Concentration per Run	0.4872 ppm	96.8210 %	94.4963 %	95.9131 %	95.3263 %	93.2017 %	94.7299 %
Concentration per Run	0.4827 ppm	96.8055 %	95.9639 %	95.4869 %	95.2110 %	95.9814 %	94.7151 %
Recovery Percentage	96.783 %						
Concentration RSD	0.6 %	0.7 %	1.1 %	0.2 %	0.5 %	1.4 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 10:39:13 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0016 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0040 ppm
Concentration per Run	-0.0007 ppm	0.0027 ppm	0.0038 ppm	0.0038 ppm	0.0000 ppm	0.0000 ppm	-0.0042 ppm
Concentration per Run	-0.0007 ppm	-0.0093 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0026 ppm
Concentration per Run	-0.0002 ppm	0.0017 ppm	-0.0005 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0053 ppm
Recovery Percentage	-7.674 %	-1.635 %	18.759 %	1.004 %	-0.209 %	0.866 %	-4.041 %
Concentration RSD	46.4 %	404.4 %	266.9 %	71.7 %	191.3 %	30.2 %	34.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0008 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0135 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0008 ppm	0.0005 ppm	0.0017 ppm	0.0002 ppm	-0.0028 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	0.0009 ppm	0.0009 ppm	-0.0009 ppm	-0.0336 ppm	0.0026 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0005 ppm	-0.0001 ppm	-0.0008 ppm	-0.0071 ppm	0.0011 ppm
Recovery Percentage	0.229 %	3.798 %	0.229 %	-2.200 %	0.449 %	-0.540 %	5.442 %
Concentration RSD	388.7 %	26.8 %	26.8 %	56.3 %	1,042.7 %	131.6 %	1,032.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0009 ppm	-0.0002 ppm	-0.0002 ppm	-0.0003 ppm	-0.0009 ppm	-0.0004 ppm	0.0009 ppm
Concentration per Run	0.0013 ppm	-0.0003 ppm	-0.0003 ppm	-0.0007 ppm	-0.0007 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run	-0.0017 ppm	-0.0002 ppm	-0.0002 ppm	-0.0005 ppm	-0.0007 ppm	-0.0016 ppm	0.0027 ppm
Concentration per Run	-0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0013 ppm	0.0006 ppm	0.0005 ppm
Recovery Percentage	-0.899 %	-1.652 %	-1.652 %	-0.621 %	-3.677 %	-4.237 %	1.895 %
Concentration RSD	213.8 %	82.7 %	82.7 %	45.4 %	38.4 %	254.7 %	166.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	0.0042 ppm	0.0004 ppm	0.0000 ppm	-0.0010 ppm	0.0018 ppm	-0.0001 ppm
Concentration per Run	0.0027 ppm	0.0013 ppm	0.0003 ppm	0.0000 ppm	-0.0012 ppm	0.0027 ppm	0.0000 ppm
Concentration per Run	-0.0009 ppm	0.0051 ppm	-0.0004 ppm	0.0001 ppm	-0.0008 ppm	0.0020 ppm	-0.0002 ppm
Concentration per Run	-0.0008 ppm	0.0061 ppm	-0.0011 ppm	0.0001 ppm	-0.0009 ppm	0.0005 ppm	-0.0001 ppm
Recovery Percentage	3.509 %	0.836 %	-0.812 %	0.394 %	-9.825 %	8.762 %	-1.021 %
Concentration RSD	580.7 %	59.9 %	177.2 %	93.2 %	18.3 %	64.2 %	94.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	96.1673 %	93.6538 %	95.0510 %	96.8210 %	94.6296 %	95.4234 %
Concentration per Run	0.0003 ppm	96.2951 %	93.3312 %	94.3329 %	96.9188 %	94.9561 %	94.5134 %
Concentration per Run	0.0001 ppm	95.6824 %	93.8730 %	95.1650 %	96.4742 %	94.7794 %	95.7101 %
Concentration per Run	0.0004 ppm	96.5243 %	93.7572 %	95.6552 %	97.0700 %	94.1532 %	96.0467 %
Recovery Percentage	5.081 %						
Concentration RSD	64.3 %	0.5 %	0.3 %	0.7 %	0.3 %	0.4 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-21d2 WG2111279

Analysis started at: 9/11/2025 10:42:49 PM

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Rack Number 3

Vial Numbers 50

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	66.6766 ppm	0.0594 ppm	0.0012 ppm	0.1900 ppm	0.0031 ppm	10.6842 ppm
Concentration per Run	-0.0005 ppm	66.6686 ppm	0.0578 ppm	0.0001 ppm	0.1918 ppm	0.0031 ppm	10.7160 ppm
Concentration per Run	-0.0009 ppm	66.5693 ppm	0.0618 ppm	0.0018 ppm	0.1894 ppm	0.0031 ppm	10.6794 ppm
Concentration per Run	-0.0010 ppm	66.7920 ppm	0.0585 ppm	0.0017 ppm	0.1888 ppm	0.0030 ppm	10.6571 ppm
Concentration RSD	35.8 %	0.2 %	3.6 %	82.8 %	0.8 %	2.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0327 ppm	0.0992 ppm	0.0801 ppm	79.9497 ppm	7.9915 ppm	0.1208 ppm
Concentration per Run	0.0004 ppm	0.0325 ppm	0.0995 ppm	0.0800 ppm	79.6312 ppm	8.0223 ppm	0.1224 ppm
Concentration per Run	0.0003 ppm	0.0332 ppm	0.0989 ppm	0.0798 ppm	79.8864 ppm	7.9879 ppm	0.1219 ppm
Concentration per Run	0.0003 ppm	0.0326 ppm	0.0994 ppm	0.0805 ppm	80.3314 ppm	7.9642 ppm	0.1181 ppm
Concentration RSD	15.9 %	1.2 %	0.3 %	0.5 %	0.4 %	0.4 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.2863 ppm	1.4042 ppm	0.0021 ppm	0.3938 ppm	0.0682 ppm	0.0688 ppm	0.0000 ppm
Concentration per Run	20.3800 ppm	1.4035 ppm	0.0014 ppm	0.3876 ppm	0.0677 ppm	0.0689 ppm	0.0005 ppm
Concentration per Run	20.2651 ppm	1.4044 ppm	0.0021 ppm	0.3945 ppm	0.0680 ppm	0.0690 ppm	-0.0032 ppm
Concentration per Run	20.2137 ppm	1.4048 ppm	0.0026 ppm	0.3992 ppm	0.0688 ppm	0.0686 ppm	0.0027 ppm
Concentration RSD	0.4 %	0.0 %	30.8 %	1.5 %	0.8 %	0.3 %	139.399.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0046 ppm	9.6209 ppm	0.0082 ppm	0.0341 ppm	3.0939 ppm	0.0004 ppm	0.1207 ppm
Concentration per Run	0.0050 ppm	9.6529 ppm	0.0084 ppm	0.0345 ppm	3.1133 ppm	-0.0005 ppm	0.1203 ppm
Concentration per Run	0.0040 ppm	9.6134 ppm	0.0078 ppm	0.0341 ppm	3.0888 ppm	0.0018 ppm	0.1212 ppm
Concentration per Run	0.0048 ppm	9.5962 ppm	0.0084 ppm	0.0339 ppm	3.0796 ppm	-0.0003 ppm	0.1207 ppm
Concentration RSD	11.0 %	0.3 %	4.5 %	0.9 %	0.6 %	359.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1706 ppm	99.8469 ppm	98.7043 %	94.3915 %	107.3263 %	107.8541 %	106.5610 %
Concentration per Run	0.1706 ppm	99.8341 %	98.5624 %	94.5199 %	107.2419 %	105.7671 %	106.6078 %
Concentration per Run	0.1700 ppm	99.4332 %	98.9447 %	94.1838 %	106.8239 %	109.2791 %	106.5034 %
Concentration per Run	0.1711 ppm	100.2733 %	98.6058 %	94.4709 %	107.9131 %	108.5161 %	106.5718 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.2 %	0.5 %	1.7 %	0.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-23d2 WG2111279

Analysis started at: 9/11/2025 10:45:00 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 51

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	69.1975 ppm	0.0569 ppm	0.0020 ppm	0.2403 ppm	0.0029 ppm	13.2814 ppm
Concentration per Run	-0.0013 ppm	69.4613 ppm	0.0589 ppm	0.0016 ppm	0.2409 ppm	0.0030 ppm	13.2832 ppm
Concentration per Run	0.0001 ppm	69.0872 ppm	0.0565 ppm	0.0027 ppm	0.2404 ppm	0.0029 ppm	13.2787 ppm
Concentration per Run	-0.0006 ppm	69.0440 ppm	0.0554 ppm	0.0017 ppm	0.2396 ppm	0.0029 ppm	13.2823 ppm
Concentration RSD	123.3 %	0.3 %	3.2 %	29.9 %	0.3 %	1.8 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0317 ppm	0.1022 ppm	0.0911 ppm	76.5596 ppm	10.4467 ppm	0.1035 ppm
Concentration per Run	0.0003 ppm	0.0308 ppm	0.1019 ppm	0.0913 ppm	76.2513 ppm	10.4715 ppm	0.1013 ppm
Concentration per Run	0.0003 ppm	0.0320 ppm	0.1023 ppm	0.0906 ppm	76.4122 ppm	10.4225 ppm	0.1043 ppm
Concentration per Run	0.0004 ppm	0.0322 ppm	0.1024 ppm	0.0912 ppm	77.0153 ppm	10.4461 ppm	0.1049 ppm
Concentration RSD	17.6 %	2.5 %	0.3 %	0.4 %	0.5 %	0.2 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.3513 ppm	1.1215 ppm	0.0034 ppm	0.4281 ppm	0.0755 ppm	0.0604 ppm	-0.0014 ppm
Concentration per Run	19.6016 ppm	1.1260 ppm	0.0034 ppm	0.4298 ppm	0.0757 ppm	0.0604 ppm	0.0001 ppm
Concentration per Run	19.2808 ppm	1.1183 ppm	0.0031 ppm	0.4331 ppm	0.0750 ppm	0.0609 ppm	-0.0009 ppm
Concentration per Run	19.1715 ppm	1.1201 ppm	0.0035 ppm	0.4214 ppm	0.0760 ppm	0.0598 ppm	-0.0034 ppm
Concentration RSD	1.2 %	0.4 %	5.7 %	1.4 %	0.7 %	1.0 %	128.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	10.0333 ppm	0.0096 ppm	0.0337 ppm	3.6637 ppm	0.0010 ppm	0.1227 ppm
Concentration per Run	-0.0001 ppm	10.0896 ppm	0.0095 ppm	0.0338 ppm	3.7196 ppm	0.0000 ppm	0.1232 ppm
Concentration per Run	0.0047 ppm	9.9993 ppm	0.0092 ppm	0.0337 ppm	3.6726 ppm	0.0020 ppm	0.1225 ppm
Concentration per Run	0.0028 ppm	10.0111 ppm	0.0100 ppm	0.0336 ppm	3.5989 ppm	0.0009 ppm	0.1223 ppm
Concentration RSD	99.5 %	0.5 %	3.9 %	0.2 %	1.7 %	104.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2246 ppm	97.8317 %	98.1632 %	93.6606 %	107.4415 %	109.5577 %	108.2249 %
Concentration per Run	0.2257 ppm	97.1533 %	98.6599 %	93.4043 %	106.9022 %	112.5786 %	108.0341 %
Concentration per Run	0.2236 ppm	98.2656 %	97.9527 %	92.3556 %	108.0254 %	108.7228 %	106.6015 %
Concentration per Run	0.2246 ppm	98.0760 %	97.8768 %	95.2219 %	107.3968 %	107.3716 %	110.0391 %
Concentration RSD	0.5 %	0.6 %	0.4 %	1.5 %	0.5 %	2.5 %	1.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-2562 WG2111279

Analysis started at: 9/11/2025 10:47:07 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 52

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	78.2425 ppm	0.0687 ppm	0.0011 ppm	0.2135 ppm	0.0035 ppm	16.0651 ppm
Concentration per Run	-0.0007 ppm	78.2757 ppm	0.0665 ppm	0.0014 ppm	0.2143 ppm	0.0035 ppm	16.0725 ppm
Concentration per Run	-0.0011 ppm	78.2467 ppm	0.0722 ppm	0.0010 ppm	0.2134 ppm	0.0034 ppm	16.0469 ppm
Concentration per Run	-0.0008 ppm	78.2050 ppm	0.0674 ppm	0.0008 ppm	0.2127 ppm	0.0035 ppm	16.0760 ppm
Concentration RSD	27.1 %	0.0 %	4.5 %	30.7 %	0.4 %	1.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0320 ppm	0.1046 ppm	0.0910 ppm	87.0727 ppm	8.2732 ppm	0.1190 ppm
Concentration per Run	0.0002 ppm	0.0322 ppm	0.1039 ppm	0.0910 ppm	87.2372 ppm	8.2752 ppm	0.1201 ppm
Concentration per Run	0.0003 ppm	0.0335 ppm	0.1052 ppm	0.0909 ppm	87.0376 ppm	8.2953 ppm	0.1162 ppm
Concentration per Run	0.0004 ppm	0.0335 ppm	0.1048 ppm	0.0911 ppm	86.9433 ppm	8.2492 ppm	0.1207 ppm
Concentration RSD	35.8 %	2.2 %	0.6 %	0.1 %	0.2 %	0.3 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	21.1361 ppm	1.3283 ppm	0.0035 ppm	0.5067 ppm	0.0742 ppm	0.0997 ppm	-0.0026 ppm
Concentration per Run	21.0504 ppm	1.3269 ppm	0.0034 ppm	0.5044 ppm	0.0737 ppm	0.1002 ppm	-0.0039 ppm
Concentration per Run	21.1553 ppm	1.3284 ppm	0.0040 ppm	0.5084 ppm	0.0737 ppm	0.0994 ppm	-0.0028 ppm
Concentration per Run	21.2024 ppm	1.3296 ppm	0.0031 ppm	0.5071 ppm	0.0752 ppm	0.0994 ppm	-0.0010 ppm
Concentration RSD	0.4 %	0.1 %	13.5 %	0.4 %	1.2 %	0.5 %	56.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	7.8797 ppm	0.0101 ppm	0.0454 ppm	3.3882 ppm	0.0011 ppm	0.1331 ppm
Concentration per Run	0.0024 ppm	7.8674 ppm	0.0098 ppm	0.0458 ppm	3.3652 ppm	0.0009 ppm	0.1322 ppm
Concentration per Run	0.0025 ppm	7.8761 ppm	0.0095 ppm	0.0452 ppm	3.3977 ppm	0.0009 ppm	0.1337 ppm
Concentration per Run	0.0018 ppm	7.8956 ppm	0.0109 ppm	0.0453 ppm	3.4015 ppm	0.0015 ppm	0.1333 ppm
Concentration RSD	15.0 %	0.2 %	7.7 %	0.7 %	0.6 %	29.8 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1840 ppm	97.1380 %	97.1380 %	92.7051 %	103.9536 %	106.6298 %	104.8822 %
Concentration per Run	0.1835 ppm	96.7045 %	97.5311 %	92.2114 %	102.9945 %	106.4434 %	104.1976 %
Concentration per Run	0.1842 ppm	97.1160 %	96.5471 %	93.0174 %	104.3385 %	106.1067 %	105.0093 %
Concentration per Run	0.1843 ppm	97.5935 %	97.7495 %	92.8865 %	104.5278 %	107.3392 %	105.4397 %
Concentration RSD	0.2 %	0.5 %	0.7 %	0.5 %	0.8 %	0.6 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-27d2 WG2111279

Analysis started at: 9/11/2025 10:49:14 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 53

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	69.4953 ppm	0.0646 ppm	0.0025 ppm	0.2509 ppm	0.0028 ppm	8.7085 ppm
Concentration per Run	-0.0006 ppm	69.4058 ppm	0.0681 ppm	0.0024 ppm	0.2502 ppm	0.0029 ppm	8.6832 ppm
Concentration per Run	-0.0001 ppm	69.6172 ppm	0.0613 ppm	0.0024 ppm	0.2511 ppm	0.0028 ppm	8.7388 ppm
Concentration per Run	-0.0003 ppm	69.4629 ppm	0.0644 ppm	0.0027 ppm	0.2514 ppm	0.0028 ppm	8.7035 ppm
Concentration RSD	63.1 %	0.2 %	5.2 %	6.2 %	0.3 %	1.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0323 ppm	0.1064 ppm	0.0834 ppm	81.4237 ppm	10.2944 ppm	0.1109 ppm
Concentration per Run	0.0005 ppm	0.0327 ppm	0.1064 ppm	0.0833 ppm	81.3101 ppm	10.2794 ppm	0.1122 ppm
Concentration per Run	0.0005 ppm	0.0321 ppm	0.1063 ppm	0.0836 ppm	81.5223 ppm	10.3404 ppm	0.1109 ppm
Concentration per Run	0.0004 ppm	0.0322 ppm	0.1066 ppm	0.0832 ppm	81.4387 ppm	10.2633 ppm	0.1095 ppm
Concentration RSD	16.0 %	1.0 %	0.1 %	0.3 %	0.1 %	0.4 %	1.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.0113 ppm	1.2253 ppm	0.0023 ppm	0.4124 ppm	0.0729 ppm	0.0617 ppm	-0.0029 ppm
Concentration per Run	19.9478 ppm	1.2243 ppm	0.0021 ppm	0.4173 ppm	0.0720 ppm	0.0624 ppm	-0.0052 ppm
Concentration per Run	19.8627 ppm	1.2288 ppm	0.0021 ppm	0.4159 ppm	0.0739 ppm	0.0623 ppm	-0.0040 ppm
Concentration per Run	20.2235 ppm	1.2248 ppm	0.0025 ppm	0.4041 ppm	0.0727 ppm	0.0602 ppm	0.0004 ppm
Concentration RSD	0.9 %	0.1 %	10.7 %	1.8 %	1.3 %	2.0 %	100.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0047 ppm	8.8572 ppm	0.0090 ppm	0.0315 ppm	3.5467 ppm	0.0022 ppm	0.1255 ppm
Concentration per Run	0.0047 ppm	8.8649 ppm	0.0085 ppm	0.0315 ppm	3.5357 ppm	0.0019 ppm	0.1250 ppm
Concentration per Run	0.0015 ppm	8.8327 ppm	0.0098 ppm	0.0316 ppm	3.5118 ppm	0.0016 ppm	0.1254 ppm
Concentration per Run	0.0078 ppm	8.8740 ppm	0.0087 ppm	0.0314 ppm	3.5927 ppm	0.0030 ppm	0.1261 ppm
Concentration RSD	66.8 %	0.2 %	7.7 %	0.2 %	1.2 %	33.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1655 ppm	98.5431 %	98.2789 %	93.0778 %	104.9364 %	106.6500 %	104.3583 %
Concentration per Run	0.1651 ppm	98.7693 %	97.9180 %	92.6030 %	105.1290 %	106.9050 %	103.9755 %
Concentration per Run	0.1654 ppm	98.5189 %	98.0239 %	93.0225 %	104.5688 %	105.6988 %	104.2942 %
Concentration per Run	0.1659 ppm	98.3413 %	98.8947 %	93.6080 %	105.1115 %	107.3463 %	104.8053 %
Concentration RSD	0.2 %	0.2 %	0.5 %	0.5 %	0.3 %	0.8 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-31d2 WG2111279

Analysis started at: 9/11/2025 10:51:20 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 54

	Ag 328.068	Al 396.152	As 189.042	B 208.959	Ba 455.403	Be 313.042	Ca 315.887
Concentration average	-0.0006 ppm	60.3415 ppm	0.0553 ppm	0.0016 ppm	0.1918 ppm	0.0031 ppm	8.4812 ppm
Concentration per Run	-0.0005 ppm	60.5349 ppm	0.0558 ppm	0.0022 ppm	0.1915 ppm	0.0031 ppm	8.5100 ppm
Concentration per Run	-0.0007 ppm	60.2387 ppm	0.0537 ppm	0.0035 ppm	0.1922 ppm	0.0031 ppm	8.4654 ppm
Concentration per Run	-0.0007 ppm	60.2510 ppm	0.0565 ppm	-0.0007 ppm	0.1917 ppm	0.0031 ppm	8.4681 ppm
Concentration RSD	17.6 %	0.3 %	2.7 %	131.1 %	0.2 %	0.4 %	0.3 %

	Cd 214.438	Co 228.616	Cr 267.716	Cu 324.754	Fe 259.940	K 766.490	Li 670.776
Concentration average	0.0006 ppm	0.0371 ppm	0.0934 ppm	0.1180 ppm	81.5355 ppm	8.6756 ppm	0.1097 ppm
Concentration per Run	0.0006 ppm	0.0378 ppm	0.0936 ppm	0.1189 ppm	81.7150 ppm	8.6484 ppm	0.1123 ppm
Concentration per Run	0.0006 ppm	0.0368 ppm	0.0935 ppm	0.1173 ppm	81.7160 ppm	8.7273 ppm	0.1105 ppm
Concentration per Run	0.0007 ppm	0.0368 ppm	0.0933 ppm	0.1178 ppm	81.1754 ppm	8.6510 ppm	0.1065 ppm
Concentration RSD	4.7 %	1.6 %	0.2 %	0.7 %	0.4 %	0.5 %	2.7 %

	Mg 279.079	Mn 257.610	Mo 202.030	Na 589.592	Ni 231.604	Pb 220.353	Sb 206.833
Concentration average	20.5642 ppm	1.5253 ppm	0.0023 ppm	0.4273 ppm	0.0845 ppm	0.0532 ppm	-0.0004 ppm
Concentration per Run	20.6513 ppm	1.5303 ppm	0.0027 ppm	0.4271 ppm	0.0864 ppm	0.0524 ppm	-0.0012 ppm
Concentration per Run	20.3247 ppm	1.5277 ppm	0.0023 ppm	0.4282 ppm	0.0822 ppm	0.0551 ppm	-0.0026 ppm
Concentration per Run	20.7167 ppm	1.5180 ppm	0.0020 ppm	0.4264 ppm	0.0848 ppm	0.0521 ppm	0.0024 ppm
Concentration RSD	1.0 %	0.4 %	14.8 %	0.2 %	2.5 %	3.1 %	585.3 %

	Se 196.090	Si 212.412	Sn 189.989	Sr 421.552	Ti 334.904	Tl 190.856	V 292.402
Concentration average	0.0013 ppm	6.7737 ppm	0.0082 ppm	0.0303 ppm	2.8017 ppm	0.0009 ppm	0.1329 ppm
Concentration per Run	-0.0016 ppm	6.8405 ppm	0.0084 ppm	0.0303 ppm	2.8119 ppm	0.0016 ppm	0.1336 ppm
Concentration per Run	0.0019 ppm	6.6950 ppm	0.0080 ppm	0.0303 ppm	2.7629 ppm	0.0006 ppm	0.1319 ppm
Concentration per Run	0.0035 ppm	6.7857 ppm	0.0083 ppm	0.0303 ppm	2.8302 ppm	0.0005 ppm	0.1331 ppm
Concentration RSD	206.3 %	1.1 %	2.8 %	0.1 %	1.2 %	68.4 %	0.7 %

	Zn 206.200	Sc 361.384	Sc 361.384	Sc 227.318	Y 360.073	Y 371.030	Y 224.306
Concentration average	0.1673 ppm	98.8731 %	98.6479 %	94.2785 %	106.3476 %	107.5136 %	106.7513 %
Concentration per Run	0.1685 ppm	97.7270 %	99.0205 %	93.8317 %	105.1950 %	107.1168 %	106.4767 %
Concentration per Run	0.1655 ppm	100.0328 %	98.6309 %	94.6067 %	107.3950 %	108.7207 %	106.9666 %
Concentration per Run	0.1678 ppm	98.8595 %	98.2922 %	94.3970 %	106.4527 %	106.7035 %	106.8107 %
Concentration RSD	0.9 %	1.2 %	0.4 %	0.4 %	1.0 %	1.0 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-33d2 WG2111279

Analysis started at: 9/11/2025 10:53:27 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 55

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	67.7575 ppm	0.0545 ppm	-0.0004 ppm	0.2155 ppm	0.0030 ppm	7.2349 ppm
Concentration per Run	-0.0007 ppm	67.5270 ppm	0.0551 ppm	-0.0012 ppm	0.2150 ppm	0.0030 ppm	7.2295 ppm
Concentration per Run	-0.0001 ppm	68.1152 ppm	0.0557 ppm	-0.0008 ppm	0.2155 ppm	0.0030 ppm	7.2391 ppm
Concentration per Run	-0.0008 ppm	67.6305 ppm	0.0526 ppm	0.0007 ppm	0.2161 ppm	0.0031 ppm	7.2363 ppm
Concentration RSD	74.4 %	0.5 %	3.0 %	225.4 %	0.3 %	1.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0299 ppm	0.0945 ppm	0.0928 ppm	77.3558 ppm	7.6706 ppm	0.1003 ppm
Concentration per Run	0.0005 ppm	0.0293 ppm	0.0948 ppm	0.0927 ppm	77.1178 ppm	7.6293 ppm	0.1025 ppm
Concentration per Run	0.0005 ppm	0.0305 ppm	0.0944 ppm	0.0925 ppm	77.6880 ppm	7.6914 ppm	0.1003 ppm
Concentration per Run	0.0005 ppm	0.0298 ppm	0.0944 ppm	0.0933 ppm	77.2615 ppm	7.6912 ppm	0.0980 ppm
Concentration RSD	1.0 %	2.1 %	0.2 %	0.5 %	0.4 %	0.5 %	2.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.0465 ppm	1.0638 ppm	0.0023 ppm	0.3779 ppm	0.0696 ppm	0.0678 ppm	-0.0015 ppm
Concentration per Run	17.0676 ppm	1.0615 ppm	0.0022 ppm	0.3762 ppm	0.0704 ppm	0.0671 ppm	-0.0021 ppm
Concentration per Run	16.9359 ppm	1.0631 ppm	0.0028 ppm	0.3842 ppm	0.0690 ppm	0.0673 ppm	-0.0046 ppm
Concentration per Run	17.1362 ppm	1.0667 ppm	0.0020 ppm	0.3732 ppm	0.0692 ppm	0.0691 ppm	0.0021 ppm
Concentration RSD	0.6 %	0.3 %	18.4 %	1.5 %	1.1 %	1.6 %	225.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0043 ppm	10.2613 ppm	0.0085 ppm	0.0308 ppm	3.0239 ppm	0.0008 ppm	0.1152 ppm
Concentration per Run	0.0045 ppm	10.2534 ppm	0.0088 ppm	0.0309 ppm	3.0246 ppm	0.0015 ppm	0.1151 ppm
Concentration per Run	0.0035 ppm	10.2480 ppm	0.0092 ppm	0.0308 ppm	3.0078 ppm	-0.0003 ppm	0.1148 ppm
Concentration per Run	0.0048 ppm	10.2826 ppm	0.0077 ppm	0.0308 ppm	3.0394 ppm	0.0011 ppm	0.1157 ppm
Concentration RSD	16.3 %	0.2 %	9.0 %	0.2 %	0.5 %	121.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1671 ppm	97.9985 %	98.1203 %	93.5008 %	104.4171 %	105.8566 %	104.8616 %
Concentration per Run	0.1666 ppm	97.5830 %	98.3290 %	93.6591 %	103.8287 %	105.5830 %	105.1013 %
Concentration per Run	0.1676 ppm	98.4432 %	98.0473 %	93.1253 %	104.9186 %	105.8842 %	104.4315 %
Concentration per Run	0.1673 ppm	97.9693 %	97.9846 %	93.7181 %	104.5041 %	106.1026 %	105.0520 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.3 %	0.5 %	0.2 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-35d2 WG2111279

Analysis started at: 9/11/2025 10:55:34 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 56

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	63.1081 ppm	0.0880 ppm	0.0000 ppm	0.1498 ppm	0.0024 ppm	4.1768 ppm
Concentration per Run	-0.0006 ppm	63.0544 ppm	0.0889 ppm	-0.0008 ppm	0.1498 ppm	0.0024 ppm	4.1878 ppm
Concentration per Run	-0.0002 ppm	63.1576 ppm	0.0878 ppm	-0.0002 ppm	0.1498 ppm	0.0024 ppm	4.1731 ppm
Concentration per Run	-0.0001 ppm	63.1122 ppm	0.0872 ppm	0.0010 ppm	0.1497 ppm	0.0024 ppm	4.1695 ppm
Concentration RSD	92.8 %	0.1 %	0.9 %	49.213.3 %	0.0 %	0.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0249 ppm	0.0848 ppm	0.0663 ppm	71.8381 ppm	5.5803 ppm	0.0843 ppm
Concentration per Run	0.0003 ppm	0.0253 ppm	0.0852 ppm	0.0668 ppm	71.9470 ppm	5.5755 ppm	0.0846 ppm
Concentration per Run	0.0002 ppm	0.0245 ppm	0.0847 ppm	0.0664 ppm	71.9604 ppm	5.5897 ppm	0.0842 ppm
Concentration per Run	0.0002 ppm	0.0250 ppm	0.0845 ppm	0.0658 ppm	71.6069 ppm	5.5758 ppm	0.0840 ppm
Concentration RSD	28.3 %	1.7 %	0.4 %	0.8 %	0.3 %	0.1 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	13.5554 ppm	0.7185 ppm	0.0028 ppm	0.8089 ppm	0.0661 ppm	0.0401 ppm	0.0023 ppm
Concentration per Run	13.6495 ppm	0.7205 ppm	0.0027 ppm	0.8039 ppm	0.0669 ppm	0.0402 ppm	0.0010 ppm
Concentration per Run	13.4838 ppm	0.7177 ppm	0.0034 ppm	0.8095 ppm	0.0657 ppm	0.0390 ppm	0.0016 ppm
Concentration per Run	13.5328 ppm	0.7173 ppm	0.0025 ppm	0.8133 ppm	0.0658 ppm	0.0412 ppm	0.0042 ppm
Concentration RSD	0.6 %	0.2 %	16.0 %	0.6 %	1.0 %	2.7 %	74.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0039 ppm	12.8639 ppm	0.0068 ppm	0.0204 ppm	2.1948 ppm	0.0003 ppm	0.0882 ppm
Concentration per Run	0.0019 ppm	12.9414 ppm	0.0063 ppm	0.0205 ppm	2.2064 ppm	-0.0003 ppm	0.0881 ppm
Concentration per Run	0.0032 ppm	12.7938 ppm	0.0061 ppm	0.0203 ppm	2.1868 ppm	0.0004 ppm	0.0882 ppm
Concentration per Run	0.0066 ppm	12.8566 ppm	0.0080 ppm	0.0203 ppm	2.1911 ppm	0.0008 ppm	0.0882 ppm
Concentration RSD	62.3 %	0.6 %	15.8 %	0.4 %	0.5 %	190.8 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0971 ppm	97.4114 %	96.5935 %	93.3030 %	99.1151 %	99.5356 %	99.6691 %
Concentration per Run	0.0975 ppm	96.6445 %	96.7569 %	92.7429 %	98.7049 %	99.2406 %	99.3036 %
Concentration per Run	0.0969 ppm	97.6767 %	96.3254 %	93.6173 %	99.1556 %	99.8779 %	99.7001 %
Concentration per Run	0.0969 ppm	97.9129 %	96.6980 %	93.5488 %	99.4849 %	100.4882 %	100.0037 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.5 %	0.4 %	0.8 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-37d2 WG2111279

Analysis started at: 9/11/2025 10:57:41 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 57

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	79.1471 ppm	0.0694 ppm	0.0000 ppm	0.1592 ppm	0.0027 ppm	4.8735 ppm
Concentration per Run	-0.0005 ppm	79.2703 ppm	0.0672 ppm	-0.0004 ppm	0.1587 ppm	0.0027 ppm	4.8785 ppm
Concentration per Run	-0.0004 ppm	79.1958 ppm	0.0697 ppm	-0.0007 ppm	0.1590 ppm	0.0027 ppm	4.8643 ppm
Concentration per Run	0.0002 ppm	78.9753 ppm	0.0712 ppm	0.0010 ppm	0.1599 ppm	0.0027 ppm	4.8778 ppm
Concentration RSD	154.5 %	0.2 %	2.9 %	5.5212 %	0.4 %	1.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0262 ppm	0.1071 ppm	0.0349 ppm	69.1883 ppm	5.7516 ppm	0.0968 ppm
Concentration per Run	0.0001 ppm	0.0269 ppm	0.1077 ppm	0.0557 ppm	69.5375 ppm	5.7419 ppm	0.0982 ppm
Concentration per Run	0.0002 ppm	0.0259 ppm	0.1065 ppm	0.0542 ppm	69.5672 ppm	5.7549 ppm	0.0967 ppm
Concentration per Run	0.0004 ppm	0.0257 ppm	0.1072 ppm	0.0548 ppm	68.4602 ppm	5.7579 ppm	0.0954 ppm
Concentration RSD	59.7 %	2.3 %	0.6 %	1.4 %	0.9 %	0.1 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.4375 ppm	0.6100 ppm	0.0022 ppm	1.2172 ppm	0.0708 ppm	0.0374 ppm	0.0019 ppm
Concentration per Run	15.2866 ppm	0.6113 ppm	0.0023 ppm	1.2181 ppm	0.0709 ppm	0.0386 ppm	0.0011 ppm
Concentration per Run	15.6299 ppm	0.6101 ppm	0.0024 ppm	1.2080 ppm	0.0711 ppm	0.0360 ppm	0.0036 ppm
Concentration per Run	15.3959 ppm	0.6086 ppm	0.0020 ppm	1.2256 ppm	0.0703 ppm	0.0376 ppm	0.0009 ppm
Concentration RSD	1.1 %	0.2 %	9.9 %	0.7 %	0.6 %	3.5 %	77.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0050 ppm	14.2776 ppm	0.0070 ppm	0.0341 ppm	2.9232 ppm	0.0013 ppm	0.1046 ppm
Concentration per Run	0.0070 ppm	14.2326 ppm	0.0065 ppm	0.0342 ppm	2.8894 ppm	0.0019 ppm	0.1040 ppm
Concentration per Run	0.0041 ppm	14.2839 ppm	0.0075 ppm	0.0342 ppm	2.9569 ppm	0.0010 ppm	0.1054 ppm
Concentration per Run	0.0038 ppm	14.3162 ppm	0.0070 ppm	0.0339 ppm	2.9234 ppm	0.0009 ppm	0.1043 ppm
Concentration RSD	34.8 %	0.3 %	6.8 %	0.5 %	1.2 %	44.2 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1031 ppm	97.3095 %	97.3095 %	96.7298 %	99.0002 %	100.8487 %	99.8889 %
Concentration per Run	0.1026 ppm	96.9328 %	96.9328 %	97.1050 %	98.2844 %	101.5115 %	99.9194 %
Concentration per Run	0.1027 ppm	97.5357 %	97.5357 %	96.9661 %	99.5222 %	100.3809 %	99.9299 %
Concentration per Run	0.1039 ppm	97.4600 %	97.4600 %	96.1184 %	99.1941 %	100.6538 %	99.8173 %
Concentration RSD	0.7 %	0.3 %	0.3 %	0.6 %	0.6 %	0.6 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-39d2 WG2111279

Analysis started at: 9/11/2025 10:59:48 PM

Comment <Comment>

Rack Number 3

Vial Numbers 58

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	74.3449 ppm	0.0789 ppm	0.0016 ppm	0.1672 ppm	0.0029 ppm	4.7044 ppm
Concentration per Run	0.0000 ppm	74.7118 ppm	0.0768 ppm	0.0006 ppm	0.1678 ppm	0.0029 ppm	4.7165 ppm
Concentration per Run	-0.0009 ppm	74.1227 ppm	0.0775 ppm	0.0015 ppm	0.1665 ppm	0.0029 ppm	4.6975 ppm
Concentration per Run	-0.0004 ppm	74.2002 ppm	0.0765 ppm	0.0029 ppm	0.1673 ppm	0.0029 ppm	4.6992 ppm
Concentration RSD	116.7 %	0.4 %	0.6 %	71.1 %	0.4 %	1.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0258 ppm	0.1111 ppm	0.0763 ppm	70.8221 ppm	7.0184 ppm	0.0895 ppm
Concentration per Run	0.0001 ppm	0.0251 ppm	0.1094 ppm	0.0758 ppm	70.7723 ppm	7.0571 ppm	0.0903 ppm
Concentration per Run	0.0002 ppm	0.0265 ppm	0.1119 ppm	0.0769 ppm	70.8280 ppm	7.0015 ppm	0.0890 ppm
Concentration per Run	0.0001 ppm	0.0259 ppm	0.1121 ppm	0.0762 ppm	70.8661 ppm	6.9966 ppm	0.0895 ppm
Concentration RSD	28.4 %	2.6 %	1.3 %	0.7 %	0.1 %	0.5 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.4975 ppm	0.6374 ppm	0.0044 ppm	4.1311 ppm	0.0726 ppm	0.0453 ppm	0.0007 ppm
Concentration per Run	17.4604 ppm	0.6386 ppm	0.0041 ppm	4.1393 ppm	0.0716 ppm	0.0445 ppm	-0.0011 ppm
Concentration per Run	17.4891 ppm	0.6388 ppm	0.0042 ppm	4.1392 ppm	0.0734 ppm	0.0460 ppm	0.0032 ppm
Concentration per Run	17.5430 ppm	0.6388 ppm	0.0050 ppm	4.1149 ppm	0.0727 ppm	0.0453 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.2 %	10.9 %	0.3 %	1.2 %	1.7 %	310.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0033 ppm	14.4999 ppm	0.0082 ppm	0.0267 ppm	3.4846 ppm	0.0012 ppm	0.1132 ppm
Concentration per Run	0.0053 ppm	14.5059 ppm	0.0081 ppm	0.0269 ppm	3.4854 ppm	0.0010 ppm	0.1128 ppm
Concentration per Run	0.0012 ppm	14.4569 ppm	0.0084 ppm	0.0266 ppm	3.4668 ppm	0.0027 ppm	0.1136 ppm
Concentration per Run	0.0035 ppm	14.5369 ppm	0.0081 ppm	0.0268 ppm	3.5017 ppm	0.0000 ppm	0.1131 ppm
Concentration RSD	62.1 %	0.3 %	2.0 %	0.5 %	0.5 %	115.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1051 ppm	97.4517 %	97.6756 %	92.9826 %	100.8993 %	102.6023 %	101.4823 %
Concentration per Run	0.1045 ppm	97.6908 %	97.6928 %	92.9553 %	101.1711 %	102.9195 %	101.5585 %
Concentration per Run	0.1058 ppm	97.1010 %	97.5788 %	93.0360 %	100.7299 %	102.7187 %	101.2989 %
Concentration per Run	0.1050 ppm	97.5633 %	97.7553 %	92.9563 %	100.7968 %	102.1687 %	101.5895 %
Concentration RSD	0.6 %	0.3 %	0.1 %	0.0 %	0.2 %	0.4 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-4562 WG2111279

Analysis started at: 9/11/2025 11:01:55 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 59

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	77.5862 ppm	0.0643 ppm	0.0035 ppm	0.2303 ppm	0.0035 ppm	16.0002 ppm
Concentration per Run	0.0002 ppm	77.9501 ppm	0.0640 ppm	0.0039 ppm	0.2317 ppm	0.0034 ppm	16.0560 ppm
Concentration per Run	-0.0007 ppm	77.3344 ppm	0.0642 ppm	0.0025 ppm	0.2299 ppm	0.0035 ppm	15.8633 ppm
Concentration per Run	-0.0005 ppm	77.4741 ppm	0.0646 ppm	0.0041 ppm	0.2292 ppm	0.0034 ppm	16.0814 ppm
Concentration RSD	153.2 %	0.4 %	0.4 %	25.9 %	0.6 %	0.9 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0434 ppm	0.1173 ppm	0.1255 ppm	92.0915 ppm	8.8519 ppm	0.1145 ppm
Concentration per Run	0.0004 ppm	0.0436 ppm	0.1166 ppm	0.1250 ppm	92.4207 ppm	8.9159 ppm	0.1153 ppm
Concentration per Run	0.0004 ppm	0.0435 ppm	0.1179 ppm	0.1255 ppm	91.5702 ppm	8.8470 ppm	0.1132 ppm
Concentration per Run	0.0005 ppm	0.0431 ppm	0.1175 ppm	0.1259 ppm	92.2836 ppm	8.7928 ppm	0.1151 ppm
Concentration RSD	10.2 %	0.6 %	0.6 %	0.3 %	0.5 %	0.7 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	21.6130 ppm	1.5540 ppm	0.0042 ppm	0.5205 ppm	0.0868 ppm	0.1037 ppm	-0.0001 ppm
Concentration per Run	21.3914 ppm	1.5656 ppm	0.0041 ppm	0.5230 ppm	0.0864 ppm	0.1043 ppm	0.0021 ppm
Concentration per Run	21.9058 ppm	1.5393 ppm	0.0040 ppm	0.5219 ppm	0.0872 ppm	0.1033 ppm	0.0013 ppm
Concentration per Run	21.5418 ppm	1.5571 ppm	0.0046 ppm	0.5167 ppm	0.0868 ppm	0.1035 ppm	-0.0037 ppm
Concentration RSD	1.2 %	0.9 %	7.8 %	0.7 %	0.5 %	0.6 %	2.738.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	11.1328 ppm	0.0107 ppm	0.0465 ppm	3.6612 ppm	0.0017 ppm	0.1381 ppm
Concentration per Run	0.0033 ppm	11.0547 ppm	0.0112 ppm	0.0467 ppm	3.6266 ppm	0.0022 ppm	0.1376 ppm
Concentration per Run	0.0002 ppm	11.1974 ppm	0.0114 ppm	0.0466 ppm	3.7037 ppm	0.0015 ppm	0.1388 ppm
Concentration per Run	0.0023 ppm	11.1462 ppm	0.0096 ppm	0.0463 ppm	3.6534 ppm	0.0013 ppm	0.1381 ppm
Concentration RSD	82.9 %	0.6 %	9.0 %	0.5 %	1.1 %	30.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2816 ppm	97.2790 %	97.0179 %	92.4359 %	104.0085 %	104.9709 %	104.2880 %
Concentration per Run	0.2798 ppm	98.1708 %	96.6051 %	92.4310 %	104.7882 %	105.6917 %	104.4407 %
Concentration per Run	0.2834 ppm	96.1292 %	96.9521 %	93.2810 %	103.0839 %	105.6826 %	105.1985 %
Concentration per Run	0.2816 ppm	97.5370 %	97.4966 %	91.5957 %	104.1533 %	103.5383 %	103.2247 %
Concentration RSD	0.6 %	1.1 %	0.5 %	0.9 %	0.8 %	1.2 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample: 9/11/2025 11:04:01 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

<Comment>

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5101 ppm	0.4866 ppm	0.4822 ppm	0.4728 ppm	0.4977 ppm	0.5118 ppm	0.4977 ppm
Concentration per Run	0.5071 ppm	0.4917 ppm	0.4841 ppm	0.4690 ppm	0.4975 ppm	0.5130 ppm	0.4948 ppm
Concentration per Run	0.5099 ppm	0.4918 ppm	0.4840 ppm	0.4727 ppm	0.4989 ppm	0.5123 ppm	0.5021 ppm
Concentration per Run	0.5133 ppm	0.4762 ppm	0.4786 ppm	0.4766 ppm	0.4968 ppm	0.5101 ppm	0.4962 ppm
Recovery Percentage	102.021 %	97.311 %	96.444 %	94.554 %	99.549 %	102.358 %	99.539 %
Concentration RSD	0.6 %	1.8 %	0.7 %	0.8 %	0.2 %	0.3 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5114 ppm	0.5103 ppm	0.5164 ppm	0.5306 ppm	0.5014 ppm	5.1712 ppm	0.5161 ppm
Concentration per Run	0.5077 ppm	0.5085 ppm	0.5152 ppm	0.5293 ppm	0.5052 ppm	5.1490 ppm	0.5172 ppm
Concentration per Run	0.5138 ppm	0.5111 ppm	0.5170 ppm	0.5300 ppm	0.5000 ppm	5.1896 ppm	0.5256 ppm
Concentration per Run	0.5126 ppm	0.5114 ppm	0.5170 ppm	0.5325 ppm	0.4990 ppm	5.1752 ppm	0.5053 ppm
Recovery Percentage	102.273 %	102.069 %	103.280 %	106.123 %	100.279 %	103.425 %	103.211 %
Concentration RSD	0.6 %	0.3 %	0.2 %	0.3 %	0.7 %	0.4 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5253 ppm	0.5039 ppm	0.4830 ppm	10.0255 ppm	0.5183 ppm	0.5143 ppm	0.5128 ppm
Concentration per Run	0.5229 ppm	0.5052 ppm	0.4808 ppm	10.0133 ppm	0.5167 ppm	0.5156 ppm	0.5114 ppm
Concentration per Run	0.5211 ppm	0.5023 ppm	0.4835 ppm	9.9846 ppm	0.5190 ppm	0.5141 ppm	0.5133 ppm
Concentration per Run	0.5320 ppm	0.5041 ppm	0.4845 ppm	10.0786 ppm	0.5194 ppm	0.5131 ppm	0.5139 ppm
Recovery Percentage	105.067 %	100.780 %	96.590 %	100.255 %	103.668 %	102.855 %	102.569 %
Concentration RSD	1.1 %	0.3 %	0.4 %	0.5 %	0.3 %	0.2 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4784 ppm	5.5093 ppm	0.4919 ppm	0.5117 ppm	0.5131 ppm	0.4856 ppm	0.5228 ppm
Concentration per Run	0.4801 ppm	5.4786 ppm	0.4898 ppm	0.5103 ppm	0.5096 ppm	0.4837 ppm	0.5209 ppm
Concentration per Run	0.4757 ppm	5.5256 ppm	0.4934 ppm	0.5142 ppm	0.5117 ppm	0.4855 ppm	0.5234 ppm
Concentration per Run	0.4794 ppm	5.5238 ppm	0.4925 ppm	0.5106 ppm	0.5179 ppm	0.4876 ppm	0.5242 ppm
Recovery Percentage	95.680 %	104.940 %	98.382 %	102.346 %	102.612 %	97.122 %	104.570 %
Concentration RSD	0.5 %	0.5 %	0.4 %	0.4 %	0.8 %	0.4 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4853 ppm	96.9806 %	95.4106 %	95.3170 %	95.0348 %	94.2718 %	94.8008 %
Concentration per Run	0.4833 ppm	97.3066 %	95.8639 %	95.0066 %	95.3074 %	95.1687 %	94.6348 %
Concentration per Run	0.4873 ppm	97.0186 %	96.0772 %	96.0879 %	94.7418 %	93.3014 %	95.3411 %
Concentration per Run	0.4853 ppm	96.6166 %	94.6555 %	94.8565 %	95.0551 %	94.3454 %	94.4265 %
Recovery Percentage	97.055 %						
Concentration RSD	0.4 %	0.4 %	0.7 %	0.7 %	0.3 %	1.0 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 11:06:08 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	-0.0047 ppm	0.0015 ppm	-0.0013 ppm	-0.0001 ppm	0.0000 ppm	-0.0040 ppm
Concentration per Run	-0.0009 ppm	-0.0095 ppm	-0.0001 ppm	-0.0009 ppm	-0.0001 ppm	0.0001 ppm	-0.0007 ppm
Concentration per Run	-0.0007 ppm	-0.0041 ppm	0.0034 ppm	-0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0072 ppm
Concentration per Run	-0.0009 ppm	-0.0005 ppm	0.0012 ppm	-0.0014 ppm	-0.0001 ppm	0.0000 ppm	-0.0040 ppm
Recovery Percentage	-12.388 %	-4.711 %	30.142 %	-4.370 %	-0.813 %	0.737 %	-3.954 %
Concentration RSD	14.3 %	95.9 %	117.2 %	25.4 %	32.5 %	118.2 %	81.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	-0.0194 ppm	0.0025 ppm
Concentration per Run	0.0001 ppm	-0.0006 ppm	-0.0007 ppm	0.0000 ppm	-0.0004 ppm	-0.0292 ppm	0.0032 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0086 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0205 ppm	0.0030 ppm
Recovery Percentage	1.592 %	-0.919 %	-2.870 %	1.408 %	-0.407 %	-0.777 %	50.495 %
Concentration RSD	48.2 %	270.7 %	142.5 %	98.5 %	90.3 %	53.1 %	40.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0018 ppm	-0.0002 ppm	0.0003 ppm	-0.0070 ppm	0.0000 ppm	-0.0001 ppm	0.0031 ppm
Concentration per Run	-0.0017 ppm	-0.0002 ppm	0.0003 ppm	-0.0107 ppm	0.0000 ppm	-0.0005 ppm	0.0021 ppm
Concentration per Run	-0.0018 ppm	-0.0003 ppm	0.0003 ppm	-0.0057 ppm	-0.0010 ppm	-0.0007 ppm	0.0031 ppm
Concentration per Run	-0.0018 ppm	-0.0003 ppm	0.0004 ppm	-0.0047 ppm	0.0009 ppm	0.0008 ppm	0.0040 ppm
Recovery Percentage	-1.776 %	-2.490 %	0.635 %	-0.352 %	-0.188 %	-1.286 %	6.105 %
Concentration RSD	4.5 %	30.2 %	15.6 %	45.6 %	1.990.5 %	618.1 %	31.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	0.0057 ppm	0.0001 ppm	0.0001 ppm	-0.0010 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	0.0059 ppm	0.0009 ppm	0.0002 ppm	-0.0008 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0028 ppm	0.0063 ppm	0.0007 ppm	0.0001 ppm	-0.0013 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	-0.0002 ppm	0.0048 ppm	-0.0013 ppm	0.0000 ppm	-0.0009 ppm	-0.0006 ppm	0.0000 ppm
Recovery Percentage	8.520 %	1.137 %	0.134 %	0.795 %	-10.185 %	-0.679 %	-0.348 %
Concentration RSD	200.3 %	13.3 %	1.819.1 %	135.1 %	27.9 %	653.0 %	101.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	95.2425 %	94.1157 %	94.5099 %	95.5844 %	95.2758 %	95.0013 %
Concentration per Run	0.0005 ppm	95.3395 %	94.6508 %	94.1245 %	95.3218 %	95.4740 %	94.4999 %
Concentration per Run	0.0004 ppm	95.1067 %	93.4894 %	95.1167 %	95.6695 %	94.5520 %	95.6169 %
Concentration per Run	0.0004 ppm	95.2815 %	94.2069 %	94.2885 %	95.7619 %	95.8015 %	94.8872 %
Recovery Percentage	7.971 %						
Concentration RSD	12.5 %	0.1 %	0.6 %	0.6 %	0.2 %	0.7 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-47d2 WG2111279

Analysis started at: 9/11/2025 11:08:15 PM

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Rack Number: 3

Vial Numbers: 60

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	88.1164 ppm	0.0813 ppm	0.0016 ppm	0.2567 ppm	0.0035 ppm	7.2940 ppm
Concentration per Run	-0.0002 ppm	88.0269 ppm	0.0826 ppm	0.0014 ppm	0.2558 ppm	0.0035 ppm	7.3216 ppm
Concentration per Run	-0.0001 ppm	88.3876 ppm	0.0824 ppm	0.0017 ppm	0.2586 ppm	0.0036 ppm	7.2940 ppm
Concentration per Run	-0.0005 ppm	87.9348 ppm	0.0790 ppm	0.0016 ppm	0.2555 ppm	0.0035 ppm	7.2666 ppm
Concentration RSD	78.5 %	0.3 %	2.5 %	8.7 %	0.7 %	1.7 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0264 ppm	0.1235 ppm	0.0989 ppm	100.7705 ppm	8.5257 ppm	0.1090 ppm
Concentration per Run	0.0006 ppm	0.0268 ppm	0.1241 ppm	0.0987 ppm	101.2261 ppm	8.4823 ppm	0.1116 ppm
Concentration per Run	0.0006 ppm	0.0263 ppm	0.1240 ppm	0.0987 ppm	100.4254 ppm	8.5654 ppm	0.1062 ppm
Concentration per Run	0.0004 ppm	0.0260 ppm	0.1226 ppm	0.0993 ppm	100.6599 ppm	8.5294 ppm	0.1092 ppm
Concentration RSD	27.1 %	1.7 %	0.7 %	0.4 %	0.4 %	0.5 %	2.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.5733 ppm	0.9995 ppm	0.0062 ppm	0.4351 ppm	0.0764 ppm	0.1948 ppm	0.0010 ppm
Concentration per Run	19.6281 ppm	1.0009 ppm	0.0062 ppm	0.4330 ppm	0.0768 ppm	0.1942 ppm	0.0005 ppm
Concentration per Run	19.4634 ppm	1.0022 ppm	0.0061 ppm	0.4294 ppm	0.0760 ppm	0.1951 ppm	-0.0047 ppm
Concentration per Run	19.6283 ppm	0.9953 ppm	0.0062 ppm	0.4428 ppm	0.0765 ppm	0.1952 ppm	0.0073 ppm
Concentration RSD	0.5 %	0.4 %	0.5 %	1.6 %	0.5 %	0.3 %	584.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0038 ppm	11.8017 ppm	0.0113 ppm	0.0326 ppm	4.2578 ppm	0.0016 ppm	0.1828 ppm
Concentration per Run	0.0030 ppm	11.8060 ppm	0.0112 ppm	0.0326 ppm	4.2684 ppm	0.0010 ppm	0.1826 ppm
Concentration per Run	0.0051 ppm	11.7899 ppm	0.0116 ppm	0.0327 ppm	4.2404 ppm	0.0018 ppm	0.1829 ppm
Concentration per Run	0.0035 ppm	11.8091 ppm	0.0112 ppm	0.0324 ppm	4.2647 ppm	0.0020 ppm	0.1831 ppm
Concentration RSD	28.6 %	0.1 %	1.9 %	0.6 %	0.4 %	32.4 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2365 ppm	97.7467 %	98.5409 %	93.5257 %	102.9519 %	105.1656 %	104.2586 %
Concentration per Run	0.2355 ppm	97.7827 %	98.1621 %	93.3549 %	102.9088 %	103.4890 %	103.9212 %
Concentration per Run	0.2370 ppm	97.9210 %	98.4931 %	93.5246 %	103.2596 %	105.5448 %	104.3268 %
Concentration per Run	0.2370 ppm	97.5365 %	98.9674 %	93.6975 %	102.6871 %	106.4629 %	104.5276 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.2 %	0.3 %	1.4 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-49d2 WG2111279

Analysis started at: 9/11/2025 11:10:21 PM

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Rack Number 4

Vial Numbers 1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	86.6571 ppm	0.0752 ppm	0.0028 ppm	0.2499 ppm	0.0034 ppm	6.4440 ppm
Concentration per Run	0.0002 ppm	87.1167 ppm	0.0761 ppm	0.0011 ppm	0.2506 ppm	0.0034 ppm	6.4519 ppm
Concentration per Run	-0.0002 ppm	86.4374 ppm	0.0764 ppm	0.0030 ppm	0.2499 ppm	0.0034 ppm	6.4554 ppm
Concentration per Run	-0.0008 ppm	86.4171 ppm	0.0730 ppm	0.0044 ppm	0.2493 ppm	0.0034 ppm	6.4246 ppm
Concentration RSD	175.1 %	0.5 %	2.5 %	60.1 %	0.3 %	1.0 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0275 ppm	0.1247 ppm	0.0986 ppm	96.0593 ppm	10.9142 ppm	0.1094 ppm
Concentration per Run	0.0005 ppm	0.0278 ppm	0.1247 ppm	0.0985 ppm	95.8166 ppm	10.9293 ppm	0.1068 ppm
Concentration per Run	0.0007 ppm	0.0275 ppm	0.1259 ppm	0.0987 ppm	96.0838 ppm	10.9185 ppm	0.1123 ppm
Concentration per Run	0.0006 ppm	0.0272 ppm	0.1237 ppm	0.0986 ppm	96.2773 ppm	10.8948 ppm	0.1089 ppm
Concentration RSD	13.8 %	1.2 %	0.9 %	0.1 %	0.2 %	0.2 %	2.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.5878 ppm	1.0284 ppm	0.0047 ppm	0.4259 ppm	0.0711 ppm	0.1588 ppm	-0.0012 ppm
Concentration per Run	20.5128 ppm	1.0313 ppm	0.0045 ppm	0.4263 ppm	0.0711 ppm	0.1589 ppm	0.0007 ppm
Concentration per Run	20.7679 ppm	1.0286 ppm	0.0048 ppm	0.4300 ppm	0.0706 ppm	0.1574 ppm	-0.0025 ppm
Concentration per Run	20.4826 ppm	1.0274 ppm	0.0049 ppm	0.4214 ppm	0.0716 ppm	0.1601 ppm	-0.0019 ppm
Concentration RSD	0.8 %	0.2 %	3.8 %	1.0 %	0.7 %	0.9 %	139.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	12.4578 ppm	0.0102 ppm	0.0298 ppm	4.4176 ppm	0.0025 ppm	0.1546 ppm
Concentration per Run	0.0037 ppm	12.4290 ppm	0.0104 ppm	0.0298 ppm	4.4006 ppm	0.0021 ppm	0.1539 ppm
Concentration per Run	0.0043 ppm	12.5007 ppm	0.0090 ppm	0.0299 ppm	4.4378 ppm	0.0027 ppm	0.1550 ppm
Concentration per Run	0.0040 ppm	12.4438 ppm	0.0111 ppm	0.0297 ppm	4.4145 ppm	0.0028 ppm	0.1548 ppm
Concentration RSD	7.5 %	0.3 %	10.2 %	0.4 %	0.4 %	14.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2271 ppm	98.4531 %	98.6576 %	93.1752 %	103.0594 %	104.9008 %	103.4165 %
Concentration per Run	0.2260 ppm	98.8893 %	98.5010 %	93.2088 %	103.5232 %	105.3070 %	103.4865 %
Concentration per Run	0.2276 ppm	97.5000 %	98.5329 %	93.1456 %	102.3460 %	104.3520 %	103.1564 %
Concentration per Run	0.2277 ppm	98.9698 %	98.9388 %	93.1733 %	103.3090 %	105.0433 %	103.6067 %
Concentration RSD	0.4 %	0.8 %	0.2 %	0.0 %	0.6 %	0.5 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-51d2 WG2111279

Analysis started at: 9/11/2025 11:12:28 PM

Comment: <Comment>

Rack Number 4

Vial Numbers 2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	81.7926 ppm	0.0863 ppm	0.0011 ppm	0.2193 ppm	0.0031 ppm	5.4511 ppm
Concentration per Run	-0.0007 ppm	81.9018 ppm	0.0845 ppm	0.0016 ppm	0.2202 ppm	0.0031 ppm	5.4634 ppm
Concentration per Run	-0.0010 ppm	81.9822 ppm	0.0865 ppm	0.0016 ppm	0.2194 ppm	0.0031 ppm	5.4665 ppm
Concentration per Run	-0.0003 ppm	81.4937 ppm	0.0880 ppm	0.0001 ppm	0.2183 ppm	0.0031 ppm	5.4234 ppm
Concentration RSD	51.7 %	0.3 %	2.0 %	76.8 %	0.4 %	1.1 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0327 ppm	0.1516 ppm	0.0824 ppm	87.3774 ppm	11.3443 ppm	0.1240 ppm
Concentration per Run	0.0001 ppm	0.0328 ppm	0.1521 ppm	0.0822 ppm	87.5304 ppm	11.3735 ppm	0.1254 ppm
Concentration per Run	0.0003 ppm	0.0324 ppm	0.1516 ppm	0.0826 ppm	87.8186 ppm	11.3778 ppm	0.1238 ppm
Concentration per Run	0.0004 ppm	0.0329 ppm	0.1513 ppm	0.0824 ppm	86.7832 ppm	11.2817 ppm	0.1228 ppm
Concentration RSD	49.7 %	0.8 %	0.3 %	0.2 %	0.6 %	0.5 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	24.6357 ppm	0.7879 ppm	0.0027 ppm	3.6775 ppm	0.0931 ppm	0.0479 ppm	0.0039 ppm
Concentration per Run	24.5851 ppm	0.7896 ppm	0.0031 ppm	3.6664 ppm	0.0927 ppm	0.0467 ppm	0.0047 ppm
Concentration per Run	24.7206 ppm	0.7909 ppm	0.0030 ppm	3.6871 ppm	0.0941 ppm	0.0478 ppm	0.0039 ppm
Concentration per Run	24.6015 ppm	0.7832 ppm	0.0018 ppm	3.6791 ppm	0.0925 ppm	0.0492 ppm	0.0030 ppm
Concentration RSD	0.3 %	0.5 %	26.9 %	0.3 %	0.9 %	2.6 %	21.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0049 ppm	14.7297 ppm	0.0093 ppm	0.0244 ppm	4.4481 ppm	0.0023 ppm	0.1487 ppm
Concentration per Run	0.0063 ppm	14.7449 ppm	0.0098 ppm	0.0244 ppm	4.4362 ppm	0.0029 ppm	0.1488 ppm
Concentration per Run	0.0060 ppm	14.7246 ppm	0.0094 ppm	0.0245 ppm	4.4657 ppm	0.0019 ppm	0.1488 ppm
Concentration per Run	0.0024 ppm	14.7197 ppm	0.0088 ppm	0.0244 ppm	4.4424 ppm	0.0022 ppm	0.1489 ppm
Concentration RSD	44.4 %	0.1 %	5.3 %	0.2 %	0.4 %	22.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1334 ppm	98.2261 %	98.2388 %	93.3293 %	102.7481 %	104.0045 %	102.7208 %
Concentration per Run	0.1336 ppm	98.1243 %	97.9457 %	93.2132 %	102.4126 %	104.0571 %	102.9419 %
Concentration per Run	0.1332 ppm	98.6088 %	97.9654 %	93.2629 %	103.4338 %	103.5149 %	102.5149 %
Concentration per Run	0.1334 ppm	97.9453 %	98.8052 %	93.5118 %	102.3977 %	104.6132 %	102.7057 %
Concentration RSD	0.1 %	0.3 %	0.5 %	0.2 %	0.6 %	0.6 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-01d4 WG2112634

Analysis started at: 9/11/2025 11:14:35 PM

Comment: T1 IS RR

Rack Number 4

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	52.1551 ppm	0.0317 ppm	0.0006 ppm	0.0950 ppm	0.0119 ppm	11.4323 ppm
Concentration per Run	0.0026 ppm	52.0907 ppm	0.0314 ppm	0.0025 ppm	0.0956 ppm	0.0119 ppm	11.4135 ppm
Concentration per Run	0.0017 ppm	52.3525 ppm	0.0325 ppm	0.0003 ppm	0.0950 ppm	0.0118 ppm	11.4497 ppm
Concentration per Run	0.0019 ppm	52.0221 ppm	0.0313 ppm	-0.0011 ppm	0.0944 ppm	0.0118 ppm	11.4338 ppm
Concentration RSD	22.4 %	0.3 %	2.1 %	327.5 %	0.6 %	0.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0510 ppm	0.0752 ppm	0.0888 ppm	209.3118 ppm	10.1755 ppm	0.5950 ppm
Concentration per Run	0.0008 ppm	0.0516 ppm	0.0750 ppm	0.0893 ppm	208.6538 ppm	10.2004 ppm	0.5993 ppm
Concentration per Run	0.0007 ppm	0.0513 ppm	0.0752 ppm	0.0883 ppm	209.4082 ppm	10.1896 ppm	0.5879 ppm
Concentration per Run	0.0007 ppm	0.0500 ppm	0.0755 ppm	0.0887 ppm	209.8736 ppm	10.1365 ppm	0.5978 ppm
Concentration RSD	6.7 %	1.7 %	0.4 %	0.6 %	0.3 %	0.3 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	45.3816 ppm	4.1233 ppm	0.0114 ppm	3.1385 ppm	0.0957 ppm	0.0899 ppm	-0.0002 ppm
Concentration per Run	44.9155 ppm	4.1275 ppm	0.0109 ppm	3.1215 ppm	0.0943 ppm	0.0897 ppm	0.0029 ppm
Concentration per Run	45.4905 ppm	4.1384 ppm	0.0121 ppm	3.1672 ppm	0.0966 ppm	0.0907 ppm	-0.0039 ppm
Concentration per Run	45.7389 ppm	4.1039 ppm	0.0112 ppm	3.1268 ppm	0.0963 ppm	0.0894 ppm	0.0003 ppm
Concentration RSD	0.9 %	0.4 %	5.4 %	0.8 %	1.3 %	0.7 %	1.5210 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	1.9765 ppm	0.0036 ppm	0.0242 ppm	1.6406 ppm	0.0009 ppm	0.1822 ppm
Concentration per Run	0.0044 ppm	1.9663 ppm	0.0035 ppm	0.0243 ppm	1.6315 ppm	0.0002 ppm	0.1811 ppm
Concentration per Run	-0.0027 ppm	1.9789 ppm	0.0045 ppm	0.0240 ppm	1.6404 ppm	0.0005 ppm	0.1823 ppm
Concentration per Run	0.0031 ppm	1.9843 ppm	0.0029 ppm	0.0242 ppm	1.6497 ppm	0.0019 ppm	0.1832 ppm
Concentration RSD	241.2 %	0.5 %	22.8 %	0.6 %	0.6 %	101.7 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1988 ppm	102.3227 %	101.6194 %	95.3526 %	134.1033 %	135.2852 %	134.5994 %
Concentration per Run	0.1989 ppm	102.3883 %	101.5187 %	95.0607 %	134.1751 %	134.0329 %	134.1170 %
Concentration per Run	0.1978 ppm	102.4843 %	101.3737 %	94.8021 %	134.0326 %	136.9995 %	133.9577 %
Concentration per Run	0.1998 ppm	102.0955 %	101.9657 %	96.1950 %	134.1023 %	134.8231 %	135.7236 %
Concentration RSD	0.5 %	0.2 %	0.3 %	0.8 %	0.1 %	1.1 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-02d4 WG2112634

Analysis started at: 9/11/2025 11:16:41 PM

Comment: T1 IS RR

Rack Number: 4

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0010 ppm	75.8100 ppm	0.0235 ppm	0.0014 ppm	0.1260 ppm	0.0116 ppm	16.8085 ppm
Concentration per Run	0.0015 ppm	76.0499 ppm	0.0226 ppm	0.0015 ppm	0.1259 ppm	0.0116 ppm	16.8511 ppm
Concentration per Run	0.0013 ppm	75.7246 ppm	0.0240 ppm	0.0024 ppm	0.1262 ppm	0.0116 ppm	16.7643 ppm
Concentration per Run	0.0002 ppm	75.6554 ppm	0.0237 ppm	0.0002 ppm	0.1258 ppm	0.0115 ppm	16.8101 ppm
Concentration RSD	67.6 %	0.3 %	3.1 %	79.2 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0487 ppm	0.0758 ppm	0.0861 ppm	175.3513 ppm	17.0880 ppm	1.0896 ppm
Concentration per Run	0.0006 ppm	0.0481 ppm	0.0753 ppm	0.0864 ppm	176.1810 ppm	17.0677 ppm	1.0891 ppm
Concentration per Run	0.0006 ppm	0.0491 ppm	0.0762 ppm	0.0859 ppm	174.6055 ppm	17.1374 ppm	1.0868 ppm
Concentration per Run	0.0006 ppm	0.0489 ppm	0.0761 ppm	0.0861 ppm	175.2674 ppm	17.0588 ppm	1.0929 ppm
Concentration RSD	5.4 %	1.1 %	0.6 %	0.3 %	0.5 %	0.3 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	76.3939 ppm	3.7233 ppm	0.0034 ppm	4.7106 ppm	0.1042 ppm	0.0947 ppm	-0.0025 ppm
Concentration per Run	75.8540 ppm	3.7329 ppm	0.0030 ppm	4.7095 ppm	0.1050 ppm	0.0955 ppm	-0.0035 ppm
Concentration per Run	75.8516 ppm	3.7158 ppm	0.0035 ppm	4.7128 ppm	0.1031 ppm	0.0937 ppm	-0.0022 ppm
Concentration per Run	77.6761 ppm	3.7211 ppm	0.0036 ppm	4.7095 ppm	0.1044 ppm	0.0949 ppm	-0.0018 ppm
Concentration RSD	1.5 %	0.2 %	10.1 %	0.0 %	0.9 %	1.0 %	35.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	1.1024 ppm	0.0046 ppm	0.0356 ppm	2.7865 ppm	0.0014 ppm	0.1608 ppm
Concentration per Run	0.0028 ppm	1.1041 ppm	0.0053 ppm	0.0357 ppm	2.7652 ppm	0.0014 ppm	0.1601 ppm
Concentration per Run	0.0007 ppm	1.0923 ppm	0.0048 ppm	0.0356 ppm	2.7667 ppm	0.0018 ppm	0.1601 ppm
Concentration per Run	0.0027 ppm	1.1110 ppm	0.0036 ppm	0.0354 ppm	2.8276 ppm	0.0009 ppm	0.1623 ppm
Concentration RSD	56.2 %	0.9 %	18.9 %	0.4 %	1.3 %	35.1 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2218 ppm	100.5886 %	100.4576 %	93.4107 %	136.9840 %	142.0269 %	136.6710 %
Concentration per Run	0.2216 ppm	100.6666 %	100.0704 %	94.3154 %	136.4470 %	141.6705 %	137.5584 %
Concentration per Run	0.2200 ppm	101.7680 %	100.3057 %	93.1509 %	138.3763 %	141.9942 %	136.3760 %
Concentration per Run	0.2239 ppm	99.3312 %	100.9966 %	92.7658 %	136.1286 %	142.4161 %	136.0785 %
Concentration RSD	0.9 %	1.2 %	0.5 %	0.9 %	0.9 %	0.3 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-03d4 WG2112634

Analysis started at: 9/11/2025 11:18:48 PM

Comment: T1 IS RR

Rack Number: 4

Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0014 ppm	78.5347 ppm	0.0281 ppm	0.0009 ppm	0.1267 ppm	0.0136 ppm	6.5748 ppm
Concentration per Run	0.0010 ppm	78.7164 ppm	0.0282 ppm	0.0026 ppm	0.1270 ppm	0.0136 ppm	6.5803 ppm
Concentration per Run	0.0017 ppm	78.5658 ppm	0.0270 ppm	0.0000 ppm	0.1267 ppm	0.0135 ppm	6.5744 ppm
Concentration per Run	0.0015 ppm	78.3220 ppm	0.0289 ppm	0.0000 ppm	0.1265 ppm	0.0136 ppm	6.5696 ppm
Concentration RSD	23.7 %	0.3 %	3.4 %	169.3 %	0.2 %	0.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0630 ppm	0.0771 ppm	0.0970 ppm	199.9644 ppm	12.5970 ppm	1.0452 ppm
Concentration per Run	0.0007 ppm	0.0630 ppm	0.0776 ppm	0.0967 ppm	200.8464 ppm	12.6320 ppm	1.0590 ppm
Concentration per Run	0.0008 ppm	0.0633 ppm	0.0775 ppm	0.0975 ppm	198.9368 ppm	12.5740 ppm	1.0312 ppm
Concentration per Run	0.0005 ppm	0.0627 ppm	0.0762 ppm	0.0969 ppm	200.1100 ppm	12.5851 ppm	1.0454 ppm
Concentration RSD	22.0 %	0.5 %	1.0 %	0.4 %	0.5 %	0.2 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	64.1062 ppm	4.5525 ppm	0.0050 ppm	4.5959 ppm	0.1203 ppm	0.0951 ppm	-0.0020 ppm
Concentration per Run	64.3630 ppm	4.5630 ppm	0.0050 ppm	4.5870 ppm	0.1205 ppm	0.0943 ppm	-0.0037 ppm
Concentration per Run	63.5841 ppm	4.5533 ppm	0.0049 ppm	4.5984 ppm	0.1211 ppm	0.0965 ppm	-0.0027 ppm
Concentration per Run	64.3715 ppm	4.5412 ppm	0.0051 ppm	4.6024 ppm	0.1193 ppm	0.0945 ppm	0.0003 ppm
Concentration RSD	0.7 %	0.2 %	1.8 %	0.2 %	0.8 %	1.3 %	103.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	1.2918 ppm	0.0051 ppm	0.0235 ppm	2.7048 ppm	0.0011 ppm	0.1723 ppm
Concentration per Run	0.0015 ppm	1.2918 ppm	0.0054 ppm	0.0237 ppm	2.7195 ppm	0.0026 ppm	0.1723 ppm
Concentration per Run	0.0060 ppm	1.2916 ppm	0.0054 ppm	0.0234 ppm	2.6788 ppm	-0.0003 ppm	0.1720 ppm
Concentration per Run	0.0014 ppm	1.2920 ppm	0.0045 ppm	0.0234 ppm	2.7162 ppm	0.0010 ppm	0.1726 ppm
Concentration RSD	88.6 %	0.0 %	10.1 %	0.7 %	0.8 %	126.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2024 ppm	102.0568 ppm	101.9848 ppm	94.8006 ppm	142.9789 ppm	147.1592 ppm	142.5634 ppm
Concentration per Run	0.2031 ppm	101.7115 ppm	102.3292 ppm	95.6583 ppm	142.6079 ppm	148.2065 ppm	143.8535 ppm
Concentration per Run	0.2019 ppm	102.2643 ppm	102.1048 ppm	94.5082 ppm	142.8186 ppm	147.3906 ppm	142.3273 ppm
Concentration per Run	0.2022 ppm	102.1946 ppm	101.5205 ppm	94.2354 ppm	143.5102 ppm	145.8805 ppm	141.5094 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.8 %	0.3 %	0.8 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-04d4 WG2112634

Analysis started at: 9/11/2025 11:20:55 PM

Comment: T1 IS RR

Rack Number 4

Vial Numbers 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0010 ppm	78.8747 ppm	0.0196 ppm	0.0031 ppm	0.1753 ppm	0.0085 ppm	35.7653 ppm
Concentration per Run	0.0013 ppm	78.9470 ppm	0.0194 ppm	0.0033 ppm	0.1761 ppm	0.0086 ppm	35.5867 ppm
Concentration per Run	0.0005 ppm	79.0380 ppm	0.0196 ppm	0.0017 ppm	0.1747 ppm	0.0085 ppm	35.9323 ppm
Concentration per Run	0.0011 ppm	78.6391 ppm	0.0199 ppm	0.0044 ppm	0.1751 ppm	0.0085 ppm	35.7768 ppm
Concentration RSD	40.7 %	0.3 %	1.2 %	43.3 %	0.4 %	0.7 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0535 ppm	0.0829 ppm	0.1103 ppm	170.8354 ppm	24.1031 ppm	0.9012 ppm
Concentration per Run	0.0004 ppm	0.0539 ppm	0.0822 ppm	0.1107 ppm	171.2329 ppm	24.1279 ppm	0.9080 ppm
Concentration per Run	0.0003 ppm	0.0538 ppm	0.0837 ppm	0.1105 ppm	171.5490 ppm	24.1711 ppm	0.8958 ppm
Concentration per Run	0.0003 ppm	0.0528 ppm	0.0830 ppm	0.1098 ppm	169.7245 ppm	24.0102 ppm	0.9000 ppm
Concentration RSD	26.4 %	1.1 %	0.9 %	0.4 %	0.6 %	0.3 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	95.7159 ppm	3.1031 ppm	0.0019 ppm	6.4742 ppm	0.1060 ppm	0.0735 ppm	0.0004 ppm
Concentration per Run	94.7363 ppm	3.0926 ppm	0.0017 ppm	6.5024 ppm	0.1060 ppm	0.0749 ppm	-0.0008 ppm
Concentration per Run	96.0632 ppm	3.1185 ppm	0.0019 ppm	6.4521 ppm	0.1057 ppm	0.0730 ppm	0.0017 ppm
Concentration per Run	96.3480 ppm	3.0980 ppm	0.0022 ppm	6.4681 ppm	0.1062 ppm	0.0726 ppm	0.0001 ppm
Concentration RSD	0.9 %	0.4 %	11.3 %	0.4 %	0.2 %	1.7 %	352.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	1.5577 ppm	0.0057 ppm	0.0572 ppm	2.9468 ppm	0.0015 ppm	0.1583 ppm
Concentration per Run	0.0008 ppm	1.5568 ppm	0.0055 ppm	0.0574 ppm	2.9167 ppm	0.0029 ppm	0.1575 ppm
Concentration per Run	-0.0004 ppm	1.5568 ppm	0.0051 ppm	0.0570 ppm	2.9587 ppm	0.0007 ppm	0.1587 ppm
Concentration per Run	0.0018 ppm	1.5594 ppm	0.0066 ppm	0.0570 ppm	2.9650 ppm	0.0009 ppm	0.1586 ppm
Concentration RSD	151.3 %	0.1 %	13.4 %	0.5 %	0.9 %	80.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2201 ppm	99.3812 %	100.0068 %	91.6234 %	134.4708 %	138.8888 %	133.3380 %
Concentration per Run	0.2191 ppm	99.9995 %	99.7696 %	91.2923 %	135.2352 %	139.3314 %	133.1961 %
Concentration per Run	0.2214 ppm	98.6742 %	99.4637 %	91.4411 %	133.7437 %	133.0832 %	133.0832 %
Concentration per Run	0.2197 ppm	99.4699 %	100.7871 %	92.1368 %	134.4337 %	139.4140 %	133.7345 %
Concentration RSD	0.5 %	0.7 %	0.7 %	0.5 %	0.6 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-05d4 WG2112634

Analysis started at: 9/11/2025 11:23:01 PM

Comment: T1 IS RR

Rack Number: 4

Vial Numbers: 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0011 ppm	100.6018 ppm	0.0078 ppm	0.0014 ppm	0.1851 ppm	0.0081 ppm	5.6992 ppm
Concentration per Run	0.0016 ppm	100.7194 ppm	0.0086 ppm	0.0018 ppm	0.1846 ppm	0.0081 ppm	5.7122 ppm
Concentration per Run	0.0013 ppm	100.5430 ppm	0.0064 ppm	0.0005 ppm	0.1850 ppm	0.0082 ppm	5.6814 ppm
Concentration per Run	0.0005 ppm	100.5428 ppm	0.0084 ppm	0.0021 ppm	0.1857 ppm	0.0081 ppm	5.7040 ppm
Concentration RSD	48.9 %	0.1 %	15.6 %	59.9 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0411 ppm	0.1067 ppm	0.1771 ppm	138.5871 ppm	47.6738 ppm	1.3001 ppm
Concentration per Run	0.0008 ppm	0.0411 ppm	0.1065 ppm	0.1762 ppm	137.7693 ppm	47.6265 ppm	1.2811 ppm
Concentration per Run	0.0008 ppm	0.0417 ppm	0.1069 ppm	0.1777 ppm	138.7784 ppm	47.4475 ppm	1.3054 ppm
Concentration per Run	0.0005 ppm	0.0406 ppm	0.1066 ppm	0.1773 ppm	139.2138 ppm	47.9473 ppm	1.3135 ppm
Concentration RSD	21.4 %	1.3 %	0.2 %	0.4 %	0.5 %	0.5 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	120.8759 ppm	2.0849 ppm	-0.0004 ppm	10.5003 ppm	0.1301 ppm	0.0486 ppm	0.0021 ppm
Concentration per Run	120.8031 ppm	2.0950 ppm	-0.0004 ppm	10.5927 ppm	0.1295 ppm	0.0486 ppm	0.0010 ppm
Concentration per Run	120.4853 ppm	2.0690 ppm	-0.0003 ppm	10.4147 ppm	0.1300 ppm	0.0487 ppm	0.0064 ppm
Concentration per Run	121.3392 ppm	2.0907 ppm	-0.0005 ppm	10.4936 ppm	0.1308 ppm	0.0484 ppm	-0.0013 ppm
Concentration RSD	0.4 %	0.7 %	24.9 %	0.8 %	0.5 %	0.3 %	191.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	2.1049 ppm	0.0055 ppm	0.0324 ppm	3.5142 ppm	0.0027 ppm	0.1949 ppm
Concentration per Run	0.0031 ppm	2.0946 ppm	0.0055 ppm	0.0325 ppm	3.5171 ppm	0.0022 ppm	0.1943 ppm
Concentration per Run	-0.0022 ppm	2.1088 ppm	0.0055 ppm	0.0323 ppm	3.5035 ppm	0.0028 ppm	0.1951 ppm
Concentration per Run	0.0058 ppm	2.1114 ppm	0.0054 ppm	0.0323 ppm	3.5220 ppm	0.0032 ppm	0.1952 ppm
Concentration RSD	179.6 %	0.4 %	1.6 %	0.3 %	0.3 %	17.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2954 ppm	100.7696 ppm	101.1916 ppm	93.7007 ppm	124.6293 ppm	127.7099 ppm	124.5399 ppm
Concentration per Run	0.2940 ppm	101.1280 ppm	100.9610 ppm	93.3648 ppm	124.5651 ppm	127.5519 ppm	123.7870 ppm
Concentration per Run	0.2954 ppm	100.2447 ppm	101.7652 ppm	93.8943 ppm	123.9699 ppm	128.0218 ppm	125.1333 ppm
Concentration per Run	0.2968 ppm	100.9360 ppm	100.8487 ppm	93.8431 ppm	125.3531 ppm	127.5561 ppm	124.6996 ppm
Concentration RSD	0.5 %	0.5 %	0.5 %	0.3 %	0.6 %	0.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-06d4 WG2112634

Analysis started at: 9/11/2025 11:25:08 PM

Comment: Mn LDR RR

Rack Number: 4

Vial Numbers: 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	59.3661 ppm	0.0132 ppm	0.0152 ppm	2.4078 ppm	0.0045 ppm	8.4229 ppm
Concentration per Run	-0.0006 ppm	59.3122 ppm	0.0124 ppm	0.0147 ppm	2.4056 ppm	0.0045 ppm	8.4353 ppm
Concentration per Run	0.0003 ppm	59.3441 ppm	0.0139 ppm	0.0163 ppm	2.4006 ppm	0.0045 ppm	8.4225 ppm
Concentration per Run	-0.0001 ppm	59.4419 ppm	0.0134 ppm	0.0145 ppm	2.4171 ppm	0.0044 ppm	8.4110 ppm
Concentration RSD	338.5 %	0.1 %	5.6 %	6.4 %	0.4 %	1.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0902 ppm	0.1079 ppm	0.0480 ppm	114.1343 ppm	8.7083 ppm	0.0876 ppm
Concentration per Run	0.0006 ppm	0.0897 ppm	0.1074 ppm	0.0476 ppm	114.3771 ppm	8.6793 ppm	0.0891 ppm
Concentration per Run	0.0005 ppm	0.0902 ppm	0.1075 ppm	0.0476 ppm	113.4375 ppm	8.7210 ppm	0.0869 ppm
Concentration per Run	0.0007 ppm	0.0905 ppm	0.1086 ppm	0.0487 ppm	114.5882 ppm	8.7247 ppm	0.0865 ppm
Concentration RSD	21.0 %	0.5 %	0.6 %	1.4 %	0.5 %	0.3 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.8800 ppm	12.4611 ppm	0.0002 ppm	0.9435 ppm	0.1275 ppm	0.0862 ppm	-0.0005 ppm
Concentration per Run	21.0235 ppm	12.4452 ppm	0.0000 ppm	0.9512 ppm	0.1280 ppm	0.0861 ppm	-0.0019 ppm
Concentration per Run	20.8631 ppm	12.4596 ppm	0.0006 ppm	0.9438 ppm	0.1264 ppm	0.0862 ppm	0.0001 ppm
Concentration per Run	20.7533 ppm	12.4784 ppm	-0.0001 ppm	0.9356 ppm	0.1280 ppm	0.0862 ppm	0.0003 ppm
Concentration RSD	0.7 %	0.1 %	211.6 %	0.8 %	0.7 %	0.0 %	242.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0032 ppm	1.8157 ppm	0.0054 ppm	0.0694 ppm	1.3793 ppm	-0.0011 ppm	0.2224 ppm
Concentration per Run	0.0035 ppm	1.8237 ppm	0.0057 ppm	0.0696 ppm	1.3932 ppm	-0.0007 ppm	0.2233 ppm
Concentration per Run	0.0038 ppm	1.8161 ppm	0.0057 ppm	0.0691 ppm	1.3752 ppm	-0.0012 ppm	0.2223 ppm
Concentration per Run	0.0024 ppm	1.8072 ppm	0.0048 ppm	0.0694 ppm	1.3695 ppm	-0.0015 ppm	0.2217 ppm
Concentration RSD	22.6 %	0.5 %	9.9 %	0.4 %	0.9 %	37.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2269 ppm	100.1162 %	99.6717 %	94.6450 %	116.2207 %	118.5336 %	116.4076 %
Concentration per Run	0.2272 ppm	99.5072 %	100.2209 %	94.8116 %	115.3420 %	119.1984 %	116.5487 %
Concentration per Run	0.2270 ppm	100.8001 %	99.1940 %	94.9788 %	117.1530 %	117.9440 %	116.6777 %
Concentration per Run	0.2264 ppm	100.0413 %	99.6002 %	94.1447 %	116.1670 %	118.4585 %	115.9963 %
Concentration RSD	0.2 %	0.6 %	0.5 %	0.5 %	0.8 %	0.5 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 11:27:15 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5062 ppm	0.4881 ppm	0.4829 ppm	0.4706 ppm	0.4965 ppm	0.5096 ppm	0.4916 ppm
Concentration per Run	0.5064 ppm	0.4955 ppm	0.4840 ppm	0.4703 ppm	0.4946 ppm	0.5088 ppm	0.4880 ppm
Concentration per Run	0.5062 ppm	0.4793 ppm	0.4856 ppm	0.4712 ppm	0.4972 ppm	0.5097 ppm	0.4924 ppm
Concentration per Run	0.5058 ppm	0.4897 ppm	0.4791 ppm	0.4703 ppm	0.4976 ppm	0.5104 ppm	0.4943 ppm
Recovery Percentage	101.231 %	97.630 %	96.584 %	94.125 %	99.297 %	101.929 %	98.311 %
Concentration RSD	0.1 %	1.7 %	0.7 %	0.1 %	0.3 %	0.2 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5085 ppm	0.5083 ppm	0.5126 ppm	0.5258 ppm	0.5002 ppm	5.1635 ppm	0.5164 ppm
Concentration per Run	0.5078 ppm	0.5078 ppm	0.5102 ppm	0.5238 ppm	0.5017 ppm	5.1619 ppm	0.5056 ppm
Concentration per Run	0.5096 ppm	0.5104 ppm	0.5154 ppm	0.5281 ppm	0.4989 ppm	5.1589 ppm	0.5251 ppm
Concentration per Run	0.5080 ppm	0.5069 ppm	0.5123 ppm	0.5254 ppm	0.5000 ppm	5.1697 ppm	0.5185 ppm
Recovery Percentage	101.696 %	101.669 %	102.526 %	105.156 %	100.040 %	103.270 %	103.278 %
Concentration RSD	0.2 %	0.4 %	0.5 %	0.4 %	0.3 %	0.1 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5184 ppm	0.5009 ppm	0.4818 ppm	10.0126 ppm	0.5170 ppm	0.5124 ppm	0.5085 ppm
Concentration per Run	0.5206 ppm	0.5020 ppm	0.4821 ppm	9.9777 ppm	0.5151 ppm	0.5104 ppm	0.5042 ppm
Concentration per Run	0.5186 ppm	0.4826 ppm	0.4826 ppm	10.1080 ppm	0.5191 ppm	0.5152 ppm	0.5103 ppm
Concentration per Run	0.5161 ppm	0.5009 ppm	0.4807 ppm	9.9520 ppm	0.5168 ppm	0.5116 ppm	0.5113 ppm
Recovery Percentage	103.682 %	100.178 %	100.178 %	96.359 %	103.401 %	102.481 %	101.719 %
Concentration RSD	0.4 %	0.2 %	0.2 %	0.8 %	0.4 %	0.5 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4785 ppm	5.4447 ppm	0.4918 ppm	0.5113 ppm	0.5078 ppm	0.4853 ppm	0.5195 ppm
Concentration per Run	0.4759 ppm	5.4412 ppm	0.4895 ppm	0.5101 ppm	0.5096 ppm	0.4877 ppm	0.5187 ppm
Concentration per Run	0.4813 ppm	5.4531 ppm	0.4933 ppm	0.5120 ppm	0.5082 ppm	0.4849 ppm	0.5205 ppm
Concentration per Run	0.4782 ppm	5.4397 ppm	0.4925 ppm	0.5117 ppm	0.5057 ppm	0.4832 ppm	0.5193 ppm
Recovery Percentage	95.694 %	103.708 %	98.356 %	102.252 %	101.569 %	97.054 %	103.901 %
Concentration RSD	0.6 %	0.1 %	0.4 %	0.2 %	0.4 %	0.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4838 ppm	97.2740 %	95.4515 %	95.4352 %	95.3509 %	95.1570 %	94.7067 %
Concentration per Run	0.4837 ppm	96.8168 %	96.7562 %	96.4516 %	95.0272 %	96.2404 %	95.4003 %
Concentration per Run	0.4855 ppm	96.9036 %	94.3476 %	94.9987 %	95.1231 %	96.3672 %	94.6030 %
Concentration per Run	0.4823 ppm	98.1015 %	95.2506 %	94.8553 %	95.9026 %	94.8633 %	94.1169 %
Recovery Percentage	96.765 %						
Concentration RSD	0.3 %	0.7 %	1.3 %	0.9 %	0.5 %	1.0 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 11:29:21 PM

Analysis started at:

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Rack Number

Vial Numbers

0

4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	-0.0089 ppm	0.0014 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0030 ppm
Concentration per Run	-0.0007 ppm	-0.0007 ppm	0.0021 ppm	0.0034 ppm	0.0000 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run	-0.0002 ppm	-0.0082 ppm	0.0025 ppm	-0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0020 ppm
Concentration per Run	-0.0012 ppm	-0.0152 ppm	-0.0003 ppm	-0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0039 ppm
Recovery Percentage	-10.272 %	-8.930 %	28.618 %	-1.718 %	-0.177 %	0.729 %	-3.008 %
Concentration RSD	66.6 %	66.9 %	103.9 %	132.0 %	289.9 %	40.7 %	32.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0007 ppm	0.0007 ppm	0.0001 ppm	0.0014 ppm	-0.0269 ppm	0.0017 ppm
Concentration per Run	0.0001 ppm	0.0009 ppm	0.0009 ppm	0.0001 ppm	0.0016 ppm	-0.0359 ppm	0.0021 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0006 ppm	0.0010 ppm	-0.0329 ppm	0.0032 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0001 ppm	-0.0005 ppm	0.0015 ppm	-0.0117 ppm	-0.0003 ppm
Recovery Percentage	1.065 %	3.405 %	0.683 %	0.673 %	2.720 %	-1.074 %	33.335 %
Concentration RSD	123.8 %	34.1 %	799.2 %	799.2 %	22.5 %	49.2 %	108.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0024 ppm	-0.0002 ppm	0.0002 ppm	-0.0079 ppm	-0.0010 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	-0.0018 ppm	-0.0002 ppm	0.0002 ppm	-0.0071 ppm	-0.0016 ppm	0.0005 ppm	0.0014 ppm
Concentration per Run	-0.0003 ppm	-0.0003 ppm	0.0001 ppm	-0.0060 ppm	-0.0007 ppm	0.0001 ppm	-0.0027 ppm
Concentration per Run	-0.0051 ppm	-0.0002 ppm	0.0002 ppm	-0.0105 ppm	-0.0007 ppm	0.0001 ppm	0.0012 ppm
Recovery Percentage	-2.409 %	-2.141 %	0.308 %	-0.393 %	-4.153 %	2.407 %	-0.041 %
Concentration RSD	102.2 %	18.8 %	16.6 %	29.9 %	49.9 %	78.8 %	11.539.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	0.0023 ppm	0.0011 ppm	0.0000 ppm	-0.0007 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run	0.0009 ppm	0.0047 ppm	0.0010 ppm	0.0000 ppm	-0.0005 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run	-0.0004 ppm	-0.0014 ppm	0.0017 ppm	0.0001 ppm	-0.0009 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0005 ppm	0.0037 ppm	0.0006 ppm	0.0000 ppm	-0.0007 ppm	0.0022 ppm	-0.0003 ppm
Recovery Percentage	3.409 %	0.462 %	2.231 %	0.233 %	-7.192 %	2.545 %	-2.483 %
Concentration RSD	204.5 %	142.0 %	46.3 %	244.3 %	32.0 %	301.5 %	52.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	96.7744 %	94.6318 %	95.0614 %	97.1768 %	95.3992 %
Concentration per Run	0.0002 ppm	96.8674 %	94.4467 %	94.6088 %	96.7950 %	95.0603 %
Concentration per Run	-0.0001 ppm	96.5888 %	94.6107 %	94.9337 %	97.3123 %	95.3687 %
Concentration per Run	0.0000 ppm	96.8669 %	94.8379 %	95.6436 %	97.4232 %	95.7687 %
Recovery Percentage	0.630 %	0.2 %	0.2 %	0.6 %	0.3 %	0.5 %
Concentration RSD	476.7 %	0.2 %	0.2 %	0.6 %	0.3 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 11:31:28 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5023 ppm	0.4751 ppm	0.4796 ppm	0.4641 ppm	0.4915 ppm	0.5055 ppm	0.4871 ppm
Concentration per Run	0.5022 ppm	0.4765 ppm	0.4823 ppm	0.4621 ppm	0.4925 ppm	0.5053 ppm	0.4939 ppm
Concentration per Run	0.5013 ppm	0.4776 ppm	0.4808 ppm	0.4643 ppm	0.4909 ppm	0.5066 ppm	0.4792 ppm
Concentration per Run	0.5034 ppm	0.4711 ppm	0.4756 ppm	0.4660 ppm	0.4909 ppm	0.5045 ppm	0.4882 ppm
Recovery Percentage	100.463 %	95.012 %	95.917 %	92.830 %	98.290 %	101.091 %	97.417 %
Concentration RSD	0.2 %	0.7 %	0.7 %	0.4 %	0.2 %	0.2 %	1.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5015 ppm	0.5025 ppm	0.5073 ppm	0.5201 ppm	0.4926 ppm	5.1104 ppm	0.5095 ppm
Concentration per Run	0.5032 ppm	0.5028 ppm	0.5086 ppm	0.5214 ppm	0.4951 ppm	5.1556 ppm	0.5098 ppm
Concentration per Run	0.5002 ppm	0.5016 ppm	0.5084 ppm	0.5189 ppm	0.4919 ppm	5.0849 ppm	0.5130 ppm
Concentration per Run	0.5011 ppm	0.5079 ppm	0.5099 ppm	0.5199 ppm	0.4908 ppm	5.0906 ppm	0.5058 ppm
Recovery Percentage	100.300 %	100.509 %	101.464 %	104.016 %	98.517 %	102.207 %	101.901 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.2 %	0.5 %	0.8 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5144 ppm	0.4961 ppm	0.4747 ppm	9.9665 ppm	0.5091 ppm	0.5084 ppm	0.5022 ppm
Concentration per Run	0.5167 ppm	0.4981 ppm	0.4758 ppm	9.9658 ppm	0.5104 ppm	0.5088 ppm	0.5050 ppm
Concentration per Run	0.5115 ppm	0.4945 ppm	0.4727 ppm	9.9305 ppm	0.5073 ppm	0.5077 ppm	0.5026 ppm
Concentration per Run	0.5149 ppm	0.4957 ppm	0.4756 ppm	10.0633 ppm	0.5096 ppm	0.5087 ppm	0.4990 ppm
Recovery Percentage	102.874 %	99.217 %	94.938 %	99.865 %	101.821 %	101.679 %	100.441 %
Concentration RSD	0.5 %	0.4 %	0.4 %	0.7 %	0.3 %	0.1 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4738 ppm	5.3753 ppm	0.4822 ppm	0.5059 ppm	0.5049 ppm	0.4826 ppm	0.5140 ppm
Concentration per Run	0.4745 ppm	5.3898 ppm	0.4806 ppm	0.5054 ppm	0.5075 ppm	0.4833 ppm	0.5153 ppm
Concentration per Run	0.4736 ppm	5.3528 ppm	0.4798 ppm	0.5057 ppm	0.5018 ppm	0.4804 ppm	0.5117 ppm
Concentration per Run	0.4732 ppm	5.3833 ppm	0.4864 ppm	0.5067 ppm	0.5054 ppm	0.4841 ppm	0.5150 ppm
Recovery Percentage	94.752 %	102.387 %	96.449 %	101.182 %	100.977 %	96.521 %	102.803 %
Concentration RSD	0.1 %	0.4 %	0.7 %	0.1 %	0.6 %	0.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4748 ppm	98.5874 %	95.7754 %	95.7151 %	96.7761 %	95.9370 %	94.7355 %
Concentration per Run	0.4757 ppm	98.8271 %	95.2245 %	95.4430 %	97.4218 %	95.7775 %	94.3900 %
Concentration per Run	0.4733 ppm	99.1582 %	96.6542 %	96.3750 %	96.9239 %	95.5088 %	95.5088 %
Concentration per Run	0.4754 ppm	97.7770 %	95.4475 %	95.3272 %	95.9824 %	96.0848 %	94.3078 %
Recovery Percentage	94.967 %						
Concentration RSD	0.3 %	0.7 %	0.8 %	0.6 %	0.8 %	0.2 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: CCB
Analysis started at: 9/11/2025 11:33:35 PM
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Rack Number: 0
Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	-0.0025 ppm	0.0014 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm	-0.0036 ppm
Concentration per Run	-0.0008 ppm	-0.0133 ppm	0.0031 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run	-0.0015 ppm	0.0105 ppm	0.0008 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0024 ppm
Concentration per Run	-0.0001 ppm	-0.0046 ppm	0.0004 ppm	-0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0056 ppm
Recovery Percentage	-11.555 %	-2.513 %	28.851 %	-1.718 %	-1.531 %	0.166 %	-3.635 %
Concentration RSD	87.5 %	479.1 %	101.5 %	185.3 %	47.3 %	362.6 %	48.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm	0.0010 ppm	-0.0163 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0005 ppm	-0.0001 ppm	-0.0001 ppm	-0.0224 ppm	0.0004 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0002 ppm	-0.0003 ppm	0.0016 ppm	0.0014 ppm	0.0023 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0003 ppm	0.0015 ppm	-0.0279 ppm	0.0027 ppm
Recovery Percentage	1.445 %	2.549 %	-0.456 %	-0.193 %	1.986 %	-0.651 %	36.363 %
Concentration RSD	145.4 %	22.6 %	520.0 %	1,498.1 %	92.4 %	95.8 %	67.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0034 ppm	-0.0002 ppm	0.0002 ppm	-0.0061 ppm	0.0000 ppm	0.0009 ppm	-0.0006 ppm
Concentration per Run	-0.0030 ppm	-0.0004 ppm	0.0005 ppm	-0.0031 ppm	-0.0004 ppm	0.0015 ppm	-0.0019 ppm
Concentration per Run	-0.0058 ppm	-0.0002 ppm	0.0000 ppm	-0.0093 ppm	0.0004 ppm	0.0002 ppm	-0.0007 ppm
Concentration per Run	-0.0015 ppm	-0.0002 ppm	0.0000 ppm	-0.0057 ppm	0.0001 ppm	0.0009 ppm	0.0007 ppm
Recovery Percentage	-3.414 %	-2.495 %	0.335 %	-0.303 %	0.112 %	8.532 %	-1.288 %
Concentration RSD	63.4 %	41.3 %	176.3 %	51.6 %	1,558.2 %	79.0 %	198.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0007 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	-0.0014 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	-0.0014 ppm	-0.0017 ppm	-0.0003 ppm	0.0000 ppm	-0.0015 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run	-0.0004 ppm	-0.0001 ppm	-0.0004 ppm	0.0000 ppm	-0.0014 ppm	0.0002 ppm	-0.0004 ppm
Concentration per Run	-0.0003 ppm	0.0030 ppm	0.0012 ppm	0.0000 ppm	-0.0013 ppm	0.0020 ppm	-0.0001 ppm
Recovery Percentage	-6.945 %	0.082 %	0.327 %	-0.190 %	-14.204 %	3.423 %	-0.691 %
Concentration RSD	87.3 %	586.1 %	560.6 %	119.7 %	9.2 %	162.6 %	446.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	96.6779 %	93.6495 %	95.0474 %	96.7279 %	95.2909 %	95.4848 %
Concentration per Run	0.0000 ppm	96.6247 %	94.0254 %	95.3371 %	96.4091 %	96.2068 %	95.8052 %
Concentration per Run	0.0006 ppm	96.3793 %	93.5396 %	95.1401 %	96.3333 %	94.3717 %	95.6490 %
Concentration per Run	0.0002 ppm	97.0299 %	93.3835 %	94.6649 %	97.4412 %	95.2942 %	95.0003 %
Recovery Percentage	5.710 %	0.3 %	0.4 %	0.4 %	0.6 %	1.0 %	0.4 %
Concentration RSD	90.5 %						

QC True Values: ICP

	Element	True Value (mg/L)		Element	True Value (mg/L)
ICV/CCV	Al	0.50	CRI	Al	0.40
	K	5.00		Sb	0.10
	Na	10.00		As	0.02
	Si	5.25		Ba	0.04
ICSA				Be	0.01
	Al	250		Bi	0.02
	Ca	250		B	0.10
	Fe	100		Cd	0.01
ICSB	Mg	250		Ca	0.40
				Cr	0.02
	Al	9.00		Co	0.10
	Sb	1.00		Cu	0.05
	As	1.00		Fe	0.20
	Ba	0.30		Pb	0.05
	Be	0.10		Mg	0.40
	Bi	1.00		Mn	0.03
	B	0.50		Mo	0.10
	Cd	0.30		Ni	0.08
	Ca	45.00		K	5.00
	Cr	0.30		Se	0.02
	Co	0.30		Si	1.00
	Cu	0.30		Ag	0.02
	Fe	37.50		Na	5.00
	Pb	1.00		Sr	0.02
	Mg	22.50		Tl	0.02
	Mn	0.20		Sn	0.02
	Mo	0.30		Ti	0.02
	Ni	0.30		V	0.10
	K	20.00		Zn	0.04
	Se	0.50			
	Si	1.23			
	Ag	0.30			
	Na	7.50			
	Sr	1.00			
	Tl	1.00			
	Sn	1.00			
	Ti	1.00			
	V	0.30			
	Zn	0.30			

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

LCS and MS Spike Concentrations—As of 08/09/2011

Element	Liquid Concentration(mg/L)	Soil Concentration (mg/kg)
Al	2.00	160
Sb	0.50	40
As	0.12	9.6
Ba	2.00	160
Be	0.05	4.0
Bi	1.00	80
B	1.00	80
Cd	0.051	4.08
Ca	10.0	800
Cr	0.20	16
Co	0.50	40
Cu	0.25	20
Fe	1.00	80
Pb	0.51	40.8
Mg	10.0	800
Mn	0.50	40
Mo	1.00	80
Ni	0.50	40
K	10.0	800
Se	0.12	9.6
Si	1.00	80
Ag	0.05	24
Na	10.0	800
Sr	1.00	80
Tl	0.12	9.6
Sn	1.00	80
Ti	1.00	80
V	0.50	40
Zn	0.50	40

Revised 8/9/11 Soil spike is based on (2x water spike)x(50/1.25), where 50 is the final volume of soil digestate and 1.25 is the nominal digestion weight of 1.25g, except in the case of Ag, where additional Ag is added to the spike.

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck




ISO/IEC GUIDE 34:2009

ISO/IEC 17025:2005



Page 3 of 3 Lot: D102-540

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

Certificate of Analysis

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAP proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAP compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

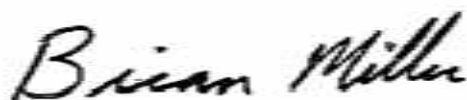
If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck





▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No.: D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

▪ **Certificate of Analysis** ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k \cdot \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
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5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] \times 100$
 The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
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If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION



Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

Page 1 of 4 Lot: D113-540

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

▪ Certificate of Analysis ▪

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Where:

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 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
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This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

Page 1 of 4 Lot: D126-540

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Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379



A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

Page 3 of 4 Lot: D126-540

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This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.



Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration ($\mu\text{g/L}$). This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})}{A}$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{\text{solids}}}$$

Where:

$\%_{\text{solids}}$ = Percent Solids, as a decimal value

Sequence Trace 5

9/8/2025 8:59:29 PM



LabBook: WG2111813_09082025T5.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank LRS Trace5	0	1	9/8/2025 5:44:46 AM
2	ICAL	0	2	9/8/2025 5:51:07 AM
3	ICV	0	3	9/8/2025 6:02:35 AM
4	ICB	0	4	9/8/2025 6:08:38 AM
5	ICV	0	10	9/8/2025 6:15:02 AM
6	ICB	0	4	9/8/2025 6:21:09 AM
7	ICSA	0	6	9/8/2025 6:27:31 AM
8	SIC Multi	0	7	9/8/2025 6:34:15 AM
9	LDR Check	0	8	9/8/2025 6:41:06 AM
10	xLLOQ RL	0	5	9/8/2025 6:47:47 AM
11	LLOQ RL	0	5	9/8/2025 7:23:08 AM
12	xLDR 200 Fe	1	1	9/8/2025 7:29:29 AM
13	LDR 500 Ca Pass	1	2	9/8/2025 7:50:29 AM
14	LLOQ .005 ppm Zn	1	3	9/8/2025 8:00:33 AM
15	LLOQ .01 ppm Cu Pb	1	4	9/8/2025 8:06:52 AM
16	zLLOQ .05 ppm	1	5	9/8/2025 8:13:11 AM
17	LDR 100 Fe	1	6	9/8/2025 8:20:45 AM
18	CCV	0	3	9/8/2025 8:30:56 AM
19	CCB	0	4	9/8/2025 8:36:59 AM
20	CCV	0	10	9/8/2025 8:55:59 AM
21	CCB	0	4	9/8/2025 9:02:06 AM
22	WG2111041-1 WG2111041	1	7	9/8/2025 9:23:18 AM
23	WG2111041-2 WG2111041	1	8	9/8/2025 9:29:38 AM
24	L2555570-01 WG2111041	1	14	9/8/2025 9:35:50 AM
25	L2555570-02 WG2111041	1	15	9/8/2025 9:42:06 AM
26	LDR 200 Fe	1	16	9/8/2025 9:48:29 AM
27	L2555135-01 WG2111041	1	9	9/8/2025 9:54:56 AM
28	WG2111041-3 WG2111041	1	10	9/8/2025 10:01:22 AM
29	WG2111041-4 WG2111041	1	11	9/8/2025 10:07:43 AM
30	WG2111041-5 WG2111041	1	12	9/8/2025 10:14:11 AM
31	WG2111041-6d5 WG2111041	1	13	9/8/2025 10:20:32 AM
32	CCV	0	3	9/8/2025 10:27:00 AM
33	CCB	0	4	9/8/2025 10:33:03 AM
34	xWG2111041-1 WG2111041	1	17	9/8/2025 10:54:52 AM
35	WG2111346-1 WG2111346	1	18	9/8/2025 11:10:13 AM
36	WG2111346-2 WG2111346	1	19	9/8/2025 11:16:34 AM
37	L2555605-02 WG2111346	1	20	9/8/2025 11:22:44 AM
38	WG2111346-3 WG2111346	1	21	9/8/2025 11:29:01 AM
39	WG2111346-4 WG2111346	1	22	9/8/2025 11:35:11 AM
40	WG2111346-5 WG2111346	1	23	9/8/2025 11:41:21 AM
41	WG2111346-6D5 WG2111346	1	24	9/8/2025 11:47:31 AM
42	L2555975-01 WG2111346	1	25	9/8/2025 11:53:50 AM
43	L2553333-14D2 WG2110884	1	26	9/8/2025 12:00:10 PM
44	CCV	0	3	9/8/2025 12:06:26 PM
45	CCB	0	4	9/8/2025 12:12:29 PM
46	XXwrong_spot	0	4	9/8/2025 12:26:52 PM
47	WG2110801-1 WG2110801	1	27	9/8/2025 12:30:38 PM
48	WG2110801-2D2 WG2110801	1	28	9/8/2025 12:36:56 PM
49	L2553099-08D2 WG2110801	1	29	9/8/2025 12:43:06 PM
50	WG2110801-3D2 WG2110801	1	30	9/8/2025 12:49:25 PM
51	WG2110801-4D2 WG2110801	1	31	9/8/2025 12:55:34 PM
52	WG2110801-5D2 WG2110801	1	32	9/8/2025 1:01:44 PM
53	WG2110801-6D10 WG2110801	1	33	9/8/2025 1:07:54 PM
54	L2554567-08D2 WG2110801	1	34	9/8/2025 1:14:09 PM
55	CCV	0	3	9/8/2025 1:21:07 PM
56	CCB	0	4	9/8/2025 1:27:10 PM
57	CCV	0	3	9/8/2025 1:46:14 PM
58	CCB	0	4	9/8/2025 1:52:17 PM
59	I2554343-03 WG2109670	1	35	9/8/2025 2:19:30 PM
60	I2554427-05 WG2109670	1	36	9/8/2025 2:25:52 PM
61	I2554567-22 WG2109670	1	37	9/8/2025 2:32:15 PM
62	I2554677-20 WG2109670	1	38	9/8/2025 2:38:35 PM
63	WG2110335-1 WG2110335	1	40	9/8/2025 2:44:56 PM
64	WG2110335-2 WG2110335	1	41	9/8/2025 2:51:17 PM
65	WG2110335-3 WG2110335	1	42	9/8/2025 2:57:26 PM
66	WG2110335-4 WG2110335	1	43	9/8/2025 3:03:37 PM
67	WG2110335-5 WG2110335	1	44	9/8/2025 3:09:47 PM
68	Test ICV 2311 TD	1	39	9/8/2025 3:15:58 PM
69	CCV	0	3	9/8/2025 3:21:59 PM
70	CCB	0	4	9/8/2025 3:28:02 PM
71	xxmisinjection	1	45	9/8/2025 3:34:26 PM
72	I2553987-06 WG2108375	1	45	9/8/2025 3:40:04 PM

Sequence Trace 5

9/8/2025 8:59:29 PM



Index:	Label:	Rack	Vial	Start time:
73	WG2108375-15 WG2108375	1	46	9/8/2025 3:46:16 PM
74	WG2108375-16 WG2108375	1	47	9/8/2025 3:52:26 PM
75	WG2108375-17 WG2108375	1	48	9/8/2025 3:58:36 PM
76	WG2108375-18D5 WG2108375	1	49	9/8/2025 4:04:47 PM
77	I2553099-09 WG2108375	1	50	9/8/2025 4:11:05 PM
78	I2553225-04 WG2108375	1	51	9/8/2025 4:17:23 PM
79	I2553399-21 WG2108375	1	52	9/8/2025 4:59:21 PM
80	I2553408-01 WG2108375	1	53	9/8/2025 5:05:42 PM
81	CCV	0	3	9/8/2025 5:16:36 PM
82	CCB	0	4	9/8/2025 5:22:40 PM
83	WG2109752-1 WG2109752	1	56	9/8/2025 5:34:28 PM
84	WG2109752-2 WG2109752	1	57	9/8/2025 5:40:50 PM
85	L2554233-03 WG2109752	1	58	9/8/2025 5:47:02 PM
86	WG2109752-3 WG2109752	1	59	9/8/2025 5:53:24 PM
87	WG2109752-4 WG2109752	1	60	9/8/2025 5:59:36 PM
88	WG2109752-5 WG2109752	2	1	9/8/2025 6:05:59 PM
89	WG2109752-6D5 WG2109752	2	2	9/8/2025 6:12:10 PM
90	L2554590-01 WG2109752	2	3	9/8/2025 6:18:31 PM
91	EL2553166-02 WG2108173	2	9	9/8/2025 6:24:56 PM
92	L2553166-02D10 WG2108173	2	10	9/8/2025 6:34:19 PM
93	CCV	0	3	9/8/2025 6:48:06 PM
94	CCB	0	4	9/8/2025 6:54:09 PM
95	L2554342-01 WG2109752	2	4	9/8/2025 7:12:40 PM
96	WG2109752-7 WG2109752	2	5	9/8/2025 7:19:03 PM
97	WG2109752-8 WG2109752	2	6	9/8/2025 7:25:20 PM
98	WG2109752-9 WG2109752	2	7	9/8/2025 7:31:43 PM
99	WG2109752-10D5 WG2109752	2	8	9/8/2025 7:38:04 PM
100	I2553464-13 WG2108375	1	54	9/8/2025 7:44:21 PM
101	I2553464-14 WG2108375	1	55	9/8/2025 7:50:43 PM
102	CCV	0	3	9/8/2025 8:02:39 PM
103	CCB	0	4	9/8/2025 8:08:42 PM
104	CCV	0	10	9/8/2025 8:20:50 PM
105	CCB	0	4	9/8/2025 8:26:57 PM
106	UNKNOWN	1	1	
107	UNKNOWN	1	1	
108	UNKNOWN	1	1	
109	UNKNOWN	1	1	
110	UNKNOWN	1	1	
111	UNKNOWN	1	1	
112	UNKNOWN	1	1	
113	UNKNOWN	1	1	
114	CCV	0	3	
115	CCB	0	4	
116	UNKNOWN	1	1	
117	CCV	0	10	
118	CCB	0	4	

Sequence Trace 9

9/11/2025 4:20:37 PM



LabBook: WG2113116_09102025T9.imexp

Summary

Index	Label	Rack	Vial	Started at
1	Blank MFR Trace9	0	1	9/10/2025 4:25:19 PM
2	ICAL	0	2	9/10/2025 4:28:45 PM
3	ICV	0	3	9/10/2025 4:33:15 PM
4	ICB	0	4	9/10/2025 4:36:29 PM
5	LLOQ	0	5	9/10/2025 4:40:23 PM
6	ICSA	0	6	9/10/2025 4:43:38 PM
7	SIC Multi	0	7	9/10/2025 4:48:25 PM
8	LDR Check	0	8	9/10/2025 4:52:11 PM
9	xLLOQ 005	1	1	9/10/2025 5:03:40 PM
10	xLLOQ 01	1	2	9/10/2025 5:06:58 PM
11	xLLOQ 005	1	3	9/10/2025 5:26:31 PM
12	LLOQ 01 As	1	4	9/10/2025 5:29:50 PM
13	CCV	0	3	9/10/2025 5:41:38 PM
14	CCB	0	4	9/10/2025 5:45:05 PM
15	LLOQ 05 Se	1	5	9/10/2025 5:51:14 PM
16	xLLOQ 02	1	6	9/10/2025 5:58:41 PM
17	WG2113011-1 WG2113011	1	7	9/10/2025 6:20:25 PM
18	WG2113011-2 WG2113011	1	8	9/10/2025 6:23:52 PM
19	L2556247-01 WG2113011	1	9	9/10/2025 6:27:07 PM
20	WG2113011-3 WG2113011	1	10	9/10/2025 6:30:21 PM
21	WG2113011-4 WG2113011	1	11	9/10/2025 6:33:36 PM
22	L2556247-04 WG2113011	1	12	9/10/2025 6:36:51 PM
23	xautosampler error	1	13	9/10/2025 6:40:07 PM
24	CCV	0	3	9/10/2025 6:43:19 PM
25	CCB	0	4	9/10/2025 6:46:33 PM
26	WG2112414-1 WG2112414	1	14	9/10/2025 7:04:43 PM
27	WG2112414-2 WG2112414	1	15	9/10/2025 7:08:01 PM
28	L2556284-01 WG2113011	1	13	9/10/2025 7:11:56 PM
29	L2555555-01 WG2112414	1	16	9/10/2025 7:15:08 PM
30	WG2112414-3 WG2112414	1	17	9/10/2025 7:18:20 PM
31	WG2112414-4 WG2112414	1	18	9/10/2025 7:21:33 PM
32	L2555555-02 WG2112414	1	19	9/10/2025 7:24:47 PM
33	L2555555-03 WG2112414	1	20	9/10/2025 7:28:00 PM
34	L2555555-04 WG2112414	1	21	9/10/2025 7:31:15 PM
35	L2555555-05 WG2112414	1	22	9/10/2025 7:34:29 PM
36	CCV	0	3	9/10/2025 7:37:43 PM
37	CCB	0	4	9/10/2025 7:40:58 PM
38	L2555555-06 WG2112414	1	23	9/10/2025 8:13:33 PM
39	L2555781-01 WG2112414	1	24	9/10/2025 8:16:53 PM
40	L2555847-03 WG2112414	1	25	9/10/2025 8:20:08 PM
41	CCV	0	3	9/10/2025 8:24:12 PM
42	CCB	0	4	9/10/2025 8:27:26 PM
43	WG2113110-1 WG2113110	1	26	9/10/2025 8:52:33 PM
44	WG2113110-2 WG2113110	1	27	9/10/2025 8:56:00 PM
45	L2553860-02 WG2113110	1	28	9/10/2025 8:59:12 PM
46	WG2113110-3 WG2113110	1	29	9/10/2025 9:02:25 PM
47	WG2113110-4 WG2113110	1	30	9/10/2025 9:05:38 PM
48	L2553860-01 WG2113110	1	31	9/10/2025 9:08:51 PM
49	L2553860-05 WG2113110	1	32	9/10/2025 9:12:05 PM
50	L2553860-06 WG2113110	1	33	9/10/2025 9:15:19 PM
51	L2553860-07 WG2113110	1	34	9/10/2025 9:18:34 PM
52	CCV	0	3	9/10/2025 9:21:49 PM
53	CCB	0	4	9/10/2025 9:25:03 PM
54	WG2113095-1 WG2113095	1	35	9/10/2025 9:36:38 PM
55	WG2113095-2 WG2113095	1	36	9/10/2025 9:39:59 PM
56	L2555174-02 WG2113095	1	37	9/10/2025 9:43:15 PM
57	WG2113095-3 WG2113095	1	38	9/10/2025 9:46:28 PM
58	WG2113095-4 WG2113095	1	39	9/10/2025 9:49:41 PM
59	L2555174-03 WG2113095	1	40	9/10/2025 9:52:54 PM
60	L2556249-01 WG2113095	1	41	9/10/2025 9:56:07 PM
61	L2556273-01 WG2113095	1	42	9/10/2025 9:59:21 PM
62	L2556273-02 WG2113095	1	43	9/10/2025 10:02:35 PM
63	CCV	0	3	9/10/2025 10:05:49 PM
64	CCB	0	4	9/10/2025 10:09:03 PM
65	WG2112565-1 WG2112565	1	44	9/10/2025 10:53:12 PM
66	WG2112565-2 WG2112565	1	45	9/10/2025 10:56:40 PM
67	L2554504-01 WG2112565	1	46	9/10/2025 10:59:55 PM
68	WG2112565-3 WG2112565	1	47	9/10/2025 11:03:10 PM

Sequence Trace 9

9/11/2025 4:20:37 PM



Index	Label	Rack	Vial	Started at
69	WG2112565-4 WG2112565	1	48	9/10/2025 11:06:25 PM
70	L2554097-01 WG2112565	1	49	9/10/2025 11:09:40 PM
71	L2554117-01 WG2112565	1	50	9/10/2025 11:12:53 PM
72	L2554117-02 WG2112565	1	51	9/10/2025 11:16:06 PM
73	CCV	0	3	9/10/2025 11:19:20 PM
74	CCB	0	4	9/10/2025 11:22:34 PM
75	CCV	0	3	9/10/2025 11:25:49 PM
76	CCB	0	4	9/10/2025 11:29:04 PM
77	CCV	0	3	9/11/2025 5:37:19 AM
78	CCB	0	4	9/11/2025 5:40:47 AM
79	WG2112844-1 WG2112844	1	52	9/11/2025 6:07:04 AM
80	WG2112844-2 WG2112844	1	53	9/11/2025 6:10:31 AM
81	eL2556550-01 WG2112844	1	54	9/11/2025 6:13:45 AM
82	eWG2112844-3 WG2112844	1	55	9/11/2025 6:16:58 AM
83	eWG2112844-4 WG2112844	1	56	9/11/2025 6:20:13 AM
84	eWG2112844-5 WG2112844	1	57	9/11/2025 6:23:27 AM
85	eWG2112844-6D5 WG2112844	1	58	9/11/2025 6:26:42 AM
86	CCV	0	3	9/11/2025 6:29:57 AM
87	CCB	0	4	9/11/2025 6:33:11 AM
88	WG2111288-1 WG2111288	1	59	9/11/2025 6:47:46 AM
89	WG2111288-2 WG2111288	1	60	9/11/2025 6:51:07 AM
90	L2555524-03 WG2111288	2	11	9/11/2025 6:54:23 AM
91	L2555524-04 WG2111288	2	12	9/11/2025 6:57:38 AM
92	L2555524-05 WG2111288	2	13	9/11/2025 7:00:54 AM
93	L2555524-01 WG2111288	2	1	9/11/2025 7:04:08 AM
94	WG2111288-3 WG2111288	2	2	9/11/2025 7:07:23 AM
95	WG2111288-4 WG2111288	2	3	9/11/2025 7:10:37 AM
96	WG2111288-5 WG2111288	2	4	9/11/2025 7:13:51 AM
97	WG2111288-6D5 WG2111288	2	5	9/11/2025 7:17:05 AM
98	CCV	0	3	9/11/2025 7:20:19 AM
99	CCB	0	4	9/11/2025 7:23:34 AM
100	L2555524-02 WG2111288	2	6	9/11/2025 7:32:30 AM
101	WG2111288-7 WG2111288	2	7	9/11/2025 7:35:51 AM
102	WG2111288-8 WG2111288	2	8	9/11/2025 7:39:05 AM
103	WG2111288-9 WG2111288	2	9	9/11/2025 7:42:20 AM
104	WG2111288-10D5 WG2111288	2	10	9/11/2025 7:45:36 AM
105	CCV	0	3	9/11/2025 7:48:51 AM
106	CCB	0	4	9/11/2025 7:52:06 AM
107	L2556550-01D5 WG2112844	2	21	9/11/2025 8:00:49 AM
108	WG2112844-3D5 WG2112844	2	22	9/11/2025 8:04:11 AM
109	WG2112844-4D5 WG2112844	2	23	9/11/2025 8:07:26 AM
110	WG2112844-5D5 WG2112844	2	24	9/11/2025 8:10:41 AM
111	WG2112844-6D25 WG2112844	2	25	9/11/2025 8:13:57 AM
112	CCV	0	3	9/11/2025 8:17:12 AM
113	CCB	0	4	9/11/2025 8:20:27 AM
114	L2555605-01 WG2111288	2	14	9/11/2025 8:24:32 AM
115	L2555605-03 WG2111288	2	15	9/11/2025 8:27:47 AM
116	L2555605-04 WG2111288	2	16	9/11/2025 8:31:02 AM
117	L2555605-05 WG2111288	2	17	9/11/2025 8:34:17 AM
118	L2555605-06 WG2111288	2	18	9/11/2025 8:37:32 AM
119	L2555605-07 WG2111288	2	19	9/11/2025 8:40:47 AM
120	L2555605-08 WG2111288	2	20	9/11/2025 8:44:03 AM
121	xWG2112844-6D25 WG2112844	2	26	9/11/2025 8:47:18 AM
122	CCV	0	3	9/11/2025 8:50:33 AM
123	CCB	0	4	9/11/2025 8:53:48 AM
124	WG2112651-1 WG2112651	2	27	9/11/2025 9:11:36 AM
125	WG2112651-2 WG2112651	2	28	9/11/2025 9:15:05 AM
126	L2555556-01 WG2112651	2	34	9/11/2025 9:18:20 AM
127	eL2556224-01 WG2112651	2	29	9/11/2025 9:21:36 AM
128	eWG2112651-3 WG2112651	2	30	9/11/2025 9:24:51 AM
129	eWG2112651-4 WG2112651	2	31	9/11/2025 9:28:07 AM
130	eWG2112651-5 WG2112651	2	32	9/11/2025 9:31:23 AM
131	xforgot to a sample in bracket	0	3	9/11/2025 9:36:09 AM
132	eWG2112651-6D5 WG2112651	2	33	9/11/2025 9:45:06 AM
133	CCV	0	3	9/11/2025 9:48:16 AM
134	CCB	0	4	9/11/2025 9:51:32 AM
135	L2556224-01D4 WG2112651	2	51	9/11/2025 10:02:25 AM
136	WG2112651-3D4 WG2112651	2	52	9/11/2025 10:05:47 AM
137	WG2112651-4D4 WG2112651	2	53	9/11/2025 10:09:03 AM
138	WG2112651-5D4 WG2112651	2	54	9/11/2025 10:12:19 AM
139	WG2112651-6D20 WG2112651	2	55	9/11/2025 10:15:36 AM
140	CCV	0	3	9/11/2025 10:18:52 AM
141	CCB	0	4	9/11/2025 10:22:07 AM
142	WG2113302-1 WG2113302	2	35	9/11/2025 10:29:41 AM

Sequence Trace 9

9/11/2025 4:20:37 PM



Index	Label	Rack	Vial	Started at
143	WG2113302-2 WG2113302	2	36	9/11/2025 10:33:03 AM
144	L2556217-01 WG2113302	2	37	9/11/2025 10:36:20 AM
145	WG2113302-3 WG2113302	2	38	9/11/2025 10:39:35 AM
146	WG2113302-4 WG2113302	2	39	9/11/2025 10:42:51 AM
147	L2556217-02 WG2113302	2	40	9/11/2025 10:46:07 AM
148	L2556217-05 WG2113302	2	41	9/11/2025 10:49:23 AM
149	L2556217-06 WG2113302	2	42	9/11/2025 10:52:38 AM
150	L2556217-10 WG2113302	2	43	9/11/2025 10:55:54 AM
151	L2556217-11 WG2113302	2	44	9/11/2025 10:59:11 AM
152	CCV	0	3	9/11/2025 11:02:27 AM
153	CCB	0	4	9/11/2025 11:05:42 AM
154	L2556217-14 WG2113302	2	45	9/11/2025 11:16:18 AM
155	L2556498-01 WG2113302	2	46	9/11/2025 11:19:48 AM
156	L2556498-02 WG2113302	2	47	9/11/2025 11:23:04 AM
157	L2556595-01 WG2113302	2	48	9/11/2025 11:26:20 AM
158	L2556595-02 WG2113302	2	49	9/11/2025 11:29:37 AM
159	L2556657-01 WG2113302	2	50	9/11/2025 11:32:53 AM
160	xL2556224-01D8 WG2112651	2	56	9/11/2025 11:43:10 AM
161	xWG2112651-4D8 WG2112651	2	57	9/11/2025 11:46:32 AM
162	xWG2112651-6D40 WG2112651	2	58	9/11/2025 11:49:49 AM
163	CCV	0	3	9/11/2025 11:53:05 AM
164	CCB	0	4	9/11/2025 11:56:21 AM
165	L2554831-03 WG2110254	3	4	9/11/2025 12:33:27 PM
166	L2554831-04 WG2110254	3	5	9/11/2025 12:36:50 PM
167	L2554831-05 WG2110254	3	6	9/11/2025 12:40:07 PM
168	L2554831-06 WG2110254	3	7	9/11/2025 12:43:24 PM
169	L2554831-07 WG2110254	3	8	9/11/2025 12:46:41 PM
170	L2554831-02 WG2110254	2	59	9/11/2025 12:49:58 PM
171	WG2110254-7 WG2110254	2	60	9/11/2025 12:53:14 PM
172	WG2110254-8 WG2110254	3	1	9/11/2025 12:56:31 PM
173	WG2110254-9 WG2110254	3	2	9/11/2025 12:59:48 PM
174	WG2110254-10D5 WG2110254	3	3	9/11/2025 1:03:05 PM
175	CCV	0	3	9/11/2025 1:08:04 PM
176	CCB	0	4	9/11/2025 1:11:28 PM
177	xLLOQ .005ppm	3	21	9/11/2025 1:18:24 PM
178	xLLOQ .01ppm	3	22	9/11/2025 1:21:47 PM
179	L2554883-01 WG2110254	3	9	9/11/2025 1:27:54 PM
180	L2554883-02 WG2110254	3	10	9/11/2025 1:31:14 PM
181	L2554883-03 WG2110254	3	11	9/11/2025 1:34:31 PM
182	L2554883-04 WG2110254	3	12	9/11/2025 1:37:48 PM
183	L2554883-05 WG2110254	3	13	9/11/2025 1:41:05 PM
184	L2554883-06 WG2110254	3	14	9/11/2025 1:44:22 PM
185	L2554883-07 WG2110254	3	15	9/11/2025 1:47:39 PM
186	CCV	0	3	9/11/2025 1:50:57 PM
187	CCB	0	4	9/11/2025 1:54:12 PM
188	WG2113114-1 WG2113114	3	16	9/11/2025 2:19:53 PM
189	WG2113114-2 WG2113114	3	17	9/11/2025 2:23:15 PM
190	L2555635-02 WG2113114	3	18	9/11/2025 2:26:32 PM
191	WG2113114-3 WG2113114	3	19	9/11/2025 2:29:50 PM
192	WG2113114-4 WG2113114	3	20	9/11/2025 2:33:07 PM
193	CCV	0	3	9/11/2025 2:36:24 PM
194	CCB	0	4	9/11/2025 2:39:40 PM
195		3	23	
196		3	24	
197		3	25	
198		3	26	
199		3	27	
200		3	28	
201		3	29	
202		3	30	

Sequence Trace 8

9/12/2025 8:26:04 AM



LabBook: WG2113407_09112025T8.imexp

Summary

Index	Label	Rack	Vial	Started at
1	Blank JMF Trace8	0	1	9/11/2025 9:29:55 AM
2	ICAL	0	2	9/11/2025 9:33:30 AM
3	ICV	0	3	9/11/2025 9:36:54 AM
4	ICB	0	4	9/11/2025 9:40:18 AM
5	ICV	0	10	9/11/2025 10:06:03 AM
6	ICB	0	4	9/11/2025 10:09:37 AM
7	LLOQ	0	5	9/11/2025 10:13:02 AM
8	ICSA	0	6	9/11/2025 10:16:28 AM
9	LDR 300 Fe pass	1	1	9/11/2025 10:21:26 AM
10	SIC Multi	0	7	9/11/2025 10:25:51 AM
11	LDR Check	0	8	9/11/2025 10:29:48 AM
12	LDR 5 As pass	1	2	9/11/2025 10:49:29 AM
13	LDR 700 Ca pass _IEC +Li	1	3	9/11/2025 10:54:00 AM
14	CCV	0	3	9/11/2025 11:09:42 AM
15	CCB	0	4	9/11/2025 11:13:19 AM
16	WG2113217-1 WG2113217	1	4	9/11/2025 11:25:26 AM
17	WG2113217-2D2 WG2113217	1	5	9/11/2025 11:28:56 AM
18	L2555987-20D2 WG2113217	1	11	9/11/2025 11:32:22 AM
19	L2555987-26D2 WG2113217	1	12	9/11/2025 11:35:48 AM
20	L2555987-29D2 WG2113217	1	13	9/11/2025 11:39:16 AM
21	eL2556270-17D2 WG2113217	1	6	9/11/2025 11:42:39 AM
22	L2556270-17D4 WG2113217	1	6	9/11/2025 12:01:14 PM
23	WG2113217-3D4 WG2113217	1	7	9/11/2025 12:04:52 PM
24	WG2113217-4D4 WG2113217	1	8	9/11/2025 12:08:17 PM
25	WG2113217-5D4 WG2113217	1	9	9/11/2025 12:11:43 PM
26	CCV	0	3	9/11/2025 12:15:09 PM
27	CCB	0	4	9/11/2025 12:18:34 PM
28	WG2113019-1 WG2113019	1	14	9/11/2025 12:29:31 PM
29	WG2113019-2 WG2113019	1	15	9/11/2025 12:33:07 PM
30	L2554381-01 WG2113019	1	21	9/11/2025 12:36:30 PM
31	L2556592-08 WG2113019	1	22	9/11/2025 12:39:56 PM
32	L2556222-01 WG2113019	1	16	9/11/2025 12:43:22 PM
33	WG2113019-3 WG2113019	1	17	9/11/2025 12:46:46 PM
34	WG2113019-4 WG2113019	1	18	9/11/2025 12:50:10 PM
35	WG2113019-5 WG2113019	1	19	9/11/2025 12:53:35 PM
36	WG2113019-6D5 WG2113019	1	20	9/11/2025 12:57:00 PM
37	WG2113217-6D20 WG2113217	1	10	9/11/2025 1:00:25 PM
38	CCV	0	3	9/11/2025 1:03:52 PM
39	CCB	0	4	9/11/2025 1:07:17 PM
40	WG2112844-1 WG2112844	1	23	9/11/2025 1:30:13 PM
41	WG2112844-2 WG2112844	1	24	9/11/2025 1:33:53 PM
42	L2556550-01d5 WG2112844	1	25	9/11/2025 1:37:19 PM
43	WG2112844-3d5 WG2112844	1	26	9/11/2025 1:40:42 PM
44	WG2112844-4d5 WG2112844	1	27	9/11/2025 1:44:06 PM
45	WG2112844-5d5 WG2112844	1	28	9/11/2025 1:47:30 PM
46	WG2112844-6D25 WG2112844	1	29	9/11/2025 1:50:53 PM
47	CCV	0	3	9/11/2025 1:54:18 PM
48	CCB	0	4	9/11/2025 1:57:42 PM
49	L2555251-17 WG2111067	1	35	9/11/2025 2:43:08 PM
50	L2555433-01 WG2111067	1	36	9/11/2025 2:46:46 PM
51	L2555433-02 WG2111067	1	37	9/11/2025 2:50:13 PM
52	L2555251-16 WG2111067	1	30	9/11/2025 2:53:37 PM
53	WG2111067-3 WG2111067	1	31	9/11/2025 3:00:33 PM
54	WG2111067-4 WG2111067	1	32	9/11/2025 3:04:11 PM
55	WG2111067-5 WG2111067	1	33	9/11/2025 3:07:37 PM
56	WG2111067-6d5 WG2111067	1	34	9/11/2025 3:11:02 PM
57	CCV	0	3	9/11/2025 3:15:58 PM
58	CCB	0	4	9/11/2025 3:19:23 PM
59	WG2112034-1 WG2112034	1	38	9/11/2025 3:39:51 PM
60	WG2112034-2 WG2112034	1	39	9/11/2025 3:43:30 PM
61	L2555524-01 WG2112034	1	50	9/11/2025 3:46:53 PM
62	L2555524-02 WG2112034	1	51	9/11/2025 3:50:18 PM
63	L2555524-03 WG2112034	1	52	9/11/2025 3:53:42 PM
64	L2555605-02 WG2112034	1	40	9/11/2025 3:57:06 PM
65	WG2112034-3 WG2112034	1	41	9/11/2025 4:00:30 PM
66	WG2112034-4 WG2112034	1	42	9/11/2025 4:03:55 PM
67	WG2112034-5 WG2112034	1	43	9/11/2025 4:07:20 PM
68	WG2112034-6d5 WG2112034	1	44	9/11/2025 4:10:44 PM

Sequence Trace 8

9/12/2025 8:26:04 AM



Index	Label	Rack	Vial	Started at
69	CCV	0	3	9/11/2025 4:14:10 PM
70	CCB	0	4	9/11/2025 4:17:36 PM
71	L2555524-04 WG2112034	1	53	9/11/2025 4:35:38 PM
72	L2555524-05 WG2112034	1	54	9/11/2025 4:39:17 PM
73	L2555605-01 WG2112034	1	55	9/11/2025 4:42:42 PM
74	L2555605-03 WG2112034	1	56	9/11/2025 4:46:08 PM
75	L2555605-04 WG2112034	1	57	9/11/2025 4:49:33 PM
76	L2555806-05 WG2112034	1	45	9/11/2025 4:52:59 PM
77	WG2112034-7 WG2112034	1	46	9/11/2025 4:56:25 PM
78	WG2112034-8 WG2112034	1	47	9/11/2025 4:59:51 PM
79	WG2112034-9 WG2112034	1	48	9/11/2025 5:03:17 PM
80	WG2112034-10d5 WG2112034	1	49	9/11/2025 5:06:43 PM
81	CCV	0	3	9/11/2025 5:10:08 PM
82	CCB	0	4	9/11/2025 5:13:33 PM
83	L2555605-05 WG2112034	1	58	9/11/2025 5:18:55 PM
84	L2555605-06 WG2112034	1	59	9/11/2025 5:22:25 PM
85	L2555605-07 WG2112034	1	60	9/11/2025 5:25:51 PM
86	L2555605-08 WG2112034	2	1	9/11/2025 5:29:19 PM
87	L2555806-01 WG2112034	2	2	9/11/2025 5:32:44 PM
88	L2555806-02 WG2112034	2	3	9/11/2025 5:36:10 PM
89	L2555806-03 WG2112034	2	4	9/11/2025 5:39:35 PM
90	L2555806-04 WG2112034	2	5	9/11/2025 5:43:01 PM
91	L2555806-06 WG2112034	2	6	9/11/2025 5:46:27 PM
92	L2555806-07 WG2112034	2	7	9/11/2025 5:49:53 PM
93	CCV	0	3	9/11/2025 5:53:18 PM
94	CCB	0	4	9/11/2025 5:56:44 PM
95	WG2111288-1 WG2111288	2	8	9/11/2025 6:06:34 PM
96	L2556592-08 WG2113019	2	16	9/11/2025 6:10:15 PM
97	L2555605-01 WG2111288	2	9	9/11/2025 6:13:41 PM
98	L2555605-03 WG2111288	2	10	9/11/2025 6:17:07 PM
99	L2555605-04 WG2111288	2	11	9/11/2025 6:20:33 PM
100	L2555605-05 WG2111288	2	12	9/11/2025 6:24:00 PM
101	L2555605-06 WG2111288	2	13	9/11/2025 6:27:28 PM
102	L2555605-07 WG2111288	2	14	9/11/2025 6:40:02 PM
103	L2555605-08 WG2111288	2	15	9/11/2025 6:43:42 PM
104	L2555756-01 WG2112651	2	17	9/11/2025 6:47:08 PM
105	CCV	0	3	9/11/2025 6:51:09 PM
106	CCB	0	4	9/11/2025 6:54:35 PM
107	WG2112651-1 WG2112651	2	18	9/11/2025 7:19:37 PM
108	CCV	0	3	9/11/2025 7:23:17 PM
109	CCB	0	4	9/11/2025 7:26:43 PM
110	L2556224-01d8 WG2112651	2	19	9/11/2025 8:17:19 PM
111	WG2112651-3d8 WG2112651	2	20	9/11/2025 8:21:00 PM
112	WG2112651-4d8 WG2112651	2	21	9/11/2025 8:24:26 PM
113	WG2112651-5d8 WG2112651	2	22	9/11/2025 8:27:52 PM
114	WG2112651-6d40 WG2112651	2	23	9/11/2025 8:31:19 PM
115	CCV	0	3	9/11/2025 8:34:46 PM
116	CCB	0	4	9/11/2025 8:38:12 PM
117	WG2113572-1 WG2113572	2	24	9/11/2025 9:15:38 PM
118	WG2113572-2d2 WG2113572	2	25	9/11/2025 9:19:21 PM
119	L2554000-02d2 WG2113572	2	31	9/11/2025 9:22:48 PM
120	L2554000-04d2 WG2113572	2	32	9/11/2025 9:26:14 PM
121	L2554002-01d2 WG2113572	2	33	9/11/2025 9:29:40 PM
122	L2556684-06d2 WG2113572	2	26	9/11/2025 9:33:06 PM
123	WG2113572-3d2 WG2113572	2	27	9/11/2025 9:36:33 PM
124	WG2113572-4d2 WG2113572	2	28	9/11/2025 9:39:59 PM
125	WG2113572-5d2 WG2113572	2	29	9/11/2025 9:43:25 PM
126	WG2113572-6d10 WG2113572	2	30	9/11/2025 9:46:52 PM
127	CCV	0	3	9/11/2025 9:50:18 PM
128	CCB	0	4	9/11/2025 9:53:44 PM
129	L2554002-03d2 WG2113572	2	34	9/11/2025 10:34:36 PM
130	L2554694-08d2 WG2113572	2	35	9/11/2025 10:38:19 PM
131	L2557068-34d2 WG2113572	2	36	9/11/2025 10:41:46 PM
132	CCV	0	3	9/11/2025 10:48:21 PM
133	CCB	0	4	9/11/2025 10:51:54 PM
134	WG2111592-1 WG2111592	2	37	9/11/2025 11:00:11 PM
135	WG2111592-2d2 WG2111592	2	38	9/11/2025 11:03:45 PM
136	L2554320-01d2 WG2111592	2	44	9/11/2025 11:07:12 PM
137	L2554320-02d2 WG2111592	2	45	9/11/2025 11:10:38 PM
138	eL2554320-03d2 WG2111592	2	46	9/11/2025 11:14:05 PM
139	L2555899-06d2 WG2111592	2	39	9/11/2025 11:17:32 PM
140	WG2111592-3d2 WG2111592	2	40	9/11/2025 11:20:58 PM
141	WG2111592-4d2 WG2111592	2	41	9/11/2025 11:24:25 PM
142	WG2111592-5d2 WG2111592	2	42	9/11/2025 11:27:52 PM

Sequence Trace 8

9/12/2025 8:26:04 AM



Index	Label	Rack	Vial	Started at
143	WG2111592-6d10 WG2111592	2	43	9/11/2025 11:31:18 PM
144	CCV	0	3	9/11/2025 11:34:45 PM
145	CCB	0	4	9/11/2025 11:38:12 PM
146	L2554320-04d2 WG2111592	2	47	9/11/2025 11:41:39 PM
147	eL2554320-05d2 WG2111592	2	48	9/11/2025 11:45:06 PM
148	L2554320-07d2 WG2111592	2	49	9/11/2025 11:48:34 PM
149	eL2554320-09d2 WG2111592	2	50	9/11/2025 11:52:01 PM
150	L2554320-10d2 WG2111592	2	51	9/11/2025 11:55:28 PM
151	eL2554320-11d2 WG2111592	2	52	9/11/2025 11:58:55 PM
152	L2555899-08d2 WG2111592	2	53	9/12/2025 12:02:22 AM
153	L2555899-09d2 WG2111592	2	54	9/12/2025 12:05:49 AM
154	L2555950-01d2 WG2111592	2	55	9/12/2025 12:09:17 AM
155	L2555950-02d2 WG2111592	2	56	9/12/2025 12:12:44 AM
156	CCV	0	3	9/12/2025 12:16:11 AM
157	CCB	0	4	9/12/2025 12:19:37 AM
158	L2555950-03d2 WG2111592	2	57	9/12/2025 12:23:04 AM
159	L2555950-04d2 WG2111592	2	58	9/12/2025 12:26:32 AM
160	L2555950-05d2 WG2111592	2	59	9/12/2025 12:30:00 AM
161	L2555950-06d2 WG2111592	2	60	9/12/2025 12:33:28 AM
162	L2555950-07d2 WG2111592	3	1	9/12/2025 12:36:56 AM
163	L2555950-08d2 WG2111592	3	2	9/12/2025 12:40:24 AM
164	CCV	0	3	9/12/2025 12:43:52 AM
165	CCB	0	4	9/12/2025 12:47:19 AM
166	CCV	0	3	9/12/2025 12:50:47 AM
167	CCB	0	4	9/12/2025 12:54:14 AM

Sequence Trace 4

9/11/2025 6:09:31 PM



LabBook: WG2113404_091125T4.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank JMF Trace4	0	1	9/11/2025 9:35:41 AM
2	ICAL	0	2	9/11/2025 9:42:02 AM
3	ICV	0	3	9/11/2025 9:47:59 AM
4	ICB	0	4	9/11/2025 9:54:00 AM
5	ICV	0	10	9/11/2025 10:03:49 AM
6	ICB	0	4	9/11/2025 10:09:54 AM
7	LLOQ	0	5	9/11/2025 10:16:16 AM
8	ICSA	0	6	9/11/2025 10:27:38 AM
9	SIC Multi	0	7	9/11/2025 10:35:50 AM
10	LDR Check	0	8	9/11/2025 10:43:13 AM
11	LDR 5 As pass	1	1	9/11/2025 10:59:07 AM
12	CCV	0	3	9/11/2025 11:21:51 AM
13	CCB	0	4	9/11/2025 11:27:52 AM
14	WG2112872-1 WG2112872	1	3	9/11/2025 11:48:03 AM
15	WG2112872-2D2 WG2112872	1	4	9/11/2025 11:54:23 AM
16	WG2111288-2 WG2111288	1	2	9/11/2025 12:00:25 PM
17	I2556712-01D2 WG2112872	1	5	9/11/2025 12:06:27 PM
18	WG2112872-3D2 WG2112872	1	6	9/11/2025 12:12:42 PM
19	WG2112872-4D2 WG2112872	1	7	9/11/2025 12:19:02 PM
20	WG2112872-5D2 WG2112872	1	8	9/11/2025 12:25:17 PM
21	WG2112872-6D10 WG2112872	1	9	9/11/2025 12:31:36 PM
22	CCV	0	3	9/11/2025 12:37:52 PM
23	CCB	0	4	9/11/2025 12:43:53 PM
24	SIC 20 Cu pass +Pb	1	10	9/11/2025 1:04:27 PM
25	SIC 500 Mg pass +Sr	1	11	9/11/2025 1:10:57 PM
26	WG2113121-1 WG2113121	1	12	9/11/2025 1:17:28 PM
27	WG2113121-2 WG2113121	1	13	9/11/2025 1:23:52 PM
28	WG2112651-2 WG2112651	1	17	9/11/2025 1:37:32 PM
29	L2554044-01 WG2113121	1	14	9/11/2025 1:43:33 PM
30	WG2113121-3 WG2113121	1	15	9/11/2025 1:49:53 PM
31	WG2113121-4 WG2113121	1	16	9/11/2025 1:55:53 PM
32	CCV	0	3	9/11/2025 2:02:13 PM
33	CCB	0	4	9/11/2025 2:08:15 PM
34	WG2113019-2 WG2113019	1	18	9/11/2025 2:20:45 PM
35	I2553860-09 WG2109670	1	19	9/11/2025 2:38:07 PM
36	I2553924-01D10 WG2109670	1	20	9/11/2025 2:44:27 PM
37	I2554320-06 WG2109670	1	21	9/11/2025 2:50:50 PM
38	I2554681-01 WG2109670	1	22	9/11/2025 2:57:12 PM
39	I2554681-02 WG2109670	1	23	9/11/2025 3:03:32 PM
40	I2554681-03 WG2109670	1	24	9/11/2025 3:09:53 PM
41	I2554681-04 WG2109670	1	25	9/11/2025 3:16:11 PM
42	I2554681-05 WG2109670	1	26	9/11/2025 3:22:27 PM
43	CCV	0	3	9/11/2025 3:32:51 PM
44	CCB	0	4	9/11/2025 3:38:52 PM
45	CCV	0	10	9/11/2025 4:31:31 PM
46	CCB	0	4	9/11/2025 4:37:39 PM
47	UNKNOWN	1	1	
48	UNKNOWN	1	1	
49	UNKNOWN	1	1	
50	UNKNOWN	1	1	
51	UNKNOWN	1	1	
52	UNKNOWN	1	1	
53	UNKNOWN	1	1	
54	UNKNOWN	1	1	
55	UNKNOWN	1	1	
56	CCV	0	3	
57	CCB	0	4	
58	UNKNOWN	1	1	
59	UNKNOWN	1	1	
60	UNKNOWN	1	1	
61	UNKNOWN	1	1	

Sequence Trace 11

9/12/2025 5:49:08 AM



LabBook: WG2113372_20250911_T11.imexp

Summary

Index	Label	Rack Number	Vial Numbers	Start Time
1	XBlank DHL Trace11	0	1	9/11/2025 8:45:28 AM
2	Blank DHL Trace11	0	1	9/11/2025 8:47:34 AM
3	ICAL	0	2	9/11/2025 8:49:39 AM
4	ICV	0	3	9/11/2025 8:51:44 AM
5	ICB	0	4	9/11/2025 8:53:48 AM
6	ICV	0	10	9/11/2025 8:59:31 AM
7	ICB	0	4	9/11/2025 9:01:38 AM
8	LLOQ	0	5	9/11/2025 9:03:42 AM
9	ICSA	0	6	9/11/2025 9:05:47 AM
10	SIC Multi	0	7	9/11/2025 9:20:43 AM
11	LDR Check	0	8	9/11/2025 9:22:59 AM
12	LLOQ .005	1	1	9/11/2025 9:37:23 AM
13	xLLOQ .01	1	2	9/11/2025 9:39:39 AM
14	LLOQ .05	1	3	9/11/2025 9:41:43 AM
15	LDR As 5	1	4	9/11/2025 9:43:48 AM
16	Wrong spot	1	6	9/11/2025 9:52:35 AM
17	xLLOQ .005 As only	1	5	9/11/2025 9:53:35 AM
18	xLLOQ	0	5	9/11/2025 9:56:36 AM
19	skipping	1	6	9/11/2025 9:58:42 AM
20	LLOQ .01 As only	1	7	9/11/2025 10:02:56 AM
21	CCV	0	3	9/11/2025 10:05:50 AM
22	CCB	0	4	9/11/2025 10:07:54 AM
23	WG2112933-1 WG2112933	1	8	9/11/2025 10:15:02 AM
24	WG2112933-2d2 WG2112933	1	9	9/11/2025 10:17:18 AM
25	L2553224-03dd2 WG2112933	1	15	9/11/2025 10:19:23 AM
26	L2556592-01d2 WG2112933	1	16	9/11/2025 10:21:28 AM
27	L2556592-02d2 WG2112933	1	17	9/11/2025 10:23:32 AM
28	L2555946-03d2 WG2112933	1	10	9/11/2025 10:25:37 AM
29	WG2112933-3d2 WG2112933	1	11	9/11/2025 10:27:42 AM
30	WG2112933-4d2 WG2112933	1	12	9/11/2025 10:29:46 AM
31	WG2112933-5d2 WG2112933	1	13	9/11/2025 10:31:51 AM
32	WG2112933-6d10 WG2112933	1	14	9/11/2025 10:33:56 AM
33	CCV	0	3	9/11/2025 10:36:01 AM
34	CCB	0	4	9/11/2025 10:38:05 AM
35	WG2113296-1 WG2113296	1	20	9/11/2025 10:49:34 AM
36	WG2113296-2d2 WG2113296	1	21	9/11/2025 10:51:50 AM
37	I2557068-07d2 WG2113296	1	27	9/11/2025 10:53:55 AM
38	LDR Ba 20	1	19	9/11/2025 10:55:59 AM
39	L2556592-03d2 WG2112933	1	18	9/11/2025 10:58:04 AM
40	I2557068-22d2 WG2113296	1	22	9/11/2025 11:00:09 AM
41	WG2113296-3d2 WG2113296	1	23	9/11/2025 11:02:15 AM
42	xWG2113296-4d2 WG2113296	1	24	9/11/2025 11:04:20 AM
43	WG2113296-5d2 WG2113296	1	25	9/11/2025 11:06:25 AM
44	WG2113296-6d10 WG2113296	1	26	9/11/2025 11:08:30 AM
45	CCV	0	3	9/11/2025 11:10:35 AM
46	CCB	0	4	9/11/2025 11:12:40 AM
47	LDR Fe 300	1	33	9/11/2025 11:22:23 AM
48	WG2113296-4d2 WG2113296	1	32	9/11/2025 11:24:39 AM
49	I2557068-10d2 WG2113296	1	28	9/11/2025 11:26:44 AM
50	I2557068-16d2 WG2113296	1	29	9/11/2025 11:28:49 AM
51	I2557068-23d2 WG2113296	1	30	9/11/2025 11:30:55 AM
52	LDR Fe 400	1	34	9/11/2025 11:52:56 AM
53	I2557068-54d2 WG2113296	1	31	9/11/2025 11:55:12 AM
54	CCV	0	3	9/11/2025 11:57:17 AM
55	CCB	0	4	9/11/2025 11:59:22 AM
56	L2554192-01d20 WG2111349	1	35	9/11/2025 1:02:47 PM
57	L2554192-06d8 WG2111349	1	36	9/11/2025 1:05:03 PM
58	L2554307-04d2 WG2111349	1	37	9/11/2025 1:07:08 PM
59	L2554307-05d2 WG2111349	1	38	9/11/2025 1:09:13 PM
60	L2554307-06d2 WG2111349	1	39	9/11/2025 1:11:18 PM
61	L2554307-07d2 WG2111349	1	40	9/11/2025 1:13:22 PM
62	L2554307-08d2 WG2111349	1	41	9/11/2025 1:15:28 PM
63	L2554307-09d2 WG2111349	1	42	9/11/2025 1:17:32 PM
64	L2554307-10d2 WG2111349	1	43	9/11/2025 1:19:37 PM
65	L2555532-02d2 WG2111349	1	44	9/11/2025 1:21:42 PM
66	CCV	0	3	9/11/2025 1:23:47 PM
67	CCB	0	4	9/11/2025 1:25:52 PM

Sequence Trace 11

9/12/2025 5:49:08 AM



Index	Label	Rack Number	Vial Numbers	Start Time
68	LDR Ca 700	1	46	9/11/2025 1:46:13 PM
69	L2555707-01d2 WG2111349	1	45	9/11/2025 1:48:24 PM
70	CCV	0	3	9/11/2025 1:58:38 PM
71	CCB	0	4	9/11/2025 2:00:53 PM
72	WG2110788-1 WG2110788	1	50	9/11/2025 2:13:12 PM
73	eWG2110788-2d2 WG2110788	1	51	9/11/2025 2:15:28 PM
74	I2553999-01d2 WG2108897	1	47	9/11/2025 2:17:33 PM
75	I2553999-02d2 WG2108897	1	48	9/11/2025 2:19:38 PM
76	I2553999-03d2 WG2108897	1	49	9/11/2025 2:21:43 PM
77	L2554000-03d2 WG2110788	1	52	9/11/2025 2:23:48 PM
78	WG2110788-3d2 WG2110788	1	53	9/11/2025 2:25:53 PM
79	WG2110788-4d2 WG2110788	1	54	9/11/2025 2:27:58 PM
80	WG2110788-5d2 WG2110788	1	55	9/11/2025 2:30:03 PM
81	WG2110788-6d10 WG2110788	1	56	9/11/2025 2:32:08 PM
82	CCV	0	3	9/11/2025 2:34:13 PM
83	CCB	0	4	9/11/2025 2:36:18 PM
84	L2553934-19d2 WG2110788	2	2	9/11/2025 2:38:24 PM
85	L2553984-01d2 WG2110788	2	3	9/11/2025 2:40:29 PM
86	L2553984-03d2 WG2110788	2	4	9/11/2025 2:42:34 PM
87	L2553988-09d2 WG2110788	2	5	9/11/2025 2:44:39 PM
88	L2553988-14d2 WG2110788	2	6	9/11/2025 2:46:45 PM
89	L2553994-03d2 WG2110788	1	57	9/11/2025 2:48:50 PM
90	WG2110788-7d2 WG2110788	1	58	9/11/2025 2:50:55 PM
91	WG2110788-8d2 WG2110788	1	59	9/11/2025 2:53:00 PM
92	WG2110788-9d2 WG2110788	1	60	9/11/2025 2:55:05 PM
93	WG2110788-10d10 WG2110788	2	1	9/11/2025 2:57:10 PM
94	CCV	0	3	9/11/2025 2:59:16 PM
95	CCB	0	4	9/11/2025 3:01:22 PM
96	L2553988-16d2 WG2110788	2	7	9/11/2025 3:09:49 PM
97	L2553988-20d2 WG2110788	2	8	9/11/2025 3:12:01 PM
98	L2553988-23d2 WG2110788	2	9	9/11/2025 3:14:06 PM
99	L2553994-01d2 WG2110788	2	10	9/11/2025 3:16:11 PM
100	L2553994-02d2 WG2110788	2	11	9/11/2025 3:18:16 PM
101	L2553994-05d2 WG2110788	2	12	9/11/2025 3:20:22 PM
102	L2553994-07d2 WG2110788	2	13	9/11/2025 3:31:43 PM
103	L2553994-09d2 WG2110788	2	14	9/11/2025 3:33:55 PM
104	L2554022-01d2 WG2110788	2	19	9/11/2025 3:36:01 PM
105	CCV	0	3	9/11/2025 3:38:06 PM
106	CCB	0	4	9/11/2025 3:40:12 PM
107	CCV	0	3	9/11/2025 4:03:17 PM
108	CCB	0	4	9/11/2025 4:05:33 PM
109	LLOQ 005 AS	2	20	9/11/2025 4:11:05 PM
110	I2553987-06 WG2108398	2	21	9/11/2025 4:23:56 PM
111	WG2108398-7 WG2108398	2	22	9/11/2025 4:26:13 PM
112	WG2108398-8 WG2108398	2	23	9/11/2025 4:28:18 PM
113	WG2108398-9 WG2108398	2	24	9/11/2025 4:30:24 PM
114	WG2108398-10d5 WG2108398	2	25	9/11/2025 4:32:30 PM
115	I2553978-01 WG2108398	2	26	9/11/2025 4:34:36 PM
116	I2553978-02 WG2108398	2	27	9/11/2025 4:36:41 PM
117	I2553978-03 WG2108398	2	28	9/11/2025 4:38:47 PM
118	I2553987-01 WG2108398	2	29	9/11/2025 4:40:52 PM
119	CCV	0	3	9/11/2025 4:42:58 PM
120	CCB	0	4	9/11/2025 4:45:04 PM
121	WG2112183-1 WG2112183	2	33	9/11/2025 4:48:56 PM
122	WG2112183-2 WG2112183	2	34	9/11/2025 4:51:02 PM
123	I2553987-02 WG2108398	2	30	9/11/2025 4:53:08 PM
124	I2553987-03 WG2108398	2	31	9/11/2025 4:55:13 PM
125	I2553987-04 WG2108398	2	32	9/11/2025 4:57:19 PM
126	L2555375-01 WG2112183	2	35	9/11/2025 4:59:25 PM
127	WG2112183-3 WG2112183	2	36	9/11/2025 5:01:30 PM
128	WG2112183-4 WG2112183	2	37	9/11/2025 5:03:35 PM
129	WG2112183-5 WG2112183	2	38	9/11/2025 5:05:40 PM
130	WG2112183-6d5 WG2112183	2	39	9/11/2025 5:07:46 PM
131	CCV	0	3	9/11/2025 5:09:51 PM
132	CCB	0	4	9/11/2025 5:11:56 PM
133	CCV	0	3	9/11/2025 5:29:11 PM
134	CCB	0	4	9/11/2025 5:51:17 PM
135	WG2110788-2d2 WG2110788	2	44	9/11/2025 5:55:20 PM
136	L2555135-01 WG2112183	2	40	9/11/2025 5:58:09 PM
137	L2555148-01 WG2112183	2	41	9/11/2025 6:00:15 PM
138	L2555433-01 WG2112183	2	42	9/11/2025 6:02:21 PM
139	L2555433-02 WG2112183	2	43	9/11/2025 6:04:27 PM
140	xL2554192-06d2 WG2111349	2	45	9/11/2025 6:12:32 PM

Sequence Trace 11

9/12/2025 5:49:08 AM



Index	Label	Rack Number	Vial Numbers	Start Time
141	CCV	0	3	9/11/2025 6:15:00 PM
142	CCB	0	4	9/11/2025 6:17:05 PM
143	WG2112034-2 WG2112034	2	46	9/11/2025 6:38:11 PM
144	CCV	0	3	9/11/2025 6:40:27 PM
145	CCB	0	4	9/11/2025 6:42:33 PM
146	WG2112482-1 WG2112482	2	47	9/11/2025 7:01:31 PM
147	WG2112482-2 WG2112482	2	48	9/11/2025 7:03:47 PM
148	L2556190-08 WG2112482	2	49	9/11/2025 7:05:53 PM
149	WG2112482-3 WG2112482	2	50	9/11/2025 7:08:00 PM
150	WG2112482-4 WG2112482	2	51	9/11/2025 7:10:06 PM
151	WG2112482-5 WG2112482	2	52	9/11/2025 7:12:12 PM
152	WG2112482-6d5 WG2112482	2	53	9/11/2025 7:15:48 PM
153	CCV	0	3	9/11/2025 7:17:58 PM
154	CCB	0	4	9/11/2025 7:20:04 PM
155	zWG2112183-1 WG2112183	3	17	9/11/2025 7:22:32 PM
156	CCV	0	3	9/11/2025 7:24:43 PM
157	CCB	0	4	9/11/2025 7:26:48 PM
158	L2556190-17 WG2112482	3	14	9/11/2025 7:28:54 PM
159	L2556190-18 WG2112482	3	15	9/11/2025 7:31:00 PM
160	L2556190-19 WG2112482	3	16	9/11/2025 7:33:06 PM
161	L2556190-04 WG2112482	2	54	9/11/2025 7:35:12 PM
162	WG2112482-7 WG2112482	2	55	9/11/2025 7:37:18 PM
163	WG2112482-8 WG2112482	2	56	9/11/2025 7:39:24 PM
164	WG2112482-9 WG2112482	2	57	9/11/2025 7:41:30 PM
165	WG2112482-10d5 WG2112482	2	58	9/11/2025 7:43:37 PM
166	L2556120-01 WG2112482	2	59	9/11/2025 7:45:43 PM
167	L2556190-01 WG2112482	2	60	9/11/2025 7:47:49 PM
168	CCV	0	3	9/11/2025 7:49:55 PM
169	CCB	0	4	9/11/2025 7:52:02 PM
170	L2556190-02 WG2112482	3	1	9/11/2025 7:54:42 PM
171	L2556190-03 WG2112482	3	2	9/11/2025 7:56:53 PM
172	L2556190-05 WG2112482	3	3	9/11/2025 7:59:00 PM
173	L2556190-06 WG2112482	3	4	9/11/2025 8:20:34 PM
174	L2556190-07 WG2112482	3	5	9/11/2025 8:22:46 PM
175	L2556190-09 WG2112482	3	6	9/11/2025 8:24:53 PM
176	L2556190-10 WG2112482	3	7	9/11/2025 8:26:59 PM
177	L2556190-11 WG2112482	3	8	9/11/2025 8:29:05 PM
178	L2556190-12 WG2112482	3	9	9/11/2025 8:31:11 PM
179	L2556190-13 WG2112482	3	10	9/11/2025 8:33:17 PM
180	CCV	0	3	9/11/2025 8:35:24 PM
181	CCB	0	4	9/11/2025 8:37:30 PM
182	L2556190-14 WG2112482	3	11	9/11/2025 8:51:12 PM
183	L2556190-15 WG2112482	3	12	9/11/2025 8:53:28 PM
184	L2556190-16 WG2112482	3	13	9/11/2025 8:55:35 PM
185	I2555909-01d2 WG2111959	3	18	9/11/2025 8:58:49 PM
186	I2555909-02d2 WG2111959	3	19	9/11/2025 9:00:56 PM
187	I2555909-03d2 WG2111959	3	20	9/11/2025 9:03:02 PM
188	I2555909-04d2 WG2111959	3	21	9/11/2025 9:05:08 PM
189	I2555909-05d2 WG2111959	3	22	9/11/2025 9:07:14 PM
190	I2555909-06d2 WG2111959	3	23	9/11/2025 9:09:20 PM
191	I2555909-07d2 WG2111959	3	24	9/11/2025 9:11:26 PM
192	CCV	0	3	9/11/2025 9:13:33 PM
193	CCB	0	4	9/11/2025 9:15:39 PM
194	I2555976-01d2 WG2111959	3	25	9/11/2025 9:20:48 PM
195	L2555679-01d2 WG2112634	3	26	9/11/2025 9:23:18 PM
196	L2555679-03d2 WG2112634	3	27	9/11/2025 9:25:24 PM
197	L2555680-01d2 WG2112634	3	28	9/11/2025 9:27:31 PM
198	L2555680-02d2 WG2112634	3	29	9/11/2025 9:29:37 PM
199	L2555680-03d2 WG2112634	3	30	9/11/2025 9:31:43 PM
200	L2555680-04d2 WG2112634	3	31	9/11/2025 9:33:49 PM
201	L2555680-05d2 WG2112634	3	32	9/11/2025 9:35:55 PM
202	L2556217-01d2 WG2112634	3	33	9/11/2025 9:38:01 PM
203	L2556217-02d2 WG2112634	3	34	9/11/2025 9:40:07 PM
204	CCV	0	3	9/11/2025 9:42:14 PM
205	CCB	0	4	9/11/2025 9:44:20 PM
206	L2556217-05d2 WG2112634	3	35	9/11/2025 9:50:26 PM
207	L2556217-06d2 WG2112634	3	36	9/11/2025 9:52:41 PM
208	L2556217-10d2 WG2112634	3	37	9/11/2025 9:54:47 PM
209	L2556217-11d2 WG2112634	3	38	9/11/2025 9:56:54 PM
210	L2556217-14d2 WG2112634	3	39	9/11/2025 9:59:00 PM
211	CCV	0	3	9/11/2025 10:01:52 PM
212	CCB	0	4	9/11/2025 10:03:59 PM
213	WG2111279-1 WG2111279	3	40	9/11/2025 10:14:22 PM

Sequence Trace 11

9/12/2025 5:49:08 AM



Index	Label	Rack Number	Vial Numbers	Start Time
214	WG2111279-2d2 WG2111279	3	41	9/11/2025 10:16:40 PM
215	WG2111279-3d2 WG2111279	3	42	9/11/2025 10:20:14 PM
216	L2555667-01d2 WG2111279	3	43	9/11/2025 10:22:21 PM
217	L2555667-03d2 WG2111279	3	44	9/11/2025 10:24:27 PM
218	L2555667-05d2 WG2111279	3	45	9/11/2025 10:26:33 PM
219	L2555667-07d2 WG2111279	3	46	9/11/2025 10:28:40 PM
220	L2555667-13d2 WG2111279	3	47	9/11/2025 10:30:47 PM
221	L2555667-17d2 WG2111279	3	48	9/11/2025 10:32:54 PM
222	L2555667-19d2 WG2111279	3	49	9/11/2025 10:35:00 PM
223	CCV	0	3	9/11/2025 10:37:07 PM
224	CCB	0	4	9/11/2025 10:39:13 PM
225	L2555667-21d2 WG2111279	3	50	9/11/2025 10:42:49 PM
226	L2555667-23d2 WG2111279	3	51	9/11/2025 10:45:00 PM
227	L2555667-25d2 WG2111279	3	52	9/11/2025 10:47:07 PM
228	L2555667-27d2 WG2111279	3	53	9/11/2025 10:49:14 PM
229	L2555667-31d2 WG2111279	3	54	9/11/2025 10:51:20 PM
230	L2555667-33d2 WG2111279	3	55	9/11/2025 10:53:27 PM
231	L2555667-35d2 WG2111279	3	56	9/11/2025 10:55:34 PM
232	L2555667-37d2 WG2111279	3	57	9/11/2025 10:57:41 PM
233	L2555667-39d2 WG2111279	3	58	9/11/2025 10:59:48 PM
234	L2555667-45d2 WG2111279	3	59	9/11/2025 11:01:55 PM
235	CCV	0	3	9/11/2025 11:04:01 PM
236	CCB	0	4	9/11/2025 11:06:08 PM
237	L2555667-47d2 WG2111279	3	60	9/11/2025 11:08:15 PM
238	L2555667-49d2 WG2111279	4	1	9/11/2025 11:10:21 PM
239	L2555667-51d2 WG2111279	4	2	9/11/2025 11:12:28 PM
240	L2555680-01d4 WG2112634	4	3	9/11/2025 11:14:35 PM
241	L2555680-02d4 WG2112634	4	4	9/11/2025 11:16:41 PM
242	L2555680-03d4 WG2112634	4	5	9/11/2025 11:18:48 PM
243	L2555680-04d4 WG2112634	4	6	9/11/2025 11:20:55 PM
244	L2555680-05d4 WG2112634	4	7	9/11/2025 11:23:01 PM
245	L2556217-06d4 WG2112634	4	8	9/11/2025 11:25:08 PM
246	CCV	0	3	9/11/2025 11:27:15 PM
247	CCB	0	4	9/11/2025 11:29:21 PM
248	CCV	0	3	9/11/2025 11:31:28 PM
249	CCB	0	4	9/11/2025 11:33:35 PM



METALS ELN REPORT

Workgroup: WG2111346

Digestion									
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Pipette Id
EPA 3005A	1:1 HNO3	thNO3253421:1 HCl 60157AJJ	thCL253504 METALS 0113AJJ		METSPIKE2 METALS	METSPIKE2 IPS, FPS, MIX	METSPIKE2 IPS, FPS, MIX		140, 326

Additional Reagent/Std

Sample/Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555208-01 SAMP	09/06/25 01:06	Abigail Jarvis	50	<2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	
L2555224-01 SAMP	09/06/25 01:06	Abigail Jarvis	5	>2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	10X dilution due to pH
L2555225-01 SAMP	09/06/25 01:06	Abigail Jarvis	5	>2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	10X dilution due to pH
L2555605-02 SAMP	09/06/25 01:06	Abigail Jarvis	50	>2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	
L2555625-01 SAMP	09/06/25 01:06	Abigail Jarvis	5	<2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	10X dilution due to pH
L2555632-01 SAMP	09/06/25 01:06	Abigail Jarvis	50	<2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	
L2555706-02 SAMP	09/06/25 01:06	Abigail Jarvis	50	<2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	
L2555758-03 SAMP	09/06/25 01:06	Abigail Jarvis	50	<2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	
L2555966-01 SAMP	09/06/25 01:06	Abigail Jarvis	50	<2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	
L2555975-01 SAMP	09/06/25 01:06	Abigail Jarvis	0.5	<2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	100X dilution due to client history



METALS ELN REPORT

Workgroup: WG2111346

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol	Comments
WG2111346 -1	09/06/25 01:06	Abigail Jarvis	50	<2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	ELN: CBP
BLANK											
WG2111346 -2	09/06/25 01:06	Abigail Jarvis	50	<2	0.5	09/06/25 01:06	7	95.6	09/06/25 04:06	50	ELN:GAN
LCS											
WG2111346 -3	09/06/25 01:06	Abigail Jarvis	50	<2	0.5	09/06/25 01:06	7	95.6	09/06/25 04:06	50	
MS											
WG2111346 -4	09/06/25 01:06	Abigail Jarvis	50	<2	0.5	09/06/25 01:06	7	95.6	09/06/25 04:06	50	FM2535040337 AJJ
MSD											
WG2111346 -5	09/06/25 01:06	Abigail Jarvis	50	<2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	IPS253318232 7ALC
PS											
WG2111346 -6	09/06/25 01:06	Abigail Jarvis	50	<2		09/06/25 01:06	7	95.6	09/06/25 04:06	50	
SERDIL											

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml



METALS ELN REPORT

Workgroup: WG2112034

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	40123AJJ	HNO325350 1:1 HCl	40123AJJ	METALS	METSPIKE2	MIX	METSPIKE2	MIX	140, 326

Additional Reagent/Std

Sample/Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L2555524-01 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555524-02 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555524-03 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555524-04 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555524-05 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555605-01 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555605-02 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555605-03 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555605-04 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555605-05 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	



METALS ELN REPORT

Workgroup: WG2112034

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L2555605-06 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555605-07 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555605-08 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555806-01 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555806-02 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555806-03 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555806-04 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555806-05 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555806-06 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
L2555806-07 SAMP	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
WG2112034-1 BLANK	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	FM2535040337 AJJ
WG2112034-2 LCS	09/08/25 16:18	Maisie Mcqueen	NA	50	<2	0.5	09/08/25 16:18	11	93.6	09/08/25 19:18	50	ELN:



METALS ELN REPORT

Workgroup: WG2112034

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol ml	Comments
WG2112034 -3 MS	09/08/25 16:18	Maisie Mcqueen	NA	50	<2	0.5	09/08/25 16:18	11	93.6	09/08/25 19:18	50	
WG2112034 -4 MSD	09/08/25 16:18	Maisie Mcqueen	NA	50	<2	0.5	09/08/25 16:18	11	93.6	09/08/25 19:18	50	
WG2112034 -5 PS	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
WG2112034 -6 SERDIL	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
WG2112034 -7 MS	09/08/25 16:18	Maisie Mcqueen	NA	50	<2	0.5	09/08/25 16:18	11	93.6	09/08/25 19:18	50	
WG2112034 -8 MSD	09/08/25 16:18	Maisie Mcqueen	NA	50	<2	0.5	09/08/25 16:18	11	93.6	09/08/25 19:18	50	
WG2112034 -9 PS	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	
WG2112034 -10 SERDIL	09/08/25 16:18	Maisie Mcqueen	NA	50	<2		09/08/25 16:18	11	93.6	09/08/25 19:18	50	IPS253318232 7ALC

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml



METALS ELN REPORT

Workgroup: WG2111288

Digestion										
Prep Method	Acid Type	1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	40123AJJ	40123AJJ	HCL253213 METALS	1040ARM	METSPIKE2 IPS, FPS, MIX	METSPIKE2 IPS, FPS, MIX	140, 326		

Additional Reagent/Std

Sample/Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555524-01 SAMP	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
L2555524-02 SAMP	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
L2555524-03 SAMP	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
L2555524-04 SAMP	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
L2555524-05 SAMP	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
L2555605-01 SAMP	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
L2555605-03 SAMP	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
L2555605-04 SAMP	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
L2555605-05 SAMP	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
L2555605-06 SAMP	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	



METALS ELN REPORT

Workgroup: WG2111288

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555605-07	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
SAMP											
L2555605-08	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
SAMP											
WG2111288-1	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	ELN: CBP
BLANK											
WG2111288-2	09/05/25 22:49	Ashley Croto	50	<2	0.5	09/05/25 22:49	10	95.0	09/06/25 01:49	50	IPS253318232 7ALC
LCS											
WG2111288-3	09/05/25 22:49	Ashley Croto	50	<2	0.5	09/05/25 22:49	10	95.0	09/06/25 01:49	50	
MS											
WG2111288-4	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
DUP											
WG2111288-5	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
PS											
WG2111288-6	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
SERDIL											
WG2111288-7	09/05/25 22:49	Ashley Croto	50	<2	0.5	09/05/25 22:49	10	95.0	09/06/25 01:49	50	
MS											
WG2111288-8	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
DUP											
WG2111288-9	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	
PS											
WG2111288-10	09/05/25 22:49	Ashley Croto	50	<2		09/05/25 22:49	10	95.0	09/06/25 01:49	50	FM2535040337 AJJ
SERDIL											



METALS ELN REPORT

Workgroup: WG2111288

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

Inorganic Data (Mercury Analysis)

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 08:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: CME
Lab File ID	: WG2111686.pdf	Instrument ID	: NIC2
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/06/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111347-1
Client ID : WG2111347-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2111686.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/08/25 08:48
Dilution Factor : 1
Analyst : CME
Instrument ID : NIC2
%Solids : N/A
Date Digested : 09/06/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 18:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2112141-1
 Client ID : WG2112141-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 3,245.1
 Lab File ID : WG2112438.pdf
 Sample Amount : 25ml
 Digestion Method : EPA 245.1

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/09/25 18:18
 Dilution Factor : 1
 Analyst : MJR
 Instrument ID : NIC1
 %Solids : N/A
 Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112141-4
Client ID : WG2112141-4 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2112438.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 06:30
Date Received : 09/04/25
Date Analyzed : 09/09/25 20:40
Dilution Factor : 5
Analyst : MJR
Instrument ID : NIC1
%Solids : N/A
Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.02123	0.00100	0.0005	



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112141-6
Client ID : MW-8SDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2112438.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 09:38
Date Received : 09/04/25
Date Analyzed : 09/09/25 18:48
Dilution Factor : 1
Analyst : MJR
Instrument ID : NIC1
%Solids : N/A
Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.0001	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 20:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 19:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 20:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 21:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 21:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 21:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 21:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 21:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	0.00012	0.00020	0.00009	J



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112038-1
Client ID : WG2112038-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2113650.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/11/25 19:30
Dilution Factor : 1
Analyst : RDB
Instrument ID : NIC1
%Solids : N/A
Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC2

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	Lab ID	Date Analyzed		Lab ID	Date Analyzed				
	R2007754-1	09/07/25 14:30		R2007754-3	09/07/25 15:10		R2007754-5	09/07/25 15:50	R2007754-7
	True	Found	%R	True	Found	%R	Found	%R	Found
Mercury	0.00300	0.0029	98	0.0050	0.00490	99	0.00490	97	0.00480

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC2

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2007754-9			R2007754-11		R2007754-13	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00490	98	0.00500	99	0.00500	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC2

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2007754-15 09/08/25 08:22			R2007754-17 09/08/25 09:18			
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00500	100	0.00500	101		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Lab Number : L2555605
Project Number : 2232.0006Y005
Units : mg/l

Acceptance Criteria:

ICV:	95-105% (Methods 200.7, 245.1)	90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123% (Method 1631)	76-113% (Method 245.7)

CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)	
	85-115%	(Method 200.8)	80-120% (Methods 7470, 7471)
	77-123%	(Method 1631)	76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2008441-9			R2008441-11		R2008441-13	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00460	92	0.00470	94	0.00490	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2008441-15 09/09/25 17:14			R2008441-17 09/09/25 17:51		R2008441-19 09/09/25 18:31	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00500	100	0.00510	101	0.00500	101

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2008441-21 09/09/25 19:11			R2008441-23 09/09/25 19:50		R2008441-25 09/09/25 20:00	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00500	101	0.00500	101	0.00500	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Lab ID :				R2008441-27					
Date Analyzed :				09/09/25 20:43					
Mercury				0.0050	0.00490	99			

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Lab Number : L2555605
Project Number : 2232.0006Y005
Units : mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID :		R2009684-1			R2009684-3			R2009684-5		R2009684-7	
Date Analyzed :		09/11/25 19:07			09/11/25 19:47			09/11/25 20:59		09/11/25 21:38	
Parameter		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Mercury		0.00300	0.0030	100	0.0050	0.00480	97	0.00490	99	0.00480	97

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC2

Lab Number : L2555605
 Project Number : 2232.0006Y005

	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
Lab ID :	R2007754-2		R2007754-4		R2007754-6		R2007754-8	
Date Analyzed :	09/07/25 14:33		09/07/25 15:13		09/07/25 15:53		09/07/25 16:33	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.0000910	U	0.0000910	U	0.0000910	U
	0.00009	U						



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC2

Lab Number : L2555605
 Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2007754-10		R2007754-12		R2007754-14	
Date Analyzed :			09/07/25 17:10		09/08/25 06:38		09/08/25 07:45	
Mercury			0.0000910 U		0.0000910 U		0.0000910 U	



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC2

Lab Number : L2555605
 Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2007754-16		R2007754-18			
Date Analyzed :			09/08/25 08:25		09/08/25 09:21			
Mercury			0.0000910 U		0.0000910 U			



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555605
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :	R2008441-2		R2008441-4				WG2112141-1	
Date Analyzed :	09/09/25 11:27		09/09/25 12:14				09/09/25 18:18	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.0000910	U	0.0000910	U	0.00009	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555605
 Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2008441-10		R2008441-12		R2008441-14	
Date Analyzed :			09/09/25 14:25		09/09/25 15:07		09/09/25 16:38	
Mercury			0.0000910 U		0.0000910 U		0.0000910 U	



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555605
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :			R2008441-16		R2008441-18		R2008441-20	
Date Analyzed :			09/09/25 17:18		09/09/25 17:54		09/09/25 18:35	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury			0.0000910	U	0.0000910	U	0.0000910	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555605
 Project Number : 2232.0006Y005

	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank
Lab ID :			R2008441-22	R2008441-24	R2008441-26		
Date Analyzed :			09/09/25 19:14	09/09/25 19:54	09/09/25 20:04		
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	Q
Mercury			0.0000910 U		0.0000910 U		



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555605
 Project Number : 2232.0006Y005

	Initial Calibration Blank		Continuing Calibration Blank(s)		Preparation Blank	
Lab ID :			R2008441-28			
Date Analyzed :			09/09/25 20:46			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q
Mercury			0.0000910	U		



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555605
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :	R2009684-2		R2009684-4				WG2112038-1	
Date Analyzed :	09/11/25 19:10		09/11/25 19:51				09/11/25 19:30	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.0000910	U	0.0000910	U	0.00009	U



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Client Sample ID : MW-8D
Lab Sample ID : L2555605-02
Matrix Spike : WG2111347-3
Matrix Spike Dup : WG2111347-4

Lab Number : L2555605
Project Number : 2232.0006Y005
Matrix : WATER
MS Analysis Date : 09/08/25 08:58
MSD Analysis Date : 09/08/25 09:01

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Total	ND	0.005	0.00491	98	0.005	0.00511	102	4	70-130	20

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555411-02
 Matrix Spike : WG2112141-3
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/09/25 20:36
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Mercury, Total	0.02111	0.005	0.02559	90					70-130	20

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8S
 Lab Sample ID : L2555605-01
 Matrix Spike : WG2112141-5
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/09/25 18:44
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Total	ND	0.005	0.00522	104					70-130	20

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Client Sample ID : MW-8D
Lab Sample ID : L2555605-02
Matrix Spike : WG2112038-3
Matrix Spike Dup : WG2112038-4

Lab Number : L2555605
Project Number : 2232.0006Y005
Matrix : WATER
MS Analysis Date : 09/11/25 19:40
MSD Analysis Date : 09/11/25 19:43

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Dissolved	ND	0.005	0.00482	96	0.005	0.00476	95	1	75-125	20

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Client Sample ID : NA
Lab Sample ID : L2555806-05
Matrix Spike : WG2112038-5
Matrix Spike Dup : WG2112038-6

Lab Number : L2555605
Project Number : 2232.0006Y005
Matrix : WATER
MS Analysis Date : 09/11/25 20:29
MSD Analysis Date : 09/11/25 20:32

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Dissolved	ND	0.005	0.00464	93	0.005	0.00481	96	4	75-125	20

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/09/25 20:33
Dup Sample ID	: WG2112141-4	DUP Analysis Date	: 09/09/25 20:40

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Total	0.02111	0.02123	1	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8S	Matrix	: WATER
Lab Sample ID	: L2555605-01	Analysis Date	: 09/09/25 18:41
Dup Sample ID	: WG2112141-6	DUP Analysis Date	: 09/09/25 18:48

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Total	ND	ND	NC	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111347-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/08/25 08:51
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Total	0.00100	0.000980	99.					85-115	20



Form 7
Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Client Sample ID : NA
Lab Sample ID : WG2112141-2
Dup Sample ID :

Lab Number : L2555605
Project Number : 2232.0006Y005
Matrix : WATER
LCS Analysis Date : 09/09/25 18:21
LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Total	0.00100	0.00103	104.					85-115	20

Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112038-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/11/25 19:33
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Dissolved	0.00100	0.00102	102.					85-115	20

Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555605-02	09/06/25 02:34	-	25
WG2111347-1	09/06/25 02:34	-	25
WG2111347-2	09/06/25 02:34	-	25
WG2111347-3	09/06/25 02:34	-	25
WG2111347-4	09/06/25 02:34	-	25

Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555605-01	09/08/25 20:37	-	25
L2555605-03	09/08/25 20:37	-	25
L2555605-04	09/08/25 20:37	-	25
L2555605-05	09/08/25 20:37	-	25
L2555605-06	09/08/25 20:37	-	25
L2555605-07	09/08/25 20:37	-	25
L2555605-08	09/08/25 20:37	-	25
WG2112141-1	09/08/25 20:37	-	25
WG2112141-2	09/08/25 20:37	-	25
WG2112141-3	09/08/25 20:37	-	25
WG2112141-4	09/08/25 20:37	-	25
WG2112141-5	09/08/25 20:37	-	25
WG2112141-6	09/08/25 20:37	-	25



Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555605
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555605-01	09/08/25 19:23	-	25
L2555605-02	09/08/25 19:23	-	25
L2555605-03	09/08/25 19:23	-	25
L2555605-04	09/08/25 19:23	-	25
L2555605-05	09/08/25 19:23	-	25
L2555605-06	09/08/25 19:23	-	25
L2555605-07	09/08/25 19:23	-	25
L2555605-08	09/08/25 19:23	-	25
WG2112038-1	09/08/25 19:23	-	25
WG2112038-2	09/08/25 19:23	-	25
WG2112038-3	09/08/25 19:23	-	25
WG2112038-4	09/08/25 19:23	-	25
WG2112038-5	09/08/25 19:23	-	25
WG2112038-6	09/08/25 19:23	-	25



Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : NIC2
Start Date : 09/07/25 14:30

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method : 3,245.1
End Date : 09/08/25 09:21

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : NIC1
Start Date : 09/09/25 11:24

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method : 3,245.1
End Date : 09/09/25 20:46

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : NIC1
Start Date : 09/09/25 11:24

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method : 3,245.1
End Date : 09/09/25 20:46

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : NIC1
Start Date : 09/11/25 19:07

Lab Number : L2555605
Project Number : 2232.0006Y005
Analysis Method : 3,245.1
End Date : 09/11/25 21:42

[illegible]

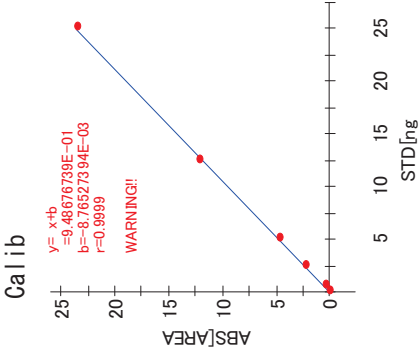
Title :
Date : 9/7/2025
Name :

Method

STD
HONH3C1 : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3C1 : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time (sec) : 120sec



STD

1	0.000	2.500	2.500	2.500	0.000	0.0047	0.0142	-	09/07/2025 14:08	CME, NIC2
2	0.200	2.500	2.500	2.500	0.500	0.4589	0.4930	1.4	09/07/2025 14:11	CME, NIC2
3	1.000	2.500	2.500	2.500	2.500	2.2937	2.4270	2.9	09/07/2025 14:14	CME, NIC2
4	2.000	2.500	2.500	2.500	5.000	4.6404	4.9007	2.0	09/07/2025 14:18	CME, NIC2
5	5.000	2.500	2.500	2.500	12.500	12.111	12.7757	2.2	09/07/2025 14:21	CME, NIC2
6	10.000	2.500	2.500	2.500	25.000	23.603	24.8895	0.4	09/07/2025 14:24	CME, NIC2

SMP

1	ICV	2.500	2.500	2.500	2.500	6.9822	7.3692	2.948	-	09/07/2025 14:30	CME, NIC2
2	ICB	2.500	2.500	2.500	2.500	0.0083	0.0180	0.007	-	09/07/2025 14:33	CME, NIC2
3	WG2111115-1 WG21111115	2.500	2.500	2.500	2.500	0.1558	0.1735	0.069	-	09/07/2025 14:37	CME, NIC2
4	XWG2111115-2 WG21111115	2.500	2.500	2.500	2.500	2.8490	3.0124	1.205	-	09/07/2025 14:40	CME, NIC2
5	L2555241-02 WG21111115	2.500	2.500	2.500	2.500	0.0552	0.0674	0.027	-	09/07/2025 14:43	CME, NIC2
6	WG21111115-3 WG21111115	2.500	2.500	2.500	2.500	9.2741	9.7851	3.914	-	09/07/2025 14:47	CME, NIC2

7	WG2111115-4 WG2111115	2.500	2.500	2.500	2.500	0.0272	0.0379	0.015	-	09/07/2025 14:50	CME,NIC2
8	L2555241-03 WG2111115	2.500	2.500	2.500	2.500	0.0116	0.0215	0.009	-	09/07/2025 14:53	CME,NIC2
9	L2555241-04 WG2111115	2.500	2.500	2.500	2.500	0.0034	0.0128	0.005	-	09/07/2025 14:57	CME,NIC2
10	L2555241-06 WG2111115	2.500	2.500	2.500	2.500	0.2678	0.2915	0.117	-	09/07/2025 15:00	CME,NIC2
11	L2555246-02 WG2111115	2.500	2.500	2.500	2.500	0.0044	0.0139	0.006	-	09/07/2025 15:03	CME,NIC2
12	L2555246-04 WG2111115	2.500	2.500	2.500	2.500	0.0059	0.0155	0.006	-	09/07/2025 15:07	CME,NIC2
13	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.690	12.3321	4.933	98.7	09/07/2025 15:10	CME,NIC2
14	Check Blank	2.500	2.500	2.500	2.500	0.0082	0.0179	0.007	-	09/07/2025 15:13	CME,NIC2
15	XWG211115-2 WG2111115	2.500	2.500	2.500	2.500	9.3845	9.9014	3.961	-	09/07/2025 15:17	CME,NIC2
16	WG2111290-1 WG2111290	2.500	2.500	2.500	2.500	0.0142	0.0242	0.010	-	09/07/2025 15:20	CME,NIC2
17	WG2111290-2 WG2111290	2.500	2.500	2.500	2.500	0.0148	0.0248	0.010	-	09/07/2025 15:23	CME,NIC2
18	L2555605-01 WG2111290	2.500	2.500	2.500	2.500	0.0151	0.0252	0.010	-	09/07/2025 15:27	CME,NIC2
19	WG2111290-3 WG2111290	2.500	2.500	2.500	2.500	0.0172	0.0274	0.011	-	09/07/2025 15:30	CME,NIC2
20	WG2111290-4 WG2111290	2.500	2.500	2.500	2.500	0.0290	0.0398	0.016	-	09/07/2025 15:33	CME,NIC2
21	L2555605-03 WG2111290	2.500	2.500	2.500	2.500	0.0149	0.0249	0.010	-	09/07/2025 15:36	CME,NIC2
22	WG2111290-5 WG2111290	2.500	2.500	2.500	2.500	0.0065	0.0161	0.006	-	09/07/2025 15:40	CME,NIC2
23	WG2111290-6 WG2111290	2.500	2.500	2.500	2.500	0.0058	0.0154	0.006	-	09/07/2025 15:43	CME,NIC2
24	L2555524-01 WG2111290	2.500	2.500	2.500	2.500	0.0055	0.0150	0.006	-	09/07/2025 15:46	CME,NIC2
25	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.541	12.1756	4.870	97.4	09/07/2025 15:50	CME,NIC2
26	Check Blank	2.500	2.500	2.500	2.500	0.0072	0.0168	0.007	-	09/07/2025 15:53	CME,NIC2
27	L2555524-02 WG2111290	2.500	2.500	2.500	2.500	0.0085	0.0182	0.007	-	09/07/2025 15:56	CME,NIC2
28	L2555524-03 WG2111290	2.500	2.500	2.500	2.500	0.0095	0.0193	0.008	-	09/07/2025 16:00	CME,NIC2
29	L2555524-04 WG2111290	2.500	2.500	2.500	2.500	0.0180	0.0282	0.011	-	09/07/2025 16:03	CME,NIC2
30	L2555524-05 WG2111290	2.500	2.500	2.500	2.500	0.0038	0.0132	0.005	-	09/07/2025 16:06	CME,NIC2
31	L2555605-04 WG2111290	2.500	2.500	2.500	2.500	0.0041	0.0136	0.005	-	09/07/2025 16:09	CME,NIC2
32	L2555605-05 WG2111290	2.500	2.500	2.500	2.500	0.0043	0.0138	0.006	-	09/07/2025 16:13	CME,NIC2
33	L2555605-06 WG2111290	2.500	2.500	2.500	2.500	0.0071	0.0167	0.007	-	09/07/2025 16:16	CME,NIC2
34	L2555605-07 WG2111290	2.500	2.500	2.500	2.500	0.0058	0.0154	0.006	-	09/07/2025 16:19	CME,NIC2
35	L2555605-08 WG2111290	2.500	2.500	2.500	2.500	0.0060	0.0156	0.006	-	09/07/2025 16:23	CME,NIC2
36	WG2111115-2 WG2111115	2.500	2.500	2.500	2.500	2.4321	2.5729	1.029	-	09/07/2025 16:26	CME,NIC2
37	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.414	12.0416	4.817	96.3	09/07/2025 16:30	CME,NIC2
38	Check Blank	2.500	2.500	2.500	2.500	0.0075	0.0171	0.007	-	09/07/2025 16:33	CME,NIC2

39	WG2111536-1 WG2111536	2.500	2.500	2.500	2.500	0.0215	0.0319	0.013	-	09/07/2025 16:41	CME,NIC2
40	WG2111536-2 WG2111536	2.500	2.500	2.500	2.500	2.3321	2.4675	0.987	-	09/07/2025 16:44	CME,NIC2
41	L2555209-01 WG2111536	2.500	2.500	2.500	2.500	0.0304	0.0413	0.017	-	09/07/2025 16:47	CME,NIC2
42	WG2111536-3 WG2111536	2.500	2.500	2.500	2.500	12.0761	12.7391	5.096	-	09/07/2025 16:50	CME,NIC2
43	WG2111536-4 WG2111536	2.500	2.500	2.500	2.500	0.0229	0.0334	0.013	-	09/07/2025 16:54	CME,NIC2
44	L2555011-01 WG2111536	2.500	2.500	2.500	2.500	0.0272	0.0379	0.015	-	09/07/2025 16:57	CME,NIC2
45	L2555209-02 WG2111536	2.500	2.500	2.500	2.500	0.0801	0.0937	0.037	-	09/07/2025 17:00	CME,NIC2
46	L2555209-03 WG2111536	2.500	2.500	2.500	2.500	0.4418	0.4749	0.190	-	09/07/2025 17:04	CME,NIC2
47	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.579	12.2153	4.886	97.7	09/07/2025 17:07	CME,NIC2
48	Check Blank	2.500	2.500	2.500	2.500	0.0068	0.0164	0.007	-	09/07/2025 17:10	CME,NIC2
49	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.768	12.4146	4.966	99.3	09/08/2025 06:34	JWN,NIC2
50	Check Blank	2.500	2.500	2.500	2.500	0.0101	0.0199	0.008	-	09/08/2025 06:38	JWN,NIC2
51	WG2111687-1 WG2111687	2.500	2.500	2.500	2.500	0.4220	0.4541	0.182	-	09/08/2025 07:16	JWN,NIC2
52	WG2111687-2 WG2111687	2.500	2.500	2.500	2.500	2.5937	2.7433	1.097	-	09/08/2025 07:19	JWN,NIC2
53	L2555337-06 WG2111687	2.500	2.500	2.500	2.500	0.4901	0.5259	0.210	-	09/08/2025 07:22	JWN,NIC2
54	WG2111687-3 WG2111687	2.500	2.500	2.500	2.500	12.119	12.7841	5.114	-	09/08/2025 07:26	JWN,NIC2
55	WG2111687-4 WG2111687	2.500	2.500	2.500	2.500	0.4922	0.5281	0.211	-	09/08/2025 07:29	JWN,NIC2
56	L2555337-04 WG2111687	2.500	2.500	2.500	2.500	0.4114	0.4429	0.177	-	09/08/2025 07:32	JWN,NIC2
57	L2555337-08 WG2111687	2.500	2.500	2.500	2.500	0.4597	0.4938	0.198	-	09/08/2025 07:36	JWN,NIC2
58	L2555580-06 WG2111687	2.500	2.500	2.500	2.500	0.4871	0.5227	0.209	-	09/08/2025 07:39	JWN,NIC2
59	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.808	12.4564	4.983	99.7	09/08/2025 07:42	JWN,NIC2
60	Check Blank	2.500	2.500	2.500	2.500	0.0087	0.0184	0.007	-	09/08/2025 07:45	JWN,NIC2
61	L2555580-07 WG2111687	2.500	2.500	2.500	2.500	0.4708	0.5055	0.202	-	09/08/2025 07:49	JWN,NIC2
62	WG2111534-1 WG2111534	2.500	2.500	2.500	2.500	0.0008	0.0101	0.004	-	09/08/2025 07:52	JWN,NIC2
63	WG2111534-2 WG2111534	2.500	2.500	2.500	2.500	2.3640	2.5011	1.000	-	09/08/2025 07:55	JWN,NIC2
64	L2553409-02 WG2111534	2.500	2.500	2.500	2.500	0.0037	0.0131	0.005	-	09/08/2025 07:59	JWN,NIC2
65	WG2111534-3 WG2111534	2.500	2.500	2.500	2.500	11.823	12.4723	4.989	-	09/08/2025 08:02	JWN,NIC2
66	WG2111534-4 WG2111534	2.500	2.500	2.500	2.500	0.0051	0.0146	0.006	-	09/08/2025 08:05	JWN,NIC2
67	L2553670-01 WG2111534	2.500	2.500	2.500	2.500	0.0034	0.0128	0.005	-	09/08/2025 08:09	JWN,NIC2
68	L2553670-02 WG2111534	2.500	2.500	2.500	2.500	0.0109	0.0207	0.008	-	09/08/2025 08:12	JWN,NIC2
69	L2553670-03 WG2111534	2.500	2.500	2.500	2.500	0.0086	0.0183	0.007	-	09/08/2025 08:15	JWN,NIC2
70	L2553670-04 WG2111534	2.500	2.500	2.500	2.500	0.0039	0.0134	0.005	-	09/08/2025 08:18	JWN,NIC2

71	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.872	12.5235	5.009	100.2	09/08/2025 08:22	JWN,NIC2
72	Check Blank	2.500	2.500	2.500	2.500	0.0077	0.0174	0.007	-	09/08/2025 08:25	JWN,NIC2
73	L2553714-01 WG2111534	2.500	2.500	2.500	2.500	0.0028	0.0122	0.005	-	09/08/2025 08:28	JWN,NIC2
74	WG2111347-1 WG2111347	2.500	2.500	2.500	2.500	-0.002	0.0062	0.002	-	09/08/2025 08:48	JWN,NIC2
75	WG2111347-2 WG2111347	2.500	2.500	2.500	2.500	2.3338	2.4693	0.988	-	09/08/2025 08:51	JWN,NIC2
76	L2555605-02 WG2111347	2.500	2.500	2.500	2.500	0.0459	0.0576	0.023	-	09/08/2025 08:55	JWN,NIC2
77	WG2111347-3 WG2111347	2.500	2.500	2.500	2.500	11.643	12.2821	4.913	-	09/08/2025 08:58	JWN,NIC2
78	WG2111347-4 WG2111347	2.500	2.500	2.500	2.500	12.110	12.7748	5.110	-	09/08/2025 09:01	JWN,NIC2
79	L2555056-01 WG2111347	2.500	2.500	2.500	2.500	1.4896	1.5794	0.632	-	09/08/2025 09:05	JWN,NIC2
80	L2555464-01 WG2111347	2.500	2.500	2.500	2.500	0.0297	0.0405	0.016	-	09/08/2025 09:08	JWN,NIC2
81	L2555569-01 WG2111347	2.500	2.500	2.500	2.500	0.0308	0.0417	0.017	-	09/08/2025 09:11	JWN,NIC2
82	L2555630-01 WG2111347	2.500	2.500	2.500	2.500	0.0343	0.0454	0.018	-	09/08/2025 09:15	JWN,NIC2
83	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.921	12.5754	5.030	100.6	09/08/2025 09:18	JWN,NIC2
84	Check Blank	2.500	2.500	2.500	2.500	0.0095	0.0193	0.008	-	09/08/2025 09:21	JWN,NIC2
85	L2555706-02 WG2111347	2.500	2.500	2.500	2.500	0.2037	0.2240	0.090	-	09/08/2025 09:25	JWN,NIC2
86	L2555980-01 WG2111347	2.500	2.500	2.500	2.500	0.0418	0.0533	0.021	-	09/08/2025 09:28	JWN,NIC2
87	L2555980-02 WG2111347	2.500	2.500	2.500	2.500	0.0052	0.0147	0.006	-	09/08/2025 09:31	JWN,NIC2
88	L2555983-01 WG2111347	2.500	2.500	2.500	2.500	0.0056	0.0151	0.006	-	09/08/2025 09:35	JWN,NIC2
89	L2555983-02 WG2111347	2.500	2.500	2.500	2.500	0.0059	0.0155	0.006	-	09/08/2025 09:38	JWN,NIC2
90	WG2110780-1 WG2110780	2.500	2.500	2.500	2.500	0.0149	0.0249	0.010	-	09/08/2025 10:10	JWN,NIC2
91	WG2110780-2 WG2110780	2.500	2.500	2.500	2.500	2.1969	2.3250	0.930	-	09/08/2025 10:13	JWN,NIC2
92	L2555251-16 WG2110780	2.500	2.500	2.500	2.500	0.0491	0.0610	0.024	-	09/08/2025 10:16	JWN,NIC2
93	WG2110780-3 WG2110780	2.500	2.500	2.500	2.500	11.634	12.2728	4.909	-	09/08/2025 10:20	JWN,NIC2
94	WG2110780-4 WG2110780	2.500	2.500	2.500	2.500	0.0271	0.0378	0.015	-	09/08/2025 10:23	JWN,NIC2
95	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.961	12.6175	5.047	100.9	09/08/2025 10:26	JWN,NIC2
96	Check Blank	2.500	2.500	2.500	2.500	0.0090	0.0187	0.007	-	09/08/2025 10:29	JWN,NIC2
97	L2553990-01 WG2110780	2.500	2.500	2.500	2.500	0.0270	0.0377	0.015	-	09/08/2025 10:33	JWN,NIC2
98	L2553990-02 WG2110780	2.500	2.500	2.500	2.500	0.0244	0.0350	0.014	-	09/08/2025 10:36	JWN,NIC2
99	L2553990-03 WG2110780	2.500	2.500	2.500	2.500	0.0358	0.0470	0.019	-	09/08/2025 10:39	JWN,NIC2
100	L2554489-01 WG2110780	2.500	2.500	2.500	2.500	0.2713	0.2952	0.118	-	09/08/2025 10:43	JWN,NIC2
101	L2554489-02 WG2110780	2.500	2.500	2.500	2.500	0.1463	0.1635	0.065	-	09/08/2025 10:46	JWN,NIC2
102	L2555251-17 WG2110780	2.500	2.500	2.500	2.500	0.0243	0.0349	0.014	-	09/08/2025 10:49	JWN,NIC2

103	WG2111691-1 WG2111691	2.500	2.500	2.500	2.500	0.4471	0.4805	0.192	-	09/08/2025 10:57	JWN,NIC2
104	WG2111691-2 WG2111691	2.500	2.500	2.500	2.500	2.7011	2.8565	1.143	-	09/08/2025 11:01	JWN,NIC2
105	WG2111691-3 WG2111691	2.500	2.500	2.500	2.500	2.7536	2.9118	1.165	-	09/08/2025 11:04	JWN,NIC2
106	XL2555898-02 WG2111691	2.500	2.500	2.500	2.500	1.3077	1.3877	0.555	-	09/08/2025 11:07	JWN,NIC2
107	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.921	12.5752	5.030	100.6	09/08/2025 11:10	JWN,NIC2
108	Check Blank	2.500	2.500	2.500	2.500	0.0093	0.0190	0.008	-	09/08/2025 11:14	JWN,NIC2
109	L2555898-03 WG2111691	2.500	2.500	2.500	2.500	0.4418	0.4749	0.190	-	09/08/2025 11:17	JWN,NIC2
110	L2555898-04 WG2111691	2.500	2.500	2.500	2.500	0.3550	0.3834	0.153	-	09/08/2025 11:20	JWN,NIC2
111	XL2555902-02 WG2111691	2.500	2.500	2.500	2.500	0.7162	0.7642	0.306	-	09/08/2025 11:24	JWN,NIC2
112	L2555927-01 WG2111691	2.500	2.500	2.500	2.500	0.3866	0.4168	0.167	-	09/08/2025 11:27	JWN,NIC2
113	XL2555927-02 WG2111691	2.500	2.500	2.500	2.500	0.4875	0.5231	0.209	-	09/08/2025 11:30	JWN,NIC2
114	L2555927-03 WG2111691	2.500	2.500	2.500	2.500	0.4587	0.4928	0.197	-	09/08/2025 11:34	JWN,NIC2
115	L2555927-04 WG2111691	2.500	2.500	2.500	2.500	0.4373	0.4702	0.188	-	09/08/2025 11:37	JWN,NIC2
116	xWG2111691-3 WG2111691	2.500	2.500	2.500	2.500	2.9519	3.1208	1.248	-	09/08/2025 12:24	JWN,NIC2
117	L2554946-02 WG2110749	2.500	2.500	2.500	2.500	0.0150	0.0251	0.010	-	09/08/2025 12:44	JWN,NIC2
118	L2554946-03 WG2110749	2.500	2.500	2.500	2.500	0.0125	0.0224	0.009	-	09/08/2025 12:48	JWN,NIC2
119	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.864	12.5159	5.006	100.1	09/08/2025 12:51	JWN,NIC2
120	Check Blank	2.500	2.500	2.500	2.500	0.0096	0.0194	0.008	-	09/08/2025 12:54	JWN,NIC2
121	L2554947-01 WG2110749	2.500	2.500	2.500	2.500	0.0530	0.0651	0.026	-	09/08/2025 12:58	JWN,NIC2
122	L2554947-02 WG2110749	2.500	2.500	2.500	2.500	0.0167	0.0268	0.011	-	09/08/2025 13:01	JWN,NIC2
123	L2554947-03 WG2110749	2.500	2.500	2.500	2.500	0.0131	0.0230	0.009	-	09/08/2025 13:04	JWN,NIC2
124	L2555000-01 WG2110749	2.500	2.500	2.500	2.500	0.0213	0.0317	0.013	-	09/08/2025 13:07	JWN,NIC2
125	L2555211-05 WG2110749	2.500	2.500	2.500	2.500	0.0132	0.0232	0.009	-	09/08/2025 13:11	JWN,NIC2
126	L2555333-01 WG2110749	2.500	2.500	2.500	2.500	0.0180	0.0282	0.011	-	09/08/2025 13:14	JWN,NIC2
127	L2555333-02 WG2110749	2.500	2.500	2.500	2.500	0.0187	0.0290	0.012	-	09/08/2025 13:17	JWN,NIC2
128	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.678	12.3192	4.928	98.6	09/08/2025 13:39	JWN,NIC2
129	Check Blank	2.500	2.500	2.500	2.500	0.0093	0.0190	0.008	-	09/08/2025 13:43	JWN,NIC2

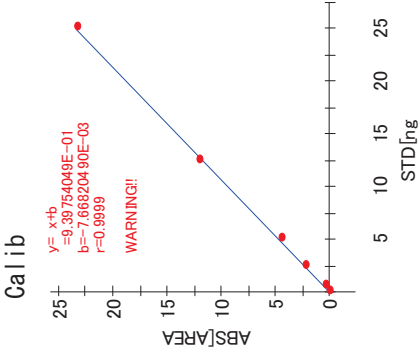
Title :
Date : 9/9/2025
Name :

Method

STD
HONH3C1 : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3C1 : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time (sec) : 120sec



STD

1	0.000	2.500	2.500	2.500	0.000	0.0110	0.0199	-	09/09/2025 11:04	MJR,NIC1
2	0.200	2.500	2.500	2.500	0.500	0.4629	0.5007	0.1	09/09/2025 11:07	MJR,NIC1
3	1.000	2.500	2.500	2.500	2.500	2.2810	2.4354	2.6	09/09/2025 11:10	MJR,NIC1
4	2.000	2.500	2.500	2.500	5.000	4.5737	4.8751	2.5	09/09/2025 11:14	MJR,NIC1
5	5.000	2.500	2.500	2.500	12.500	11.9977	12.7750	2.2	09/09/2025 11:17	MJR,NIC1
6	10.000	2.500	2.500	2.500	25.000	23.3865	24.8939	0.4	09/09/2025 11:20	MJR,NIC1

SMP

1	ICV					2.500	2.500	2.500	2.500	6.9378	7.3907	2.956	-	09/09/2025 11:24	MJR,NIC1
2	ICB					2.500	2.500	2.500	2.500	0.0156	0.0248	0.010	-	09/09/2025 11:27	MJR,NIC1
3	WG2111941-1	WG2111941				2.500	2.500	2.500	2.500	0.1633	0.1819	0.073	-	09/09/2025 11:34	MJR,NIC1
4	WG2111941-2	WG2111941				2.500	2.500	2.500	2.500	2.5613	2.7337	1.093	-	09/09/2025 11:37	MJR,NIC1
5	I2555905-01	WG2111941				2.500	2.500	2.500	2.500	0.3643	0.3958	0.158	-	09/09/2025 11:40	MJR,NIC1
6	WG2111941-3	WG2111941				2.500	2.500	2.500	2.500	12.3736	13.1750	5.270	-	09/09/2025 11:44	MJR,NIC1

7	WG2111941-4 WG21111941	2.500	2.500	2.500	2.500	0.3189	0.3475	0.139	-	09/09/2025 11:47	MJR,NIC1
8	WG2111952-1 WG21111952	2.500	2.500	2.500	2.500	0.1679	0.1868	0.075	-	09/09/2025 11:54	MJR,NIC1
9	WG2111952-2 WG21111952	2.500	2.500	2.500	2.500	2.4979	2.6662	1.066	-	09/09/2025 11:57	MJR,NIC1
10	L2553957-02 WG21111952	2.500	2.500	2.500	2.500	0.2466	0.2706	0.108	-	09/09/2025 12:01	MJR,NIC1
11	WG2111952-3 WG21111952	2.500	2.500	2.500	2.500	12.3413	13.1406	5.256	-	09/09/2025 12:04	MJR,NIC1
12	WG2111952-4 WG21111952	2.500	2.500	2.500	2.500	0.2468	0.2708	0.108	-	09/09/2025 12:07	MJR,NIC1
13	Check STD(5ug/L)	2.500	2.500	2.500	2.500	12.2259	13.0178	5.207	104.1	09/09/2025 12:11	MJR,NIC1
14	Check Blank	2.500	2.500	2.500	2.500	0.0185	0.0278	0.011	-	09/09/2025 12:14	MJR,NIC1
15	L2555104-01 WG21111952	2.500	2.500	2.500	2.500	0.2090	0.2306	0.092	-	09/09/2025 12:17	MJR,NIC1
16	XSAMPLE_SWAP	2.500	2.500	2.500	2.500	0.8699	0.9338	0.374	-	09/09/2025 12:20	MJR,NIC1
17	L2555246-03 WG21111952	2.500	2.500	2.500	2.500	0.1565	0.1747	0.070	-	09/09/2025 12:24	MJR,NIC1
18	L2555246-05 WG21111952	2.500	2.500	2.500	2.500	0.1384	0.1554	0.062	-	09/09/2025 12:27	MJR,NIC1
19	L2555246-06 WG21111952	2.500	2.500	2.500	2.500	0.1129	0.1283	0.051	-	09/09/2025 12:30	MJR,NIC1
20	L2555246-07 WG21111952	2.500	2.500	2.500	2.500	0.1104	0.1256	0.050	-	09/09/2025 12:34	MJR,NIC1
21	L2555246-08 WG21111952	2.500	2.500	2.500	2.500	0.1313	0.1479	0.059	-	09/09/2025 12:37	MJR,NIC1
22	xHG2536090850AJTV1	2.500	2.500	2.500	2.500	2.3380	2.4960	0.998	-	09/09/2025 12:40	MJR,NIC1
23	xHG2536090850AJTV2	2.500	2.500	2.500	2.500	2.2960	2.4514	0.981	-	09/09/2025 12:44	MJR,NIC1
24	WG2112028-1 WG2112028	2.500	2.500	2.500	2.500	0.0447	0.0557	0.022	-	09/09/2025 12:47	MJR,NIC1
25	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8611	12.6297	5.052	101.0	09/09/2025 12:50	MJR,NIC1
26	Check Blank	2.500	2.500	2.500	2.500	0.0210	0.0305	0.012	-	09/09/2025 12:54	MJR,NIC1
27	WG2112028-2 WG2112028	2.500	2.500	2.500	2.500	2.4538	2.6193	1.048	-	09/09/2025 12:57	MJR,NIC1
28	WG2112028-3 WG2112028	2.500	2.500	2.500	2.500	2.4536	2.6191	1.048	-	09/09/2025 13:00	MJR,NIC1
29	L2555898-02 WG2112028	2.500	2.500	2.500	2.500	0.3370	0.3668	0.147	-	09/09/2025 13:03	MJR,NIC1
30	L2555902-02 WG2112028	2.500	2.500	2.500	2.500	0.3364	0.3661	0.146	-	09/09/2025 13:07	MJR,NIC1
31	L2555927-02 WG2112028	2.500	2.500	2.500	2.500	0.1179	0.1336	0.053	-	09/09/2025 13:10	MJR,NIC1
32	WG2111833-1 WG2111833	2.500	2.500	2.500	2.500	0.0817	0.0951	0.038	-	09/09/2025 13:20	MJR,NIC1
33	WG2111833-2 WG2111833	2.500	2.500	2.500	2.500	2.5972	2.7719	1.109	-	09/09/2025 13:23	MJR,NIC1
34	L2553957-04 WG2111833	2.500	2.500	2.500	2.500	0.3560	0.3870	0.155	-	09/09/2025 13:27	MJR,NIC1
35	WG2111833-3 WG2111833	2.500	2.500	2.500	2.500	11.9041	12.6754	5.070	-	09/09/2025 13:30	MJR,NIC1
36	WG2111833-4 WG2111833	2.500	2.500	2.500	2.500	0.2317	0.2547	0.102	-	09/09/2025 13:33	MJR,NIC1
37	Check STD(5ug/L)	2.500	2.500	2.500	2.500	12.1470	12.9339	5.174	103.5	09/09/2025 13:37	MJR,NIC1
38	Check Blank	2.500	2.500	2.500	2.500	0.0231	0.0327	0.013	-	09/09/2025 13:40	MJR,NIC1

39	L2553957-06	WG2111833	2.500	2.500	2.500	2.500	0.2471	0.2711	0.108	-	09/09/2025 13:48	MJR,NIC1
40	L2553957-08	WG2111833	2.500	2.500	2.500	2.500	0.2190	0.2412	0.096	-	09/09/2025 13:52	MJR,NIC1
41	L2555241-01	WG2111833	2.500	2.500	2.500	2.500	0.2124	0.2342	0.094	-	09/09/2025 13:55	MJR,NIC1
42	L2555241-05	WG2111833	2.500	2.500	2.500	2.500	0.2194	0.2416	0.097	-	09/09/2025 13:58	MJR,NIC1
43	L2555241-07	WG2111833	2.500	2.500	2.500	2.500	0.2146	0.2365	0.095	-	09/09/2025 14:02	MJR,NIC1
44	L2555241-08	WG2111833	2.500	2.500	2.500	2.500	0.2022	0.2233	0.089	-	09/09/2025 14:05	MJR,NIC1
45	L2555245-02	WG2111833	2.500	2.500	2.500	2.500	0.2262	0.2489	0.100	-	09/09/2025 14:08	MJR,NIC1
46	L2555245-03	WG2111833	2.500	2.500	2.500	2.500	0.2188	0.2410	0.096	-	09/09/2025 14:12	MJR,NIC1
47	L2555245-04	WG2111833	2.500	2.500	2.500	2.500	0.2025	0.2236	0.089	-	09/09/2025 14:15	MJR,NIC1
48	L2555245-05	WG2111833	2.500	2.500	2.500	2.500	0.2014	0.2225	0.089	-	09/09/2025 14:18	MJR,NIC1
49	Check STD(5ug/L)		2.500	2.500	2.500	2.500	10.7975	11.4979	4.599	92.0	09/09/2025 14:21	MJR,NIC1
50	Check Blank		2.500	2.500	2.500	2.500	0.0237	0.0334	0.013	-	09/09/2025 14:25	MJR,NIC1
51	L2555245-06	WG2111833	2.500	2.500	2.500	2.500	0.2451	0.2690	0.108	-	09/09/2025 14:28	MJR,NIC1
52	L2555446-37	WG2111833	2.500	2.500	2.500	2.500	0.1952	0.2159	0.086	-	09/09/2025 14:31	MJR,NIC1
53	L2555446-38	WG2111833	2.500	2.500	2.500	2.500	0.2041	0.2253	0.090	-	09/09/2025 14:35	MJR,NIC1
54	WG2111996-1	WG2111996	2.500	2.500	2.500	2.500	0.0808	0.0941	0.038	-	09/09/2025 14:40	MJR,NIC1
55	WG2111996-2	WG2111996	2.500	2.500	2.500	2.500	2.4149	2.5779	1.031	-	09/09/2025 14:44	MJR,NIC1
56	L2555497-01	WG2111996	2.500	2.500	2.500	2.500	0.1118	0.1271	0.051	-	09/09/2025 14:47	MJR,NIC1
57	WG2111996-3	WG2111996	2.500	2.500	2.500	2.500	12.0240	12.8030	5.121	-	09/09/2025 14:50	MJR,NIC1
58	WG2111996-4	WG2111996	2.500	2.500	2.500	2.500	11.7189	12.4783	4.991	-	09/09/2025 14:54	MJR,NIC1
59	L2554982-10	WG2111996	2.500	2.500	2.500	2.500	0.0549	0.0666	0.027	-	09/09/2025 14:57	MJR,NIC1
60	L2553633-01	WG2111996	2.500	2.500	2.500	2.500	0.1033	0.1181	0.047	-	09/09/2025 15:00	MJR,NIC1
61	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.0193	11.7339	4.694	93.9	09/09/2025 15:03	MJR,NIC1
62	Check Blank		2.500	2.500	2.500	2.500	0.0246	0.0343	0.014	-	09/09/2025 15:07	MJR,NIC1
63	L2554098-03	WG2111996	2.500	2.500	2.500	2.500	0.0497	0.0610	0.024	-	09/09/2025 15:10	MJR,NIC1
64	L2555026-01	WG2111996	2.500	2.500	2.500	2.500	0.0718	0.0846	0.034	-	09/09/2025 15:13	MJR,NIC1
65	L2555026-02	WG2111996	2.500	2.500	2.500	2.500	0.0736	0.0865	0.035	-	09/09/2025 15:17	MJR,NIC1
66	L2555497-03	WG2111996	2.500	2.500	2.500	2.500	0.0866	0.1003	0.040	-	09/09/2025 15:20	MJR,NIC1
67	L2555497-04	WG2111996	2.500	2.500	2.500	2.500	0.1048	0.1197	0.048	-	09/09/2025 15:23	MJR,NIC1
68	L2555497-05	WG2111996	2.500	2.500	2.500	2.500	0.0704	0.0831	0.033	-	09/09/2025 15:27	MJR,NIC1
69	L2555497-08	WG2111996	2.500	2.500	2.500	2.500	0.0452	0.0563	0.023	-	09/09/2025 15:30	MJR,NIC1
70	L2555497-09	WG2111996	2.500	2.500	2.500	2.500	0.0472	0.0584	0.023	-	09/09/2025 15:33	MJR,NIC1

71	L2555848-01	WG2111996	2.500	2.500	2.500	2.500	0.5813	0.6267	0.251	-	09/09/2025 15:36	MJR,NIC1
72	WG2112298-1	WG2112298	2.500	2.500	2.500	2.500	0.0335	0.0438	0.018	-	09/09/2025 16:31	MJR,NIC1
73	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.5790	12.3295	4.932	98.6	09/09/2025 16:34	MJR,NIC1
74	Check Blank		2.500	2.500	2.500	2.500	0.0101	0.0189	0.008	-	09/09/2025 16:38	MJR,NIC1
75	WG2112298-2	WG2112298	2.500	2.500	2.500	2.500	2.4347	2.5989	1.040	-	09/09/2025 16:41	MJR,NIC1
76	L2555165-07	WG2112298	2.500	2.500	2.500	2.500	0.0495	0.0608	0.024	-	09/09/2025 16:44	MJR,NIC1
77	WG2112298-3	WG2112298	2.500	2.500	2.500	2.500	11.8655	12.6343	5.054	-	09/09/2025 16:48	MJR,NIC1
78	WG2112298-4	WG2112298	2.500	2.500	2.500	2.500	0.0544	0.0660	0.026	-	09/09/2025 16:51	MJR,NIC1
79	L2555174-01	WG2112298	2.500	2.500	2.500	2.500	0.0497	0.0610	0.024	-	09/09/2025 16:54	MJR,NIC1
80	WG2112430-1	WG2112430	2.500	2.500	2.500	2.500	0.0323	0.0425	0.017	-	09/09/2025 16:58	MJR,NIC1
81	WG2112430-2	WG2112430	2.500	2.500	2.500	2.500	2.3779	2.5385	1.015	-	09/09/2025 17:01	MJR,NIC1
82	L2554426-01	WG2112430	2.500	2.500	2.500	2.500	0.0628	0.0750	0.030	-	09/09/2025 17:04	MJR,NIC1
83	WG2112430-3	WG2112430	2.500	2.500	2.500	2.500	12.0496	12.8302	5.132	-	09/09/2025 17:08	MJR,NIC1
84	WG2112430-4	WG2112430	2.500	2.500	2.500	2.500	0.0450	0.0560	0.022	-	09/09/2025 17:11	MJR,NIC1
85	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.7234	12.4831	4.993	99.9	09/09/2025 17:14	MJR,NIC1
86	Check Blank		2.500	2.500	2.500	2.500	0.0111	0.0200	0.008	-	09/09/2025 17:18	MJR,NIC1
87	L2553851-18	WG2112430	2.500	2.500	2.500	2.500	0.0431	0.0540	0.022	-	09/09/2025 17:21	MJR,NIC1
88	L2554650-01	WG2112430	2.500	2.500	2.500	2.500	0.0315	0.0417	0.017	-	09/09/2025 17:24	MJR,NIC1
89	WG2112494-1	WG2112494	2.500	2.500	2.500	2.500	0.0341	0.0444	0.018	-	09/09/2025 17:27	MJR,NIC1
90	WG2112494-2	WG2112494	2.500	2.500	2.500	2.500	2.4796	2.6467	1.059	-	09/09/2025 17:31	MJR,NIC1
91	L2555246-01	WG2112494	2.500	2.500	2.500	2.500	0.1417	0.1589	0.064	-	09/09/2025 17:34	MJR,NIC1
92	WG2112494-3	WG2112494	2.500	2.500	2.500	2.500	12.6150	13.4319	5.373	-	09/09/2025 17:37	MJR,NIC1
93	WG2112494-4	WG2112494	2.500	2.500	2.500	2.500	0.0846	0.0982	0.039	-	09/09/2025 17:41	MJR,NIC1
94	L2555245-01	WG2112494	2.500	2.500	2.500	2.500	0.0346	0.0450	0.018	-	09/09/2025 17:44	MJR,NIC1
95	WG2112303-1	WG2112303	2.500	2.500	2.500	2.500	0.0604	0.0724	0.029	-	09/09/2025 17:47	MJR,NIC1
96	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.8596	12.6281	5.051	101.0	09/09/2025 17:51	MJR,NIC1
97	Check Blank		2.500	2.500	2.500	2.500	0.0150	0.0241	0.010	-	09/09/2025 17:54	MJR,NIC1
98	WG2112303-2	WG2112303	2.500	2.500	2.500	2.500	2.4136	2.5765	1.031	-	09/09/2025 17:57	MJR,NIC1
99	L2552572-03	WG2112303	2.500	2.500	2.500	2.500	0.0470	0.0582	0.023	-	09/09/2025 18:01	MJR,NIC1
100	WG2112303-3	WG2112303	2.500	2.500	2.500	2.500	12.0418	12.8219	5.129	-	09/09/2025 18:04	MJR,NIC1
101	WG2112303-4	WG2112303	2.500	2.500	2.500	2.500	0.0365	0.0470	0.019	-	09/09/2025 18:07	MJR,NIC1
102	L2552572-06	WG2112303	2.500	2.500	2.500	2.500	0.0391	0.0498	0.020	-	09/09/2025 18:11	MJR,NIC1

103	L2552572-09 WG2112303	2.500	2.500	2.500	2.500	0.0641	0.0764	0.031	-	09/09/2025 18:14	MJR,NIC1
104	WG2112141-1 WG2112141	2.500	2.500	2.500	2.500	0.0345	0.0449	0.018	-	09/09/2025 18:18	MJR,NIC1
105	WG2112141-2 WG2112141	2.500	2.500	2.500	2.500	2.4306	2.5946	1.038	-	09/09/2025 18:21	MJR,NIC1
106	XI2555411-02 WG2112141	2.500	2.500	2.500	2.500	51.3527	54.6530	21.861	-	09/09/2025 18:25	MJR,NIC1
107	XWG2112141-3 WG2112141	2.500	2.500	2.500	2.500	62.0368	66.0220	26.409	-	09/09/2025 18:28	MJR,NIC1
108	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8319	12.5986	5.039	100.8	09/09/2025 18:31	MJR,NIC1
109	Check Blank	2.500	2.500	2.500	2.500	0.0174	0.0267	0.011	-	09/09/2025 18:35	MJR,NIC1
110	XWG2112141-4 WG2112141	2.500	2.500	2.500	2.500	51.4619	54.7692	21.908	-	09/09/2025 18:38	MJR,NIC1
111	I2555605-01 WG2112141	2.500	2.500	2.500	2.500	0.0475	0.0587	0.023	-	09/09/2025 18:41	MJR,NIC1
112	WG2112141-5 WG2112141	2.500	2.500	2.500	2.500	12.2618	13.0560	5.222	-	09/09/2025 18:44	MJR,NIC1
113	WG2112141-6 WG2112141	2.500	2.500	2.500	2.500	0.0442	0.0552	0.022	-	09/09/2025 18:48	MJR,NIC1
114	I2555524-01 WG2112141	2.500	2.500	2.500	2.500	0.0423	0.0532	0.021	-	09/09/2025 18:51	MJR,NIC1
115	I2555524-02 WG2112141	2.500	2.500	2.500	2.500	0.0497	0.0610	0.024	-	09/09/2025 18:54	MJR,NIC1
116	I2555524-03 WG2112141	2.500	2.500	2.500	2.500	0.0477	0.0589	0.024	-	09/09/2025 18:58	MJR,NIC1
117	I2555524-04 WG2112141	2.500	2.500	2.500	2.500	0.0465	0.0576	0.023	-	09/09/2025 19:01	MJR,NIC1
118	I2555524-05 WG2112141	2.500	2.500	2.500	2.500	0.0414	0.0522	0.021	-	09/09/2025 19:04	MJR,NIC1
119	I2555605-03 WG2112141	2.500	2.500	2.500	2.500	0.0409	0.0517	0.021	-	09/09/2025 19:08	MJR,NIC1
120	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8460	12.6136	5.045	100.9	09/09/2025 19:11	MJR,NIC1
121	Check Blank	2.500	2.500	2.500	2.500	0.0164	0.0256	0.010	-	09/09/2025 19:14	MJR,NIC1
122	I2555605-04 WG2112141	2.500	2.500	2.500	2.500	0.0407	0.0515	0.021	-	09/09/2025 19:17	MJR,NIC1
123	I2555605-05 WG2112141	2.500	2.500	2.500	2.500	0.0437	0.0547	0.022	-	09/09/2025 19:21	MJR,NIC1
124	I2555605-06 WG2112141	2.500	2.500	2.500	2.500	0.0473	0.0585	0.023	-	09/09/2025 19:24	MJR,NIC1
125	I2555605-07 WG2112141	2.500	2.500	2.500	2.500	0.0483	0.0596	0.024	-	09/09/2025 19:27	MJR,NIC1
126	I2555605-08 WG2112141	2.500	2.500	2.500	2.500	0.0438	0.0548	0.022	-	09/09/2025 19:31	MJR,NIC1
127	I2555936-01 WG2112141	2.500	2.500	2.500	2.500	0.0425	0.0534	0.021	-	09/09/2025 19:34	MJR,NIC1
128	I2555938-01 WG2112141	2.500	2.500	2.500	2.500	0.0432	0.0541	0.022	-	09/09/2025 19:37	MJR,NIC1
129	I2555938-02 WG2112141	2.500	2.500	2.500	2.500	0.0397	0.0504	0.020	-	09/09/2025 19:41	MJR,NIC1
130	I2555938-03 WG2112141	2.500	2.500	2.500	2.500	0.0461	0.0572	0.023	-	09/09/2025 19:44	MJR,NIC1
131	I2555938-04 WG2112141	2.500	2.500	2.500	2.500	0.0486	0.0599	0.024	-	09/09/2025 19:47	MJR,NIC1
132	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8043	12.5692	5.028	100.6	09/09/2025 19:50	MJR,NIC1
133	Check Blank	2.500	2.500	2.500	2.500	0.0273	0.0372	0.015	-	09/09/2025 19:54	MJR,NIC1
134	I2555938-05 WG2112141	2.500	2.500	2.500	2.500	0.0416	0.0524	0.021	-	09/09/2025 19:57	MJR,NIC1

135	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.6642	12.4201	4.968	99.4	09/09/2025 20:00	MJR,NIC1
136	Check Blank	2.500	2.500	2.500	2.500	0.0190	0.0284	0.011	-	09/09/2025 20:04	MJR,NIC1
137	I2555411-02D5 WG2112141	2.500	2.500	2.500	2.500	9.9115	10.5551	4.222	-	09/09/2025 20:33	MJR,NIC1
138	WG2112141-3D5 WG2112141	2.500	2.500	2.500	2.500	12.0160	12.7945	5.118	-	09/09/2025 20:36	MJR,NIC1
139	WG2112141-4D5 WG2112141	2.500	2.500	2.500	2.500	9.9676	10.6148	4.246	-	09/09/2025 20:40	MJR,NIC1
140	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.6058	12.3580	4.943	98.9	09/09/2025 20:43	MJR,NIC1
141	Check Blank	2.500	2.500	2.500	2.500	0.0180	0.0273	0.011	-	09/09/2025 20:46	MJR,NIC1

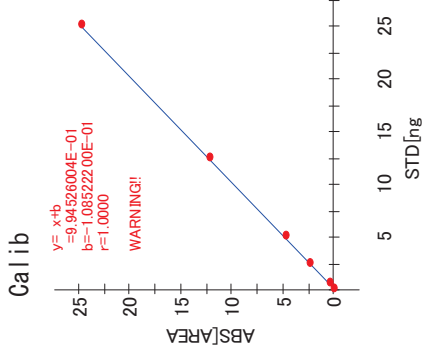
Title :
Date : 9/11/2025
Name :

Method

STD
HONH3Cl
(1+1) H2SO4
10w/v% SnCl2 : 0.0mL
: 0.0mL
: 0.3mL

SMP
HONH3Cl
(1+1) H2SO4
10w/v% SnCl2 : 0.0mL
: 0.0mL
: 0.3mL

Measurement Time (sec) : 120sec



STD

1	0.000	2.500	2.500	2.500	0.000	0.0160	0.1252	-	09/11/2025 18:47	RDB,NIC1
2	0.200	2.500	2.500	2.500	0.500	0.4195	0.5309	6.2	09/11/2025 18:50	RDB,NIC1
3	1.000	2.500	2.500	2.500	2.500	2.3349	2.4569	1.7	09/11/2025 18:53	RDB,NIC1
4	2.000	2.500	2.500	2.500	5.000	4.7945	4.9300	1.4	09/11/2025 18:57	RDB,NIC1
5	5.000	2.500	2.500	2.500	12.500	12.2021	12.3786	1.0	09/11/2025 19:00	RDB,NIC1
6	10.000	2.500	2.500	2.500	25.000	24.8321	25.0784	0.3	09/11/2025 19:03	RDB,NIC1

SMP

1	ICV		2.500	2.500	2.500	2.500	7.3521	7.5017	3.001	-	09/11/2025 19:07	RDB,NIC1
2	ICB		2.500	2.500	2.500	2.500	0.0281	0.1374	0.055	-	09/11/2025 19:10	RDB,NIC1
3	WG2112845-1	WG2112845		2.500	2.500	2.500	0.0530	0.1624	0.065	-	09/11/2025 19:13	RDB,NIC1
4	WG2112845-2	WG2112845		2.500	2.500	2.500	2.4078	2.5302	1.012	-	09/11/2025 19:17	RDB,NIC1
5	L2556550-01	WG2112845		2.500	2.500	2.500	0.0711	0.1806	0.072	-	09/11/2025 19:20	RDB,NIC1
6	WG2112845-3	WG2112845		2.500	2.500	2.500	11.4411	11.6132	4.645	-	09/11/2025 19:23	RDB,NIC1

7	WG2112845-4 WG2112845	2.500	2.500	2.500	2.500	0.1380	0.2479	0.099	-	09/11/2025 19:27	RDB,NIC1
8	WG2112038-1 WG2112038	2.500	2.500	2.500	2.500	0.0486	0.1580	0.063	-	09/11/2025 19:30	RDB,NIC1
9	WG2112038-2 WG2112038	2.500	2.500	2.500	2.500	2.4370	2.5595	1.024	-	09/11/2025 19:33	RDB,NIC1
10	L2555605-02 WG2112038	2.500	2.500	2.500	2.500	0.0642	0.1737	0.069	-	09/11/2025 19:37	RDB,NIC1
11	WG2112038-3 WG2112038	2.500	2.500	2.500	2.500	11.8850	12.0595	4.824	-	09/11/2025 19:40	RDB,NIC1
12	WG2112038-4 WG2112038	2.500	2.500	2.500	2.500	11.7273	11.9010	4.760	-	09/11/2025 19:43	RDB,NIC1
13	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.9330	12.1078	4.843	96.9	09/11/2025 19:47	RDB,NIC1
14	Check Blank	2.500	2.500	2.500	2.500	0.0158	0.1250	0.050	-	09/11/2025 19:51	RDB,NIC1
15	XL2555806-05 WG2112038	2.500	2.500	2.500	2.500	0.0011	0.1102	0.044	-	09/11/2025 20:19	RDB,NIC1
16	WG2112038-5 WG2112038	2.500	2.500	2.500	2.500	11.4325	11.6045	4.642	-	09/11/2025 20:29	RDB,NIC1
17	WG2112038-6 WG2112038	2.500	2.500	2.500	2.500	11.8536	12.0280	4.811	-	09/11/2025 20:32	RDB,NIC1
18	L2555524-01 WG2112038	2.500	2.500	2.500	2.500	0.0719	0.1814	0.073	-	09/11/2025 20:36	RDB,NIC1
19	L2555524-02 WG2112038	2.500	2.500	2.500	2.500	0.0702	0.1797	0.072	-	09/11/2025 20:39	RDB,NIC1
20	L2555524-03 WG2112038	2.500	2.500	2.500	2.500	0.0707	0.1802	0.072	-	09/11/2025 20:42	RDB,NIC1
21	L2555524-04 WG2112038	2.500	2.500	2.500	2.500	0.0692	0.1787	0.071	-	09/11/2025 20:46	RDB,NIC1
22	L2555524-05 WG2112038	2.500	2.500	2.500	2.500	0.0800	0.1896	0.076	-	09/11/2025 20:49	RDB,NIC1
23	L2555605-01 WG2112038	2.500	2.500	2.500	2.500	0.0821	0.1917	0.077	-	09/11/2025 20:52	RDB,NIC1
24	L2555605-03 WG2112038	2.500	2.500	2.500	2.500	0.0909	0.2005	0.080	-	09/11/2025 20:56	RDB,NIC1
25	Check STD(5ug/L)	2.500	2.500	2.500	2.500	12.1805	12.3567	4.943	98.9	09/11/2025 20:59	RDB,NIC1
26	Check Blank	2.500	2.500	2.500	2.500	0.0174	0.1266	0.051	-	09/11/2025 21:02	RDB,NIC1
27	L2555605-04 WG2112038	2.500	2.500	2.500	2.500	0.0978	0.2075	0.083	-	09/11/2025 21:05	RDB,NIC1
28	L2555605-05 WG2112038	2.500	2.500	2.500	2.500	0.0943	0.2039	0.082	-	09/11/2025 21:09	RDB,NIC1
29	L2555605-06 WG2112038	2.500	2.500	2.500	2.500	0.1139	0.2236	0.089	-	09/11/2025 21:12	RDB,NIC1
30	L2555605-07 WG2112038	2.500	2.500	2.500	2.500	0.0794	0.1890	0.076	-	09/11/2025 21:15	RDB,NIC1
31	L2555605-08 WG2112038	2.500	2.500	2.500	2.500	0.1925	0.3027	0.121	-	09/11/2025 21:19	RDB,NIC1
32	L2555806-01 WG2112038	2.500	2.500	2.500	2.500	0.1831	0.2932	0.117	-	09/11/2025 21:22	RDB,NIC1
33	L2555806-02 WG2112038	2.500	2.500	2.500	2.500	0.1490	0.2589	0.104	-	09/11/2025 21:25	RDB,NIC1
34	L2555806-03 WG2112038	2.500	2.500	2.500	2.500	0.1341	0.2440	0.098	-	09/11/2025 21:29	RDB,NIC1
35	L2555806-04 WG2112038	2.500	2.500	2.500	2.500	0.1220	0.2318	0.093	-	09/11/2025 21:32	RDB,NIC1
36	L2555806-06 WG2112038	2.500	2.500	2.500	2.500	0.0557	0.1651	0.066	-	09/11/2025 21:35	RDB,NIC1
37	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.9405	12.1153	4.846	96.9	09/11/2025 21:38	RDB,NIC1
38	Check Blank	2.500	2.500	2.500	2.500	0.0131	0.1223	0.049	-	09/11/2025 21:42	RDB,NIC1

39	L2555806-07 WG2112038	2.500	2.500	2.500	2.500	0.0434	0.1528	0.061	-	09/11/2025 21:45	RDB,NIC1
40	L2555806-05 WG2112038	2.500	2.500	2.500	2.500	0.0616	0.1711	0.068	-	09/11/2025 21:48	RDB,NIC1
41	WG2111846-1 WG2111846	2.500	2.500	2.500	2.500	0.1940	0.3042	0.122	-	09/11/2025 21:52	RDB,NIC1
42	WG2111846-2 WG2111846	2.500	2.500	2.500	2.500	2.6162	2.7397	1.096	-	09/11/2025 21:55	RDB,NIC1
43	L2555806-05 WG2111846	2.500	2.500	2.500	2.500	1.1075	1.2227	0.489	-	09/11/2025 21:58	RDB,NIC1
44	WG2111846-3 WG2111846	2.500	2.500	2.500	2.500	13.8601	14.0455	5.618	-	09/11/2025 22:02	RDB,NIC1
45	WG2111846-4 WG2111846	2.500	2.500	2.500	2.500	12.6428	12.8215	5.129	-	09/11/2025 22:05	RDB,NIC1
46	L2555806-01 WG2111846	2.500	2.500	2.500	2.500	0.4318	0.5433	0.217	-	09/11/2025 22:08	RDB,NIC1
47	L2555806-02 WG2111846	2.500	2.500	2.500	2.500	0.2427	0.3532	0.141	-	09/11/2025 22:11	RDB,NIC1
48	L2555806-03 WG2111846	2.500	2.500	2.500	2.500	0.2663	0.3769	0.151	-	09/11/2025 22:15	RDB,NIC1
49	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8615	12.0359	4.814	96.3	09/11/2025 22:18	RDB,NIC1
50	Check Blank	2.500	2.500	2.500	2.500	0.0654	0.1749	0.070	-	09/11/2025 22:23	RDB,NIC1
51	L2555806-04 WG2111846	2.500	2.500	2.500	2.500	0.2847	0.3954	0.158	-	09/11/2025 22:27	RDB,NIC1
52	L2555806-06 WG2111846	2.500	2.500	2.500	2.500	0.3195	0.4304	0.172	-	09/11/2025 22:30	RDB,NIC1
53	L2555806-07 WG2111846	2.500	2.500	2.500	2.500	0.3787	0.4899	0.196	-	09/11/2025 22:33	RDB,NIC1
54	WG2113305-1 WG2113305	2.500	2.500	2.500	2.500	0.0282	0.1375	0.055	-	09/11/2025 22:37	RDB,NIC1
55	WG2113305-2 WG2113305	2.500	2.500	2.500	2.500	2.3725	2.4947	0.998	-	09/11/2025 22:40	RDB,NIC1
56	L2556217-01 WG2113305	2.500	2.500	2.500	2.500	0.0313	0.1406	0.056	-	09/11/2025 22:43	RDB,NIC1
57	WG2113305-3 WG2113305	2.500	2.500	2.500	2.500	11.5564	11.7291	4.692	-	09/11/2025 22:47	RDB,NIC1
58	WG2113305-4 WG2113305	2.500	2.500	2.500	2.500	0.0355	0.1448	0.058	-	09/11/2025 22:50	RDB,NIC1
59	L2556217-02 WG2113305	2.500	2.500	2.500	2.500	0.0449	0.1543	0.062	-	09/11/2025 22:53	RDB,NIC1
60	L2556217-05 WG2113305	2.500	2.500	2.500	2.500	0.0493	0.1587	0.063	-	09/11/2025 22:56	RDB,NIC1
61	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.7829	11.9569	4.783	95.7	09/11/2025 23:00	RDB,NIC1
62	Check Blank	2.500	2.500	2.500	2.500	0.0677	0.1772	0.071	-	09/11/2025 23:03	RDB,NIC1
63	L2556217-06 WG2113305	2.500	2.500	2.500	2.500	0.0446	0.1540	0.062	-	09/11/2025 23:06	RDB,NIC1
64	L2556217-10 WG2113305	2.500	2.500	2.500	2.500	0.0472	0.1566	0.063	-	09/11/2025 23:10	RDB,NIC1
65	L2556217-11 WG2113305	2.500	2.500	2.500	2.500	0.0407	0.1500	0.060	-	09/11/2025 23:13	RDB,NIC1
66	L2556217-14 WG2113305	2.500	2.500	2.500	2.500	0.0378	0.1471	0.059	-	09/11/2025 23:16	RDB,NIC1
67	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8170	11.9912	4.796	95.9	09/11/2025 23:20	RDB,NIC1
68	Check Blank	2.500	2.500	2.500	2.500	0.0688	0.1783	0.071	-	09/11/2025 23:23	RDB,NIC1
69	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.6537	11.8270	4.731	94.6	09/12/2025 05:53	JWN,NIC1
70	Check Blank	2.500	2.500	2.500	2.500	0.0189	0.1281	0.051	-	09/12/2025 05:56	JWN,NIC1

71	WG2112652-1 WG2112652	2.500	2.500	2.500	2.500	0.1858	0.2959	0.118	-	09/12/2025 06:17	JWN,NIC1
72	WG2112652-2 WG2112652	2.500	2.500	2.500	2.500	2.4887	2.6115	1.045	-	09/12/2025 06:21	JWN,NIC1
73	L2556081-01 WG2112652	2.500	2.500	2.500	2.500	0.0772	0.1867	0.075	-	09/12/2025 06:24	JWN,NIC1
74	WG2112652-3 WG2112652	2.500	2.500	2.500	2.500	12.2189	12.3953	4.958	-	09/12/2025 06:27	JWN,NIC1
75	WG2112652-4 WG2112652	2.500	2.500	2.500	2.500	0.0463	0.1557	0.062	-	09/12/2025 06:31	JWN,NIC1
76	L2556081-02 WG2112652	2.500	2.500	2.500	2.500	0.0480	0.1574	0.063	-	09/12/2025 06:34	JWN,NIC1
77	L2556180-01 WG2112652	2.500	2.500	2.500	2.500	0.1332	0.2431	0.097	-	09/12/2025 06:37	JWN,NIC1
78	L2556224-01 WG2112652	2.500	2.500	2.500	2.500	0.0557	0.1651	0.066	-	09/12/2025 06:41	JWN,NIC1
79	L2556224-02 WG2112652	2.500	2.500	2.500	2.500	0.1283	0.2381	0.095	-	09/12/2025 06:44	JWN,NIC1
80	WG2110930-1 WG2110930	2.500	2.500	2.500	2.500	0.0286	0.1379	0.055	-	09/12/2025 07:25	JWN,NIC1
81	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.6304	11.8035	4.721	94.4	09/12/2025 07:28	JWN,NIC1
82	Check Blank	2.500	2.500	2.500	2.500	0.0196	0.1288	0.052	-	09/12/2025 07:31	JWN,NIC1
83	WG2110930-2 WG2110930	2.500	2.500	2.500	2.500	2.4622	2.5849	1.034	-	09/12/2025 07:35	JWN,NIC1
84	L2555453-01 WG2110930	2.500	2.500	2.500	2.500	0.0282	0.1375	0.055	-	09/12/2025 07:38	JWN,NIC1
85	WG2110930-3 WG2110930	2.500	2.500	2.500	2.500	12.1432	12.3192	4.928	-	09/12/2025 07:41	JWN,NIC1
86	WG2110930-4 WG2110930	2.500	2.500	2.500	2.500	0.0332	0.1425	0.057	-	09/12/2025 07:45	JWN,NIC1
87	L2554877-01 WG2110930	2.500	2.500	2.500	2.500	0.0412	0.1505	0.060	-	09/12/2025 07:48	JWN,NIC1
88	L2554877-02 WG2110930	2.500	2.500	2.500	2.500	0.0279	0.1372	0.055	-	09/12/2025 07:51	JWN,NIC1
89	L2554886-01 WG2110930	2.500	2.500	2.500	2.500	0.0338	0.1431	0.057	-	09/12/2025 07:55	JWN,NIC1
90	L2554886-02 WG2110930	2.500	2.500	2.500	2.500	0.0313	0.1406	0.056	-	09/12/2025 07:58	JWN,NIC1
91	L2554886-03 WG2110930	2.500	2.500	2.500	2.500	0.0442	0.1536	0.061	-	09/12/2025 08:01	JWN,NIC1
92	L2554886-04 WG2110930	2.500	2.500	2.500	2.500	0.0398	0.1491	0.060	-	09/12/2025 08:04	JWN,NIC1
93	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8425	12.0168	4.807	96.1	09/12/2025 08:08	JWN,NIC1
94	Check Blank	2.500	2.500	2.500	2.500	0.0223	0.1315	0.053	-	09/12/2025 08:11	JWN,NIC1
95	L2554886-05 WG2110930	2.500	2.500	2.500	2.500	0.0373	0.1466	0.059	-	09/12/2025 08:14	JWN,NIC1
96	L2554886-06 WG2110930	2.500	2.500	2.500	2.500	0.0276	0.1369	0.055	-	09/12/2025 08:18	JWN,NIC1
97	L2555453-02 WG2110930	2.500	2.500	2.500	2.500	0.0281	0.1374	0.055	-	09/12/2025 08:21	JWN,NIC1

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck




ISO/IEC GUIDE 34:2009

ISO/IEC 17025:2005



Page 3 of 3 Lot: D102-540



A Waters Company

Reference Material

▪ **Certificate of Analysis** ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

Page 1 of 3 Lot: D105-540

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▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

Certificate of Analysis

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAP proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAP compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = $\frac{(\% \text{ recovery certified standard})}{(\% \text{ recovery NIST SRM})} \times 100$

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck





▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No.: D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

▪ **Certificate of Analysis** ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}}^2) + (U_{\text{homogen}}^2) + (U_{\text{LTS}}^2) + (U_{\text{STS}}^2) + (U_{\text{RSS}}^2))$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$
 The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck





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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION



Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

Page 1 of 4 Lot: D113-540

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.





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Certified Reference Material

• Certificate of Analysis •

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

Page 1 of 4 Lot: D126-540

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Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379



A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

Page 3 of 4 Lot: D126-540

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▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}}^2) + (U_{\text{homogen}}^2) + (U_{\text{LTS}}^2) + (U_{\text{STS}}^2) + (U_{\text{RSS}}^2))$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$
 The traceability data shown were compiled by analyzing this ERA certified reference material and/or its associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.



Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve.
The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k1 = y-intercept

k2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$).
The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve.
The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k1 = y-intercept

k2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$).
The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

$$\text{Result, mg/kg, wet} = ((\text{result, mg/L}) \times (\text{FV})) / \text{Wt}$$

$$\text{Result, mg/kg, dry wt} = (\text{Result, mg/kg wet}) / (\% \text{TS})$$

No.	Sample No. NAME	CURVE:WG21110857
1	1 STD	
2	2 STD	
3	3 STD	
4	4 STD	
5	5 STD	
6	6 STD	
1	7 ICV	
2	8 ICB	
3	9 WG2111115-1 WG2111115	
4	10 XWG2111115-2 WG2111115	
5	11 L2555241-02 WG2111115	
6	12 WG2111115-3 WG2111115	
7	13 WG2111115-4 WG2111115	
8	14 L2555241-03 WG2111115	
9	15 L2555241-04 WG2111115	
10	16 L2555241-06 WG2111115	
11	17 L2555246-02 WG2111115	
12	18 L2555246-04 WG2111115	
13	19 Check STD(5ug/L)	
14	20 Check Blank	
15	21 XWG2111115-2 WG2111115	
16	22 WG2111290-1 WG2111290	
17	23 WG2111290-2 WG2111290	
18	24 L2555605-01 WG2111290	
19	25 WG2111290-3 WG2111290	
20	26 WG2111290-4 WG2111290	
21	27 L2555605-03 WG2111290	
22	28 WG2111290-5 WG2111290	
23	29 WG2111290-6 WG2111290	
24	30 L2555524-01 WG2111290	
25	31 Check STD(5ug/L)	
26	32 Check Blank	
27	33 L2555524-02 WG2111290	
28	34 L2555524-03 WG2111290	
29	35 L2555524-04 WG2111290	
30	36 L2555524-05 WG2111290	
31	37 L2555605-04 WG2111290	
32	38 L2555605-05 WG2111290	
33	39 L2555605-06 WG2111290	
34	40 L2555605-07 WG2111290	
35	41 L2555605-08 WG2111290	
36	42 WG2111115-2 WG2111115	
37	43 Check STD(5ug/L)	

38	44 Check Blank
39	45 WG2111536-1 WG2111536
40	46 WG2111536-2 WG2111536
41	47 L2555209-01 WG2111536
42	48 WG2111536-3 WG2111536
43	49 WG2111536-4 WG2111536
44	50 L2555011-01 WG2111536
45	51 L2555209-02 WG2111536
46	52 L2555209-03 WG2111536
47	55 Check STD(5ug/L)
48	56 Check Blank
49	57 Check STD(5ug/L)
50	58 Check Blank
51	59 WG2111687-1 WG2111687
52	60 WG2111687-2 WG2111687
53	61 L2555337-06 WG2111687
54	62 WG2111687-3 WG2111687
55	63 WG2111687-4 WG2111687
56	64 L2555337-04 WG2111687
57	65 L2555337-08 WG2111687
58	66 L2555580-06 WG2111687
59	67 Check STD(5ug/L)
60	68 Check Blank
61	69 L2555580-07 WG2111687
62	70 WG2111534-1 WG2111534
63	71 WG2111534-2 WG2111534
64	72 L2553409-02 WG2111534
65	73 WG2111534-3 WG2111534
66	74 WG2111534-4 WG2111534
67	75 L2553670-01 WG2111534
68	76 L2553670-02 WG2111534
69	77 L2553670-03 WG2111534
70	78 L2553670-04 WG2111534
71	79 Check STD(5ug/L)
72	80 Check Blank
73	1 L2553714-01 WG2111534
74	2 WG2111347-1 WG2111347
75	3 WG2111347-2 WG2111347
76	4 L2555605-02 WG2111347
77	5 WG2111347-3 WG2111347
78	6 WG2111347-4 WG2111347
79	7 L2555056-01 WG2111347
80	8 L2555464-01 WG2111347
81	9 L2555569-01 WG2111347

82	10 L2555630-01 WG2111347
83	11 Check STD(5ug/L)
84	12 Check Blank
85	13 L2555706-02 WG2111347
86	14 L2555980-01 WG2111347
87	15 L2555980-02 WG2111347
88	16 L2555983-01 WG2111347
89	17 L2555983-02 WG2111347
90	18 WG2110780-1 WG2110780
91	19 WG2110780-2 WG2110780
92	20 L2555251-16 WG2110780
93	21 WG2110780-3 WG2110780
94	22 WG2110780-4 WG2110780
95	23 Check STD(5ug/L)
96	24 Check Blank
97	25 L2553990-01 WG2110780
98	26 L2553990-02 WG2110780
99	27 L2553990-03 WG2110780
100	28 L2554489-01 WG2110780
101	29 L2554489-02 WG2110780
102	30 L2555251-17 WG2110780
103	31 WG2111691-1 WG2111691
104	32 WG2111691-2 WG2111691
105	33 WG2111691-3 WG2111691
106	34 XL2555898-02 WG2111691
107	35 Check STD(5ug/L)
108	36 Check Blank
109	37 L2555898-03 WG2111691
110	38 L2555898-04 WG2111691
111	39 XL2555902-02 WG2111691
112	40 L2555927-01 WG2111691
113	41 XL2555927-02 WG2111691
114	42 L2555927-03 WG2111691
115	43 L2555927-04 WG2111691
116	44 xWG2111691-3 WG2111691
117	45 L2554946-02 WG2110749
118	46 L2554946-03 WG2110749
119	47 Check STD(5ug/L)
120	48 Check Blank
121	49 L2554947-01 WG2110749
122	50 L2554947-02 WG2110749
123	51 L2554947-03 WG2110749
124	52 L2555000-01 WG2110749
125	53 L2555211-05 WG2110749

126	54 L2555333-01 WG2110749
127	55 L2555333-02 WG2110749
128	59 Check STD(5ug/L)
129	60 Check Blank

No.	Sample No.	NAME	CURVE: WG2110857
1	1	STD	
2	2	STD	
3	3	STD	
4	4	STD	
5	5	STD	
6	6	STD	
1	7	ICV	
2	8	ICB	
3	9	WG2111941-1	WG2111941
4	10	WG2111941-2	WG2111941
5	11	L2555905-01	WG2111941
6	12	WG2111941-3	WG2111941
7	13	WG2111941-4	WG2111941
8	14	WG2111952-1	WG2111952
9	15	WG2111952-2	WG2111952
10	16	L2553957-02	WG2111952
11	17	WG2111952-3	WG2111952
12	18	WG2111952-4	WG2111952
13	19	Check STD(5ug/L)	
14	20	Check Blank	
15	21	L2555104-01	WG2111952
16	22	XSAMPLE_SWAP	
17	23	L2555246-03	WG2111952
18	24	L2555246-05	WG2111952
19	25	L2555246-06	WG2111952
20	26	L2555246-07	WG2111952
21	27	L2555246-08	WG2111952
22	28	xHG2536090850AJTV1	
23	29	xHG2536090850AJTV2	
24	30	WG2112028-1	WG2112028
25	31	Check STD(5ug/L)	
26	32	Check Blank	
27	33	WG2112028-2	WG2112028
28	34	WG2112028-3	WG2112028
29	35	L2555898-02	WG2112028
30	36	L2555902-02	WG2112028
31	37	L2555927-02	WG2112028
32	38	WG2111833-1	WG2111833
33	39	WG2111833-2	WG2111833
34	40	L2553957-04	WG2111833
35	41	WG2111833-3	WG2111833
36	42	WG2111833-4	WG2111833
37	43	Check STD(5ug/L)	

38	44 Check Blank
39	45 L2553957-06 WG2111833
40	46 L2553957-08 WG2111833
41	47 L2555241-01 WG2111833
42	48 L2555241-05 WG2111833
43	49 L2555241-07 WG2111833
44	50 L2555241-08 WG2111833
45	51 L2555245-02 WG2111833
46	52 L2555245-03 WG2111833
47	53 L2555245-04 WG2111833
48	54 L2555245-05 WG2111833
49	55 Check STD(5ug/L)
50	56 Check Blank
51	57 L2555245-06 WG2111833
52	58 L2555446-37 WG2111833
53	59 L2555446-38 WG2111833
54	60 WG2111996-1 WG2111996
55	61 WG2111996-2 WG2111996
56	62 L2555497-01 WG2111996
57	63 WG2111996-3 WG2111996
58	64 WG2111996-4 WG2111996
59	65 L2554982-10 WG2111996
60	66 L2553633-01 WG2111996
61	67 Check STD(5ug/L)
62	68 Check Blank
63	69 L2554098-03 WG2111996
64	70 L2555026-01 WG2111996
65	71 L2555026-02 WG2111996
66	72 L2555497-03 WG2111996
67	73 L2555497-04 WG2111996
68	74 L2555497-05 WG2111996
69	75 L2555497-08 WG2111996
70	76 L2555497-09 WG2111996
71	77 L2555848-01 WG2111996
72	78 WG2112298-1 WG2112298
73	79 Check STD(5ug/L)
74	80 Check Blank
75	1 WG2112298-2 WG2112298
76	2 L2555165-07 WG2112298
77	3 WG2112298-3 WG2112298
78	4 WG2112298-4 WG2112298
79	5 L2555174-01 WG2112298
80	6 WG2112430-1 WG2112430
81	7 WG2112430-2 WG2112430

82	8 L2554426-01 WG2112430
83	9 WG2112430-3 WG2112430
84	10 WG2112430-4 WG2112430
85	11 Check STD(5ug/L)
86	12 Check Blank
87	13 L2553851-18 WG2112430
88	14 L2554650-01 WG2112430
89	15 WG2112494-1 WG2112494
90	16 WG2112494-2 WG2112494
91	17 L2555246-01 WG2112494
92	18 WG2112494-3 WG2112494
93	19 WG2112494-4 WG2112494
94	20 L2555245-01 WG2112494
95	22 WG2112303-1 WG2112303
96	23 Check STD(5ug/L)
97	24 Check Blank
98	25 WG2112303-2 WG2112303
99	26 L2552572-03 WG2112303
100	27 WG2112303-3 WG2112303
101	28 WG2112303-4 WG2112303
102	29 L2552572-06 WG2112303
103	30 L2552572-09 WG2112303
104	31 WG2112141-1 WG2112141
105	32 WG2112141-2 WG2112141
106	33 XI2555411-02 WG2112141
107	34 XWG2112141-3 WG2112141
108	35 Check STD(5ug/L)
109	36 Check Blank
110	37 XWG2112141-4 WG2112141
111	38 I2555605-01 WG2112141
112	39 WG2112141-5 WG2112141
113	40 WG2112141-6 WG2112141
114	41 I2555524-01 WG2112141
115	42 I2555524-02 WG2112141
116	43 I2555524-03 WG2112141
117	44 I2555524-04 WG2112141
118	45 I2555524-05 WG2112141
119	46 I2555605-03 WG2112141
120	47 Check STD(5ug/L)
121	48 Check Blank
122	49 I2555605-04 WG2112141
123	50 I2555605-05 WG2112141
124	51 I2555605-06 WG2112141
125	52 I2555605-07 WG2112141

126	53 I2555605-08 WG2112141
127	54 I2555936-01 WG2112141
128	55 I2555938-01 WG2112141
129	56 I2555938-02 WG2112141
130	57 I2555938-03 WG2112141
131	58 I2555938-04 WG2112141
132	59 Check STD(5ug/L)
133	60 Check Blank
134	61 I2555938-05 WG2112141
135	62 Check STD(5ug/L)
136	63 Check Blank
137	64 I2555411-02D5 WG2112141
138	65 WG2112141-3D5 WG2112141
139	66 WG2112141-4D5 WG2112141
140	67 Check STD(5ug/L)
141	68 Check Blank

No.	Sample No. NAME	CURVE: WG2113090
1	1 STD	
2	2 STD	
3	3 STD	
4	4 STD	
5	5 STD	
6	6 STD	
1	7 ICV	
2	8 ICB	
3	9 WG2112845-1 WG2112845	
4	10 WG2112845-2 WG2112845	
5	11 L2556550-01 WG2112845	
6	12 WG2112845-3 WG2112845	
7	13 WG2112845-4 WG2112845	
8	14 WG2112038-1 WG2112038	
9	15 WG2112038-2 WG2112038	
10	16 L2555605-02 WG2112038	
11	17 WG2112038-3 WG2112038	
12	18 WG2112038-4 WG2112038	
13	19 Check STD(5ug/L)	
14	20 Check Blank	
15	21 XL2555806-05 WG2112038	
16	22 WG2112038-5 WG2112038	
17	23 WG2112038-6 WG2112038	
18	24 L2555524-01 WG2112038	
19	25 L2555524-02 WG2112038	
20	26 L2555524-03 WG2112038	
21	27 L2555524-04 WG2112038	
22	28 L2555524-05 WG2112038	
23	29 L2555605-01 WG2112038	
24	30 L2555605-03 WG2112038	
25	31 Check STD(5ug/L)	
26	32 Check Blank	
27	33 L2555605-04 WG2112038	
28	34 L2555605-05 WG2112038	
29	35 L2555605-06 WG2112038	
30	36 L2555605-07 WG2112038	
31	37 L2555605-08 WG2112038	
32	38 L2555806-01 WG2112038	
33	39 L2555806-02 WG2112038	
34	40 L2555806-03 WG2112038	
35	41 L2555806-04 WG2112038	
36	42 L2555806-06 WG2112038	
37	43 Check STD(5ug/L)	

38	44 Check Blank
39	45 L2555806-07 WG2112038
40	46 L2555806-05 WG2112038
41	47 WG2111846-1 WG2111846
42	48 WG2111846-2 WG2111846
43	49 L2555806-05 WG2111846
44	50 WG2111846-3 WG2111846
45	51 WG2111846-4 WG2111846
46	52 L2555806-01 WG2111846
47	53 L2555806-02 WG2111846
48	54 L2555806-03 WG2111846
49	55 Check STD(5ug/L)
50	56 Check Blank
51	57 L2555806-04 WG2111846
52	58 L2555806-06 WG2111846
53	59 L2555806-07 WG2111846
54	60 WG2113305-1 WG2113305
55	61 WG2113305-2 WG2113305
56	62 L2556217-01 WG2113305
57	63 WG2113305-3 WG2113305
58	64 WG2113305-4 WG2113305
59	65 L2556217-02 WG2113305
60	66 L2556217-05 WG2113305
61	67 Check STD(5ug/L)
62	68 Check Blank
63	69 L2556217-06 WG2113305
64	70 L2556217-10 WG2113305
65	71 L2556217-11 WG2113305
66	72 L2556217-14 WG2113305
67	73 Check STD(5ug/L)
68	74 Check Blank
69	79 Check STD(5ug/L)
70	80 Check Blank
71	1 WG2112652-1 WG2112652
72	2 WG2112652-2 WG2112652
73	3 L2556081-01 WG2112652
74	4 WG2112652-3 WG2112652
75	5 WG2112652-4 WG2112652
76	6 L2556081-02 WG2112652
77	7 L2556180-01 WG2112652
78	8 L2556224-01 WG2112652
79	9 L2556224-02 WG2112652
80	10 WG2110930-1 WG2110930
81	11 Check STD(5ug/L)

82	12 Check Blank
83	13 WG2110930-2 WG2110930
84	14 L2555453-01 WG2110930
85	15 WG2110930-3 WG2110930
86	16 WG2110930-4 WG2110930
87	17 L2554877-01 WG2110930
88	18 L2554877-02 WG2110930
89	19 L2554886-01 WG2110930
90	20 L2554886-02 WG2110930
91	21 L2554886-03 WG2110930
92	22 L2554886-04 WG2110930
93	23 Check STD(5ug/L)
94	24 Check Blank
95	25 L2554886-05 WG2110930
96	26 L2554886-06 WG2110930
97	27 L2555453-02 WG2110930



METALS ELN REPORT

Workgroup: WG2112141

Digestion										
Prep Method		Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Pipette Id
EPA 245.1		HNO3	24022614	H2SO4	24009418	METALS	METSPIKE	HG25350501METSPIKE 01CBPV1	HG25350501METSPIKE 01CBPV1	344

Additional Reagent/Std		PS2535041313ADG	
KMnO4		PP2535071330RJG	
NaCl-NH2OH.HCl		HH25360051200CME	
		ICV2534271235ARM	

Sample/Type	Digestion Date	Analyst	Sample Vol	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555411-02	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555524-01	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555524-02	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555524-03	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555524-04	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555524-05	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-01	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-03	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										



METALS ELN REPORT

Workgroup: WG2112141

Sample/ Type	Digestion Date	Analyst	Sample Vol	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555605-04	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-05	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-06	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-07	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-08	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555936-01	09/08/25 20:37	Raldi Cabral	1		09/08/25 20:37	8	96.3	09/08/25 22:37	25	25X Dilution
SAMP										
L2555938-01	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555938-02	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555938-03	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555938-04	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555938-05	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
WG2112141-1	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	eln:AJT
BLANK										



METALS ELN REPORT

Workgroup: WG2112141

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2112141 -2	09/08/25 20:37	Raldi Cabral	25	.250	09/08/25 20:37	8	96.3	09/08/25 22:37	25	
LCS										
WG2112141 -3	09/08/25 20:37	Raldi Cabral	25	1.25	09/08/25 20:37	8	96.3	09/08/25 22:37	25	
MS										
WG2112141 -4	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
DUP										
WG2112141 -5	09/08/25 20:37	Raldi Cabral	25	1.25	09/08/25 20:37	8	96.3	09/08/25 22:37	25	
MS										
WG2112141 -6	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
DUP										

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganai	3.75	ml
Potassium Persulfate (K	2	ml
NaCl-Hydroxylamine Hy	1.5	ml



METALS ELN REPORT

Workgroup: WG2111347

Digestion											
Prep Method Acid Type 1 Acid 1 Lot Acid Type 2 Acid 2 Lot Spike Type Lims Spike Lot Post Spike Spikelot Spike Lot Pipette Id											
EPA 245.1 HNO3 24022614 H2SO4 24016430 METALS METSPIKE HG25350501METSPIKE 01TCBPV1 HG25350501328, 344 01TCBPV1											
Additional Reagent/Std											
K2O8S2 PS2535041313ADG											
KMnO4 PP2535030838ADG											
NaCl-NH2OH.HCl HH2536030833JWN											
ICV2534271235ARM											

Sample/Type	Digestion Date	Analyst	Sample Vol	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555056-01 WATER	09/06/25 02:34	Abigail Jarvis	25		09/06/25 02:34	5	95.2	09/06/25 04:34	25	
L2555464-01 SAMP	09/06/25 02:34	Abigail Jarvis	25		09/06/25 02:34	5	95.2	09/06/25 04:34	25	
L2555569-01 WATER	09/06/25 02:34	Abigail Jarvis	25		09/06/25 02:34	5	95.2	09/06/25 04:34	25	
L2555605-02 SAMP	09/06/25 02:34	Abigail Jarvis	25		09/06/25 02:34	5	95.2	09/06/25 04:34	25	
L2555630-01 WATER	09/06/25 02:34	Abigail Jarvis	12.5		09/06/25 02:34	5	95.2	09/06/25 04:34	25	2X dilution due to reactivity
L2555706-02 SAMP	09/06/25 02:34	Abigail Jarvis	5		09/06/25 02:34	5	95.2	09/06/25 04:34	25	5X dilution due to KMNO4 fall out
L2555980-01 SAMP	09/06/25 02:34	Abigail Jarvis	0.25		09/06/25 02:34	5	95.2	09/06/25 04:34	25	100X dilution due to client history
L2555980-02 SAMP	09/06/25 02:34	Abigail Jarvis	0.25		09/06/25 02:34	5	95.2	09/06/25 04:34	25	100X dilution due to client history



METALS ELN REPORT

Workgroup: WG2111347

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555983-01	09/06/25 02:34	Abigail Jarvis	0.25		09/06/25 02:34	5	95.2	09/06/25 04:34	25	100X dilution due to client history
SAMP										
L2555983-02	09/06/25 02:34	Abigail Jarvis	0.25		09/06/25 02:34	5	95.2	09/06/25 04:34	25	100X dilution due to client history
SAMP										
WG2111347-1	09/06/25 02:34	Abigail Jarvis	25		09/06/25 02:34	5	95.2	09/06/25 04:34	25	ELN: CBP
BLANK										
WG2111347-2	09/06/25 02:34	Abigail Jarvis	25	0.25	09/06/25 02:34	5	95.2	09/06/25 04:34	25	ELN: GAN
LCS										
WG2111347-3	09/06/25 02:34	Abigail Jarvis	25	1.25	09/06/25 02:34	5	95.2	09/06/25 04:34	25	
MS										
WG2111347-4	09/06/25 02:34	Abigail Jarvis	25	1.25	09/06/25 02:34	5	95.2	09/06/25 04:34	25	
MSD										

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganal	3.75	ml
Potassium Persulfate (K	2	ml
NaCl-Hydroxylamine Hy	1.5	ml



METALS ELN REPORT

Workgroup: WG2112038

Digestion												
Prep Method		Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id	
EPA 245.1		HNO3	24022614	H2SO4	24009418	METALS	METSPIKE	HG25350501METSPIKE 01CBPV1	HG25350501METSPIKE 01CBPV1	HG25350501328, 344 01CBPV1		
Additional Reagent/Std												
		K2O8S2			PS2535041313ADG							
		KMnO4			PP2535071330RJG							
		NaCl·NH2OH·HCl			HH25360051200CME							
					ICV2534271235ARM							
Sample/Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments	
L2555524-01	09/08/25 19:23	Maisie Mcqueen	NA	25	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25		
SAMP												
L2555524-02	09/08/25 19:23	Maisie Mcqueen	NA	25	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25		
SAMP												
L2555524-03	09/08/25 19:23	Maisie Mcqueen	NA	25	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25		
SAMP												
L2555524-04	09/08/25 19:23	Maisie Mcqueen	NA	25	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25		
SAMP												
L2555524-05	09/08/25 19:23	Maisie Mcqueen	NA	25	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25		
SAMP												
L2555605-01	09/08/25 19:23	Maisie Mcqueen	NA	25	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25		
SAMP												
L2555605-02	09/08/25 19:23	Maisie Mcqueen	NA	25	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25		
SAMP												
L2555605-03	09/08/25 19:23	Maisie Mcqueen	NA	25	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25		
SAMP												



METALS ELN REPORT

Workgroup: WG2112038

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555605-04 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555605-05 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555605-06 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555605-07 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555605-08 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555806-01 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555806-02 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555806-03 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555806-04 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555806-05 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555806-06 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
L2555806-07 SAMP	09/08/25 19:23	Maisie Mcqueen	NA	25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	



METALS ELN REPORT

Workgroup: WG2112038

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Spike Amt	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol	Comments
WG2112038 -1	09/08/25 19:23	Maisie Mcqueen	NA	25		09/08/25 19:23	5	94.2	09/08/25 21:23	25	ELN: CBP
BLANK											
WG2112038 -2	09/08/25 19:23	Maisie Mcqueen	NA	25	0.25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
LCS											
WG2112038 -3	09/08/25 19:23	Maisie Mcqueen	NA	25	1.25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
MS											
WG2112038 -4	09/08/25 19:23	Maisie Mcqueen	NA	25	1.25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
MSD											
WG2112038 -5	09/08/25 19:23	Maisie Mcqueen	NA	25	1.25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
MS											
WG2112038 -6	09/08/25 19:23	Maisie Mcqueen	NA	25	1.25	09/08/25 19:23	5	94.2	09/08/25 21:23	25	
MSD											

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganal	3.75	ml
Potassium Persulfate (K	2	ml
NaCl-Hydroxylamine Hy	1.5	ml

Wet Chemistry

Total Nitrogen **Analysis**

Results

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 15:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: MRM
Lab File ID	: WG2113085.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	1.8	0.30	0.30	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 15:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: MRM
Lab File ID	: WG2113085.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	4.3	0.30	0.30	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 15:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: MRM
Lab File ID	: WG2113085.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	6.2	0.30	0.30	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 15:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: MRM
Lab File ID	: WG2113085.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	1.4	0.30	0.30	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 15:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: MRM
Lab File ID	: WG2113085.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	4.0	0.30	0.30	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 15:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: MRM
Lab File ID	: WG2113085.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	3.8	0.30	0.30	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 15:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: MRM
Lab File ID	: WG2113085.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	3.1	0.30	0.30	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 15:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: MRM
Lab File ID	: WG2113085.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	2.2	0.30	0.30	



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
TOTAL NITROGEN

Last Change 3/5/13 GFF
File tnitrogen.xlt

Sample #: _____

Client: _____

Analysis: **Total Nitrogen**

Method: *Calculation from TKN & NO3/NO2*

Product: **TNITROGEN**

Analyte: **Total Nitrogen,**

Analysis Date: 9/10/2025 15:40

Technician: **MRM**

Work group: **WG2113085**

RL: **0.3 mg/L**

	Sample Number	TKN (mg/L)	NO3/NO2 (mg/L)	RL Multiplier	Result (mg/L)
SAMP	L2553769-01	2.34	0.49	1.0	2.83
SAMP	L2553819-05	0.288	0.96	1.0	0.96
SAMP	L2553819-06	0.52	0.18	1.0	0.7
SAMP	L2553819-07	0.475	0.098	1.0	0.475
SAMP	L2553819-08	0.202	0.59	1.0	0.59
SAMP	L2553819-09	0.135	0.76	1.0	0.76
SAMP	L2553819-10	0.106	0	1.0	0.106
SAMP	L2554172-02	1.95	1.5	1.0	3.45
SAMP	L2555605-01	0.0976	1.8	1.0	1.8
SAMP	L2555605-02	0	4.3	1.0	4.3
SAMP	L2555605-03	0	6.2	1.0	6.2
SAMP	L2555605-04	0.235	1.4	1.0	1.4
SAMP	L2555605-05	0	4	1.0	4
SAMP	L2555605-06	0	3.8	1.0	3.8
SAMP	L2555605-07	0	3.1	1.0	3.1
SAMP	L2555605-08	0	2.2	1.0	2.2
	L2555630-01	60.8	0.048	20.0	60.8

Calculations of Total Nitrogen

Calculate the concentration value based on results for TKN-N and NO₃/NO₂-N.

Aqueous samples:

$$\text{mgTN-N/L} = \text{TKN-N(mg/l)} + \text{NO}_3/\text{NO}_2\text{-N (mg/l)}$$

Soil samples:

$$\text{mgTN-N/Kg} = \text{TKN-N(mg/Kg)} + \text{NO}_3/\text{NO}_2\text{-N(mg/Kg)}$$

Total Kjeldahl Nitrogen Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250910-E	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.097	0.300	0.066	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250910-E	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250910-E	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250910-E	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.235	0.300	0.066	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250910-E	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250910-E	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250910-E	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250910-E	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112744-1
Client ID : WG2112744-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 4,351.1
Lab File ID : NH320250910-E
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/10/25 14:13
Dilution Factor : 1
Analyst : KEM
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.134	0.300	0.022	J



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112744-3
Client ID : MW-8DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 4,351.1
Lab File ID : NH320250910-E
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/10/25 14:27
Dilution Factor : 1
Analyst : KEM
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U



Sample Raw Data

Original Run Filename: OM_9-10-2025_09-27-47AM.OMN Created: 9/10/2025 9:27:47 AM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-10-2025_09-27-47AM.OMN Last Modified: 9/10/2025 10:22:53 AM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight	TRAY A
STD 1	1	S1	10.000				
STD 2	1	S2	8.0000				
STD 3	1	S3	4.0000				
STD 4	1	S4	2.0000				
STD 5	1	S5	1.0000				
STD 6	1	S6	0.40000				
STD 7	1	S7	0.20000				
STD 8	1	S8	0.10000				
STD 9	1	S9	0.050000				
STD 10	1	S10	0.0000				
CCV L 0.4000	1	S6	0.37693				94%
Known Conc:			0.40000				
Calibration: Table/Fig. : 1							
CCV H 4.0000	1	S3	4.0547				101%
Known Conc:			4.0000				
CCB	1	S10	0.021700				
Known Conc:			0.0000				
HI ICV 8.0	1	1	8.1261				102%
LO ICV 1.0	1	2	0.97258				97%
ICB	1	3	0.015837				
WG2112577-1	1	4	0.011632		1.50		
WG2112577-2	1	5	18.347		7.50		92%
LCS LO	1	6	1.9393		1.50		97%
L2553462-01	1	7	0.43767		1.50		
L2553904-02	1	8	0.071149		1.50		
L2553912-01	1	9	6.5810		1.50		
L2553912-02	1	10	0.30269		1.50		
CCV L 0.4000	1	S6	0.39474				99%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0539				101%
Known Conc:			4.0000				
CCB	1	S10	0.021767				
Known Conc:			0.0000				
L2553922-01	1	11	0.56915		1.50		
L2553928-01	1	12	0.75590		7.50		
L2553942-01	1	13	11.290		7.50		
L2553942-02	1	14	0.39088		1.50		
L2553986-01	1	15	0.040756		1.50		
L2553986-02	1	16	1.2681		1.50		
L2553986-03	1	17	0.059503		1.50		
L2553986-04	1	18	2.8111		1.50		
L2553986-05	1	19	0.12419		1.50		
L2554006-01	1	20	0.16015		1.50		
CCV L 0.4000	1	S6	0.38486				96%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0463				101%
Known Conc:			4.0000				
CCB	1	S10	0.018952				
Known Conc:			0.0000				
L2554006-02	1	21	0.23076		1.50		
L2554153-02	1	22	0.26820		1.50		
WG2112577-4	1	23	4.5832		1.50		108%
X WG2112577-3	1	24	0.41741		1.50		RERUN
L2554153-03; 10X	1	25	80.077		15.00		
WG2112577-3	1	24	0.31661		1.50		RPD=17%
CCV L 0.4000	1	S6	0.39043				98%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0444				101%
Known Conc:			4.0000				

CCB	1	S10	0.024279			
Known Conc:			0.0000			

Channel 1 (Ammonia Low) - Current View

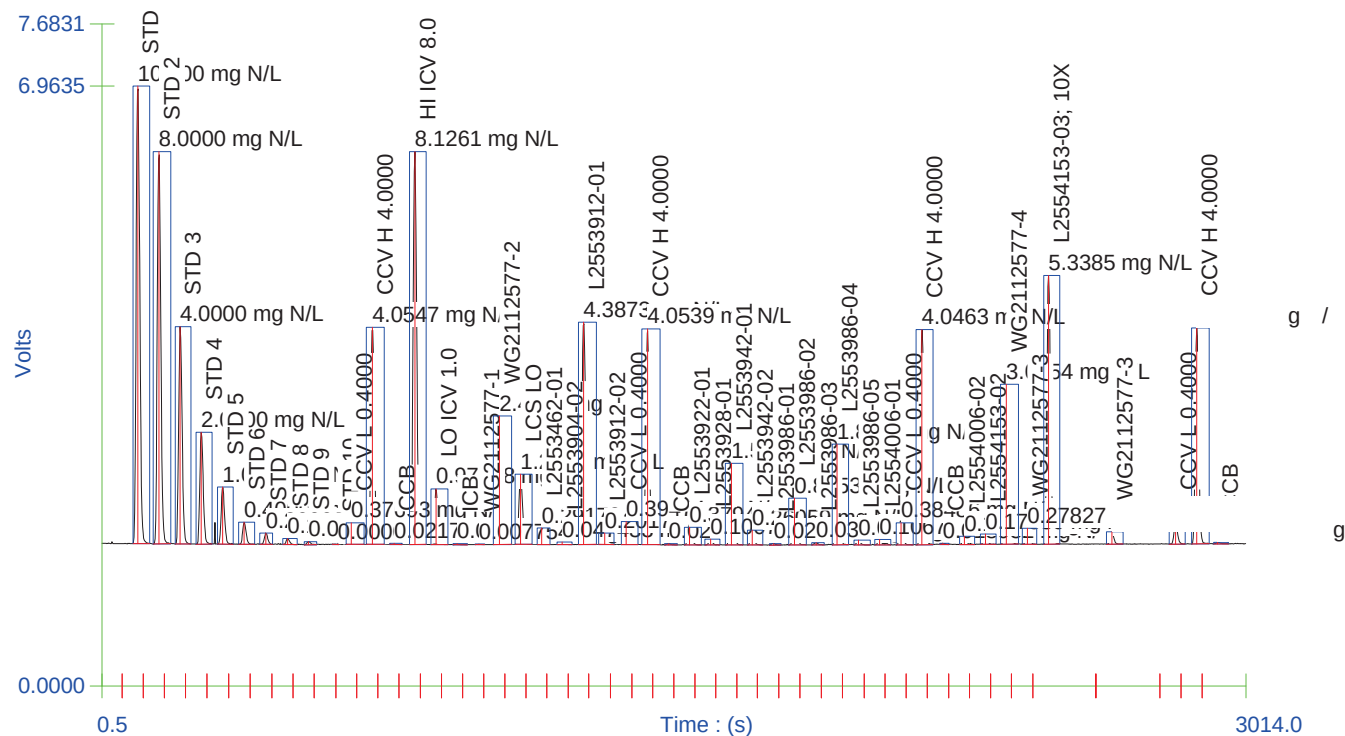


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.893	5.3130	0.0	0.3	9.9348	9/10/2025	9:33:26 AM
2	8.0000	1	49.067	4.5509	0.0	-0.3	8.0559	9/10/2025	9:34:22 AM
3	4.0000	1	26.294	2.5223	0.0	-0.6	4.0412	9/10/2025	9:35:18 AM
4	2.0000	1	13.517	1.2983	0.0	-0.1	1.9964	9/10/2025	9:36:14 AM
5	1.0000	1	6.8271	0.66237	0.0	0.7	0.98539	9/10/2025	9:37:10 AM
6	0.40000	1	2.7088	0.25640	0.0	3.2	0.38333	9/10/2025	9:38:07 AM
7	0.20000	1	1.3785	0.12992	0.0	3.0	0.19217	9/10/2025	9:39:04 AM
8	0.10000	1	0.73590	0.069233	0.0	-0.8	0.10041	9/10/2025	9:40:02 AM
9	0.050000	1	0.42909	0.034325	0.0	-11.8	0.056735	9/10/2025	9:40:57 AM
10	0.0000	1	0.011170	0.0030097			-0.0026211	9/10/2025	9:41:53 AM

Area = $-0.10425 * \text{Conc}^2 + 6.9448 * \text{Conc} + 0.036858$
Conc = $0.00045738 * \text{Area}^2 + 0.14183 * \text{Area} - 0.0042055$
Correlation Coefficient (r) = 1.00000
Weighting : 1/x

Concentration (mg N/L)	Peak Area (V.s)
0.0000	0.0000
0.0001	0.0001
0.0002	0.0002
0.0005	0.0005
0.0010	0.0010
0.0020	0.0020
0.0050	0.0050
0.0100	0.0100

Original Run Filename: OM_9-10-2025_10-28-10AM.OMN Created: 9/10/2025 10:28:10 AM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-10-2025_10-28-10AM.OMN Last Modified: 9/10/2025 11:11:00 AM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight	TRAY B
CCV L 0.4000	1	S6	0.37929				95%
		Known Conc:	0.40000				
CCV H 4.0000	1	S3	4.0662				102%
		Known Conc:	4.0000				
		Calibration:	Table/Fig. : 1				
CCB	1	S10	0.016830				
		Known Conc:	0.0000				
WG2112756-1	1	1	0.016054		1.50		
WG2112756-2	1	2	17.948		7.50		90%
LCS LO	1	3	1.7316		1.50		87%
L2554130-04	1	7	0.095166		1.50		
L2554130-05	1	8	0.043391		1.50		
L2554130-06	1	9	0.019783		1.50		
L2554130-07	1	10	0.023113		1.50		
L2554130-08	1	11	0.0041110		1.50		
L2554130-09	1	12	0.023816		1.50		
L2554130-10	1	13	0.015201		1.50		
CCV L 0.4000	1	S6	0.37740				94%
		Known Conc:	0.40000				
CCV H 4.0000	1	S3	4.0791				102%
		Known Conc:	4.0000				
CCB	1	S10	0.020263				
		Known Conc:	0.0000				
L2554130-01	1	4	0.029510		1.50		
L2554130-02	1	5	0.023388		1.50		
L2554130-03	1	6	0.034832		1.50		
L2554130-11	1	14	0.076522		1.50		
L2554178-01	1	15	0.088012		1.50		
L2554178-02	1	16	1.6714		1.50		
L2554178-03	1	17	2.6125		1.50		
L2554178-04	1	18	1.1105		1.50		
L2554179-01	1	19	0.35905		1.50		
L2554181-01	1	20	0.15060		1.50		
CCV L 0.4000	1	S6	0.38378				96%
		Known Conc:	0.40000				
CCV H 4.0000	1	S3	4.0598				101%
		Known Conc:	4.0000				
CCB	1	S10	0.022870				
		Known Conc:	0.0000				
WG2112756-4	1	21	4.2383		1.50		102%
X WG2112756-3	1	22	0.25072		1.50		RERUN
L2554187-01	1	23	0.68305		1.50		
X L2556545-02; 50X	1	24	1.7094		75.00		RERUN W/O DIL
X L2556555-01; 50X	1	25	0.80729		75.00		RERUN W/O DIL
WG2112756-3	1	22	0.12512		1.50		RPD=18%
L2556545-02	1	24	0.59925		1.50		
L2556555-01	1	25	0.54008		1.50		
CCV L 0.4000	1	S6	0.37846				95%
		Known Conc:	0.40000				
CCV H 4.0000	1	S3	4.0472				101%
		Known Conc:	4.0000				
CCB	1	S10	0.021644				
		Known Conc:	0.0000				

Original Run Filename: OM_9-10-2025_11-45-45AM.OMN Created: 9/10/2025 11:45:45 AM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-10-2025_11-45-45AM.OMN Last Modified: 9/10/2025 12:00:53 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight	TRAY C
			LOW NH3 (mg N/L)				
CCV L 0.4000	1	S6	0.37317				93%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0545				101%
Known Conc:			4.0000				
Calibration:			Table/Fig. : 1				
CCB	1	S10	0.019157				
Known Conc:			0.0000				
WG2112581-1 T	1	1	0.027217				
WG2112581-2 T	1	2	36.078		15.00		90%
LCS LO T	1	3	3.8391		3.00		96%
L2553742-01 T	1	4	0.63391		3.00		
L2553742-02 T	1	5	0.27367		3.00		
L2553861-01 T	1	6	2.0564		3.00		
L2553861-02 T	1	7	0.82314		3.00		
L2553861-03 T	1	8	0.82179		3.00		
L2553861-04 T	1	9	0.098211		3.00		
L2553862-01 T	1	10	5.0948		3.00		
CCV L 0.4000	1	S6	0.44263				111%, RERUN OK
Known Conc:			0.40000				

Channel 1 (Ammonia Low) - Current View

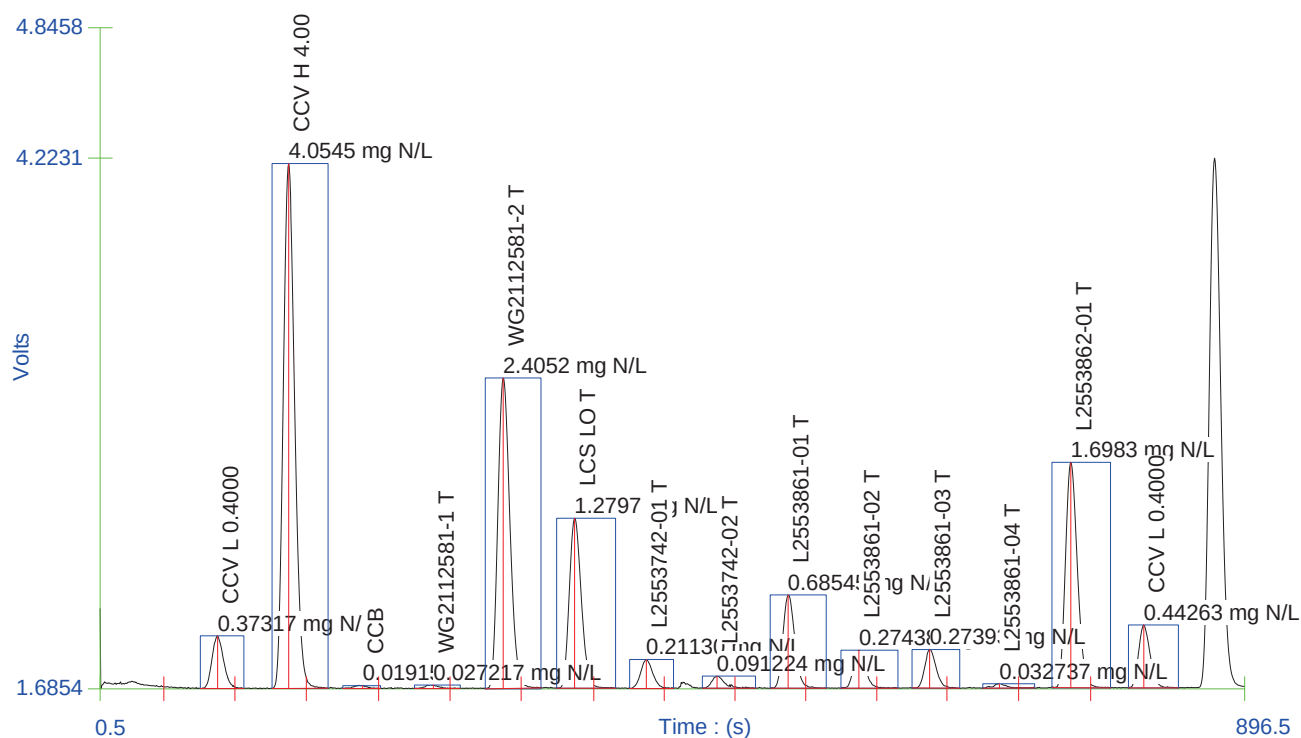
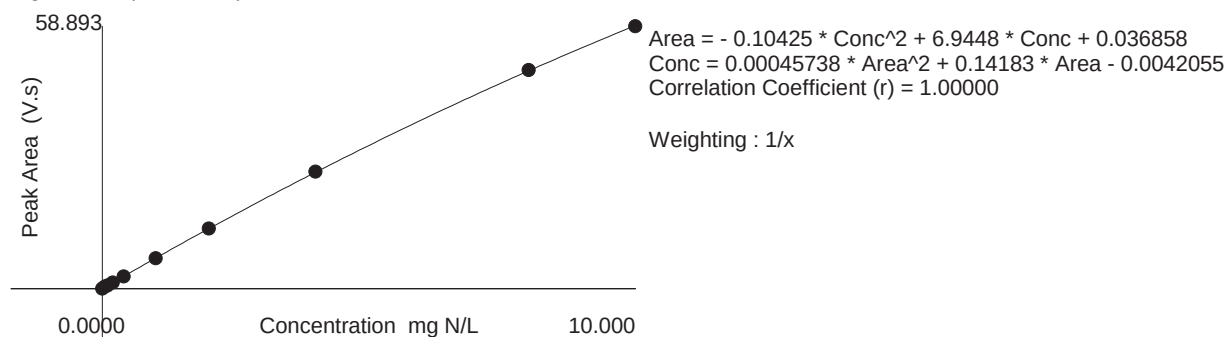


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.893	5.3130	0.0	0.3	9.9348	9/10/2025	9:33:26 AM
2	8.0000	1	49.067	4.5509	0.0	-0.3	8.0559	9/10/2025	9:34:22 AM
3	4.0000	1	26.294	2.5223	0.0	-0.6	4.0412	9/10/2025	9:35:18 AM
4	2.0000	1	13.517	1.2983	0.0	-0.1	1.9964	9/10/2025	9:36:14 AM
5	1.0000	1	6.8271	0.66237	0.0	0.7	0.98539	9/10/2025	9:37:10 AM
6	0.40000	1	2.7088	0.25640	0.0	3.2	0.38333	9/10/2025	9:38:07 AM
7	0.20000	1	1.3785	0.12992	0.0	3.0	0.19217	9/10/2025	9:39:04 AM
8	0.10000	1	0.73590	0.069233	0.0	-0.8	0.10041	9/10/2025	9:40:02 AM
9	0.050000	1	0.42909	0.034325	0.0	-11.8	0.056735	9/10/2025	9:40:57 AM
10	0.0000	1	0.011170	0.0030097			-0.0026211	9/10/2025	9:41:53 AM

Figure : 1 (LOW NH3)



Original Run Filename: OM_9-10-2025_12-02-42PM.OMN Created: 9/10/2025 12:02:42 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-10-2025_12-02-42PM.OMN Last Modified: 9/10/2025 12:26:56 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight	TRAY C
			LOW NH3 (mg N/L)				
CCV L 0.4000	1	S6	0.38514				96%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0295				101%
Known Conc:			4.0000				
Calibration:			Table/Fig. : 1				
CCB	1	S10	0.026792				
Known Conc:			0.0000				
L2553862-02 T	1	11	1.8105		3.00		
WG2112581-4 T	1	12	9.9551		3.00		102%
X WG2112581-3 T	1	13	2.4370		3.00		RERUN
L2553862-03 T	1	14	5.4590		3.00		
L2553862-04 T	1	15	0.42171		3.00		
L2554996-01 T	1	16	0.23183		3.00		
L2554996-02 T	1	17	0.20433		3.00		
L2554996-03 T	1	18	0.19005		3.00		
L2554996-04 T	1	19	0.13229		3.00		
L2555281-08 T	1	20	0.15855		3.00		
CCV L 0.4000	1	S6	0.38015				
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0476				
Known Conc:			4.0000				
CCB	1	S10	0.023695				
Known Conc:			0.0000				
WG2112581-3 T	1	13	2.0824		3.00		RPD=14%
CCV L 0.4000	1	S6	0.38382				96%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0180				100%
Known Conc:			4.0000				
CCB	1	S10	0.024936				
Known Conc:			0.0000				

Channel 1 (Ammonia Low) - Current View

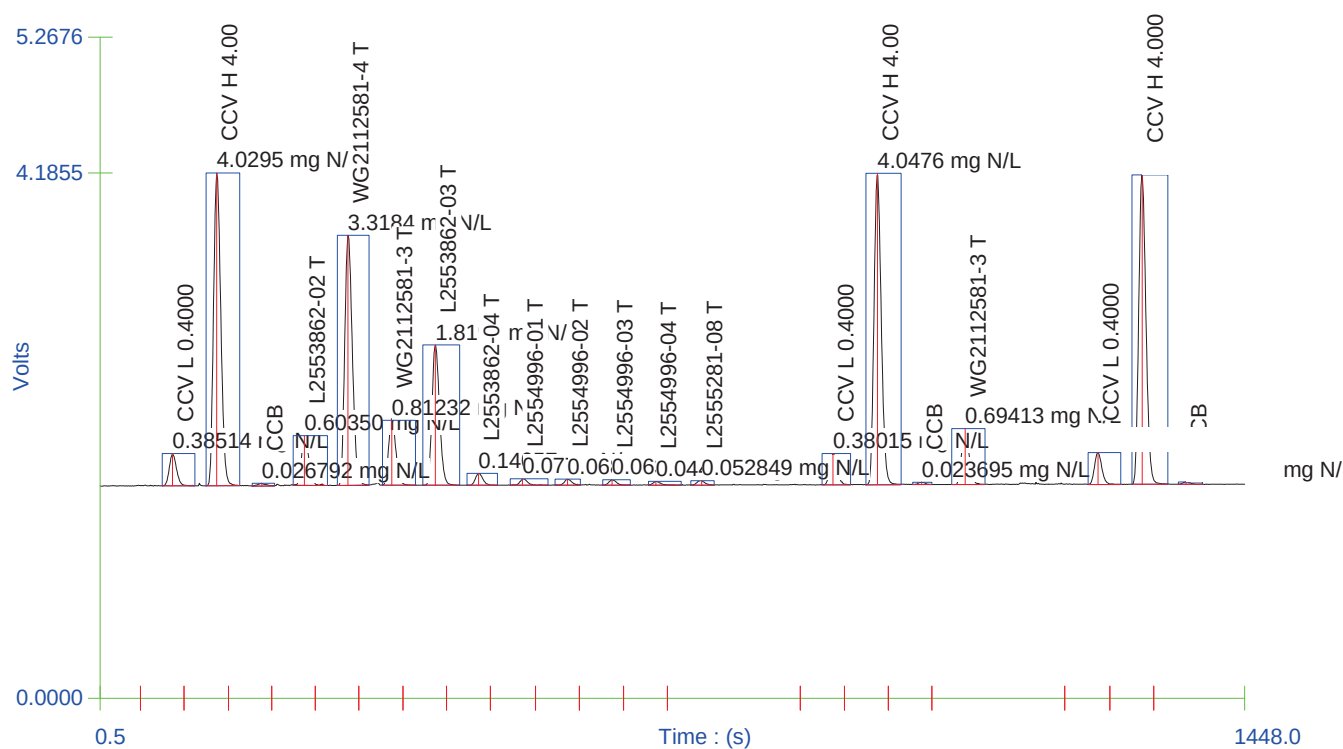
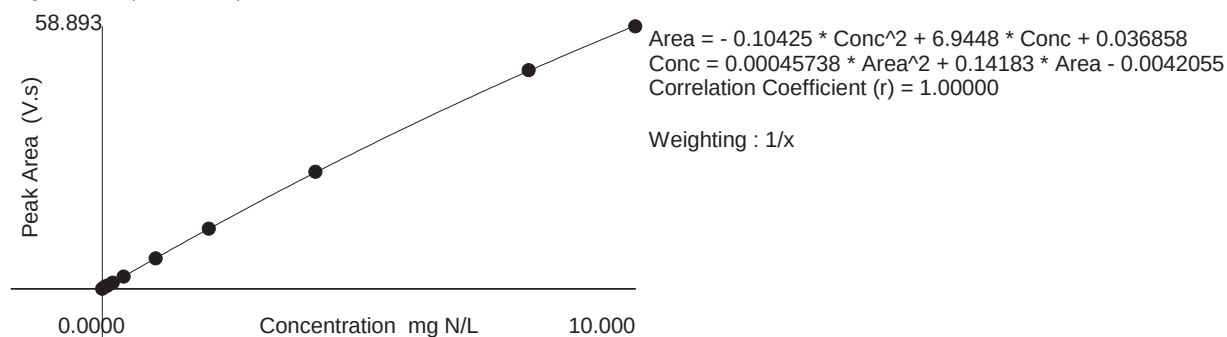


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.0000	1	58.893	5.3130	0.0	0.3	9.9348	9/10/2025	9:33:26 AM
2	8.0000	1	49.067	4.5509	0.0	-0.3	8.0559	9/10/2025	9:34:22 AM
3	4.0000	1	26.294	2.5223	0.0	-0.6	4.0412	9/10/2025	9:35:18 AM
4	2.0000	1	13.517	1.2983	0.0	-0.1	1.9964	9/10/2025	9:36:14 AM
5	1.0000	1	6.8271	0.66237	0.0	0.7	0.98539	9/10/2025	9:37:10 AM
6	0.40000	1	2.7088	0.25640	0.0	3.2	0.38333	9/10/2025	9:38:07 AM
7	0.20000	1	1.3785	0.12992	0.0	3.0	0.19217	9/10/2025	9:39:04 AM
8	0.10000	1	0.73590	0.069233	0.0	-0.8	0.10041	9/10/2025	9:40:02 AM
9	0.050000	1	0.42909	0.034325	0.0	-11.8	0.056735	9/10/2025	9:40:57 AM
10	0.0000	1	0.011170	0.0030097			-0.0026211	9/10/2025	9:41:53 AM

Figure : 1 (LOW NH3)



Original Run Filename: OM_9-10-2025_01-32-43PM.OMN Created: 9/10/2025 1:32:43 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-10-2025_01-32-43PM.OMN Last Modified: 9/10/2025 2:08:05 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight	TRAY D
CCV L 0.4000	1	S6	0.36953				92%
Known Conc:			0.40000				
Calibration:			Table/Fig. : 1				
CCV H 4.0000	1	S3	4.0212				101%
Known Conc:			4.0000				
CCB	1	S10	0.024558				
Known Conc:			0.0000				
WG2112586-1 T	1	1	0.028734				
WG2112586-2 T	1	2	36.965		15.00		92%
LCS LO T	1	3	3.8584		3.00		96%
L2553769-01 T	1	4	2.3438		3.00		
WG2112586-4 T	1	5	11.079		3.00		109%
WG2112586-3 T	1	6	2.5857		3.00		RPD=10%
L2553819-05 T	1	7	0.28818		3.00		
L2553819-06 T	1	8	0.51993		3.00		
L2553819-07 T	1	9	0.47507		3.00		
L2553819-08 T	1	10	0.20220		3.00		
CCV L 0.4000	1	S6	0.38332				96%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0943				102%
Known Conc:			4.0000				
CCB	1	S10	0.021666				
Known Conc:			0.0000				
L2553819-10 T	1	12	0.10595		3.00		
L2553819-09 T	1	11	0.13487		3.00		
L2553847-01 T	1	13	0.82997		3.00		
L2553847-02 T	1	14	80.322		6.00		
L2553859-01 T	1	15	2.3564		3.00		
L2553859-02 T	1	16	1.5575		3.00		
L2553859-03 T	1	17	0.53698		3.00		
L2553859-04 T	1	18	0.43935		3.00		
L2554111-01 T	1	19	952.64		150.00		
L2554172-02 T	1	20	1.9545		3.00		
CCV L 0.4000	1	S6	0.42279				106%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0605				102%
Known Conc:			4.0000				
CCB	1	S10	0.036358				
Known Conc:			0.0000				
L2553847-02 T; 10X	1	14	80.979		60.00		
L2553859-01 T	1	15	1.3403		3.00		
CCV L 0.4000	1	S6	0.39178				98%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0592				101%
Known Conc:			4.0000				
CCB	1	S10	0.024291				
Known Conc:			0.0000				

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.893	5.3130	0.0	0.3	9.9348	9/10/2025	9:33:26 AM
2	8.0000	1	49.067	4.5509	0.0	-0.3	8.0559	9/10/2025	9:34:22 AM
3	4.0000	1	26.294	2.5223	0.0	-0.6	4.0412	9/10/2025	9:35:18 AM
4	2.0000	1	13.517	1.2983	0.0	-0.1	1.9964	9/10/2025	9:36:14 AM
5	1.0000	1	6.8271	0.66237	0.0	0.7	0.98539	9/10/2025	9:37:10 AM
6	0.40000	1	2.7088	0.25640	0.0	3.2	0.38333	9/10/2025	9:38:07 AM
7	0.20000	1	1.3785	0.12992	0.0	3.0	0.19217	9/10/2025	9:39:04 AM
8	0.10000	1	0.73590	0.069233	0.0	-0.8	0.10041	9/10/2025	9:40:02 AM
9	0.050000	1	0.42909	0.034325	0.0	-11.8	0.056735	9/10/2025	9:40:57 AM
10	0.0000	1	0.011170	0.0030097			-0.0026211	9/10/2025	9:41:53 AM

Area = $-0.10425 * \text{Conc}^2 + 6.9448 * \text{Conc} + 0.036858$
Conc = $0.00045738 * \text{Area}^2 + 0.14183 * \text{Area} - 0.0042055$
Correlation Coefficient (r) = 1.00000
Weighting : 1/x

Concentration (mg N/L)	Peak Area (V.s)
0.0000	0.0000
0.0001	0.0000
0.0002	0.0000
0.0005	0.0000
0.0010	0.0000
0.0020	0.0000
0.0050	0.0000

Original Run Filename: OM_9-10-2025_02-09-24PM.OMN Created: 9/10/2025 2:09:24 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-10-2025_02-09-24PM.OMN Last Modified: 9/10/2025 2:40:09 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight	TRAY E
CCV L 0.4000	1	S6	0.38230				96%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0359				101%
Known Conc:			4.0000				
Calibration:			Table/Fig. : 1				
CCB	1	S10	0.026721				
Known Conc:			0.0000				
WG2112744-1 T	1	1	0.044482				
WG2112744-2 T	1	2	37.310		15.00		93%
LCS LO T	1	3	4.1974		3.00		105%
L2554074-01 T	1	4	0.42719		3.00		
L2554074-02 T	1	5	0.98195		3.00		
L2554140-01 T	1	6	0.55174		3.00		
L2554140-02 T	1	7	0.77824		3.00		
L2554140-03 T	1	8	1.3865		3.00		
L2554140-04 T	1	9	3.2266		3.00		
L2554140-06 T	1	10	0.56127		3.00		
CCV L 0.4000	1	S6	0.38989				97%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0475				101%
Known Conc:			4.0000				
CCB	1	S10	0.031093				
Known Conc:			0.0000				
L2555605-01 T	1	11	0.097611		3.00		
L2555605-02 T	1	12	0.040935		3.00		
WG2112744-4 T	1	13	0.062245		3.00		0%
WG2112744-3 T	1	14	0.021942		3.00		RPD=NC
L2555605-03 T	1	15	0.017917		3.00		
L2555605-04 T	1	16	0.23465		3.00		
L2555605-05 T	1	17	0.040520		3.00		
L2555605-06 T	1	18	0.034707		3.00		
L2555605-07 T	1	19	0.011991		3.00		
L2555605-08 T	1	20	0.034600		3.00		
CCV L 0.4000	1	S6	0.37611				94%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	4.0030				100%
Known Conc:			4.0000				
CCB	1	S10	0.031576				
Known Conc:			0.0000				

Channel 1 (Ammonia Low) - Current View

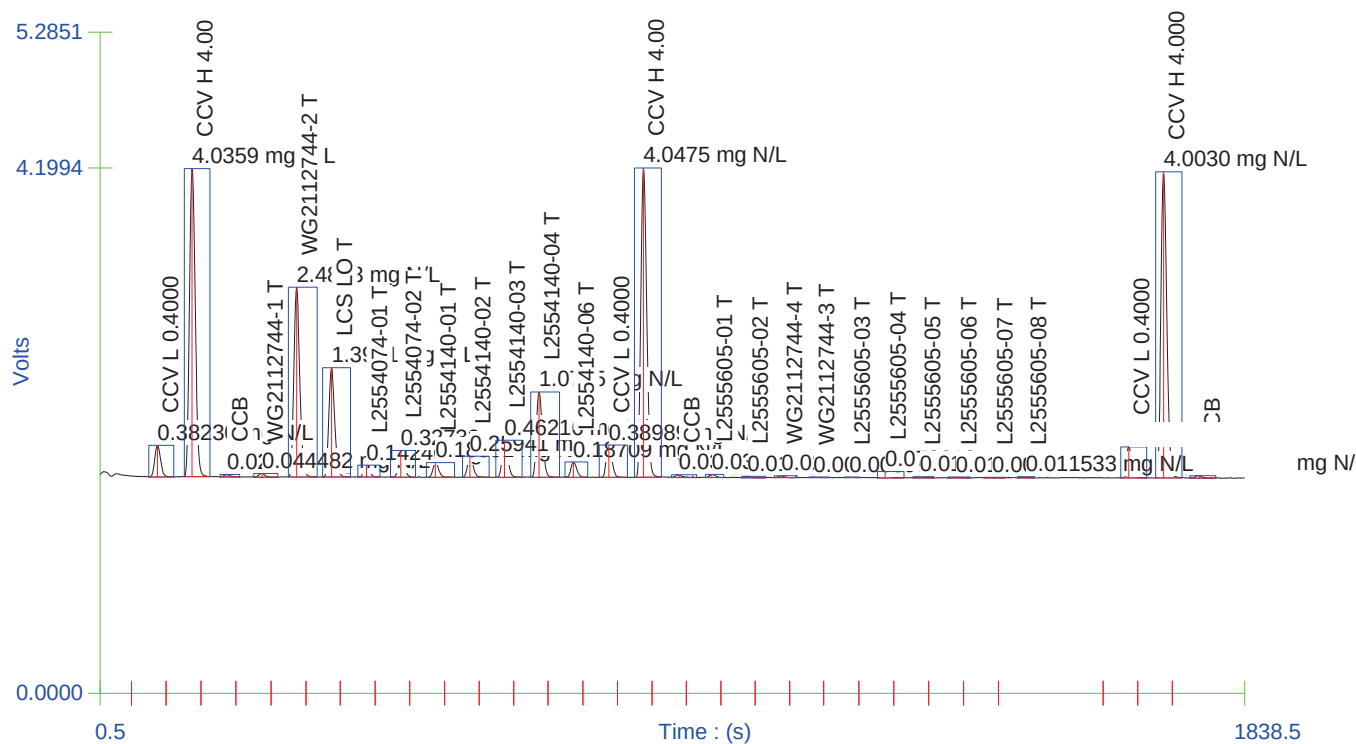
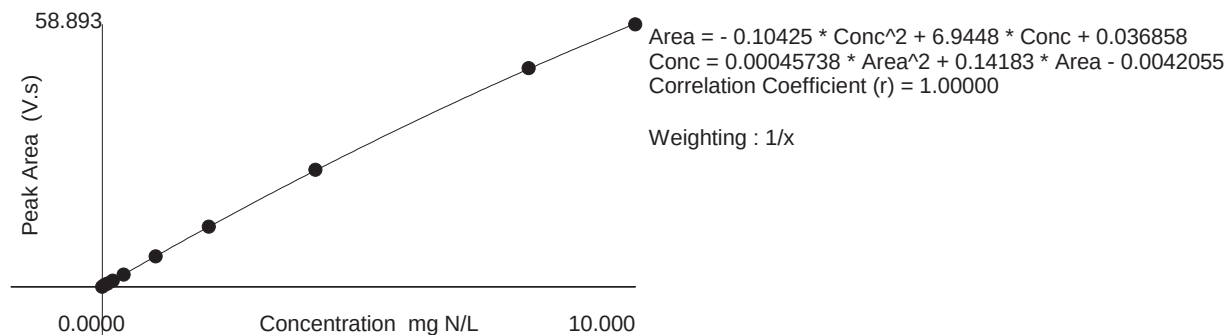


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.0000	1	58.893	5.3130	0.0	0.3	9.9348	9/10/2025	9:33:26 AM
2	8.0000	1	49.067	4.5509	0.0	-0.3	8.0559	9/10/2025	9:34:22 AM
3	4.0000	1	26.294	2.5223	0.0	-0.6	4.0412	9/10/2025	9:35:18 AM
4	2.0000	1	13.517	1.2983	0.0	-0.1	1.9964	9/10/2025	9:36:14 AM
5	1.0000	1	6.8271	0.66237	0.0	0.7	0.98539	9/10/2025	9:37:10 AM
6	0.40000	1	2.7088	0.25640	0.0	3.2	0.38333	9/10/2025	9:38:07 AM
7	0.20000	1	1.3785	0.12992	0.0	3.0	0.19217	9/10/2025	9:39:04 AM
8	0.10000	1	0.73590	0.069233	0.0	-0.8	0.10041	9/10/2025	9:40:02 AM
9	0.050000	1	0.42909	0.034325	0.0	-11.8	0.056735	9/10/2025	9:40:57 AM
10	0.0000	1	0.011170	0.0030097			-0.0026211	9/10/2025	9:41:53 AM

Figure : 1 (LOW NH3)



Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2112744-4
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/10/25 14:27
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			%R	Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)			Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Nitrogen, Total Kjeldahl	ND	8	ND	0	Q					77-111	24

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/10/25 14:26
Dup Sample ID	: WG2112744-3	DUP Analysis Date	: 09/10/25 14:27

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Total Kjeldahl	ND	ND	NC	24

Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112744-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/10/25 14:14
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Total Kjeldahl	40.0	37.3	93.					78-122	24

Calculations of Nitrogen in TKN

Aqueous samples:

Compute sample TKN –N concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

If the sample has a concentration of less than 2ppm, calculate results by using the low curve generated on Channel 1.

If the sample concentration is greater than 2ppm, calculate the results by using the high curve generated on Channel 2.

To Compute the final results for aqueous samples, multiply the direct reading by the dilution factor based on the initial preparation volume. (also done using software)

$$\text{TKN-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

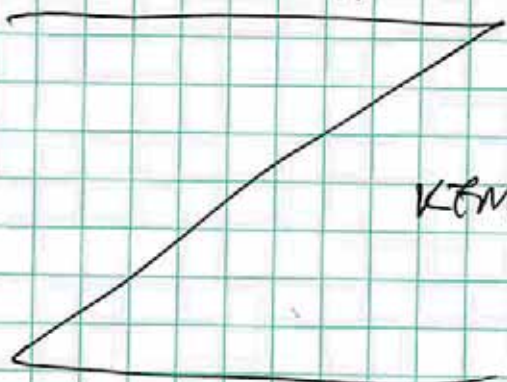
Tray A (9-27-47AM)
prep 9/9/25 @ 21:49

1 Hi Icv 8.0
2 Lo Icv 1.0
3 ICB
4 W62112577-1:Blk
5 -2: LCH₂ 5X
6 LCH₂ Lo
7 5346201
8 5390402
9 5391201
10 02
11 5392201
12 5392801 (5X)
13 5394201 (5X)
14 02
15 5390601
16 02
17 03
18 04
19 05
20 5400601
21 02
22 5415302
23 02 MS
24 03-02 Dup; remn
25 03; 10x 17/10

Tray B (10-28-10AM)
prep 9/10/25 @ 8:25

1 W62112756-1:Blk
2 -2: LCH₂ 5X
3 LCH₂ Lo
4 5413001
5 02
6 03
7 04
8 05
9 06
10 07
11 08
12 09
13 10
14 11
15 5417801
16 02
17 03
18 04
19 5417901
20 5418101
21 01 MS
22 01 Dup; remn
23 5418701
24 5654502 ^{7M} 50x 1150
25 5655501; 50x 1150 ^{KEM}

Date: 9/10/25
Sodium Phenolate: 9/12/25 R-498
Sodium Hypochlorate: 9/12/25 stopshop
Sodium Nitroprusside: 9/12/25 R-3969
Boric Acid Soln.: 9/12/25 R-4266
ICV 1.0: 9/5/25 WC-3621
ICV 8.0: 9/5/25 WC-3624
Cal. Std: 9/12/25 WC-3624
See Front Page for Instructions:



From Page No. _____

Tray C (11-45-45AM, 12-02-42PM)
prep 9/9/25 @ 22:12

1	WG2112581-IT.Blk
2	-2T. LCS HI; 5X
3	LCS Lo T
4	53742 01T
5	02T
6	53861 01T
7	02T
8	03T
9	04T
10	53862 01T
11	02T
12	02T MS
13	02T Dup; remn
14	03T
15	04T
16	54996 01T
17	02T
18	03T
19	04T
20	55281 08T

KCM

Tray D (01-32-43PM)
prep 9/9/25 @ 22:19

1	WG2112586-IT.Blk
2	-2T. LCS HI; 5X
3	LCS Lo T
4	53769 01T
5	01T MS
6	01T Dup
7	53819 05T
8	06T
9	07T
10	08T
11	09T
12	10T
13	53847 01T
14	02T (2x); 10x 1↑10
15	53859 01T
16	02T
17	03T
18	04T
19	54111 01T (5Dx)
20	54172 02T

KCM

To Page No. _____

Witnessed & Understood by me,

Date _____

Invented by: _____

Date _____

Recorded by: _____

TITLE NH3 9/10/25 RSM cont.

Project No. _____

Book No. _____

From Page No. _____

Tray E (02-03-24PM)
prep 9/10/25 @ 7:55

1	W62112744-IT, Blk
2	-2T; LCS Hi; 5X
3	LCS Lo T
4	54074-01T
5	02T
6	54140-01T
7	02T
8	03T
9	04T
10	06T
11	55605-01T
12	02T
13	02T MS
14	02T Dup
15	03T
16	04T
17	05T
18	06T
19	07T
20	08T

Tray F
prep 9/10/25 @ 8:05

1	W62112746-IT, Blk
2	-2T; LCS Hi; 5X
3	LCS Lo T
4	53688-01T
5	01T MS
6	01T Dup
7	02T
8	03T
9	04T
10	05T
11	06T
12	07T
13	08T
14	53751-01T
15	02T
16	03T
17	04T
18	05T
19	06T
20	53928-01T (10x)

LTM

To Page No. _____

Witnessed & Understood by me, _____

Date _____

Invented by: _____

Date _____

Recorded by: _____

Sample Preparation

Project No. _____

Book No. _____

WG2112744 TLE

From Page No. _____

Samples

Blank

Low

High

12554074-01

-02

4140-01

-02

-03

-04

-06

5605-01

-02 PM

-02 WP

-02 WS

-03

-04

-05

-06

-07

-08

Vol
50 mLDil
1XFinal vol
150 mL

TKN PREP:

9-10-25 7:55 AMT

TKN- 9-8-25 -200PPM LCSTKN- 8-22-25 -200PPM MSTKN- 9-10-25 -A -ALKALITKN- 8-30-25 -B -DIGESTIONTKN- 4-2-25 -H2SO4 6NTKN- 3-1-25 -HgSO4

To Page No. _____

Witnessed & Understood by me,

Date

Invented by:

Date

Recorded by:

Nitrate and Nitrite Analysis

Results

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111362-1
Client ID : WG2111362-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/06/25 03:12
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111362-3
Client ID : MW-8DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/06/25 03:31
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	1.85	0.100	0.022	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	4.34	0.100	0.022	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 04:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	6.23	0.100	0.022	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	1.41	0.100	0.022	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	4.03	0.100	0.022	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	3.85	0.100	0.022	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	3.12	0.100	0.022	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	2.18	0.100	0.022	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111365-1
Client ID : WG2111365-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/06/25 03:17
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	ND	0.100	0.022	U



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111365-3
 Client ID : MW-8DDUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500NO3-F
 Lab File ID : NO3250906-A1
 Sample Amount :
 Digestion Method :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 08:45
 Date Received : 09/04/25
 Date Analyzed : 09/06/25 03:29
 Dilution Factor : 1
 Analyst : KAF
 Instrument ID : FIA1
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	4.42	0.100	0.023	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	1.8	0.10	0.046	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	4.3	0.10	0.046	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 04:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	6.2	0.10	0.046	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	1.4	0.10	0.046	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	4.0	0.10	0.046	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	3.8	0.10	0.046	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	3.1	0.10	0.046	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 03:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-A1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	2.2	0.10	0.046	

Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111367-1
Client ID : WG2111367-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/06/25 03:19
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111367-3
Client ID : MW-8DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/06/25 03:29
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	4.4	0.10	0.05	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111367-5
Client ID : WG2111367-5 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/03/25 11:30
Date Received : 09/03/25
Date Analyzed : 09/06/25 04:23
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	3.3	0.10	0.05	



Sample Raw Data

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:36:52

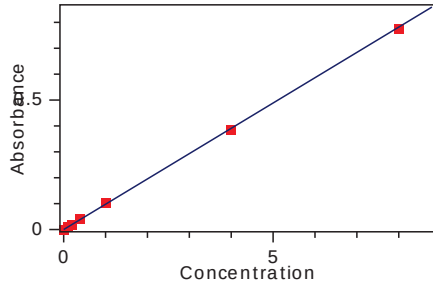
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
---------	--

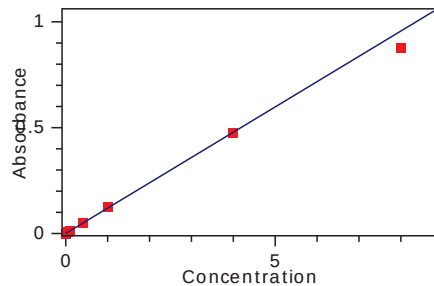
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
2	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	2025-09-06T02:36:37
3	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	2025-09-06T02:37:47
4	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	2025-09-06T02:38:53
5	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	2025-09-06T02:40:01
6	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	2025-09-06T02:41:10
7	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	2025-09-06T02:42:20
8	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	2025-09-06T02:43:35



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
9	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	2025-09-06T02:44:29
10	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	2025-09-06T02:45:38
11	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	2025-09-06T02:46:44
12	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	2025-09-06T02:47:54
13	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	2025-09-06T02:49:03
14	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	2025-09-06T02:50:12
15	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	2025-09-06T02:51:25

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0016		2025-09-06T02:35:24
NOx 8.0ppm	2	Standard	8	0.7727	1	1	1	7.9067		2025-09-06T02:36:37
NOx 4.0ppm	3	Standard	4	0.3851	1	1	1	3.9415		2025-09-06T02:37:47
NOx 1.0ppm	4	Standard	1	0.1029	1	1	1	1.0532		2025-09-06T02:38:53
NOx 0.4ppm	5	Standard	0.4	0.0388	1	1	1	0.3970		2025-09-06T02:40:01
NOx 0.2ppm	6	Standard	0.2	0.0191	1	1	1	0.1958		2025-09-06T02:41:10
NOx 0.1ppm	7	Standard	0.1	0.0098	1	1	1	0.1009		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	0	0.0001	1	1	1	0.0009		2025-09-06T02:43:35
Nitrite 8.0ppm	9	Standard	?	0.7839	1	1	1	8.0215	OVR	2025-09-06T02:44:41
Nitrite 4.0ppm	10	Standard	?	0.4203	1	1	1	4.3015		2025-09-06T02:45:50
Nitrite 1.0ppm	11	Standard	?	0.1108	1	1	1	1.1337		2025-09-06T02:46:57
Nitrite 0.4ppm	12	Standard	?	0.0435	1	1	1	0.4457		2025-09-06T02:48:05
Nitrite 0.1ppm	13	Standard	?	0.0108	1	1	1	0.1111		2025-09-06T02:49:15
Nitrite 0.05ppm	14	Standard	?	0.0053	1	1	1	0.0548		2025-09-06T02:50:24
Nitrite 0.0ppm	15	Standard	?	0.0001	1	1	1	0.0015		2025-09-06T02:51:36
CCV NO3	16	QC	1	0.1042	1	1	1	1.0665		2025-09-06T02:52:41
CCV NO2	17	QC	?	0.1105	1	1	1	1.1307		2025-09-06T02:53:46
CCB	18	QC	0	0.0007	1	1	1	0.0072		2025-09-06T02:55:01
ICV NO3 5.0	19	QC	5	0.4780	1	1	1	4.8918		2025-09-06T02:56:03
ICV NO2 5.0	20	QC	?	0.4943	1	1	1	5.0583		2025-09-06T02:57:12
ICV NO3 0.5	21	QC	0.5	0.0478	1	1	1	0.4897		2025-09-06T02:58:20
ICV NO2 0.5	22	QC	?	0.0503	1	1	1	0.5150		2025-09-06T02:59:29
ICB	23	QC	0	0.0004	1	1	1	0.0042		2025-09-06T03:00:44
Diluter CHK 8PPM	24	Unknown	?	0.1602	1	5	1	8.1992		2025-09-06T03:01:47
BLANK NO3	25	Unknown	?	0.0000	1	1	1	0.0002		2025-09-06T03:02:28
LCS NO3	26	Unknown	?	0.4786	1	1	1	4.8980		2025-09-06T03:04:01
BLANK NO2	27	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:04:40
LCS NO2	28	Unknown	?	0.4978	1	1	1	5.0944		2025-09-06T03:06:13
CCV NO3	29	QC	1	0.1047	1	1	1	1.0720		2025-09-06T03:07:19
CCV NO2	30	QC	?	0.1107	1	1	1	1.1331		2025-09-06T03:08:24
CCB	31	QC	0	0.0008	1	1	1	0.0091		2025-09-06T03:09:42
WG2111361-1	32	Unknown	?	0.0001	1	1	1	0.0015		2025-09-06T03:10:50

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111361-2	33	Unknown	?	0.4962	1	1	1	5.0778		2025-09-06T03:11:49
WG2111362/363-1	34	Unknown	?	0.0004	1	1	1	0.0046		2025-09-06T03:13:01
WG2111362/363-2	35	Unknown	?	0.4980	1	1	1	5.0965		2025-09-06T03:14:00
WG2111364-1	36	Unknown	?	0.0008	1	1	1	0.0084		2025-09-06T03:15:11
WG2111364-2	37	Unknown	?	0.4784	1	1	1	4.8962		2025-09-06T03:16:11
WG2111365/363/368-1	38	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:16:51
WG2111365/365/368-2	39	Unknown	?	0.4809	1	1	1	4.9214		2025-09-06T03:18:24
WG2111367-1	40	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:19:04
WG2111367-2	41	Unknown	?	0.4806	1	1	1	4.9186		2025-09-06T03:20:37
CCV NO3	42	QC	1	0.1034	1	1	1	1.0588		2025-09-06T03:21:42
CCV NO2	43	QC	?	0.1110	1	1	1	1.1358		2025-09-06T03:22:48
CCB	44	QC	0	0.0008	1	1	1	0.0084		2025-09-06T03:24:04
WG2111369-1	45	Unknown	?	0.0001	1	1	1	0.0011		2025-09-06T03:25:18
WG2111369-2	46	Unknown	?	0.4799	1	1	1	4.9115		2025-09-06T03:26:15
L2555605-01N	47	Unknown	?	0.1811	1	1	1	1.8537		2025-09-06T03:27:20
L2555605-02N	48	Unknown	?	0.4244	1	1	1	4.3434		2025-09-06T03:28:26
WG2111365/367-3	49	Unknown	?	0.4315	1	1	1	4.4157		2025-09-06T03:29:31
WG2111365/367-4	50	Unknown	?	0.7718	1	1	1	7.8977		2025-09-06T03:30:36
WG2111362-3	51	Unknown	?	0.4289	1	1	1	4.3891		2025-09-06T03:31:41
WG2111362-4	52	Unknown	?	0.7838	1	1	1	8.0211	OVR	2025-09-06T03:32:45
L2zzP605-03N	53	Unknown	?	0.6040	1	1	1	6.1813		2025-09-06T03:33:49
L2555605-04N	54	Unknown	?	0.1376	1	1	1	1.4085		2025-09-06T03:34:53
CCV NO3	55	QC	1	0.1043	1	1	1	1.0678		2025-09-06T03:35:57
CCV NO2	56	QC	?	0.1087	1	1	1	1.1124		2025-09-06T03:37:03
CCB	57	QC	0	0.0000	1	1	1	0.0005		2025-09-06T03:38:15
L2555605-05N	58	Unknown	?	0.3941	1	1	1	4.0333		2025-09-06T03:39:20
L2555605-06N	59	Unknown	?	0.3762	1	1	1	3.8504		2025-09-06T03:40:27
L2555605-07N	60	Unknown	?	0.3048	1	1	1	3.1191		2025-09-06T03:41:33
L2555605-08N	61	Unknown	?	0.2131	1	1	1	2.1808		2025-09-06T03:42:39
L2555382-01A	62	Unknown	?	0.0296	1	1	1	0.3034		2025-09-06T03:43:45
L2555382-02A	63	Unknown	?	0.0302	1	1	1	0.3089		2025-09-06T03:44:51
L2555382-03A	64	Unknown	?	0.0312	1	1	1	0.3196		2025-09-06T03:45:56
L2555382-04A	65	Unknown	?	0.0313	1	1	1	0.3206		2025-09-06T03:47:02

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555459-01S	66	Unknown	?	0.0000	1	1	1	0.0003		2025-09-06T03:48:10
L2555956-01F	67	Unknown	?	0.0028	1	1	1	0.0289		2025-09-06T03:49:12
CCV NO3	68	QC	1	0.1048	1	1	1	1.0727		2025-09-06T03:50:17
CCV NO2	69	QC	?	0.1086	1	1	1	1.1118		2025-09-06T03:51:22
CCB	70	QC	0	0.0001	1	1	1	0.0010		2025-09-06T03:52:33
WG2111364-3	71	Unknown	?	0.0012	1	1	1	0.0124		2025-09-06T03:53:40
WG2111364-4	72	Unknown	?	0.4267	1	1	1	4.3664		2025-09-06T03:54:46
WG2111361-3	73	Unknown	?	-0.0001	1	1	1	-0.0012		2025-09-06T03:55:22
WG2111361-4	74	Unknown	?	0.4276	1	1	1	4.3755		2025-09-06T03:56:55
L2555956-02F	75	Unknown	?	0.0011	1	1	1	0.0121		2025-09-06T03:57:59
L2555956-03F	76	Unknown	?	0.0020	1	1	1	0.0209		2025-09-06T03:59:04
L2555956-04F	77	Unknown	?	0.0028	1	1	1	0.0287		2025-09-06T04:00:11
L2555622-01A	78	Unknown	?	0.0294	1	1	1	0.3014		2025-09-06T04:01:17
WG2111366/368-3	79	Unknown	?	0.0290	1	1	1	0.2972		2025-09-06T04:02:24
WG2111366/368-4	80	Unknown	?	0.4710	1	1	1	4.8202		2025-09-06T04:03:29
CCV NO3	81	QC	1	0.1028	1	1	1	1.0521		2025-09-06T04:04:35
CCV NO2	82	QC	?	0.1070	1	1	1	1.0956		2025-09-06T04:05:40
CCB	83	QC	0	0.0000	1	1	1	0.0005		2025-09-06T04:06:52
WG2111363-3	84	Unknown	?	0.0290	1	1	1	0.2967		2025-09-06T04:08:00
WG2111363-4	85	Unknown	?	0.4910	1	1	1	5.0245		2025-09-06T04:09:08
L2555671-01C	86	Unknown	?	0.0158	1	1	1	0.1619		2025-09-06T04:10:12
WG2111369-3	87	Unknown	?	0.0154	1	1	1	0.1580		2025-09-06T04:11:18
WG2111369-4	88	Unknown	?	0.4023	1	1	1	4.1166		2025-09-06T04:12:23
L2555671-02C	89	Unknown	?	0.0157	1	1	1	0.1610		2025-09-06T04:13:27
L2555671-03C	90	Unknown	?	0.0202	1	1	1	0.2069		2025-09-06T04:14:32
L2555671-04C	91	Unknown	?	0.0196	1	1	1	0.2010		2025-09-06T04:15:36
L2555260-01C	92	Unknown	?	0.0054	1	1	1	0.0560		2025-09-06T04:16:40
L2555260-03C	93	Unknown	?	0.0192	1	1	1	0.1965		2025-09-06T04:17:44
CCV NO3	94	QC	1	0.1043	1	1	1	1.0676		2025-09-06T04:18:49
CCV NO2	95	QC	?	0.1073	1	1	1	1.0988		2025-09-06T04:19:53
CCB	96	QC	0	0.0001	1	1	1	0.0011		2025-09-06T04:21:06
L2555260-05C	97	Unknown	?	0.3199	1	1	1	3.2737		2025-09-06T04:22:15
WG2111367-5	98	Unknown	?	0.3193	1	1	1	3.2676		2025-09-06T04:23:23

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111367-6	99	Unknown	?	0.6875	1	1	1	7.0356		2025-09-06T04:24:29
L2554370-01L	100	Unknown	?	0.0141	1	1	1	0.1448		2025-09-06T04:25:35
L2554370-02L	101	Unknown	?	0.0066	1	1	1	0.0684		2025-09-06T04:26:42
L2554370-03L	102	Unknown	?	0.0041	1	1	1	0.0420		2025-09-06T04:27:47
L2554370-04L	103	Unknown	?	0.0037	1	1	1	0.0387		2025-09-06T04:28:53
L2554370-05L	104	Unknown	?	0.0507	1	1	1	0.5194		2025-09-06T04:29:58
L2554370-06L	105	Unknown	?	0.0064	1	1	1	0.0656		2025-09-06T04:31:04
L2554370-07L	106	Unknown	?	0.0620	1	1	1	0.6352		2025-09-06T04:32:08
CCV NO3	107	QC	1	0.1039	1	1	1	1.0630		2025-09-06T04:33:12
CCV NO2	108	QC	?	0.1091	1	1	1	1.1170		2025-09-06T04:34:18
CCB	109	QC	0	0.0001	1	1	1	0.0013		2025-09-06T04:35:31
L2554370-08L	110	Unknown	?	0.1470	1	1	1	1.5044		2025-09-06T04:36:34
L2554370-09L	111	Unknown	?	0.0040	1	1	1	0.0411		2025-09-06T04:37:38
L2554370-10L	112	Unknown	?	0.0258	1	1	1	0.2644		2025-09-06T04:38:44
L2554370-11L	113	Unknown	?	0.5415	1	1	1	5.5415		2025-09-06T04:39:48
L2554370-12L	114	Unknown	?	0.0615	1	1	1	0.6300		2025-09-06T04:40:52
L2554785-01A	115	Unknown	?	0.2051	1	1	1	2.0992		2025-09-06T04:41:58
L2554788-02C	116	Unknown	?	0.2074	1	1	1	2.1222		2025-09-06T04:43:04
L2555529-01K	117	Unknown	?	0.0069	1	1	1	0.0708		2025-09-06T04:44:11
L2555569-01E	118	Unknown	?	0.0261	1	1	1	0.2673		2025-09-06T04:45:18
L2555092-01A	119	Unknown	?	0.1806	1	1	1	1.8486		2025-09-06T04:46:23
CCV NO3	120	QC	1	0.1052	1	1	1	1.0769		2025-09-06T04:47:29
CCV NO2	121	QC	?	0.1123	1	1	1	1.1494		2025-09-06T04:48:34
CCB	122	QC	0	0.0011	1	1	1	0.0118		2025-09-06T04:49:51
L2555902-02H	123	Unknown	?	0.0064	1	1	1	0.0660		2025-09-06T04:50:54
L2555951-01D	124	Unknown	?	0.0045	1	1	1	0.0459		2025-09-06T04:52:01
L2555605-03N	125	Unknown	?	0.6090	1	1	1	6.2317		2025-09-06T04:53:06
CCV NO3	126	QC	1	0.1030	1	1	1	1.0547		2025-09-06T04:54:10
CCV NO2	127	QC	?	0.1081	1	1	1	1.1061		2025-09-06T04:55:15
CCB	128	QC	0	0.0000	1	1	1	0.0002		2025-09-06T04:55:59
Unknown1	129	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T05:05:08
spacer	130	Unknown	?	0.0007	1	1	1	0.0076		2025-09-06T05:06:43
spacer	131	Unknown	?	0.0002	1	1	1	0.0028		2025-09-06T05:07:47

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111362-4	132	Unknown	?	0.0017	1	10	1	0.1768		2025-09-06T05:08:47
WG2111365/367-4	133	Unknown	?	0.0012	1	5	1	0.0623		2025-09-06T05:09:55
CCV NO3	134	QC	1	0.1033	1	1	1	1.0572		2025-09-06T05:11:05
CCV NO2	135	QC	?	0.1108	1	1	1	1.1342		2025-09-06T05:12:11
CCB	136	QC	0	0.0006	1	1	1	0.0069		2025-09-06T05:13:27

Channel: 2-NO2

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T02:35:20
NOx 8.0ppm	2	Standard	?	0.0001	1	1	1	-0.0036		2025-09-06T02:36:59
NOx 4.0ppm	3	Standard	?	0.0001	1	1	1	-0.0041		2025-09-06T02:37:34
NOx 1.0ppm	4	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:38:54
NOx 0.4ppm	5	Standard	?	0.0001	1	1	1	-0.0043		2025-09-06T02:39:54
NOx 0.2ppm	6	Standard	?	0.0001	1	1	1	-0.0044		2025-09-06T02:41:31
NOx 0.1ppm	7	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	?	0.0000	1	1	1	-0.0044		2025-09-06T02:43:22
Nitrite 8.0ppm	9	Standard	8	0.8762	1	1	1	7.3279		2025-09-06T02:44:29
Nitrite 4.0ppm	10	Standard	4	0.4744	1	1	1	3.9657		2025-09-06T02:45:38
Nitrite 1.0ppm	11	Standard	1	0.1269	1	1	1	1.0571		2025-09-06T02:46:44
Nitrite 0.4ppm	12	Standard	0.4	0.0510	1	1	1	0.4222		2025-09-06T02:47:54
Nitrite 0.1ppm	13	Standard	0.1	0.0130	1	1	1	0.1041		2025-09-06T02:49:03
Nitrite 0.05ppm	14	Standard	0.05	0.0064	1	1	1	0.0486		2025-09-06T02:50:12
Nitrite 0.0ppm	15	Standard	0	0.0000	1	1	1	-0.0046		2025-09-06T02:51:25
CCV NO3	16	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T02:52:39
CCV NO2	17	QC	1	0.1268	1	1	1	1.0566		2025-09-06T02:53:33
CCB	18	QC	0	0.0004	1	1	1	-0.0017		2025-09-06T02:54:44
ICV NO3 5.0	19	QC	?	0.0001	1	1	1	-0.0042		2025-09-06T02:55:50
ICV NO2 5.0	20	QC	5	0.5629	1	1	1	4.7060		2025-09-06T02:57:01
ICV NO3 0.5	21	QC	?	0.0012	1	1	1	0.0055		2025-09-06T02:58:08
ICV NO2 0.5	22	QC	0.5	0.0590	1	1	1	0.4893		2025-09-06T02:59:17
ICB	23	QC	0	0.0002	1	1	1	-0.0034		2025-09-06T03:00:26
Diluter CHK 8PPM	24	Unknown	?	0.0001	1	5	1	-0.0196		2025-09-06T03:01:35
BLANK NO3	25	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:03:00
LCS NO3	26	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T03:03:48
BLANK NO2	27	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:05:18
LCS NO2	28	Unknown	?	0.5650	1	1	1	4.7233		2025-09-06T03:06:00
CCV NO3	29	QC	?	0.0015	1	1	1	0.0079		2025-09-06T03:07:06
CCV NO2	30	QC	1	0.1261	1	1	1	1.0505		2025-09-06T03:08:11
CCB	31	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:09:22
WG2111361-1	32	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:10:30
WG2111361-2	33	Unknown	?	0.5668	1	1	1	4.7382		2025-09-06T03:11:36
WG2111362/363-1	34	Unknown	?	0.0013	1	1	1	0.0057		2025-09-06T03:12:42
WG2111362/363-2	35	Unknown	?	0.5688	1	1	1	4.7555		2025-09-06T03:13:46
WG2111364-1	36	Unknown	?	0.0014	1	1	1	0.0073		2025-09-06T03:14:51
WG2111364-2	37	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:15:58
WG2111365/363/368-1	38	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:17:07
WG2111365/365/368-2	39	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:18:11
WG2111367-1	40	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:19:47
WG2111367-2	41	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:21:01
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T03:21:33
CCV NO2	43	QC	1	0.1268	1	1	1	1.0563		2025-09-06T03:22:35
CCB	44	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:23:47
WG2111369-1	45	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:24:53
WG2111369-2	46	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:25:59
L2555605-01N	47	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:27:07
L2555605-02N	48	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:28:13
WG2111365/367-3	49	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:29:20
WG2111365/367-4	50	Unknown	?	0.0022	1	1	1	0.0133		2025-09-06T03:30:23
WG2111362-3	51	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:31:27
WG2111362-4	52	Unknown	?	0.4568	1	1	1	3.8181		2025-09-06T03:32:32
L2zzP605-03N	53	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:33:34
L2555605-04N	54	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:34:39
CCV NO3	55	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T03:35:44
CCV NO2	56	QC	1	0.1274	1	1	1	1.0614		2025-09-06T03:36:50
CCB	57	QC	0	0.0001	1	1	1	-0.0039		2025-09-06T03:37:59
L2555605-05N	58	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T03:39:19

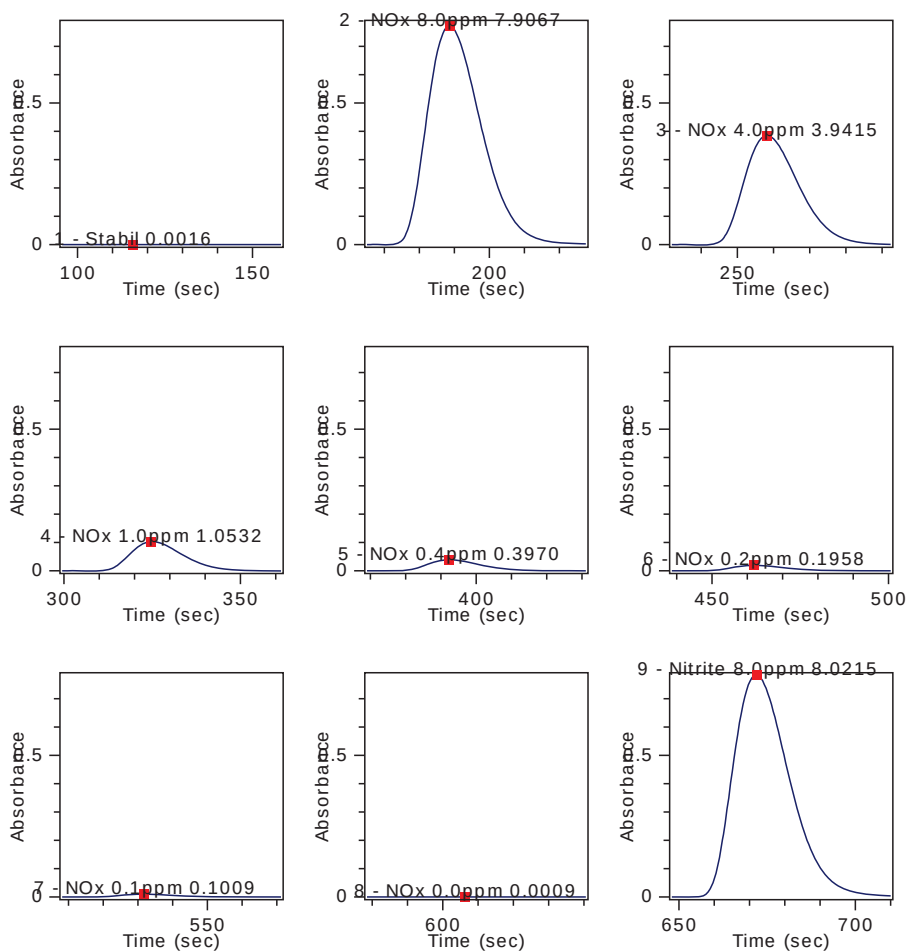
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555605-06N	59	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:40:12
L2555605-07N	60	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:41:20
L2555605-08N	61	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:42:29
L2555382-01A	62	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:43:33
L2555382-02A	63	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:44:38
L2555382-03A	64	Unknown	?	0.0022	1	1	1	0.0136		2025-09-06T03:45:44
L2555382-04A	65	Unknown	?	0.0022	1	1	1	0.0134		2025-09-06T03:46:49
L2555459-01S	66	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:48:11
L2555956-01F	67	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:48:59
CCV NO3	68	QC	?	0.0003	1	1	1	-0.0021		2025-09-06T03:50:44
CCV NO2	69	QC	1	0.1276	1	1	1	1.0628		2025-09-06T03:51:10
CCB	70	QC	0	0.0001	1	1	1	-0.0037		2025-09-06T03:52:19
WG2111364-3	71	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:53:24
WG2111364-4	72	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T03:54:29
WG2111361-3	73	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:55:36
WG2111361-4	74	Unknown	?	0.5039	1	1	1	4.2121		2025-09-06T03:56:41
L2555956-02F	75	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:57:43
L2555956-03F	76	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:58:50
L2555956-04F	77	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T03:59:58
L2555622-01A	78	Unknown	?	0.0088	1	1	1	0.0684		2025-09-06T04:01:05
WG2111366/368-3	79	Unknown	?	0.0088	1	1	1	0.0687		2025-09-06T04:02:11
WG2111366/368-4	80	Unknown	?	0.0086	1	1	1	0.0675		2025-09-06T04:03:17
CCV NO3	81	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T04:04:21
CCV NO2	82	QC	1	0.1286	1	1	1	1.0712		2025-09-06T04:05:27
CCB	83	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:06:37
WG2111363-3	84	Unknown	?	0.0088	1	1	1	0.0686		2025-09-06T04:07:47
WG2111363-4	85	Unknown	?	0.5440	1	1	1	4.5480		2025-09-06T04:08:54
L2555671-01C	86	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:09:59
WG2111369-3	87	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:11:04
WG2111369-4	88	Unknown	?	0.0028	1	1	1	0.0185		2025-09-06T04:12:10
L2555671-02C	89	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:13:15
L2555671-03C	90	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:14:17
L2555671-04C	91	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:15:24

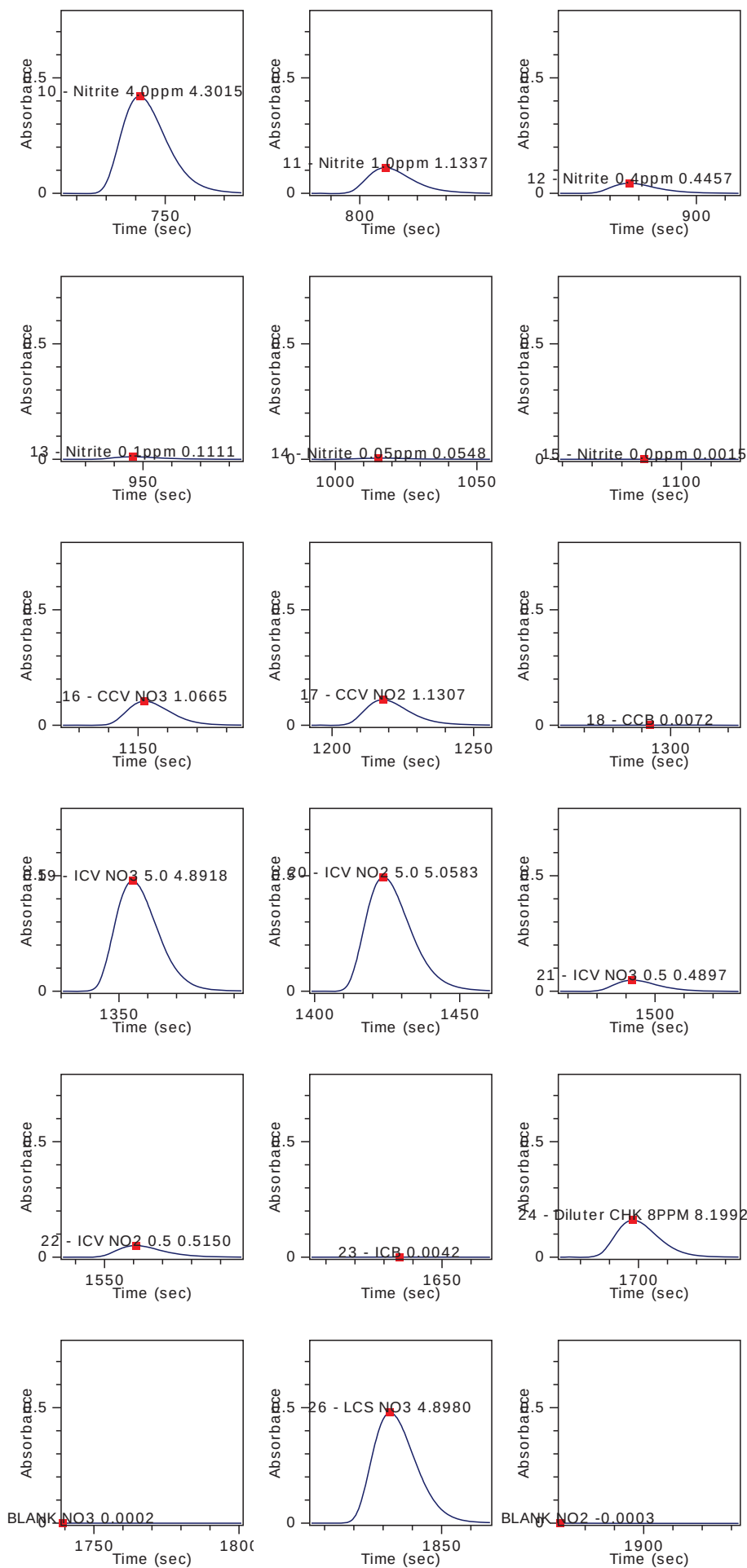
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L2555260-01C	92	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T04:16:25
L2555260-03C	93	Unknown	?	0.0003	1	1	1	-0.0026		2025-09-06T04:17:30
CCV NO3	94	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T04:18:38
CCV NO2	95	QC	1	0.1278	1	1	1	1.0648		2025-09-06T04:19:40
CCB	96	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:20:53
L2555260-05C	97	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T04:22:01
WG2111367-5	98	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:23:08
WG2111367-6	99	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:24:16
L2554370-01L	100	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:25:23
L2554370-02L	101	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T04:26:28
L2554370-03L	102	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:27:34
L2554370-04L	103	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:28:40
L2554370-05L	104	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:29:43
L2554370-06L	105	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:30:49
L2554370-07L	106	Unknown	?	0.0003	1	1	1	-0.0021		2025-09-06T04:31:55
CCV NO3	107	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:33:05
CCV NO2	108	QC	1	0.1280	1	1	1	1.0664		2025-09-06T04:34:05
CCB	109	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:35:13
L2554370-08L	110	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:36:20
L2554370-09L	111	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T04:37:25
L2554370-10L	112	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:38:29
L2554370-11L	113	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:39:33
L2554370-12L	114	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T04:40:34
L2554785-01A	115	Unknown	?	0.0003	1	1	1	-0.0019		2025-09-06T04:41:45
L2554788-02C	116	Unknown	?	0.0007	1	1	1	0.0012		2025-09-06T04:42:52
L2555529-01K	117	Unknown	?	0.0006	1	1	1	0.0004		2025-09-06T04:43:57
L2555569-01E	118	Unknown	?	0.0003	1	1	1	-0.0025		2025-09-06T04:45:04
L2555092-01A	119	Unknown	?	0.0017	1	1	1	0.0092		2025-09-06T04:46:11
CCV NO3	120	QC	?	0.0001	1	1	1	-0.0041		2025-09-06T04:47:17
CCV NO2	121	QC	1	0.1287	1	1	1	1.0720		2025-09-06T04:48:21
CCB	122	QC	0	0.0007	1	1	1	0.0012		2025-09-06T04:49:32
L2555902-02H	123	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:50:40
L2555951-01D	124	Unknown	?	0.0004	1	1	1	-0.0015		2025-09-06T04:51:49

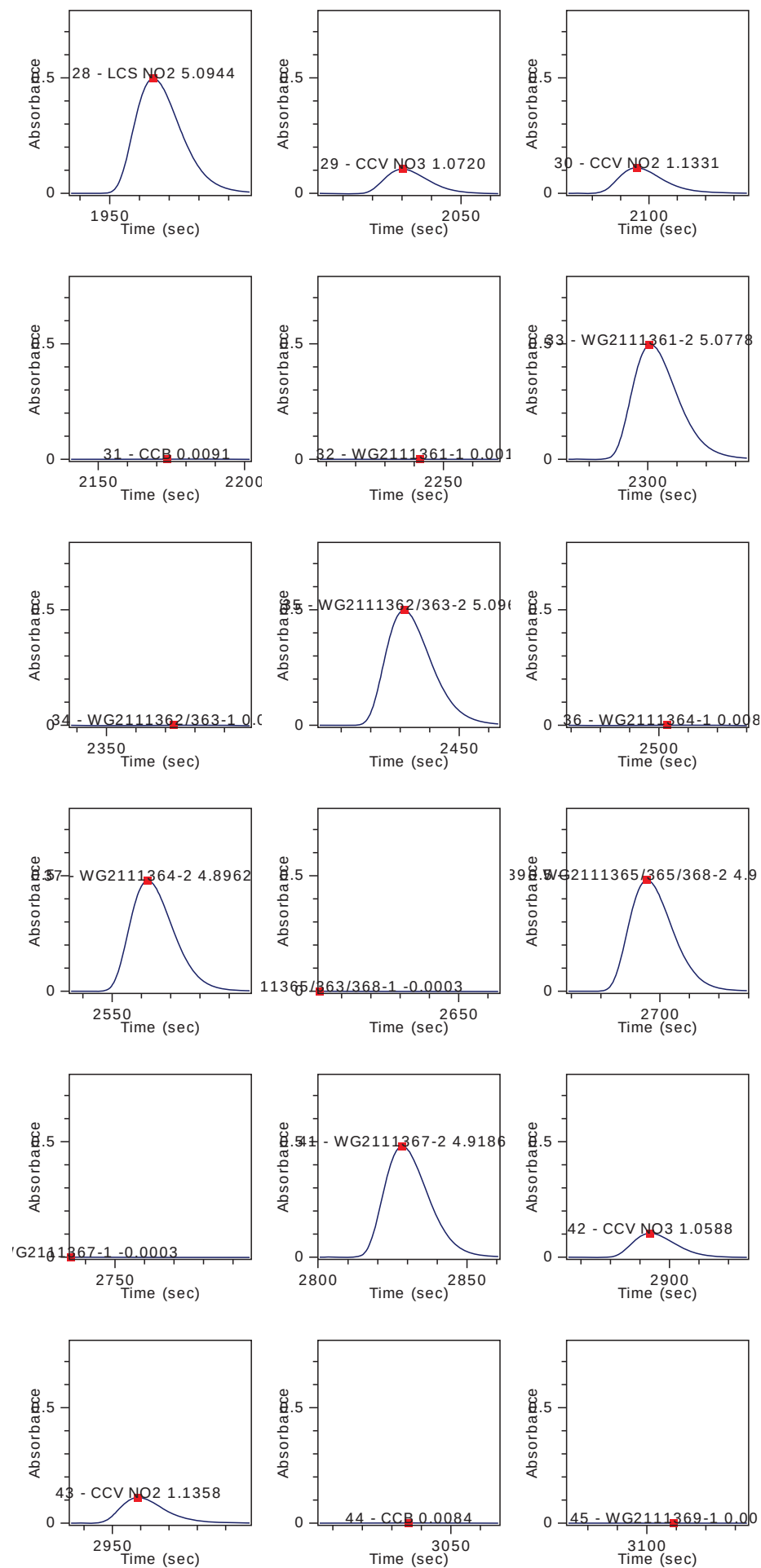
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CCV NO3	126	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:53:59
CCV NO2	127	QC	1	0.1292	1	1	1	1.0766		2025-09-06T04:55:03
CCB	128	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:56:16
Unknown1	129	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T05:06:03
spacer	130	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:06:29
spacer	131	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:07:34
WG2111362-4	132	Unknown	?	0.0016	1	10	1	0.0863		2025-09-06T05:08:43
WG2111365/367-4	133	Unknown	?	0.0019	1	5	1	0.0544		2025-09-06T05:09:51
CCV NO3	134	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T05:10:46
CCV NO2	135	QC	1	0.1283	1	1	1	1.0687		2025-09-06T05:11:59
CCB	136	QC	0	0.0008	1	1	1	0.0016		2025-09-06T05:13:09

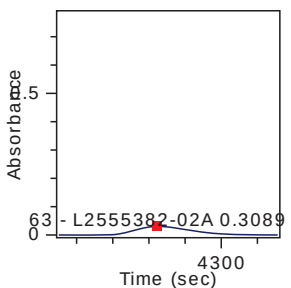
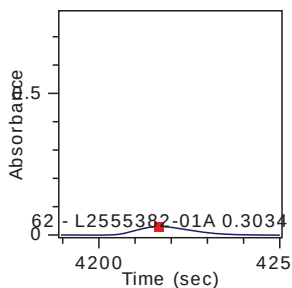
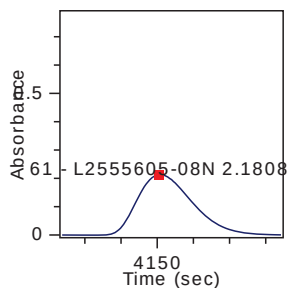
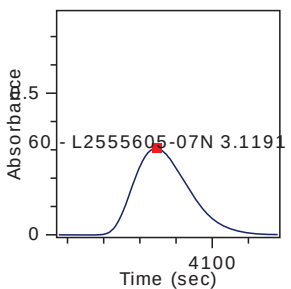
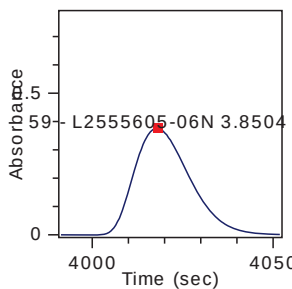
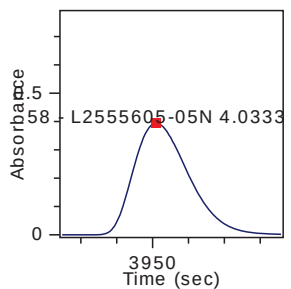
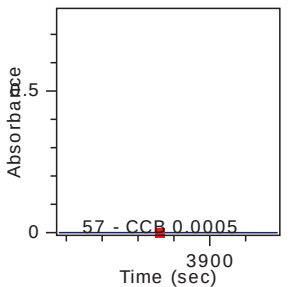
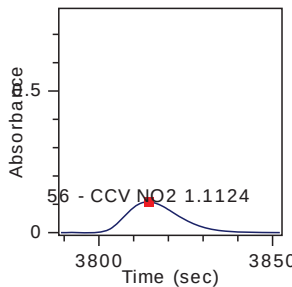
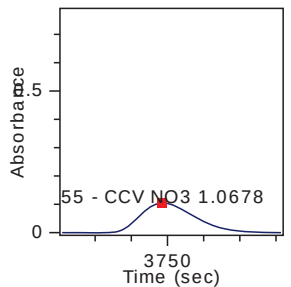
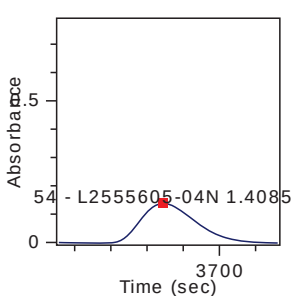
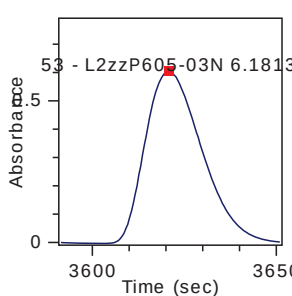
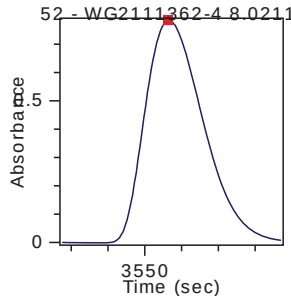
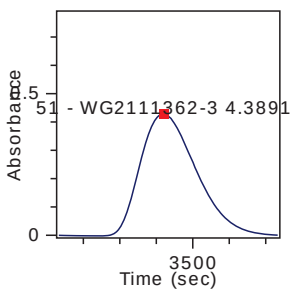
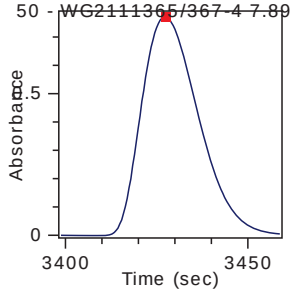
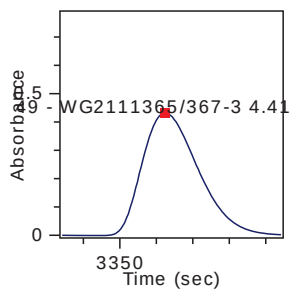
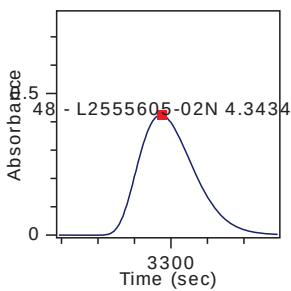
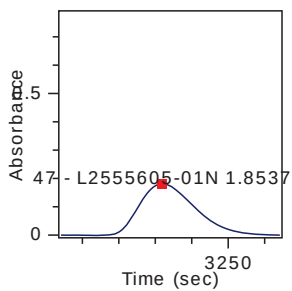
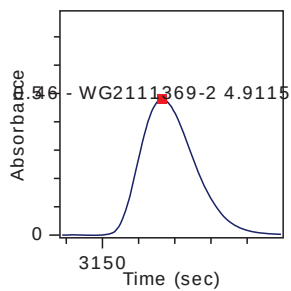
Peaks:

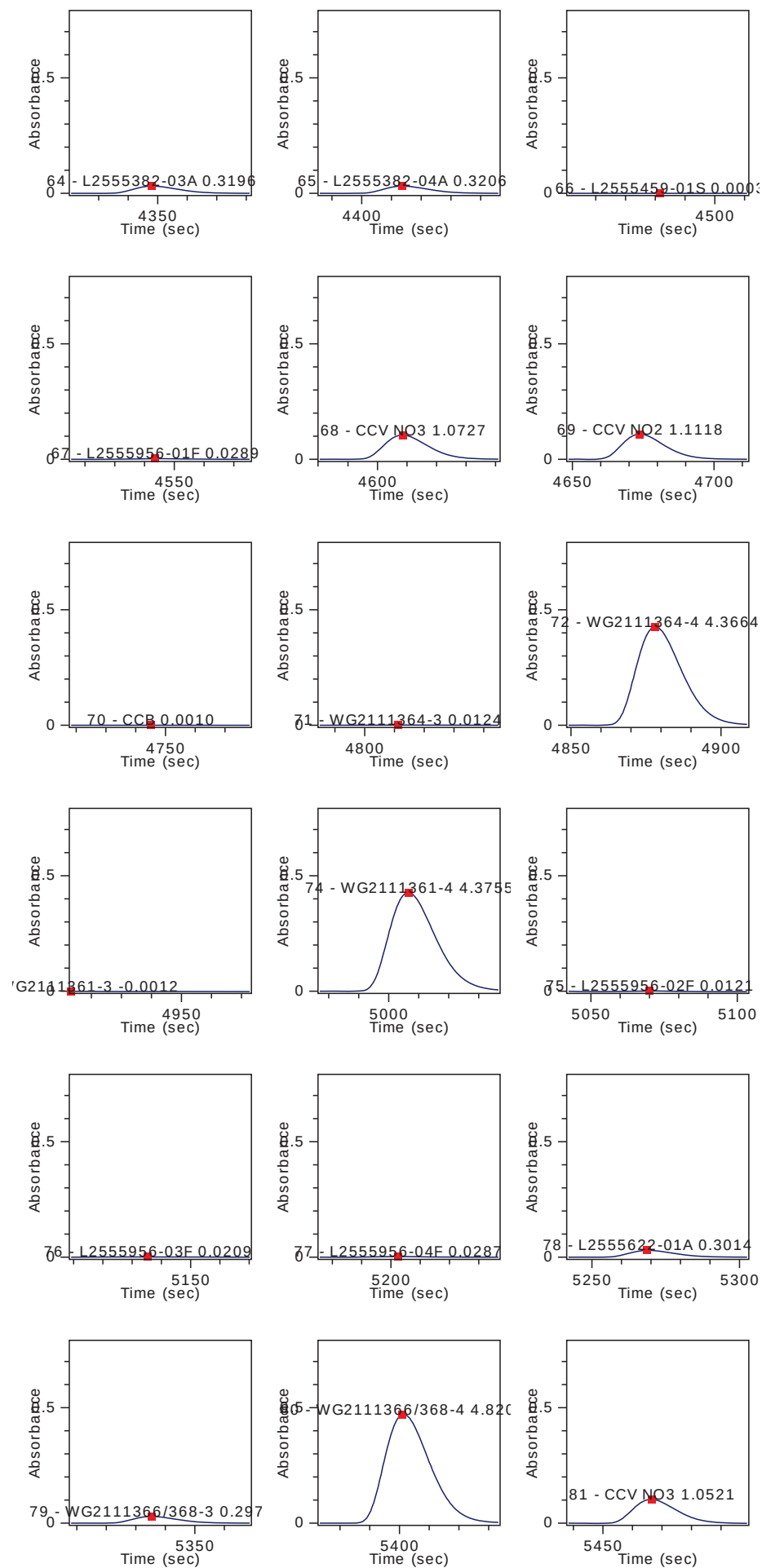
Channel: 1-NOx

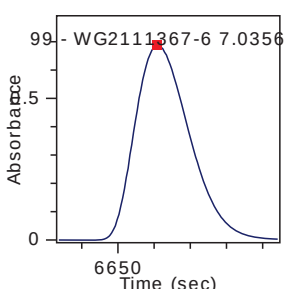
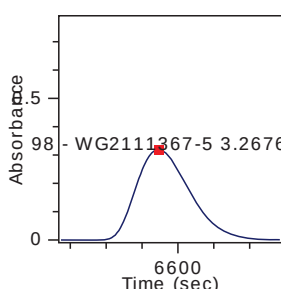
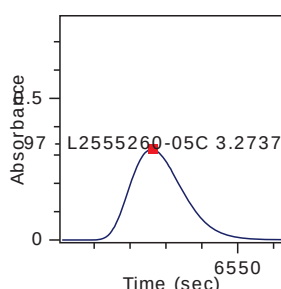
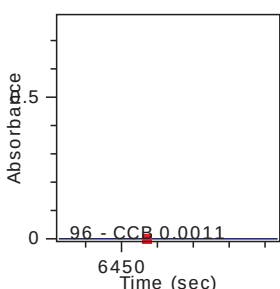
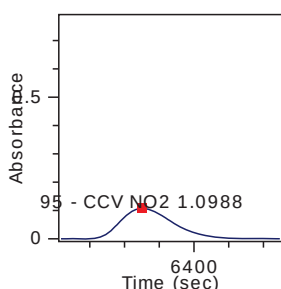
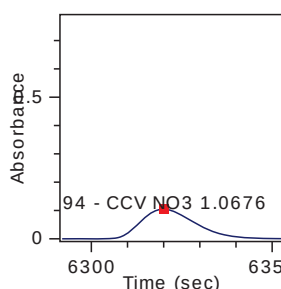
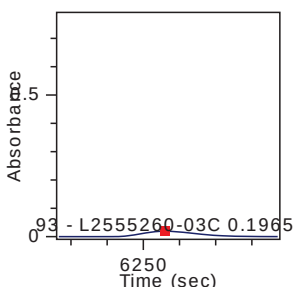
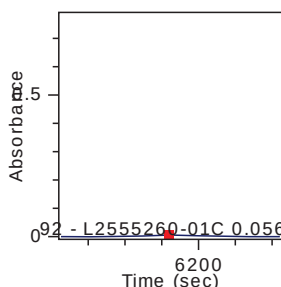
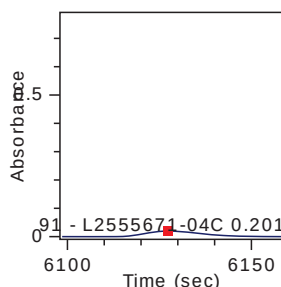
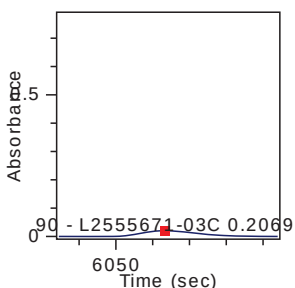
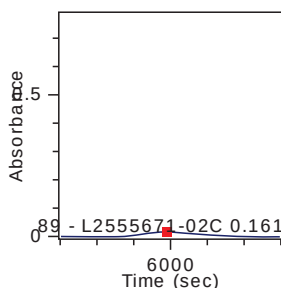
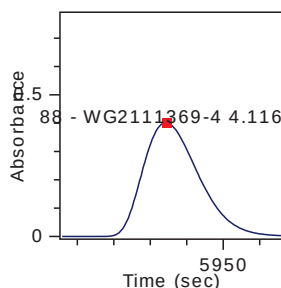
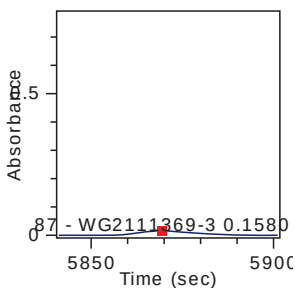
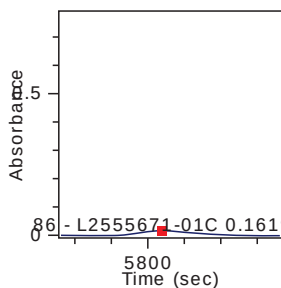
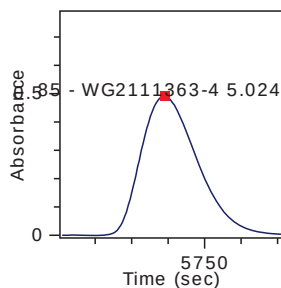
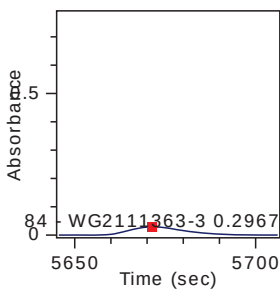
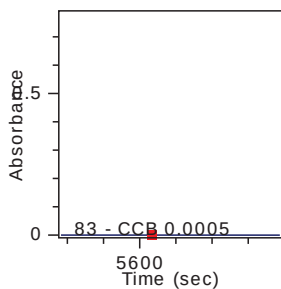
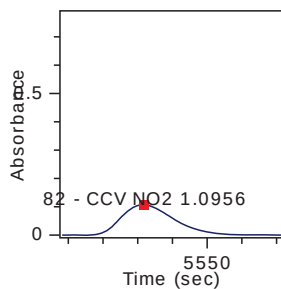


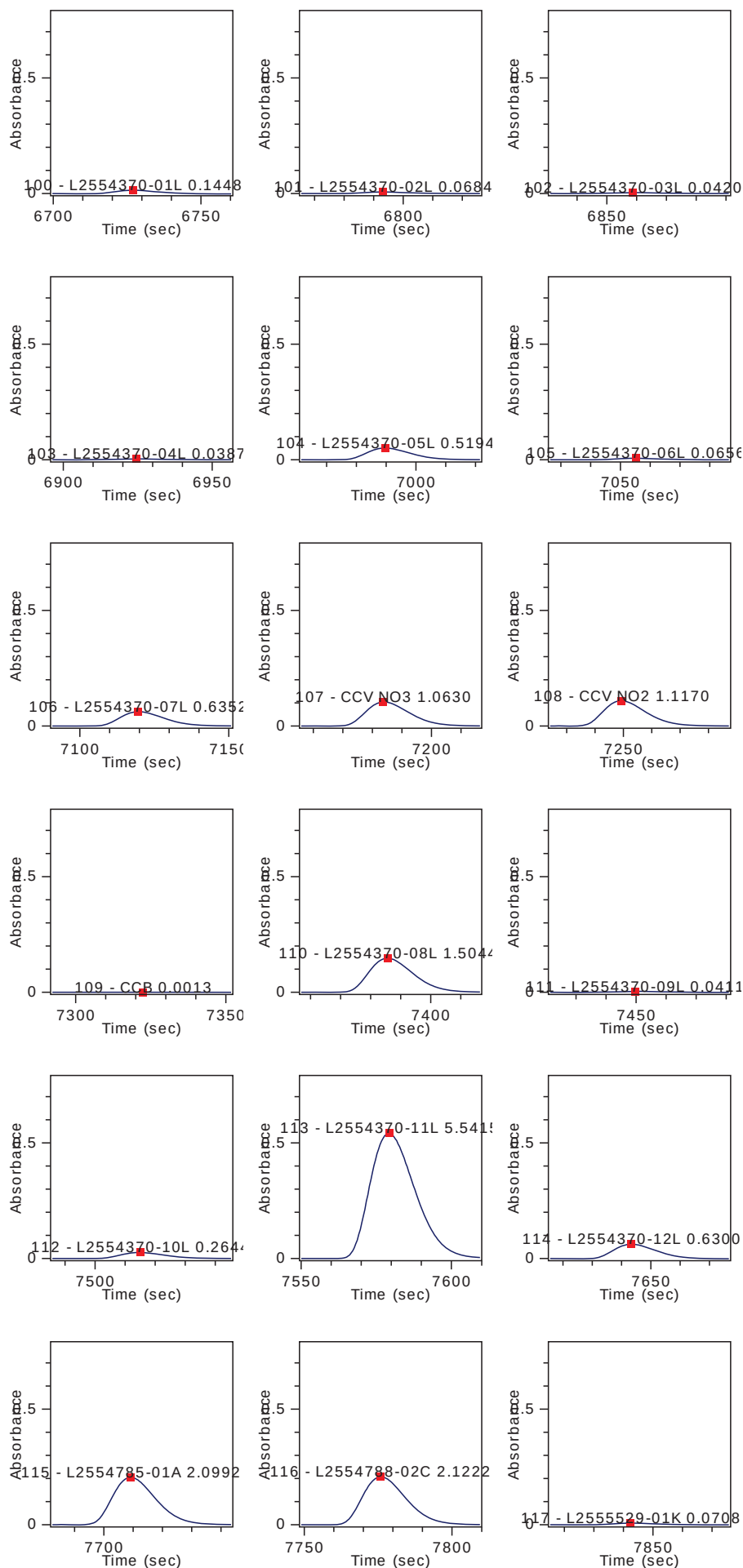


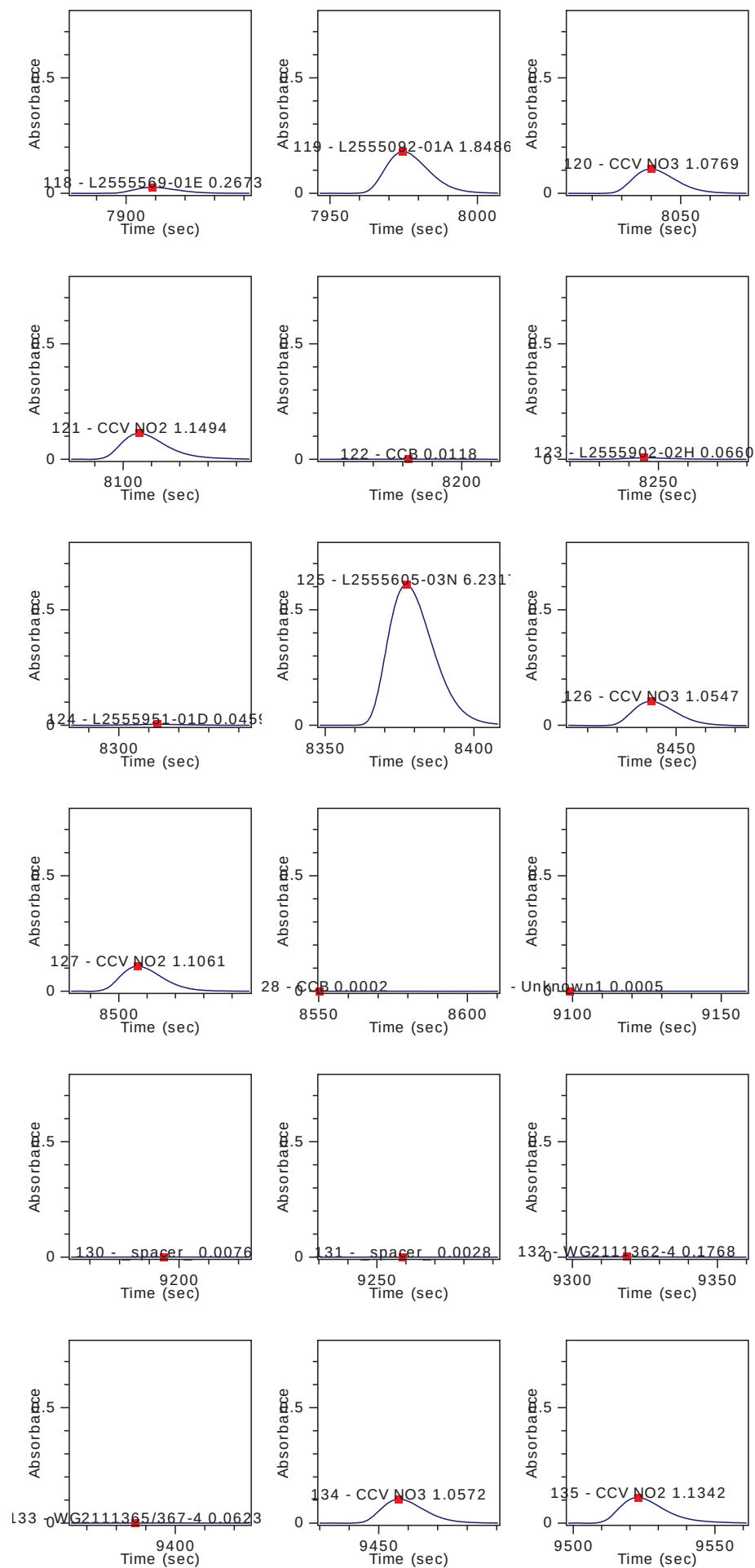


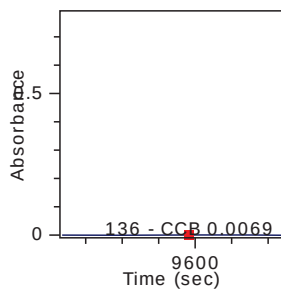




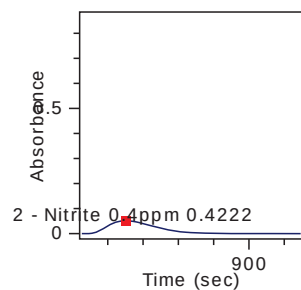
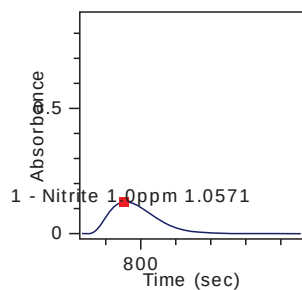
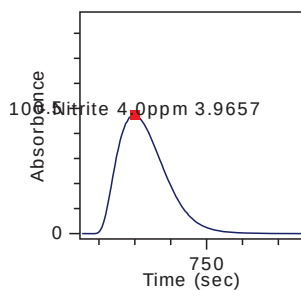
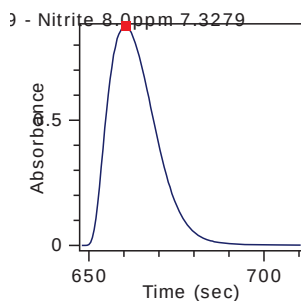
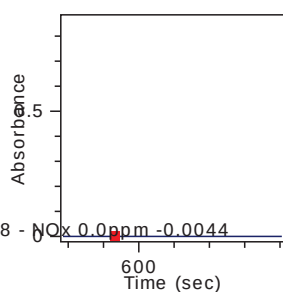
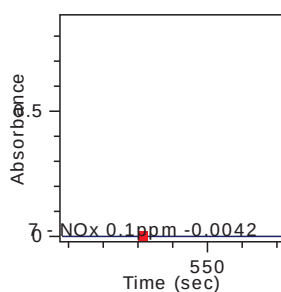
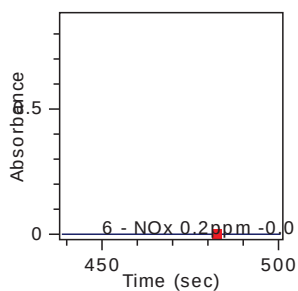
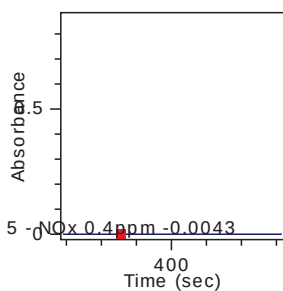
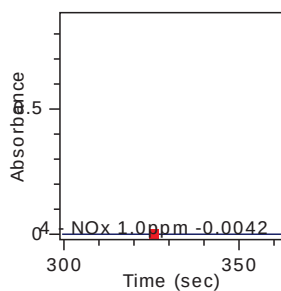
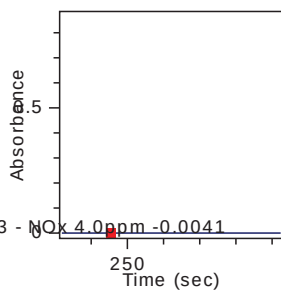
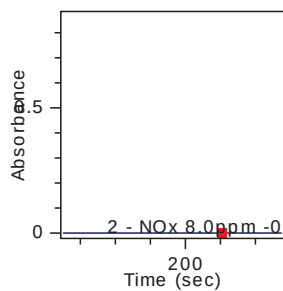
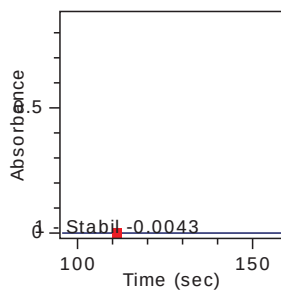


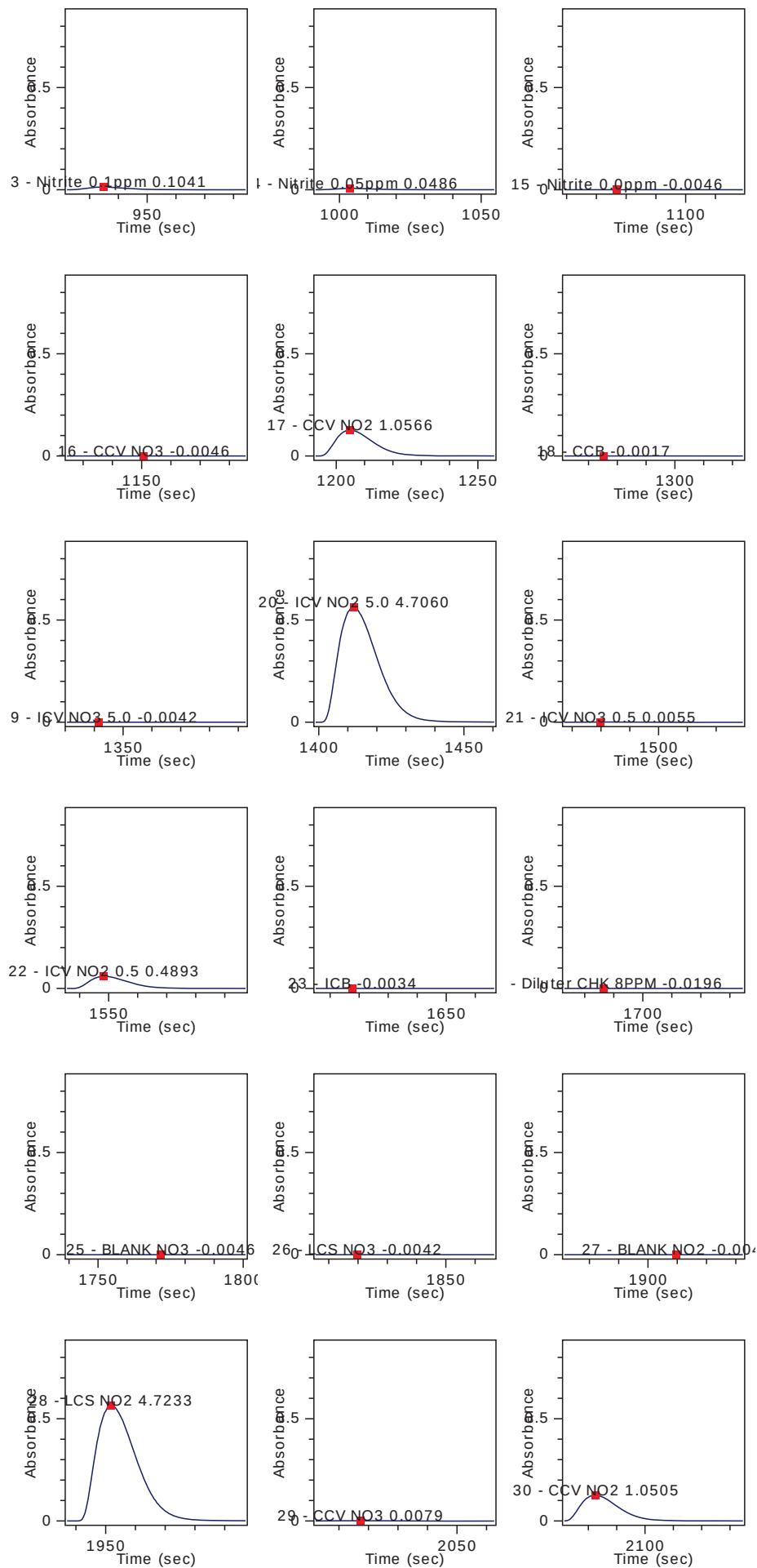


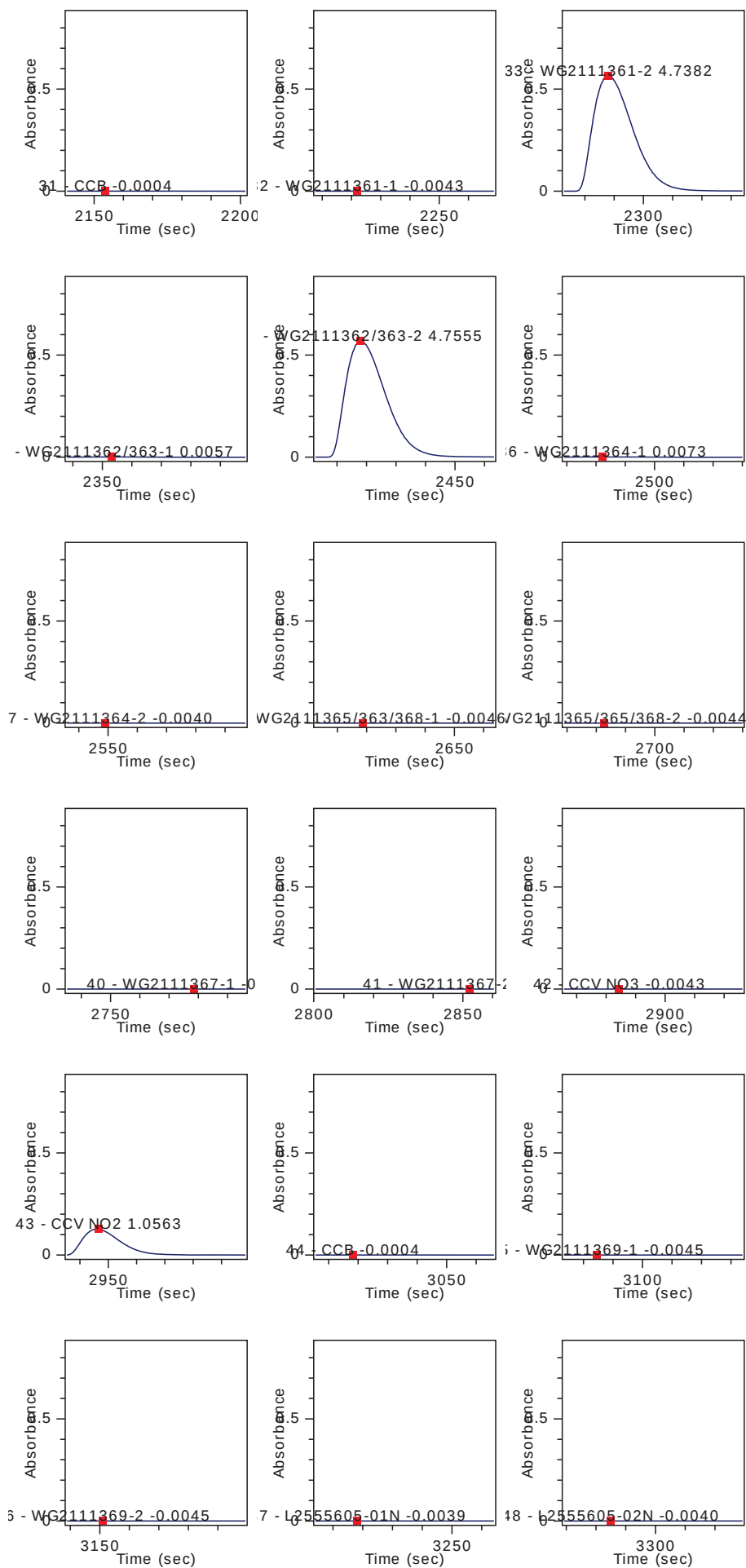


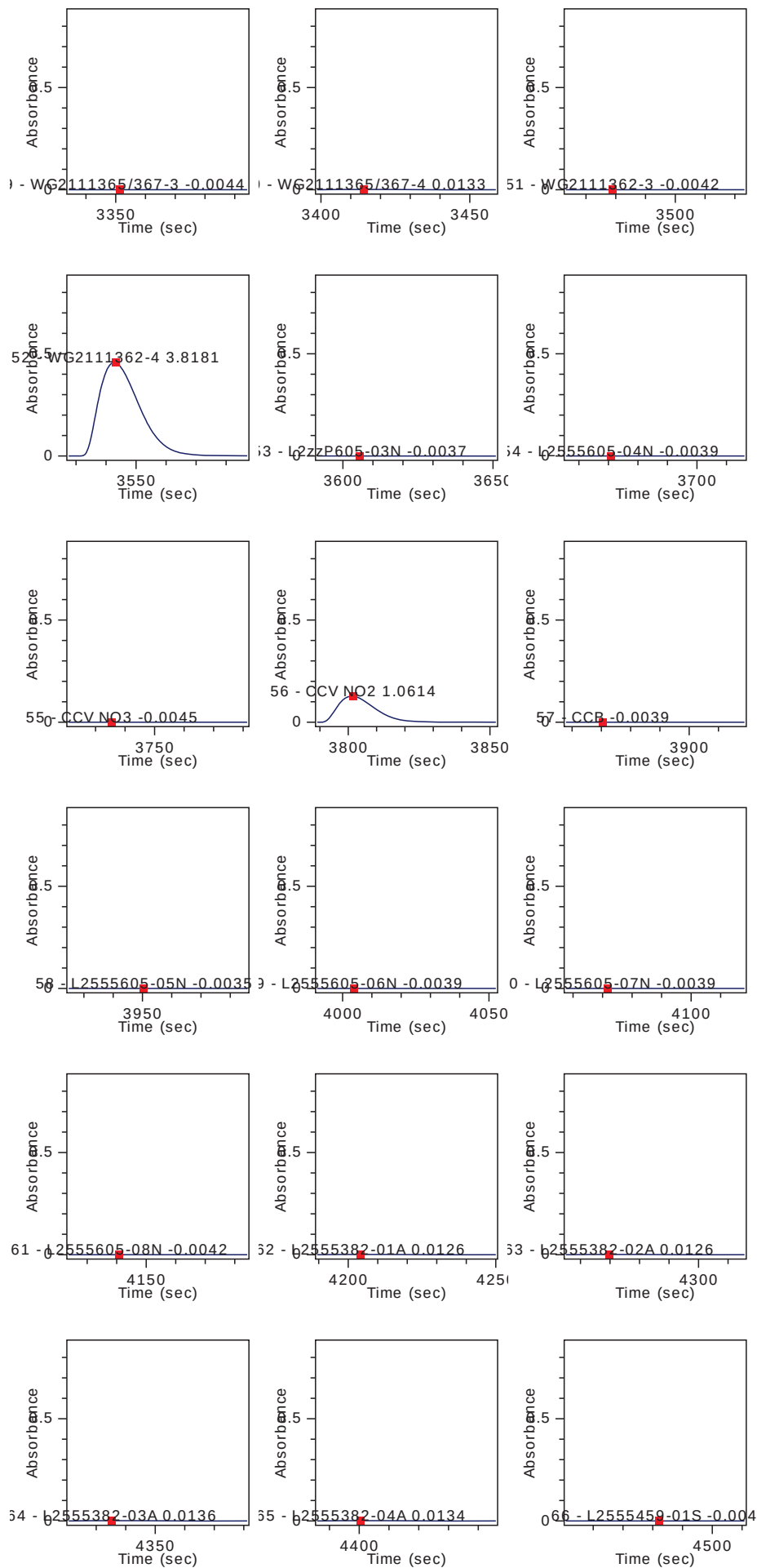


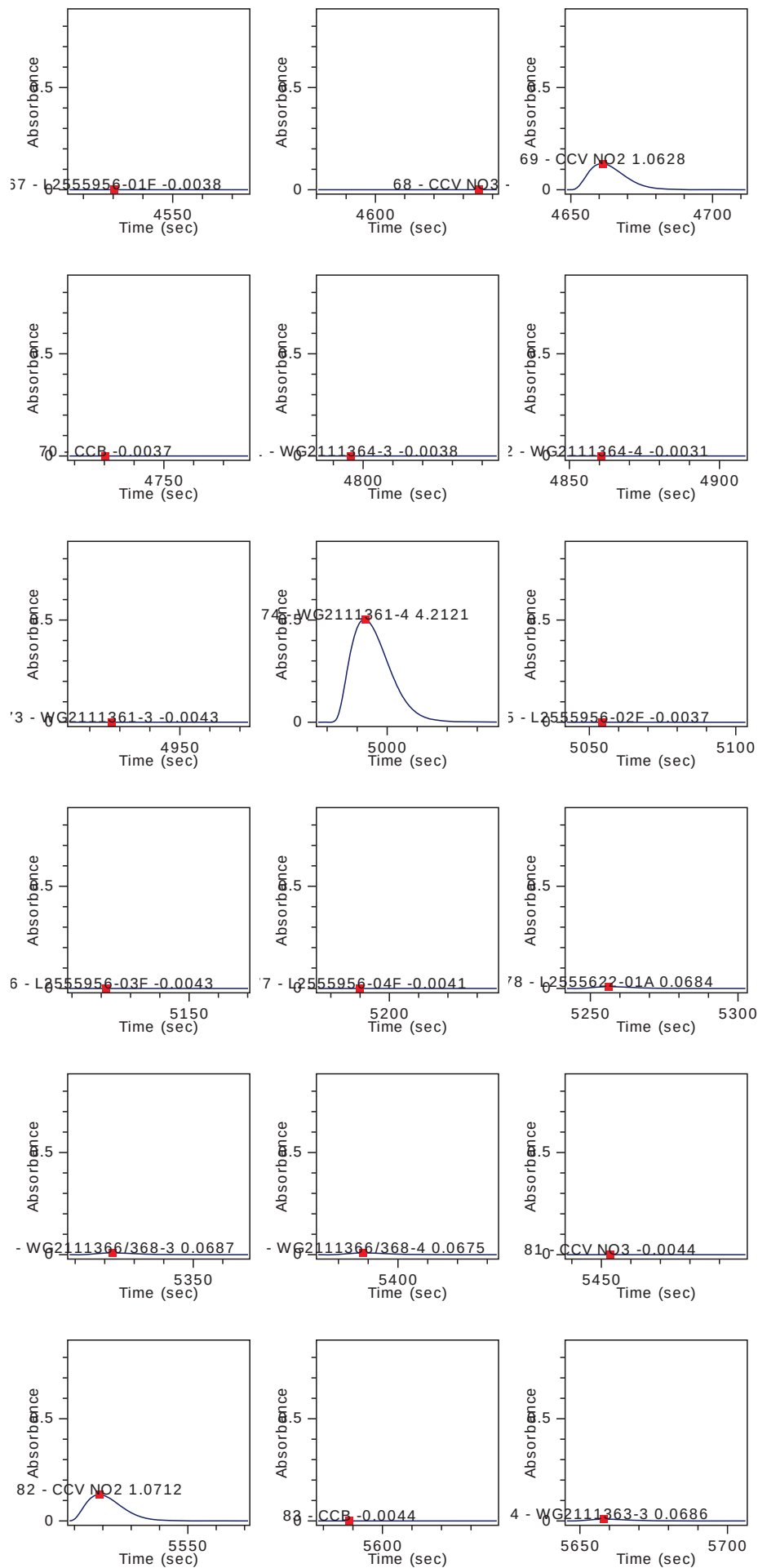
Channel: 2-NO2

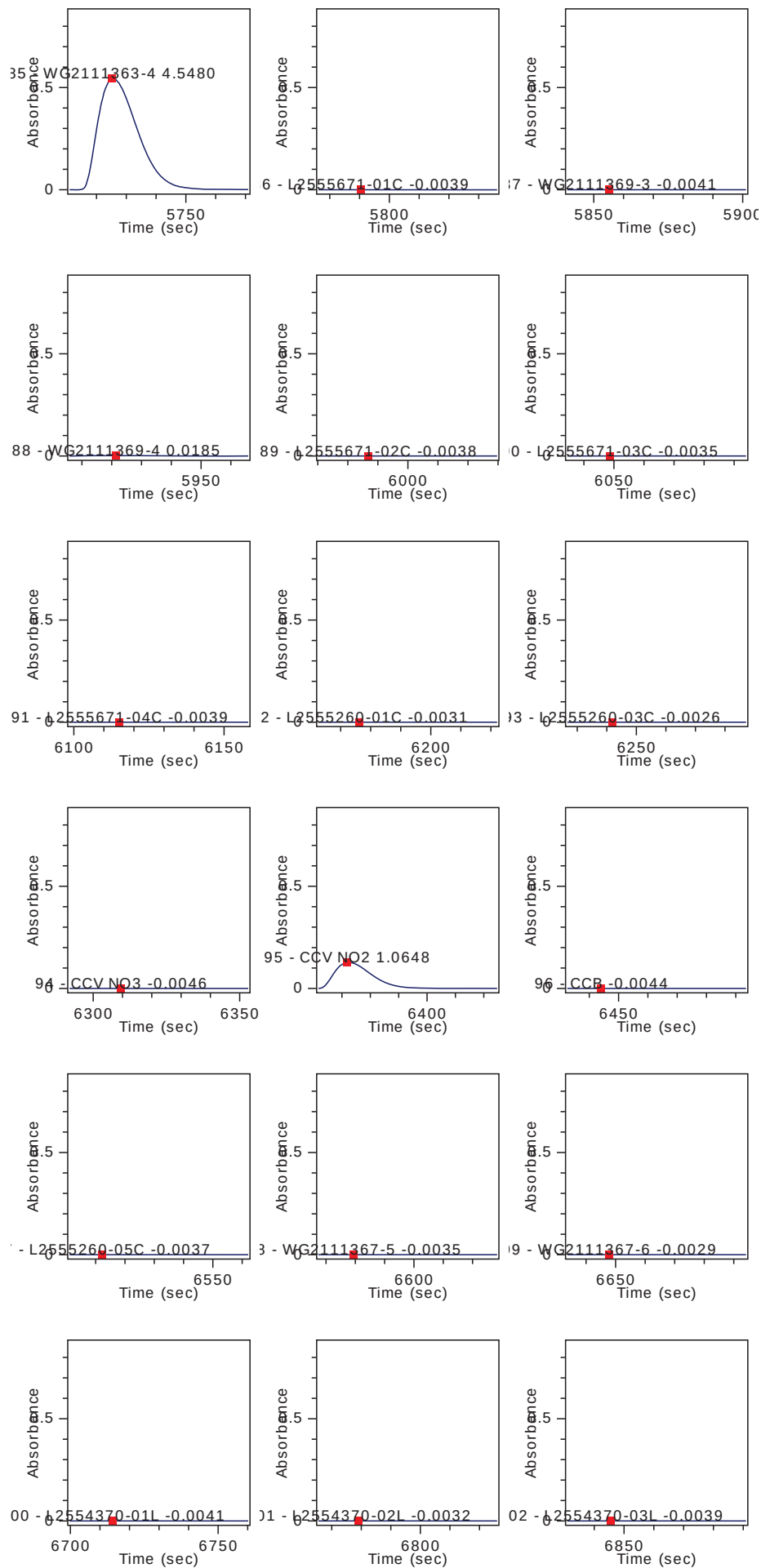


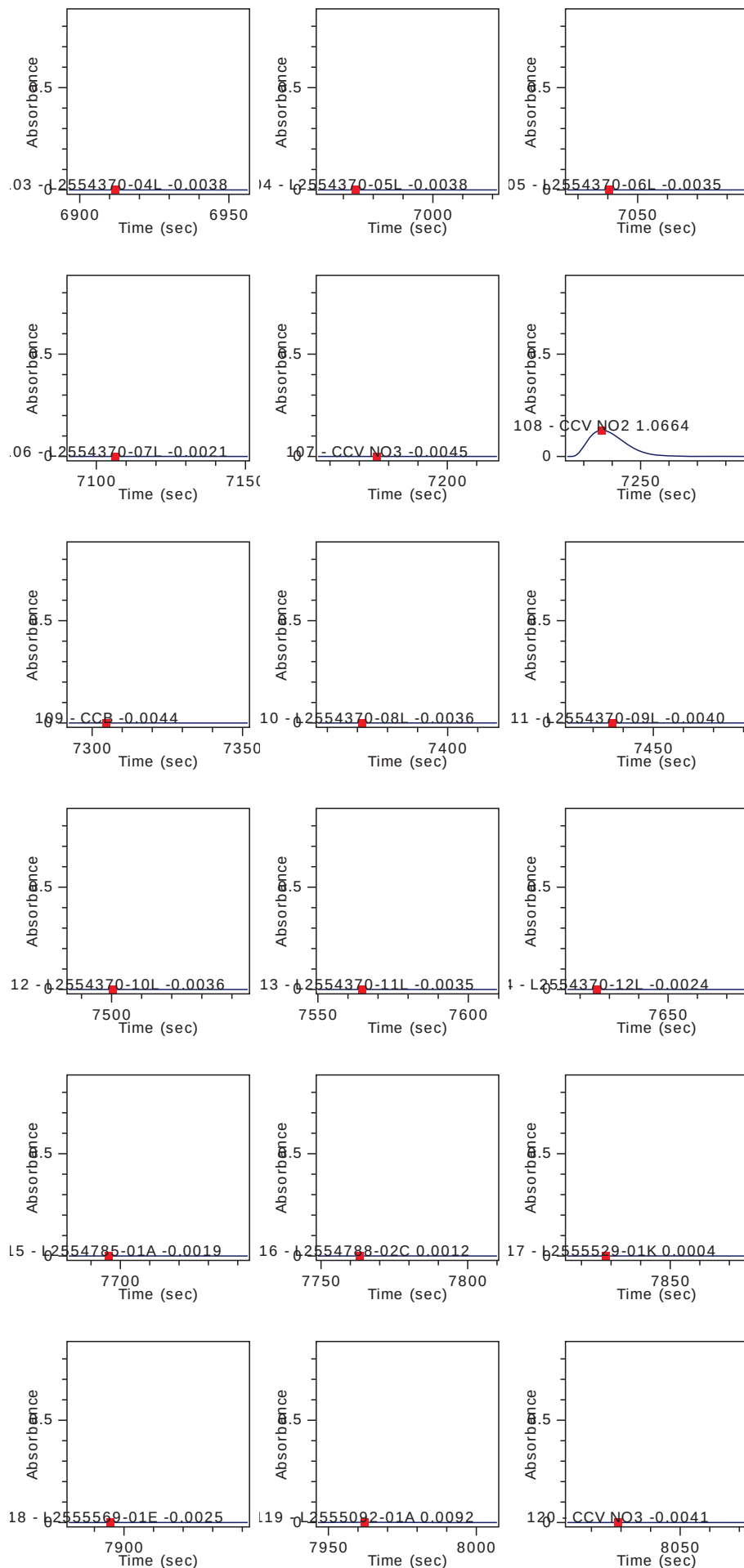


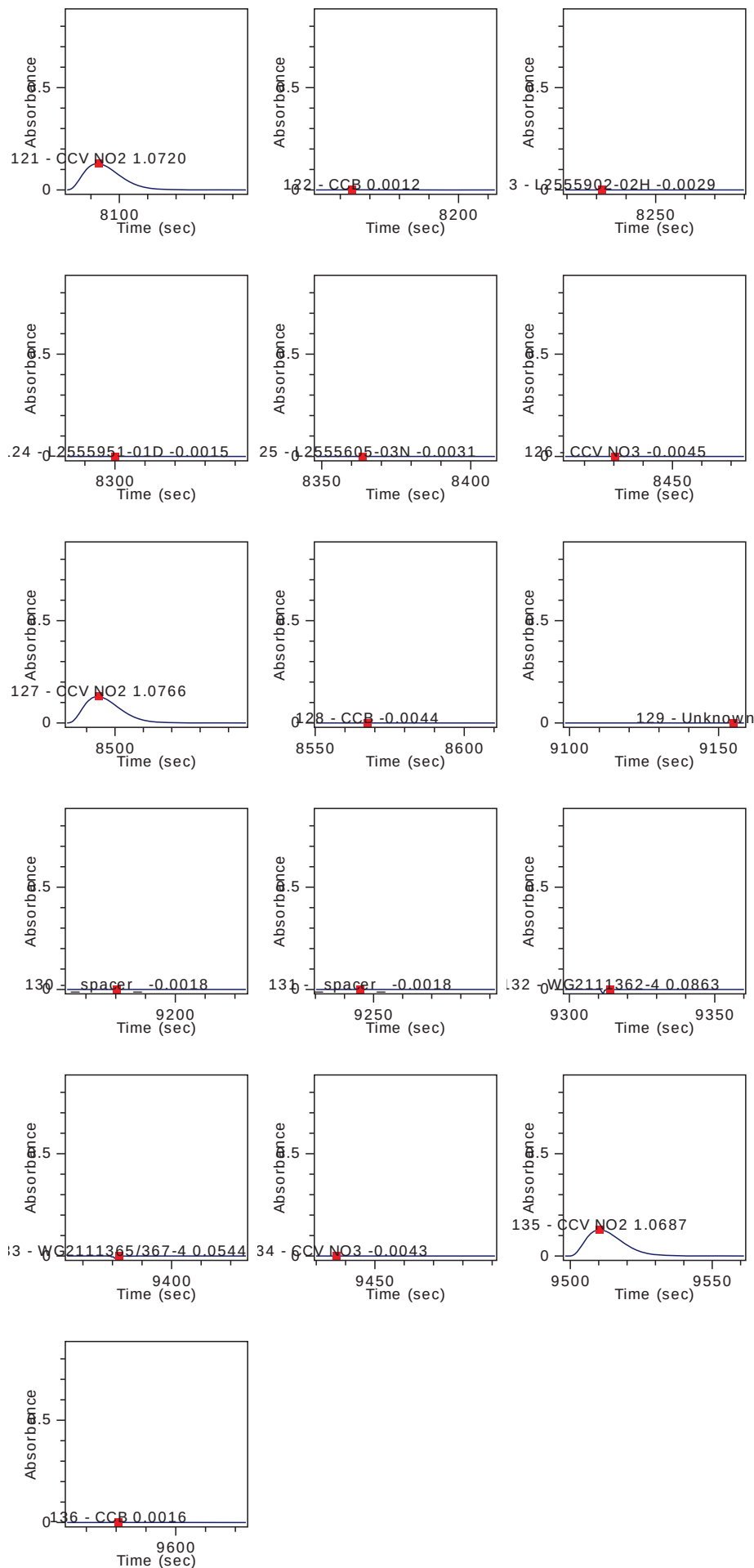












Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T02:33:29

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:36

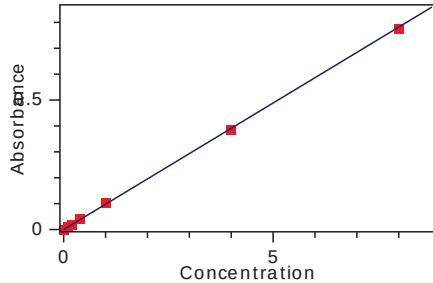
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
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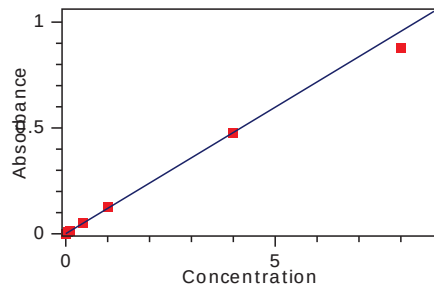
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	N/A
10002	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	N/A
10003	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	N/A
10004	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	N/A
10005	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	N/A
10006	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	N/A



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	N/A
10002	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	N/A
10003	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	N/A
10004	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	N/A
10005	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	N/A
10006	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	N/A
10007	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0002	1	1	1	0.0025		2025-09-06T07:21:15
CCV NO3	2	QC	1	0.1049	1	1	1	1.0735		2025-09-06T07:22:28
CCV NO2	3	QC	?	0.1104	1	1	1	1.1304		2025-09-06T07:23:34
CCB	4	QC	0	0.0009	1	1	1	0.0091		2025-09-06T07:24:49

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111365/367-4	5	Unknown	?	0.1617	1	5	1	8.2740		2025-09-06T07:25:52
WG2111400-1	6	Unknown	?	0.0000	1	1	1	0.0001		2025-09-06T07:26:31
WG2111400-2	7	Unknown	?	0.4844	1	1	1	4.9570		2025-09-06T07:28:04
WG2111401-1	8	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T07:28:41
WG2111401-2	9	Unknown	?	0.4862	1	1	1	4.9758		2025-09-06T07:30:14
L2554780-02A	10	Unknown	?	0.6651	1	1	1	6.8060		2025-09-06T07:31:20
WG2111400-3	11	Unknown	?	0.6590	1	1	1	6.7436		2025-09-06T07:32:24
WG2111400-4	12	Unknown	?	0.9648	1	1	1	9.8732	OVR	2025-09-06T07:33:29
L2554800-01A	13	Unknown	?	1.3422	1	1	1	13.7344	OVR	2025-09-06T07:34:34
L2554949-01A	14	Unknown	?	0.0325	1	1	1	0.3327		2025-09-06T07:35:39
CCV NO3	15	QC	1	0.1035	1	1	1	1.0600		2025-09-06T07:36:45
CCV NO2	16	QC	?	0.1099	1	1	1	1.1249		2025-09-06T07:37:51
CCB	17	QC	0	0.0007	1	1	1	0.0075		2025-09-06T07:39:04
L2554949-02A	18	Unknown	?	0.0316	1	1	1	0.3238		2025-09-06T07:40:09
L2555006-01A	19	Unknown	?	0.0068	1	1	1	0.0697		2025-09-06T07:41:17
L2555051-02A	20	Unknown	?	0.1038	1	1	1	1.0622		2025-09-06T07:42:23
L2555051-04A	21	Unknown	?	0.0399	1	1	1	0.4088		2025-09-06T07:43:29
L2555051-07A	22	Unknown	?	0.0511	1	1	1	0.5231		2025-09-06T07:44:34
L2555094-01A	23	Unknown	?	0.1765	1	1	1	1.8067		2025-09-06T07:45:40
WG2111400-5	24	Unknown	?	0.1761	1	1	1	1.8019		2025-09-06T07:46:46
WG2111400-6	25	Unknown	?	0.5597	1	1	1	5.7280		2025-09-06T07:47:51
L2555094-02B	26	Unknown	?	0.9937	1	1	1	10.1689	OVR	2025-09-06T07:48:56
L2555509-02B	27	Unknown	?	0.0118	1	1	1	0.1215		2025-09-06T07:50:02
CCV NO3	28	QC	1	0.1031	1	1	1	1.0551		2025-09-06T07:51:06
CCV NO2	29	QC	?	0.1063	1	1	1	1.0879		2025-09-06T07:52:12
CCB	30	QC	0	0.0001	1	1	1	0.0011		2025-09-06T07:53:23
L2555509-03B	31	Unknown	?	0.3455	1	1	1	3.5354		2025-09-06T07:54:31
CCV NO3	32	QC	1	0.1021	1	1	1	1.0447		2025-09-06T07:55:36
CCV NO2	33	QC	?	0.1061	1	1	1	1.0859		2025-09-06T07:56:42
CCB	34	QC	0	0.0001	1	1	1	0.0009		2025-09-06T07:57:52
spacer	35	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T08:06:31
spacer	36	Unknown	?	0.0004	1	1	1	0.0049		2025-09-06T08:07:55
WG2111400-4	37	Unknown	?	0.1036	1	10	1	10.6067		2025-09-06T08:09:04

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554800-01A	38	Unknown	?	0.1888	1	10	1	19.3230		2025-09-06T08:10:13
L2555094-02B	39	Unknown	?	0.1104	1	10	1	11.2998		2025-09-06T08:11:21
L2554949-01A	40	Unknown	?	0.0363	1	1	1	0.3720		2025-09-06T08:12:29
L2555509-02B	41	Unknown	?	0.0146	1	1	1	0.1500		2025-09-06T08:13:35
CCV NO3	42	QC	1	0.1025	1	1	1	1.0490		2025-09-06T08:14:39
CCV NO2	43	QC	?	0.1056	1	1	1	1.0805		2025-09-06T08:15:44
CCB	44	QC	0	0.0001	1	1	1	0.0009		2025-09-06T08:16:57

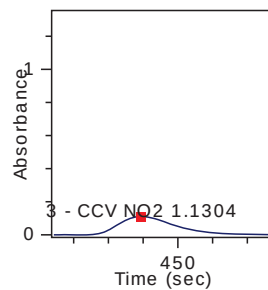
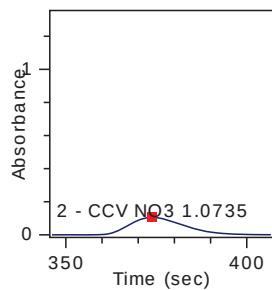
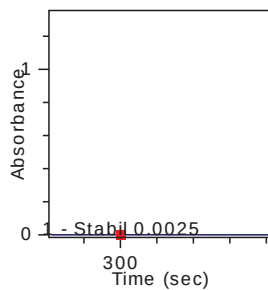
Channel: 2-NO2

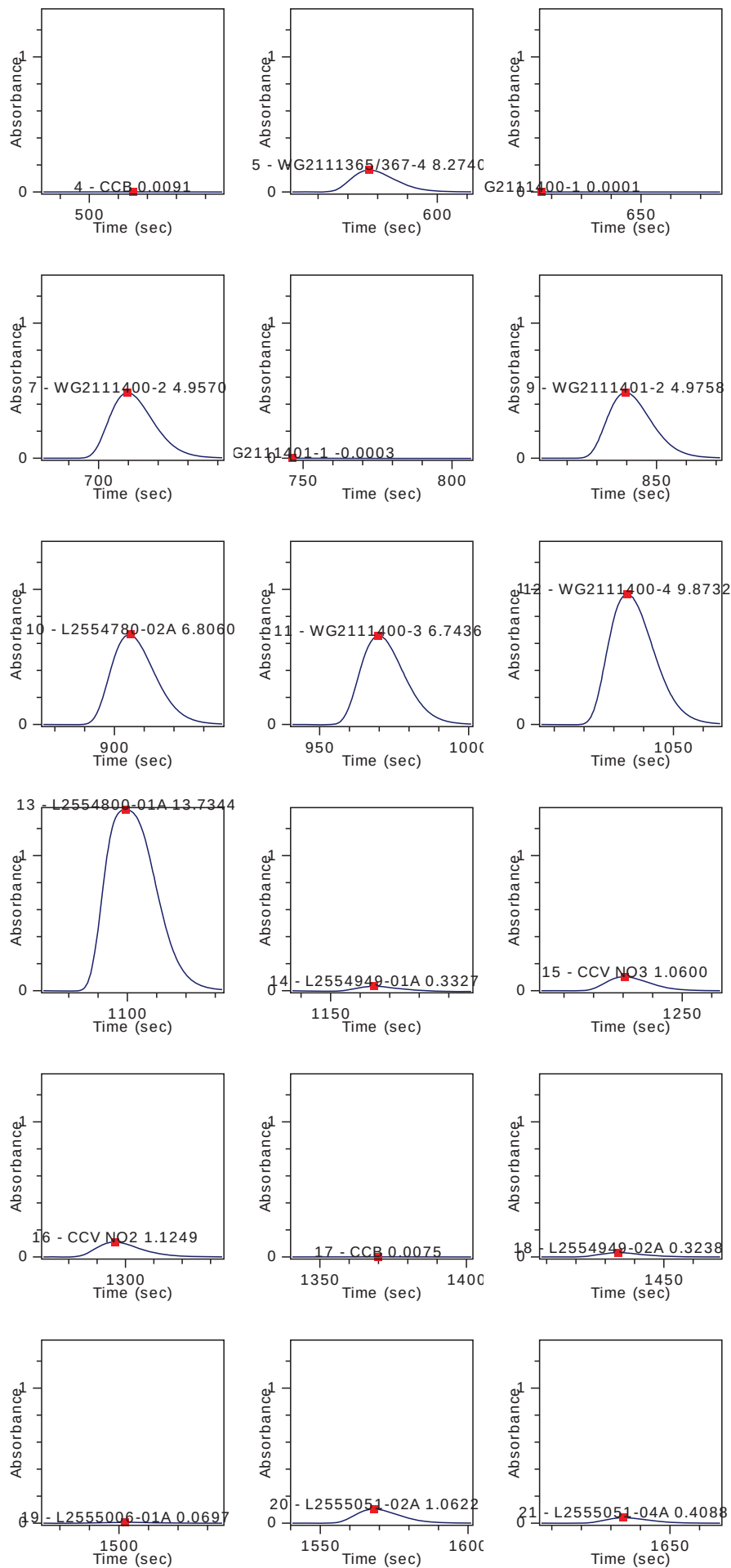
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T07:20:56
CCV NO3	2	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T07:22:15
CCV NO2	3	QC	1	0.1275	1	1	1	1.0624		2025-09-06T07:23:21
CCB	4	QC	0	0.0006	1	1	1	0.0004		2025-09-06T07:24:32
WG2111365/367-4	5	Unknown	?	0.0006	1	5	1	0.0012		2025-09-06T07:25:40
WG2111400-1	6	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T07:27:30
WG2111400-2	7	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T07:28:20
WG2111401-1	8	Unknown	?	0.0001	1	1	1	-0.0044		2025-09-06T07:29:05
WG2111401-2	9	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T07:30:18
L2554780-02A	10	Unknown	?	0.0037	1	1	1	0.0263		2025-09-06T07:31:07
WG2111400-3	11	Unknown	?	0.0039	1	1	1	0.0280		2025-09-06T07:32:11
WG2111400-4	12	Unknown	?	0.0037	1	1	1	0.0266		2025-09-06T07:33:15
L2554800-01A	13	Unknown	?	0.0433	1	1	1	0.3577		2025-09-06T07:34:20
L2554949-01A	14	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T07:35:26
CCV NO3	15	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T07:36:47
CCV NO2	16	QC	1	0.1276	1	1	1	1.0632		2025-09-06T07:37:38
CCB	17	QC	0	0.0006	1	1	1	-0.0001		2025-09-06T07:38:49
L2554949-02A	18	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T07:39:55
L2555006-01A	19	Unknown	?	0.0004	1	1	1	-0.0014		2025-09-06T07:41:02
L2555051-02A	20	Unknown	?	0.0399	1	1	1	0.3295		2025-09-06T07:42:10
L2555051-04A	21	Unknown	?	0.0025	1	1	1	0.0159		2025-09-06T07:43:14
L2555051-07A	22	Unknown	?	0.0043	1	1	1	0.0310		2025-09-06T07:44:21
L2555094-01A	23	Unknown	?	0.0058	1	1	1	0.0441		2025-09-06T07:45:27
WG2111400-5	24	Unknown	?	0.0058	1	1	1	0.0441		2025-09-

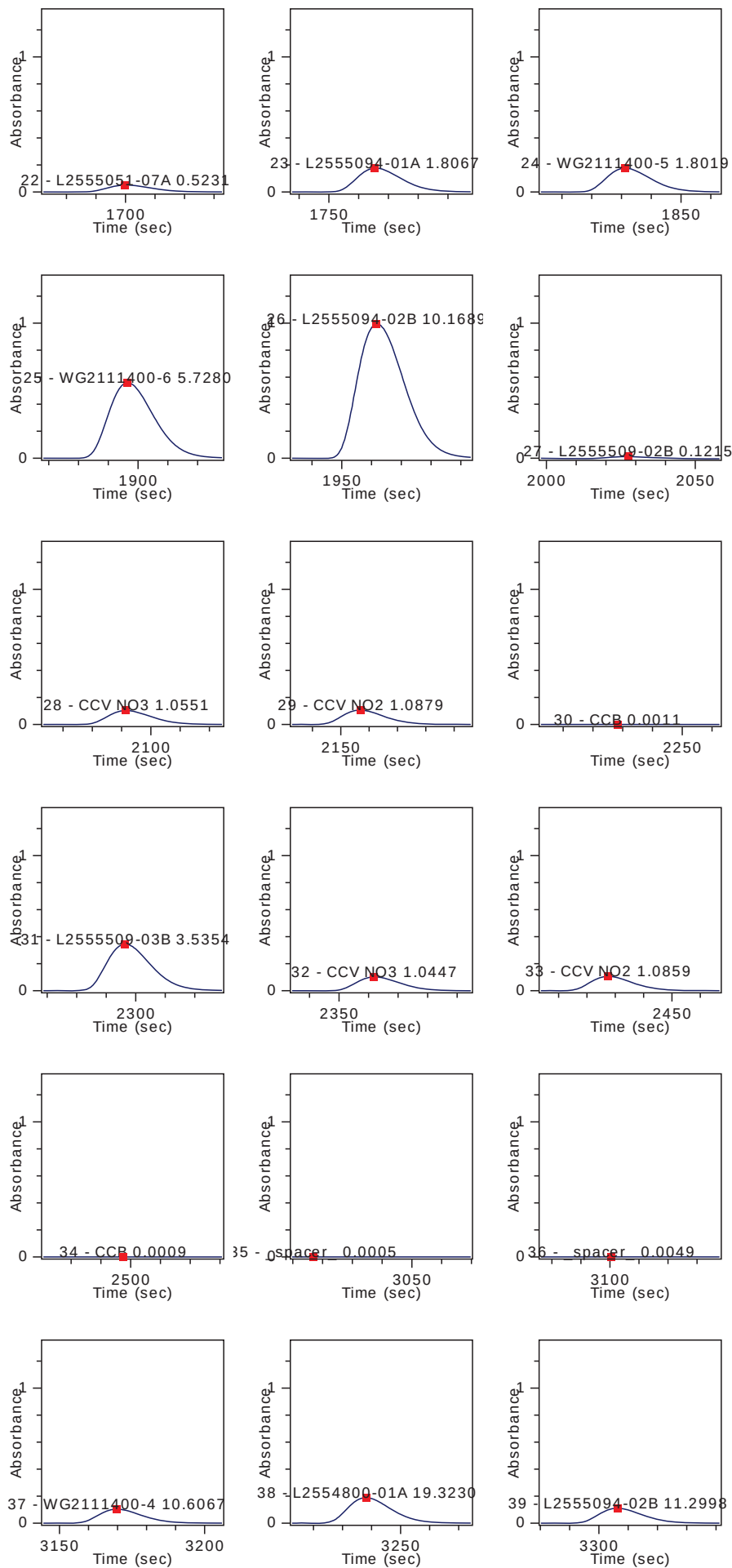
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T07:46:33
WG2111400-6	25	Unknown	?	0.0057	1	1	1	0.0433		2025-09-06T07:47:38
L2555094-02B	26	Unknown	?	0.0696	1	1	1	0.5775		2025-09-06T07:48:43
L255509-02B	27	Unknown	?	0.0009	1	1	1	0.0028		2025-09-06T07:49:48
CCV NO3	28	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T07:50:54
CCV NO2	29	QC	1	0.1269	1	1	1	1.0571		2025-09-06T07:51:59
CCB	30	QC	0	0.0001	1	1	1	-0.0041		2025-09-06T07:53:12
L255509-03B	31	Unknown	?	0.0324	1	1	1	0.2664		2025-09-06T07:54:18
CCV NO3	32	QC	?	0.0001	1	1	1	-0.0037		2025-09-06T07:55:24
CCV NO2	33	QC	1	0.1265	1	1	1	1.0539		2025-09-06T07:56:29
CCB	34	QC	0	0.0001	1	1	1	-0.0043		2025-09-06T07:57:41
spacer	35	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T08:07:22
spacer	36	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T08:07:45
WG2111400-4	37	Unknown	?	0.0004	1	10	1	-0.0132		2025-09-06T08:08:54
L2554800-01A	38	Unknown	?	0.0044	1	10	1	0.3213		2025-09-06T08:10:01
L2555094-02B	39	Unknown	?	0.0069	1	10	1	0.5335		2025-09-06T08:11:09
L2554949-01A	40	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T08:12:16
L255509-02B	41	Unknown	?	0.0009	1	1	1	0.0031		2025-09-06T08:13:20
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0038		2025-09-06T08:14:27
CCV NO2	43	QC	1	0.1254	1	1	1	1.0451		2025-09-06T08:15:31
CCB	44	QC	0	0.0002	1	1	1	-0.0033		2025-09-06T08:16:42

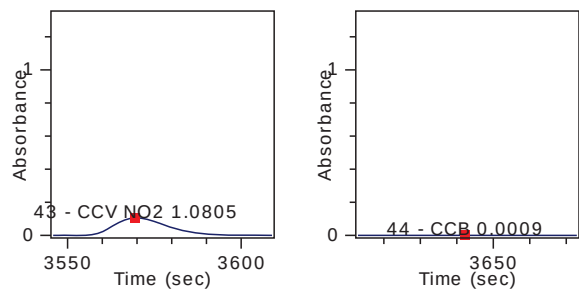
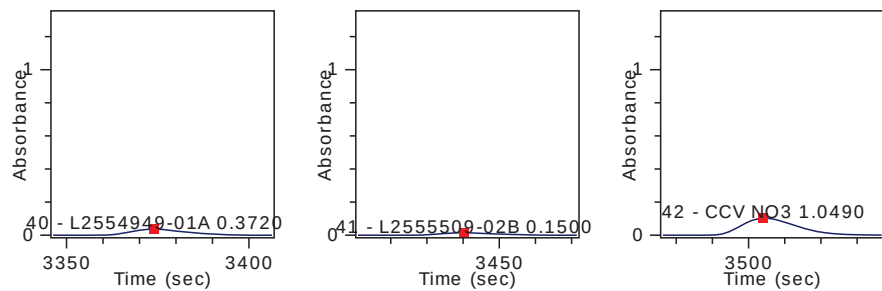
Peaks:

Channel: 1-NOx

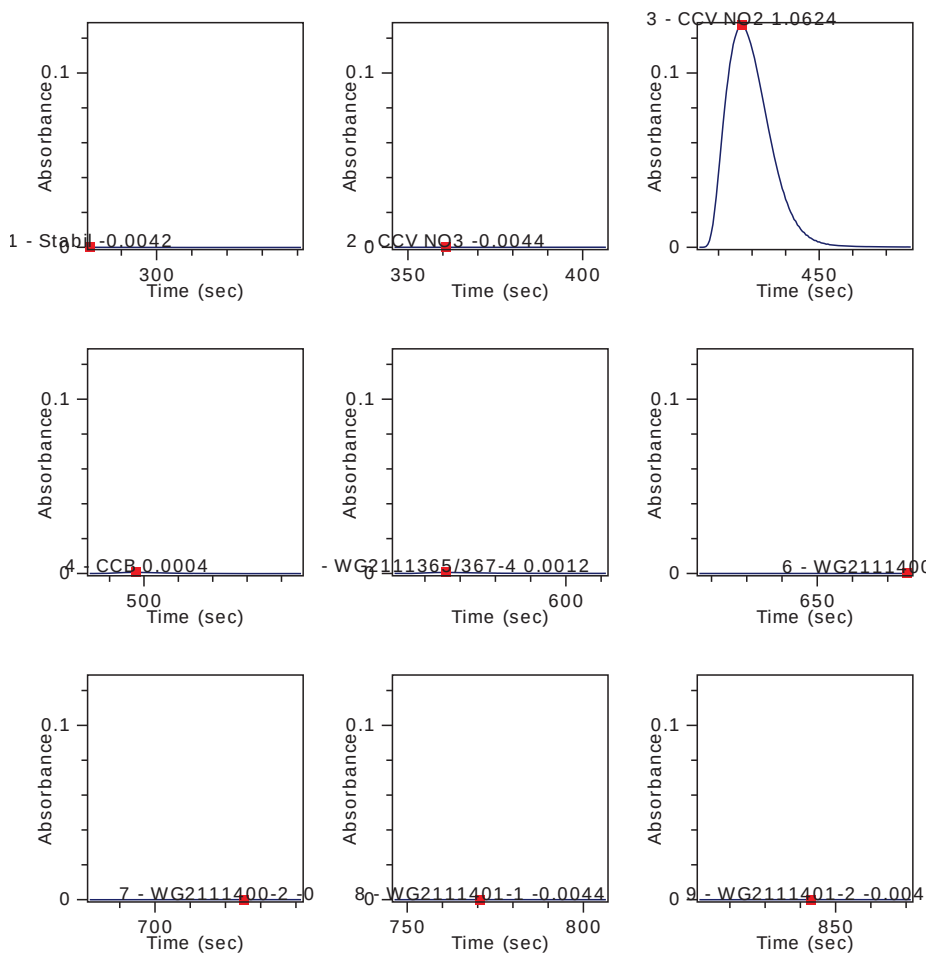


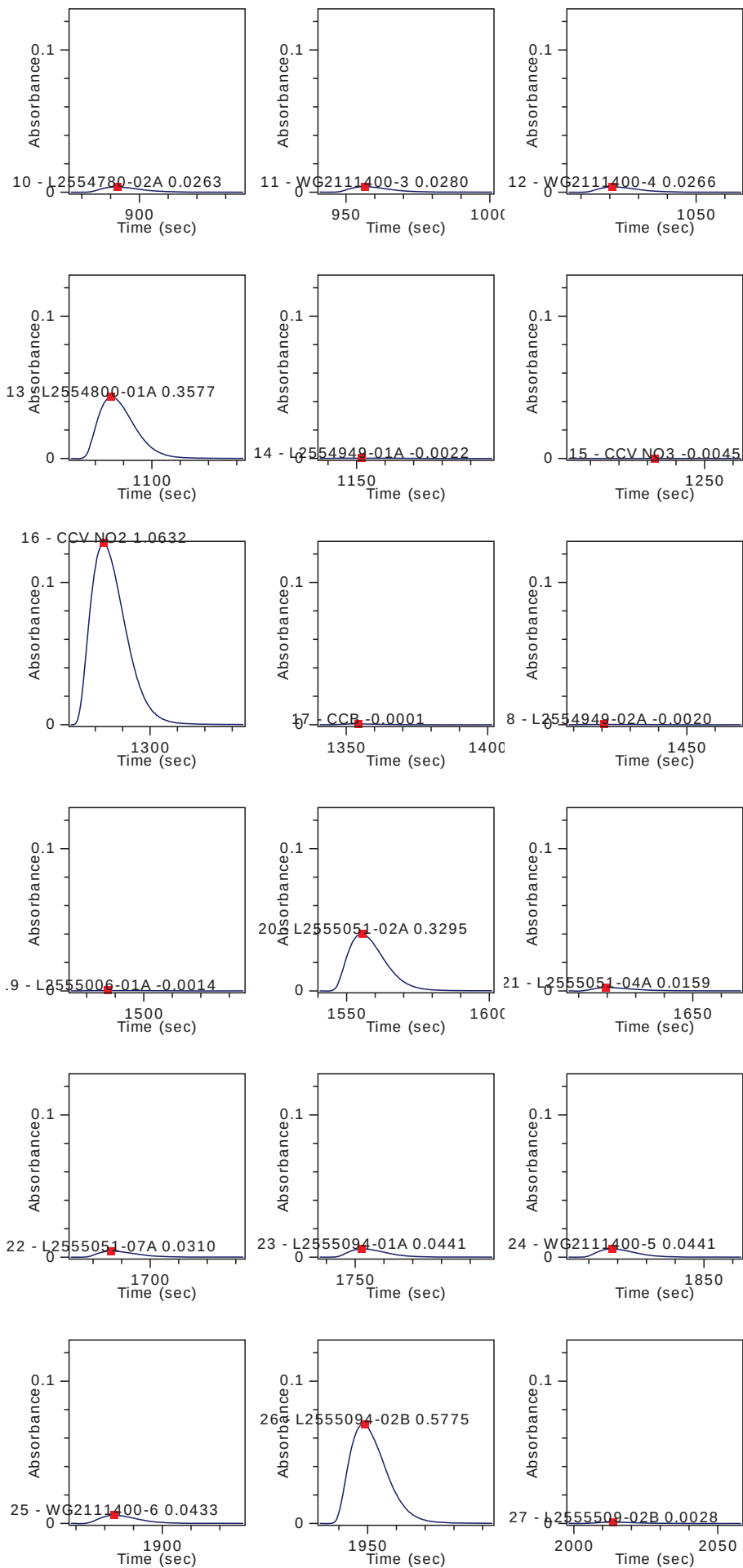


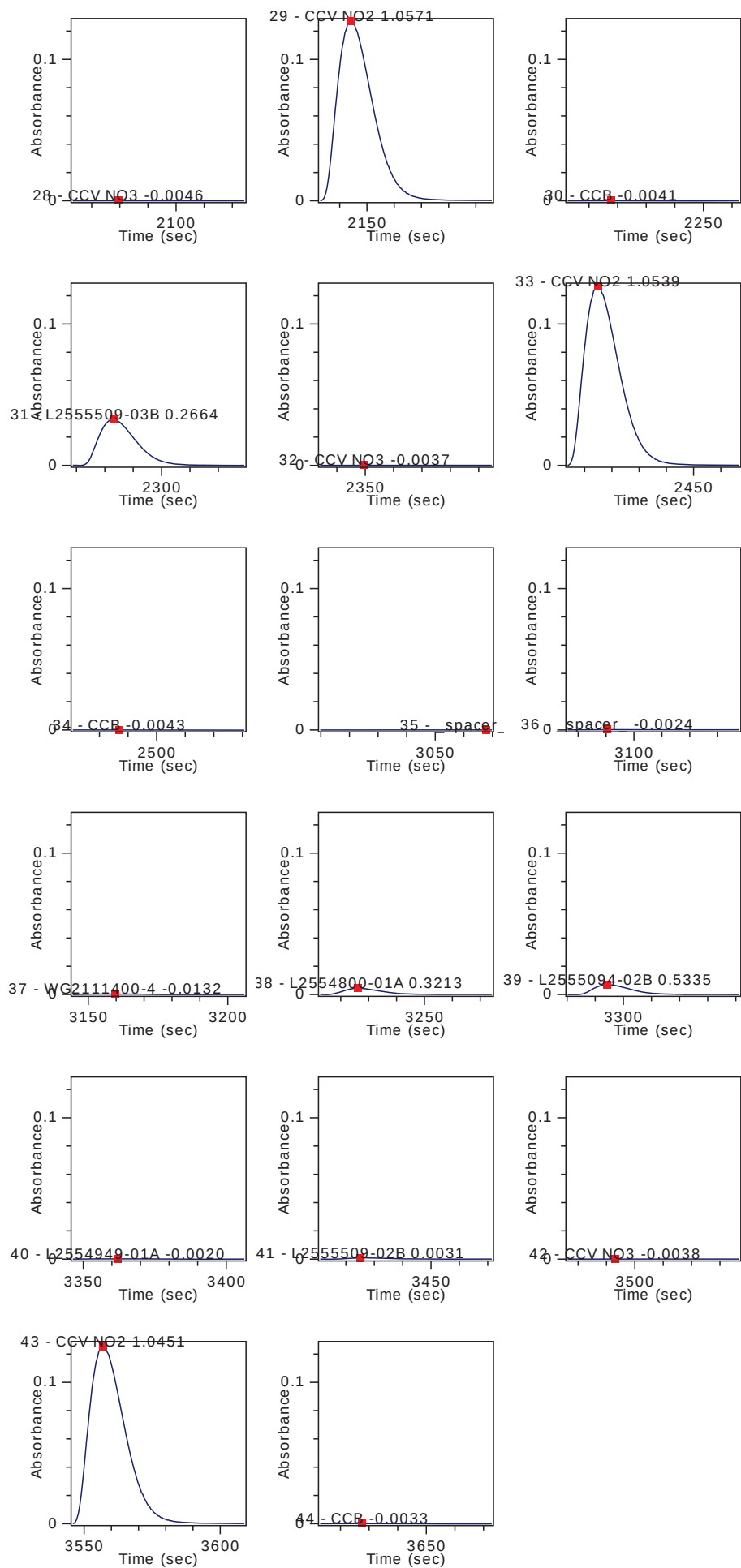




Channel: 2-NO2







Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T07:16:15

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:36:52

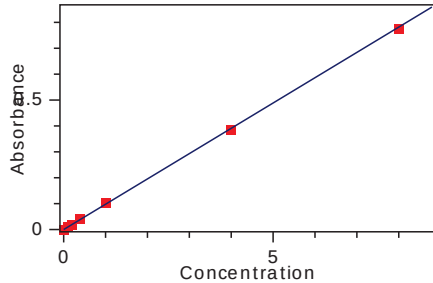
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
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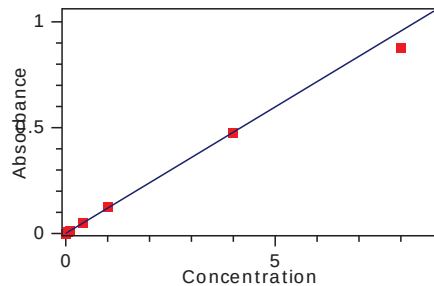
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
2	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	2025-09-06T02:36:37
3	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	2025-09-06T02:37:47
4	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	2025-09-06T02:38:53
5	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	2025-09-06T02:40:01
6	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	2025-09-06T02:41:10
7	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	2025-09-06T02:42:20
8	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	2025-09-06T02:43:35



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
9	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	2025-09-06T02:44:29
10	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	2025-09-06T02:45:38
11	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	2025-09-06T02:46:44
12	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	2025-09-06T02:47:54
13	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	2025-09-06T02:49:03
14	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	2025-09-06T02:50:12
15	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	2025-09-06T02:51:25

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0016		2025-09-06T02:35:24
NOx 8.0ppm	2	Standard	8	0.7727	1	1	1	7.9067		2025-09-06T02:36:37
NOx 4.0ppm	3	Standard	4	0.3851	1	1	1	3.9415		2025-09-06T02:37:47
NOx 1.0ppm	4	Standard	1	0.1029	1	1	1	1.0532		2025-09-06T02:38:53
NOx 0.4ppm	5	Standard	0.4	0.0388	1	1	1	0.3970		2025-09-06T02:40:01
NOx 0.2ppm	6	Standard	0.2	0.0191	1	1	1	0.1958		2025-09-06T02:41:10
NOx 0.1ppm	7	Standard	0.1	0.0098	1	1	1	0.1009		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	0	0.0001	1	1	1	0.0009		2025-09-06T02:43:35
Nitrite 8.0ppm	9	Standard	?	0.7839	1	1	1	8.0215	OVR	2025-09-06T02:44:41
Nitrite 4.0ppm	10	Standard	?	0.4203	1	1	1	4.3015		2025-09-06T02:45:50
Nitrite 1.0ppm	11	Standard	?	0.1108	1	1	1	1.1337		2025-09-06T02:46:57
Nitrite 0.4ppm	12	Standard	?	0.0435	1	1	1	0.4457		2025-09-06T02:48:05
Nitrite 0.1ppm	13	Standard	?	0.0108	1	1	1	0.1111		2025-09-06T02:49:15
Nitrite 0.05ppm	14	Standard	?	0.0053	1	1	1	0.0548		2025-09-06T02:50:24
Nitrite 0.0ppm	15	Standard	?	0.0001	1	1	1	0.0015		2025-09-06T02:51:36
CCV NO3	16	QC	1	0.1042	1	1	1	1.0665		2025-09-06T02:52:41
CCV NO2	17	QC	?	0.1105	1	1	1	1.1307		2025-09-06T02:53:46
CCB	18	QC	0	0.0007	1	1	1	0.0072		2025-09-06T02:55:01
ICV NO3 5.0	19	QC	5	0.4780	1	1	1	4.8918		2025-09-06T02:56:03
ICV NO2 5.0	20	QC	?	0.4943	1	1	1	5.0583		2025-09-06T02:57:12
ICV NO3 0.5	21	QC	0.5	0.0478	1	1	1	0.4897		2025-09-06T02:58:20
ICV NO2 0.5	22	QC	?	0.0503	1	1	1	0.5150		2025-09-06T02:59:29
ICB	23	QC	0	0.0004	1	1	1	0.0042		2025-09-06T03:00:44
Diluter CHK 8PPM	24	Unknown	?	0.1602	1	5	1	8.1992		2025-09-06T03:01:47
BLANK NO3	25	Unknown	?	0.0000	1	1	1	0.0002		2025-09-06T03:02:28
LCS NO3	26	Unknown	?	0.4786	1	1	1	4.8980		2025-09-06T03:04:01
BLANK NO2	27	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:04:40
LCS NO2	28	Unknown	?	0.4978	1	1	1	5.0944		2025-09-06T03:06:13
CCV NO3	29	QC	1	0.1047	1	1	1	1.0720		2025-09-06T03:07:19
CCV NO2	30	QC	?	0.1107	1	1	1	1.1331		2025-09-06T03:08:24
CCB	31	QC	0	0.0008	1	1	1	0.0091		2025-09-06T03:09:42
WG2111361-1	32	Unknown	?	0.0001	1	1	1	0.0015		2025-09-06T03:10:50

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111361-2	33	Unknown	?	0.4962	1	1	1	5.0778		2025-09-06T03:11:49
WG2111362/363-1	34	Unknown	?	0.0004	1	1	1	0.0046		2025-09-06T03:13:01
WG2111362/363-2	35	Unknown	?	0.4980	1	1	1	5.0965		2025-09-06T03:14:00
WG2111364-1	36	Unknown	?	0.0008	1	1	1	0.0084		2025-09-06T03:15:11
WG2111364-2	37	Unknown	?	0.4784	1	1	1	4.8962		2025-09-06T03:16:11
WG2111365/363/368-1	38	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:16:51
WG2111365/365/368-2	39	Unknown	?	0.4809	1	1	1	4.9214		2025-09-06T03:18:24
WG2111367-1	40	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:19:04
WG2111367-2	41	Unknown	?	0.4806	1	1	1	4.9186		2025-09-06T03:20:37
CCV NO3	42	QC	1	0.1034	1	1	1	1.0588		2025-09-06T03:21:42
CCV NO2	43	QC	?	0.1110	1	1	1	1.1358		2025-09-06T03:22:48
CCB	44	QC	0	0.0008	1	1	1	0.0084		2025-09-06T03:24:04
WG2111369-1	45	Unknown	?	0.0001	1	1	1	0.0011		2025-09-06T03:25:18
WG2111369-2	46	Unknown	?	0.4799	1	1	1	4.9115		2025-09-06T03:26:15
L2555605-01N	47	Unknown	?	0.1811	1	1	1	1.8537		2025-09-06T03:27:20
L2555605-02N	48	Unknown	?	0.4244	1	1	1	4.3434		2025-09-06T03:28:26
WG2111365/367-3	49	Unknown	?	0.4315	1	1	1	4.4157		2025-09-06T03:29:31
WG2111365/367-4	50	Unknown	?	0.7718	1	1	1	7.8977		2025-09-06T03:30:36
WG2111362-3	51	Unknown	?	0.4289	1	1	1	4.3891		2025-09-06T03:31:41
WG2111362-4	52	Unknown	?	0.7838	1	1	1	8.0211	OVR	2025-09-06T03:32:45
L2zzP605-03N	53	Unknown	?	0.6040	1	1	1	6.1813		2025-09-06T03:33:49
L2555605-04N	54	Unknown	?	0.1376	1	1	1	1.4085		2025-09-06T03:34:53
CCV NO3	55	QC	1	0.1043	1	1	1	1.0678		2025-09-06T03:35:57
CCV NO2	56	QC	?	0.1087	1	1	1	1.1124		2025-09-06T03:37:03
CCB	57	QC	0	0.0000	1	1	1	0.0005		2025-09-06T03:38:15
L2555605-05N	58	Unknown	?	0.3941	1	1	1	4.0333		2025-09-06T03:39:20
L2555605-06N	59	Unknown	?	0.3762	1	1	1	3.8504		2025-09-06T03:40:27
L2555605-07N	60	Unknown	?	0.3048	1	1	1	3.1191		2025-09-06T03:41:33
L2555605-08N	61	Unknown	?	0.2131	1	1	1	2.1808		2025-09-06T03:42:39
L2555382-01A	62	Unknown	?	0.0296	1	1	1	0.3034		2025-09-06T03:43:45
L2555382-02A	63	Unknown	?	0.0302	1	1	1	0.3089		2025-09-06T03:44:51
L2555382-03A	64	Unknown	?	0.0312	1	1	1	0.3196		2025-09-06T03:45:56
L2555382-04A	65	Unknown	?	0.0313	1	1	1	0.3206		2025-09-06T03:47:02

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555459-01S	66	Unknown	?	0.0000	1	1	1	0.0003		2025-09-06T03:48:10
L2555956-01F	67	Unknown	?	0.0028	1	1	1	0.0289		2025-09-06T03:49:12
CCV NO3	68	QC	1	0.1048	1	1	1	1.0727		2025-09-06T03:50:17
CCV NO2	69	QC	?	0.1086	1	1	1	1.1118		2025-09-06T03:51:22
CCB	70	QC	0	0.0001	1	1	1	0.0010		2025-09-06T03:52:33
WG2111364-3	71	Unknown	?	0.0012	1	1	1	0.0124		2025-09-06T03:53:40
WG2111364-4	72	Unknown	?	0.4267	1	1	1	4.3664		2025-09-06T03:54:46
WG2111361-3	73	Unknown	?	-0.0001	1	1	1	-0.0012		2025-09-06T03:55:22
WG2111361-4	74	Unknown	?	0.4276	1	1	1	4.3755		2025-09-06T03:56:55
L2555956-02F	75	Unknown	?	0.0011	1	1	1	0.0121		2025-09-06T03:57:59
L2555956-03F	76	Unknown	?	0.0020	1	1	1	0.0209		2025-09-06T03:59:04
L2555956-04F	77	Unknown	?	0.0028	1	1	1	0.0287		2025-09-06T04:00:11
L2555622-01A	78	Unknown	?	0.0294	1	1	1	0.3014		2025-09-06T04:01:17
WG2111366/368-3	79	Unknown	?	0.0290	1	1	1	0.2972		2025-09-06T04:02:24
WG2111366/368-4	80	Unknown	?	0.4710	1	1	1	4.8202		2025-09-06T04:03:29
CCV NO3	81	QC	1	0.1028	1	1	1	1.0521		2025-09-06T04:04:35
CCV NO2	82	QC	?	0.1070	1	1	1	1.0956		2025-09-06T04:05:40
CCB	83	QC	0	0.0000	1	1	1	0.0005		2025-09-06T04:06:52
WG2111363-3	84	Unknown	?	0.0290	1	1	1	0.2967		2025-09-06T04:08:00
WG2111363-4	85	Unknown	?	0.4910	1	1	1	5.0245		2025-09-06T04:09:08
L2555671-01C	86	Unknown	?	0.0158	1	1	1	0.1619		2025-09-06T04:10:12
WG2111369-3	87	Unknown	?	0.0154	1	1	1	0.1580		2025-09-06T04:11:18
WG2111369-4	88	Unknown	?	0.4023	1	1	1	4.1166		2025-09-06T04:12:23
L2555671-02C	89	Unknown	?	0.0157	1	1	1	0.1610		2025-09-06T04:13:27
L2555671-03C	90	Unknown	?	0.0202	1	1	1	0.2069		2025-09-06T04:14:32
L2555671-04C	91	Unknown	?	0.0196	1	1	1	0.2010		2025-09-06T04:15:36
L2555260-01C	92	Unknown	?	0.0054	1	1	1	0.0560		2025-09-06T04:16:40
L2555260-03C	93	Unknown	?	0.0192	1	1	1	0.1965		2025-09-06T04:17:44
CCV NO3	94	QC	1	0.1043	1	1	1	1.0676		2025-09-06T04:18:49
CCV NO2	95	QC	?	0.1073	1	1	1	1.0988		2025-09-06T04:19:53
CCB	96	QC	0	0.0001	1	1	1	0.0011		2025-09-06T04:21:06
L2555260-05C	97	Unknown	?	0.3199	1	1	1	3.2737		2025-09-06T04:22:15
WG2111367-5	98	Unknown	?	0.3193	1	1	1	3.2676		2025-09-06T04:23:23

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111367-6	99	Unknown	?	0.6875	1	1	1	7.0356		2025-09-06T04:24:29
L2554370-01L	100	Unknown	?	0.0141	1	1	1	0.1448		2025-09-06T04:25:35
L2554370-02L	101	Unknown	?	0.0066	1	1	1	0.0684		2025-09-06T04:26:42
L2554370-03L	102	Unknown	?	0.0041	1	1	1	0.0420		2025-09-06T04:27:47
L2554370-04L	103	Unknown	?	0.0037	1	1	1	0.0387		2025-09-06T04:28:53
L2554370-05L	104	Unknown	?	0.0507	1	1	1	0.5194		2025-09-06T04:29:58
L2554370-06L	105	Unknown	?	0.0064	1	1	1	0.0656		2025-09-06T04:31:04
L2554370-07L	106	Unknown	?	0.0620	1	1	1	0.6352		2025-09-06T04:32:08
CCV NO3	107	QC	1	0.1039	1	1	1	1.0630		2025-09-06T04:33:12
CCV NO2	108	QC	?	0.1091	1	1	1	1.1170		2025-09-06T04:34:18
CCB	109	QC	0	0.0001	1	1	1	0.0013		2025-09-06T04:35:31
L2554370-08L	110	Unknown	?	0.1470	1	1	1	1.5044		2025-09-06T04:36:34
L2554370-09L	111	Unknown	?	0.0040	1	1	1	0.0411		2025-09-06T04:37:38
L2554370-10L	112	Unknown	?	0.0258	1	1	1	0.2644		2025-09-06T04:38:44
L2554370-11L	113	Unknown	?	0.5415	1	1	1	5.5415		2025-09-06T04:39:48
L2554370-12L	114	Unknown	?	0.0615	1	1	1	0.6300		2025-09-06T04:40:52
L2554785-01A	115	Unknown	?	0.2051	1	1	1	2.0992		2025-09-06T04:41:58
L2554788-02C	116	Unknown	?	0.2074	1	1	1	2.1222		2025-09-06T04:43:04
L2555529-01K	117	Unknown	?	0.0069	1	1	1	0.0708		2025-09-06T04:44:11
L2555569-01E	118	Unknown	?	0.0261	1	1	1	0.2673		2025-09-06T04:45:18
L2555092-01A	119	Unknown	?	0.1806	1	1	1	1.8486		2025-09-06T04:46:23
CCV NO3	120	QC	1	0.1052	1	1	1	1.0769		2025-09-06T04:47:29
CCV NO2	121	QC	?	0.1123	1	1	1	1.1494		2025-09-06T04:48:34
CCB	122	QC	0	0.0011	1	1	1	0.0118		2025-09-06T04:49:51
L2555902-02H	123	Unknown	?	0.0064	1	1	1	0.0660		2025-09-06T04:50:54
L2555951-01D	124	Unknown	?	0.0045	1	1	1	0.0459		2025-09-06T04:52:01
L2555605-03N	125	Unknown	?	0.6090	1	1	1	6.2317		2025-09-06T04:53:06
CCV NO3	126	QC	1	0.1030	1	1	1	1.0547		2025-09-06T04:54:10
CCV NO2	127	QC	?	0.1081	1	1	1	1.1061		2025-09-06T04:55:15
CCB	128	QC	0	0.0000	1	1	1	0.0002		2025-09-06T04:55:59
Unknown1	129	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T05:05:08
spacer	130	Unknown	?	0.0007	1	1	1	0.0076		2025-09-06T05:06:43
spacer	131	Unknown	?	0.0002	1	1	1	0.0028		2025-09-06T05:07:47

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111362-4	132	Unknown	?	0.0017	1	10	1	0.1768		2025-09-06T05:08:47
WG2111365/367-4	133	Unknown	?	0.0012	1	5	1	0.0623		2025-09-06T05:09:55
CCV NO3	134	QC	1	0.1033	1	1	1	1.0572		2025-09-06T05:11:05
CCV NO2	135	QC	?	0.1108	1	1	1	1.1342		2025-09-06T05:12:11
CCB	136	QC	0	0.0006	1	1	1	0.0069		2025-09-06T05:13:27

Channel: 2-NO2

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T02:35:20
NOx 8.0ppm	2	Standard	?	0.0001	1	1	1	-0.0036		2025-09-06T02:36:59
NOx 4.0ppm	3	Standard	?	0.0001	1	1	1	-0.0041		2025-09-06T02:37:34
NOx 1.0ppm	4	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:38:54
NOx 0.4ppm	5	Standard	?	0.0001	1	1	1	-0.0043		2025-09-06T02:39:54
NOx 0.2ppm	6	Standard	?	0.0001	1	1	1	-0.0044		2025-09-06T02:41:31
NOx 0.1ppm	7	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	?	0.0000	1	1	1	-0.0044		2025-09-06T02:43:22
Nitrite 8.0ppm	9	Standard	8	0.8762	1	1	1	7.3279		2025-09-06T02:44:29
Nitrite 4.0ppm	10	Standard	4	0.4744	1	1	1	3.9657		2025-09-06T02:45:38
Nitrite 1.0ppm	11	Standard	1	0.1269	1	1	1	1.0571		2025-09-06T02:46:44
Nitrite 0.4ppm	12	Standard	0.4	0.0510	1	1	1	0.4222		2025-09-06T02:47:54
Nitrite 0.1ppm	13	Standard	0.1	0.0130	1	1	1	0.1041		2025-09-06T02:49:03
Nitrite 0.05ppm	14	Standard	0.05	0.0064	1	1	1	0.0486		2025-09-06T02:50:12
Nitrite 0.0ppm	15	Standard	0	0.0000	1	1	1	-0.0046		2025-09-06T02:51:25
CCV NO3	16	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T02:52:39
CCV NO2	17	QC	1	0.1268	1	1	1	1.0566		2025-09-06T02:53:33
CCB	18	QC	0	0.0004	1	1	1	-0.0017		2025-09-06T02:54:44
ICV NO3 5.0	19	QC	?	0.0001	1	1	1	-0.0042		2025-09-06T02:55:50
ICV NO2 5.0	20	QC	5	0.5629	1	1	1	4.7060		2025-09-06T02:57:01
ICV NO3 0.5	21	QC	?	0.0012	1	1	1	0.0055		2025-09-06T02:58:08
ICV NO2 0.5	22	QC	0.5	0.0590	1	1	1	0.4893		2025-09-06T02:59:17
ICB	23	QC	0	0.0002	1	1	1	-0.0034		2025-09-06T03:00:26
Diluter CHK 8PPM	24	Unknown	?	0.0001	1	5	1	-0.0196		2025-09-06T03:01:35
BLANK NO3	25	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:03:00
LCS NO3	26	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T03:03:48
BLANK NO2	27	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:05:18
LCS NO2	28	Unknown	?	0.5650	1	1	1	4.7233		2025-09-06T03:06:00
CCV NO3	29	QC	?	0.0015	1	1	1	0.0079		2025-09-06T03:07:06
CCV NO2	30	QC	1	0.1261	1	1	1	1.0505		2025-09-06T03:08:11
CCB	31	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:09:22
WG2111361-1	32	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:10:30
WG2111361-2	33	Unknown	?	0.5668	1	1	1	4.7382		2025-09-06T03:11:36
WG2111362/363-1	34	Unknown	?	0.0013	1	1	1	0.0057		2025-09-06T03:12:42
WG2111362/363-2	35	Unknown	?	0.5688	1	1	1	4.7555		2025-09-06T03:13:46
WG2111364-1	36	Unknown	?	0.0014	1	1	1	0.0073		2025-09-06T03:14:51
WG2111364-2	37	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:15:58
WG2111365/363/368-1	38	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:17:07
WG2111365/365/368-2	39	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:18:11
WG2111367-1	40	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:19:47
WG2111367-2	41	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:21:01
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T03:21:33
CCV NO2	43	QC	1	0.1268	1	1	1	1.0563		2025-09-06T03:22:35
CCB	44	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:23:47
WG2111369-1	45	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:24:53
WG2111369-2	46	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:25:59
L2555605-01N	47	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:27:07
L2555605-02N	48	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:28:13
WG2111365/367-3	49	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:29:20
WG2111365/367-4	50	Unknown	?	0.0022	1	1	1	0.0133		2025-09-06T03:30:23
WG2111362-3	51	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:31:27
WG2111362-4	52	Unknown	?	0.4568	1	1	1	3.8181		2025-09-06T03:32:32
L2zzP605-03N	53	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:33:34
L2555605-04N	54	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:34:39
CCV NO3	55	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T03:35:44
CCV NO2	56	QC	1	0.1274	1	1	1	1.0614		2025-09-06T03:36:50
CCB	57	QC	0	0.0001	1	1	1	-0.0039		2025-09-06T03:37:59
L2555605-05N	58	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T03:39:19

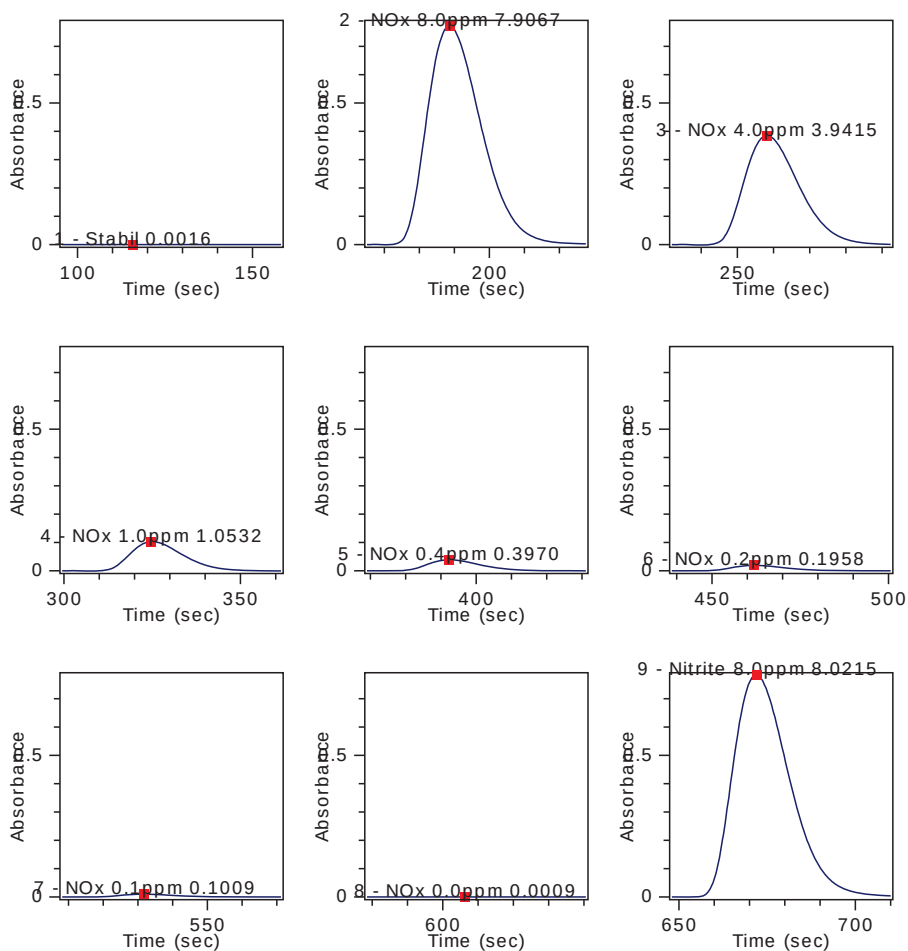
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L2555605-07N	60	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:41:20
L2555605-08N	61	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:42:29
L2555382-01A	62	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:43:33
L2555382-02A	63	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:44:38
L2555382-03A	64	Unknown	?	0.0022	1	1	1	0.0136		2025-09-06T03:45:44
L2555382-04A	65	Unknown	?	0.0022	1	1	1	0.0134		2025-09-06T03:46:49
L2555459-01S	66	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:48:11
L2555956-01F	67	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:48:59
CCV NO3	68	QC	?	0.0003	1	1	1	-0.0021		2025-09-06T03:50:44
CCV NO2	69	QC	1	0.1276	1	1	1	1.0628		2025-09-06T03:51:10
CCB	70	QC	0	0.0001	1	1	1	-0.0037		2025-09-06T03:52:19
WG2111364-3	71	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:53:24
WG2111364-4	72	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T03:54:29
WG2111361-3	73	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:55:36
WG2111361-4	74	Unknown	?	0.5039	1	1	1	4.2121		2025-09-06T03:56:41
L2555956-02F	75	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:57:43
L2555956-03F	76	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:58:50
L2555956-04F	77	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T03:59:58
L2555622-01A	78	Unknown	?	0.0088	1	1	1	0.0684		2025-09-06T04:01:05
WG2111366/368-3	79	Unknown	?	0.0088	1	1	1	0.0687		2025-09-06T04:02:11
WG2111366/368-4	80	Unknown	?	0.0086	1	1	1	0.0675		2025-09-06T04:03:17
CCV NO3	81	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T04:04:21
CCV NO2	82	QC	1	0.1286	1	1	1	1.0712		2025-09-06T04:05:27
CCB	83	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:06:37
WG2111363-3	84	Unknown	?	0.0088	1	1	1	0.0686		2025-09-06T04:07:47
WG2111363-4	85	Unknown	?	0.5440	1	1	1	4.5480		2025-09-06T04:08:54
L2555671-01C	86	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:09:59
WG2111369-3	87	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:11:04
WG2111369-4	88	Unknown	?	0.0028	1	1	1	0.0185		2025-09-06T04:12:10
L2555671-02C	89	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:13:15
L2555671-03C	90	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:14:17
L2555671-04C	91	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:15:24

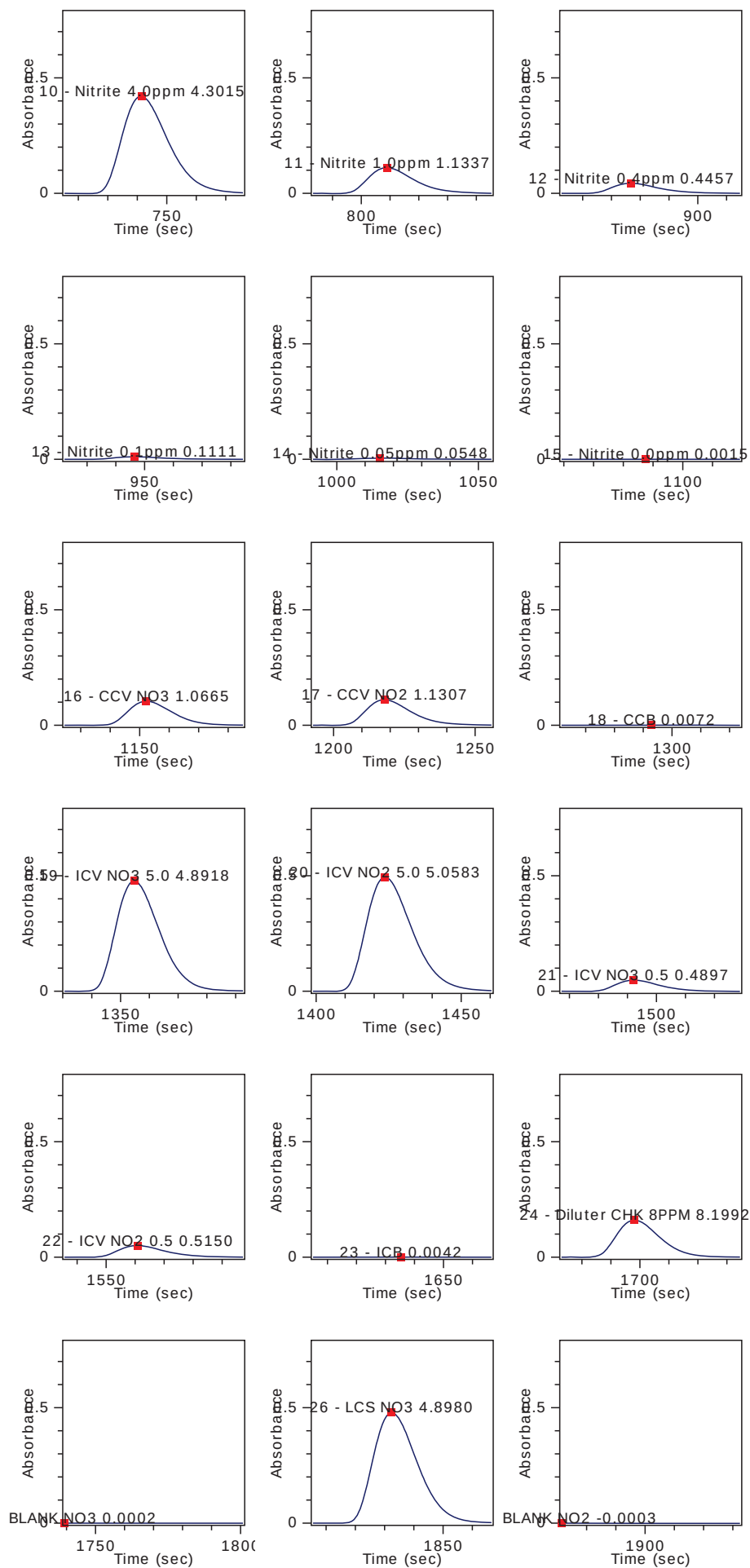
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L2555260-01C	92	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T04:16:25
L2555260-03C	93	Unknown	?	0.0003	1	1	1	-0.0026		2025-09-06T04:17:30
CCV NO3	94	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T04:18:38
CCV NO2	95	QC	1	0.1278	1	1	1	1.0648		2025-09-06T04:19:40
CCB	96	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:20:53
L2555260-05C	97	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T04:22:01
WG2111367-5	98	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:23:08
WG2111367-6	99	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:24:16
L2554370-01L	100	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:25:23
L2554370-02L	101	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T04:26:28
L2554370-03L	102	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:27:34
L2554370-04L	103	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:28:40
L2554370-05L	104	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:29:43
L2554370-06L	105	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:30:49
L2554370-07L	106	Unknown	?	0.0003	1	1	1	-0.0021		2025-09-06T04:31:55
CCV NO3	107	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:33:05
CCV NO2	108	QC	1	0.1280	1	1	1	1.0664		2025-09-06T04:34:05
CCB	109	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:35:13
L2554370-08L	110	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:36:20
L2554370-09L	111	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T04:37:25
L2554370-10L	112	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:38:29
L2554370-11L	113	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:39:33
L2554370-12L	114	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T04:40:34
L2554785-01A	115	Unknown	?	0.0003	1	1	1	-0.0019		2025-09-06T04:41:45
L2554788-02C	116	Unknown	?	0.0007	1	1	1	0.0012		2025-09-06T04:42:52
L2555529-01K	117	Unknown	?	0.0006	1	1	1	0.0004		2025-09-06T04:43:57
L2555569-01E	118	Unknown	?	0.0003	1	1	1	-0.0025		2025-09-06T04:45:04
L2555092-01A	119	Unknown	?	0.0017	1	1	1	0.0092		2025-09-06T04:46:11
CCV NO3	120	QC	?	0.0001	1	1	1	-0.0041		2025-09-06T04:47:17
CCV NO2	121	QC	1	0.1287	1	1	1	1.0720		2025-09-06T04:48:21
CCB	122	QC	0	0.0007	1	1	1	0.0012		2025-09-06T04:49:32
L2555902-02H	123	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:50:40
L2555951-01D	124	Unknown	?	0.0004	1	1	1	-0.0015		2025-09-06T04:51:49

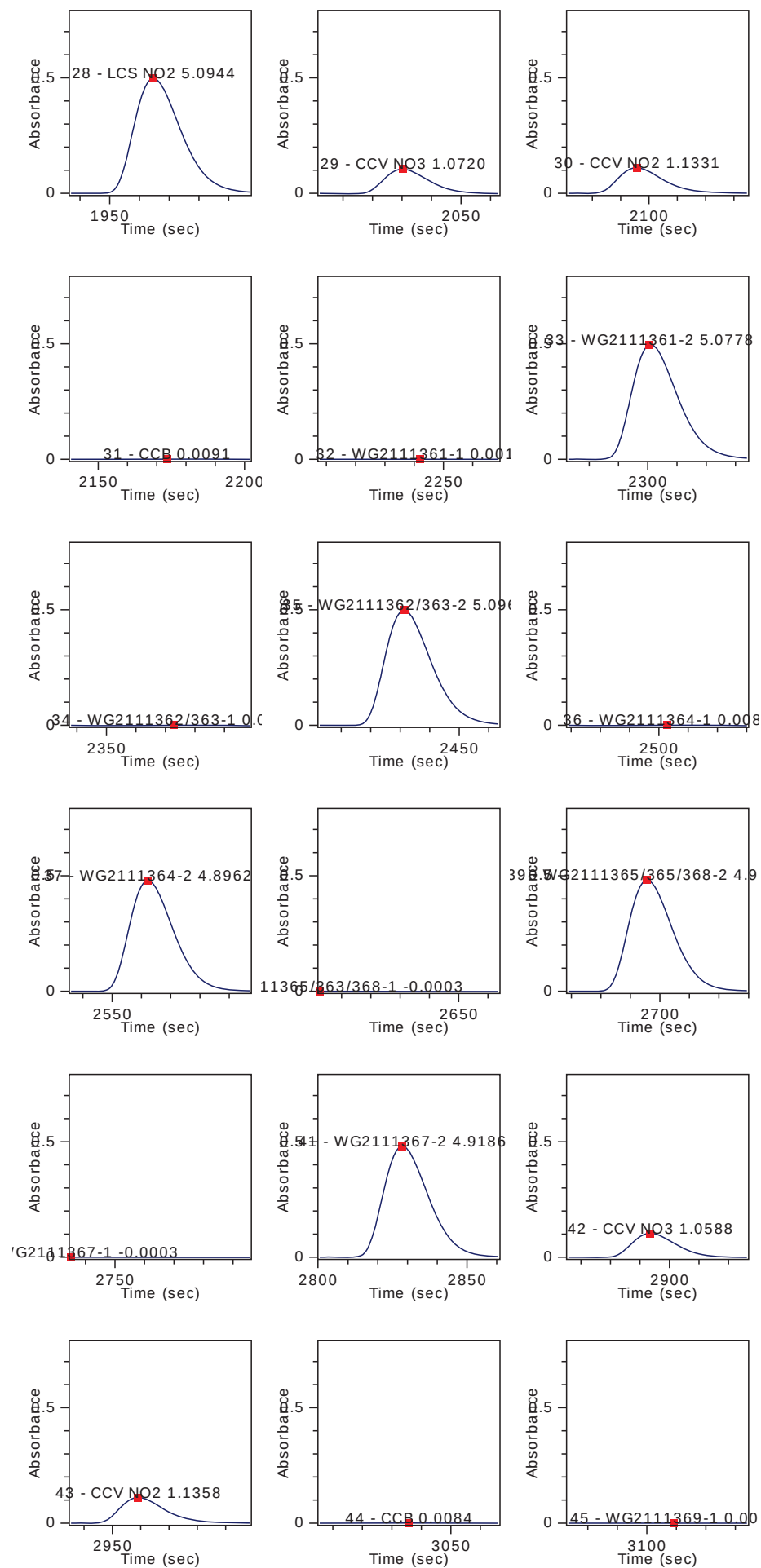
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L2555605-03N	125	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T04:52:52
CCV NO3	126	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:53:59
CCV NO2	127	QC	1	0.1292	1	1	1	1.0766		2025-09-06T04:55:03
CCB	128	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:56:16
Unknown1	129	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T05:06:03
spacer	130	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:06:29
spacer	131	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:07:34
WG2111362-4	132	Unknown	?	0.0016	1	10	1	0.0863		2025-09-06T05:08:43
WG2111365/367-4	133	Unknown	?	0.0019	1	5	1	0.0544		2025-09-06T05:09:51
CCV NO3	134	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T05:10:46
CCV NO2	135	QC	1	0.1283	1	1	1	1.0687		2025-09-06T05:11:59
CCB	136	QC	0	0.0008	1	1	1	0.0016		2025-09-06T05:13:09

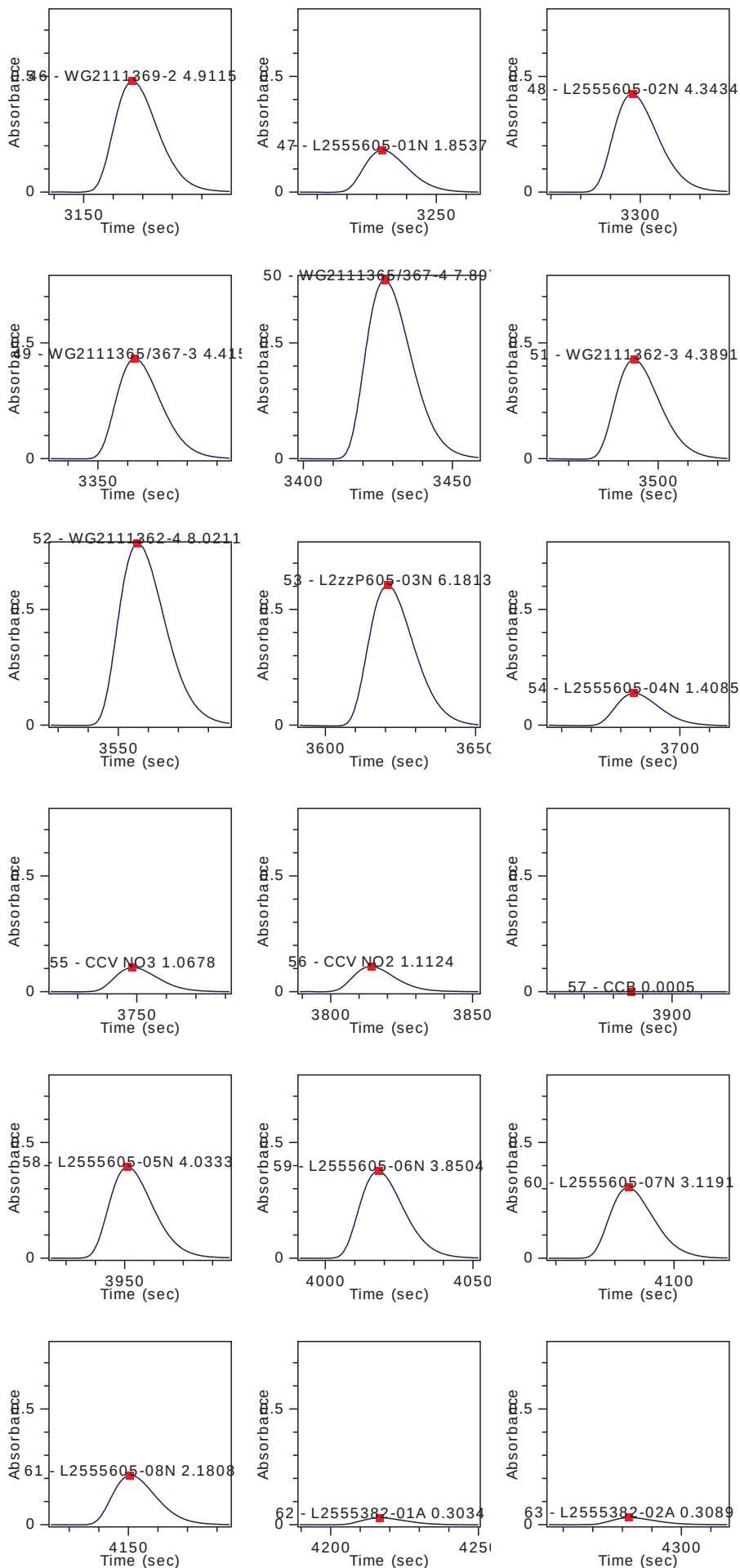
Peaks:

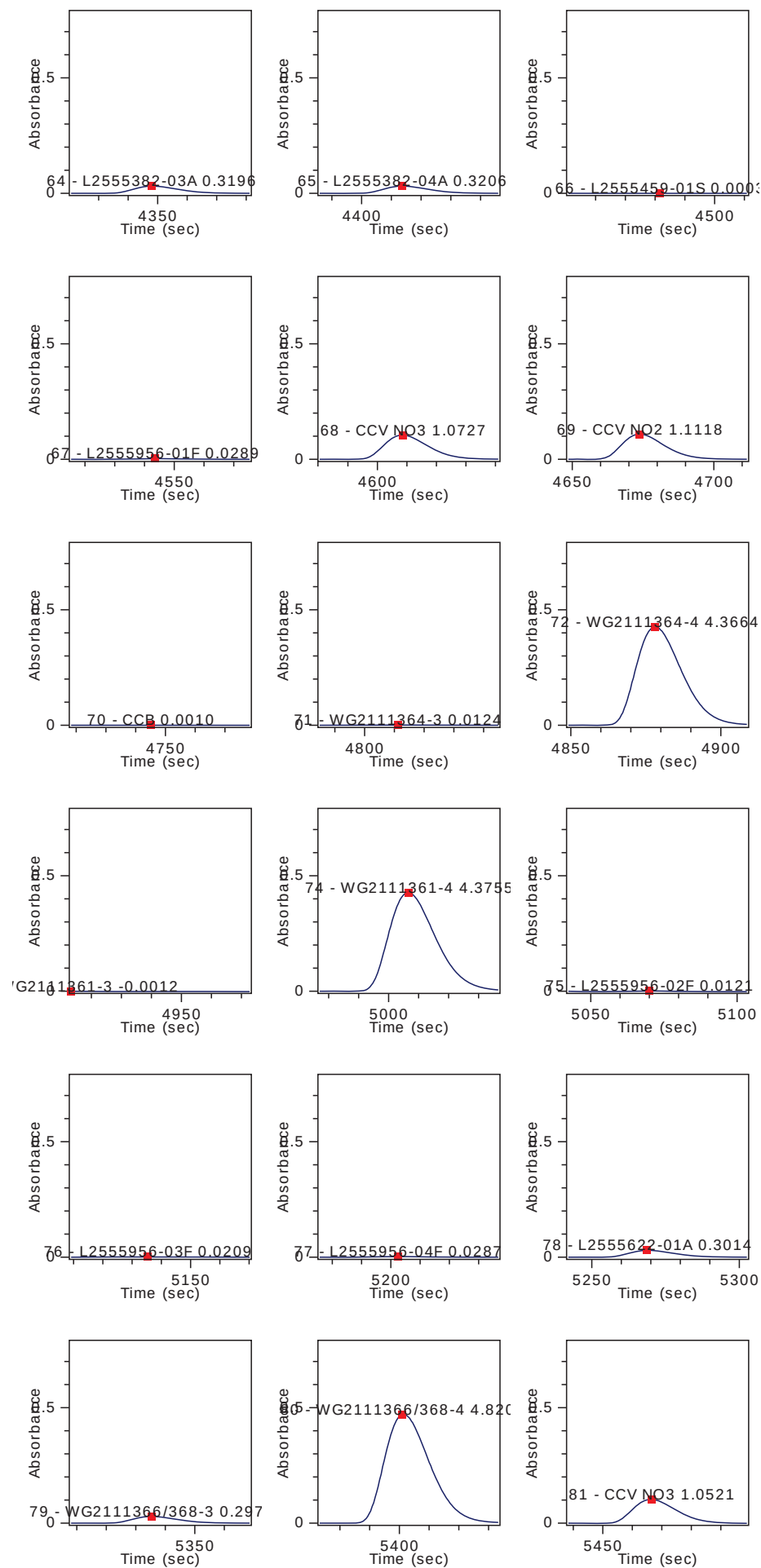
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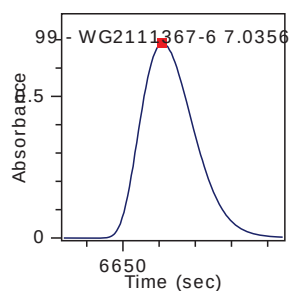
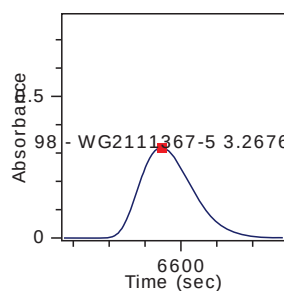
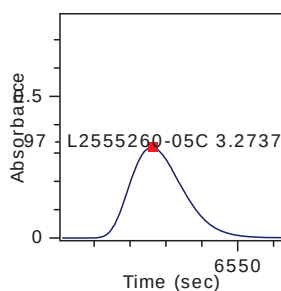
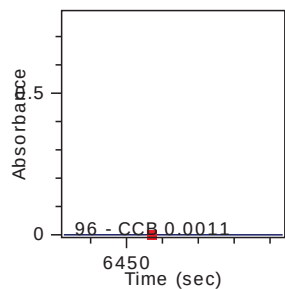
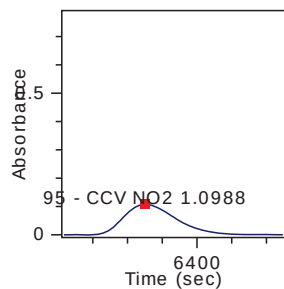
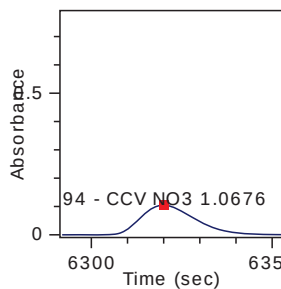
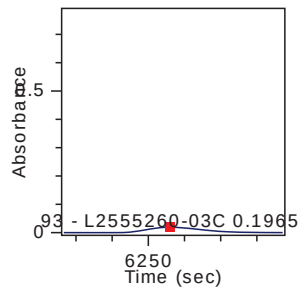
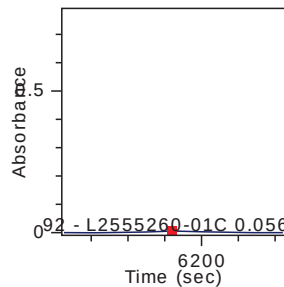
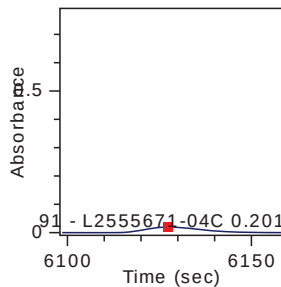
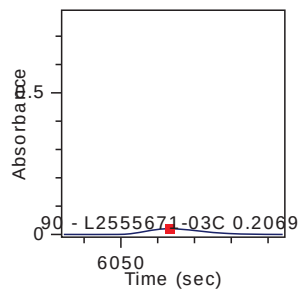
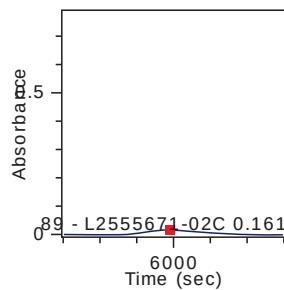
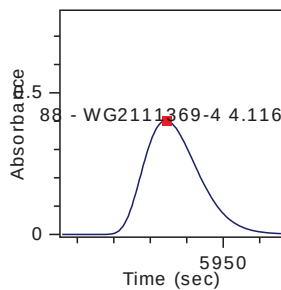
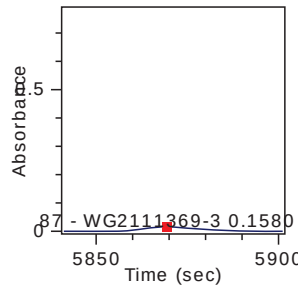
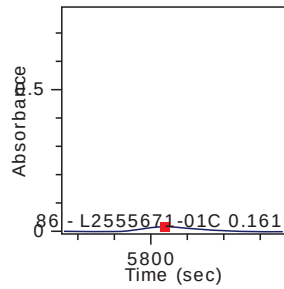
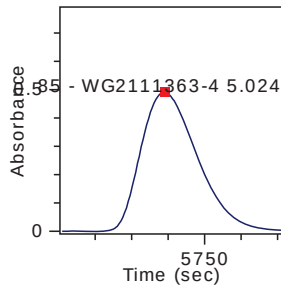
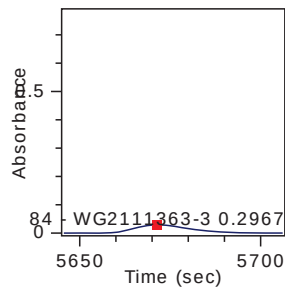
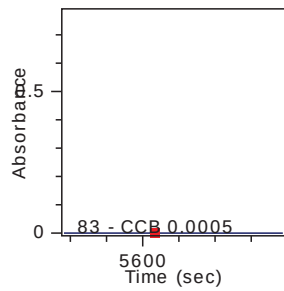
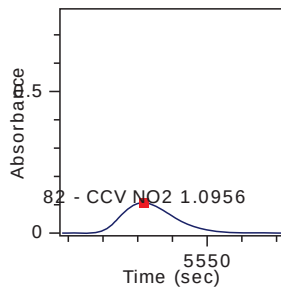


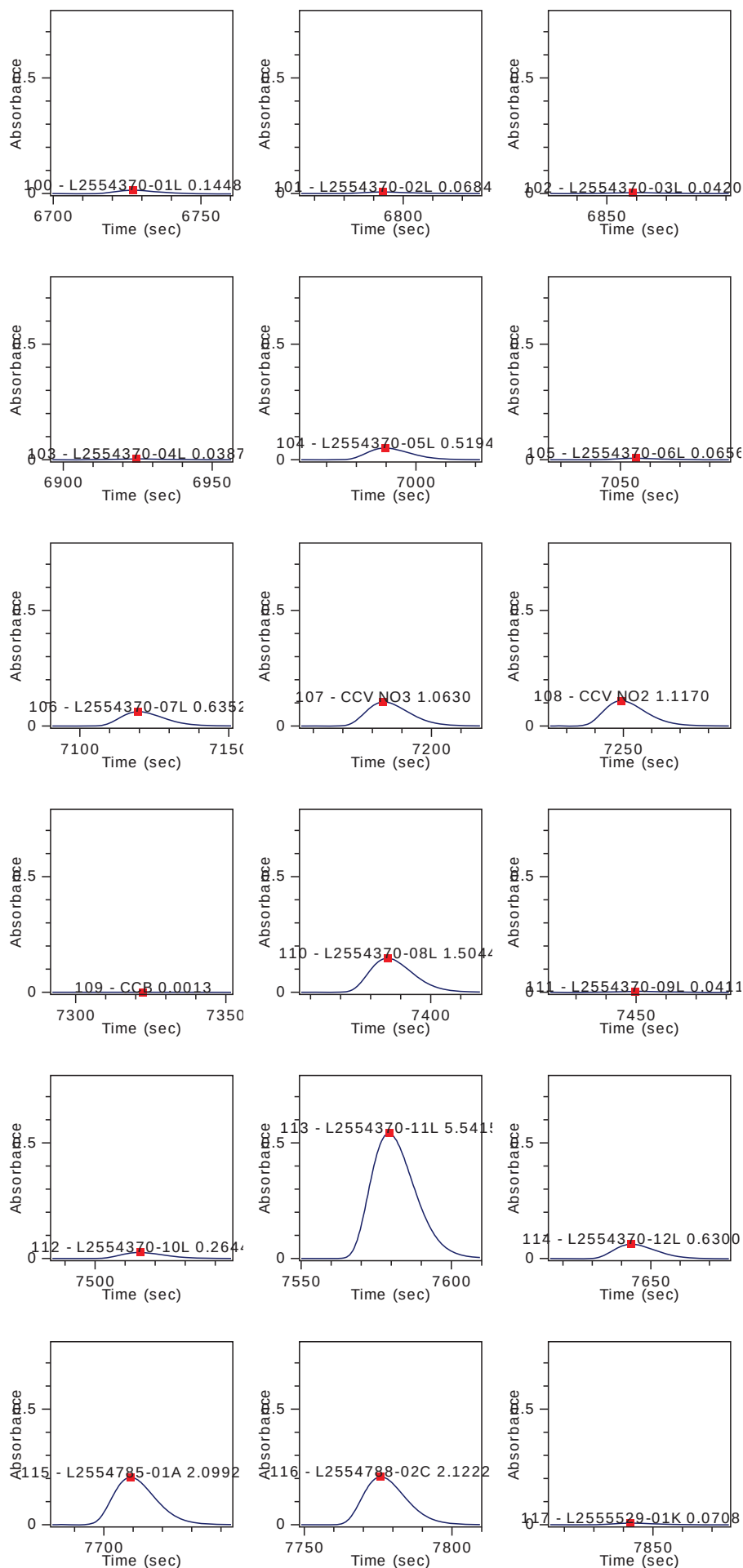


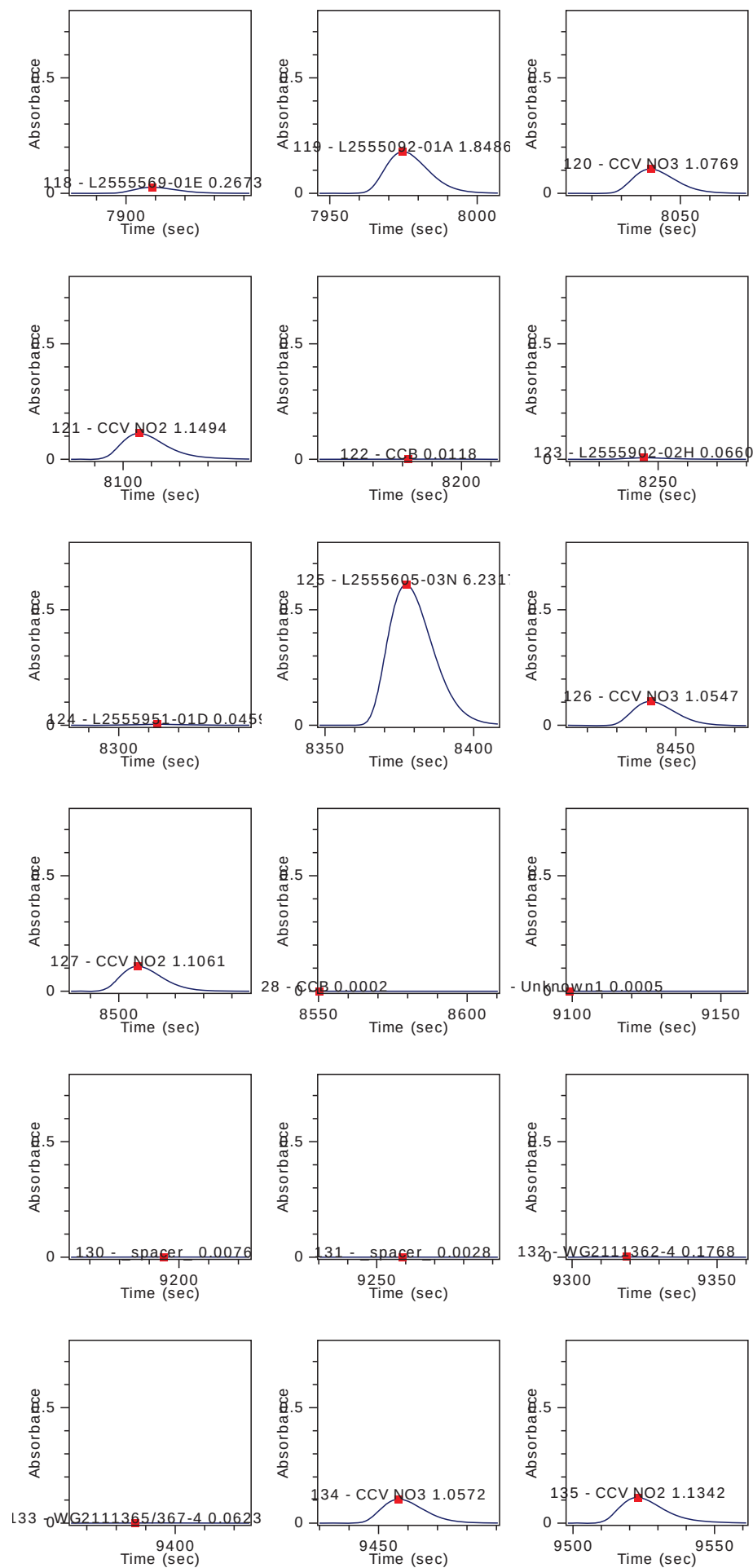


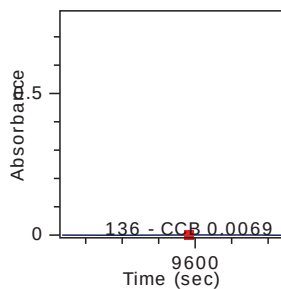




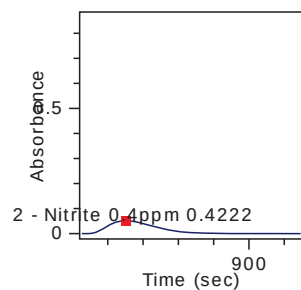
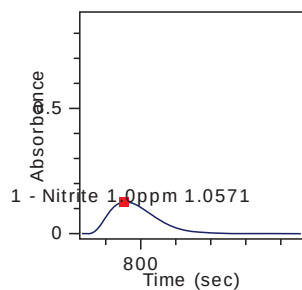
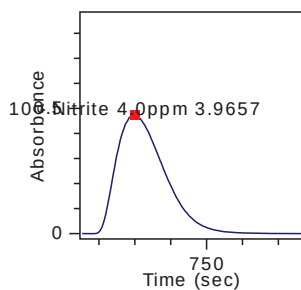
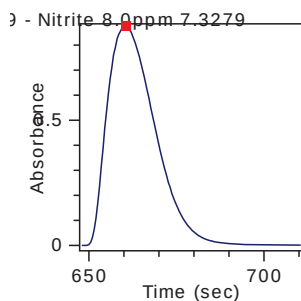
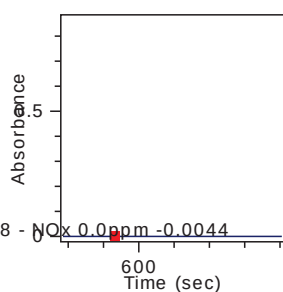
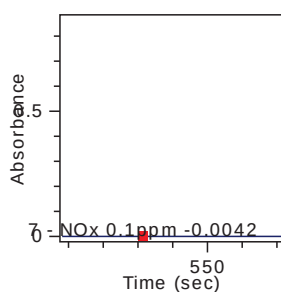
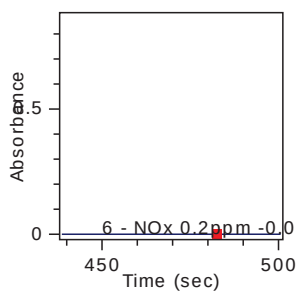
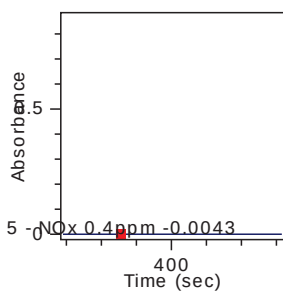
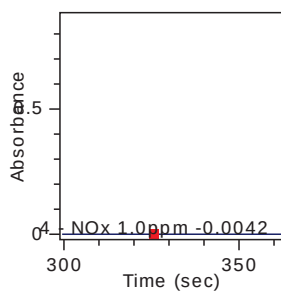
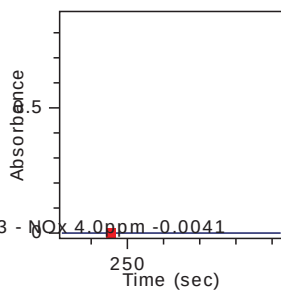
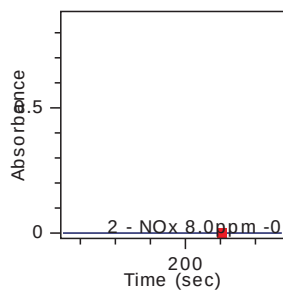
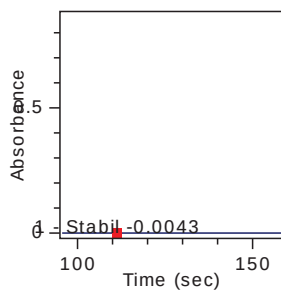


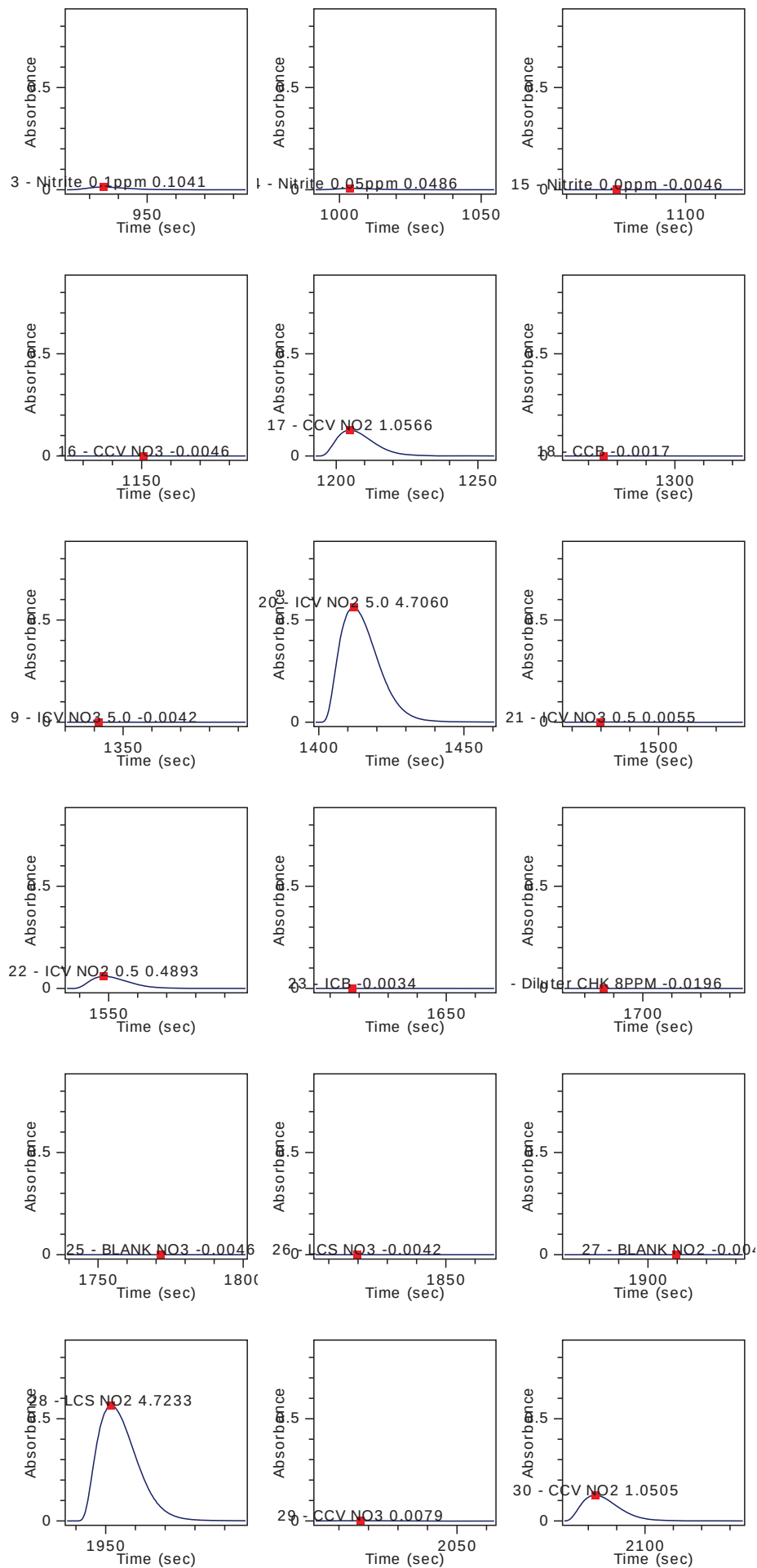


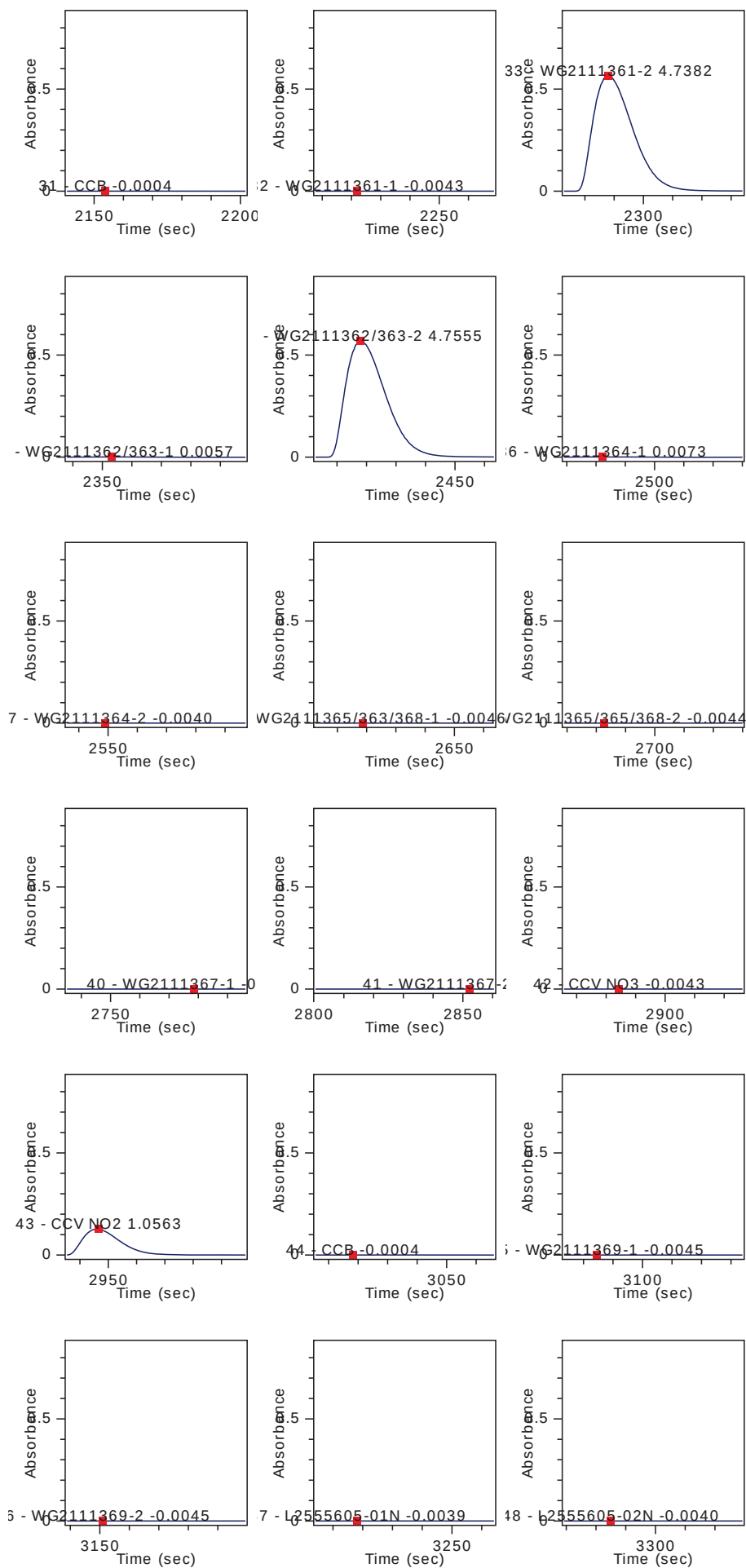


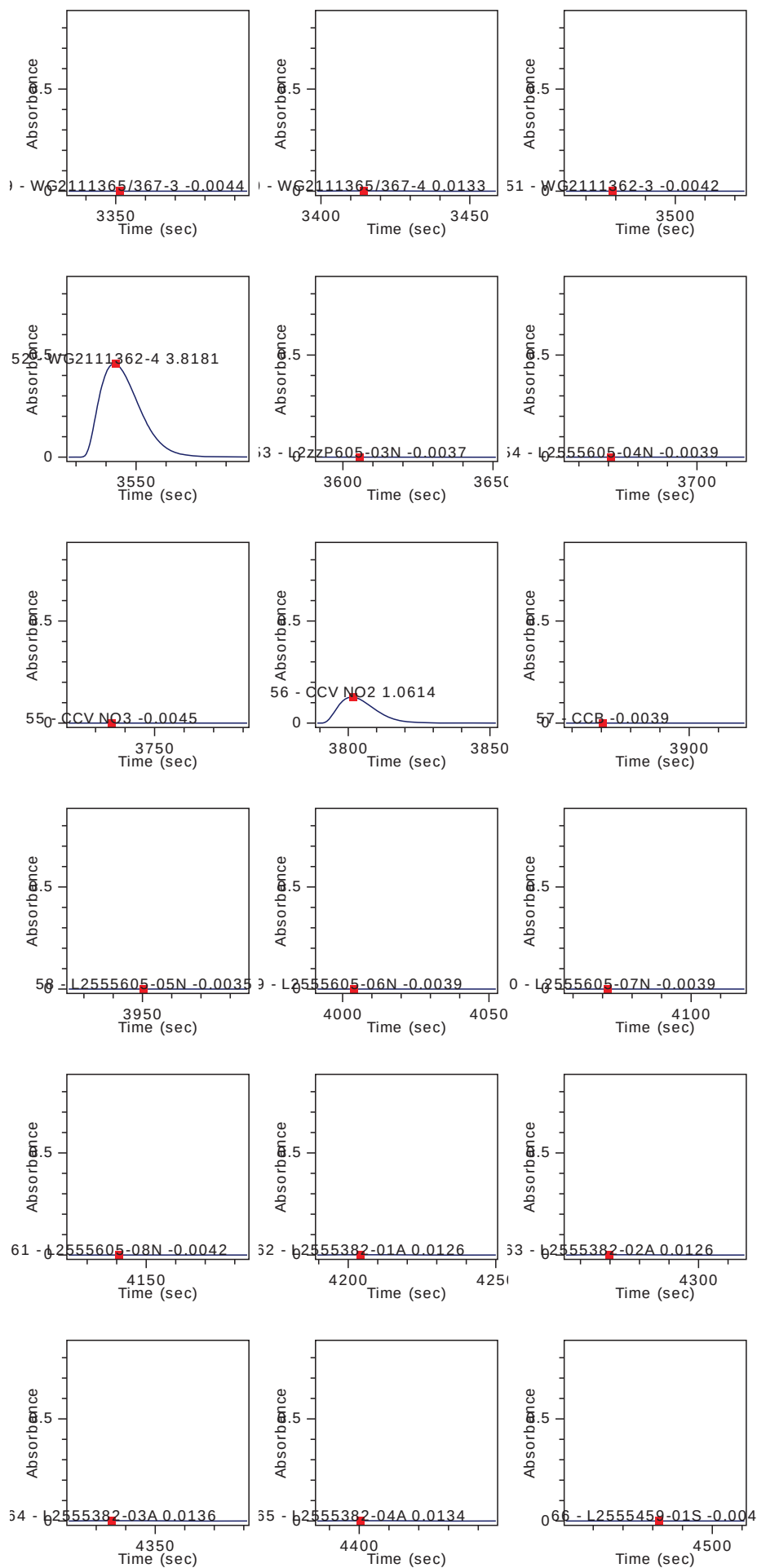


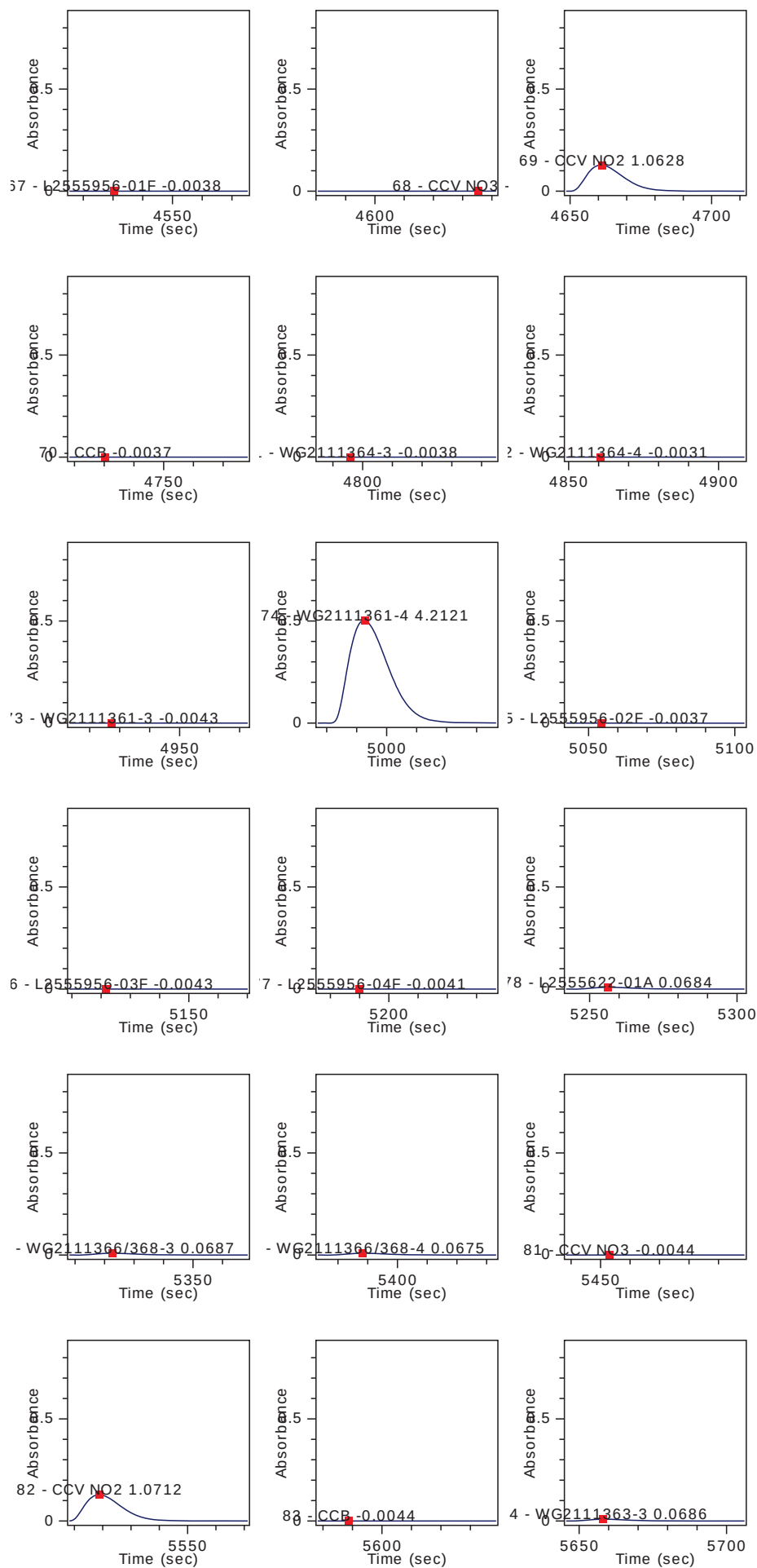
Channel: 2-NO2

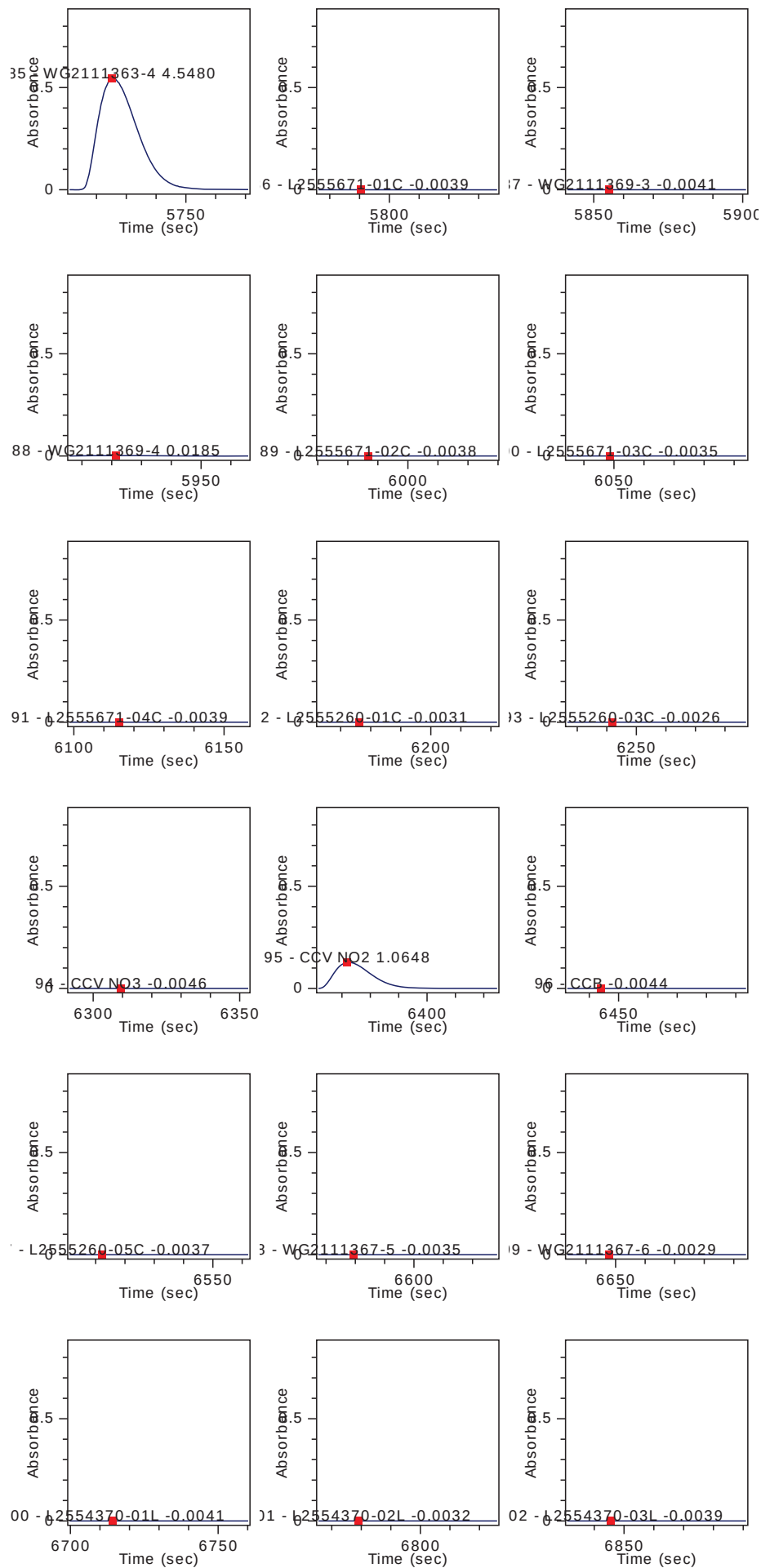


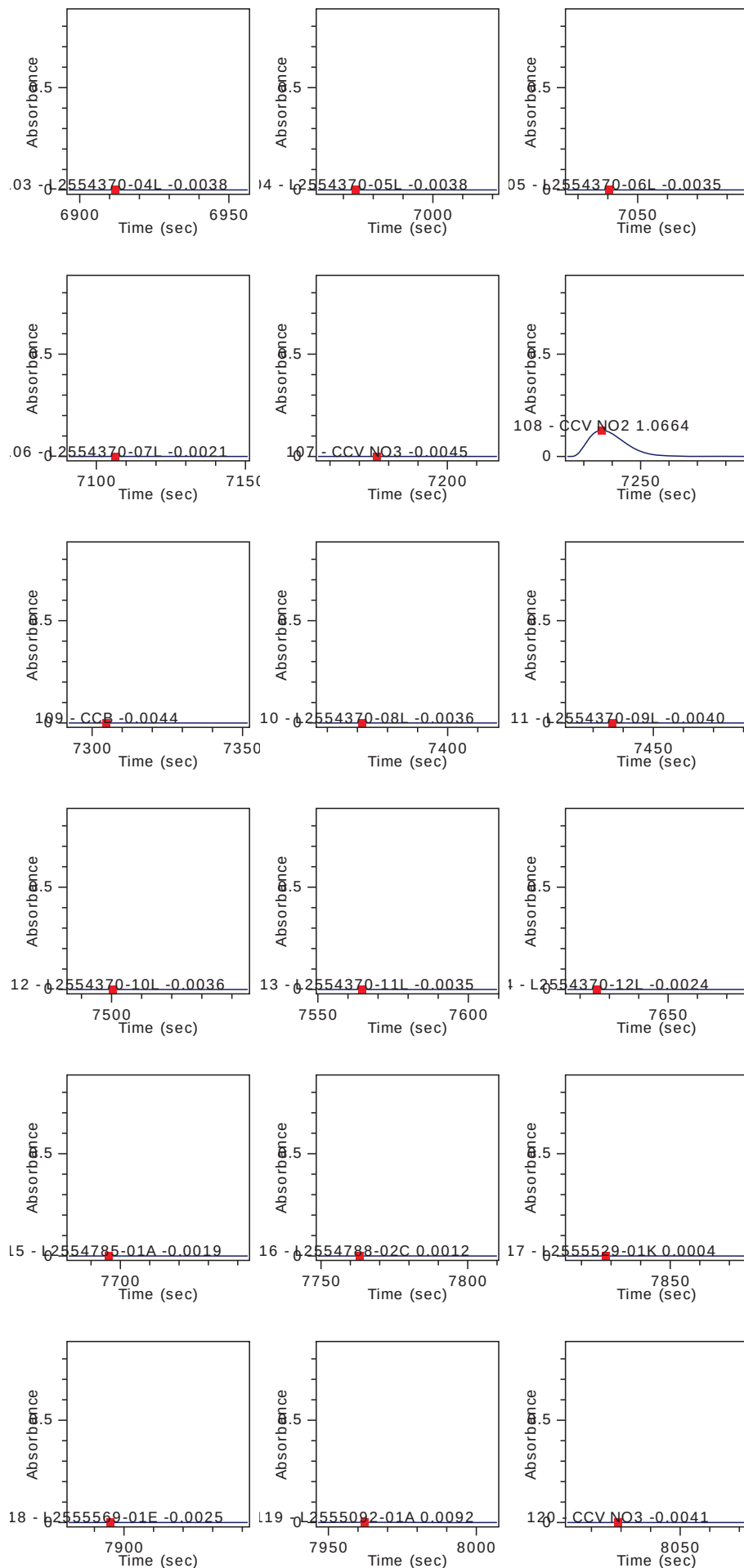


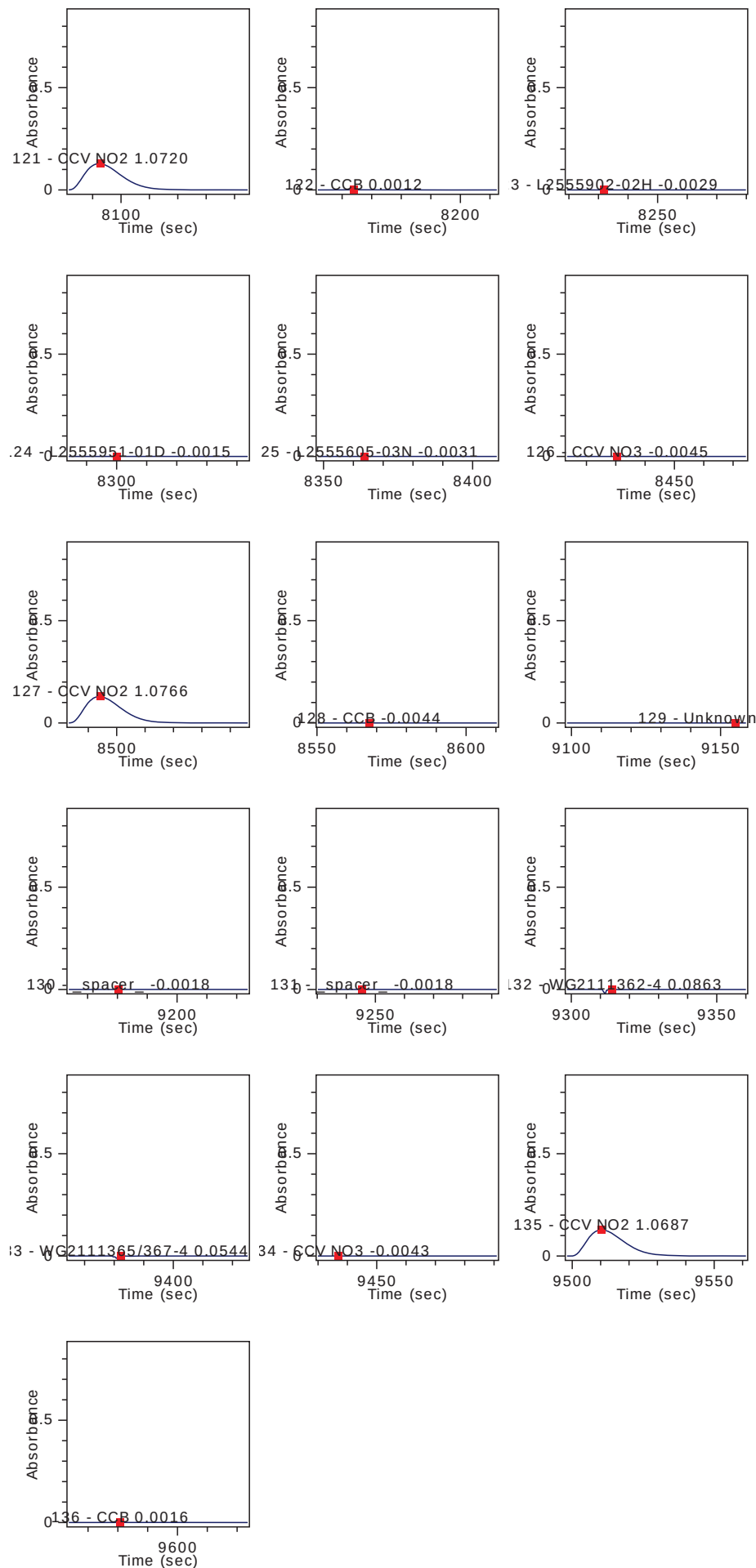












Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T02:33:29

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:36

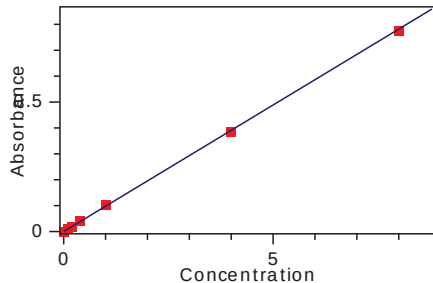
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
---------	--

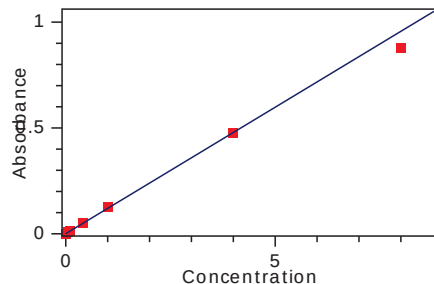
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	N/A
10002	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	N/A
10003	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	N/A
10004	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	N/A
10005	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	N/A
10006	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	N/A



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	N/A
10002	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	N/A
10003	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	N/A
10004	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	N/A
10005	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	N/A
10006	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	N/A
10007	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0002	1	1	1	0.0025		2025-09-06T07:21:15
CCV NO3	2	QC	1	0.1049	1	1	1	1.0735		2025-09-06T07:22:28
CCV NO2	3	QC	?	0.1104	1	1	1	1.1304		2025-09-06T07:23:34
CCB	4	QC	0	0.0009	1	1	1	0.0091		2025-09-06T07:24:49

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111365/367-4	5	Unknown	?	0.1617	1	5	1	8.2740		2025-09-06T07:25:52
WG2111400-1	6	Unknown	?	0.0000	1	1	1	0.0001		2025-09-06T07:26:31
WG2111400-2	7	Unknown	?	0.4844	1	1	1	4.9570		2025-09-06T07:28:04
WG2111401-1	8	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T07:28:41
WG2111401-2	9	Unknown	?	0.4862	1	1	1	4.9758		2025-09-06T07:30:14
L2554780-02A	10	Unknown	?	0.6651	1	1	1	6.8060		2025-09-06T07:31:20
WG2111400-3	11	Unknown	?	0.6590	1	1	1	6.7436		2025-09-06T07:32:24
WG2111400-4	12	Unknown	?	0.9648	1	1	1	9.8732	OVR	2025-09-06T07:33:29
L2554800-01A	13	Unknown	?	1.3422	1	1	1	13.7344	OVR	2025-09-06T07:34:34
L2554949-01A	14	Unknown	?	0.0325	1	1	1	0.3327		2025-09-06T07:35:39
CCV NO3	15	QC	1	0.1035	1	1	1	1.0600		2025-09-06T07:36:45
CCV NO2	16	QC	?	0.1099	1	1	1	1.1249		2025-09-06T07:37:51
CCB	17	QC	0	0.0007	1	1	1	0.0075		2025-09-06T07:39:04
L2554949-02A	18	Unknown	?	0.0316	1	1	1	0.3238		2025-09-06T07:40:09
L2555006-01A	19	Unknown	?	0.0068	1	1	1	0.0697		2025-09-06T07:41:17
L2555051-02A	20	Unknown	?	0.1038	1	1	1	1.0622		2025-09-06T07:42:23
L2555051-04A	21	Unknown	?	0.0399	1	1	1	0.4088		2025-09-06T07:43:29
L2555051-07A	22	Unknown	?	0.0511	1	1	1	0.5231		2025-09-06T07:44:34
L2555094-01A	23	Unknown	?	0.1765	1	1	1	1.8067		2025-09-06T07:45:40
WG2111400-5	24	Unknown	?	0.1761	1	1	1	1.8019		2025-09-06T07:46:46
WG2111400-6	25	Unknown	?	0.5597	1	1	1	5.7280		2025-09-06T07:47:51
L2555094-02B	26	Unknown	?	0.9937	1	1	1	10.1689	OVR	2025-09-06T07:48:56
L2555509-02B	27	Unknown	?	0.0118	1	1	1	0.1215		2025-09-06T07:50:02
CCV NO3	28	QC	1	0.1031	1	1	1	1.0551		2025-09-06T07:51:06
CCV NO2	29	QC	?	0.1063	1	1	1	1.0879		2025-09-06T07:52:12
CCB	30	QC	0	0.0001	1	1	1	0.0011		2025-09-06T07:53:23
L2555509-03B	31	Unknown	?	0.3455	1	1	1	3.5354		2025-09-06T07:54:31
CCV NO3	32	QC	1	0.1021	1	1	1	1.0447		2025-09-06T07:55:36
CCV NO2	33	QC	?	0.1061	1	1	1	1.0859		2025-09-06T07:56:42
CCB	34	QC	0	0.0001	1	1	1	0.0009		2025-09-06T07:57:52
spacer	35	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T08:06:31
spacer	36	Unknown	?	0.0004	1	1	1	0.0049		2025-09-06T08:07:55
WG2111400-4	37	Unknown	?	0.1036	1	10	1	10.6067		2025-09-06T08:09:04

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554800-01A	38	Unknown	?	0.1888	1	10	1	19.3230		2025-09-06T08:10:13
L2555094-02B	39	Unknown	?	0.1104	1	10	1	11.2998		2025-09-06T08:11:21
L2554949-01A	40	Unknown	?	0.0363	1	1	1	0.3720		2025-09-06T08:12:29
L2555509-02B	41	Unknown	?	0.0146	1	1	1	0.1500		2025-09-06T08:13:35
CCV NO3	42	QC	1	0.1025	1	1	1	1.0490		2025-09-06T08:14:39
CCV NO2	43	QC	?	0.1056	1	1	1	1.0805		2025-09-06T08:15:44
CCB	44	QC	0	0.0001	1	1	1	0.0009		2025-09-06T08:16:57

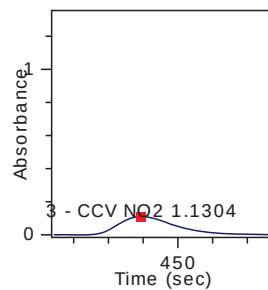
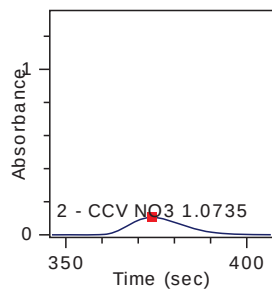
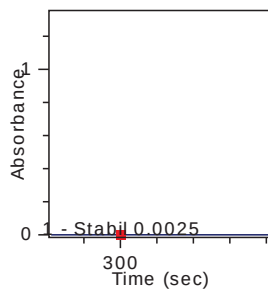
Channel: 2-NO2

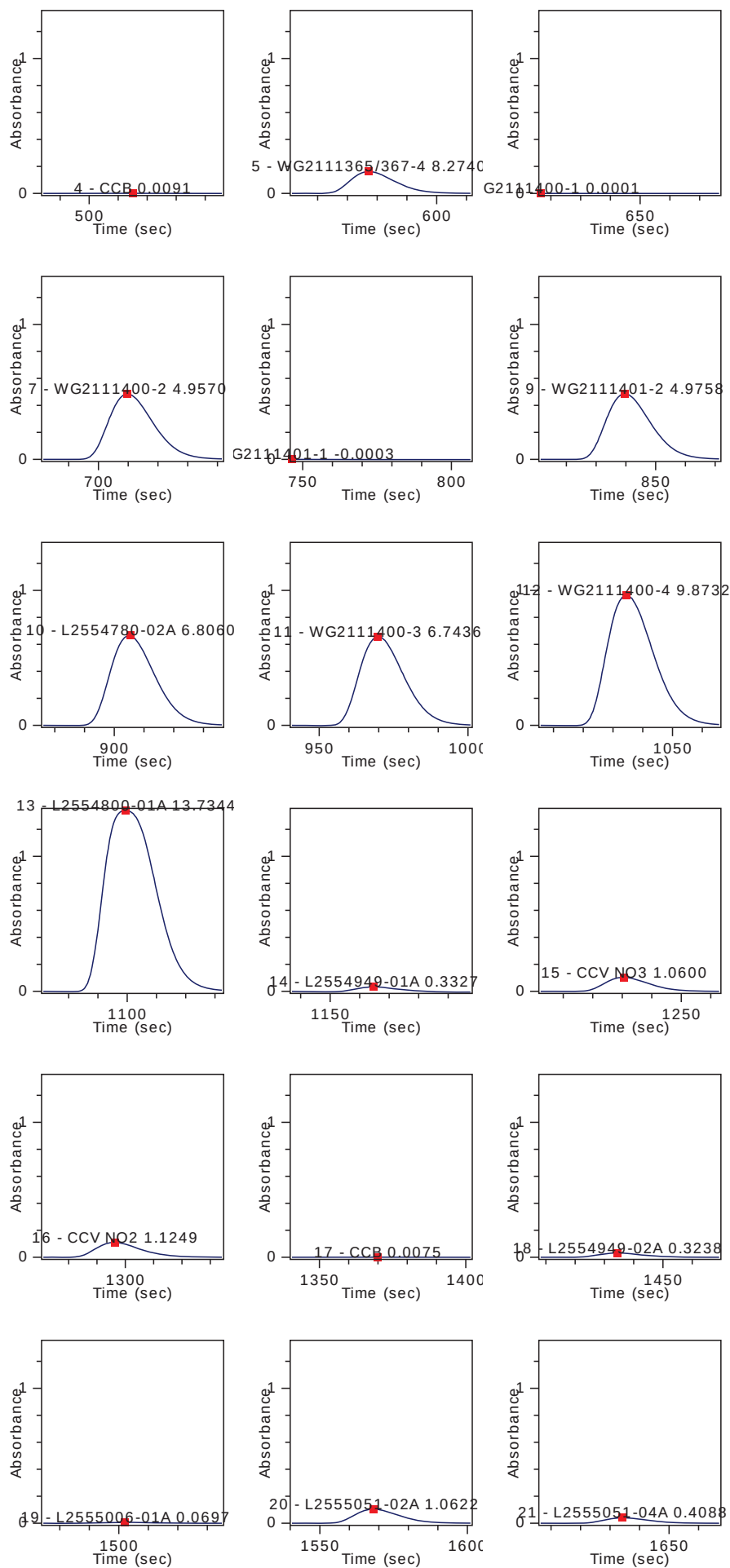
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T07:20:56
CCV NO3	2	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T07:22:15
CCV NO2	3	QC	1	0.1275	1	1	1	1.0624		2025-09-06T07:23:21
CCB	4	QC	0	0.0006	1	1	1	0.0004		2025-09-06T07:24:32
WG2111365/367-4	5	Unknown	?	0.0006	1	5	1	0.0012		2025-09-06T07:25:40
WG2111400-1	6	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T07:27:30
WG2111400-2	7	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T07:28:20
WG2111401-1	8	Unknown	?	0.0001	1	1	1	-0.0044		2025-09-06T07:29:05
WG2111401-2	9	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T07:30:18
L2554780-02A	10	Unknown	?	0.0037	1	1	1	0.0263		2025-09-06T07:31:07
WG2111400-3	11	Unknown	?	0.0039	1	1	1	0.0280		2025-09-06T07:32:11
WG2111400-4	12	Unknown	?	0.0037	1	1	1	0.0266		2025-09-06T07:33:15
L2554800-01A	13	Unknown	?	0.0433	1	1	1	0.3577		2025-09-06T07:34:20
L2554949-01A	14	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T07:35:26
CCV NO3	15	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T07:36:47
CCV NO2	16	QC	1	0.1276	1	1	1	1.0632		2025-09-06T07:37:38
CCB	17	QC	0	0.0006	1	1	1	-0.0001		2025-09-06T07:38:49
L2554949-02A	18	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T07:39:55
L2555006-01A	19	Unknown	?	0.0004	1	1	1	-0.0014		2025-09-06T07:41:02
L2555051-02A	20	Unknown	?	0.0399	1	1	1	0.3295		2025-09-06T07:42:10
L2555051-04A	21	Unknown	?	0.0025	1	1	1	0.0159		2025-09-06T07:43:14
L2555051-07A	22	Unknown	?	0.0043	1	1	1	0.0310		2025-09-06T07:44:21
L2555094-01A	23	Unknown	?	0.0058	1	1	1	0.0441		2025-09-06T07:45:27
WG2111400-5	24	Unknown	?	0.0058	1	1	1	0.0441		2025-09-

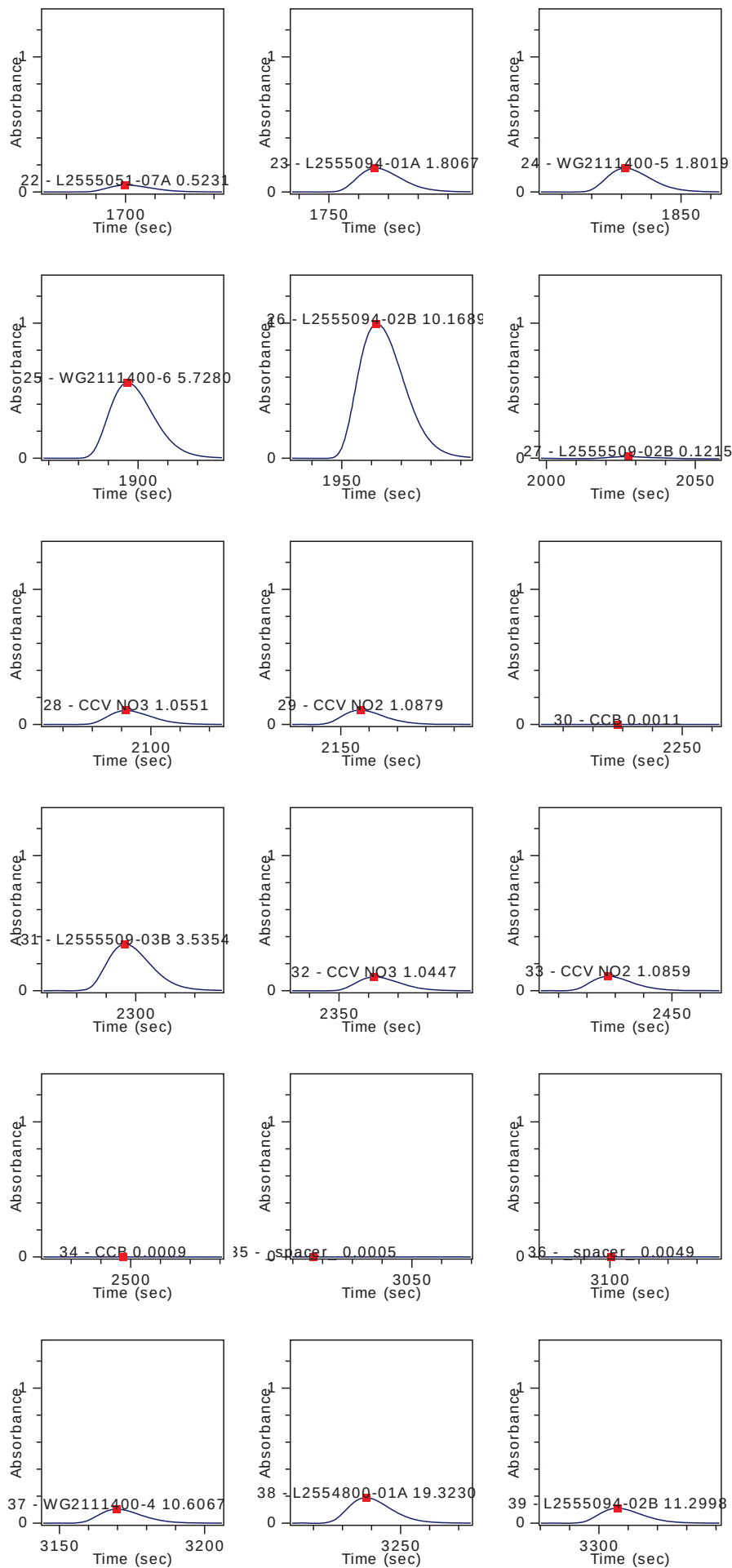
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T07:46:33
WG2111400-6	25	Unknown	?	0.0057	1	1	1	0.0433		2025-09-06T07:47:38
L2555094-02B	26	Unknown	?	0.0696	1	1	1	0.5775		2025-09-06T07:48:43
L255509-02B	27	Unknown	?	0.0009	1	1	1	0.0028		2025-09-06T07:49:48
CCV NO3	28	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T07:50:54
CCV NO2	29	QC	1	0.1269	1	1	1	1.0571		2025-09-06T07:51:59
CCB	30	QC	0	0.0001	1	1	1	-0.0041		2025-09-06T07:53:12
L255509-03B	31	Unknown	?	0.0324	1	1	1	0.2664		2025-09-06T07:54:18
CCV NO3	32	QC	?	0.0001	1	1	1	-0.0037		2025-09-06T07:55:24
CCV NO2	33	QC	1	0.1265	1	1	1	1.0539		2025-09-06T07:56:29
CCB	34	QC	0	0.0001	1	1	1	-0.0043		2025-09-06T07:57:41
spacer	35	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T08:07:22
spacer	36	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T08:07:45
WG2111400-4	37	Unknown	?	0.0004	1	10	1	-0.0132		2025-09-06T08:08:54
L2554800-01A	38	Unknown	?	0.0044	1	10	1	0.3213		2025-09-06T08:10:01
L2555094-02B	39	Unknown	?	0.0069	1	10	1	0.5335		2025-09-06T08:11:09
L2554949-01A	40	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T08:12:16
L255509-02B	41	Unknown	?	0.0009	1	1	1	0.0031		2025-09-06T08:13:20
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0038		2025-09-06T08:14:27
CCV NO2	43	QC	1	0.1254	1	1	1	1.0451		2025-09-06T08:15:31
CCB	44	QC	0	0.0002	1	1	1	-0.0033		2025-09-06T08:16:42

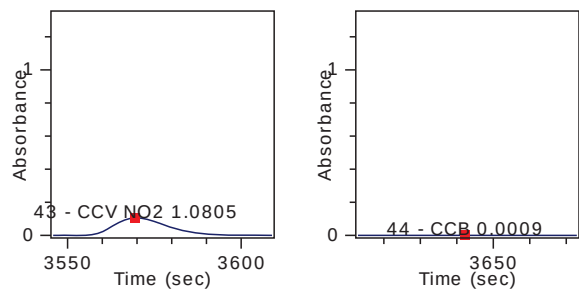
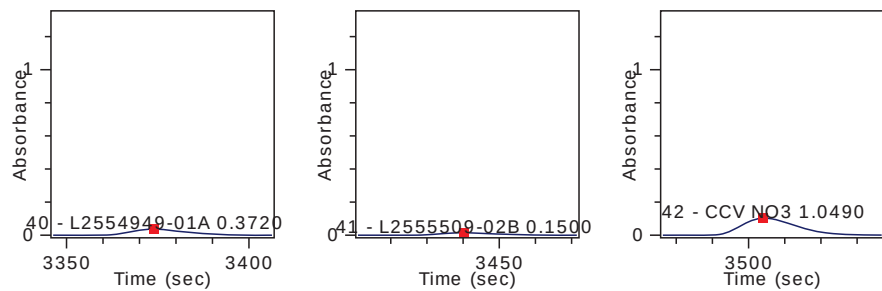
Peaks:

Channel: 1-NOx

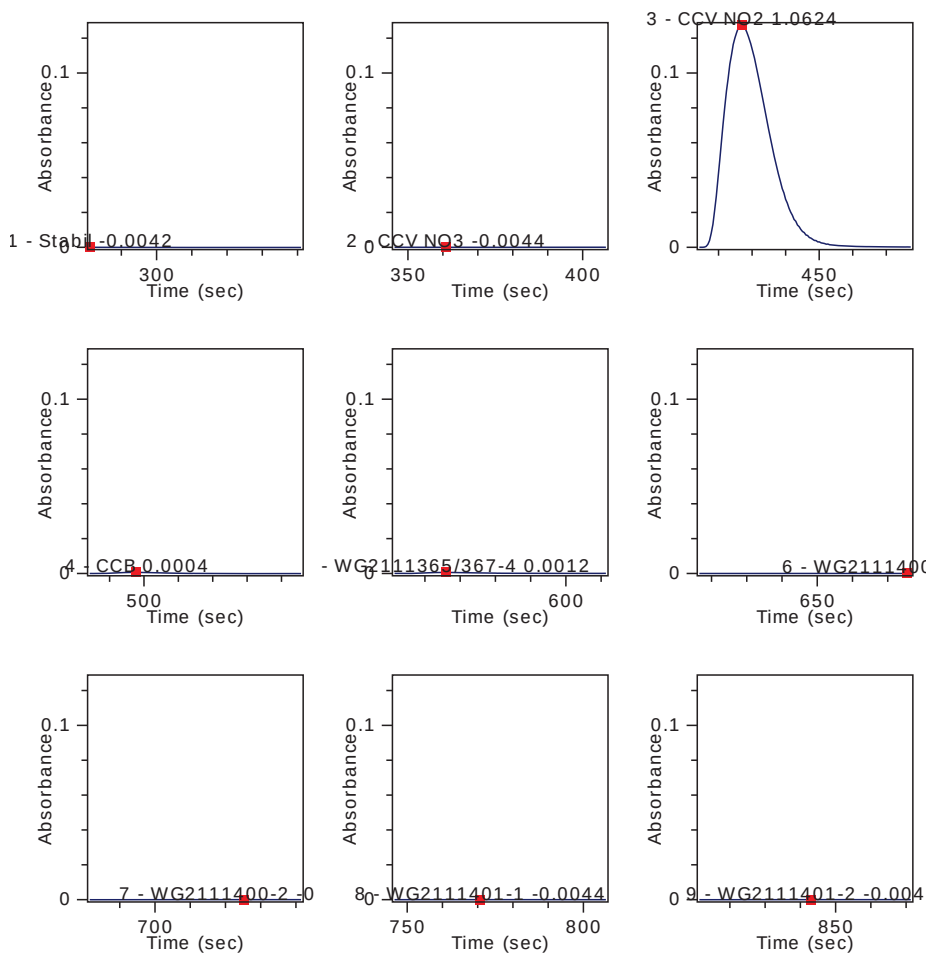


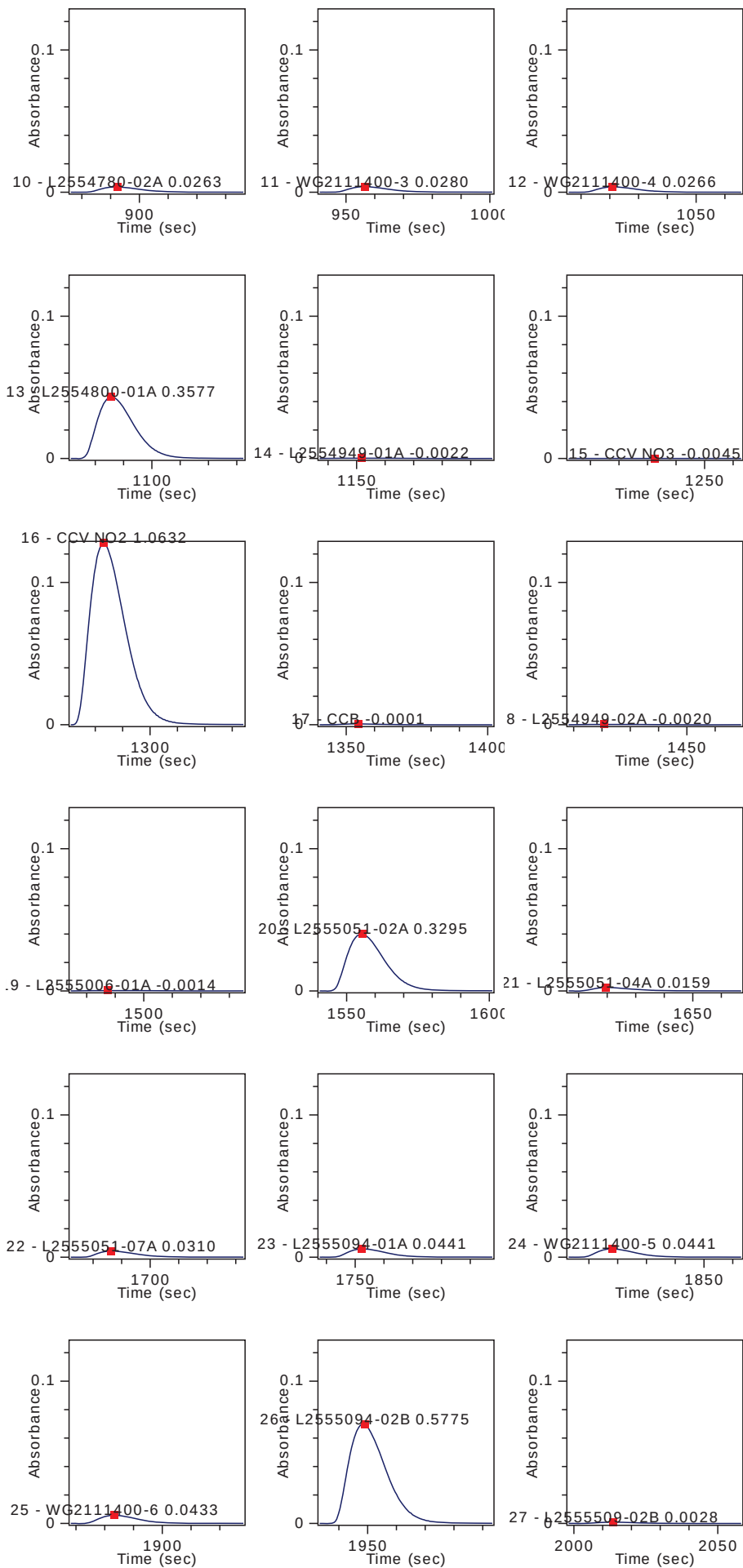


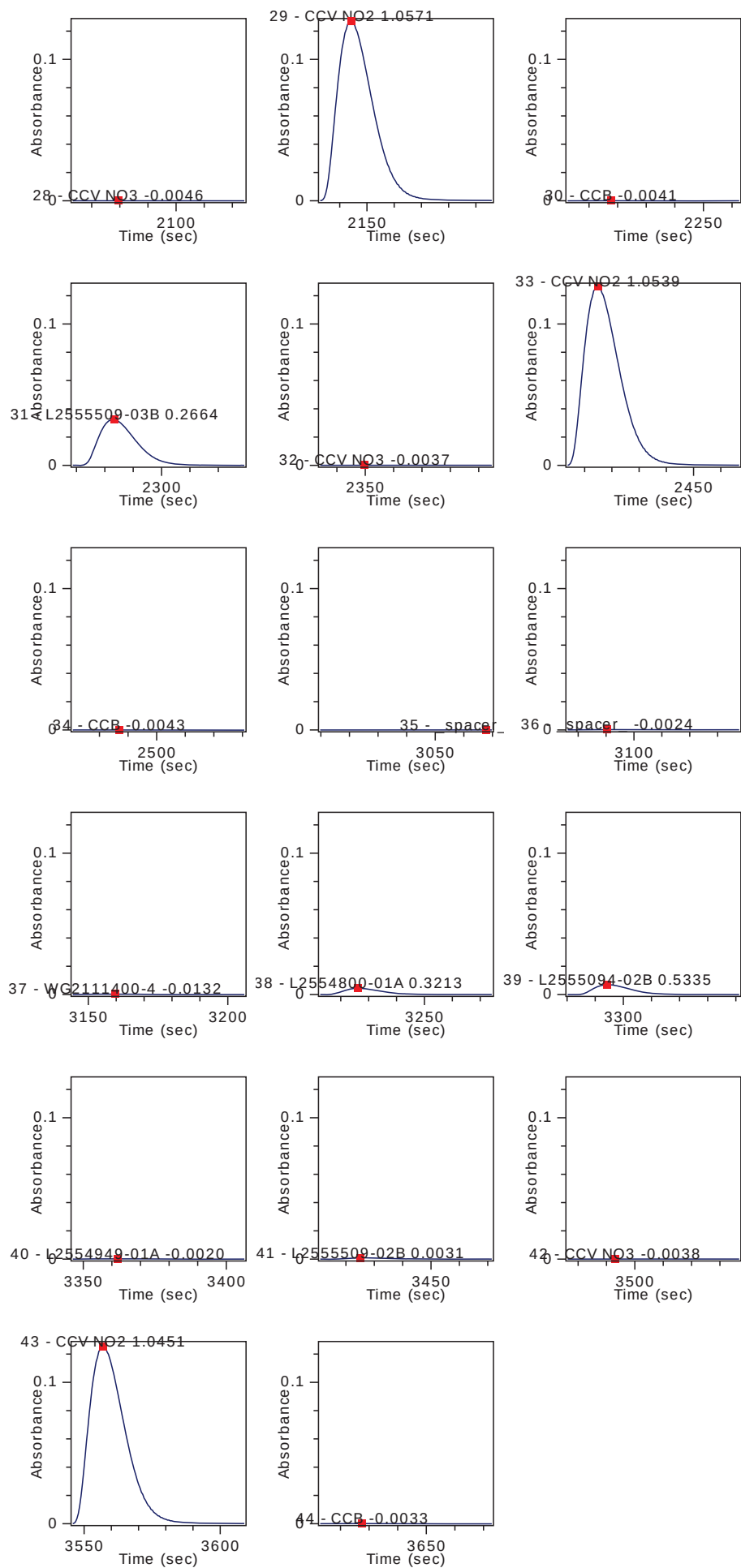




Channel: 2-NO2







Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

 FIAlab1 Serial Number: FIA31428
 FIAlab2 Serial Number: FIA31429
 Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

 Spectrometer Type: tec5
 Integration Time: 1.4
 Bandwidth: 2
 Data Acq Rate: 2
 Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
 Reduce to Boxcar: True

Spectrometer2

 Spectrometer Type: tec5
 Integration Time: 2.4
 Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T07:16:15

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:36:52

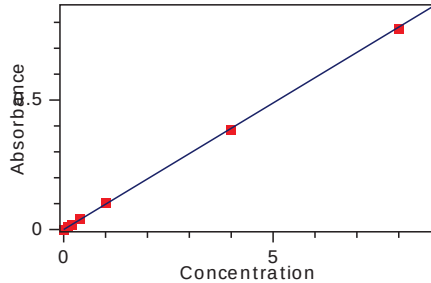
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
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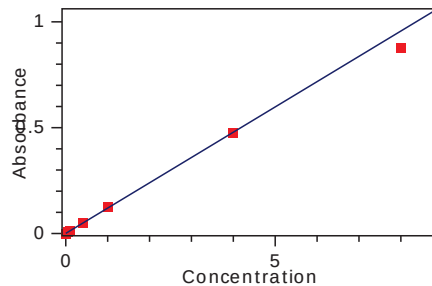
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
2	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	2025-09-06T02:36:37
3	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	2025-09-06T02:37:47
4	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	2025-09-06T02:38:53
5	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	2025-09-06T02:40:01
6	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	2025-09-06T02:41:10
7	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	2025-09-06T02:42:20
8	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	2025-09-06T02:43:35



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
9	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	2025-09-06T02:44:29
10	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	2025-09-06T02:45:38
11	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	2025-09-06T02:46:44
12	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	2025-09-06T02:47:54
13	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	2025-09-06T02:49:03
14	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	2025-09-06T02:50:12
15	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	2025-09-06T02:51:25

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0016		2025-09-06T02:35:24
NOx 8.0ppm	2	Standard	8	0.7727	1	1	1	7.9067		2025-09-06T02:36:37
NOx 4.0ppm	3	Standard	4	0.3851	1	1	1	3.9415		2025-09-06T02:37:47
NOx 1.0ppm	4	Standard	1	0.1029	1	1	1	1.0532		2025-09-06T02:38:53
NOx 0.4ppm	5	Standard	0.4	0.0388	1	1	1	0.3970		2025-09-06T02:40:01
NOx 0.2ppm	6	Standard	0.2	0.0191	1	1	1	0.1958		2025-09-06T02:41:10
NOx 0.1ppm	7	Standard	0.1	0.0098	1	1	1	0.1009		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	0	0.0001	1	1	1	0.0009		2025-09-06T02:43:35
Nitrite 8.0ppm	9	Standard	?	0.7839	1	1	1	8.0215	OVR	2025-09-06T02:44:41
Nitrite 4.0ppm	10	Standard	?	0.4203	1	1	1	4.3015		2025-09-06T02:45:50
Nitrite 1.0ppm	11	Standard	?	0.1108	1	1	1	1.1337		2025-09-06T02:46:57
Nitrite 0.4ppm	12	Standard	?	0.0435	1	1	1	0.4457		2025-09-06T02:48:05
Nitrite 0.1ppm	13	Standard	?	0.0108	1	1	1	0.1111		2025-09-06T02:49:15
Nitrite 0.05ppm	14	Standard	?	0.0053	1	1	1	0.0548		2025-09-06T02:50:24
Nitrite 0.0ppm	15	Standard	?	0.0001	1	1	1	0.0015		2025-09-06T02:51:36
CCV NO3	16	QC	1	0.1042	1	1	1	1.0665		2025-09-06T02:52:41
CCV NO2	17	QC	?	0.1105	1	1	1	1.1307		2025-09-06T02:53:46
CCB	18	QC	0	0.0007	1	1	1	0.0072		2025-09-06T02:55:01
ICV NO3 5.0	19	QC	5	0.4780	1	1	1	4.8918		2025-09-06T02:56:03
ICV NO2 5.0	20	QC	?	0.4943	1	1	1	5.0583		2025-09-06T02:57:12
ICV NO3 0.5	21	QC	0.5	0.0478	1	1	1	0.4897		2025-09-06T02:58:20
ICV NO2 0.5	22	QC	?	0.0503	1	1	1	0.5150		2025-09-06T02:59:29
ICB	23	QC	0	0.0004	1	1	1	0.0042		2025-09-06T03:00:44
Diluter CHK 8PPM	24	Unknown	?	0.1602	1	5	1	8.1992		2025-09-06T03:01:47
BLANK NO3	25	Unknown	?	0.0000	1	1	1	0.0002		2025-09-06T03:02:28
LCS NO3	26	Unknown	?	0.4786	1	1	1	4.8980		2025-09-06T03:04:01
BLANK NO2	27	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:04:40
LCS NO2	28	Unknown	?	0.4978	1	1	1	5.0944		2025-09-06T03:06:13
CCV NO3	29	QC	1	0.1047	1	1	1	1.0720		2025-09-06T03:07:19
CCV NO2	30	QC	?	0.1107	1	1	1	1.1331		2025-09-06T03:08:24
CCB	31	QC	0	0.0008	1	1	1	0.0091		2025-09-06T03:09:42
WG2111361-1	32	Unknown	?	0.0001	1	1	1	0.0015		2025-09-06T03:10:50

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111361-2	33	Unknown	?	0.4962	1	1	1	5.0778		2025-09-06T03:11:49
WG2111362/363-1	34	Unknown	?	0.0004	1	1	1	0.0046		2025-09-06T03:13:01
WG2111362/363-2	35	Unknown	?	0.4980	1	1	1	5.0965		2025-09-06T03:14:00
WG2111364-1	36	Unknown	?	0.0008	1	1	1	0.0084		2025-09-06T03:15:11
WG2111364-2	37	Unknown	?	0.4784	1	1	1	4.8962		2025-09-06T03:16:11
WG2111365/363/368-1	38	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:16:51
WG2111365/365/368-2	39	Unknown	?	0.4809	1	1	1	4.9214		2025-09-06T03:18:24
WG2111367-1	40	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:19:04
WG2111367-2	41	Unknown	?	0.4806	1	1	1	4.9186		2025-09-06T03:20:37
CCV NO3	42	QC	1	0.1034	1	1	1	1.0588		2025-09-06T03:21:42
CCV NO2	43	QC	?	0.1110	1	1	1	1.1358		2025-09-06T03:22:48
CCB	44	QC	0	0.0008	1	1	1	0.0084		2025-09-06T03:24:04
WG2111369-1	45	Unknown	?	0.0001	1	1	1	0.0011		2025-09-06T03:25:18
WG2111369-2	46	Unknown	?	0.4799	1	1	1	4.9115		2025-09-06T03:26:15
L2555605-01N	47	Unknown	?	0.1811	1	1	1	1.8537		2025-09-06T03:27:20
L2555605-02N	48	Unknown	?	0.4244	1	1	1	4.3434		2025-09-06T03:28:26
WG2111365/367-3	49	Unknown	?	0.4315	1	1	1	4.4157		2025-09-06T03:29:31
WG2111365/367-4	50	Unknown	?	0.7718	1	1	1	7.8977		2025-09-06T03:30:36
WG2111362-3	51	Unknown	?	0.4289	1	1	1	4.3891		2025-09-06T03:31:41
WG2111362-4	52	Unknown	?	0.7838	1	1	1	8.0211	OVR	2025-09-06T03:32:45
L2zzP605-03N	53	Unknown	?	0.6040	1	1	1	6.1813		2025-09-06T03:33:49
L2555605-04N	54	Unknown	?	0.1376	1	1	1	1.4085		2025-09-06T03:34:53
CCV NO3	55	QC	1	0.1043	1	1	1	1.0678		2025-09-06T03:35:57
CCV NO2	56	QC	?	0.1087	1	1	1	1.1124		2025-09-06T03:37:03
CCB	57	QC	0	0.0000	1	1	1	0.0005		2025-09-06T03:38:15
L2555605-05N	58	Unknown	?	0.3941	1	1	1	4.0333		2025-09-06T03:39:20
L2555605-06N	59	Unknown	?	0.3762	1	1	1	3.8504		2025-09-06T03:40:27
L2555605-07N	60	Unknown	?	0.3048	1	1	1	3.1191		2025-09-06T03:41:33
L2555605-08N	61	Unknown	?	0.2131	1	1	1	2.1808		2025-09-06T03:42:39
L2555382-01A	62	Unknown	?	0.0296	1	1	1	0.3034		2025-09-06T03:43:45
L2555382-02A	63	Unknown	?	0.0302	1	1	1	0.3089		2025-09-06T03:44:51
L2555382-03A	64	Unknown	?	0.0312	1	1	1	0.3196		2025-09-06T03:45:56
L2555382-04A	65	Unknown	?	0.0313	1	1	1	0.3206		2025-09-06T03:47:02

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555459-01S	66	Unknown	?	0.0000	1	1	1	0.0003		2025-09-06T03:48:10
L2555956-01F	67	Unknown	?	0.0028	1	1	1	0.0289		2025-09-06T03:49:12
CCV NO3	68	QC	1	0.1048	1	1	1	1.0727		2025-09-06T03:50:17
CCV NO2	69	QC	?	0.1086	1	1	1	1.1118		2025-09-06T03:51:22
CCB	70	QC	0	0.0001	1	1	1	0.0010		2025-09-06T03:52:33
WG2111364-3	71	Unknown	?	0.0012	1	1	1	0.0124		2025-09-06T03:53:40
WG2111364-4	72	Unknown	?	0.4267	1	1	1	4.3664		2025-09-06T03:54:46
WG2111361-3	73	Unknown	?	-0.0001	1	1	1	-0.0012		2025-09-06T03:55:22
WG2111361-4	74	Unknown	?	0.4276	1	1	1	4.3755		2025-09-06T03:56:55
L2555956-02F	75	Unknown	?	0.0011	1	1	1	0.0121		2025-09-06T03:57:59
L2555956-03F	76	Unknown	?	0.0020	1	1	1	0.0209		2025-09-06T03:59:04
L2555956-04F	77	Unknown	?	0.0028	1	1	1	0.0287		2025-09-06T04:00:11
L2555622-01A	78	Unknown	?	0.0294	1	1	1	0.3014		2025-09-06T04:01:17
WG2111366/368-3	79	Unknown	?	0.0290	1	1	1	0.2972		2025-09-06T04:02:24
WG2111366/368-4	80	Unknown	?	0.4710	1	1	1	4.8202		2025-09-06T04:03:29
CCV NO3	81	QC	1	0.1028	1	1	1	1.0521		2025-09-06T04:04:35
CCV NO2	82	QC	?	0.1070	1	1	1	1.0956		2025-09-06T04:05:40
CCB	83	QC	0	0.0000	1	1	1	0.0005		2025-09-06T04:06:52
WG2111363-3	84	Unknown	?	0.0290	1	1	1	0.2967		2025-09-06T04:08:00
WG2111363-4	85	Unknown	?	0.4910	1	1	1	5.0245		2025-09-06T04:09:08
L2555671-01C	86	Unknown	?	0.0158	1	1	1	0.1619		2025-09-06T04:10:12
WG2111369-3	87	Unknown	?	0.0154	1	1	1	0.1580		2025-09-06T04:11:18
WG2111369-4	88	Unknown	?	0.4023	1	1	1	4.1166		2025-09-06T04:12:23
L2555671-02C	89	Unknown	?	0.0157	1	1	1	0.1610		2025-09-06T04:13:27
L2555671-03C	90	Unknown	?	0.0202	1	1	1	0.2069		2025-09-06T04:14:32
L2555671-04C	91	Unknown	?	0.0196	1	1	1	0.2010		2025-09-06T04:15:36
L2555260-01C	92	Unknown	?	0.0054	1	1	1	0.0560		2025-09-06T04:16:40
L2555260-03C	93	Unknown	?	0.0192	1	1	1	0.1965		2025-09-06T04:17:44
CCV NO3	94	QC	1	0.1043	1	1	1	1.0676		2025-09-06T04:18:49
CCV NO2	95	QC	?	0.1073	1	1	1	1.0988		2025-09-06T04:19:53
CCB	96	QC	0	0.0001	1	1	1	0.0011		2025-09-06T04:21:06
L2555260-05C	97	Unknown	?	0.3199	1	1	1	3.2737		2025-09-06T04:22:15
WG2111367-5	98	Unknown	?	0.3193	1	1	1	3.2676		2025-09-06T04:23:23

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111367-6	99	Unknown	?	0.6875	1	1	1	7.0356		2025-09-06T04:24:29
L2554370-01L	100	Unknown	?	0.0141	1	1	1	0.1448		2025-09-06T04:25:35
L2554370-02L	101	Unknown	?	0.0066	1	1	1	0.0684		2025-09-06T04:26:42
L2554370-03L	102	Unknown	?	0.0041	1	1	1	0.0420		2025-09-06T04:27:47
L2554370-04L	103	Unknown	?	0.0037	1	1	1	0.0387		2025-09-06T04:28:53
L2554370-05L	104	Unknown	?	0.0507	1	1	1	0.5194		2025-09-06T04:29:58
L2554370-06L	105	Unknown	?	0.0064	1	1	1	0.0656		2025-09-06T04:31:04
L2554370-07L	106	Unknown	?	0.0620	1	1	1	0.6352		2025-09-06T04:32:08
CCV NO3	107	QC	1	0.1039	1	1	1	1.0630		2025-09-06T04:33:12
CCV NO2	108	QC	?	0.1091	1	1	1	1.1170		2025-09-06T04:34:18
CCB	109	QC	0	0.0001	1	1	1	0.0013		2025-09-06T04:35:31
L2554370-08L	110	Unknown	?	0.1470	1	1	1	1.5044		2025-09-06T04:36:34
L2554370-09L	111	Unknown	?	0.0040	1	1	1	0.0411		2025-09-06T04:37:38
L2554370-10L	112	Unknown	?	0.0258	1	1	1	0.2644		2025-09-06T04:38:44
L2554370-11L	113	Unknown	?	0.5415	1	1	1	5.5415		2025-09-06T04:39:48
L2554370-12L	114	Unknown	?	0.0615	1	1	1	0.6300		2025-09-06T04:40:52
L2554785-01A	115	Unknown	?	0.2051	1	1	1	2.0992		2025-09-06T04:41:58
L2554788-02C	116	Unknown	?	0.2074	1	1	1	2.1222		2025-09-06T04:43:04
L2555529-01K	117	Unknown	?	0.0069	1	1	1	0.0708		2025-09-06T04:44:11
L2555569-01E	118	Unknown	?	0.0261	1	1	1	0.2673		2025-09-06T04:45:18
L2555092-01A	119	Unknown	?	0.1806	1	1	1	1.8486		2025-09-06T04:46:23
CCV NO3	120	QC	1	0.1052	1	1	1	1.0769		2025-09-06T04:47:29
CCV NO2	121	QC	?	0.1123	1	1	1	1.1494		2025-09-06T04:48:34
CCB	122	QC	0	0.0011	1	1	1	0.0118		2025-09-06T04:49:51
L2555902-02H	123	Unknown	?	0.0064	1	1	1	0.0660		2025-09-06T04:50:54
L2555951-01D	124	Unknown	?	0.0045	1	1	1	0.0459		2025-09-06T04:52:01
L2555605-03N	125	Unknown	?	0.6090	1	1	1	6.2317		2025-09-06T04:53:06
CCV NO3	126	QC	1	0.1030	1	1	1	1.0547		2025-09-06T04:54:10
CCV NO2	127	QC	?	0.1081	1	1	1	1.1061		2025-09-06T04:55:15
CCB	128	QC	0	0.0000	1	1	1	0.0002		2025-09-06T04:55:59
Unknown1	129	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T05:05:08
spacer	130	Unknown	?	0.0007	1	1	1	0.0076		2025-09-06T05:06:43
spacer	131	Unknown	?	0.0002	1	1	1	0.0028		2025-09-06T05:07:47

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111362-4	132	Unknown	?	0.0017	1	10	1	0.1768		2025-09-06T05:08:47
WG2111365/367-4	133	Unknown	?	0.0012	1	5	1	0.0623		2025-09-06T05:09:55
CCV NO3	134	QC	1	0.1033	1	1	1	1.0572		2025-09-06T05:11:05
CCV NO2	135	QC	?	0.1108	1	1	1	1.1342		2025-09-06T05:12:11
CCB	136	QC	0	0.0006	1	1	1	0.0069		2025-09-06T05:13:27

Channel: 2-NO2

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T02:35:20
NOx 8.0ppm	2	Standard	?	0.0001	1	1	1	-0.0036		2025-09-06T02:36:59
NOx 4.0ppm	3	Standard	?	0.0001	1	1	1	-0.0041		2025-09-06T02:37:34
NOx 1.0ppm	4	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:38:54
NOx 0.4ppm	5	Standard	?	0.0001	1	1	1	-0.0043		2025-09-06T02:39:54
NOx 0.2ppm	6	Standard	?	0.0001	1	1	1	-0.0044		2025-09-06T02:41:31
NOx 0.1ppm	7	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	?	0.0000	1	1	1	-0.0044		2025-09-06T02:43:22
Nitrite 8.0ppm	9	Standard	8	0.8762	1	1	1	7.3279		2025-09-06T02:44:29
Nitrite 4.0ppm	10	Standard	4	0.4744	1	1	1	3.9657		2025-09-06T02:45:38
Nitrite 1.0ppm	11	Standard	1	0.1269	1	1	1	1.0571		2025-09-06T02:46:44
Nitrite 0.4ppm	12	Standard	0.4	0.0510	1	1	1	0.4222		2025-09-06T02:47:54
Nitrite 0.1ppm	13	Standard	0.1	0.0130	1	1	1	0.1041		2025-09-06T02:49:03
Nitrite 0.05ppm	14	Standard	0.05	0.0064	1	1	1	0.0486		2025-09-06T02:50:12
Nitrite 0.0ppm	15	Standard	0	0.0000	1	1	1	-0.0046		2025-09-06T02:51:25
CCV NO3	16	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T02:52:39
CCV NO2	17	QC	1	0.1268	1	1	1	1.0566		2025-09-06T02:53:33
CCB	18	QC	0	0.0004	1	1	1	-0.0017		2025-09-06T02:54:44
ICV NO3 5.0	19	QC	?	0.0001	1	1	1	-0.0042		2025-09-06T02:55:50
ICV NO2 5.0	20	QC	5	0.5629	1	1	1	4.7060		2025-09-06T02:57:01
ICV NO3 0.5	21	QC	?	0.0012	1	1	1	0.0055		2025-09-06T02:58:08
ICV NO2 0.5	22	QC	0.5	0.0590	1	1	1	0.4893		2025-09-06T02:59:17
ICB	23	QC	0	0.0002	1	1	1	-0.0034		2025-09-06T03:00:26
Diluter CHK 8PPM	24	Unknown	?	0.0001	1	5	1	-0.0196		2025-09-06T03:01:35
BLANK NO3	25	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:03:00
LCS NO3	26	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T03:03:48
BLANK NO2	27	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:05:18
LCS NO2	28	Unknown	?	0.5650	1	1	1	4.7233		2025-09-06T03:06:00
CCV NO3	29	QC	?	0.0015	1	1	1	0.0079		2025-09-06T03:07:06
CCV NO2	30	QC	1	0.1261	1	1	1	1.0505		2025-09-06T03:08:11
CCB	31	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:09:22
WG2111361-1	32	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:10:30
WG2111361-2	33	Unknown	?	0.5668	1	1	1	4.7382		2025-09-06T03:11:36
WG2111362/363-1	34	Unknown	?	0.0013	1	1	1	0.0057		2025-09-06T03:12:42
WG2111362/363-2	35	Unknown	?	0.5688	1	1	1	4.7555		2025-09-06T03:13:46
WG2111364-1	36	Unknown	?	0.0014	1	1	1	0.0073		2025-09-06T03:14:51
WG2111364-2	37	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:15:58
WG2111365/363/368-1	38	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:17:07
WG2111365/365/368-2	39	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:18:11
WG2111367-1	40	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:19:47
WG2111367-2	41	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:21:01
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T03:21:33
CCV NO2	43	QC	1	0.1268	1	1	1	1.0563		2025-09-06T03:22:35
CCB	44	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:23:47
WG2111369-1	45	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:24:53
WG2111369-2	46	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:25:59
L2555605-01N	47	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:27:07
L2555605-02N	48	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:28:13
WG2111365/367-3	49	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:29:20
WG2111365/367-4	50	Unknown	?	0.0022	1	1	1	0.0133		2025-09-06T03:30:23
WG2111362-3	51	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:31:27
WG2111362-4	52	Unknown	?	0.4568	1	1	1	3.8181		2025-09-06T03:32:32
L2zzP605-03N	53	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:33:34
L2555605-04N	54	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:34:39
CCV NO3	55	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T03:35:44
CCV NO2	56	QC	1	0.1274	1	1	1	1.0614		2025-09-06T03:36:50
CCB	57	QC	0	0.0001	1	1	1	-0.0039		2025-09-06T03:37:59
L2555605-05N	58	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T03:39:19

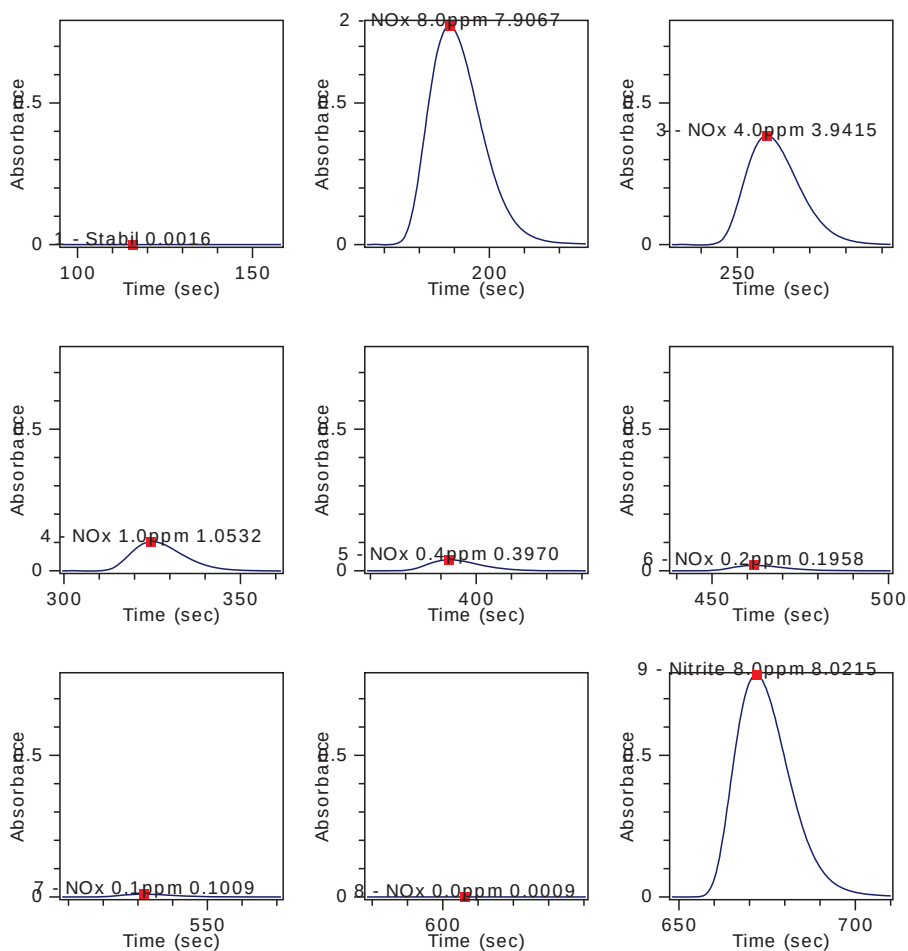
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L2555605-07N	60	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:41:20
L2555605-08N	61	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:42:29
L2555382-01A	62	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:43:33
L2555382-02A	63	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:44:38
L2555382-03A	64	Unknown	?	0.0022	1	1	1	0.0136		2025-09-06T03:45:44
L2555382-04A	65	Unknown	?	0.0022	1	1	1	0.0134		2025-09-06T03:46:49
L2555459-01S	66	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:48:11
L2555956-01F	67	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:48:59
CCV NO3	68	QC	?	0.0003	1	1	1	-0.0021		2025-09-06T03:50:44
CCV NO2	69	QC	1	0.1276	1	1	1	1.0628		2025-09-06T03:51:10
CCB	70	QC	0	0.0001	1	1	1	-0.0037		2025-09-06T03:52:19
WG2111364-3	71	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:53:24
WG2111364-4	72	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T03:54:29
WG2111361-3	73	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:55:36
WG2111361-4	74	Unknown	?	0.5039	1	1	1	4.2121		2025-09-06T03:56:41
L2555956-02F	75	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:57:43
L2555956-03F	76	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:58:50
L2555956-04F	77	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T03:59:58
L2555622-01A	78	Unknown	?	0.0088	1	1	1	0.0684		2025-09-06T04:01:05
WG2111366/368-3	79	Unknown	?	0.0088	1	1	1	0.0687		2025-09-06T04:02:11
WG2111366/368-4	80	Unknown	?	0.0086	1	1	1	0.0675		2025-09-06T04:03:17
CCV NO3	81	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T04:04:21
CCV NO2	82	QC	1	0.1286	1	1	1	1.0712		2025-09-06T04:05:27
CCB	83	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:06:37
WG2111363-3	84	Unknown	?	0.0088	1	1	1	0.0686		2025-09-06T04:07:47
WG2111363-4	85	Unknown	?	0.5440	1	1	1	4.5480		2025-09-06T04:08:54
L2555671-01C	86	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:09:59
WG2111369-3	87	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:11:04
WG2111369-4	88	Unknown	?	0.0028	1	1	1	0.0185		2025-09-06T04:12:10
L2555671-02C	89	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:13:15
L2555671-03C	90	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:14:17
L2555671-04C	91	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:15:24

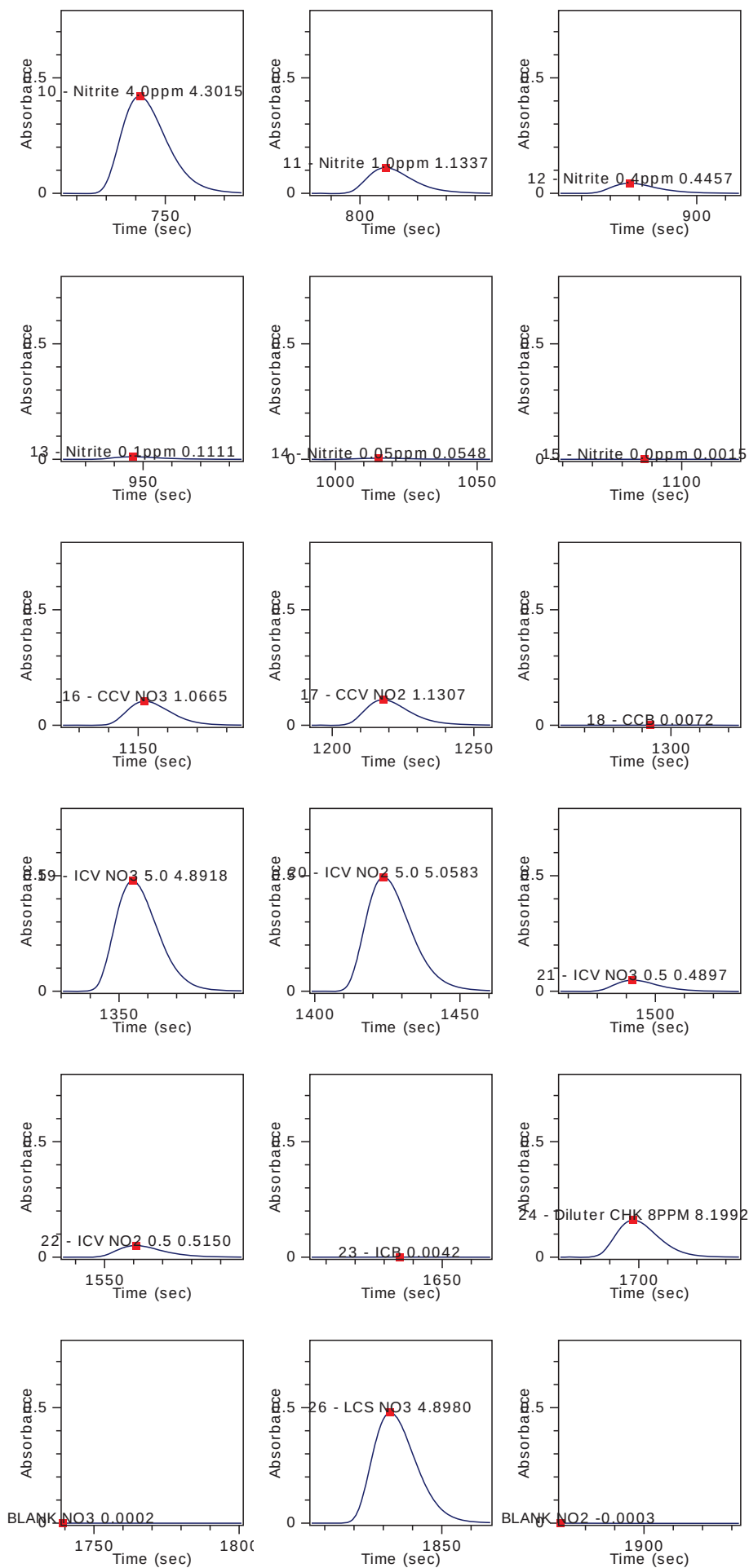
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555260-01C	92	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T04:16:25
L2555260-03C	93	Unknown	?	0.0003	1	1	1	-0.0026		2025-09-06T04:17:30
CCV NO3	94	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T04:18:38
CCV NO2	95	QC	1	0.1278	1	1	1	1.0648		2025-09-06T04:19:40
CCB	96	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:20:53
L2555260-05C	97	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T04:22:01
WG2111367-5	98	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:23:08
WG2111367-6	99	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:24:16
L2554370-01L	100	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:25:23
L2554370-02L	101	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T04:26:28
L2554370-03L	102	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:27:34
L2554370-04L	103	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:28:40
L2554370-05L	104	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:29:43
L2554370-06L	105	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:30:49
L2554370-07L	106	Unknown	?	0.0003	1	1	1	-0.0021		2025-09-06T04:31:55
CCV NO3	107	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:33:05
CCV NO2	108	QC	1	0.1280	1	1	1	1.0664		2025-09-06T04:34:05
CCB	109	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:35:13
L2554370-08L	110	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:36:20
L2554370-09L	111	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T04:37:25
L2554370-10L	112	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:38:29
L2554370-11L	113	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:39:33
L2554370-12L	114	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T04:40:34
L2554785-01A	115	Unknown	?	0.0003	1	1	1	-0.0019		2025-09-06T04:41:45
L2554788-02C	116	Unknown	?	0.0007	1	1	1	0.0012		2025-09-06T04:42:52
L2555529-01K	117	Unknown	?	0.0006	1	1	1	0.0004		2025-09-06T04:43:57
L2555569-01E	118	Unknown	?	0.0003	1	1	1	-0.0025		2025-09-06T04:45:04
L2555092-01A	119	Unknown	?	0.0017	1	1	1	0.0092		2025-09-06T04:46:11
CCV NO3	120	QC	?	0.0001	1	1	1	-0.0041		2025-09-06T04:47:17
CCV NO2	121	QC	1	0.1287	1	1	1	1.0720		2025-09-06T04:48:21
CCB	122	QC	0	0.0007	1	1	1	0.0012		2025-09-06T04:49:32
L2555902-02H	123	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:50:40
L2555951-01D	124	Unknown	?	0.0004	1	1	1	-0.0015		2025-09-06T04:51:49

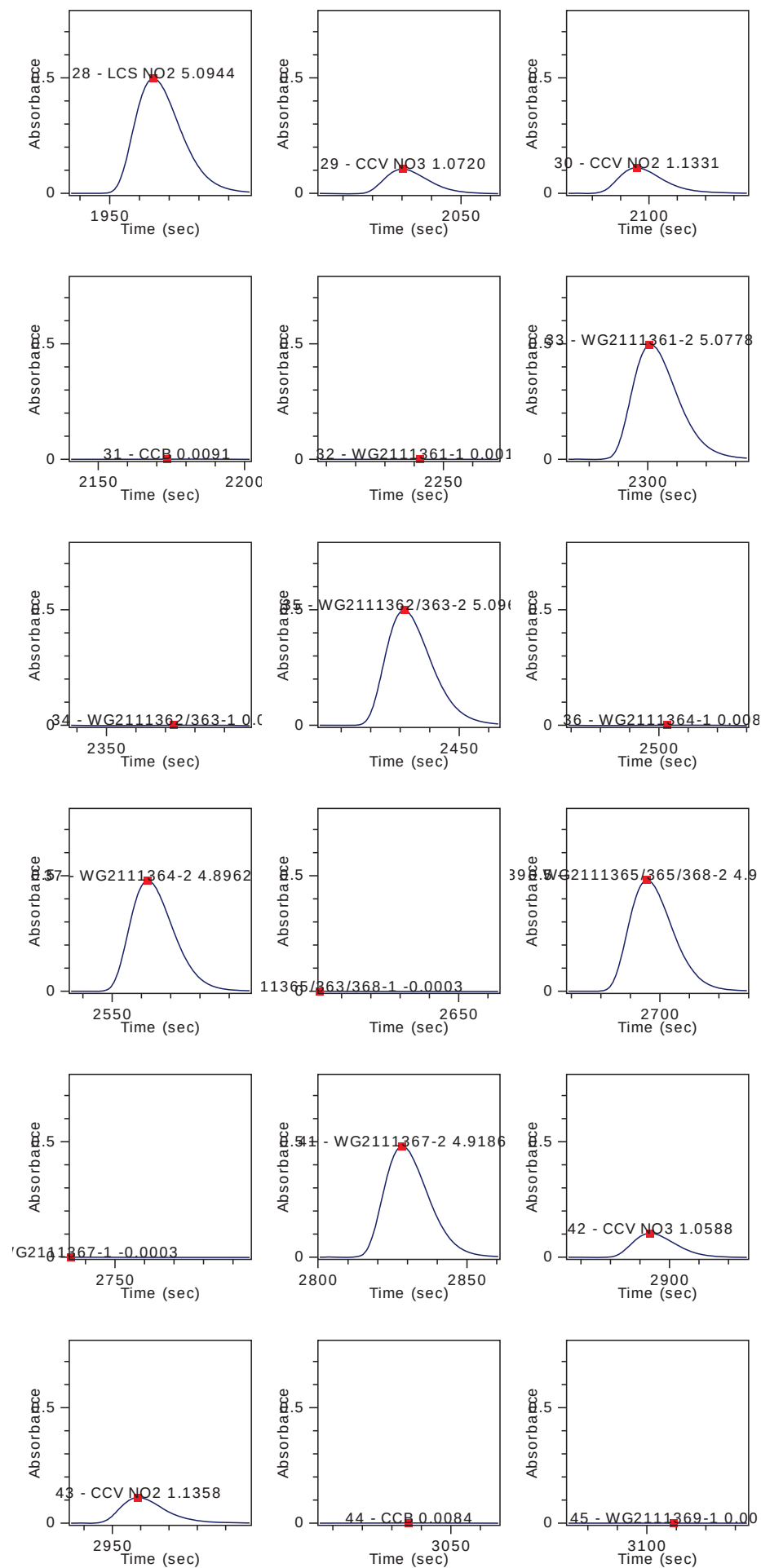
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555605-03N	125	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T04:52:52
CCV NO3	126	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:53:59
CCV NO2	127	QC	1	0.1292	1	1	1	1.0766		2025-09-06T04:55:03
CCB	128	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:56:16
Unknown1	129	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T05:06:03
spacer	130	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:06:29
spacer	131	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:07:34
WG2111362-4	132	Unknown	?	0.0016	1	10	1	0.0863		2025-09-06T05:08:43
WG2111365/367-4	133	Unknown	?	0.0019	1	5	1	0.0544		2025-09-06T05:09:51
CCV NO3	134	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T05:10:46
CCV NO2	135	QC	1	0.1283	1	1	1	1.0687		2025-09-06T05:11:59
CCB	136	QC	0	0.0008	1	1	1	0.0016		2025-09-06T05:13:09

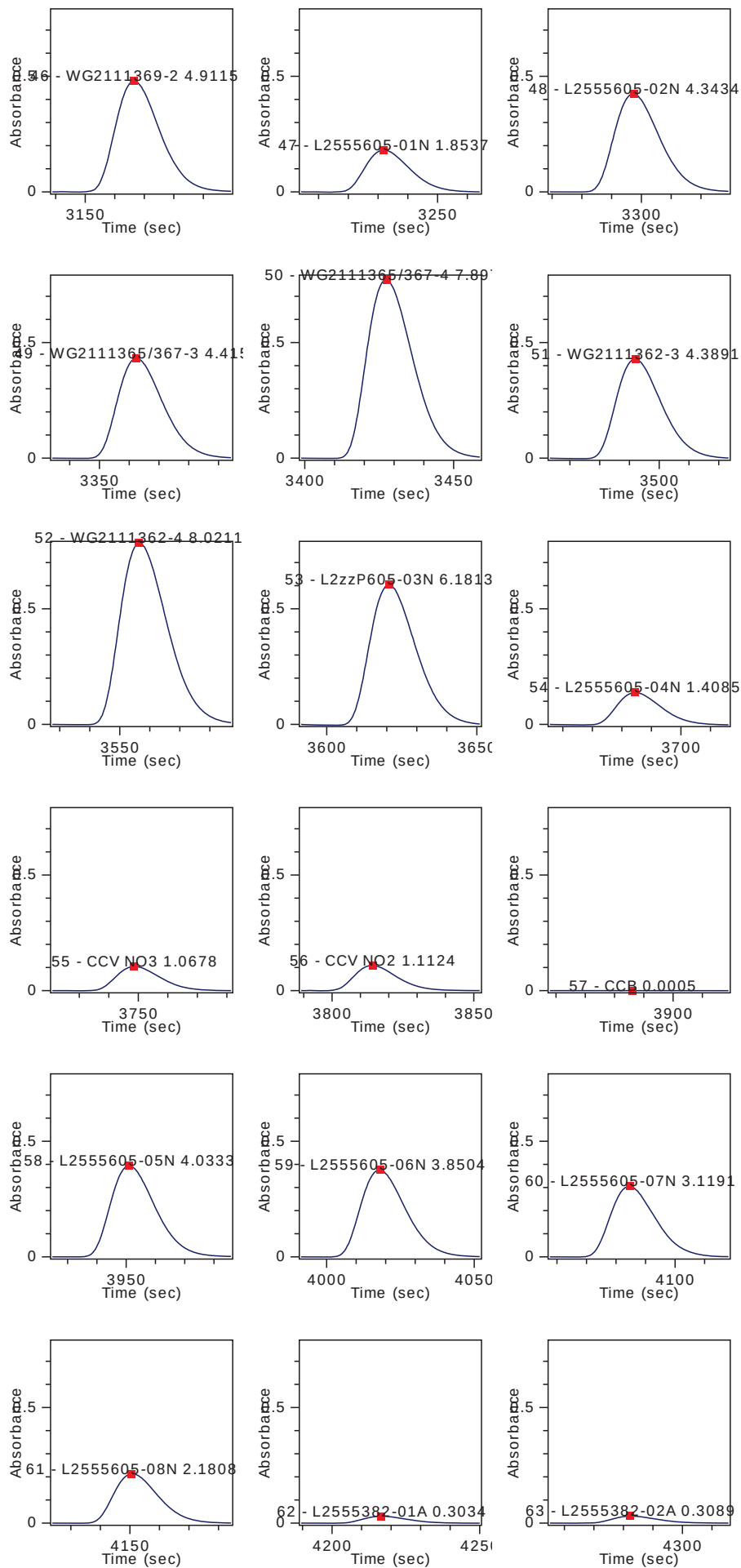
Peaks:

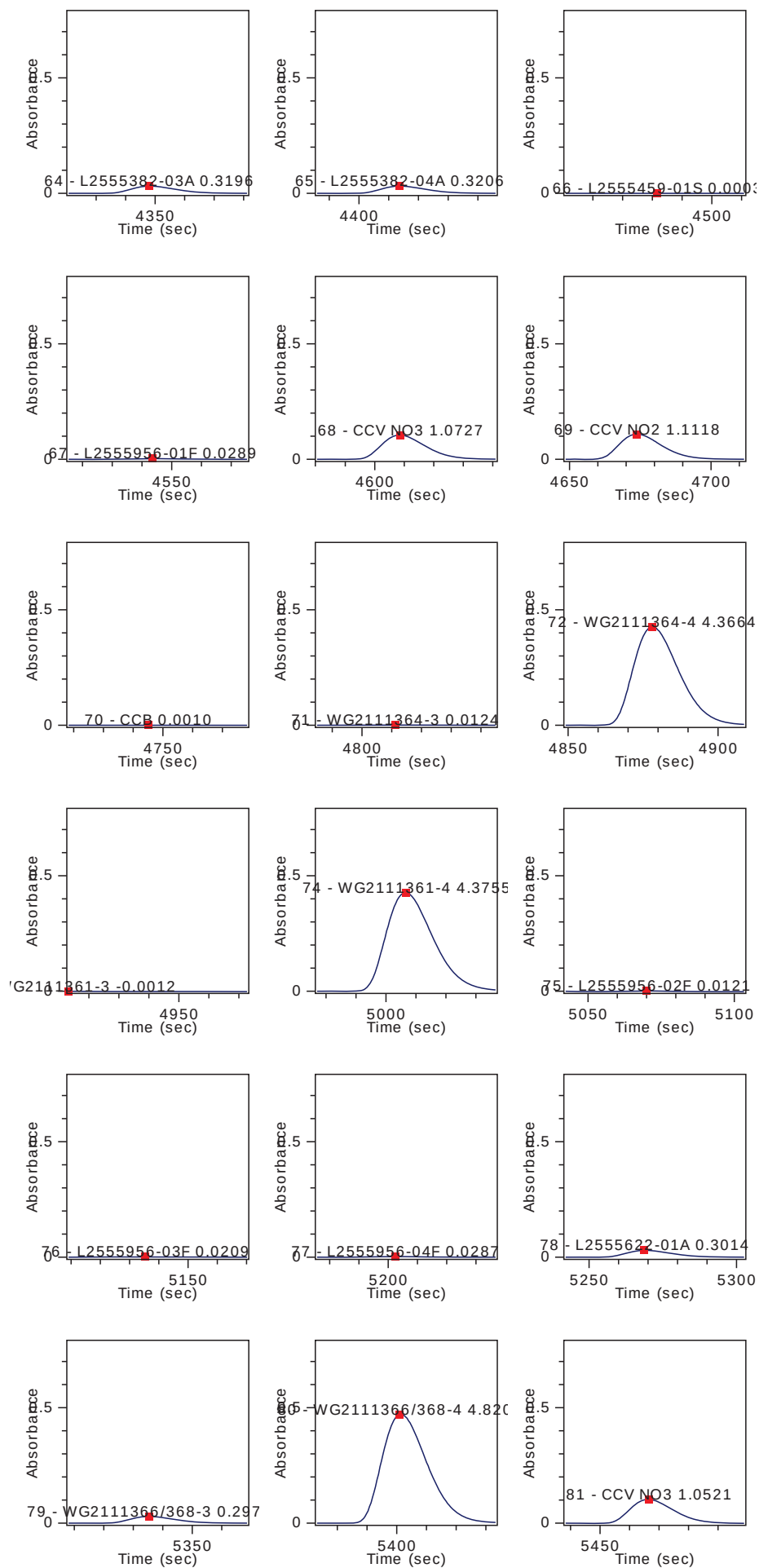
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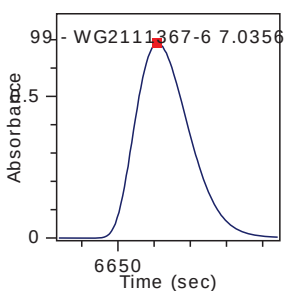
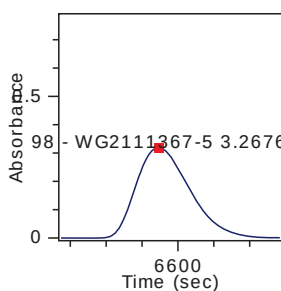
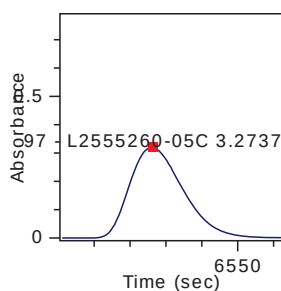
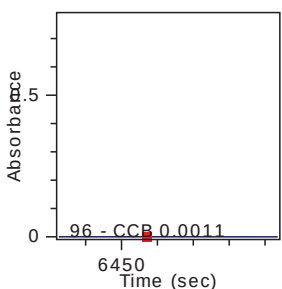
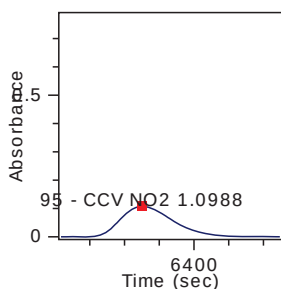
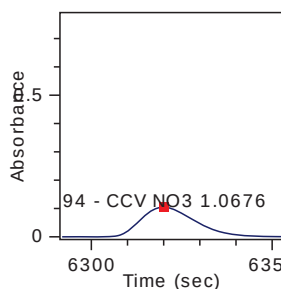
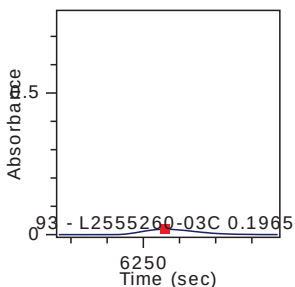
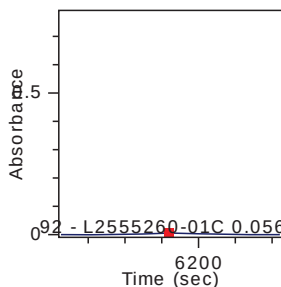
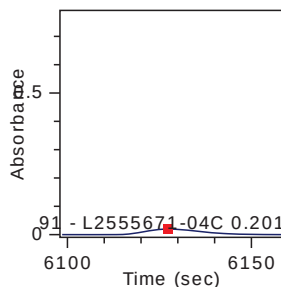
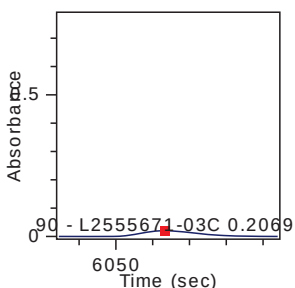
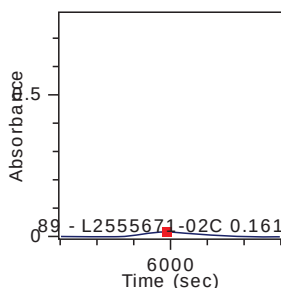
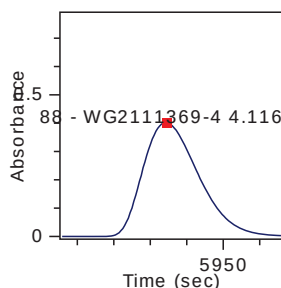
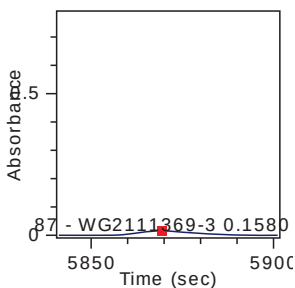
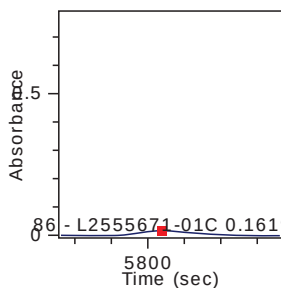
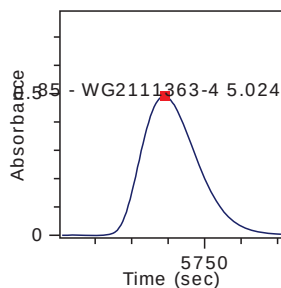
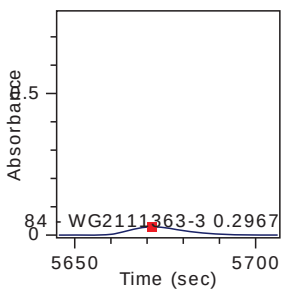
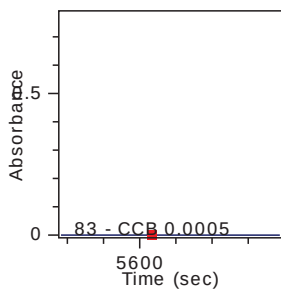
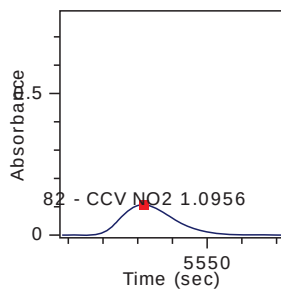


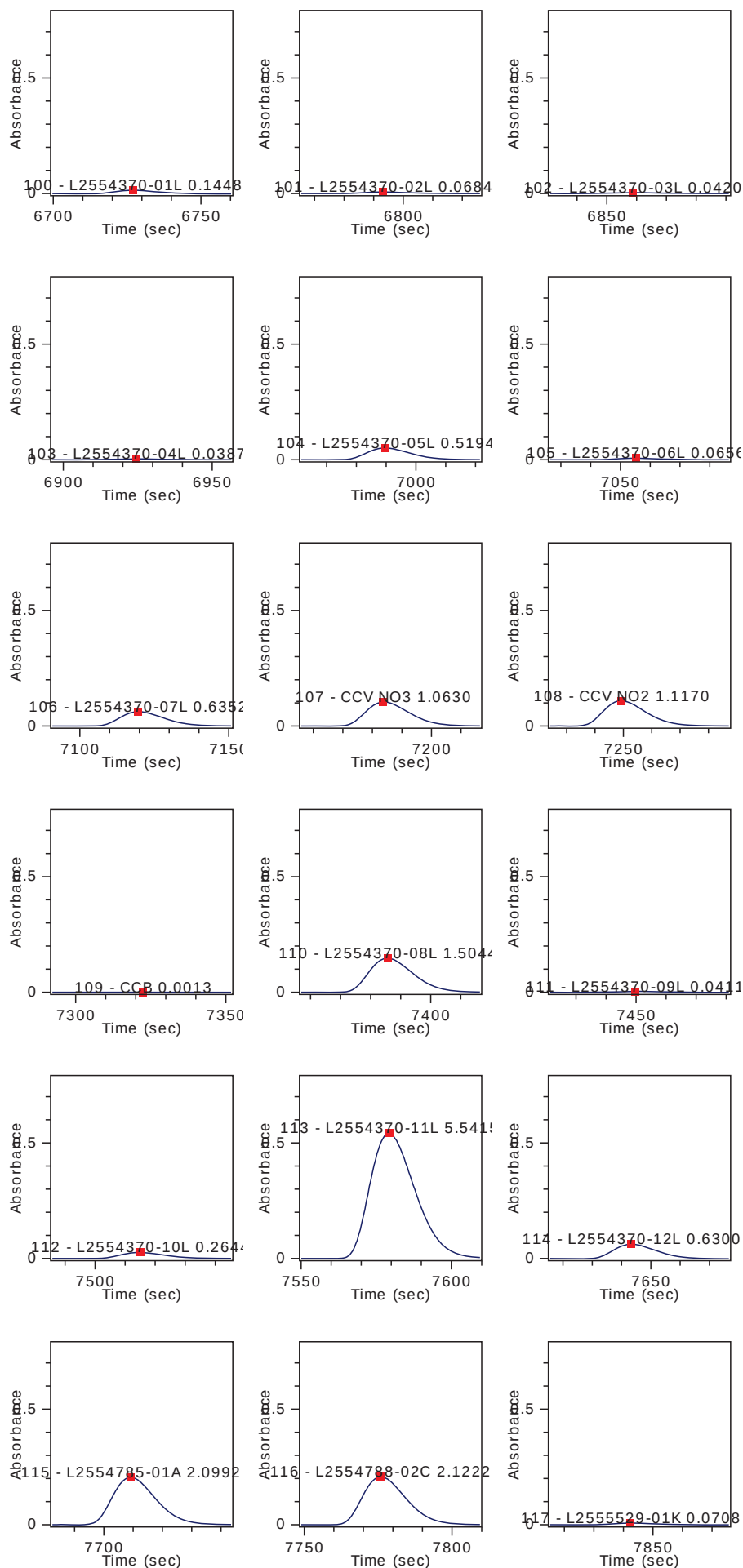


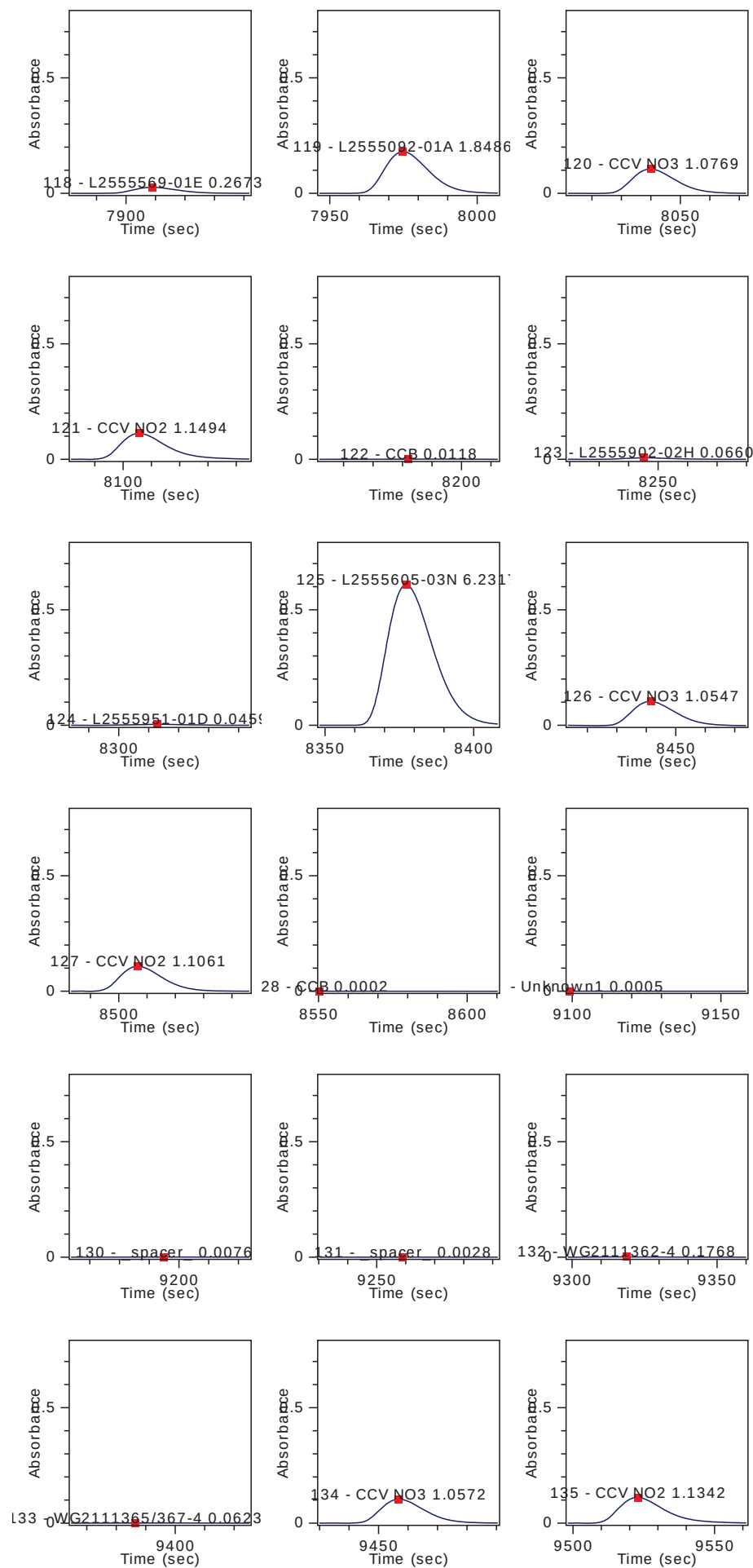


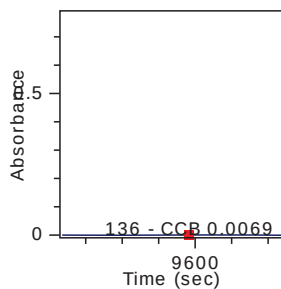




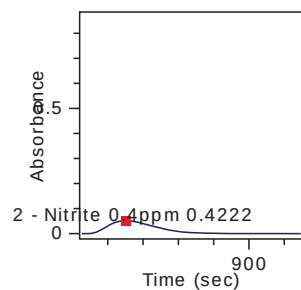
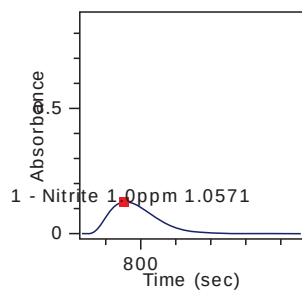
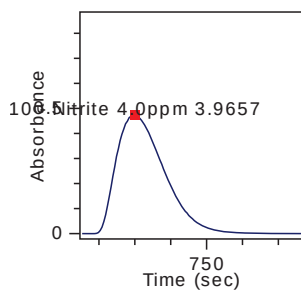
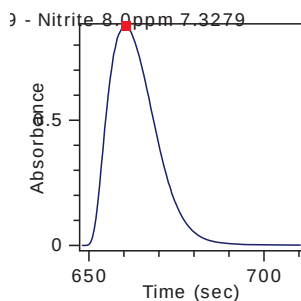
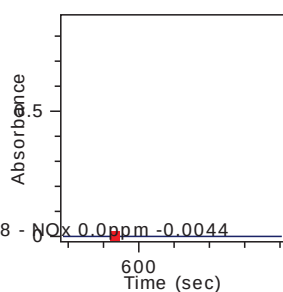
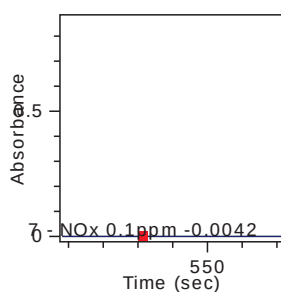
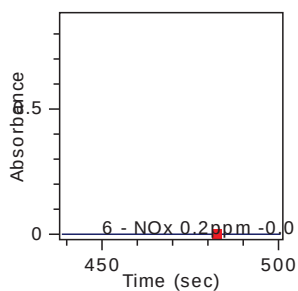
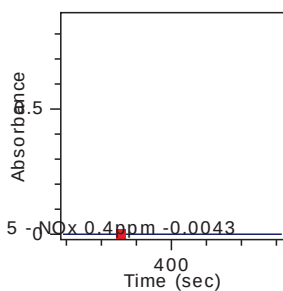
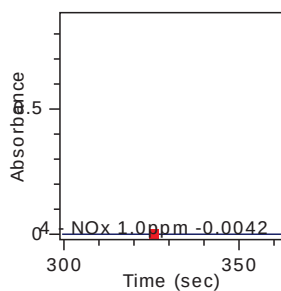
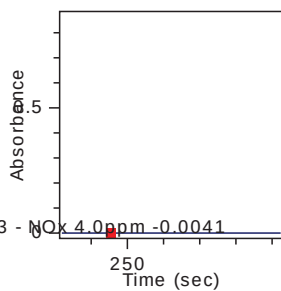
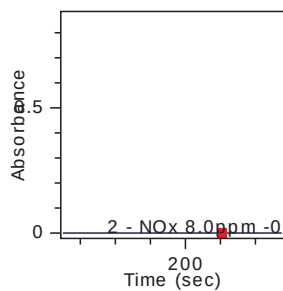
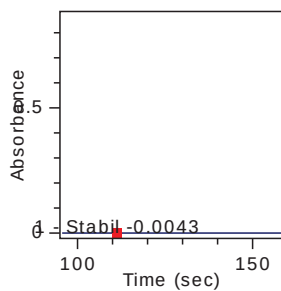


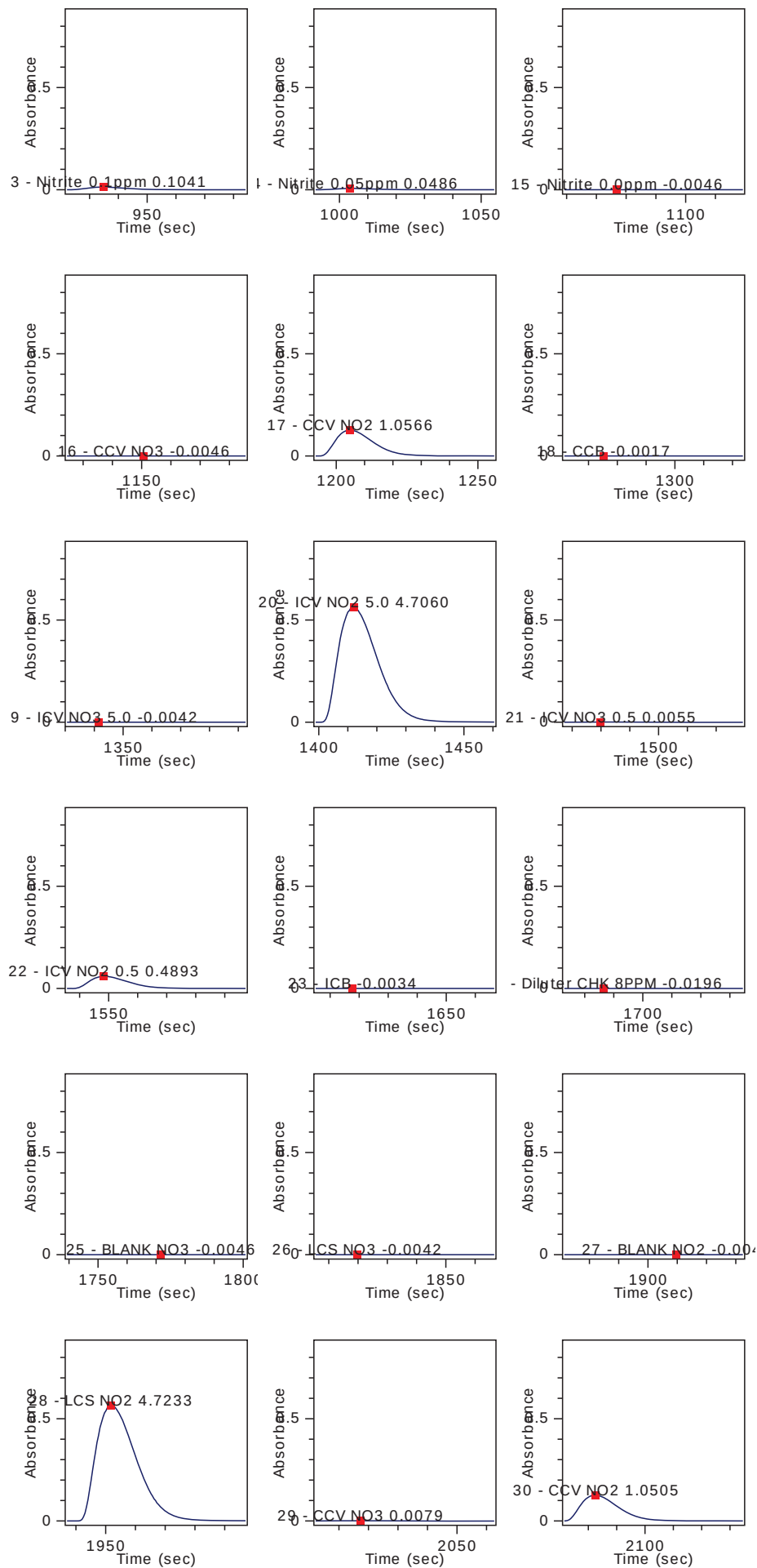


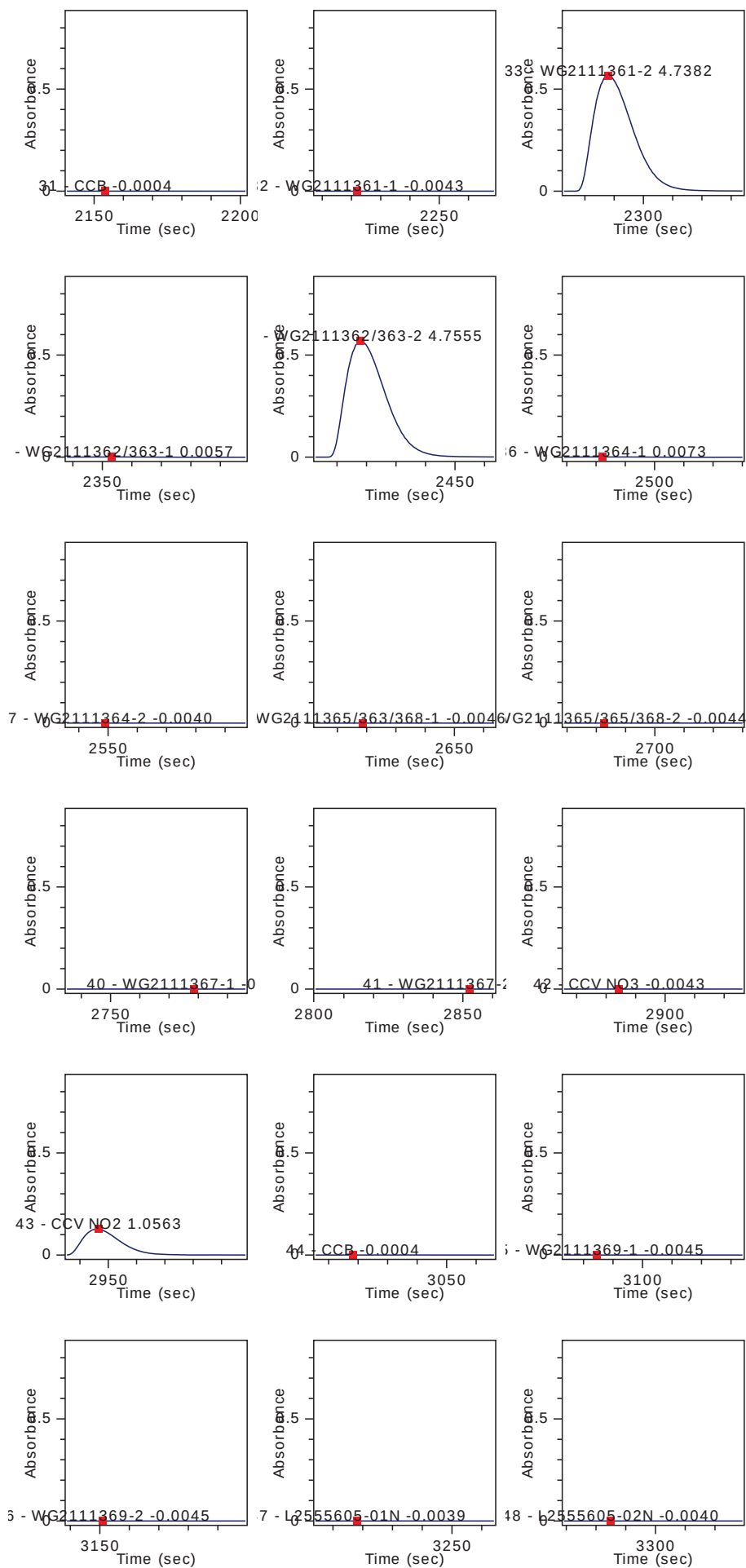


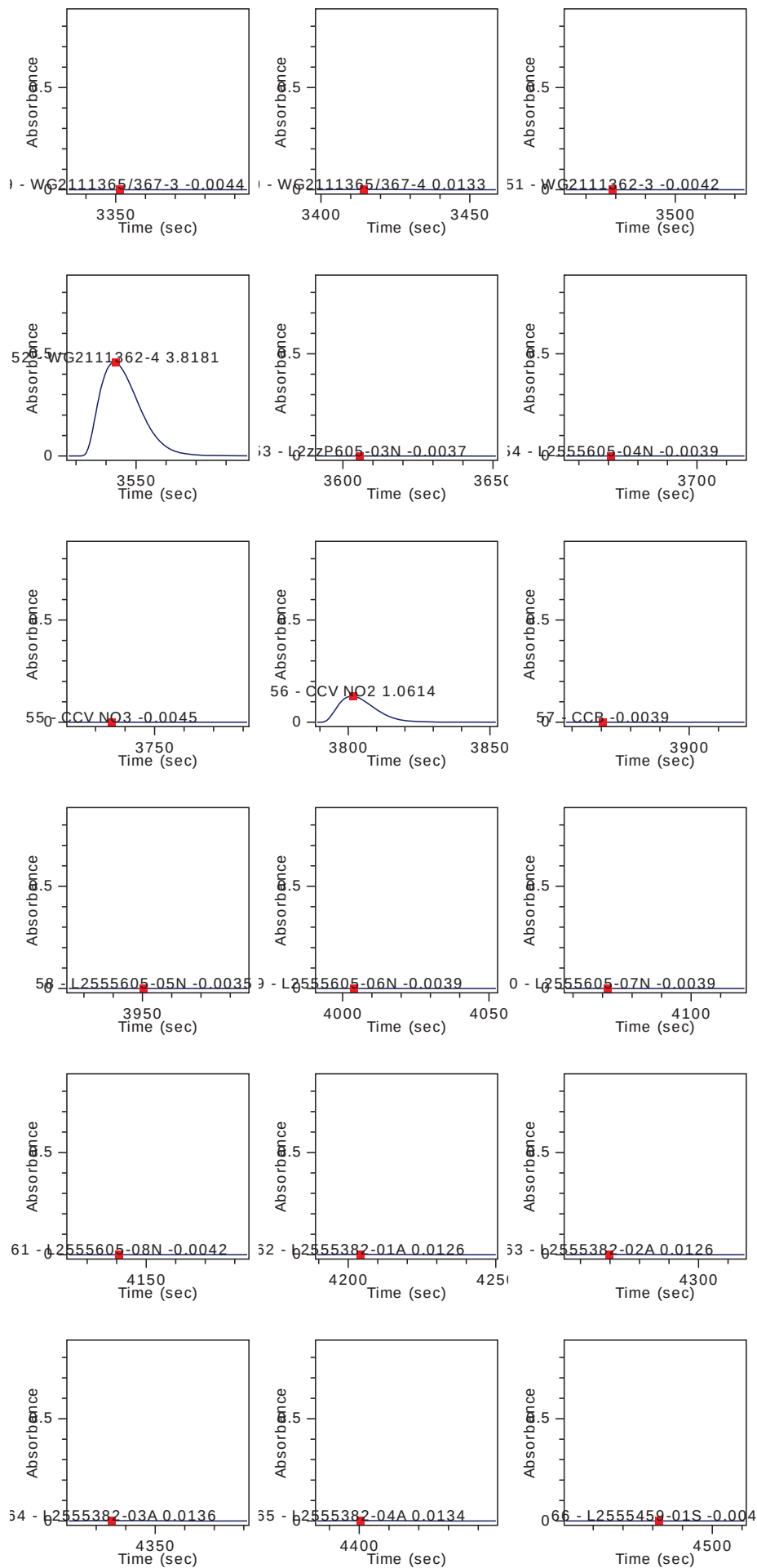


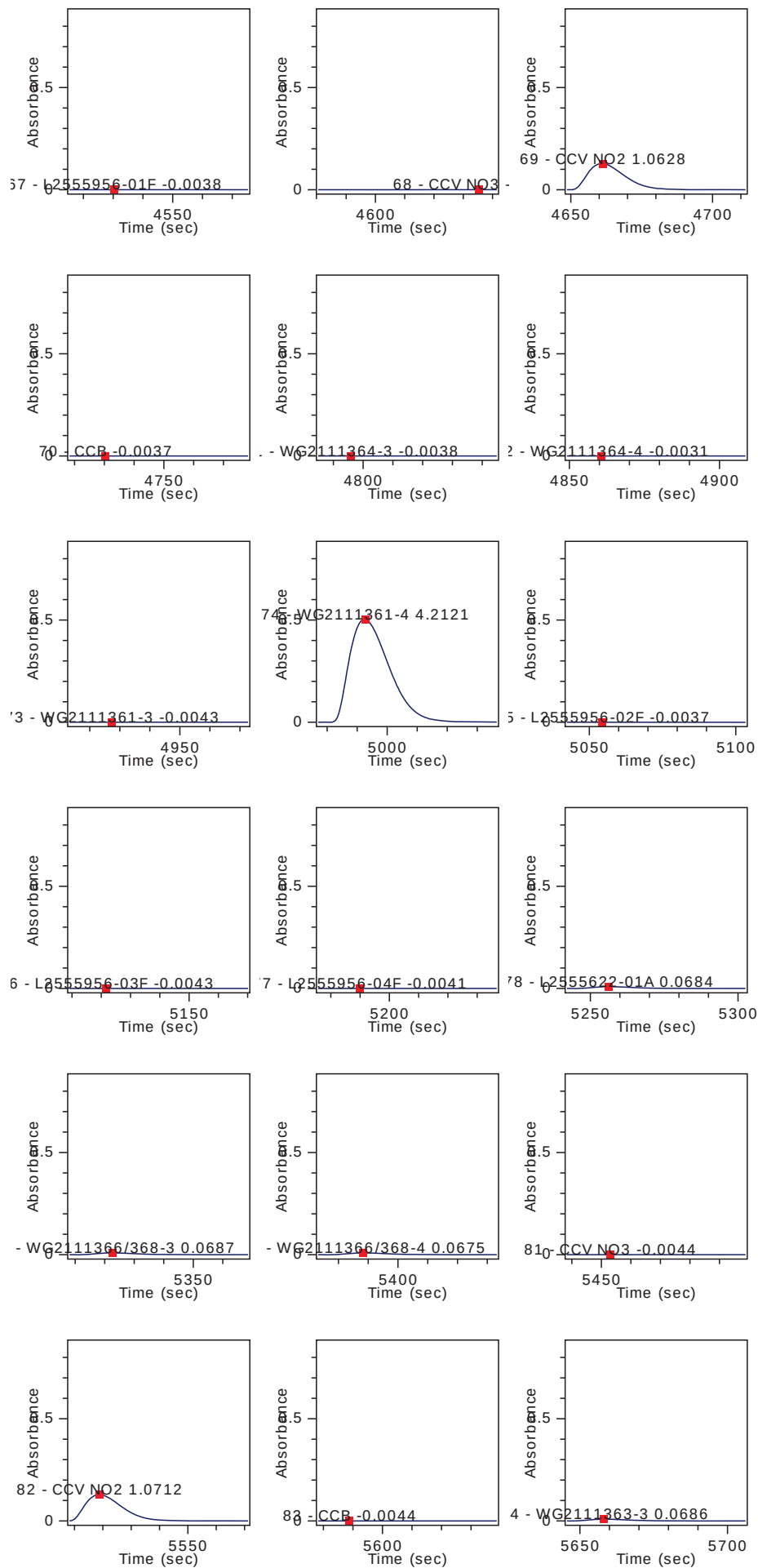
Channel: 2-NO2

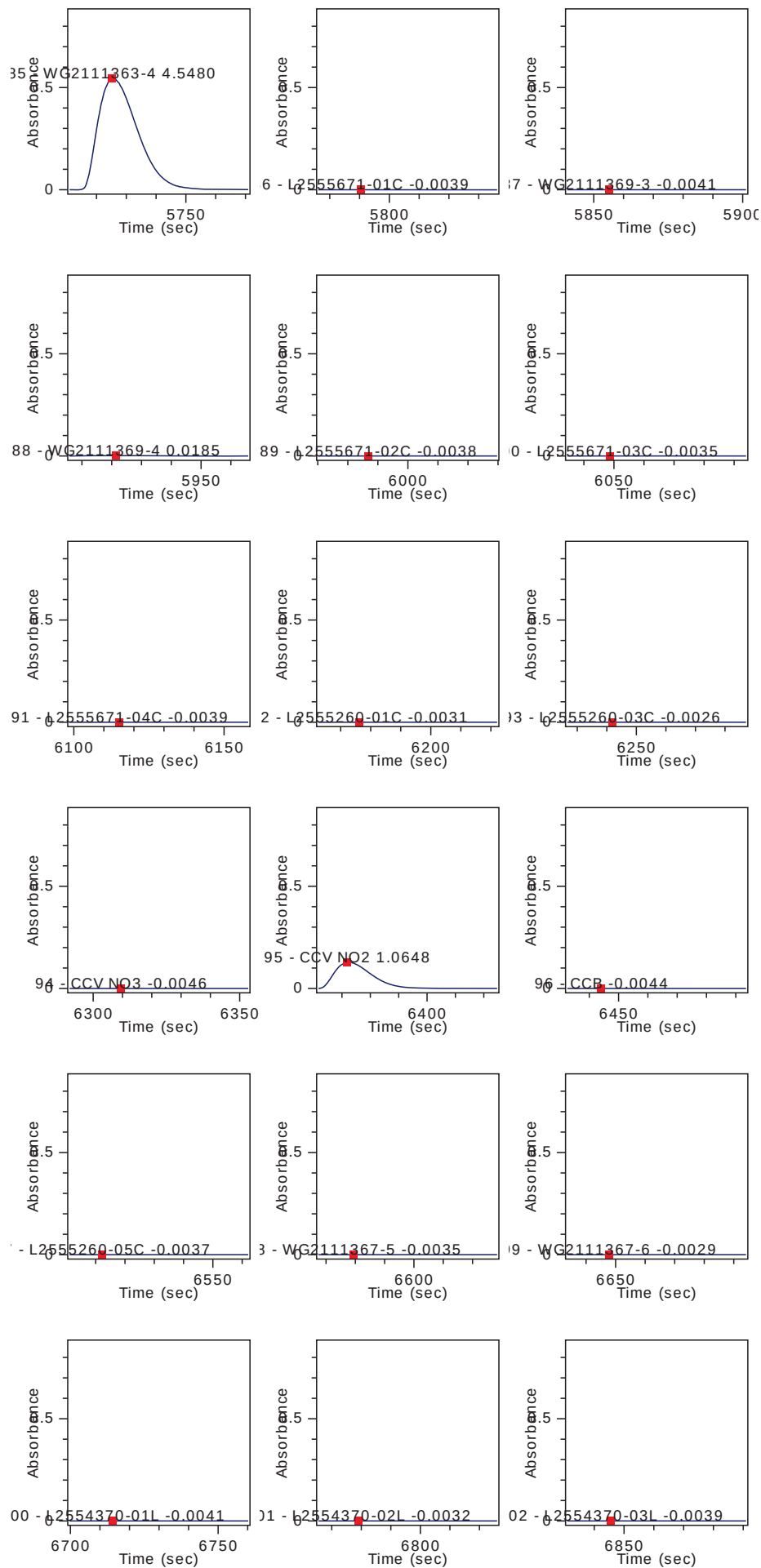


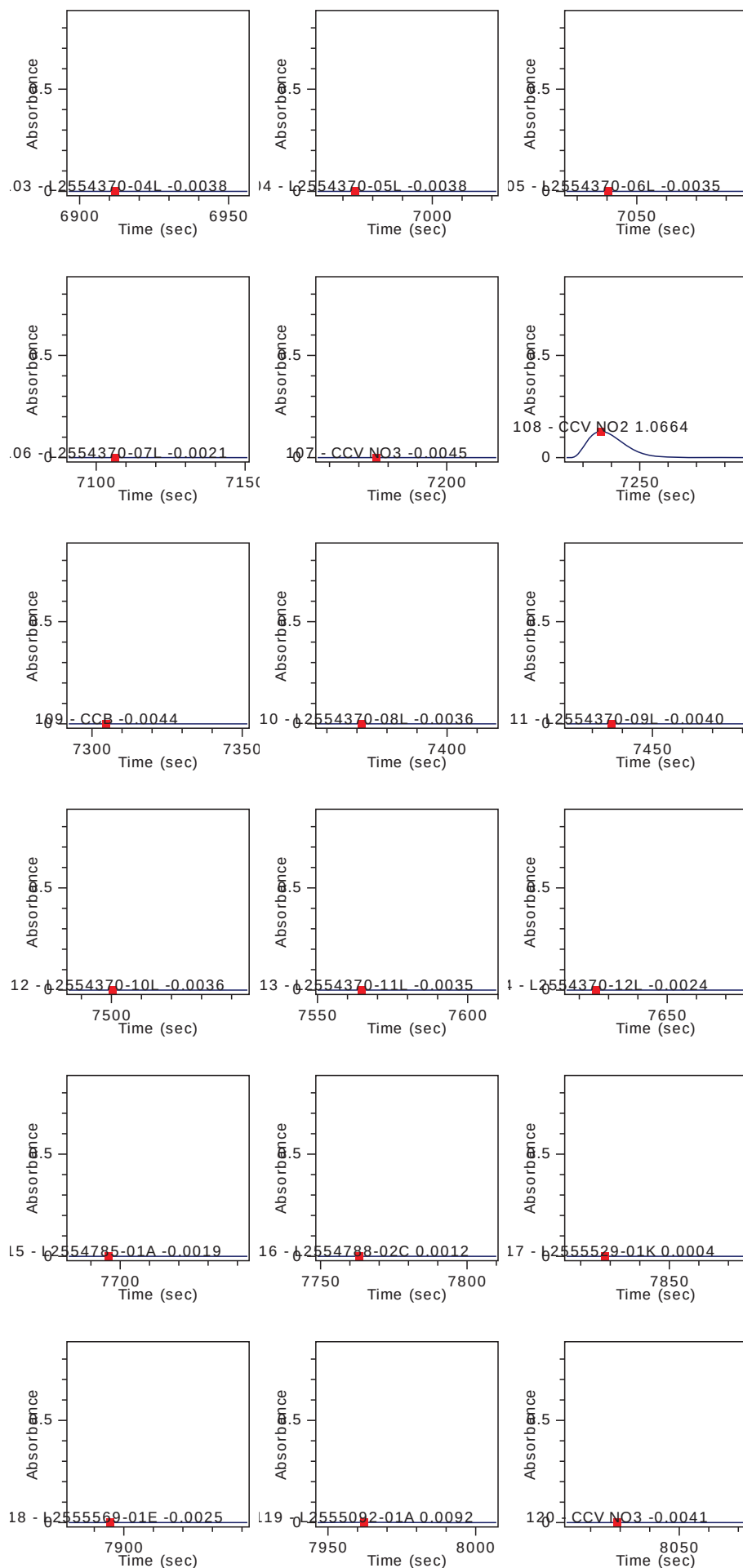


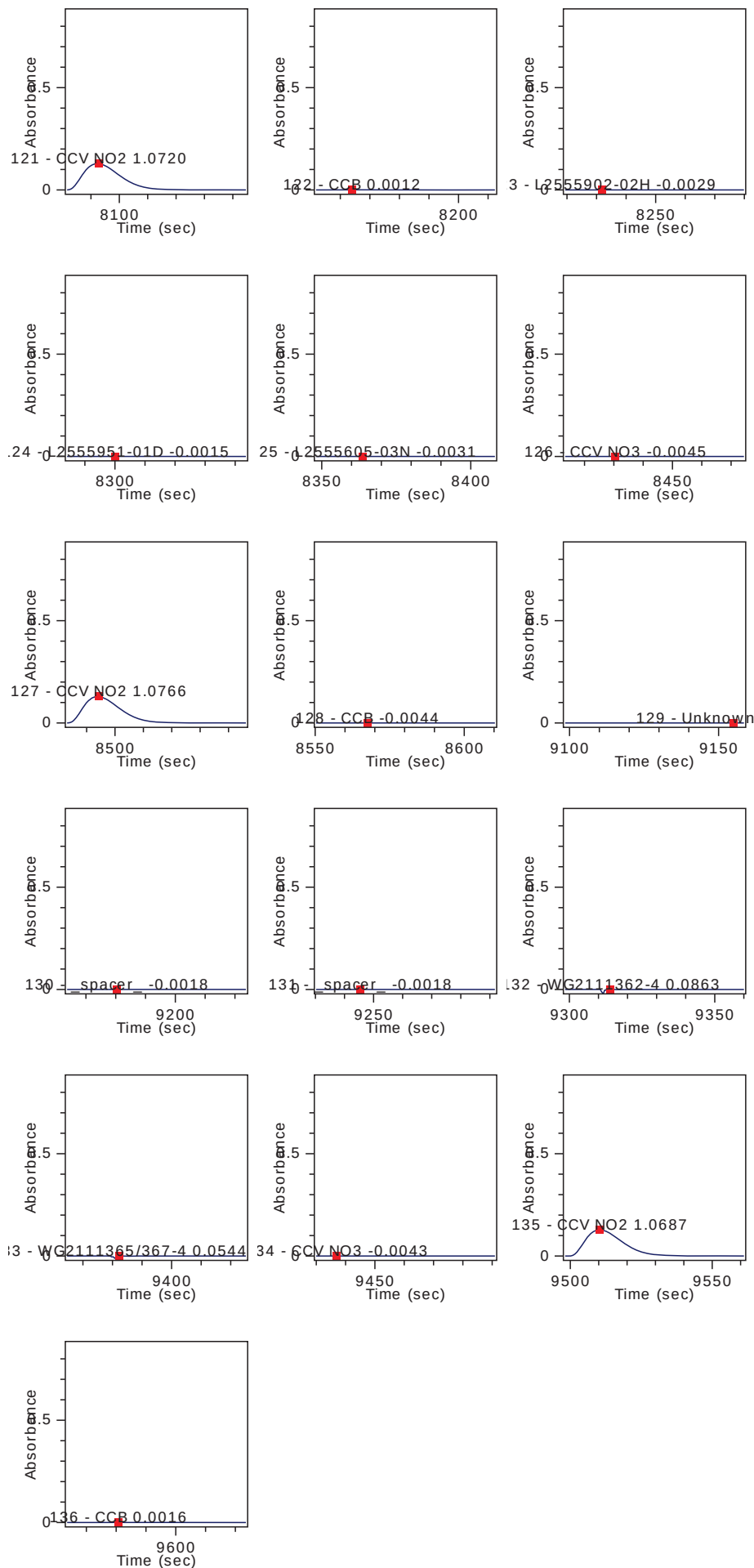












Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T02:33:29

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:36

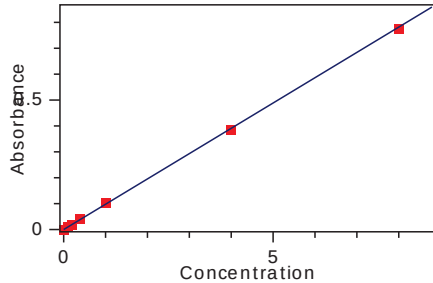
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
---------	--

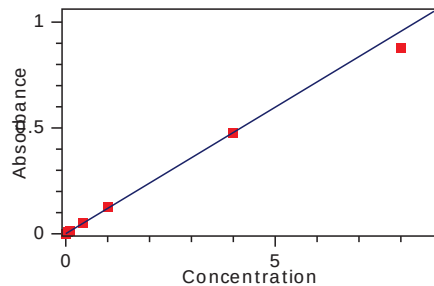
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	N/A
10002	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	N/A
10003	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	N/A
10004	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	N/A
10005	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	N/A
10006	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	N/A



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	N/A
10002	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	N/A
10003	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	N/A
10004	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	N/A
10005	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	N/A
10006	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	N/A
10007	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0002	1	1	1	0.0025		2025-09-06T07:21:15
CCV NO3	2	QC	1	0.1049	1	1	1	1.0735		2025-09-06T07:22:28
CCV NO2	3	QC	?	0.1104	1	1	1	1.1304		2025-09-06T07:23:34
CCB	4	QC	0	0.0009	1	1	1	0.0091		2025-09-06T07:24:49

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111365/367-4	5	Unknown	?	0.1617	1	5	1	8.2740		2025-09-06T07:25:52
WG2111400-1	6	Unknown	?	0.0000	1	1	1	0.0001		2025-09-06T07:26:31
WG2111400-2	7	Unknown	?	0.4844	1	1	1	4.9570		2025-09-06T07:28:04
WG2111401-1	8	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T07:28:41
WG2111401-2	9	Unknown	?	0.4862	1	1	1	4.9758		2025-09-06T07:30:14
L2554780-02A	10	Unknown	?	0.6651	1	1	1	6.8060		2025-09-06T07:31:20
WG2111400-3	11	Unknown	?	0.6590	1	1	1	6.7436		2025-09-06T07:32:24
WG2111400-4	12	Unknown	?	0.9648	1	1	1	9.8732	OVR	2025-09-06T07:33:29
L2554800-01A	13	Unknown	?	1.3422	1	1	1	13.7344	OVR	2025-09-06T07:34:34
L2554949-01A	14	Unknown	?	0.0325	1	1	1	0.3327		2025-09-06T07:35:39
CCV NO3	15	QC	1	0.1035	1	1	1	1.0600		2025-09-06T07:36:45
CCV NO2	16	QC	?	0.1099	1	1	1	1.1249		2025-09-06T07:37:51
CCB	17	QC	0	0.0007	1	1	1	0.0075		2025-09-06T07:39:04
L2554949-02A	18	Unknown	?	0.0316	1	1	1	0.3238		2025-09-06T07:40:09
L2555006-01A	19	Unknown	?	0.0068	1	1	1	0.0697		2025-09-06T07:41:17
L2555051-02A	20	Unknown	?	0.1038	1	1	1	1.0622		2025-09-06T07:42:23
L2555051-04A	21	Unknown	?	0.0399	1	1	1	0.4088		2025-09-06T07:43:29
L2555051-07A	22	Unknown	?	0.0511	1	1	1	0.5231		2025-09-06T07:44:34
L2555094-01A	23	Unknown	?	0.1765	1	1	1	1.8067		2025-09-06T07:45:40
WG2111400-5	24	Unknown	?	0.1761	1	1	1	1.8019		2025-09-06T07:46:46
WG2111400-6	25	Unknown	?	0.5597	1	1	1	5.7280		2025-09-06T07:47:51
L2555094-02B	26	Unknown	?	0.9937	1	1	1	10.1689	OVR	2025-09-06T07:48:56
L2555509-02B	27	Unknown	?	0.0118	1	1	1	0.1215		2025-09-06T07:50:02
CCV NO3	28	QC	1	0.1031	1	1	1	1.0551		2025-09-06T07:51:06
CCV NO2	29	QC	?	0.1063	1	1	1	1.0879		2025-09-06T07:52:12
CCB	30	QC	0	0.0001	1	1	1	0.0011		2025-09-06T07:53:23
L2555509-03B	31	Unknown	?	0.3455	1	1	1	3.5354		2025-09-06T07:54:31
CCV NO3	32	QC	1	0.1021	1	1	1	1.0447		2025-09-06T07:55:36
CCV NO2	33	QC	?	0.1061	1	1	1	1.0859		2025-09-06T07:56:42
CCB	34	QC	0	0.0001	1	1	1	0.0009		2025-09-06T07:57:52
spacer	35	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T08:06:31
spacer	36	Unknown	?	0.0004	1	1	1	0.0049		2025-09-06T08:07:55
WG2111400-4	37	Unknown	?	0.1036	1	10	1	10.6067		2025-09-06T08:09:04

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554800-01A	38	Unknown	?	0.1888	1	10	1	19.3230		2025-09-06T08:10:13
L2555094-02B	39	Unknown	?	0.1104	1	10	1	11.2998		2025-09-06T08:11:21
L2554949-01A	40	Unknown	?	0.0363	1	1	1	0.3720		2025-09-06T08:12:29
L2555509-02B	41	Unknown	?	0.0146	1	1	1	0.1500		2025-09-06T08:13:35
CCV NO3	42	QC	1	0.1025	1	1	1	1.0490		2025-09-06T08:14:39
CCV NO2	43	QC	?	0.1056	1	1	1	1.0805		2025-09-06T08:15:44
CCB	44	QC	0	0.0001	1	1	1	0.0009		2025-09-06T08:16:57

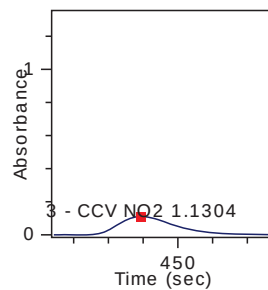
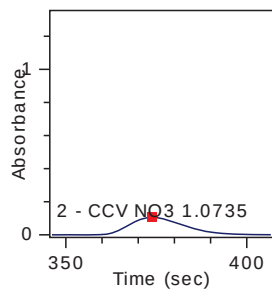
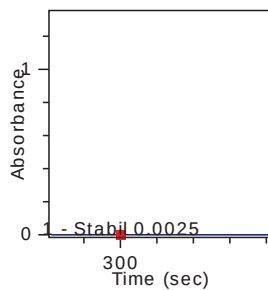
Channel: 2-NO2

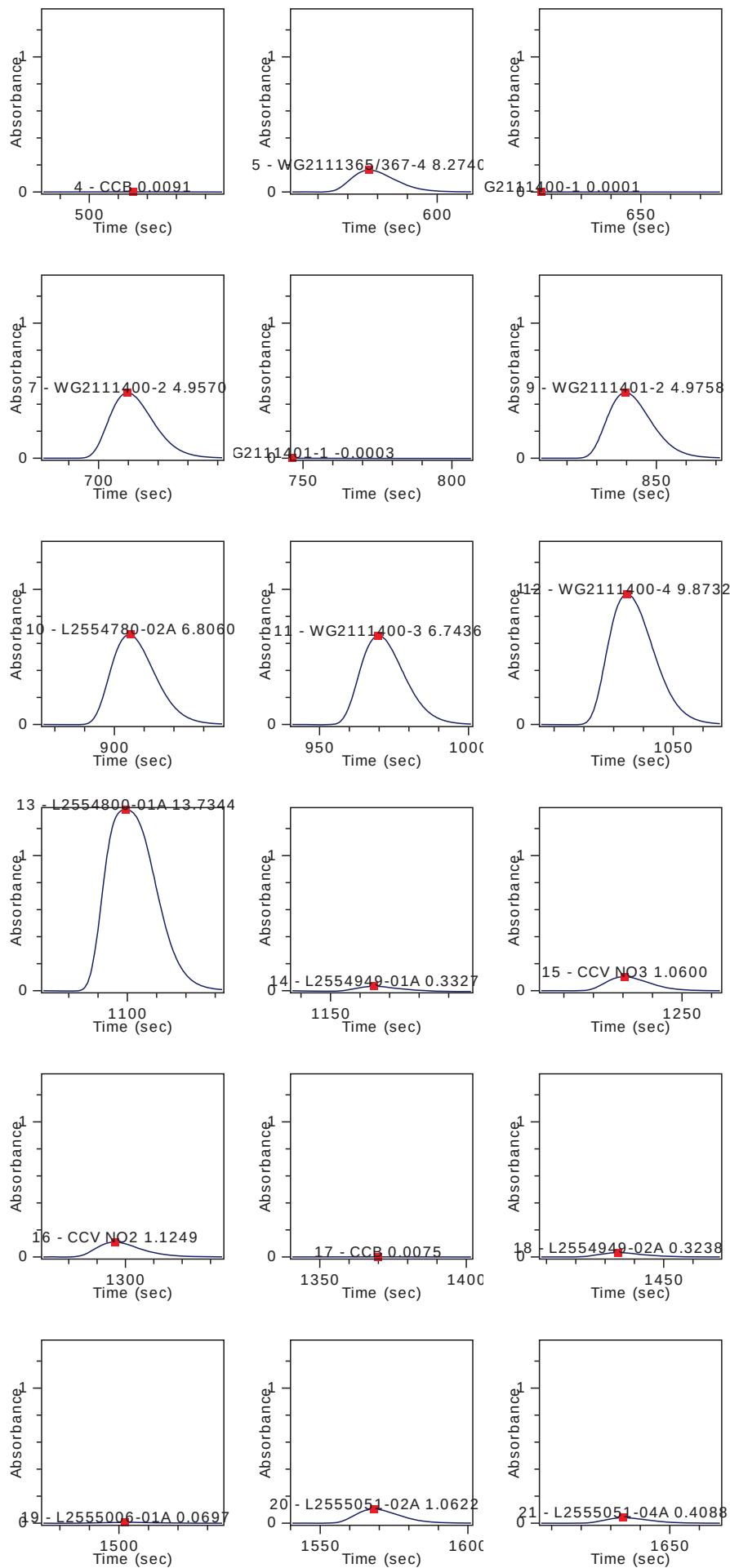
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T07:20:56
CCV NO3	2	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T07:22:15
CCV NO2	3	QC	1	0.1275	1	1	1	1.0624		2025-09-06T07:23:21
CCB	4	QC	0	0.0006	1	1	1	0.0004		2025-09-06T07:24:32
WG2111365/367-4	5	Unknown	?	0.0006	1	5	1	0.0012		2025-09-06T07:25:40
WG2111400-1	6	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T07:27:30
WG2111400-2	7	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T07:28:20
WG2111401-1	8	Unknown	?	0.0001	1	1	1	-0.0044		2025-09-06T07:29:05
WG2111401-2	9	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T07:30:18
L2554780-02A	10	Unknown	?	0.0037	1	1	1	0.0263		2025-09-06T07:31:07
WG2111400-3	11	Unknown	?	0.0039	1	1	1	0.0280		2025-09-06T07:32:11
WG2111400-4	12	Unknown	?	0.0037	1	1	1	0.0266		2025-09-06T07:33:15
L2554800-01A	13	Unknown	?	0.0433	1	1	1	0.3577		2025-09-06T07:34:20
L2554949-01A	14	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T07:35:26
CCV NO3	15	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T07:36:47
CCV NO2	16	QC	1	0.1276	1	1	1	1.0632		2025-09-06T07:37:38
CCB	17	QC	0	0.0006	1	1	1	-0.0001		2025-09-06T07:38:49
L2554949-02A	18	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T07:39:55
L2555006-01A	19	Unknown	?	0.0004	1	1	1	-0.0014		2025-09-06T07:41:02
L2555051-02A	20	Unknown	?	0.0399	1	1	1	0.3295		2025-09-06T07:42:10
L2555051-04A	21	Unknown	?	0.0025	1	1	1	0.0159		2025-09-06T07:43:14
L2555051-07A	22	Unknown	?	0.0043	1	1	1	0.0310		2025-09-06T07:44:21
L2555094-01A	23	Unknown	?	0.0058	1	1	1	0.0441		2025-09-06T07:45:27
WG2111400-5	24	Unknown	?	0.0058	1	1	1	0.0441		2025-09-

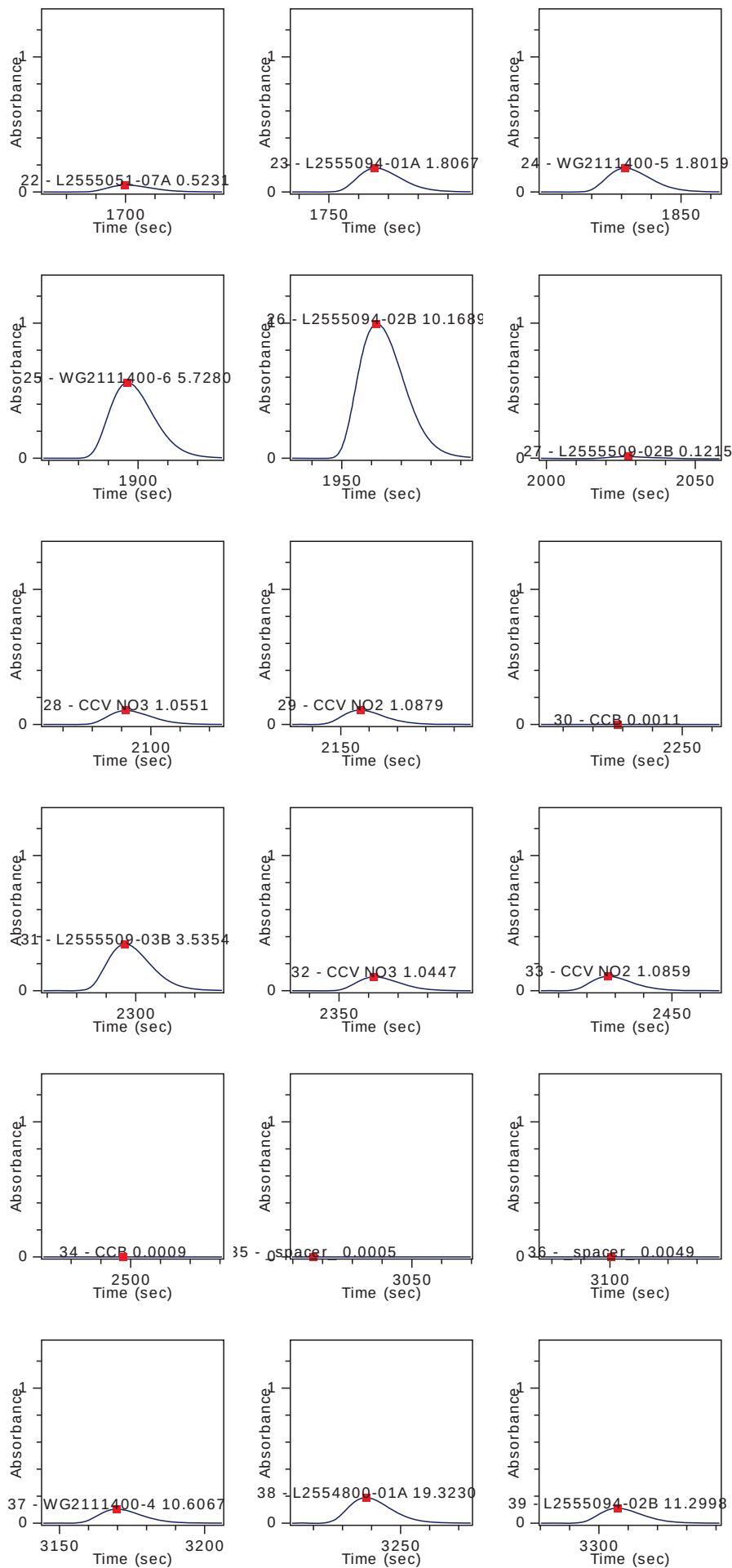
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T07:46:33
WG2111400-6	25	Unknown	?	0.0057	1	1	1	0.0433		2025-09-06T07:47:38
L2555094-02B	26	Unknown	?	0.0696	1	1	1	0.5775		2025-09-06T07:48:43
L255509-02B	27	Unknown	?	0.0009	1	1	1	0.0028		2025-09-06T07:49:48
CCV NO3	28	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T07:50:54
CCV NO2	29	QC	1	0.1269	1	1	1	1.0571		2025-09-06T07:51:59
CCB	30	QC	0	0.0001	1	1	1	-0.0041		2025-09-06T07:53:12
L255509-03B	31	Unknown	?	0.0324	1	1	1	0.2664		2025-09-06T07:54:18
CCV NO3	32	QC	?	0.0001	1	1	1	-0.0037		2025-09-06T07:55:24
CCV NO2	33	QC	1	0.1265	1	1	1	1.0539		2025-09-06T07:56:29
CCB	34	QC	0	0.0001	1	1	1	-0.0043		2025-09-06T07:57:41
spacer	35	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T08:07:22
spacer	36	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T08:07:45
WG2111400-4	37	Unknown	?	0.0004	1	10	1	-0.0132		2025-09-06T08:08:54
L2554800-01A	38	Unknown	?	0.0044	1	10	1	0.3213		2025-09-06T08:10:01
L2555094-02B	39	Unknown	?	0.0069	1	10	1	0.5335		2025-09-06T08:11:09
L2554949-01A	40	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T08:12:16
L255509-02B	41	Unknown	?	0.0009	1	1	1	0.0031		2025-09-06T08:13:20
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0038		2025-09-06T08:14:27
CCV NO2	43	QC	1	0.1254	1	1	1	1.0451		2025-09-06T08:15:31
CCB	44	QC	0	0.0002	1	1	1	-0.0033		2025-09-06T08:16:42

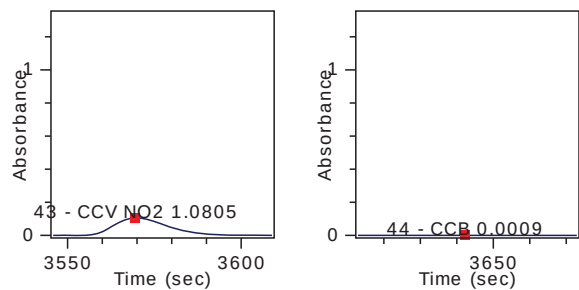
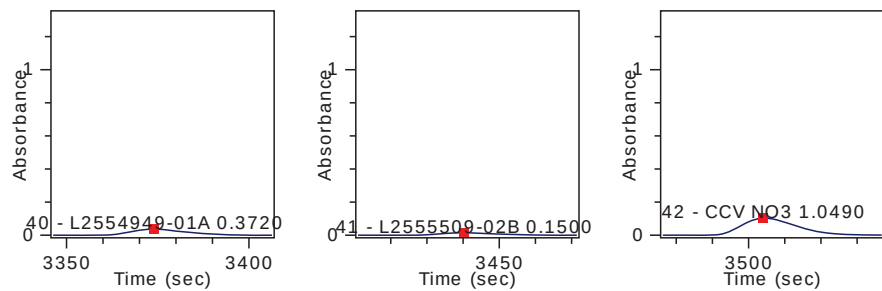
Peaks:

Channel: 1-NOx

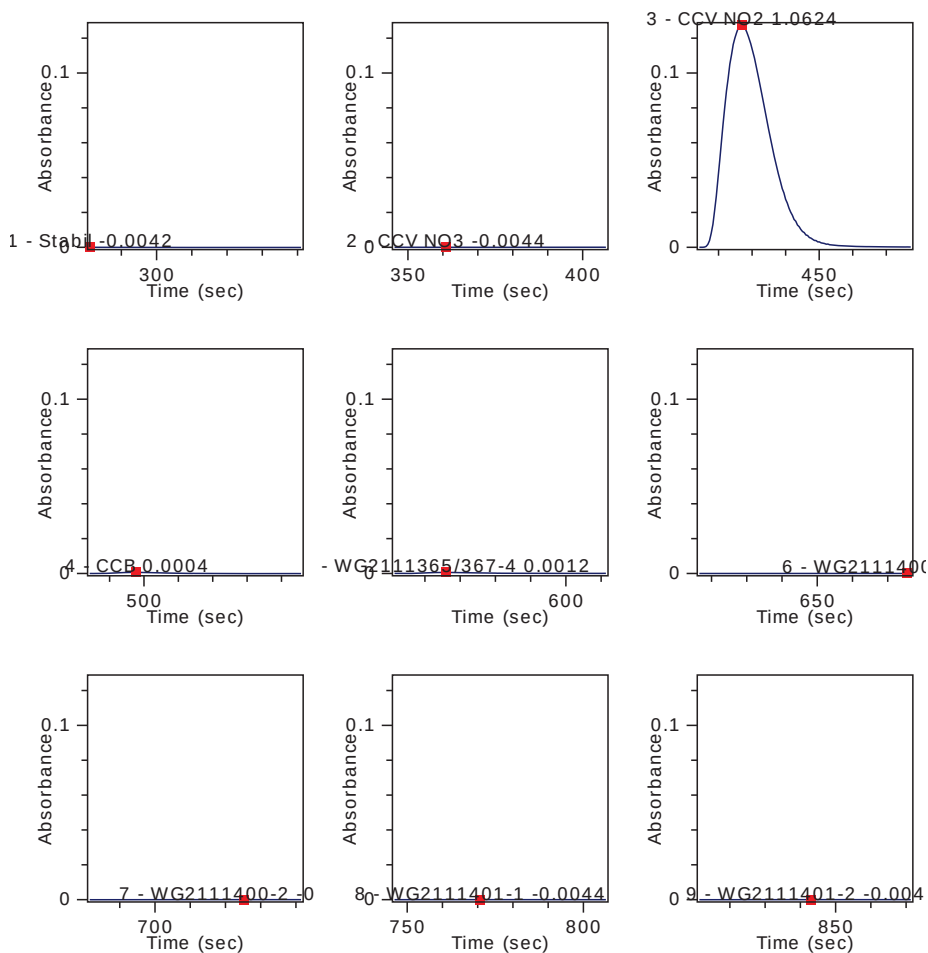


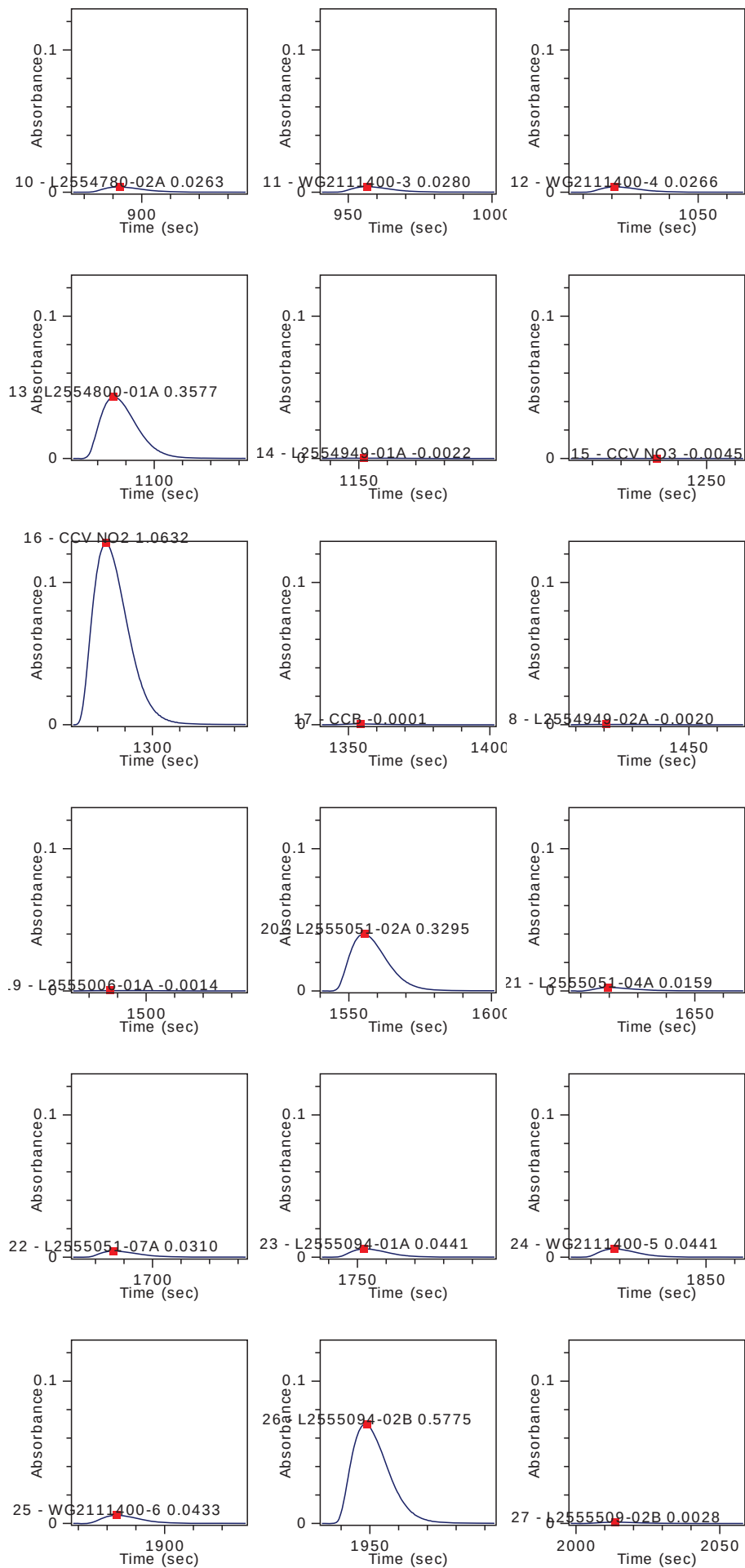


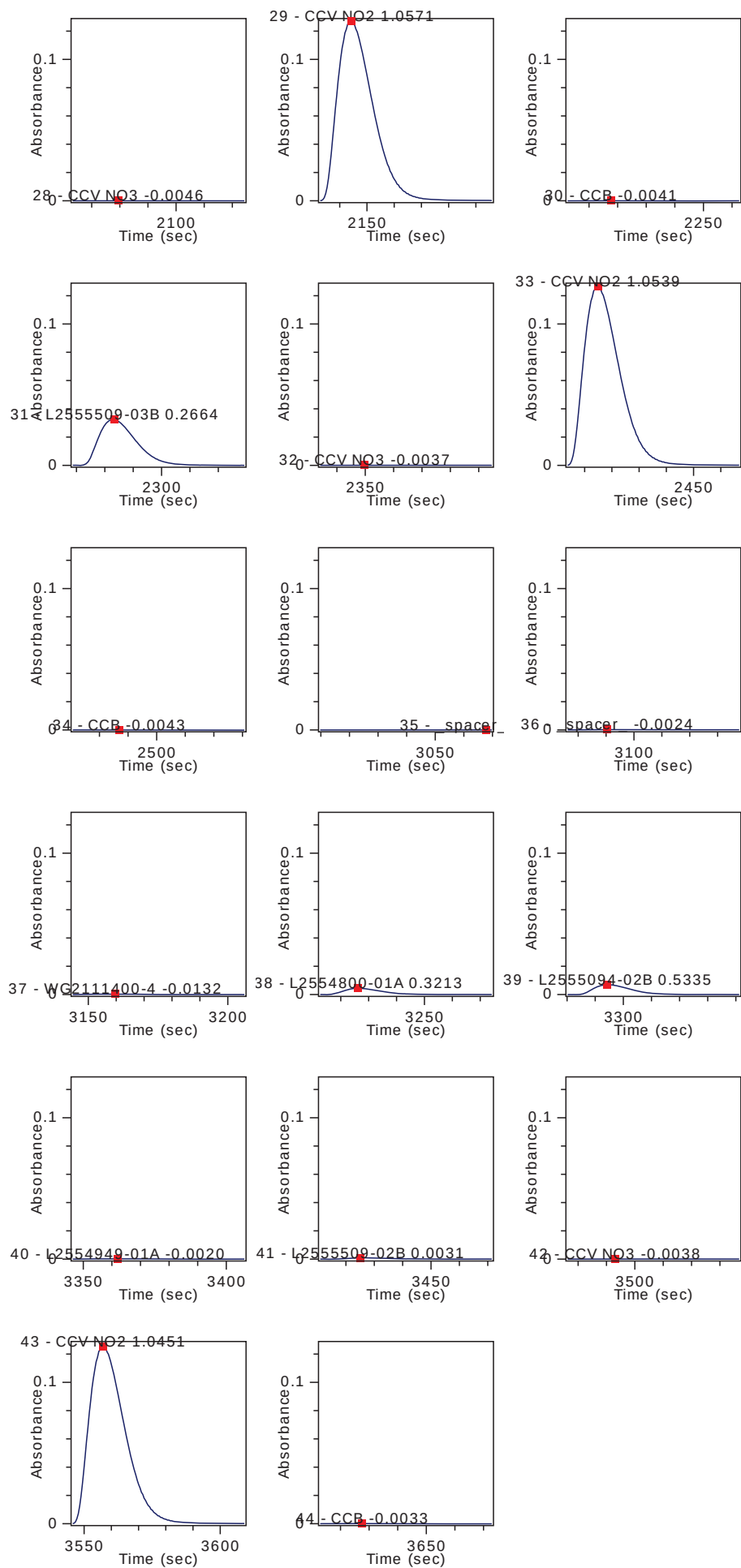




Channel: 2-NO2







Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T07:16:15

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2111362-4
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/06/25 03:32
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Nitrogen, Nitrite	ND	4	3.82	96					80-120	20

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2111365-4
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/06/25 07:25
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Nitrate	4.34	4	8.27	98					83-113	17

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2111367-4
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/06/25 07:25
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Nitrate/Nitrite	4.3	4	8.3	100					80-120	20

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555260-05
 Matrix Spike : WG2111367-6
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/06/25 04:24
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Nitrate/Nitrite	3.3	4	7.0	92					80-120	20

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/06/25 03:28
Dup Sample ID	: WG2111362-3	DUP Analysis Date	: 09/06/25 03:31

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrite	ND	ND	NC	20

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/06/25 03:28
Dup Sample ID	: WG2111365-3	DUP Analysis Date	: 09/06/25 03:29

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate	4.34	4.42	2	17



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/06/25 03:28
Dup Sample ID	: WG2111367-3	DUP Analysis Date	: 09/06/25 03:29

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	4.3	4.4	2	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/06/25 04:22
Dup Sample ID	: WG2111367-5	DUP Analysis Date	: 09/06/25 04:23

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	3.3	3.3	0	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111362-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/06/25 03:13
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrite	5.00	4.76	95.					90-110	20

Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111365-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/06/25 03:18
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrate	5.00	4.92	98.					90-110	17



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111367-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/06/25 03:21
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrate/Nitrite	5.00	4.90	98.					90-110	20



Calculations of Nitrogen, Nitrate

Aqueous Samples:

Compute sample N in NO₃ concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 1 (NO₃+NO₂) and Channel 2 (NO₂)

$$\text{NO}_3 \text{ mg/I} = (\text{NO}_3 + \text{NO}_2) \text{ mg/L} - (\text{NO}_2) \text{ mg/L}$$

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(\text{NO}_3)\text{-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Calculations of Nitrogen, Nitrite

Aqueous Samples:

Compute sample N in NO₂ concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (NO₂)

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(\text{NO}_2)\text{-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:37:07

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	NOx 8.0ppm	RD76	Standard	1	1	1	1	
3	NOx 4.0ppm	RD77	Standard	2	1	1	1	
4	NOx 1.0ppm	RS1	Standard	3	1	1	1	
5	NOx 0.4ppm	RD78	Standard	4	1	1	1	
6	NOx 0.2ppm	RD79	Standard	5	1	1	1	
7	NOx 0.1ppm	RD80	Standard	6	1	1	1	
8	NOx 0.0ppm	RS10	Standard	7	1	1	1	
9	Nitrite 8.0ppm	RD81	Standard	8	1	1	1	
10	Nitrite 4.0ppm	RD82	Standard	9	1	1	1	
11	Nitrite 1.0ppm	RS2	Standard	10	1	1	1	
12	Nitrite 0.4ppm	RD83	Standard	11	1	1	1	
13	Nitrite 0.1ppm	RD84	Standard	13	1	1	1	
14	Nitrite 0.05ppm	RD85	Standard	14	1	1	1	
15	Nitrite 0.0ppm	RS10	Standard	15	1	1	1	
16	CCV NO3	RS1	QC	94	1	1	1	
17	CCV NO2	RS2	QC	95	1	1	1	
18	CCB	RS10	QC	96	1	1	1	
19	ICV NO3 5.0	RA1	QC	90	1	1	1	
20	ICV NO2 5.0	RA2	QC	92	1	1	1	
21	ICV NO3 0.5	RA3	QC	91	1	1	1	
22	ICV NO2 0.5	RA4	QC	93	1	1	1	
23	ICB	RA5	QC	96	1	1	1	
24	Diluter CHK 8PPM	RD1	Unknown	0	1	5	1	
25	BLANK NO3	RA7	Unknown	0	1	1	1	
26	LCS NO3	RA8	Unknown	0	1	1	1	
27	BLANK NO2	RA9	Unknown	0	1	1	1	
28	LCS NO2	RA10	Unknown	0	1	1	1	
29	CCV NO3	RS1	QC	94	1	1	1	
30	CCV NO2	RS2	QC	95	1	1	1	
31	CCB	RS10	QC	96	1	1	1	
32	WG2111361-1	RA11	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
33	WG2111361-2	RA12	Unknown	0	1	1	1	
34	WG2111362/363-1	RA13	Unknown	0	1	1	1	
35	WG2111362/363-2	RA14	Unknown	0	1	1	1	
36	WG2111364-1	RA15	Unknown	0	1	1	1	
37	WG2111364-2	RA16	Unknown	0	1	1	1	
38	WG2111365/363/368-1	RA17	Unknown	0	1	1	1	
39	WG2111365/365/368-2	RA18	Unknown	0	1	1	1	
40	WG2111367-1	RA19	Unknown	0	1	1	1	
41	WG2111367-2	RA20	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	
45	WG2111369-1	RA21	Unknown	0	1	1	1	
46	WG2111369-2	RA22	Unknown	0	1	1	1	
47	L2555605-01N	RA23	Unknown	0	1	1	1	
48	L2555605-02N	RA24	Unknown	0	1	1	1	
49	WG2111365/367-3	RA25	Unknown	0	1	1	1	
50	WG2111365/367-4	RA26	Unknown	0	1	1	1	
51	WG2111362-3	RA27	Unknown	0	1	1	1	
52	WG2111362-4	RA28	Unknown	0	1	1	1	
53	L2zzP605-03N	RA29	Unknown	0	1	1	1	
54	L2555605-04N	RA30	Unknown	0	1	1	1	
55	CCV NO3	RS1	QC	94	1	1	1	
56	CCV NO2	RS2	QC	95	1	1	1	
57	CCB	RS10	QC	96	1	1	1	
58	L2555605-05N	RA31	Unknown	0	1	1	1	
59	L2555605-06N	RA32	Unknown	0	1	1	1	
60	L2555605-07N	RA33	Unknown	0	1	1	1	
61	L2555605-08N	RA34	Unknown	0	1	1	1	
62	L2555382-01A	RA35	Unknown	0	1	1	1	
63	L2555382-02A	RA36	Unknown	0	1	1	1	
64	L2555382-03A	RA37	Unknown	0	1	1	1	
65	L2555382-04A	RA38	Unknown	0	1	1	1	
66	L2555459-01S	RA39	Unknown	0	1	1	1	
67	L2555956-01F	RA40	Unknown	0	1	1	1	
68	CCV NO3	RS1	QC	94	1	1	1	
69	CCV NO2	RS2	QC	95	1	1	1	
70	CCB	RS10	QC	96	1	1	1	
71	WG2111364-3	RA41	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
72	WG2111364-4	RA42	Unknown	0	1	1	1	
73	WG2111361-3	RA43	Unknown	0	1	1	1	
74	WG2111361-4	RA44	Unknown	0	1	1	1	
75	L2555956-02F	RA45	Unknown	0	1	1	1	
76	L2555956-03F	RA46	Unknown	0	1	1	1	
77	L2555956-04F	RA47	Unknown	0	1	1	1	
78	L2555622-01A	RA48	Unknown	0	1	1	1	
79	WG2111366/368-3	RA49	Unknown	0	1	1	1	
80	WG2111366/368-4	RA50	Unknown	0	1	1	1	
81	CCV NO3	RS1	QC	94	1	1	1	
82	CCV NO2	RS2	QC	95	1	1	1	
83	CCB	RS10	QC	96	1	1	1	
84	WG2111363-3	RA51	Unknown	0	1	1	1	
85	WG2111363-4	RA52	Unknown	0	1	1	1	
86	L2555671-01C	RA53	Unknown	0	1	1	1	
87	WG2111369-3	RA54	Unknown	0	1	1	1	
88	WG2111369-4	RA55	Unknown	0	1	1	1	
89	L2555671-02C	RA56	Unknown	0	1	1	1	
90	L2555671-03C	RA57	Unknown	0	1	1	1	
91	L2555671-04C	RA58	Unknown	0	1	1	1	
92	L2555260-01C	RA59	Unknown	0	1	1	1	
93	L2555260-03C	RA60	Unknown	0	1	1	1	
94	CCV NO3	RS1	QC	94	1	1	1	
95	CCV NO2	RS2	QC	95	1	1	1	
96	CCB	RS10	QC	96	1	1	1	
97	L2555260-05C	RA61	Unknown	0	1	1	1	
98	WG2111367-5	RA62	Unknown	0	1	1	1	
99	WG2111367-6	RA63	Unknown	0	1	1	1	
100	L2554370-01L	RA64	Unknown	0	1	1	1	
101	L2554370-02L	RA65	Unknown	0	1	1	1	
102	L2554370-03L	RA66	Unknown	0	1	1	1	
103	L2554370-04L	RA67	Unknown	0	1	1	1	
104	L2554370-05L	RA68	Unknown	0	1	1	1	
105	L2554370-06L	RA69	Unknown	0	1	1	1	
106	L2554370-07L	RA70	Unknown	0	1	1	1	
107	CCV NO3	RS1	QC	94	1	1	1	
108	CCV NO2	RS2	QC	95	1	1	1	
109	CCB	RS10	QC	96	1	1	1	
110	L2554370-08L	RA71	Unknown	0	1	1	1	
111	L2554370-09L	RA72	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
112	L2554370-10L	RA73	Unknown	0	1	1	1	
113	L2554370-11L	RA74	Unknown	0	1	1	1	
114	L2554370-12L	RA75	Unknown	0	1	1	1	
115	L2554785-01A	RA76	Unknown	0	1	1	1	
116	L2554788-02C	RA77	Unknown	0	1	1	1	
117	L2555529-01K	RA78	Unknown	0	1	1	1	
118	L2555569-01E	RA79	Unknown	0	1	1	1	
119	L2555092-01A	RA80	Unknown	0	1	1	1	
120	CCV NO3	RS1	QC	94	1	1	1	
121	CCV NO2	RS2	QC	95	1	1	1	
122	CCB	RS10	QC	96	1	1	1	
123	L2555902-02H	RA81	Unknown	0	1	1	1	
124	L2555951-01D	RA82	Unknown	0	1	1	1	
125	L2555605-03N	RA29	Unknown	0	1	1	1	
126	CCV NO3	RS1	QC	94	1	1	1	
127	CCV NO2	RS2	QC	95	1	1	1	
128	CCB	RS10	QC	96	1	1	1	
129	Unknown1	RA1	Unknown	0	1	1	1	
130	_spacer_	SP0	Unknown	0	1	1	1	
131	_spacer_	RD2	Unknown	0	1	1	1	
132	WG2111362-4	RD3	Unknown	0	1	10	1	
133	WG2111365/367-4	RD4	Unknown	0	1	5	1	
134	CCV NO3	RS1	QC	94	1	1	1	
135	CCV NO2	RS2	QC	95	1	1	1	
136	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIALab\FIALab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:46

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	WG2111365/367-4	RD4	Unknown	0	1	5	1	
6	WG2111400-1	RA83	Unknown	0	1	1	1	
7	WG2111400-2	RA84	Unknown	0	1	1	1	
8	WG2111401-1	RA85	Unknown	0	1	1	1	
9	WG2111401-2	RA86	Unknown	0	1	1	1	
10	L2554780-02A	RA87	Unknown	0	1	1	1	
11	WG2111400-3	RA88	Unknown	0	1	1	1	
12	WG2111400-4	RA89	Unknown	0	1	1	1	
13	L2554800-01A	RA90	Unknown	0	1	1	1	
14	L2554949-01A	RB1	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2554949-02A	RB2	Unknown	0	1	1	1	
19	L2555006-01A	RB3	Unknown	0	1	1	1	
20	L2555051-02A	RB4	Unknown	0	1	1	1	
21	L2555051-04A	RB5	Unknown	0	1	1	1	
22	L2555051-07A	RB6	Unknown	0	1	1	1	
23	L2555094-01A	RB7	Unknown	0	1	1	1	
24	WG2111400-5	RB8	Unknown	0	1	1	1	
25	WG2111400-6	RB9	Unknown	0	1	1	1	
26	L2555094-02B	RB10	Unknown	0	1	1	1	
27	L2555509-02B	RB11	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2555509-03B	RB12	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	CCV NO3	RS1	QC	94	1	1	1	
33	CCV NO2	RS2	QC	95	1	1	1	
34	CCB	RS10	QC	96	1	1	1	
35	_spacer_	SP0	Unknown	0	1	1	1	
36	_spacer_	SP0	Unknown	0	1	1	1	
37	WG2111400-4	RD5	Unknown	0	1	10	1	
38	L2554800-01A	RD6	Unknown	0	1	10	1	
39	L2555094-02B	RD7	Unknown	0	1	10	1	
40	L2554949-01A	RB1	Unknown	0	1	1	1	
41	L2555509-02B	RB11	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:37:07

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	NOx 8.0ppm	RD76	Standard	1	1	1	1	
3	NOx 4.0ppm	RD77	Standard	2	1	1	1	
4	NOx 1.0ppm	RS1	Standard	3	1	1	1	
5	NOx 0.4ppm	RD78	Standard	4	1	1	1	
6	NOx 0.2ppm	RD79	Standard	5	1	1	1	
7	NOx 0.1ppm	RD80	Standard	6	1	1	1	
8	NOx 0.0ppm	RS10	Standard	7	1	1	1	
9	Nitrite 8.0ppm	RD81	Standard	8	1	1	1	
10	Nitrite 4.0ppm	RD82	Standard	9	1	1	1	
11	Nitrite 1.0ppm	RS2	Standard	10	1	1	1	
12	Nitrite 0.4ppm	RD83	Standard	11	1	1	1	
13	Nitrite 0.1ppm	RD84	Standard	13	1	1	1	
14	Nitrite 0.05ppm	RD85	Standard	14	1	1	1	
15	Nitrite 0.0ppm	RS10	Standard	15	1	1	1	
16	CCV NO3	RS1	QC	94	1	1	1	
17	CCV NO2	RS2	QC	95	1	1	1	
18	CCB	RS10	QC	96	1	1	1	
19	ICV NO3 5.0	RA1	QC	90	1	1	1	
20	ICV NO2 5.0	RA2	QC	92	1	1	1	
21	ICV NO3 0.5	RA3	QC	91	1	1	1	
22	ICV NO2 0.5	RA4	QC	93	1	1	1	
23	ICB	RA5	QC	96	1	1	1	
24	Diluter CHK 8PPM	RD1	Unknown	0	1	5	1	
25	BLANK NO3	RA7	Unknown	0	1	1	1	
26	LCS NO3	RA8	Unknown	0	1	1	1	
27	BLANK NO2	RA9	Unknown	0	1	1	1	
28	LCS NO2	RA10	Unknown	0	1	1	1	
29	CCV NO3	RS1	QC	94	1	1	1	
30	CCV NO2	RS2	QC	95	1	1	1	
31	CCB	RS10	QC	96	1	1	1	
32	WG2111361-1	RA11	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
33	WG2111361-2	RA12	Unknown	0	1	1	1	
34	WG2111362/363-1	RA13	Unknown	0	1	1	1	
35	WG2111362/363-2	RA14	Unknown	0	1	1	1	
36	WG2111364-1	RA15	Unknown	0	1	1	1	
37	WG2111364-2	RA16	Unknown	0	1	1	1	
38	WG2111365/363/368-1	RA17	Unknown	0	1	1	1	
39	WG2111365/365/368-2	RA18	Unknown	0	1	1	1	
40	WG2111367-1	RA19	Unknown	0	1	1	1	
41	WG2111367-2	RA20	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	
45	WG2111369-1	RA21	Unknown	0	1	1	1	
46	WG2111369-2	RA22	Unknown	0	1	1	1	
47	L2555605-01N	RA23	Unknown	0	1	1	1	
48	L2555605-02N	RA24	Unknown	0	1	1	1	
49	WG2111365/367-3	RA25	Unknown	0	1	1	1	
50	WG2111365/367-4	RA26	Unknown	0	1	1	1	
51	WG2111362-3	RA27	Unknown	0	1	1	1	
52	WG2111362-4	RA28	Unknown	0	1	1	1	
53	L2zzP605-03N	RA29	Unknown	0	1	1	1	
54	L2555605-04N	RA30	Unknown	0	1	1	1	
55	CCV NO3	RS1	QC	94	1	1	1	
56	CCV NO2	RS2	QC	95	1	1	1	
57	CCB	RS10	QC	96	1	1	1	
58	L2555605-05N	RA31	Unknown	0	1	1	1	
59	L2555605-06N	RA32	Unknown	0	1	1	1	
60	L2555605-07N	RA33	Unknown	0	1	1	1	
61	L2555605-08N	RA34	Unknown	0	1	1	1	
62	L2555382-01A	RA35	Unknown	0	1	1	1	
63	L2555382-02A	RA36	Unknown	0	1	1	1	
64	L2555382-03A	RA37	Unknown	0	1	1	1	
65	L2555382-04A	RA38	Unknown	0	1	1	1	
66	L2555459-01S	RA39	Unknown	0	1	1	1	
67	L2555956-01F	RA40	Unknown	0	1	1	1	
68	CCV NO3	RS1	QC	94	1	1	1	
69	CCV NO2	RS2	QC	95	1	1	1	
70	CCB	RS10	QC	96	1	1	1	
71	WG2111364-3	RA41	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
72	WG2111364-4	RA42	Unknown	0	1	1	1	
73	WG2111361-3	RA43	Unknown	0	1	1	1	
74	WG2111361-4	RA44	Unknown	0	1	1	1	
75	L2555956-02F	RA45	Unknown	0	1	1	1	
76	L2555956-03F	RA46	Unknown	0	1	1	1	
77	L2555956-04F	RA47	Unknown	0	1	1	1	
78	L2555622-01A	RA48	Unknown	0	1	1	1	
79	WG2111366/368-3	RA49	Unknown	0	1	1	1	
80	WG2111366/368-4	RA50	Unknown	0	1	1	1	
81	CCV NO3	RS1	QC	94	1	1	1	
82	CCV NO2	RS2	QC	95	1	1	1	
83	CCB	RS10	QC	96	1	1	1	
84	WG2111363-3	RA51	Unknown	0	1	1	1	
85	WG2111363-4	RA52	Unknown	0	1	1	1	
86	L2555671-01C	RA53	Unknown	0	1	1	1	
87	WG2111369-3	RA54	Unknown	0	1	1	1	
88	WG2111369-4	RA55	Unknown	0	1	1	1	
89	L2555671-02C	RA56	Unknown	0	1	1	1	
90	L2555671-03C	RA57	Unknown	0	1	1	1	
91	L2555671-04C	RA58	Unknown	0	1	1	1	
92	L2555260-01C	RA59	Unknown	0	1	1	1	
93	L2555260-03C	RA60	Unknown	0	1	1	1	
94	CCV NO3	RS1	QC	94	1	1	1	
95	CCV NO2	RS2	QC	95	1	1	1	
96	CCB	RS10	QC	96	1	1	1	
97	L2555260-05C	RA61	Unknown	0	1	1	1	
98	WG2111367-5	RA62	Unknown	0	1	1	1	
99	WG2111367-6	RA63	Unknown	0	1	1	1	
100	L2554370-01L	RA64	Unknown	0	1	1	1	
101	L2554370-02L	RA65	Unknown	0	1	1	1	
102	L2554370-03L	RA66	Unknown	0	1	1	1	
103	L2554370-04L	RA67	Unknown	0	1	1	1	
104	L2554370-05L	RA68	Unknown	0	1	1	1	
105	L2554370-06L	RA69	Unknown	0	1	1	1	
106	L2554370-07L	RA70	Unknown	0	1	1	1	
107	CCV NO3	RS1	QC	94	1	1	1	
108	CCV NO2	RS2	QC	95	1	1	1	
109	CCB	RS10	QC	96	1	1	1	
110	L2554370-08L	RA71	Unknown	0	1	1	1	
111	L2554370-09L	RA72	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
112	L2554370-10L	RA73	Unknown	0	1	1	1	
113	L2554370-11L	RA74	Unknown	0	1	1	1	
114	L2554370-12L	RA75	Unknown	0	1	1	1	
115	L2554785-01A	RA76	Unknown	0	1	1	1	
116	L2554788-02C	RA77	Unknown	0	1	1	1	
117	L2555529-01K	RA78	Unknown	0	1	1	1	
118	L2555569-01E	RA79	Unknown	0	1	1	1	
119	L2555092-01A	RA80	Unknown	0	1	1	1	
120	CCV NO3	RS1	QC	94	1	1	1	
121	CCV NO2	RS2	QC	95	1	1	1	
122	CCB	RS10	QC	96	1	1	1	
123	L2555902-02H	RA81	Unknown	0	1	1	1	
124	L2555951-01D	RA82	Unknown	0	1	1	1	
125	L2555605-03N	RA29	Unknown	0	1	1	1	
126	CCV NO3	RS1	QC	94	1	1	1	
127	CCV NO2	RS2	QC	95	1	1	1	
128	CCB	RS10	QC	96	1	1	1	
129	Unknown1	RA1	Unknown	0	1	1	1	
130	_spacer_	SP0	Unknown	0	1	1	1	
131	_spacer_	RD2	Unknown	0	1	1	1	
132	WG2111362-4	RD3	Unknown	0	1	10	1	
133	WG2111365/367-4	RD4	Unknown	0	1	5	1	
134	CCV NO3	RS1	QC	94	1	1	1	
135	CCV NO2	RS2	QC	95	1	1	1	
136	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIALab\FIALab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:46

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	WG2111365/367-4	RD4	Unknown	0	1	5	1	
6	WG2111400-1	RA83	Unknown	0	1	1	1	
7	WG2111400-2	RA84	Unknown	0	1	1	1	
8	WG2111401-1	RA85	Unknown	0	1	1	1	
9	WG2111401-2	RA86	Unknown	0	1	1	1	
10	L2554780-02A	RA87	Unknown	0	1	1	1	
11	WG2111400-3	RA88	Unknown	0	1	1	1	
12	WG2111400-4	RA89	Unknown	0	1	1	1	
13	L2554800-01A	RA90	Unknown	0	1	1	1	
14	L2554949-01A	RB1	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2554949-02A	RB2	Unknown	0	1	1	1	
19	L2555006-01A	RB3	Unknown	0	1	1	1	
20	L2555051-02A	RB4	Unknown	0	1	1	1	
21	L2555051-04A	RB5	Unknown	0	1	1	1	
22	L2555051-07A	RB6	Unknown	0	1	1	1	
23	L2555094-01A	RB7	Unknown	0	1	1	1	
24	WG2111400-5	RB8	Unknown	0	1	1	1	
25	WG2111400-6	RB9	Unknown	0	1	1	1	
26	L2555094-02B	RB10	Unknown	0	1	1	1	
27	L2555509-02B	RB11	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2555509-03B	RB12	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	CCV NO3	RS1	QC	94	1	1	1	
33	CCV NO2	RS2	QC	95	1	1	1	
34	CCB	RS10	QC	96	1	1	1	
35	_spacer_	SP0	Unknown	0	1	1	1	
36	_spacer_	SP0	Unknown	0	1	1	1	
37	WG2111400-4	RD5	Unknown	0	1	10	1	
38	L2554800-01A	RD6	Unknown	0	1	10	1	
39	L2555094-02B	RD7	Unknown	0	1	10	1	
40	L2554949-01A	RB1	Unknown	0	1	1	1	
41	L2555509-02B	RB11	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:37:07

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	NOx 8.0ppm	RD76	Standard	1	1	1	1	
3	NOx 4.0ppm	RD77	Standard	2	1	1	1	
4	NOx 1.0ppm	RS1	Standard	3	1	1	1	
5	NOx 0.4ppm	RD78	Standard	4	1	1	1	
6	NOx 0.2ppm	RD79	Standard	5	1	1	1	
7	NOx 0.1ppm	RD80	Standard	6	1	1	1	
8	NOx 0.0ppm	RS10	Standard	7	1	1	1	
9	Nitrite 8.0ppm	RD81	Standard	8	1	1	1	
10	Nitrite 4.0ppm	RD82	Standard	9	1	1	1	
11	Nitrite 1.0ppm	RS2	Standard	10	1	1	1	
12	Nitrite 0.4ppm	RD83	Standard	11	1	1	1	
13	Nitrite 0.1ppm	RD84	Standard	13	1	1	1	
14	Nitrite 0.05ppm	RD85	Standard	14	1	1	1	
15	Nitrite 0.0ppm	RS10	Standard	15	1	1	1	
16	CCV NO3	RS1	QC	94	1	1	1	
17	CCV NO2	RS2	QC	95	1	1	1	
18	CCB	RS10	QC	96	1	1	1	
19	ICV NO3 5.0	RA1	QC	90	1	1	1	
20	ICV NO2 5.0	RA2	QC	92	1	1	1	
21	ICV NO3 0.5	RA3	QC	91	1	1	1	
22	ICV NO2 0.5	RA4	QC	93	1	1	1	
23	ICB	RA5	QC	96	1	1	1	
24	Diluter CHK 8PPM	RD1	Unknown	0	1	5	1	
25	BLANK NO3	RA7	Unknown	0	1	1	1	
26	LCS NO3	RA8	Unknown	0	1	1	1	
27	BLANK NO2	RA9	Unknown	0	1	1	1	
28	LCS NO2	RA10	Unknown	0	1	1	1	
29	CCV NO3	RS1	QC	94	1	1	1	
30	CCV NO2	RS2	QC	95	1	1	1	
31	CCB	RS10	QC	96	1	1	1	
32	WG2111361-1	RA11	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
33	WG2111361-2	RA12	Unknown	0	1	1	1	
34	WG2111362/363-1	RA13	Unknown	0	1	1	1	
35	WG2111362/363-2	RA14	Unknown	0	1	1	1	
36	WG2111364-1	RA15	Unknown	0	1	1	1	
37	WG2111364-2	RA16	Unknown	0	1	1	1	
38	WG2111365/363/368-1	RA17	Unknown	0	1	1	1	
39	WG2111365/365/368-2	RA18	Unknown	0	1	1	1	
40	WG2111367-1	RA19	Unknown	0	1	1	1	
41	WG2111367-2	RA20	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	
45	WG2111369-1	RA21	Unknown	0	1	1	1	
46	WG2111369-2	RA22	Unknown	0	1	1	1	
47	L2555605-01N	RA23	Unknown	0	1	1	1	
48	L2555605-02N	RA24	Unknown	0	1	1	1	
49	WG2111365/367-3	RA25	Unknown	0	1	1	1	
50	WG2111365/367-4	RA26	Unknown	0	1	1	1	
51	WG2111362-3	RA27	Unknown	0	1	1	1	
52	WG2111362-4	RA28	Unknown	0	1	1	1	
53	L2zzP605-03N	RA29	Unknown	0	1	1	1	
54	L2555605-04N	RA30	Unknown	0	1	1	1	
55	CCV NO3	RS1	QC	94	1	1	1	
56	CCV NO2	RS2	QC	95	1	1	1	
57	CCB	RS10	QC	96	1	1	1	
58	L2555605-05N	RA31	Unknown	0	1	1	1	
59	L2555605-06N	RA32	Unknown	0	1	1	1	
60	L2555605-07N	RA33	Unknown	0	1	1	1	
61	L2555605-08N	RA34	Unknown	0	1	1	1	
62	L2555382-01A	RA35	Unknown	0	1	1	1	
63	L2555382-02A	RA36	Unknown	0	1	1	1	
64	L2555382-03A	RA37	Unknown	0	1	1	1	
65	L2555382-04A	RA38	Unknown	0	1	1	1	
66	L2555459-01S	RA39	Unknown	0	1	1	1	
67	L2555956-01F	RA40	Unknown	0	1	1	1	
68	CCV NO3	RS1	QC	94	1	1	1	
69	CCV NO2	RS2	QC	95	1	1	1	
70	CCB	RS10	QC	96	1	1	1	
71	WG2111364-3	RA41	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
72	WG2111364-4	RA42	Unknown	0	1	1	1	
73	WG2111361-3	RA43	Unknown	0	1	1	1	
74	WG2111361-4	RA44	Unknown	0	1	1	1	
75	L2555956-02F	RA45	Unknown	0	1	1	1	
76	L2555956-03F	RA46	Unknown	0	1	1	1	
77	L2555956-04F	RA47	Unknown	0	1	1	1	
78	L2555622-01A	RA48	Unknown	0	1	1	1	
79	WG2111366/368-3	RA49	Unknown	0	1	1	1	
80	WG2111366/368-4	RA50	Unknown	0	1	1	1	
81	CCV NO3	RS1	QC	94	1	1	1	
82	CCV NO2	RS2	QC	95	1	1	1	
83	CCB	RS10	QC	96	1	1	1	
84	WG2111363-3	RA51	Unknown	0	1	1	1	
85	WG2111363-4	RA52	Unknown	0	1	1	1	
86	L2555671-01C	RA53	Unknown	0	1	1	1	
87	WG2111369-3	RA54	Unknown	0	1	1	1	
88	WG2111369-4	RA55	Unknown	0	1	1	1	
89	L2555671-02C	RA56	Unknown	0	1	1	1	
90	L2555671-03C	RA57	Unknown	0	1	1	1	
91	L2555671-04C	RA58	Unknown	0	1	1	1	
92	L2555260-01C	RA59	Unknown	0	1	1	1	
93	L2555260-03C	RA60	Unknown	0	1	1	1	
94	CCV NO3	RS1	QC	94	1	1	1	
95	CCV NO2	RS2	QC	95	1	1	1	
96	CCB	RS10	QC	96	1	1	1	
97	L2555260-05C	RA61	Unknown	0	1	1	1	
98	WG2111367-5	RA62	Unknown	0	1	1	1	
99	WG2111367-6	RA63	Unknown	0	1	1	1	
100	L2554370-01L	RA64	Unknown	0	1	1	1	
101	L2554370-02L	RA65	Unknown	0	1	1	1	
102	L2554370-03L	RA66	Unknown	0	1	1	1	
103	L2554370-04L	RA67	Unknown	0	1	1	1	
104	L2554370-05L	RA68	Unknown	0	1	1	1	
105	L2554370-06L	RA69	Unknown	0	1	1	1	
106	L2554370-07L	RA70	Unknown	0	1	1	1	
107	CCV NO3	RS1	QC	94	1	1	1	
108	CCV NO2	RS2	QC	95	1	1	1	
109	CCB	RS10	QC	96	1	1	1	
110	L2554370-08L	RA71	Unknown	0	1	1	1	
111	L2554370-09L	RA72	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
112	L2554370-10L	RA73	Unknown	0	1	1	1	
113	L2554370-11L	RA74	Unknown	0	1	1	1	
114	L2554370-12L	RA75	Unknown	0	1	1	1	
115	L2554785-01A	RA76	Unknown	0	1	1	1	
116	L2554788-02C	RA77	Unknown	0	1	1	1	
117	L2555529-01K	RA78	Unknown	0	1	1	1	
118	L2555569-01E	RA79	Unknown	0	1	1	1	
119	L2555092-01A	RA80	Unknown	0	1	1	1	
120	CCV NO3	RS1	QC	94	1	1	1	
121	CCV NO2	RS2	QC	95	1	1	1	
122	CCB	RS10	QC	96	1	1	1	
123	L2555902-02H	RA81	Unknown	0	1	1	1	
124	L2555951-01D	RA82	Unknown	0	1	1	1	
125	L2555605-03N	RA29	Unknown	0	1	1	1	
126	CCV NO3	RS1	QC	94	1	1	1	
127	CCV NO2	RS2	QC	95	1	1	1	
128	CCB	RS10	QC	96	1	1	1	
129	Unknown1	RA1	Unknown	0	1	1	1	
130	_spacer_	SP0	Unknown	0	1	1	1	
131	_spacer_	RD2	Unknown	0	1	1	1	
132	WG2111362-4	RD3	Unknown	0	1	10	1	
133	WG2111365/367-4	RD4	Unknown	0	1	5	1	
134	CCV NO3	RS1	QC	94	1	1	1	
135	CCV NO2	RS2	QC	95	1	1	1	
136	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIALab\FIALab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:46

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
---------	--

Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	WG2111365/367-4	RD4	Unknown	0	1	5	1	
6	WG2111400-1	RA83	Unknown	0	1	1	1	
7	WG2111400-2	RA84	Unknown	0	1	1	1	
8	WG2111401-1	RA85	Unknown	0	1	1	1	
9	WG2111401-2	RA86	Unknown	0	1	1	1	
10	L2554780-02A	RA87	Unknown	0	1	1	1	
11	WG2111400-3	RA88	Unknown	0	1	1	1	
12	WG2111400-4	RA89	Unknown	0	1	1	1	
13	L2554800-01A	RA90	Unknown	0	1	1	1	
14	L2554949-01A	RB1	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2554949-02A	RB2	Unknown	0	1	1	1	
19	L2555006-01A	RB3	Unknown	0	1	1	1	
20	L2555051-02A	RB4	Unknown	0	1	1	1	
21	L2555051-04A	RB5	Unknown	0	1	1	1	
22	L2555051-07A	RB6	Unknown	0	1	1	1	
23	L2555094-01A	RB7	Unknown	0	1	1	1	
24	WG2111400-5	RB8	Unknown	0	1	1	1	
25	WG2111400-6	RB9	Unknown	0	1	1	1	
26	L2555094-02B	RB10	Unknown	0	1	1	1	
27	L2555509-02B	RB11	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2555509-03B	RB12	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	CCV NO3	RS1	QC	94	1	1	1	
33	CCV NO2	RS2	QC	95	1	1	1	
34	CCB	RS10	QC	96	1	1	1	
35	_spacer_	SP0	Unknown	0	1	1	1	
36	_spacer_	SP0	Unknown	0	1	1	1	
37	WG2111400-4	RD5	Unknown	0	1	10	1	
38	L2554800-01A	RD6	Unknown	0	1	10	1	
39	L2555094-02B	RD7	Unknown	0	1	10	1	
40	L2554949-01A	RB1	Unknown	0	1	1	1	
41	L2555509-02B	RB11	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Total Dissolved Solids Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 02:17
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2111797.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	91.	13	4.0	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 02:17
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2111797.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	140	13	4.0	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 02:17
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2111797.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	140	13	4.0	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 02:17
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2111797.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	130	13	4.0	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 02:17
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2111797.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	130	13	4.0	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 02:17
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2111797.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	130	13	4.0	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 02:17
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2111797.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	180	13	4.0	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 02:17
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2111797.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	99.	13	4.0	

Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111797-1
Client ID : WG2111797-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2111797.pdf
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/08/25 02:17
Dilution Factor : 1
Analyst : DEW
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	ND	10	3.1	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111797-3
Client ID : MW-8SDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2111797.pdf
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 09:38
Date Received : 09/04/25
Date Analyzed : 09/08/25 02:17
Dilution Factor : 1.3
Analyst : DEW
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	71.	13	4.0	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111797-4
Client ID : MW-8DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2111797.pdf
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/08/25 02:17
Dilution Factor : 1.3
Analyst : DEW
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	120	13	4.0	



Sample Raw Data

Page 3093 of 3621

WorkGroup	WG2111797	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180
Title	Solids, Total Dissolved	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180
Method	SM2540C	Time In	09-SEP-25 12:01	Time In	10-SEP-25 00:56	Time In	10-SEP-25 03:21	Time In	10-SEP-25 04:39	Time In	10-SEP-25 04:39
Instrument	BALANCE#22	Time Out	09-SEP-25 23:50	Time Out	10-SEP-25 03:08	Time Out	10-SEP-25 04:39	Time Out	10-SEP-25 04:39	Time Out	10-SEP-25 04:39
Sample #	Analysis Date	Analyst	Cup ID	Temp In (C)	Temp In	Temp In (C)	Temp In	Temp In (C)	Temp In	Temp In (C)	Temp In
WG2111797-3	08-SEP-25 02:17	DEB WHELAN	Z11	84417960	68.6728	80	68.6785	68.6799	68.6802	71.25	1.3
WG2111797-4	08-SEP-25 02:17	DEB WHELAN	V1	84417960	70.7139	80	70.7235	70.7237		120.00	1.3
			3								

Quality Control

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8S	Matrix	: WATER
Lab Sample ID	: L2555605-01	Analysis Date	: 09/08/25 02:17
Dup Sample ID	: WG2111797-3	DUP Analysis Date	: 09/08/25 02:17

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	91.	71.	25 Q	10

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/08/25 02:17
Dup Sample ID	: WG2111797-4	DUP Analysis Date	: 09/08/25 02:17

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	140	120	15 Q	10

Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111797-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/08/25 02:17
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Solids, Total Dissolved	500.	490.	98.					80-120	10



Calculations of TDS

$$\text{mgTDS/L} = \frac{(A - B) \times 1000}{\text{Sample volume, (L)}}$$

Where:

A = Final weight (weight of dish + dried residue, g)

B = Initial weight (weight of clean dish, g)

Sulfate Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112033.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	21.	10	1.4	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112474.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	16.	10	1.4	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112033.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	16.	10	1.4	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112033.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	12.	10	1.4	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112033.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	19.	10	1.4	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112033.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	10.	10	1.4	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112033.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	5.7	10	1.4	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112033.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	18.	10	1.4	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112033-1
Client ID : WG2112033-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2112033.csv
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/08/25 14:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	2.0	10	1.4	J



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112033-3
Client ID : WG2112033-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2112033.csv
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/03/25 09:20
Date Received : 09/03/25
Date Analyzed : 09/08/25 14:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	15.	10	1.4	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112474-1
Client ID : WG2112474-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2112474.csv
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/09/25 14:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	2.2	10	1.4	J



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112474-3
Client ID : MW-8DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2112474.csv
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/09/25 14:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	16.	10	1.4	



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3646
LCS;WC-3587
Reagent;lot A4230

Sample Number: _____ Product: SO4-4500
Curve Calibration Date : 09/08/25
Client: _____ Curve Identifier: 9/8/2025
Analysis: Sulfate, SO4 Analysis Analyte: Sulfate
Method: SM 4500SO4-E Analysis Date: 9/8/2025 14:30
Instrument: SPEC6 Preparation Date: 9/8/2025 14:30
Wavelength: 420 nm Technician: MRW
Spike Volume(ml): 0.5 Work group: WG2112033
Spike Concentration (mg/l): 1000 RL: 10 mg/l
Cell: 2.5 cm

Standard ID	Mean signal (pk area) abs	Dilution	Calc-ed Result	Calibration Curve Volume: 25 ml
0	0.000	1.0	1.84	Slope y-intercept
10	0.134	1.0	8.37	0.020517 -0.0378
20	0.347	1.0	18.8	
40	0.804	1.0	41.0	Correlation Coefficient 0.995094

ICV/LCS Concentration (mg/l) = 20.0000

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0	0.000	1.996	1	1.0	2.0	Recovery
	ICV	25	25	0	0.358	0.358	19.274	1	1.0	19.3	
SAMP	L2554996-02	25	25	0.071	0.584	0.513	26.754	1	1.0	26.8	
SAMP	L2554996-03	25	25	0.049	0.58	0.531	27.623	1	1.0	27.6	
SAMP	L2554996-04	25	25	0.003	0.002	-0.001	1.947	1	1.0	1.9	
SAMP	L2555281-01	25	25	0.002	0.238	0.236	13.386	1	1.0	13.4	
SAMP	L2555281-02	25	25	0.001	0.236	0.235	13.337	1	1.0	13.3	
SAMP	L2555281-03	25	25	0.004	0.744	0.740	37.710	1	1.0	37.7	
SAMP	L2555281-04	25	25	0.001	0.133	0.132	8.366	1	1.0	8.4	
SAMP	L2555281-05	25	25	0.006	0.257	0.251	14.110	1	1.0	14.1	
	CCV1	25	25	0	0.365	0.365	19.611	1	1.0	19.6	
	CCB1	25	25	0	0.003	0.003	2.140	1	1.0	2.1	
SAMP	L2555281-06	12.5	25	0.004	0.206	0.202	11.745	1	2.0	23.5	
SAMP	L2555281-07	25	25	0	0.301	0.301	16.523	1	1.0	16.5	
SAMP	L2555281-08	25	25	0	0.003	0.003	2.140	1	1.0	2.1	
SAMP	L2555605-01	25	25	0.015	0.411	0.396	21.108	1	1.0	21.1	
SAMP	L2555605-03	25	25	0.03	0.312	0.282	15.606	1	1.0	15.6	
SAMP	L2555605-04	25	25	0.002	0.211	0.209	12.083	1	1.0	12.1	
SAMP	L2555605-05	25	25	0.006	0.353	0.347	18.743	1	1.0	18.7	
SAMP	L2555605-06	25	25	0.001	0.167	0.166	10.007	1	1.0	10.0	
SAMP	L2555605-07	25	25	0.002	0.079	0.077	5.712	1	1.0	5.7	
SAMP	L2555605-08	25	25	0.002	0.344	0.342	18.501	1	1.0	18.5	
	CCV2	25	25	0	0.367	0.367	19.708	1	1.0	19.7	
	CCB2	25	25	0	0.003	0.003	2.140	1	1.0	2.1	
BLANK	WG2112033-1	25	25	0.000	0.000	0.000	1.996	1	1.0	2.0	
DUP	WG2112033-3	25	25	0.011	0.278	0.267	14.882	1	1.0	14.9	L2555281-05
	sample	Final	Bkgd.	Gross		Sample	Spiked	Spike conc.	Spike	Recovery	
	Sample number	volume	volume (ml)	Abs.	Abs.	Absorbance	Result mg/l	Volume	mg/l	Result mg/l	%
MS	WG2112033-4	12.5	25	0.006	0.573	0.567	14.100	12.5	40.0000	59	112
											L2555281-05
LCS	WG2112033-2	25	25	0	0.358	0.358		1	20.0000	19	96

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3646
LCS;WC-3587
Reagent;lot A4230

Sample Number: _____ Product: SO4-4500
Curve Calibration Date : 09/09/25
Client: _____ Curve Identifier: 9/9/2025
Analysis: Sulfate, SO4 Analysis Analyte: Sulfate
Method: SM 4500SO4-E Analysis Date: 9/9/2025 14:30
Instrument: SPEC6 Preparation Date: 9/9/2025 14:30
Wavelength: 420 nm Technician: MRW
Spike Volume(ml): 0.5 Work group: WG2112474
Spike Concentration (mg/l): 1000 RL: 10 mg/l
Cell: 2.5 cm

Standard ID		Mean signal (pk area) abs	Dilution	Calc-ed Result	Calibration Curve Volume: 25 ml	
0		0.000	1.0	1.78	Slope	y-intercept
10		0.140	1.0	8.71	0.020200	-0.036
20		0.335	1.0	18.4	Correlation Coefficient 0.995010	
40		0.795	1.0	41.1		
ICV/LCS Concentration (mg/l) = 20.0000						

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0.005	0.005	2.184	1	1.0	2.2	Recovery
	ICV	25	25	0	0.377	0.377	20.416	1	1.0	20.4	102%
SAMP	L2554996-01	25	25	0.002	0.223	0.221	12.770	1	1.0	12.8	
	L2555127-01	5	25	0.049	0.731	0.682	35.365	1	5.0	176.8	FILTERED
SAMP	L2555196-01	25	25	0.028	0.114	0.086	6.154	1	1.0	6.2	
SAMP	L2555196-02	12.5	25	0.106	0.125	0.019	2.870	1	2.0	5.7	FILTERED
SAMP	L2555196-03	5	25	0.134	0.143	0.009	2.380	1	5.0	11.9	FILTERED
SAMP	L2555196-04	25	25	0.068	0.054	-0.014	1.252	1	1.0	1.3	
SAMP	L2555605-02	25	25	0.001	0.285	0.284	15.858	1	1.0	15.9	
SAMP	L2555938-01	10	25	0.001	0.187	0.186	11.055	1	2.5	27.6	
	CCV1	25	25	0	0.373	0.373	20.220	1	1.0	20.2	
	CCB1	25	25	0	0.002	0.002	2.037	1	1.0	2.0	
SAMP	L2555938-02	25	25	0.002	0.236	0.234	13.407	1	1.0	13.4	
SAMP	L2555938-03	25	25	0	0.048	0.048	4.291	1	1.0	4.3	
SAMP	L2555938-04	25	25	0.004	0.364	0.360	19.583	1	1.0	19.6	
SAMP	L2555938-05	25	25	0.006	0.21	0.204	11.937	1	1.0	11.9	
	CCV2	25	25	0	0.371	0.371	20.122	1	1.0	20.1	
	CCB2	25	25	0	0.003	0.003	2.086	1	1.0	2.1	
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
BLANK	WG2112474-1	25	25	0.000	0.005	0.005	2.184	1	1.0	2.2	
DUP	WG2112474-3	25	25	0	0.278	0.278	15.564	1	1.0	15.6	L2555605-02
	sample	Final	Bkgd.	Gross		Sample	Spiked	Spike conc.	Spike	Recovery	
	Sample number	volume	volume (ml)	Abs.	Abs.	Absorbance	Result mg/l	Volume	mg/l	Result mg/l	%
MS	WG2112474-4	12.5	25	0.001	0.574	0.573	15.900	12.5	40.0000	60	110
	L2555605-02										
LCS	WG2112474-2	25	25	0	0.377	0.377		1	20.0000	20	102

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555281-05
 Matrix Spike : WG2112033-4
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/08/25 14:30
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Sulfate	14.	40	59.	112					55-147	14

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2112474-4
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/09/25 14:30
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Sulfate	16.	40	60.	110					55-147	14

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/08/25 14:30
Dup Sample ID	: WG2112033-3	DUP Analysis Date	: 09/08/25 14:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	14	15.	7	14



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/09/25 14:30
Dup Sample ID	: WG2112474-3	DUP Analysis Date	: 09/09/25 14:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	16.	16.	0	14



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112033-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/08/25 14:30
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Sulfate	20.0	19.0	95.					90-110	14

Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112474-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/09/25 14:30
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Sulfate	20.0	20.0	100.					90-110	14

Calculations of Sulfate

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve.

$$\text{mgSO}_4/\text{L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

If sample has a background absorbance, it has to be subtracted before calculation.

Alkalinity Analysis

Results

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRW
Lab File ID	: alk250909-1	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	20.7	2.00	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRW
Lab File ID	: alk250909-1	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	20.7	2.00	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRW
Lab File ID	: alk250909-1	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	27.8	2.00	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRW
Lab File ID	: alk250909-1	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	100.	2.00	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRW
Lab File ID	: alk250909-1	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	26.3	2.00	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRW
Lab File ID	: alk250909-1	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	16.0	2.00	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRW
Lab File ID	: alk250909-1	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	32.3	2.00	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRW
Lab File ID	: alk250909-1	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	25.3	2.00	NA	



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112368-1
Client ID : WG2112368-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2320B
Lab File ID : alk250909-1
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/09/25 12:57
Dilution Factor : 1
Analyst : MRW
Instrument ID : TITR5
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	ND	2.00	NA	U



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2112368-2
 Client ID : WG2112368-2 DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2320B
 Lab File ID : alk250909-1
 Sample Amount :
 Digestion Method :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : 09/03/25 09:20
 Date Received : 09/03/25
 Date Analyzed : 09/09/25 13:30
 Dilution Factor : 1
 Analyst : MRW
 Instrument ID : TITR5
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
71-52-3	Alkalinity, Bicarbonate	30.4	2.00	NA	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112368-3
Client ID : MW-8DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2320B
Lab File ID : alk250909-1
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/09/25 13:42
Dilution Factor : 1
Analyst : MRW
Instrument ID : TITR5
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
71-52-3	Alkalinity, Bicarbonate	20.7	2.00	NA	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U

Sample Raw Data

Titration report



Method

Method ID	pH Cal. 7 4 10	Release state	Released
Name	Calibration	Modified by	SystemInternal
Modified on	10/3/2023 12:47:09 PM		

Summary

Samples

	Sample ID	Name	Result	State
1	METTLER TOLEDO (Ref. 25°C) pH	pH	7.00	
2	METTLER TOLEDO (Ref. 25°C) pH	pH	4.01	
3	METTLER TOLEDO (Ref. 25°C) pH	pH	10.00	

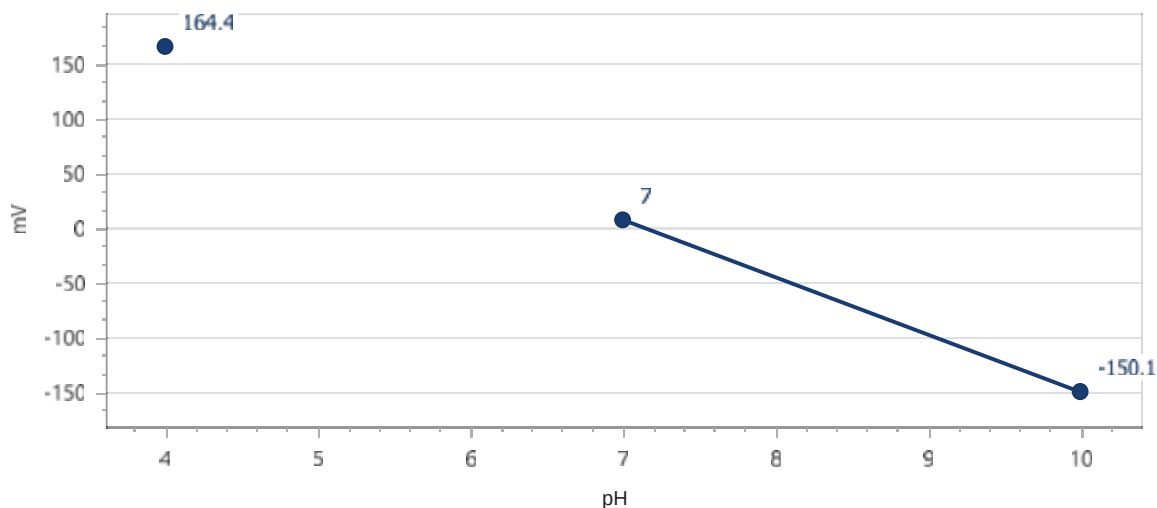
Results

Zero point 1 Cal1.Z1	7.139 pH
Slope 1 Cal1.S1	-52.50 mV/pH

Calibration

Sensor	Sensor DG111-SC
Creation time	9/9/2025 8:42:23 AM
Overall state	OK
Successful	Yes
Calib. temperature	25.0 °C
SLOPECal	-52.50 mV/pH
ZEROCal	7.139 pH

Calibration Curve



Used Instruments

Titration report



Name	T7 Excellence Titrator	Serial number	C329519495
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Responsible User

Time	Login name	Full name
9/9/2025 8:37:39 AM	SystemInternal	System internal account

Titration report



Method

Method ID	pH Measure	Release state	Released
Name	Measure	Modified by	SystemInternal
Modified on	2/23/2024 9:31:05 AM		

Summary

Samples

Sample ID	Name	Result	State
1 --	Sample size	0 mL	
	Potential R1	6.99 pH	OK

Used Instruments

Name	T7 Excellence Titrator	Serial number	C329519495
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Responsible User

Time	Login name	Full name
9/9/2025 8:37:45 AM	SystemInternal	System internal account

Titration report



Method

Method ID	Alk Total (2)	Release state	Released
Name	EP/EP	Modified by	SystemInternal
Modified on	3/26/2025 11:25:13 AM		

Summary

Samples

Sample ID	Name	Result	State
1 Rinse,MRW	Sample size	50 mL	
	Potential R4	7.21 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	1.173 mL	OK
	Consumption 4.2 R3	1.178 mL	OK
	Content R5	23.460 mg/L	OK
	ALK LOW R6	23.360 mg/L	OK
2 Rinse,MRW	Sample size	50 mL	
	Potential R4	5.91 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	0.137 mL	OK
	Consumption 4.2 R3	0.143 mL	OK
	Content R5	2.740 mg/L	OK
	ALK LOW R6	2.620 mg/L	OK
3 WG2112364-1	Sample size	50 mL	
	Potential R4	5.04 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	0.031 mL	OK
	Consumption 4.2 R3	0.040 mL	OK
	Content R5	0.620 mg/L	OK
	ALK LOW R6	0.440 mg/L	OK
4 WG2112364-2	Sample size	50 mL	
	Potential R4	10.65 pH	OK
	Consumption 8.3 R1	4.977 mL	OK
	Consumption 4.5 R2	5.383 mL	OK
	Consumption 4.2 R3	5.383 mL	OK
	Content R5	107.660 mg/L	OK
	ALK LOW R6	107.660 mg/L	OK
5 L2554996-01	Sample size	50 mL	
	Potential R4	5.53 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	7.385 mL	OK
	Consumption 4.2 R3	7.519 mL	OK
	Content R5	147.700 mg/L	OK
	ALK LOW R6	145.020 mg/L	OK
6 L2556108-03 2x	Sample size	50 mL	

Titration report



7	L2554052-25	Potential R4	7.83 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	6.71 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.395 mL	OK
8	L2554407-01	Consumption 4.2 R3	1.406 mL	OK
		Content R5	27.900 mg/L	OK
		ALK LOW R6	27.680 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.45 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.185 mL	OK
		Consumption 4.2 R3	1.368 mL	OK
		Content R5	23.700 mg/L	OK
		ALK LOW R6	20.040 mg/L	OK
9	WG2112364-3	Sample size	50 mL	
		Potential R4	5.44 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.157 mL	OK
		Consumption 4.2 R3	1.342 mL	OK
		Content R5	23.140 mg/L	OK
		ALK LOW R6	19.440 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.25 pH	OK
		Consumption 8.3 R1	4.393 mL	OK
10	WG2112364-4	Consumption 4.5 R2	6.604 mL	OK
		Consumption 4.2 R3	6.682 mL	OK
		Content R5	132.080 mg/L	OK
		ALK LOW R6	130.520 mg/L	OK
		Sample size	50 mL	
		Potential R4	12.14 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
11	L2554407-03	ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	11.28 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	11.28 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
12	L2554407-04	Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK

Titration report



13	L2554407-05	ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	11.48 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
14	L2554407-06	ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	11.09 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
15	L2554407-07	ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	11.44 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
16	L2556108-03 10x	ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	7.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	18.512 mL	OK
		Consumption 4.2 R3	20.630 mL	OK
		Content R5	370.240 mg/L	OK
17	CCV	ALK LOW R6	327.880 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.81 pH	OK
		Consumption 8.3 R1	5.014 mL	OK
		Consumption 4.5 R2	5.389 mL	OK
		Consumption 4.2 R3	5.391 mL	OK
		Content R5	107.780 mg/L	OK
18	CCB	ALK LOW R6	107.740 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.32 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.047 mL	OK
		Consumption 4.2 R3	0.050 mL	OK
		Content R5	0.940 mg/L	OK
19	L2554407-08	ALK LOW R6	0.880 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.87 pH	OK
		Consumption 8.3 R1	6.962 mL	OK
		Consumption 4.5 R2	10.549 mL	OK

Titration report



20	L2554407-09	Consumption 4.2 R3	10.586 mL	OK
		Content R5	210.980 mg/L	OK
		ALK LOW R6	210.240 mg/L	OK
		Sample size	50 mL	
		Potential R4	11.37 pH	OK
		Consumption 8.3 R1	15.445 mL	OK
		Consumption 4.5 R2	20.874 mL	OK
21	L2554407-11	Consumption 4.2 R3	21.009 mL	OK
		Content R5	417.480 mg/L	OK
		ALK LOW R6	414.780 mg/L	OK
		Sample size	50 mL	
		Potential R4	11.42 pH	OK
		Consumption 8.3 R1	11.503 mL	OK
		Consumption 4.5 R2	13.445 mL	OK
22	L2554408-01	Consumption 4.2 R3	14.461 mL	OK
		Content R5	268.900 mg/L	OK
		ALK LOW R6	248.580 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.68 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.575 mL	OK
23	L2554408-02	Consumption 4.2 R3	5.610 mL	OK
		Content R5	111.500 mg/L	OK
		ALK LOW R6	110.800 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.98 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	22.335 mL	OK
24	L2554408-03	Consumption 4.2 R3	22.620 mL	OK
		Content R5	446.700 mg/L	OK
		ALK LOW R6	441.000 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.57 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.647 mL	OK
25	L2555127-01	Consumption 4.2 R3	5.694 mL	OK
		Content R5	112.940 mg/L	OK
		ALK LOW R6	112.000 mg/L	OK
		Sample size	50 mL	
		Potential R4	7.46 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
26	L2555196-01	Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	6.83 pH	OK

Titration report



		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.341 mL	OK
		Consumption 4.2 R3	1.351 mL	OK
		Content R5	26.820 mg/L	OK
		ALK LOW R6	26.620 mg/L	OK
27	L2555196-02	Sample size	50 mL	
		Potential R4	5.57 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.017 mL	OK
		Consumption 4.2 R3	7.135 mL	OK
		Content R5	140.340 mg/L	OK
		ALK LOW R6	137.980 mg/L	OK
28	L2555196-03	Sample size	50 mL	
		Potential R4	5.54 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.008 mL	OK
		Consumption 4.2 R3	7.126 mL	OK
		Content R5	140.160 mg/L	OK
		ALK LOW R6	137.800 mg/L	OK
29	L2555196-04	Sample size	50 mL	
		Potential R4	5.57 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.849 mL	OK
		Consumption 4.2 R3	5.986 mL	OK
		Content R5	116.980 mg/L	OK
		ALK LOW R6	114.240 mg/L	OK
30	L2555215-01	Sample size	50 mL	
		Potential R4	5.33 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.586 mL	OK
		Consumption 4.2 R3	1.603 mL	OK
		Content R5	31.720 mg/L	OK
		ALK LOW R6	31.380 mg/L	OK
31	CCV	Sample size	50 mL	
		Potential R4	10.87 pH	OK
		Consumption 8.3 R1	5.039 mL	OK
		Consumption 4.5 R2	5.384 mL	OK
		Consumption 4.2 R3	5.384 mL	OK
		Content R5	107.680 mg/L	OK
		ALK LOW R6	107.680 mg/L	OK
32	WG2112368-1	Sample size	50 mL	
		Potential R4	5.19 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.038 mL	OK
		Consumption 4.2 R3	0.042 mL	OK
		Content R5	0.760 mg/L	OK
		ALK LOW R6	0.680 mg/L	OK

Titration report



33	L2554996-02	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.788 mL	OK
		Consumption 4.2 R3	1.827 mL	OK
		Content R5	35.760 mg/L	OK
		ALK LOW R6	34.980 mg/L	OK
34	L2554996-03	Sample size	50 mL	
		Potential R4	5.29 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.810 mL	OK
		Consumption 4.2 R3	1.845 mL	OK
		Content R5	36.200 mg/L	OK
		ALK LOW R6	35.500 mg/L	OK
35	L2554996-04	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.091 mL	OK
		Consumption 4.2 R3	0.108 mL	OK
		Content R5	1.820 mg/L	OK
		ALK LOW R6	1.480 mg/L	OK
36	L2555281-01	Sample size	50 mL	
		Potential R4	5.44 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.458 mL	OK
		Consumption 4.2 R3	3.496 mL	OK
		Content R5	69.160 mg/L	OK
		ALK LOW R6	68.400 mg/L	OK
37	L2555281-02	Sample size	50 mL	
		Potential R4	5.48 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.434 mL	OK
		Consumption 4.2 R3	3.466 mL	OK
		Content R5	68.680 mg/L	OK
		ALK LOW R6	68.040 mg/L	OK
38	L2555281-03	Sample size	50 mL	
		Potential R4	5.36 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.544 mL	OK
		Consumption 4.2 R3	2.586 mL	OK
		Content R5	50.880 mg/L	OK
		ALK LOW R6	50.040 mg/L	OK
39	L2555281-04	Sample size	50 mL	
		Potential R4	5.39 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.746 mL	OK
		Consumption 4.2 R3	2.767 mL	OK

Titration report



40	L2555281-05	Content R5	54.920 mg/L	OK
		ALK LOW R6	54.500 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.22 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.551 mL	OK
		Consumption 4.2 R3	1.579 mL	OK
41	WG2112368-2	Content R5	31.020 mg/L	OK
		ALK LOW R6	30.460 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.23 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.521 mL	OK
		Consumption 4.2 R3	1.552 mL	OK
42	L2555281-06	Content R5	30.420 mg/L	OK
		ALK LOW R6	29.800 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.66 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.241 mL	OK
		Consumption 4.2 R3	7.316 mL	OK
43	L2555281-07	Content R5	144.820 mg/L	OK
		ALK LOW R6	143.320 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.36 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.969 mL	OK
		Consumption 4.2 R3	1.996 mL	OK
44	L2555281-08	Content R5	39.380 mg/L	OK
		ALK LOW R6	38.840 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.22 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.092 mL	OK
		Consumption 4.2 R3	0.105 mL	OK
45	L2555605-01	Content R5	1.840 mg/L	OK
		ALK LOW R6	1.580 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.01 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.035 mL	OK
		Consumption 4.2 R3	1.114 mL	OK
46	L2555605-02	Content R5	20.700 mg/L	OK
		ALK LOW R6	19.120 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.17 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK

Titration report



47	WG2112368-3	Consumption 4.5 R2	1.036 mL	OK
		Consumption 4.2 R3	1.062 mL	OK
		Content R5	20.720 mg/L	OK
		ALK LOW R6	20.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.16 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.036 mL	OK
		Consumption 4.2 R3	1.059 mL	OK
		Content R5	20.720 mg/L	OK
48	L2555605-03	ALK LOW R6	20.260 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.25 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.388 mL	OK
		Consumption 4.2 R3	1.417 mL	OK
		Content R5	27.760 mg/L	OK
		ALK LOW R6	27.180 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.59 pH	OK
49	L2555605-04	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.004 mL	OK
		Consumption 4.2 R3	5.074 mL	OK
		Content R5	100.080 mg/L	OK
		ALK LOW R6	98.680 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.20 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.314 mL	OK
		Consumption 4.2 R3	1.346 mL	OK
50	L2555605-05	Content R5	26.280 mg/L	OK
		ALK LOW R6	25.640 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.07 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.838 mL	OK
		Consumption 4.2 R3	0.874 mL	OK
		Content R5	16.760 mg/L	OK
		ALK LOW R6	16.040 mg/L	OK
		Sample size	50 mL	
51	L2555605-06	Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.615 mL	OK
		Consumption 4.2 R3	1.648 mL	OK
		Content R5	32.300 mg/L	OK
		ALK LOW R6	31.640 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.615 mL	OK
52	L2555605-07	Consumption 4.2 R3	1.648 mL	OK
		Content R5	32.300 mg/L	OK
		ALK LOW R6	31.640 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.615 mL	OK
		Consumption 4.2 R3	1.648 mL	OK
		Content R5	32.300 mg/L	OK
		ALK LOW R6	31.640 mg/L	OK
53	L2555605-08	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.615 mL	OK
		Consumption 4.2 R3	1.648 mL	OK
		Content R5	32.300 mg/L	OK
		ALK LOW R6	31.640 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK

Titration report



54	CCV	Potential R4	5.26 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.266 mL	OK
		Consumption 4.2 R3	1.290 mL	OK
		Content R5	25.320 mg/L	OK
		ALK LOW R6	24.840 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.94 pH	OK
		Consumption 8.3 R1	5.088 mL	OK
		Consumption 4.5 R2	5.430 mL	OK
55	WG2112371-1	Consumption 4.2 R3	5.434 mL	OK
		Content R5	108.600 mg/L	OK
		ALK LOW R6	108.520 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.10 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.037 mL	OK
		Consumption 4.2 R3	0.043 mL	OK
		Content R5	0.740 mg/L	OK
		ALK LOW R6	0.620 mg/L	OK
56	L2555647-01	Sample size	50 mL	
		Potential R4	9.25 pH	OK
		Consumption 8.3 R1	2.926 mL	OK
		Consumption 4.5 R2	12.646 mL	OK
		Consumption 4.2 R3	12.705 mL	OK
		Content R5	252.920 mg/L	OK
		ALK LOW R6	251.740 mg/L	OK
		Sample size	50 mL	
		Potential R4	9.25 pH	OK
		Consumption 8.3 R1	2.947 mL	OK
57	WG2112371-2	Consumption 4.5 R2	12.704 mL	OK
		Consumption 4.2 R3	12.775 mL	OK
		Content R5	254.080 mg/L	OK
		ALK LOW R6	252.660 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.86 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.554 mL	OK
		Consumption 4.2 R3	2.568 mL	OK
		Content R5	51.080 mg/L	OK
58	L2555647-03	ALK LOW R6	50.800 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.67 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	9.465 mL	OK
		Consumption 4.2 R3	9.615 mL	OK
		Content R5	189.300 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.67 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
59	L2555647-05	Consumption 4.5 R2	9.465 mL	OK
		Consumption 4.2 R3	9.615 mL	OK
		Content R5	189.300 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.67 pH	OK

Titration report



60	L2555647-07	ALK LOW R6	186.300 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.49 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.935 mL	OK
		Consumption 4.2 R3	1.951 mL	OK
		Content R5	38.700 mg/L	OK
61	L2555647-09	ALK LOW R6	38.380 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.93 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.641 mL	OK
		Consumption 4.2 R3	1.647 mL	OK
		Content R5	32.820 mg/L	OK
62	L2555647-11	ALK LOW R6	32.700 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.89 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.314 mL	OK
		Consumption 4.2 R3	1.321 mL	OK
		Content R5	26.280 mg/L	OK
63	L2555647-13	ALK LOW R6	26.140 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.86 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	9.616 mL	OK
		Consumption 4.2 R3	9.674 mL	OK
		Content R5	192.320 mg/L	OK
64	L2555647-15	ALK LOW R6	191.160 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.399 mL	OK
		Consumption 4.2 R3	2.496 mL	OK
		Content R5	47.980 mg/L	OK
65	L2555647-17	ALK LOW R6	46.040 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.46 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.220 mL	OK
		Consumption 4.2 R3	3.301 mL	OK
		Content R5	64.400 mg/L	OK
66	L2555647-19	ALK LOW R6	62.780 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.52 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.525 mL	OK

Titration report



67	L2555647-21	Consumption 4.2 R3	3.559 mL	OK
		Content R5	70.500 mg/L	OK
		ALK LOW R6	69.820 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.19 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	14.706 mL	OK
		Consumption 4.2 R3	14.865 mL	OK
		Content R5	294.120 mg/L	OK
68	L2555647-23	ALK LOW R6	290.940 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.34 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.096 mL	OK
		Consumption 4.2 R3	0.110 mL	OK
		Content R5	1.920 mg/L	OK
		ALK LOW R6	1.640 mg/L	OK
		Sample size	50 mL	
69	L2554428-01	Potential R4	6.86 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	6.54 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
70	L2554428-02	Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	6.46 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
71	L2554428-03	Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	6.46 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
72	CCV	Sample size	50 mL	
		Potential R4	11.12 pH	OK
		Consumption 8.3 R1	5.156 mL	OK
		Consumption 4.5 R2	5.505 mL	OK
		Consumption 4.2 R3	5.505 mL	OK
		Content R5	110.100 mg/L	OK
		ALK LOW R6	110.100 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.22 pH	OK
73	CCB			

Titration report



74	CCV	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.053 mL	OK
		Consumption 4.2 R3	0.060 mL	OK
		Content R5	1.060 mg/L	OK
		ALK LOW R6	0.920 mg/L	OK
		Sample size	50 mL	
		Potential R4	11.10 pH	OK
		Consumption 8.3 R1	4.919 mL	OK
		Consumption 4.5 R2	5.219 mL	OK
		Consumption 4.2 R3	5.219 mL	OK
75	CCB	Content R5	104.380 mg/L	OK
		ALK LOW R6	104.380 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.19 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.044 mL	OK
		Consumption 4.2 R3	0.049 mL	OK
		Content R5	0.880 mg/L	OK
		ALK LOW R6	0.780 mg/L	OK
		Sample size	50 mL	
76	L2554407-03 10x	Potential R4	11.42 pH	OK
		Consumption 8.3 R1	6.946 mL	OK
		Consumption 4.5 R2	7.307 mL	OK
		Consumption 4.2 R3	7.312 mL	OK
		Content R5	146.140 mg/L	OK
		ALK LOW R6	146.040 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.93 pH	OK
		Consumption 8.3 R1	3.796 mL	OK
		Consumption 4.5 R2	4.159 mL	OK
77	L2554407-04 10x	Consumption 4.2 R3	4.165 mL	OK
		Content R5	83.180 mg/L	OK
		ALK LOW R6	83.060 mg/L	OK
		Sample size	50 mL	
		Potential R4	11.76 pH	OK
		Consumption 8.3 R1	14.806 mL	OK
		Consumption 4.5 R2	15.342 mL	OK
		Consumption 4.2 R3	15.357 mL	OK
		Content R5	306.840 mg/L	OK
		ALK LOW R6	306.540 mg/L	OK
78	L2554407-05 10x	Sample size	50 mL	
		Potential R4	10.82 pH	OK
		Consumption 8.3 R1	3.253 mL	OK
		Consumption 4.5 R2	3.612 mL	OK
		Consumption 4.2 R3	3.614 mL	OK
		Content R5	72.240 mg/L	OK
		ALK LOW R6	72.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.82 pH	OK
		Consumption 8.3 R1	3.253 mL	OK
79	L2554407-06 10x	Consumption 4.5 R2	3.612 mL	OK
		Consumption 4.2 R3	3.614 mL	OK
		Content R5	72.240 mg/L	OK
		ALK LOW R6	72.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.82 pH	OK
		Consumption 8.3 R1	3.253 mL	OK
		Consumption 4.5 R2	3.612 mL	OK
		Consumption 4.2 R3	3.614 mL	OK
		Content R5	72.240 mg/L	OK

Titration report



80	L2554407-07 10x	Sample size	50 mL	
		Potential R4	11.38 pH	OK
		Consumption 8.3 R1	7.312 mL	OK
		Consumption 4.5 R2	7.734 mL	OK
		Consumption 4.2 R3	7.735 mL	OK
		Content R5	154.680 mg/L	OK
		ALK LOW R6	154.660 mg/L	OK
81	L2555127-01 10x	Sample size	50 mL	
		Potential R4	6.49 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.901 mL	OK
		Consumption 4.2 R3	3.916 mL	OK
		Content R5	78.020 mg/L	OK
		ALK LOW R6	77.720 mg/L	OK
82	L2554428-01 10x	Sample size	50 mL	
		Potential R4	5.71 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	6.349 mL	OK
		Consumption 4.2 R3	6.396 mL	OK
		Content R5	126.980 mg/L	OK
		ALK LOW R6	126.040 mg/L	OK
83	L2554428-02 10x	Sample size	50 mL	
		Potential R4	5.74 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.239 mL	OK
		Consumption 4.2 R3	7.314 mL	OK
		Content R5	144.780 mg/L	OK
		ALK LOW R6	143.280 mg/L	OK
84	L2554428-03 10x	Sample size	50 mL	
		Potential R4	5.54 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.908 mL	OK
		Consumption 4.2 R3	3.937 mL	OK
		Content R5	78.160 mg/L	OK
		ALK LOW R6	77.580 mg/L	OK
85	CCV	Sample size	50 mL	
		Potential R4	10.98 pH	OK
		Consumption 8.3 R1	4.888 mL	OK
		Consumption 4.5 R2	5.206 mL	OK
		Consumption 4.2 R3	5.209 mL	OK
		Content R5	104.120 mg/L	OK
		ALK LOW R6	104.060 mg/L	OK
86	CCB	Sample size	50 mL	
		Potential R4	5.21 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.037 mL	OK
		Consumption 4.2 R3	0.041 mL	OK

Titration report



87 CCV

Content R5	0.740 mg/L	OK
ALK LOW R6	0.660 mg/L	OK
Sample size	50 mL	
Potential R4	10.95 pH	OK
Consumption 8.3 R1	4.873 mL	OK
Consumption 4.5 R2	5.209 mL	OK
Consumption 4.2 R3	5.211 mL	OK
Content R5	104.180 mg/L	OK
ALK LOW R6	104.140 mg/L	OK

88 CCB

Sample size	50 mL	
Potential R4	5.18 pH	OK
Consumption 8.3 R1	NaN mL	Not OK
Consumption 4.5 R2	0.035 mL	OK
Consumption 4.2 R3	0.039 mL	OK
Content R5	0.700 mg/L	OK
ALK LOW R6	0.620 mg/L	OK

Statistics

R1

Mean	NaN mL		
Maximum	15.445 mL	Minimum	2.926 mL
Standard deviation	NaN mL	Rel. standard deviation	NaN %
Total samples	88	Samples excluded	0

R2

Mean	NaN mL		
Maximum	22.335 mL	Minimum	0.031 mL
Standard deviation	NaN mL	Rel. standard deviation	NaN %
Total samples	88	Samples excluded	0

R3

Mean	NaN mL		
Maximum	22.620 mL	Minimum	0.039 mL
Standard deviation	NaN mL	Rel. standard deviation	NaN %
Total samples	88	Samples excluded	0

R4

Mean	7.14 pH		
Maximum	12.14 pH	Minimum	5.01 pH
Standard deviation	2.45 pH	Rel. standard deviation	34.353 %
Total samples	88	Samples excluded	0

R5

Titration report



Mean	NaN mg/L	Minimum	0.620 mg/L
Maximum	446.700 mg/L	Rel. standard deviation	NaN %
Standard deviation	NaN mg/L	Samples excluded	0
Total samples	88		

R6

Mean	NaN mg/L	Minimum	0.440 mg/L
Maximum	441.000 mg/L	Rel. standard deviation	NaN %
Standard deviation	NaN mg/L	Samples excluded	0
Total samples	88		

Used Instruments

Name	T7 Excellence Titrator	Serial number	C329519495
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Responsible User

Time	Login name	Full name
9/9/2025 9:36:16 AM	SystemInternal	System internal account

(17) Data compression on instrument occurred

Quality Control

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/09/25 13:28
Dup Sample ID	: WG2112368-2	DUP Analysis Date	: 09/09/25 13:30

Parameter	Sample Concentration (mg CaCO ₃ /L)	Duplicate Concentration (mg CaCO ₃ /L)	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	NC	10
Alkalinity, Bicarbonate	31.0	30.4	2	9



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/09/25 13:41
Dup Sample ID	: WG2112368-3	DUP Analysis Date	: 09/09/25 13:42

Parameter	Sample Concentration (mg CaCO ₃ /L)	Duplicate Concentration (mg CaCO ₃ /L)	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	NC	10
Alkalinity, Bicarbonate	20.7	20.7	0	9



Calculations of Alkalinity

$$\text{Alkalinity, mg CaCO}_3/\text{L} = \frac{A \times N \times 50,000}{\text{mL Sample}}$$

Where:

A = mL of the standard acid titrated

N = normality of the standard acid

Results are calculated using Mettler Toledo software.

Standard sample size is 50mL, 0.02N Sulfuric acid for titration

Sequence Logs

CAL	250909	LCS	6.99 INT: MRW
pH 4	3484	Titrant:	4298
pH 7	3386	LCS:	3530
pH 10	3482	MS:	3529
LCS	3523		

- 1 Rinse,MRW
- 2 Rinse,MRW
- 3 WG2112364-1
- 4 WG2112364-2
- 5 L2554996-01
- 6 L2556108-03 2x
- 7 L2554052-25
- 8 L2554407-01
- 9 WG2112364-3
- 10 WG2112364-4
- 11 L2554407-03
- 12 L2554407-04
- 13 L2554407-05
- 14 L2554407-06
- 15 L2554407-07
- 16 L2556108-03 10x
- 17 CCV
- 18 CCB
- 19 L2554407-08
- 20 L2554407-09
- 21 L2554407-11
- 22 L2554408-01
- 23 L2554408-02
- 24 L2554408-03
- 25 L2555127-01
- 26 L2555196-01
- 27 L2555196-02
- 28 L2555196-03
- 29 L2555196-04
- 30 L2555215-01
- 31 CCV
- 32 WG2112368-1
- 33 L2554996-02
- 34 L2554996-03
- 35 L2554996-04
- 36 L2555281-01
- 37 L2555281-02
- 38 L2555281-03
- 39 L2555281-04
- 40 L2555281-05
- 41 WG2112368-2

42 L2555281-06
43 L2555281-07
44 L2555281-08
45 L2555605-01
46 L2555605-02
47 WG2112368-3
48 L2555605-03
49 L2555605-04
50 L2555605-05
51 L2555605-06
52 L2555605-07
53 L2555605-08
54 CCV
55 WG2112371-1
56 L2555647-01
57 WG2112371-2
58 L2555647-03
59 L2555647-05
60 L2555647-07
61 L2555647-09
62 L2555647-11
63 L2555647-13
64 L2555647-15
65 L2555647-17
66 L2555647-19
67 L2555647-21
68 L2555647-23
69 L2554428-01
70 L2554428-02
71 L2554428-03
72 CCV
73 CCB
74 CCV
75 CCB
76 L2554407-03 10x
77 L2554407-04 10x
78 L2554407-05 10x
79 L2554407-06 10x
80 L2554407-07 10x
81 L2555127-01 10x
82 L2554428-01 10x
83 L2554428-02 10x
84 L2554428-03 10x
85 CCV
86 CCB
87 CCV
88 CCB

Chloride Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 15:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250908-A	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	12.	1.0	0.89	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 15:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250908-A	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	25.	1.0	0.89	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 15:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250908-A	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	24.	1.0	0.89	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 15:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250908-A	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	3.2	1.0	0.89	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 15:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250908-A	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	19.	1.0	0.89	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 15:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250908-A	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	42.	1.0	0.89	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 15:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250908-A	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	63.	1.0	0.89	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/08/25 16:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250908-A	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	12.	1.0	0.89	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112021-1
Client ID : WG2112021-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250908-A
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/08/25 15:30
Dilution Factor : 1
Analyst : JER
Instrument ID : LACHAT3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	ND	1.0	0.89	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112021-3
Client ID : WG2112021-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250908-A
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/03/25 09:20
Date Received : 09/03/25
Date Analyzed : 09/08/25 15:46
Dilution Factor : 1
Analyst : JER
Instrument ID : LACHAT3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	8.5	1.0	0.89	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112021-5
Client ID : MW-8DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250908-A
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/08/25 15:52
Dilution Factor : 1
Analyst : JER
Instrument ID : LACHAT3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	26.	1.0	0.89	



Sample Raw Data

Author:

Date : 9/8/2025

Original Run Filename: OM_9-8-2025_03-16-25PM.OMN Created: 9/8/2025 3:16:25 PM
 Original Run Author's Signature: [a1wetcheminstrument]
 Current Run Filename: OM_9-8-2025_03-16-25PM.OMN Last Modified: 9/8/2025 5:35:12 PM
 Current Run Author's Signature: [a1wetcheminstrument]
 Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	19.22465			
Known Conc:			20.00000			
Calibration:			Table/Fig. : 1			
CCB	1	S9	0.56335			
Known Conc:			0.00000			
ICV 5	1	1	4.66328			93%
ICV 30	1	2	27.40544			91%
ICV 80	1	3	81.65012			102%
ICB	1	4	0.84056			
100 PPM	1	5	110.34973	10.00		110%
WG2112021-1	1	6	0.70650			
WG2112021-2	1	7	25.72260			
WG2112022-1	1	8	0.69040			
WG2112022-2	1	9	26.94483			90%
WG2112024-1	1	10	0.76810			
CCV	1	S3	18.84365			
Known Conc:			20.00000			
CCB	1	S9	0.86621			
Known Conc:			0.00000			
WG2112024-2	1	11	27.25076			91%
WG2112021-2	1	7	27.31382			91%
L2555196-01	1	12	2.81081			
L2555196-02	1	13	23.12584			
L2555196-03	1	14	17.06614			
L2555196-04	1	15	16.83340			
L2555281-01	1	16	19.20686			
L2555281-02	1	17	20.04276			
L2555281-03	1	18	12.99709			
L2555281-04	1	19	13.19965	10.00		
CCV	1	S3	19.05614			
Known Conc:			20.00000			
CCB	1	S9	0.73100			
Known Conc:			0.00000			
L2555281-05	1	20	8.45239			
WG2112021-3	1	21	8.46780			
WG2112021-4	1	22	29.55307			
L2555281-06	1	23	18.40404			
L2555281-07	1	24	17.15261			
L2555281-08	1	25	0.93622			
L2555605-01	1	26	12.34653			
L2555605-02	1	27	25.40401			
WG2112021-5	1	28	25.54841			
WG2112021-6	1	29	41.74354	10.00		
CCV	1	S3	19.19961			
Known Conc:			20.00000			
CCB	1	S9	0.83304			
Known Conc:			0.00000			
L2555605-03	1	30	24.10463			
L2555605-04	1	31	3.19026			
L2555605-05	1	32	18.61366			

Author:

Date : 9/8/2025

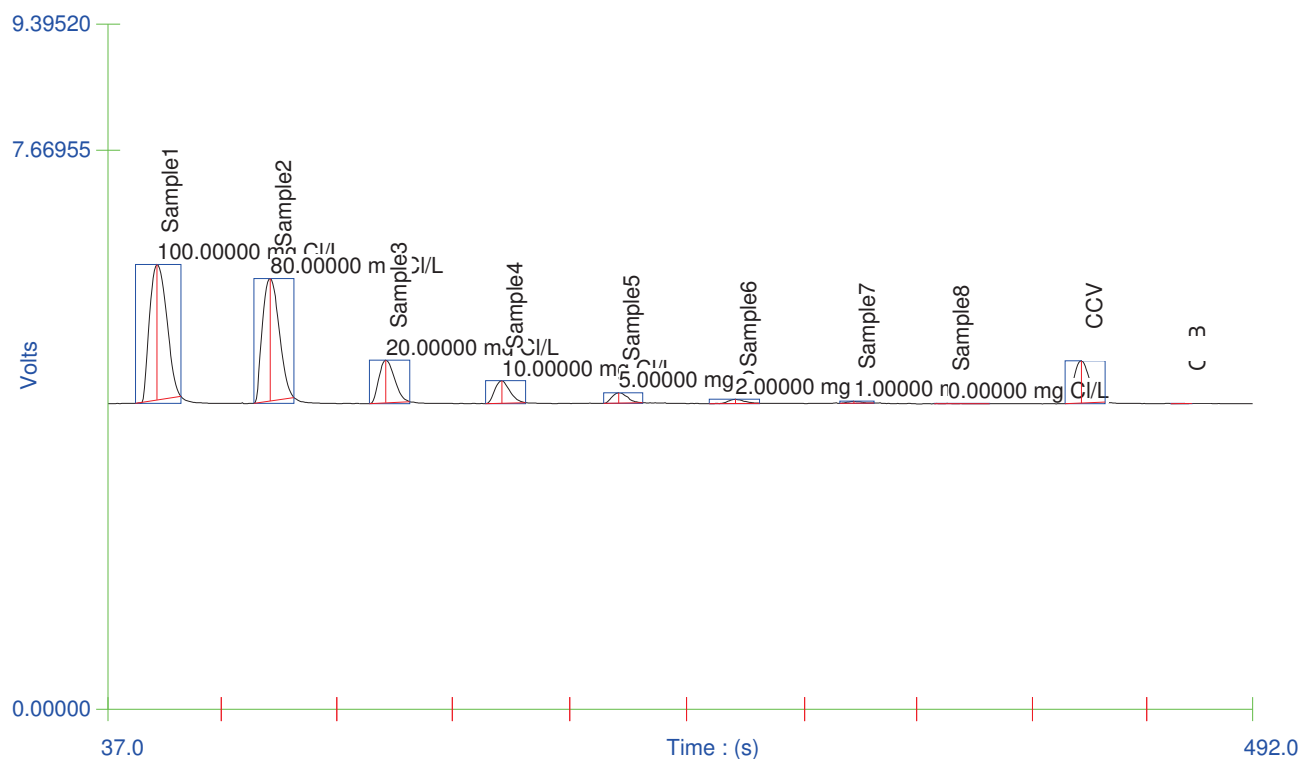
L2555605-06	1	33	41.85566		
L2555605-07	1	34	63.12281		
L2555605-08	1	35	12.30011		
L2555647-01	1	36	12.40867		
WG2112022-3	1	37	12.48482		
WG2112022-4	1	38	32.53823		
L2555647-02	1	39	15.97281	10.00	
CCV	1	S3	18.85921		
Known Conc:			20.00000		
CCB	1	S9	0.67397		
Known Conc:			0.00000		
L2555647-03	1	40	16.83745		
L2555647-04	1	41	16.83763		
L2555647-05	1	42	220.22241		
L2555647-06	1	43	224.10707		
L2555647-07	1	44	141.54216		
L2555647-08	1	45	140.93381		
L2555647-09	1	46	106.52779		
L2555647-10	1	47	107.14363		
L2555647-11	1	48	150.57651		
L2555647-12	1	49	155.82468	10.00	
CCV	1	S3	18.98858		
Known Conc:			20.00000		
CCB	1	S9	0.78076		
Known Conc:			0.00000		
L2555647-13	1	50	12.83616		
L2555647-14	1	51	12.81112		
L2555647-15	1	52	66.21929		
L2555647-16	1	53	65.93372		
L2555647-17	1	54	166.72484		
L2555647-18	1	55	157.30919		
L2555647-19	1	56	37.45490		
L2555647-20	1	57	37.01052		
L2555226-01	1	58	19.37178		
WG2112024-3	1	59	19.55780	10.00	
CCV	1	S3	18.41329		
Known Conc:			20.00000		
CCB	1	S9	0.73491		
Known Conc:			0.00000		
WG2112024-4	1	60	38.95930		
L2555226-03	1	61	3515.64453	10.00	
L2555434-01	1	62	225.64630		
L2555434-04	1	63	218.68520		
L2555647-21	1	64	104.43974		
L2555647-22	1	65	104.17361		
L2555647-23	1	66	0.86675		
L2555647-24	1	67	0.76135		
L2555888-01	1	68	230.28720		
L2555888-02	1	69	314.97876	10.00	
CCV	1	S3	18.24607		
Known Conc:			20.00000		
CCB	1	S9	0.54129		
Known Conc:			0.00000		
L2555888-03	1	70	3.98404		
L2555888-04	1	71	4.04798		
L2555888-05	1	72	88.81416		
L2555888-06	1	73	90.16645		
L2555888-07	1	74	119.48697		
L2555888-08	1	75	119.91785		
L2555888-09	1	76	85.13167		
L2555888-10	1	77	86.38741		
L2555910-03	1	78	2.69897		
L2555910-05	1	79	3218.06689	10.00	
CCV	1	S3	20.31362		
Known Conc:			20.00000		
CCB	1	S9	0.91481		
Known Conc:			0.00000		
L2555281-04	1	19	9.50874		

Author:

Date : 9/8/2025

WG2112021-6	1	29	44.73716			
L2555647-02	1	39	12.00537			
L2555647-05	1	42	291.29172	10.00		
L2555647-06	1	43	291.44632	10.00		
L2555647-07	1	44	137.37653	10.00		
L2555647-08	1	45	136.87784	10.00		
L2555647-09	1	46	94.76360	10.00		
L2555647-10	1	47	95.50488	10.00		
L2555647-11	1	48	149.81427	10.00		
CCV	1	S3	18.32514			
Known Conc:			20.00000			
CCB	1	S9	0.72674			
Known Conc:			0.00000			
L2555647-17	1	54	166.00751	10.00		
L2555647-18	1	55	162.21559	10.00		
L2555647-19	1	56	35.82621			
WG2112024-3	1	59	18.61037			
L2555226-03	1	61	6999.47266	100.00		
L2555434-01	1	62	302.28662	10.00		
L2555434-04	1	63	280.59683	10.00		
L2555647-21	1	64	95.14542	10.00		
L2555647-22	1	65	94.19904	10.00		
L2555888-01	1	68	304.10138	10.00		
CCV	1	S3	17.83404			
Known Conc:			20.00000			
CCB	1	S9	0.71862			
Known Conc:			0.00000			
L2555647-23	1	66	0.73445			
L2555888-07	1	74	112.99727	10.00		
L2555888-08	1	75	113.41454	10.00		
L2555888-06	1	73	86.06672			

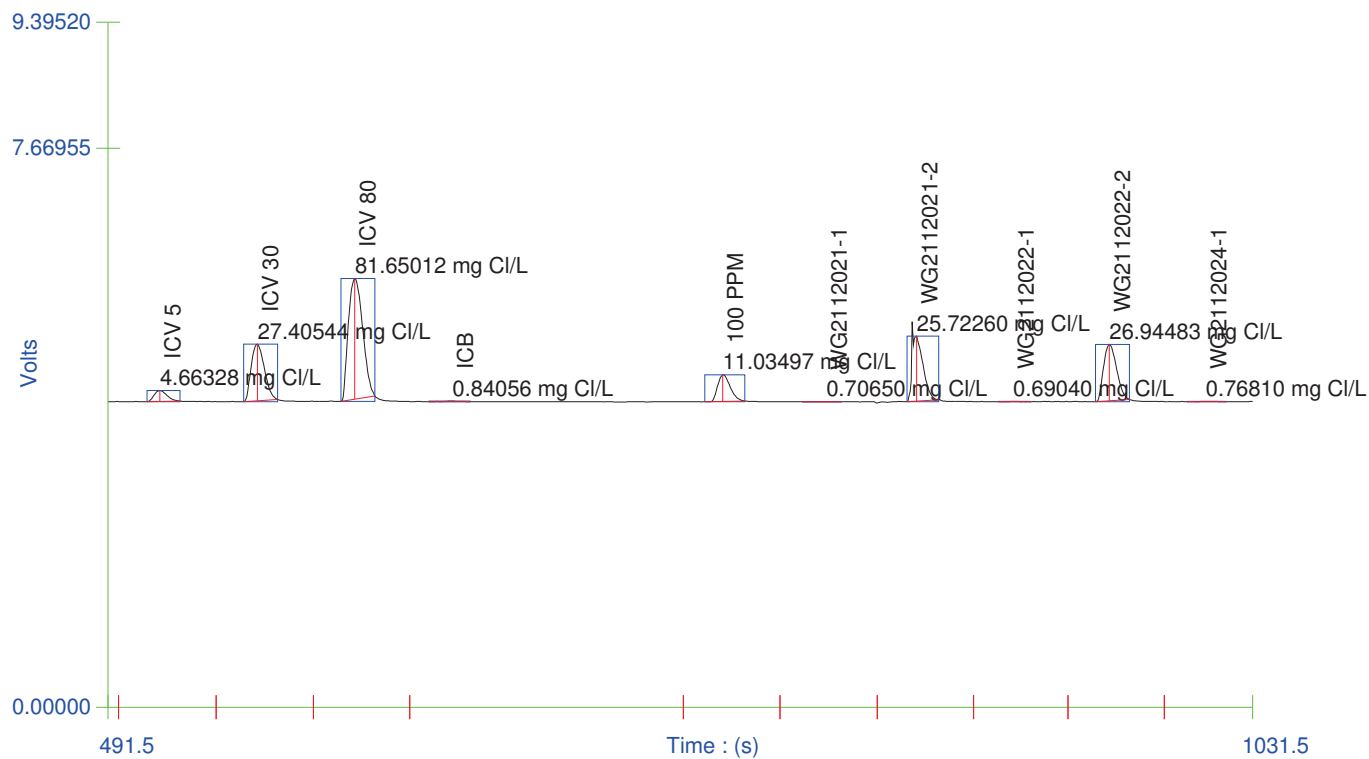
Channel 1 (Chloride) - Set: 1 / 14



Author:

Date : 9/8/2025

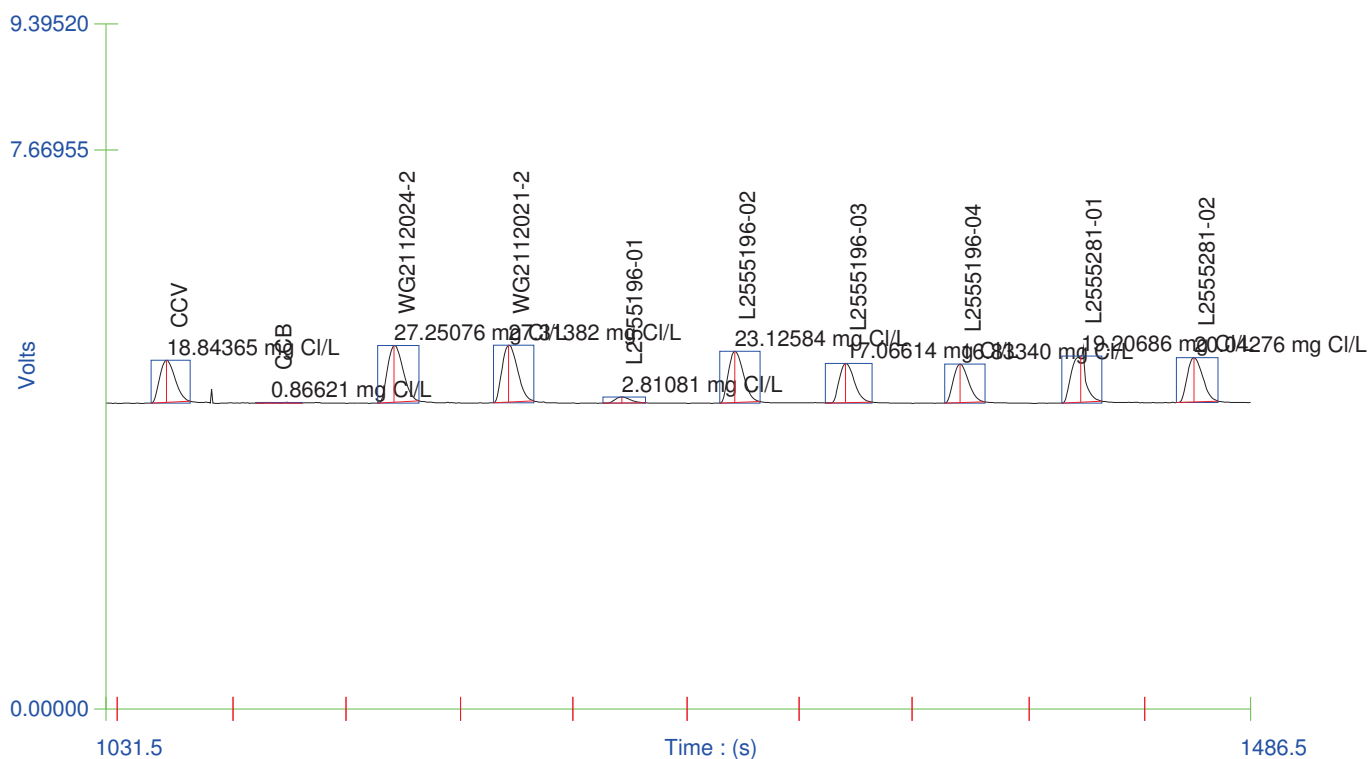
Channel 1 (Chloride) - Set: 2 / 14



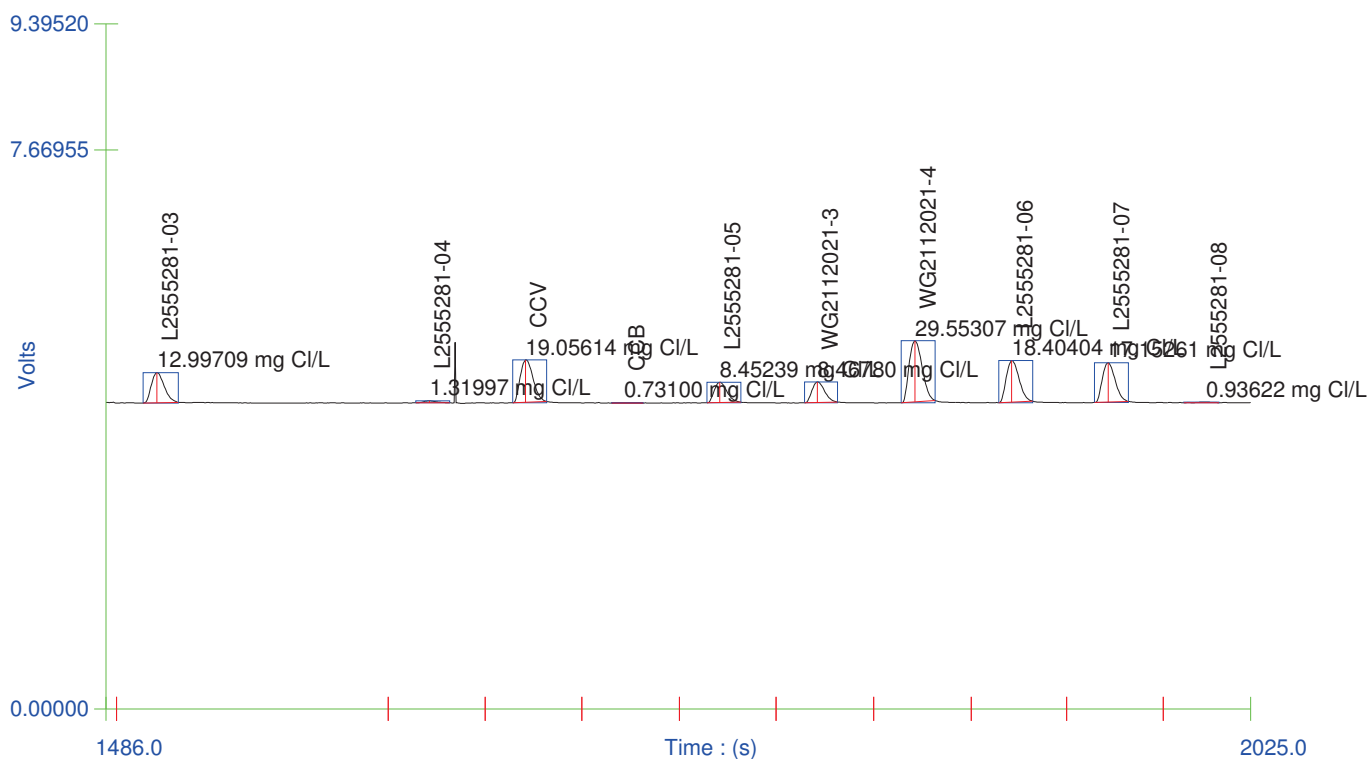
Author:

Date : 9/8/2025

Channel 1 (Chloride) - Set: 3 / 14



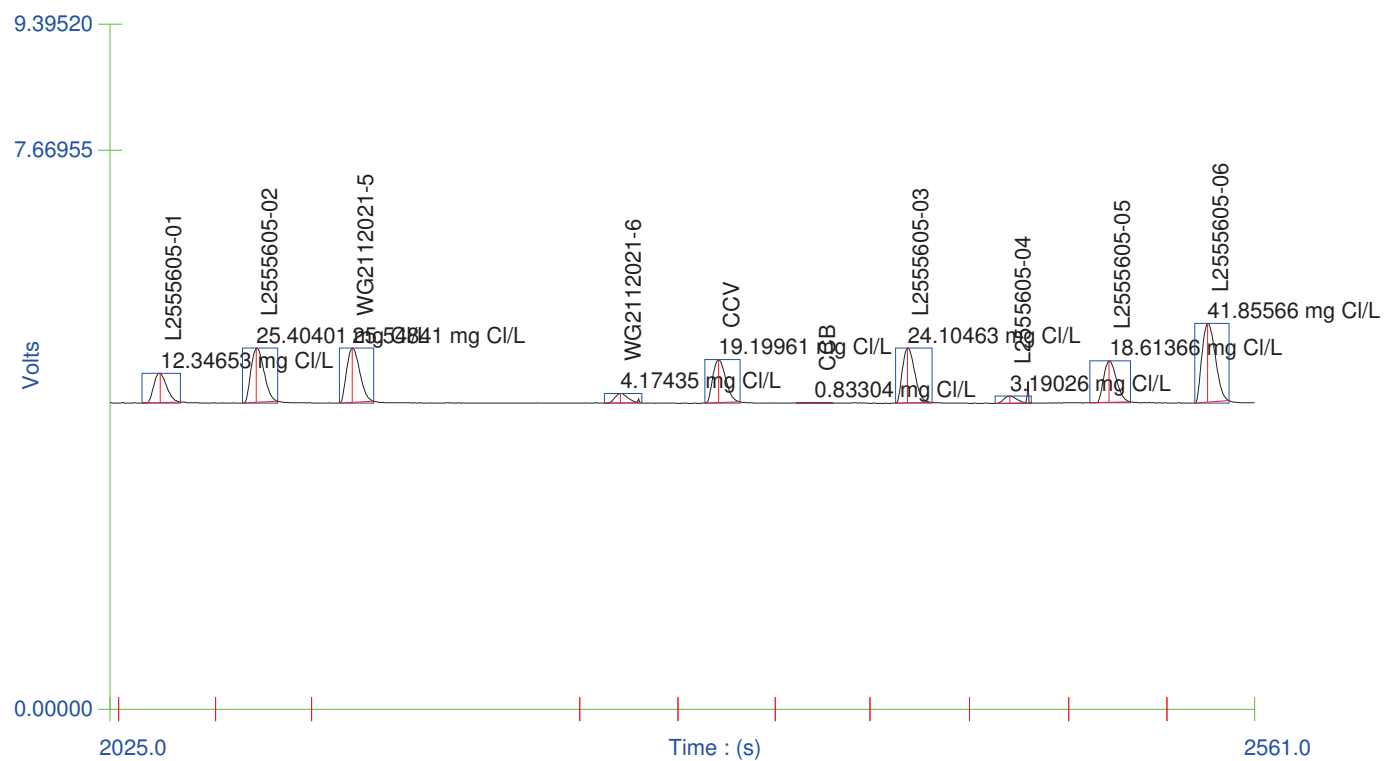
Channel 1 (Chloride) - Set: 4 / 14



Author:

Date : 9/8/2025

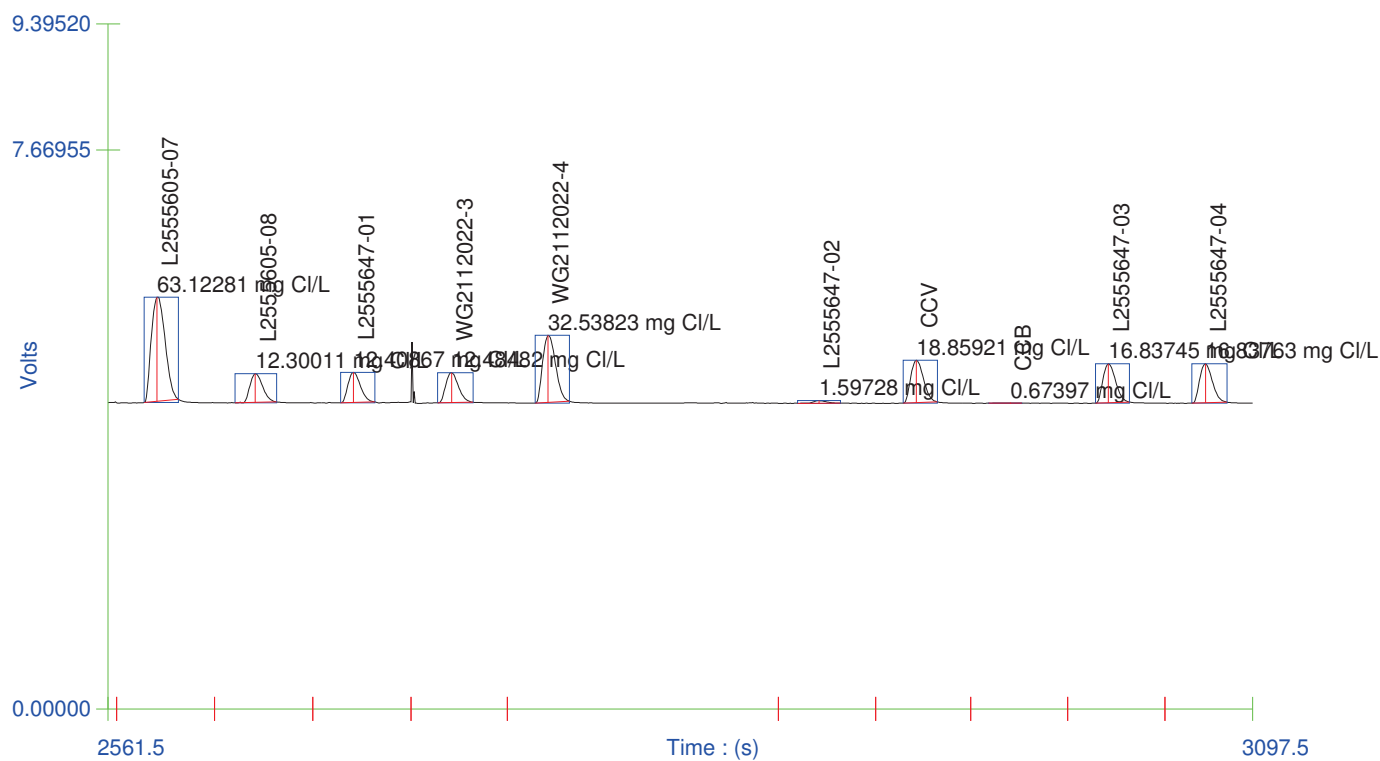
Channel 1 (Chloride) - Set: 5 / 14



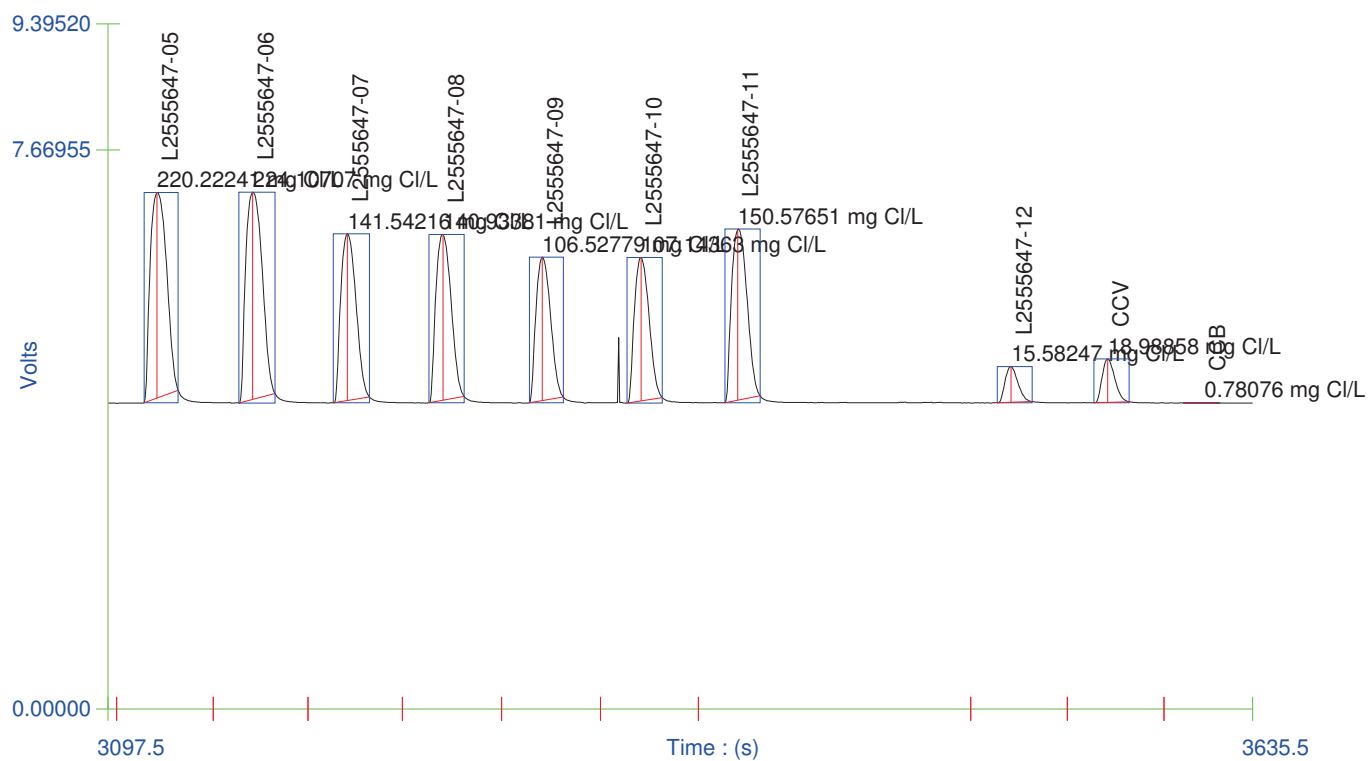
Author:

Date : 9/8/2025

Channel 1 (Chloride) - Set: 6 / 14



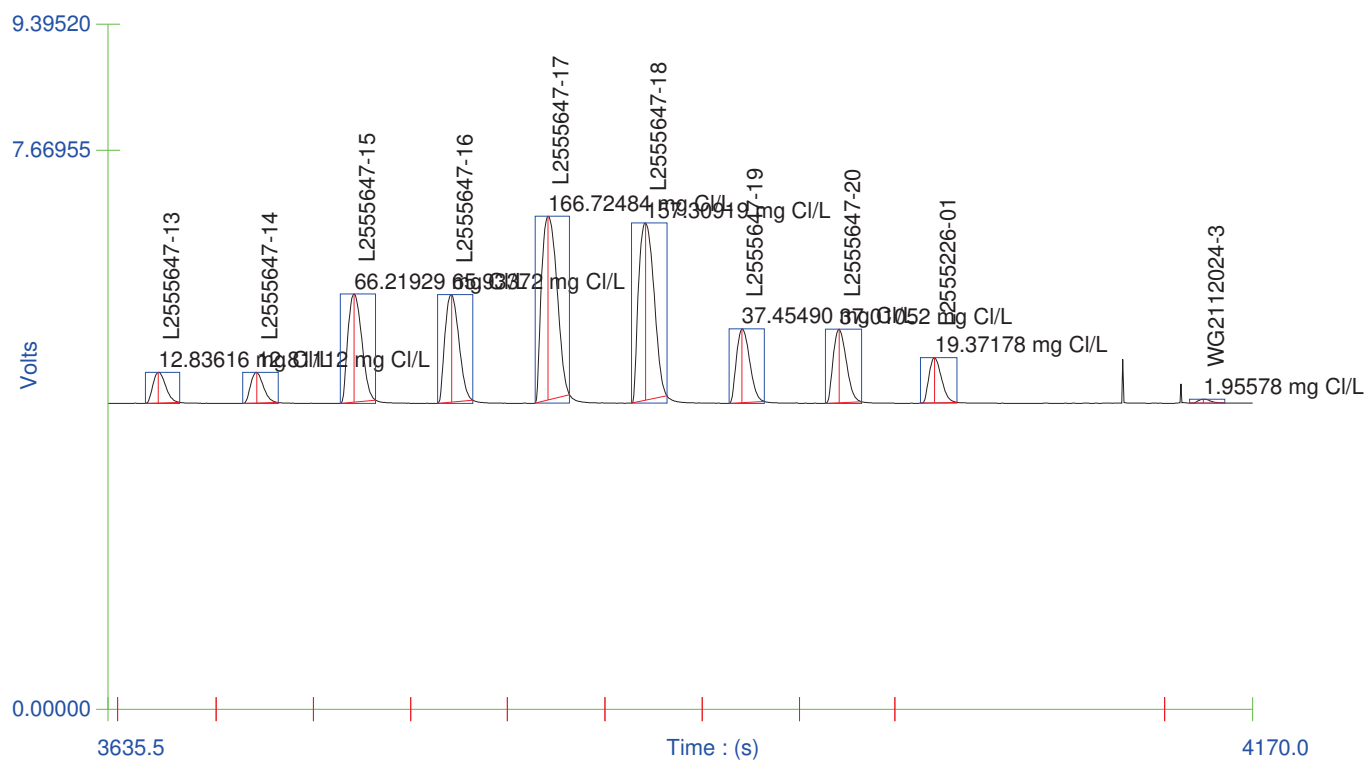
Channel 1 (Chloride) - Set: 7 / 14



Author:

Date : 9/8/2025

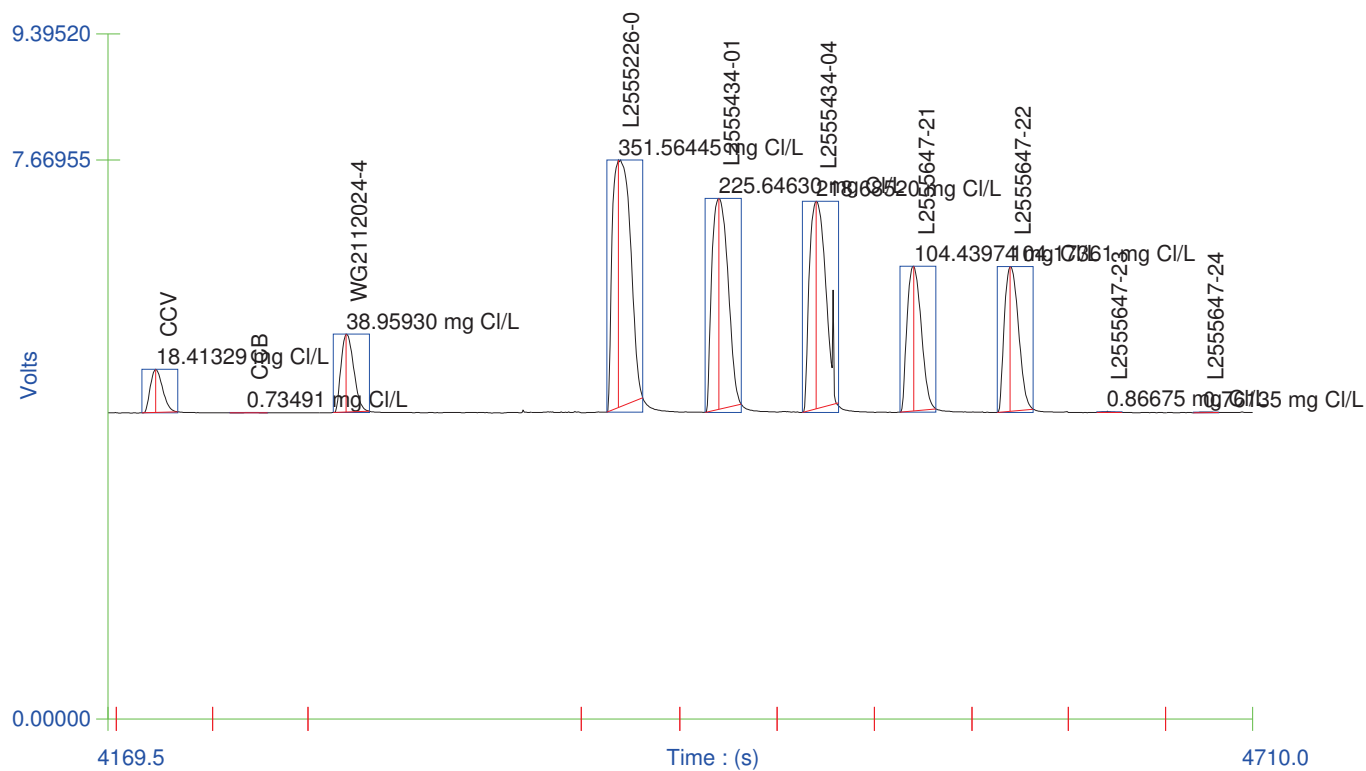
Channel 1 (Chloride) - Set: 8 / 14



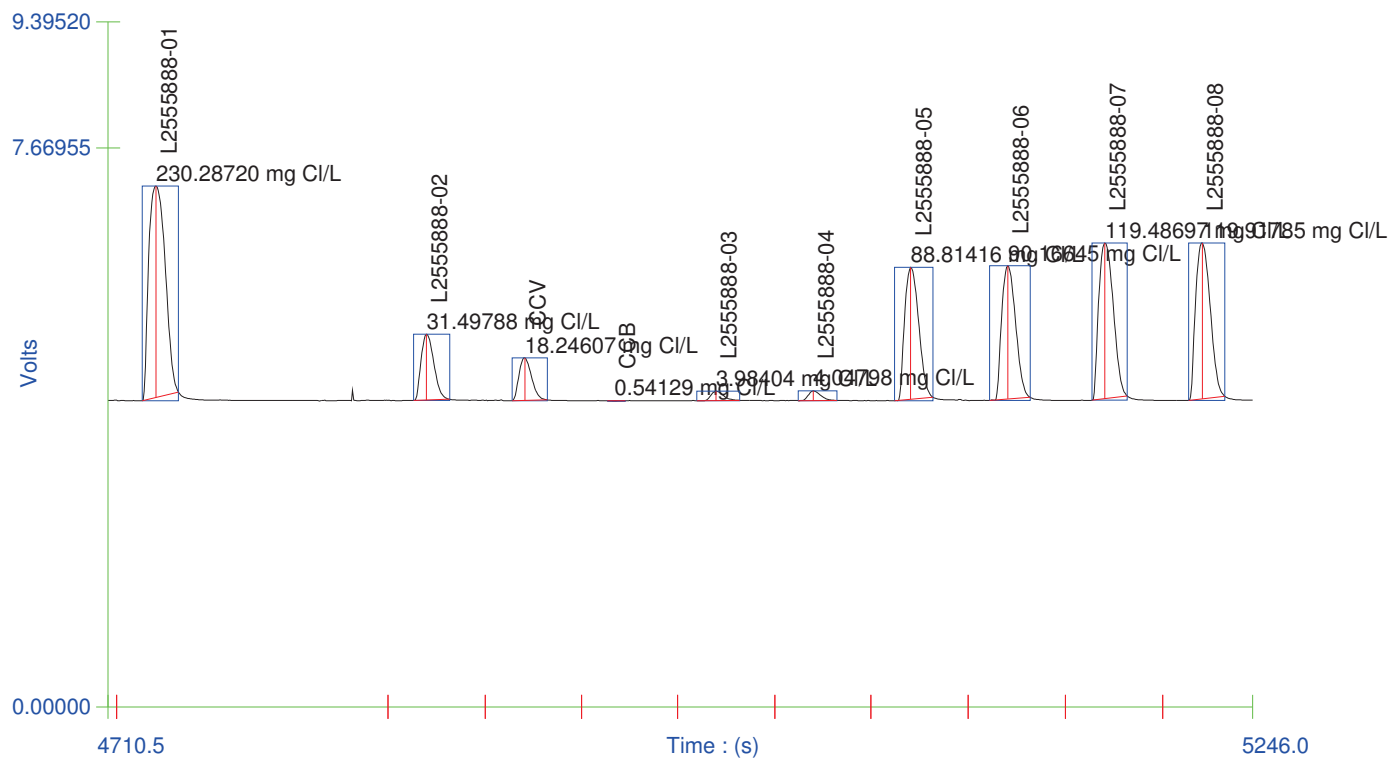
Author:

Date : 9/8/2025

Channel 1 (Chloride) - Set: 9 / 14



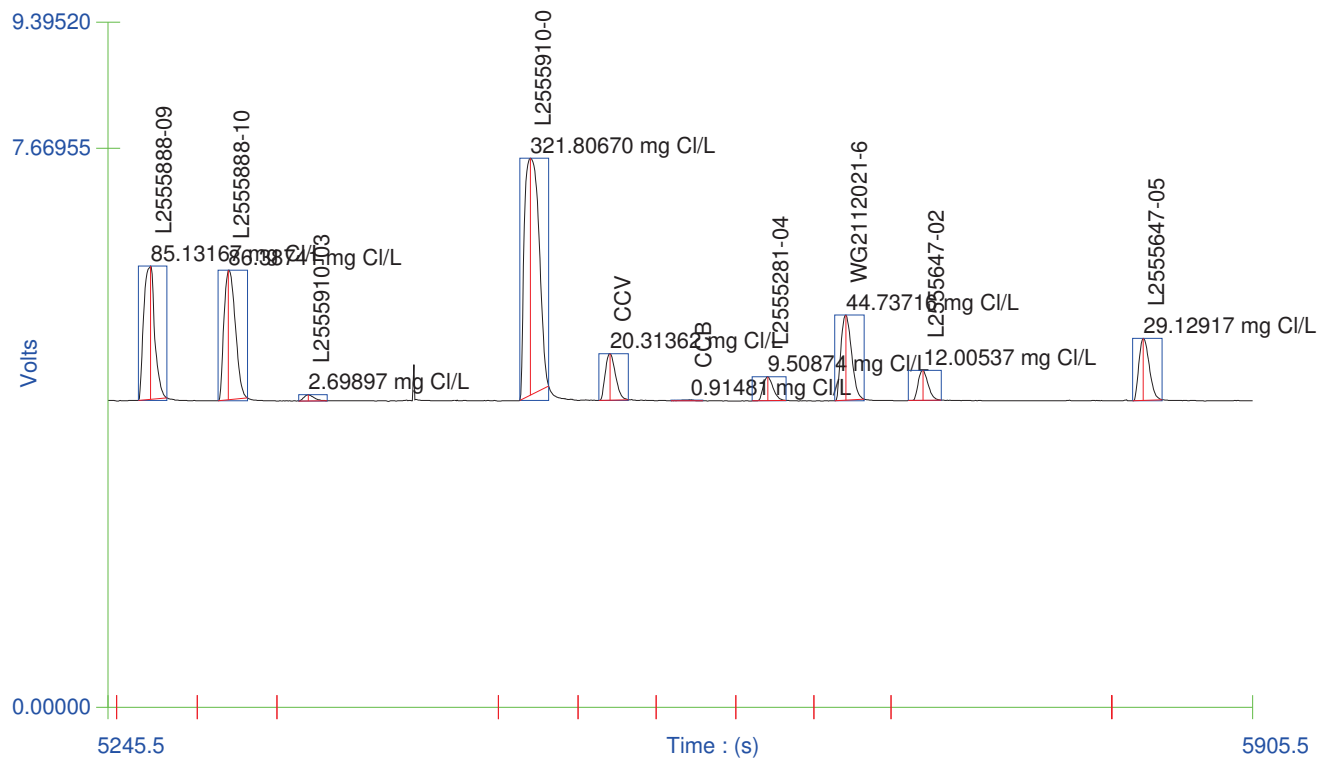
Channel 1 (Chloride) - Set: 10 / 14



Author:

Date : 9/8/2025

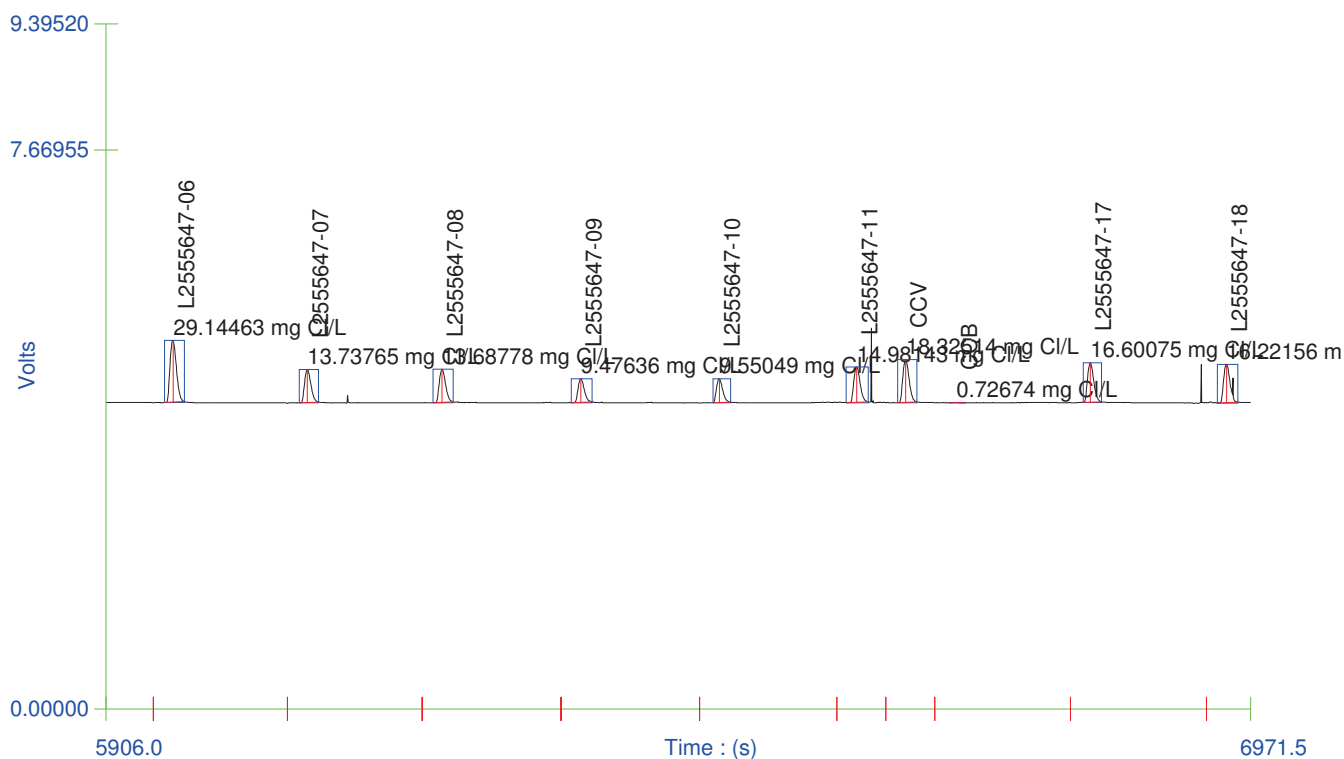
Channel 1 (Chloride) - Set: 11 / 14



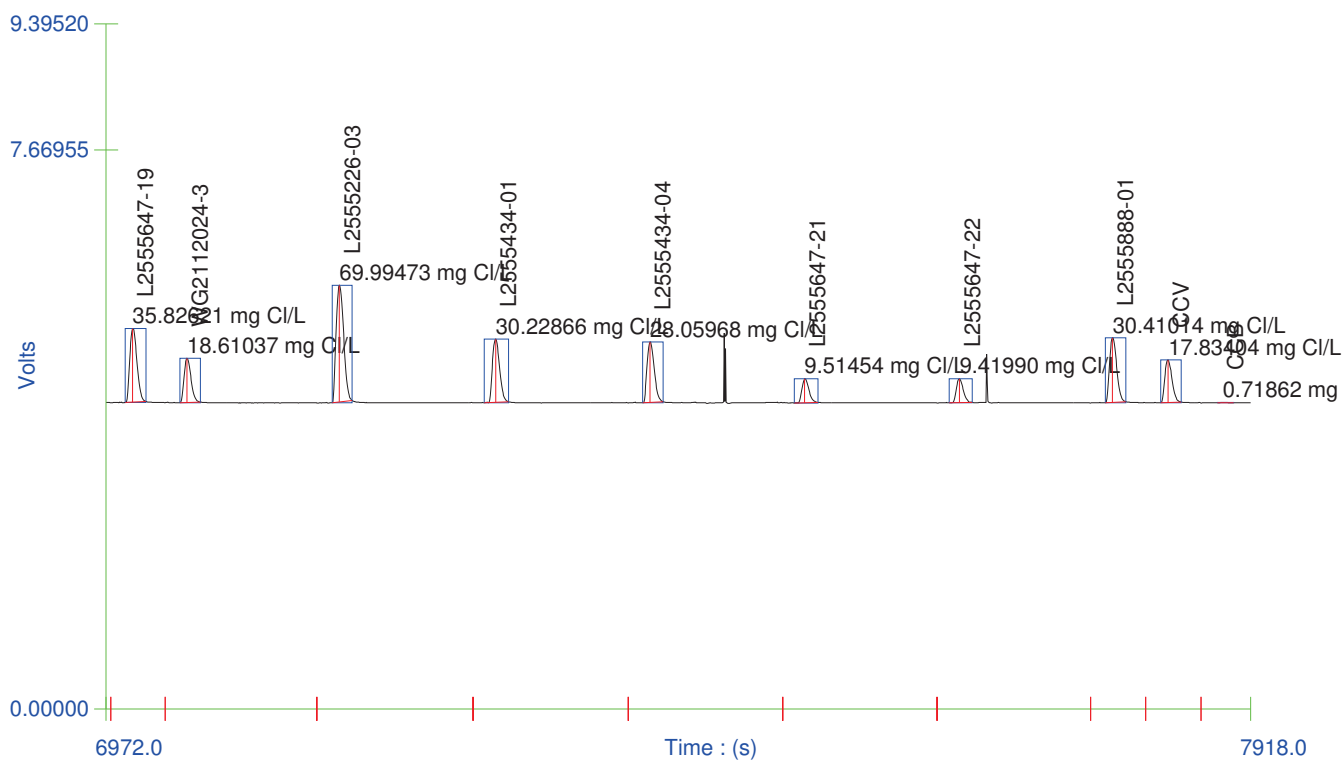
Author:

Date : 9/8/2025

Channel 1 (Chloride) - Set: 12 / 14



Channel 1 (Chloride) - Set: 13 / 14



Channel 1 (Chloride) - Set: 14 / 14

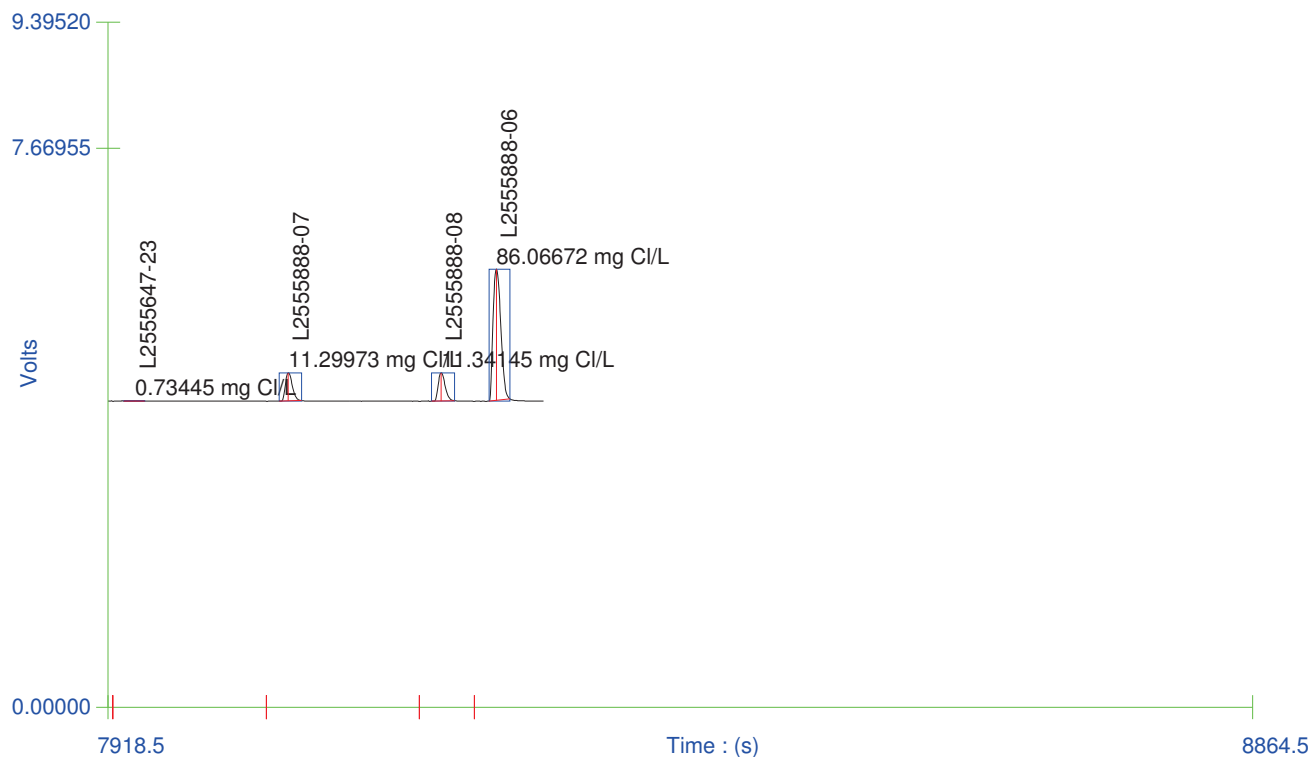
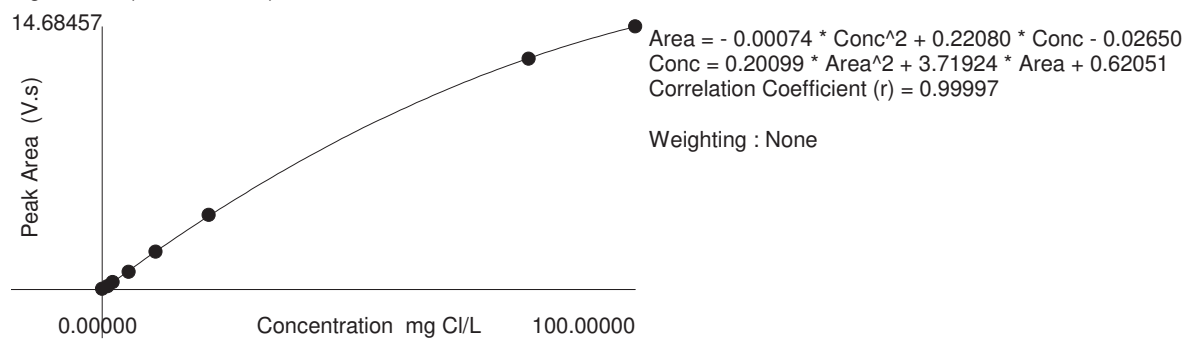


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.68457	1.85574	0.0	-0.1	98.57600	9/8/2025	3:17:17 PM
2	80.00000	1	12.88609	1.67847	0.0	0.2	81.92107	9/8/2025	3:18:02 PM
3	20.00000	1	4.14873	0.58349	0.0	-1.3	19.51000	9/8/2025	3:18:47 PM
4	10.00000	1	2.09940	0.30663	0.0	0.4	9.31454	9/8/2025	3:19:33 PM
5	5.00000	1	0.98113	0.14143	0.0	7.4	4.46305	9/8/2025	3:20:20 PM
6	2.00000	1	0.41519	0.05693	0.0	-0.7	2.19934	9/8/2025	3:21:06 PM
7	1.00000	1	0.17122	0.03101	0.0	11.5	1.26322	9/8/2025	3:21:54 PM
8	0.00000	1	0.03549	0.00358			0.75278	9/8/2025	3:22:38 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 9/8/2025

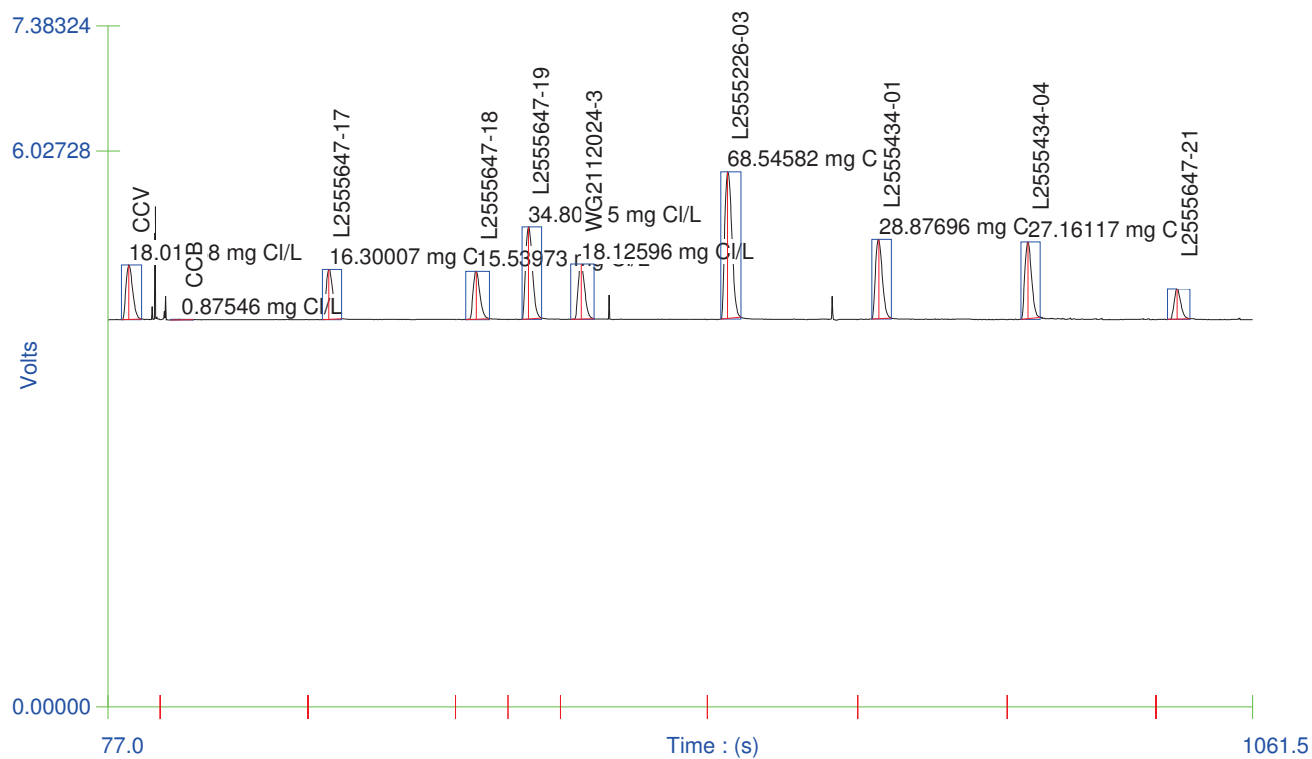
Original Run Filename: OM_9-8-2025_05-41-56PM.OMN Created: 9/8/2025 5:41:56 PM
 Original Run Author's Signature: [a1wetcheminstrument]
 Current Run Filename: OM_9-8-2025_05-41-56PM.OMN Last Modified: 9/8/2025 6:15:19 PM
 Current Run Author's Signature: [a1wetcheminstrument]
 Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	18.01268			
Known Conc:			20.00000			
CCB	1	S9	0.87546			
Known Conc:			0.00000			
Calibration:			Table/Fig. : 1			
L2555647-17	1	54	163.00072	10.00		
L2555647-18	1	55	155.39729	10.00		
L2555647-19	1	56	34.80515			
WG2112024-3	1	59	18.12596			
L2555226-03	1	61	6854.58203	100.00		
L2555434-01	1	62	288.76959	10.00		
L2555434-04	1	63	271.61172	10.00		
L2555647-21	1	64	93.00896	10.00		
L2555647-22	1	65	95.24735	10.00		
L2555888-01	1	68	302.96381	10.00		
CCV	1	S3	18.22340			
Known Conc:			20.00000			
CCB	1	S9	0.72278			
Known Conc:			0.00000			
L2555647-23	1	66	0.69260			
L2555888-07	1	74	117.48496	10.00		
L2555888-08	1	75	112.69310	10.00		
L2555888-06	1	73	86.16912			
L2555910-05	1	79	5194.15918	100.00		
CCV	1	S3	18.25970			
Known Conc:			20.00000			
CCB	1	S9	0.61824			
Known Conc:			0.00000			

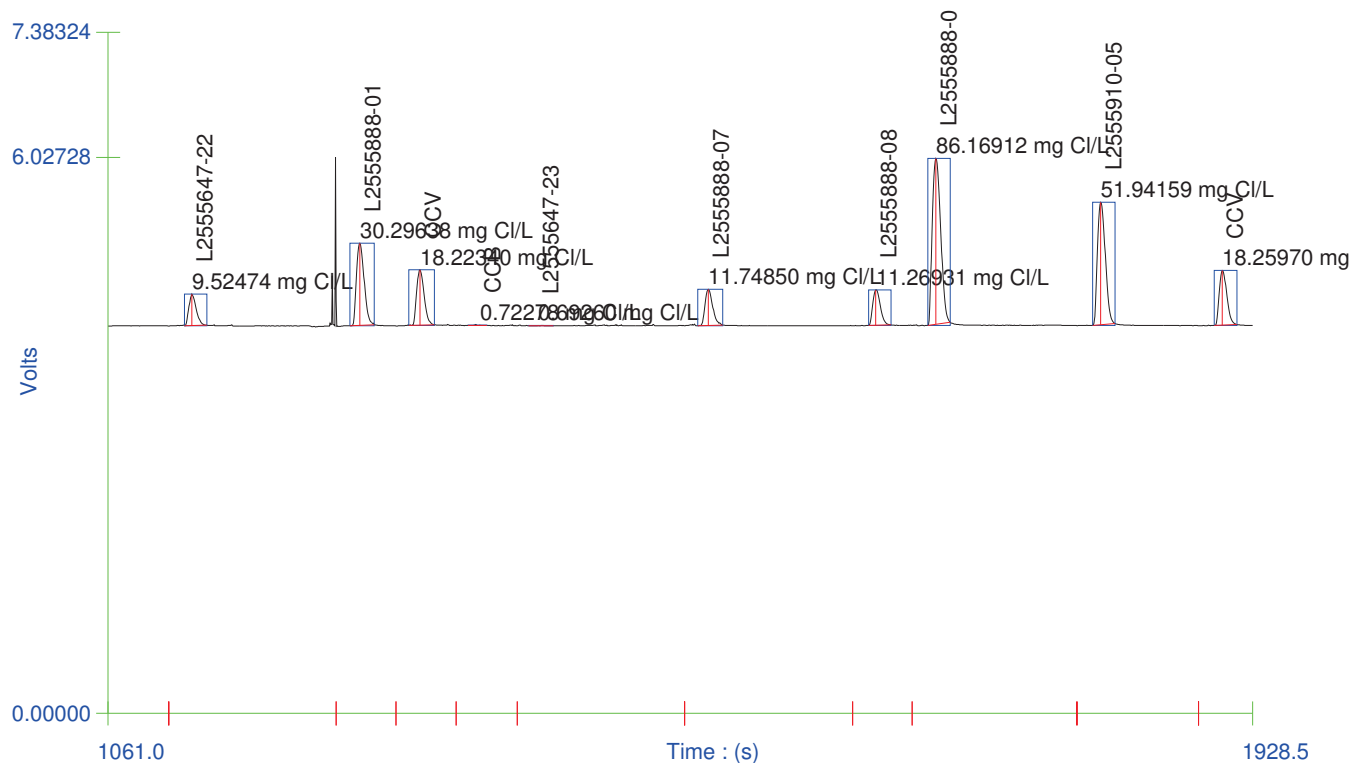
Author:

Date : 9/8/2025

Channel 1 (Chloride) - Set: 1 / 3



Channel 1 (Chloride) - Set: 2 / 3



Channel 1 (Chloride) - Set: 3 / 3

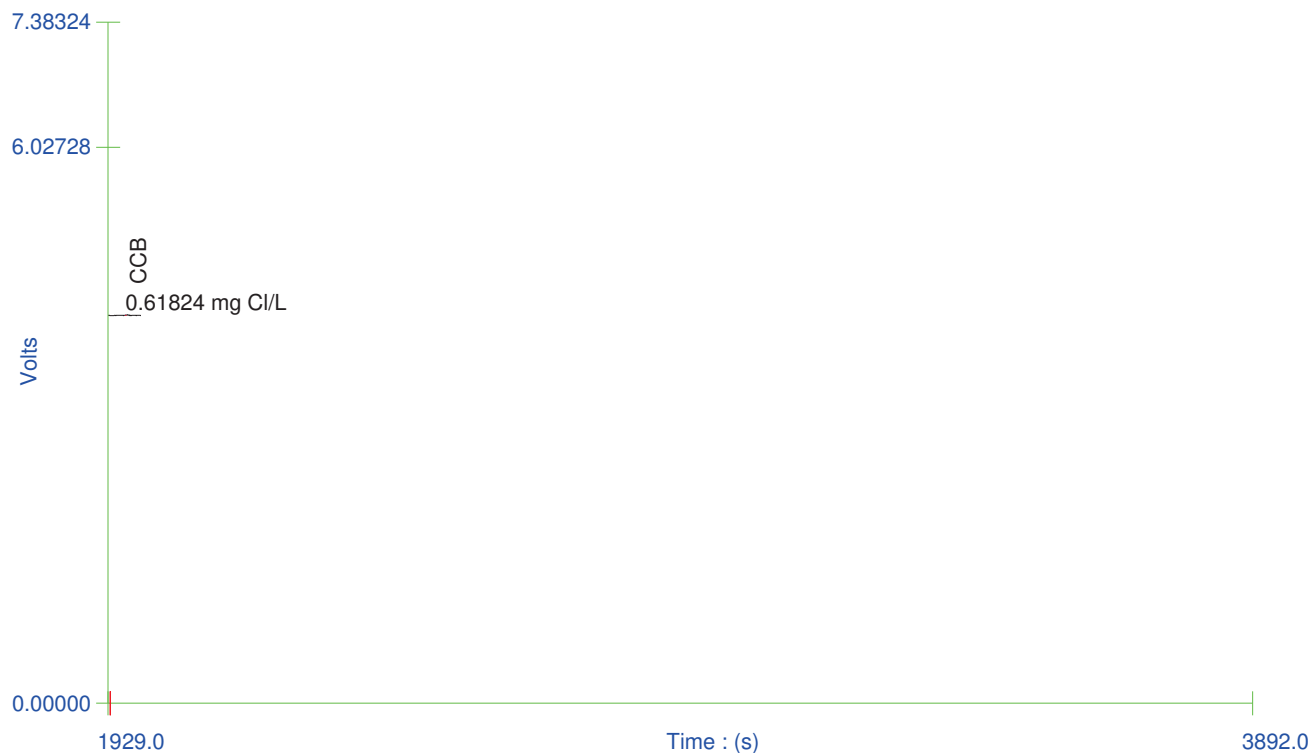
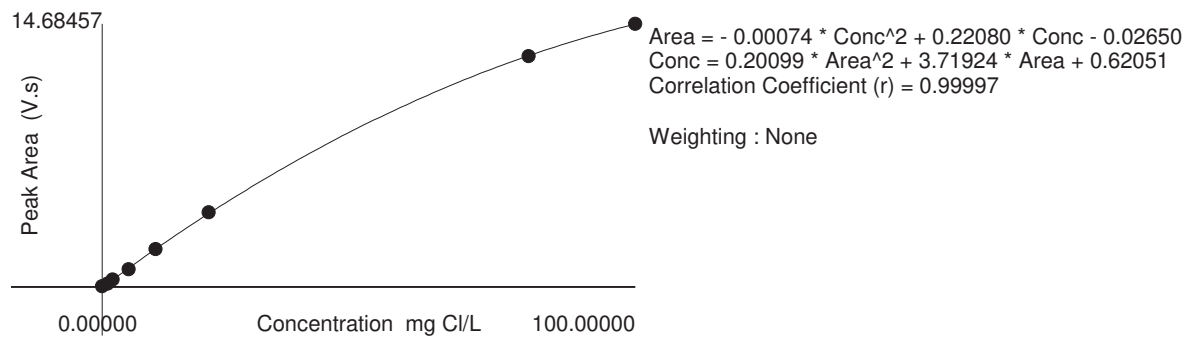


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.68457	1.85574	0.0	-0.1	98.57600	9/8/2025	3:17:17 PM
2	80.00000	1	12.88609	1.67847	0.0	0.2	81.92107	9/8/2025	3:18:02 PM
3	20.00000	1	4.14873	0.58349	0.0	-1.3	19.51000	9/8/2025	3:18:47 PM
4	10.00000	1	2.09940	0.30663	0.0	0.4	9.31454	9/8/2025	3:19:33 PM
5	5.00000	1	0.98113	0.14143	0.0	7.4	4.46305	9/8/2025	3:20:20 PM
6	2.00000	1	0.41519	0.05693	0.0	-0.7	2.19934	9/8/2025	3:21:06 PM
7	1.00000	1	0.17122	0.03101	0.0	11.5	1.26322	9/8/2025	3:21:54 PM
8	0.00000	1	0.03549	0.00358			0.75278	9/8/2025	3:22:38 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 9/8/2025

Original Run Filename: OM_9-8-2025_06-16-47PM.OMN Created: 9/8/2025 6:16:47 PM
 Original Run Author's Signature: [a1wetcheminstrument]
 Current Run Filename: OM_9-8-2025_06-16-47PM.OMN Last Modified: 9/8/2025 6:22:33 PM
 Current Run Author's Signature: [a1wetcheminstrument]
 Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			Chloride-CH3 (mg Cl/L)			
CCV	1	S3	18.26359			
Known Conc:			20.00000			
Calibration:			Table/Fig. : 1			
CCB	1	S9	0.69528			
Known Conc:			0.00000			
L2555888-06-09	1	76	85.27119			
CCV	1	S3	18.29287			
Known Conc:			20.00000			
CCB	1	S9	0.74575			
Known Conc:			0.00000			

Channel 1 (Chloride) - Set: 1 / 1

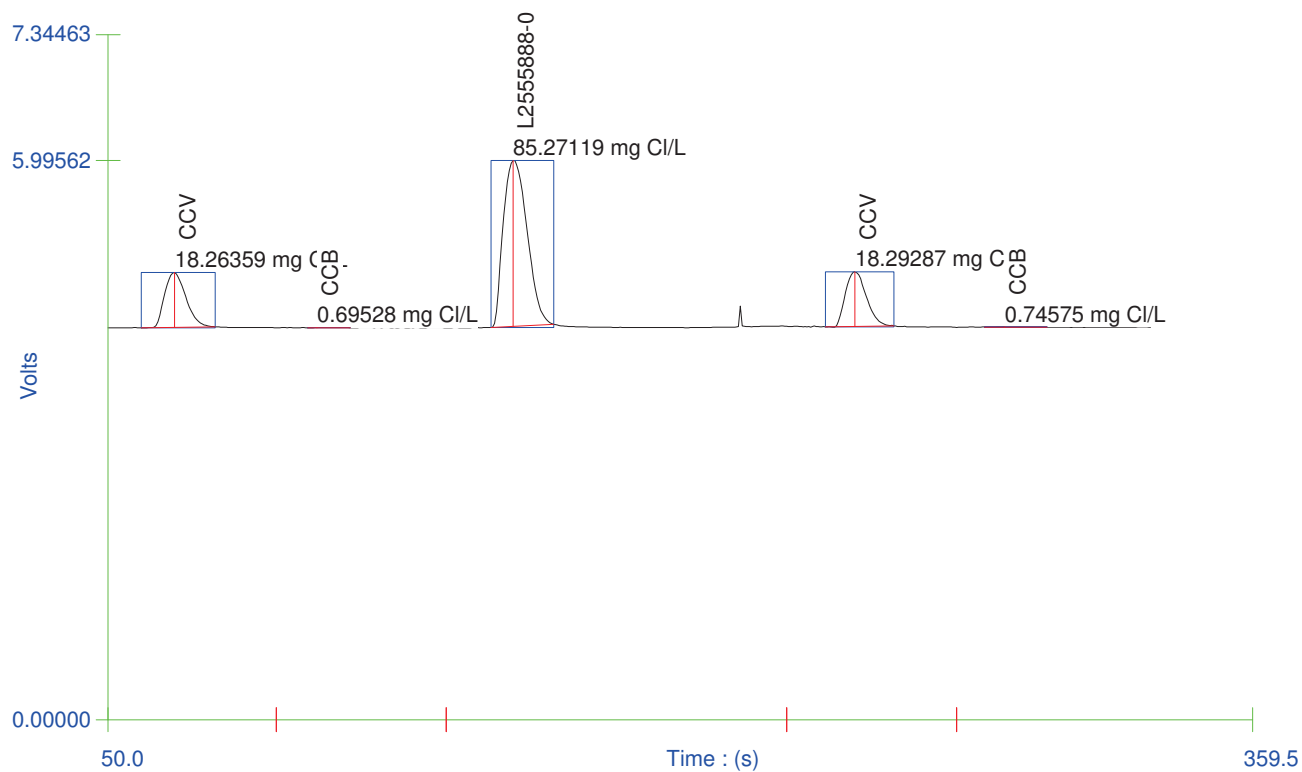
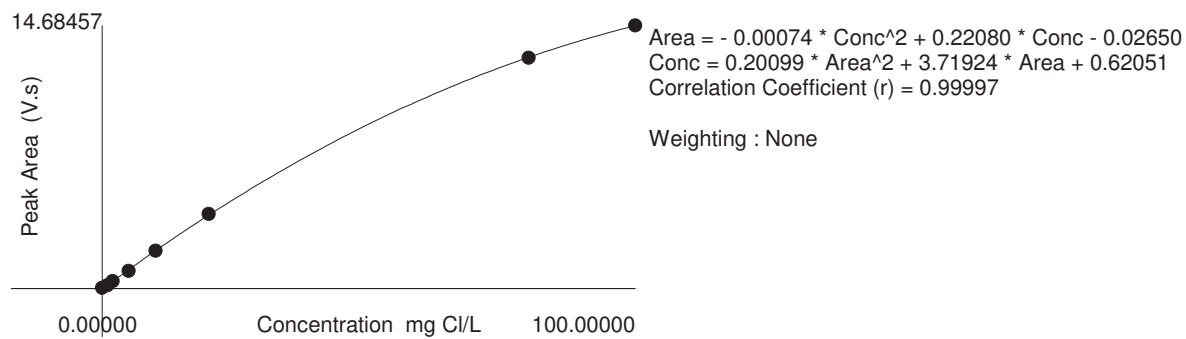


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.68457	1.85574	0.0	-0.1	98.57600	9/8/2025	3:17:17 PM
2	80.00000	1	12.88609	1.67847	0.0	0.2	81.92107	9/8/2025	3:18:02 PM
3	20.00000	1	4.14873	0.58349	0.0	-1.3	19.51000	9/8/2025	3:18:47 PM
4	10.00000	1	2.09940	0.30663	0.0	0.4	9.31454	9/8/2025	3:19:33 PM
5	5.00000	1	0.98113	0.14143	0.0	7.4	4.46305	9/8/2025	3:20:20 PM
6	2.00000	1	0.41519	0.05693	0.0	-0.7	2.19934	9/8/2025	3:21:06 PM
7	1.00000	1	0.17122	0.03101	0.0	11.5	1.26322	9/8/2025	3:21:54 PM
8	0.00000	1	0.03549	0.00358			0.75278	9/8/2025	3:22:38 PM

Figure : 1 (Chloride-CH3)



Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555281-05
 Matrix Spike : WG2112021-4
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/08/25 15:47
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Chloride	8.4	20	30.	108					58-140	7

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2112021-6
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/08/25 16:51
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Chloride	25.	20	45.	100					58-140	7

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/08/25 15:45
Dup Sample ID	: WG2112021-3	DUP Analysis Date	: 09/08/25 15:46

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chloride	8.4	8.5	1	7



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/08/25 15:51
Dup Sample ID	: WG2112021-5	DUP Analysis Date	: 09/08/25 15:52

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chloride	25.	26.	4	7



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112021-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/08/25 15:36
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Chloride	30.0	27.0	90.					90-110	7



Calculations of Chloride

Aqueous samples:

Compute sample Chloride concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (Chloride)

To compute the final results for aqueous samples, multiply the direct reading by the dilution factor. (also done using software)

$$\text{Cl mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

Project No. _____

Book No. _____

Confidential

TITLE CI- 090825 Jea

From Page No. _____

1	ICV 5	38	Wn 2112022-4 m	76	55888-09
2	30	39	55647-02	77	-10
3	80	40	-03	78	55910-03
4	ICB-	41	-04	79	-05
5	100 ppm 10x	42	-05		
6	Wn 2112021-1 Bk	43	-06		
7	-2 LC)	44	-07		
8	Wn 2112022-1 Bk	45	-08		
9	-2 CCS	46	-09		
10	Wn 2112024-1 Bk	47	-10		
11	-2 CCS	48	-11		
12	55196-01	49	-12		
13	-02	50	-13		
14	-03	51	-14		
15	-04	52	-15		
16	55281-01	53	-16		
17	-02	54	-17		
18	-03	55	-18		
19	-04	56	-19		
20	-05	57	-20		
21	Wn 2112021-3 Dup	58	55226-01		
22	-4 m)	59	Wn 2112024-3 Dup		
23	55281-06	60	-4 m)		
24	-07	61	55226-02		
25	-08 EB	62	55234-01		
26	55605-01	63	-04		
27	-02	64	55647-21		
28	Wn 2112021-5 Dup	65	-22		
29	-6 m)	66	-23		
30	55605-03	67	-24		
31	-04	68	55888-01		
32	-05	69	-02		
33	-06	70	-03		
34	-07	71	-04		
35	-08	72	-05		
36	55647-01	73	-06		
37	Wn 2112022-3 Dup	74	-07		
		75	-08		

To Page No. _____

Witnessed & Understood by me, _____

Date _____

Invented by: _____

Date _____

Recorded by: _____

Fluoride Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 05:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112172.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 05:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112172.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 05:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112172.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 05:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112172.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 05:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112172.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 05:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112172.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.02	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 05:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112172.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.04	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 05:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112172.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112172-1
Client ID : WG2112172-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2112172.csv
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/09/25 05:56
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	ND	0.20	0.01	U



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112172-3
Client ID : MW-8DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2112172.csv
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/09/25 05:56
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.04	0.20	0.02	J



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
FLUORIDE

Last Change 03/4/13

File Flouride.xlt

Sample Number: _____

Client: _____

Product: F-4500
Analysis Analyte: Fluoride,
Analysis Date: 9/9/2025 5:56
Technician: DTH
Work group: WG2112172
RL: 0.20 mg/L
Distillation Date: 9/9/2025 1:52

Analysis: FLUORIDE
Method: SM 4500F-BC
LCS Concentration (mg/l): 2
Spike Concentration (mg/l): 1

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve Slope y-intercept
0.2	-0.699	129.2	-0.699	0.1998	100	-59.6923636 87.45
0.5	-0.301	105.5	-0.302	0.4984	100	
1.0	0.000	87.3	0.003	1.0058	101	Correlation Coefficient
10	1.000	27.8	0.999	9.984	100	0.99999718

Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	Recovery
ICB	50	50		YES	1.00	0	1.00	0.00	98%
ICV	50	50		YES	1.00	0.981	1.00	0.98	
SAMP L2555281-07	50	50		YES	1.00	0.0559	1.00	0.06	
SAMP L2555281-08	50	50		YES	1.00	0.00651	1.00	0.01	
SAMP L2555524-01	50	50		YES	1.00	0.0759	1.00	0.08	
SAMP L2555524-02	50	50		YES	1.00	0.0683	1.00	0.07	
SAMP L2555524-03	50	50		YES	1.00	0.061	1.00	0.06	
SAMP L2555524-04	50	50		YES	1.00	0.198	1.00	0.20	
SAMP L2555524-05	50	50		YES	1.00	0.072	1.00	0.07	
SAMP L2555605-01	50	50		YES	1.00	0.0279	1.00	0.03	
SAMP L2555605-02	50	50		YES	1.00	0.0326	1.00	0.03	
SAMP L2555605-03	50	50		YES	1.00	0.0316	1.00	0.03	
SAMP L2555605-04	50	50		YES	1.00	0.0349	1.00	0.03	
SAMP L2555605-05	50	50		YES	1.00	0.0321	1.00	0.03	
SAMP L2555605-06	50	50		YES	1.00	0.0216	1.00	0.02	
SAMP L2555605-07	50	50		YES	1.00	0.0404	1.00	0.04	
SAMP L2555605-08	50	50		YES	1.00	0.0349	1.00	0.03	
CCV	50	50		YES	1.00	1.01	1.00	1.01	
CCB	50	50		YES	1.00	0	1.00	0.00	
CCV	50	50		YES	1.00	1.01	1.00	1.01	
CCB	50	50		YES	1.00	0	1.00	0.00	
LOQ2 WG2112172-5	50	50		YES	1.00	0.0894	1.00	0.09	
BLANK WG2112172-1	50	50		YES	1.00	0	1.00	0.00	
DUP WG2112172-3	50	50		YES	1.00	0.0411	1.00	0.04	L2555605-02
Sample number	sample volume	Distill volume (ml)	Flask	Reagent	Sample Result mg/l	Meter Reading	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS WG2112172-4	50	50		YES	.03	0.898	1	0.90	87
LCS WG2112172-2	50	50		YES		1.77	2	1.77	89

last sample

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2112172-4
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/09/25 05:56
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Fluoride	0.03J	1	0.90	90					69-124	13

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/09/25 05:56
Dup Sample ID	: WG2112172-3	DUP Analysis Date	: 09/09/25 05:56

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.03J	0.04J	NC	13

Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112172-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/09/25 05:56
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Fluoride	2.00	1.80	88.					78-120	13

Calculations of Fluoride

When the volume of the distillate is the same as the volume of the sample used, the direct determination of Fluoride concentration is the instrument's result.

However, when analyzing soil samples or high level samples requiring a dilution, the following equations apply:

For liquids:

$$\text{Fluoride, mg/L} = (\text{mg F-/L}) \times (\text{Volume of Distillate, mL}) / \text{Volume of Sample, mL}$$

For solids:

$$\text{Fluoride, mg/Kg} = (\text{mg F-/L}) \times (\text{Volume of Distillate, mL}) / \text{Weight of Sample, gm}$$

To calculate final result for soil samples based on dry weight, multiply final result on 100 and divide on %TS (in %)

Sample Preparation

TITLE

PROJECT

Continued from Page

WG2112172



Analyst: DJH

Date & Time: 09/09/25 05:56

ICV:F 06152025 - 100 ppm

LCS:F 06152025 - 100 ppm

Spike:F 06152025 - 100 ppm

Curve: WC- 3575

TISAB III: R- 4367

5

STD	MV
0.2	129.2
0.5	105.5
1.0	87.3
10.0	27.8

10

15

20

25

30

35

Sample	Volume	Final Volume	Meter
ICV	50 mL	50 mL	0.981
ICB			0.0
Blank			0.0
LCS			1.77
LOQ2			0.0894
55281-01			0.0559
-02			0.00651
55524-01			0.0759
-02			0.0683
-03			0.0610
-04			0.198
-05			0.0720
CCV			1.01
CCB			0.0
55605-01			0.0279
-02			0.0326
-03			0.0411
-04			0.996
-05			0.0316
-06			0.0349
-07			0.0321
-08			0.0216
-09			0.0404
-10			0.0349
CCV			1.01
CCB			0.0

Continued from Page

SIGNATURE

DATE

DISCLOSED TO AND UNDERSTOOD BY

DATE

PROPRIETARY INFORMATION

TITLE _____

From Page No. _____

Tube	Sample	Volume	Final Volume	Block	Comments
1	Prep	50mL	0 mL	Pheno #2	DTH 9/08/2005 21:48
2					
9					
10					
11					
12					
13					
14					
15					
16					
17				Fluor #1	
18					
19					
20					
1	Blank	50mL	50mL	Pheno #2	DTH 9/09/05 01:52
2	LCS				1.0mL F00152025-100ppm
3	LO28				0.05mL F00152025-100ppm
4	55281-01				
5	-08				
6	55524-01				
7	-02				
8	-03				
9	-04				
10	-05				
11	55605-01			Fluor #1	
12	-02				
13	-Dup 02				
14	-ms 02				0.5mL F00152025-100ppm
15	-03				
16	-04				
17	-05				
18	-06				
19	-07				
20	-08				

To Page No. _____

Witnessed & Understood by me, _____

Date _____

Invented by: _____

Date _____

Recorded by: _____

Phosphates Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 07:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS09125-WG2114645.csv	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.058	0.031	0.012	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 07:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS09125-WG2114645.csv	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.015	0.031	0.012	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 07:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS09125-WG2114645.csv	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.114	0.031	0.012	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 07:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS09125-WG2114645.csv	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.083	0.031	0.012	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 07:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS09125-WG2114645.csv	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	ND	0.031	0.012	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 07:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS09125-WG2114645.csv	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.015	0.031	0.012	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 07:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS09125-WG2114645.csv	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.018	0.031	0.012	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 07:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS09125-WG2114645.csv	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.052	0.031	0.012	



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2114645-1
 Client ID : WG2114645-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,4500P-E(M)
 Lab File ID : PHOS09125-WG2114645.csv
 Sample Amount :
 Digestion Method :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/15/25 06:53
 Dilution Factor : 1
 Analyst : EYA
 Instrument ID : SEAL2
 %Solids : N/A
 Date Digested : 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	ND	0.031	0.012	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2114645-3
Client ID : WG2114645-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500P-E(M)
Lab File ID : PHOS09125-WG2114645.csv
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/03/25 09:20
Date Received : 09/03/25
Date Analyzed : 09/15/25 07:06
Dilution Factor : 1
Analyst : EYA
Instrument ID : SEAL2
%Solids : N/A
Date Digested : 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	ND	0.031	0.012	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2114645-5
Client ID : MW-8DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500P-E(M)
Lab File ID : PHOS09125-WG2114645.csv
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/15/25 07:13
Dilution Factor : 1
Analyst : EYA
Instrument ID : SEAL2
%Solids : N/A
Date Digested : 09/14/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.012	0.031	0.012	J



Sample Raw Data

AQ2 Tray Report



Software version : 2.4.5
 Report requested by : EAsamoah
 Date \ Time : 15-Sep-2025 11:41:06
 Tray number : 1
 Tray name : WG2114645

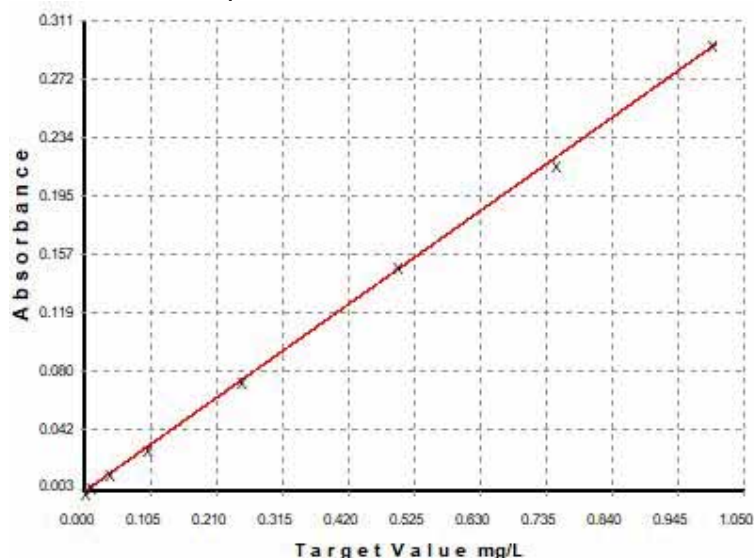
T-Phos 1

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S1	0.0031	-0.000	0.000	
S90	0.0065	0.012	0.010	16.61
S91	0.0150	0.041	0.040	2.22
S92	0.0316	0.098	0.100	-2.04
S93	0.0758	0.250	0.250	-0.05
S94	0.1503	0.506	0.500	1.28
S95	0.2168	0.735	0.750	-1.98
S96	0.2961	1.008	1.000	0.81
S0	0.0028	-0.001	0.000	

Polynomial Order : 1
 Correlation Coefficient : 0.9998
 Carryover(%) : -0.1
 Calibration equation: $y = bx + a$
 y =: Concentration mg/L
 x =: Measured absorbance
 a =: -1.082943E-02
 b =: 3.441184E+00
 Date & Time : 15-Sep-2025 06:50:40

Calibration Graph



Reagents

Reagent Name	Batch Number	Operator	Expiry Date
TP Working Color	TP Color-09142025	MEF	29-Sep-2025 00:00:00
TP Ascorbic	TP Ascorbic-09142025	MEF	21-Sep-2025 00:00:00

Test Results

Cup Type	ID	Sample Details	Result	Units	QC Pro	Raw Data	Auto Dil.	Man Dil.	User	Time & Date
S1	Standard 1		0.003			0.003127			EYA	15-Sep-2025 06:42:53
S90	Standard 90		0.007			0.006536			EYA	15-Sep-2025 06:43:52
S91	Standard 91		0.015			0.015029			EYA	15-Sep-2025 06:44:50
S92	Standard 92		0.032			0.031613			EYA	15-Sep-2025 06:45:48
S93	Standard 93		0.076			0.075764			EYA	15-Sep-2025 06:46:46
S94	Standard 94		0.150			0.150309			EYA	15-Sep-2025 06:47:44
S95	Standard 95		0.217			0.216782			EYA	15-Sep-2025 06:48:43
S96	Standard 96		0.296			0.296100			EYA	15-Sep-2025 06:49:41
S0	Standard 0		0.003			0.002751			EYA	15-Sep-2025 06:50:40
2	ICV	ICV 14-SEP-2025 15-45	0.505	mg/L		0.149776			EYA	15-Sep-2025 06:51:39
3	ICB	ICB 14-SEP-2025 15-45	-0.004	mg/L		0.001960			EYA	15-Sep-2025 06:52:40
4	U1	WG2114645-10 14-SEP-2025 15-45	-0.002	ELL mg/L		0.002560			EYA	15-Sep-2025 06:53:40
5	U2	WG2114645-20 14-SEP-2025 15-45	0.513	mg/L		0.152174			EYA	15-Sep-2025 06:54:39
6	U3	L2554996-01O 14-SEP-2025 15-45	0.009	mg/L		0.005757			EYA	15-Sep-2025 06:55:38
7	U4	L2554996-02O 14-SEP-2025 15-45	0.047	mg/L		0.016705			EYA	15-Sep-2025 06:56:37
8	U5	L2554996-03O 14-SEP-2025 15-45	0.045	mg/L		0.016134			EYA	15-Sep-2025 06:57:36
9	U6	L2554996-04O 14-SEP-2025 15-45	-0.002	ELL mg/L		0.002428			EYA	15-Sep-2025 06:58:35
10	U7	L2555281-01O 14-SEP-2025 15-45	0.027	mg/L		0.011044			EYA	15-Sep-2025 06:59:34
11	U8	L2555281-02O 14-SEP-2025 15-45	0.027	mg/L		0.011100			EYA	15-Sep-2025 07:00:33

12	U9	L2555281-03O	14-SEP-2025 15-45	0.021	mg/L	0.009190	EYA	15-Sep-2025 07:01:32
13	U10	L2555281-04O	14-SEP-2025 15-45	0.003	mg/L	0.003973	EYA	15-Sep-2025 07:02:31
	CCV	CCV		0.479	mg/L	0.142232	EYA	15-Sep-2025 07:03:29
	CCB	CCB		-0.004	mg/L	0.002041	EYA	15-Sep-2025 07:04:30
14	U11	L2555281-05O	14-SEP-2025 15-45	-0.000	ELL mg/L	0.003040	EYA	15-Sep-2025 07:05:31
15	U12	WG2114645-3O	14-SEP-2025 15-45	-0.001	ELL mg/L	0.002838	EYA	15-Sep-2025 07:06:30
16	U13	WG2114645-4O	14-SEP-2025 15-45	0.481	mg/L	0.143013	EYA	15-Sep-2025 07:07:28
17	U14	L2555281-06O	14-SEP-2025 15-45	0.055	mg/L	0.019106	EYA	15-Sep-2025 07:08:26
18	U15	L2555281-07O	14-SEP-2025 15-45	0.009	mg/L	0.005651	EYA	15-Sep-2025 07:09:24
19	U16	L2555281-08O	14-SEP-2025 15-45	-0.003	ELL mg/L	0.002237	EYA	15-Sep-2025 07:10:22
20	U17	L2555605-01O	14-SEP-2025 15-45	0.019	mg/L	0.008563	EYA	15-Sep-2025 07:11:20
21	U18	L2555605-02O	14-SEP-2025 15-45	0.005	mg/L	0.004597	EYA	15-Sep-2025 07:12:21
22	U19	WG2114645-5O	14-SEP-2025 15-45	0.004	mg/L	0.004281	EYA	15-Sep-2025 07:13:22
23	U20	WG2114645-6O	14-SEP-2025 15-45	0.491	mg/L	0.145708	EYA	15-Sep-2025 07:13:54
	CCV	CCV		0.459	mg/L	0.136542	EYA	15-Sep-2025 07:14:52
	CCB	CCB		-0.002	mg/L	0.002680	EYA	15-Sep-2025 07:15:43
24	U21	L2555605-03O	14-SEP-2025 15-45	0.037	mg/L	0.013806	EYA	15-Sep-2025 07:16:35
25	U22	L2555605-04O	14-SEP-2025 15-45	0.027	mg/L	0.010988	EYA	15-Sep-2025 07:17:26
26	U23	L2555605-05O	14-SEP-2025 15-45	0.001	mg/L	0.003463	EYA	15-Sep-2025 07:18:17
27	U24	L2555605-06O	14-SEP-2025 15-45	0.005	mg/L	0.004708	EYA	15-Sep-2025 07:19:08
28	U25	L2555605-07O	14-SEP-2025 15-45	0.006	mg/L	0.004836	EYA	15-Sep-2025 07:20:00
29	U26	L2555605-08O	14-SEP-2025 15-45	0.017	mg/L	0.008119	EYA	15-Sep-2025 07:20:51
	CCV	CCV		0.467	mg/L	0.138938	EYA	15-Sep-2025 08:02:32
	CCV	CCV		0.444	mg/L	0.132239	EYA	15-Sep-2025 07:21:42
	CCB	CCB		-0.002	mg/L	0.002464	EYA	15-Sep-2025 07:22:34
	CCV	CCV		0.488	mg/L	0.145012	EYA	15-Sep-2025 08:00:49
	CCB	CCB		-0.003	mg/L	0.002329	EYA	15-Sep-2025 08:01:40
	CCV	CCV		0.490	mg/L	0.145423	EYA	15-Sep-2025 08:03:23
	CCB	CCB		-0.002	mg/L	0.002543	EYA	15-Sep-2025 08:04:15

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555281-05
 Matrix Spike : WG2114645-4
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/15/25 07:07
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Phosphate, Total	ND	1.53	1.48	97					80-120	15

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2114645-6
 Matrix Spike Dup :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/15/25 07:13
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Phosphate, Total	0.015J	1.53	1.51	99					80-120	15

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/15/25 07:05
Dup Sample ID	: WG2114645-3	DUP Analysis Date	: 09/15/25 07:06

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Phosphate, Total	ND	ND	NC	15



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-8D	Matrix	: WATER
Lab Sample ID	: L2555605-02	Analysis Date	: 09/15/25 07:12
Dup Sample ID	: WG2114645-5	DUP Analysis Date	: 09/15/25 07:13

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Phosphate, Total	0.015J	0.012J	NC	15

Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2114645-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/15/25 06:54
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Phosphate, Total	1.53	1.57	103.					84-118	15

Calculations of TPhosphorus

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve. All calculations are done by SEAL (segment flow spectrometer).

$$\text{Mg TPhosphorus/L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Total Suspended Solids Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	37.	6.5	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 2.7
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	14	NA	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	7.3	6.5	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	6.5	NA	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 1.2
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	6.0	NA	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	6.5	NA	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 1.2
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	6.0	NA	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 1.1
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	5.5	NA	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112649-1
Client ID : WG2112649-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540D
Lab File ID : WG2112649.pdf
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/09/25 20:30
Dilution Factor : 1
Analyst : REM
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	5.0	NA	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112649-3
Client ID : WG2112649-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540D
Lab File ID : WG2112649.pdf
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:00
Date Received : 09/04/25
Date Analyzed : 09/09/25 20:30
Dilution Factor : 4
Analyst : REM
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	120	20	NA	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112649-4
Client ID : WG2112649-4 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540D
Lab File ID : WG2112649.pdf
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : 09/05/25 08:15
Date Received : 09/05/25
Date Analyzed : 09/09/25 20:30
Dilution Factor : 1
Analyst : REM
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	5.0	NA	U



Sample Raw Data

Page 3275 of 3621

WorkGroup	WG2112649		Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105	Temp In (C)		105
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Quality Control

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/09/25 20:30
Dup Sample ID	: WG2112649-3	DUP Analysis Date	: 09/09/25 20:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Suspended	130	120	8	32



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/09/25 20:30
Dup Sample ID	: WG2112649-4	DUP Analysis Date	: 09/09/25 20:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Suspended	ND	ND	NC	32

Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112649-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/09/25 20:30
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Solids, Total Suspended	237.	210.	89.					80-120	32



Calculations of TSS

$$\text{mgTSS/L} = \frac{(A - B) \times 1000}{\text{Sample volume, (L)}}$$

Where:

A = Final weight (weight of filter + dried residue, g)

B = Initial weight (weight of clean filter, g)

Wet Chemistry
By
IC Methods

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-01	Date Collected	: 09/04/25 09:38
Client ID	: MW-8S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2112519-604-713	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.049	0.050	0.013	J



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-02	Date Collected	: 09/04/25 08:45
Client ID	: MW-8D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2112519-604-713	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.029	0.050	0.013	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-03	Date Collected	: 09/04/25 10:50
Client ID	: MW-5D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2112519-604-713	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.038	0.050	0.013	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-04	Date Collected	: 09/04/25 11:00
Client ID	: PZ-5	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 13:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2112519-604-713	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-05	Date Collected	: 09/04/25 12:12
Client ID	: MW-12D	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 14:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2112519-604-713	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.045	0.050	0.013	J



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-06	Date Collected	: 09/04/25 12:15
Client ID	: MW-12S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 14:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2112519-604-713	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.029	0.050	0.013	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-07	Date Collected	: 09/04/25 13:30
Client ID	: MW-4S	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 14:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2112519-604-713	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.026	0.050	0.013	J



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555605
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555605-08	Date Collected	: 09/04/25 13:40
Client ID	: MW-4D2	Date Received	: 09/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 14:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2112519-604-713	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.032	0.050	0.013	J

Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112519-1
Client ID : WG2112519-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2112519-604-713
Sample Amount :
Digestion Method :

Lab Number : L2555605
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/09/25 12:37
Dilution Factor : 1
Analyst : CVN,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U

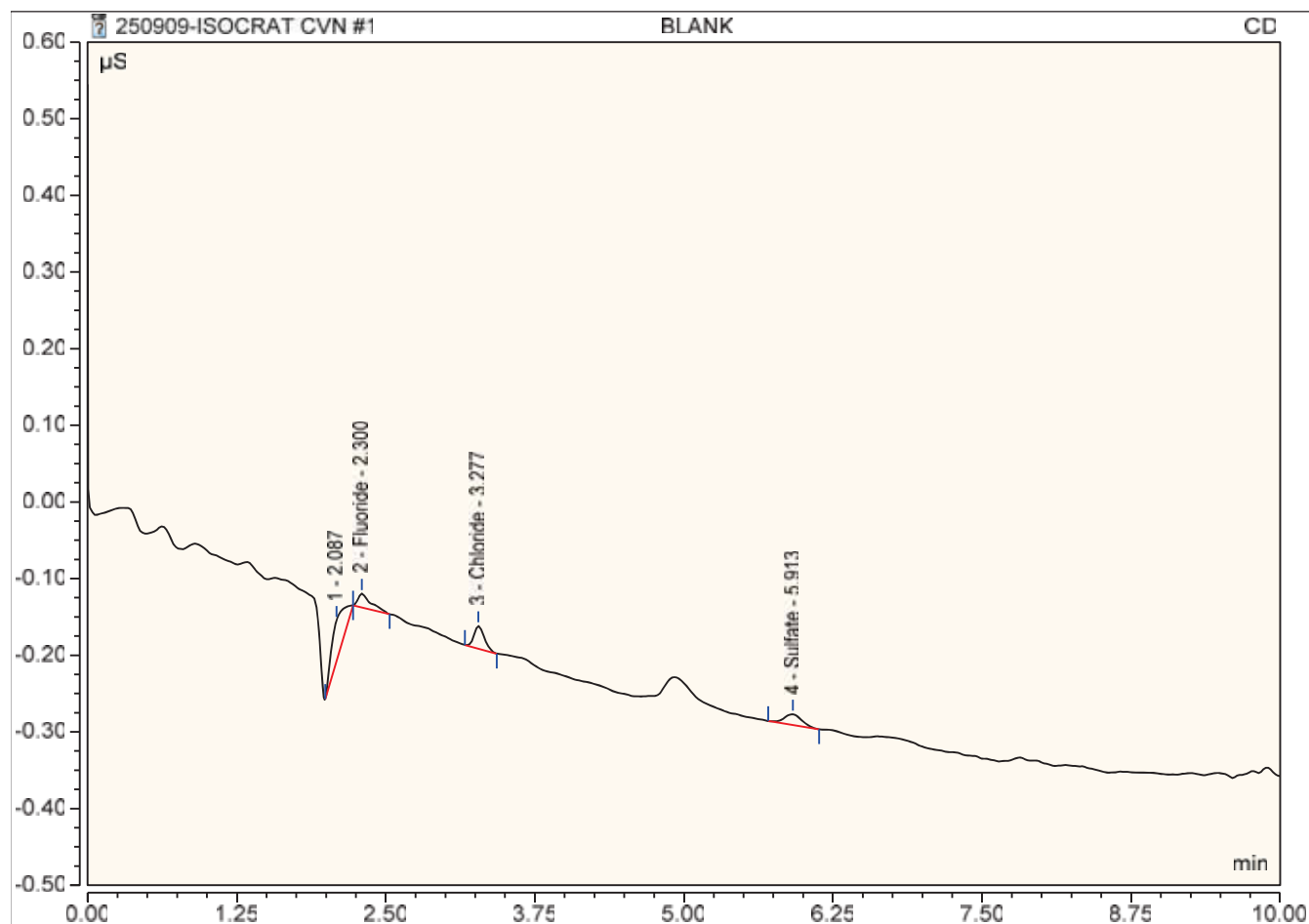


Sample Raw Data

Peak Integration Report

Sample Name:	BLANK	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 15:05	Run Time:	10.00

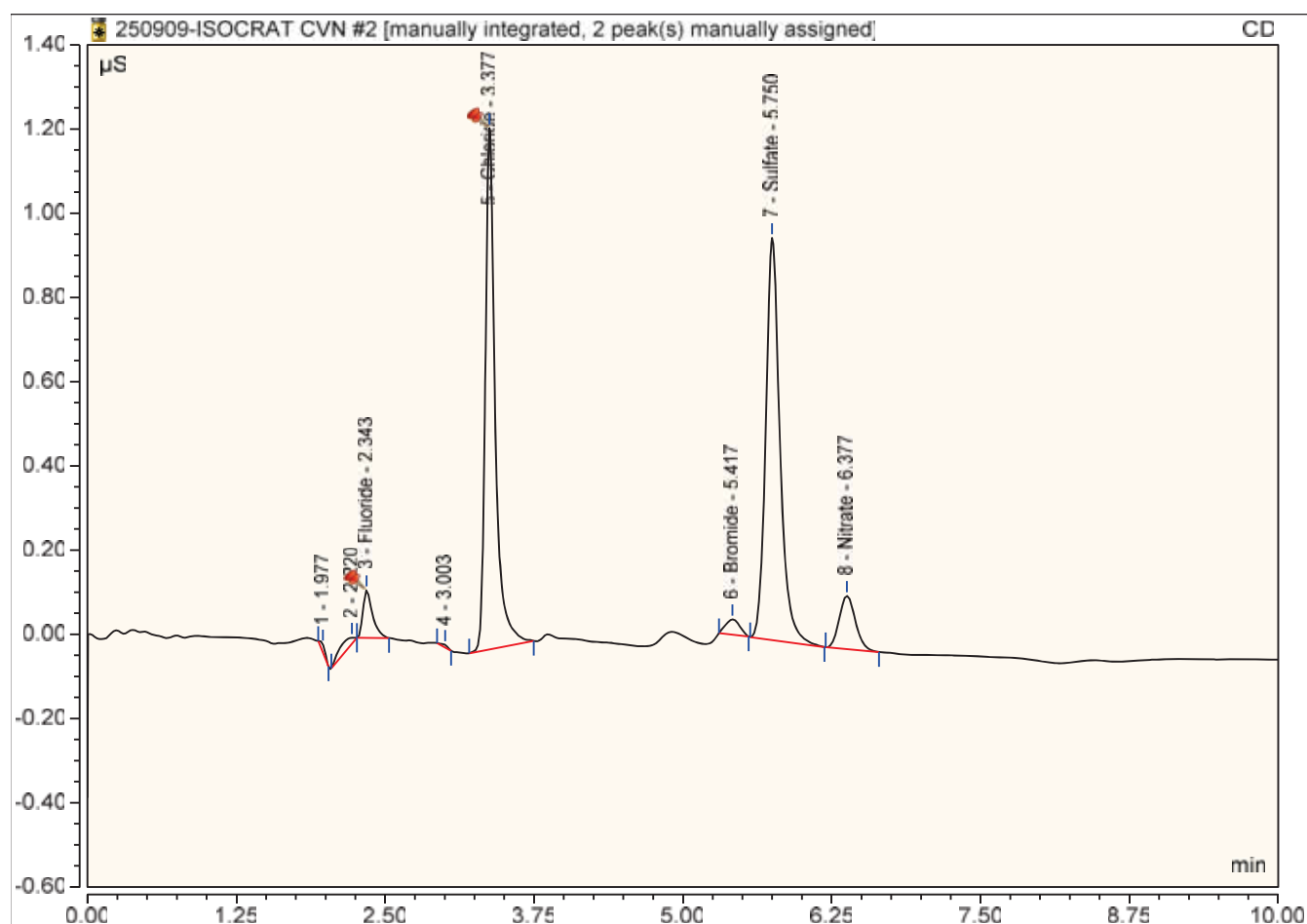
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.002	0.018	0.0274
3	3.28	Chloride	BMB	0.003	0.030	0.0814
4	5.91	Sulfate	BMB	0.002	0.014	0.2597
TOTAL:				0.01	0.06	0.37



Peak Integration Report

Sample Name:	STD 0.5	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 15:17	Run Time:	10.00

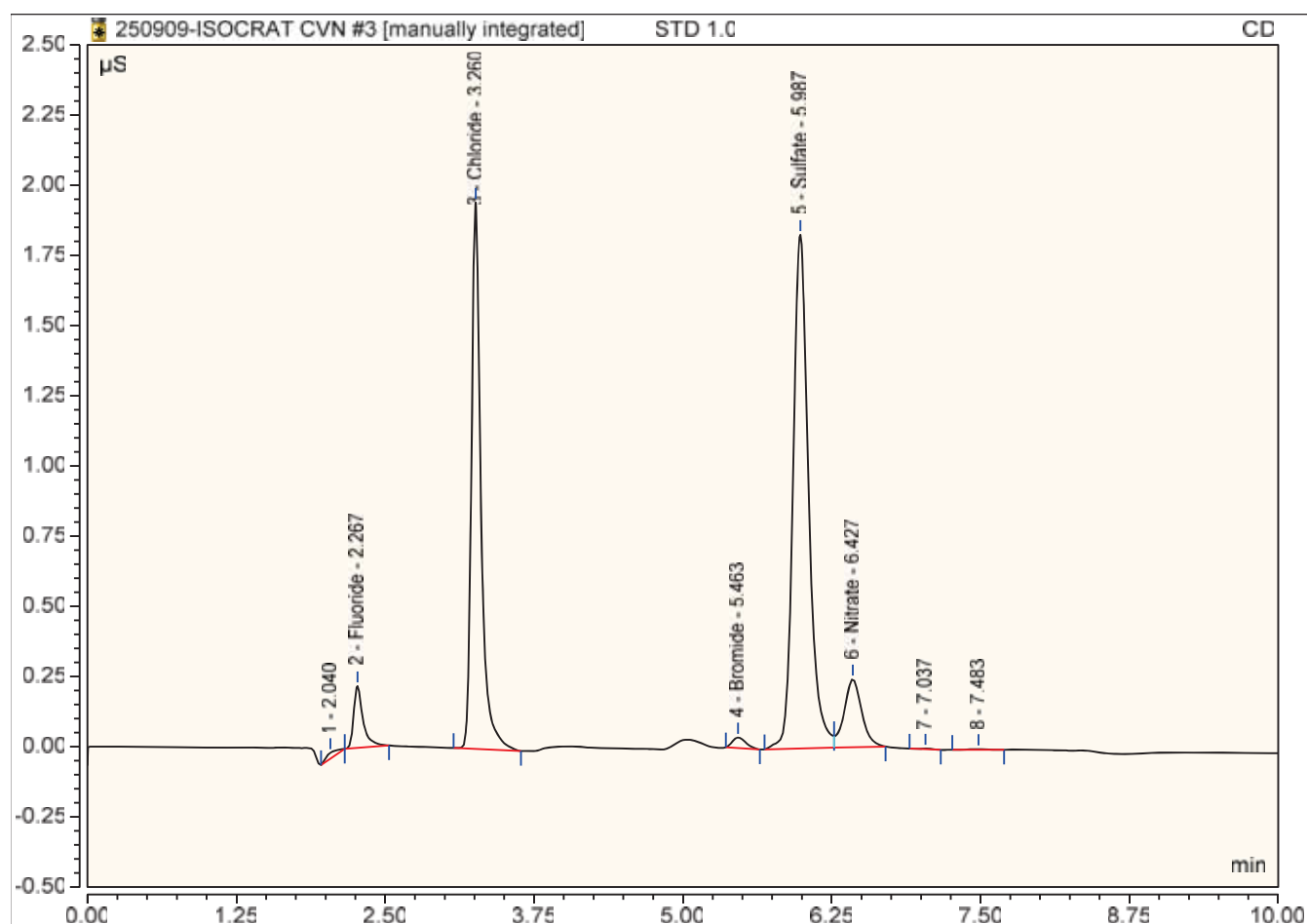
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	2.34	Fluoride	BMB^	0.011	0.114	0.0407
5	3.38	Chloride	BMB^	0.120	1.238	0.3557
6	5.42	Bromide	BMB*	0.005	0.036	0.0594
7	5.75	Sulfate	BMB	0.132	0.955	0.6728
8	6.38	Nitrate	BMB	0.020	0.127	0.0482
TOTAL:				0.29	2.47	1.18



Peak Integration Report

Sample Name:	STD 1.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 15:29	Run Time:	10.00

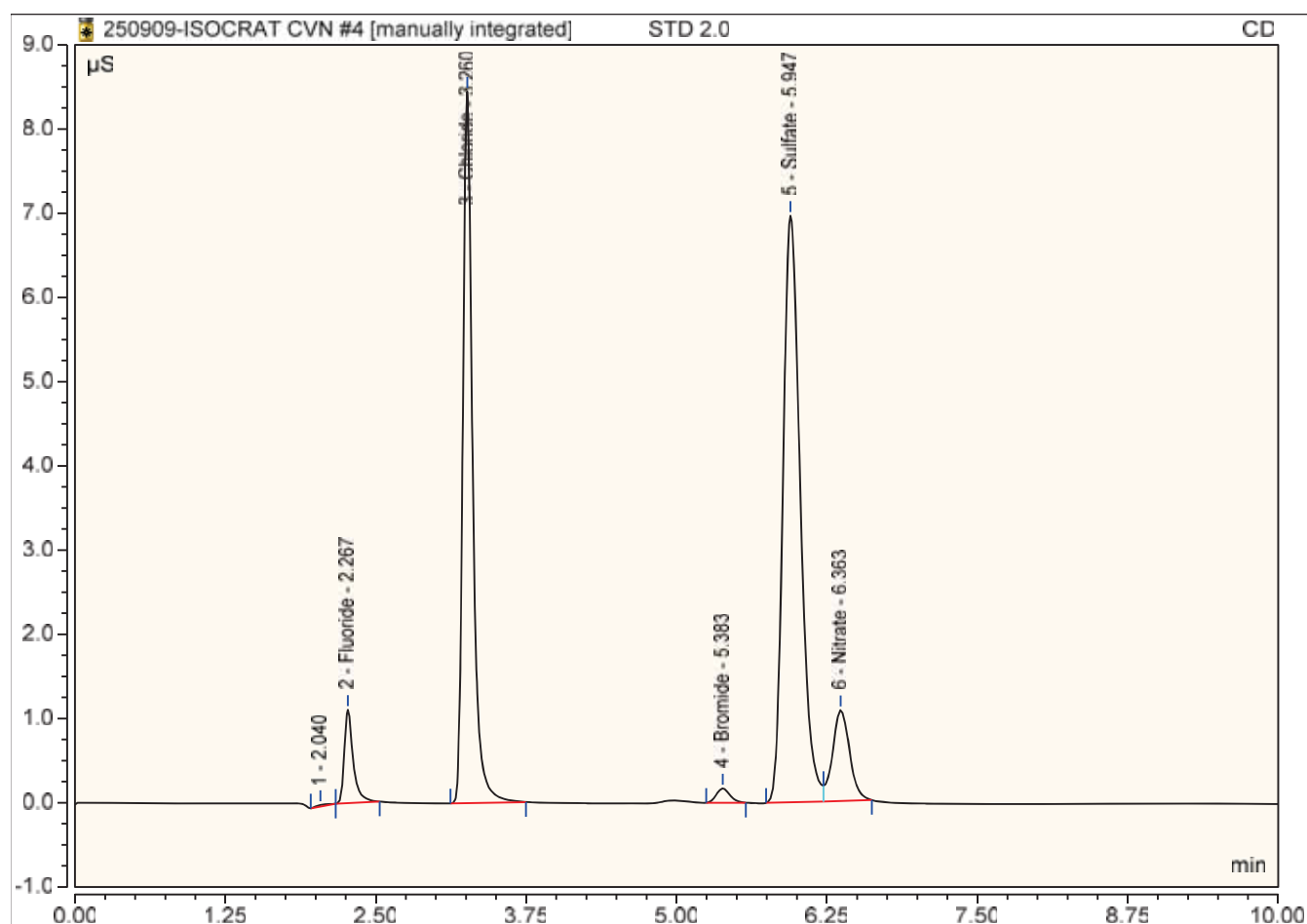
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.020	0.220	0.0560
3	3.26	Chloride	BMB	0.182	1.946	0.5029
4	5.46	Bromide	BMB	0.005	0.038	0.0590
5	5.99	Sulfate	BM *	0.277	1.830	1.1347
6	6.43	Nitrate	MB*	0.041	0.242	0.0681
TOTAL:				0.53	4.28	1.82



Peak Integration Report

Sample Name:	STD 2.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 15:41	Run Time:	10.00

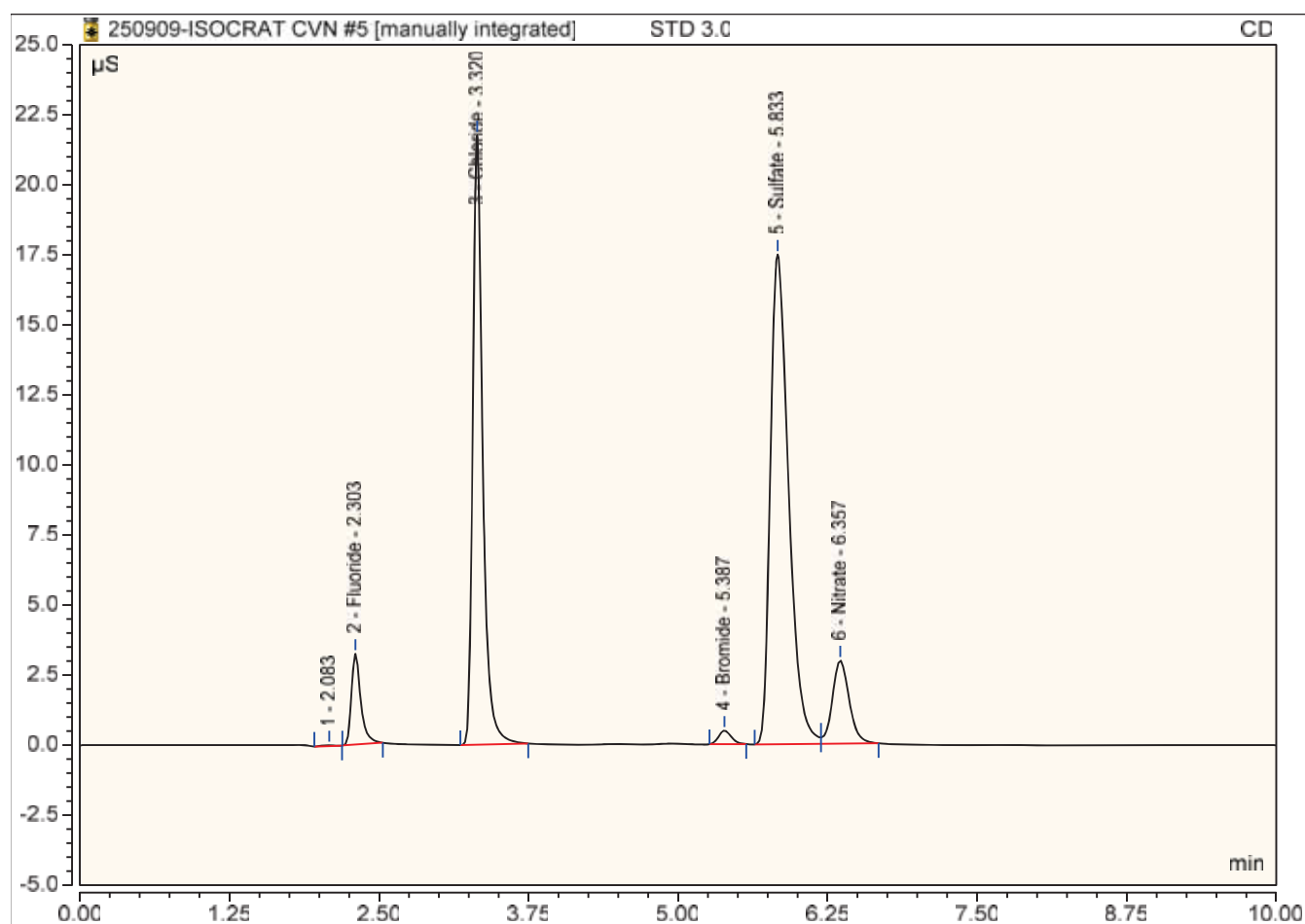
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.095	1.108	0.1767
3	3.26	Chloride	BMB	0.797	8.449	1.9498
4	5.38	Bromide	BMB*	0.022	0.170	0.1848
5	5.95	Sulfate	BM *	1.161	6.965	3.9584
6	6.36	Nitrate	MB*	0.178	1.079	0.1932
TOTAL:				2.25	17.77	6.46



Peak Integration Report

Sample Name:	STD 3.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 15:53	Run Time:	10.00

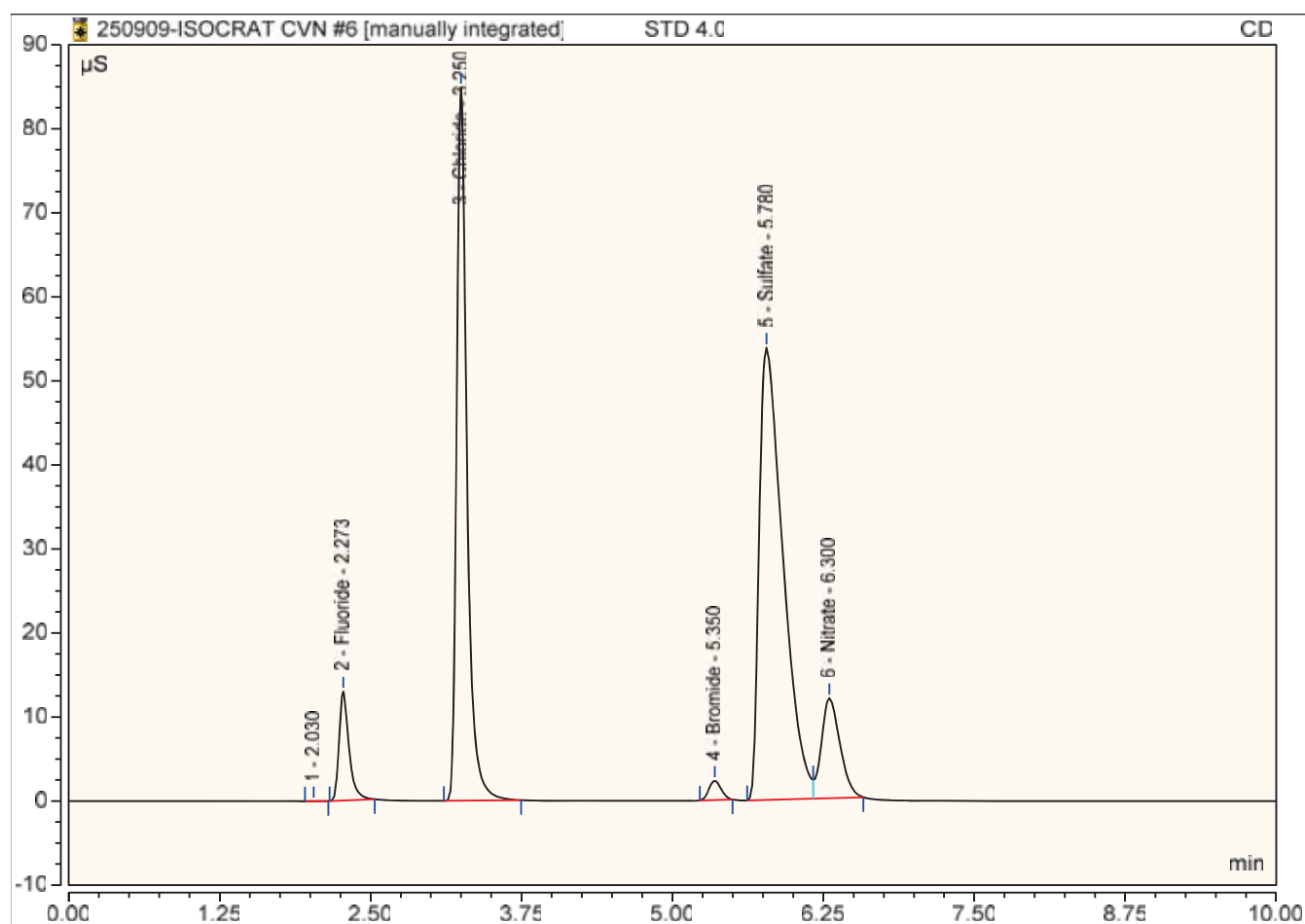
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.293	3.241	0.4950
3	3.32	Chloride	BMB	2.094	21.742	5.0034
4	5.39	Bromide	BMB*	0.060	0.481	0.4612
5	5.83	Sulfate	BM *	3.087	17.470	10.1044
6	6.36	Nitrate	MB*	0.483	2.965	0.4740
TOTAL:				6.02	45.90	16.54



Peak Integration Report

Sample Name:	STD 4.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 16:05	Run Time:	10.00

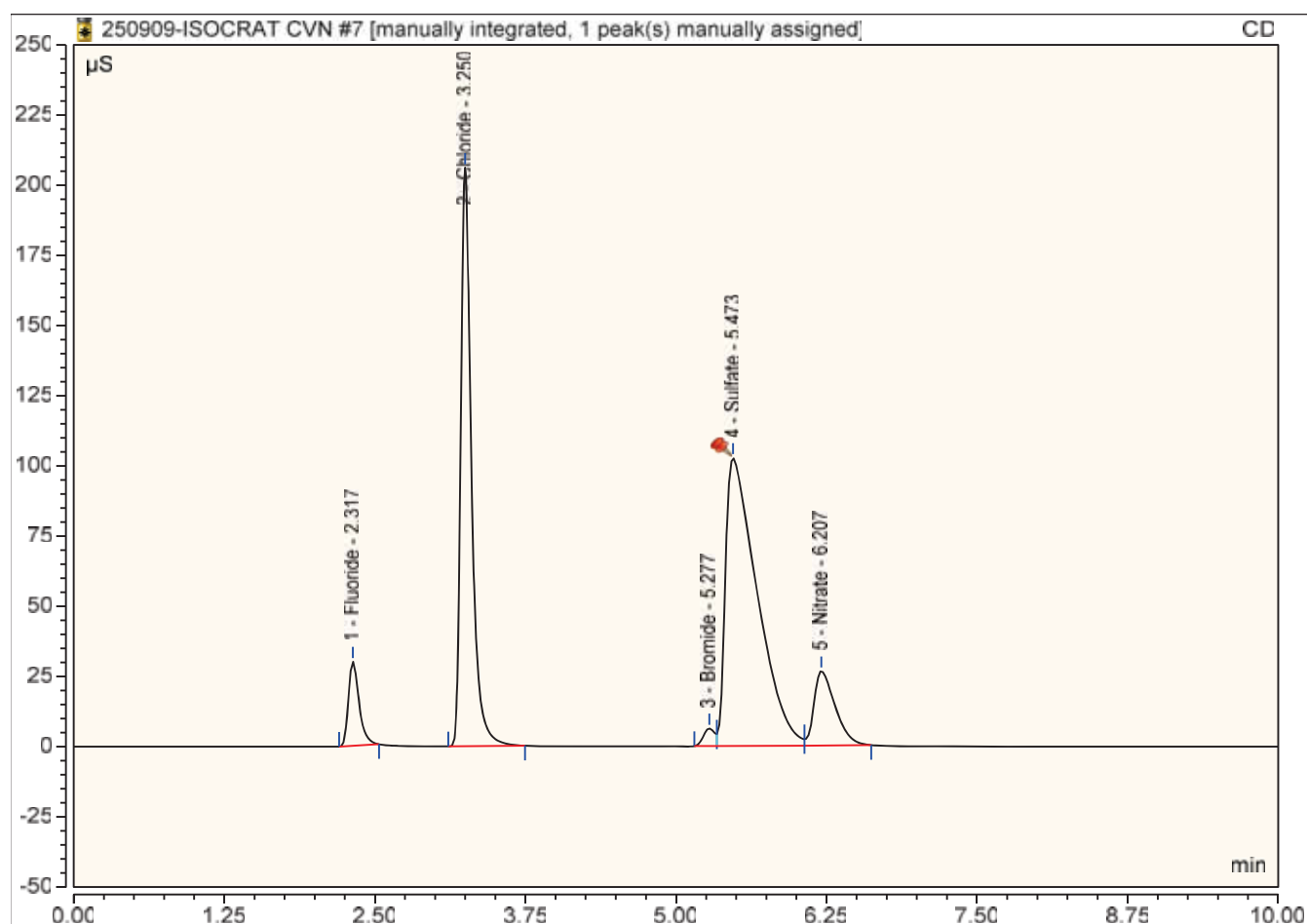
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	1.233	12.986	2.0088
3	3.25	Chloride	BMB	8.422	84.885	19.8951
4	5.35	Bromide	BMB*	0.270	2.299	2.0106
5	5.78	Sulfate	BM *	12.265	53.790	39.4012
6	6.30	Nitrate	MB*	2.124	11.894	1.9817
TOTAL:				24.31	165.85	65.30



Peak Integration Report

Sample Name:	STD 5.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 16:17	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.32	Fluoride	BMB	3.089	29.965	4.9978
2	3.25	Chloride	BMB	21.232	206.030	50.0431
3	5.28	Bromide	BM *	0.685	6.312	5.0625
4	5.47	Sulfate	M *^	31.322	102.630	100.2286
5	6.21	Nitrate	MB*	5.419	26.535	5.0099
TOTAL:				61.75	371.47	165.34

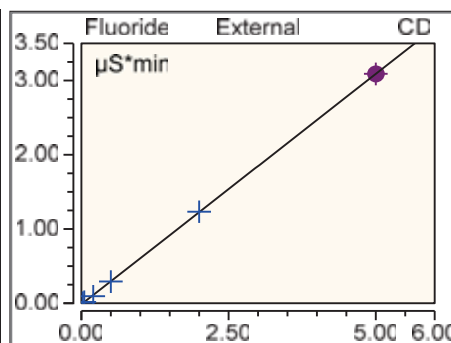


Calibration Batch Report

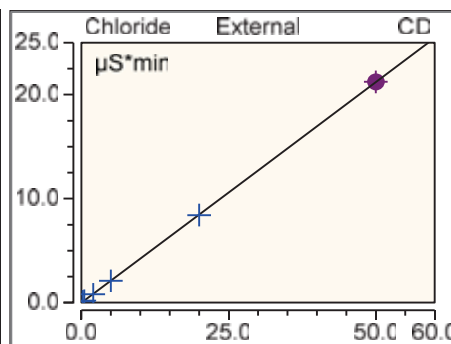
Sequence:	250909-ISOCRAT CVN	Injection Volume:	25.00
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 16:17	Run Time:	10

Calibration Summary							
Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	in, WithOffset	6.000	-0.015	0.621	0.000	99.9951
Chloride	Area	in, WithOffset	6.000	-0.032	0.425	0.000	99.9986
Bromide	Area	in, WithOffset	5.000	-0.003	0.136	0.000	99.8871
Sulfate	Area	in, WithOffset	6.000	-0.079	0.313	0.000	99.9939
Nitrate	Area	in, WithOffset	6.000	-0.033	1.088	0.000	99.9895
AVERAGE:				-0.0322	0.5167	0.0000	99.9728

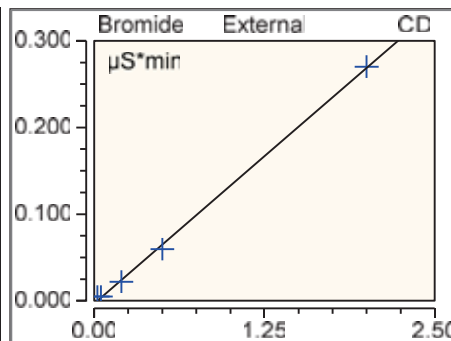
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Fluoride 2.343	Fluoride 0.0106	Fluoride 0.114	Fluoride 0.041
STD 1.0	2.267	0.0201	0.220	0.056
STD 2.0	2.267	0.0951	1.108	0.177
STD 3.0	2.303	0.2927	3.241	0.495
STD 4.0	2.273	1.2327	12.986	2.009
STD 5.0	2.317	3.0887	29.965	4.998
Average	2.295			
Rel. Std. Dev.	1.371 %			



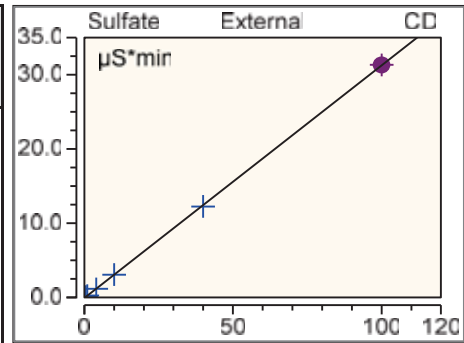
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Chloride 3.377	Chloride 0.1196	Chloride 1.238	Chloride 0.356
STD 1.0	3.260	0.1821	1.946	0.503
STD 2.0	3.260	0.7969	8.449	1.950
STD 3.0	3.320	2.0943	21.742	5.003
STD 4.0	3.250	8.4219	84.885	19.895
STD 5.0	3.250	21.2318	206.030	50.043
Average	3.286			
Rel. Std. Dev.	1.571 %			



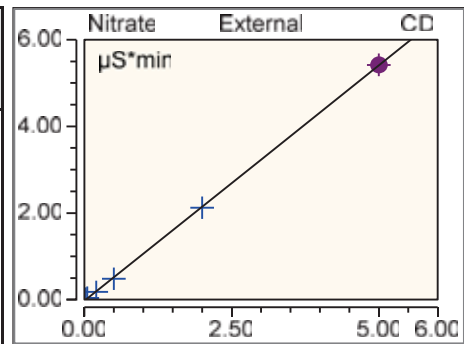
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Bromide 5.417	Bromide 0.0050	Bromide 0.036	Bromide 0.059
STD 1.0	5.463	0.0049	0.038	0.059
STD 2.0	5.383	0.0220	0.170	0.185
STD 3.0	5.387	0.0596	0.481	0.461
STD 4.0	5.350	0.2702	2.299	2.011
STD 5.0	5.277	0.6851	6.312	5.063
Average	5.379			
Rel. Std. Dev.	1.173 %			



Injection Name	Ret. Time min CD	Area $\mu\text{S} \cdot \text{min}$ CD	Height μS CD	Amount CD
STD 0.5	Sulfate 5.750	Sulfate 0.1318	Sulfate 0.955	Sulfate 0.673
STD 1.0	5.987	0.2765	1.830	1.135
STD 2.0	5.947	1.1612	6.965	3.958
STD 3.0	5.833	3.0867	17.470	10.104
STD 4.0	5.780	12.2653	53.790	39.401
STD 5.0	5.473	31.3224	102.630	100.229
Average	5.795			
Rel. Std. Dev.	3.153 %			



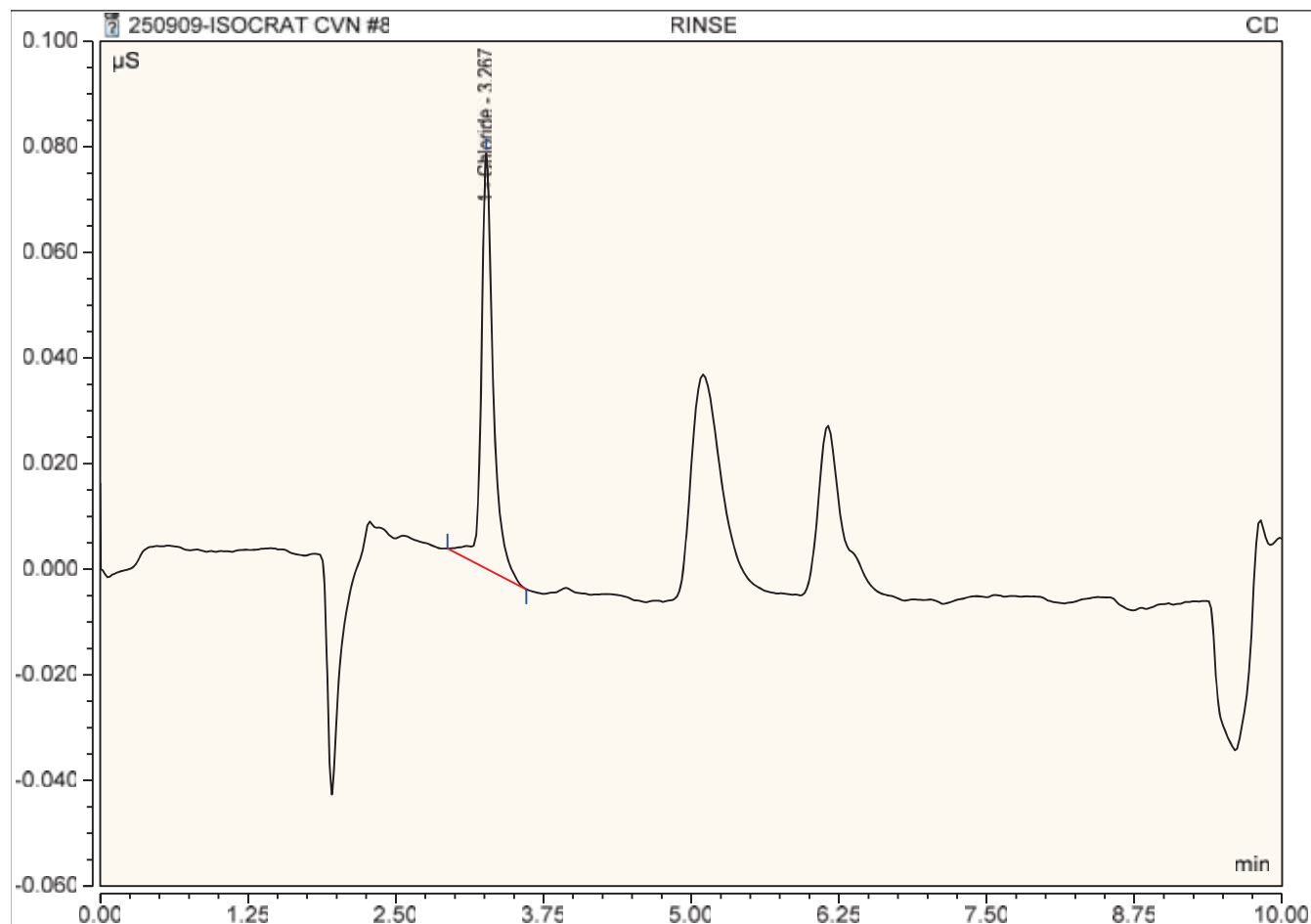
Injection Name	Ret. Time min CD	Area $\mu\text{S} \cdot \text{min}$ CD	Height μS CD	Amount CD
STD 0.5	Nitrate 6.377	Nitrate 0.0199	Nitrate 0.127	Nitrate 0.048
STD 1.0	6.427	0.0415	0.242	0.068
STD 2.0	6.363	0.1777	1.079	0.193
STD 3.0	6.357	0.4832	2.965	0.474
STD 4.0	6.300	2.1239	11.894	1.982
STD 5.0	6.207	5.4192	26.535	5.010
Average	6.338			
Rel. Std. Dev.	1.202 %			



Peak Integration Report

Sample Name:	RINSE	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 11:36	Run Time:	10.00

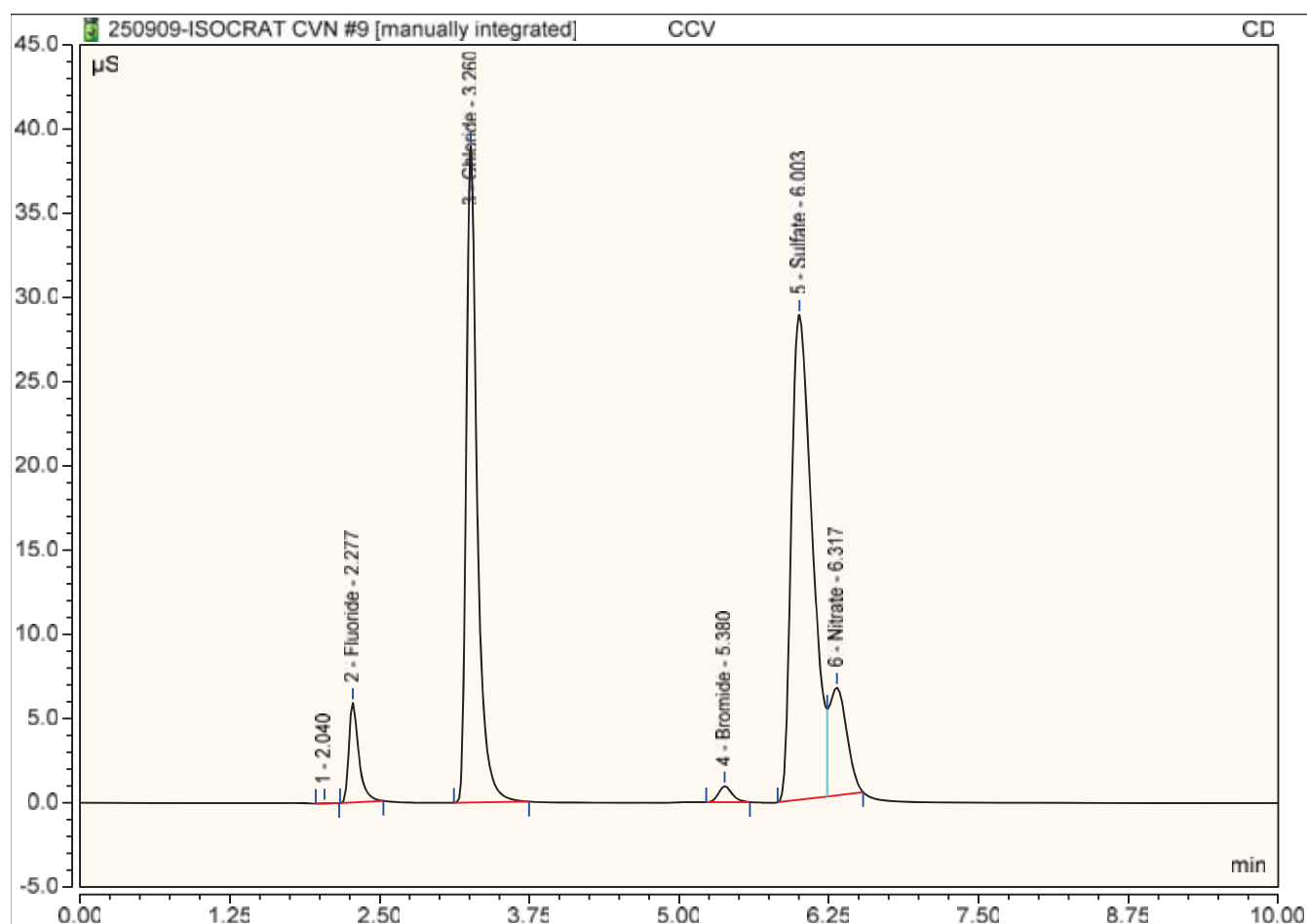
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.27	Chloride	BMB	0.009	0.079	0.0960
TOTAL:				0.01	0.08	0.10



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 11:49	Run Time:	10.00

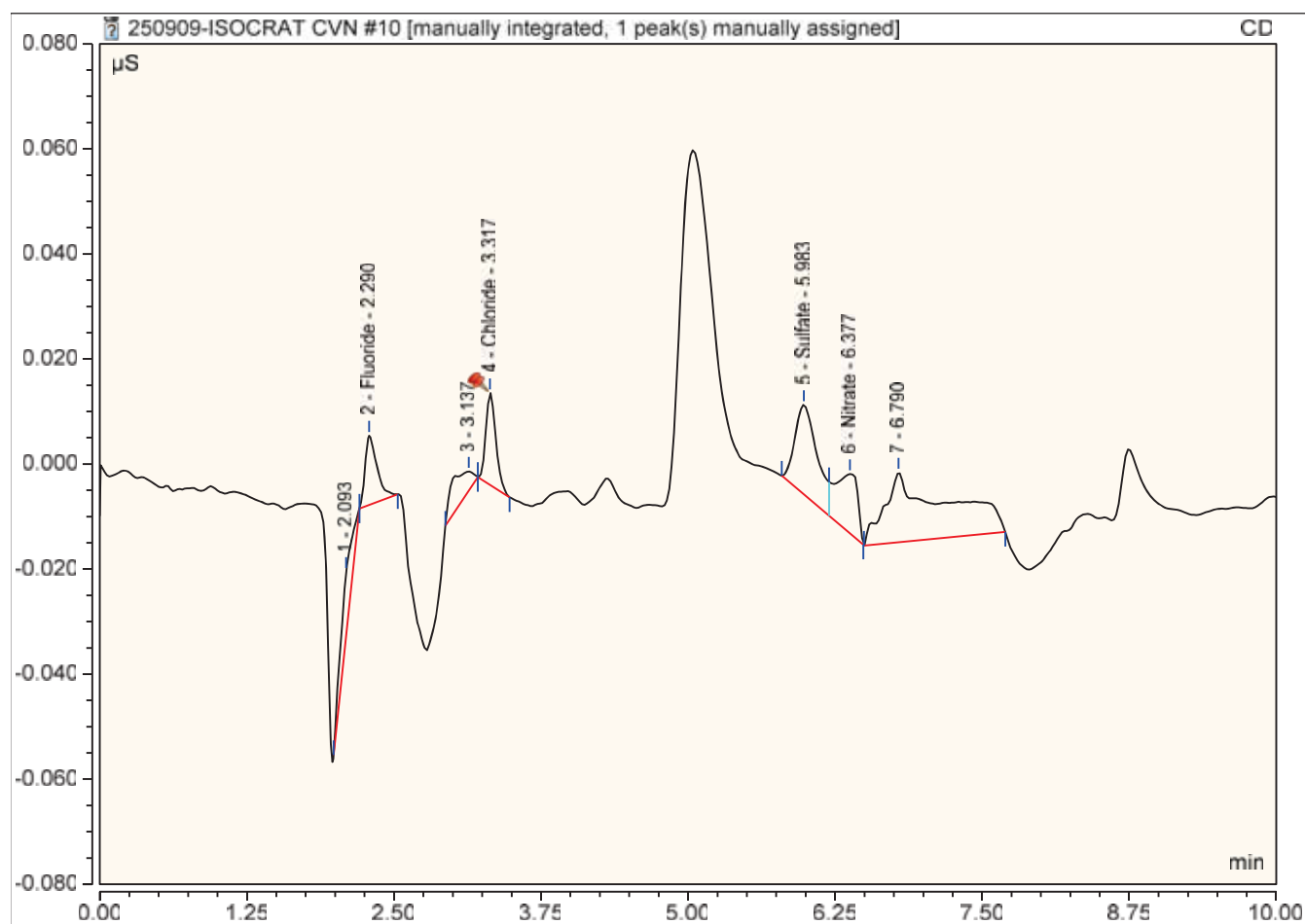
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.565	5.901	0.9332
3	3.26	Chloride	BMB	4.130	38.957	9.7931
4	5.38	Bromide	BMB*	0.127	0.945	0.9540
5	6.00	Sulfate	BM *	5.801	28.788	18.7675
6	6.32	Nitrate	MB*	1.092	6.398	1.0334
TOTAL:				11.71	80.99	31.48



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 12:01	Run Time:	10.00

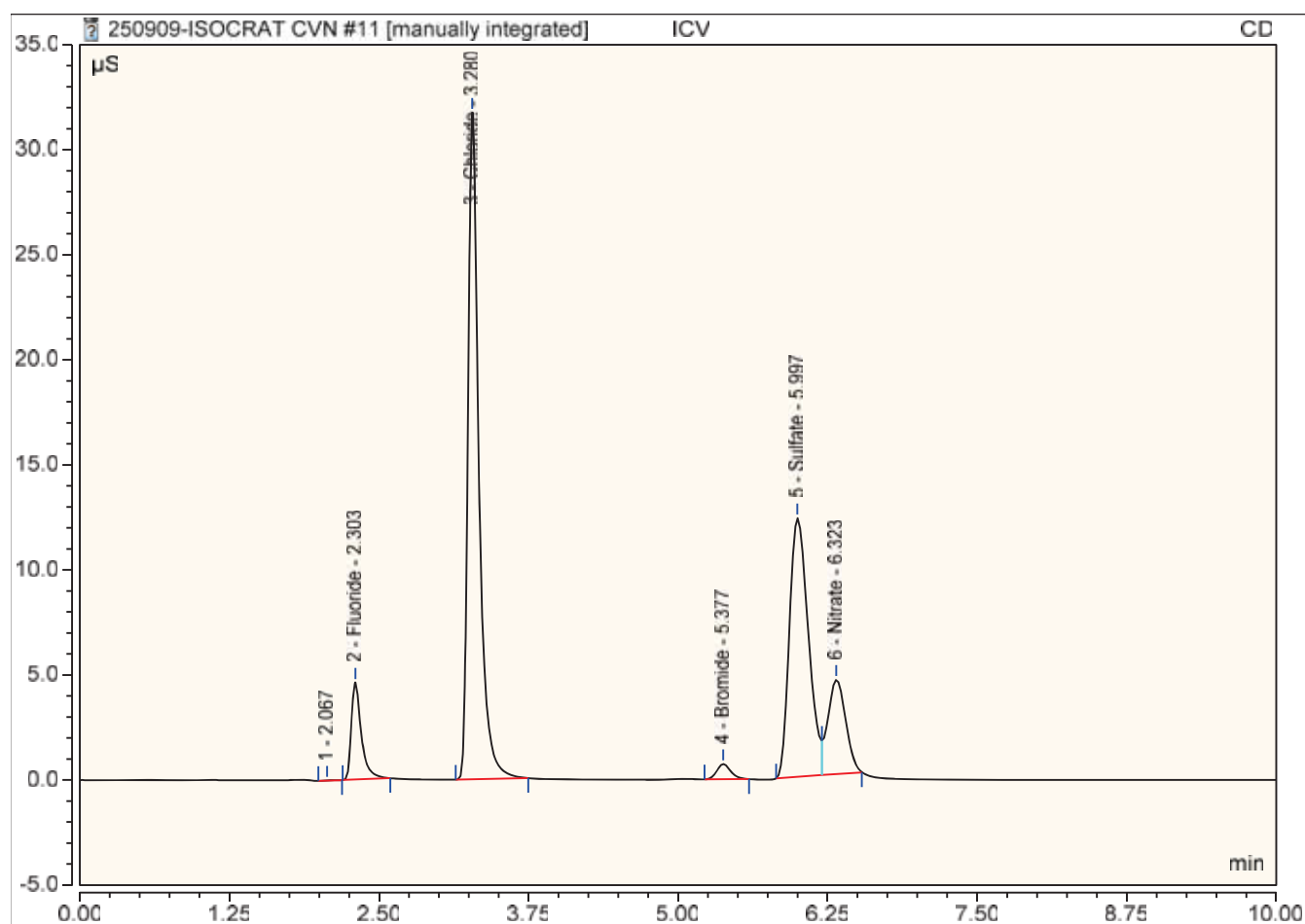
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.002	0.013	0.0261
4	3.32	Chloride	BMB^	0.002	0.017	0.0784
5	5.98	Sulfate	BM *	0.004	0.017	0.2641
6	6.38	Nitrate	MB*	0.002	0.011	0.0321
TOTAL:				0.01	0.06	0.40



Peak Integration Report

Sample Name:	ICV	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 12:13	Run Time:	10.00

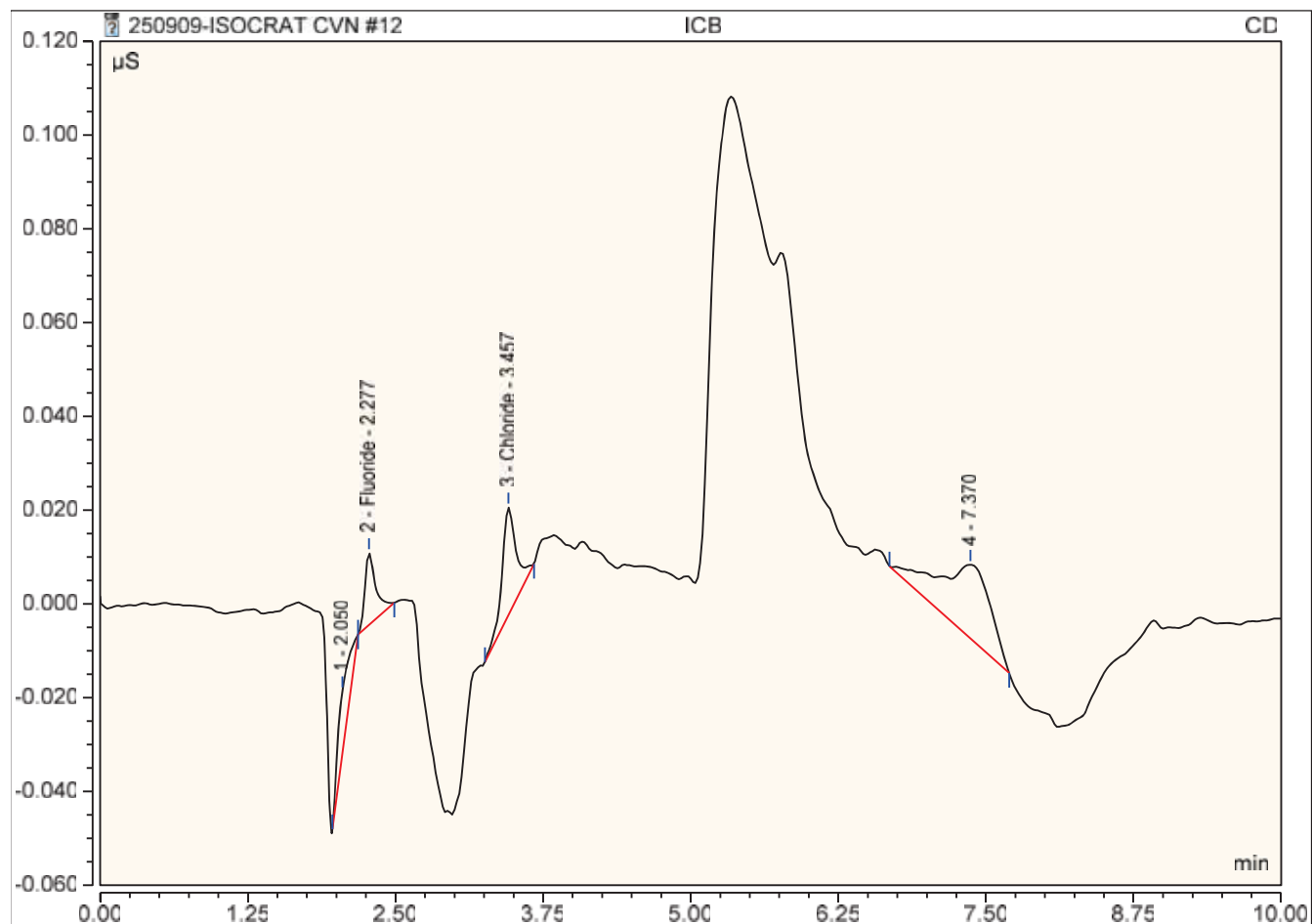
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB*	0.443	4.614	0.7370
3	3.28	Chloride	BMB	3.358	31.732	7.9777
4	5.38	Bromide	BMB*	0.098	0.723	0.7439
5	6.00	Sulfate	BM *	2.261	12.314	7.4682
6	6.32	Nitrate	MB*	0.777	4.491	0.7441
TOTAL:				6.94	53.87	17.67



Peak Integration Report

Sample Name:	ICB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 12:25	Run Time:	10.00

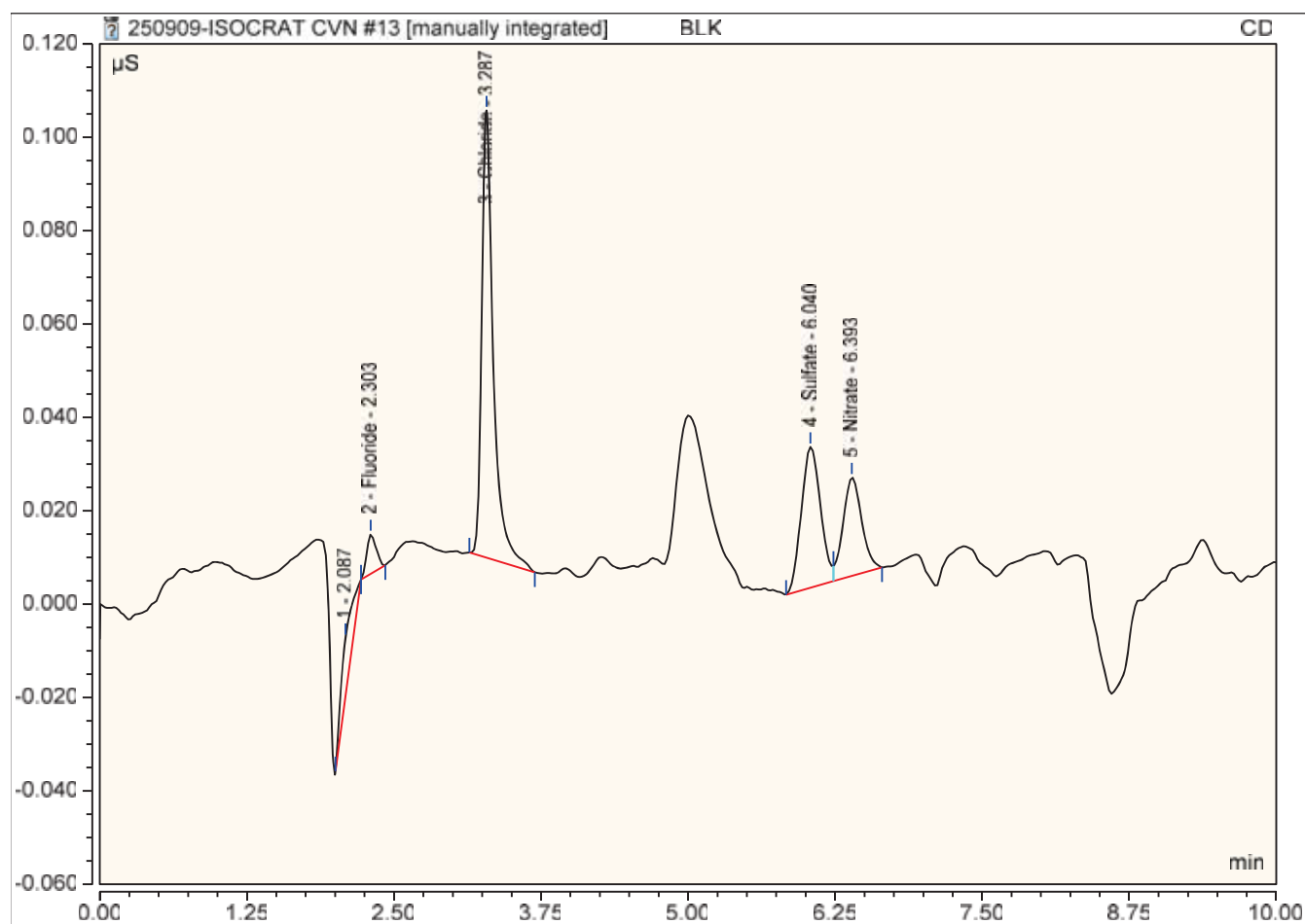
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.002	0.015	0.0263
3	3.46	Chloride	BMB	0.003	0.023	0.0817
TOTAL:				0.00	0.04	0.11



Peak Integration Report

Sample Name:	BLK	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 12:37	Run Time:	10.00

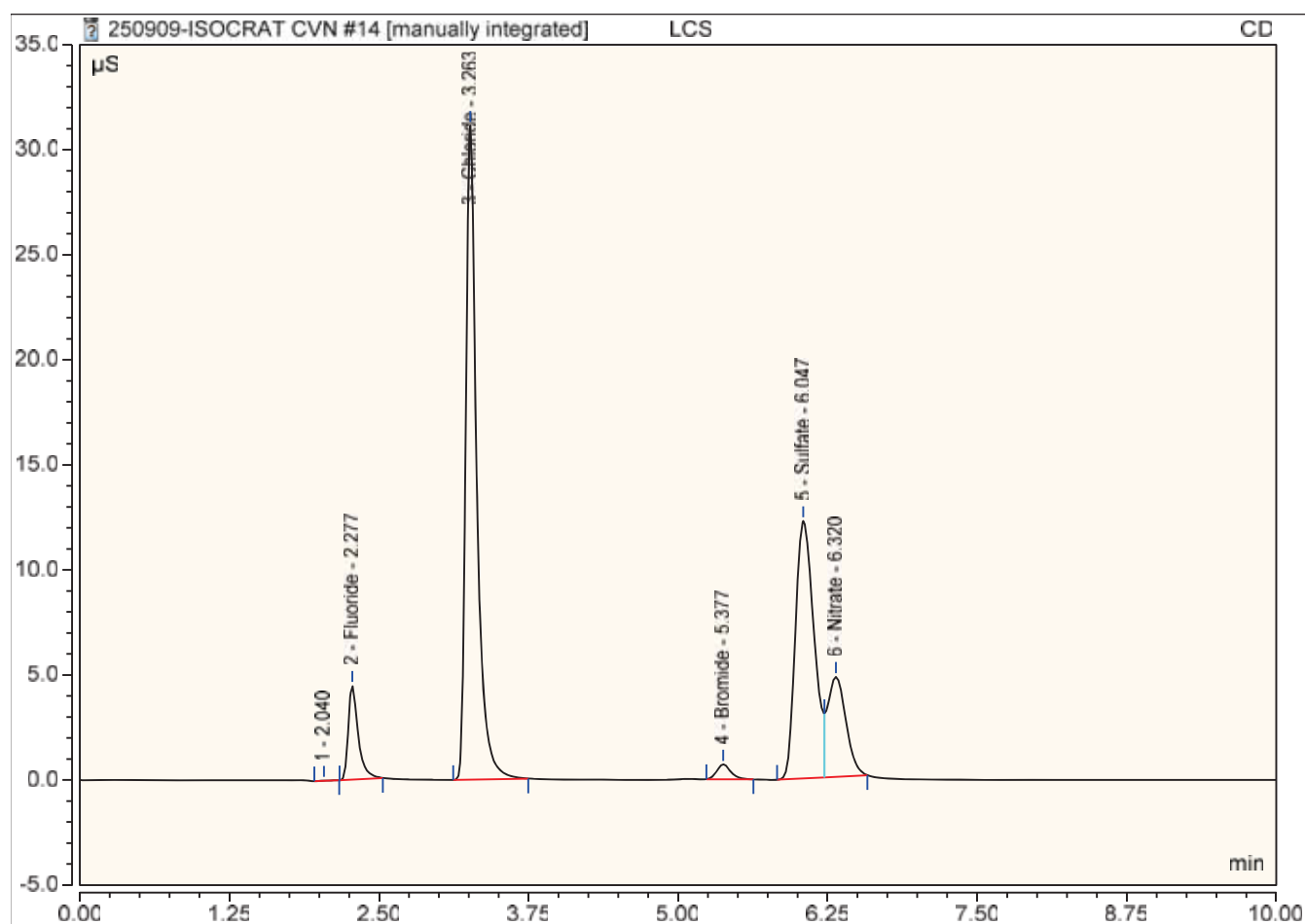
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.001	0.008	0.0249
3	3.29	Chloride	BMB	0.011	0.096	0.1001
4	6.04	Sulfate	BM *	0.006	0.030	0.2702
5	6.39	Nitrate	MB*	0.004	0.021	0.0335
TOTAL:				0.02	0.16	0.43



Peak Integration Report

Sample Name:	LCS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 12:49	Run Time:	10.00

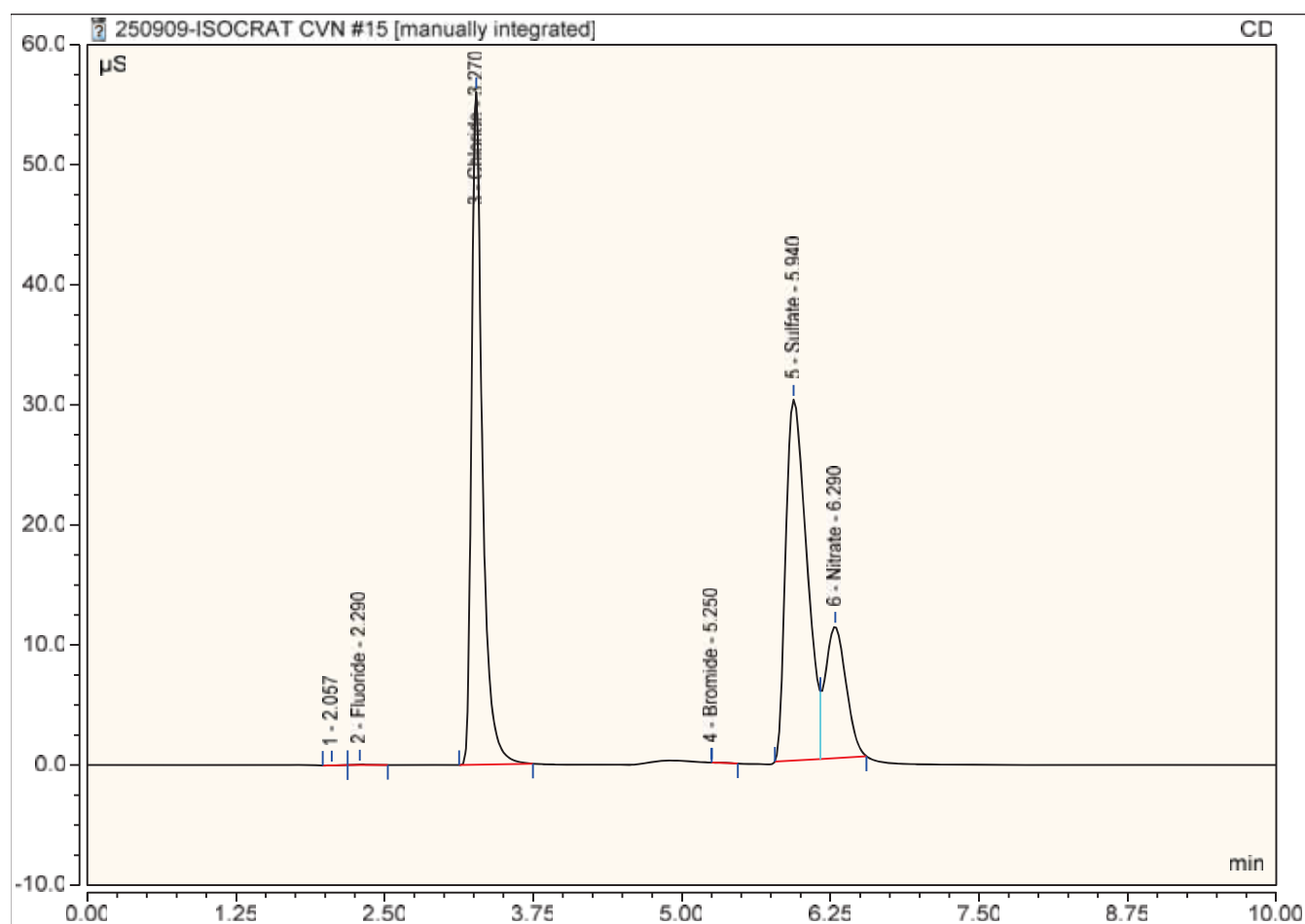
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.426	4.474	0.7103
3	3.26	Chloride	BMB	3.305	31.123	7.8535
4	5.38	Bromide	BMB*	0.097	0.704	0.7338
5	6.05	Sulfate	BM *	2.220	12.251	7.3378
6	6.32	Nitrate	MB*	0.848	4.761	0.8090
TOTAL:				6.90	53.31	17.44



Peak Integration Report

Sample Name:	L2555605-01 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 13:01	Run Time:	10.00

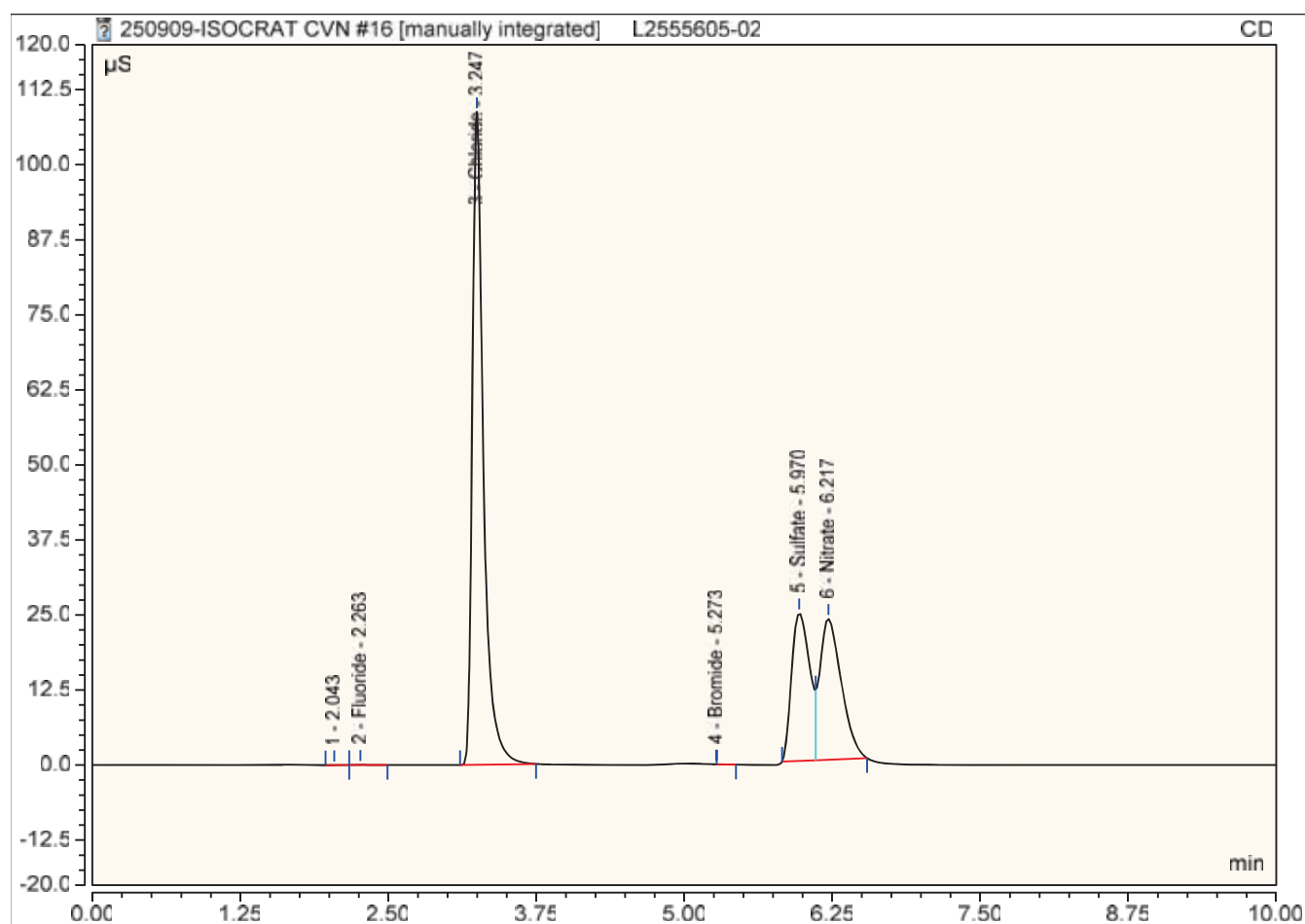
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.008	0.071	0.0361
3	3.27	Chloride	BMB	5.935	56.016	14.0425
4	5.25	Bromide	BMB*	0.004	0.000	0.0494
5	5.94	Sulfate	BM *	6.162	30.072	19.9203
6	6.29	Nitrate	MB*	2.222	10.976	2.0721
TOTAL:				14.33	97.14	36.12



Peak Integration Report

Sample Name:	L2555605-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 13:13	Run Time:	10.00

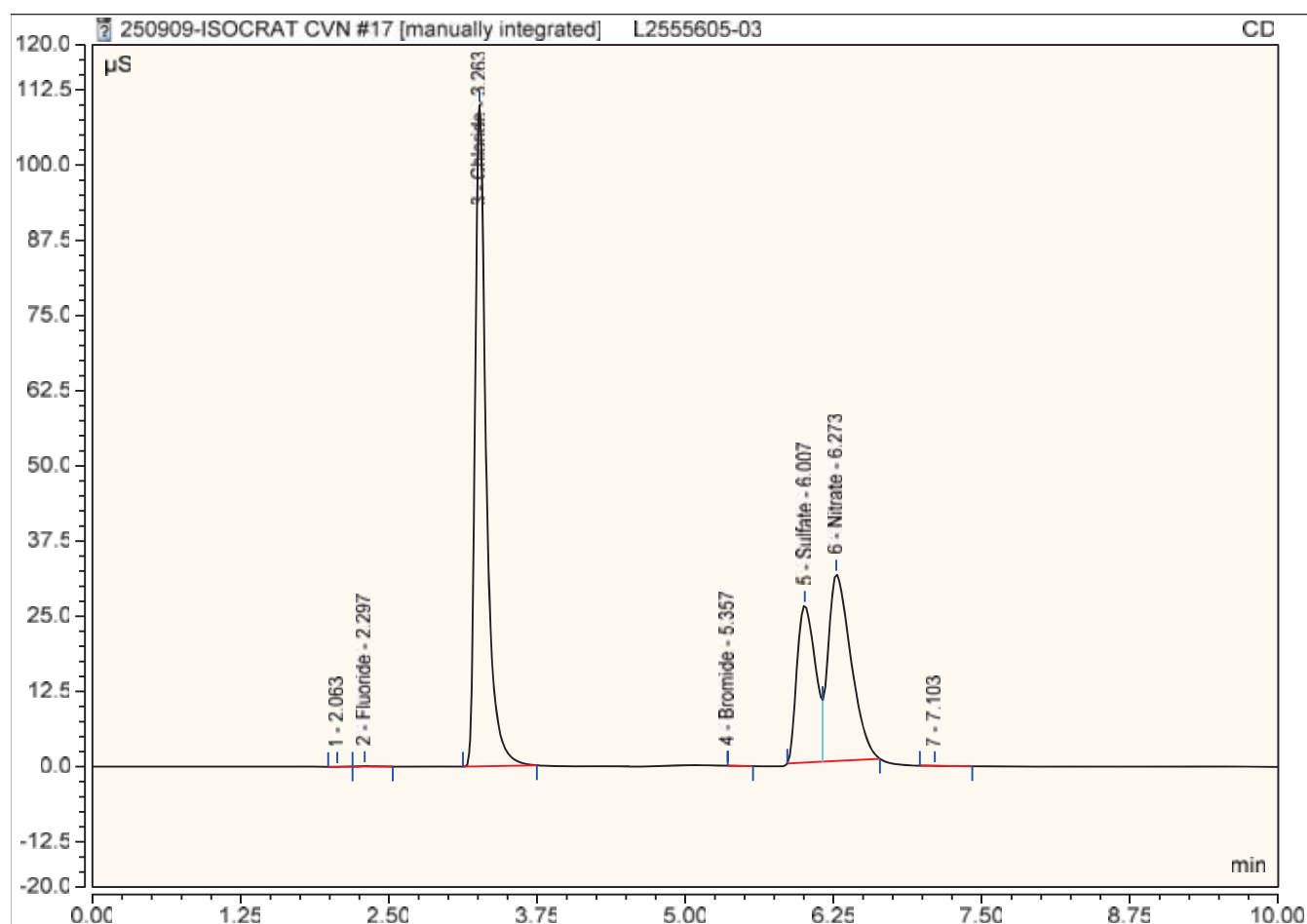
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.26	Fluoride	BMB	0.009	0.084	0.0379
3	3.25	Chloride	BMB	11.870	108.751	28.0106
4	5.27	Bromide	BMB*	0.001	0.000	0.0298
5	5.97	Sulfate	BM *	4.350	24.625	14.1365
6	6.22	Nitrate	MB*	4.939	23.492	4.5685
TOTAL:				21.17	156.95	46.78



Peak Integration Report

Sample Name:	L2555605-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 13:25	Run Time:	10.00

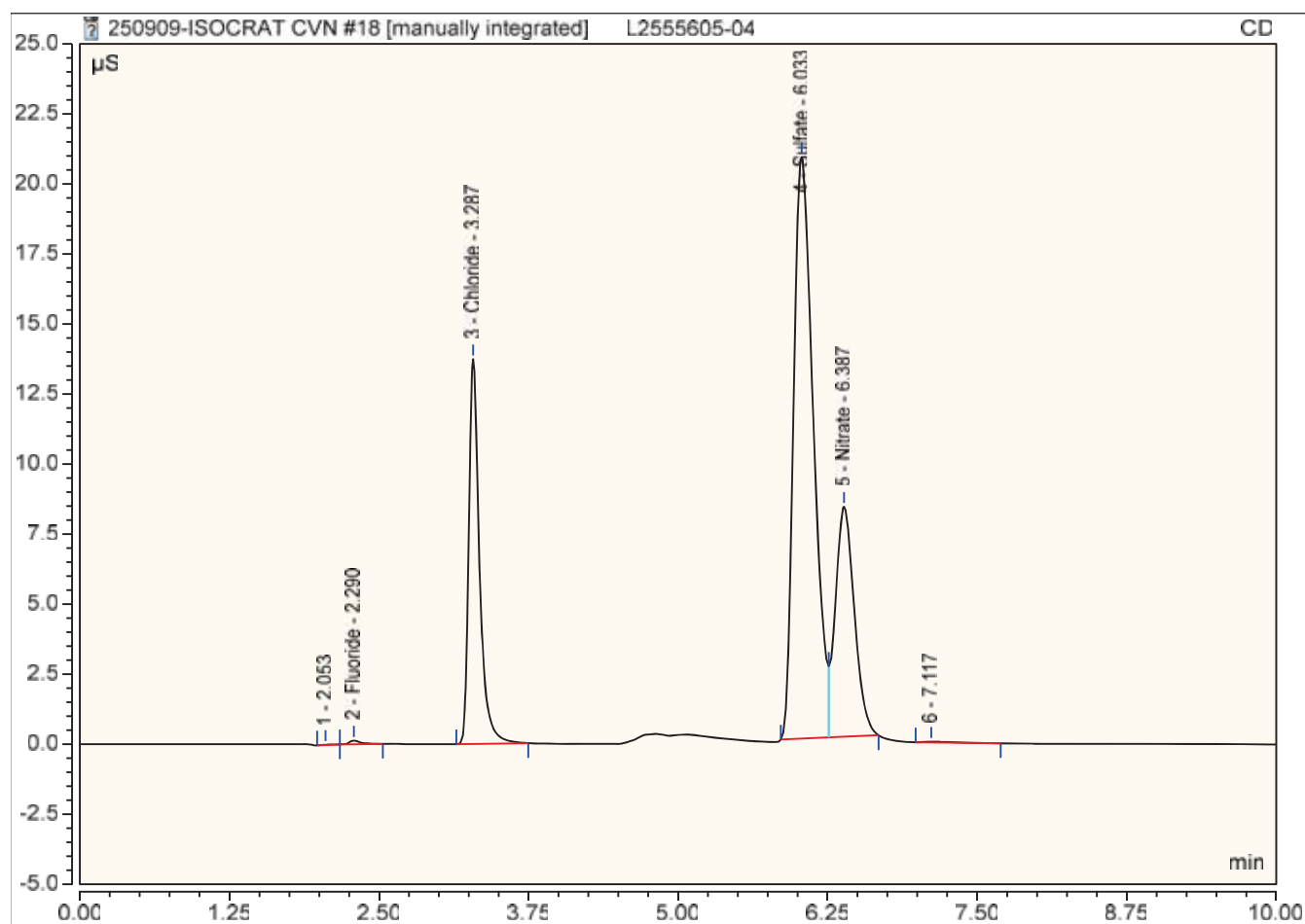
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.012	0.115	0.0437
3	3.26	Chloride	BMB	11.966	109.880	28.2357
4	5.36	Bromide	BMB*	0.002	0.000	0.0389
5	6.01	Sulfate	BM *	4.699	26.089	15.2519
6	6.27	Nitrate	MB*	6.942	31.003	6.4095
TOTAL:				23.62	167.09	49.98



Peak Integration Report

Sample Name:	L2555605-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 13:37	Run Time:	10.00

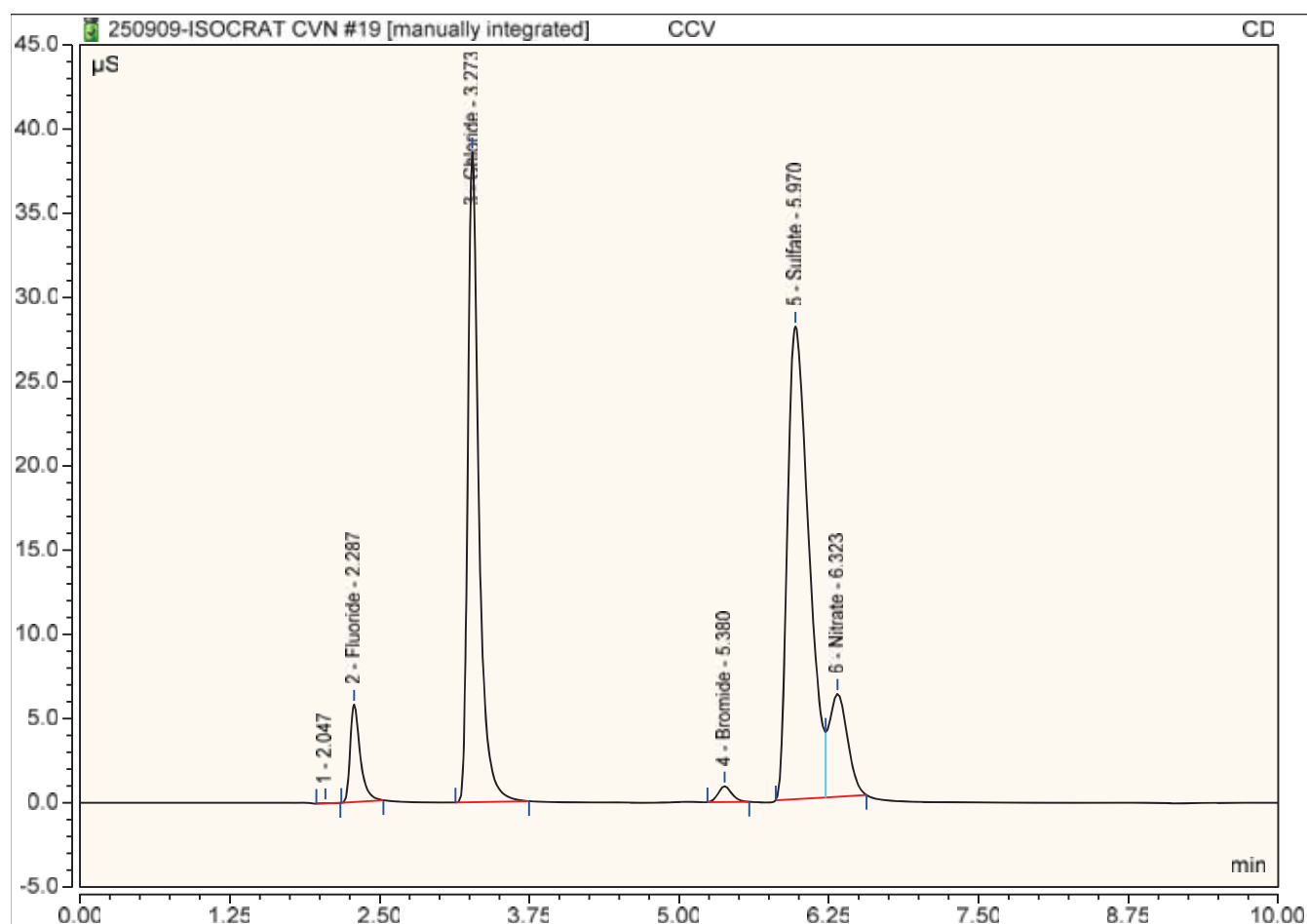
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.014	0.130	0.0459
3	3.29	Chloride	BMB	1.427	13.736	3.4334
4	6.03	Sulfate	BM *	3.971	20.752	12.9267
5	6.39	Nitrate	MB*	1.519	8.215	1.4261
TOTAL:				6.93	42.83	17.83



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 13:49	Run Time:	10.00

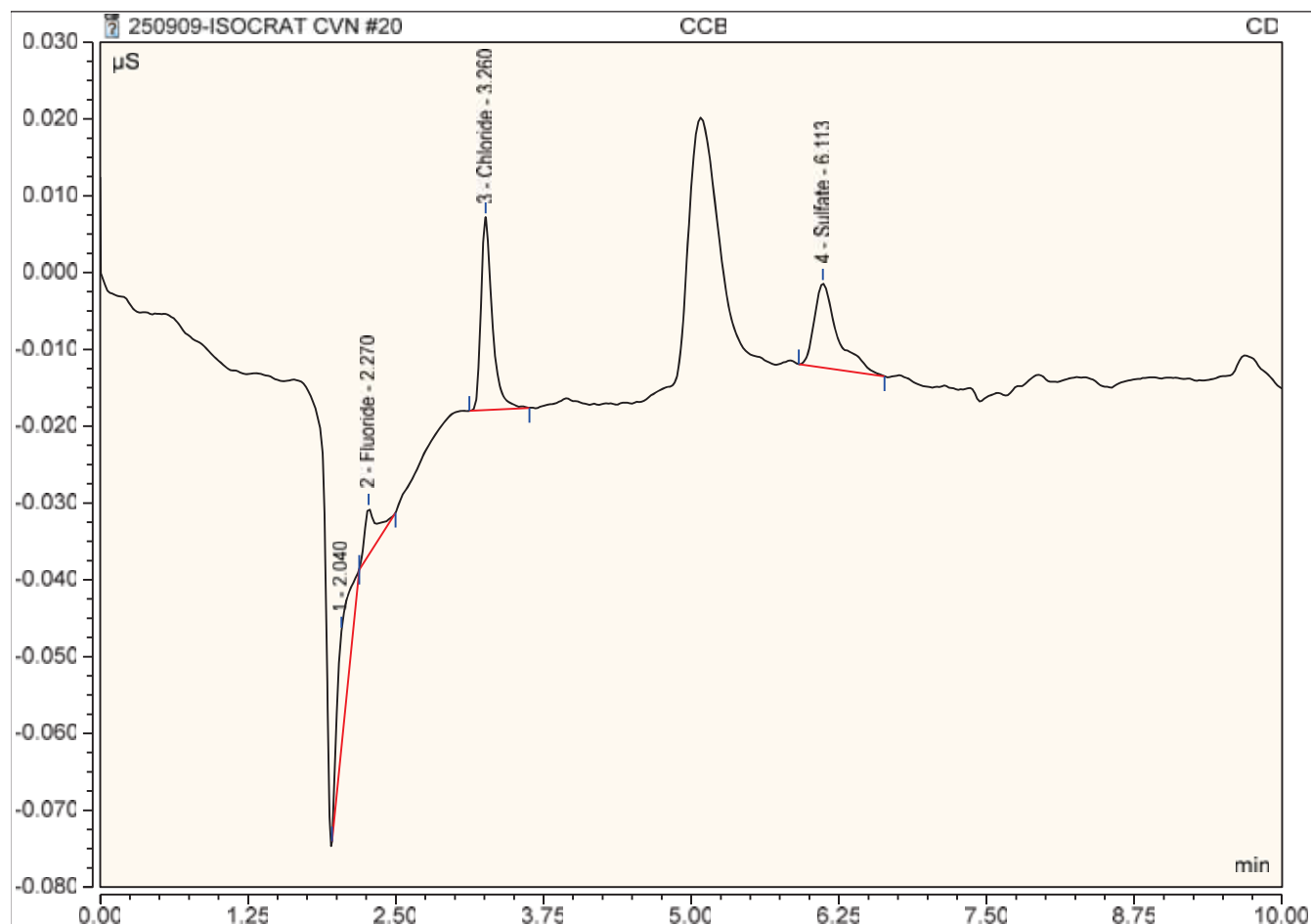
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.560	5.795	0.9249
3	3.27	Chloride	BMB	4.097	38.597	9.7159
4	5.38	Bromide	BMB*	0.124	0.931	0.9352
5	5.97	Sulfate	BM *	5.782	28.059	18.7083
6	6.32	Nitrate	MB*	1.096	6.110	1.0374
TOTAL:				11.66	79.49	31.32



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 14:01	Run Time:	10.00

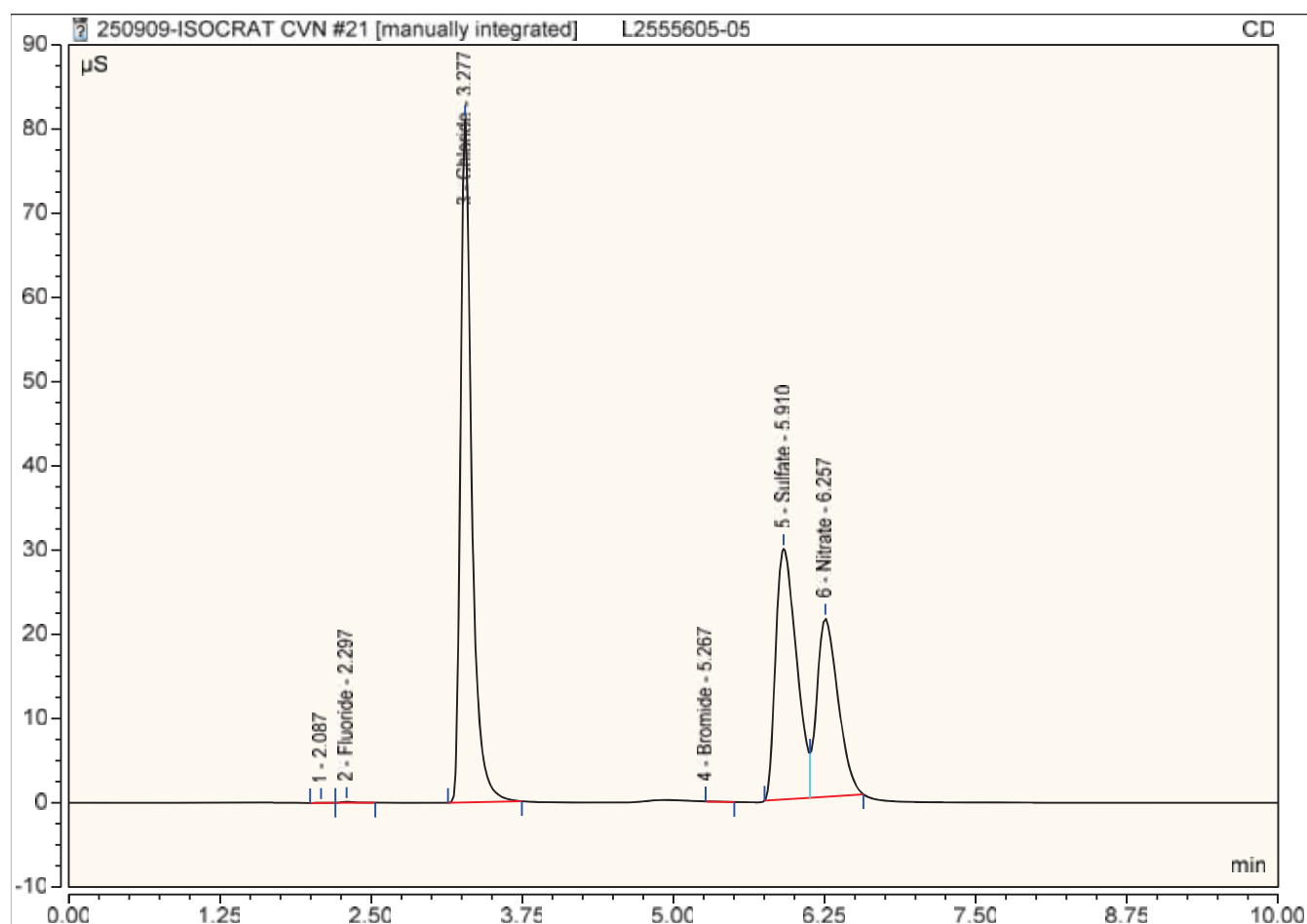
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.001	0.006	0.0247
3	3.26	Chloride	BMB	0.003	0.025	0.0809
4	6.11	Sulfate	BMB	0.003	0.011	0.2601
TOTAL:				0.01	0.04	0.37



Peak Integration Report

Sample Name:	L2555605-05	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 14:14	Run Time:	10.00

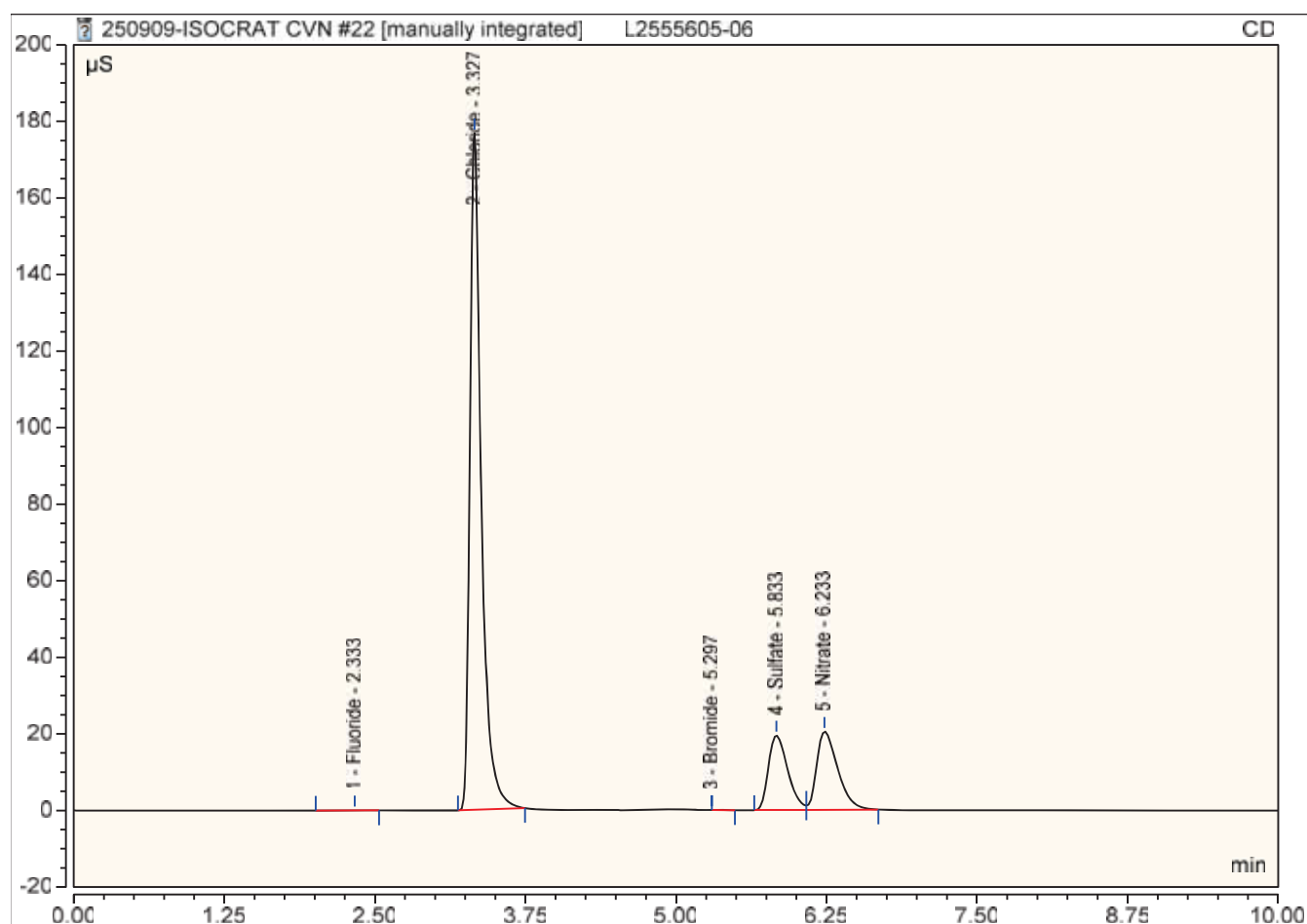
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.012	0.112	0.0428
3	3.28	Chloride	BMB	8.689	81.046	20.5247
4	5.27	Bromide	BMB*	0.003	0.000	0.0455
5	5.91	Sulfate	BM *	5.920	29.763	19.1489
6	6.26	Nitrate	MB*	4.305	21.174	3.9864
TOTAL:				18.93	132.10	43.75



Peak Integration Report

Sample Name:	L2555605-06	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 14:26	Run Time:	10.00

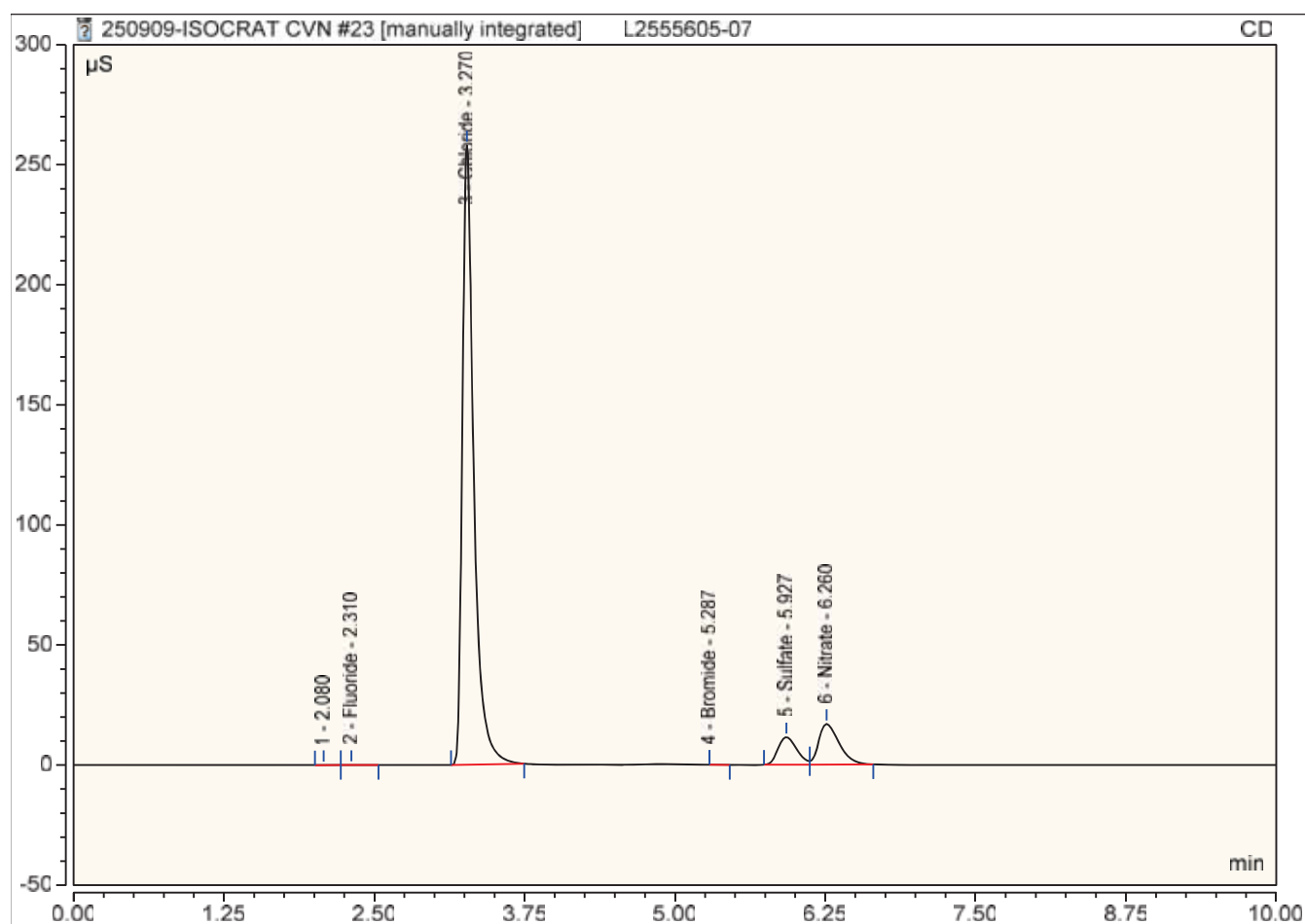
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.012	0.070	0.0423
2	3.33	Chloride	BMB	19.445	176.727	45.8374
3	5.30	Bromide	BMB*	0.001	0.000	0.0292
4	5.83	Sulfate	BM *	3.613	19.470	11.7845
5	6.23	Nitrate	MB*	4.130	20.417	3.8248
TOTAL:				27.20	216.68	61.52



Peak Integration Report

Sample Name:	L2555605-07	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 14:38	Run Time:	10.00

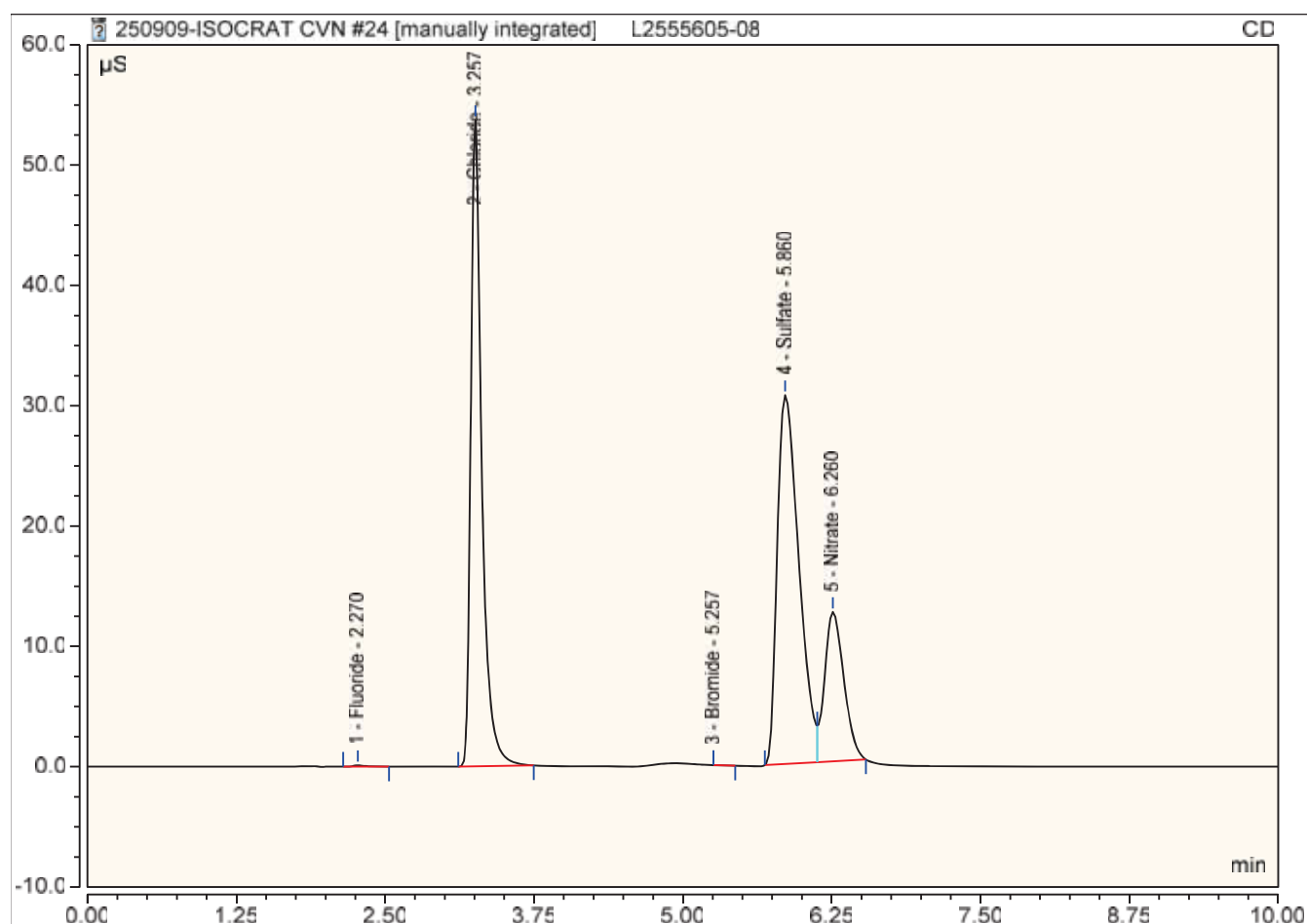
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.009	0.084	0.0379
3	3.27	Chloride	BMB	28.417	257.998	66.9532
4	5.29	Bromide	BMB*	0.000	0.000	0.0264
5	5.93	Sulfate	BM *	2.082	11.471	6.8970
6	6.26	Nitrate	MB*	3.312	16.882	3.0731
TOTAL:				33.82	286.44	76.99



Peak Integration Report

Sample Name:	L2555605-08	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 14:50	Run Time:	10.00

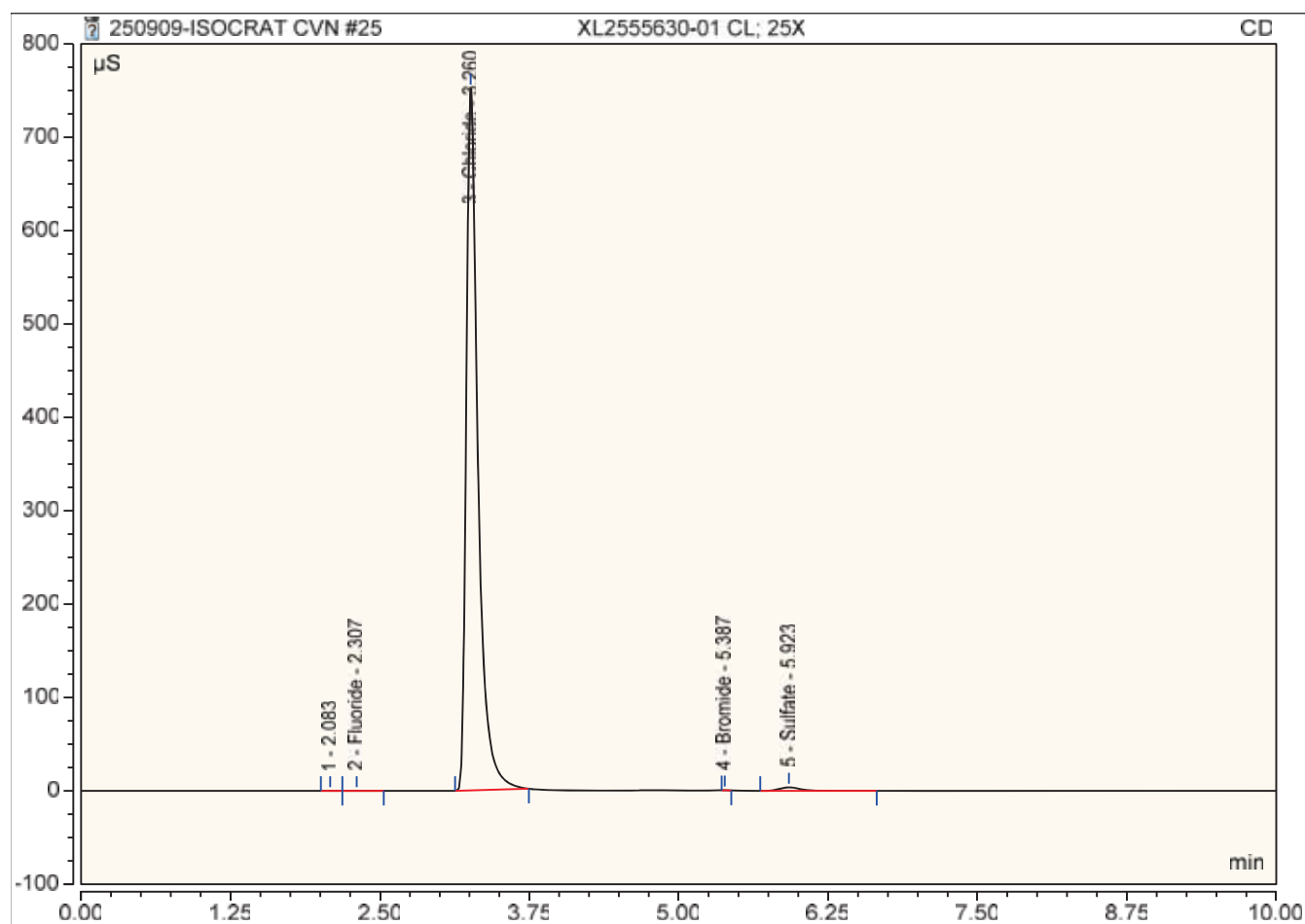
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.27	Fluoride	BMB	0.013	0.123	0.0449
2	3.26	Chloride	BMB	5.774	53.725	13.6643
3	5.26	Bromide	BMB*	0.001	0.000	0.0329
4	5.86	Sulfate	BM *	6.435	30.667	20.7926
5	6.26	Nitrate	MB*	2.330	12.403	2.1713
TOTAL:				14.55	96.92	36.71



Peak Integration Report

Sample Name:	XL2555630-01 CL; 25X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	25.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 15:02	Run Time:	10.00

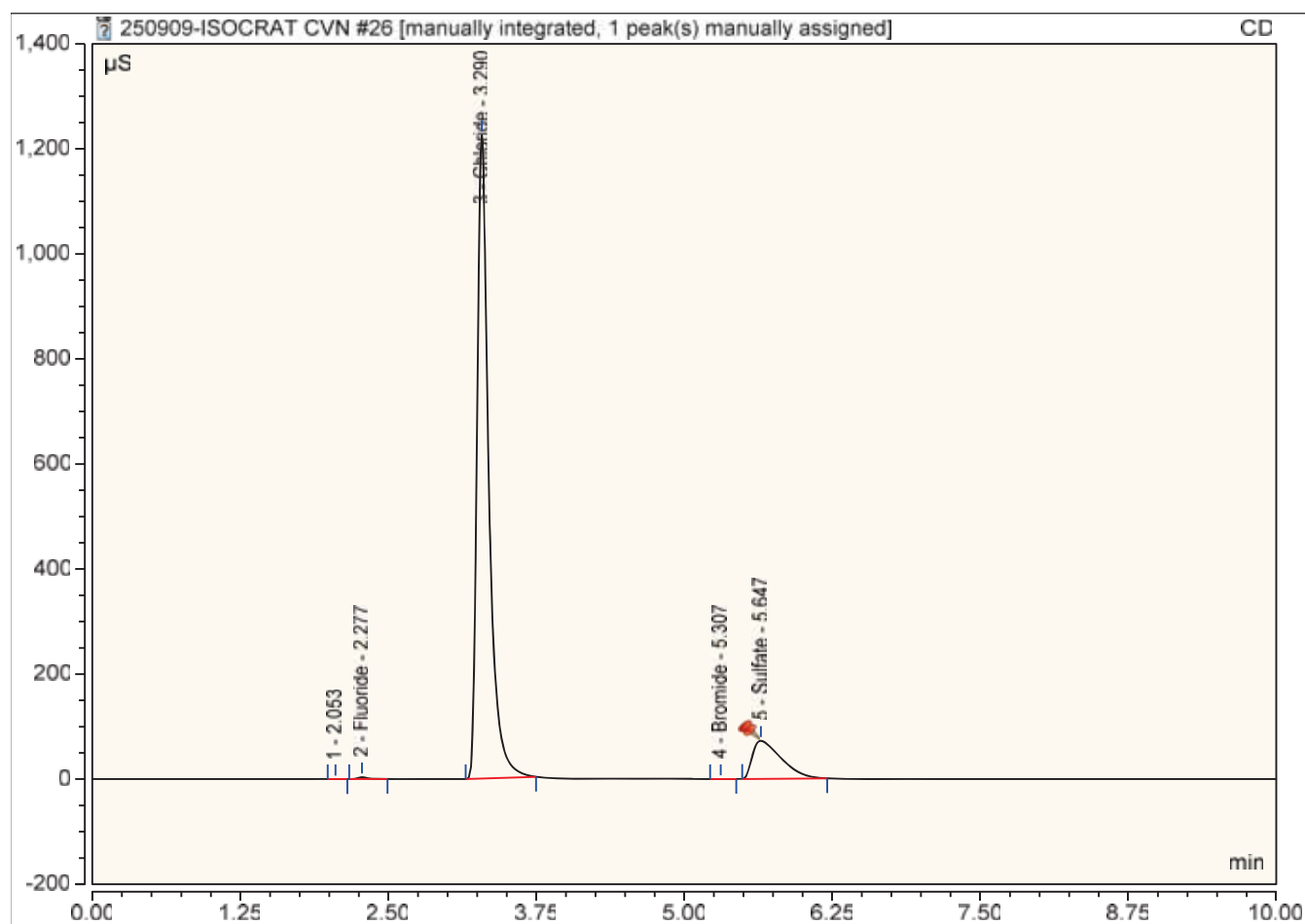
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.011	0.101	1.0257
3	3.26	Chloride	BMB	85.840	751.850	5052.4577
4	5.39	Bromide	BMB	0.002	0.050	0.9762
5	5.92	Sulfate	BMB	0.691	3.696	61.4571
TOTAL:				86.54	755.70	5115.92



Peak Integration Report

Sample Name:	L2555898-02 SO4	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 15:14	Run Time:	10.00

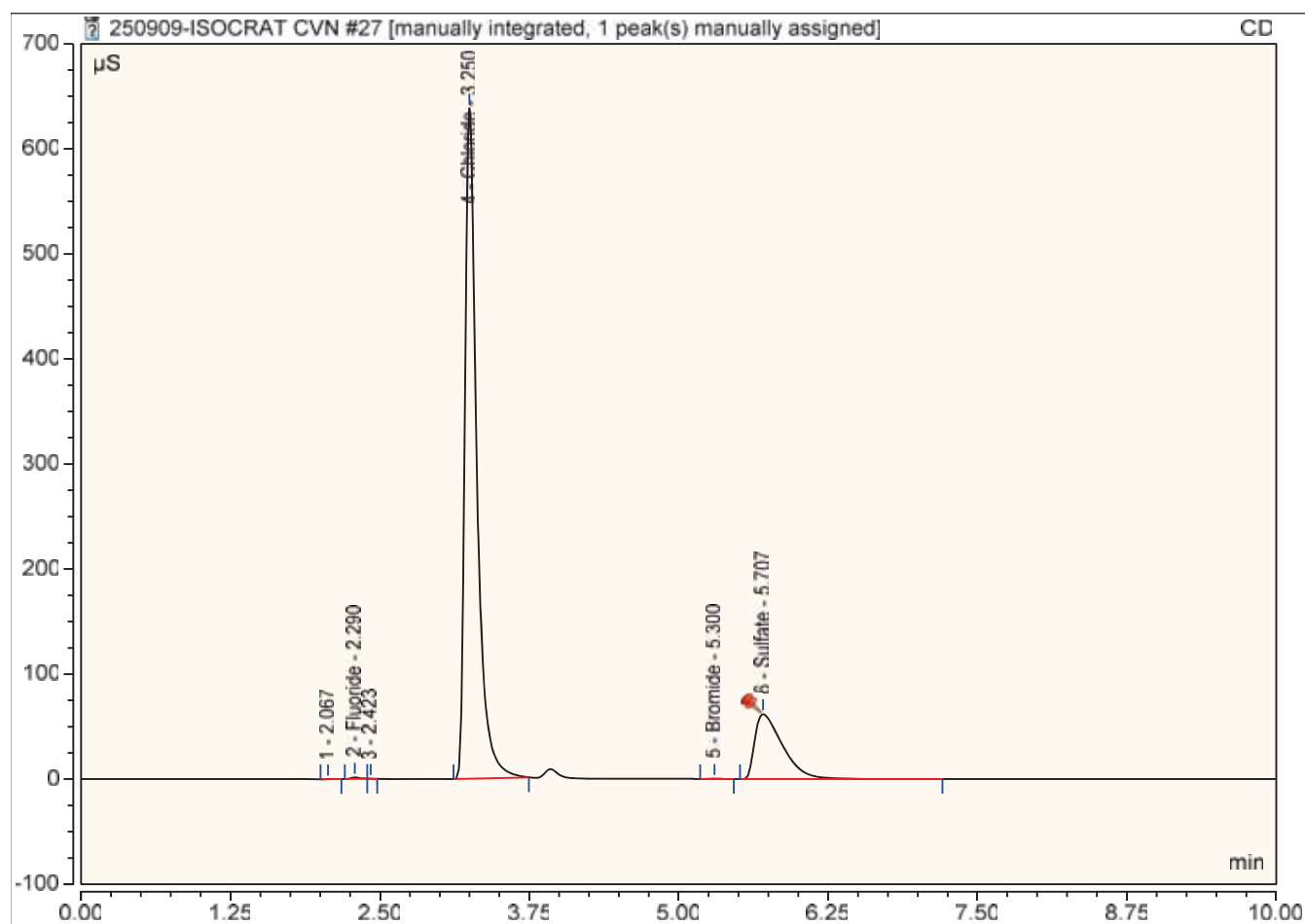
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.362	3.697	0.6062
3	3.29	Chloride	BMB	141.524	1224.949	333.1503
4	5.31	Bromide	BMB*	0.013	0.108	0.1174
5	5.65	Sulfate	BMB*^	20.282	72.616	64.9895
TOTAL:				162.18	1301.37	398.86



Peak Integration Report

Sample Name:	L2555898-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 15:26	Run Time:	10.00

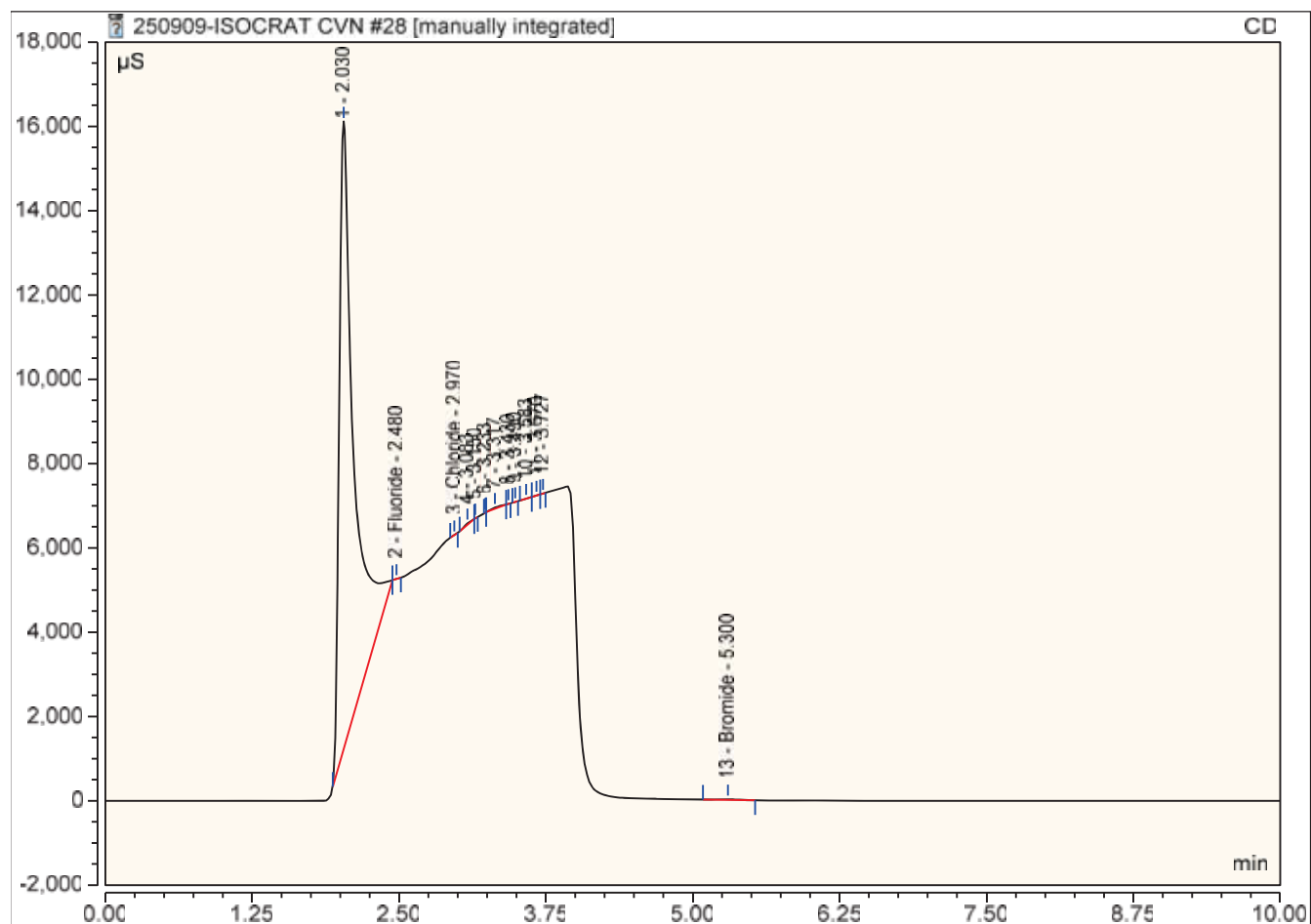
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.117	1.495	0.2122
4	3.25	Chloride	BMB	73.304	638.053	172.5939
5	5.30	Bromide	BMB*	0.025	0.198	0.2065
6	5.71	Sulfate	BMB^	16.676	61.952	53.4797
TOTAL:				90.12	701.70	226.49



Peak Integration Report

Sample Name:	XL2555898-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 15:38	Run Time:	10.00

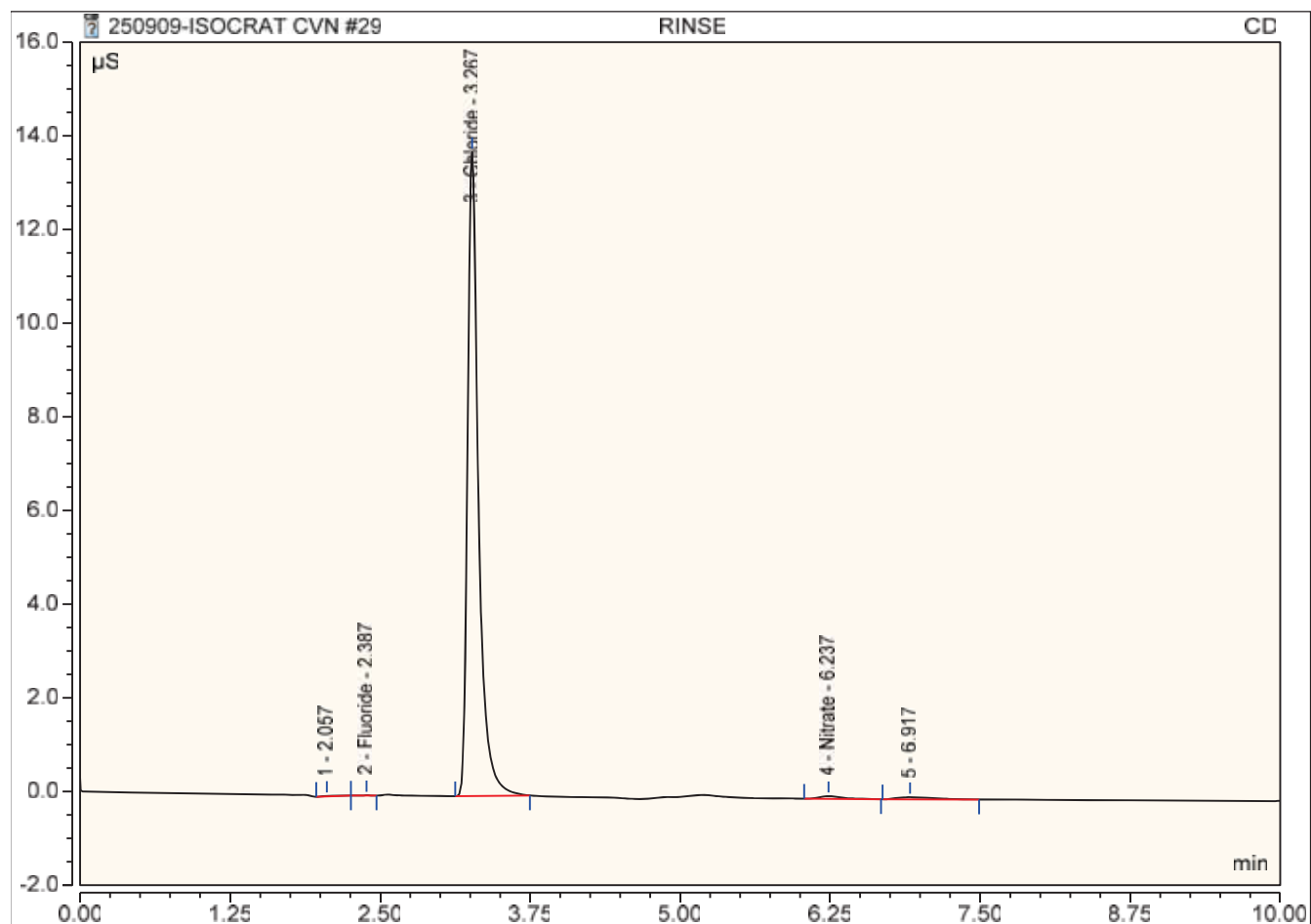
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.48	Fluoride	BMB	0.091	2.275	0.1696
3	2.97	Chloride	BMB	0.105	2.682	0.3209
13	5.30	Bromide	BMB*	3.666	16.974	26.9892
TOTAL:				3.86	21.93	27.48



Peak Integration Report

Sample Name:	RINSE	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 15:50	Run Time:	10.00

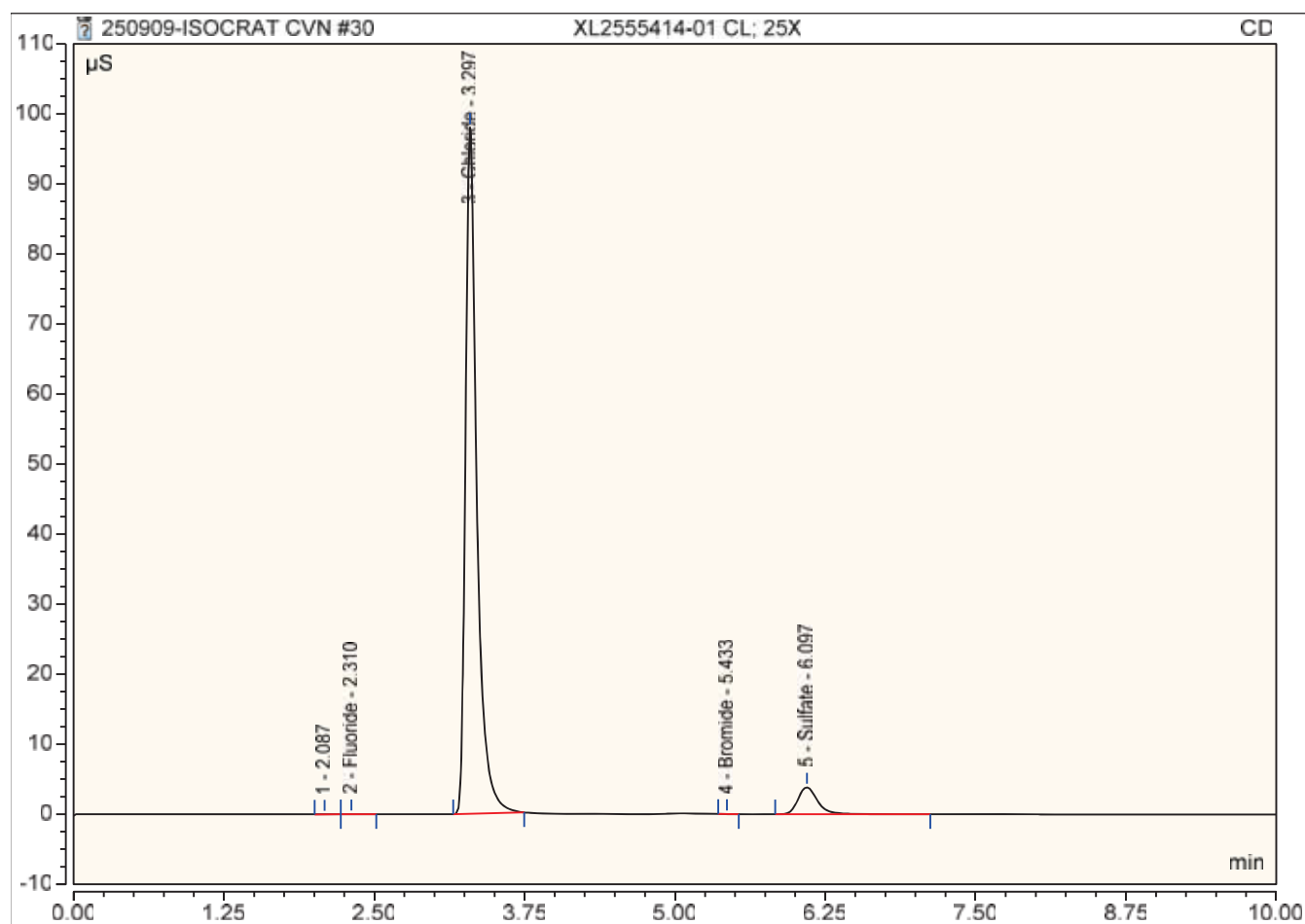
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.39	Fluoride	BMB	0.000	0.003	0.0240
3	3.27	Chloride	BMB	1.457	13.746	3.5031
4	6.24	Nitrate	BMB	0.013	0.059	0.0414
TOTAL:				1.47	13.81	3.57



Peak Integration Report

Sample Name:	XL2555414-01 CL; 25X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	25.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 16:02	Run Time:	10.00

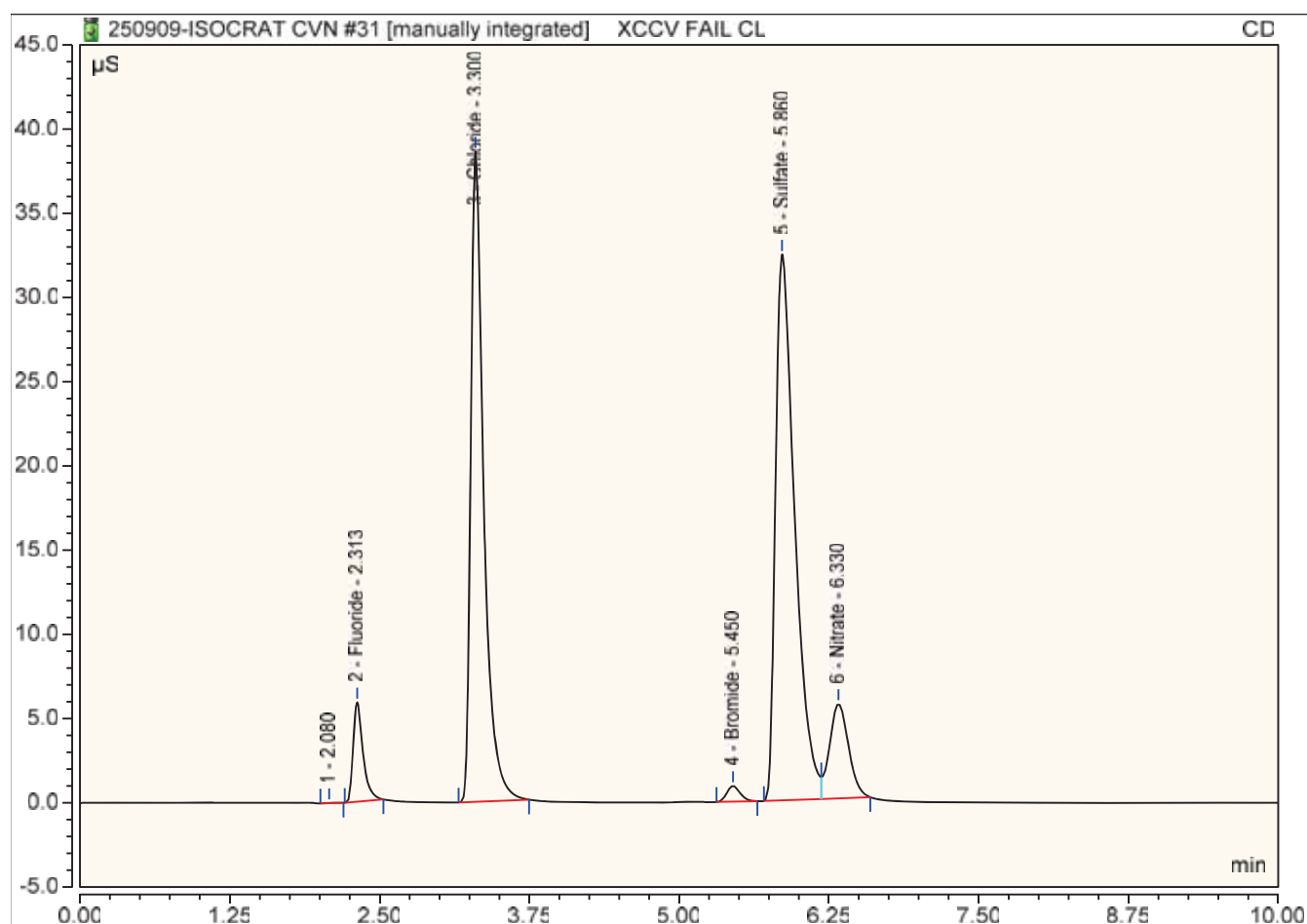
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.001	0.011	0.6445
3	3.30	Chloride	BMB	10.738	97.956	633.6489
4	5.43	Bromide	BMB	0.000	0.003	0.6155
5	6.10	Sulfate	BMB	0.740	3.849	65.3311
TOTAL:				11.48	101.82	700.24



Peak Integration Report

Sample Name:	XCCV FAIL CL	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 16:14	Run Time:	10.00

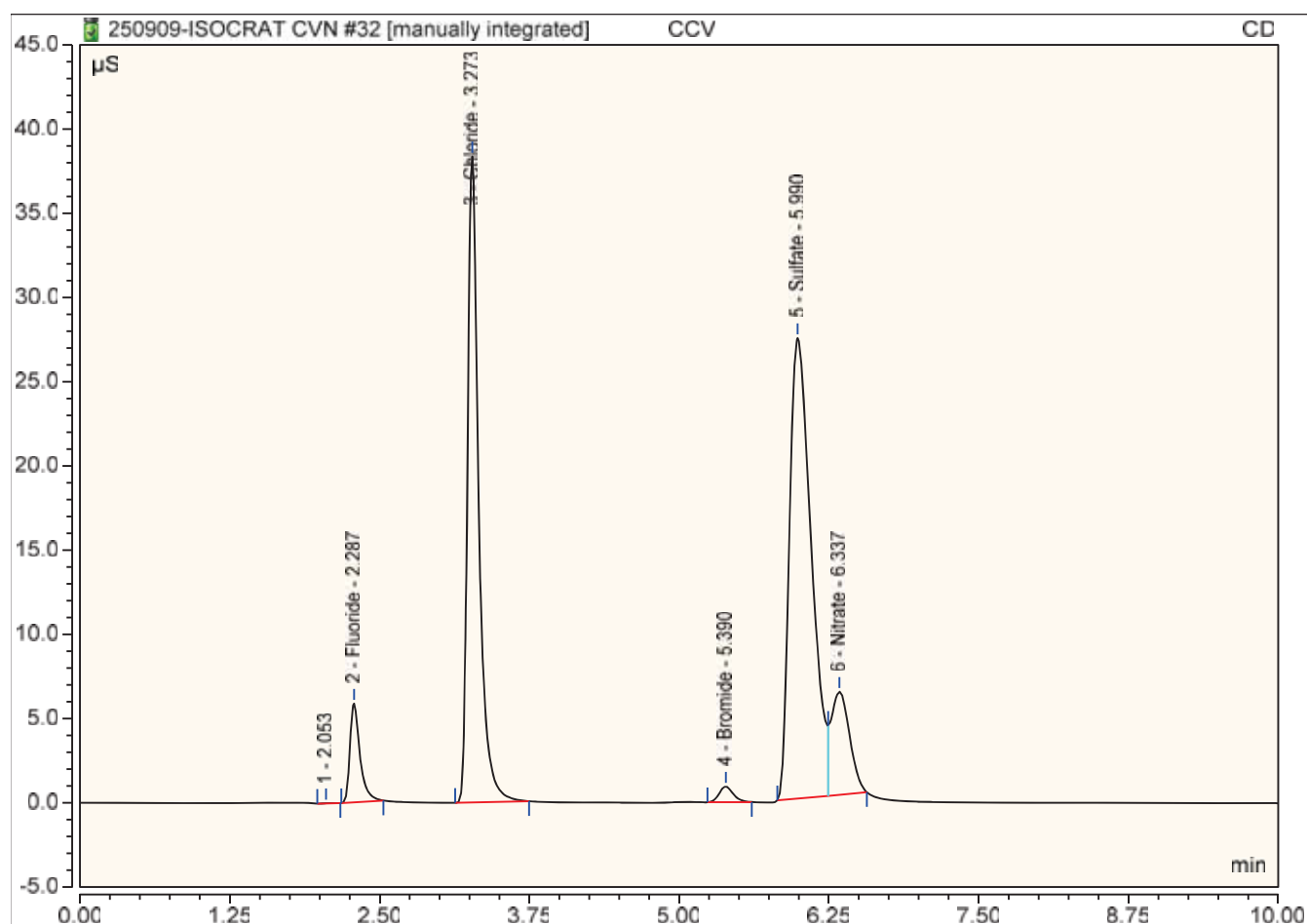
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.560	5.897	0.9257
3	3.30	Chloride	BMB	4.844	38.603	11.4748
4	5.45	Bromide	BMB*	0.120	0.929	0.9039
5	5.86	Sulfate	BM *	6.009	32.396	19.4309
6	6.33	Nitrate	MB*	1.034	5.604	0.9805
TOTAL:				12.57	83.43	33.72



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 16:30	Run Time:	10.00

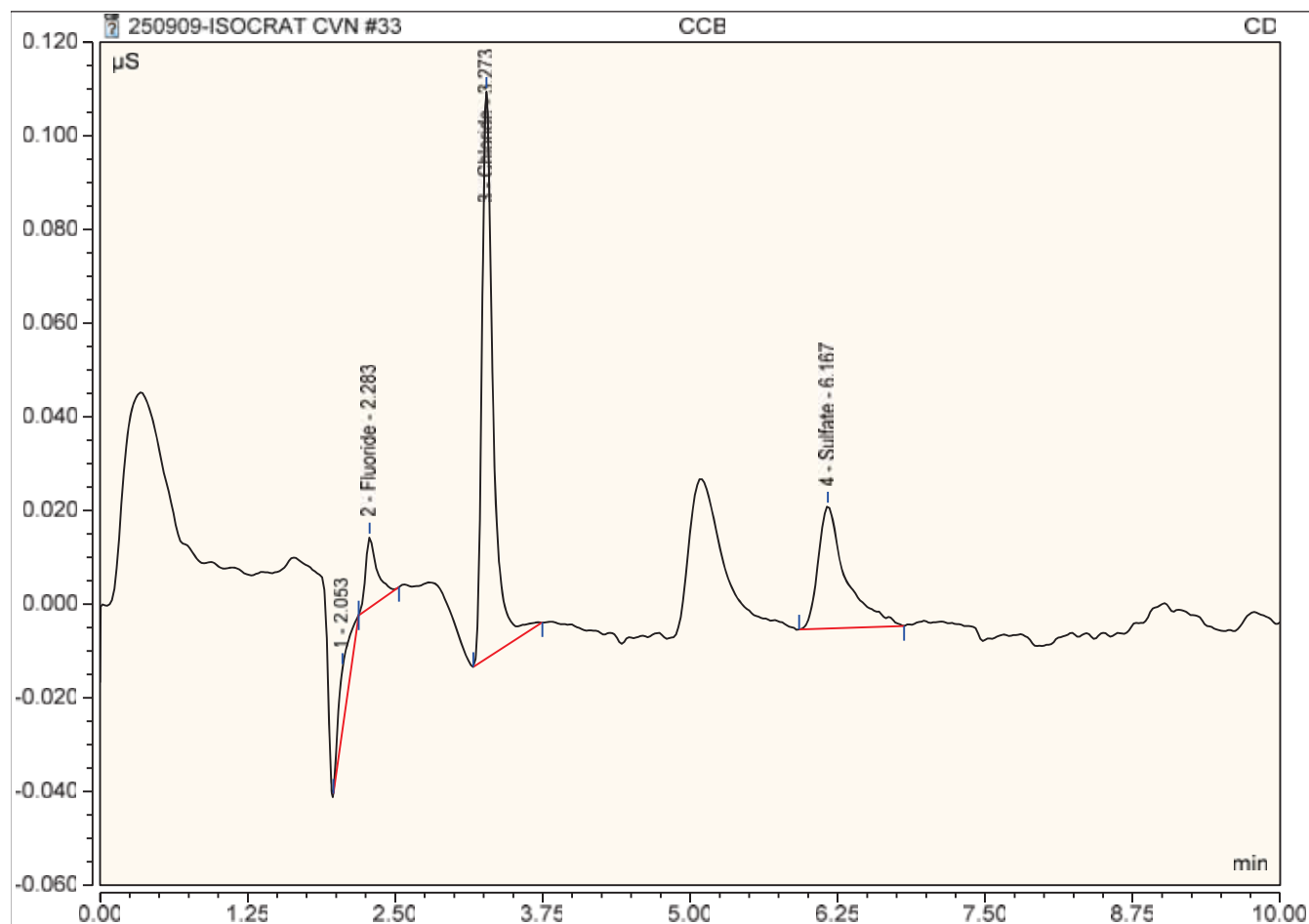
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.564	5.855	0.9324
3	3.27	Chloride	BMB	4.129	38.353	9.7930
4	5.39	Bromide	BMB*	0.126	0.927	0.9527
5	5.99	Sulfate	BM *	5.757	27.341	18.6288
6	6.34	Nitrate	MB*	1.100	6.116	1.0410
TOTAL:				11.68	78.59	31.35



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 16:43	Run Time:	10.00

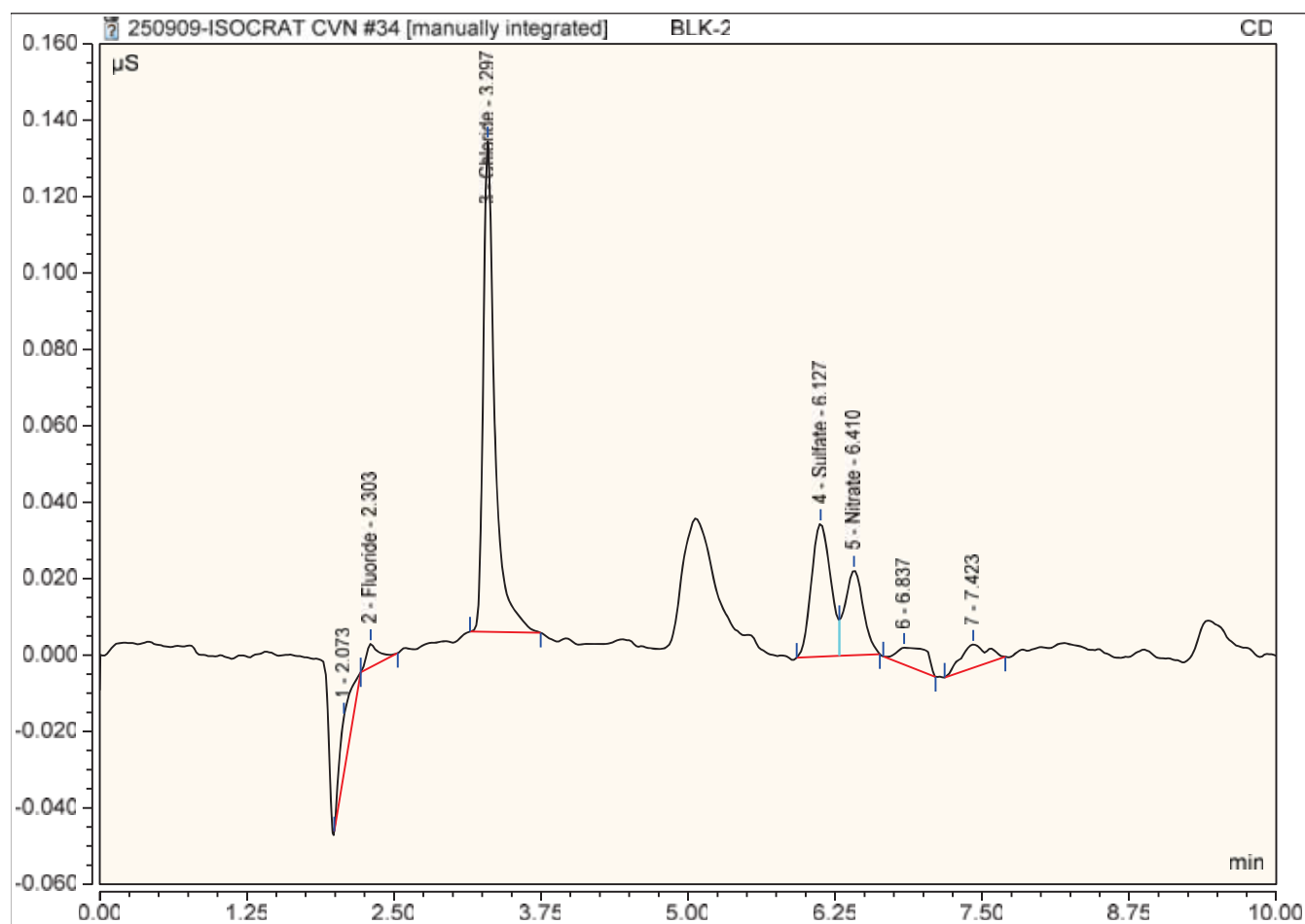
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.002	0.015	0.0264
3	3.27	Chloride	BMB	0.013	0.121	0.1059
4	6.17	Sulfate	BMB	0.007	0.026	0.2748
TOTAL:				0.02	0.16	0.41



Peak Integration Report

Sample Name:	BLK-2	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 16:55	Run Time:	10.00

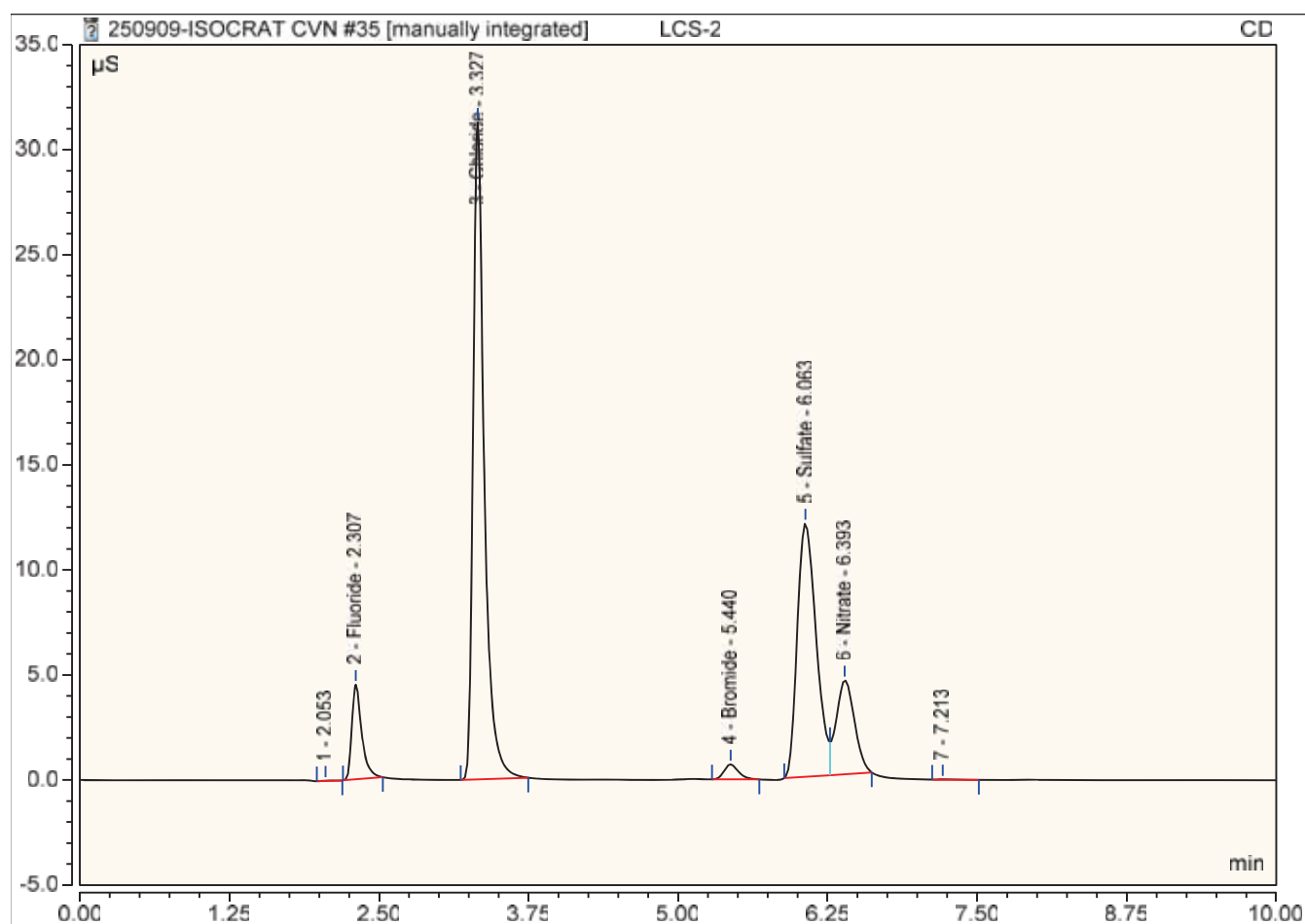
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.001	0.006	0.0248
3	3.30	Chloride	BMB	0.015	0.128	0.1090
4	6.13	Sulfate	BM *	0.007	0.035	0.2731
5	6.41	Nitrate	MB*	0.004	0.022	0.0336
TOTAL:				0.03	0.19	0.44



Peak Integration Report

Sample Name:	LCS-2	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 17:07	Run Time:	10.00

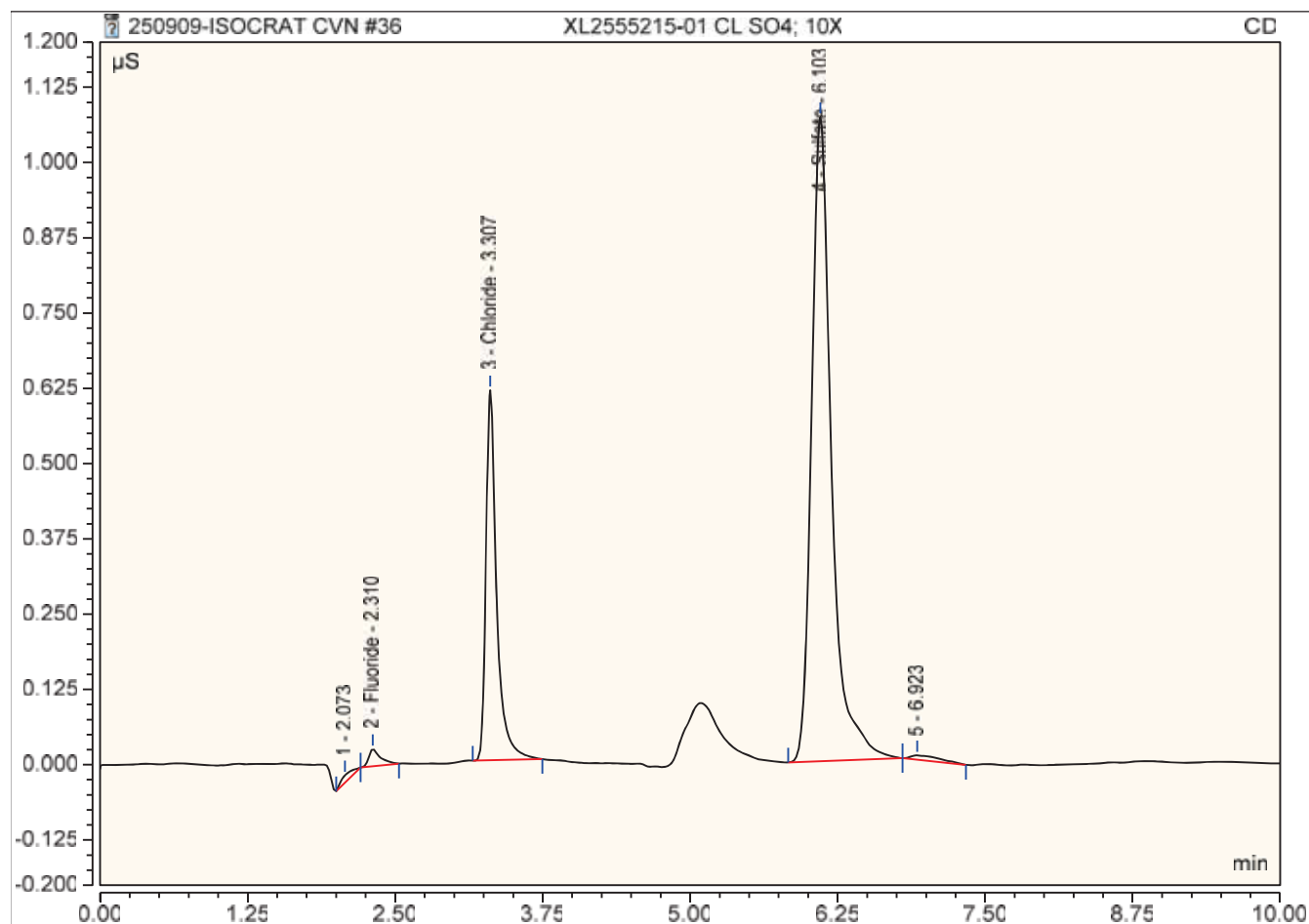
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.430	4.507	0.7164
3	3.33	Chloride	BMB	3.381	31.263	8.0312
4	5.44	Bromide	BMB*	0.100	0.712	0.7582
5	6.06	Sulfate	BM *	2.209	12.058	7.3044
6	6.39	Nitrate	MB*	0.795	4.471	0.7602
TOTAL:				6.92	53.01	17.57



Peak Integration Report

Sample Name:	XL2555215-01 CL SO4; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 17:19	Run Time:	10.00

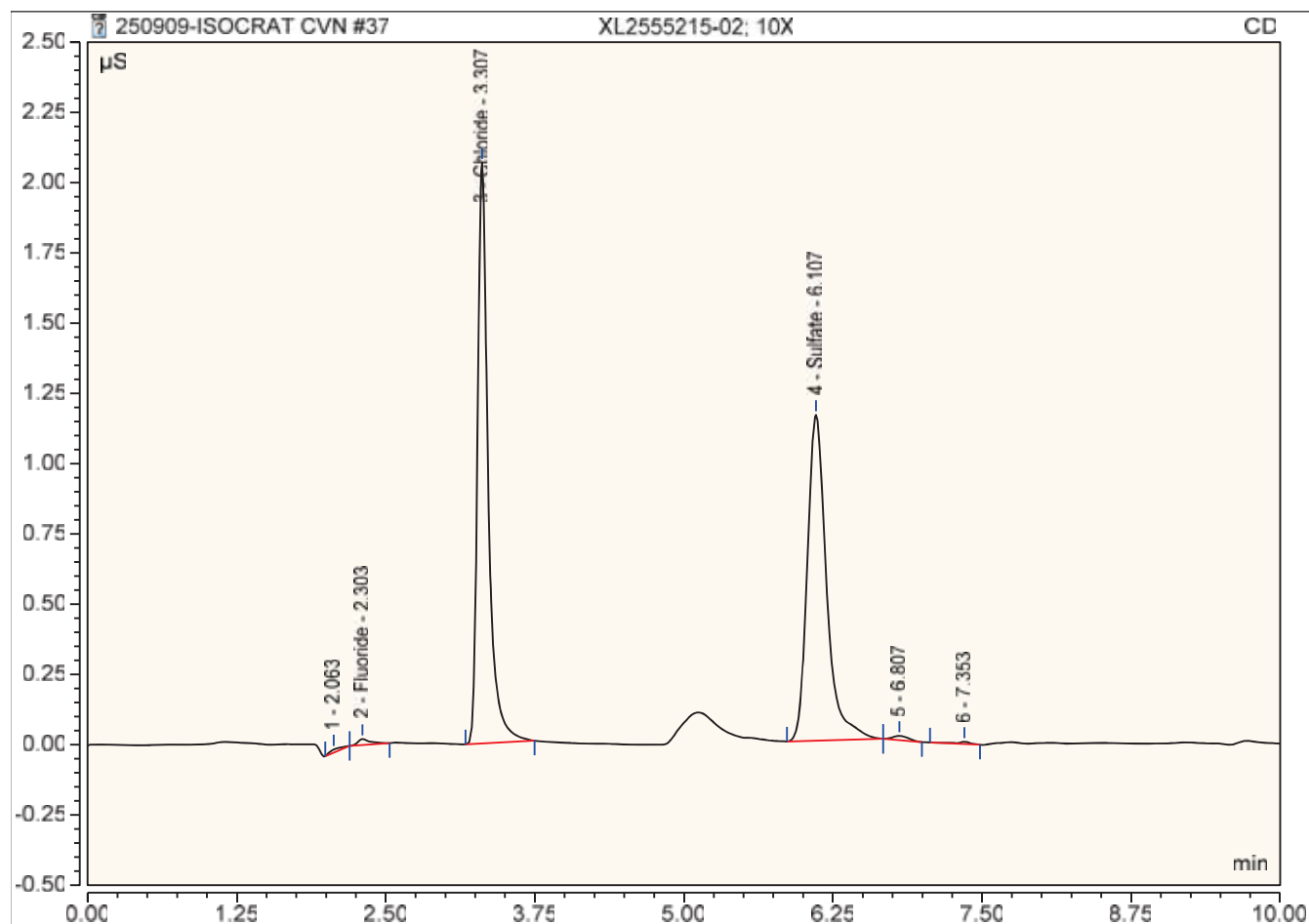
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.003	0.029	0.2890
3	3.31	Chloride	BMB	0.065	0.615	2.2617
4	6.10	Sulfate	BMB	0.210	1.070	9.2111
TOTAL:				0.28	1.71	11.76



Peak Integration Report

Sample Name:	XL2555215-02; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 17:31	Run Time:	10.00

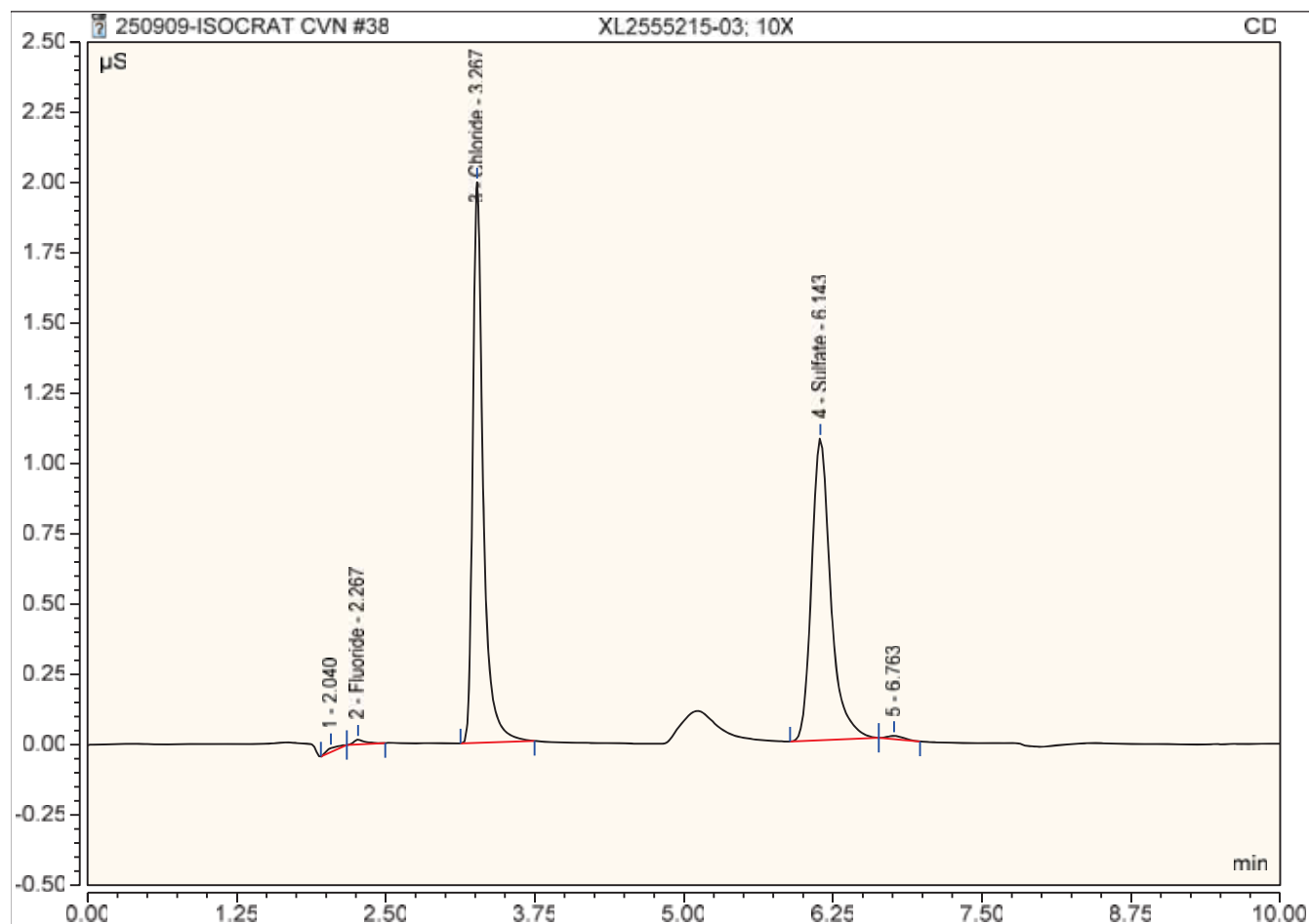
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.003	0.021	0.2779
3	3.31	Chloride	BMB	0.213	2.067	5.7640
4	6.11	Sulfate	BMB	0.217	1.159	9.4365
TOTAL:				0.43	3.25	15.48



Peak Integration Report

Sample Name:	XL2555215-03; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 17:43	Run Time:	10.00

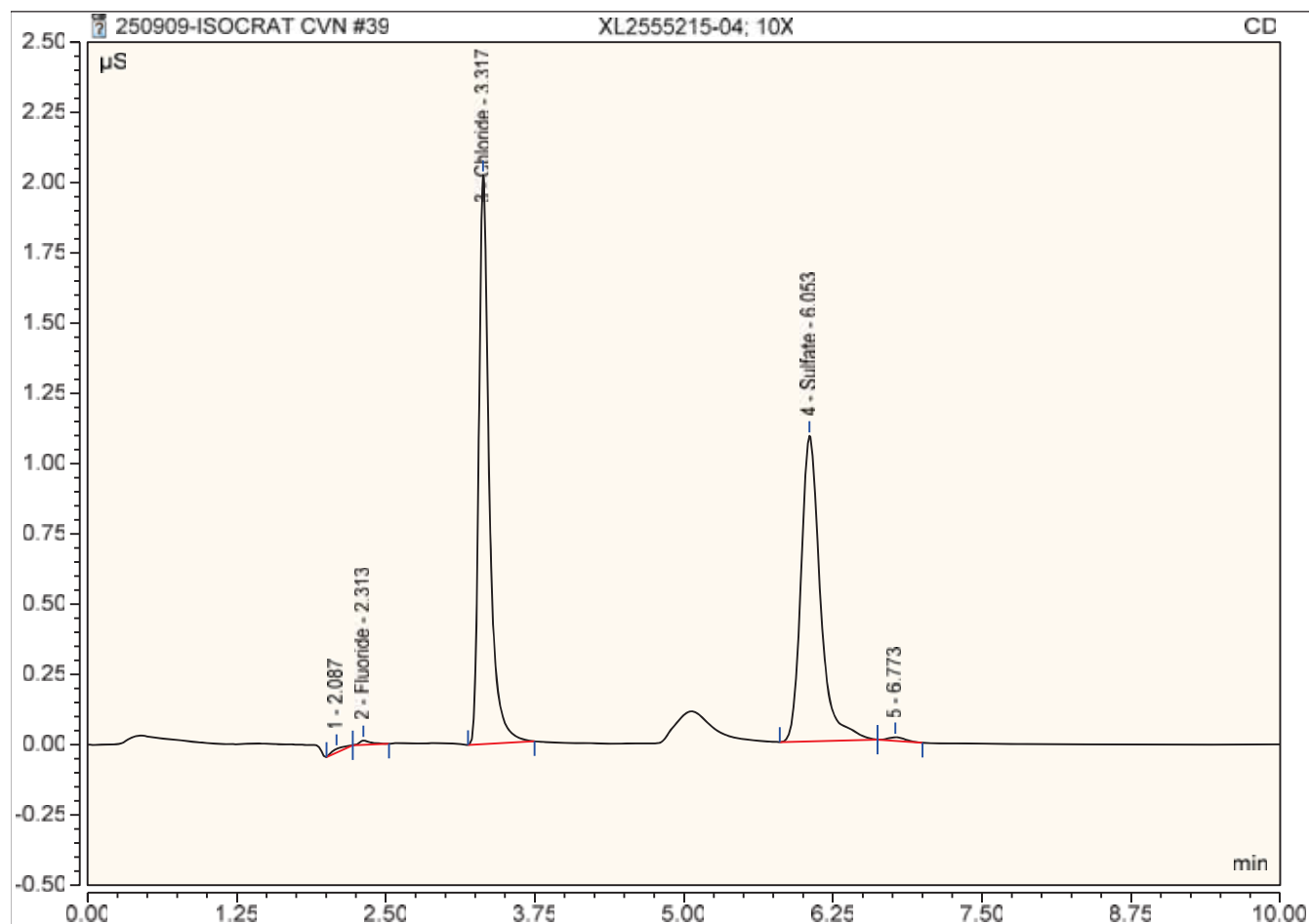
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.002	0.017	0.2672
3	3.27	Chloride	BMB	0.203	1.994	5.5300
4	6.14	Sulfate	BMB	0.201	1.074	8.9214
TOTAL:				0.41	3.09	14.72



Peak Integration Report

Sample Name:	XL2555215-04; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 17:55	Run Time:	10.00

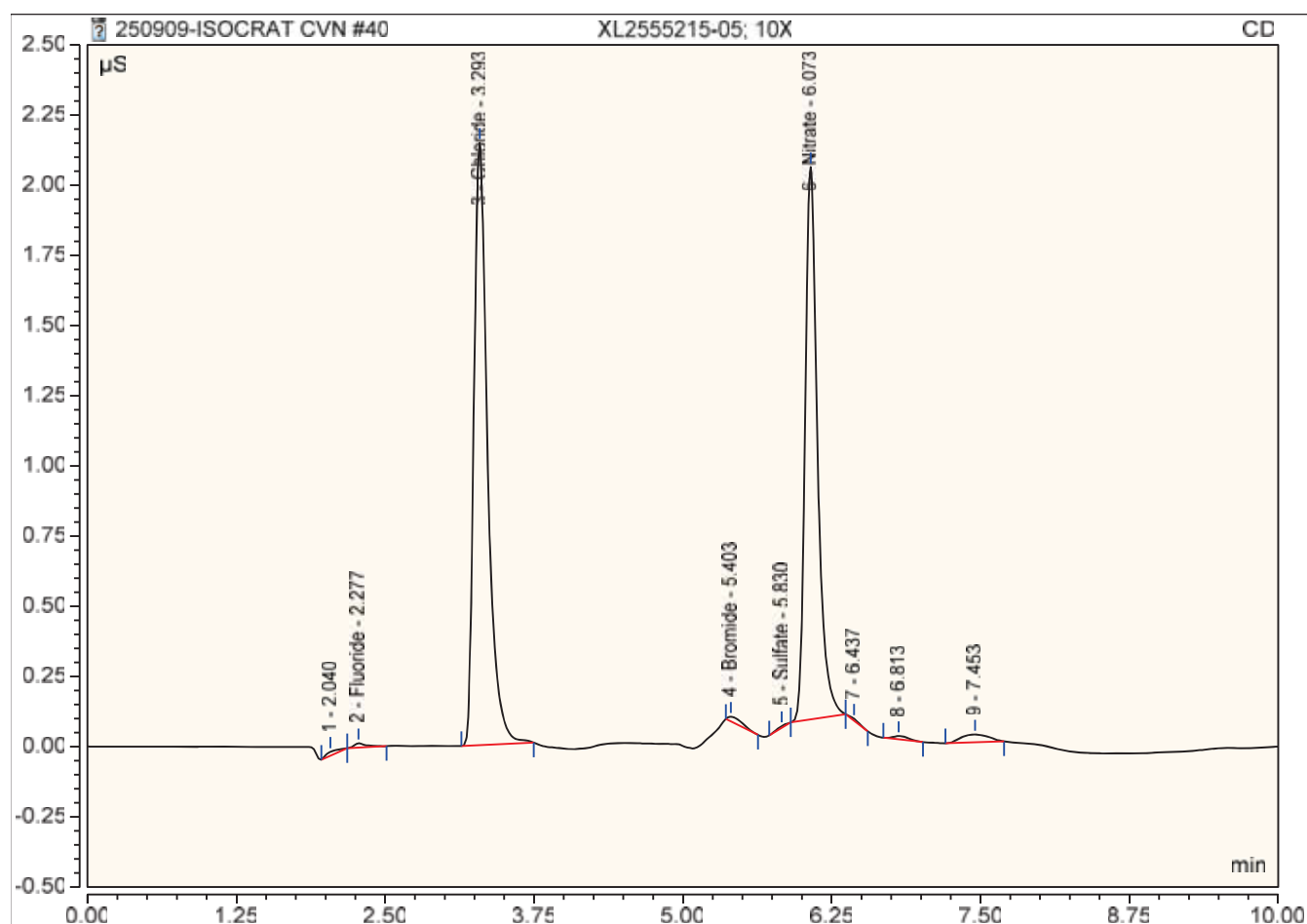
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.002	0.016	0.2642
3	3.32	Chloride	BMB	0.207	2.024	5.6191
4	6.05	Sulfate	BMB	0.204	1.086	9.0207
TOTAL:				0.41	3.13	14.90



Peak Integration Report

Sample Name:	XL2555215-05; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 18:07	Run Time:	10.00

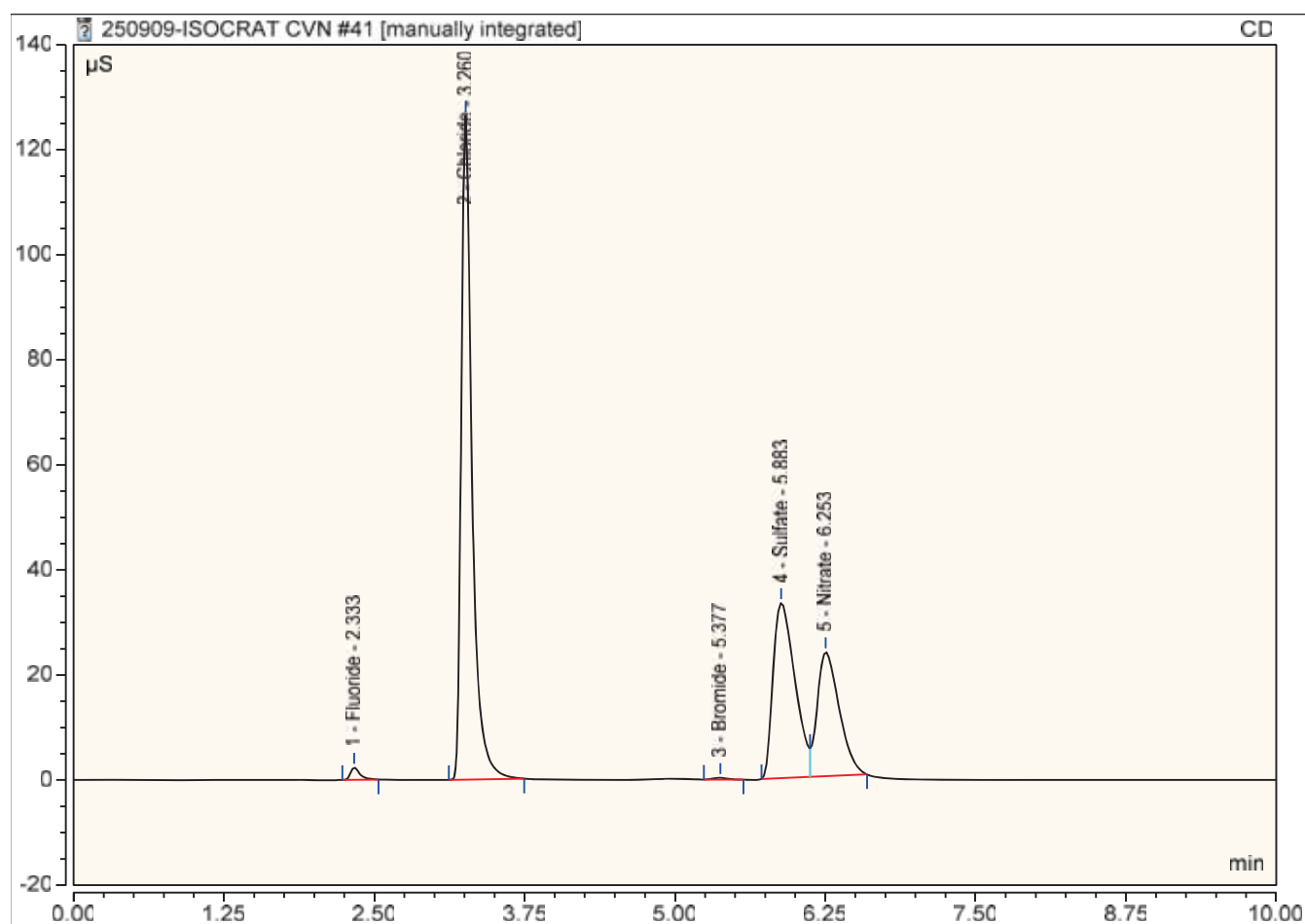
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.002	0.016	0.2662
3	3.29	Chloride	BMB	0.285	2.146	7.4517
4	5.40	Bromide	BMB	0.003	0.017	0.4402
5	5.83	Sulfate	BMB	0.001	0.006	2.5418
6	6.07	Nitrate	BMB	0.235	1.967	2.4615
TOTAL:				0.53	4.15	13.16



Peak Integration Report

Sample Name:	L2555605-02 MS BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 18:19	Run Time:	10.00

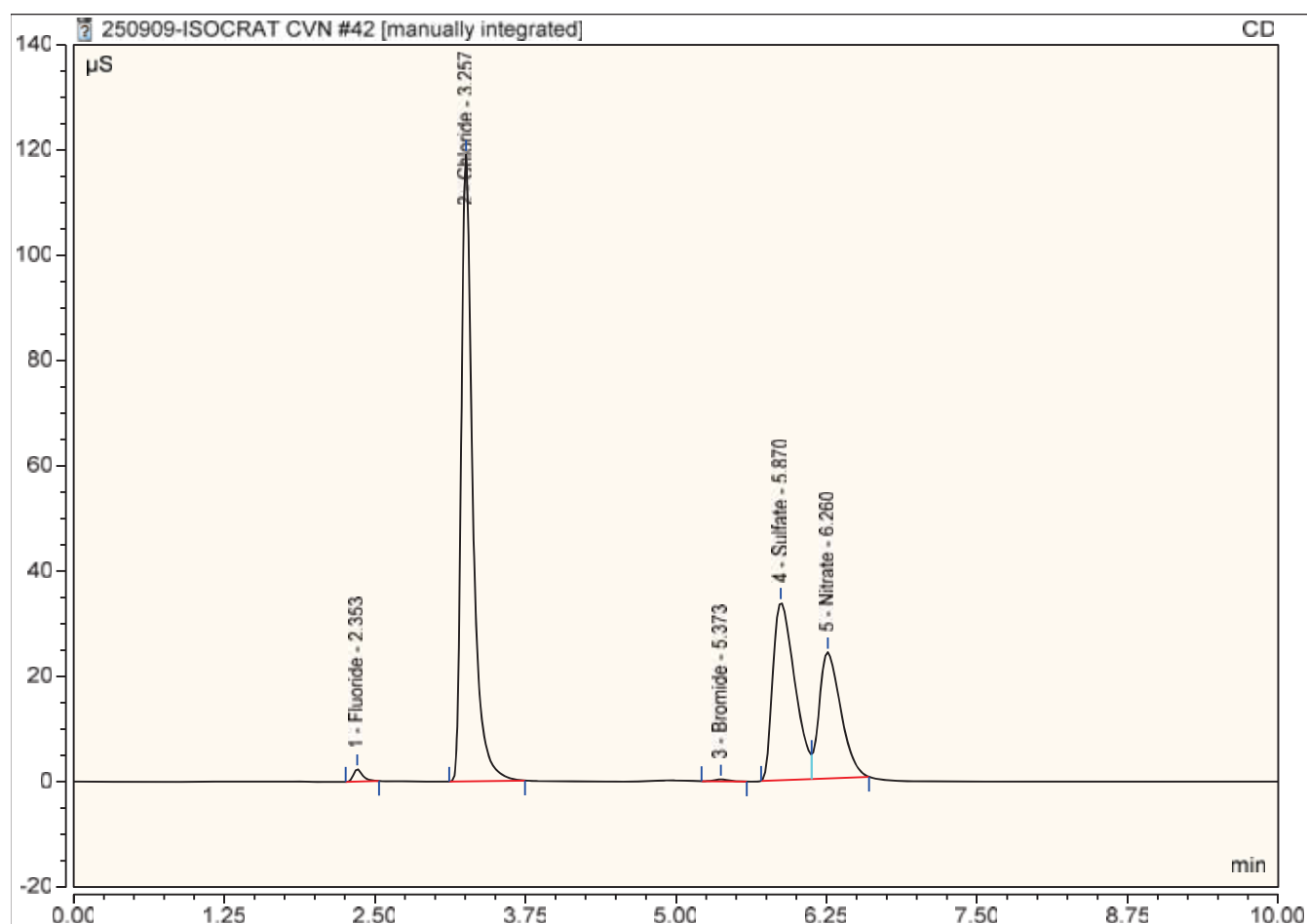
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.213	2.362	0.3667
2	3.26	Chloride	BMB	13.081	126.416	30.8612
3	5.38	Bromide	BMB*	0.046	0.347	0.3601
4	5.88	Sulfate	BM *	7.028	33.359	22.6837
5	6.25	Nitrate	MB*	5.016	23.644	4.6395
TOTAL:				25.38	186.13	58.91



Peak Integration Report

Sample Name:	L2555605-02 MSD	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 18:31	Run Time:	10.00

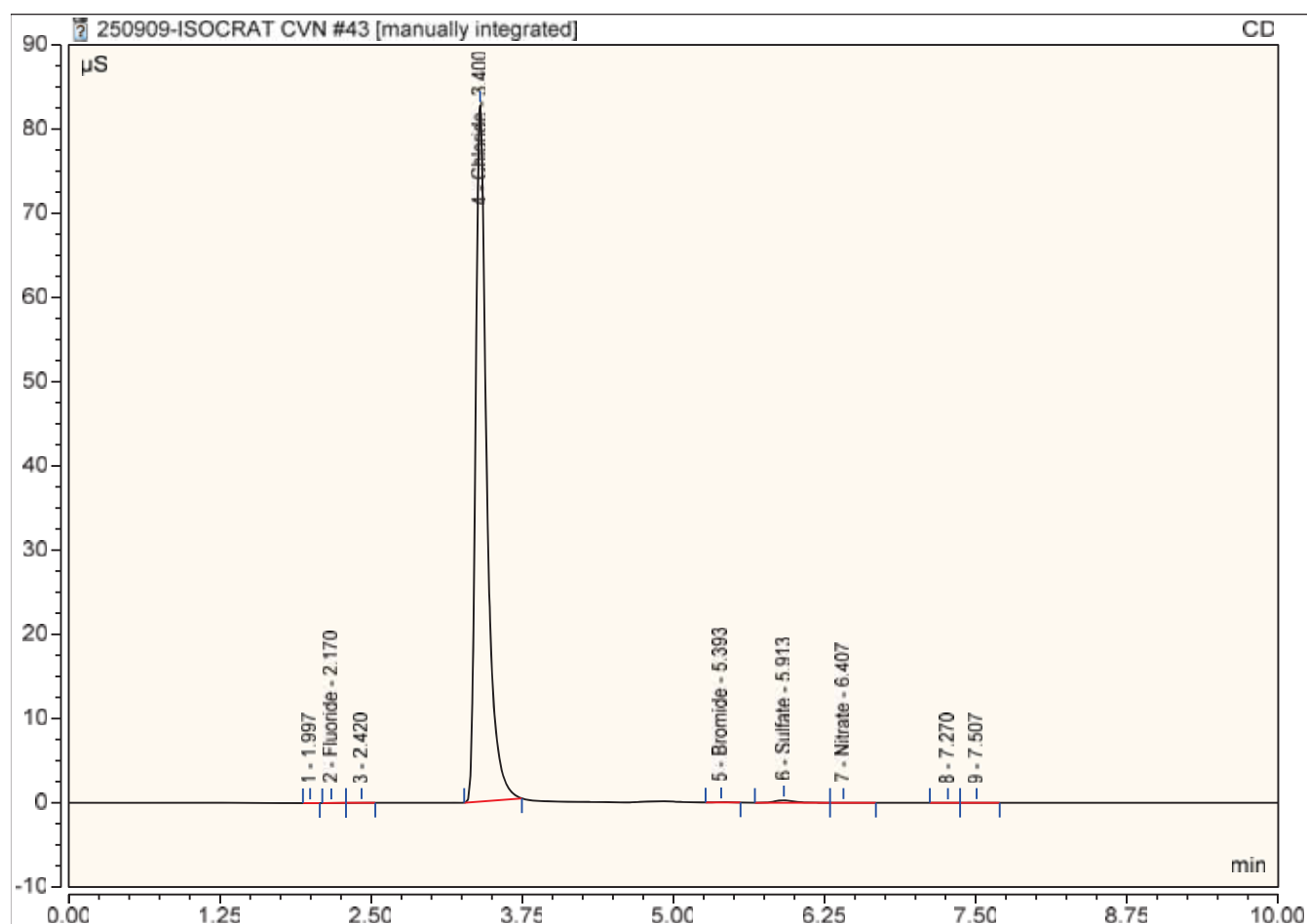
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.35	Fluoride	BMB	0.207	2.341	0.3574
2	3.26	Chloride	BMB	13.111	119.043	30.9302
3	5.37	Bromide	BMB*	0.047	0.355	0.3680
4	5.87	Sulfate	BM *	7.157	33.698	23.0948
5	6.26	Nitrate	MB*	4.987	23.959	4.6130
TOTAL:				25.51	179.40	59.36



Peak Integration Report

Sample Name:	L25585630-01; 250X CL	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	250.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 18:43	Run Time:	10.00

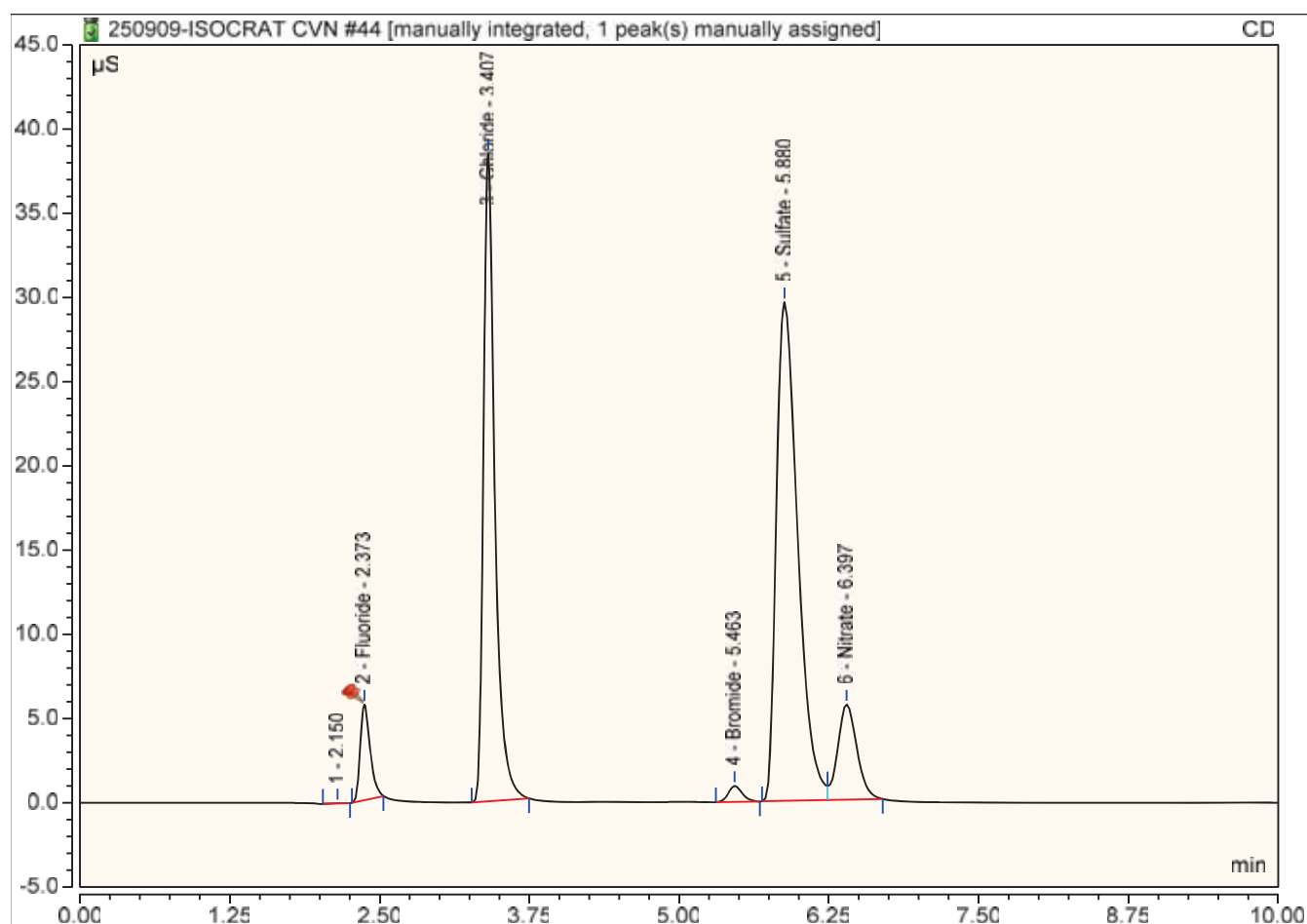
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.17	Fluoride	BMB	0.001	0.005	6.1389
4	3.40	Chloride	BMB	8.905	82.609	5257.8764
5	5.39	Bromide	BMB*	0.006	0.042	16.0394
6	5.91	Sulfate	BM *	0.056	0.278	107.3707
7	6.41	Nitrate	MB*	0.003	0.012	8.1482
TOTAL:				8.97	82.95	5395.57



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 18:56	Run Time:	10.00

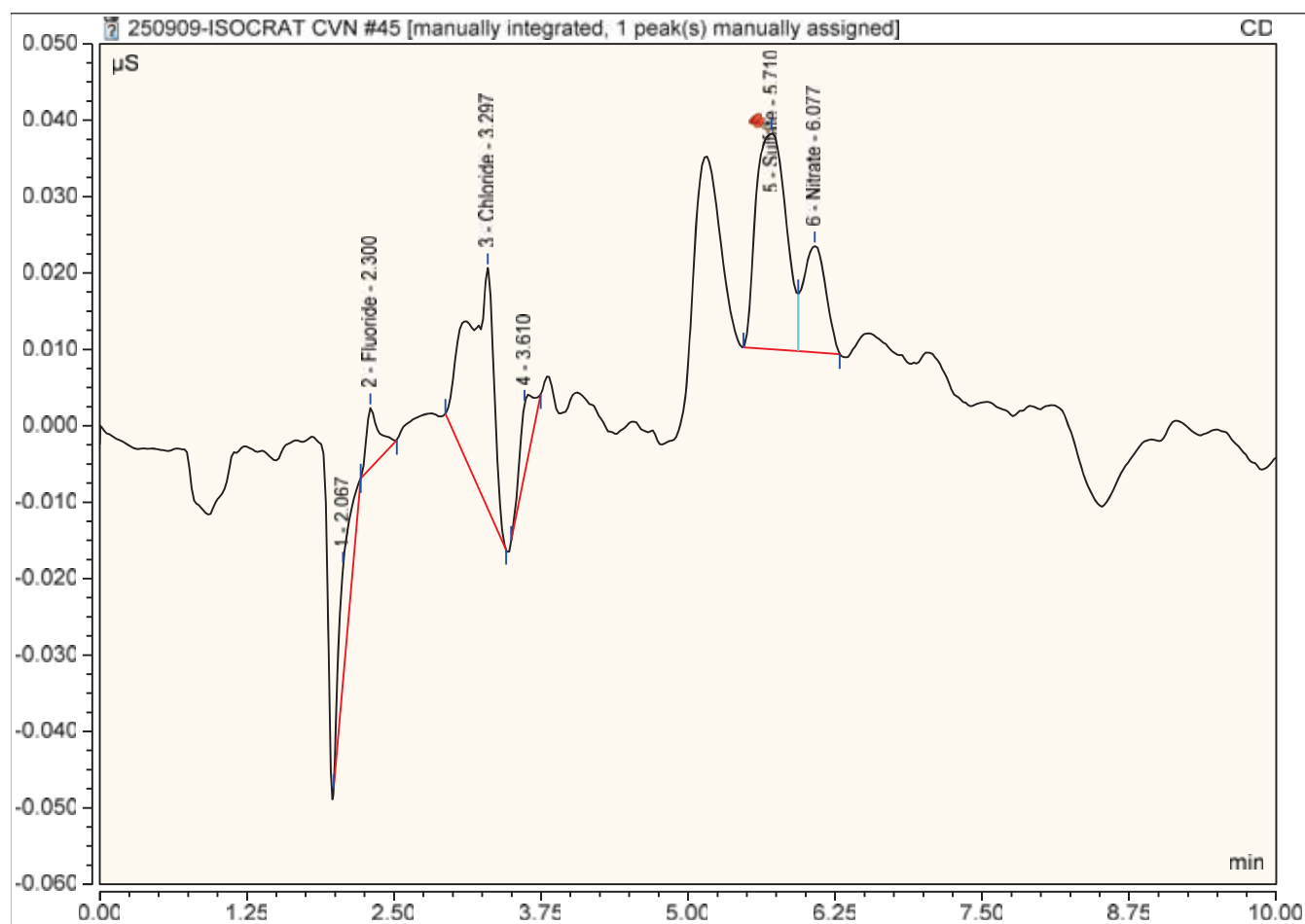
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.37	Fluoride	BMB^	0.545	5.674	0.9014
3	3.41	Chloride	BMB	4.222	38.461	10.0117
4	5.46	Bromide	BMB*	0.128	0.953	0.9618
5	5.88	Sulfate	BM *	6.106	29.604	19.7424
6	6.40	Nitrate	MB*	1.047	5.652	0.9917
TOTAL:				12.05	80.34	32.61



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 19:08	Run Time:	10.00

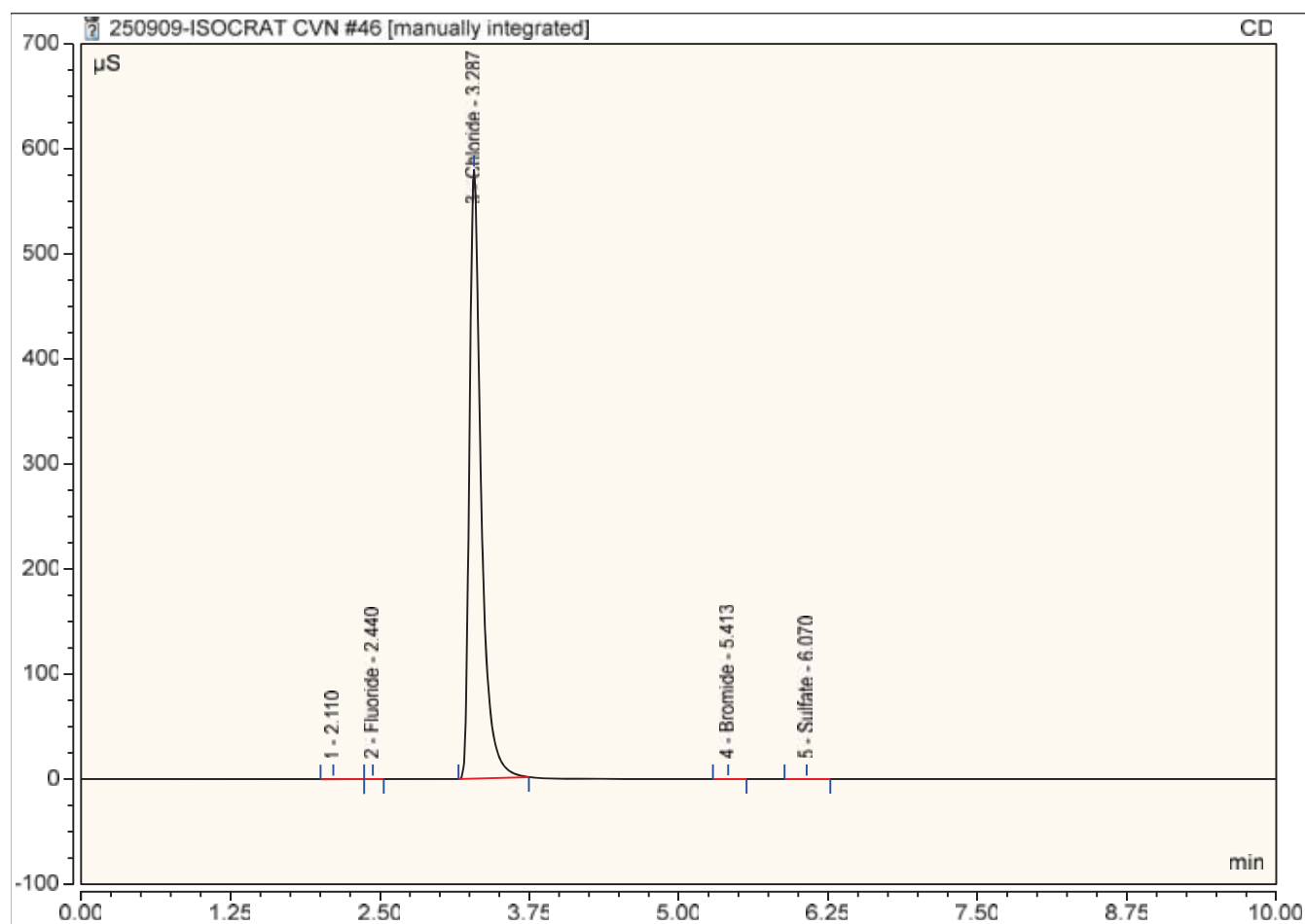
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.001	0.008	0.0252
3	3.30	Chloride	BMB	0.008	0.031	0.0927
5	5.71	Sulfate	BM ^	0.008	0.028	0.2788
6	6.08	Nitrate	MB*	0.003	0.014	0.0328
TOTAL:				0.02	0.08	0.43



Peak Integration Report

Sample Name:	L25558987-04; 250X SO4	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	250.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 19:20	Run Time:	10.00

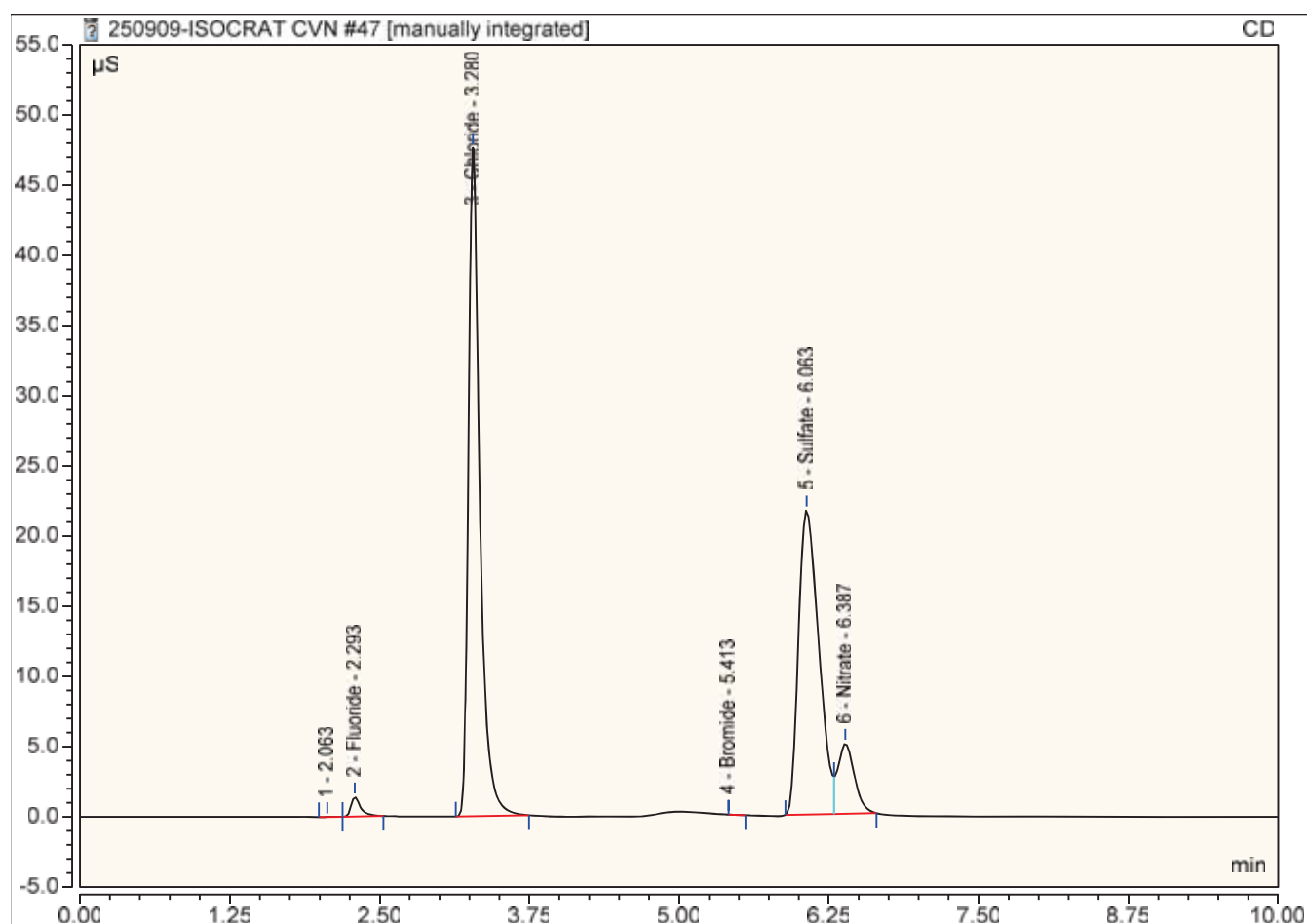
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.44	Fluoride	BMB	0.000	0.005	6.0735
3	3.29	Chloride	BMB	66.668	579.317	39244.1563
4	5.41	Bromide	BMB*	0.016	0.123	35.4395
5	6.07	Sulfate	BMB	0.002	0.012	64.5311
TOTAL:				66.69	579.46	39350.20



Peak Integration Report

Sample Name:	L2556530-01 NO3	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 19:32	Run Time:	10.00

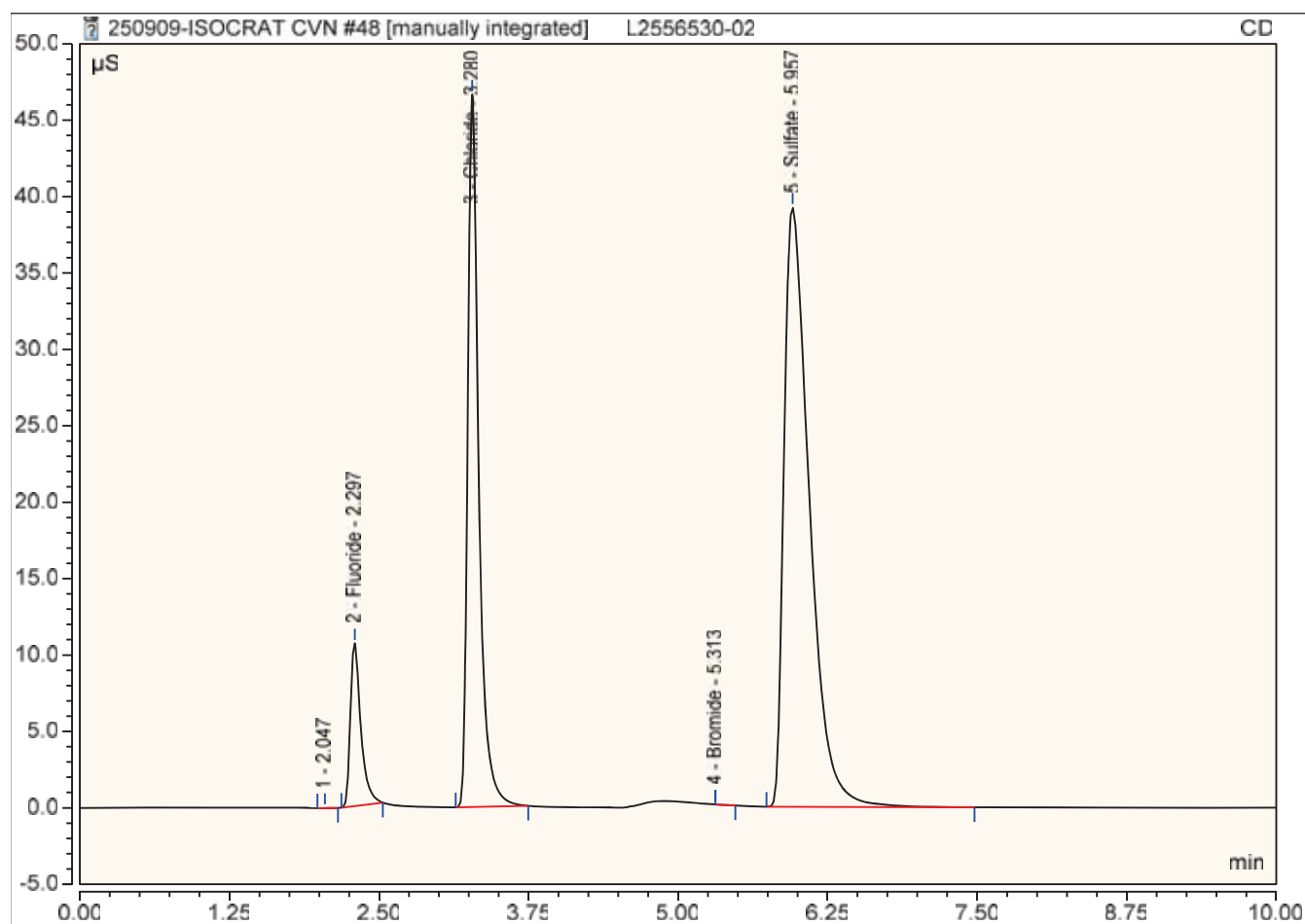
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.129	1.380	0.2315
3	3.28	Chloride	BMB	5.270	47.625	12.4784
4	5.41	Bromide	BMB*	0.000	0.000	0.0250
5	6.06	Sulfate	BM *	4.255	21.676	13.8326
6	6.39	Nitrate	MB*	0.811	5.001	0.7752
TOTAL:				10.47	75.68	27.34



Peak Integration Report

Sample Name:	L2556530-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 19:44	Run Time:	10.00

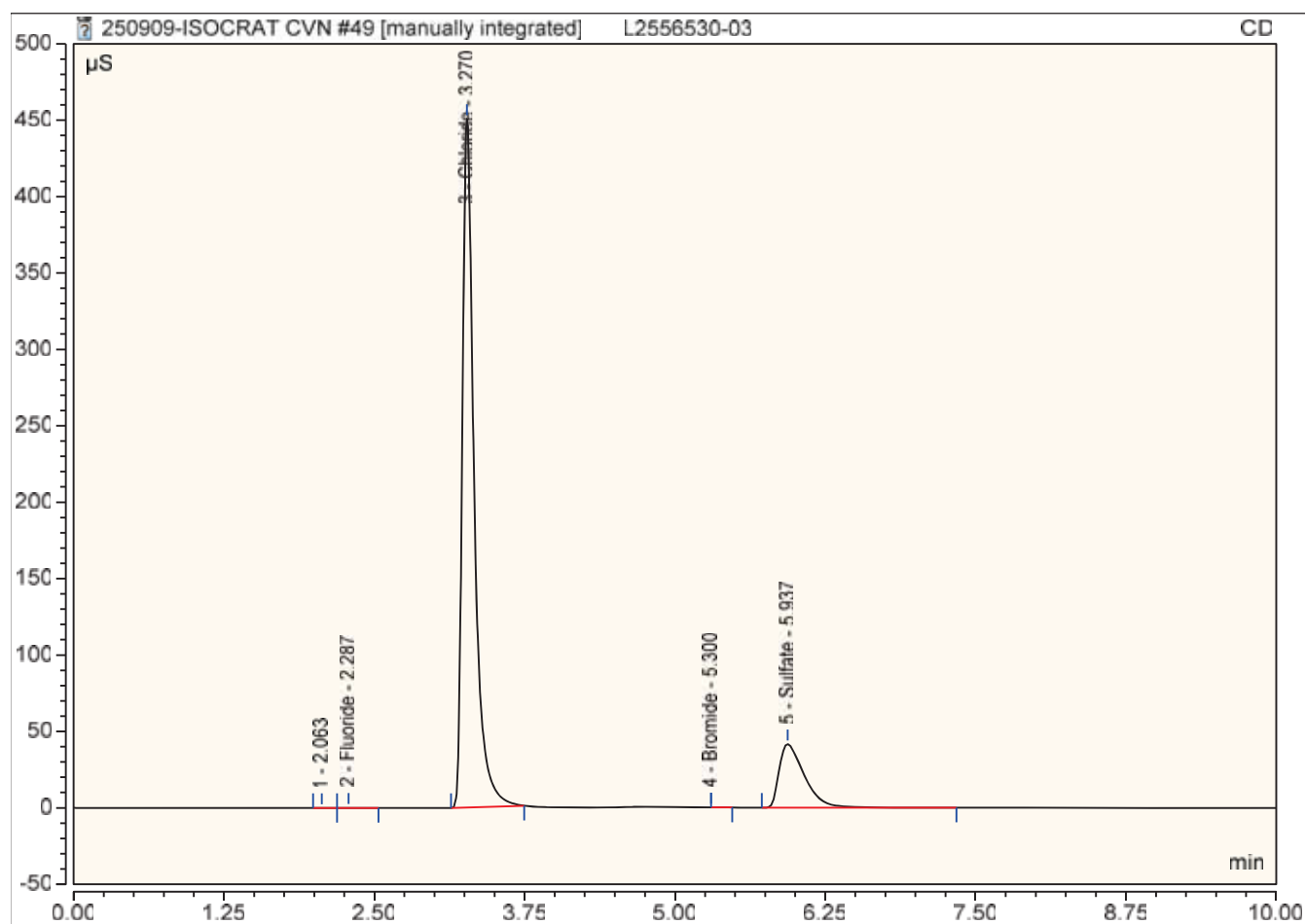
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	1.073	10.645	1.7508
3	3.28	Chloride	BMB	4.983	46.609	11.8026
4	5.31	Bromide	BMB*	0.001	0.000	0.0305
5	5.96	Sulfate	BMB	9.635	39.208	31.0049
TOTAL:				15.69	96.46	44.59



Peak Integration Report

Sample Name:	L2556530-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 19:56	Run Time:	10.00

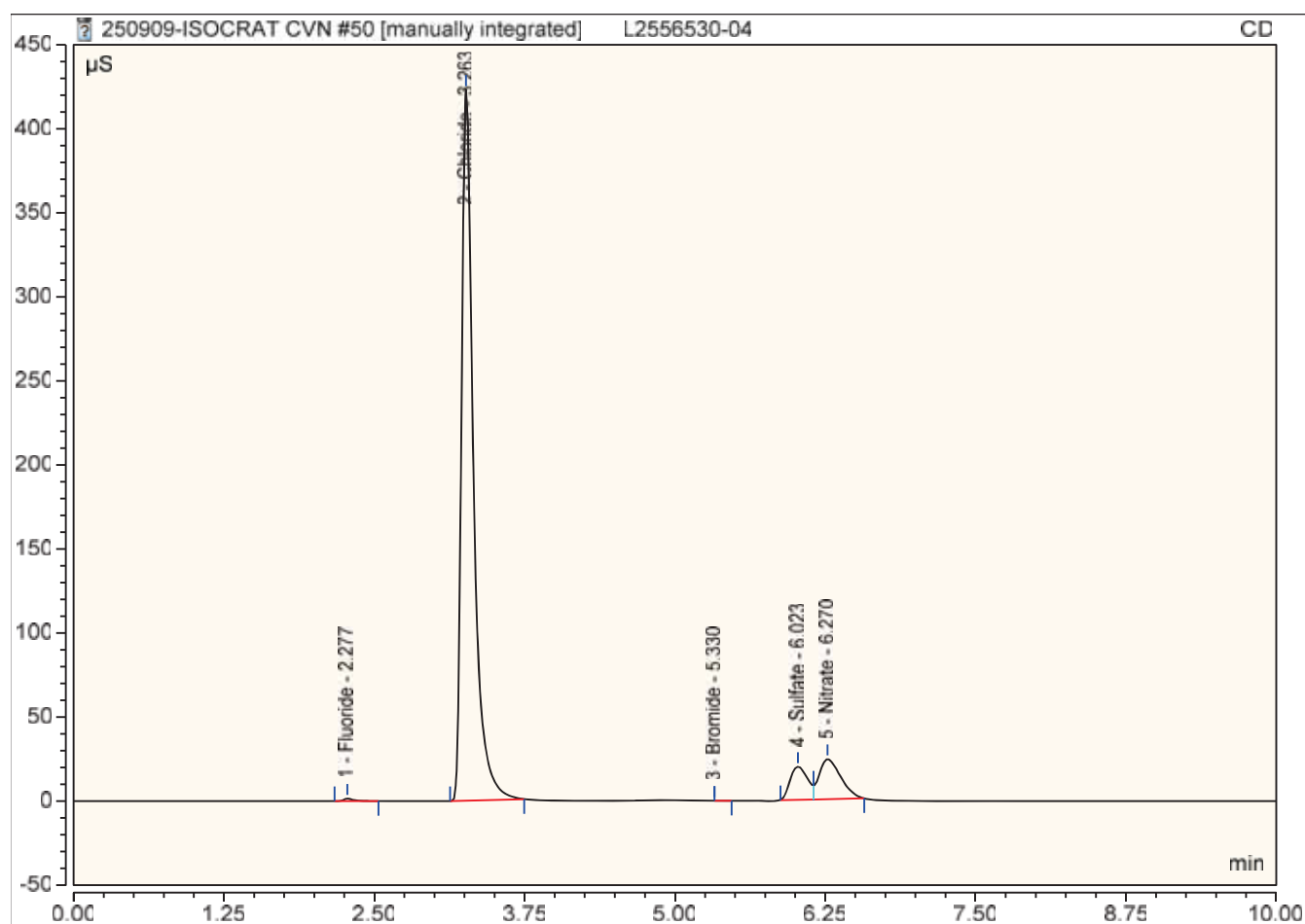
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.018	0.177	0.0528
3	3.27	Chloride	BMB	51.259	450.516	120.7127
4	5.30	Bromide	BMB*	0.002	0.000	0.0346
5	5.94	Sulfate	BMB	10.074	41.501	32.4073
TOTAL:				61.35	492.19	153.21



Peak Integration Report

Sample Name:	L2556530-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 20:08	Run Time:	10.00

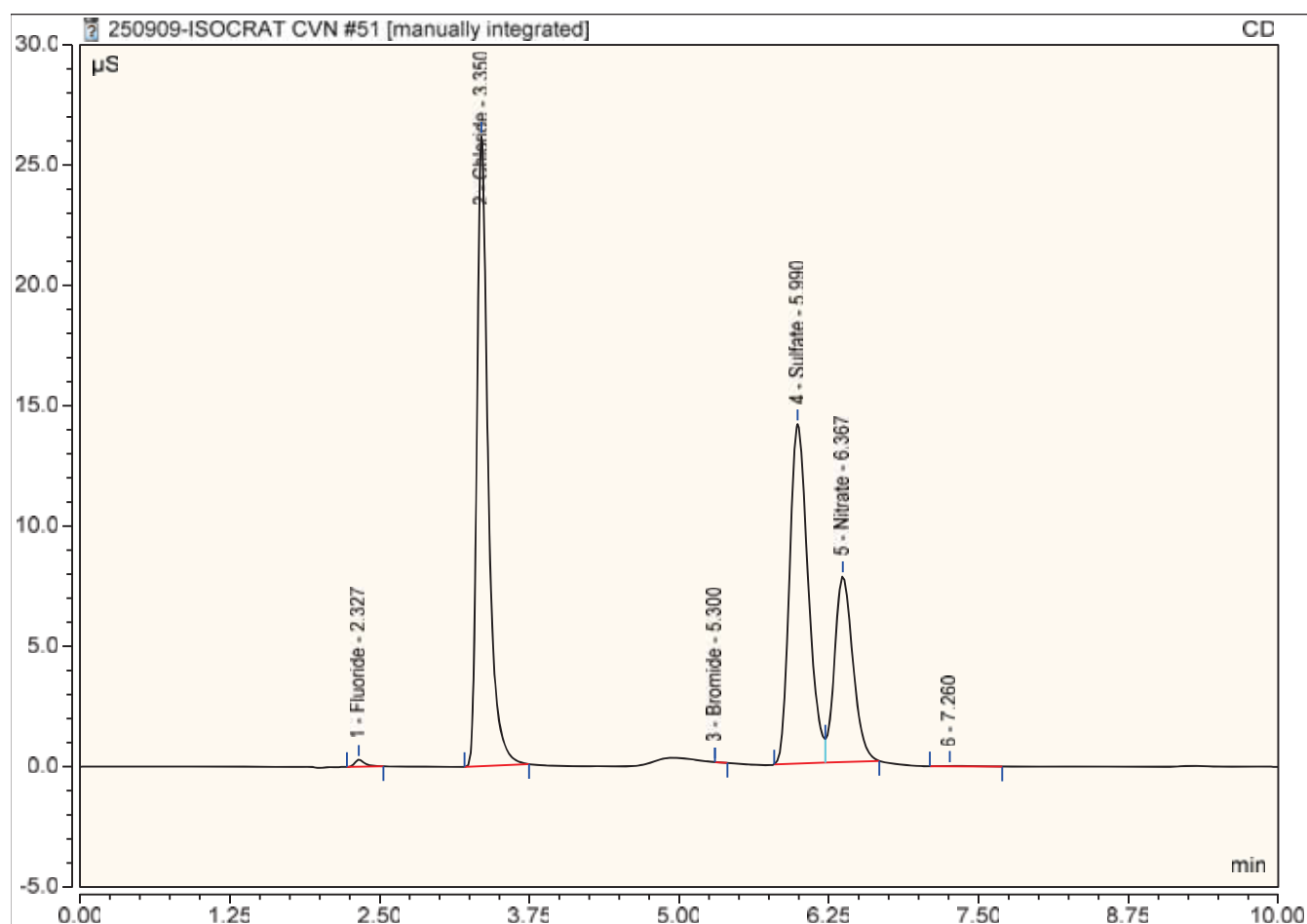
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.28	Fluoride	BMB	0.140	1.480	0.2491
2	3.26	Chloride	BMB	48.670	422.964	114.6196
3	5.33	Bromide	BMB*	0.001	0.000	0.0275
4	6.02	Sulfate	BM *	3.286	19.550	10.7391
5	6.27	Nitrate	MB*	4.952	23.771	4.5801
TOTAL:				57.05	467.77	130.22



Peak Integration Report

Sample Name:	L2556531-01 NO3	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 20:20	Run Time:	10.00

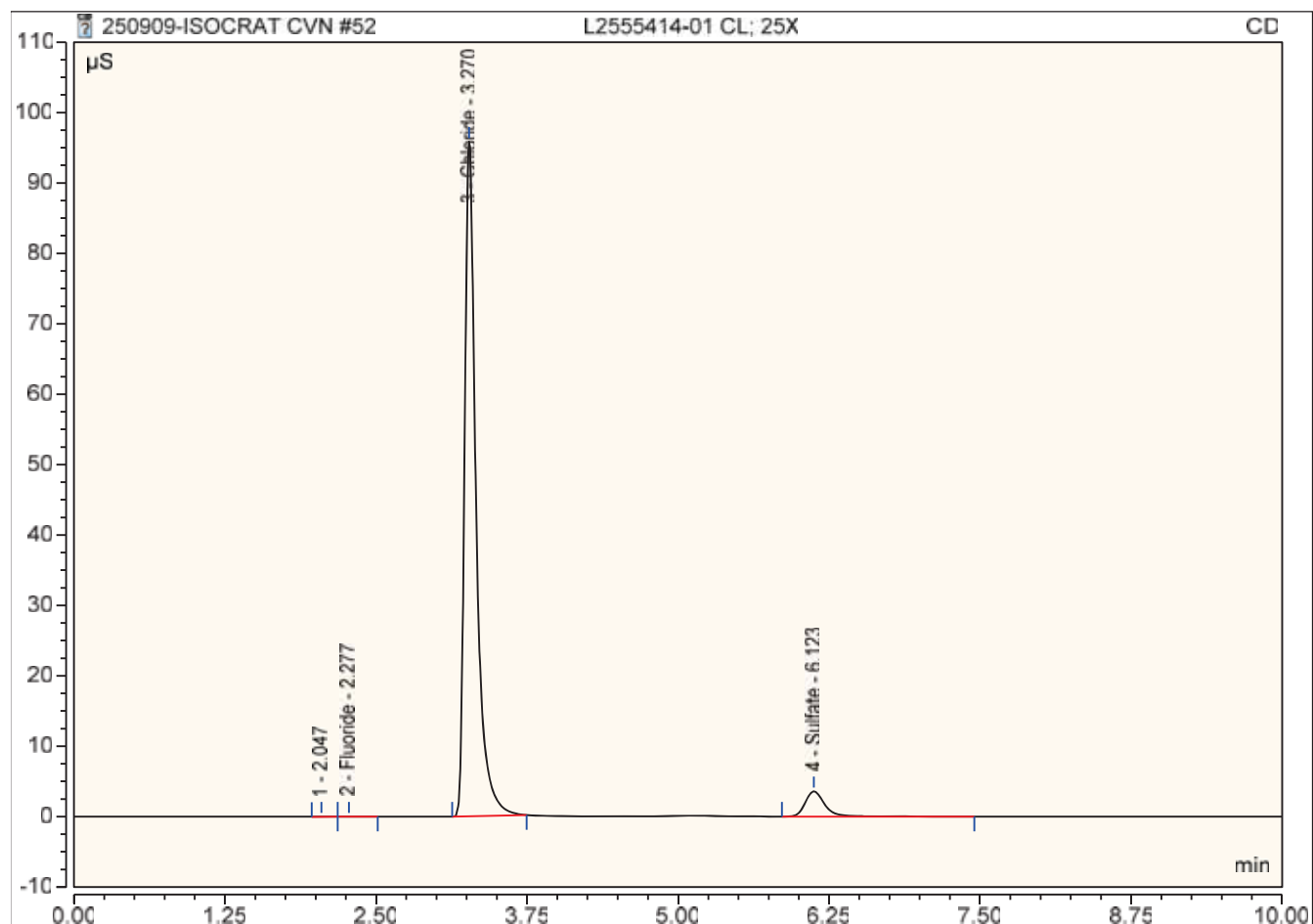
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.029	0.296	0.0702
2	3.35	Chloride	BMB	2.862	26.165	6.8093
3	5.30	Bromide	BMB*	0.000	0.000	0.0233
4	5.99	Sulfate	BM *	2.540	14.107	8.3606
5	6.37	Nitrate	MB*	1.378	7.732	1.2965
TOTAL:				6.81	48.30	16.56



Peak Integration Report

Sample Name:	L2555414-01 CL; 25X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	25.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 20:32	Run Time:	10.00

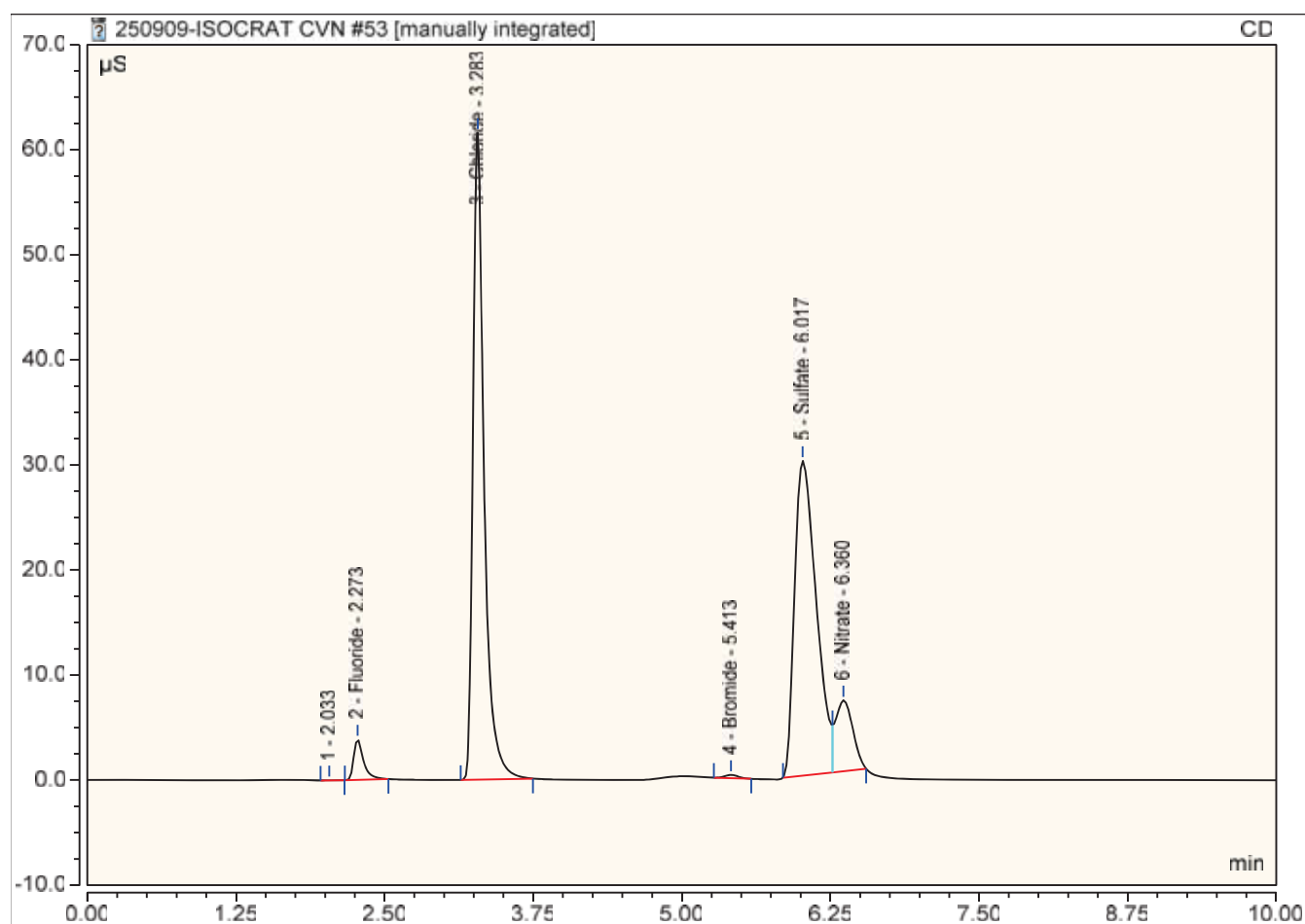
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.001	0.011	0.6501
3	3.27	Chloride	BMB	10.516	95.782	620.5640
4	6.12	Sulfate	BMB	0.670	3.572	59.7335
TOTAL:				11.19	99.36	680.95



Peak Integration Report

Sample Name:	L2556530-01 MS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 20:44	Run Time:	10.00

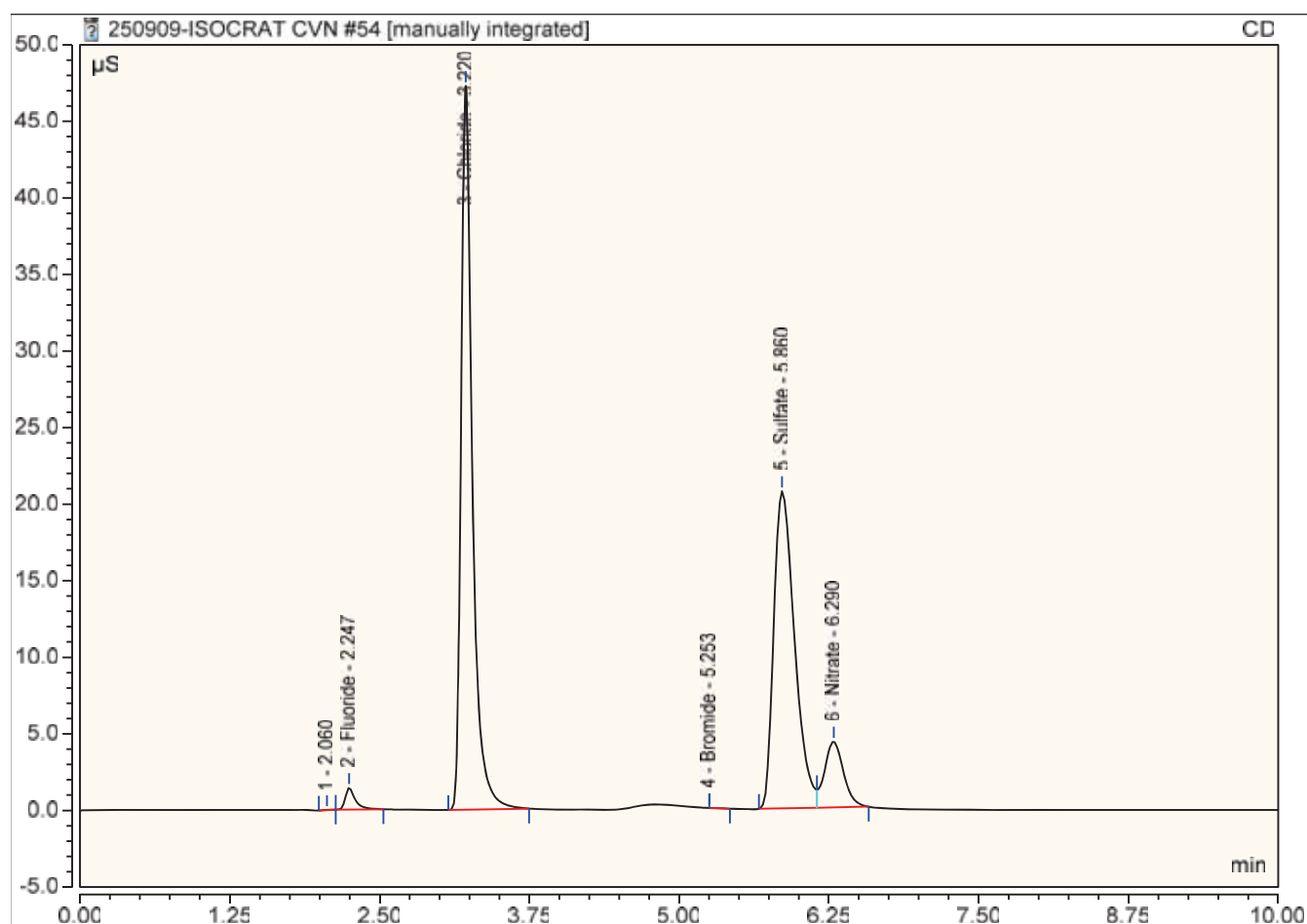
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.367	3.842	0.6152
3	3.28	Chloride	BMB	6.686	61.559	15.8092
4	5.41	Bromide	BMB*	0.040	0.304	0.3158
5	6.02	Sulfate	BM *	6.329	29.965	20.4519
6	6.36	Nitrate	MB*	1.147	6.744	1.0836
TOTAL:				14.57	102.41	38.28



Peak Integration Report

Sample Name:	L2556530-01 DUP	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 20:56	Run Time:	10.00

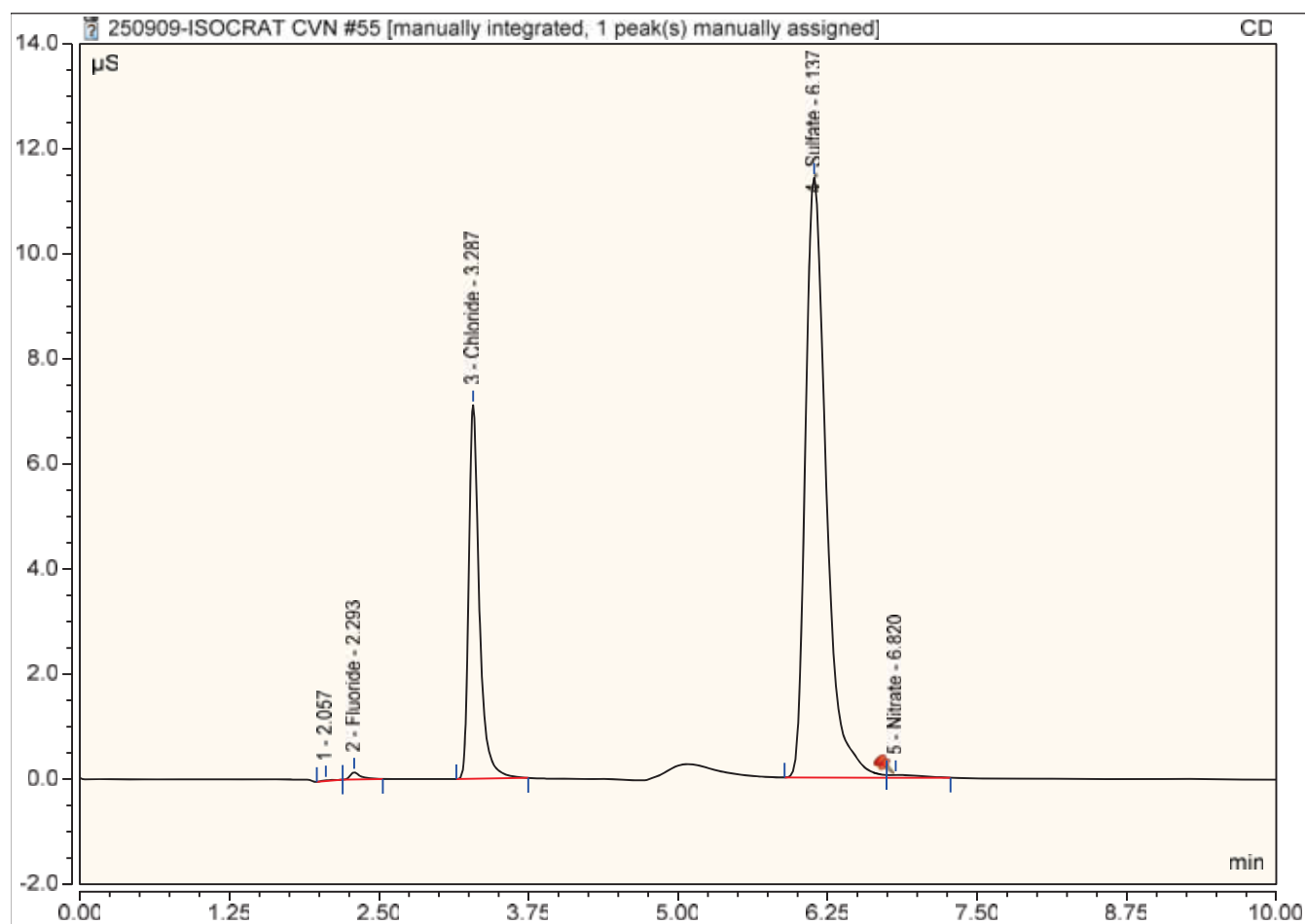
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.25	Fluoride	BMB	0.136	1.422	0.2420
3	3.22	Chloride	BMB	5.154	47.261	12.2047
4	5.25	Bromide	BMB*	0.000	0.000	0.0250
5	5.86	Sulfate	BM *	4.160	20.718	13.5297
6	6.29	Nitrate	MB*	0.789	4.301	0.7554
TOTAL:				10.24	73.70	26.76



Peak Integration Report

Sample Name:	L2555215-01 CL SO4	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 21:08	Run Time:	10.00

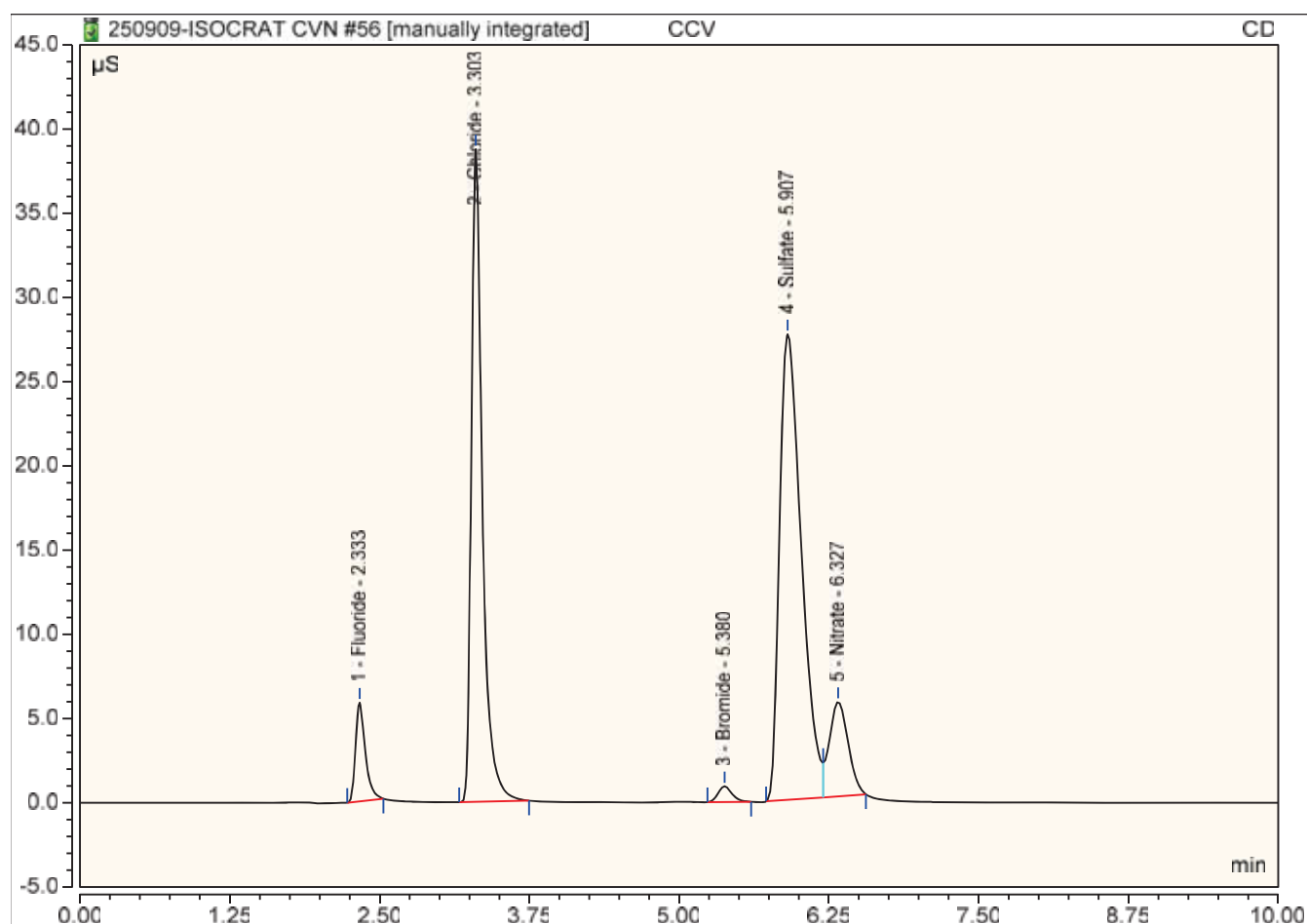
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.014	0.133	0.0457
3	3.29	Chloride	BMB	0.734	7.114	1.8008
4	6.14	Sulfate	BM *	2.297	11.422	7.5823
5	6.82	Nitrate	MB^A	0.017	0.053	0.0454
TOTAL:				3.06	18.72	9.47



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 21:21	Run Time:	10.00

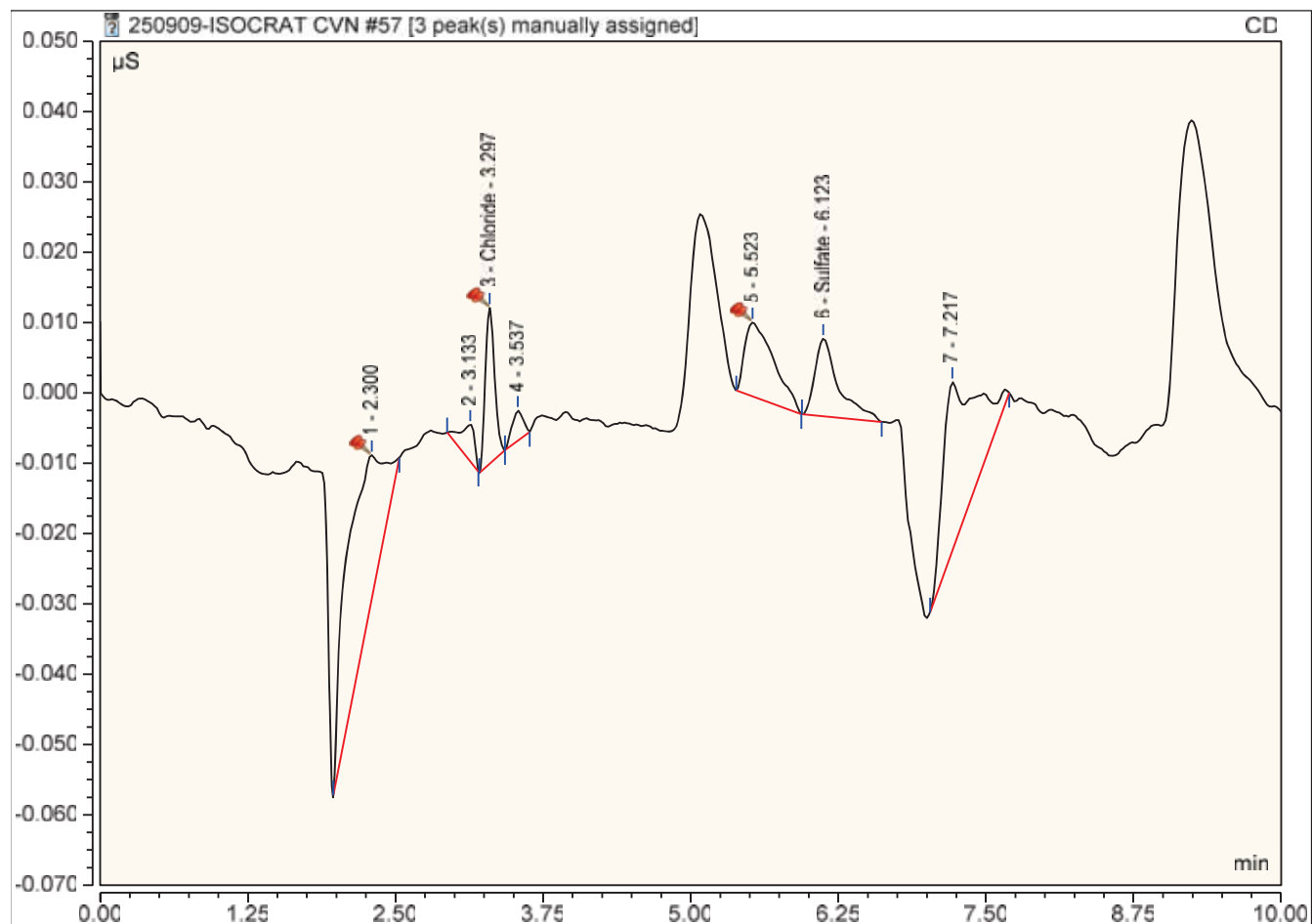
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.554	5.856	0.9165
2	3.30	Chloride	BMB	4.137	38.744	9.8110
3	5.38	Bromide	BMB*	0.125	0.925	0.9418
4	5.91	Sulfate	BM *	5.836	27.643	18.8783
5	6.33	Nitrate	MB*	1.022	5.603	0.9688
TOTAL:				11.67	78.77	31.52



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 21:33	Run Time:	10.00

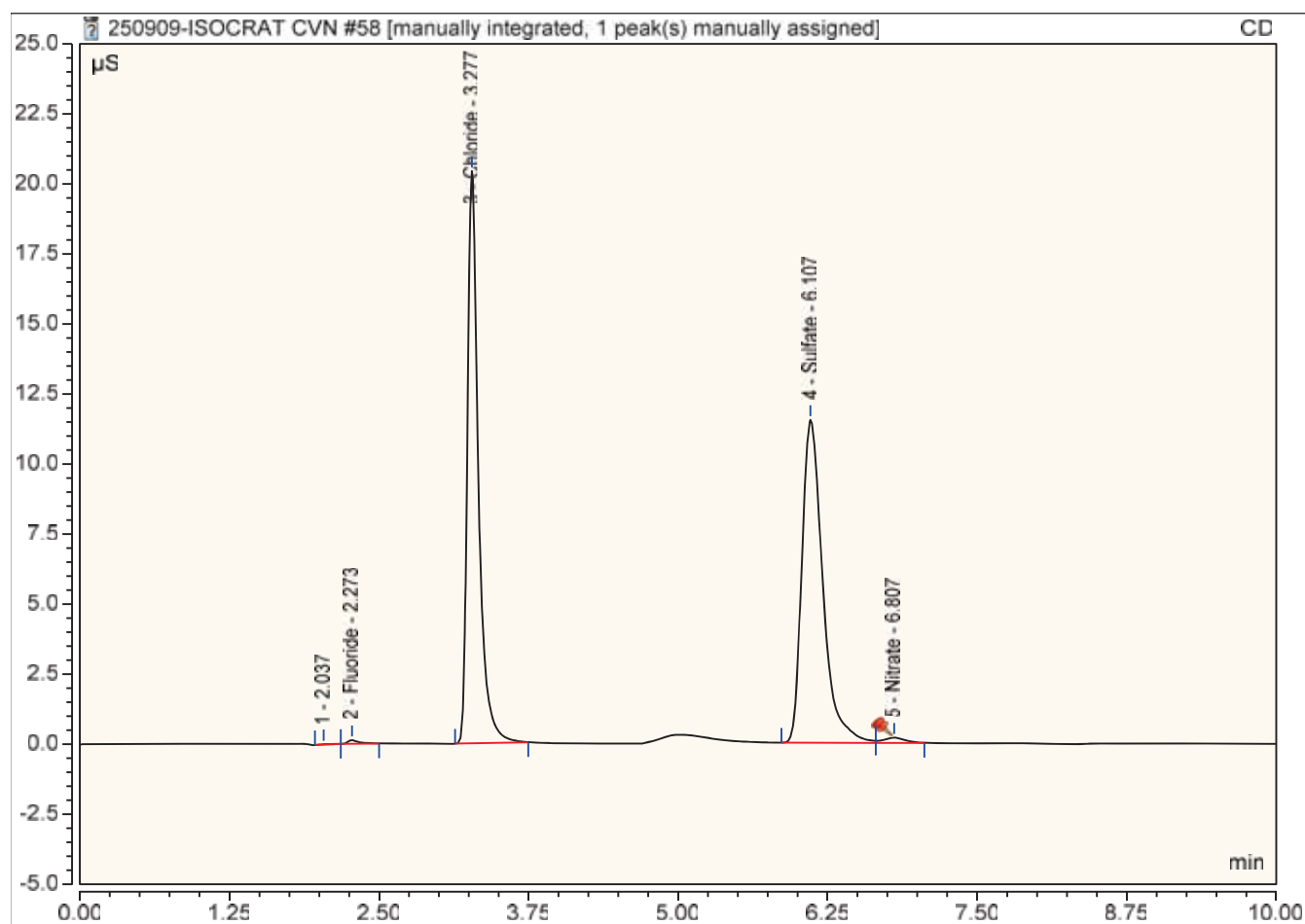
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	3.30	Chloride	BMB^	0.002	0.022	0.0791
6	6.12	Sulfate	BMB	0.003	0.011	0.2603
TOTAL:				0.00	0.03	0.34



Peak Integration Report

Sample Name:	L2555215-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 21:45	Run Time:	10.00

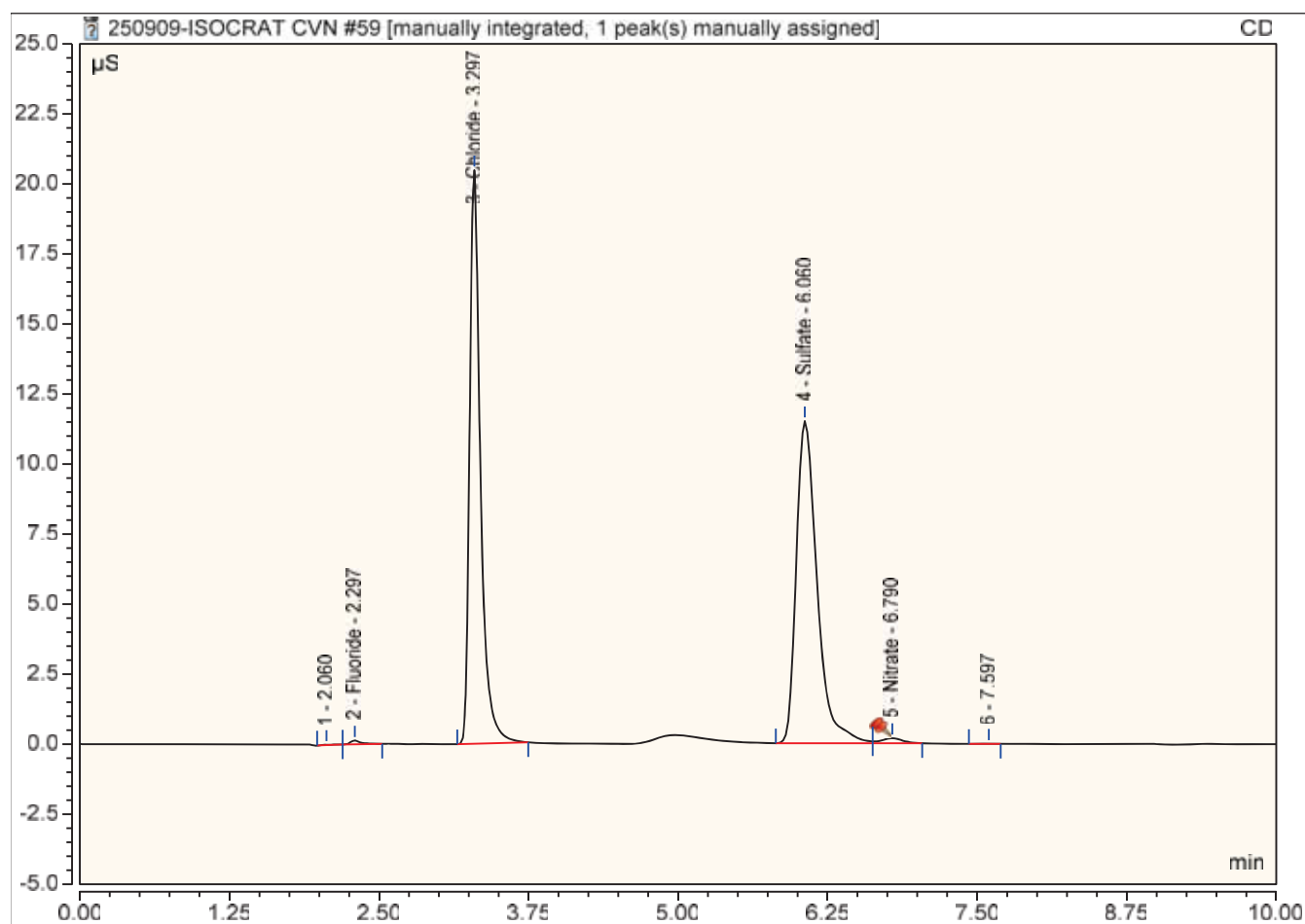
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.014	0.134	0.0457
3	3.28	Chloride	BMB	2.175	20.428	5.1922
4	6.11	Sulfate	BM *	2.330	11.528	7.6879
5	6.81	Nitrate	MB^A	0.038	0.181	0.0645
TOTAL:				4.56	32.27	12.99



Peak Integration Report

Sample Name:	L2555215-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 21:57	Run Time:	10.00

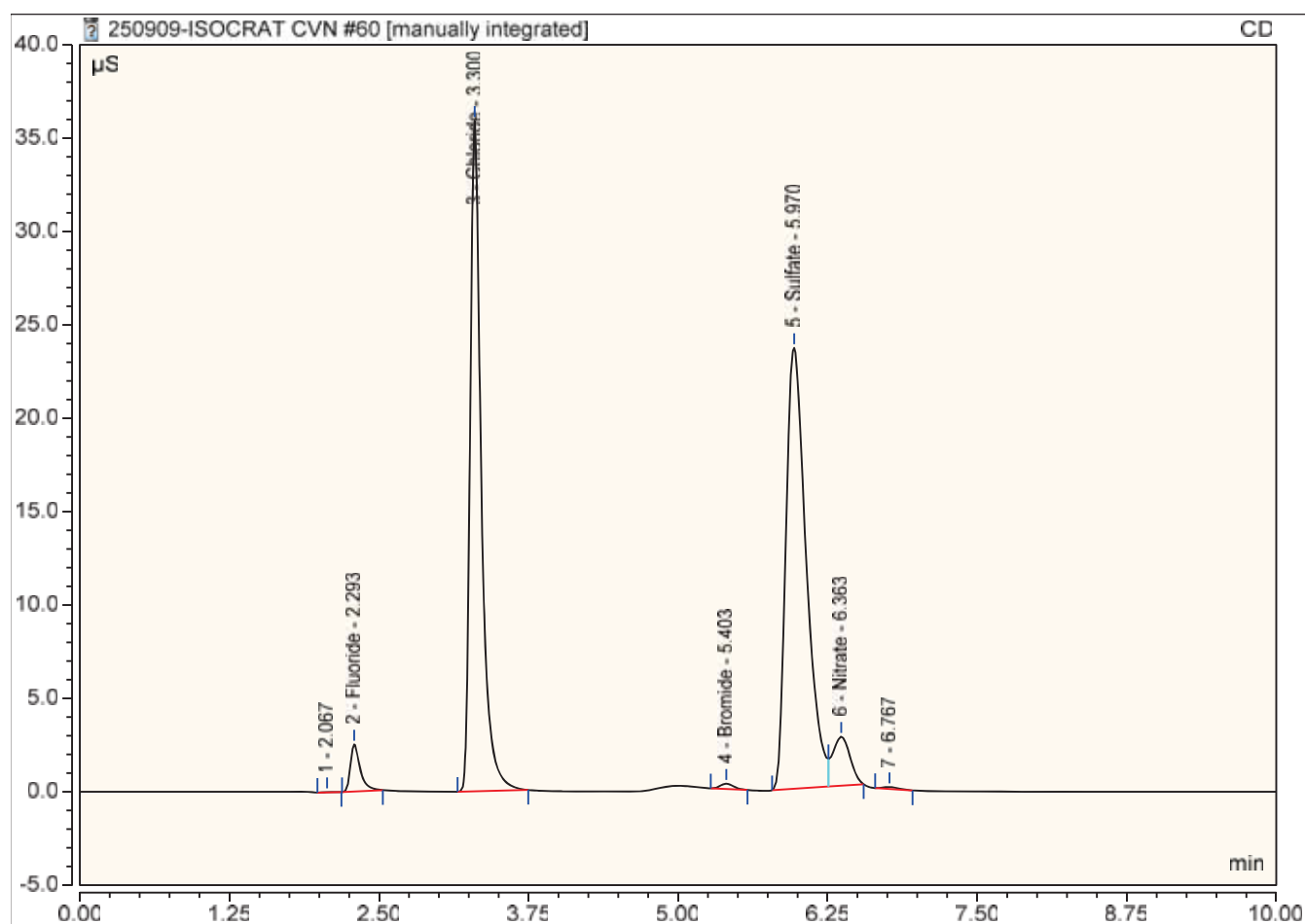
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.014	0.133	0.0458
3	3.30	Chloride	BMB	2.157	20.467	5.1510
4	6.06	Sulfate	BM *	2.321	11.494	7.6601
5	6.79	Nitrate	MB^A	0.038	0.183	0.0646
TOTAL:				4.53	32.28	12.92



Peak Integration Report

Sample Name:	L2225215-04 MS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 22:09	Run Time:	10.00

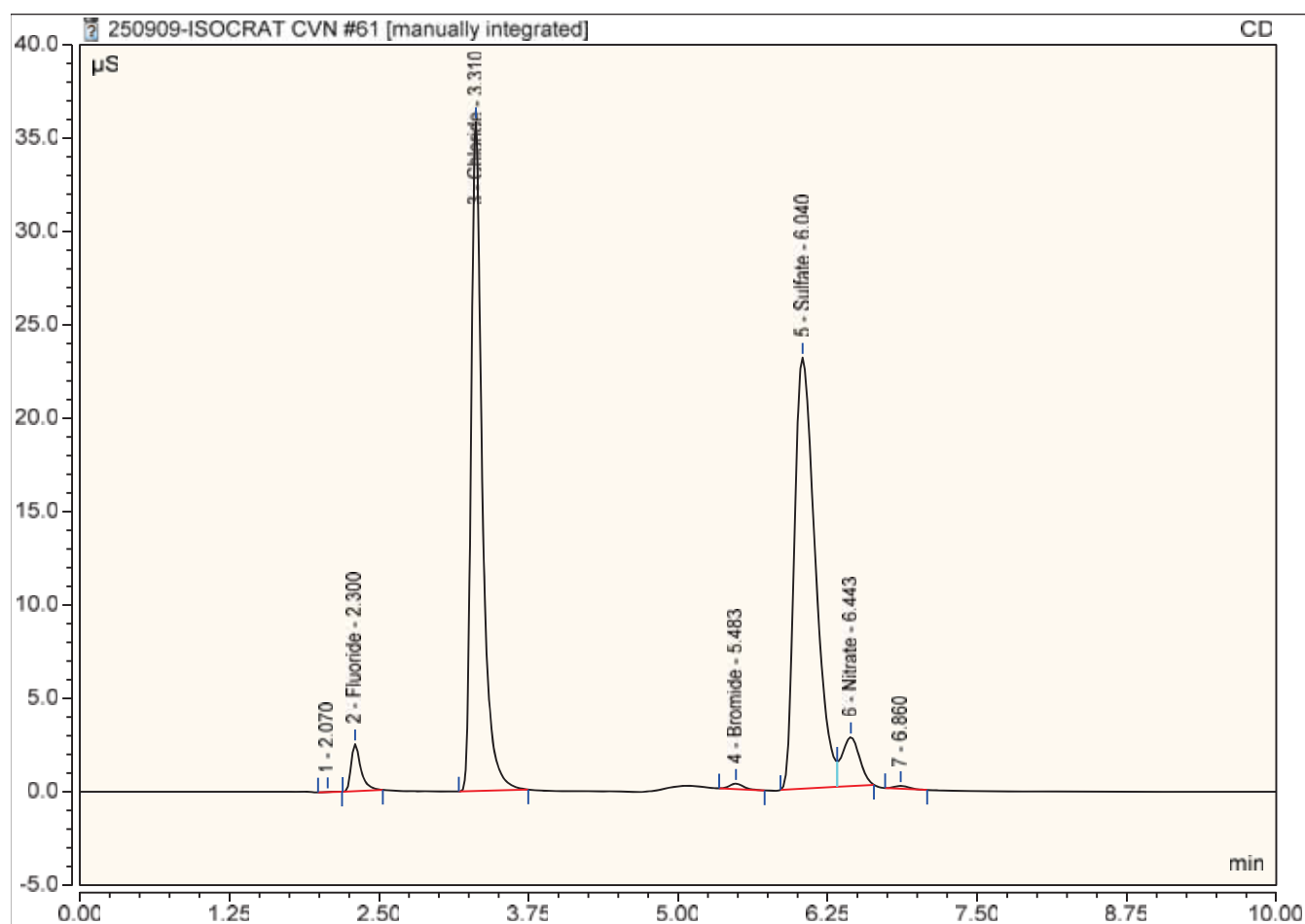
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.237	2.517	0.4059
3	3.30	Chloride	BMB	3.879	35.905	9.2033
4	5.40	Bromide	BMB*	0.038	0.294	0.3026
5	5.97	Sulfate	BM *	4.636	23.604	15.0494
6	6.36	Nitrate	MB*	0.447	2.627	0.4405
TOTAL:				9.24	64.95	25.40



Peak Integration Report

Sample Name:	L2555215-04 MSD	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 22:21	Run Time:	10.00

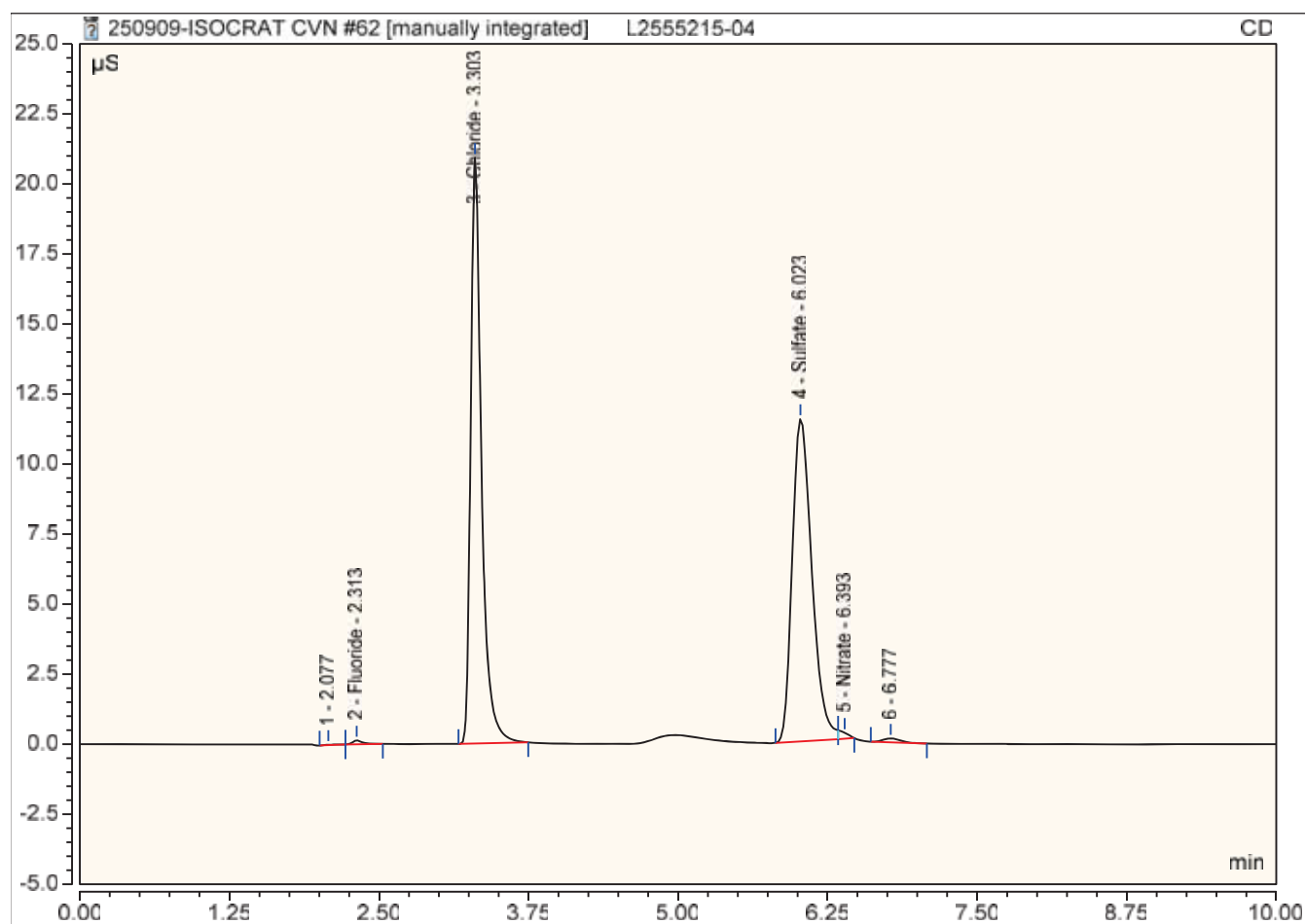
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.239	2.521	0.4078
3	3.31	Chloride	BMB	3.874	35.824	9.1918
4	5.48	Bromide	BMB*	0.040	0.299	0.3190
5	6.04	Sulfate	BM *	4.664	23.088	15.1398
6	6.44	Nitrate	MB*	0.452	2.620	0.4456
TOTAL:				9.27	64.35	25.50



Peak Integration Report

Sample Name:	L2555215-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 22:33	Run Time:	10.00

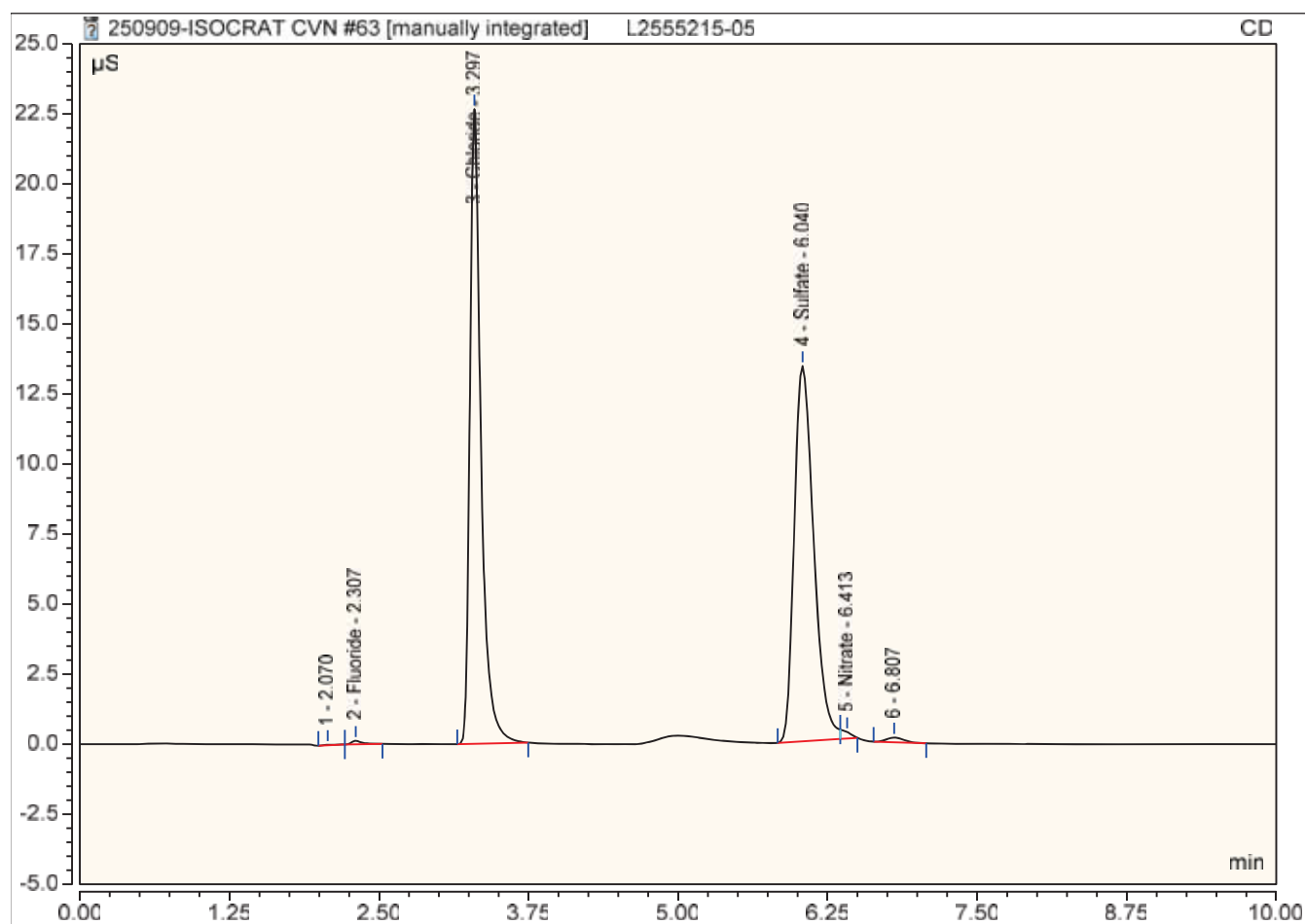
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.014	0.135	0.0458
3	3.30	Chloride	BMB	2.202	20.914	5.2556
4	6.02	Sulfate	BM *	2.189	11.512	7.2380
5	6.39	Nitrate	MB*	0.023	0.210	0.0514
TOTAL:				4.43	32.77	12.59



Peak Integration Report

Sample Name:	L2555215-05	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 22:45	Run Time:	10.00

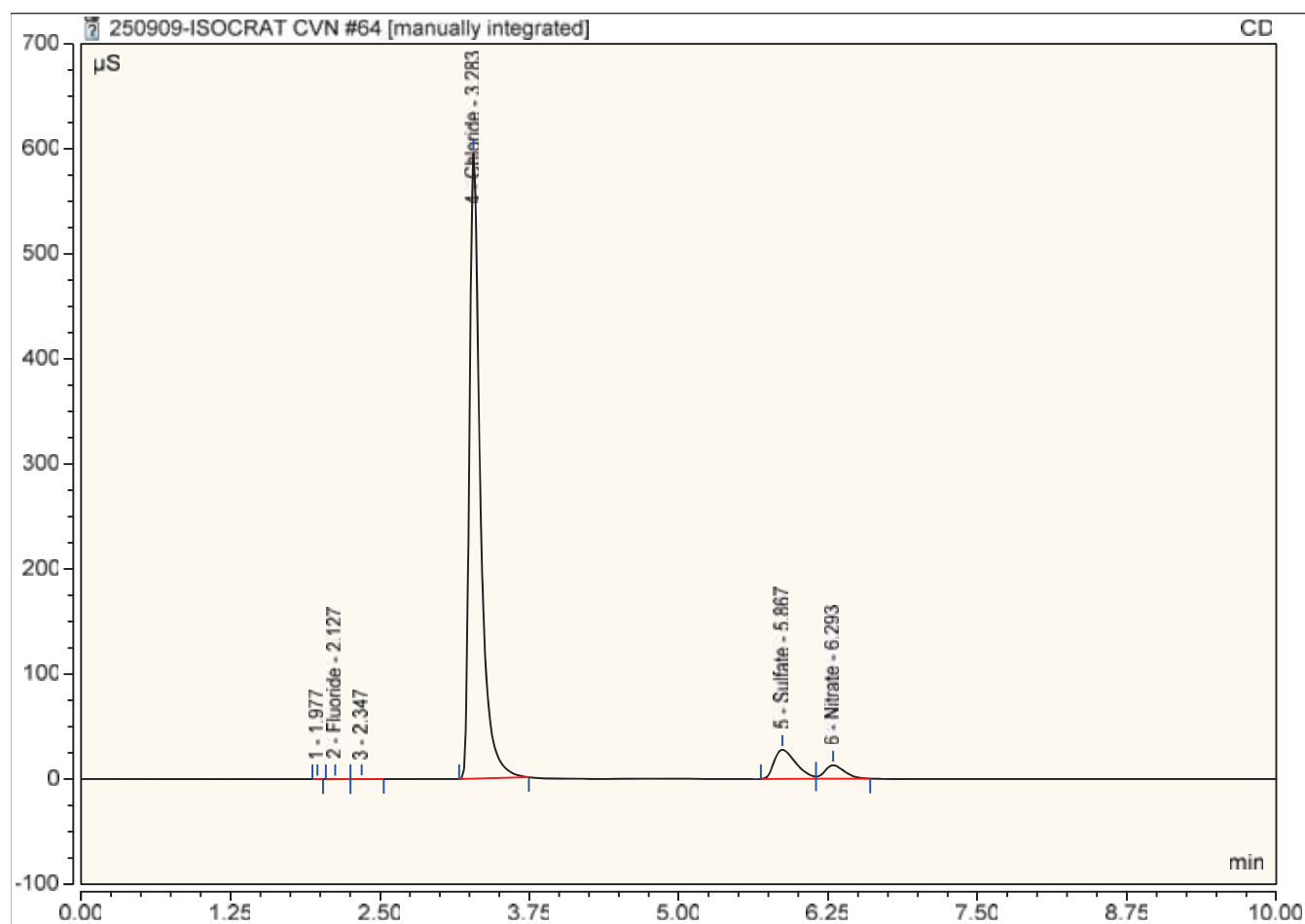
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.014	0.133	0.0455
3	3.30	Chloride	BMB	2.446	22.656	5.8321
4	6.04	Sulfate	BM *	2.531	13.395	8.3312
5	6.41	Nitrate	MB*	0.026	0.232	0.0540
TOTAL:				5.02	36.42	14.26



Peak Integration Report

Sample Name:	L2556527-01 NO3	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 22:57	Run Time:	10.00

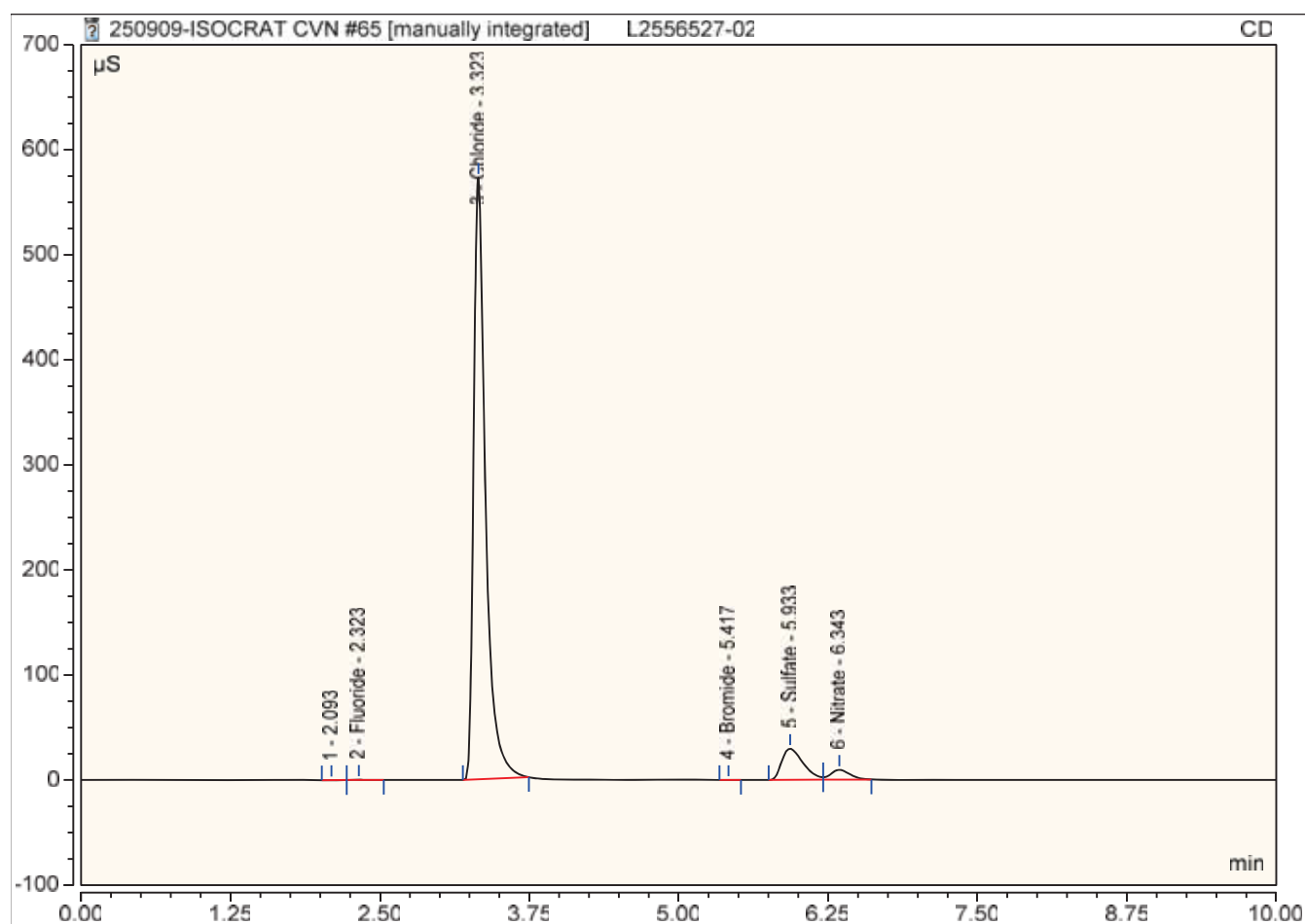
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.13	Fluoride	BMB	0.001	0.009	0.0254
4	3.28	Chloride	BMB	63.677	595.360	149.9379
5	5.87	Sulfate	BM *	5.879	27.826	19.0158
6	6.29	Nitrate	MB*	2.477	12.831	2.3064
TOTAL:				72.03	636.03	171.29



Peak Integration Report

Sample Name:	L2556527-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 23:09	Run Time:	10.00

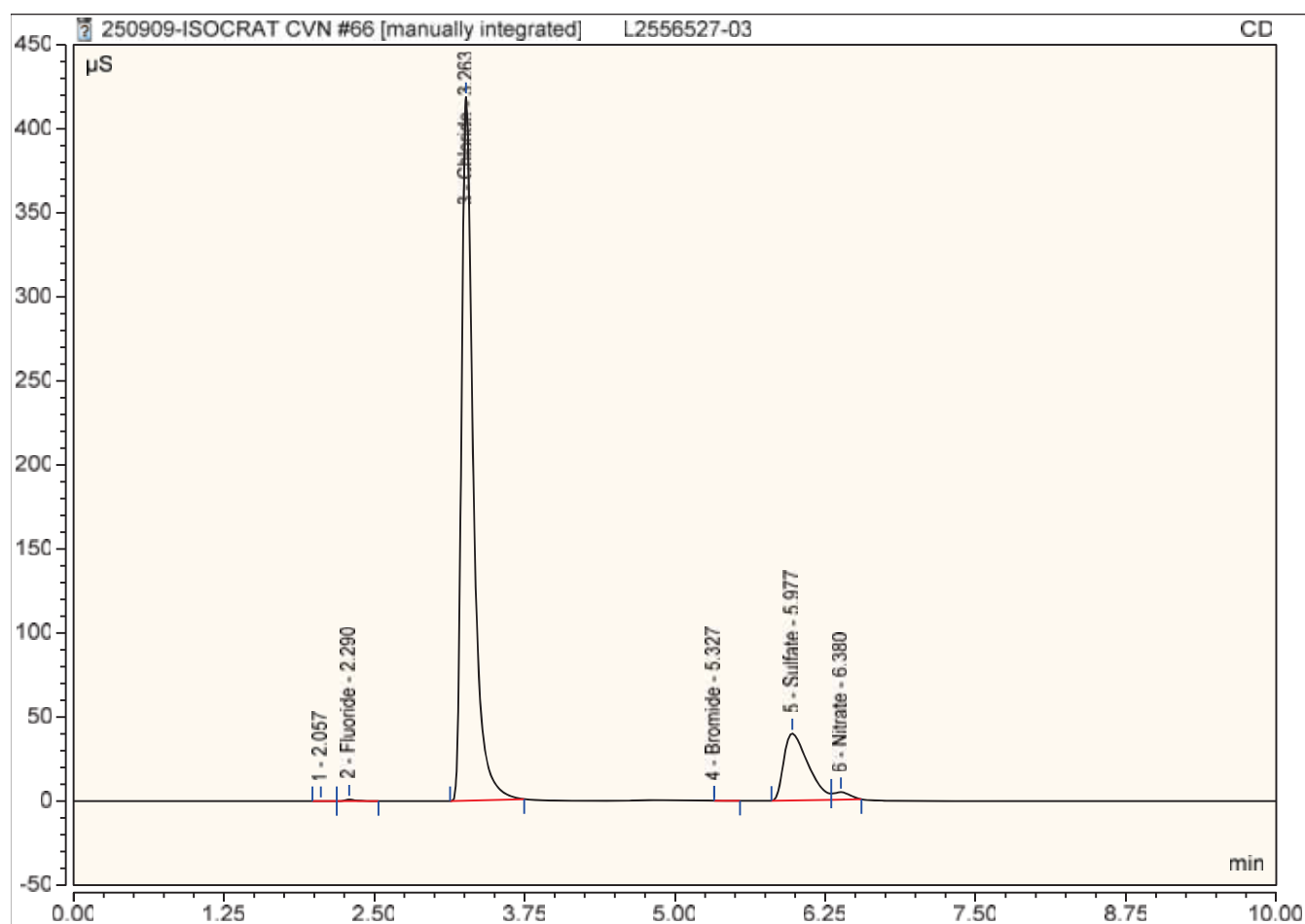
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.032	0.334	0.0749
3	3.32	Chloride	BMB	66.150	572.813	155.7577
4	5.42	Bromide	BMB*	0.001	0.009	0.0291
5	5.93	Sulfate	BM *	6.134	29.639	19.8311
6	6.34	Nitrate	MB*	1.748	9.352	1.6366
TOTAL:				74.07	612.15	177.33



Peak Integration Report

Sample Name:	L2556527-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 23:21	Run Time:	10.00

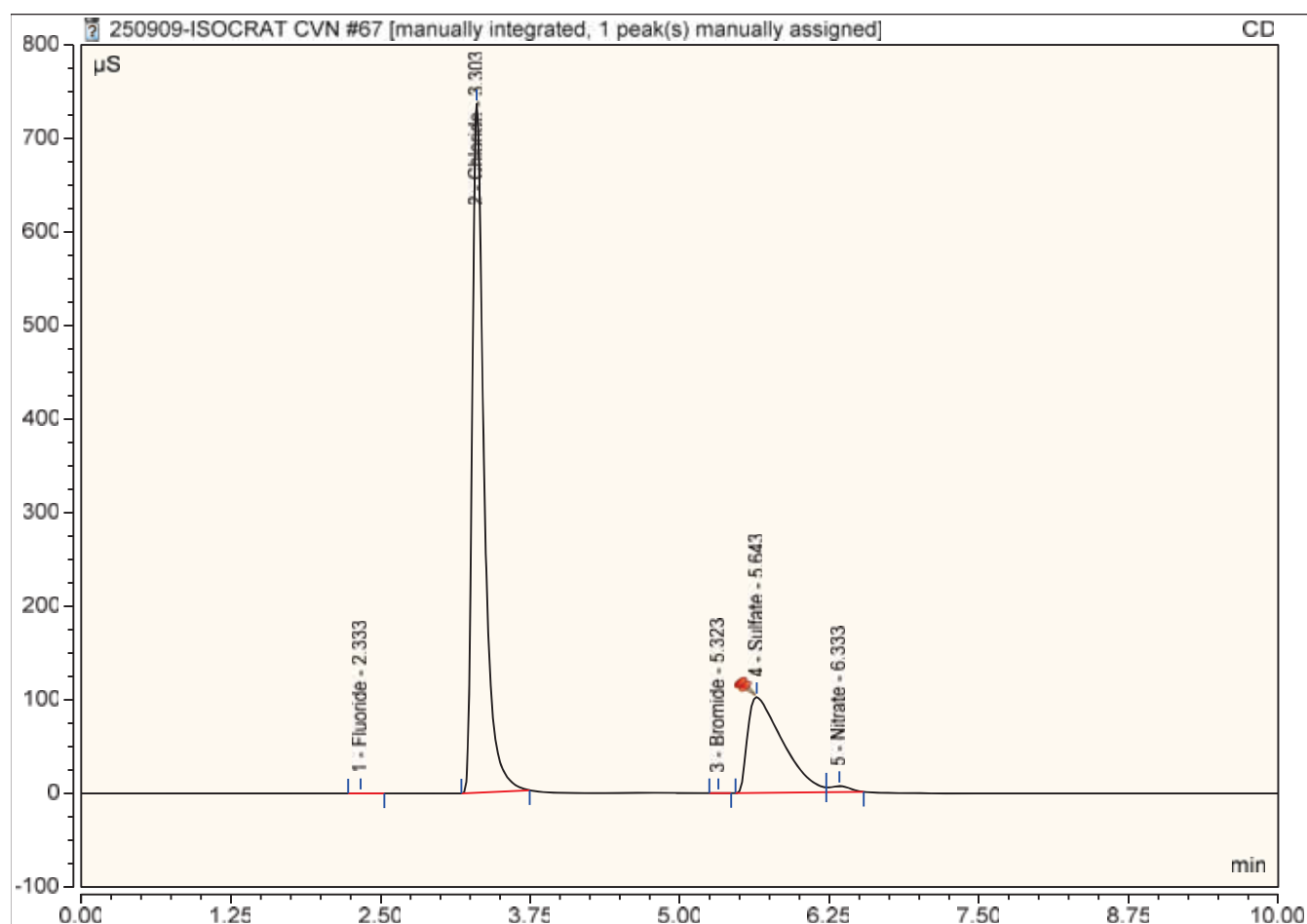
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.091	0.970	0.1710
3	3.26	Chloride	BMB	47.574	418.521	112.0382
4	5.33	Bromide	BMB*	0.004	0.000	0.0496
5	5.98	Sulfate	BM *	9.313	39.882	29.9773
6	6.38	Nitrate	MB*	0.708	4.426	0.6805
TOTAL:				57.69	463.80	142.92



Peak Integration Report

Sample Name:	L2556527-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 23:34	Run Time:	10.00

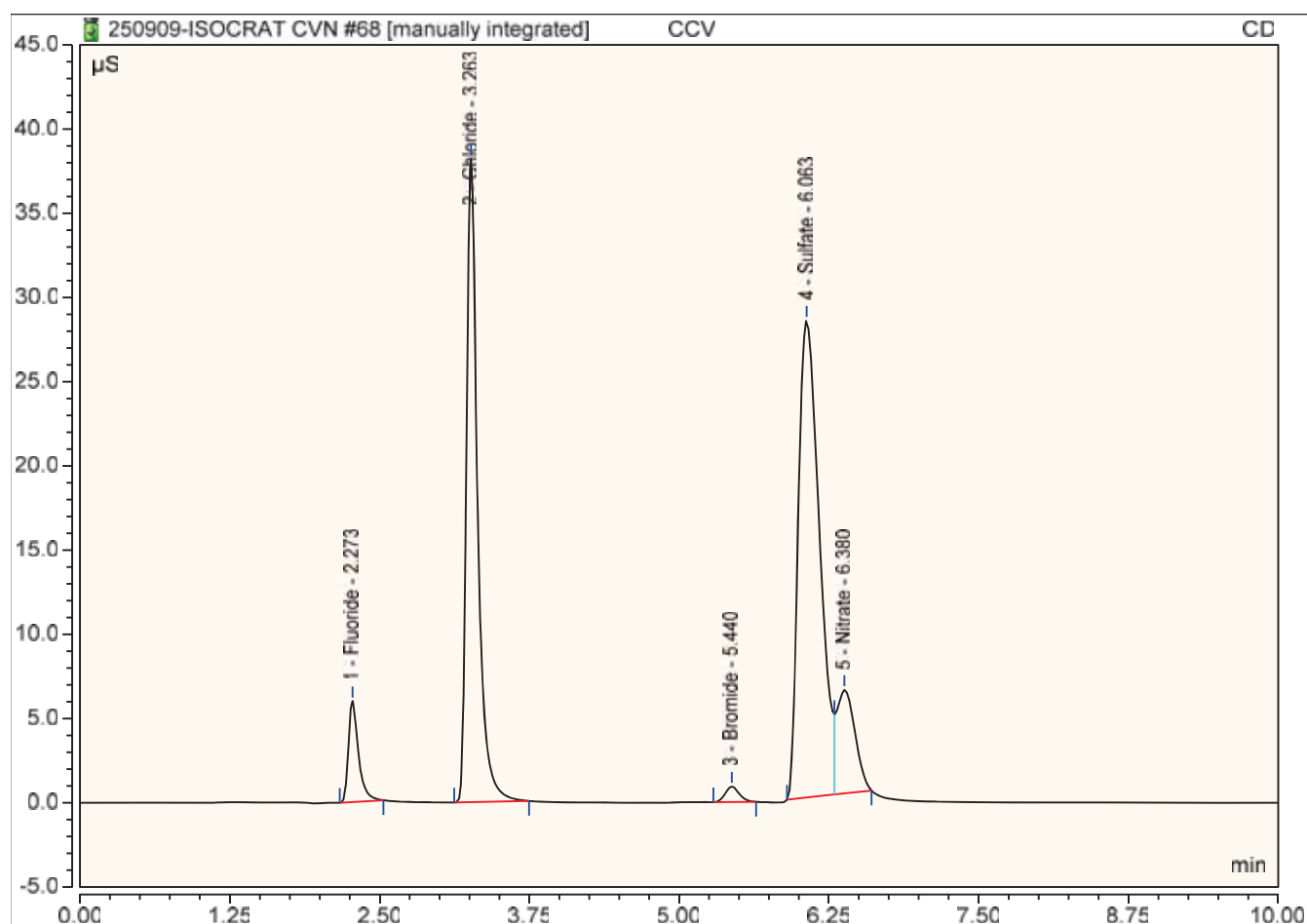
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.035	0.350	0.0795
2	3.30	Chloride	BMB	84.588	735.884	199.1508
3	5.32	Bromide	BMB*	0.006	0.056	0.0662
4	5.64	Sulfate	BM ^A	34.706	102.342	111.0296
5	6.33	Nitrate	MB*	1.244	6.371	1.1734
TOTAL:				120.58	845.00	311.50



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 23:46	Run Time:	10.00

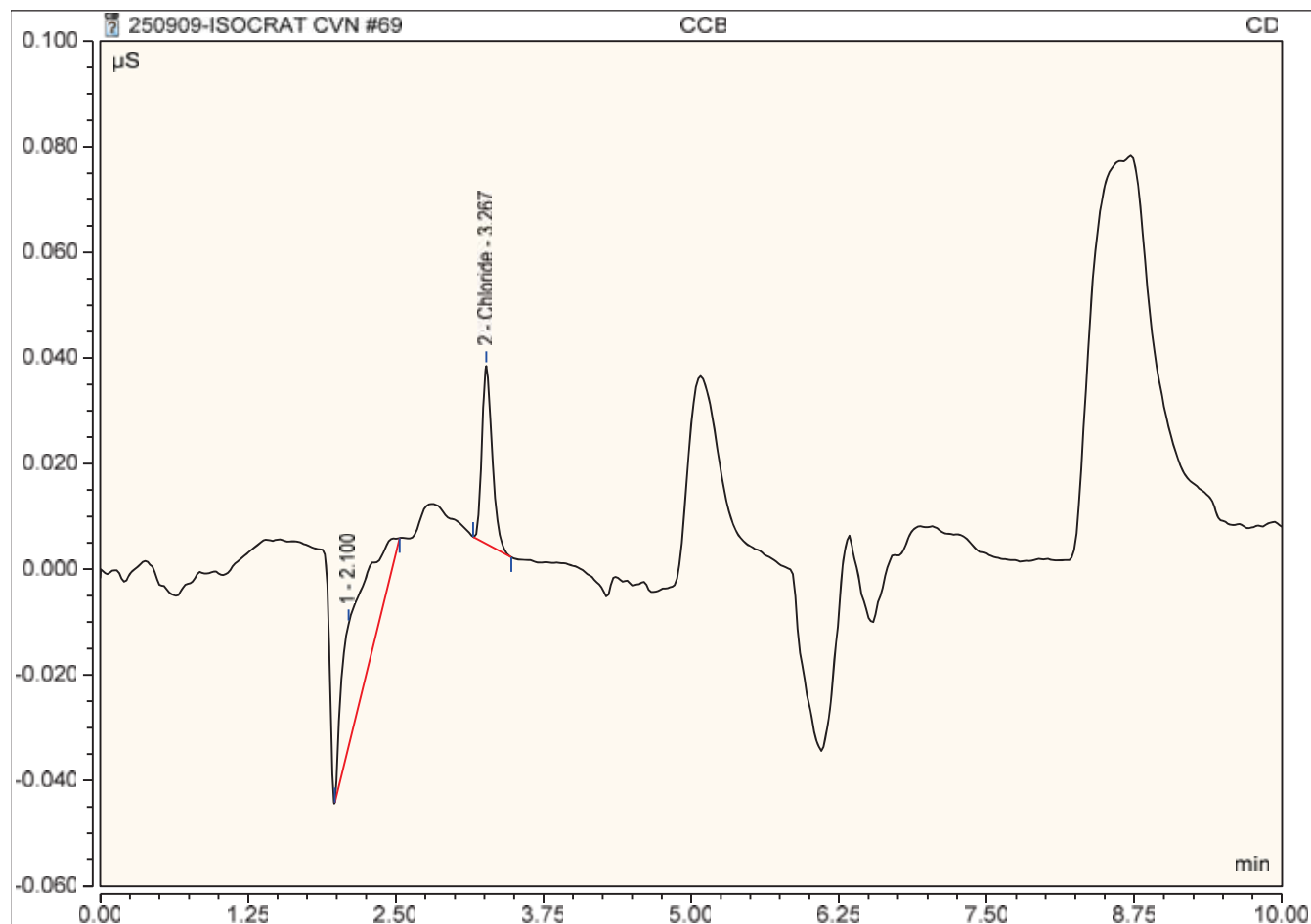
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.27	Fluoride	BMB	0.577	5.984	0.9530
2	3.26	Chloride	BMB	4.126	38.191	9.7839
3	5.44	Bromide	BMB*	0.124	0.915	0.9358
4	6.06	Sulfate	BM *	5.781	28.322	18.7048
5	6.38	Nitrate	MB*	1.092	6.145	1.0330
TOTAL:				11.70	79.56	31.41



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	09-Sep-2025 / 23:58	Run Time:	10.00

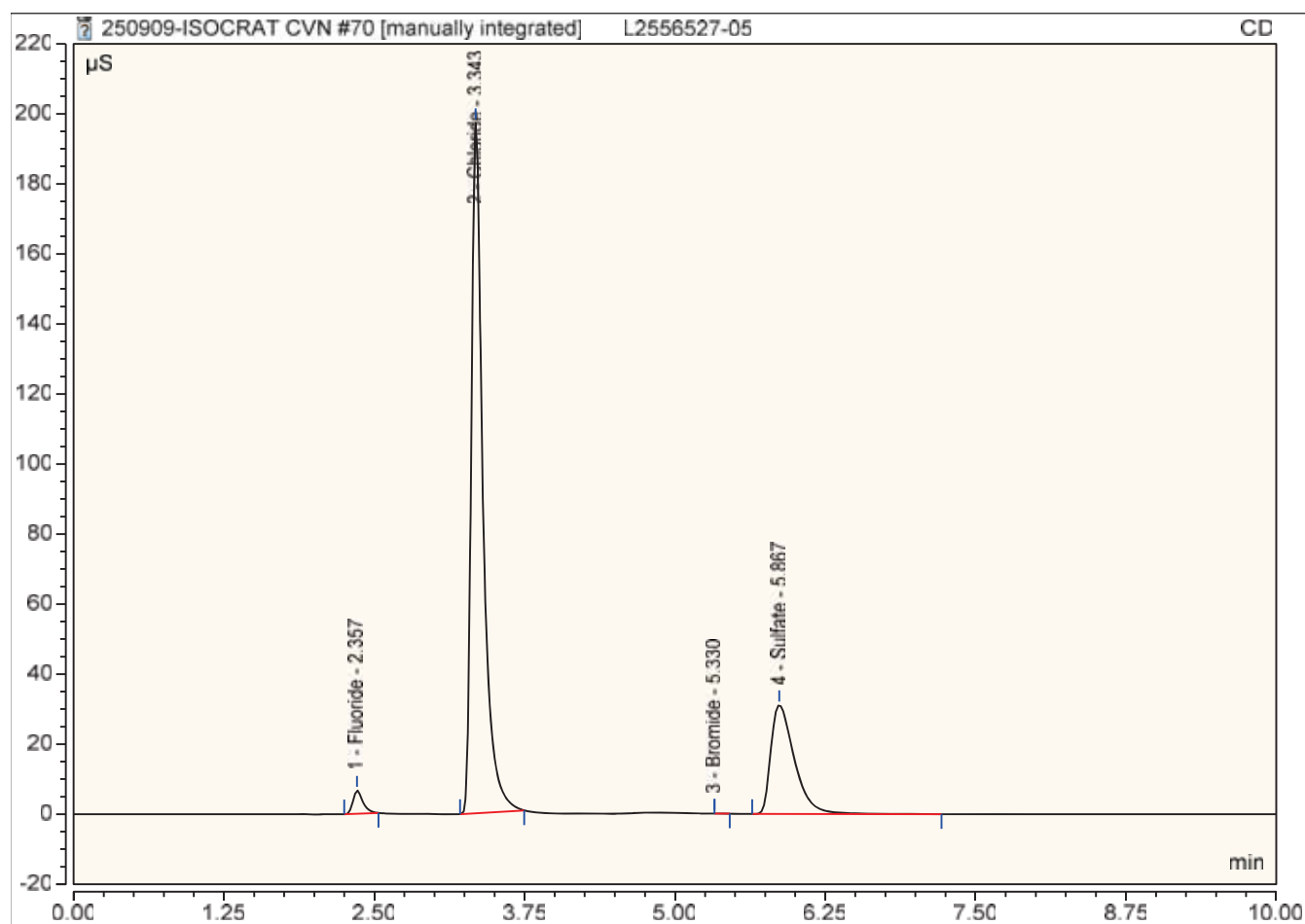
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.27	Chloride	BMB	0.003	0.034	0.0824
TOTAL:				0.00	0.03	0.08



Peak Integration Report

Sample Name:	L2556527-05	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 00:10	Run Time:	10.00

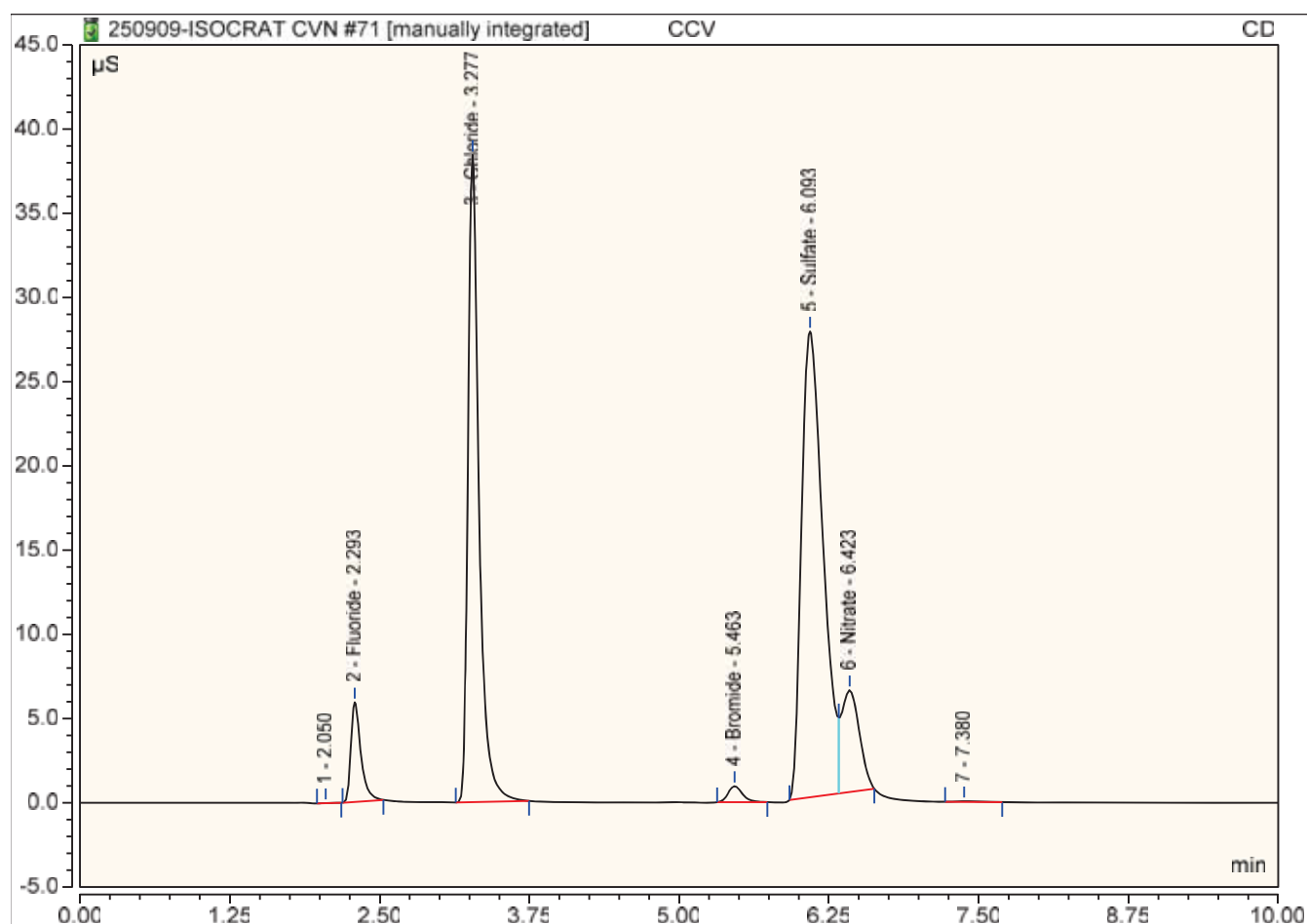
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.36	Fluoride	BMB	0.630	6.598	1.0384
2	3.34	Chloride	BMB	22.249	197.096	52.4369
3	5.33	Bromide	BMB*	0.001	0.000	0.0277
4	5.87	Sulfate	BMB	7.063	31.086	22.7975
TOTAL:				29.94	234.78	76.30



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 00:22	Run Time:	10.00

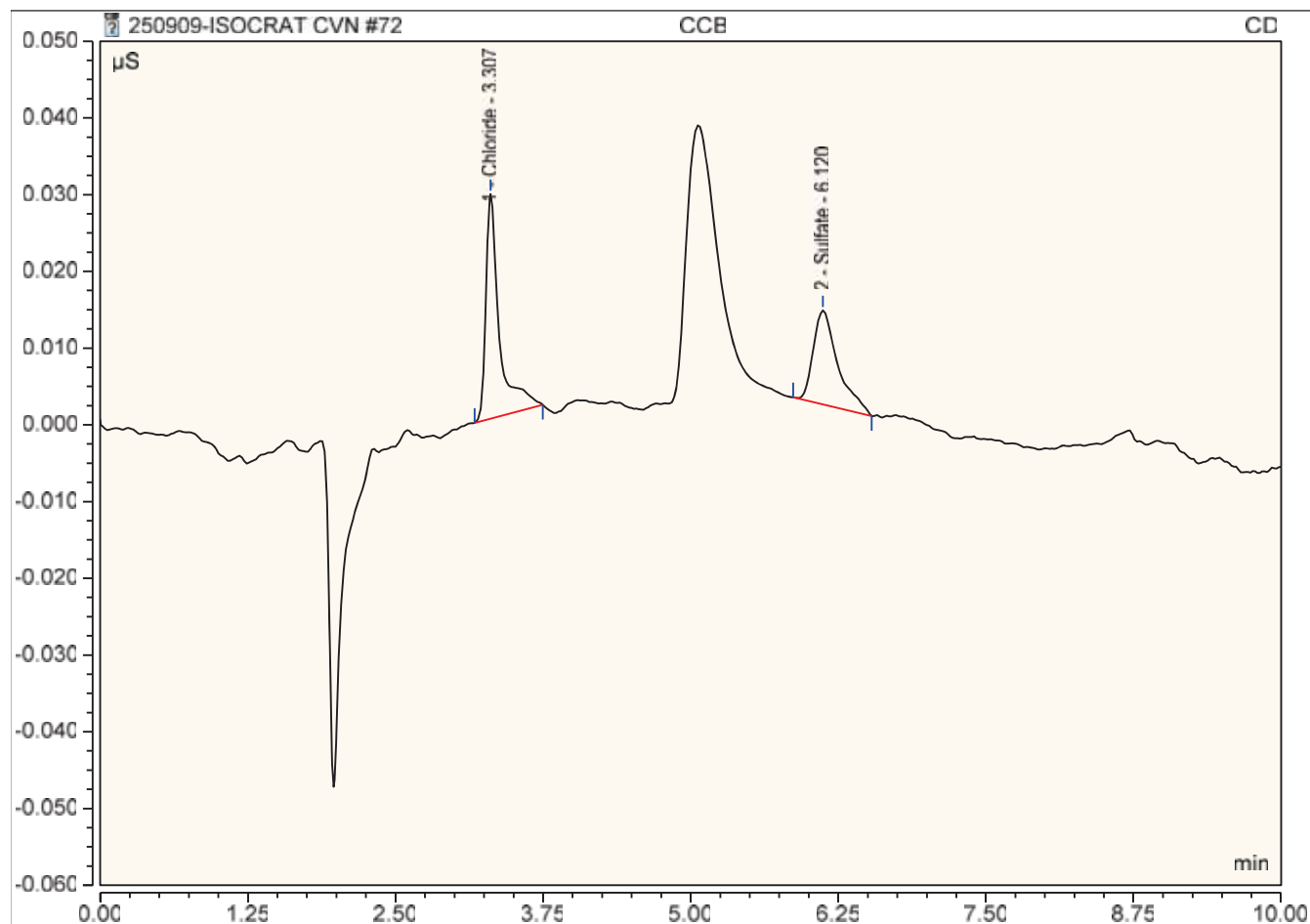
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.567	5.910	0.9360
3	3.28	Chloride	BMB	4.091	38.403	9.7032
4	5.46	Bromide	BMB*	0.133	0.957	1.0010
5	6.09	Sulfate	BM *	5.755	27.652	18.6196
6	6.42	Nitrate	MB*	1.055	6.047	0.9992
TOTAL:				11.60	78.97	31.26



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 00:34	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	3.31	Chloride	BMB	0.004	0.029	0.0835
2	6.12	Sulfate	BMB	0.003	0.012	0.2614
TOTAL:				0.01	0.04	0.34



Anion Summary Report

No.	Name	Dilution	Amount CD Fluoride	Amount CD Chloride	Amount CD Nitrate	Amount CD Sulfate	Amount CD Bromide
1	BLANK	1.0	0.0274	0.0814	n.a.	0.2597	n.a.
2	STD 0.5	1.0	0.0407	0.3557	0.0482	0.6728	0.0594
3	STD 1.0	1.0	0.0560	0.5029	0.0681	1.1347	0.0590
4	STD 2.0	1.0	0.1767	1.9498	0.1932	3.9584	0.1848
5	STD 3.0	1.0	0.4950	5.0034	0.4740	10.1044	0.4612
6	STD 4.0	1.0	2.0088	19.8951	1.9817	39.4012	2.0106
7	STD 5.0	1.0	4.9978	50.0431	5.0099	100.2286	5.0625
8	RINSE	1.0	n.a.	0.0960	n.a.	n.a.	n.a.
9	CCV	1.0	0.9332	9.7931	1.0334	18.7675	0.9540
10	CCB	1.0	0.0261	0.0784	0.0321	0.2641	n.a.
11	ICV	1.0	0.7370	7.9777	0.7441	7.4682	0.7439
12	ICB	1.0	0.0263	0.0817	n.a.	n.a.	n.a.
13	BLK	1.0	0.0249	0.1001	0.0335	0.2702	n.a.
14	LCS	1.0	0.7103	7.8535	0.8090	7.3378	0.7338
15	L2555605-01 BR	1.0	0.0361	14.0425	2.0721	19.9203	0.0494
16	L2555605-02	1.0	0.0379	28.0106	4.5685	14.1365	0.0298
17	L2555605-03	1.0	0.0437	28.2357	6.4095	15.2519	0.0389
18	L2555605-04	1.0	0.0459	3.4334	1.4261	12.9267	n.a.
19	CCV	1.0	0.9249	9.7159	1.0374	18.7083	0.9352
20	CCB	1.0	0.0247	0.0809	n.a.	0.2601	n.a.
21	L2555605-05	1.0	0.0428	20.5247	3.9864	19.1489	0.0455
22	L2555605-06	1.0	0.0423	45.8374	3.8248	11.7845	0.0292
23	L2555605-07	1.0	0.0379	66.9532	3.0731	6.8970	0.0264
24	L2555605-08	1.0	0.0449	13.6643	2.1713	20.7926	0.0329
25	XL2555630-01 CL; 25X	25.0	1.0257	5052.4577	n.a.	61.4571	0.9762
26	L2555898-02 SO4	1.0	0.6062	333.1503	n.a.	64.9895	0.1174
27	L2555898-03	1.0	0.2122	172.5939	n.a.	53.4797	0.2065
28	XL2555898-04	1.0	0.1696	0.3209	n.a.	n.a.	26.9892
29	RINSE	1.0	0.0240	3.5031	0.0414	n.a.	n.a.
30	XL2555414-01 CL; 25X	25.0	0.6445	633.6489	n.a.	65.3311	0.6155
31	XCCV FAIL CL	1.0	0.9257	11.4748	0.9805	19.4309	0.9039
32	CCV	1.0	0.9324	9.7930	1.0410	18.6288	0.9527
33	CCB	1.0	0.0264	0.1059	n.a.	0.2748	n.a.
34	BLK-2	1.0	0.0248	0.1090	0.0336	0.2731	n.a.
35	LCS-2	1.0	0.7164	8.0312	0.7602	7.3044	0.7582
36	XL2555215-01 CL SO4; 10X	10.0	0.2890	2.2617	n.a.	9.2111	n.a.
37	XL2555215-02; 10X	10.0	0.2779	5.7640	n.a.	9.4365	n.a.
38	XL2555215-03; 10X	10.0	0.2672	5.5300	n.a.	8.9214	n.a.
39	XL2555215-04; 10X	10.0	0.2642	5.6191	n.a.	9.0207	n.a.
40	XL2555215-05; 10X	10.0	0.2662	7.4517	2.4615	2.5418	0.4402
41	L2555605-02 MS BR	1.0	0.3667	30.8612	4.6395	22.6837	0.3601
42	L2555605-02 MSD	1.0	0.3574	30.9302	4.6130	23.0948	0.3680
43	L25585630-01; 250X CL	250.0	6.1389	5257.8764	8.1482	107.3707	16.0394
44	CCV	1.0	0.9014	10.0117	0.9917	19.7424	0.9618
45	CCB	1.0	0.0252	0.0927	0.0328	0.2788	n.a.

46	L25558987-04; 250X SO4	250.0	6.0735	39244.1563	n.a.	64.5311	35.4395
47	L2556530-01 NO3	1.0	0.2315	12.4784	0.7752	13.8326	0.0250
48	L2556530-02	1.0	1.7508	11.8026	n.a.	31.0049	0.0305
49	L2556530-03	1.0	0.0528	120.7127	n.a.	32.4073	0.0346
50	L2556530-04	1.0	0.2491	114.6196	4.5801	10.7391	0.0275
51	L2556531-01 NO3	1.0	0.0702	6.8093	1.2965	8.3606	0.0233
52	L2555414-01 CL; 25X	25.0	0.6501	620.5640	n.a.	59.7335	n.a.
53	L2556530-01 MS	1.0	0.6152	15.8092	1.0836	20.4519	0.3158
54	L2556530-01 DUP	1.0	0.2420	12.2047	0.7554	13.5297	0.0250
55	L2555215-01 CL SO4	1.0	0.0457	1.8008	0.0454	7.5823	n.a.
56	CCV	1.0	0.9165	9.8110	0.9688	18.8783	0.9418
57	CCB	1.0	n.a.	0.0791	n.a.	0.2603	n.a.
58	L2555215-02	1.0	0.0457	5.1922	0.0645	7.6879	n.a.
59	L2555215-03	1.0	0.0458	5.1510	0.0646	7.6601	n.a.
60	L2225215-04 MS	1.0	0.4059	9.2033	0.4405	15.0494	0.3026
61	L2555215-04 MSD	1.0	0.4078	9.1918	0.4456	15.1398	0.3190
62	L2555215-04	1.0	0.0458	5.2556	0.0514	7.2380	n.a.
63	L2555215-05	1.0	0.0455	5.8321	0.0540	8.3312	n.a.
64	L2556527-01 NO3	1.0	0.0254	149.9379	2.3064	19.0158	n.a.
65	L2556527-02	1.0	0.0749	155.7577	1.6366	19.8311	0.0291
66	L2556527-03	1.0	0.1710	112.0382	0.6805	29.9773	0.0496
67	L2556527-04	1.0	0.0795	199.1508	1.1734	111.0296	0.0662
68	CCV	1.0	0.9530	9.7839	1.0330	18.7048	0.9358
69	CCB	1.0	n.a.	0.0824	n.a.	n.a.	n.a.
70	L2556527-05	1.0	1.0384	52.4369	n.a.	22.7975	0.0277
71	CCV	1.0	0.9360	9.7032	0.9992	18.6196	1.0010
72	CCB	1.0	n.a.	0.0835	n.a.	0.2614	n.a.
	Sum:	687.000	41.1755		81.1945	1415.8209	100.7394
	Average:	9.542	0.6055		1.6239	21.1317	2.1434
	Rel.Std.Dev:	432.441 %	1.9712		1.1500	1.1771	3.1272

Inject Time	Comment
08/Aug/2025 15:05	AU
08/Aug/2025 15:17	LOT#250806-0.5
08/Aug/2025 15:29	LOT#250806-1.0
08/Aug/2025 15:41	LOT#250806-2.0
08/Aug/2025 15:53	LOT#250806-3.0
08/Aug/2025 16:05	LOT#250806-4.0
08/Aug/2025 16:17	LOT#250806-5.0
09/Sep/2025 11:36	N/G2112519-604-713
09/Sep/2025 11:49	LOT#250902-C
09/Sep/2025 12:01	CVN
09/Sep/2025 12:13	LOT#250902-I
09/Sep/2025 12:25	CVN
09/Sep/2025 12:37	CVN
09/Sep/2025 12:49	LOT#250902-I
09/Sep/2025 13:01	CVN
09/Sep/2025 13:13	CVN
09/Sep/2025 13:25	CVN
09/Sep/2025 13:37	CVN
09/Sep/2025 13:49	LOT#250902-C
09/Sep/2025 14:01	CVN
09/Sep/2025 14:14	CVN
09/Sep/2025 14:26	CVN
09/Sep/2025 14:38	CVN
09/Sep/2025 14:50	CVN
09/Sep/2025 15:02	CVN
09/Sep/2025 15:14	CVN
09/Sep/2025 15:26	CVN
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09/Sep/2025 15:50	CVN
09/Sep/2025 16:02	CVN
09/Sep/2025 16:14	LOT#250902-C
09/Sep/2025 16:30	LOT#250902-C
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09/Sep/2025 16:55	CVN
09/Sep/2025 17:07	LOT#250902-I
09/Sep/2025 17:19	CVN
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09/Sep/2025 18:07	CVN
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09/Sep/2025 18:43	CVN
09/Sep/2025 18:56	LOT#250902-C
09/Sep/2025 19:08	CVN

09/Sep/2025 19:20	CVN
09/Sep/2025 19:32	CVN
09/Sep/2025 19:44	CVN
09/Sep/2025 19:56	CVN
09/Sep/2025 20:08	CVN
09/Sep/2025 20:20	CVN
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10/Sep/2025 00:10	CVN
10/Sep/2025 00:22	LOT#250902-C
10/Sep/2025 00:34	CVN
	0.000
	#DIV/0!
	#DIV/0!

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-8D
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2112519-3
 Matrix Spike Dup : WG2112519-4

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/09/25 18:19
 MSD Analysis Date : 09/09/25 18:31

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Bromide	0.029J	0.4	0.360	90	0.4	0.368	92	2	90-110	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112519-2
 Dup Sample ID :

Lab Number : L2555605
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/09/25 12:49
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Bromide	0.800	0.734	92.					90-110	20

Calculations of Anions by Ion Chromatography

Aqueous samples:

The Dionex calculates the area of the peaks produced by the instrument, compares them to the peak area of the calibration standard stored in its memory, and calculates result in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Subcontracted Data



September 15, 2025

Jennifer Byrnes

,

RE: Project: L2555605
Pace Project No.: 70378152

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on September 06, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Pace - West Borough



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L2555605
Pace Project No.: 70378152

Pace Analytical Services, LLC - Melville, NY
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L2555605

Pace Project No.: 70378152

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70378152001	MW-8S	Water	09/04/25 09:38	09/06/25 08:08
70378152002	MW-8D	Water	09/04/25 09:45	09/06/25 08:08
70378152003	MW-5D	Water	09/04/25 10:50	09/06/25 08:08
70378152004	PZ-5	Water	09/04/25 11:00	09/06/25 08:08
70378152005	MW-12D	Water	09/04/25 12:12	09/06/25 08:08
70378152006	MW-12S	Water	09/04/25 12:15	09/06/25 08:08
70378152007	MW-4S	Water	09/04/25 13:30	09/06/25 08:08
70378152008	MW-4D2	Water	09/04/25 13:40	09/06/25 08:08

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: L2555605

Pace Project No.: 70378152

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70378152001	MW-8S	SM 4500-S2 F-2011	JWM	1
70378152002	MW-8D	SM 4500-S2 F-2011	JWM	1
70378152003	MW-5D	SM 4500-S2 F-2011	JWM	1
70378152004	PZ-5	SM 4500-S2 F-2011	JWM	1
70378152005	MW-12D	SM 4500-S2 F-2011	JWM	1
70378152006	MW-12S	SM 4500-S2 F-2011	JWM	1
70378152007	MW-4S	SM 4500-S2 F-2011	JWM	1
70378152008	MW-4D2	SM 4500-S2 F-2011	JWM	1

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: L2555605
Pace Project No.: 70378152

Method: SM 4500-S2 F-2011
Description: 4500S2F W Sulfide Iodometric
Client: Pace Westborough
Date: September 15, 2025

General Information:

8 samples were analyzed for SM 4500-S2 F-2011 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- MW-12D (Lab ID: 70378152005)
- MW-12S (Lab ID: 70378152006)
- MW-4D2 (Lab ID: 70378152008)
- MW-4S (Lab ID: 70378152007)
- MW-5D (Lab ID: 70378152003)
- MW-8D (Lab ID: 70378152002)
- MW-8S (Lab ID: 70378152001)
- PZ-5 (Lab ID: 70378152004)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2555605

Pace Project No.: 70378152

Sample: MW-8S		Lab ID: 70378152001		Collected: 09/04/25 09:38		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/15/25 14:36		H1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 70378152

Sample: MW-8D		Lab ID: 70378152002		Collected: 09/04/25 09:45		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:39		H1

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: L2555605

Pace Project No.: 70378152

Sample: MW-5D		Lab ID: 70378152003		Collected: 09/04/25 10:50		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:42		H1

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ANALYTICAL RESULTS

Project: L2555605

Pace Project No.: 70378152

Sample: PZ-5		Lab ID: 70378152004		Collected: 09/04/25 11:00		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:45		H1

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ANALYTICAL RESULTS

Project: L2555605

Pace Project No.: 70378152

Sample: MW-12D		Lab ID: 70378152005		Collected: 09/04/25 12:12		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:48		H1

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ANALYTICAL RESULTS

Project: L2555605

Pace Project No.: 70378152

Sample: MW-12S		Lab ID: 70378152006		Collected: 09/04/25 12:15		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:52		H1

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ANALYTICAL RESULTS

Project: L2555605

Pace Project No.: 70378152

Sample: MW-4S		Lab ID: 70378152007		Collected: 09/04/25 13:30		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:55		H1

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ANALYTICAL RESULTS

Project: L2555605

Pace Project No.: 70378152

Sample: MW-4D2		Lab ID: 70378152008		Collected: 09/04/25 13:40		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:58		H1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L2555605

Pace Project No.: 70378152

QC Batch: 418914

Analysis Method: SM 4500-S2 F-2011

QC Batch Method: SM 4500-S2 F-2011

Analysis Description: 4500S2F W Sulfide Iodometric

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70378152001, 70378152002, 70378152003, 70378152004, 70378152005, 70378152006, 70378152007, 70378152008

METHOD BLANK: 2226706

Matrix: Water

Associated Lab Samples: 70378152001, 70378152002, 70378152003, 70378152004, 70378152005, 70378152006, 70378152007, 70378152008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	0.20	0.20	09/15/25 14:28	

LABORATORY CONTROL SAMPLE & LCSD: 2226707

2226708

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2555605

Pace Project No.: 70378152

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

REPORT OF LABORATORY ANALYSIS

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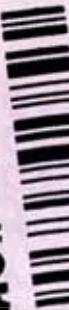
QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2555605
Pace Project No.: 70378152

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70378152001	MW-8S	SM 4500-S2 F-2011	418914		
70378152002	MW-8D	SM 4500-S2 F-2011	418914		
70378152003	MW-5D	SM 4500-S2 F-2011	418914		
70378152004	PZ-5	SM 4500-S2 F-2011	418914		
70378152005	MW-12D	SM 4500-S2 F-2011	418914		
70378152006	MW-12S	SM 4500-S2 F-2011	418914		
70378152007	MW-4S	SM 4500-S2 F-2011	418914		
70378152008	MW-4D2	SM 4500-S2 F-2011	418914		

REPORT OF LABORATORY ANALYSIS

WO#: 70378152



70378152

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2555605

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupahost.com
Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2555605 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555605-01	MW-8S	09-04-25 09:38	WATER	Sulfide	REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller, needs NYSDC Equis EPD	TAT=	1
	L2555605-02	MW-8D	09-04-25 08:45	WATER	Sulfide	REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller, needs NYSDC Equis EPD	TAT=	3
	L2555605-03	MW-5D	09-04-25 10:50	WATER	Sulfide	REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller, needs NYSDC Equis EPD	TAT=	1
Relinquished By:			Date/Time:		Received By:		Date/Time:	
			9/5/25 1745				9/5 1745	
			9/5				9/5 0630	
			9/5/25 0801				9/5/25 0801	
Form No: AL_subcoc								

**Subcontract Chain of Custody**

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2555605

Page 2

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupahost.com
Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

State/Federal Program:
Regulatory Criteria:

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables (Level 4)

Report to MDL

Regulatory Requirements/Report Limits**Project Specific Requirements and/or Report Requirements**

Reference following Pace Job Number on final report/deliverables: L2555605 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555605-04	PZ-5	09-04-25 11:00	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NYSEDEC Equis EDD	TAT=	1
	L2555605-05	MW-12D	09-04-25 12:12	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NYSEDEC Equis EDD	TAT=	1
	L2555605-06	MW-12S	09-04-25 12:15	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NYSEDEC Equis EDD	TAT=	1
Relinquished By:			Date/Time:		Date/Time:			
			9/5/25 1745		9/5/25 1745			
			9/6/25 0808		9/6/25 0808			
Form No: AL_subcoc								



Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2555605

Page 3

Client Information

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Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

State/Federal Program:
Regulatory Criteria:

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables (Level 4)

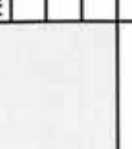
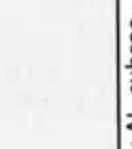
Report to MDL

Regulatory Requirements/Report Limits

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2555605 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555605-07	MW-4S	09-04-25 13:30	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NYSDEC Equis EDD	IAT=	1
	L2555605-08	MW-4D2	09-04-25 13:40	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NYSDEC Equis EDD	IAT=	1
Relinquished By:			Date/Time:		Received By:		Date/Time:	
							5/6 1745	
							9.6.25 0630	
							9/6/25 8508	
Form No: AL_subcoc								

WO#: 70378152

Client Name:

ALPHA

Project:

PM: BDR

Due Date: 09/17/25

CLIENT: ALPHA

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: T6211 Correction Factor: +0.1 Samples on ice, cooling process has begun

Cooler Temperature(°C): 1.3 Cooler Temperature Corrected(°C): 1.2 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 5.0°C

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☒ No

Did samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents:

UW 9/8/25

	COMMENTS:
Chain of Custody Present: ☒ Yes ☐ No	1.
Chain of Custody Filled Out: ☒ Yes ☐ No	2.
Chain of Custody Relinquished: ☒ Yes ☐ No	3.
Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time: ☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr): ☒ Yes ☐ No	6.
Rush Turn Around Time Requested: ☒ Yes ☐ No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) ☒ Yes ☐ No	8.
Correct Containers Used: ☒ Yes ☐ No	9.
-Pace Containers Used: ☒ Yes ☐ No	
Containers Intact: ☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests: ☐ Yes ☒ No ☐ N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: ☒ Yes ☐ No	12.
-Includes date/time/D/Analysis Matrix: ☒ SE ☐ WT ☐ OIL ☐ OTHER	

Date and Initials of person checking preservation:

UW 9/8/25

All containers needing preservation have been pH paper Lot # <u>231224</u> ☒ Yes ☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, ☒ Yes ☐ No ☐ N/A NAOH>12 Cyanide)	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).	Initial when completed: Lot # of added preservative: Date/Time preservative added:
Per Method, VOA pH is checked after analysis	
Samples checked for dechlorination: ☐ Yes ☐ No ☒ N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #	
Residual chlorine strips Lot #	
SM 4500 CN samples checked for sulf: ☐ Yes ☐ No ☒ N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #	
Headspace in ALK Bottle (>6mm): ☐ Yes ☐ No ☒ N/A	
Headspace in VOA Vials (>6mm): ☐ Yes ☐ No ☒ N/A	16.
Trip Blank Present: ☐ Yes ☐ No ☒ N/A	17.
Trip Blank Custody Seals Present: ☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

Laboratory Report

Report prepared for:

Jennifer Byrnes
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581

Email: jennifer.byrnes@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:

Susan K Hendricks

Purchase Order:**For further assistance, contact:**

Susan K Hendricks
Customer Service Representative
2323 Sycamore Dr
Knoxville, TN 37921
(865) 546-1335
susanhendricks@galbraith.com

Sample: L2555605 MW-8S		Received: 2025-09-09			
Lab ID: 2025-W-5829					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.82 mg	2025-09-16

Sample: L2555605 MW-8D		Received: 2025-09-09			
Lab ID: 2025-W-5830					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.66 mg	2025-09-16

Sample: L2555605 MW-8D+MS		Received: 2025-09-09			
Lab ID: 2025-W-5831					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	214.45 mg	2025-09-16

Sample: L2555605 MW-8D+SD		Received: 2025-09-09			
Lab ID: 2025-W-5832					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.34 mg	2025-09-16

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Reported results are only applicable to the item tested.

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Sample: L2555605 MW-5D		Received: 2025-09-09			
Lab ID: 2025-W-5833					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.26 mg	2025-09-16

Sample: L2555605 PZ-5		Received: 2025-09-09			
Lab ID: 2025-W-5834					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.45 mg	2025-09-16

Sample: L2555605 MW-12D		Received: 2025-09-09			
Lab ID: 2025-W-5835					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.16 mg	2025-09-16

Sample: L2555605 MW-12S		Received: 2025-09-09			
Lab ID: 2025-W-5836					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.97 mg	2025-09-16

Sample: L2555605 MW-4S		Received: 2025-09-09			
Lab ID: 2025-W-5837					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.05 mg	2025-09-16

Sample: L2555605 MW-4D2		Received: 2025-09-09			
Lab ID: 2025-W-5838					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.61 mg	2025-09-16

Signatures:

Created By: susan.K.Hendricks
Published By: susan.K.Hendricks

2025-09-18T19:31:37.18-04:00
2025-09-18T19:31:45.073-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.

Laboratory Report

Report prepared for:

Jennifer Byrnes
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581

Email: jennifer.byrnes@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:

Susan K Hendricks

Purchase Order:**For further assistance, contact:**

Susan K Hendricks
Customer Service Representative
2323 Sycamore Dr
Knoxville, TN 37921
(865) 546-1335
susanhendricks@galbraith.com

Sample: L2555605 MW-8S		Received: 2025-09-09			
Lab ID: 2025-W-5829					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.82 mg	2025-09-16

Sample: L2555605 MW-8D		Received: 2025-09-09			
Lab ID: 2025-W-5830					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	200.66 mg	2025-09-16

Sample: L2555605 MW-8D+MS		Received: 2025-09-09			
Lab ID: 2025-W-5831					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	214.45 mg	2025-09-16

Sample: L2555605 MW-8D+SD		Received: 2025-09-09			
Lab ID: 2025-W-5832					

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.34 mg	2025-09-16

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Reported results are only applicable to the item tested.

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Sample: L2555605 MW-5D		Received: 2025-09-09			
Lab ID: 2025-W-5833					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.26 mg	2025-09-16

Sample: L2555605 PZ-5		Received: 2025-09-09			
Lab ID: 2025-W-5834					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.45 mg	2025-09-16

Sample: L2555605 MW-12D		Received: 2025-09-09			
Lab ID: 2025-W-5835					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.16 mg	2025-09-16

Sample: L2555605 MW-12S		Received: 2025-09-09			
Lab ID: 2025-W-5836					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.97 mg	2025-09-16

Sample: L2555605 MW-4S		Received: 2025-09-09			
Lab ID: 2025-W-5837					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.05 mg	2025-09-16

Sample: L2555605 MW-4D2		Received: 2025-09-09			
Lab ID: 2025-W-5838					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.61 mg	2025-09-16

Signatures:

Created By: susan.K.Hendricks
Published By: susan.K.Hendricks

2025-09-18T19:31:37.18-04:00
2025-09-18T19:31:45.073-04:00

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- "Published By" signature indicates authorized release of data.



September 22, 2025

Jennifer Byrnes
Pace Analytical Westborough
8 Walkup Drive
Westborough, MA 01581

RE: Project: L2555605
Pace Project No.: 50412043

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace Analytical Westborough



REPORT OF LABORATORY ANALYSIS

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Table of Contents

Sections:

-2-

Section 1: Cert Page	3
Section 2: Sample Summary	4
Section 3: Sample Analyte	5
Section 4: Results	6
Section 5: Quality Control	14
Section 6: Qualifiers	15
Section 7: QC Cross Reference	16
Section 8: Chain of Custody	15
8.1: Chain of Custody	17

1

2

3

4

5

6

7

8



CERTIFICATIONS

Project: L2555605
Pace Project No.: 50412043

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Indiana Drinking Water Laboratory #: C-49-06
Kentucky UST Agency Interest #: 80226
Louisiana Certification #: 04076
Oklahoma Laboratory #: 9204
Washington Dept of Ecology #: C1081
USDA Foreign Soil Permit #: 525-23-13-23119

Illinois Accreditation #: 200074
Kansas/TNI Certification #: E-10177
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Texas Certification #: T104704355
Wisconsin Laboratory #: 999788130
USDA Compliance Agreement #: IN-SL-22-001

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SAMPLE SUMMARY

Project: L2555605
Pace Project No.: 50412043

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50412043001	MW-8S	Water	09/04/25 09:38	09/09/25 08:30
50412043002	MW-8D	Water	09/04/25 08:45	09/09/25 08:30
50412043003	MW-5D	Water	09/04/25 10:50	09/09/25 08:30
50412043004	PZ-5	Water	09/04/25 11:00	09/09/25 08:30
50412043005	MW-12D	Water	09/04/25 12:12	09/09/25 08:30
50412043006	MW-12S	Water	09/04/25 12:15	09/09/25 08:30
50412043007	MW-4S	Water	09/04/25 13:30	09/09/25 08:30
50412043008	MW-4D2	Water	09/04/25 13:40	09/09/25 08:30

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SAMPLE ANALYTE COUNT

Project: L2555605
Pace Project No.: 50412043



Lab ID	Sample ID	Method	Analysts	Analytes Reported
50412043001	MW-8S	EPA 9056	GLT	1
50412043002	MW-8D	EPA 9056	GLT	1
50412043003	MW-5D	EPA 9056	GLT	1
50412043004	PZ-5	EPA 9056	GLT	1
50412043005	MW-12D	EPA 9056	GLT	1
50412043006	MW-12S	EPA 9056	GLT	1
50412043007	MW-4S	EPA 9056	MTW	1
50412043008	MW-4D2	EPA 9056	MTW	1

PASI-I = Pace Analytical Services - Indianapolis

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-8S Lab ID: 50412043001 Collected: 09/04/25 09:38 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 09:23		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-8D Lab ID: 50412043002 Collected: 09/04/25 08:45 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 09:41		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-5D Lab ID: 50412043003 Collected: 09/04/25 10:50 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 11:49		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: PZ-5 Lab ID: 50412043004 Collected: 09/04/25 11:00 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 12:07		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-12D Lab ID: 50412043005 Collected: 09/04/25 12:12 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 12:25		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-12S Lab ID: 50412043006 Collected: 09/04/25 12:15 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 12:44		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-4S Lab ID: 50412043007 Collected: 09/04/25 13:30 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 13:01		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-4D2 Lab ID: 50412043008 Collected: 09/04/25 13:40 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 13:20		

4

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QUALITY CONTROL DATA

Project: L2555605

Pace Project No.: 50412043

QC Batch 862090

QC Batch Method: EPA 9056

Analysis Method: EPA 9056

Analysis Description: 9056 Iodide by IC

Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50412043001, 50412043002, 50412043003, 50412043004, 50412043005, 50412043006, 50412043007, 50412043008

METHOD BLANK: 3948828

Matrix: Water

Associated Lab Samples: 50412043001, 50412043002, 50412043003, 50412043004, 50412043005, 50412043006, 50412043007, 50412043008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	09/14/25 10:36	

LABORATORY CONTROL SAMPLE: 3948829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3948830

3948831

Parameter	Units	50412043002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Iodide	mg/L	ND	5	5	5.0	5.0	99	99	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: L2555605

Pace Project No.: 50412043

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2555605
Pace Project No.: 50412043

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50412043001	MW-8S	EPA 9056	862090		
50412043002	MW-8D	EPA 9056	862090		
50412043003	MW-5D	EPA 9056	862090		
50412043004	PZ-5	EPA 9056	862090		
50412043005	MW-12D	EPA 9056	862090		
50412043006	MW-12S	EPA 9056	862090		
50412043007	MW-4S	EPA 9056	862090		
50412043008	MW-4D2	EPA 9056	862090		



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Date: 09/22/2025 10:33 AM

WO#: 50412043



50412043

L2555605

Page 1

Subcontract Chain of Custody

Pace Analytical (Indianapolis, IN)
7726 Moller Road
Indianapolis, IN 46268



Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupahost.com
Phone: 716.427.5228
Email: Jennifer.Bymes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

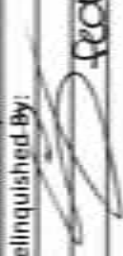
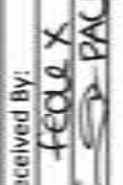
State/Federal Program:
Regulatory Criteria:

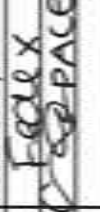
Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2555605 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555605-01	MW-6IS	09-04-25 09:38	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS	MS/MSD	1
	L2555605-02	MW-6ID	09-04-25 08:45	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		3
	L2555605-03	MW-5D	09-04-25 10:50	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
	L2555605-04	PZ-5	09-04-25 11:00	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
	L2555605-05	MW-12D	09-04-25 12:12	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
Relinquished By: 			Date/Time: 9/18/05		Received By: 		Date/Time: 9.9 / 830	
Form No: AL_subcoc								

		Subcontract Chain of Custody Pace Analytical (Indianapolis, IN) 7726 Moller Road Indianapolis, IN 46268		Pace Job Number L2555605 Page 2				
Client Information			Project Information					
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupahost.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com			Project Location: NY Project Manager: Jennifer Byrnes Turnaround & Deliverables Information Due Date: Deliverables: ASP Category B Deliverables (Level 4) Report to MDL					
Regulatory Requirements/Report Limits								
State/Federal Program: Regulatory Criteria:								
Project Specific Requirements and/or Report Requirements								
Reference following Pace Job Number on final report/deliverables: L2555605 Report to include Method and/or Regulatory required batch QC								
Additional Comments:								
Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555605-06	MW-125	09-04-25 12:15	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDO 265 NY EQUIS		1
	L2555605-07	MW-45	09-04-25 13:30	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDO 265 NY EQUIS		1
	L2555605-08	MW-4D2	09-04-25 13:40	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDO 265 NY EQUIS		1
Relinquished By: 			Date/Time: 9/8/25 9.9 / 830		Received By: 		Date/Time: 9.9 / 830	
Form No: AL_subcoc								



SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents:

CW 9/9 1423

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I

Cooler temp should be above freezing to 6°C

2A. Cooler Temperature(s): 0.3/0.3

(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

2B. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

3. Packing Material: Bubble Bags Bubble Wrap None Other: _____

4. Ice Type: Wet Blue None

5. Courier: FedEx UPS Client Pace NOW Jett Other

6. Custody Seal on Cooler/Box Present: Yes No
(If yes) Seals Intact: Yes No *Leave blank if no seals were present*

All discrepancies will be written out in the comments section below.

	Yes	No	N/A
7. USDA Regulated Soils? (HI, ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X	
8. Short Hold Time Analysis (48 hours or less)?:		X	
9. Time 5035A TC placed in Freezer or Short Holds To Lab:	Time: _____		
10. Rush TAT Requested (4 days or less):		X	
11. Custody Signatures Present?	X		
12. Containers intact?	X		
13. Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X		
14. All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO ₃ (<2) H ₂ SO ₄ (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form		X	
15. Residual Chlorine Present (SVOC 625 Pest/PCB 608)			X
16. Residual Chlorine Present (Total/Amenable/Free Cyanide)			X
17. Headspace in VOA Vials (>6mm): See Container Count form for details			X
18. Trip Blank Present?			X
19. Trip Blank Custody Seals?:			X
20. Extra labels on Terracore Vials? (soils only)			X

Comments:

[illegible]

Container Codes

Glass

IG9H	40mL HCl amber vial	IG11	1L Na Thiosulfate clear glass	IP1B	1L NaOH plastic
IG9P	40mL TSP amber vial	IG1U	1L unpreserved glass	IP1N	1L HNO3 plastic
IG9S	40mL H2SO4 amber vial	IG3H	250mL HCl Clear Glass	IP1S	1L H2SO4 plastic
IG9T	40mL Na Thio amber vial	IG3U	250mL Unpres Clear Glass	IP1U	1L unpreserved plastic
IG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	IP1Z	1L NaOH, Zn, Ag
IG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	IP2N	500mL HNO3 plastic
IG9T	40mL Na Thio, clear vial	AG1S	1L H2SO4 amber glass	IP2C	500mL NaOH plastic
IG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	IP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	IP2U	500mL unpreserved plastic
VGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	IP2Z	500mL NaOH, Zn Ag
VGFU	4oz clear soll jar	AG2S	500mL H2SO4 amber glass	IP3H	250mL NaOH plastic
GFU	4oz unpreserved amber wide	AG3U	500mL unpres amber glass	IP3N	250mL HNO3 plastic
GGH	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	IP3P	250mL HNO3 plastic-field filtered
G3F	250mL clear glass HCl, Field Filter	AG3P	250mL H2SO4 amb glass field filtered	IP3U	250mL unpreserved plastic
G1H	1L HCl clear glass	AG3U	250mL unpres amber glass	IP3S	250mL H2SO4 plastic
G1S	1L H2SO4 clear glass		250mL NaOH amber glass	IP3Z	250mL NaOH, ZnAg plastic

Plastic

NT2U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO ₃ plastic
BP4B	125mL H ₂ SO ₄ plastic
Miscellaneous	
Syringe Kit	1LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP6T	120mL Corform Sodium Thiosulfate
GN	General Container
U	Bumma Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 70378152

Table Of Contents



Project Overview

Final Report with COC/SCUR	1
Certifications	2
Sample Summary	3
Sample Analyte Count	4
Project Narrative	5
Analytical Results	6
Quality Control Data	14
Qualifiers	15
Quality Control Data Cross Reference Table	16
Chain of Custody	17

InOrganic

Wet Chemistry

Analytical Results (Form 1-IN)	21
Blanks (Form 3-IN)	29
Duplicates (Form 6-IN)	30
Laboratory Control Spike (Form 7-IN)	31
Preparation Log (Form 12-IN)	33
Analysis Run Log (Form 13-IN)	34
Preparation Logs Raw Data	35



September 15, 2025

Jennifer Byrnes

,

RE: Project: L2555605
Pace Project No.: 70378152

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on September 06, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Pace - West Borough



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L2555605

Pace Project No.: 70378152

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Texas Certification #: T104704582

Florida Certification #: E871198

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L2555605

Pace Project No.: 70378152

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70378152001	MW-8S	Water	09/04/25 09:38	09/06/25 08:08
70378152002	MW-8D	Water	09/04/25 09:45	09/06/25 08:08
70378152003	MW-5D	Water	09/04/25 10:50	09/06/25 08:08
70378152004	PZ-5	Water	09/04/25 11:00	09/06/25 08:08
70378152005	MW-12D	Water	09/04/25 12:12	09/06/25 08:08
70378152006	MW-12S	Water	09/04/25 12:15	09/06/25 08:08
70378152007	MW-4S	Water	09/04/25 13:30	09/06/25 08:08
70378152008	MW-4D2	Water	09/04/25 13:40	09/06/25 08:08

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: L2555605

Pace Project No.: 70378152

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70378152001	MW-8S	SM 4500-S2 F-2011	JWM	1
70378152002	MW-8D	SM 4500-S2 F-2011	JWM	1
70378152003	MW-5D	SM 4500-S2 F-2011	JWM	1
70378152004	PZ-5	SM 4500-S2 F-2011	JWM	1
70378152005	MW-12D	SM 4500-S2 F-2011	JWM	1
70378152006	MW-12S	SM 4500-S2 F-2011	JWM	1
70378152007	MW-4S	SM 4500-S2 F-2011	JWM	1
70378152008	MW-4D2	SM 4500-S2 F-2011	JWM	1

PACE-MV = Pace Analytical Services - Melville

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: L2555605
Pace Project No.: 70378152

Method: SM 4500-S2 F-2011
Description: 4500S2F W Sulfide Iodometric
Client: Pace Westborough
Date: September 15, 2025

General Information:

8 samples were analyzed for SM 4500-S2 F-2011 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.

- MW-12D (Lab ID: 70378152005)
- MW-12S (Lab ID: 70378152006)
- MW-4D2 (Lab ID: 70378152008)
- MW-4S (Lab ID: 70378152007)
- MW-5D (Lab ID: 70378152003)
- MW-8D (Lab ID: 70378152002)
- MW-8S (Lab ID: 70378152001)
- PZ-5 (Lab ID: 70378152004)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 70378152

Sample: MW-8S		Lab ID: 70378152001		Collected: 09/04/25 09:38		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/15/25 14:36		H1

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 70378152

Sample: MW-8D		Lab ID: 70378152002		Collected: 09/04/25 09:45		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:39		H1

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 70378152

Sample: MW-5D		Lab ID: 70378152003		Collected: 09/04/25 10:50		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:42		H1

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 70378152

Sample: PZ-5		Lab ID: 70378152004		Collected: 09/04/25 11:00		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:45		H1

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: L2555605

Pace Project No.: 70378152

Sample: MW-12D		Lab ID: 70378152005		Collected: 09/04/25 12:12		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:48		H1

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ANALYTICAL RESULTS

Project: L2555605

Pace Project No.: 70378152

Sample: MW-12S		Lab ID: 70378152006		Collected: 09/04/25 12:15		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:52		H1

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 70378152

Sample: MW-4S		Lab ID: 70378152007		Collected: 09/04/25 13:30		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:55		H1

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 70378152

Sample: MW-4D2		Lab ID: 70378152008		Collected: 09/04/25 13:40		Received: 09/06/25 08:08		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		09/15/25 14:58		H1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L2555605

Pace Project No.: 70378152

QC Batch:	418914	Analysis Method:	SM 4500-S2 F-2011
QC Batch Method:	SM 4500-S2 F-2011	Analysis Description:	4500S2F W Sulfide Iodometric
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70378152001, 70378152002, 70378152003, 70378152004, 70378152005, 70378152006, 70378152007, 70378152008		

METHOD BLANK:	2226706	Matrix:	Water
Associated Lab Samples:	70378152001, 70378152002, 70378152003, 70378152004, 70378152005, 70378152006, 70378152007, 70378152008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	0.20	0.20	09/15/25 14:28	

LABORATORY CONTROL SAMPLE & LCSD:		2226707	2226708							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2555605

Pace Project No.: 70378152

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

REPORT OF LABORATORY ANALYSIS

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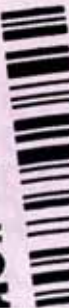
QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2555605
Pace Project No.: 70378152

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70378152001	MW-8S	SM 4500-S2 F-2011	418914		
70378152002	MW-8D	SM 4500-S2 F-2011	418914		
70378152003	MW-5D	SM 4500-S2 F-2011	418914		
70378152004	PZ-5	SM 4500-S2 F-2011	418914		
70378152005	MW-12D	SM 4500-S2 F-2011	418914		
70378152006	MW-12S	SM 4500-S2 F-2011	418914		
70378152007	MW-4S	SM 4500-S2 F-2011	418914		
70378152008	MW-4D2	SM 4500-S2 F-2011	418914		

REPORT OF LABORATORY ANALYSIS

WO#: 70378152



70378152

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2555605

Page 1

Client Information		Project Information		Regulatory Requirements/Report Limits	
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupahost.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com		Project Location: NY Project Manager: Jennifer Byrnes Turnaround & Deliverables Information Due Date: Deliverables: ASP Category B Deliverables (Level 4)		State/Federal Program: Regulatory Criteria: Report to MDL	

Project Specific Requirements and/or Report Requirements
 Reference following Pace Job Number on final report/deliverables: L2555605 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555605-01	MW-8S	09-04-25 09:38	WATER	Sulfide	REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller, needs NYSDC Equis EDD		1
	L2555605-02	MW-8D	09-04-25 08:45	WATER	Sulfide	REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller, needs NYSDC Equis EDD		3
	L2555605-03	MW-5D	09-04-25 10:50	WATER	Sulfide	REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller, needs NYSDC Equis EDD		1
Relinquished By:			Date/Time:		Received By:		Date/Time:	
			9/5/25 1745				9/5 1745	
			9/5				9/5 0630	
			9/5 0800				9/5 0800	

Form No: AL_subcoc



Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2555605

Page 2

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupahost.com
Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

State/Federal Program:
Regulatory Criteria:

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables (Level 4)

Report to MDL

Regulatory Requirements/Report Limits

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2555605 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555605-04	PZ-5	09-04-25 11:00	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NYSEDEC Equis EDD	TAT=	1
	L2555605-05	MW-12D	09-04-25 12:12	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NYSEDEC Equis EDD	TAT=	1
	L2555605-06	MW-12S	09-04-25 12:15	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NYSEDEC Equis EDD	TAT=	1
Relinquished By:			Date/Time:		Date/Time:			
			9/5/25		1745		9/5/25 1745	
							0630	
			9/6/25 0808		KRP		9/6/25 8:08	
Form No: AL_subcoc								

WO#: 70378152

Client Name:

ALPHA

Project:

PM: BDR

Due Date: 09/17/25

CLIENT: ALPHA

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: 16211 Correction Factor: +0.1 Samples on ice, cooling process has begun

Cooler Temperature(°C): 1.3 Cooler Temperature Corrected(°C): 1.2 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 5.0°C

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☒ No

Did samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: UW 9/8/25

	COMMENTS:
Chain of Custody Present: ☒ Yes ☐ No	1.
Chain of Custody Filled Out: ☒ Yes ☐ No	2.
Chain of Custody Relinquished: ☒ Yes ☐ No	3.
Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time: ☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr): ☒ Yes ☐ No	6.
Rush Turn Around Time Requested: ☒ Yes ☐ No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) ☒ Yes ☐ No	8.
Correct Containers Used: ☒ Yes ☐ No	9.
-Pace Containers Used: ☒ Yes ☐ No	
Containers Intact: ☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests: ☐ Yes ☒ No ☐ N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: ☒ Yes ☐ No	12.
-Includes date/time/D/Analysis Matrix: ☒ SE ☐ WT ☐ OIL ☐ OTHER	

Date and Initials of person checking preservation: UW 9/8/25

All containers needing preservation have been pH paper Lot # <u>231224</u> ☒ Yes ☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, ☒ Yes ☐ No ☐ N/A NAOH>12 Cyanide)	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).	Initial when completed: Lot # of added preservative: Date/Time preservative added:
Per Method, VOA pH is checked after analysis	
Samples checked for dechlorination: ☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #	Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #	
SM 4500 CN samples checked for sulf ☐ Yes ☐ No ☒ N/A	15.
Lead Acetate Strips Lot #	Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm): ☐ Yes ☐ No ☒ N/A	
Headspace in VOA Vials (>6mm): ☐ Yes ☐ No ☒ N/A	16.
Trip Blank Present: ☐ Yes ☐ No ☒ N/A	
Trip Blank Custody Seals Present: ☐ Yes ☐ No ☒ N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-8S

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605
Lab Sample ID: 70378152001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/15/2025 14:36

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-8D

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605
Lab Sample ID: 70378152002 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/15/2025 14:39

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-5D

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605
Lab Sample ID: 70378152003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/15/2025 14:42

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PZ-5

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605
Lab Sample ID: 70378152004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/15/2025 14:45

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12D

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605
Lab Sample ID: 70378152005 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/15/2025 14:48

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12S

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605
Lab Sample ID: 70378152006 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/15/2025 14:52

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4S

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605
Lab Sample ID: 70378152007 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/15/2025 14:55

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4D2

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605
Lab Sample ID: 70378152008 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/15/2025 14:58

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract : L2555605

Method Blank Matrix: Water Instrument ID: 70WET0

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C		
Sulfide									<0.20	U

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

2226708LCSD

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Sulfide	20	14.0	14.0	0

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

2226707LCS

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Sulfide	mg/L	14.0	14.0	100	85	115

FORM VII INORGANIC-2
LABORATORY CONTROL SAMPLE

SAMPLE NO.

2226708LCSD

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Sulfide	mg/L	14.0	14.0	100	85	115

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605

Preparation Method: SM 4500-S2 F-2011 Batch: WET 94612

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
2226706	2226706BLANK	09/15/2025	200	200
2226707	2226707LCS	09/15/2025	200	200
2226708	2226708LCSD	09/15/2025	200	200
70378152001	MW-8S	09/15/2025	1000	1000
70378152002	MW-8D	09/15/2025	1000	1000
70378152003	MW-5D	09/15/2025	1000	1000
70378152004	PZ-5	09/15/2025	1000	1000
70378152005	MW-12D	09/15/2025	1000	1000
70378152006	MW-12S	09/15/2025	1000	1000
70378152007	MW-4S	09/15/2025	1000	1000
70378152008	MW-4D2	09/15/2025	1000	1000

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - New York SDG No. : 70378152 Contract: L2555605

Instrument ID: 70WETO Analysis Method: SM 4500-S2 F-2011

Start Date: 09/15/2025 14:28 End Date: 09/15/2025 14:58

Sample Name	Lab Sample ID	D/F	Date	Time	sulf
2226706BLANK	2226706	1	09/15/2025	14:28	X
2226707LCS	2226707	1	09/15/2025	14:29	X
2226708LCSD	2226708	1	09/15/2025	14:30	X
MW-8S	70378152001	1	09/15/2025	14:36	X
MW-8D	70378152002	1	09/15/2025	14:39	X
MW-5D	70378152003	1	09/15/2025	14:42	X
PZ-5	70378152004	1	09/15/2025	14:45	X
MW-12D	70378152005	1	09/15/2025	14:48	X
MW-12S	70378152006	1	09/15/2025	14:52	X
MW-4S	70378152007	1	09/15/2025	14:55	X
MW-4D2	70378152008	1	09/15/2025	14:58	X

 Prep Log Report

Batch Information: WET_SULFIDE_94612_9/15/25

4500S2F | Sulfide

Analysis Method	SM 4500-S2 F-2011
Starch Indicator Solution	216727

Instrument	70WETO
Reviewed By	SDO

Analyzed By	JWM
Reviewed By Date	09/15/2025 15:13

1:1 HCl	215903
Batch Notes	

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Initial Volume (mL)	Iodine 0.025N (mL)	Thio Start (mL)	Thio End (mL)	Sodium Thiosulfate 0.025N (mL)	Sulfide	Units	Run Date/Time	Filtered	Glass Fiber Filters (l)	Sample Notes
4500S2F W	BLANK	2226706	Y	200	217994 (5)	3.3	8.3	215884 (5.00)	0.00	mg/L	09/15/2025 14:28:36	Yes	221742 (l)	
4500S2F W	LCS	2226707	Y	200	217994 (10)	8.3	11.3	215884 (3.00)	14.00	mg/L	09/15/2025 14:29:38	Yes	221742 (l)	
4500S2F W	LCSD	2226708	Y	200	217994 (10)	11.3	14.3	215884 (3.00)	14.00	mg/L	09/15/2025 14:30:41	Yes	221742 (l)	
4500S2F W	PS	70377902001	Y	1000	217994 (5)	0	4.2	215884 (4.20)	0.32	mg/L	09/15/2025 14:33:45	Yes	221742 (l)	
4500S2F W	PS	70378152001	Y	1000	217994 (5)	4.2	9.2	215884 (5.00)	0.00	mg/L	09/15/2025 14:36:48	Yes	221742 (l)	
4500S2F W	PS	70378152002	Y	1000	217994 (5)	9.2	14.2	215884 (5.00)	0.00	mg/L	09/15/2025 14:39:50	Yes	221742 (l)	
4500S2F W	PS	70378152003	Y	1000	217994 (5)	14.2	19.2	215884 (5.00)	0.00	mg/L	09/15/2025 14:42:52	Yes	221742 (l)	
4500S2F W	PS	70378152004	Y	1000	217994 (5)	19.2	24.2	215884 (5.00)	0.00	mg/L	09/15/2025 14:45:56	Yes	221742 (l)	
4500S2F W	PS	70378152005	Y	1000	217994 (5)	24.2	29.2	215884 (5.00)	0.00	mg/L	09/15/2025 14:48:59	Yes	221742 (l)	
4500S2F W	PS	70378152006	Y	1000	217994 (5)	29.2	34.2	215884 (5.00)	0.00	mg/L	09/15/2025 14:52:01	Yes	221742 (l)	
4500S2F W	PS	70378152007	Y	1000	217994 (5)	34.2	39.2	215884 (5.00)	0.00	mg/L	09/15/2025 14:55:03	Yes	221742 (l)	
4500S2F W	PS	70378152008	Y	1000	217994 (5)	39.2	44.2	215884 (5.00)	0.00	mg/L	09/15/2025 14:58:05	Yes	221742 (l)	

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	BLANK	2226706	
4500S2F W	LCS	2226707	215909 (1)
4500S2F W	LCSD	2226708	215909 (1)

Wed, 15 Oct 2025 07:49:57 -0500



Prep Log Report

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	PS	70377902001	
4500S2F W	PS	70378152001	
4500S2F W	PS	70378152002	
4500S2F W	PS	70378152003	
4500S2F W	PS	70378152004	
4500S2F W	PS	70378152005	
4500S2F W	PS	70378152006	
4500S2F W	PS	70378152007	
4500S2F W	PS	70378152008	

Standard Notes:

215909: Wet Sulfide LCS/ Second Source



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 50412043

Table Of Contents



Project Overview

Final Report with COC/SCUR	1
Cover Page	1
Table of Contents	2
Section 1: Cert Page	3
Section 2: Sample Summary	4
Section 3: Sample Analyte	5
Section 4: Results	6
Section 5: Quality Control	14
Section 6: Qualifiers	15
Section 7: QC Cross Reference	16
Section 8: Chain of Custody	17

InOrganic

Ion Chromatography

Analytical Results (Form 1-IN)	21
Initial & Continuing Calibration Verification (Form 2A-IN)	29
Blanks (Form 3-IN)	31
Matrix Spike Recovery (Form 5A-IN)	33
Duplicates (Form 6-IN)	35
Laboratory Control Spike (Form 7-IN)	36
Preparation Log (Form 12-IN)	37
Analysis Run Log (Form 13-IN)	38
Ion Chromatography Raw Data (Multiple Schedules/Sample)	39



September 22, 2025

Jennifer Byrnes
Pace Analytical Westborough
8 Walkup Drive
Westborough, MA 01581

RE: Project: L2555605
Pace Project No.: 50412043

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace Analytical Westborough



REPORT OF LABORATORY ANALYSIS

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Table of Contents

Sections:

-2-

Section 1: Cert Page	3
Section 2: Sample Summary	4
Section 3: Sample Analyte	5
Section 4: Results	6
Section 5: Quality Control	14
Section 6: Qualifiers	15
Section 7: QC Cross Reference	16
Section 8: Chain of Custody	15
8.1: Chain of Custody	17

1

2

3

4

5

6

7

8



CERTIFICATIONS

Project: L2555605
Pace Project No.: 50412043

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Indiana Drinking Water Laboratory #: C-49-06
Kentucky UST Agency Interest #: 80226
Louisiana Certification #: 04076
Oklahoma Laboratory #: 9204
Washington Dept of Ecology #: C1081
USDA Foreign Soil Permit #: 525-23-13-23119

Illinois Accreditation #: 200074
Kansas/TNI Certification #: E-10177
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Texas Certification #: T104704355
Wisconsin Laboratory #: 999788130
USDA Compliance Agreement #: IN-SL-22-001

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SAMPLE SUMMARY

Project: L2555605
Pace Project No.: 50412043

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50412043001	MW-8S	Water	09/04/25 09:38	09/09/25 08:30
50412043002	MW-8D	Water	09/04/25 08:45	09/09/25 08:30
50412043003	MW-5D	Water	09/04/25 10:50	09/09/25 08:30
50412043004	PZ-5	Water	09/04/25 11:00	09/09/25 08:30
50412043005	MW-12D	Water	09/04/25 12:12	09/09/25 08:30
50412043006	MW-12S	Water	09/04/25 12:15	09/09/25 08:30
50412043007	MW-4S	Water	09/04/25 13:30	09/09/25 08:30
50412043008	MW-4D2	Water	09/04/25 13:40	09/09/25 08:30

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SAMPLE ANALYTE COUNT

Project: L2555605
Pace Project No.: 50412043



Lab ID	Sample ID	Method	Analysts	Analytes Reported
50412043001	MW-8S	EPA 9056	GLT	1
50412043002	MW-8D	EPA 9056	GLT	1
50412043003	MW-5D	EPA 9056	GLT	1
50412043004	PZ-5	EPA 9056	GLT	1
50412043005	MW-12D	EPA 9056	GLT	1
50412043006	MW-12S	EPA 9056	GLT	1
50412043007	MW-4S	EPA 9056	MTW	1
50412043008	MW-4D2	EPA 9056	MTW	1

PASI-I = Pace Analytical Services - Indianapolis

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-8S Lab ID: 50412043001 Collected: 09/04/25 09:38 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 09:23		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-8D Lab ID: 50412043002 Collected: 09/04/25 08:45 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 09:41		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-5D Lab ID: 50412043003 Collected: 09/04/25 10:50 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 11:49		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: PZ-5 Lab ID: 50412043004 Collected: 09/04/25 11:00 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 12:07		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-12D Lab ID: 50412043005 Collected: 09/04/25 12:12 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 12:25		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-12S Lab ID: 50412043006 Collected: 09/04/25 12:15 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/14/25 12:44		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-4S Lab ID: 50412043007 Collected: 09/04/25 13:30 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 13:01		

4

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ANALYTICAL RESULTS

Project: L2555605
Pace Project No.: 50412043

Sample: MW-4D2 Lab ID: 50412043008 Collected: 09/04/25 13:40 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 13:20		

4

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QUALITY CONTROL DATA

Project: L2555605

Pace Project No.: 50412043

QC Batch 862090

QC Batch Method: EPA 9056

Analysis Method: EPA 9056

Analysis Description: 9056 Iodide by IC

Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50412043001, 50412043002, 50412043003, 50412043004, 50412043005, 50412043006, 50412043007, 50412043008

METHOD BLANK: 3948828

Matrix: Water

Associated Lab Samples: 50412043001, 50412043002, 50412043003, 50412043004, 50412043005, 50412043006, 50412043007, 50412043008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	09/14/25 10:36	

LABORATORY CONTROL SAMPLE: 3948829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3948830

3948831

Parameter	Units	50412043002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Iodide	mg/L	ND	5	5	5.0	5.0	99	99	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: L2555605
Pace Project No.: 50412043

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2555605
Pace Project No.: 50412043

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50412043001	MW-8S	EPA 9056	862090		
50412043002	MW-8D	EPA 9056	862090		
50412043003	MW-5D	EPA 9056	862090		
50412043004	PZ-5	EPA 9056	862090		
50412043005	MW-12D	EPA 9056	862090		
50412043006	MW-12S	EPA 9056	862090		
50412043007	MW-4S	EPA 9056	862090		
50412043008	MW-4D2	EPA 9056	862090		

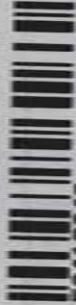


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WO#: 50412043



50412043

L2555605

Page 1

Subcontract Chain of Custody

Pace Analytical (Indianapolis, IN)
7726 Moller Road
Indianapolis, IN 46268



Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupahost.com
Phone: 716.427.5228
Email: Jennifer.Bymes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

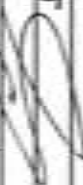
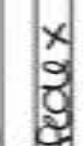
State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2555605 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555605-01	MW-6S	09-04-25 09:38	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS	MS/MSD	1
	L2555605-02	MW-6D	09-04-25 08:45	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		3
	L2555605-03	MW-5D	09-04-25 10:50	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
	L2555605-04	PZ-5	09-04-25 11:00	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
	L2555605-05	MW-12D	09-04-25 12:12	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
Relinquished By: 			Date/Time: 9/18/05	Date/Time: 9.9 / 830	Received By: 	Date/Time: 9.9 / 830		
Form No: AL_subcoc								

		Subcontract Chain of Custody Pace Analytical (Indianapolis, IN) 7726 Moller Road Indianapolis, IN 46268		Pace Job Number L2555605 Page 2				
Client Information			Project Information			Regulatory Requirements/Report Limits		
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupahost.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com			Project Location: NY Project Manager: Jennifer Byrnes		State/Federal Program: Regulatory Criteria:			
			Turnaround & Deliverables Information		Report to MDL			
			Due Date: Deliverables: ASP Category B Deliverables (Level 4)					
Project Specific Requirements and/or Report Requirements								
Reference following Pace Job Number on final report/deliverables: L2555605 Report to include Method and/or Regulatory required batch QC								
Additional Comments:								
Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555605-06	MW-125	09-04-25 12:15	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDO 265 NY EQUIS		1
	L2555605-07	MW-45	09-04-25 13:30	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDO 265 NY EQUIS		1
	L2555605-08	MW-4D2	09-04-25 13:40	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDO 265 NY EQUIS		1
Relinquished By:			Date/Time: 9/8/25 9.9 / 830		Received By:		Date/Time: 9.9 / 830	
Form No: AL_subcoc								



SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents:

CW 9/9 1423

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I

Cooler temp should be above freezing to 6°C

2A. Cooler Temperature(s): 0.3/0.3

(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

2B. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

3. Packing Material: Bubble Bags Bubble Wrap None Other: _____

4. Ice Type: Wet Blue None

5. Courier: FedEx UPS Client Pace NOW Jett Other

6. Custody Seal on Cooler/Box Present: Yes No
(If yes) Seals Intact: Yes No *Leave blank if no seals were present*

All discrepancies will be written out in the comments section below.

	Yes	No	N/A
7. USDA Regulated Soils? (HI, ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X	
8. Short Hold Time Analysis (48 hours or less)?:		X	
9. Time 5035A TC placed in Freezer or Short Holds To Lab:	Time: _____		
10. Rush TAT Requested (4 days or less):		X	
11. Custody Signatures Present?	X		
12. Containers intact?	X		
13. Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X		
14. All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO ₃ (<2) H ₂ SO ₄ (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form		X	
15. Residual Chlorine Present (SVOC 625 Pest/PCB 608)			X
16. Residual Chlorine Present (Total/Amenable/Free Cyanide)			X
17. Headspace in VOA Vials (>6mm): See Container Count form for details			X
18. Trip Blank Present?			X
19. Trip Blank Custody Seals?:			X
20. Extra labels on Terracore Vials? (soils only)			X

Comments:

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

	MeOH (100%) SBS		DI	R	VOA VIAL HB (4mm)	AMBER GLASS										PLASTIC					OTHER					Sodium Hydroxide/ZnAc						
	WGKFU	WGKFU	WGKFU	WGKFU	WG9H	DG9H	WG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe	KL	N2	Nitro	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ZnAc
1																																
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Matrix	5	1	2	3	4	5	6	7	8	9	10	11	12
									</				

Container Codes

Glass

IG0H	40mL HCl amber vial	IG01T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
IG0P	40mL TSP amber vial	IG01U	1L unreserved glass	BP1N	1L HNO3 plastic
IG0S	40mL H2SO4 amber vial	CG03H	250mL HCl Clear Glass	BP1B	1L H2SO4 plastic
IG0T	40mL Na Thio amber vial	CG03U	250mL Unpres Clear Glass	BP1U	1L unreserved plastic
IG0U	40mL unreserved amber vial	AG00U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
IG0H	40mL HCl clear vial	AG01H	1L HCl amber glass	BP2N	500mL HNO3 plastic
IG0Y	40mL Na Thio, clear vial	AG01B	1L H2SO4 amber glass	BP2G	500mL NaOH plastic
IG0U	40mL unreserved clear vial	AG01T	1L Na Thiosulfate amber glass	BP2B	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG01U	1liter unpres amber glass	BP2U	500mL unreserved plastic
VG0U	8oz unreserved clear jar	AG02N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
VG0U	4oz clear soil jar	AG02S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
IG0U	4oz unreserved amber wide	AG02U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
IG0H	250mL clear glass HCl	AG03S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
IG0P	250mL clear glass HCl, Field Filter	AG03F	250mL H2SO4 and glass field filtered	BP3U	250mL unreserved plastic
IG0H	1L HCl clear glass	AG03U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
IG0S	1L H2SO4 clear glass	AG03B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT2U	Non Teflon 250mL unreserved plastic
BP4U	125mL unreserved plastic
BP4N	125mL HNO3 plastic
BP4B	125mL H2SO4 plastic
Miscellaneous	
Syringe kit	1L Cr+6 sampling kit
ZP1G	Ziploc Bag
R	Terracore Kit
BP5T	120mL Collform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-8S

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605
Lab Sample ID: 50412043001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/14/2025 09:23

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-8D

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605
Lab Sample ID: 50412043002 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/14/2025 09:41

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-5D

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605
Lab Sample ID: 50412043003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/14/2025 11:49

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

PZ-5

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605
Lab Sample ID: 50412043004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/14/2025 12:07

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12D

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605
Lab Sample ID: 50412043005 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/14/2025 12:25

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12S

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605
Lab Sample ID: 50412043006 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/14/2025 12:44

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4S

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605
Lab Sample ID: 50412043007 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/19/2025 13:01

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4D2

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605
Lab Sample ID: 50412043008 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/19/2025 13:20

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605

Initial Calibration Verification Source: 422116

Continuing Calibration Verification Source: 422117

Concentration Units: mg/L Instrument ID: 50IC05

	Initial Calibration Verification				Continuing Calibration Verification						
	08/08/2025 11:25				09/14/2025 06:19			09/14/2025 09:59			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Iodide	5.0	5.0	100.5	90-110	1.0	0.91	90.8	1.0	0.93	92.9	90-110

FORM II INORGANIC-2
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 422117, 429001

Concentration Units: mg/L Instrument ID: 50IC05

	Continuing Calibration Verification									
	09/14/2025 13:02			09/19/2025 12:25			09/19/2025 14:33			Control Limit
Analyte	True	Found	%R	True	Found	%R	True	Found	%R	
Iodide	1.0	0.96	95.9	1.0	0.90	90.4	1.0	0.94	94.3	90-110

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract : L2555605

Method Blank Matrix: Water Instrument ID: 50IC05

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank (mg/L)		Continuing Calibration Blank (mg/L)						Method Blank	
	08/08/2025 11:43	C	09/14/2025 06:38	C	09/14/2025 10:17	C	09/14/2025 13:20	C	3948828	C
Iodide	0.068	U	0.068	U	0.068	U	0.068	U	ND	U

FORM III INORGANIC-2
BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract : L2555605

Method Blank Matrix: _____ Instrument ID: 50IC05

Method Blank Concentration Units: _____

Analyte	Initial Calibration Blank		Continuing Calibration Blank (mg/L)					
		C	09/19/2025 12:43	C	09/19/2025 14:51	C		C
Iodide			0.068	U	0.068	U		

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

3948830MS

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605

Matrix: Water Basis: Wet Parent Sample ID: MW-8D

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Iodide	mg/L	80-120	5.0	ND	5.0	99

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

3948831MSD

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605

Matrix: Water Basis: Wet Parent Sample ID: MW-8D

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Iodide	mg/L	80-120	5.0	ND	5.0	99

SAMPLE NO.

FORM VI INORGANIC-1
DUPLICATES

3948831MSD

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605Matrix: Water Concentration Units: mg/LPercent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Iodide	15	5.0	5.0	0

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

3948829LCS

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Iodide	mg/L	5.0	5.0	100	80	120

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605

Preparation Method: EPA 9056 Batch: GCSV 62064

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
3948828	3948828BLANK	09/14/2025	10	10
3948829	3948829LCS	09/14/2025	10	10
3948830	3948830MS	09/14/2025	10	10
3948831	3948831MSD	09/14/2025	10	10
50412043001	MW-8S	09/14/2025	10	10
50412043002	MW-8D	09/14/2025	10	10
50412043003	MW-5D	09/14/2025	10	10
50412043004	PZ-5	09/14/2025	10	10
50412043005	MW-12D	09/14/2025	10	10
50412043006	MW-12S	09/14/2025	10	10
50412043007	MW-4S	09/19/2025	10	10
50412043008	MW-4D2	09/19/2025	10	10

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50412043 Contract: L2555605

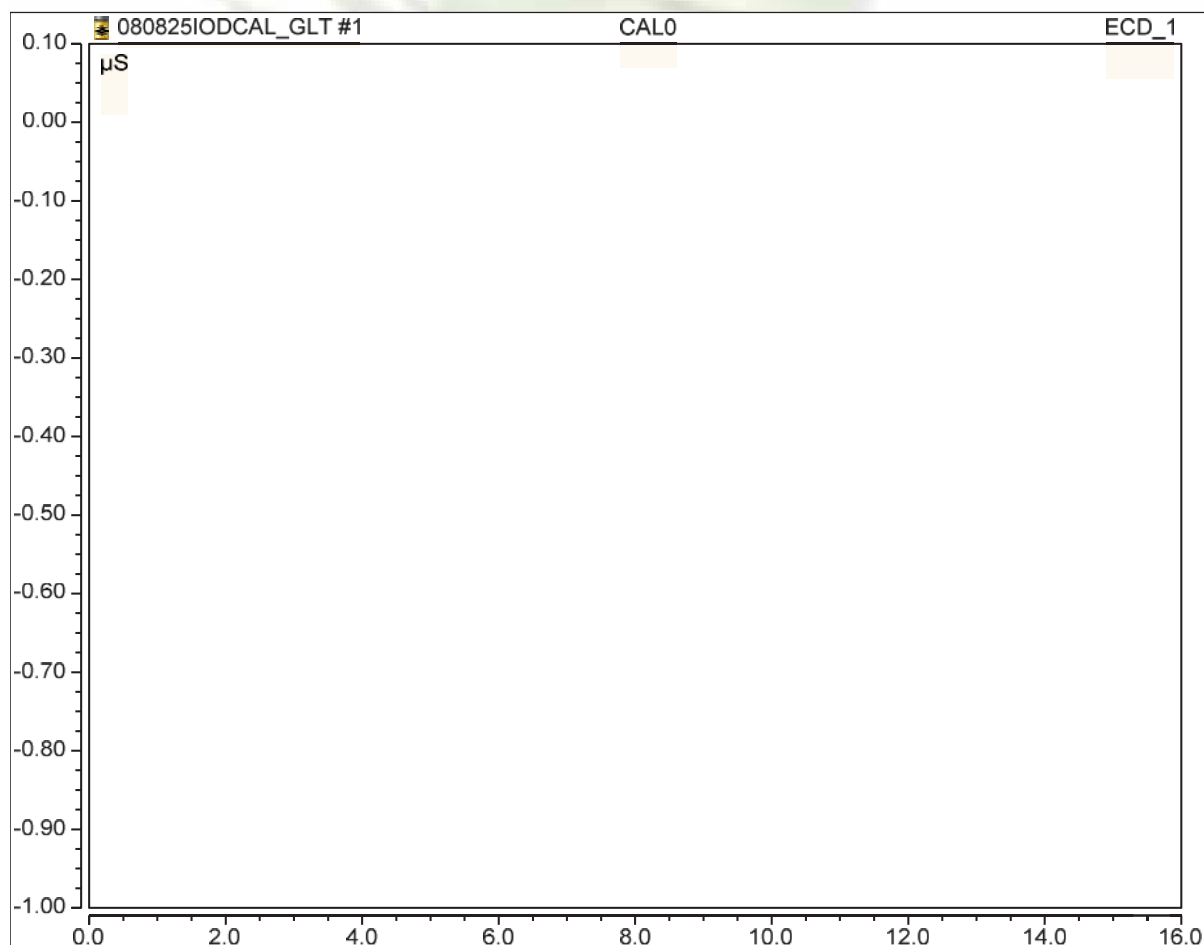
Instrument ID: 50IC05 Analysis Method: EPA 9056

Start Date: 08/08/2025 09:35 End Date: 09/19/2025 14:51

Sample Name	Lab Sample ID	D/F	Date	Time	iodi
27511502CAL0	27511502CAL0	1	08/08/2025	09:35	X
27387566CAL1	27387566CAL1	1	08/08/2025	09:54	X
27387567CAL2	27387567CAL2	1	08/08/2025	10:12	X
27387568CAL3	27387568CAL3	1	08/08/2025	10:30	X
27387569CAL4	27387569CAL4	1	08/08/2025	10:48	X
27387570CAL5	27387570CAL5	1	08/08/2025	11:07	X
27387571ICV	27387571ICV	1	08/08/2025	11:25	X
27387572ICB	27387572ICB	1	08/08/2025	11:43	X
27587813CCV	27587813CCV	1	09/14/2025	06:19	X
27587814CCB	27587814CCB	1	09/14/2025	06:38	X
MW-8S	50412043001	1	09/14/2025	09:23	X
MW-8D	50412043002	1	09/14/2025	09:41	X
27587815CCV	27587815CCV	1	09/14/2025	09:59	X
27587816CCB	27587816CCB	1	09/14/2025	10:17	X
3948828BLANK	3948828	1	09/14/2025	10:36	X
3948829LCS	3948829	1	09/14/2025	10:54	X
3948830MS	3948830	1	09/14/2025	11:12	X
3948831MSD	3948831	1	09/14/2025	11:31	X
MW-5D	50412043003	1	09/14/2025	11:49	X
PZ-5	50412043004	1	09/14/2025	12:07	X
MW-12D	50412043005	1	09/14/2025	12:25	X
MW-12S	50412043006	1	09/14/2025	12:44	X
27587817CCV	27587817CCV	1	09/14/2025	13:02	X
27587818CCB	27587818CCB	1	09/14/2025	13:20	X
27626604CCV	27626604CCV	1	09/19/2025	12:25	X
27626605CCB	27626605CCB	1	09/19/2025	12:43	X
MW-4S	50412043007	1	09/19/2025	13:01	X
MW-4D2	50412043008	1	09/19/2025	13:20	X
27631241CCV	27631241CCV	1	09/19/2025	14:33	X
27631242CCB	27631242CCB	1	09/19/2025	14:51	X

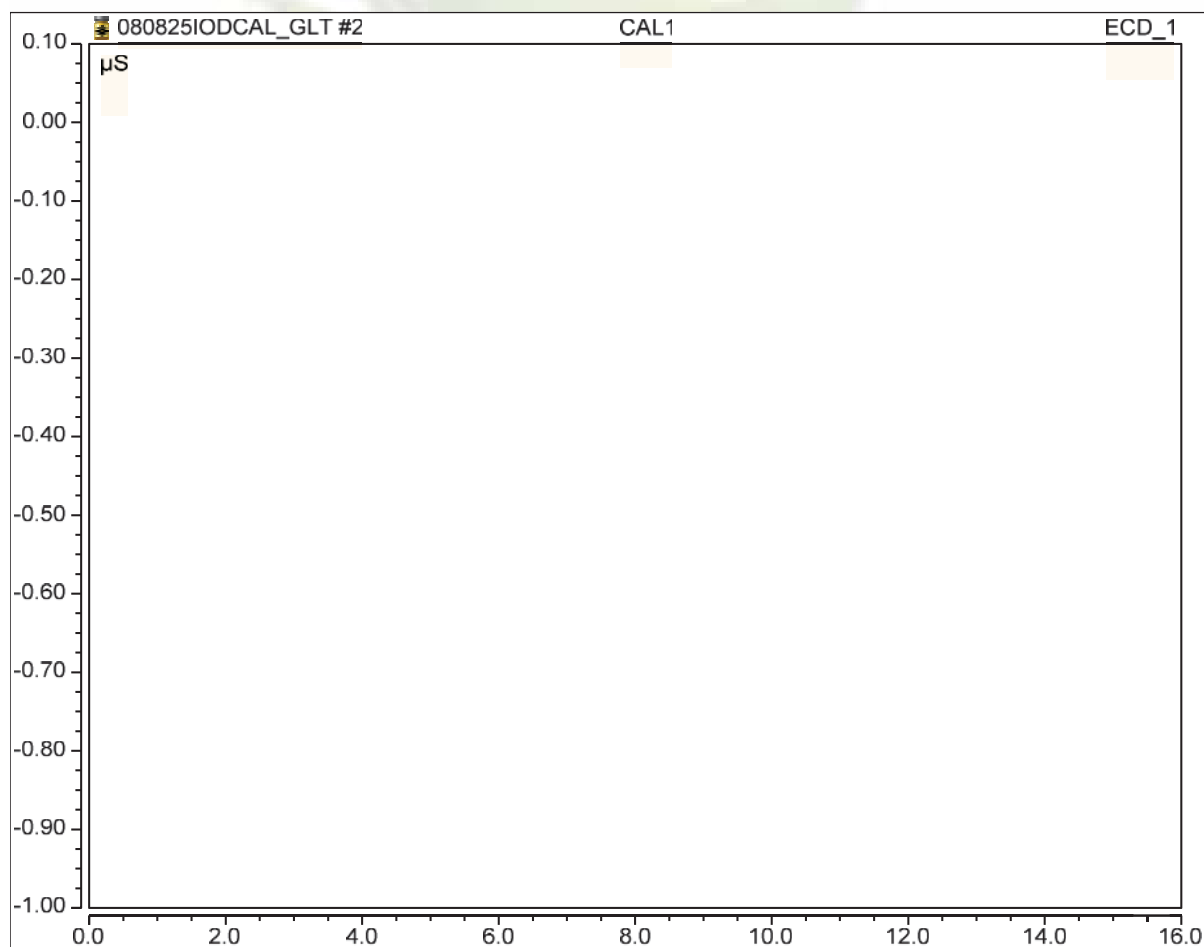
CAL0			
412755			
Sample Name:	CAL0	Injection Volume (uL):	25.00
Vial Number:	GA1	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 09:35	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount n.a.	Area μS*min	Height μS	Type
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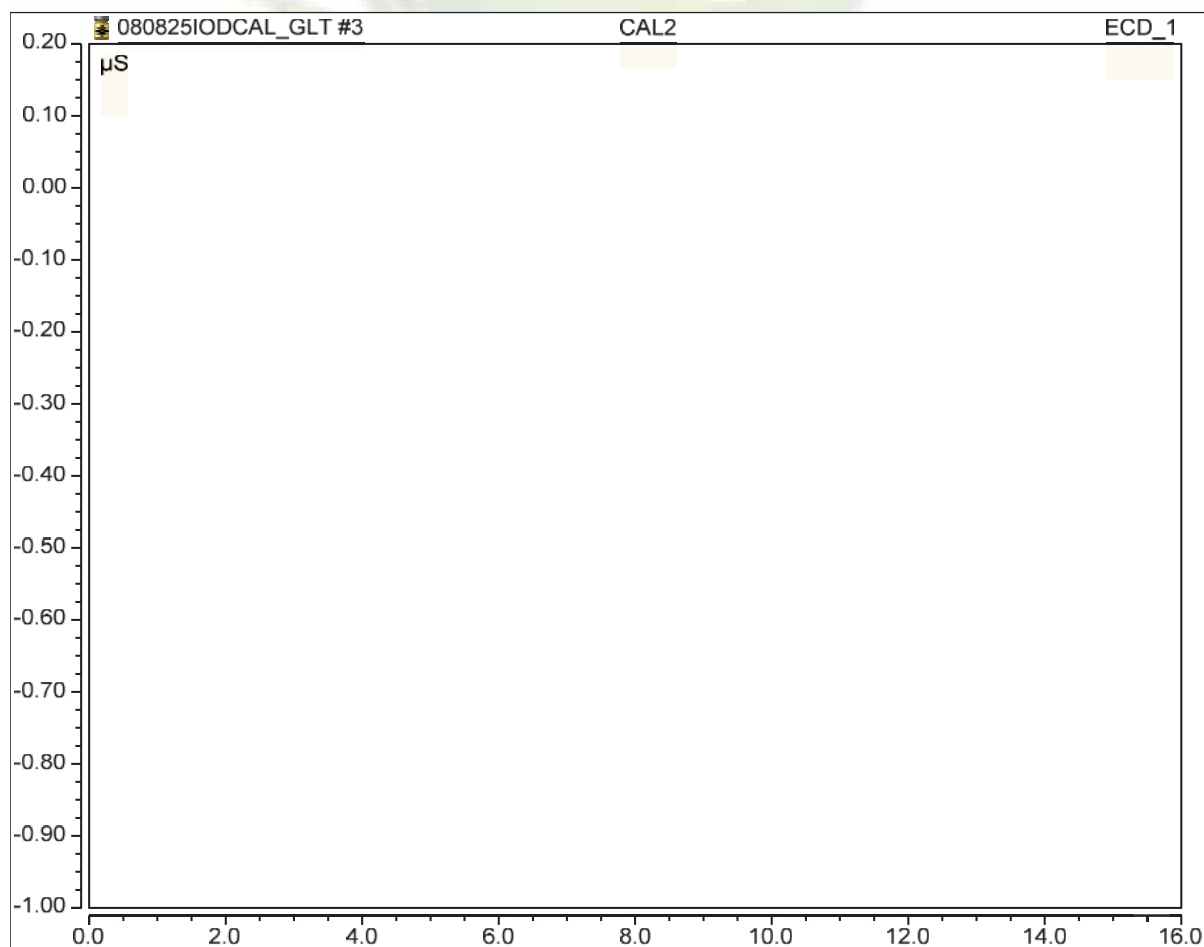
CAL1			
412754			
Sample Name:	CAL1	Injection Volume (uL):	25.00
Vial Number:	GA2	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 09:54	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.67	Iodide	0.5368	0.018	0.045	BMB



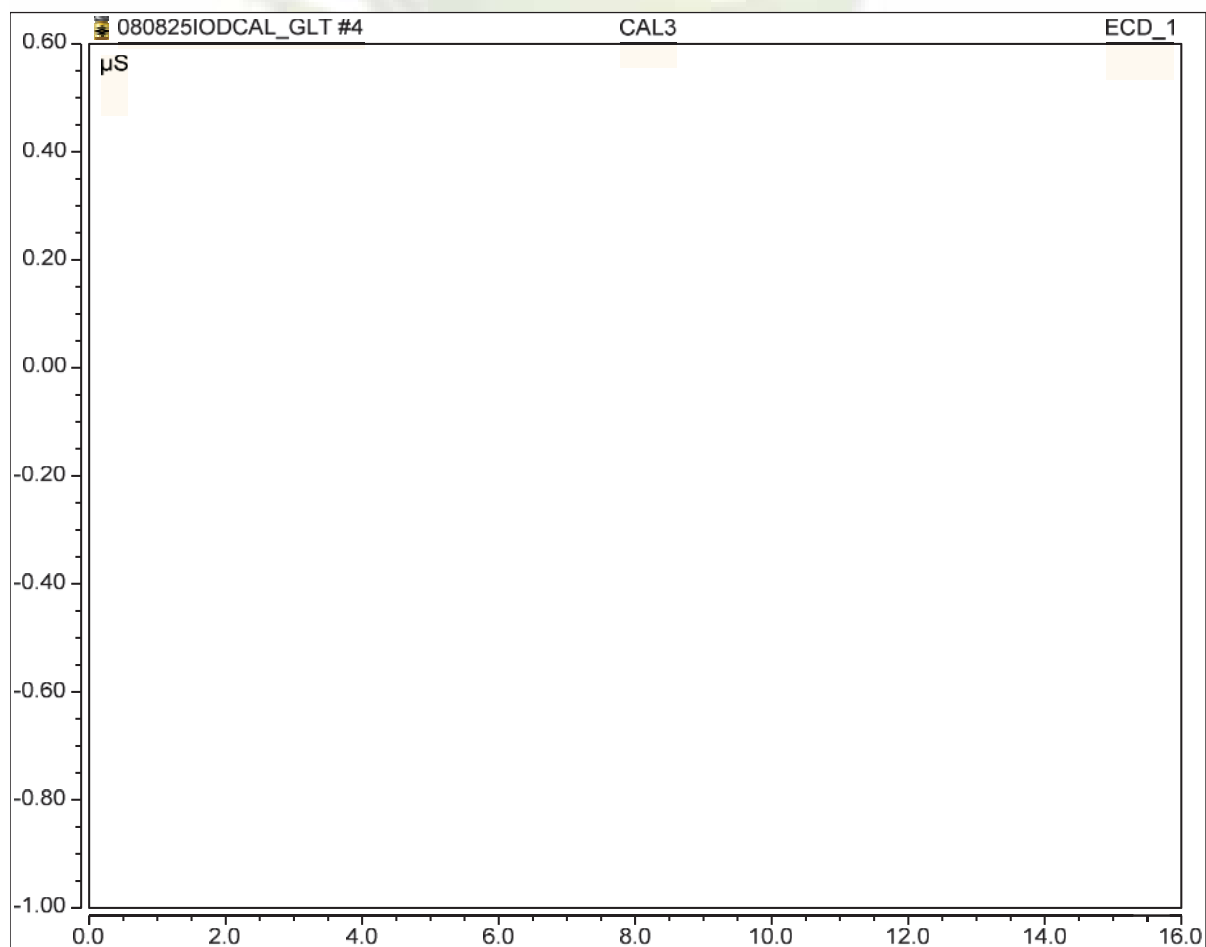
CAL2			
412753			
Sample Name:	CAL2	Injection Volume (uL):	25.00
Vial Number:	GA3	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 10:12	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.68	Iodide	0.9273	0.031	0.087	BMB



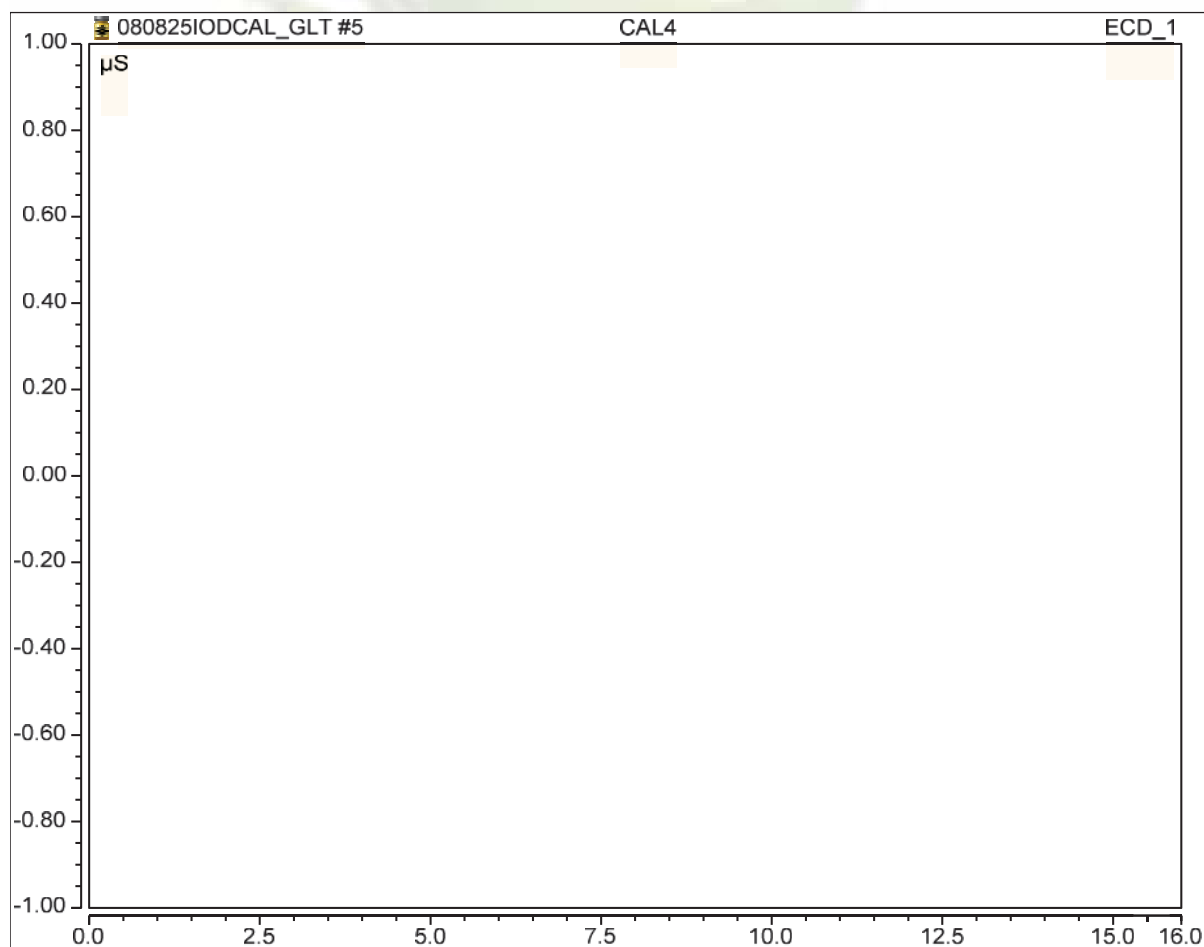
CAL3			
412752			
Sample Name:	CAL3	Injection Volume (uL):	25.00
Vial Number:	GA4	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 10:30	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.64	Iodide	4.9735	0.165	0.447	BMB



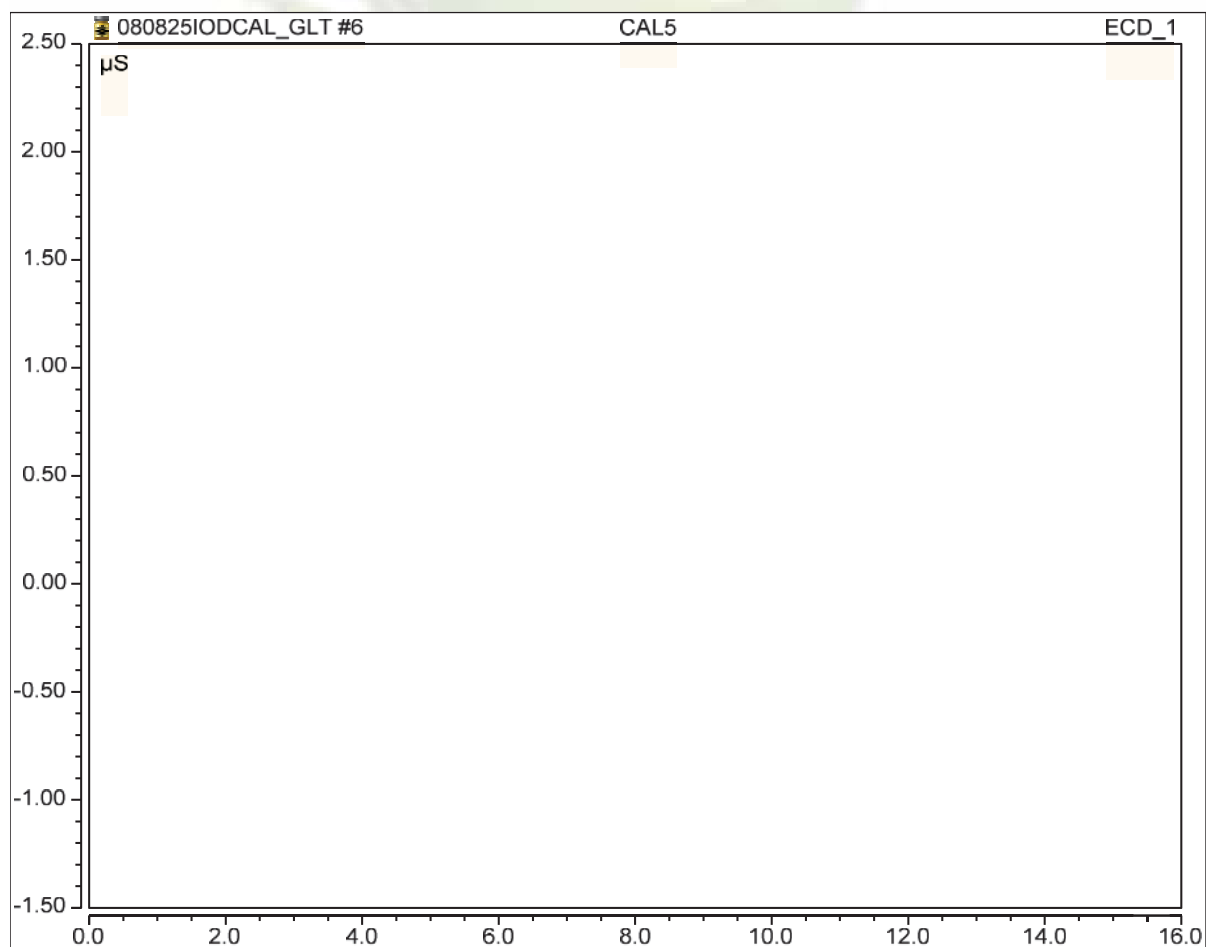
CAL4			
412751			
Sample Name:	CAL4	Injection Volume (uL):	25.00
Vial Number:	GA5	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 10:48	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.66	Iodide	10.0297	0.333	0.908	BMB



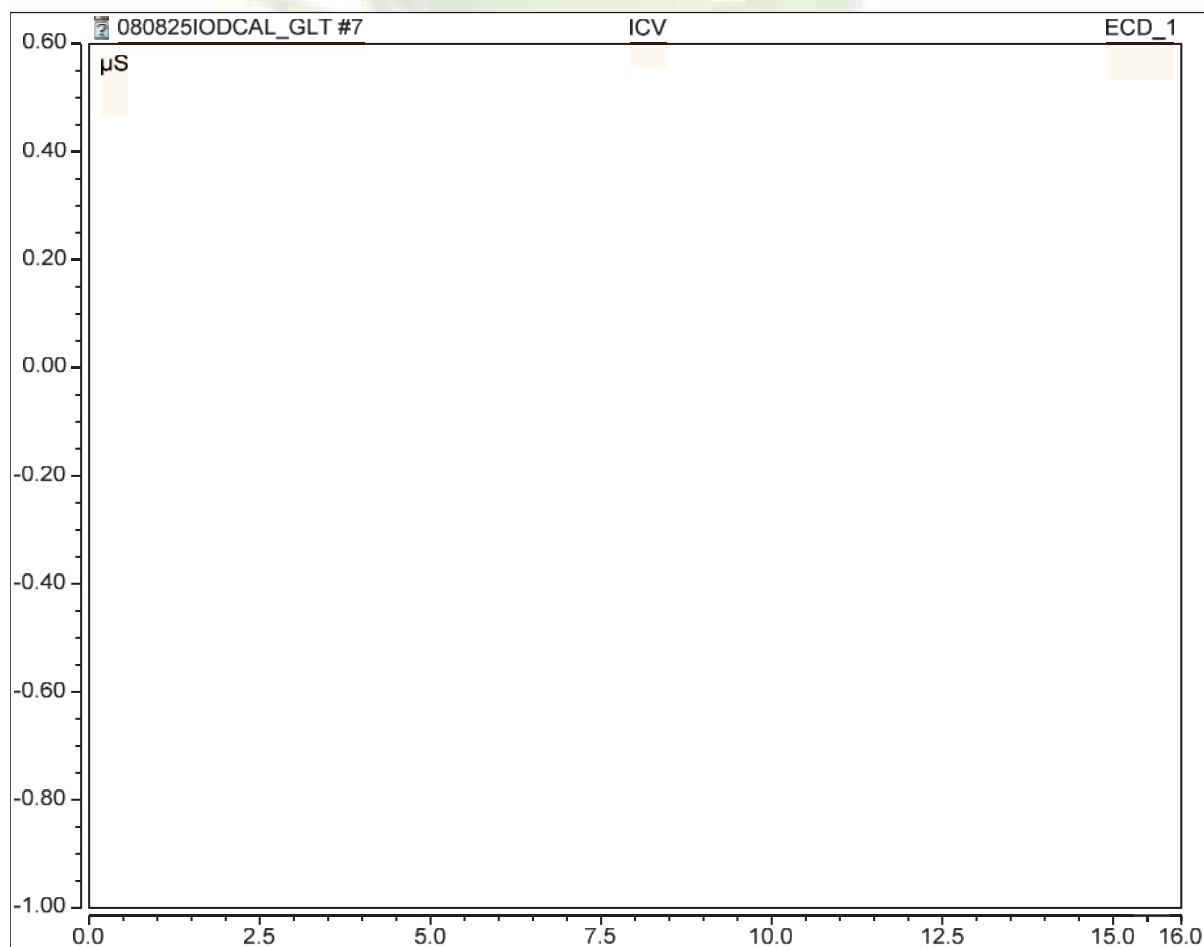
CAL5			
412750			
Sample Name:	CAL5	Injection Volume (uL):	25.00
Vial Number:	GA6	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 11:07	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.63	Iodide	25.0327	0.830	2.271	BMB



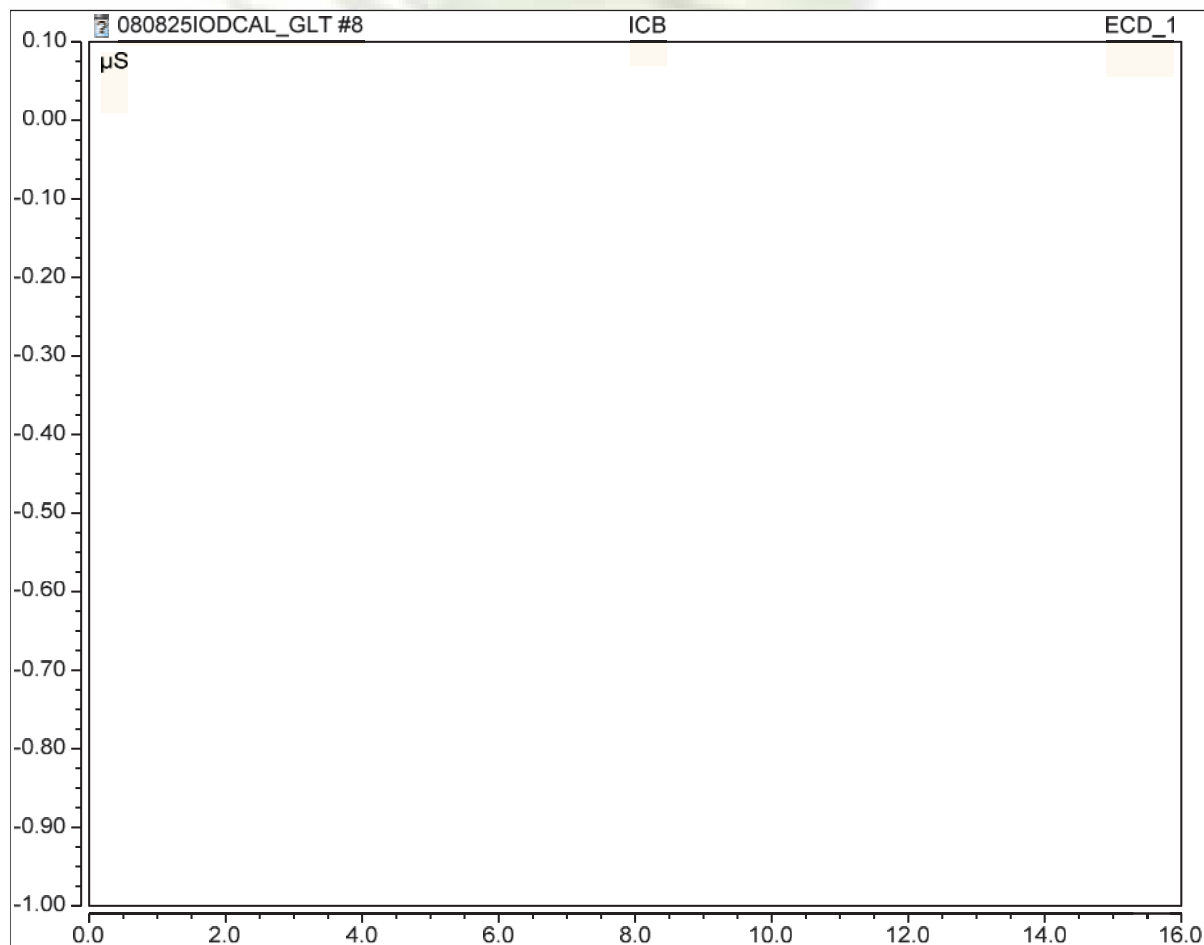
ICV			
399113			
Sample Name:	ICV	Injection Volume (uL):	25.00
Vial Number:	B3	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 11:25	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.69	Iodide	5.0227	0.167	0.450	BMB



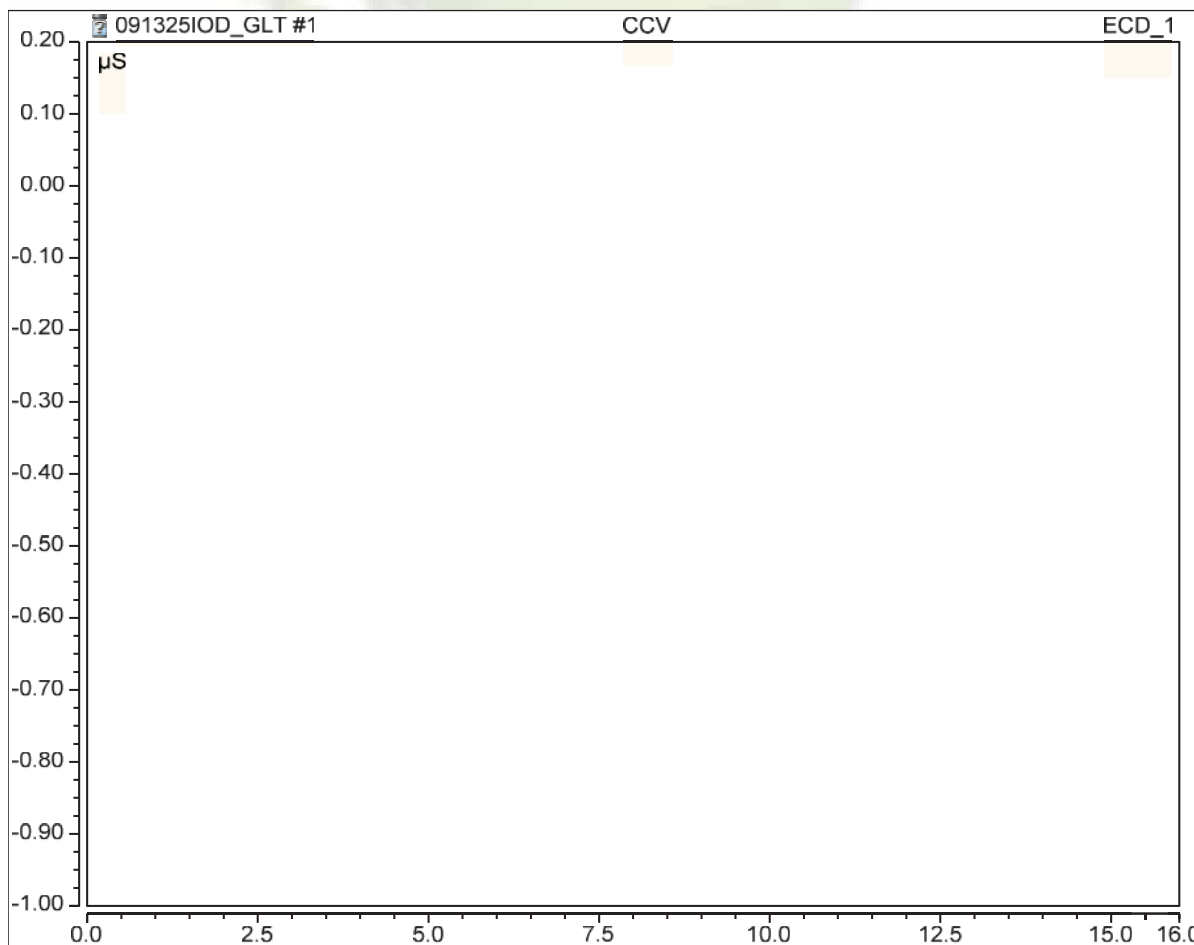
ICB			
340111			
Sample Name:	ICB	Injection Volume (uL):	25.00
Vial Number:	B1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 11:43	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount n.a.	Area μS*min	Height μS	Type
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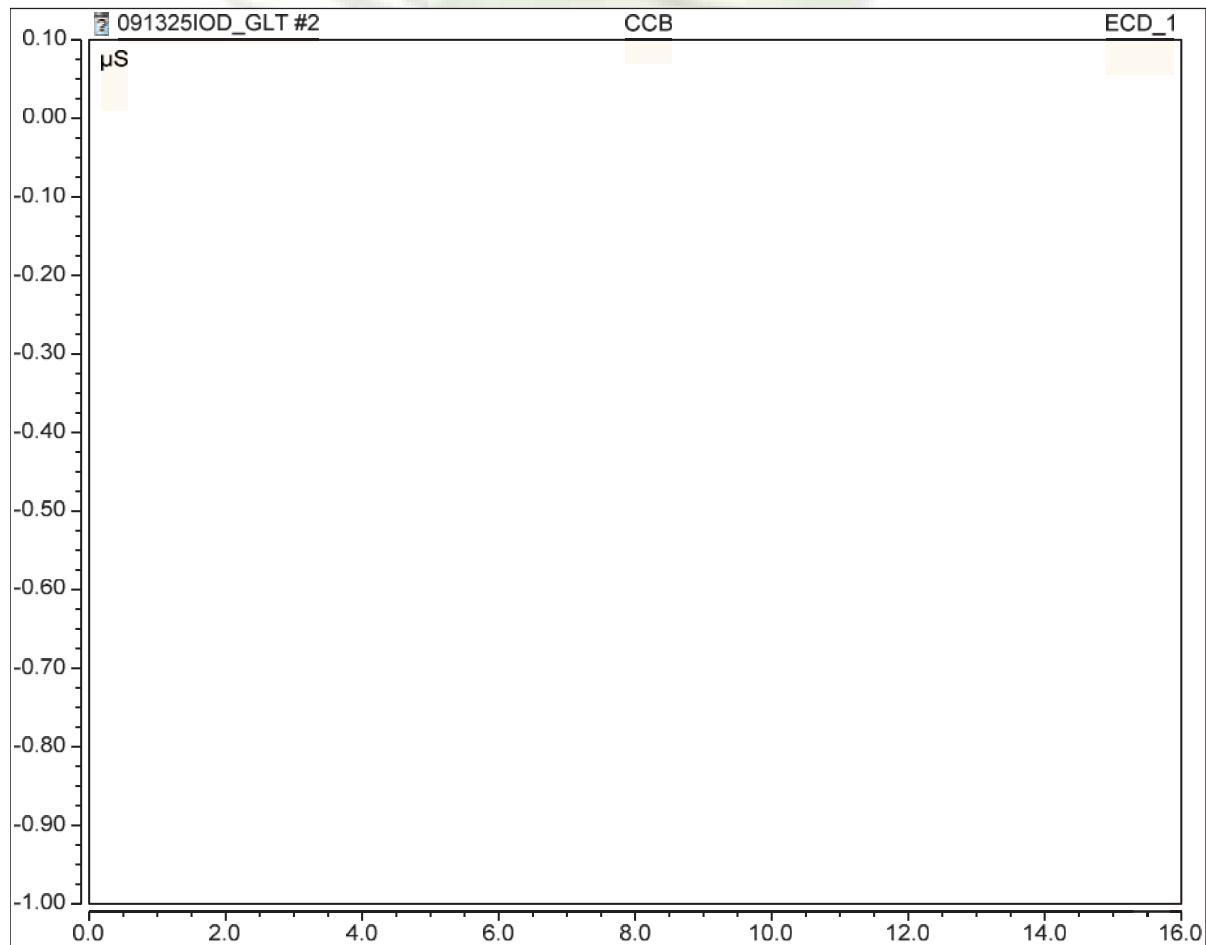
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8460502 00/6_	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.41	g dtto	0.9347	0.032	0.090	BMB



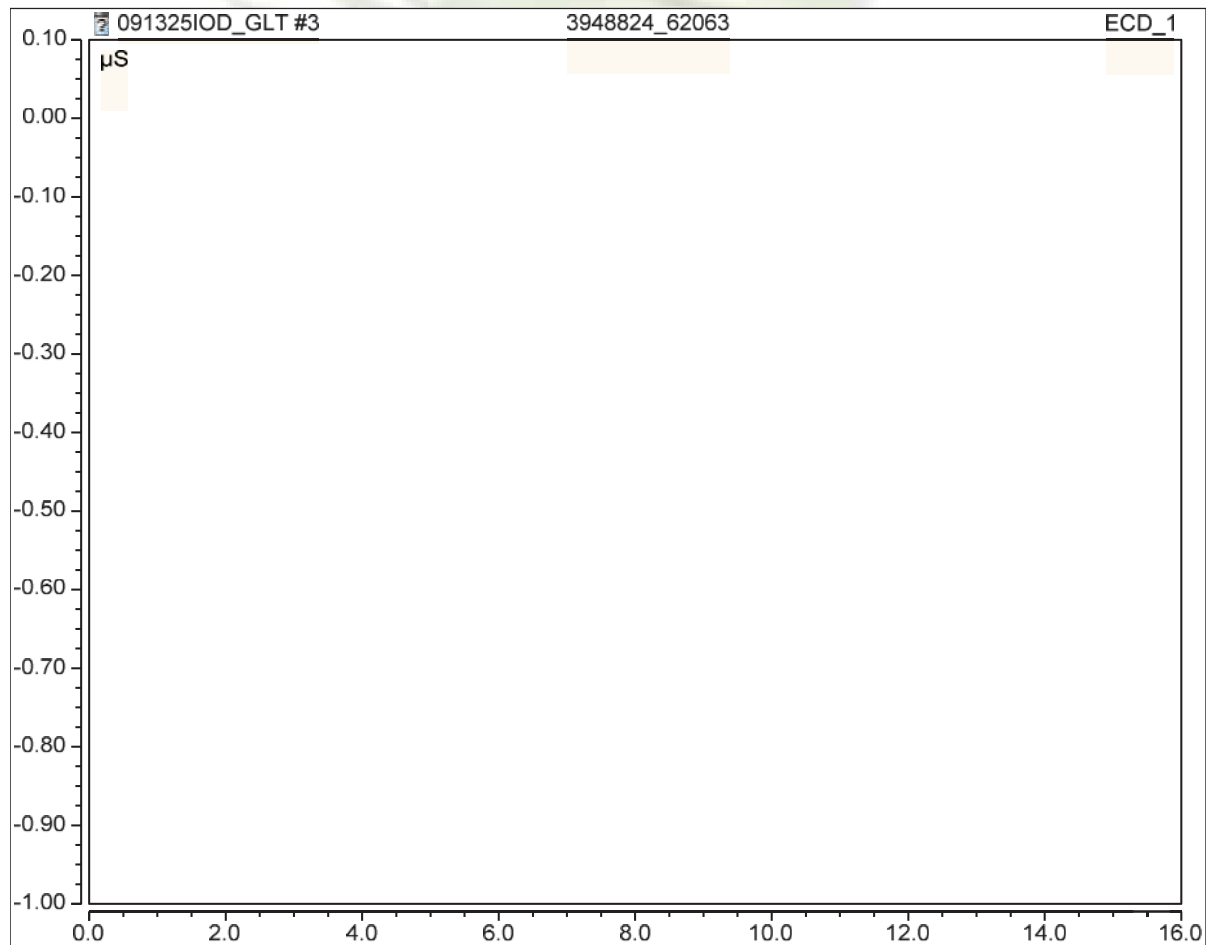
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8460502 00/21	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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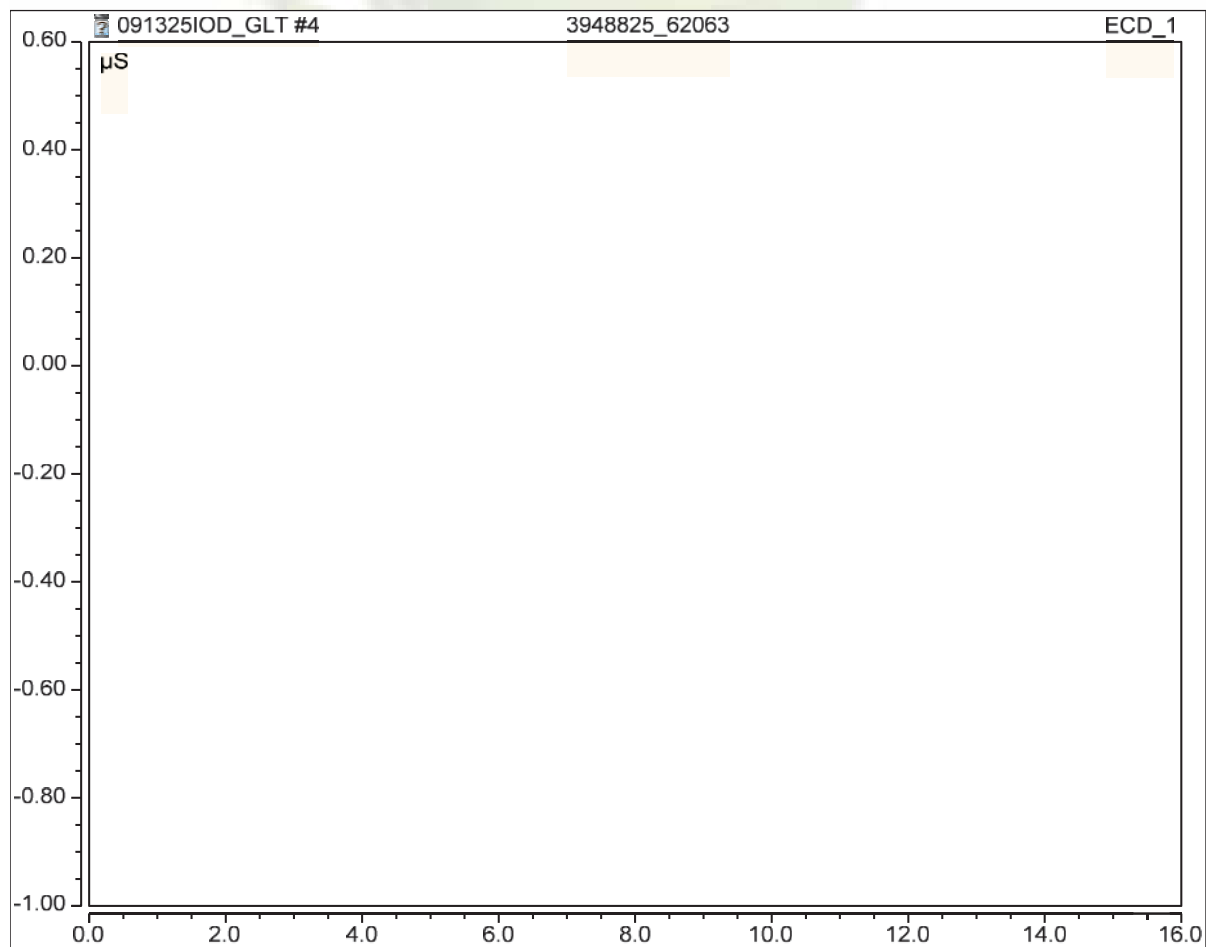
6: L__0L B05B6			
6L5444			
Sample Name:	6: L__0LB05B6	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8460502 06/41	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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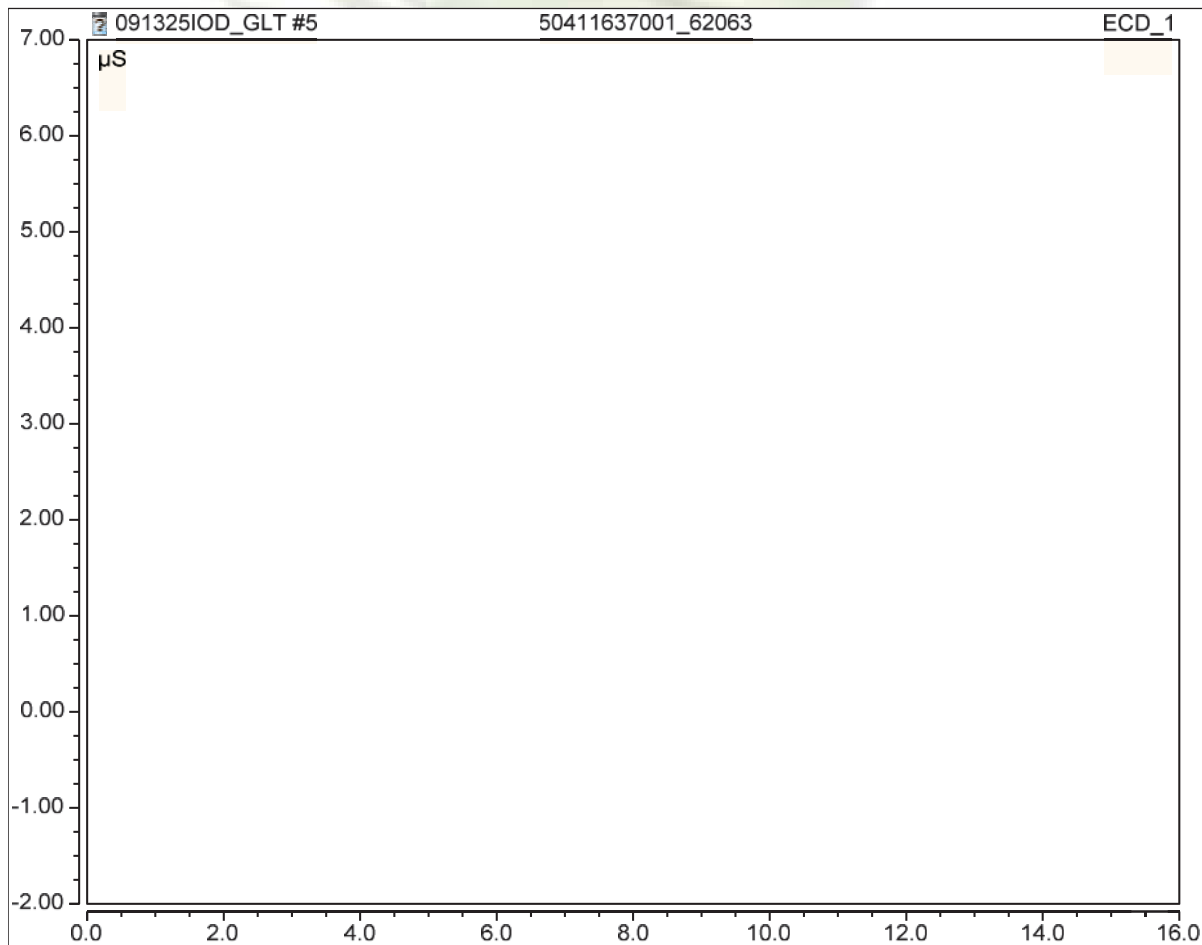
6: L__02 B05B6			
611B 5			
Sample Name:	6: L__02B05B6	Injection Volume (uL):	02755
Vial Number:	B3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8460502 06/6B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.42	g dtto	5.0242	0.167	0.479	BMB



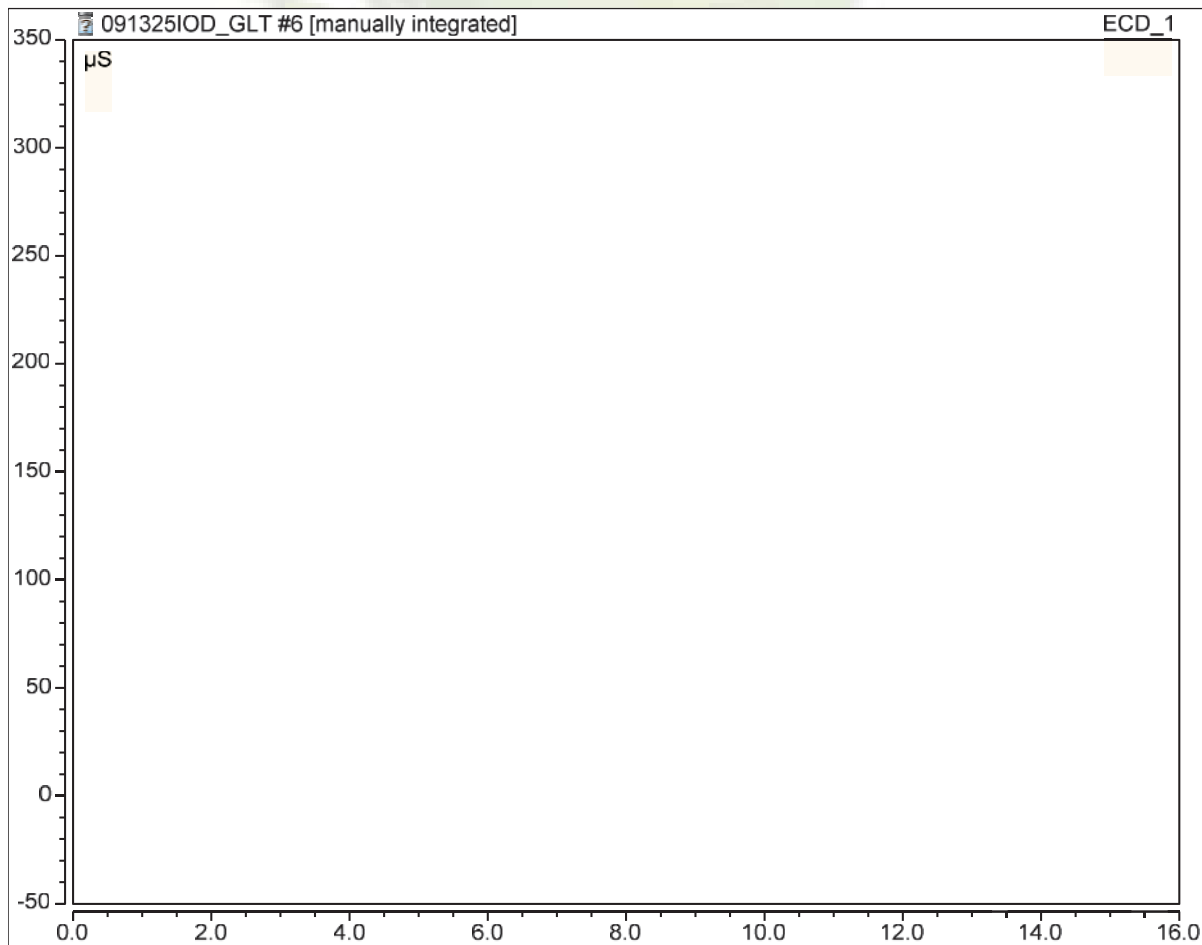
25L44B61554 B05B6			
Sample Name:	25L44B61554B05B6	Injection Volume (uL):	02755
Vial Number:	RA1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8460502 06/22	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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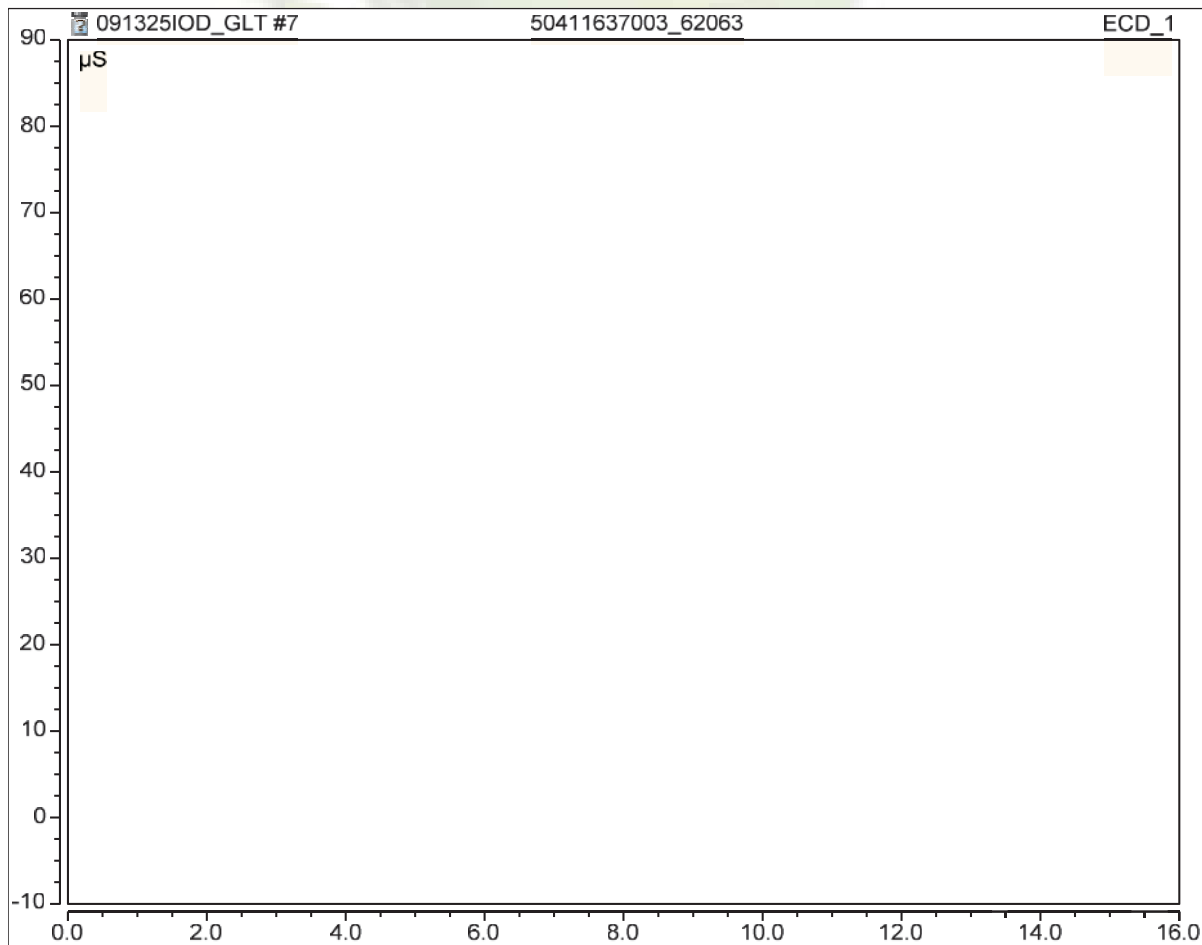
25L44B61550 B05B6			
Sample Name:	25L44B61550B05B6	Injection Volume (uL):	02755
Vial Number:	RA2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8L80502 55/4L	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.43	g dtto	1.1044	0.037	0.108	BMB*



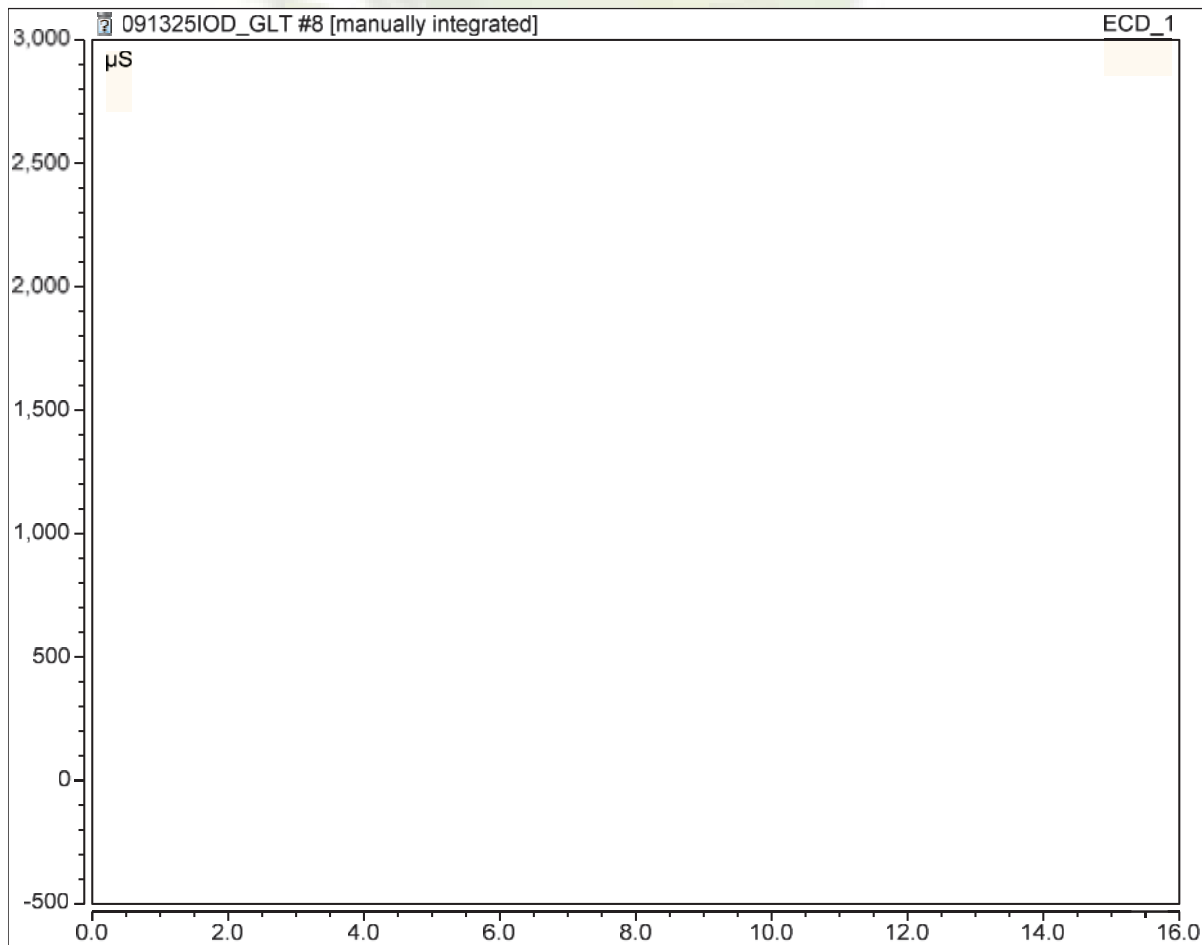
25L44B61556 B05B6			
Sample Name:	25L44B61556B05B6	Injection Volume (uL):	02755
Vial Number:	RA3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 55/66	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.44	g dtto	0.5221	0.018	0.052	BMB



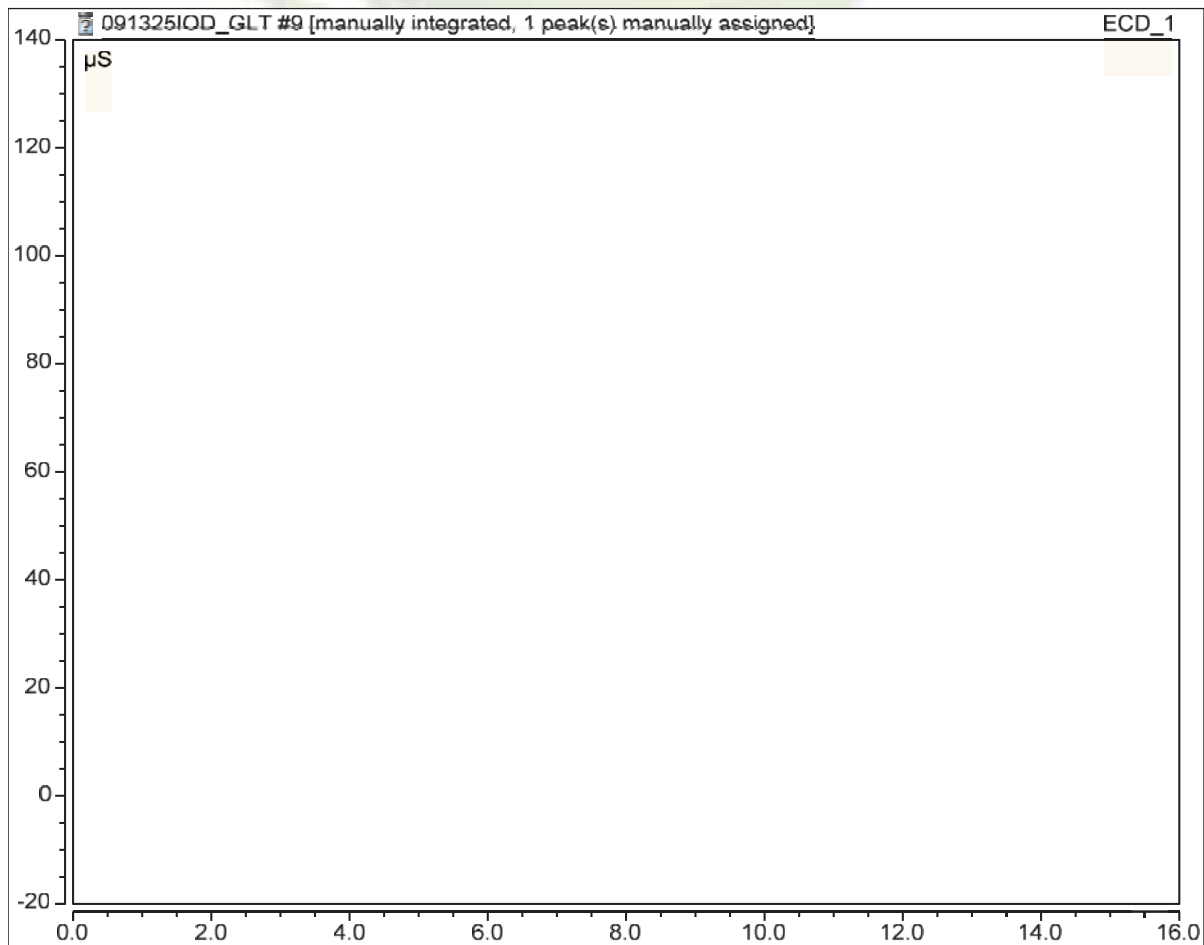
25L441: 4554 B05B6			
Sample Name:	25L441: 4554B05B6	Injection Volume (uL):	02755
Vial Number:	RA4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 55/26	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.34	g dtto	6.7183	0.223	0.560	BMB*



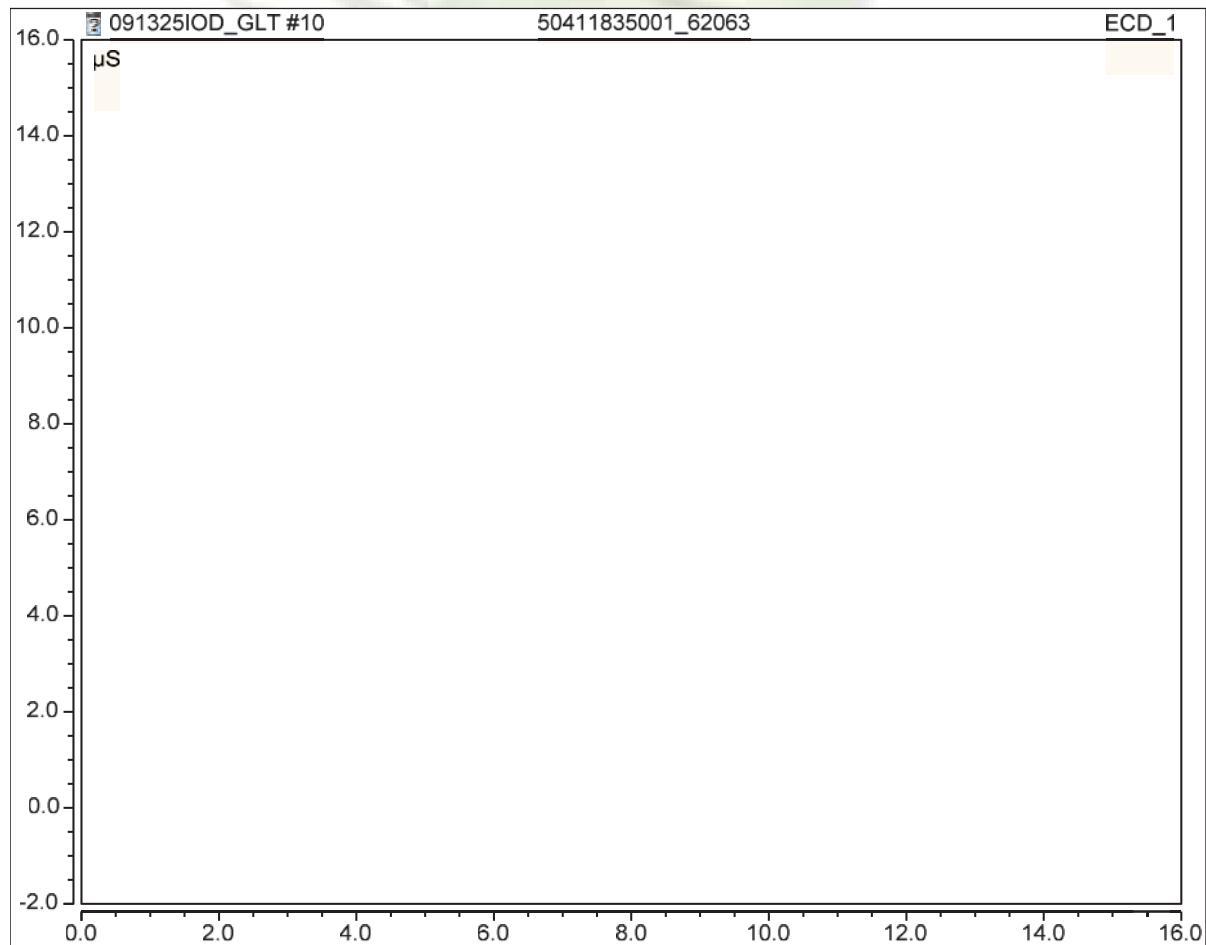
25L44_6L554 B05B6			
Sample Name:	25L44_6L554B05B6	Injection Volume (uL):	0275
Vial Number:	RA5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8L80502 54/40	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.32	g dtto	0.6448	0.022	0.042	BMB**



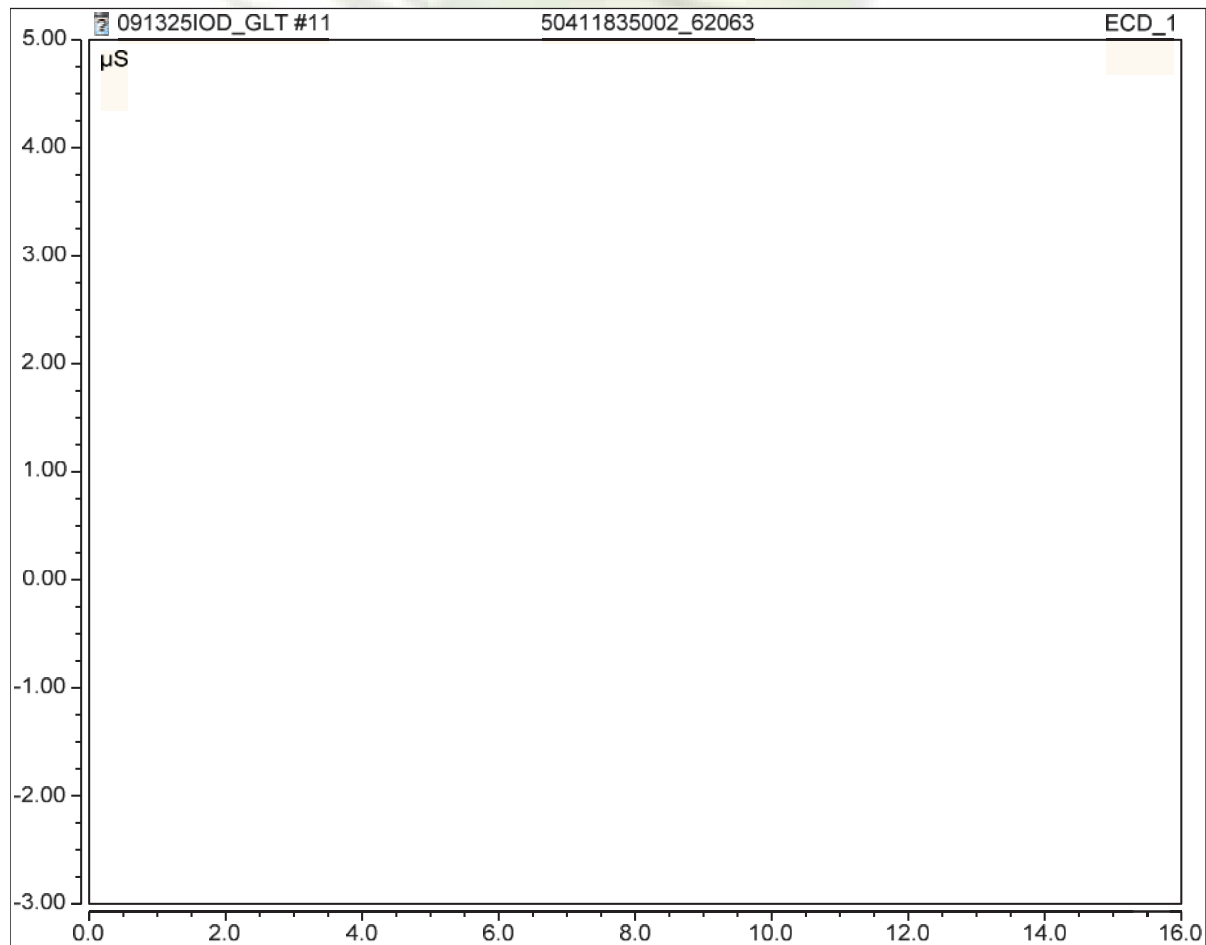
25L44_62554 B05B6			
Sample Name:	25L44_62554B05B6	Injection Volume (uL):	02755
Vial Number:	RA6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 54/64	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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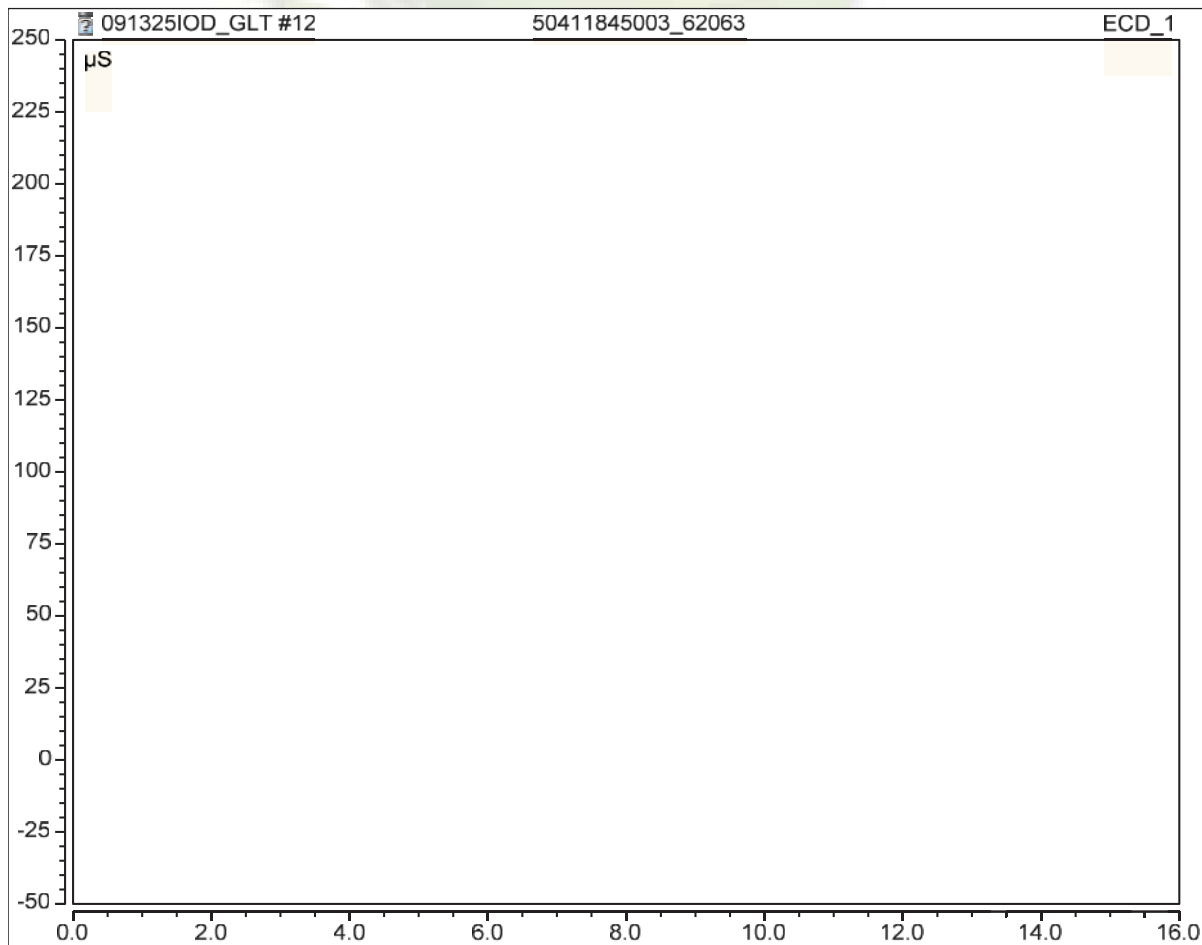
25L44_62550 B05B6			
Sample Name:	25L44_62550B05B6	Injection Volume (uL):	0275
Vial Number:	RA7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 54/25	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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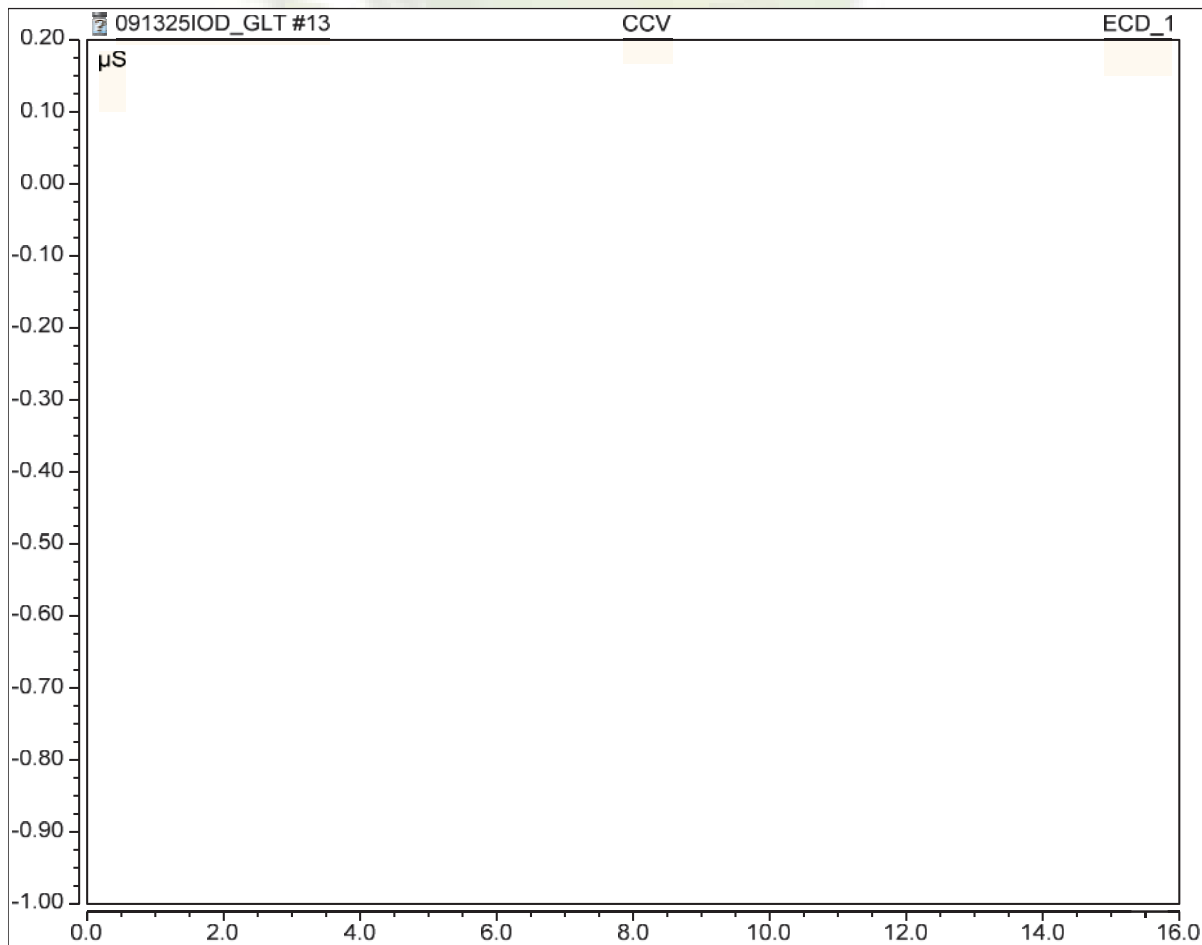
25L44_L2556 B05B6			
Sample Name:	25L44_L2556B05B6	Injection Volume (uL):	02755
Vial Number:	RA8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 50/5:	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.41	g dt do	0.0544	0.002	0.007	BMB



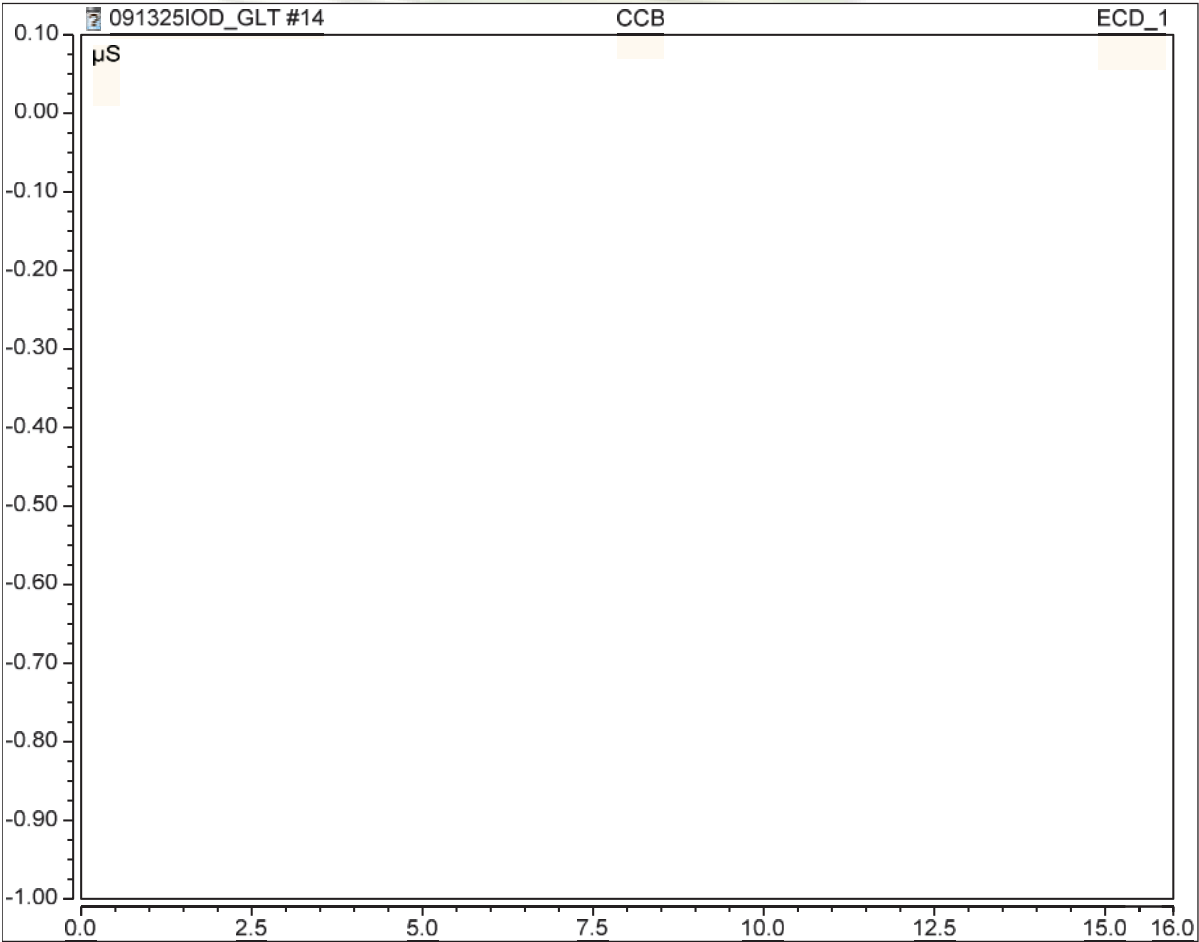
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 50/0_	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.37	g dtto	0.9378	0.032	0.092	BMB



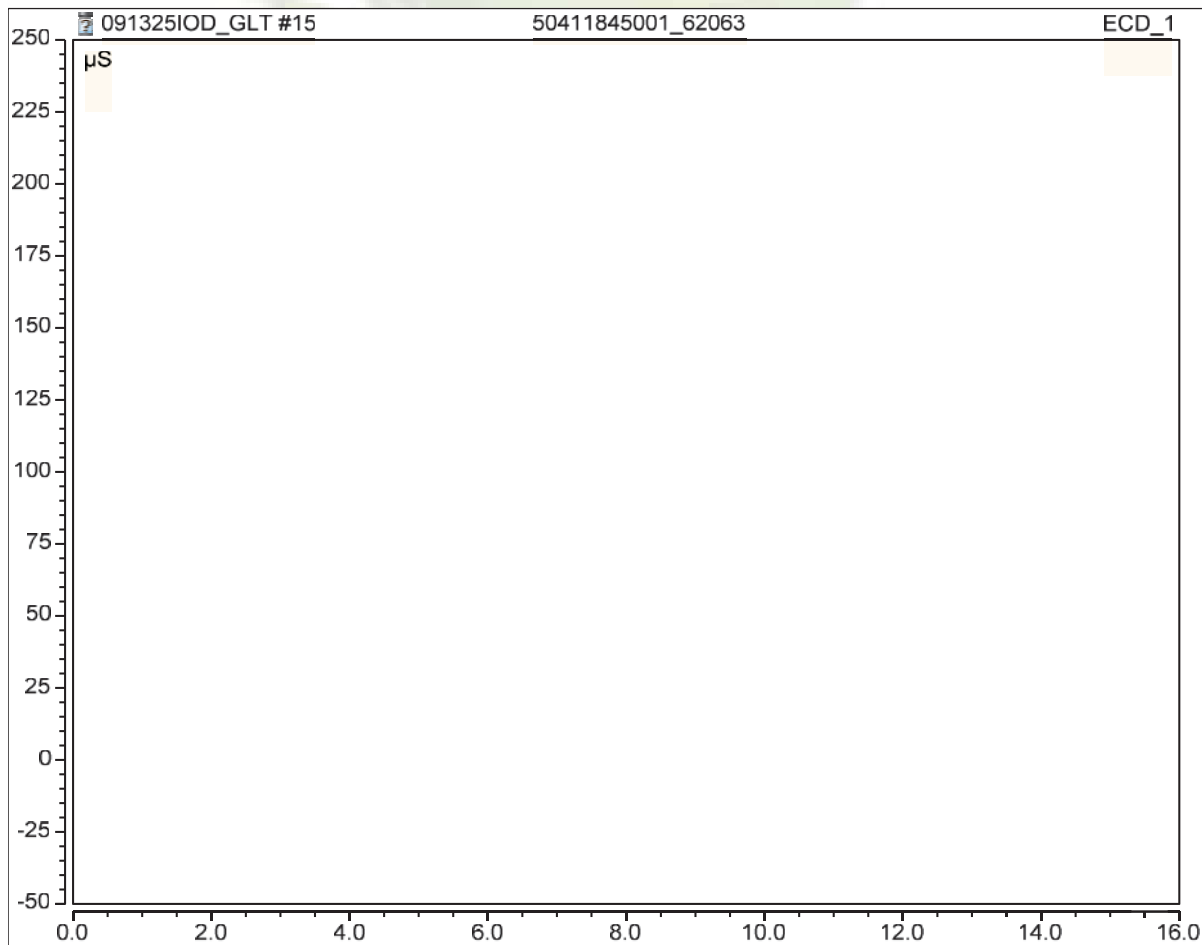
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	0275
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 50/L_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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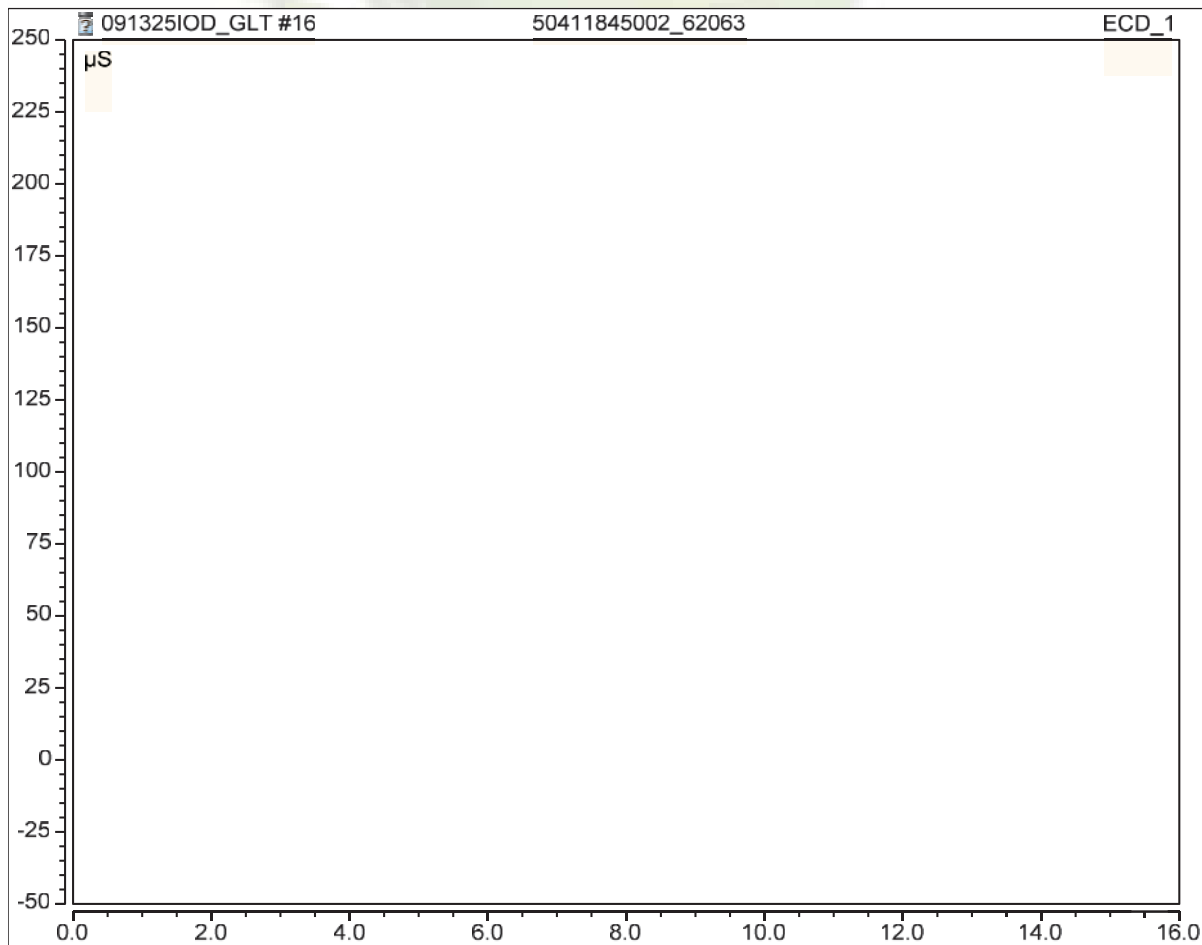
25L44_L2554 B05B6			
Sample Name:	25L44_L2554B05B6	Injection Volume (uL):	02755
Vial Number:	RB1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 56/51	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.36	g dtto	0.0364	0.002	0.006	BMB



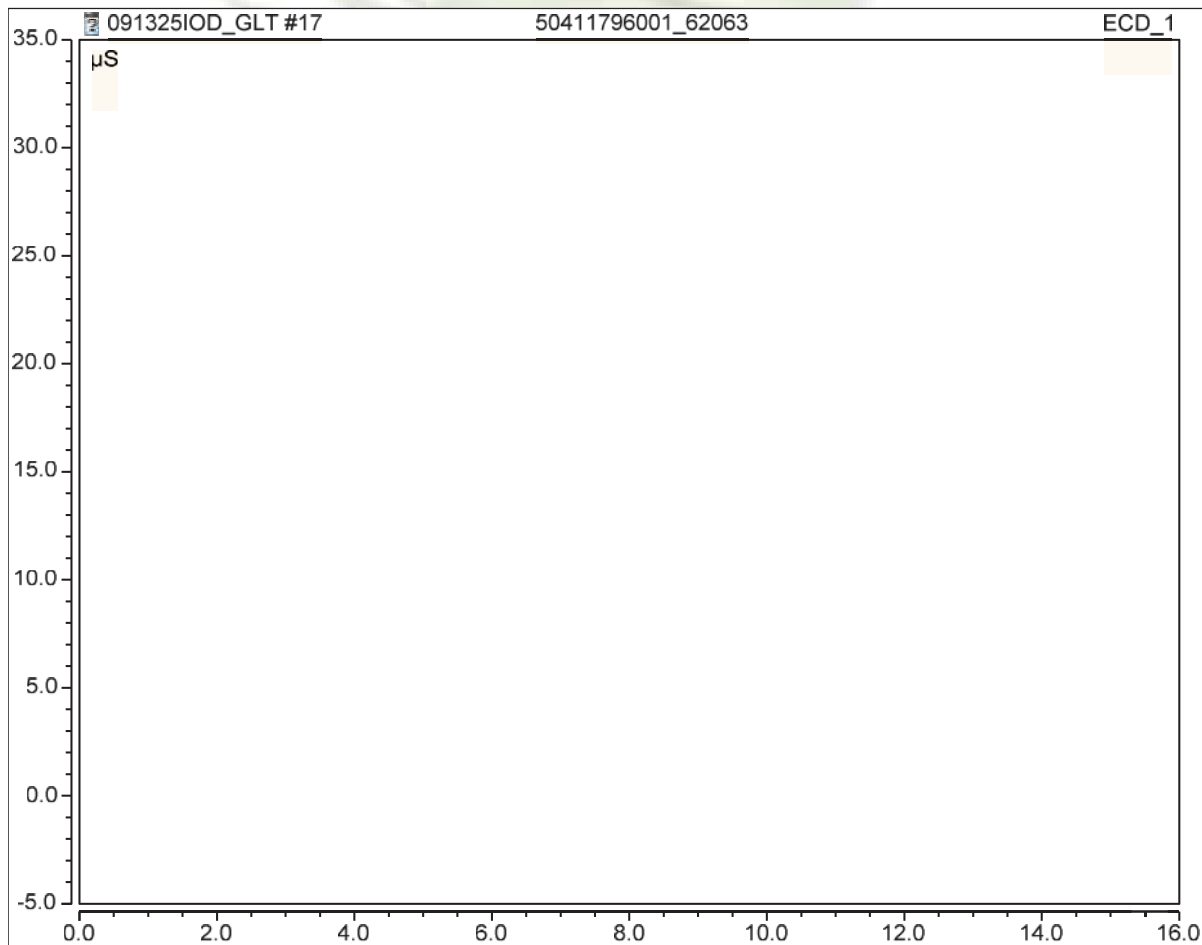
25L44_L2550 B05B6			
Sample Name:	25L44_L2550B05B6	Injection Volume (uL):	02755
Vial Number:	RB2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 56/0B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.40	g dtto	0.0591	0.003	0.007	BMB



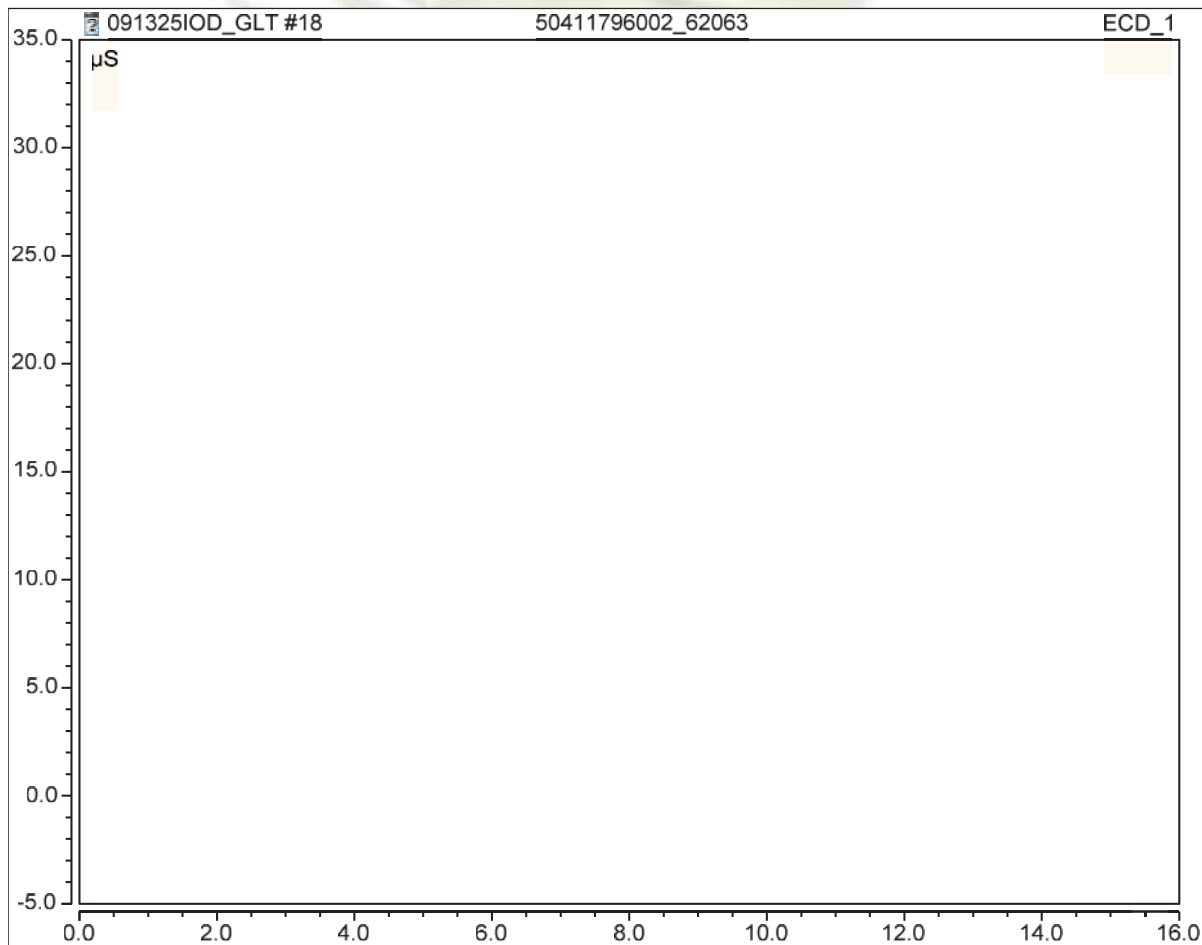
25L441: B554 B05B6			
Sample Name:	25L441: B554B05B6	Injection Volume (uL):	0275
Vial Number:	RB3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8L80502 56/L2	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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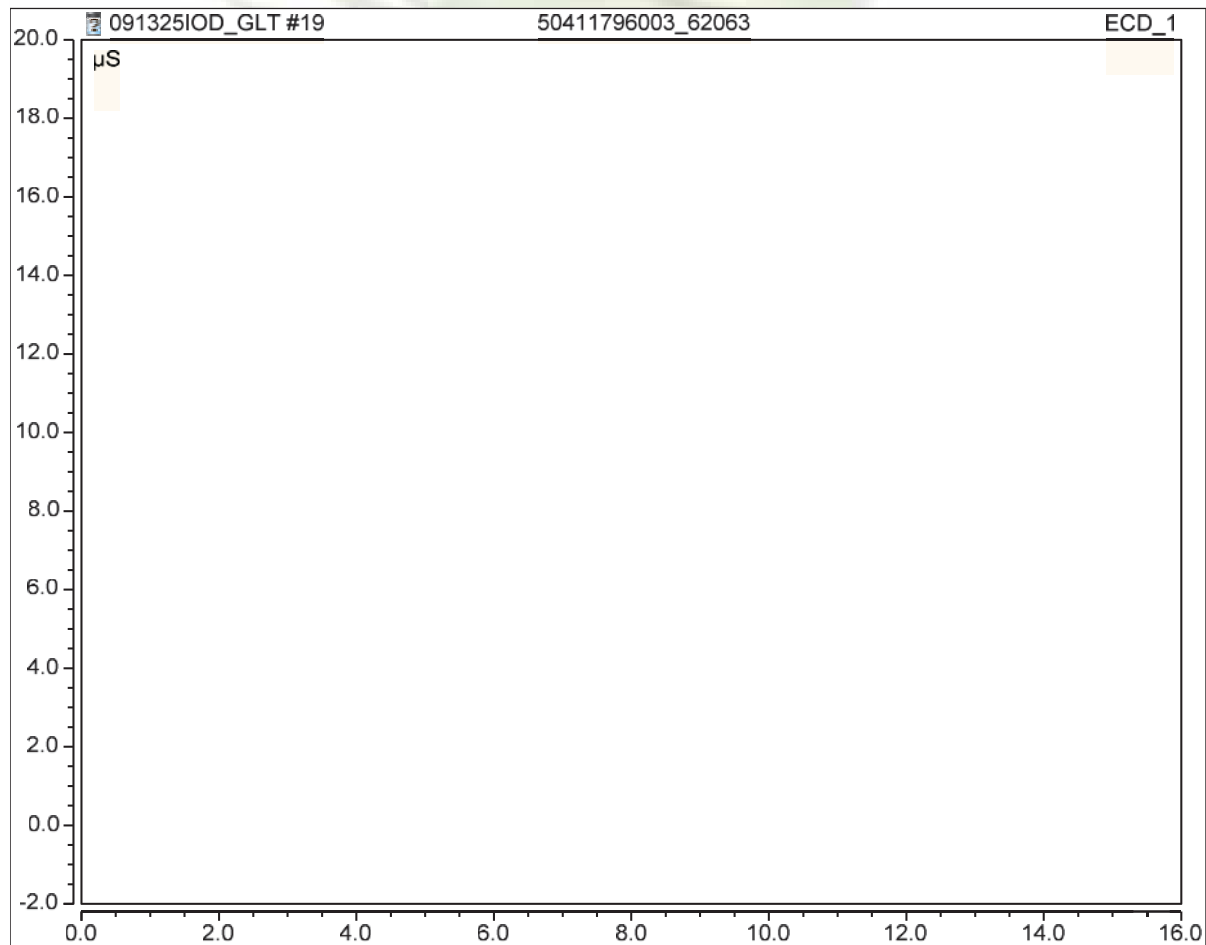
25L441: B550 B05B6			
Sample Name:	25L441: B550B05B6	Injection Volume (uL):	0275
Vial Number:	RB4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 5L/5L	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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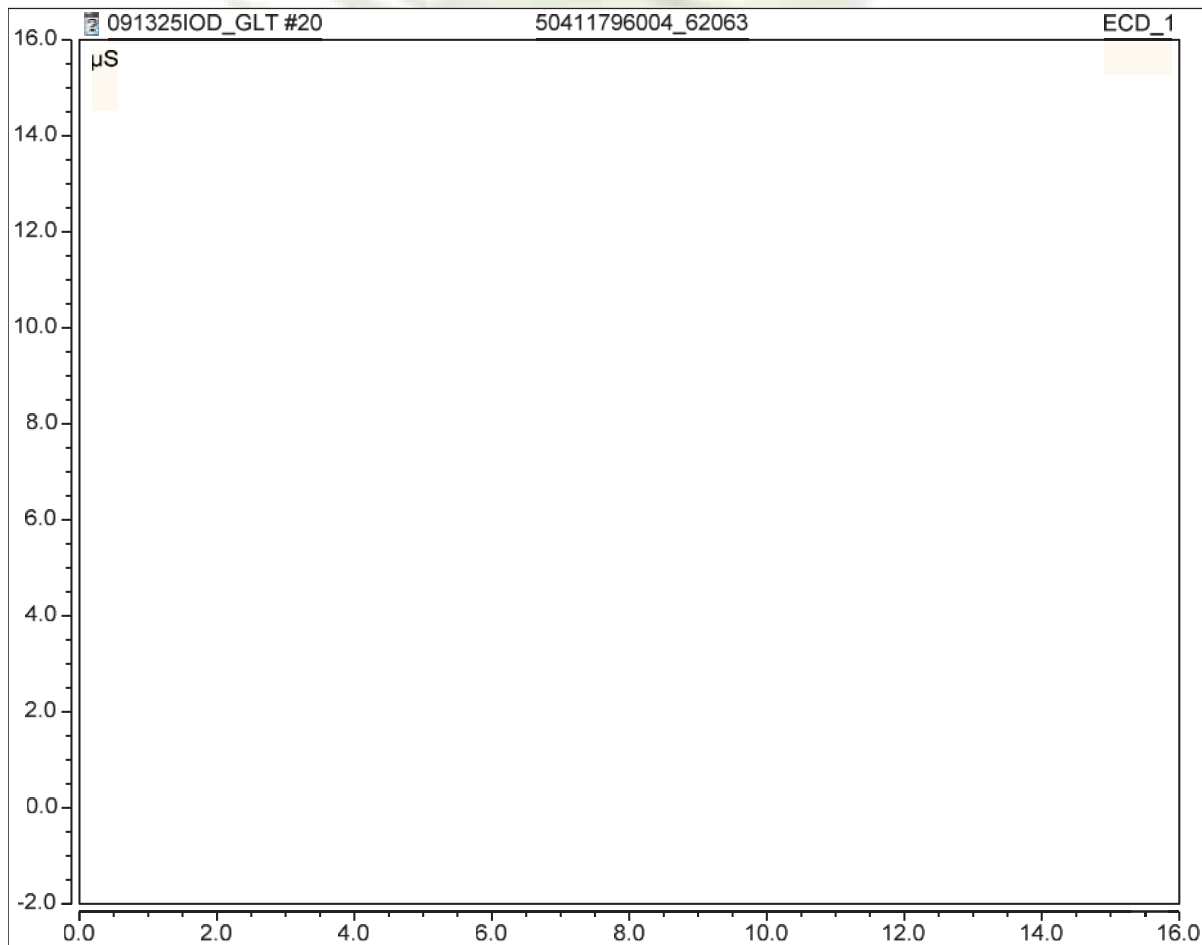
25L441: B556 B05B6			
Sample Name:	25L441: B556B05B6	Injection Volume (uL):	0275
Vial Number:	RB5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 5L/0L	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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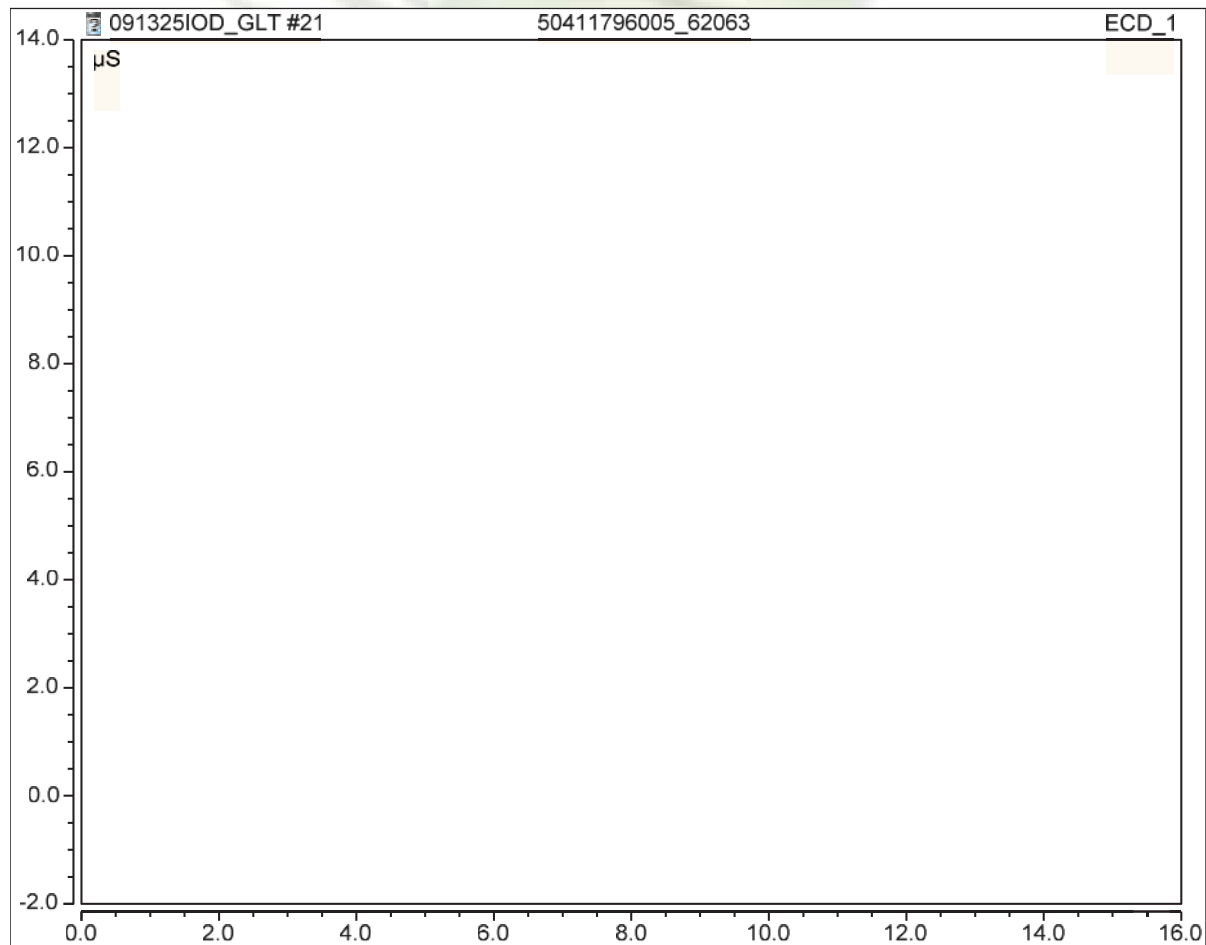
25L441: B55L B05B6			
Sample Name:	25L441: B55LB05B6	Injection Volume (uL):	02755
Vial Number:	RB6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 5L/L6	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nhyo
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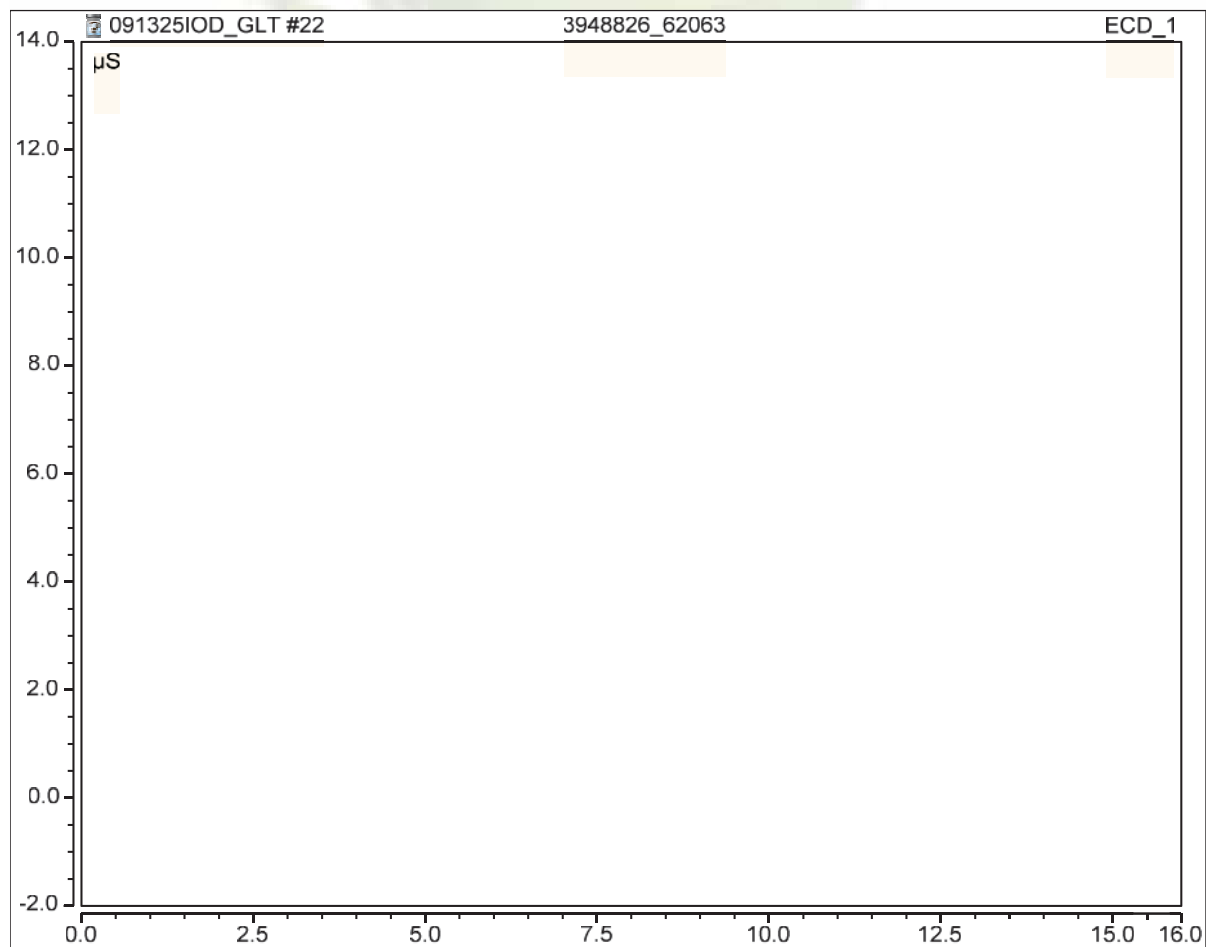
25L441: B552 B05B6			
Sample Name:	25L441: B552B05B6	Injection Volume (uL):	0275
Vial Number:	RB7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8L80502 52/50	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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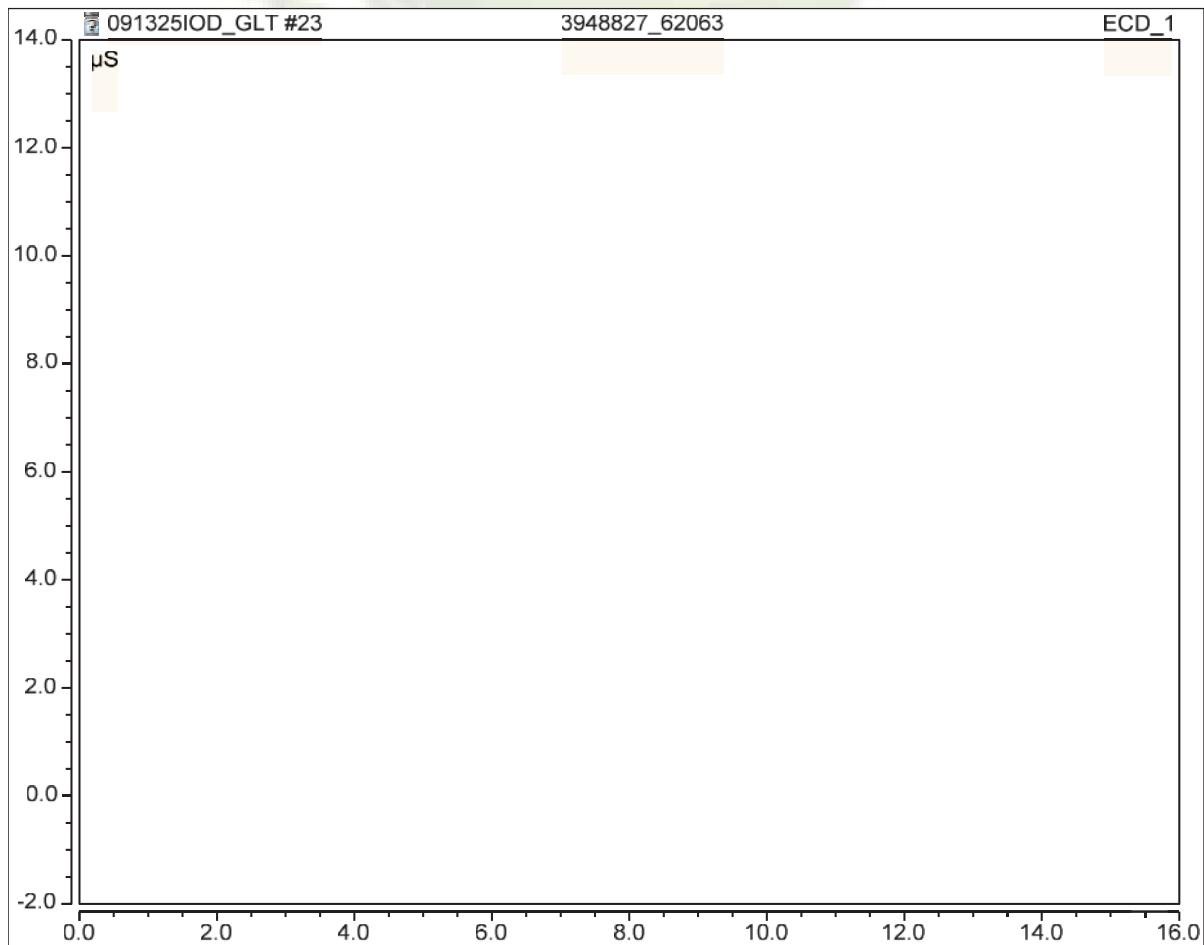
6: L__0B B05B6			
611B 5			
Sample Name:	6: L__0B B05B6	Injection Volume (uL):	0275
Vial Number:	RB8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8L80502 52/04	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.36	g dtto	5.0472	0.168	0.484	BMB



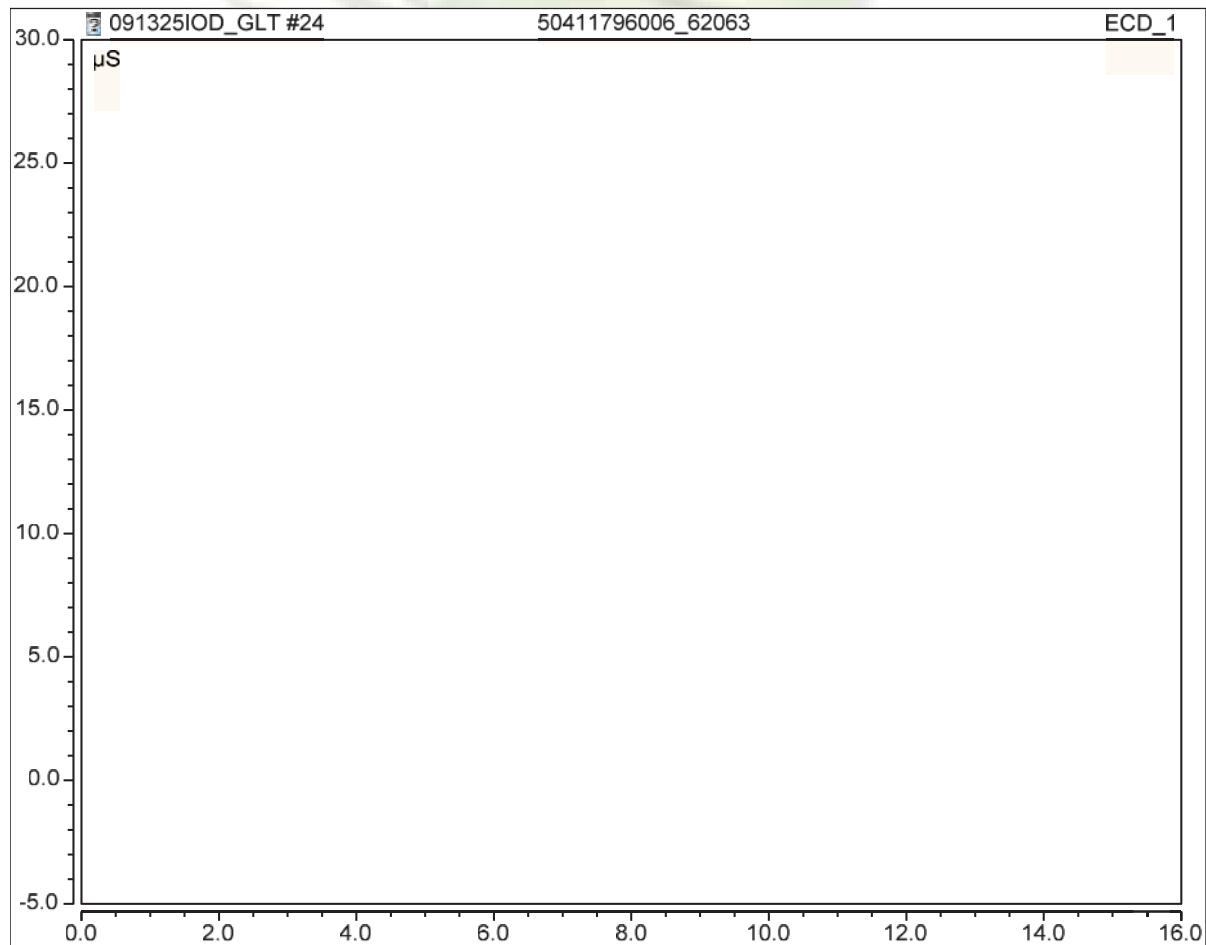
6: L__01 B05B6			
611B 5			
Sample Name:	6: L__01B05B6	Injection Volume (uL):	02755
Vial Number:	RC1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 52/L5	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.37	g dtto	4.9603	0.165	0.477	BMB



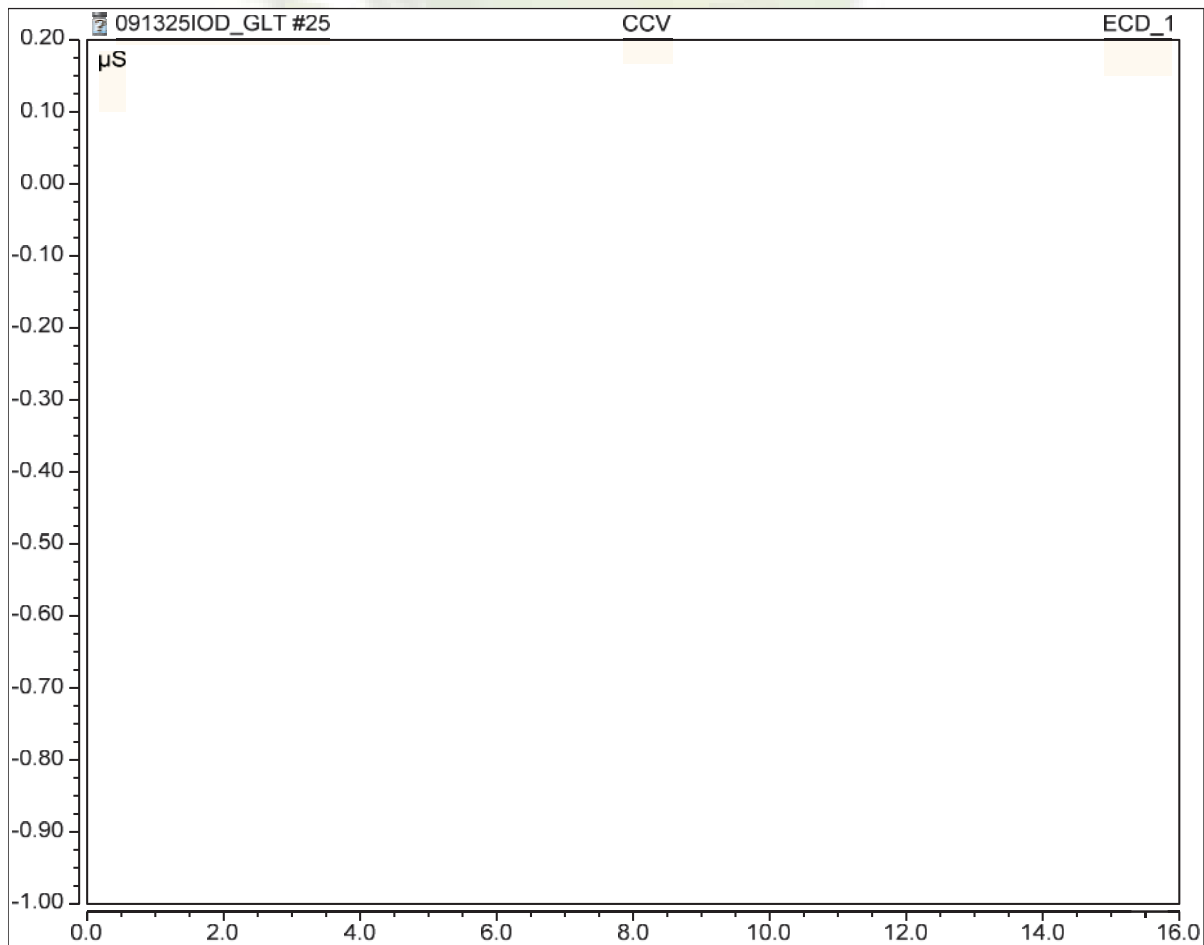
25L441: B55B B05B6			
Sample Name:	25L441: B55B B05B6	Injection Volume (uL):	02755
Vial Number:	RC2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 52/2:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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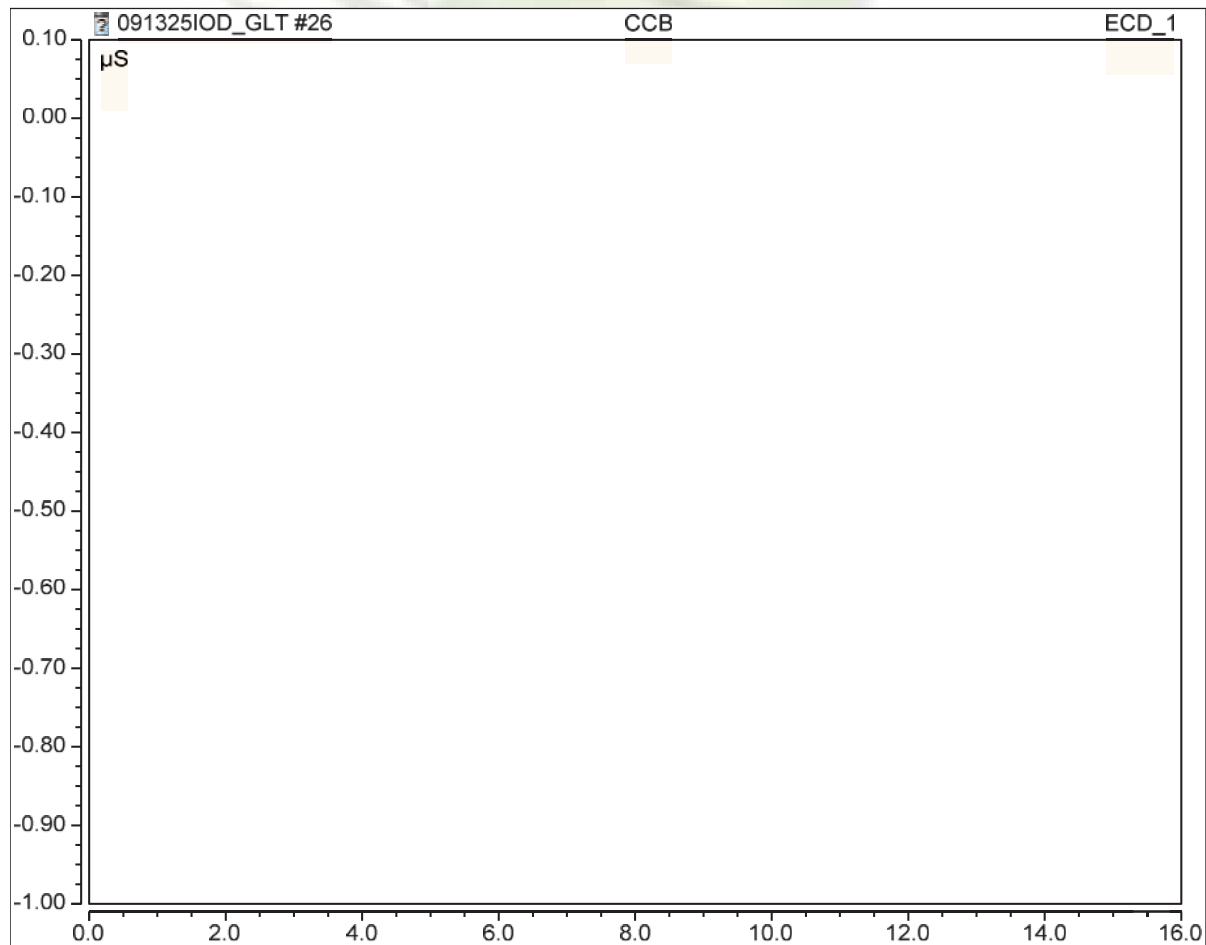
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 5B/4:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.39	g dtto	0.9077	0.031	0.089	BMB



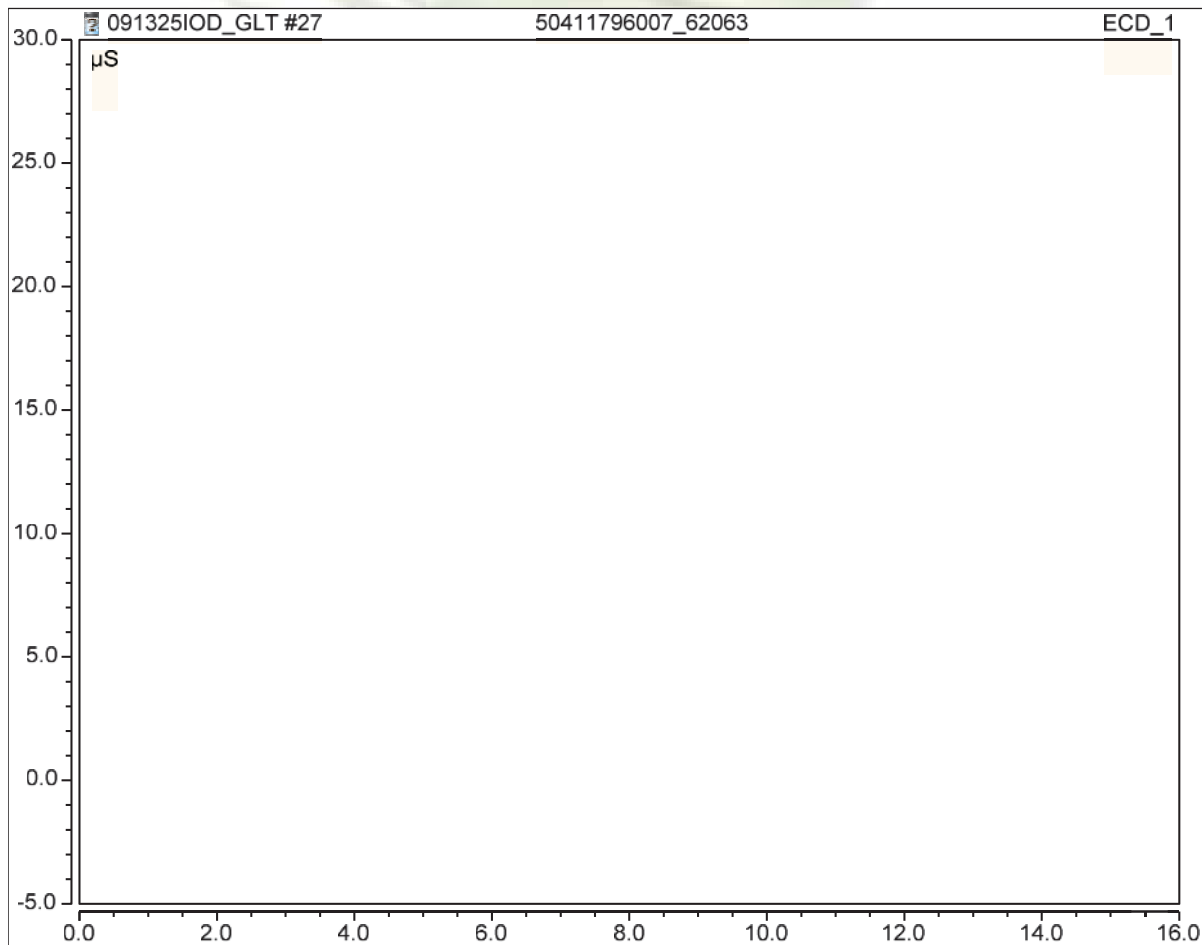
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 5E/6_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nhyo
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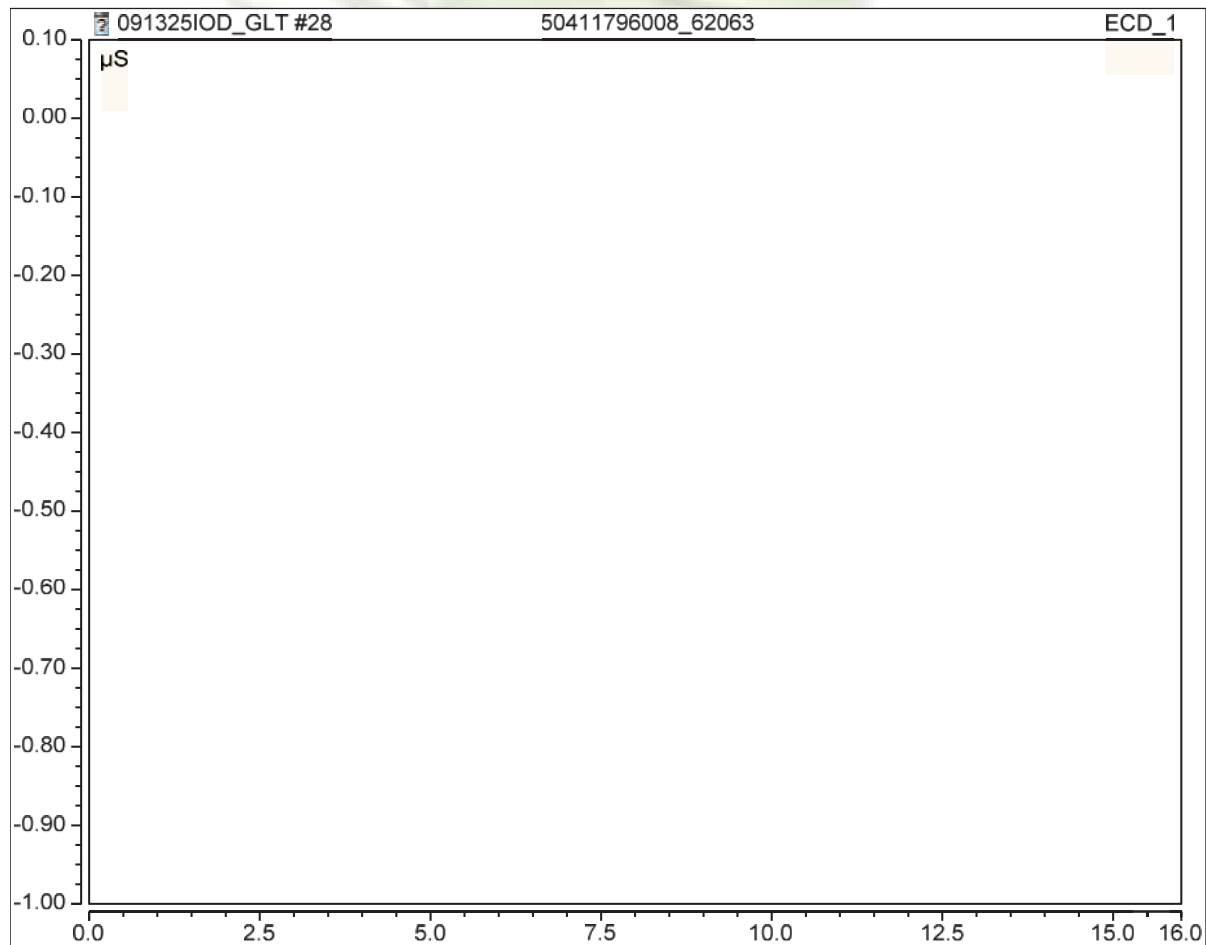
25L441: B551 B05B6			
Sample Name:	25L441: B551B05B6	Injection Volume (uL):	02755
Vial Number:	RC3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8480502 5B/2B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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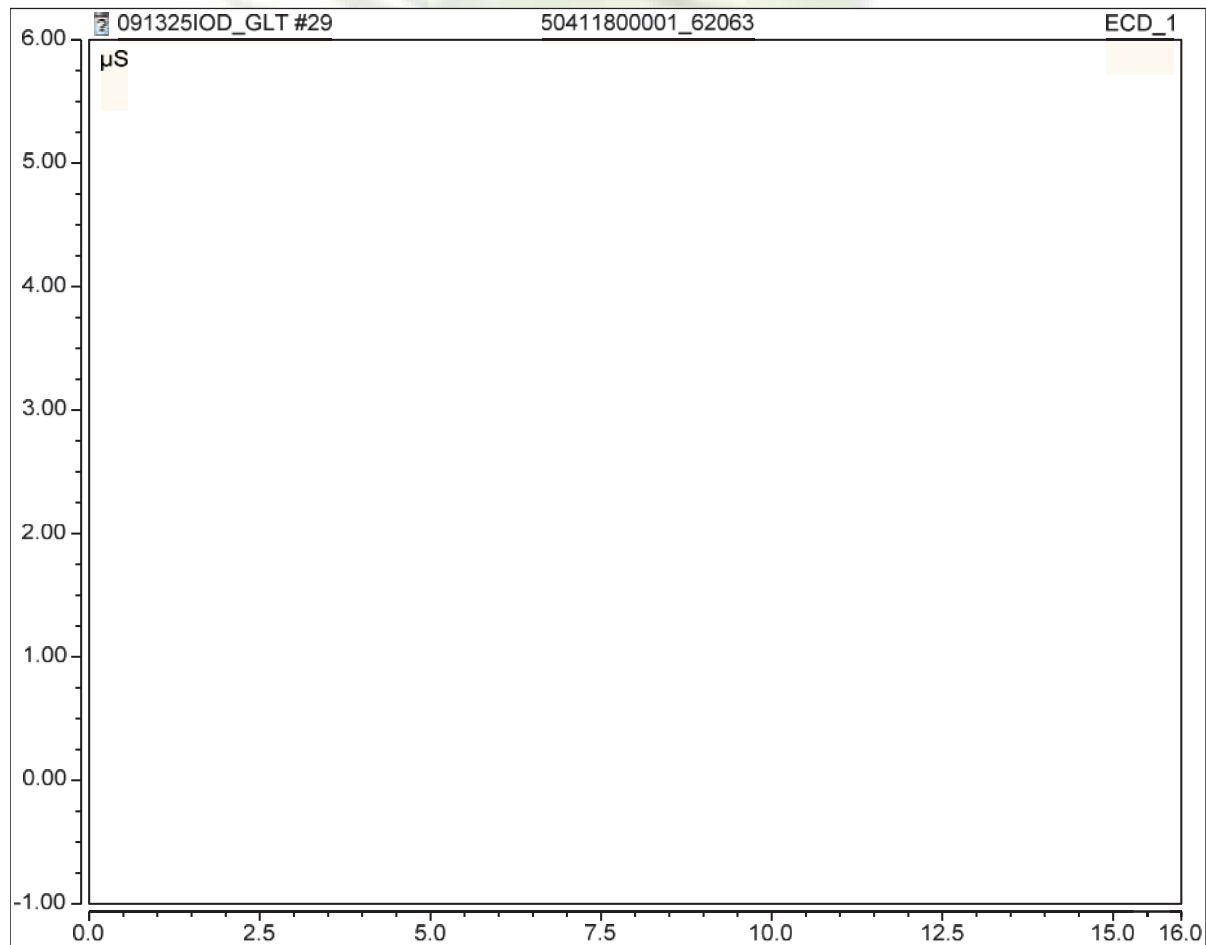
25L441: B55_ B05B6			
Sample Name:	25L441: B55_ B05B6	Injection Volume (uL):	0275
Vial Number:	RC4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 51/4L	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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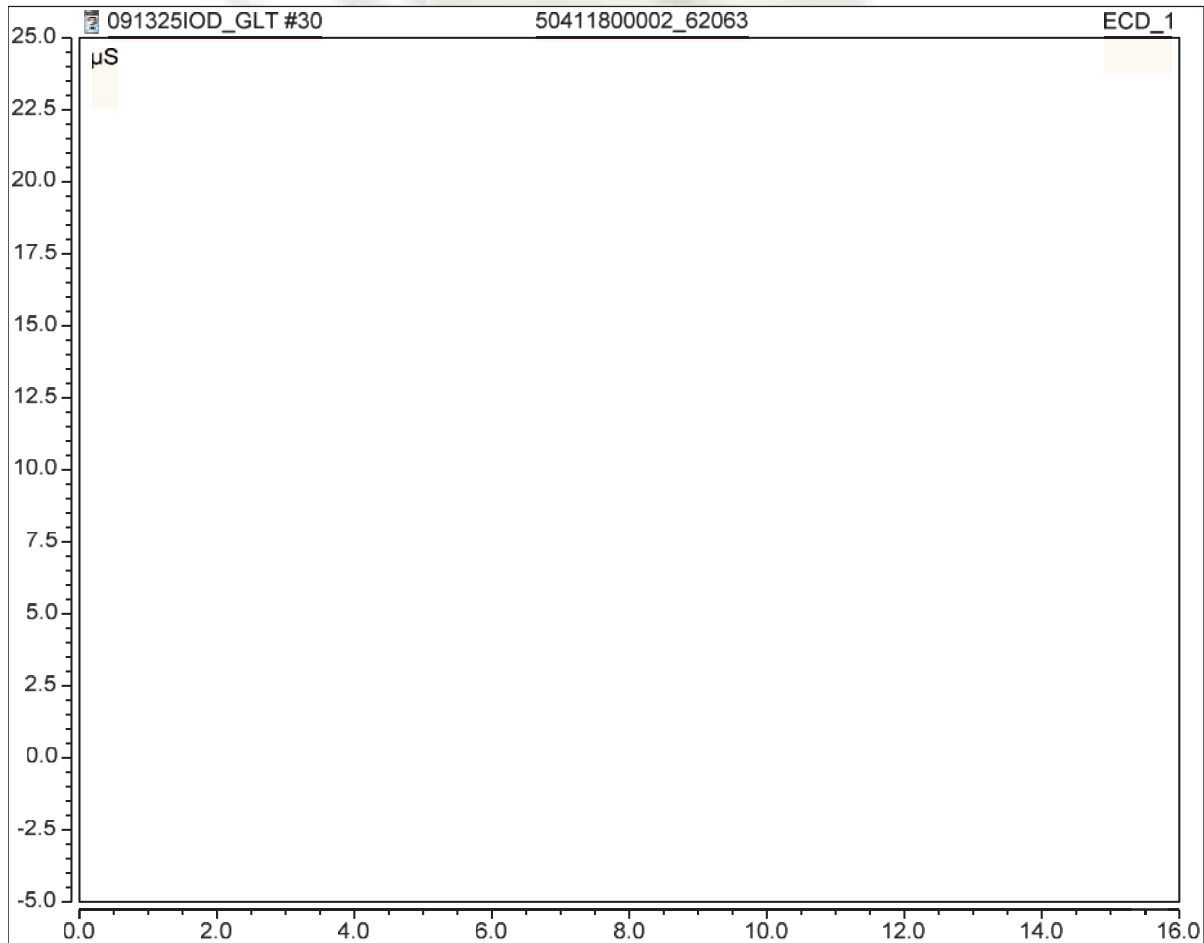
25L44_55554 B05B6			
Sample Name:	25L44_55554B05B6	Injection Volume (uL):	0275
Vial Number:	RC5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 51/66	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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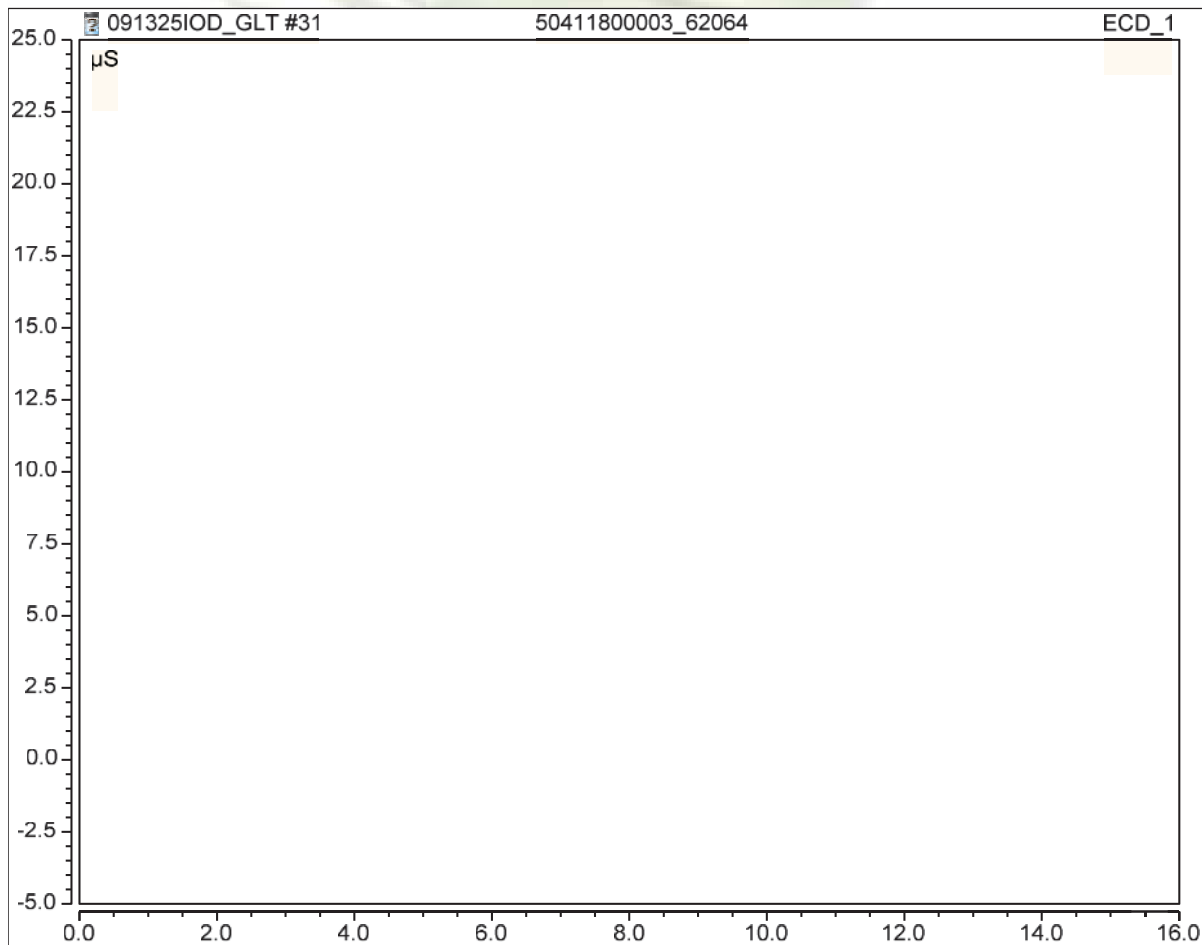
25L44_55550 B05B6			
Sample Name:	25L44_55550B05B6	Injection Volume (uL):	0275
Vial Number:	RC6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 51/24	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnhyo
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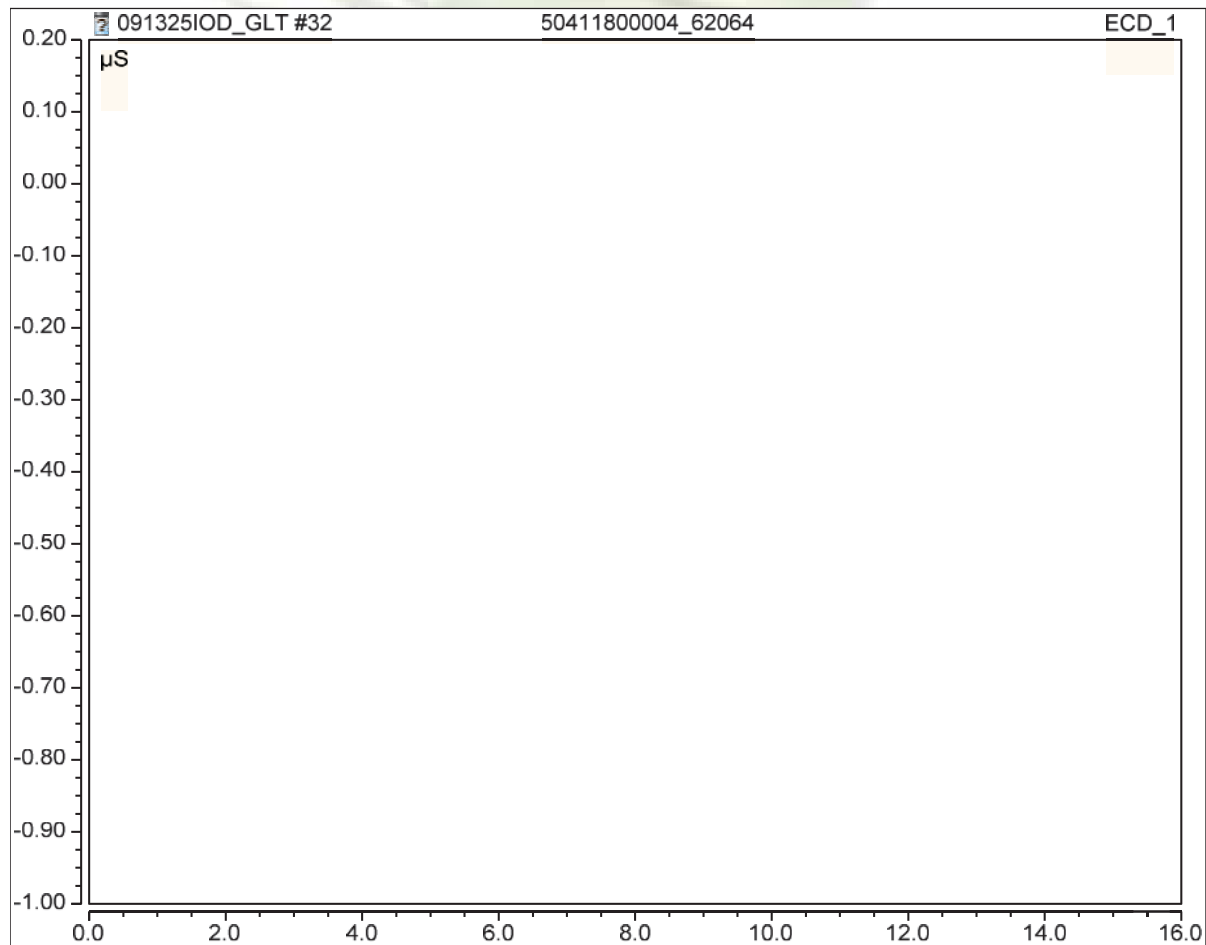
25L44_55556 B05BL			
Sample Name:	25L44_55556B05BL	Injection Volume (uL):	0275
Vial Number:	RC7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 5_/5:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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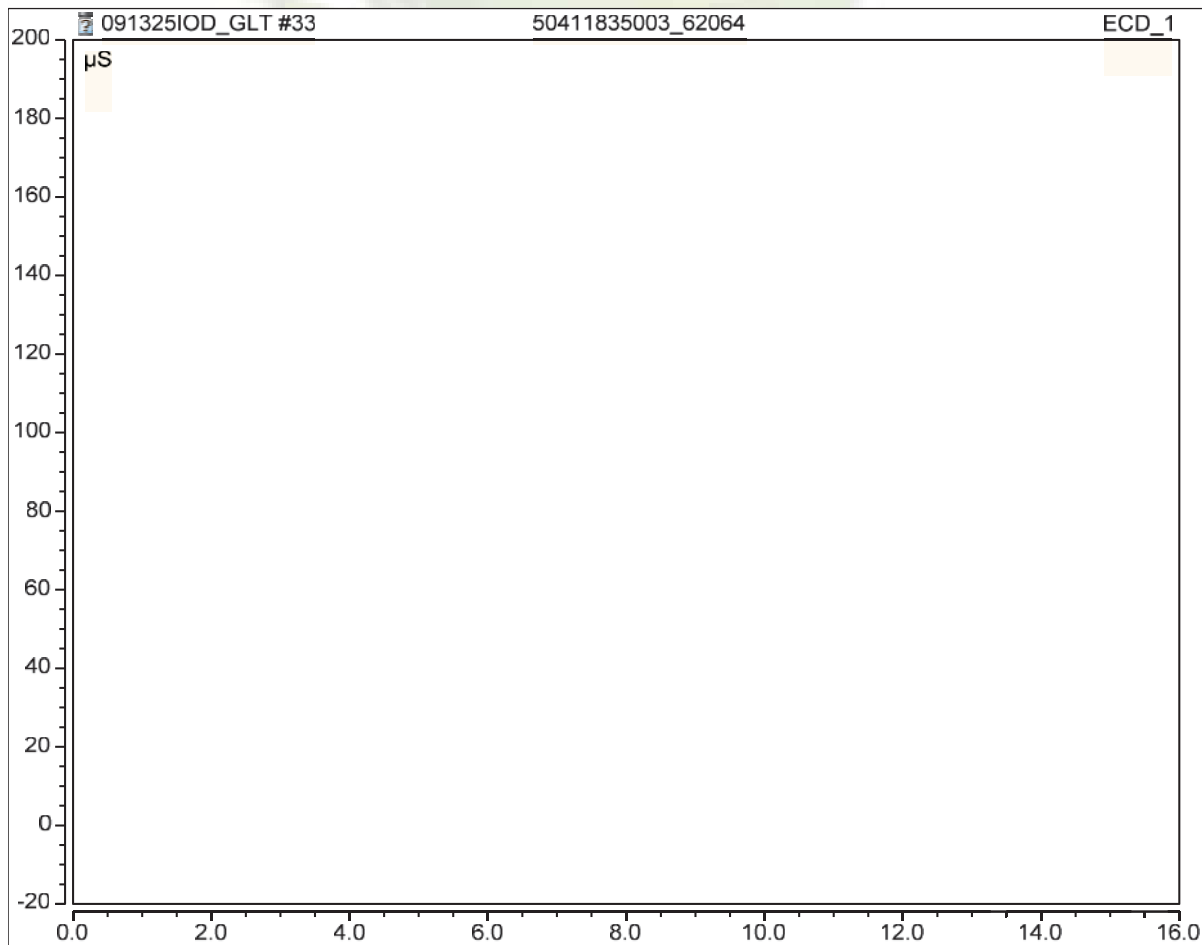
25L44_5555L B05BL			
Sample Name:	25L44_5555LB05BL	Injection Volume (uL):	0275
Vial Number:	RC8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84402 5_10_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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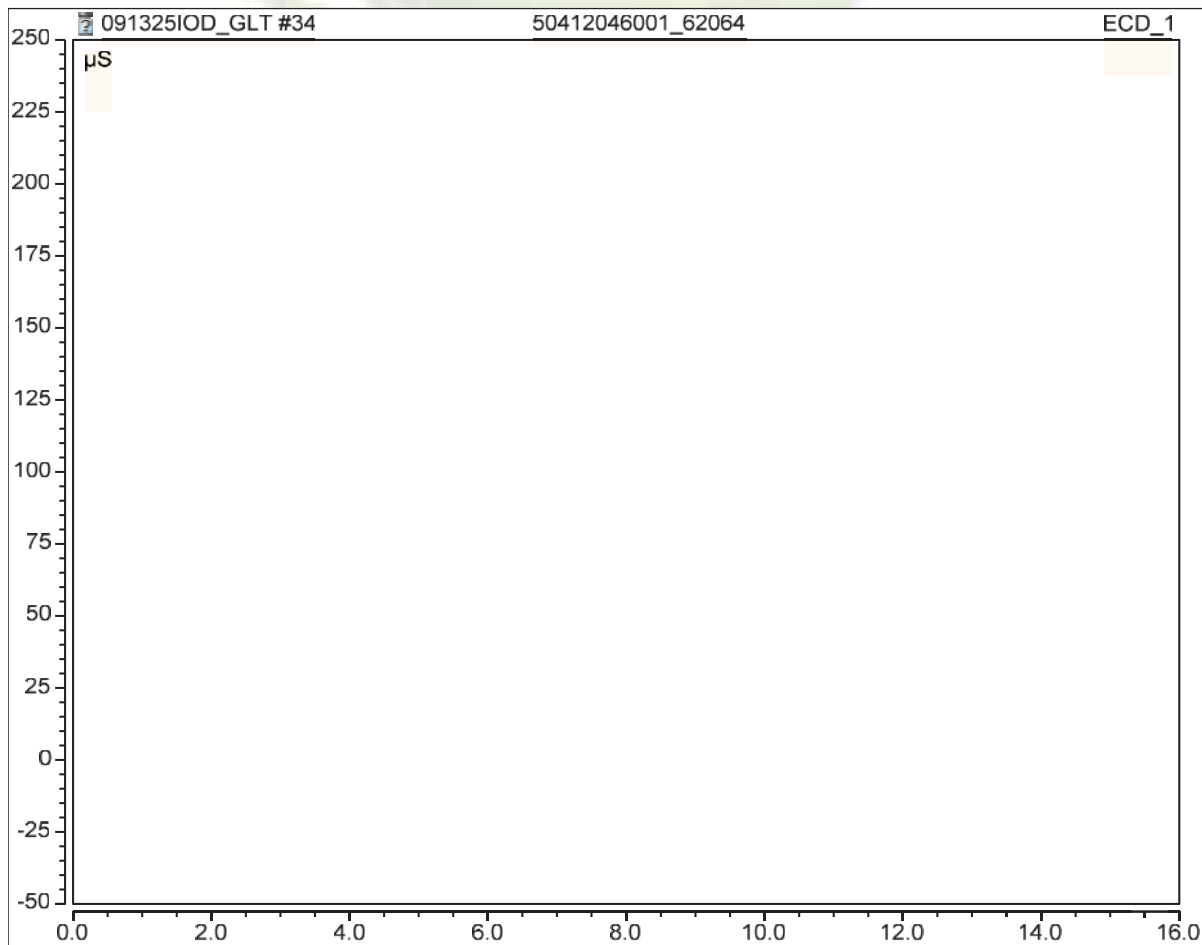
25L44_62556 B05BL			
Sample Name:	25L44_62556B05BL	Injection Volume (uL):	0275
Vial Number:	RD1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 5_/LB	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.40	g dtto	0.0446	0.002	0.007	BMB



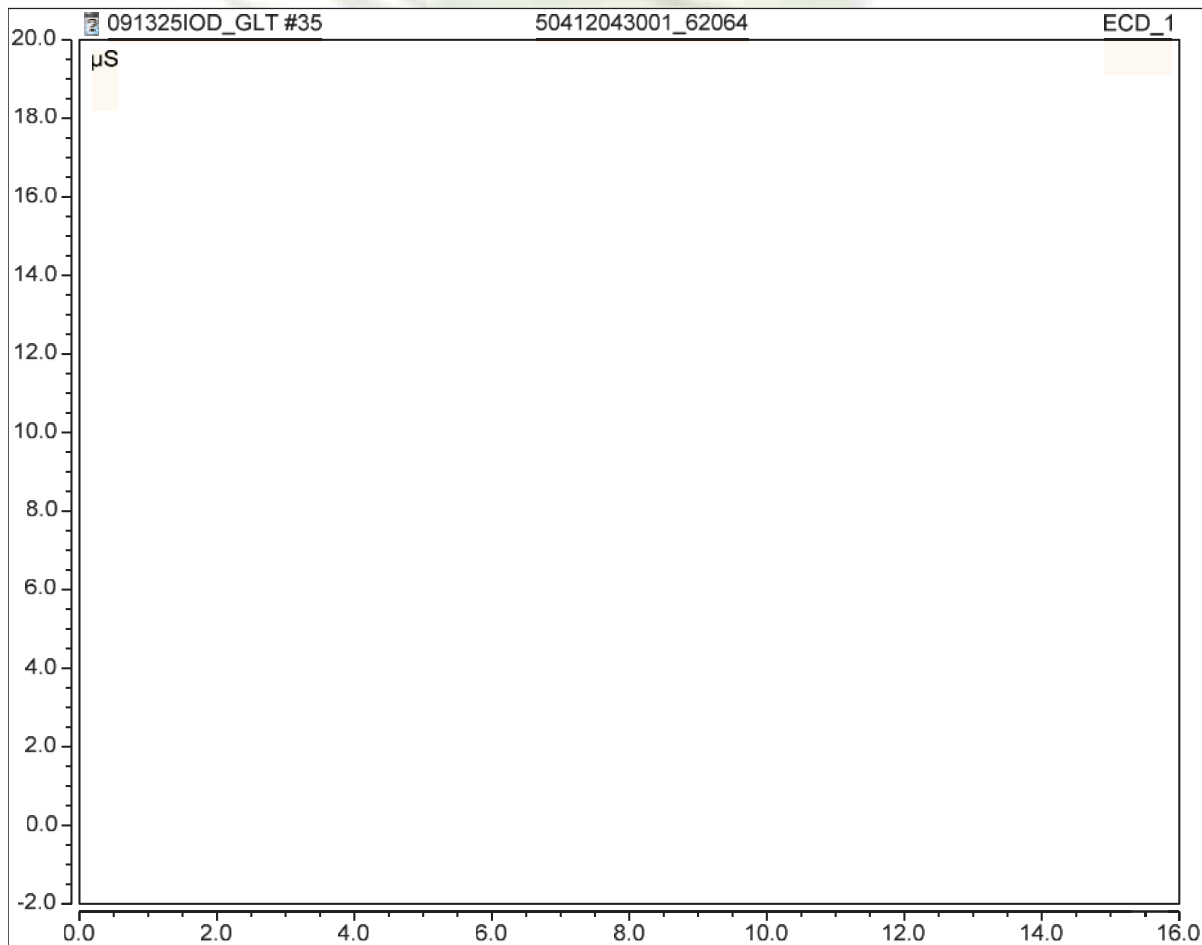
25L405LB554 B05BL			
Sample Name:	25L405LB554B05BL	Injection Volume (uL):	0275
Vial Number:	RD2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 5: /5L	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.38	g dtto	0.0356	0.002	0.005	BMB



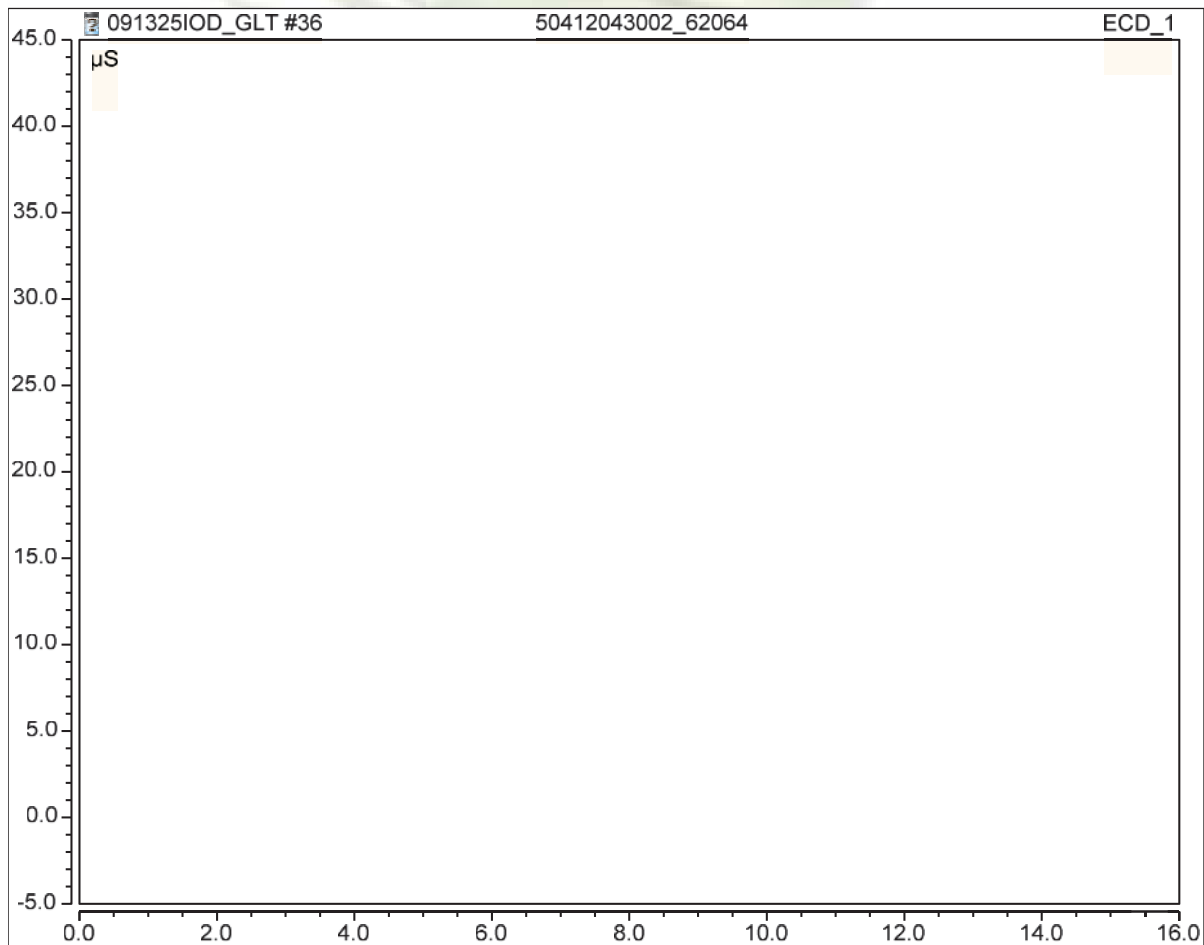
25L405L6554 B05BL			
Sample Name:	25L405L6554B05BL	Injection Volume (uL):	02755
Vial Number:	RD3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8480502 5: /06	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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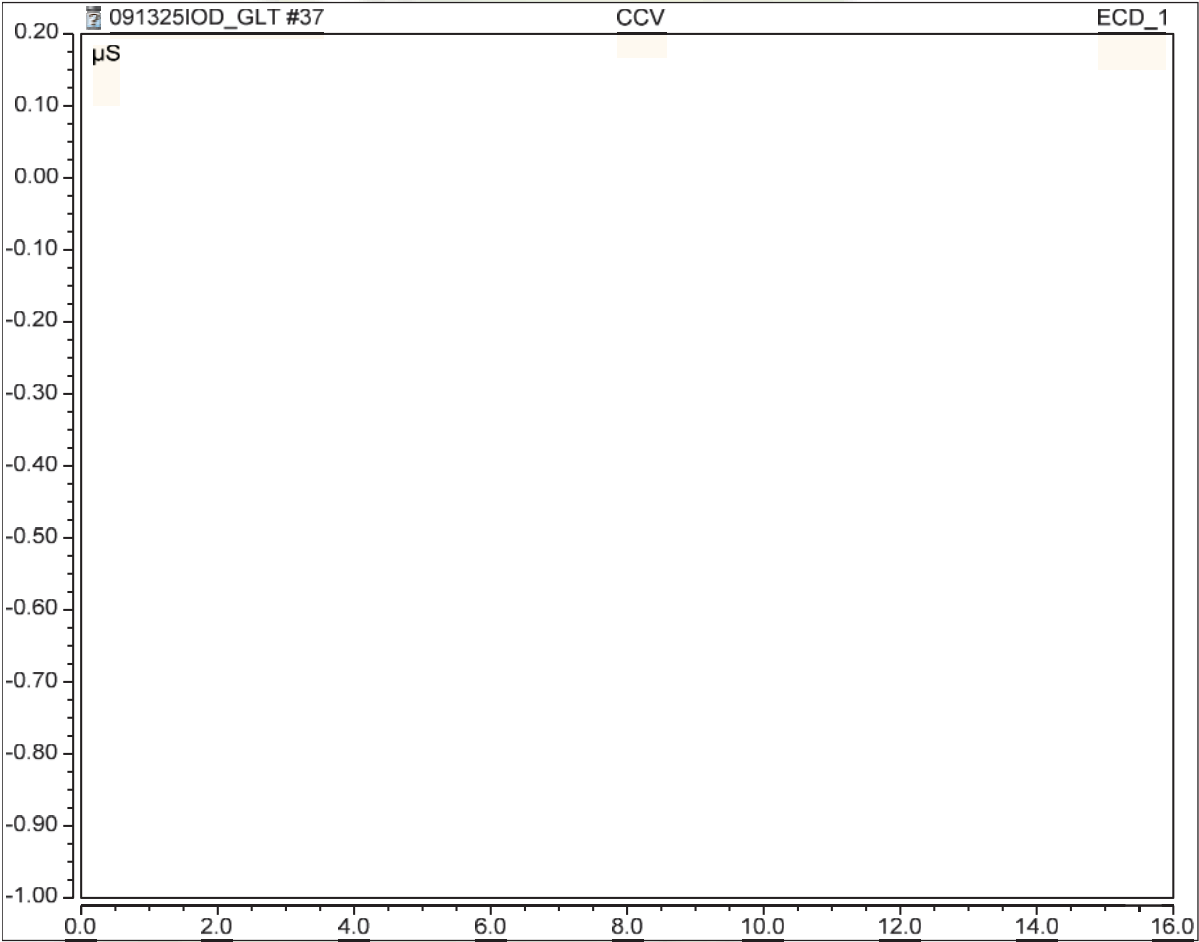
25L405L6550 B05BL			
Sample Name:	25L405L6550B05BL	Injection Volume (uL):	02755
Vial Number:	RD4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 5: /L4	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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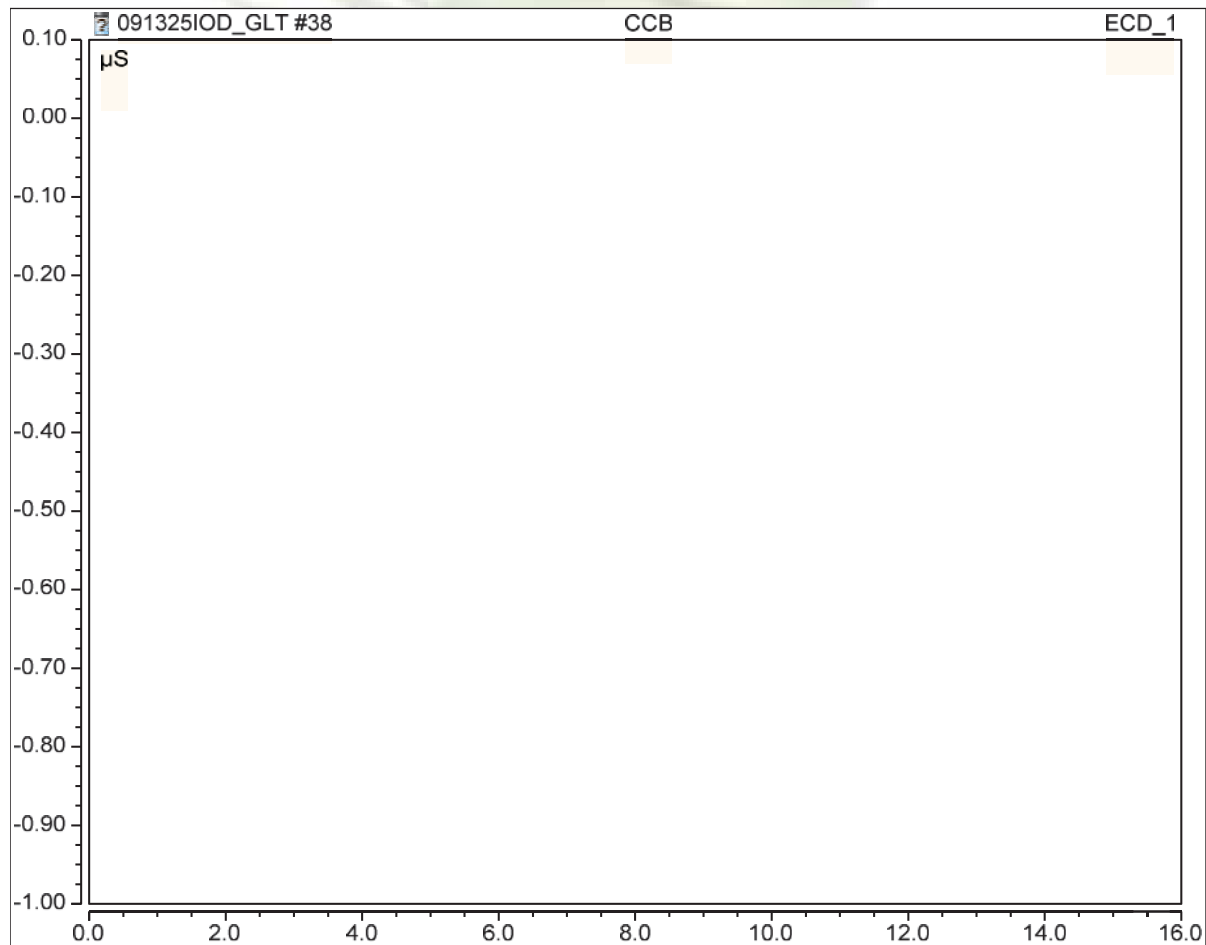
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	0.255
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8440502 5: 12:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.40	g dtto	0.9292	0.031	0.089	BMB



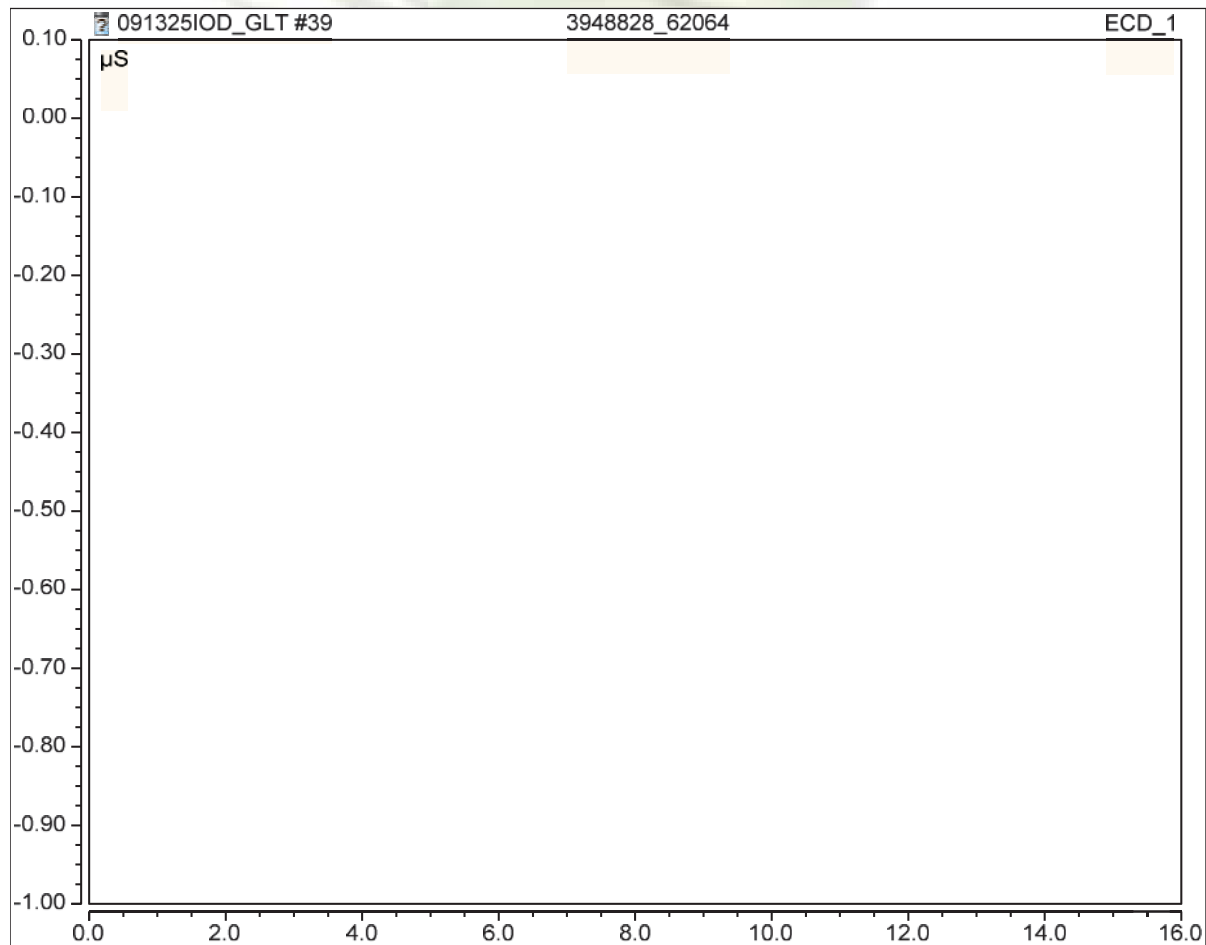
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84402 45/41	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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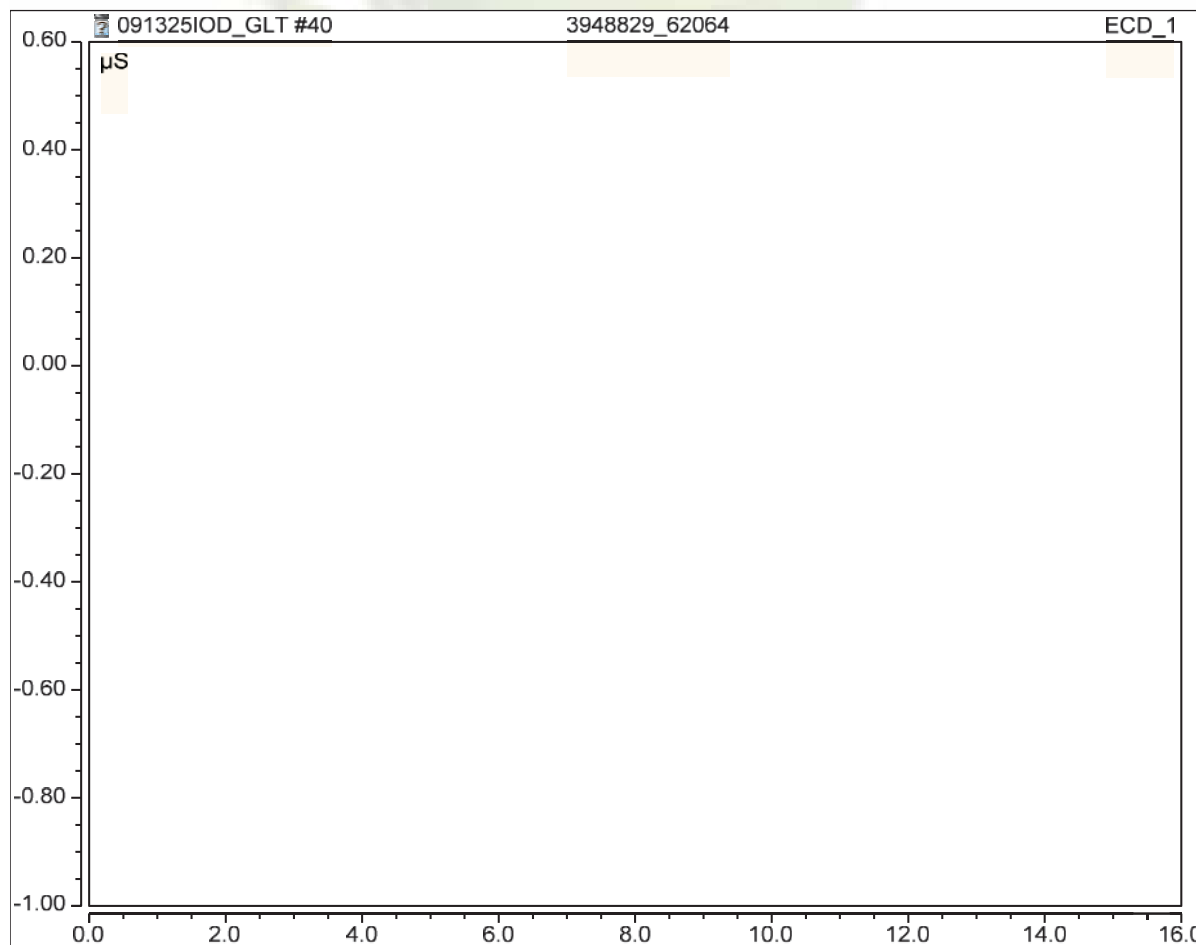
6: L__0_ B05BL			
6L5444			
Sample Name:	6: L__0_ B05BL	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84402 45/6B	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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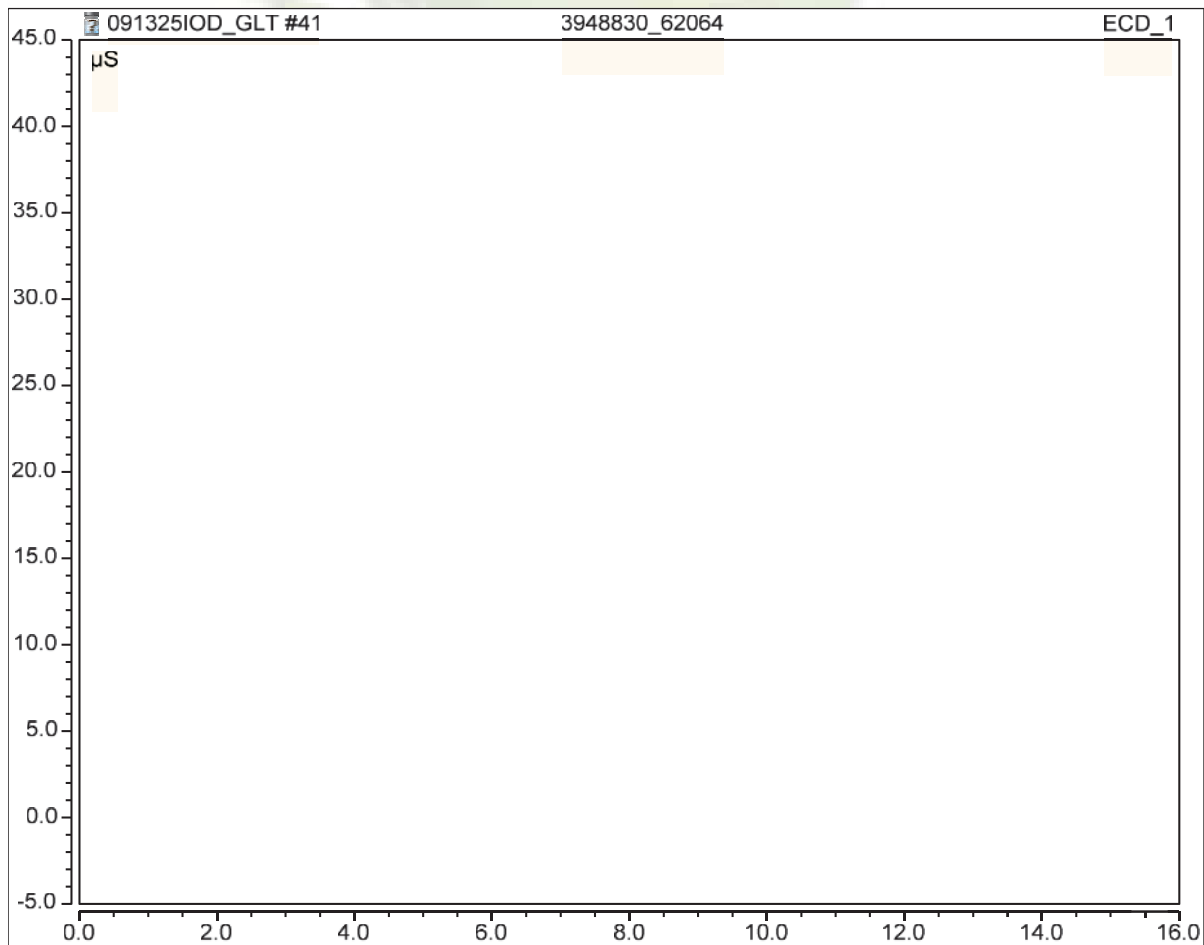
6: L__0: B05BL			
611B 5			
Sample Name:	6: L__0: B05BL	Injection Volume (uL):	0275
Vial Number:	B3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 45/2L	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.37	g dtto	4.9910	0.166	0.479	BMB



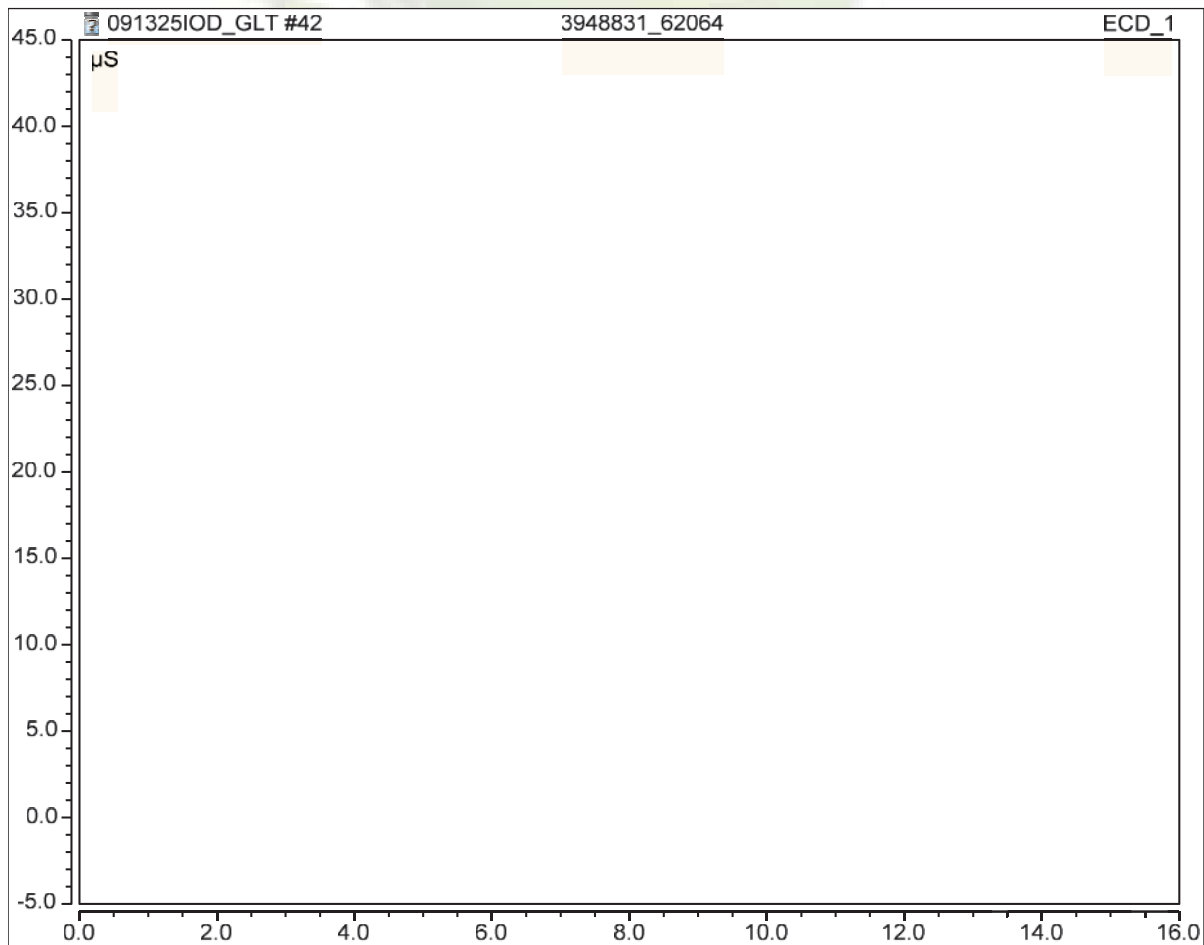
6: L__65 B05BL			
611B 5			
Sample Name:	6: L__65B05BL	Injection Volume (uL):	0275
Vial Number:	RD5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 44/40	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8	mudT μS*i te	r othgR μS	nnyo
1	13.40	g dtto	4.9665	0.165	0.473	BMB



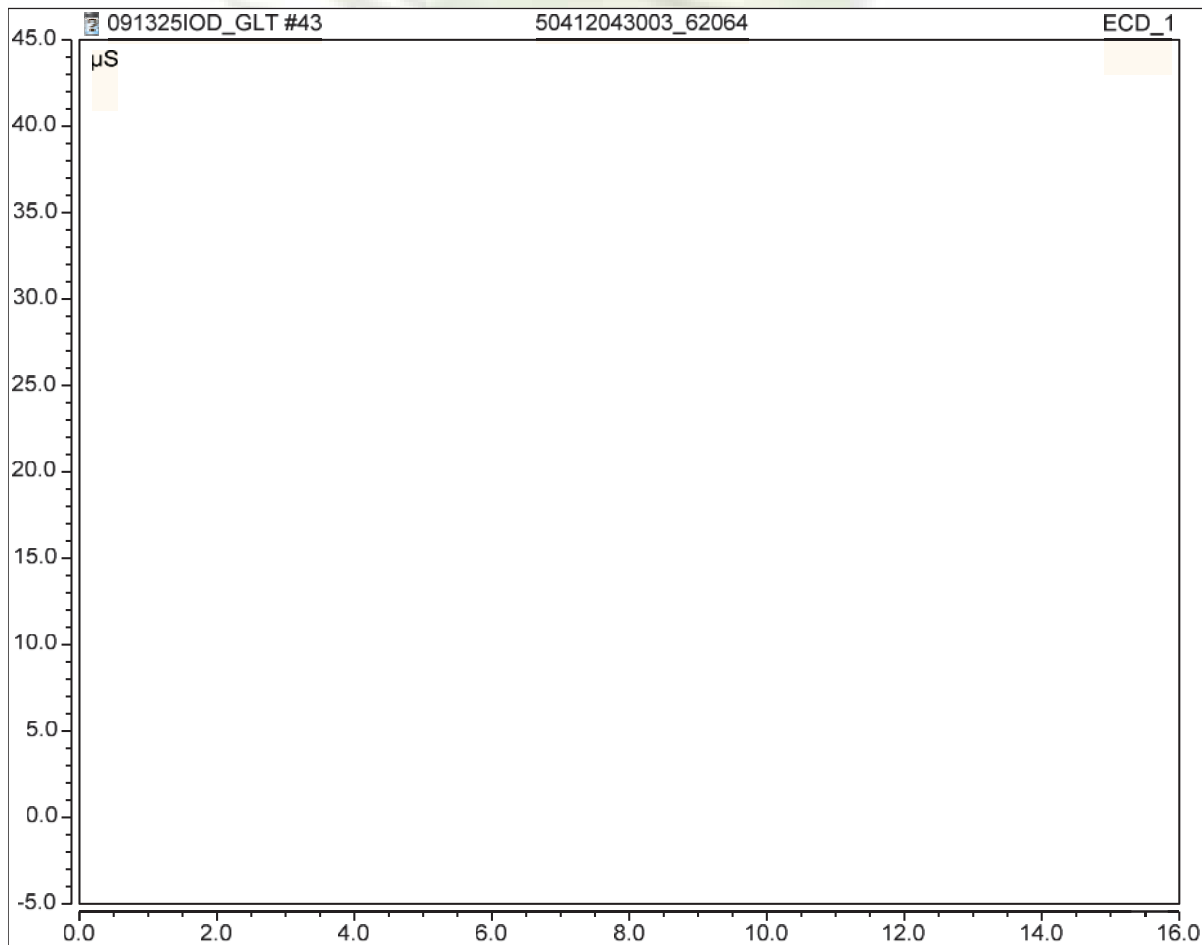
6: L__64 B05BL			
611B 5			
Sample Name:	6: L__64B05BL	Injection Volume (uL):	02755
Vial Number:	RD6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 44/64	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

31 7	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.41	g dtto	4.9729	0.165	0.474	BMB



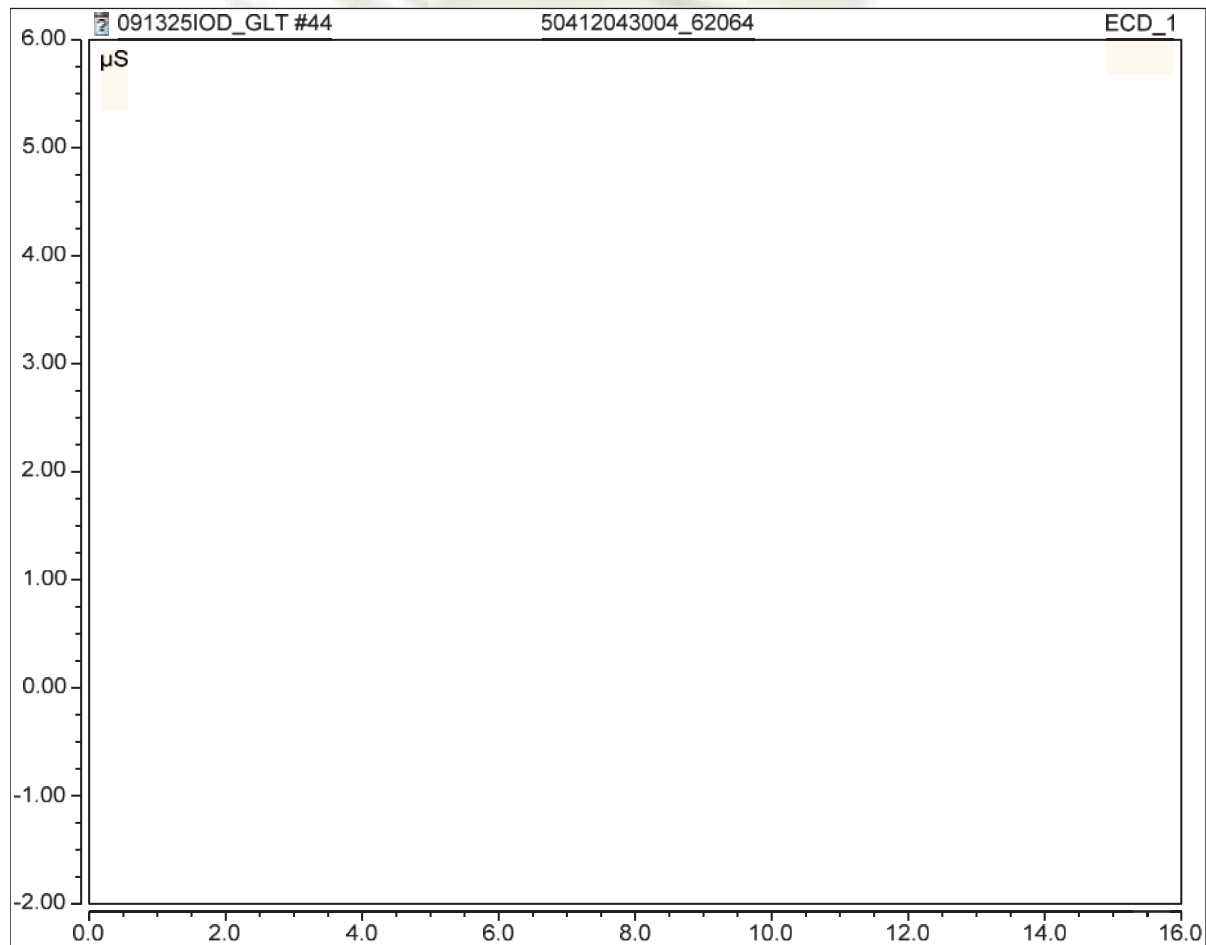
25L405L6556 B05BL			
Sample Name:	25L405L6556B05BL	Injection Volume (uL):	02755
Vial Number:	RD7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 44/L:	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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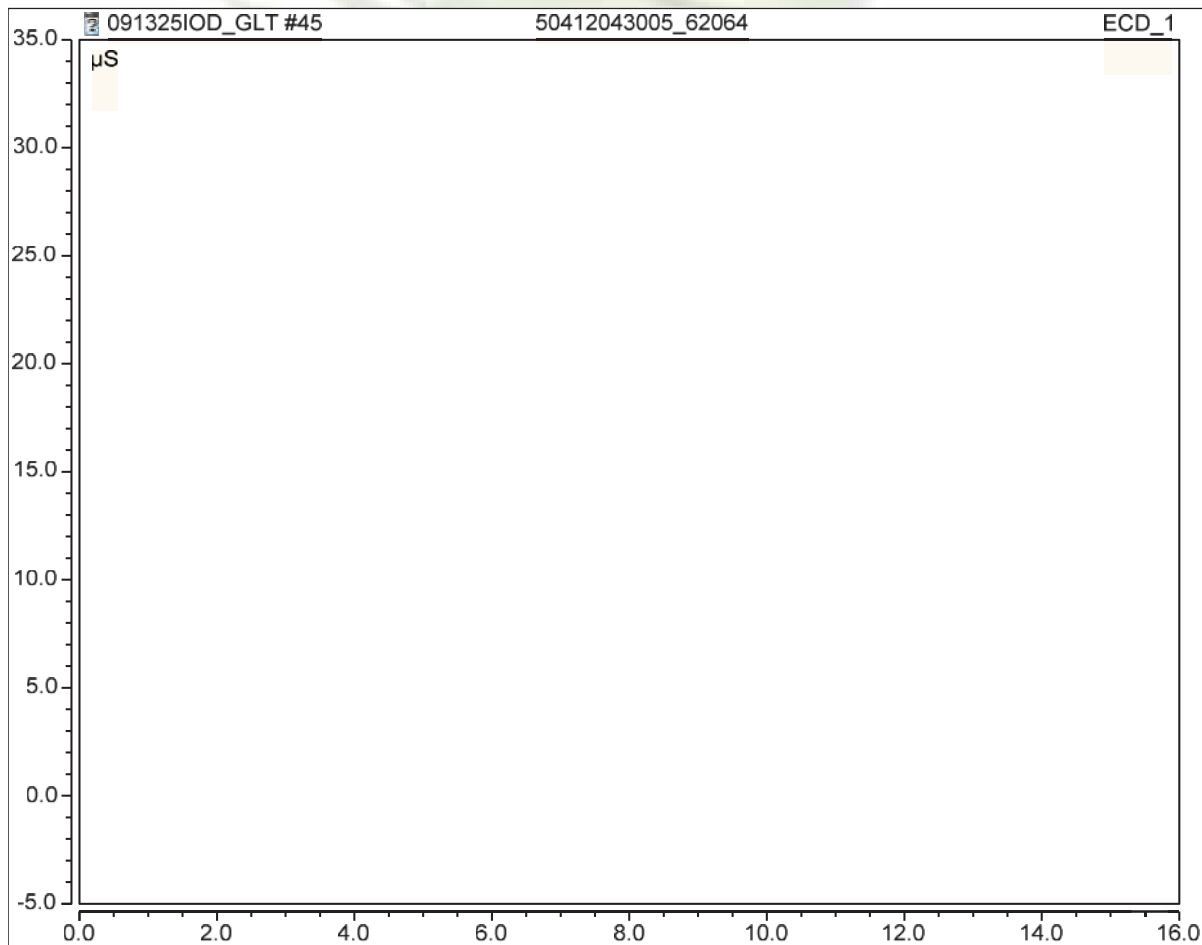
25L405L655L B05BL			
Sample Name:	25L405L655LDB05BL	Injection Volume (uL):	02755
Vial Number:	RD8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8440502 40/51	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nhyo
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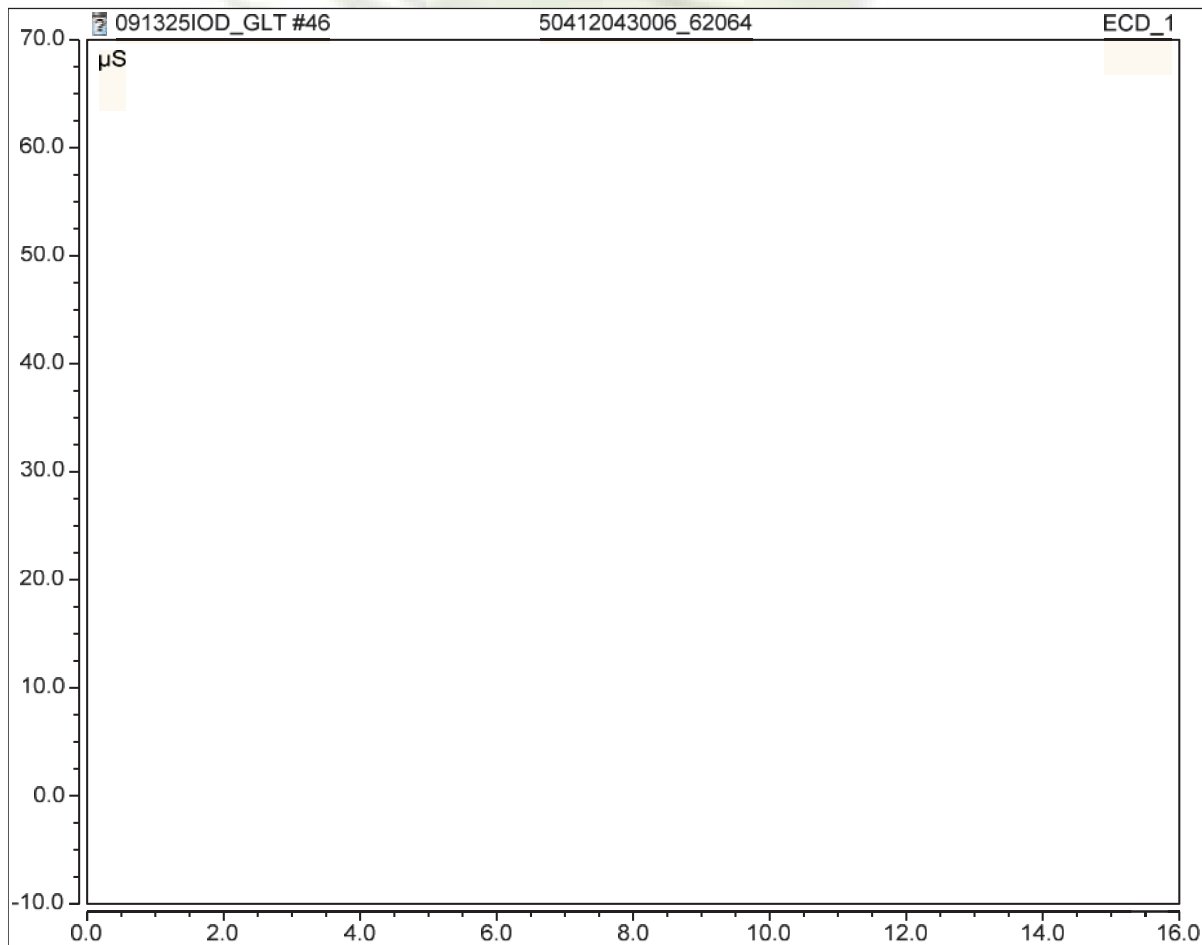
25L405L6552 B05BL			
Sample Name:	25L405L6552B05BL	Injection Volume (uL):	0275
Vial Number:	RE1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 40/02	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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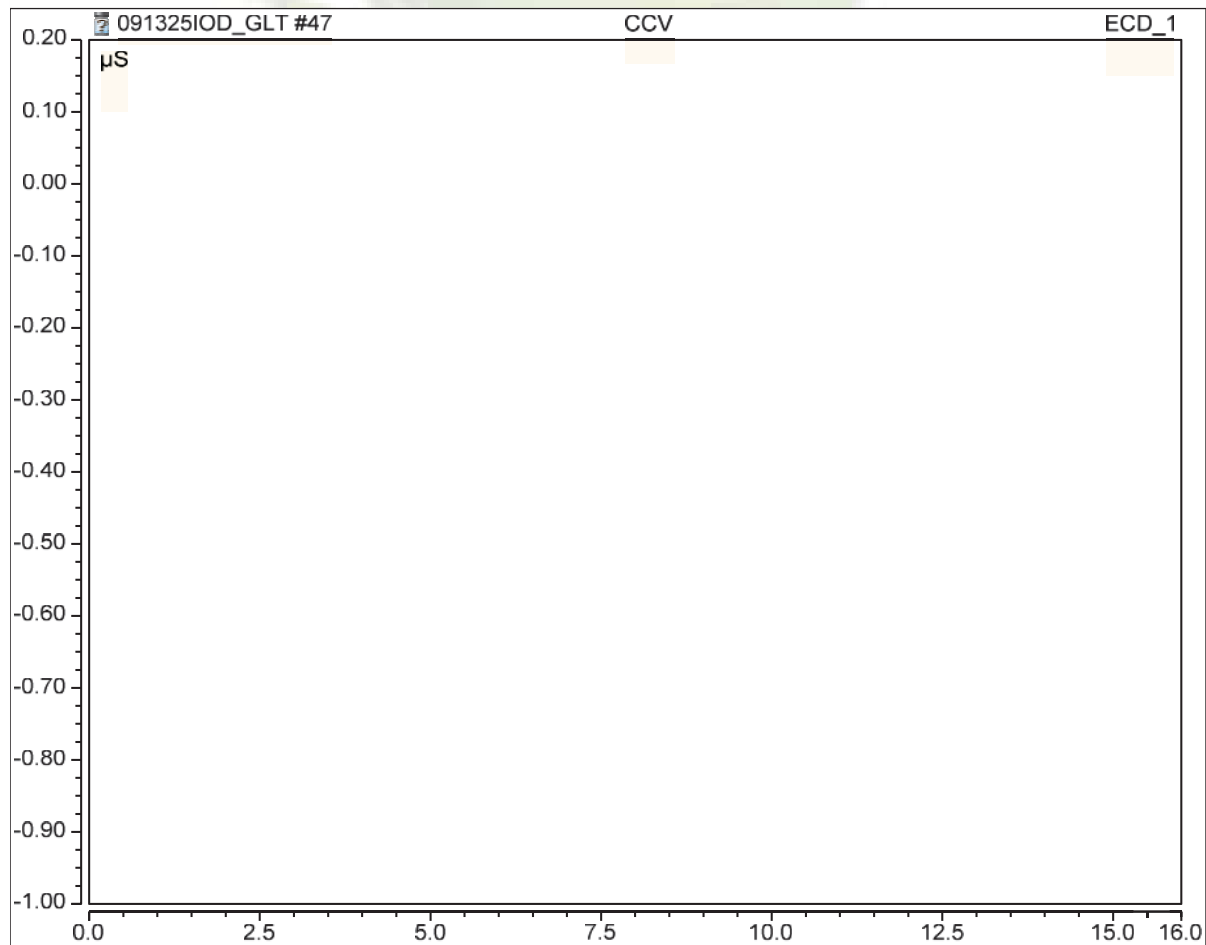
25L405L655B B05BL			
Sample Name:	25L405L655BDB05BL	Injection Volume (uL):	02755
Vial Number:	RE2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8L80502 40/LL	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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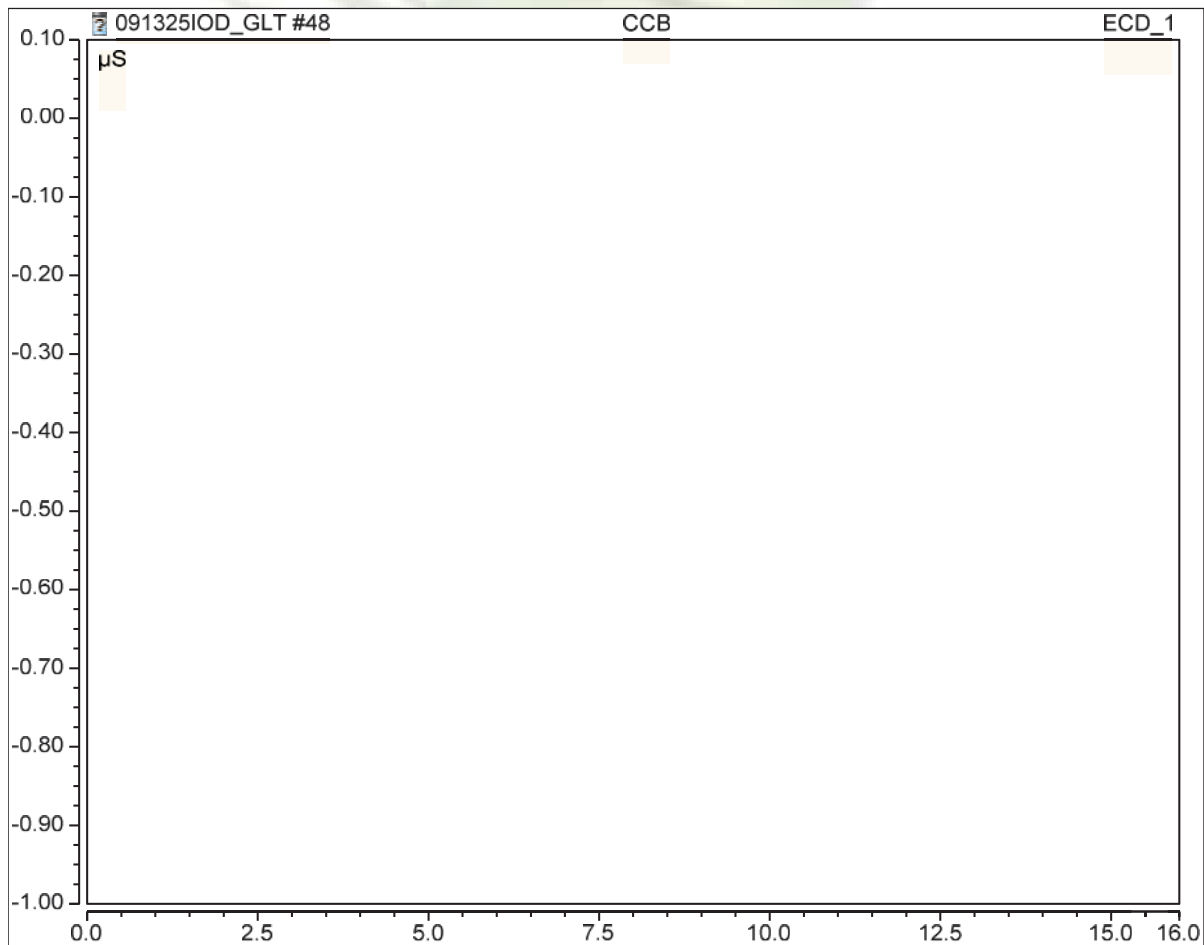
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 46/50	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.39	g dtto	0.9586	0.032	0.090	BMB



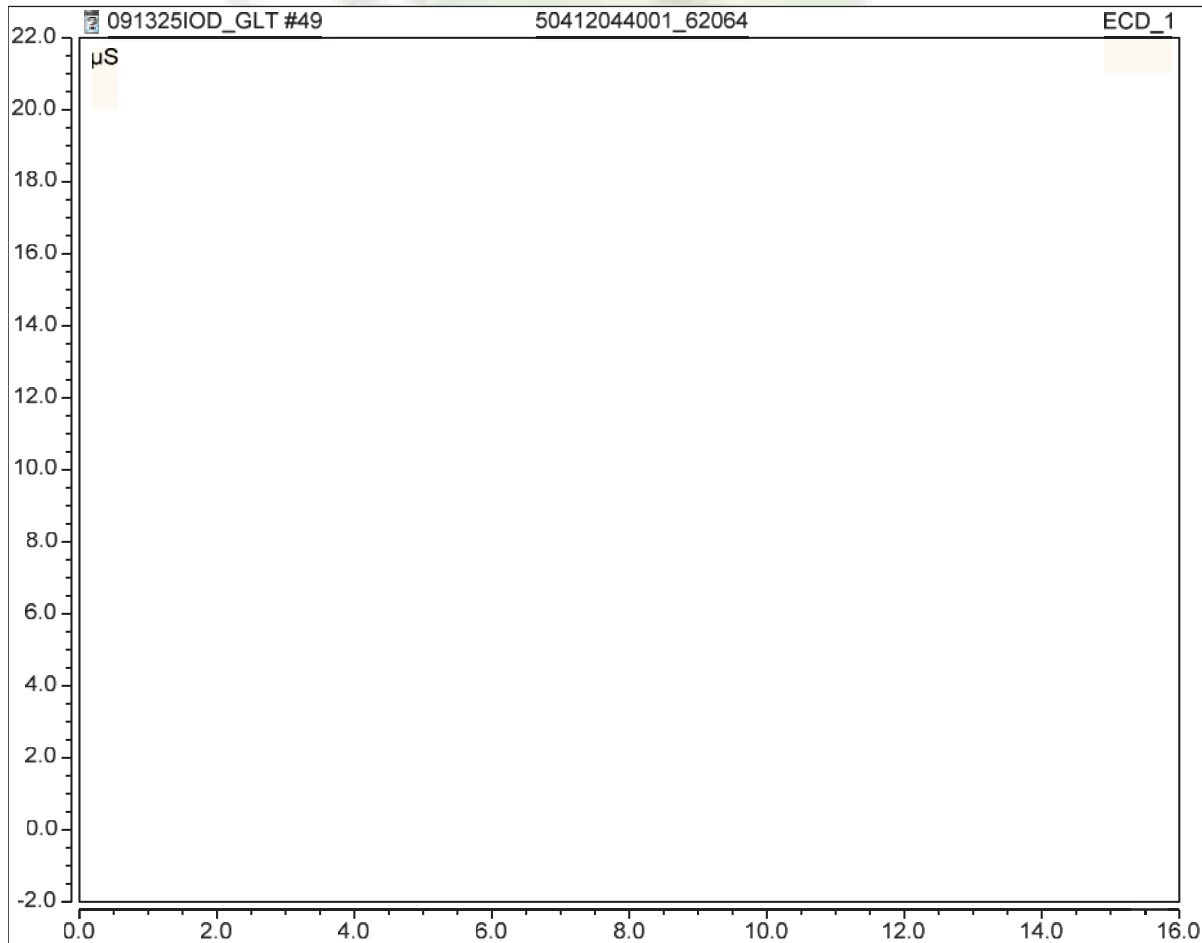
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	0275
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 46/05	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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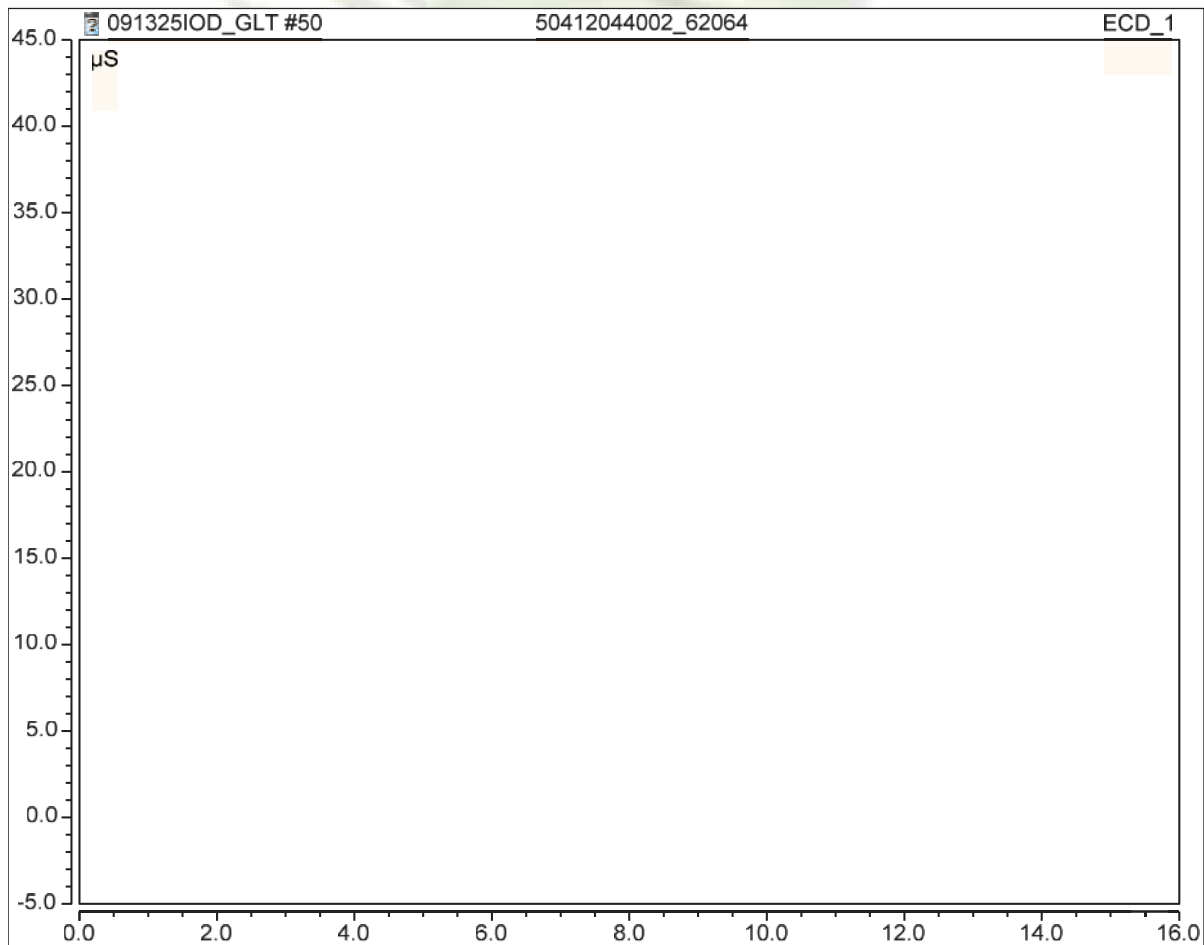
25L405LL554 B05BL			
Sample Name:	25L405LL554B05BL	Injection Volume (uL):	02755
Vial Number:	RE3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 46/6:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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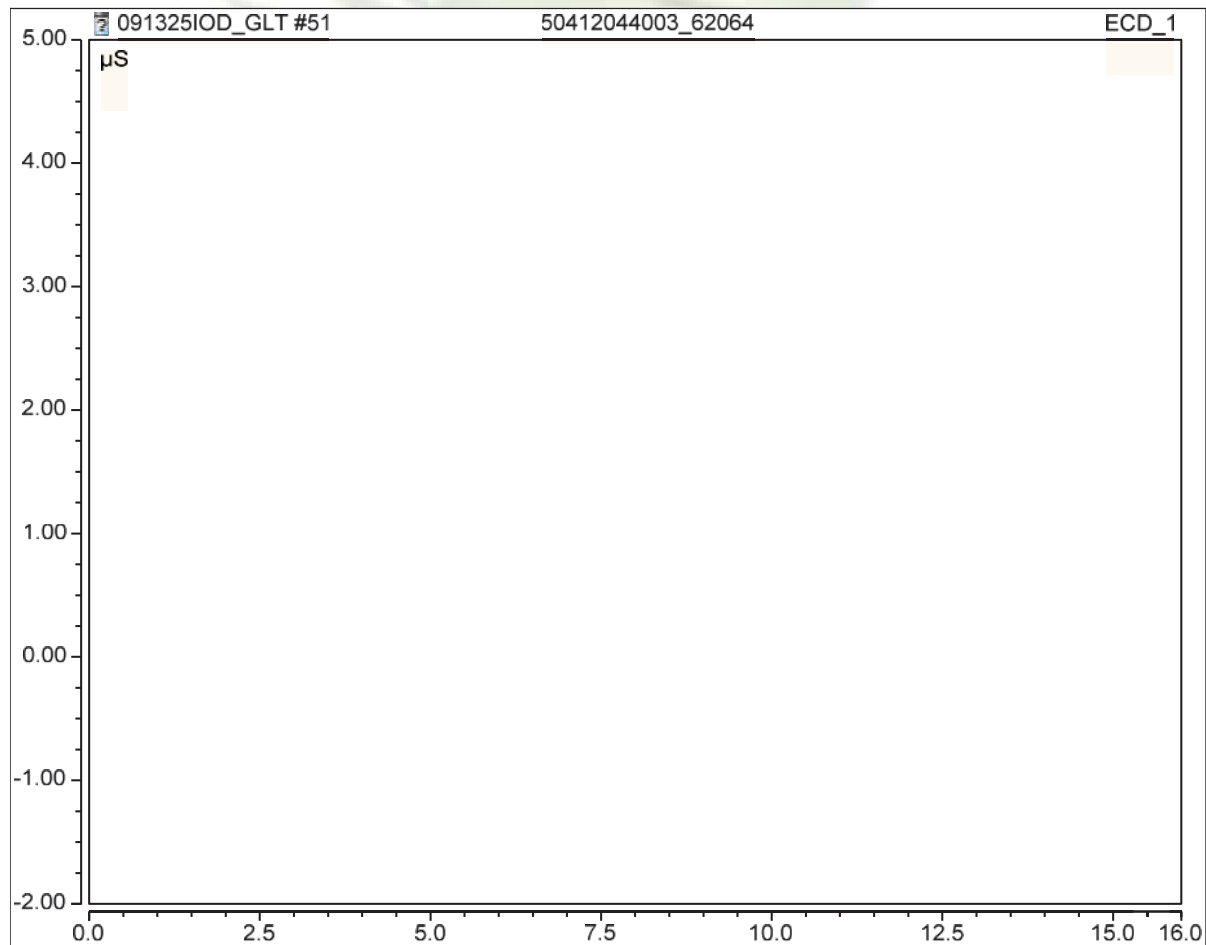
25L405LL550 B05BL			
Sample Name:	25L405LL550B05BL	Injection Volume (uL):	02755
Vial Number:	RE4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 46/21	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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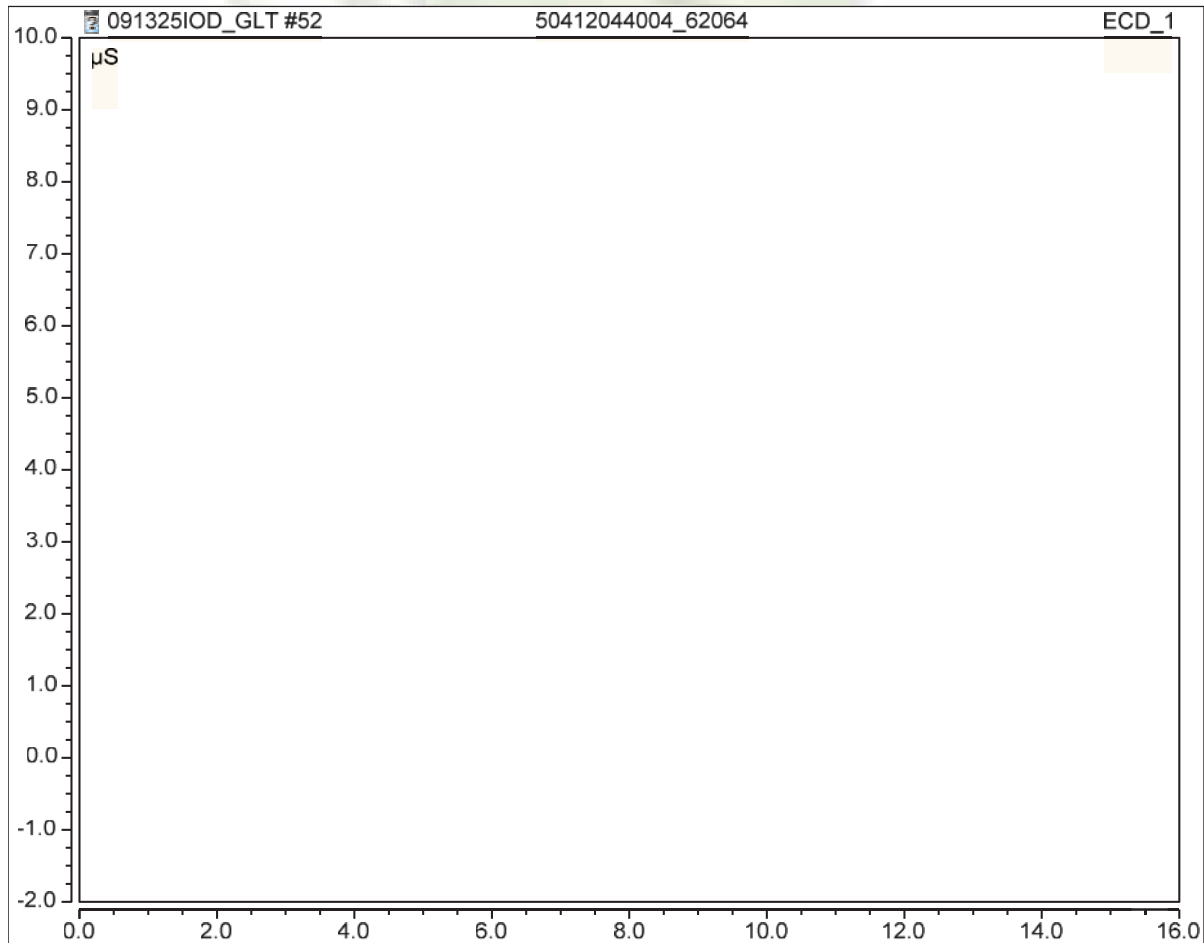
25L405LL556 B05BL			
Sample Name:	25L405LL556B05BL	Injection Volume (uL):	02755
Vial Number:	RE5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8480502 41/42	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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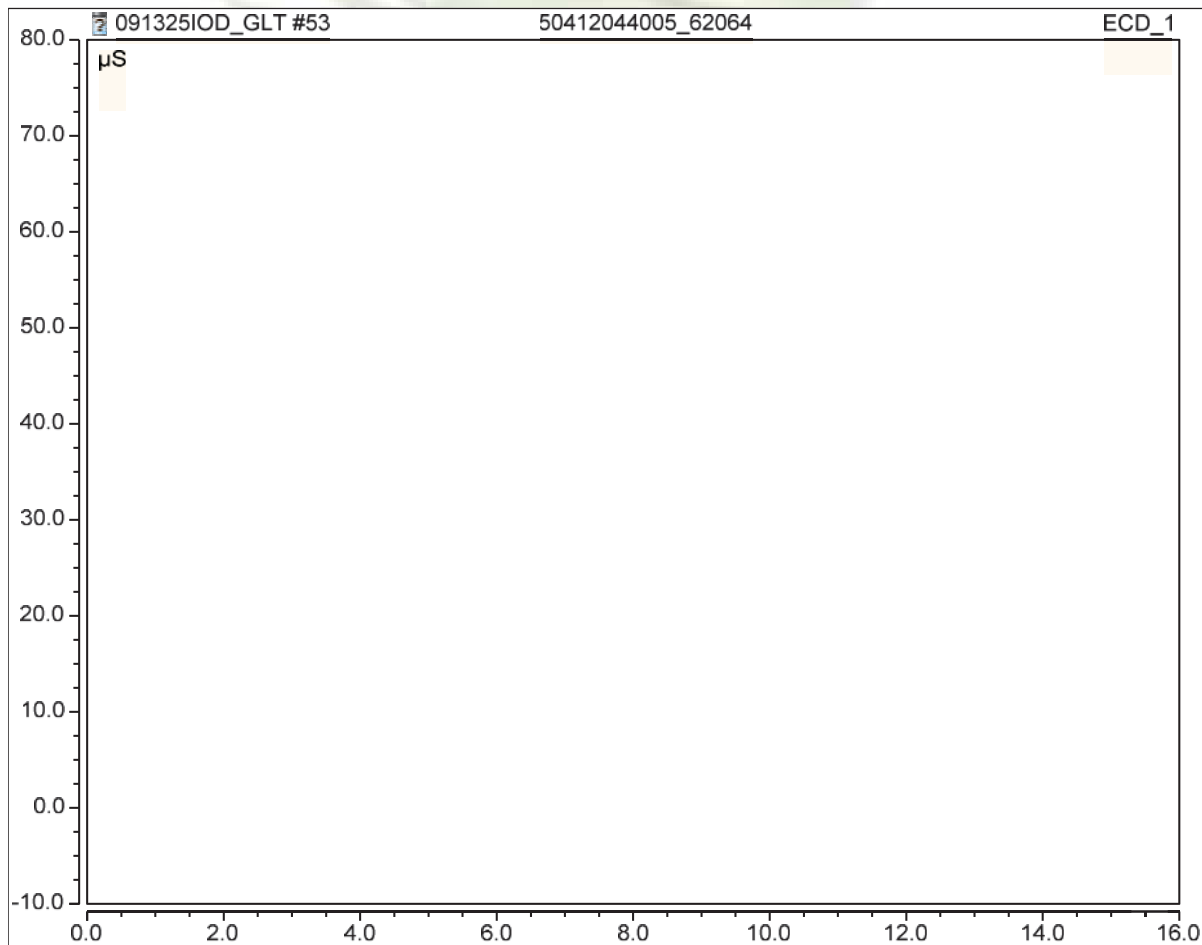
25L405LL55L B05BL			
Sample Name:	25L405LL55LB05BL	Injection Volume (uL):	02755
Vial Number:	RE6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 4L/66	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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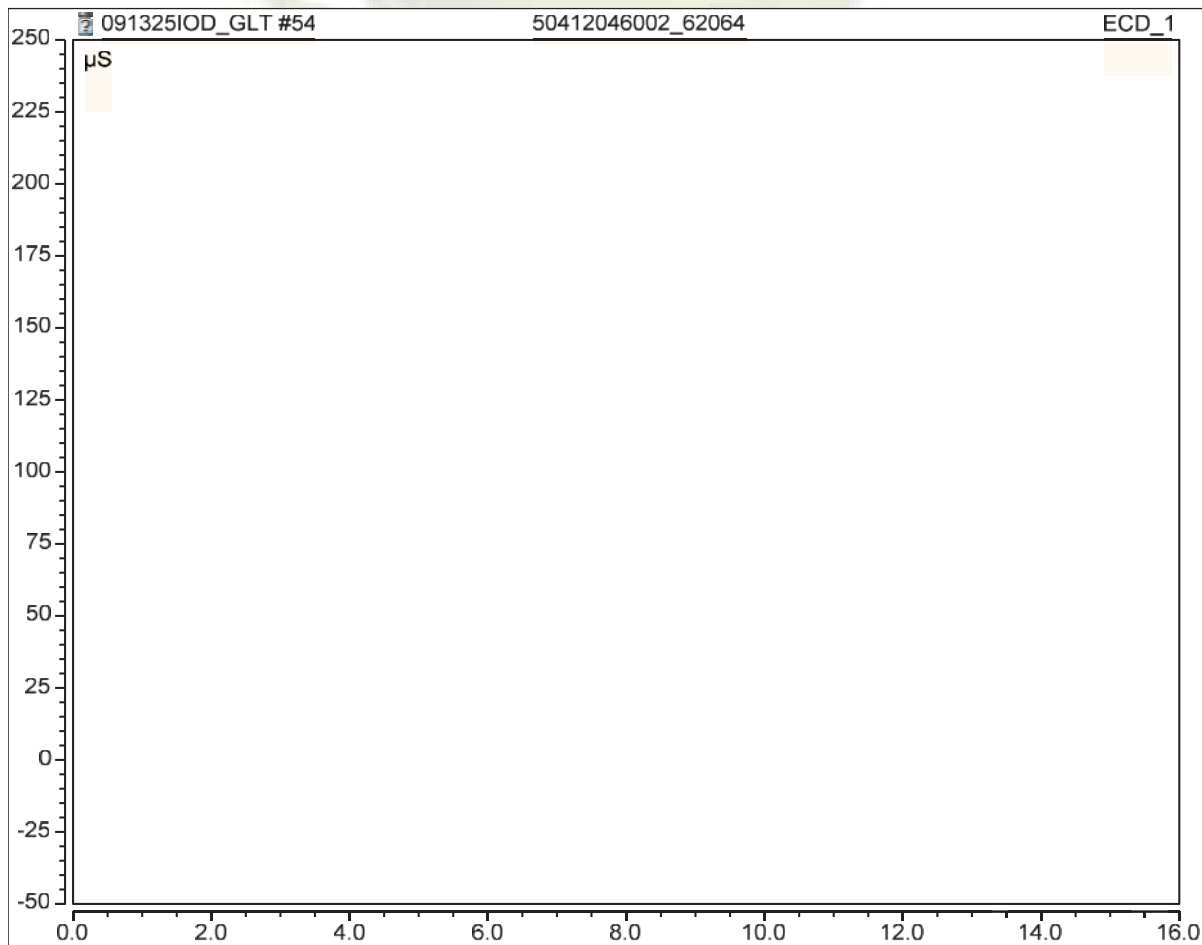
25L405LL552 B05BL			
Sample Name:	25L405LL552B05BL	Injection Volume (uL):	02755
Vial Number:	RE7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84402 41/20	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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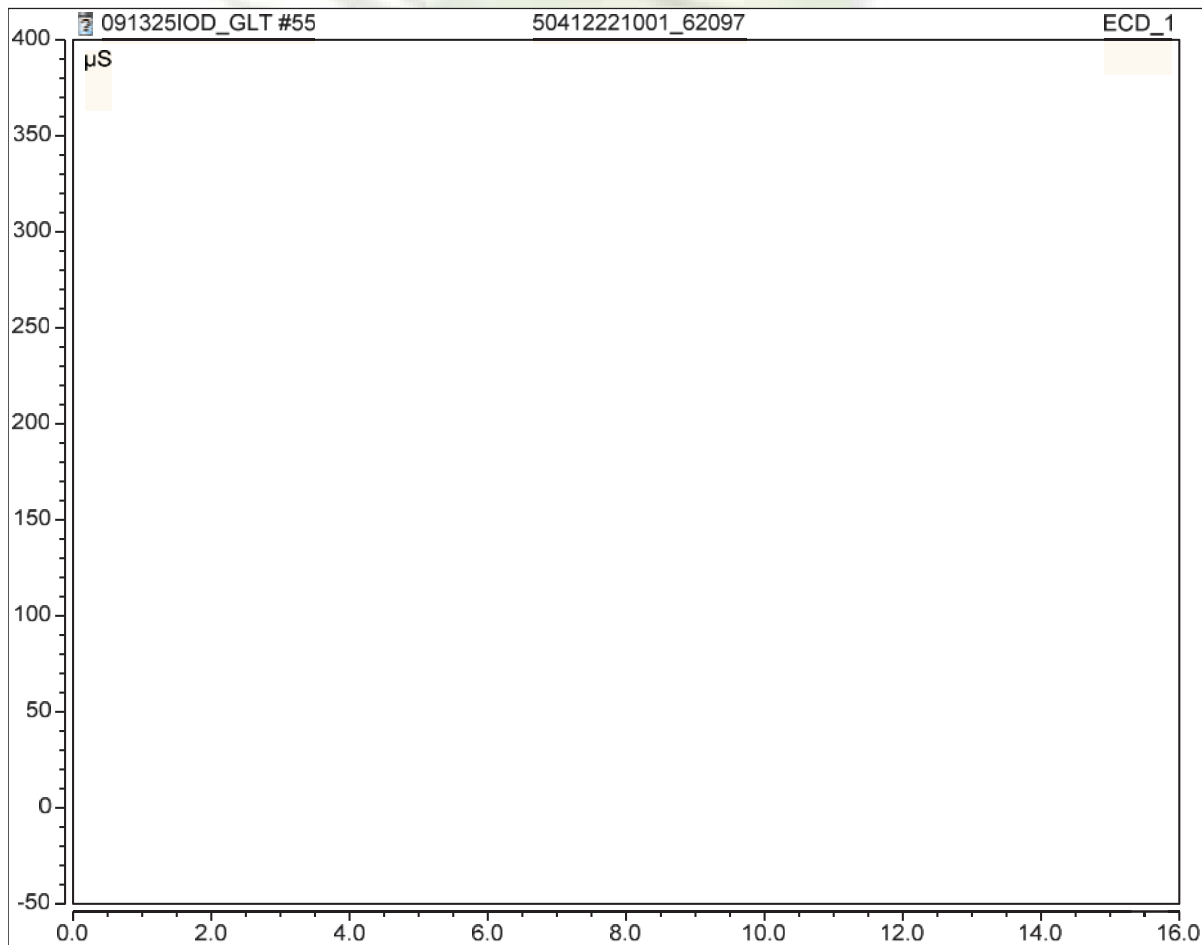
25L405LB550 B05BL			
Sample Name:	25L405LB550B05BL	Injection Volume (uL):	02755
Vial Number:	RE8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 42/45	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.42	g dtto	0.0460	0.002	0.006	BMB



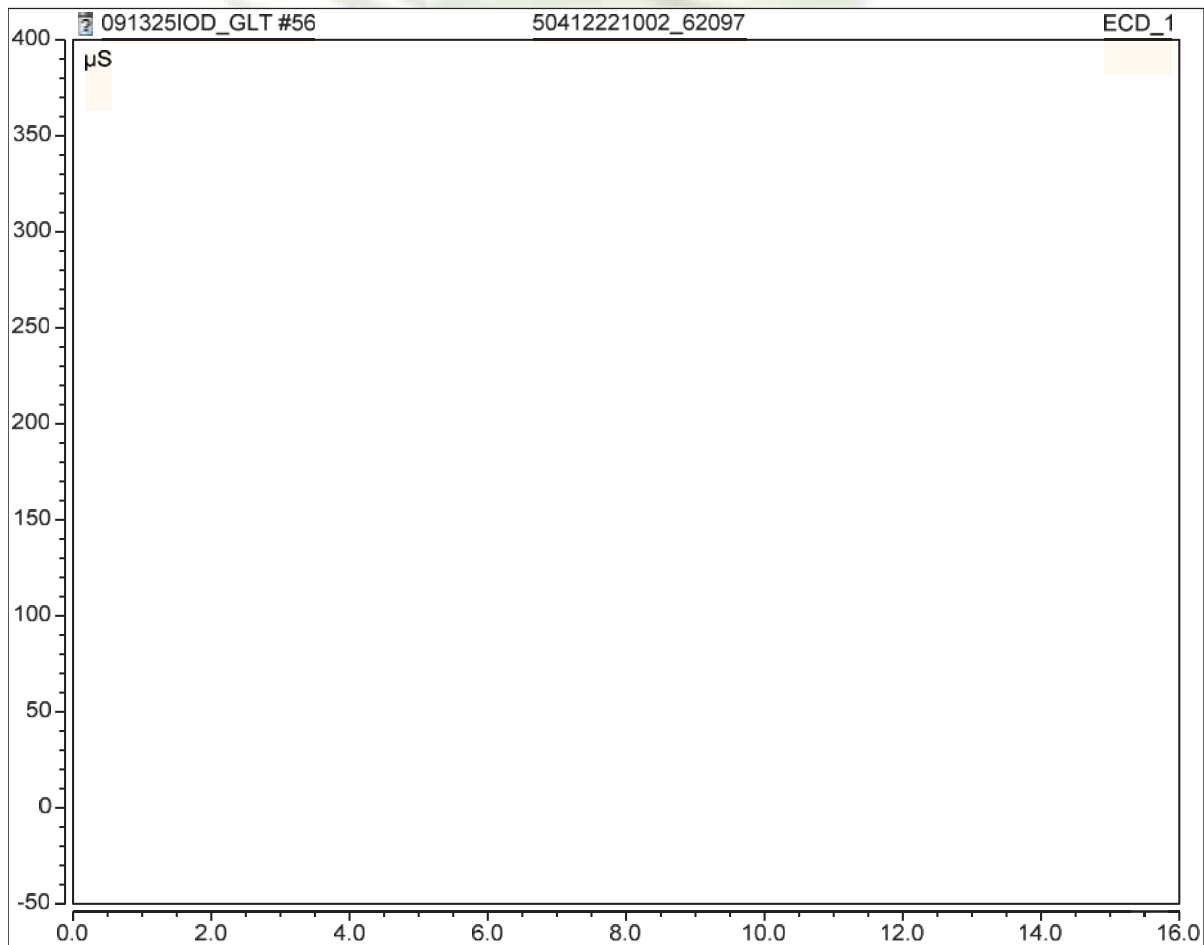
25L40004554 B05: 1			
Sample Name:	25L40004554B05: 1	Injection Volume (uL):	02755
Vial Number:	BD1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84402 42/0_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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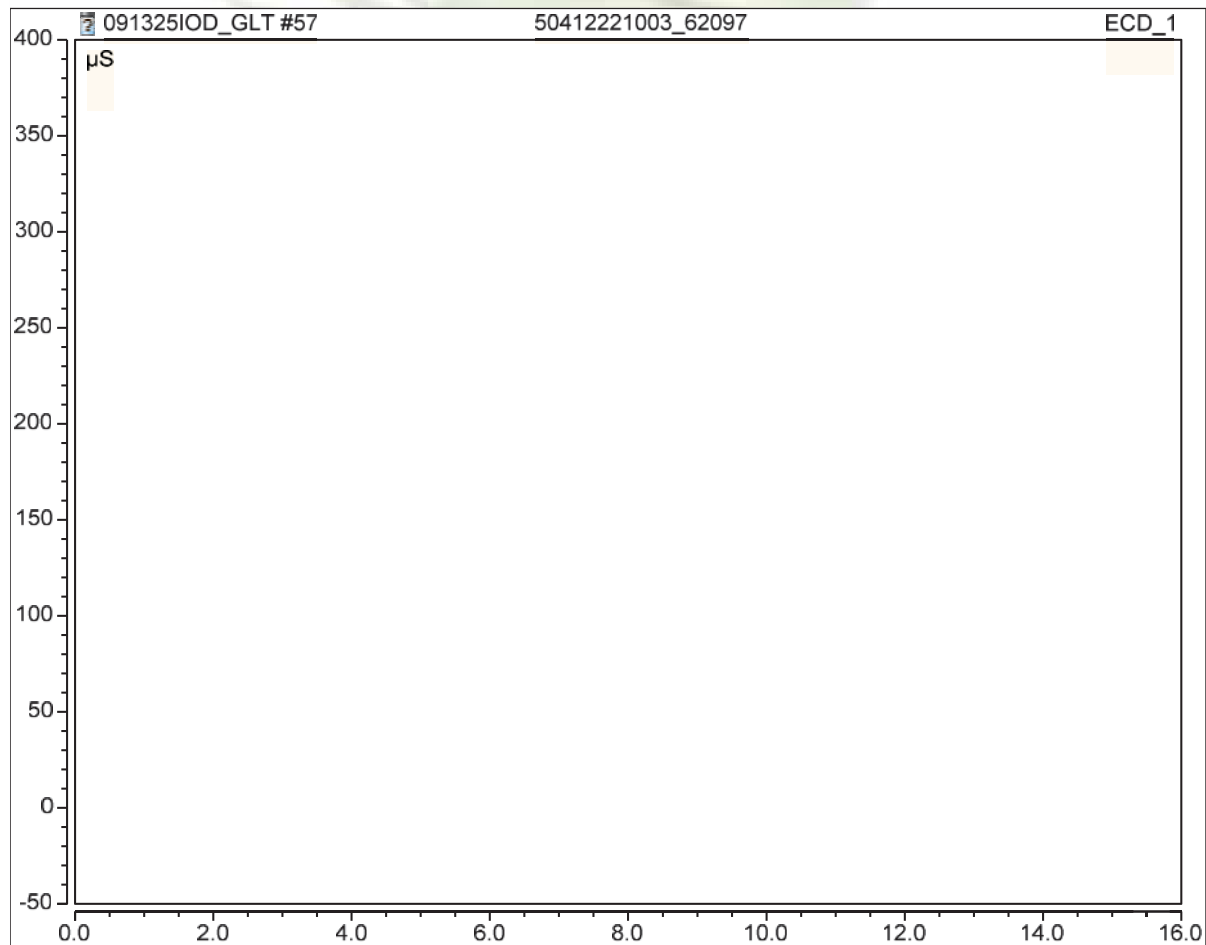
25L40004550 B05: 1			
Sample Name:	25L40004550B05: 1	Injection Volume (uL):	02755
Vial Number:	BD2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 42/L1	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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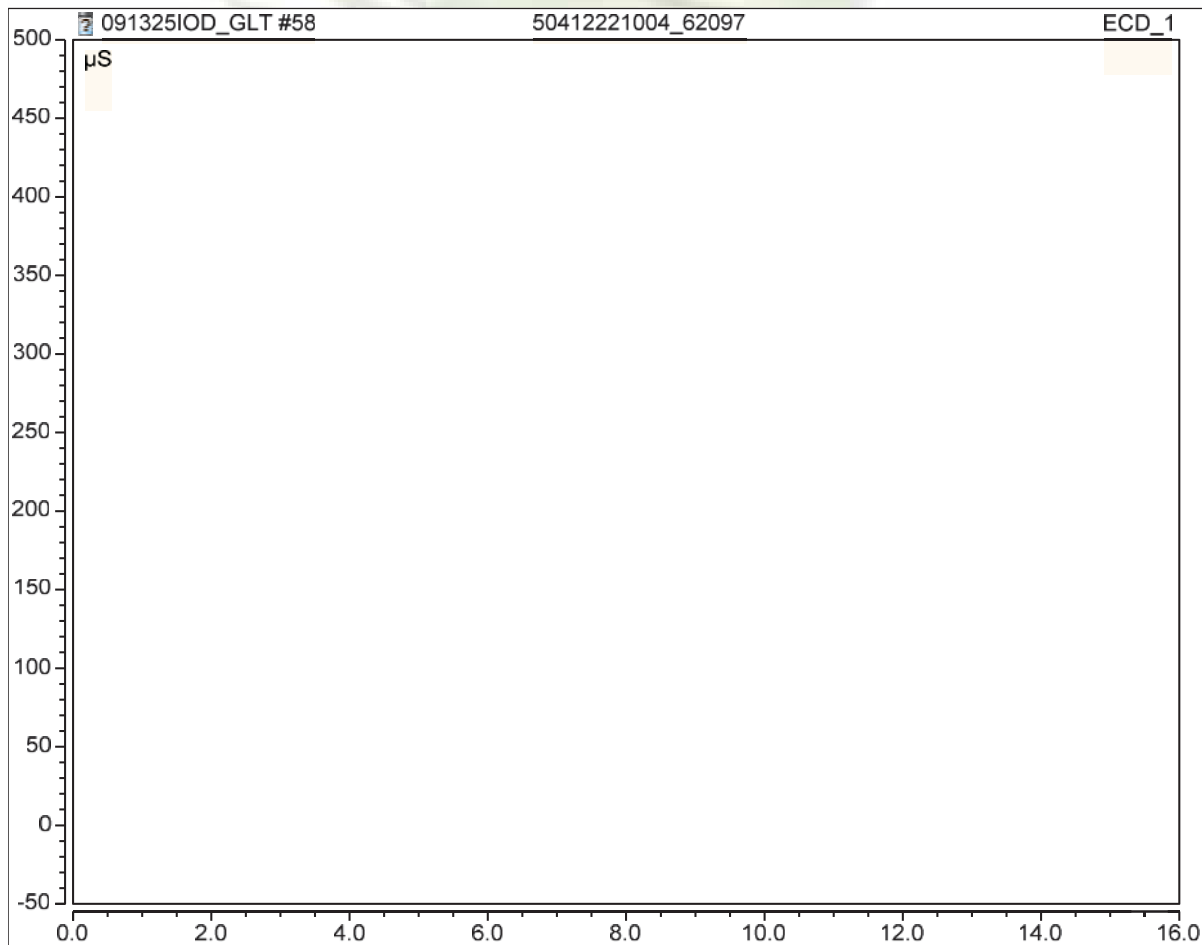
25L40004556 B05: 1			
Sample Name:	25L40004556B05: 1	Injection Volume (uL):	02755
Vial Number:	BD3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 4B/52	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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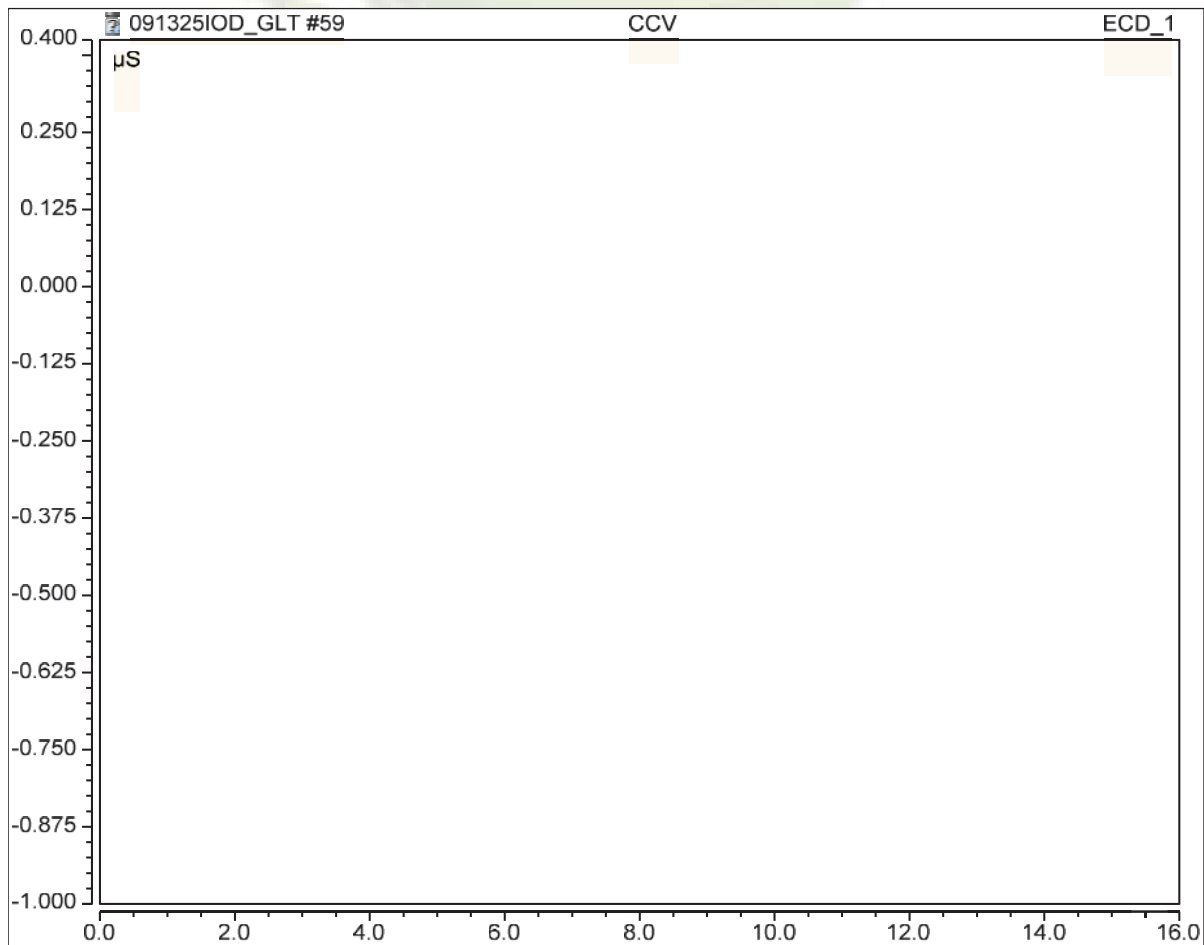
25L4000455L B05: 1			
Sample Name:	25L4000455LB05: 1	Injection Volume (uL):	02755
Vial Number:	BD4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8L80502 4E/06	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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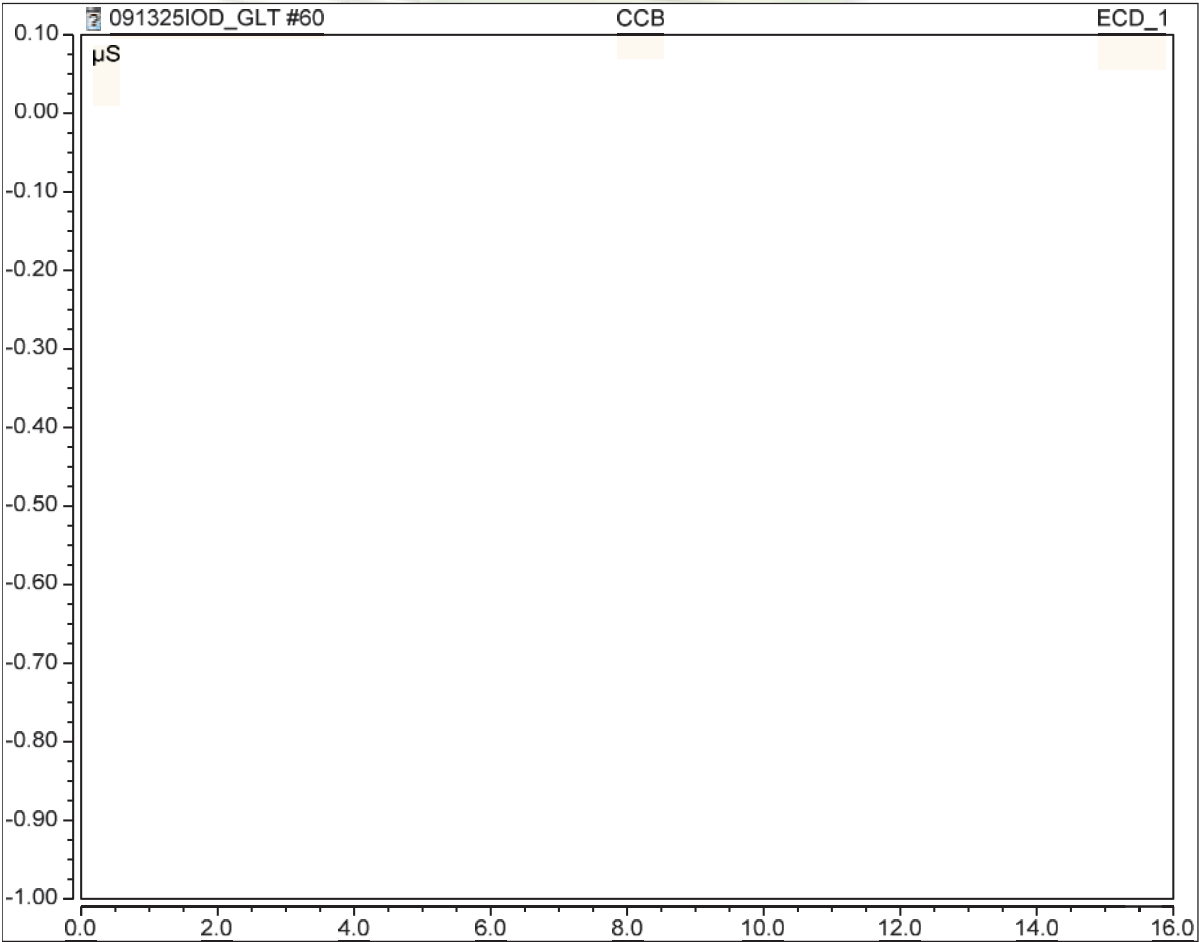
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	0275
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 4B/L4	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r otHgR μS	nnyo
1	13.42	g dtto	0.8923	0.030	0.087	BMB



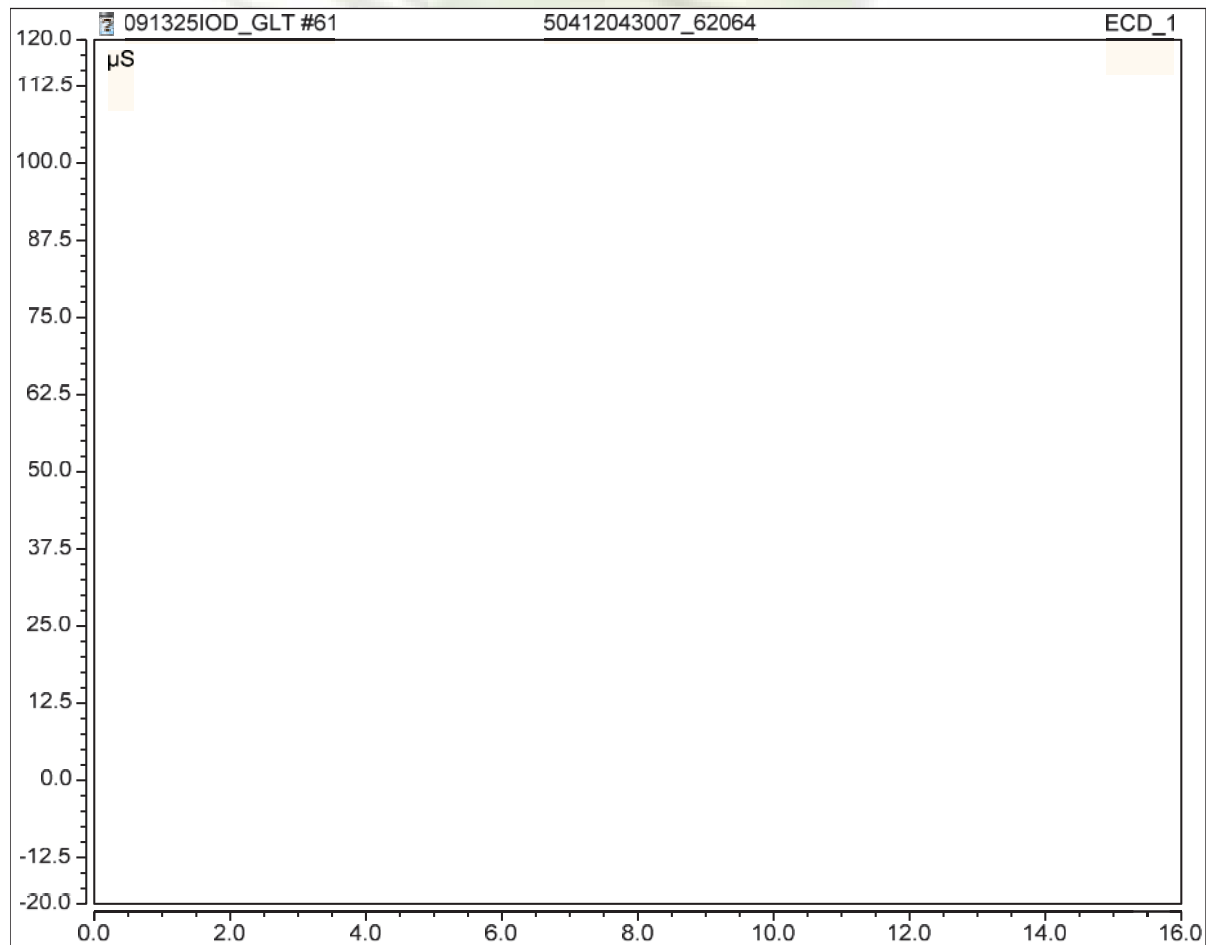
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 41/55	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	mud μS*i te	r othgR μS	nnyo
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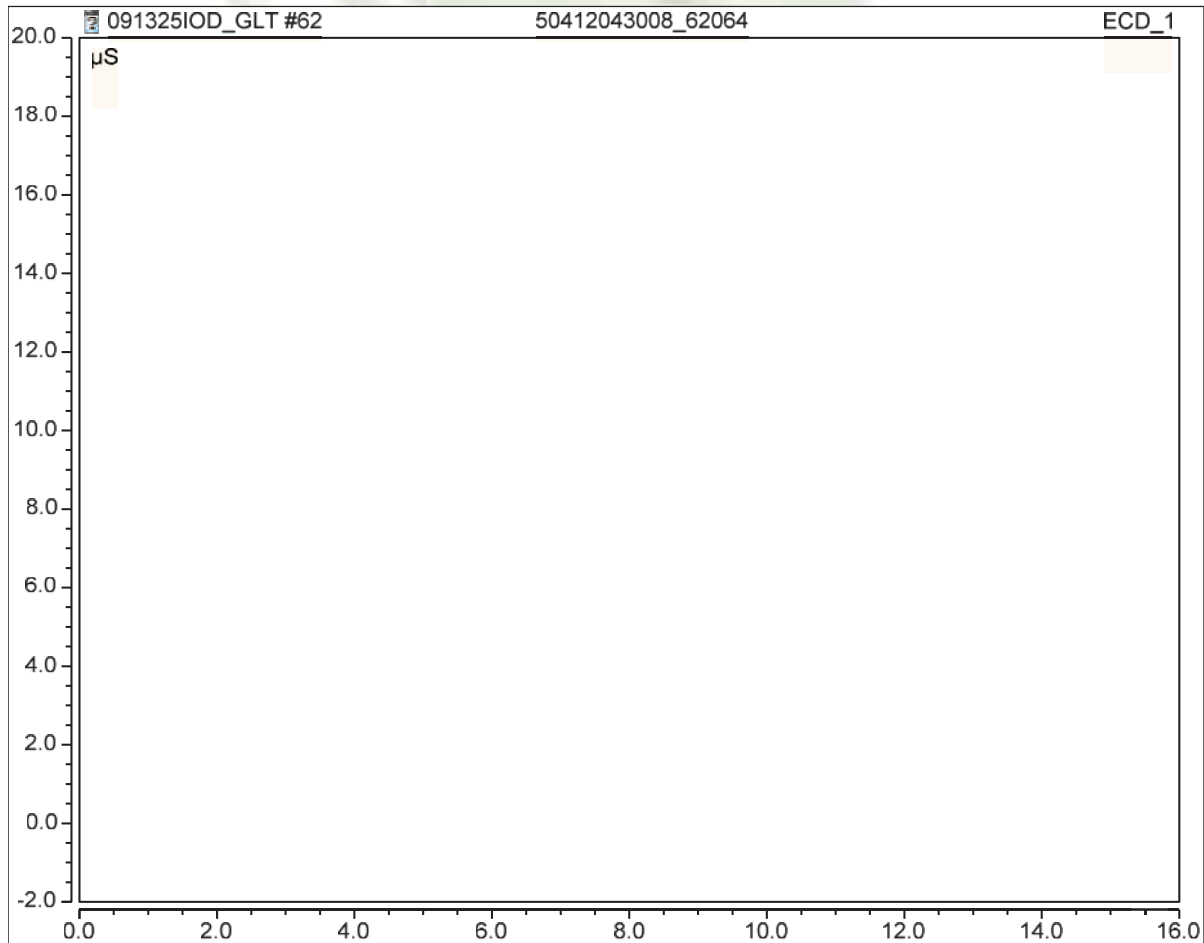
25L405L6551 B05BL			
Sample Name:	25L405L6551B05BL	Injection Volume (uL):	0275
Vial Number:	BD5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 41/4_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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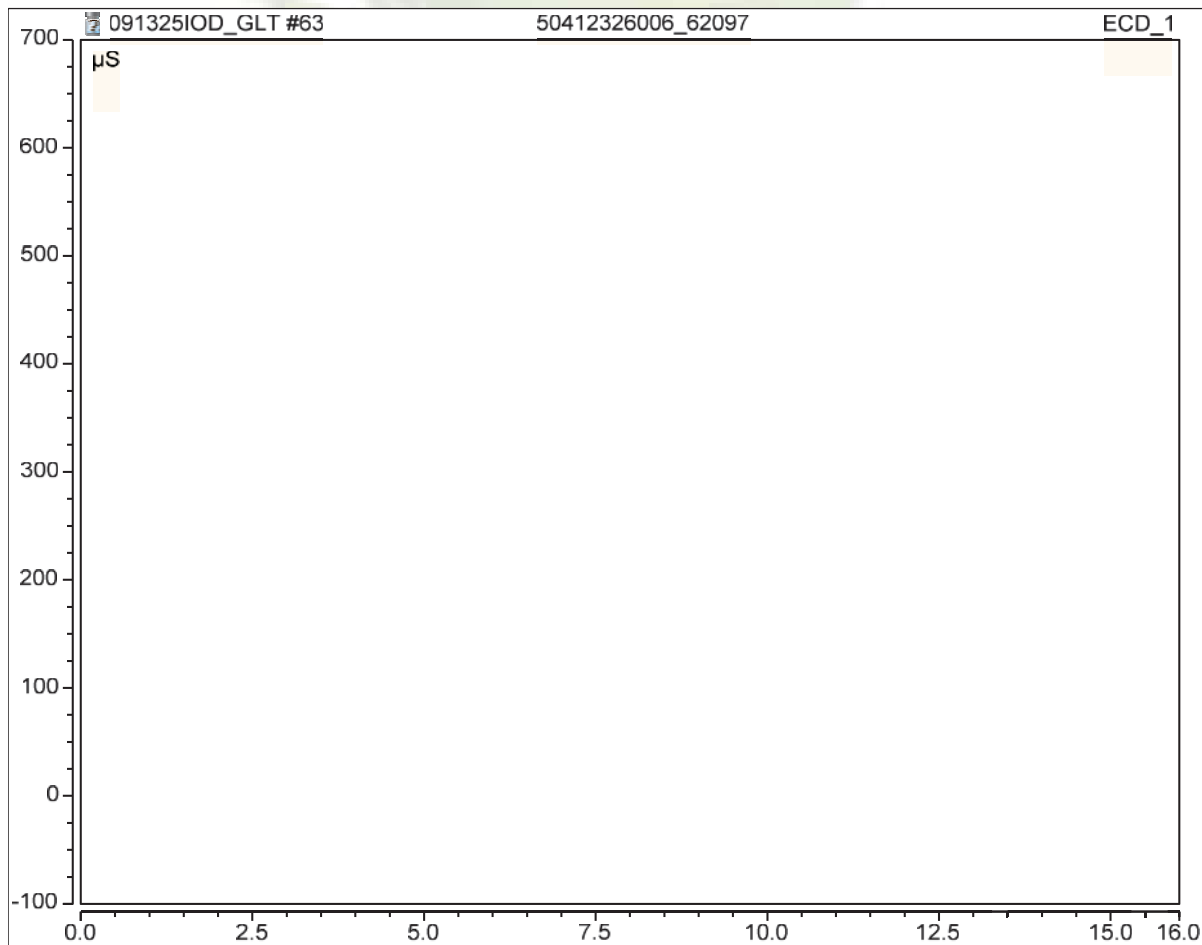
25L405L655_ B05BL			
Sample Name:	25L405L655_DB05BL	Injection Volume (uL):	02755
Vial Number:	BD6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8480502 41/6B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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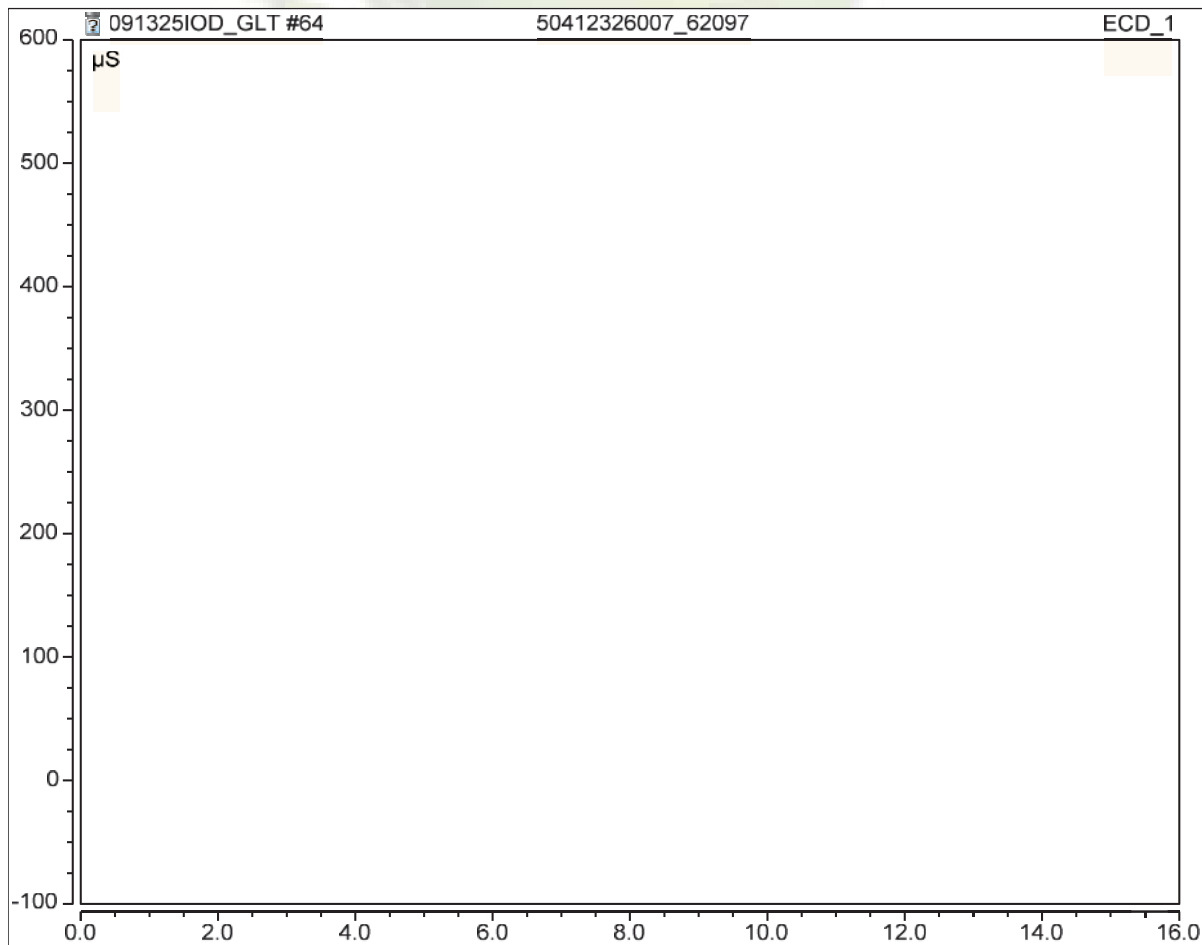
25L4060B55B B05: 1			
Sample Name:	25L4060B55B B05: 1	Injection Volume (uL):	02755
Vial Number:	BD7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 41/22	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.41	g dtto	0.0614	0.003	0.008	BMB



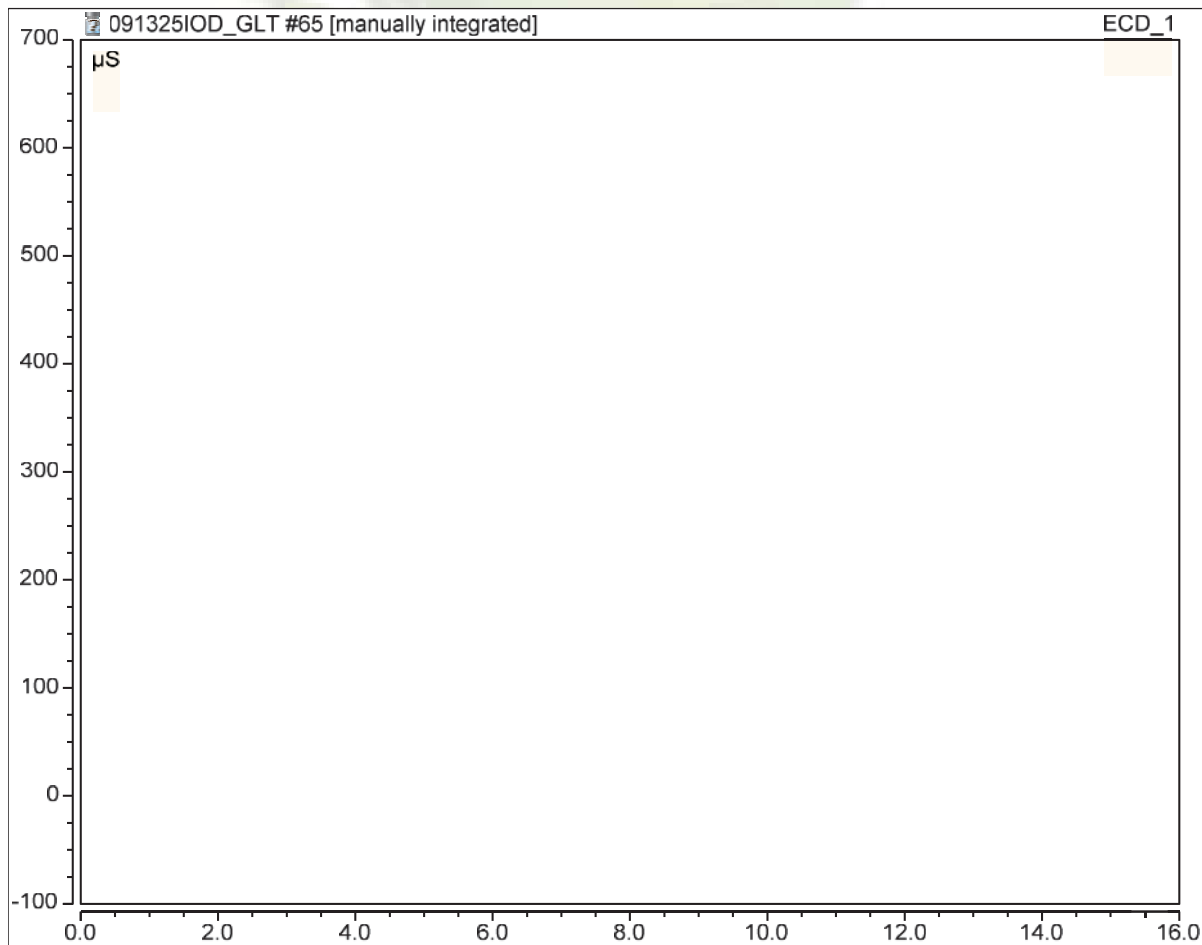
25L4060B551 B05: 1			
Sample Name:	25L4060B551B05: 1	Injection Volume (uL):	02755
Vial Number:	BD8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 4_46	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r otHgR μS	nnyo
1	13.17	g dtto	0.0438	0.002	0.000	BMB



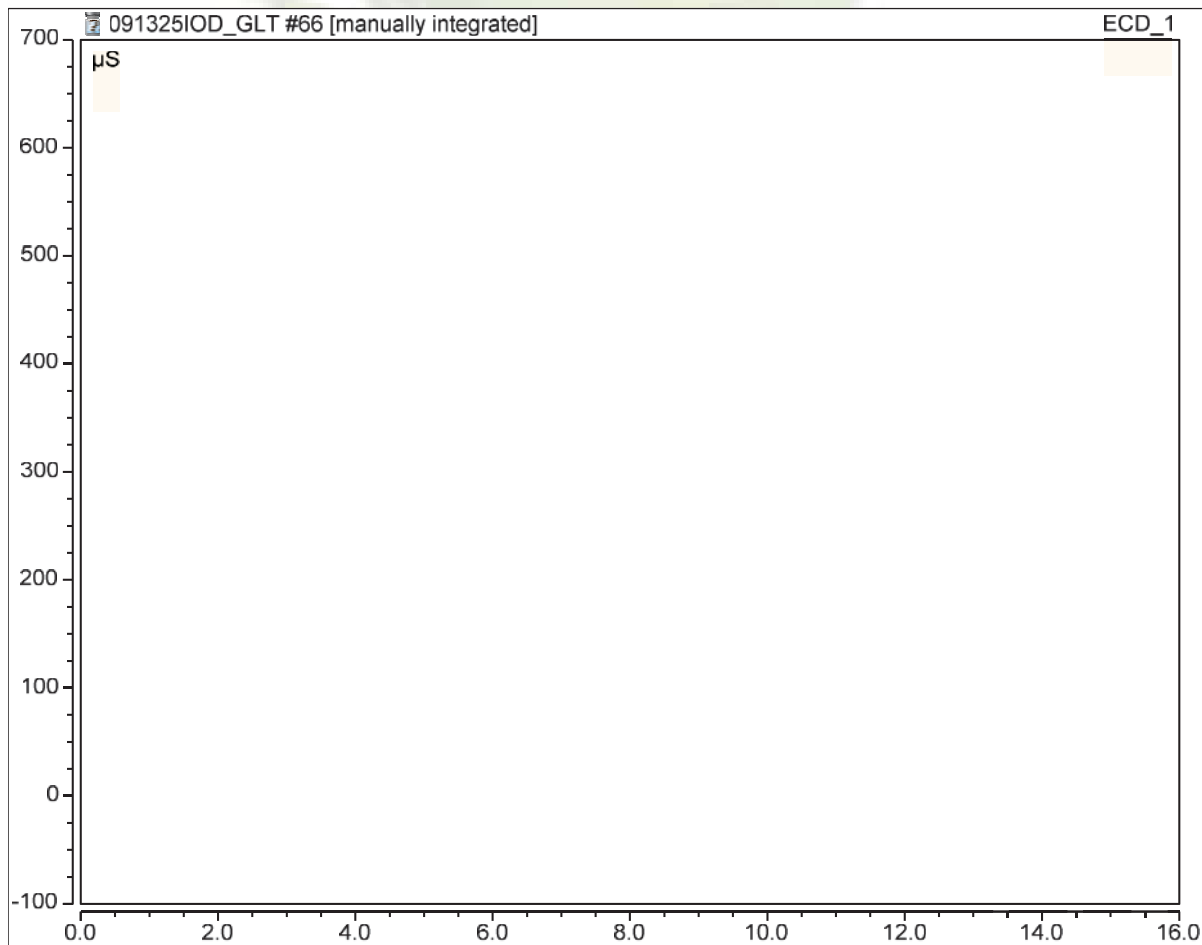
25L4060B552 B05: 1			
Sample Name:	25L4060B552B05: 1	Injection Volume (uL):	02755
Vial Number:	BE1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84402 4_ /64	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.19	g dtto	0.0142	0.001	0.000	BMB*



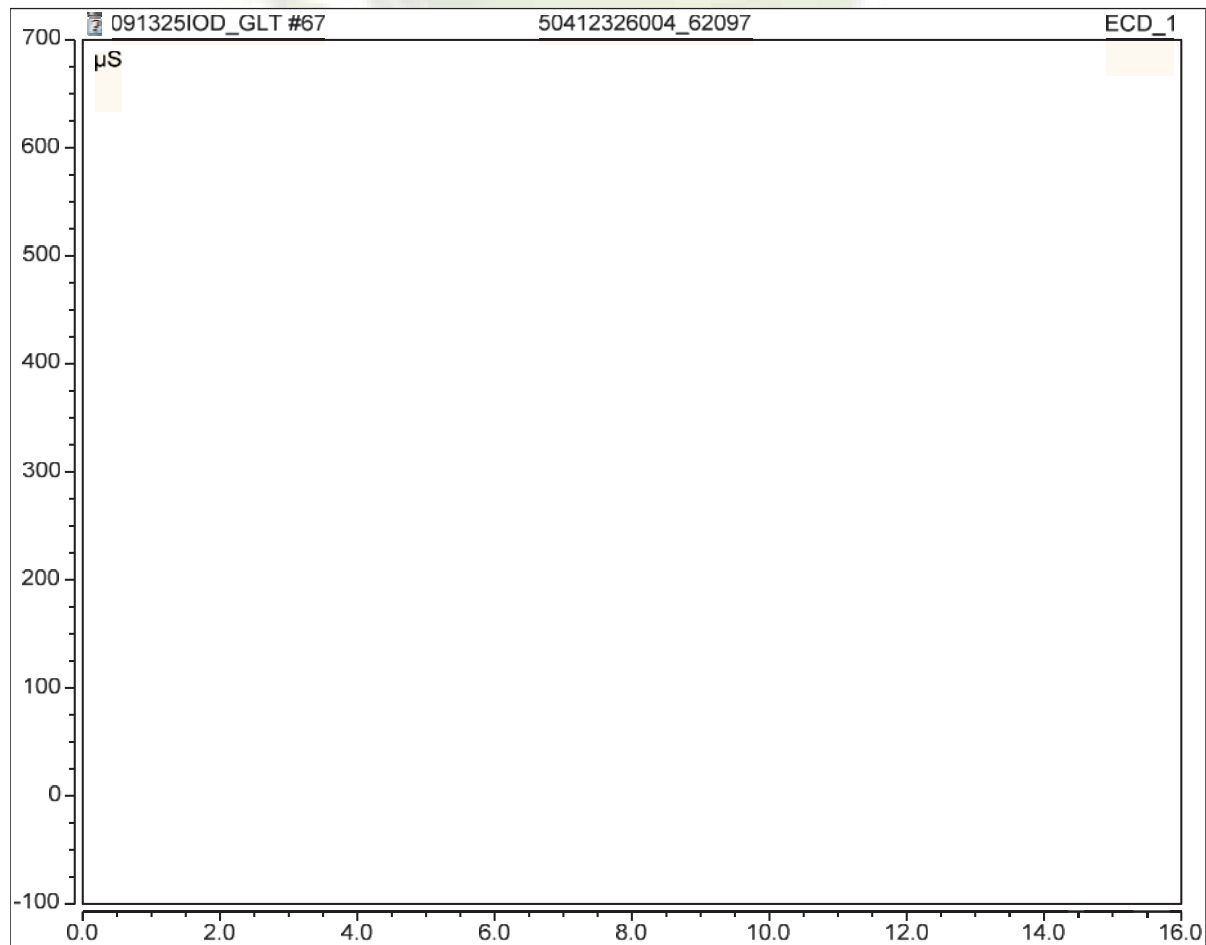
25L4060B556 B05: 1			
Sample Name:	25L4060B556B05: 1	Injection Volume (uL):	02755
Vial Number:	BE2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 4_/L:	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.42	g dtto	0.0262	0.001	0.005	BMB*



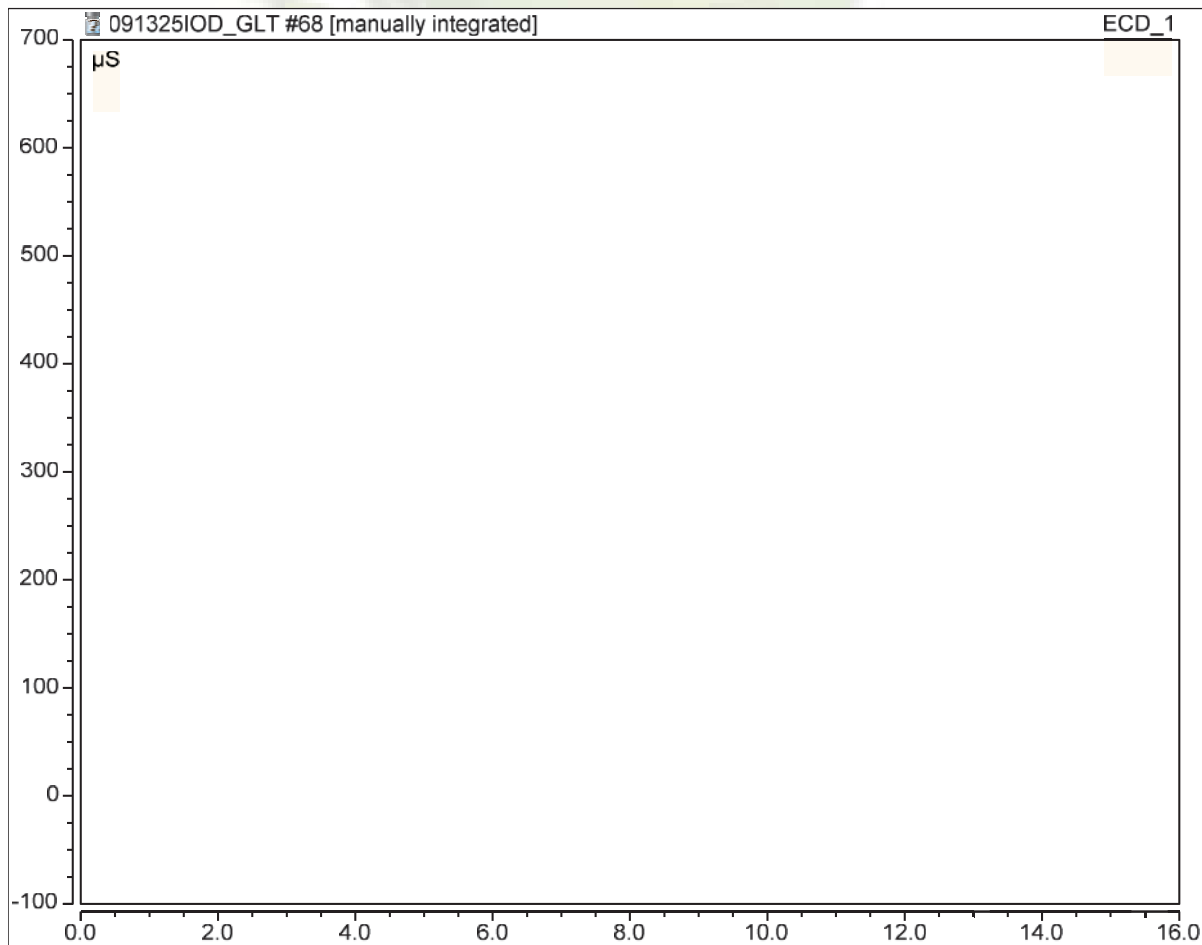
25L4060B55L B05: 1			
Sample Name:	25L4060B55LDB05: 1	Injection Volume (uL):	02755
Vial Number:	BE3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 4: /5_	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r otHgR μS	nnyo
1	13.39	g dtto	0.0370	0.002	0.005	BMB



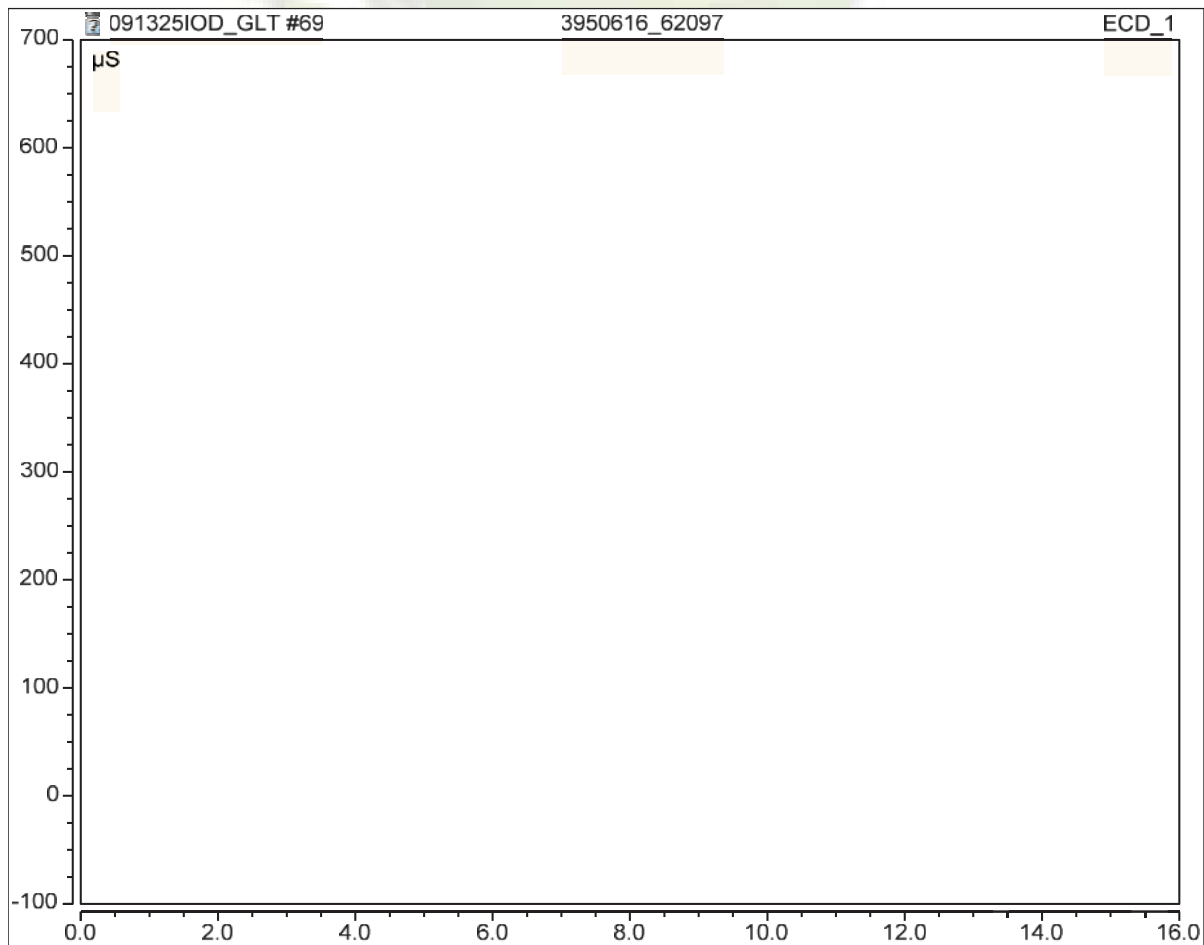
25L4060B550 B05: 1			
Sample Name:	25L4060B550B05: 1	Injection Volume (uL):	02755
Vial Number:	BE4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 4: /0B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.15	g dtto	0.0447	0.002	0.000	BMB*



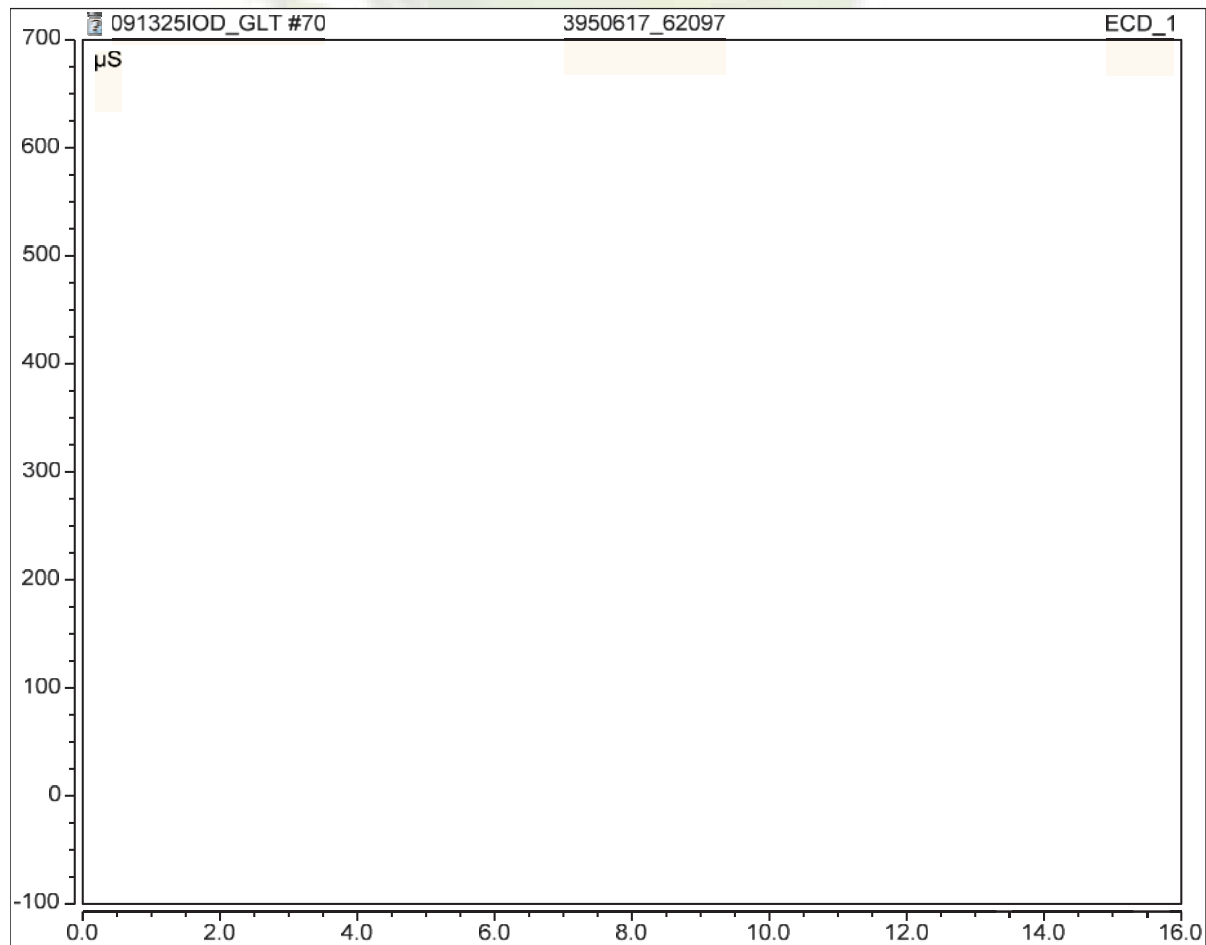
6: 25B4B B05: 1			
611B 5			
Sample Name:	6: 25B4B B05: 1	Injection Volume (uL):	02755
Vial Number:	BE5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 4: /LL	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.43	g dtto	5.0408	0.168	0.487	BMB



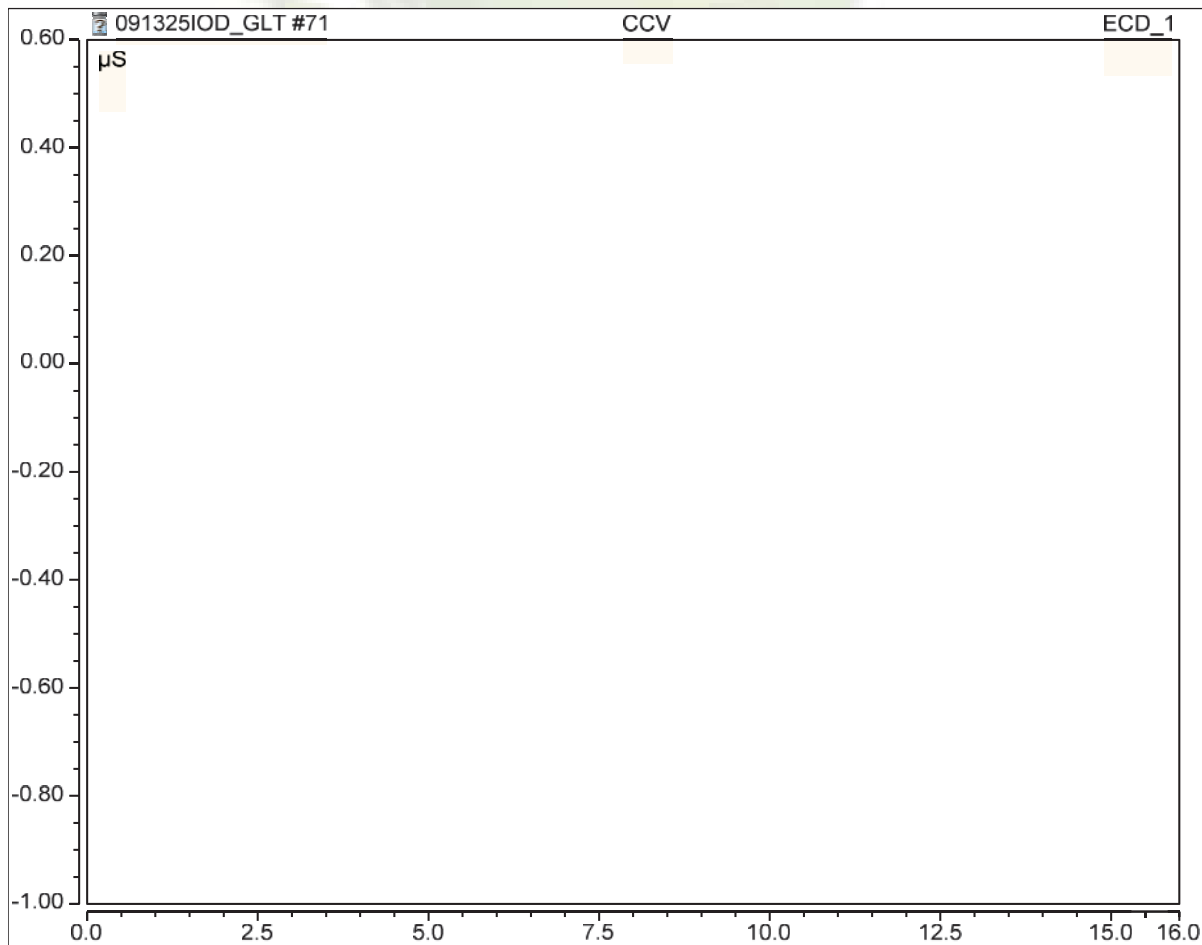
6: 25B41 B05: 1			
611B 5			
Sample Name:	6: 25B41B05: 1	Injection Volume (uL):	02755
Vial Number:	BE6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 05/56	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r otHgR μS	nnyo
1	13.44	g dtto	4.9791	0.166	0.480	BMB



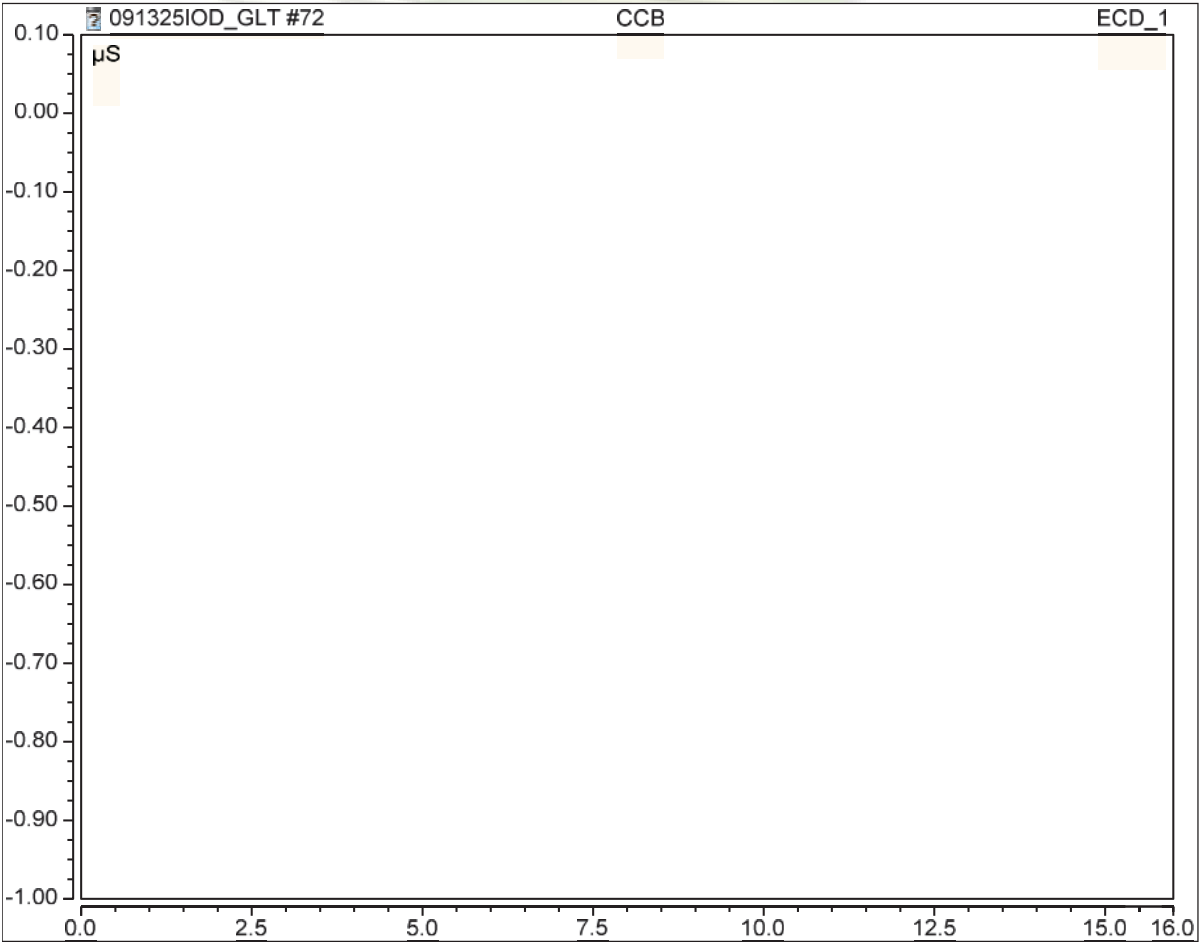
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 05/04	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.42	g dtto	0.8982	0.030	0.088	BMB



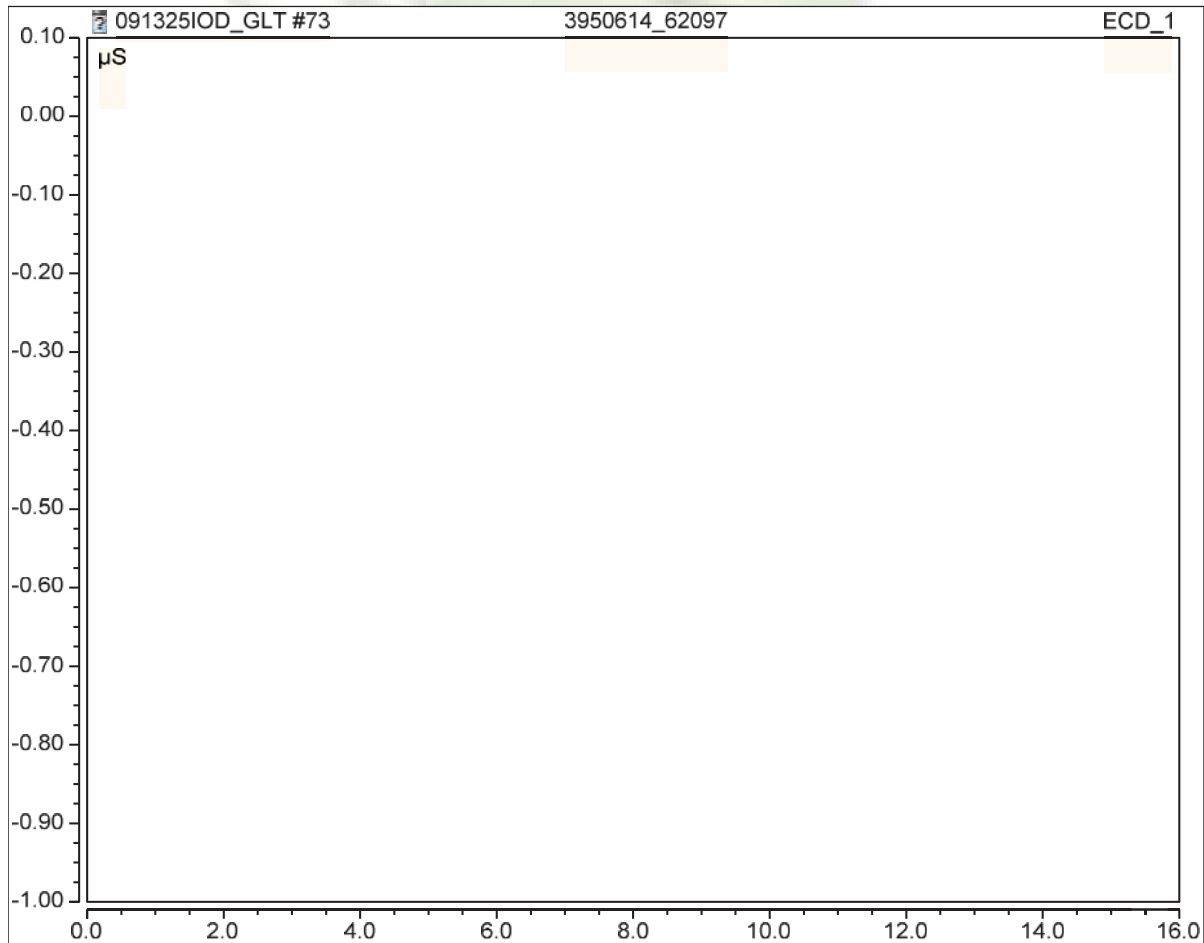
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 05/6:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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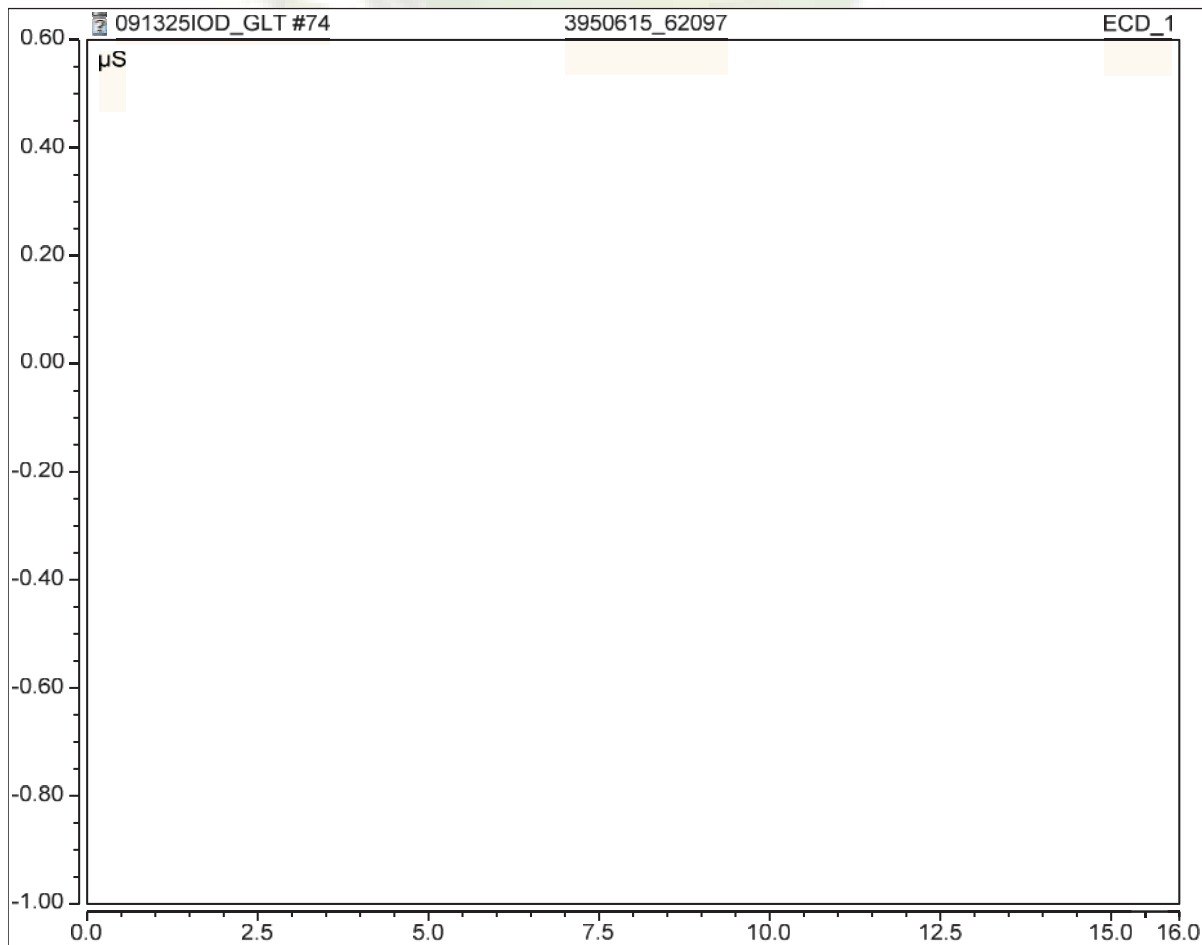
6: 25B4L B05: 1			
6L5444			
Sample Name:	6: 25B4LB05: 1	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 05/21	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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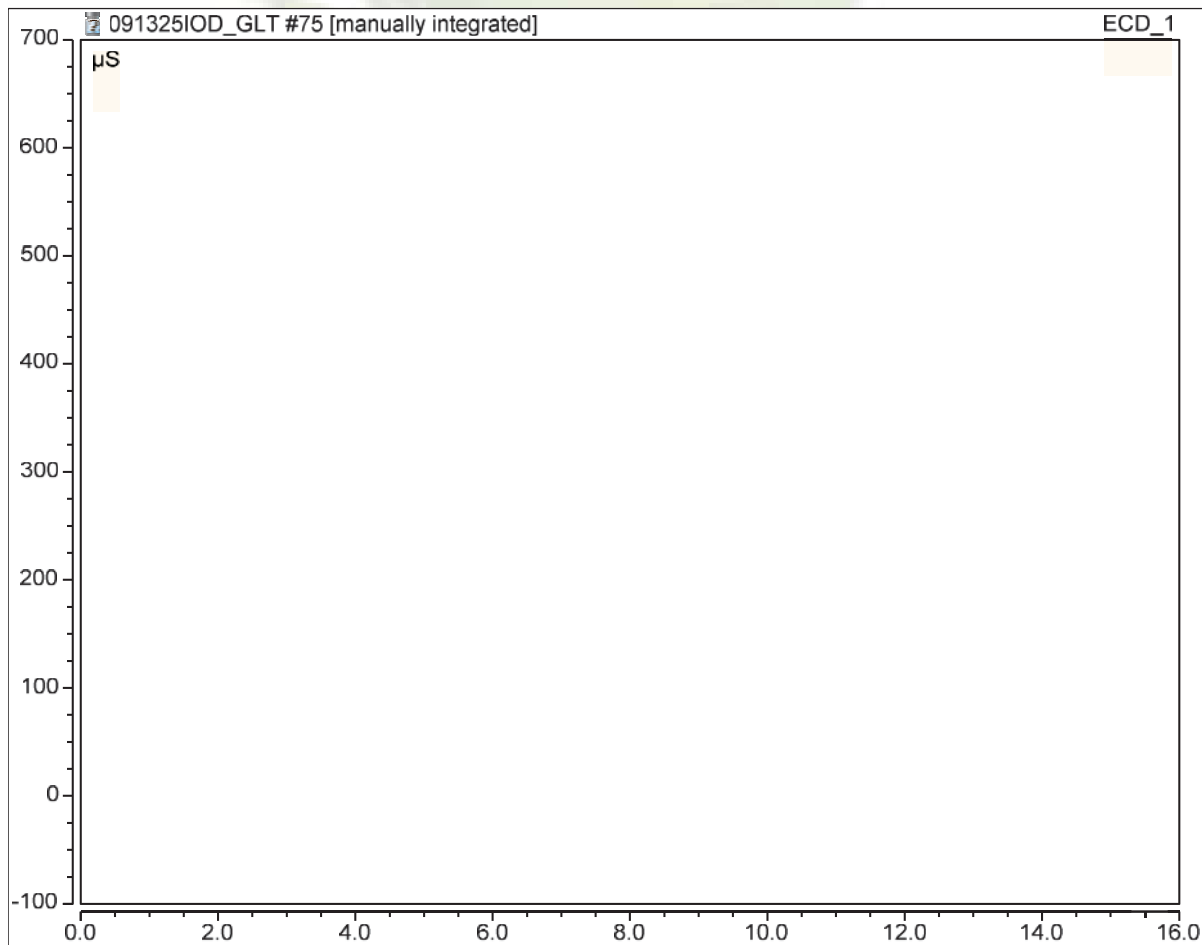
6: 25B42 B05: 1			
611B 5			
Sample Name:	6: 25B42B05: 1	Injection Volume (uL):	02755
Vial Number:	B3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 04/4B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.39	g dtto	4.9972	0.166	0.475	BMB



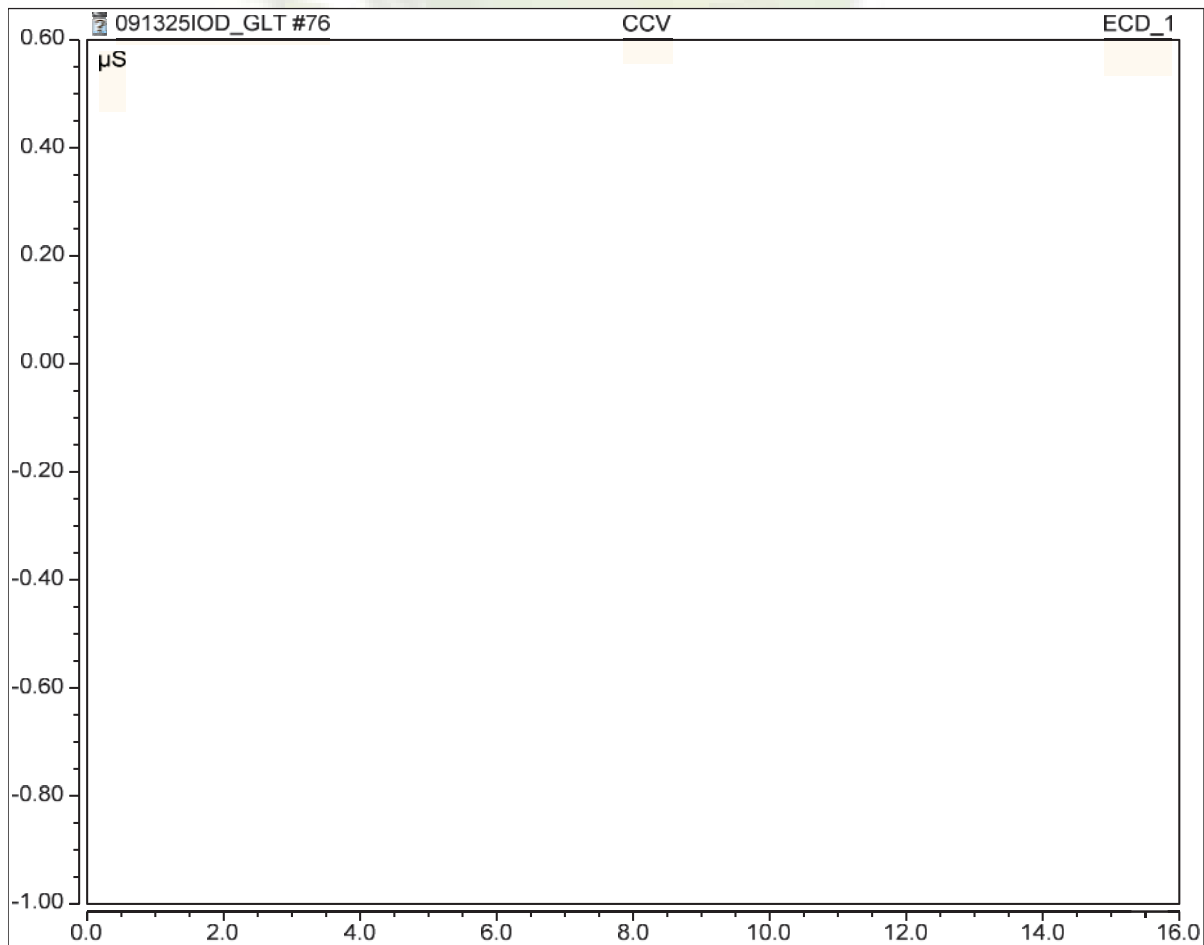
25L4060B554 B05: 1			
Sample Name:	25L4060B554B05: 1	Injection Volume (uL):	02755
Vial Number:	BE7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 04/6L	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.18	g dtto	0.0262	0.001	0.000	BMB*



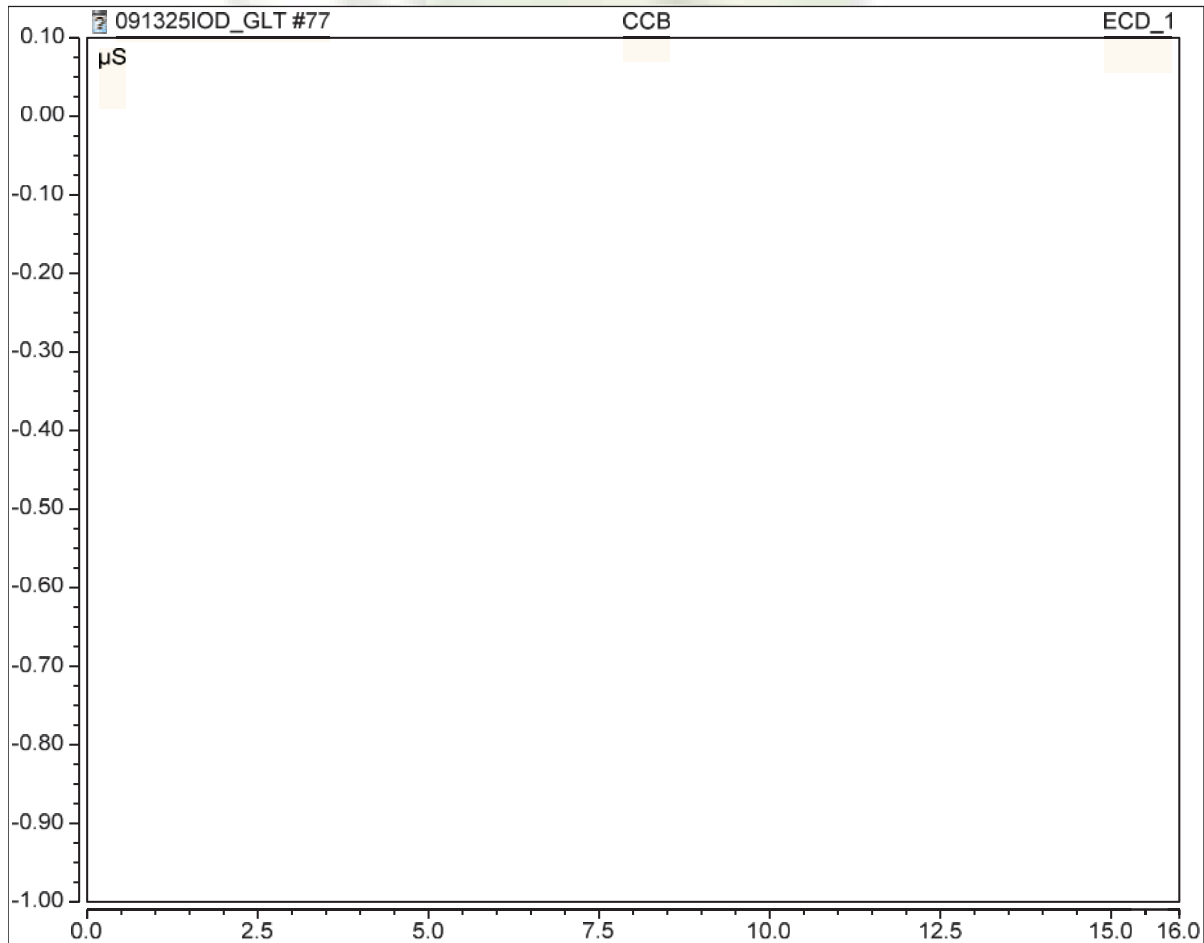
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 04/20	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.40	g dtto	0.9225	0.031	0.088	BMB



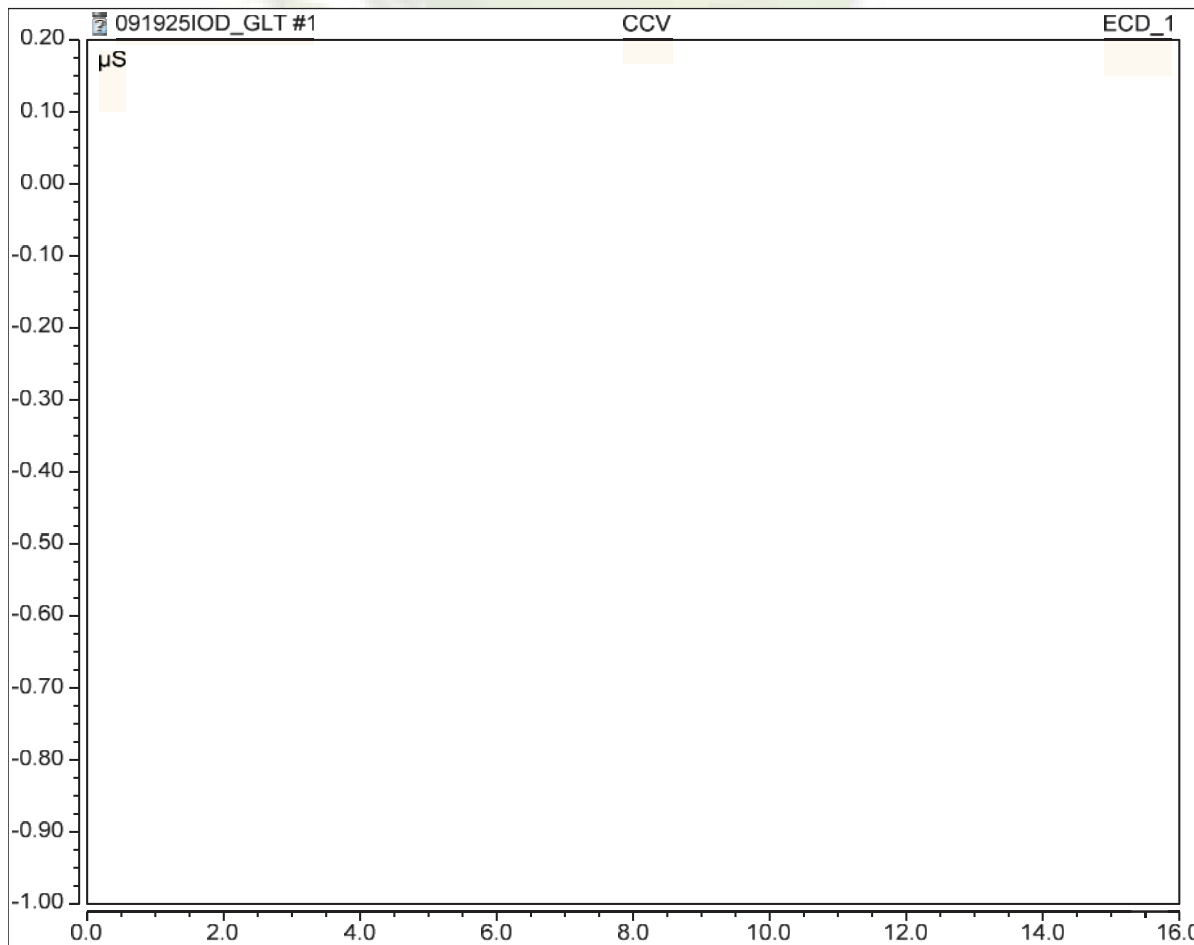
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 00/44	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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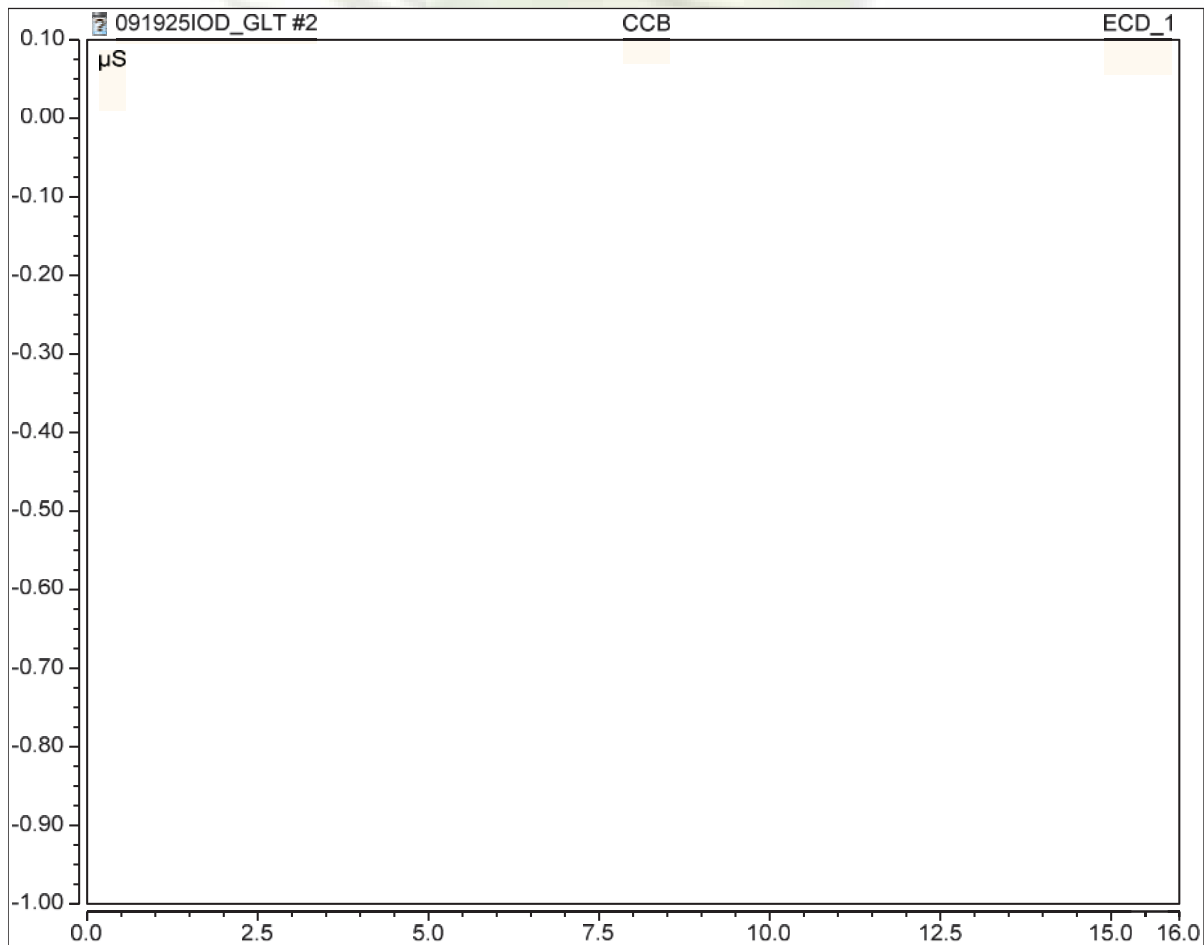
CCA			
L04112			
Sample Name:	CCA	Injection Volume (uL):	0.7511
Vial Number:	B2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 1_10L	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.67	63.4	0.5338	0.037	0.045	BMB



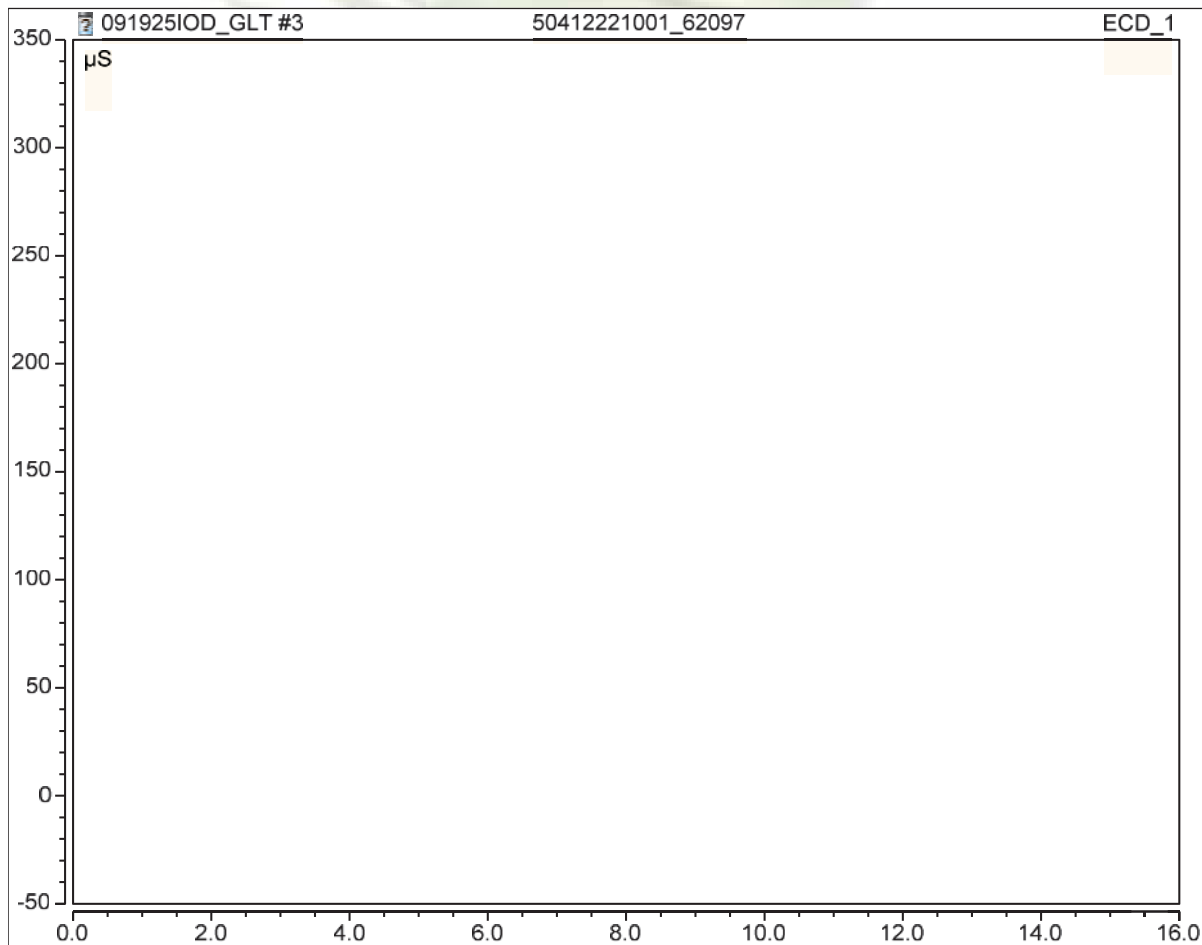
CCd			
VL1222			
Sample Name:	CCd	Injection Volume (uL):	07511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 1_/LL	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I n R t n N n dR	9 i n N	T n 3 n R o R 5 5	T a N i p S S n dR	u N r H o p S	t g h N
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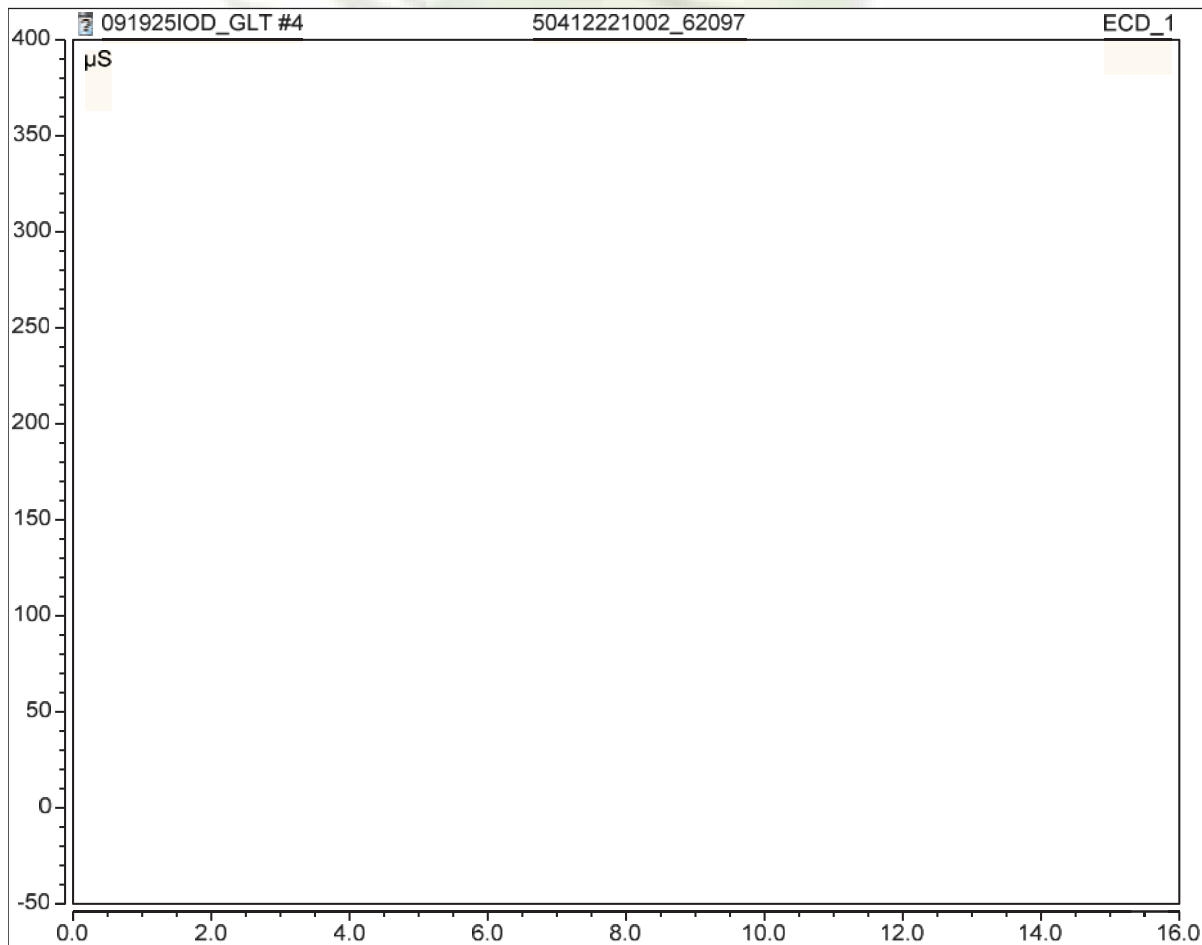
71L20002112 B014:			
Sample Name:	71L20002112DB014:	Injection Volume (uL):	07511
Vial Number:	GA6	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_822807 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14848107 14/1V	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I n d e x R t e n N n d R	9 i n N	T n 3 n R o R 5 5	T a N i p S S h d R	u N e r H o p S	t g h N
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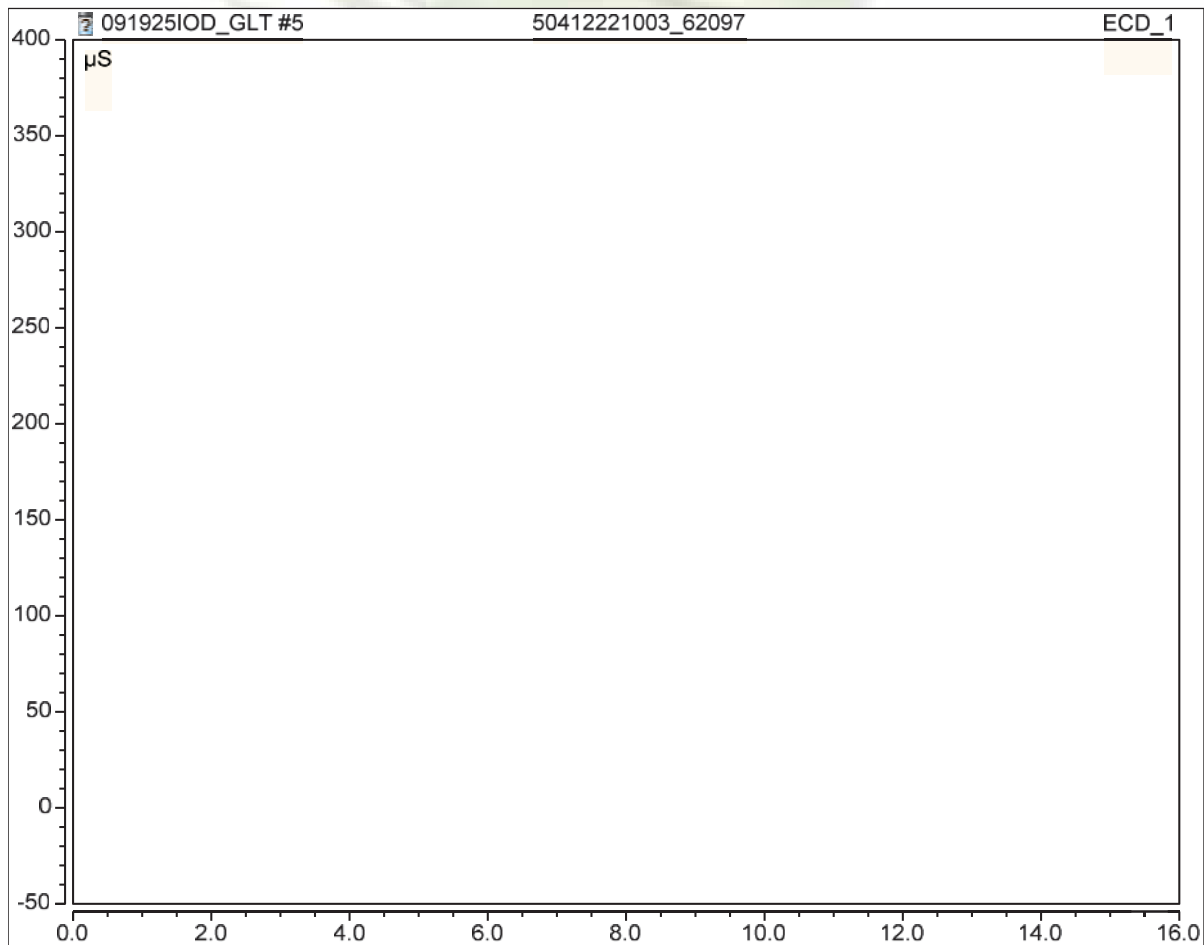
71L20002110 B014:			
Sample Name:	71L20002110B014:	Injection Volume (uL):	07511
Vial Number:	GA7	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 14/00	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I n R t n N n dR	9 i n N	T n 3 n R o R 5 5	T a N p S n dR	u N r H o p S	t g h N
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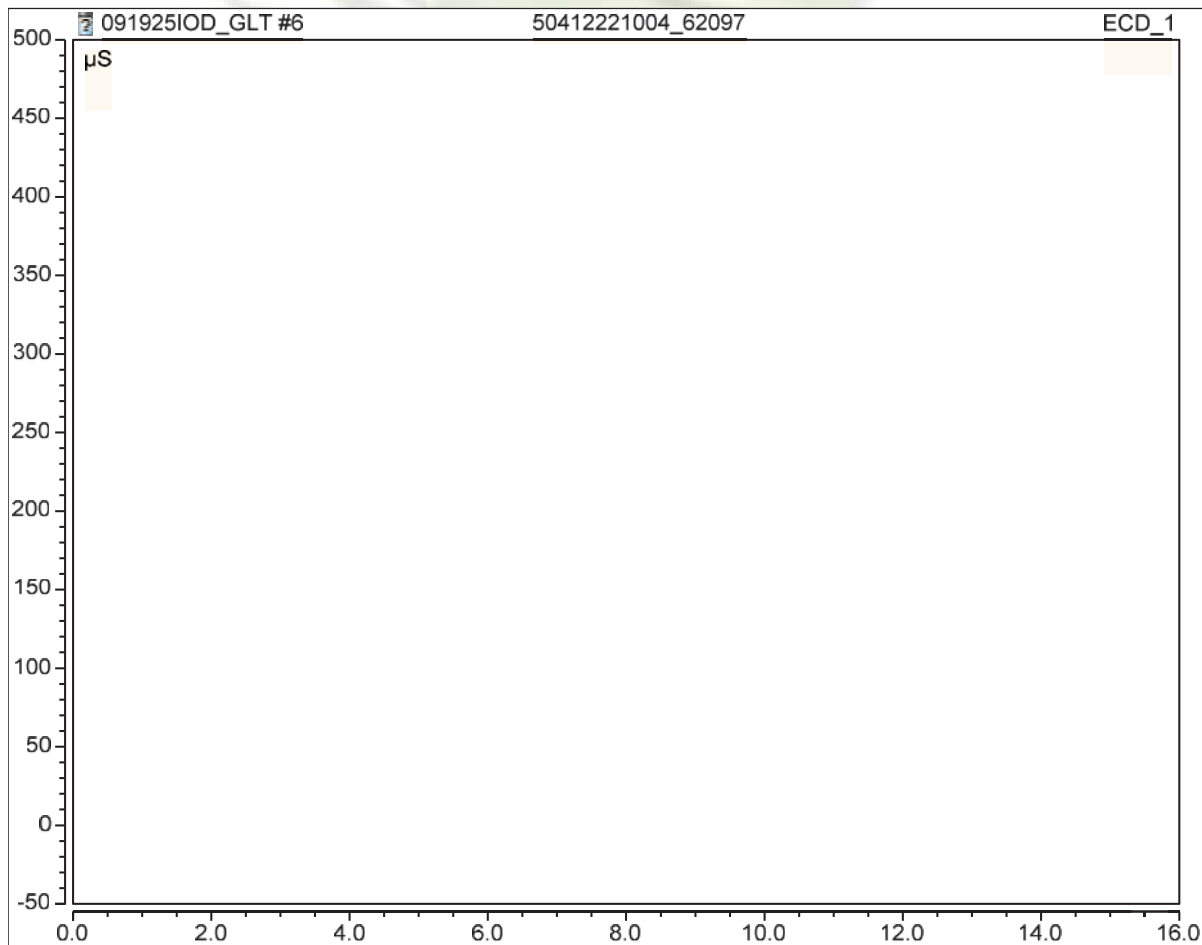
71L2000211V B014:			
Sample Name:	71L2000211V B014:	Injection Volume (uL):	0.7511
Vial Number:	GA8	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 14/L1	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION



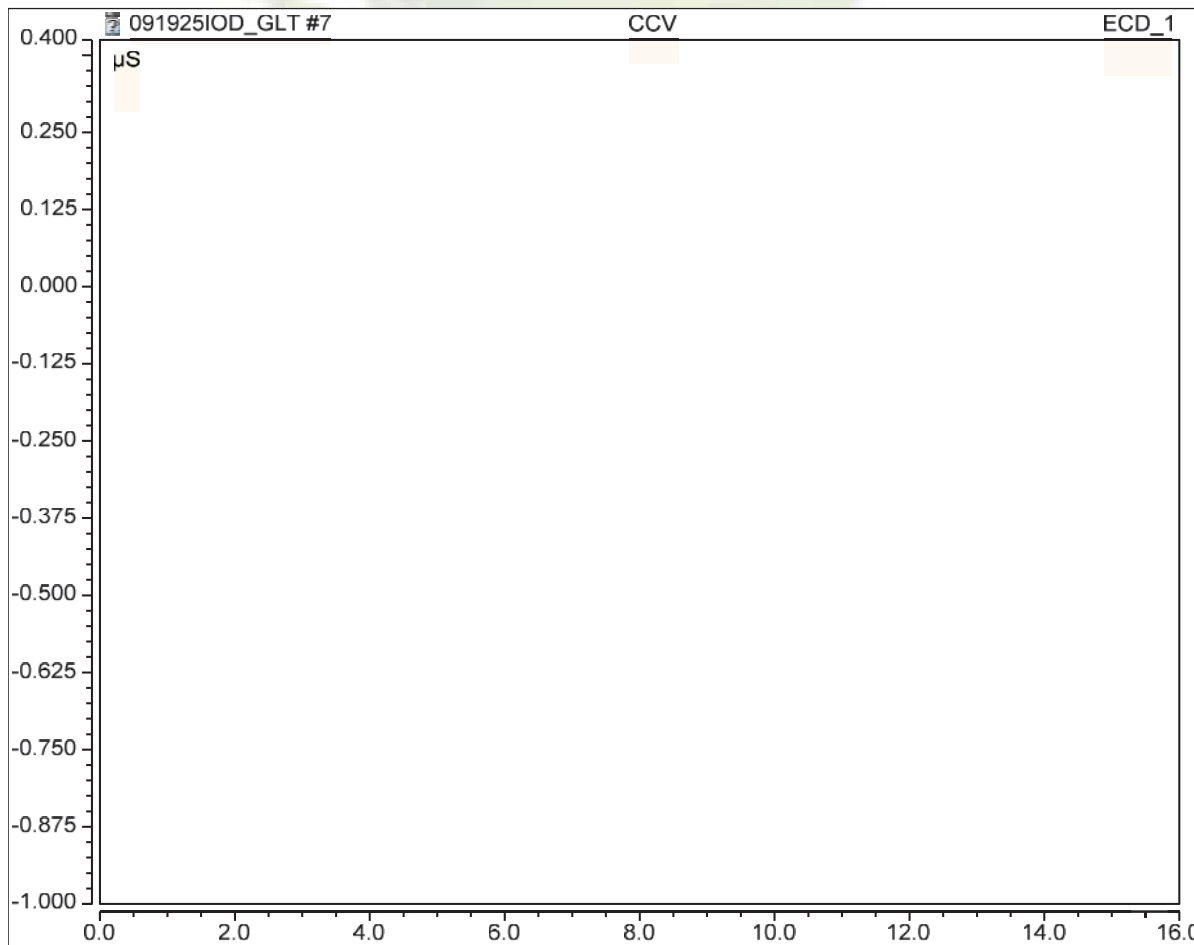
71L2000211L B014:			
Sample Name:	71L2000211LB014:	Injection Volume (uL):	07511
Vial Number:	GB1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 14/7_	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I n d e x	9 i n N	T n 3 n R o	T a N	u N e H o	t g h N
	n d R		R 5 5	p S S h d R	p S	



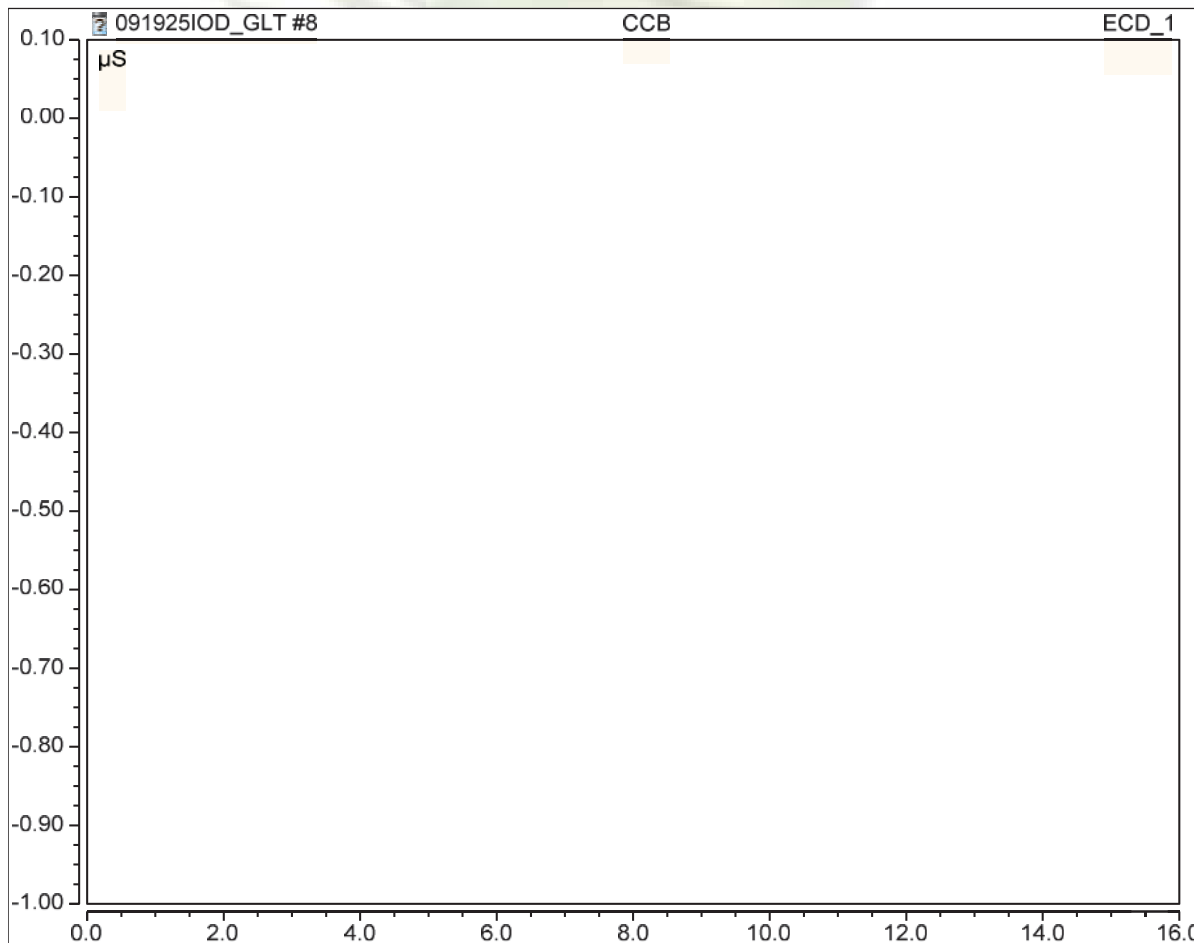
CCA			
L04112			
Sample Name:	CCA	Injection Volume (uL):	07511
Vial Number:	B2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 21/2:	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o R t e n N n d R	9 i n N	T n 3 n R o n r 8 y	T a N i p S S n d R	u N e H o p S	t g h N
1	13.67	63* d N	0.5798	0.031	0.045	BMB



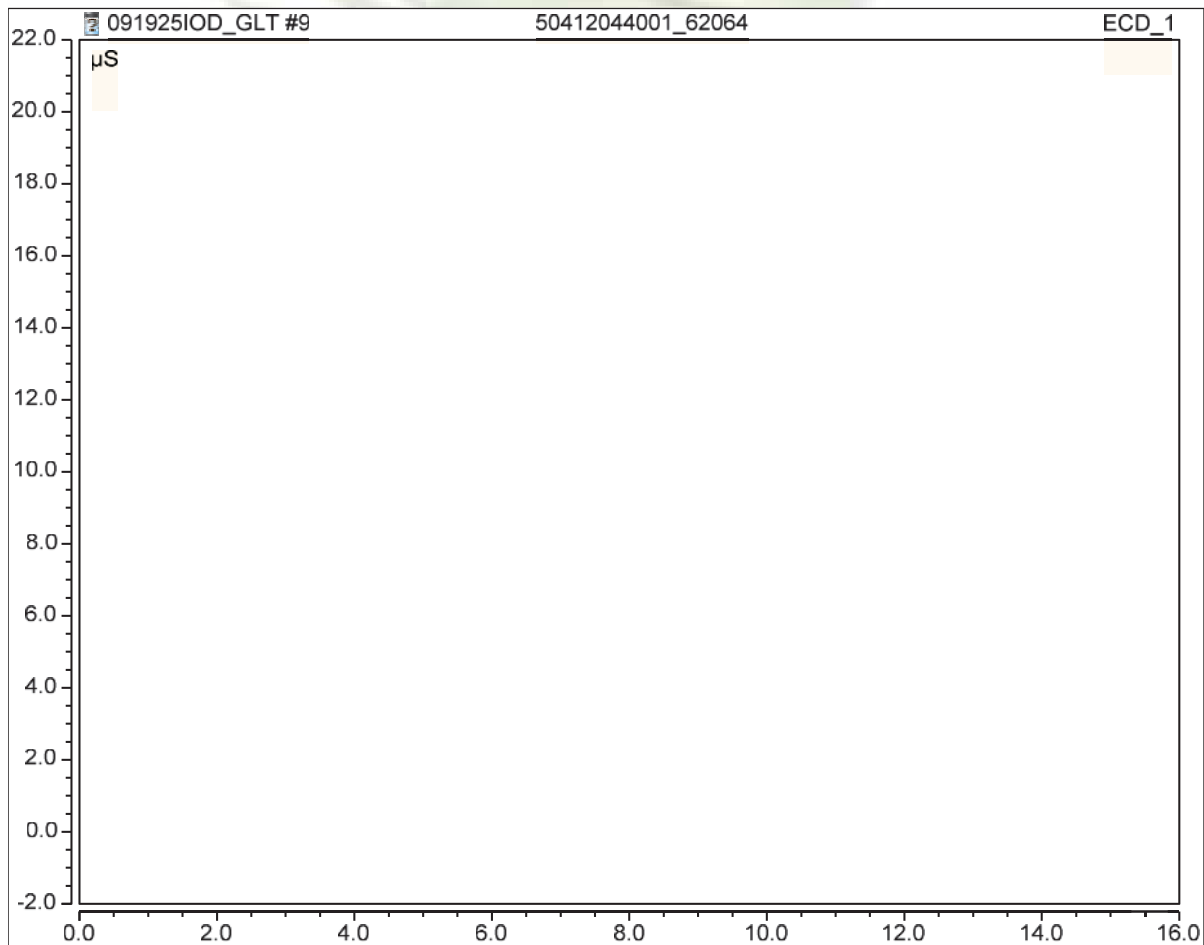
CCd			
VL1222			
Sample Name:	CCd	Injection Volume (uL):	0.7511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14:40:10 21/V7	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INSTRUMENT	9111	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT
	INSTRUMENT		INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT



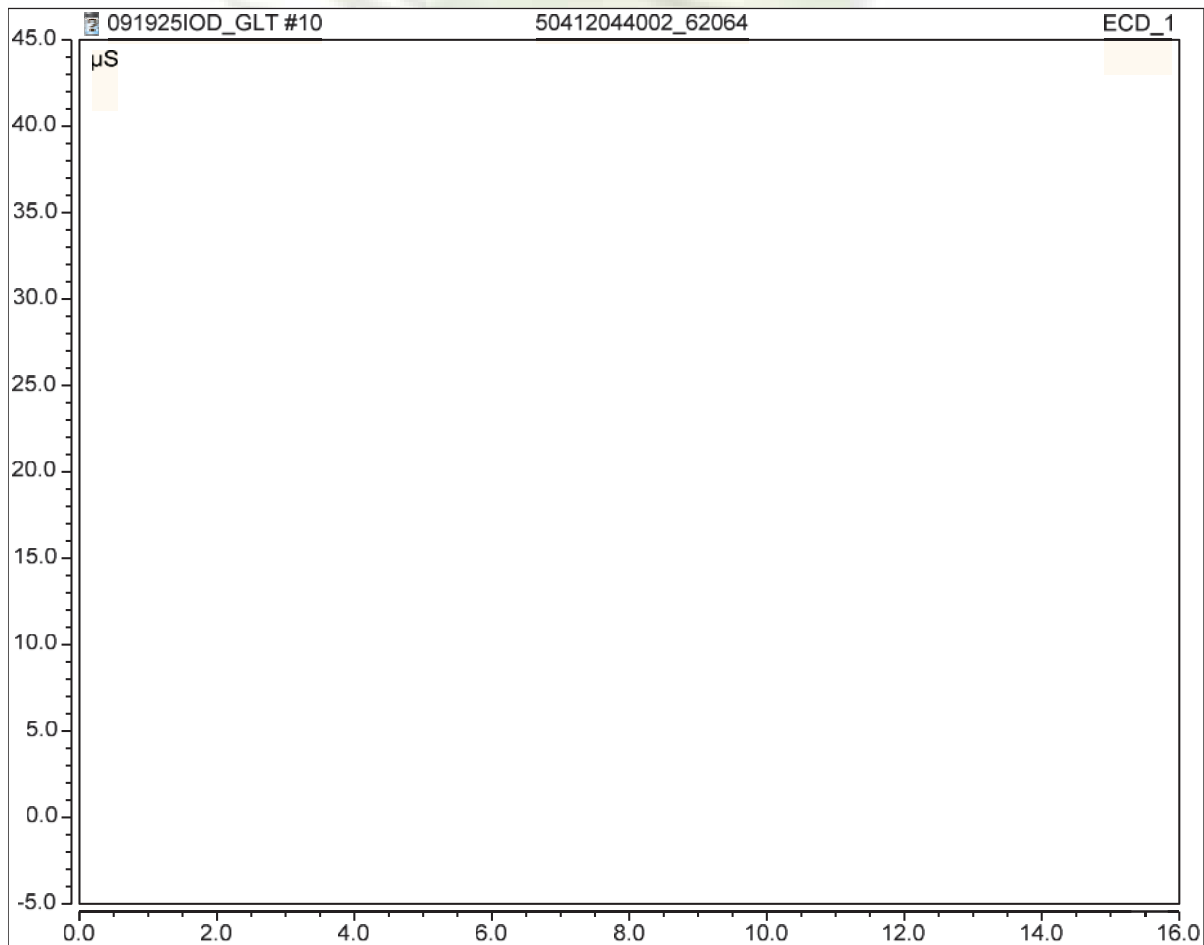
71L201LL112 B01BL			
Sample Name:	71L201LL112B01BL	Injection Volume (uL):	0.751
Vial Number:	GA1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14:40:10 21/7V	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION



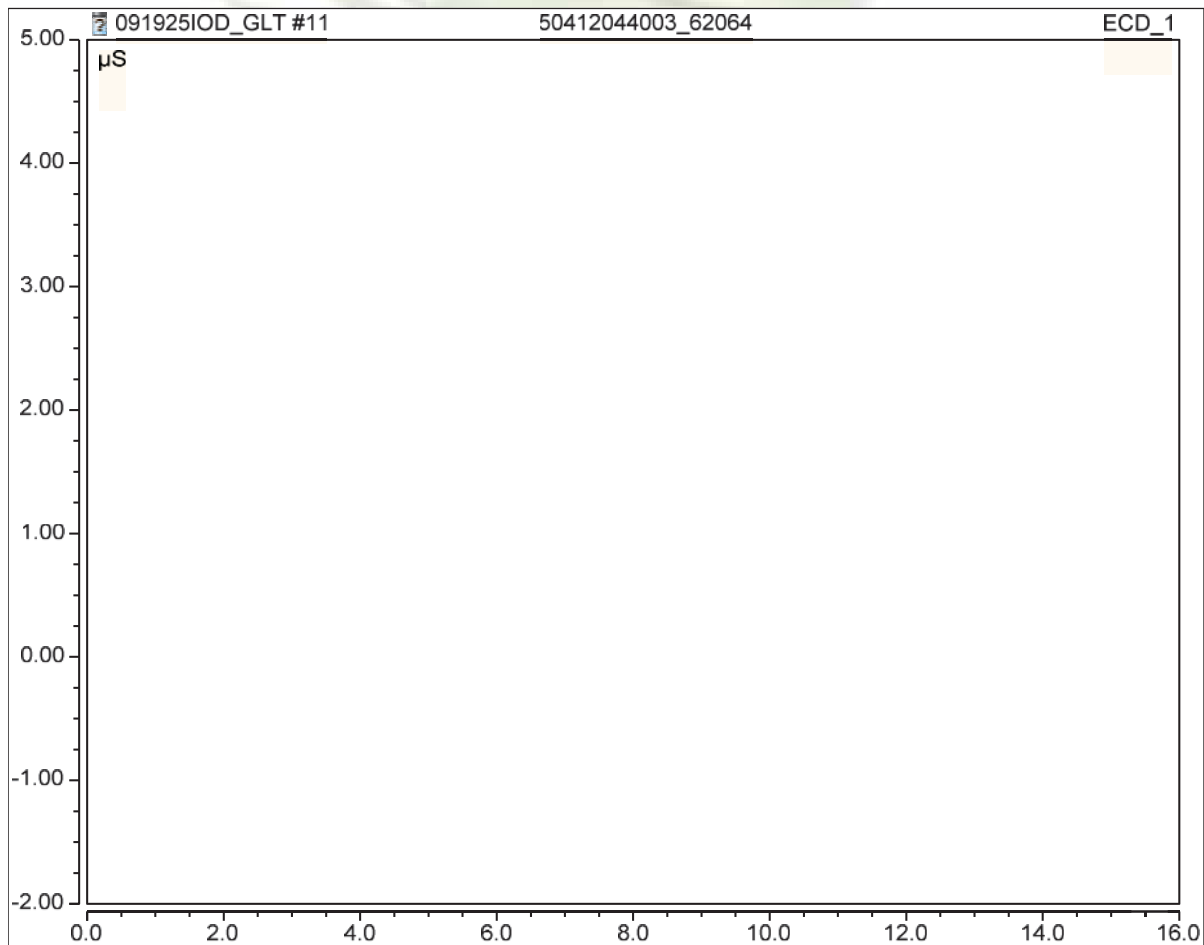
71L201LL110 B01BL			
Sample Name:	71L201LL110B01BL	Injection Volume (uL):	0.7511
Vial Number:	GA2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 22/20	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION



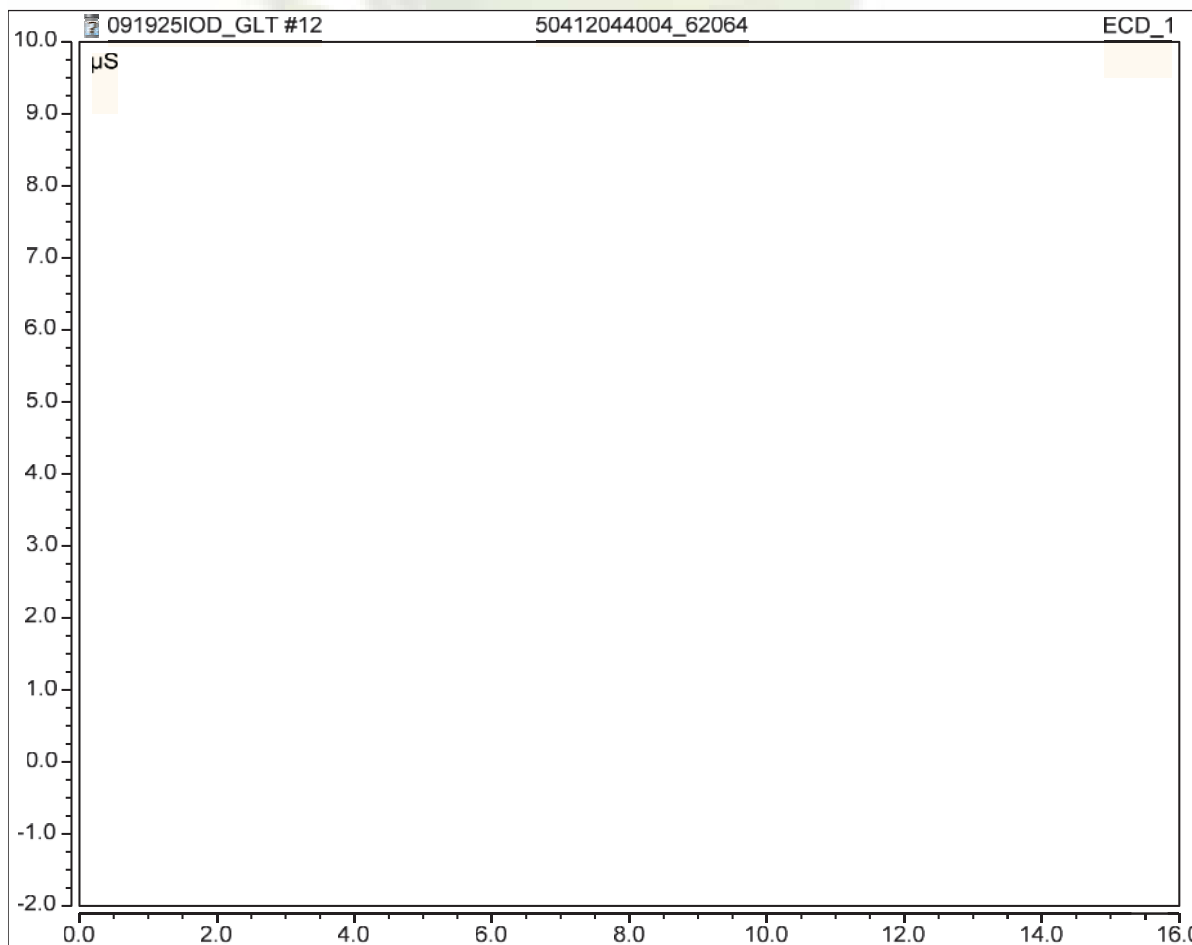
71L201LL11V B01BL			
Sample Name:	71L201LL11V B01BL	Injection Volume (uL):	0.7511
Vial Number:	GA3	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 22/V1	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	ION Chromatogram	Injection	Retention Time	Peak Number	Concentration	Area
	n dR	n N	R 5	pS	pS	ghN



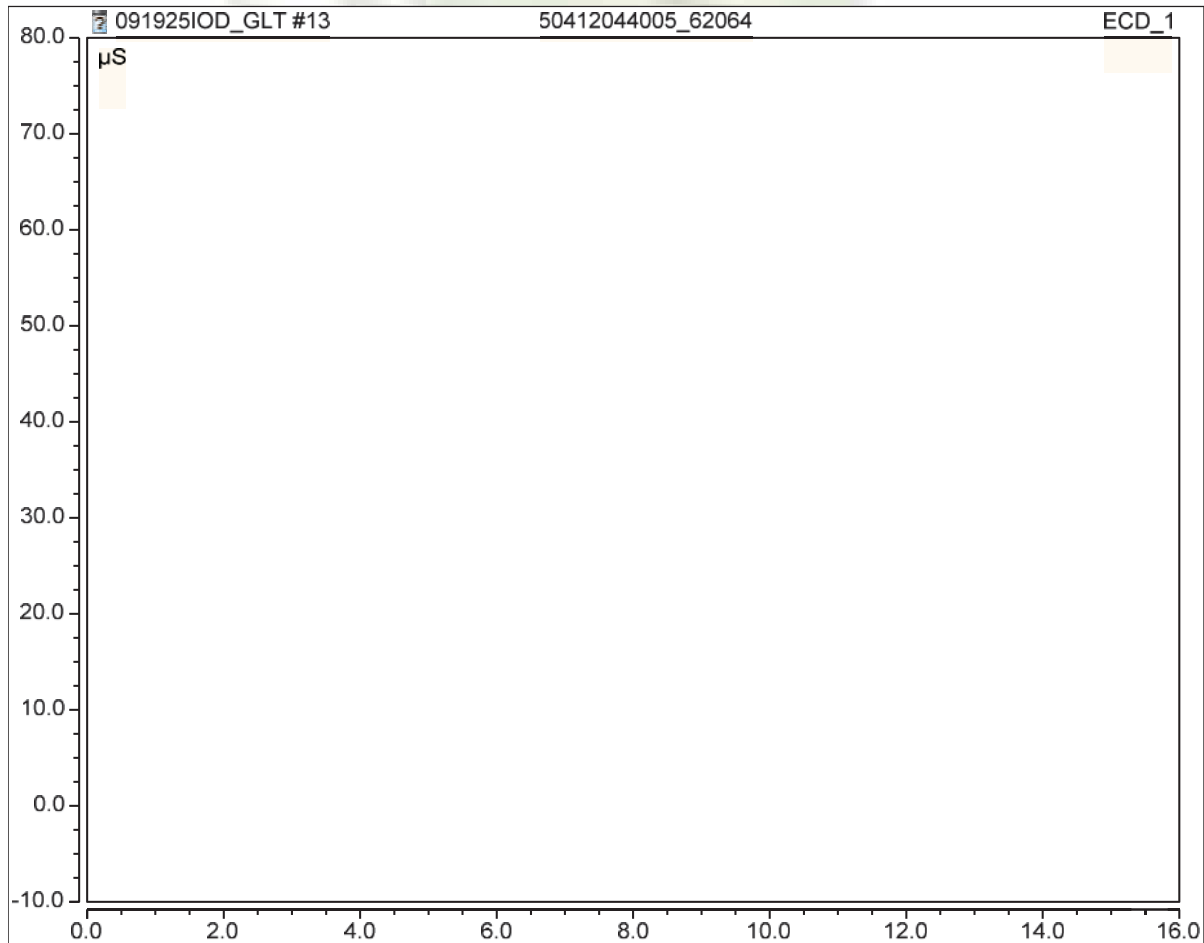
71L201LL11L B01BL			
Sample Name:	71L201LL11LB01BL	Injection Volume (uL):	07511
Vial Number:	GA4	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 22/L_	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I N d R o s R t e n N n e R	9 i n N	T n 3 n R o n r 8 y	T a N i p S S n e R	u N e H o p S	t g h N
1	13.35	63* e N	0.0331	0.007	0.006	BMB



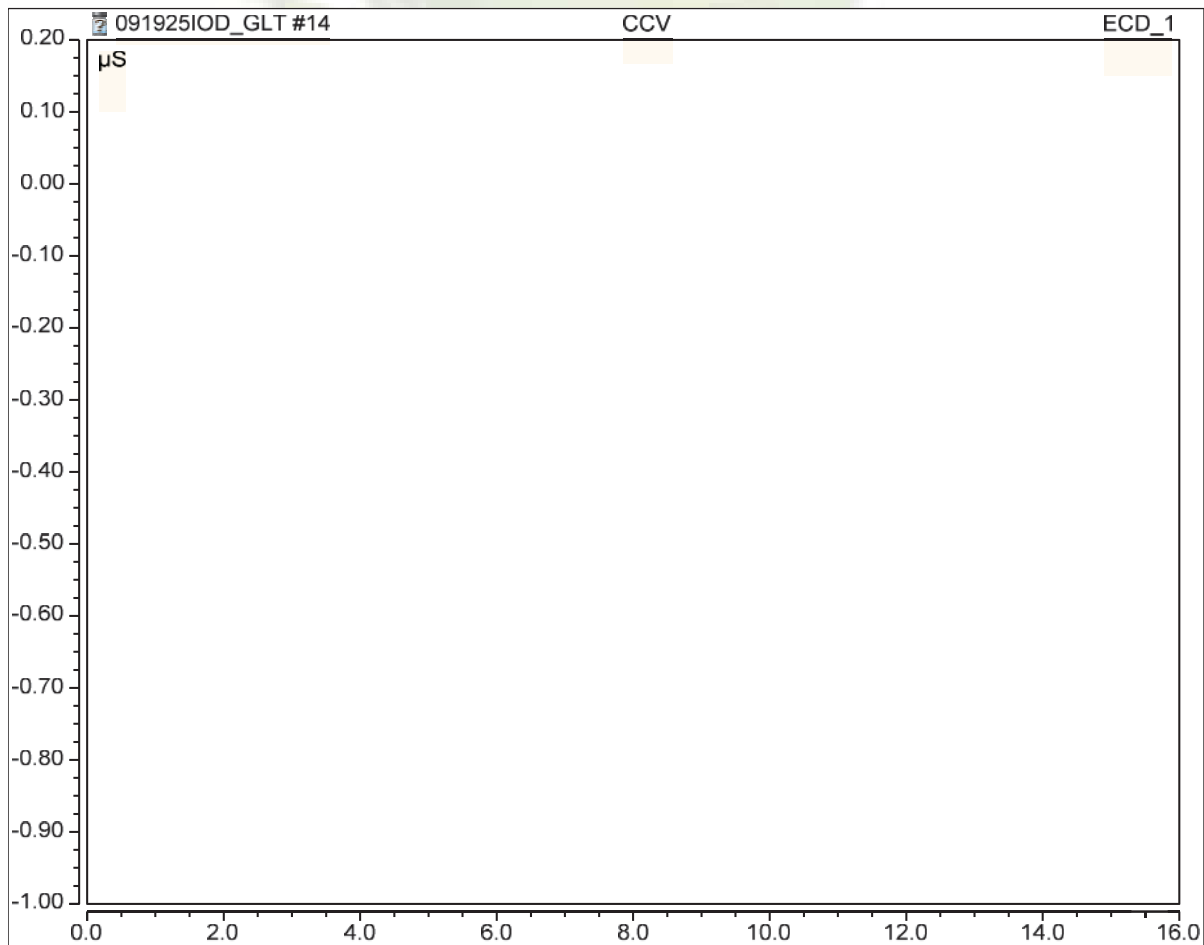
71L201LL117 B01BL			
Sample Name:	71L201LL117DB01BL	Injection Volume (uL):	07511
Vial Number:	GA5	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_822807 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14848107 20/1:	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I N d R e t e n n e R	9 i n N	T n 3 n R o R 5 5	T a N p S S n e R	u N e H o p S	t g h N
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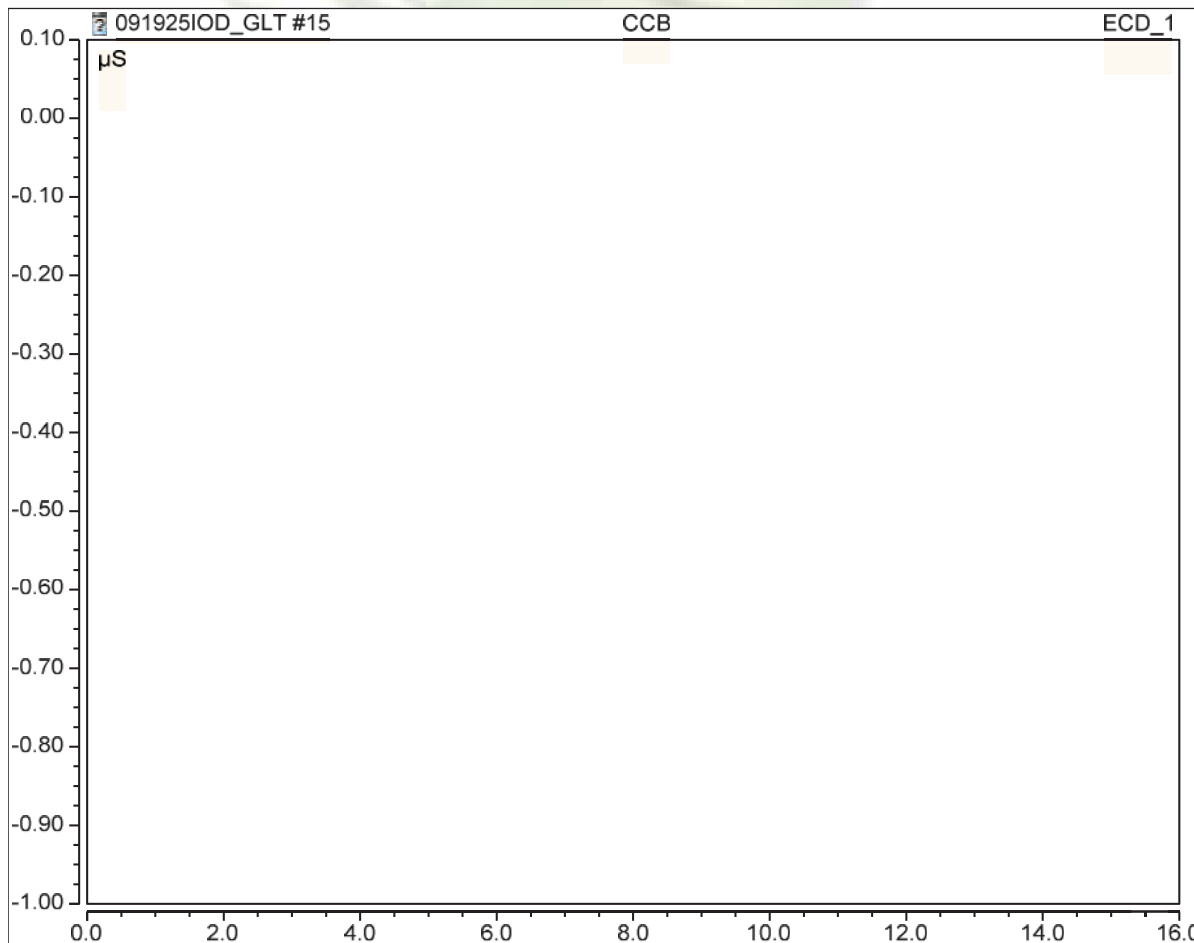
CCA			
L04112			
Sample Name:	CCA	Injection Volume (uL):	07511
Vial Number:	B2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 20/07	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o s R t e n N n e R	9 i n N	T n 3 n R o n r 8 y	T a N i p S S n e R	u N e H o p S	t g h N
1	13.66	63* e N	0.5035	0.031	0.045	BMB



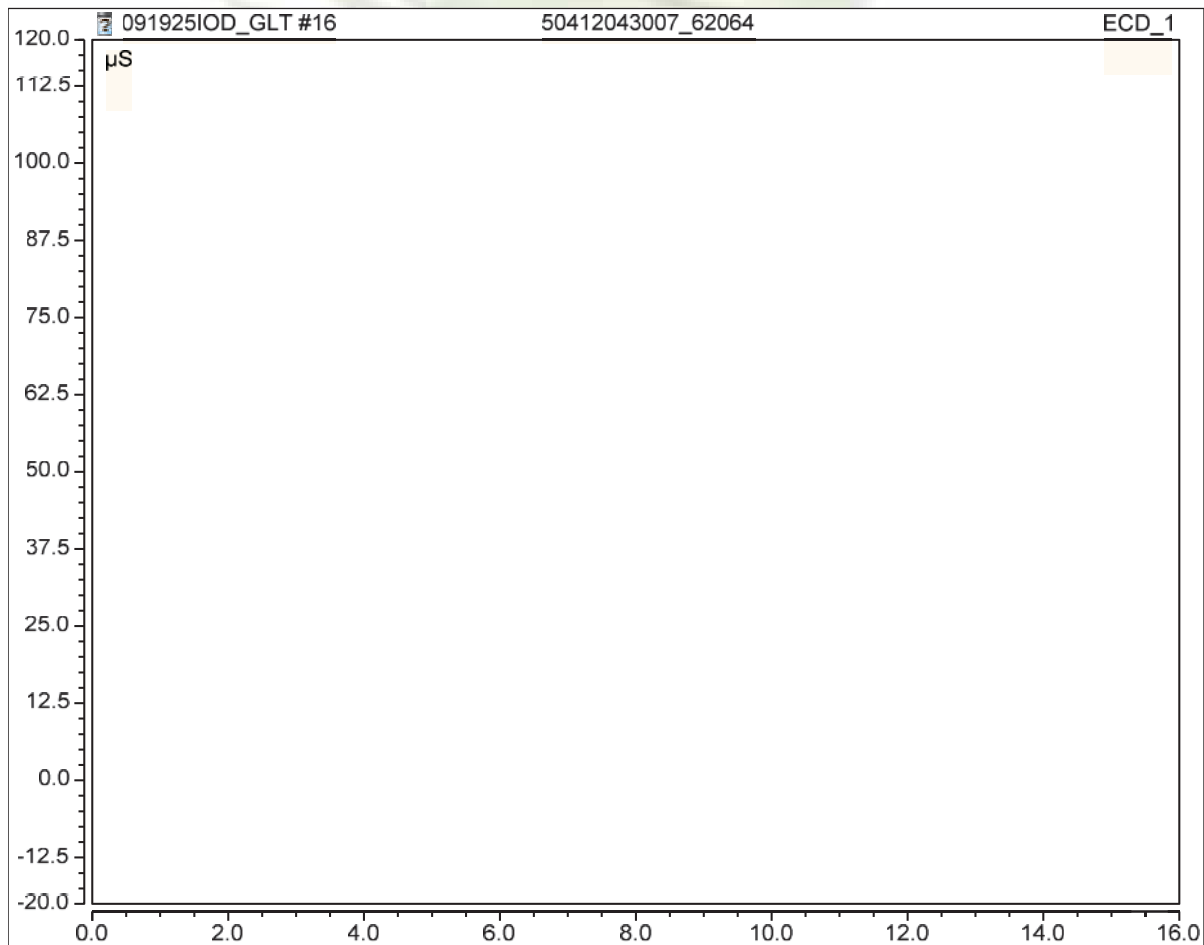
CCd VL1222			
Sample Name:	CCd	Injection Volume (uL):	0.7511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14:40:10 7/20/LV	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INSTRUMENT	91111	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT
	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT



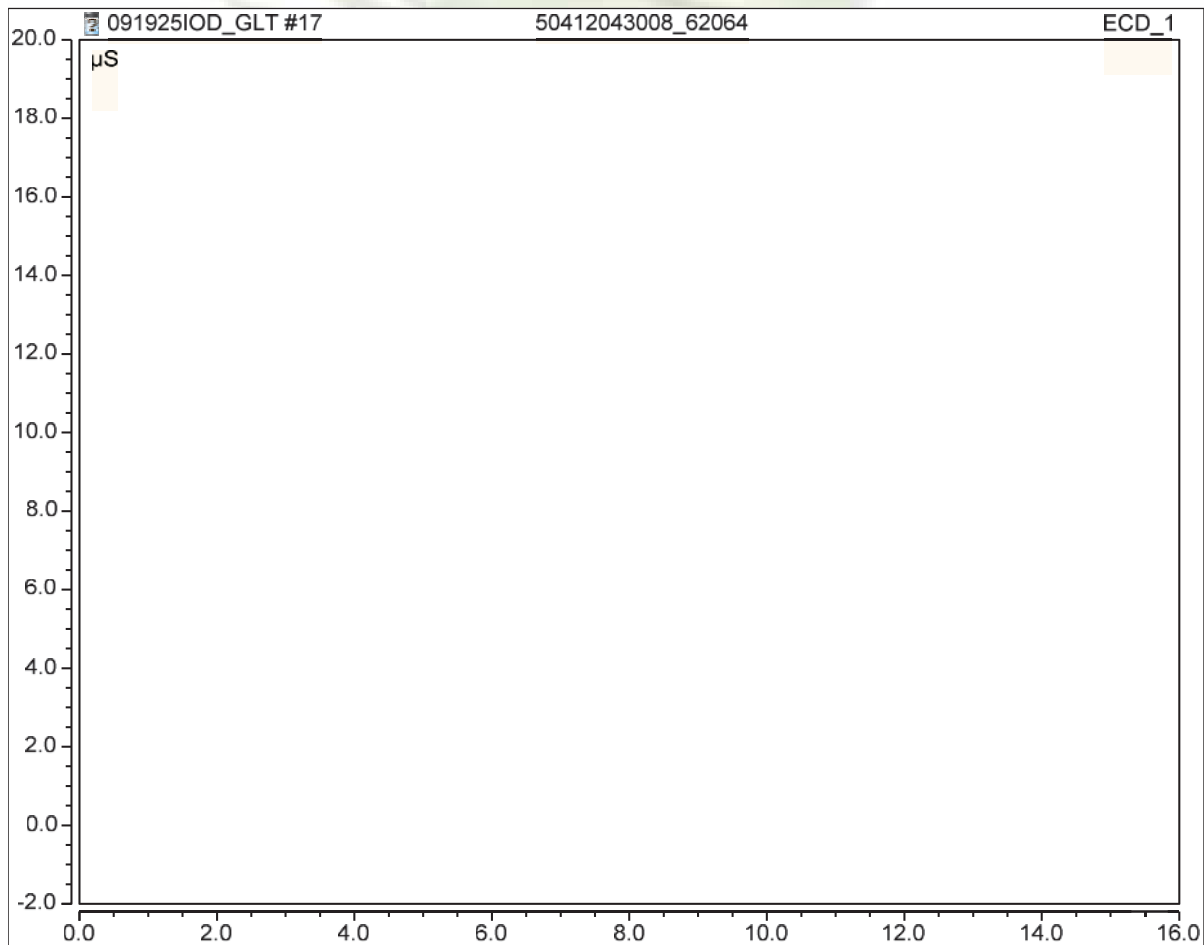
71L201LV11: B01BL			
Sample Name:	71L201LV11: DB01BL	Injection Volume (uL):	07511
Vial Number:	GB2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2V/12	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N R o R t a n N n dR	9 i n N	T n 3 n R o R 5 5	T a N i p S S h dR	u N a H o p S	t g h N
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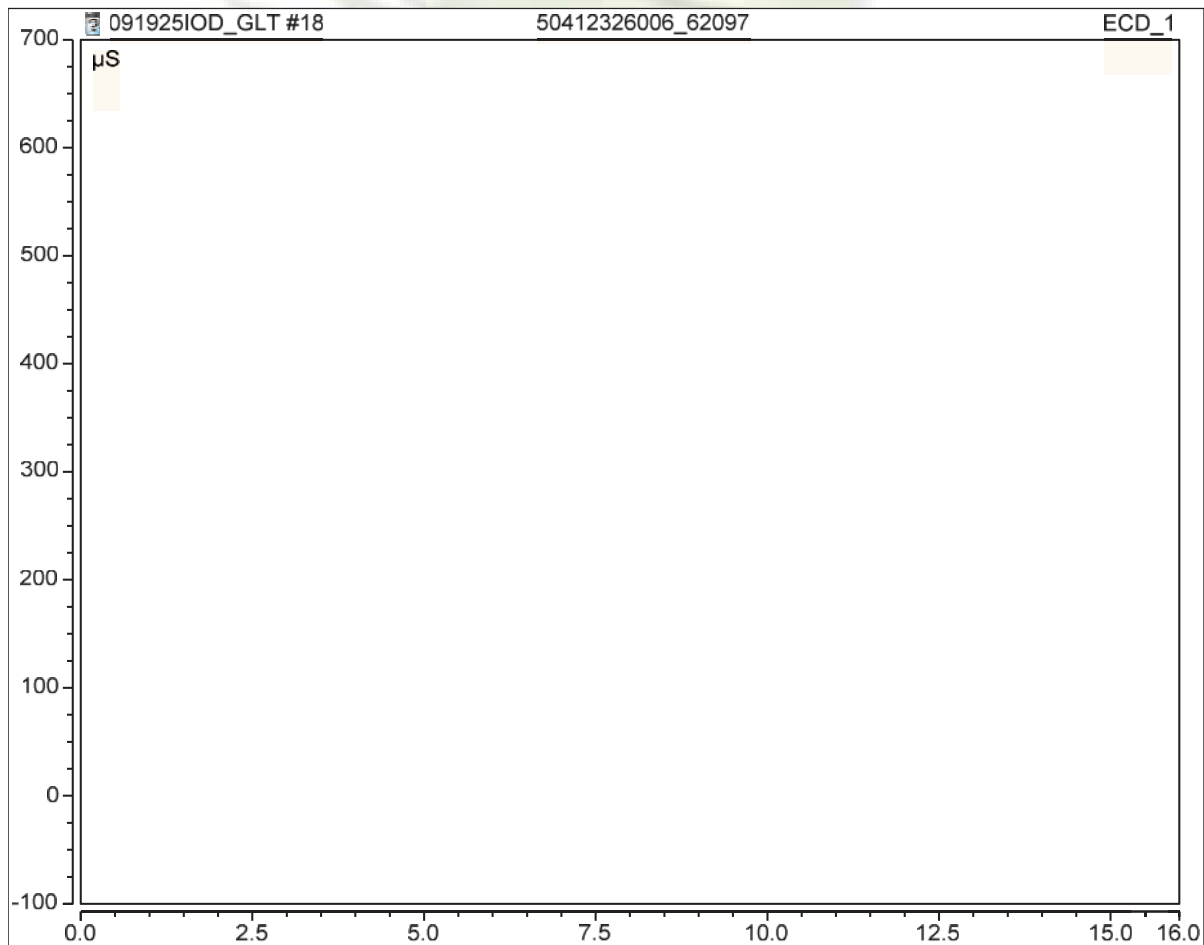
71L201LV11_ B01BL			
Sample Name:	71L201LV11_DB01BL	Injection Volume (uL):	07511
Vial Number:	GB3	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2V/01	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I n R t n N n dR	9 i n N	T n 3 n R o R 5 5	T a N p S S n dR	u N r H o p S	t g h N
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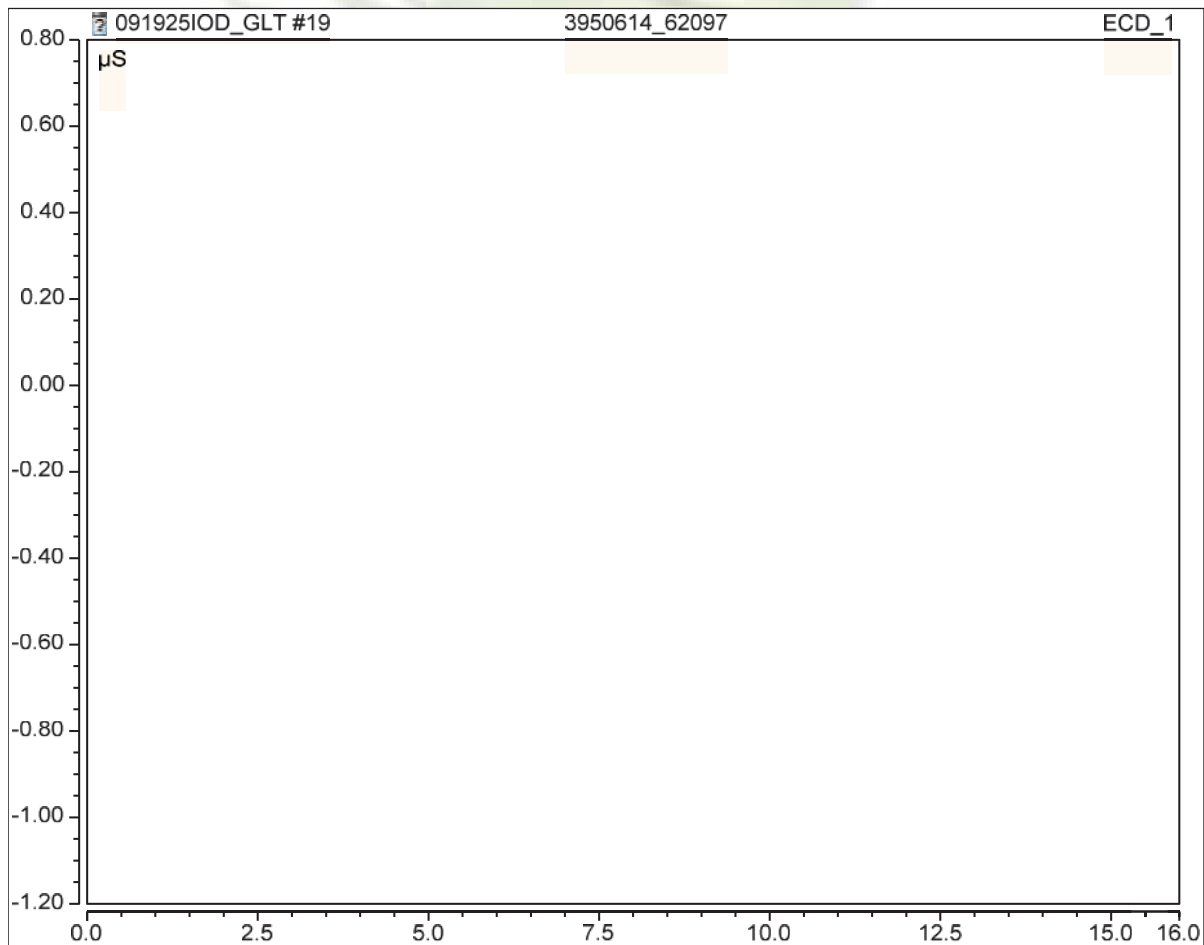
71L20V0B11B B014:			
Sample Name:	71L20V0B11B B014:	Injection Volume (uL):	0.7511
Vial Number:	GB4	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 2V/V_	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I N R e s R t e n N n d R	9 i n N	T n 3 n R o R 5 5	T a N p S S n d R	u N e H o p S	t g h N
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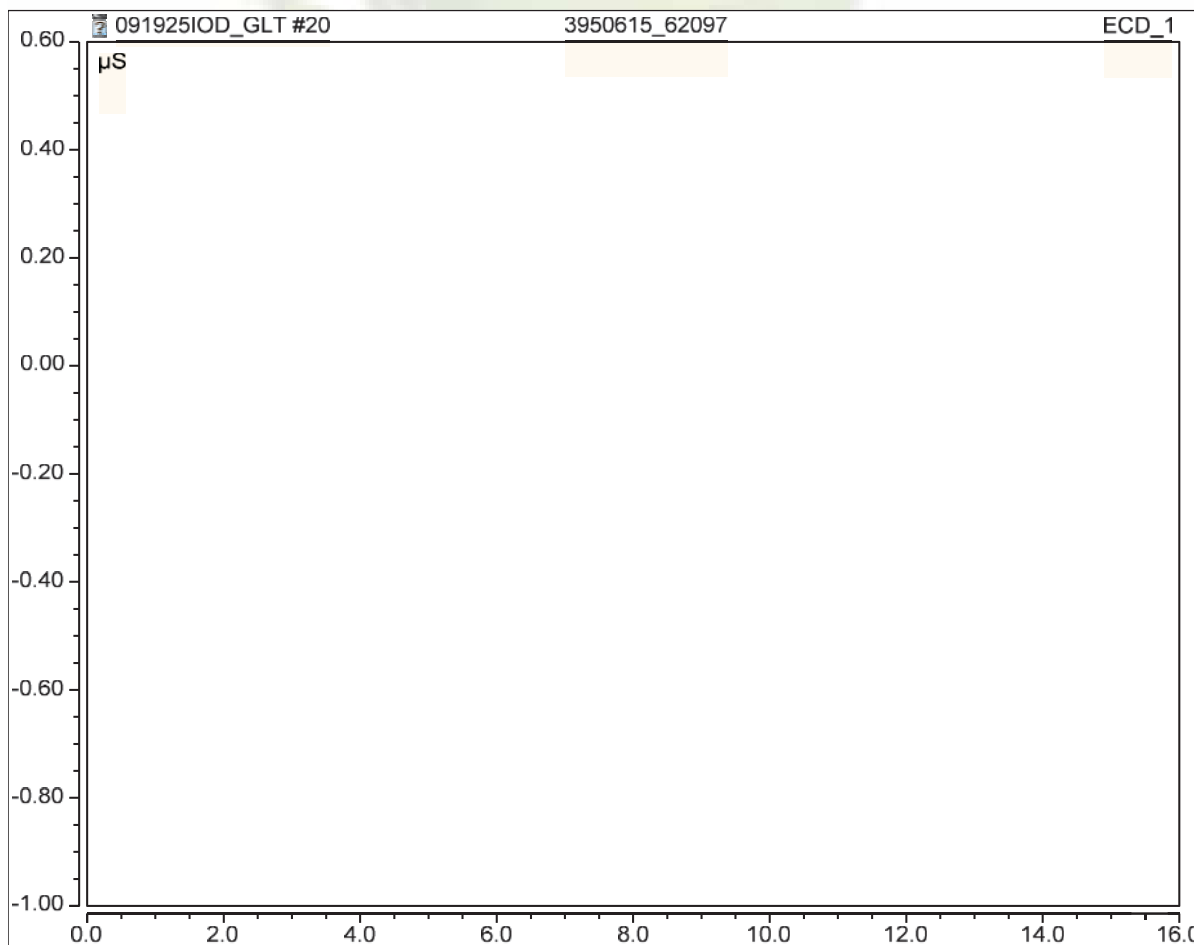
V471B2L B014:			
Sample Name:	V471B2L B014:	Injection Volume (uL):	0.7511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14:40:10 7/2/05	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	Injection	Retention	Time	Response	Concentration	Height
	n	n	n	n	n	n



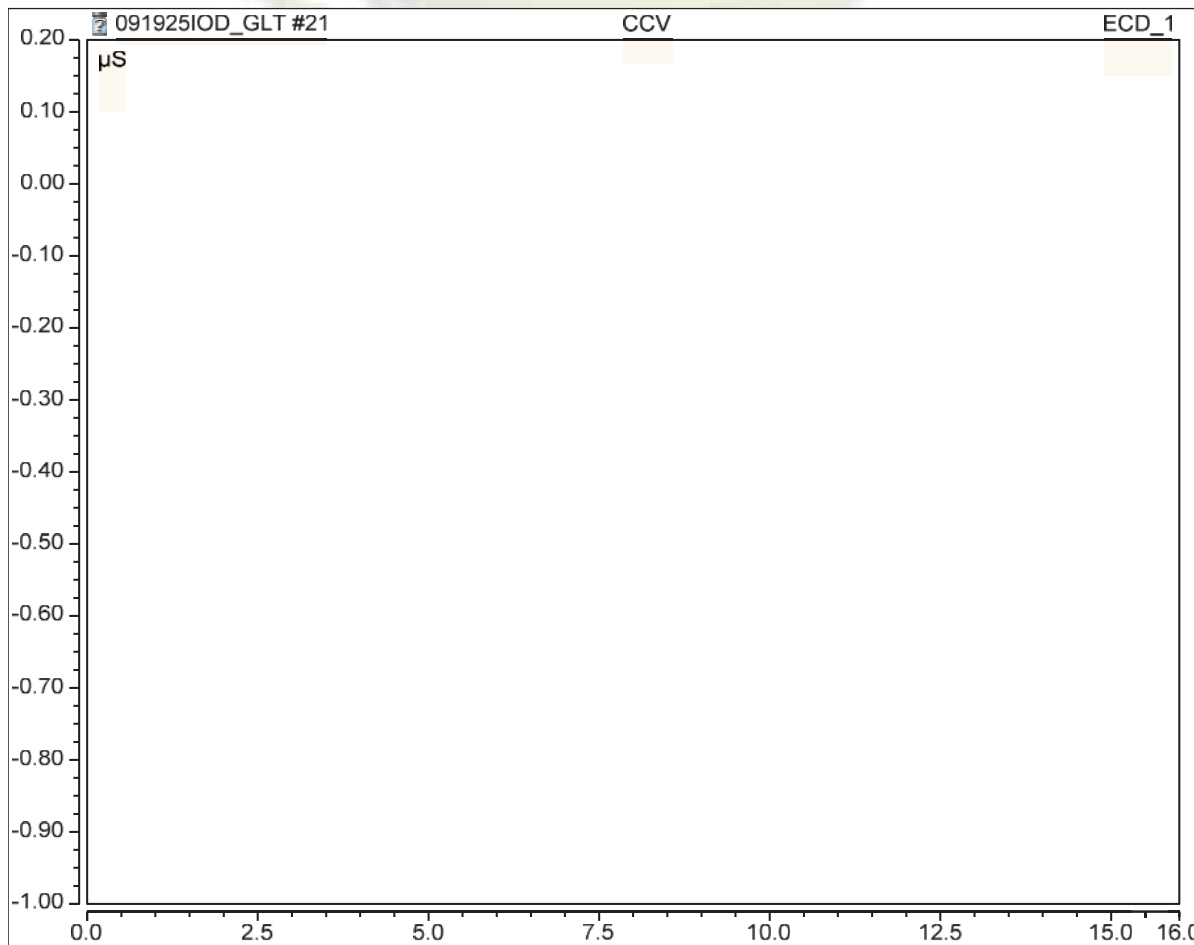
V471B27 B014:			
V: : B 1			
Sample Name:	V471B27B014:	Injection Volume (uL):	07511
Vial Number:	B3	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 21/27	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I N d R o s R t e n N n e R	9 i n N	T n 3 n R o n r &y	T a N i p S S n e R	u N e H o p S	t g h N
1	13.61	63* e N	2.1917	0.187	0.651	BMB



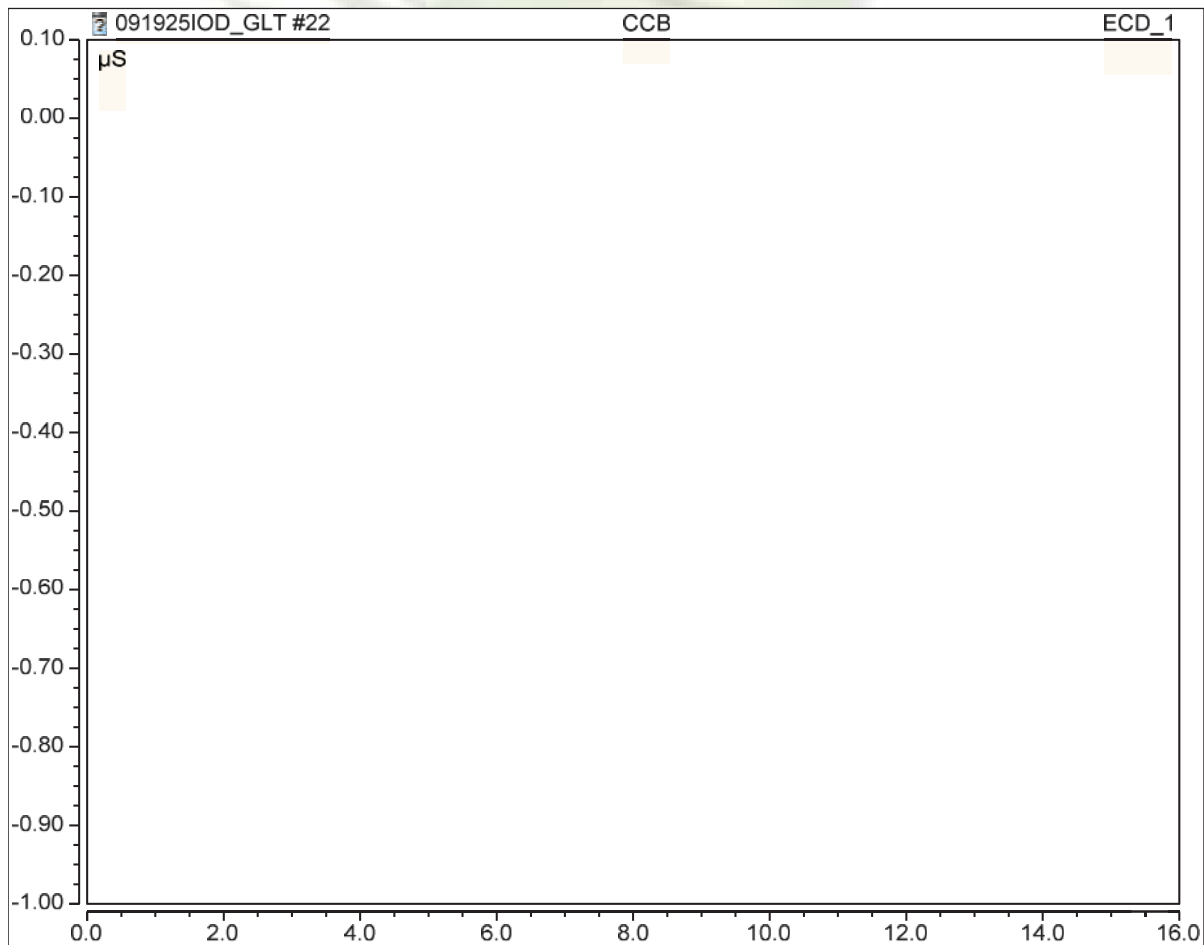
CCA			
L04112			
Sample Name:	CCA	Injection Volume (uL):	0.7511
Vial Number:	B2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2L/VV	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.35	63.4	0.5636	0.037	0.051	BMB



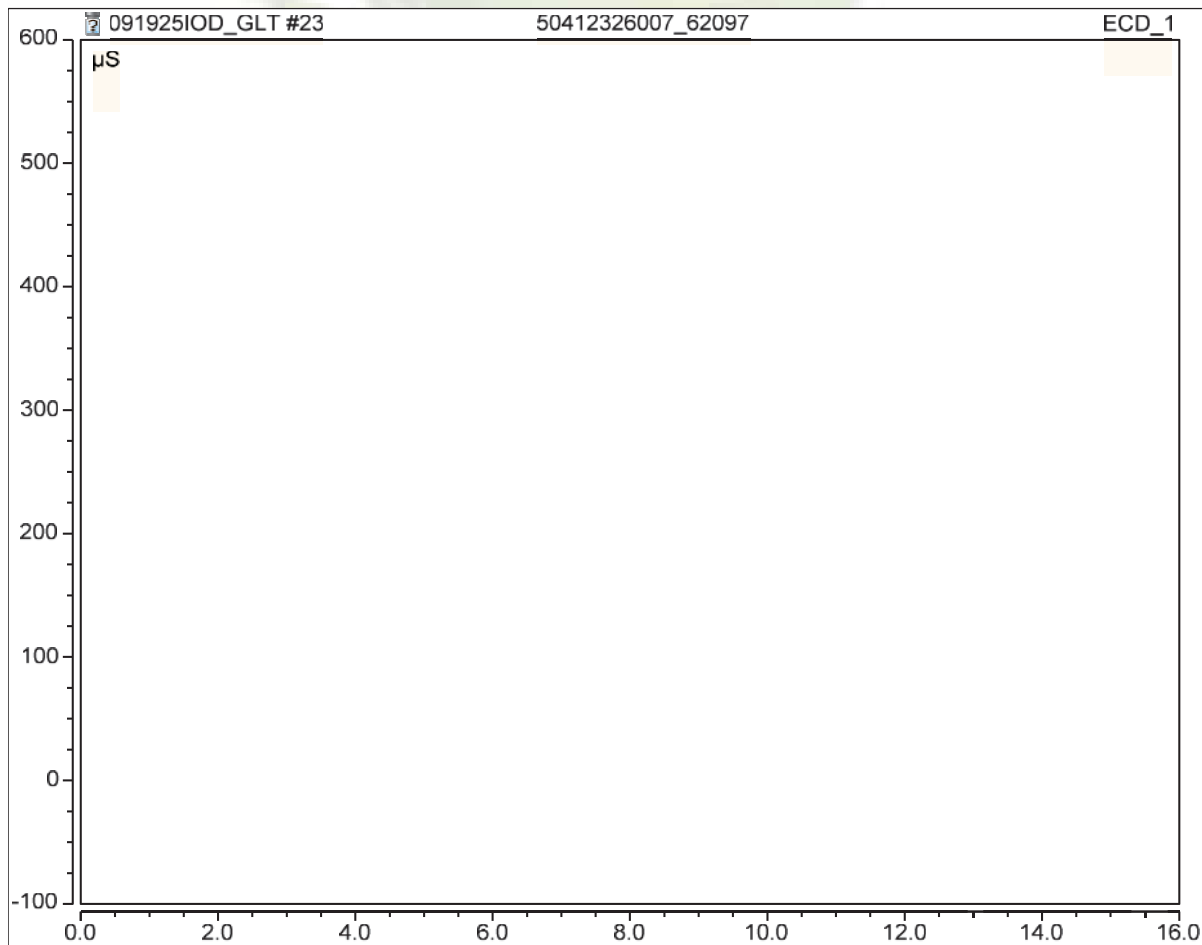
CCd			
VL1222			
Sample Name:	CCd	Injection Volume (uL):	07511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2L/72	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I n R t n N n dR	9 i n N	T n 3 n R o R 5 5	T a N i p S S n dR	u N r H o p S	t g h N
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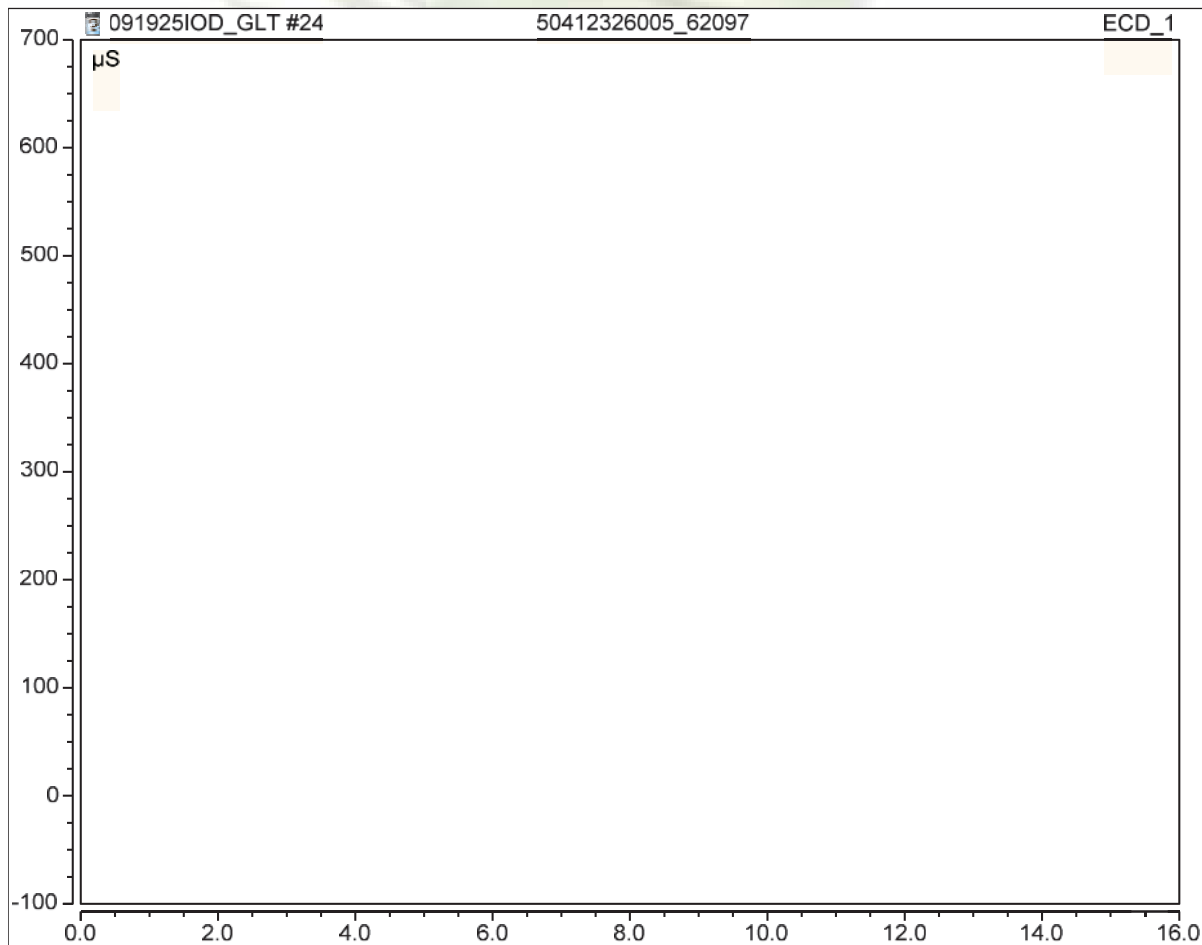
71L20V0B11: B014:			
Sample Name:	71L20V0B11: B014:	Injection Volume (uL):	07511
Vial Number:	GB5	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 27/14	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.09	0.0818	0.003	0.000	BMB	



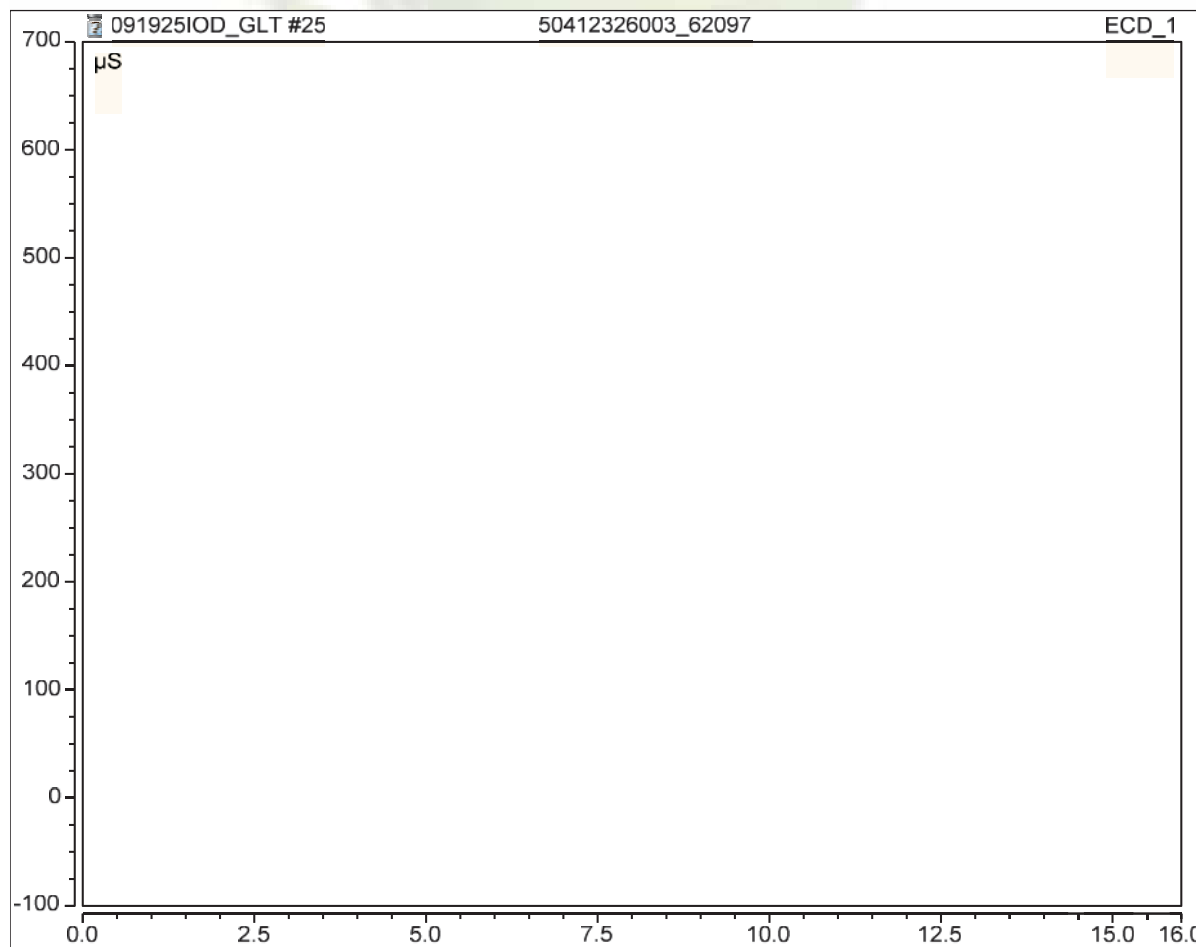
71L20V0B117 B014:			
Sample Name:	71L20V0B117B014:	Injection Volume (uL):	07511
Vial Number:	GB6	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 27/0_	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I n R t n N n R	9 i n N	T n 3 n R o R 5 5	T a N p S n R	u N r H o p S	t g h N
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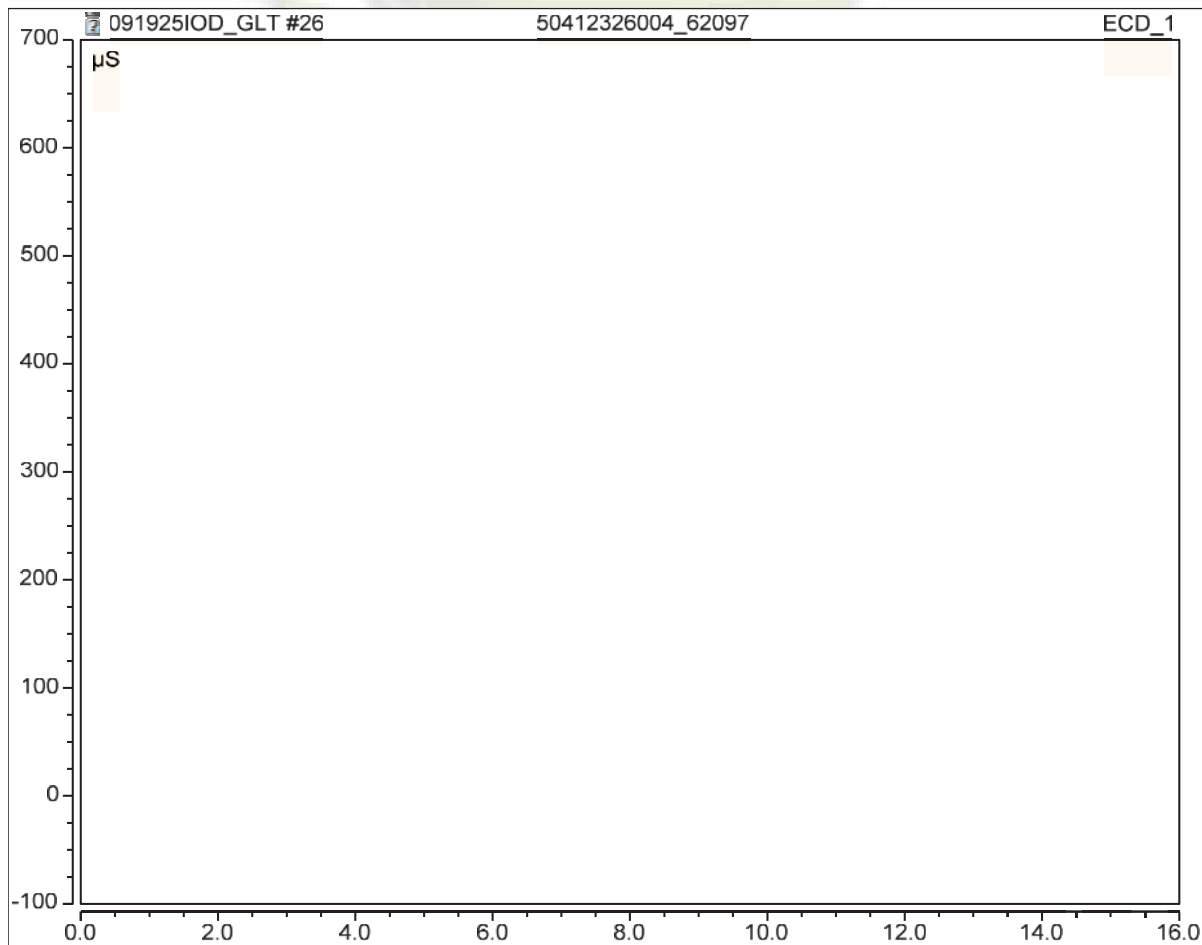
71L20V0B11V B014:			
Sample Name:	71L20V0B11V B014:	Injection Volume (uL):	07511
Vial Number:	GB7	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 27/LB	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o s R t a n N n d R	9 i n N	T n 3 n R o n r &y	T a N i p S S n d R	u N r H o p S	t g h N
1	13.34	63* d N	0.0305	0.007	0.002	BMB



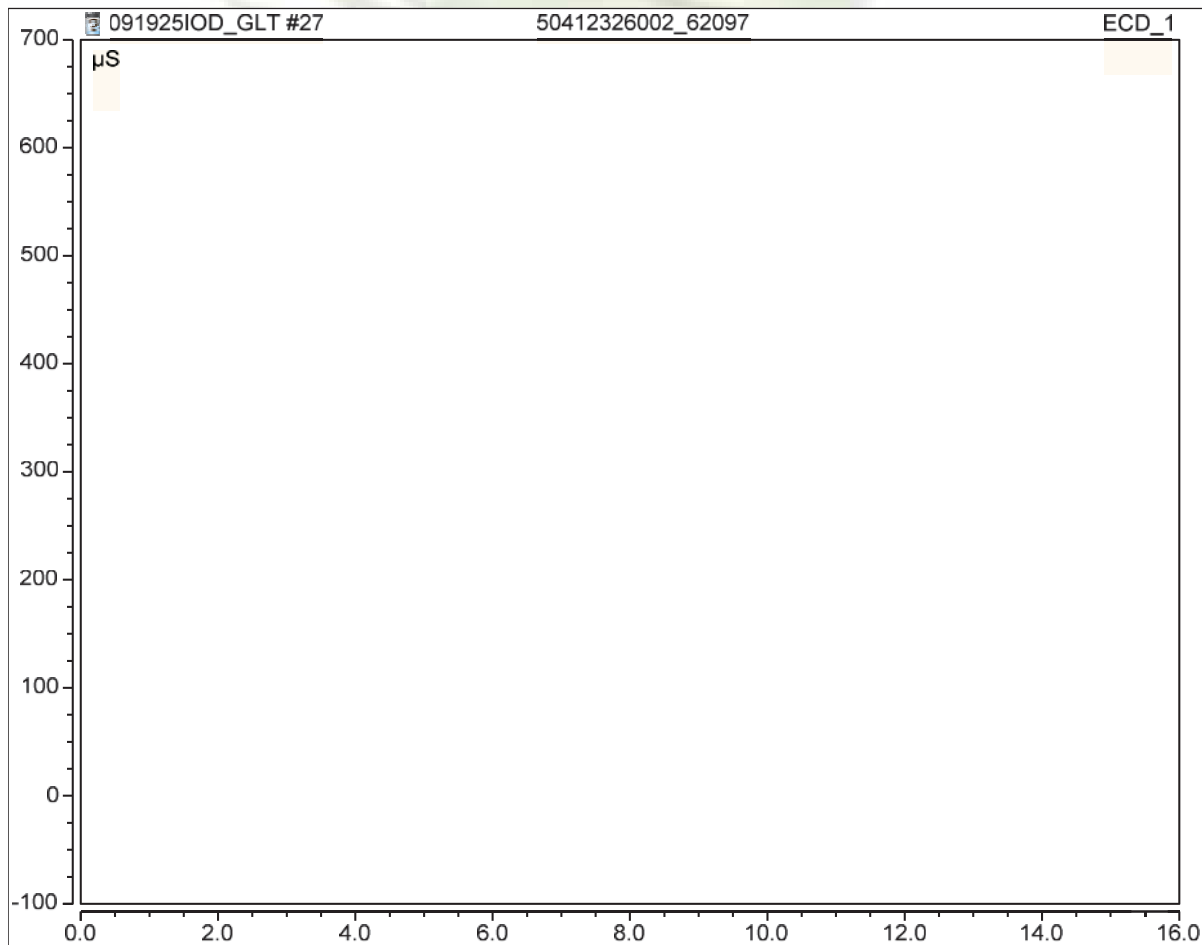
71L20V0B11L B014:			
Sample Name:	71L20V0B11LDB014:	Injection Volume (uL):	0.7511
Vial Number:	GB8	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2B/1L	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.35	0.0652	0.007	0.009	BMB	



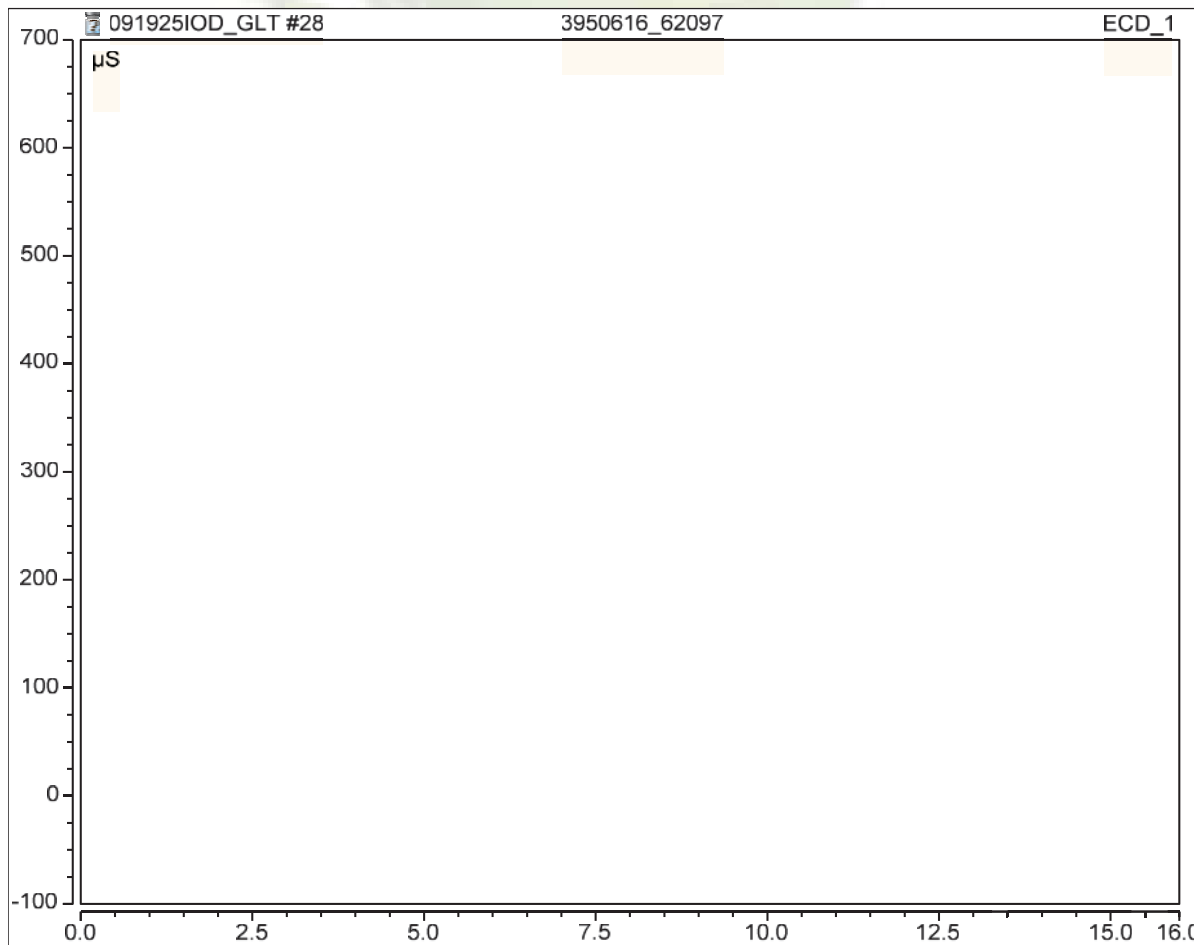
71L20V0B110 B014:			
Sample Name:	71L20V0B110B014:	Injection Volume (uL):	07511
Vial Number:	GC1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 2B/0V	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I n R t n N n R	9 i n N	T n 3 n R o R 5 5	T a N p S n R	u N r H o p S	t g h N
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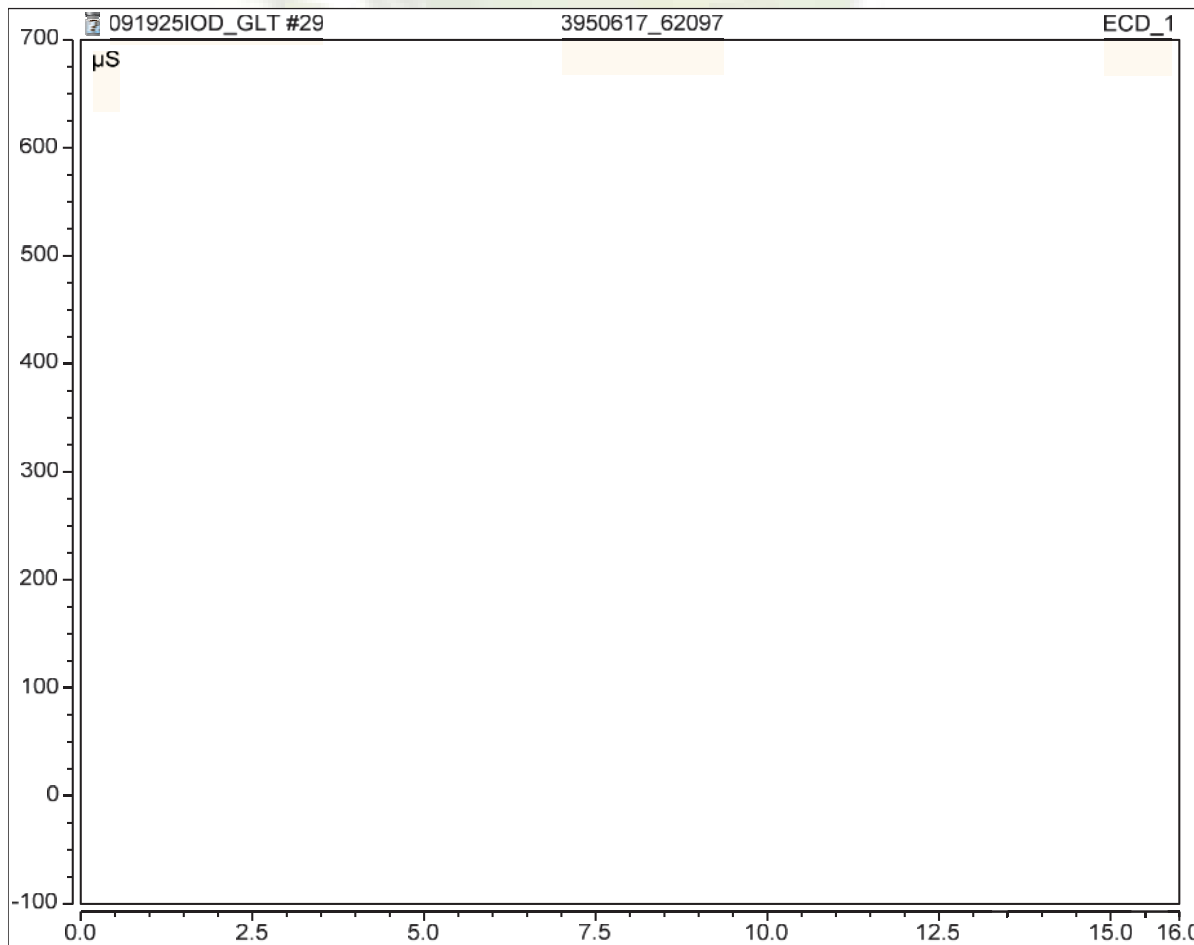
V471B2B B014:			
V: : B 1			
Sample Name:	V471B2B B014:	Injection Volume (uL):	07511
Vial Number:	GC2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2B/L2	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.61	63.4	2.0688	0.194	0.649	BMB



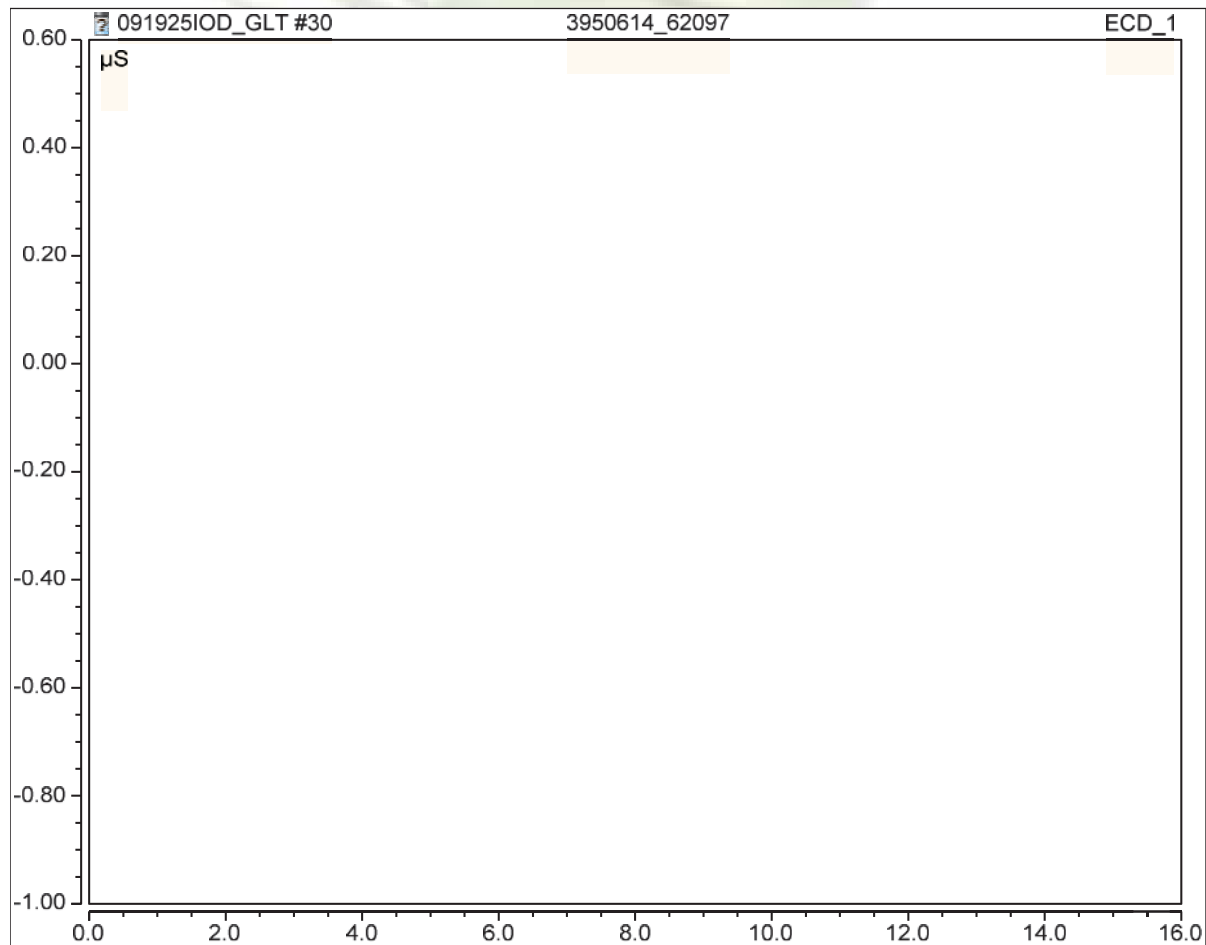
V471B2: B014:			
V: : B 1			
Sample Name:	V471B2: B014:	Injection Volume (uL):	07511
Vial Number:	GC3	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2B/74	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.60	63.4 N	2.0865	0.195	0.650	BMB



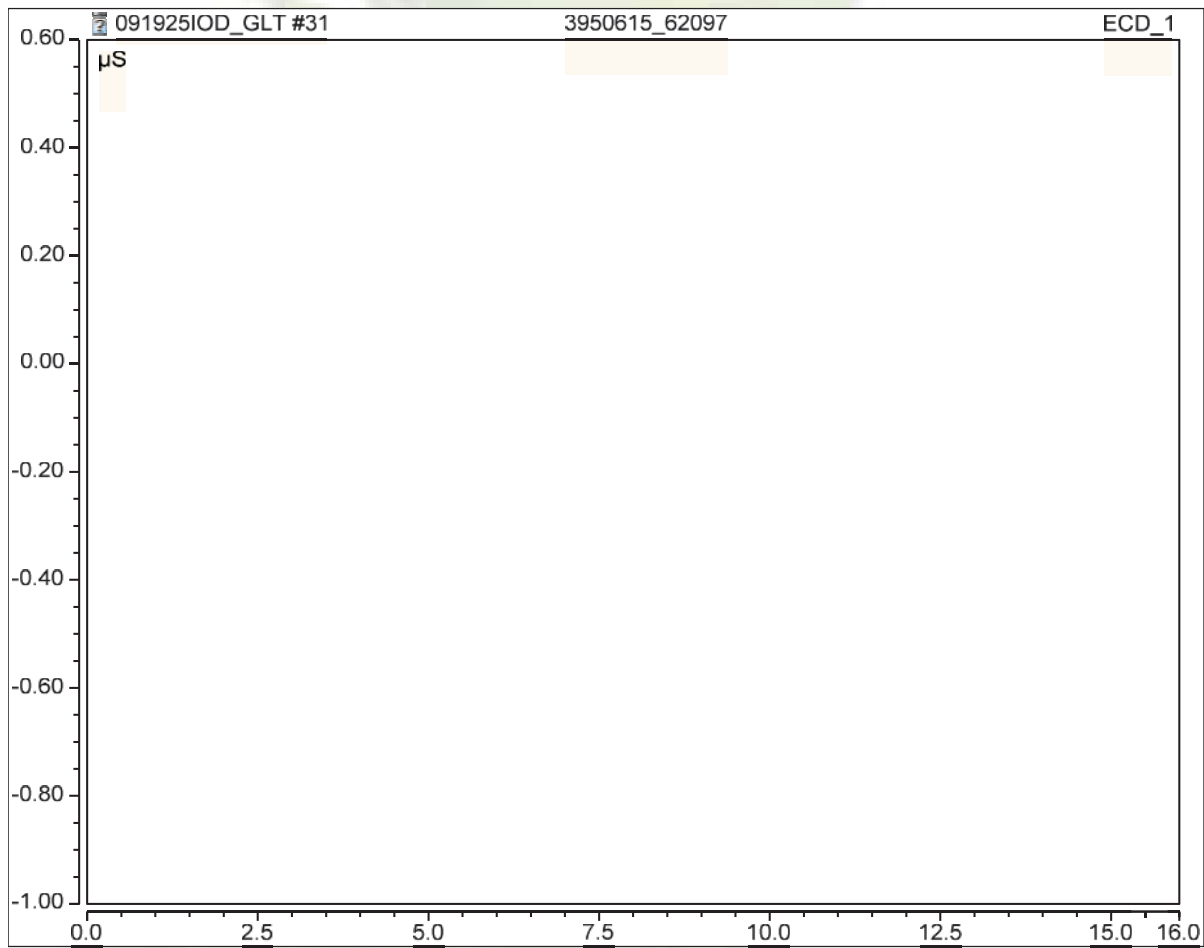
V471B2L B014:			
VL1222			
Sample Name:	V471B2LDB014:	Injection Volume (uL):	07511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_82287 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14848107 2: /2_	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I N d R o s R t e n N n d R	9 i n N	T n 3 n R o R 5 5	T a N i p S S n d R	u N e r H o p S	t g h N
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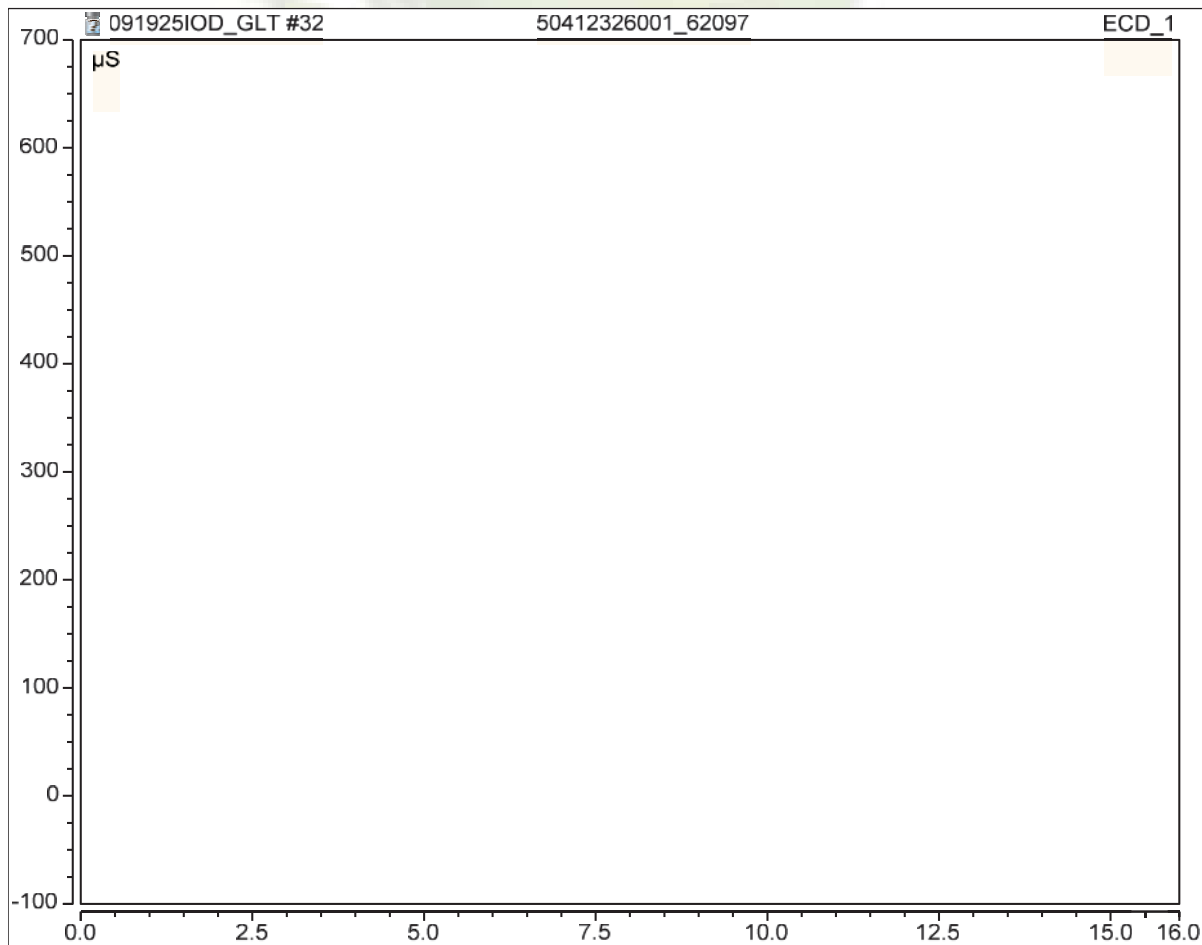
V471B27 B014:			
V: : B 1			
Sample Name:	V471B27DB014:	Injection Volume (uL):	07511
Vial Number:	B3	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 2: /VB	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o s R t a n N n d R	9 i n N	T n 3 n R o n r 8 y	T a N i p S S n d R	u N a H o p S	t g h N
1	13.60	63* d N	2.1008	0.180	0.644	BMB



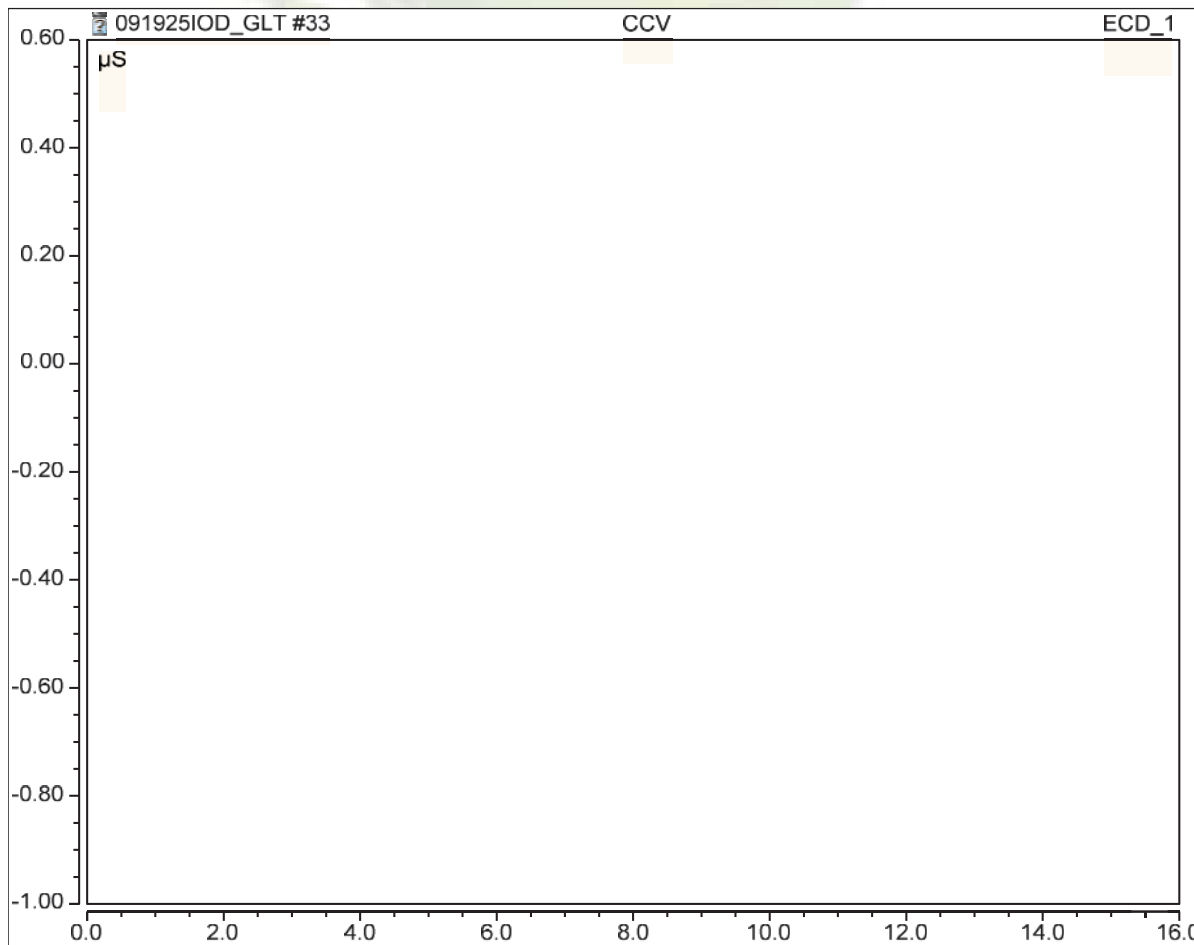
71L20V0B112 B014:			
Sample Name:	71L20V0B112DB014:	Injection Volume (uL):	07511
Vial Number:	GC4	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2: 17L	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o R t e n N n e R	9 i n N	T n 3 n R o n r & y	T a N i p S S n e R	u N e H o p S	t g h N
1	13.14	63* e N	0.0386	0.007	0.000	BMB



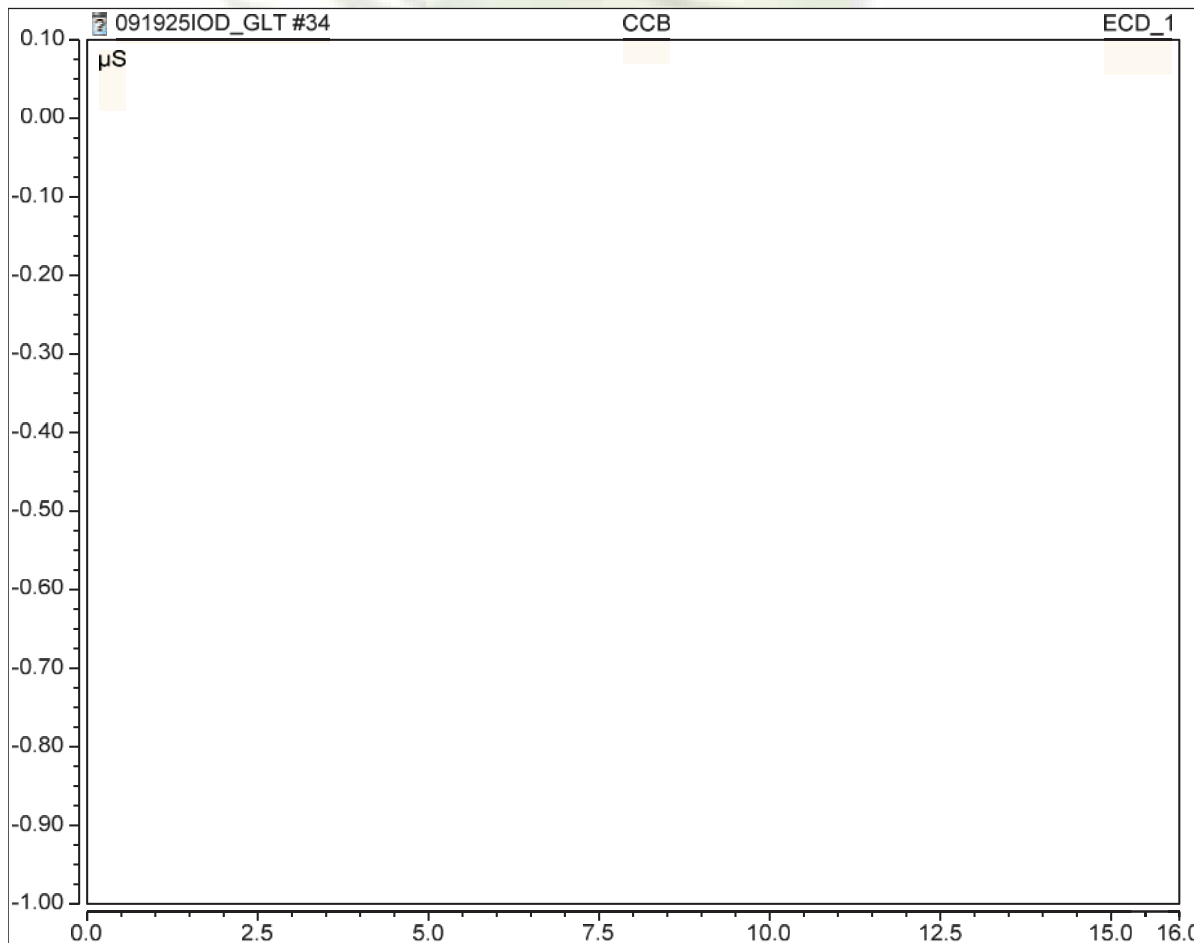
CCA			
L04112			
Sample Name:	CCA	Injection Volume (uL):	07511
Vial Number:	B2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2_/20	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o R t a n N n d R	9 i n N	T n 3 n R o n r 8 y	T a N i p S S n d R	u N a H o p S	t g h N
1	13.34	63* d N	0.5303	0.031	0.051	BMB



CCd VL1222			
Sample Name:	CCd	Injection Volume (uL):	07511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2_V2	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I n R t n N n dR	9 i n N	T n 3 n R o R 5 5	T a N i p S S n dR	u N r H o p S	t g h N
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Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2555938

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Table of Contents

New York ASP Category B Data Deliverable Package.....	1
Table of Contents	2
Sample ID Cross Reference	12
SDG Narrative	13
Data Qualifier Definitions	16
Instrument Information	19
Sample Log-in Sheet	22
Lims COC (LN01)	23
External Chain of Custody	26
Organics Analysis	28
GCMS 8260 Analysis	29
Volatiles QC Summary	30
Form 2 - Organics	31
Form 3 - Organics	32
Form 4 - Organics	34
Form 5 - Organics	35
Form 8 - Organics	37
MDL Study - Volatile Organics 8260	38
Volatiles Sample Data	40
Form 1 - Organics	41
MW-13S (L2555938-01) Analyzed: 09/11/25 14:51	59
MW-13D (L2555938-02) Analyzed: 09/11/25 15:17	64
MW-10S (L2555938-03) Analyzed: 09/11/25 15:44	71
MW-10D (L2555938-04) Analyzed: 09/11/25 16:10	76
SCDOH-DR (L2555938-05) Analyzed: 09/11/25 16:37	80
TRIP BLANK (L2555938-06) Analyzed: 09/21/25 19:34	87
Volatile Standards Data	93
Initial Calibration	94
Form 6 - Organics	95
ICAL for GONZO on 06/20/25 ICAL22400	98
Initial Calibration Summary - Cal Date: 06/20/25 00:00	98
BFB TUNE Injected on: 06/19/25 23:16	102
STD0.19PPB Injected on: 06/20/25 01:35	103
STD0.5PPB Injected on: 06/20/25 02:28	106
STD2PPB Injected on: 06/20/25 03:21	117
STD10PPB Injected on: 06/20/25 04:15	126
STD30PPB Injected on: 06/20/25 04:41	132
STD80PPB Injected on: 06/20/25 05:08	138
STD120PPB Injected on: 06/20/25 05:34	144
STD200PPB Injected on: 06/20/25 06:01	150
ICV Summary Form Injected on: 06/20/25 08:14	157
ICV Quant Report Injected on: 06/20/25 08:14	160
Correlation Data Summary	167
Continuing Calibration	168
Form 7 - Organics	169
CC Summary - GONZO Run: 09/11/25 07:20	172
CC Quant - WG2113862-2 GONZO Run: 09/11/25 07:20	175
CC Summary - GONZO Run: 09/21/25 08:57	181
CC Quant - WG2117843-2 GONZO Run: 09/21/25 08:57	184
bfb tune - Inst. GONZO 09/11/25 07:06	190

Table of Contents

bfb tune - Inst. GONZO 09/21/25 08:43	191
Volatiles Raw QC Data	192
Laboratory Method BI (WG2113862-5) Analyzed: 09/11/25 09:06	193
Laboratory Method BI (WG2117843-5) Analyzed: 09/21/25 10:43	202
Laboratory Control S (WG2113862-3) Analyzed: 09/11/25 07:20	208
Laboratory Control S (WG2117843-3) Analyzed: 09/21/25 08:57	262
LCS Duplicate (WG2113862-4) Analyzed: 09/11/25 07:46	316
LCS Duplicate (WG2117843-4) Analyzed: 09/21/25 09:23	370
Matrix Spike (WG2113862-6) Analyzed: 09/11/25 11:45	424
Matrix Spike Duplica (WG2113862-7) Analyzed: 09/11/25 12:11	505
Volatiles Calculations	586
QC Batch WG2113862	587
QC Batch WG2117843	588
ICAL Sequence for GONZO on 20-JUN-2025 00:00 ICAL22400	589
Instrument GONZO Run Date 09/11/25 Run ID R2009830	590
Instrument GONZO Run Date 09/21/25 Run ID R2013570	591
Semivolatiles Data - Method 8270	592
Semivolatiles QC Summary	593
Form 2 - Organics	594
Form 3 - Organics	595
Form 4 - Organics	598
Form 5 - Organics	600
Form 8 - Organics	606
MDL Study - ABN Extractables	610
Semivolatiles Sample Data	612
Form 1 - Organics	613
MW-13S (L2555938-01) Analyzed: 09/08/25 12:59	625
MW-13D (L2555938-02) Analyzed: 09/08/25 13:20	631
MW-10S (L2555938-03) Analyzed: 09/08/25 13:41	637
MW-10D (L2555938-04) Analyzed: 09/08/25 14:03	643
SCDOH-DR (L2555938-05) Analyzed: 09/08/25 14:24	649
Semivolatiles Standards Data	655
Initial Calibration	656
Form 6 - Organics	657
ICAL for SV112 on 08/18/25 ICAL22560	665
Initial Calibration Summary - Cal Date: 08/18/25 00:00	665
Tune Injected on: 08/17/25 18:04	668
Deg Injected on: 08/17/25 18:04	669
Tailing Factor Injected on: 08/17/25 18:04	670
ABNL9 Injected on: 08/17/25 18:26	672
ABNL8 Injected on: 08/17/25 18:49	682
ABNL7 Injected on: 08/17/25 19:12	692
ABNL6 Injected on: 08/17/25 19:34	701
ABNL4 Injected on: 08/17/25 20:20	710
ABNL3 Injected on: 08/17/25 20:42	722
ABNL2 Injected on: 08/17/25 21:05	735
ABNL1 Injected on: 08/17/25 21:27	755
AP9L9 Injected on: 08/17/25 21:50	791
AP9L8 Injected on: 08/17/25 22:13	794
AP9L7 Injected on: 08/17/25 22:35	797

Table of Contents

AP9L6 Injected on: 08/17/25 22:58	800
AP9L5 Injected on: 08/17/25 23:20	803
AP9L4 Injected on: 08/17/25 23:43	806
AP9L3 Injected on: 08/18/25 00:05	809
AP9L2 Injected on: 08/18/25 00:28	812
AP9L1 Injected on: 08/18/25 00:50	817
AP9 ICV Summary Form Injected on: 08/18/25 01:35	826
AP9 ICV Quant Rep Injected on: 08/18/25 01:35	827
Tune Injected on: 08/18/25 01:57	844
Deg Injected on: 08/18/25 01:57	845
Tailing Factor Injected on: 08/18/25 01:57	846
ADPL9 Injected on: 08/18/25 02:20	848
ADPL8 Injected on: 08/18/25 02:42	851
ADPL7 Injected on: 08/18/25 03:05	854
ADPL6 Injected on: 08/18/25 03:27	857
ADPL5 Injected on: 08/18/25 03:50	860
ADPL4 Injected on: 08/18/25 04:12	863
ADPL3 Injected on: 08/18/25 04:35	866
ADPL2 Injected on: 08/18/25 04:57	869
ADPL1 Injected on: 08/18/25 05:20	872
ADP ICV Summary Form Injected on: 08/18/25 05:42	876
ADP ICV Quant Report Injected on: 08/18/25 05:42	877
ABNL5a Injected on: 08/18/25 06:05	886
ABN ICV Summary Form Injected on: 08/18/25 06:27	896
ABN ICV Quant Report Injected on: 08/18/25 06:27	899
Relative Error Form	986
ICAL for SV106 on 08/28/25 ICAL22591	987
Initial Calibration Summary - Cal Date: 08/28/25 00:00	987
Tune Injected on: 08/27/25 19:04	992
Deg Injected on: 08/27/25 19:04	993
Tailing Factor Injected on: 08/27/25 19:04	994
ABNL9 Injected on: 08/27/25 20:12	996
ABNL8 Injected on: 08/27/25 20:33	1004
ABNL7 Injected on: 08/27/25 21:03	1010
ABNL6 Injected on: 08/27/25 21:24	1015
ABNL5 Injected on: 08/27/25 21:46	1020
ABNL4 Injected on: 08/27/25 22:07	1026
ABNL3 Injected on: 08/27/25 22:28	1032
ABNL2 Injected on: 08/27/25 22:50	1040
ABNL1 Injected on: 08/27/25 23:11	1048
ABN ICV Summary Form Injected on: 08/27/25 23:33	1061
ABN ICV Quant Report Injected on: 08/27/25 23:33	1064
Tune Injected on: 08/27/25 23:54	1147
Deg Injected on: 08/27/25 23:54	1148
Tailing Factor Injected on: 08/27/25 23:54	1149
AP9L9 Injected on: 08/28/25 00:16	1151
AP9L8 Injected on: 08/28/25 00:37	1154
AP9L7 Injected on: 08/28/25 00:58	1157
AP9L6 Injected on: 08/28/25 01:20	1160
AP9L5 Injected on: 08/28/25 01:41	1163

Table of Contents

AP9L4 Injected on: 08/28/25 02:03	1166
AP9L3 Injected on: 08/28/25 02:24	1169
AP9L2 Injected on: 08/28/25 02:45	1172
AP9L1 Injected on: 08/28/25 03:07	1176
ADPL9 Injected on: 08/28/25 03:28	1180
ADPL8 Injected on: 08/28/25 03:50	1183
ADPL7 Injected on: 08/28/25 04:11	1186
ADPL6 Injected on: 08/28/25 04:32	1189
ADPL5 Injected on: 08/28/25 04:54	1192
ADPL4 Injected on: 08/28/25 05:15	1195
ADPL3 Injected on: 08/28/25 05:36	1198
ADPL2 Injected on: 08/28/25 05:58	1201
ADPL1 Injected on: 08/28/25 06:19	1204
AP9 ICV Summary Form Injected on: 08/28/25 06:40	1207
AP9 ICV Quant Rep Injected on: 08/28/25 06:40	1208
ADP ICV Summary Form Injected on: 08/28/25 07:02	1225
ADP ICV Quant Report Injected on: 08/28/25 07:02	1226
/ops/reports/WG25/WG2108428/RelativeError.pdf	1235
Continuing Calibration	1236
Form 7 - Organics	1237
CC Summary - SV106 Run: 09/08/25 06:21	1247
CC Quant - WG2111831-3 SV106 Run: 09/08/25 06:21	1250
CC Summary - SV106 Run: 09/08/25 06:43	1332
CC Quant - WG2111831-4 SV106 Run: 09/08/25 06:43	1333
CC Summary - SV106 Run: 09/08/25 07:04	1350
CC Quant - WG2111831-5 SV106 Run: 09/08/25 07:04	1351
DEG Quant for SV106 injected on 09/08/25 06:00	1360
dftpp tune - Inst. SV106 09/08/25 06:00	1361
Tailing factor report for SV106 injected on 09/08/25 06:00	1362
Form 7 - Organics	1364
CC Summary - SV112 Run: 09/12/25 01:02	1374
CC Quant - WG2113687-3 SV112 Run: 09/12/25 01:02	1377
CC Summary - SV112 Run: 09/12/25 01:24	1464
CC Quant - WG2113687-4 SV112 Run: 09/12/25 01:24	1465
CC Summary - SV112 Run: 09/12/25 01:47	1482
CC Quant - WG2113687-5 SV112 Run: 09/12/25 01:47	1483
DEG Quant for SV112 injected on 09/12/25 00:39	1492
dftpp tune - Inst. SV112 09/12/25 00:39	1493
Tailing factor report for SV112 injected on 09/12/25 00:39	1494
Semivolatiles Raw QC Summary	1496
Laboratory Method BI (WG2111707-1) Analyzed: 09/08/25 07:26	1497
Laboratory Method BI (WG2113697-1) Analyzed: 09/12/25 03:17	1503
Laboratory Control S (WG2111707-2) Analyzed: 09/08/25 07:47	1511
Laboratory Control S (WG2113697-2) Analyzed: 09/12/25 03:40	1559
LCS Duplicate (WG2111707-3) Analyzed: 09/08/25 08:11	1652
LCS Duplicate (WG2113697-3) Analyzed: 09/12/25 04:02	1700
Semivolatiles Calculations	1793
QC Batch WG2113697	1794
ICAL Sequence for SV112 on 18-AUG-2025 00:00 ICAL22560	1795
ICAL Sequence for SV106 on 28-AUG-2025 00:00 ICAL22591	1796

Table of Contents

Instrument SV106 Run Date 09/08/25 Run ID R2007875	1797
Organic ELN-Workgroup:WG2113697	1798
Semivolatiles Data - Method 8270D-SIM	1800
Semivolatiles QC Summary	1801
Form 2 - Organics	1802
Form 3 - Organics	1803
Form 4 - Organics	1804
Form 5 - Organics	1805
Form 8 - Organics	1807
MDL Study - 8270 Low Level PAH	1809
Semivolatiles Sample Data	1810
Form 1 - Organics	1811
MW-13S (L2555938-01) Analyzed: 09/10/25 14:14	1823
MW-13D (L2555938-02) Analyzed: 09/10/25 14:31	1827
MW-10S (L2555938-03) Analyzed: 09/10/25 14:48	1831
MW-10D (L2555938-04) Analyzed: 09/10/25 15:05	1835
SCDOH-DR (L2555938-05) Analyzed: 09/10/25 15:22	1839
Semivolatiles Standards Data	1843
Initial Calibration	1844
Form 6 - Organics	1845
ICAL for SV125 on 09/09/25 ICAL22616	1847
Initial Calibration Summary - Cal Date: 09/09/25 00:00	1847
Tune Injected on: 09/08/25 18:17	1848
Deg Injected on: 09/08/25 18:17	1849
Tailing Factor Injected on: 09/08/25 18:17	1850
IL10 Injected on: 09/08/25 19:01	1852
IL9 Injected on: 09/08/25 19:17	1873
IL8 Injected on: 09/08/25 19:34	1879
IL7 Injected on: 09/08/25 19:51	1883
IL6 Injected on: 09/08/25 20:07	1888
IL5 Injected on: 09/08/25 20:24	1893
IL4 Injected on: 09/08/25 20:41	1901
IL3 Injected on: 09/08/25 20:58	1911
IL2 Injected on: 09/08/25 21:14	1920
IL1 Injected on: 09/08/25 21:31	1929
ICV Summary Form Injected on: 09/08/25 21:48	1933
ICV Quant Report Injected on: 09/08/25 21:48	1935
Relative Error	1971
Continuing Calibration	1972
Form 7 - Organics	1973
CC Summary - SV125 Run: 09/10/25 11:16	1975
CC Quant - WG2113001-3 SV125 Run: 09/10/25 11:16	1977
DEG Quant for SV125 injected on 09/10/25 10:59	2013
dftpp tune - Inst. SV125 09/10/25 10:59	2014
Tailing factor report for SV125 injected on 09/10/25 10:59	2015
Semivolatiles Raw QC Summary	2017
Laboratory Method BI (WG2111706-1) Analyzed: 09/10/25 13:57	2018
Laboratory Control S (WG2111706-2) Analyzed: 09/10/25 13:23	2037
LCS Duplicate (WG2111706-3) Analyzed: 09/10/25 13:40	2064
Semivolatiles Calculations	2091

Table of Contents

QC Batch WG2111706	2092
ICAL Sequence for SV125 on 09-SEP-2025 00:00 ICAL22616	2093
Instrument SV125 Run Date 09/10/25 Run ID R2009004	2094
Organic ELN-Workgroup:WG2111706	2095
Metals Analysis	2097
Inorganic Data (ICP Analysis)	2098
Form 1 - Inorganics	2099
Form 2A - Inorganics	2118
Form 3 - Inorganics	2132
Form 4A - Inorganics	2144
Form 5A - Inorganics	2148
Form 5B - Inorganics	2152
Form 6 - Inorganics	2153
Form 7 - Inorganics	2157
Form 8 - Inorganics	2160
Form 10 - Inorganics	2163
Form 11 - Inorganics	2182
Form 12 - Inorganics	2183
Form 13 - Inorganics	2187
MDL Study - Metals by ICP	2193
Run Date 09/11/25 Run ID R2009414	2195
Run Date 09/12/25 Run ID R2009925	2443
Run Date 09/12/25 Run ID R2009914	2630
ICP True Value Summary Form	2727
ICP Calculations	2750
Instrument TRACE11 Run Date 09/11/25 Run ID R2009414	2751
Instrument TRACE11 Run Date 09/12/25 Run ID R2009925	2755
Instrument TRACE9 Run Date 09/12/25 Run ID R2009914	2758
Metals ELN-Workgroup:WG2112698	2760
Metals ELN-Workgroup:WG2112183	2763
Inorganic Data (Mercury Analysis)	2766
Form 1 - Inorganics	2767
Form 2A - Inorganics	2783
Form 3 - Inorganics	2792
Form 5A - Inorganics	2801
Form 6 - Inorganics	2805
Form 7 - Inorganics	2809
Form 12 - Inorganics	2811
Form 13 - Inorganics	2813
MDL Study - Mercury by 245.1	2817
MDL Study - Mercury by 7470A	2818
MDL Study - Mercury by 7471B	2819
Run Date 09/09/25 Run ID R2008441	2820
Run Date 09/11/25 Run ID R2009684	2826
Hg True Value Summary Form	2834
HG Calculations	2856
Instrument NIC1 Run Date 09/09/25 Run ID R2008441	2858
Instrument NIC1 Run Date 09/11/25 Run ID R2009684	2862
Metals ELN-Workgroup:WG2112141	2866
Metals ELN-Workgroup:WG2112699	2869

Table of Contents

Wet Chemistry Analysis	2872
Total Nitrogen Calculation	2873
Results	2874
Form 1 - Inorganics	2875
Sample Raw Data	2880
Wet Chemistry Raw Data	2881
Total Nitrogen Calculations	2882
TKN Analysis	2883
Results	2884
Form 1 - Inorganics	2885
Sample Raw Data	2892
Wet Chemistry Raw Data	2893
250912_NH3TKN_rawdataA	2893
250912_NH3TKN_rawdataB	2896
Quality Control	2898
Form 5A - Inorganics	2899
Form 6 - Inorganics	2900
Form 7 - Inorganics	2901
MDL Study - Total Kjeldahl Nitrogen	2902
TKN Calculations	2904
Sequence Logs	2905
Instrument LACHAT Run Date 09/12/25 Run ID R2009960	2906
Sample Preparation	2907
Prep Log	2908
Nitrate-Nitrite Analysis	2909
Results	2910
Form 1 - Inorganics	2911
Sample Raw Data	2933
Wet Chemistry Raw Data	2934
250906_rawdataA	2934
250906_rawdataB	2961
250906_rawdataC	2972
Wet Chemistry Raw Data	2985
250906_rawdataA	2985
250906_rawdataB	3012
250906_rawdataC	3023
Wet Chemistry Raw Data	3036
250906_rawdataA	3036
250906_rawdataB	3063
250906_rawdataC	3074
Quality Control	3087
Form 5A - Inorganics	3088
Form 6 - Inorganics	3092
Form 7 - Inorganics	3096
MDL Study - Nitrate and Nitrite	3099
Nitrate Nitrite Calculations	3101
Sequence Logs	3102
Instrument FIA1 Run Date 09/06/25 Run ID R2007516	3103
250906_seqA	3103
250906_seqB	3107

Table of Contents

250906_seqC	3109
Instrument FIA1 Run Date 09/06/25 Run ID R2007520	3111
250906_seqA	3111
250906_seqB	3115
250906_seqC	3117
Instrument FIA1 Run Date 09/06/25 Run ID R2007522	3119
250906_seqA	3119
250906_seqB	3123
250906_seqC	3125
Total Dissolved Solids Analysis	3127
Results	3128
Form 1 - Inorganics	3129
Sample Raw Data	3137
Wet Chemistry Raw Data	3138
Quality Control	3140
Form 6 - Inorganics	3141
Form 7 - Inorganics	3143
MDL Study - Total Dissolved Solids	3144
TDS Calculations	3145
Sulfate Analysis	3146
Results	3147
Form 1 - Inorganics	3148
Sample Raw Data	3155
Wet Chemistry Raw Data	3156
Quality Control	3157
Form 5A - Inorganics	3158
Form 6 - Inorganics	3159
Form 7 - Inorganics	3160
MDL Study - Sulfate	3161
Sulfate Calculations	3163
Alkalinity Analysis	3164
Results	3165
Form 1 - Inorganics	3166
Sample Raw Data	3173
Wet Chemistry Raw Data	3174
CAL	3174
LCS	3176
ALK	3177
Quality Control	3194
Form 6 - Inorganics	3195
MDL Study - Alkalinity	3196
Alkalinity Calculations	3197
Sequence Logs	3198
Instrument TITR5 Run Date 09/10/25 Run ID R2009472	3199
Chloride Analysis	3202
Results	3203
Form 1 - Inorganics	3204
Sample Raw Data	3211
Wet Chemistry Raw Data	3212
250909_Chloride_rawdata	3212

Table of Contents

250909_Chloride_rawdata1	3214
250909_Chloride_rawdata2	3219
Quality Control	3221
Form 5A - Inorganics	3222
Form 6 - Inorganics	3223
Form 7 - Inorganics	3224
MDL Study - Chloride	3225
Chloride Calculations	3227
Sequence Logs	3228
Instrument LACHAT Run Date 09/09/25 Run ID R2008562	3229
Fluoride Analysis	3230
Results	3231
Form 1 - Inorganics	3232
Sample Raw Data	3239
Wet Chemistry Raw Data	3240
Quality Control	3241
Form 5A - Inorganics	3242
Form 6 - Inorganics	3243
Form 7 - Inorganics	3244
MDL Study - Fluoride	3245
Fluoride Calculations	3247
Sample Preparation	3248
Prep Log	3249
Phosphates Analysis	3251
Results	3252
Form 1 - Inorganics	3253
Sample Raw Data	3260
Wet Chemistry Raw Data	3261
Quality Control	3263
Form 5A - Inorganics	3264
Form 6 - Inorganics	3265
Form 7 - Inorganics	3266
MDL Study - Total Phosphorus	3267
MDL Study - Orthophosphate	3269
Total Phosphorus Calculation	3271
Total Suspended Solids Analysis	3272
Results	3273
Form 1 - Inorganics	3274
Sample Raw Data	3282
Wet Chemistry Raw Data	3283
Quality Control	3285
Form 6 - Inorganics	3286
Form 7 - Inorganics	3288
MDL Study - Total Suspended Solids	3289
TSS Calculations	3290
Wet Chemistry By IC Methods	3291
Results	3292
Form 1 - Inorganics	3293
Sample Raw Data	3300
Wet Chemistry Raw Data	3301

Table of Contents

Quality Control	3369
Form 5A - Inorganics	3370
Form 6 - Inorganics	3371
Form 7 - Inorganics	3372
MDL Study - Ion Chromatography	3373
IC Calculations	3374
Alpha Analytical Report	3375
Subcontracted Data Documents	3375
Subcontracted Data	3376
Subcontracted Data Deliverable Package	3412

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555938
Report Date: 10/08/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2555938-01	MW-13S	WATER	416 MILLER PLACE-YAPHANK RD.	09/05/25 09:00	09/05/25
L2555938-02	MW-13D	WATER	416 MILLER PLACE-YAPHANK RD.	09/05/25 08:55	09/05/25
L2555938-03	MW-10S	WATER	416 MILLER PLACE-YAPHANK RD.	09/05/25 10:10	09/05/25
L2555938-04	MW-10D	WATER	416 MILLER PLACE-YAPHANK RD.	09/05/25 10:15	09/05/25
L2555938-05	SCDOH-DR	WATER	416 MILLER PLACE-YAPHANK RD.	09/05/25 11:30	09/05/25
L2555938-06	TRIP BLANK	TRIP BLANK (AQUEOUS)	416 MILLER PLACE-YAPHANK RD.	09/05/25 00:00	09/05/25



Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555938
Report Date: 10/08/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555938
Report Date: 10/08/25

Case Narrative (continued)

Report Revision

October 08, 2025: The results of the Semivolatile Organics re-extractions were removed from L2555938-01 through -05.

Report Submission

September 22, 2025: This final report includes the results of all requested analyses.

September 16, 2025: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The analyses of Ammonium, Iodide, and Sulfide were subcontracted. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Sample Receipt

L2555938-01: The sample was received below the appropriate pH for the Subcontracted Sulfide analysis. The laboratory added additional NaOH to a pH >9.

Semivolatile Organics

The WG2111707-1 Method Blank, associated with L2555938-01 through -05, has a concentration above the reporting limits for Di-n-butylphthalate; however, re-extraction outside of holding time achieved similar results. Only the results of the original analysis are reported with a "B" qualifier.

Total Metals

The WG2112183-1 Method Blank associated with L2555938-01 through -05 has a concentration above the reporting limit for zinc. Since the associated sample concentrations are non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555938
Report Date: 10/08/25

Case Narrative (continued)

Dissolved Metals

The WG2112698-3 MS recovery performed on L2555938-01 is outside the acceptance criteria for antimony (74%). A post digestion spike was performed and yielded an unacceptable recovery of 61%. The serial dilution recovery was not applicable; therefore, this element failed the matrix test and the result reported in the native sample should be considered estimated.

Solids, Total Suspended

L2555938-01 through -05: The sample has an elevated detection limit due to limited sample volume available for analysis.

Anions by Ion Chromatography

The WG2113257-3 MS recovery performed on L2555938-02 is outside the acceptance criteria for bromide (84%); however, the associated LCS recovery is within criteria. No further action was taken.

Solids, Total Dissolved

The WG2112187-3 Laboratory Duplicate RPD performed on L2555938-01 is outside the acceptance criteria for solids, total dissolved (26%) due to the non-homogeneous nature of the native sample.

The WG2112187-4 Laboratory Duplicate RPD performed on L2555938-02 is outside the acceptance criteria for solids, total dissolved (100%) due to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Caitlin Walukh* Report Date: 10/08/25
Title: Technical Director/Representative



DATA PACKAGE GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555938
Report Date: 10/08/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2555938
Report Date: 10/08/25

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.
- ND or U** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm



Sample Delivery Group Summary

Pace Job Number : L2555938

Received : 05-SEP-2025

Account Name : Roux Env. Eng. & Geology, DPC

Reviewer : Maile Kolton

Project Number : 2232.0006Y005

Project Name : CORAM MATERIALS

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.8	
B	Absent/	Ice	2.2	

Condition Information

- | | | | |
|--|-----|--------------------|----------|
| 1) All samples on COC received? | YES | | |
| 2) Extra samples received? | NO | | |
| 3) Are there any sample container discrepancies? | NO | | |
| 4) Are there any discrepancies between COC & sample labels? | NO | | |
| 5) Are samples in appropriate containers for requested analysis? | YES | | |
| 6) Are samples properly preserved for requested analysis? | NO | | |
| Container | pH | Preservative Added | Final pH |
| L2555938-01L | 9 | NaOH | >9 |
| 7) Are samples within holding time for requested analysis? | YES | | |
| 8) All sampling equipment returned? | NA | | |

Volatile Organics/VPH

- | | |
|--|----|
| 1) Reagent Water Vials Frozen by Client? | NO |
|--|----|

PACE ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT
 Oct 15 2025, 12:33 pm

Login Number: L2555938

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 05SEP25 Due Date: 22SEP25

Mat PR Collected

Sample # Client ID

L2555938-01 MW-13S

1 S0 05SEP25 09:00

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 884189752075 \$80.15 USD Galbraith, IN 884190766502 \$40.81 USD pAce IN NYTCL-8260: Report list built including Non-Routine: Freon-113, Cyclohexane, Methyl Acetate, Methyl cyclohexane, Galbraith will not send packages (L4 packages) NYTCL-8270, SIM Report list built NYTCL-8270-LV: Report list built Non-Routine: 1, 2, 4, 5-tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam TSS: LIMITED VOLUME ASP-B package due Date: 09/22/25

ALK-C03-2320, ALK-HC03-2320, ASP-B, BR-300, CL-4500, F-4500, N02-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, SHIPPING, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-LEVEL5, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-UI, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

L2555938-02 MW-13D

1 S0 05SEP25 08:55

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound Galbraith will not send packages (L4 packages) NYTCL-8270, SIM Report list built NYTCL-8270-LV: Report list built Non-Routine: 1, 2, 4, 5-tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260: Report list built including Non-Routine: Freon-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane TSS: LIMITED VOLUME package due Date: 09/22/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, N02-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-UI, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

PACE ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT
 Oct 15 2025, 12:33 pm

Login Number: L2555938

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 05SEP25 Due Date: 22SEP25

Mat PR Collected

Sample # Client ID

L2555938-03 MW-10S

1 S0 05SEP25 10:10
 Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built NYTCL-8270-LV: Report list built: Non-Routine: 1 2 4 5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260: Report list built: including Non-Routine: Frebn-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane TSS: LIMITED VOLUME Package Due Date: 09/22/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, NO2-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

L2555938-04 MW-10D

1 S0 05SEP25 10:15
 Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built NYTCL-8270-LV: Report list built: Non-Routine: 1 2 4 5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260: Report list built: including Non-Routine: Frebn-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane TSS: LIMITED VOLUME Package Due Date: 09/22/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, NO2-4500N03, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Oct 15 2025, 12:33 pm

Login Number: L2555938

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 05SEP25 Due Date: 22SEP25

Mat PR Collected

Sample # Client ID

L2555938-05 SCD0H-DR

1 S0 05SEP25 11:30
Only one result per compound Only one result per compound. If a sample requires High AND Low Levels ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built NYTCL-8270-LV: Report list built: Non-Routine: 1 2 4 5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260: Report list built: including Non-Routine: Frebn-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane TSS: LIMITED VOLUME Package Due Date: 09/22/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, NO2-4500NO3, N03-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-UI, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TKN-351, TOTALNITROGEN, N03/N02-4500, TNITROGEN, TP04-4500, TSS-2540

L2555938-06 TRIP BLANK

1 S0 05SEP25 00:00
Only one result per compound. If a sample requires High AND Low Levels ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound Galbraith will not send packages (L4 packages) NYTCL-8270 SIM Report list built NYTCL-8270-LV: Report list built: Non-Routine: 1 2 4 5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260: Report list built: including Non-Routine: Frebn-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane Package Due Date: 09/22/25

NYTCL-8260

Page 3

Logged By: Kelly Stenstrom

NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 2 <i>(See Back Page)</i>		Date Rec'd in Lab 9/6/25		L2555938 ROUX - NY Billing Information	
Client Information Client: ROUX Env Eng & Geology, DPC Address: 209 Shafter Street Islindia, NY 11749-5074 Phone: 631-232-2600 Fax: 631-232-2600 Email: arienvolno@rouxinc.com		Project Information Project Name: Coram Groundwater Event Project Location: 416 Miller Place-Yaphank Road Project #: (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ ASP-C ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other	
Project Manager: Ashley Iervolino ALPHA Quote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		ANALYSIS NYTCL-8260 NYTCL-8270/SIM-RVT TAL600/TAL-2007S TDS-2540/TSS-2540 Cl-4500/B-300 NO3/NO2-4500-PPB TOTALNITROGEN		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Sample Filtration ☒ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)		Sample Specific Comments	
These samples have been previously analyzed by Alpha ☐		Other project specific requirements/comments:		Please specify Metals or TAL.		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.	
Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle K/E = Zn Ac/NaOH O = Other		Container Type Preservative		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Relinquished By: <i>Anthony Green</i> Date/Time: 9/5/25 1800		Received By: <i>Anthony Green</i> Date/Time: 9/5/25 1430	
Sample ID MW-13S MW-13D MW-10S MW-10D SCDOH-DR Trip Blank		Collection Date: 9/5/25 Time: 0900 0855 1010 1015 1130		Sample Matrix AQ V		Sampler's Initials EM V		Sample Specific Comments	

NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 6 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 2 of 2		Date Rec'd in Lab 9/16/25		AL	
Client Information Client: ROUX Env Eng & Geology, DPC Address: 209 Shafter Street Islandia, NY 11749-5074 Phone: 631-232-2600 Fax: Email: aiervolino@rouxinc.com		Project Information Project Name: Coram Groundwater Event Project Location: 416 Miller Place-Yaphank Road Project # (Use Project name as Project #) ☐ Project Manager: Ashley Iervolino ALPHACode #: 25147 Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #		L2555938 ROUX - NY	
Other project specific requirements/comments:		ANALYSIS		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities Disposal Facility ☐ NJ ☐ NY ☐ Other:		Sample Filtration ☒ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)	
Please specify Metals or TAL.		Sample ID		Collection		Sample Matrix		Sampler's Initials	
ALPHA Lab ID (Lab Use Only)		Date Time		Date Time		Date Time		Date Time	
55938-01 MW-135 9/5/25 0900 EM		9/5/25 0900		AQ		TP04-4500		AIK-C03-2320/AIK-HC03-23	
02 MW-13D 9/5/25 1010		9/5/25 1010		↓		↓		↓	
03 MW-105 9/5/25 1015		9/5/25 1015		↓		↓		↓	
04 MW-10D 9/5/25 1130		9/5/25 1130		↓		↓		↓	
05 SCOH-OR		9/5/25 1130		↓		↓		↓	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ I/E = Zn AcNaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Received By:	
Relinquished By:		Date/Time		Date/Time		Date/Time		Date/Time	
Brian Whitely 9/5/25		9/5/25		1800		1430		1430	
JPL Bitty 9/5/25		9/5/25		1800		1430		1430	
WND-Sandila 9/5/25		9/5/25		1800		1430		1430	

Organics

GC/MS 8260 Analysis

Volatiles QC Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2555938
Project Number: 2232.0006Y005
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-13S (L2555938-01)	123	103	102	108	0
MW-13D (L2555938-02)	122	103	99	106	0
MW-10S (L2555938-03)	122	100	102	105	0
MW-10D (L2555938-04)	127	104	98	109	0
SCDOH-DR (L2555938-05)	123	103	99	109	0
WG2113862-3LCS	110	104	96	102	0
WG2113862-4LCSD	113	104	96	101	0
WG2113862-5BLANK	109	102	98	100	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

* Values outside of QC limits

FORM II NYTCL-8260



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2555938
Project Name : CORAM MATERIALS **Project Number** : 2232.0006Y005
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG2113862-3 **Analysis Date** : 09/11/25 07:20 **File ID** : VG250911A01
LCSD Sample ID : WG2113862-4 **Analysis Date** : 09/11/25 07:46 **File ID** : VG250911A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	9.5	95	10	9.8	98	3	70-130	20
1,1-Dichloroethane	10	11	110	10	11	110	0	70-130	20
Chloroform	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	10	9.3	93	10	9.7	97	4	63-132	20
1,2-Dichloropropane	10	10	100	10	11	110	10	70-130	20
Dibromochloromethane	10	9.1	91	10	9.7	97	6	63-130	20
1,1,2-Trichloroethane	10	9.6	96	10	10	100	4	70-130	20
Tetrachloroethene	10	9.8	98	10	9.6	96	2	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	9.5	95	10	9.0	90	5	62-150	20
1,2-Dichloroethane	10	10	100	10	11	110	10	70-130	20
1,1,1-Trichloroethane	10	9.7	97	10	9.6	96	1	67-130	20
Bromodichloromethane	10	9.8	98	10	10	100	2	67-130	20
trans-1,3-Dichloropropene	10	9.3	93	10	9.9	99	6	70-130	20
cis-1,3-Dichloropropene	10	9.6	96	10	9.8	98	2	70-130	20
Bromoform	10	8.1	81	10	8.9	89	9	54-136	20
1,1,2,2-Tetrachloroethane	10	8.8	88	10	10	100	13	67-130	20
Benzene	10	10	100	10	10	100	0	70-130	20
Toluene	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	10	10	100	10	9.9	99	1	70-130	20
Chloromethane	10	9.9	99	10	9.8	98	1	64-130	20
Bromomethane	10	4.0	40	10	4.3	43	7	39-139	20
Vinyl chloride	10	9.7	97	10	9.4	94	3	55-140	20
Chloroethane	10	12	120	10	12	120	0	55-138	20
1,1-Dichloroethene	10	9.4	94	10	9.7	97	3	61-145	20
trans-1,2-Dichloroethene	10	9.9	99	10	9.9	99	0	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2555938
Project Name : CORAM MATERIALS **Project Number** : 2232.0006Y005
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG2113862-3 **Analysis Date** : 09/11/25 07:20 **File ID** : VG250911A01
LCSD Sample ID : WG2113862-4 **Analysis Date** : 09/11/25 07:46 **File ID** : VG250911A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Trichloroethene	10	10	100	10	9.5	95	5	70-130	20
1,2-Dichlorobenzene	10	9.6	96	10	10	100	4	70-130	20
1,3-Dichlorobenzene	10	9.8	98	10	9.8	98	0	70-130	20
1,4-Dichlorobenzene	10	9.9	99	10	9.8	98	1	70-130	20
Methyl tert butyl ether	10	9.4	94	10	10	100	6	63-130	20
p/m-Xylene	20	20	100	20	20	100	0	70-130	20
o-Xylene	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	10	9.6	96	10	9.9	99	3	70-130	20
Styrene	20	19	95	20	19	95	0	70-130	20
Dichlorodifluoromethane	10	9.5	95	10	8.9	89	7	36-147	20
Acetone	10	10	100	10	11	110	10	58-148	20
Carbon disulfide	10	10	100	10	10	100	0	51-130	20
2-Butanone	10	11	110	10	12	120	9	63-138	20
4-Methyl-2-pentanone	10	8.4	84	10	9.9	99	16	59-130	20
2-Hexanone	10	9.0	90	10	11	110	20	57-130	20
Bromochloromethane	10	10	100	10	10	100	0	70-130	20
1,2-Dibromoethane	10	9.0	90	10	9.6	96	6	70-130	20
1,2-Dibromo-3-chloropropane	10	6.9	69	10	8.2	82	17	41-144	20
Isopropylbenzene	10	10	100	10	9.8	98	2	70-130	20
1,2,3-Trichlorobenzene	10	7.4	74	10	8.2	82	10	70-130	20
1,2,4-Trichlorobenzene	10	8.3	83	10	8.8	88	6	70-130	20
Methyl Acetate	10	10	100	10	12	120	18	70-130	20
Cyclohexane	10	10	100	10	9.6	96	4	70-130	20
Freon-113	10	10	100	10	9.7	97	3	70-130	20
Methyl cyclohexane	10	9.8	98	10	9.0	90	9	70-130	20



**Method Blank Summary
Form 4
Volatiles**

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab Sample ID	: WG2113862-5	Lab File ID	: VG250911A05
Instrument ID	: GONZO		
Matrix	: WATER	Analysis Date	: 09/11/25 09:06

Client Sample No.	Lab Sample ID	Analysis Date
WG2113862-3LCS	WG2113862-3	09/11/25 07:20
WG2113862-4LCSD	WG2113862-4	09/11/25 07:46
MW-13S	L2555938-01	09/11/25 14:51
MW-13D	L2555938-02	09/11/25 15:17
MW-10S	L2555938-03	09/11/25 15:44
MW-10D	L2555938-04	09/11/25 16:10
SCDOH-DR	L2555938-05	09/11/25 16:37

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555938
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : GONZO	Analysis Date : 06/19/25 23:16
Tune Standard : WG2081469-1	Tune File ID : VG250619NBF01_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 80.0% of mass 95	45.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (.8)1
174	Greater than 50.0% of mass 95	87.3
175	5.0 - 9.0% of mass 174	7 (8)1
176	Greater than 95.0% but less than 101% of mass	84 (96.2)1
177	5.0 - 9.0% of mass 176	5.7 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1979280-1	VG250619N04	06/20/25 01:35
STD0.5PPB	R1979280-2	VG250619N06	06/20/25 02:28
STD2PPB	R1979280-3	VG250619N08	06/20/25 03:21
STD10PPB	R1979280-4	VG250619N10	06/20/25 04:15
STD30PPB	R1979280-5	VG250619N11	06/20/25 04:41
STD80PPB	R1979280-7	VG250619N12	06/20/25 05:08
STD120PPB	R1979280-6	VG250619N13	06/20/25 05:34
STD200PPB	R1979280-8	VG250619N14	06/20/25 06:01
Correlation Data Summary	R1979280-9	VG250619N19	06/20/25 08:14
ICV Quant Report	R1979280-9	VG250619N19	06/20/25 08:14



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555938
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : GONZO	Analysis Date : 09/11/25 07:06
Tune Standard : WG2113862-1	Tune File ID : VG250911ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 80.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.1 (1.2)1
174	Greater than 50.0% of mass 95	89.3
175	5.0 - 9.0% of mass 174	7.4 (8.2)1
176	Greater than 95.0% but less than 101% of mass	89.2 (99.9)1
177	5.0 - 9.0% of mass 176	6 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2113862-2CCAL	WG2113862-2	VG250911A01	09/11/25 07:20
WG2113862-3LCS	WG2113862-3	VG250911A01	09/11/25 07:20
WG2113862-4LCSD	WG2113862-4	VG250911A02	09/11/25 07:46
WG2113862-5BLANK	WG2113862-5	VG250911A05	09/11/25 09:06
MW-13S	L2555938-01	VG250911A18	09/11/25 14:51
MW-13D	L2555938-02	VG250911A19	09/11/25 15:17
MW-10S	L2555938-03	VG250911A20	09/11/25 15:44
MW-10D	L2555938-04	VG250911A21	09/11/25 16:10
SCDOH-DR	L2555938-05	VG250911A22	09/11/25 16:37



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : GONZO
 Sample No : WG2113862-2

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Analysis Date : 09/11/25 07:20:00
 Lab File ID : VG250911A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2113862-2	503476	5.95	390080	9.48	223601	12.19
Upper Limit	1006952	6.45	780160	9.98	447202	12.69
Lower Limit	251738	5.45	195040	8.98	111801	11.69
Sample ID						
WG2113862-3 LCS	503476	5.95	390080	9.48	223601	12.19
WG2113862-4 LCSD	444665	5.95	345017	9.48	197997	12.19
WG2113862-5 BLANK	428105	5.95	322981	9.48	176631	12.20
MW-13S	448893	5.95	336410	9.48	175278	12.20
MW-13D	448151	5.95	331574	9.48	178788	12.20
MW-10S	443686	5.95	339483	9.48	176066	12.20
MW-10D	420160	5.95	315077	9.48	169294	12.20
SCDOH-DR	413341	5.95	308984	9.48	162675	12.20

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20	
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20	
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20	
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20	
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20	
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20	
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20	
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20	
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25	
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20	
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20	
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20	
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20	
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20	
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20	
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l	70-130	20	70-130	20	20	
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20	
Bromoforn	75-25-2	2	0.248	ug/l	70-130	20	70-130	20	20	
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	64-136	20	54-136	20	20	
Benzene	71-43-2	0.5	0.159	ug/l	67-130	20	67-130	20	20	
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25	
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20	
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20	
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20	
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20	
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20	
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25	
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20	
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l	70-130	20	70-130	20	20	
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25	
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20	
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20	
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20	
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20	
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20	
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20	
Xylene (Total)	1330-20-7	1	0.33	ug/l	70-130	20	70-130	20	20	
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20	
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20	
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20	
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20	
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20	

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



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Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Please Note that the RL information provided in this table is calculated using a 100 % Solids factor. (Soil/Solids only)



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Volatiles Sample Data

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-01
 Client ID : MW-13S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 09:00
 Date Received : 09/05/25
 Date Analyzed : 09/11/25 14:51
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-01
 Client ID : MW-13S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 09:00
 Date Received : 09/05/25
 Date Analyzed : 09/11/25 14:51
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 14:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250911A18	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-02
 Client ID : MW-13D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 08:55
 Date Received : 09/05/25
 Date Analyzed : 09/11/25 15:17
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-02
 Client ID : MW-13D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 08:55
 Date Received : 09/05/25
 Date Analyzed : 09/11/25 15:17
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 15:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250911A19	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-03
 Client ID : MW-10S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A20
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 10:10
 Date Received : 09/05/25
 Date Analyzed : 09/11/25 15:44
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-03
 Client ID : MW-10S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A20
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 10:10
 Date Received : 09/05/25
 Date Analyzed : 09/11/25 15:44
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.8	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 15:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250911A20	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-04
 Client ID : MW-10D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A21
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 10:15
 Date Received : 09/05/25
 Date Analyzed : 09/11/25 16:10
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-04
 Client ID : MW-10D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A21
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 10:15
 Date Received : 09/05/25
 Date Analyzed : 09/11/25 16:10
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 16:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250911A21	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-05
 Client ID : SCDOH-DR
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 11:30
 Date Received : 09/05/25
 Date Analyzed : 09/11/25 16:37
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-05
 Client ID : SCDOH-DR
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 11:30
 Date Received : 09/05/25
 Date Analyzed : 09/11/25 16:37
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/11/25 16:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG250911A22	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2113862-5
 Client ID : WG2113862-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/11/25 09:06
 Dilution Factor : 1
 Analyst : PID
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2113862-5
 Client ID : WG2113862-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG250911A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/11/25 09:06
 Dilution Factor : 1
 Analyst : PID
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: WG2113862-5	Date Collected	: NA
Client ID	: WG2113862-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/11/25 09:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG250911A05	Instrument ID	: GONZO
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A18.D
 Acq On : 11 Sep 2025 2:51 pm
 Operator : GONZO:mjv
 Sample : L2555938-01,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 12 08:06:29 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.949	96	448893	10.000	ug/L	0.00
Standard Area 1 = 503476			Recovery	=	89.16%	
59) Chlorobenzene-d5	9.477	117	336410	10.000	ug/L	0.00
Standard Area 1 = 390080			Recovery	=	86.24%	
79) 1,4-Dichlorobenzene-d4	12.198	152	175278	10.000	ug/L	0.00
Standard Area 1 = 223601			Recovery	=	78.39%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	126067	10.819	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	108.19%	
43) 1,2-Dichloroethane-d4	5.674	65	147251	12.344	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	123.44%	
60) Toluene-d8	7.636	98	431195	10.319	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.19%	
83) 4-Bromofluorobenzene	10.981	95	147965	10.235	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.35%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0		N.D.	
3) Chloromethane	0.000		0		N.D.	
4) Vinyl chloride	0.000		0		N.D.	
5) Bromomethane	2.183	94	673	0.097	ug/L	96
6) Chloroethane	0.000		0		N.D.	
7) Trichlorofluoromethane	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
11) Carbon disulfide	2.937	76	859		N.D.	
12) Freon-113	0.000		0		N.D.	
15) Methylene chloride	0.000		0		N.D.	
17) Acetone	3.485	43	74		N.D.	
18) trans-1,2-Dichloroethene	0.000		0		N.D.	
19) Methyl acetate	3.627	43	66		N.D.	
20) Methyl tert-butyl ether	0.000		0		N.D.	
23) 1,1-Dichloroethane	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
30) Bromochloromethane	0.000		0		N.D.	
31) Cyclohexane	0.000		0		N.D.	
32) Chloroform	4.979	83	175		N.D.	
34) Carbon tetrachloride	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A18.D
 Acq On : 11 Sep 2025 2:51 pm
 Operator : GONZO:mjv
 Sample : L2555938-01,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 12 08:06:29 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	5.221	43	70		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	
47)	Methyl cyclohexane	0.000		0		N.D.	
48)	Trichloroethene	6.105	95	240		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	7.685	92	88		N.D.	
62)	4-Methyl-2-pentanone	7.953	58	75		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	0.000		0		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	8.983	43	80		N.D.	
73)	Chlorobenzene	0.000		0		N.D.	
74)	Ethylbenzene	9.484	91	633		N.D.	
76)	p/m Xylene	0.000		0		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	10.479	173	75		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	12.219	146	73		N.D.	
101)	1,4-Dichlorobenzene	12.219	146	73		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	13.634	155	69		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

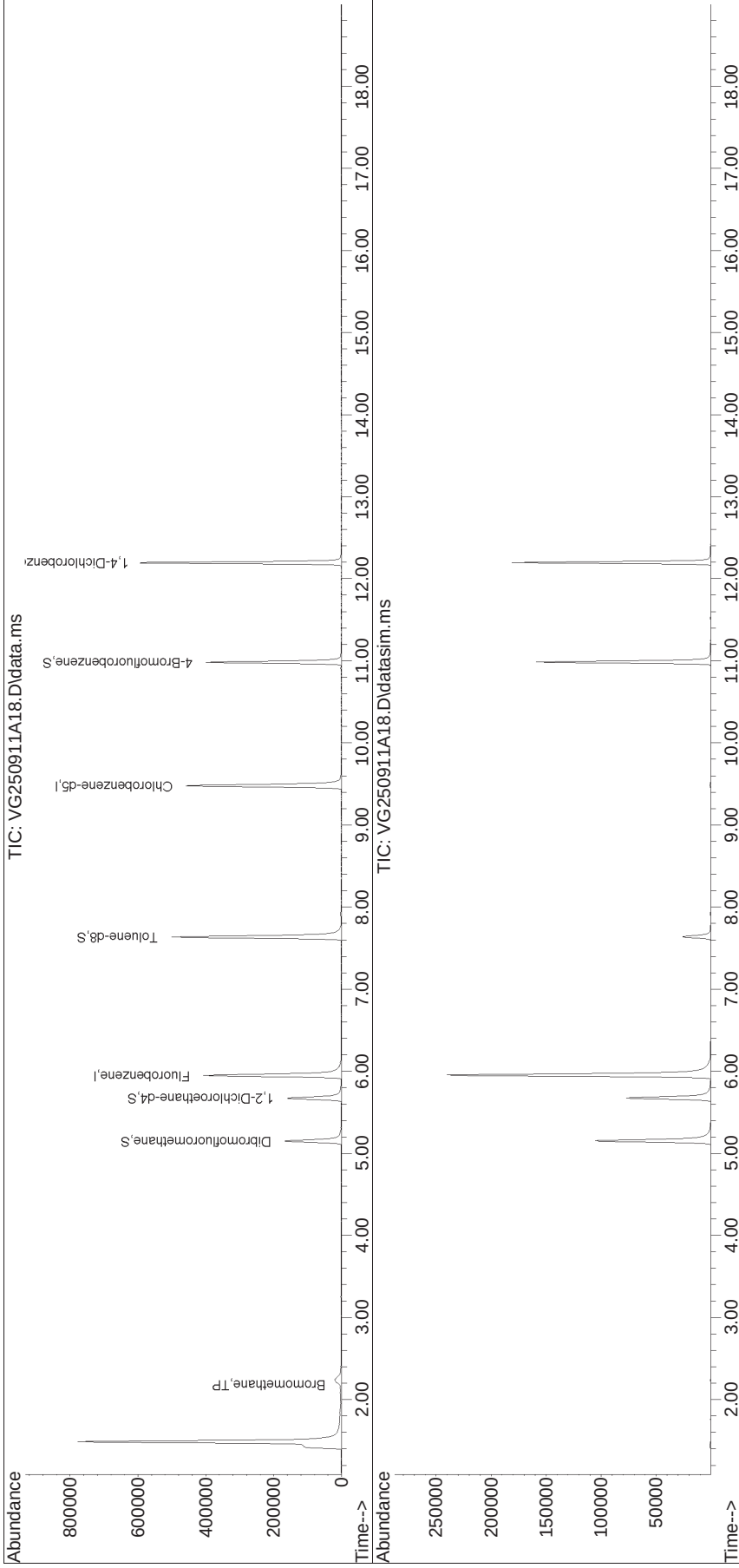
(#) = qualifier out of range (m) = manual integration (+) = signals summed

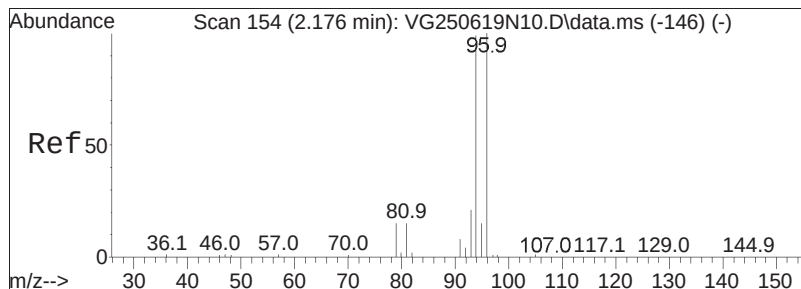
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
Data File : VG250911A18.D
Acq On : 11 Sep 2025 2:51 pm
Operator : GONZO:mjv
Sample : L2555938-01,31,10,10,,A
Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 12 08:06:29 2025
Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

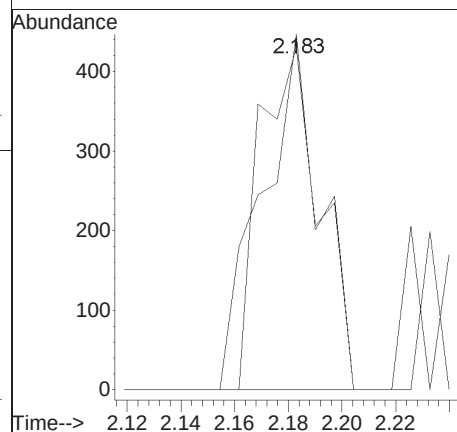
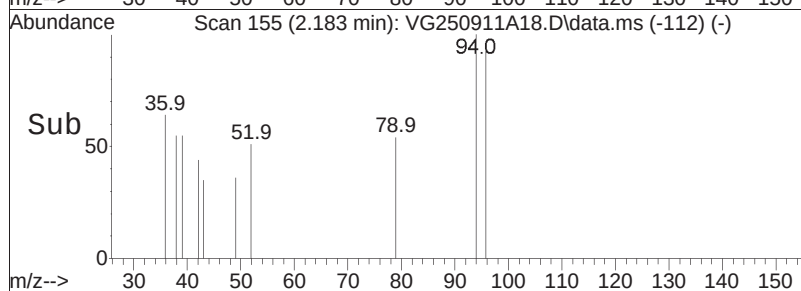
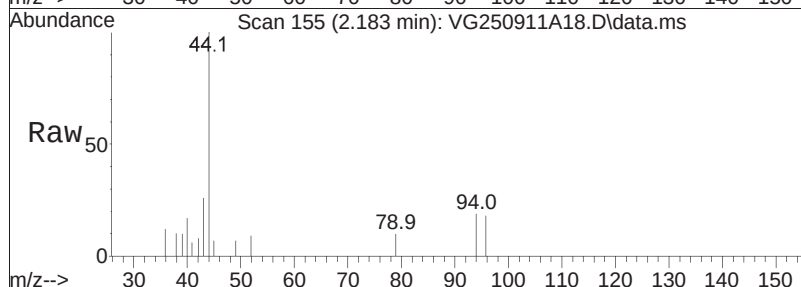
SOURCE(s) : 8260KMXGONZO\00900050211ANVSZ50911A01.D•





#5
 Bromomethane
 Concen: 0.10 ug/L
 RT: 2.183 min Scan# 155
 Delta R.T. 0.007 min
 Lab File: VG250911A18.D
 Acq: 11 Sep 2025 2:51 pm

Tgt Ion: 94 Resp: 673
 Ion Ratio Lower Upper
 94 100
 96 99.7 75.8 115.8



Manual Integration Report

Data Path	: K:\Gonzo\2025\250911A\	QMethod	: G_250619N_8260.m
Data File	: VG250911A18.D	Operator	: GONZO:mjv
Date Inj'd	: 9/11/2025 2:51 pm	Instrument	: Gonzo
Sample	: L2555938-01,31,10,10,,A	Quant Date	: 9/12/2025 7:53 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A19.D
 Acq On : 11 Sep 2025 3:17 pm
 Operator : GONZO:mjv
 Sample : L2555938-02,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 12 08:24:52 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	448151	10.000	ug/L	0.00
Standard Area 1 = 503476			Recovery	=	89.01%	
59) Chlorobenzene-d5	9.477	117	331574	10.000	ug/L	0.00
Standard Area 1 = 390080			Recovery	=	85.00%	
79) 1,4-Dichlorobenzene-d4	12.198	152	178788	10.000	ug/L	0.00
Standard Area 1 = 223601			Recovery	=	79.96%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	123518	10.618	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	106.18%	
43) 1,2-Dichloroethane-d4	5.667	65	145408	12.209	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	122.09%	
60) Toluene-d8	7.636	98	424138	10.298	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.98%	
83) 4-Bromofluorobenzene	10.981	95	146099	9.908	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.08%	
Target Compounds						
2) Dichlorodifluoromethane	1.493	85	64	N.D.		
3) Chloromethane	1.842	50	158	N.D.		
4) Vinyl chloride	2.076	62	102	N.D.		
5) Bromomethane	2.176	94	821	0.119	ug/L #	74
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.944	76	579	N.D.		
12) Freon-113	3.129	101	73	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.542	43	1064	0.555	ug/L #	70
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.691	73	1426	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.716	96	67	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.972	83	4103	0.256	ug/L	96
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A19.D
 Acq On : 11 Sep 2025 3:17 pm
 Operator : GONZO:mjv
 Sample : L2555938-02,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 12 08:24:52 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	d
39)	2-Butanone	5.150	43	90		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	5.738	62	110		N.D.	
47)	Methyl cyclohexane	0.000		0		N.D.	
48)	Trichloroethene	0.000		0		N.D.	
51)	1,2-Dichloropropane	6.676	63	72		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	7.692	92	152		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	0.000		0		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	9.287	43	68		N.D.	
73)	Chlorobenzene	9.583	112	73		N.D.	
74)	Ethylbenzene	9.477	91	605		N.D.	
76)	p/m Xylene	9.753	106	76		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	10.388	173	70		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	14.518	180	72		N.D.	

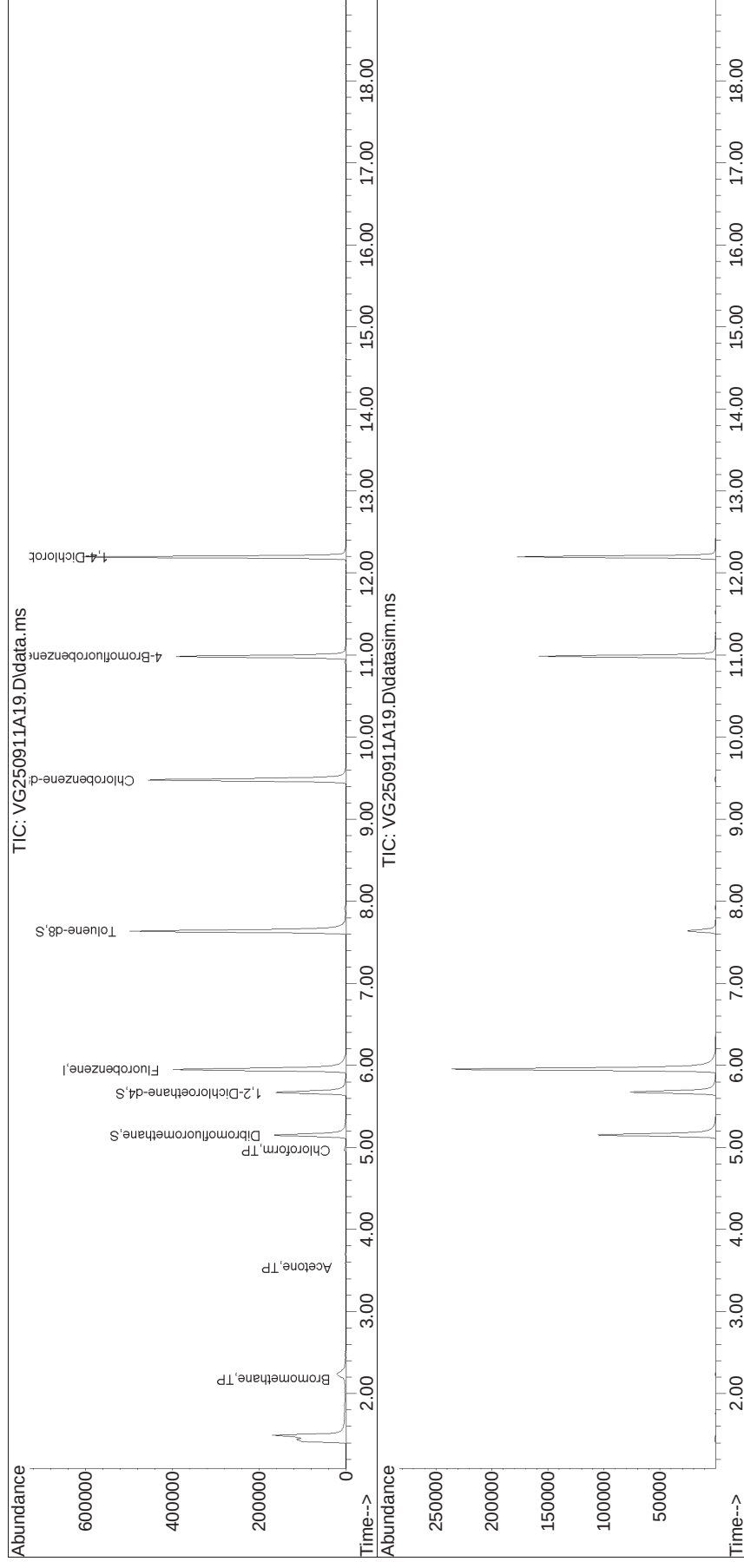
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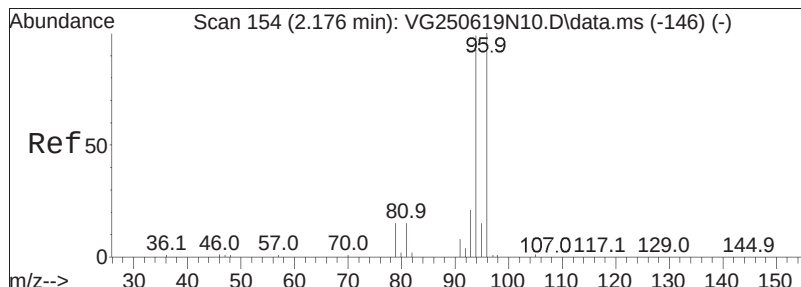
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
Data File : VG250911A19.D
Acq On : 11 Sep 2025 3:17 pm
Operator : GONZO:mjv
Sample : L2555938-02,31,10,10,,A
Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 12 08:24:52 2025
Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

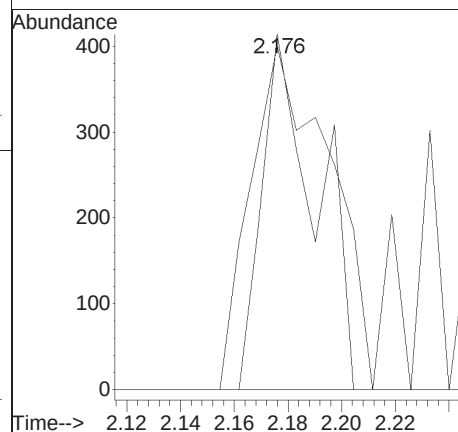
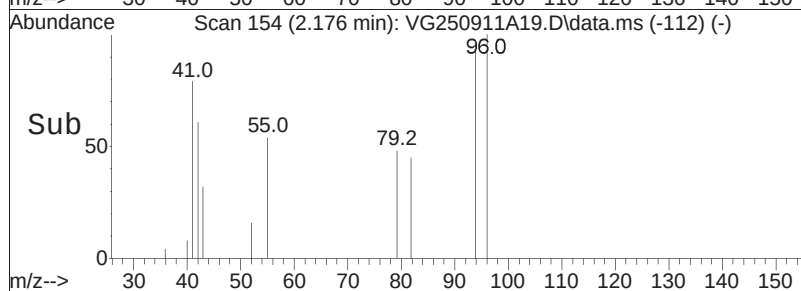
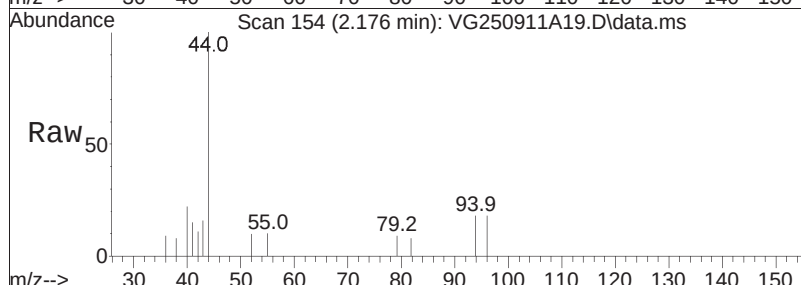
60ALLISTE(s) : 8260KN\Gonzo\250911A\VG250911A01.D•

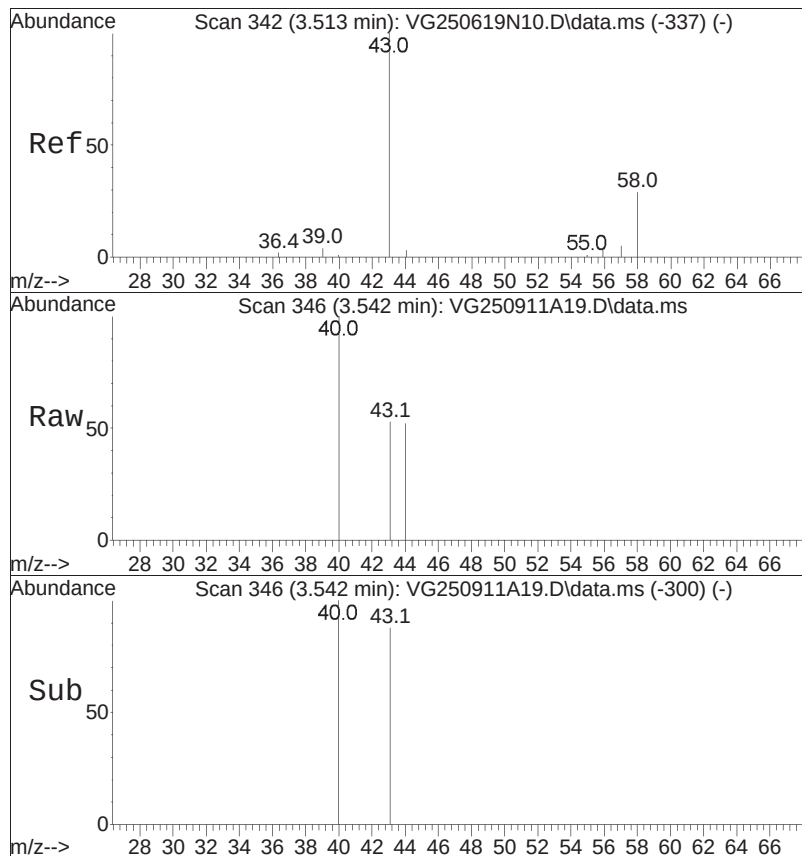




#5
 Bromomethane
 Concen: 0.12 ug/L
 RT: 2.176 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VG250911A19.D
 Acq: 11 Sep 2025 3:17 pm

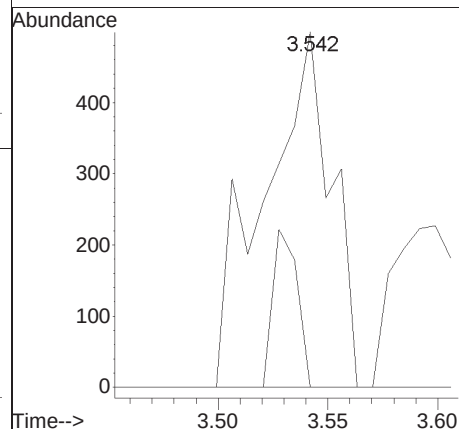
Tgt Ion: 94 Resp: 821
 Ion Ratio Lower Upper
 94 100
 96 70.8 75.8 115.8#

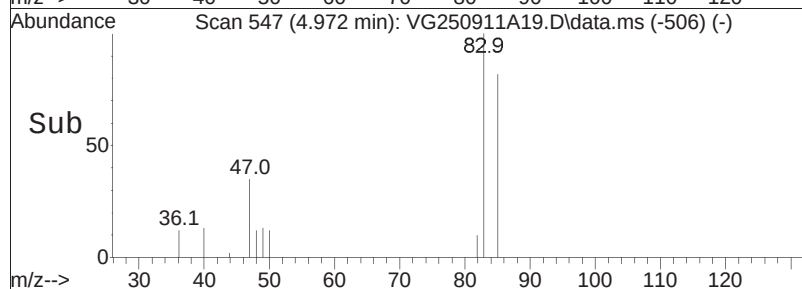
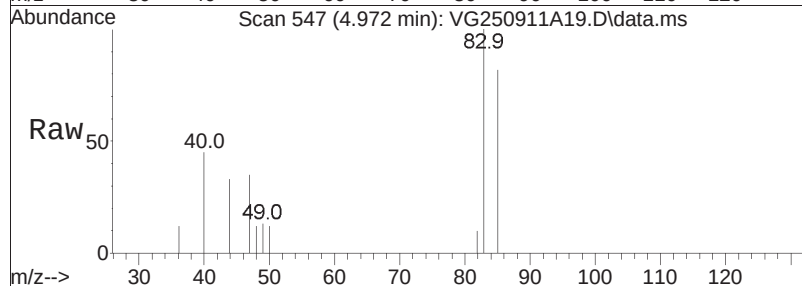
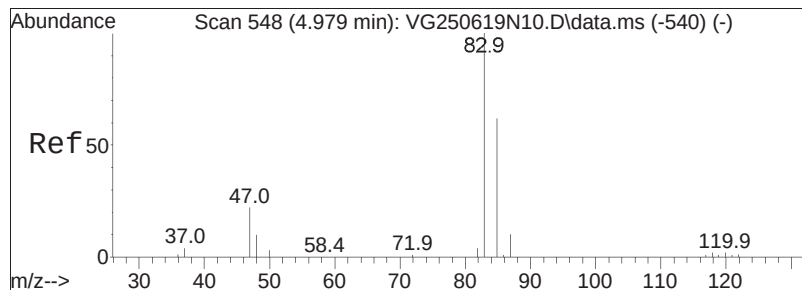




#17
 Acetone
 Concen: 0.55 ug/L
 RT: 3.542 min Scan# 346
 Delta R.T. 0.029 min
 Lab File: VG250911A19.D
 Acq: 11 Sep 2025 3:17 pm

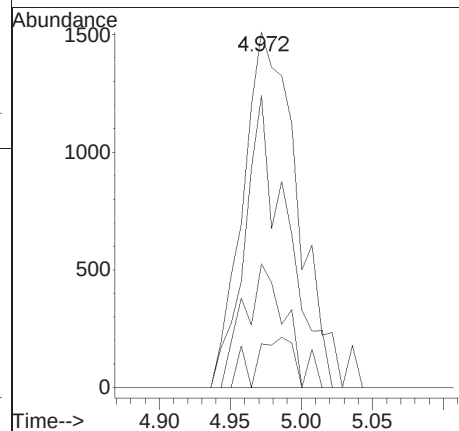
Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.1	26.2	39.2#





#32
 Chloroform
 Concen: 0.26 ug/L
 RT: 4.972 min Scan# 547
 Delta R.T. -0.007 min
 Lab File: VG250911A19.D
 Acq: 11 Sep 2025 3:17 pm

Tgt	Ion: 83	Resp:	4103
Ion	Ratio	Lower	Upper
83	100		
85	63.1	40.8	84.6
47	26.7	13.5	28.1
48	9.8	7.2	15.0



Manual Integration Report

Data Path	: K:\Gonzo\2025\250911A\	QMethod	: G_250619N_8260.m
Data File	: VG250911A19.D	Operator	: GONZO:mjv
Date Inj'd	: 9/11/2025 3:17 pm	Instrument	: Gonzo
Sample	: L2555938-02,31,10,10,,A	Quant Date	: 9/12/2025 7:53 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A20.D
 Acq On : 11 Sep 2025 3:44 pm
 Operator : GONZO:mjv
 Sample : L2555938-03,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 08:25:05 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	443686	10.000	ug/L	0.00
Standard Area 1 = 503476			Recovery	=	88.12%	
59) Chlorobenzene-d5	9.477	117	339483	10.000	ug/L	0.00
Standard Area 1 = 390080			Recovery	=	87.03%	
79) 1,4-Dichlorobenzene-d4	12.198	152	176066	10.000	ug/L	0.00
Standard Area 1 = 223601			Recovery	=	78.74%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	120623	10.474	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	104.74%	
43) 1,2-Dichloroethane-d4	5.674	65	144169	12.227	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	122.27%	
60) Toluene-d8	7.636	98	422684	10.024	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.24%	
83) 4-Bromofluorobenzene	10.981	95	147422	10.152	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.52%	
Target Compounds						
2) Dichlorodifluoromethane	0.000		0		N.D.	Qvalue
3) Chloromethane	1.799	50	92		N.D.	
4) Vinyl chloride	0.000		0		N.D.	
5) Bromomethane	2.169	94	198		N.D.	
6) Chloroethane	2.233	64	73		N.D.	
7) Trichlorofluoromethane	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
11) Carbon disulfide	2.944	76	650		N.D.	
12) Freon-113	0.000		0		N.D.	
15) Methylene chloride	0.000		0		N.D.	
17) Acetone	3.528	43	3375M3	1.777	ug/L	
18) trans-1,2-Dichloroethene	0.000		0		N.D.	
19) Methyl acetate	0.000		0		N.D.	d
20) Methyl tert-butyl ether	0.000		0		N.D.	
23) 1,1-Dichloroethane	4.118	63	81		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
30) Bromochloromethane	0.000		0		N.D.	
31) Cyclohexane	0.000		0		N.D.	
32) Chloroform	0.000		0		N.D.	
34) Carbon tetrachloride	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A20.D
 Acq On : 11 Sep 2025 3:44 pm
 Operator : GONZO:mjv
 Sample : L2555938-03,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 08:25:05 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	5.164	43	69		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	
47)	Methyl cyclohexane	0.000		0		N.D.	
48)	Trichloroethene	6.084	95	252		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	7.636	75	162		N.D.	
61)	Toluene	7.692	92	154		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	0.000		0		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	0.000		0		N.D.	
73)	Chlorobenzene	0.000		0		N.D.	
74)	Ethylbenzene	9.484	91	805		N.D.	
76)	p/m Xylene	0.000		0		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	12.205	146	88		N.D.	
101)	1,4-Dichlorobenzene	12.205	146	88		N.D.	
104)	1,2-Dichlorobenzene	12.707	146	64		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

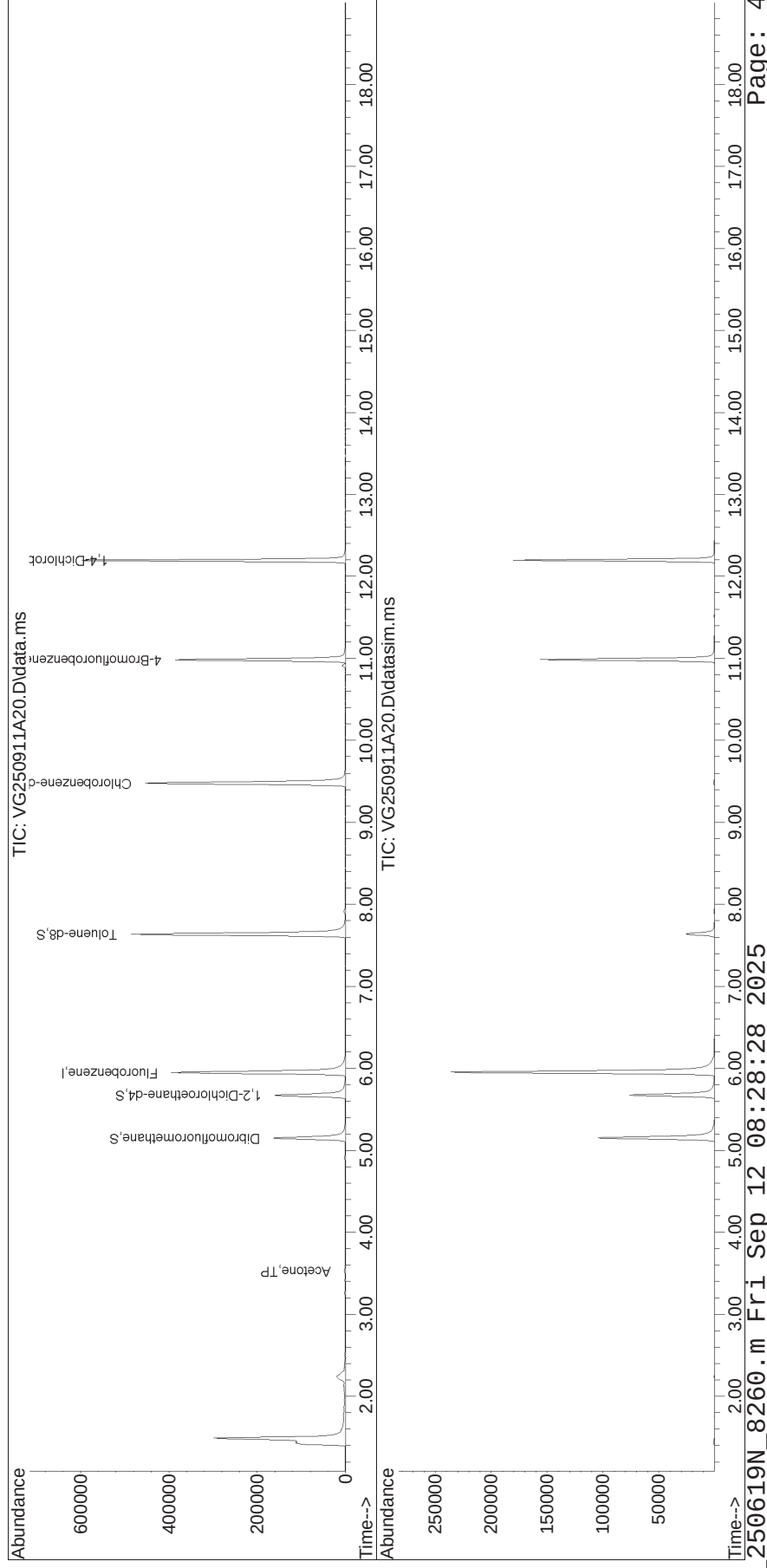
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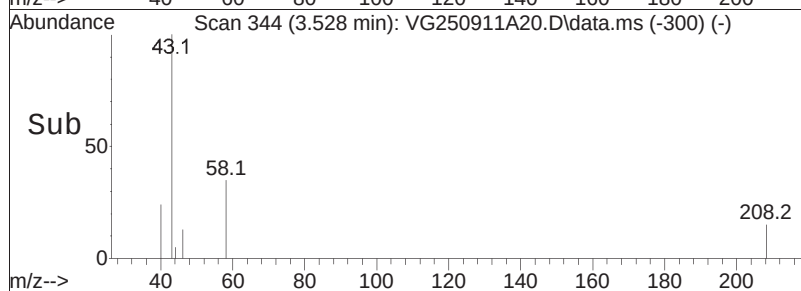
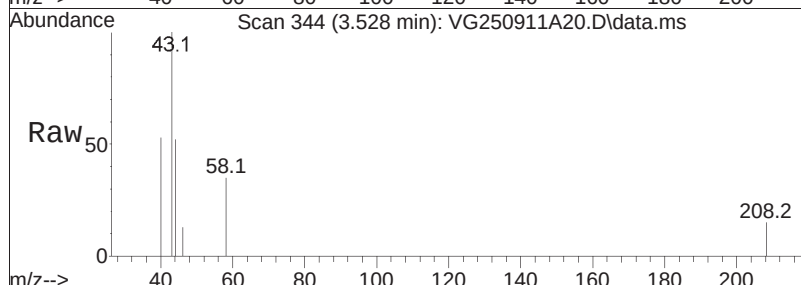
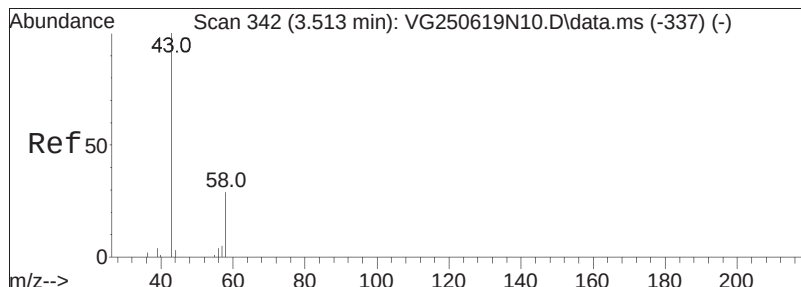
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A20.D
 Acq On : 11 Sep 2025 3:44 pm
 Operator : GONZO:mjv
 Sample : L2555938-03,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 08:25:05 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 Qlast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

60ALL1E1E(s) : 8260KN\GONZO\0080M050211ANV6750911A01.D•





#17

Acetone

Concen: 1.78 ug/L M3

RT: 3.528 min Scan# 344

Delta R.T. 0.015 min

Lab File: VG250911A20.D

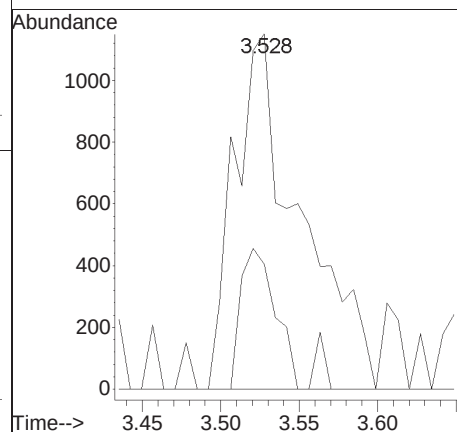
Acq: 11 Sep 2025 3:44 pm

Tgt Ion: 43 Resp: 3375

Ion Ratio Lower Upper

43 100

58 2.3 26.2 39.2#

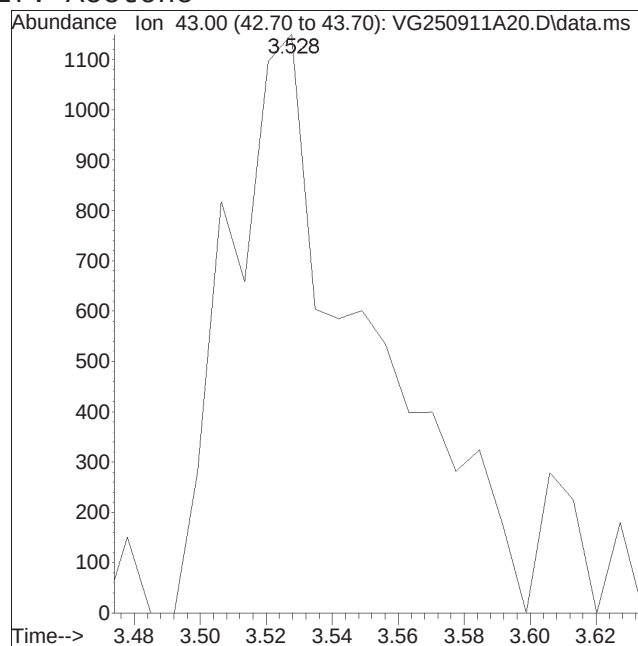
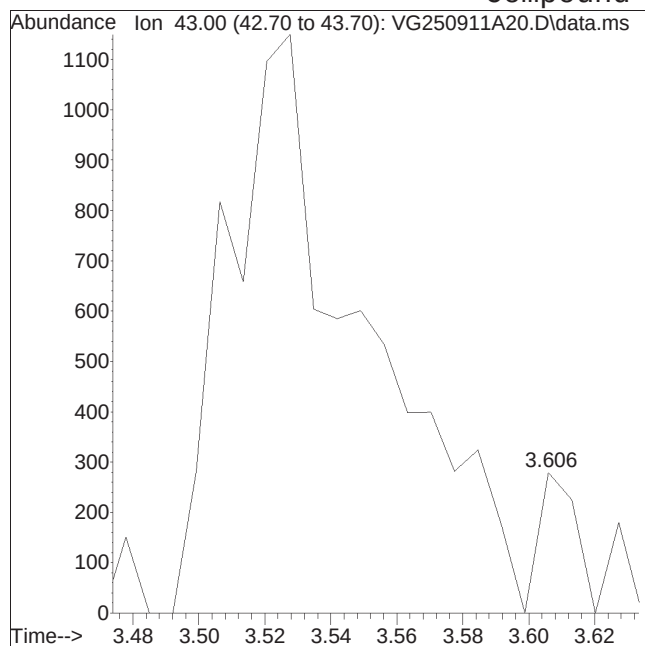


Manual Integration Report

Data Path : K:\Gonzo\2025\250911A\
Data File : VG250911A20.D
Date Inj'd : 9/11/2025 3:44 pm
Sample : L2555938-03,31,10,10,,A

QMethod : G_250619N_8260.m
Operator : GONZO:mjv
Instrument : Gonzo
Quant Date : 9/12/2025 7:54 am

Compound #17: Acetone



Original Peak Response = 215

Manual Peak Response = 3375 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A21.D
 Acq On : 11 Sep 2025 4:10 pm
 Operator : GONZO:mjv
 Sample : L2555938-04,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 12 08:25:33 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	420160	10.000	ug/L	0.00
Standard Area 1 = 503476			Recovery	=	83.45%	
59) Chlorobenzene-d5	9.478	117	315077	10.000	ug/L	0.00
Standard Area 1 = 390080			Recovery	=	80.77%	
79) 1,4-Dichlorobenzene-d4	12.198	152	169294	10.000	ug/L	0.00
Standard Area 1 = 223601			Recovery	=	75.71%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	119115	10.922	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	109.22%	
43) 1,2-Dichloroethane-d4	5.667	65	141539	12.676	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	126.76%	
60) Toluene-d8	7.636	98	405666	10.365	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.65%	
83) 4-Bromofluorobenzene	10.981	95	136728	9.792	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.92%	
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.		Qvalue
3) Chloromethane	1.820	50	81	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.247	94	84	N.D.		
6) Chloroethane	2.240	64	300	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.959	76	809	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	4.090	63	86	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	5.121	56	84	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A21.D
 Acq On : 11 Sep 2025 4:10 pm
 Operator : GONZO:mjv
 Sample : L2555938-04,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 12 08:25:33 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	5.470	43	69		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	
47)	Methylcyclohexane	0.000		0		N.D.	
48)	Trichloroethene	6.105	95	175		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	7.692	92	93		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	8.419	75	63		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	9.132	43	70		N.D.	
73)	Chlorobenzene	0.000		0		N.D.	
74)	Ethylbenzene	9.555	91	76		N.D.	
76)	p/m Xylene	0.000		0		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	12.198	146	71		N.D.	
101)	1,4-Dichlorobenzene	12.198	146	71		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

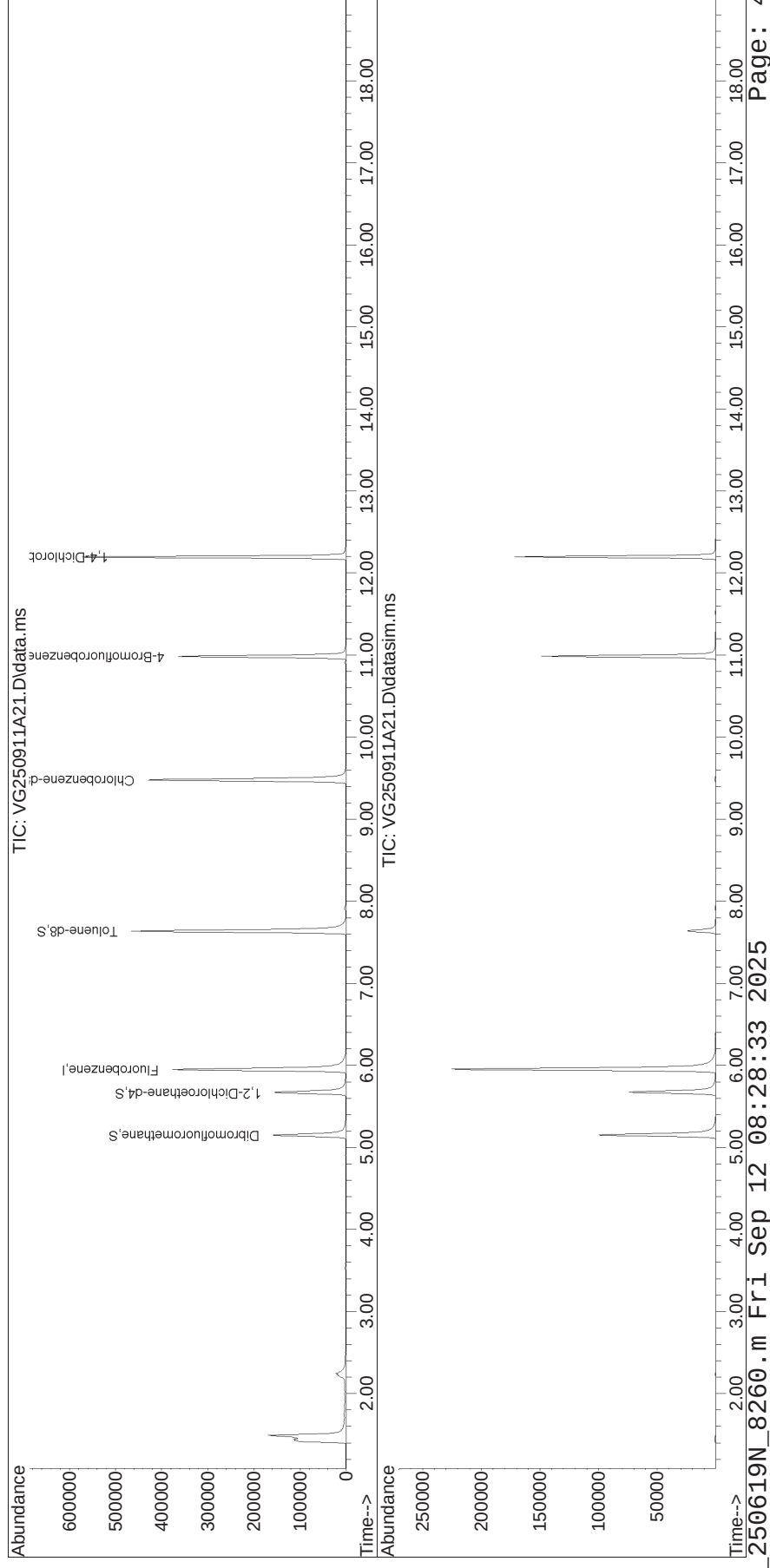
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
Data File : VG250911A21.D
Acq On : 11 Sep 2025 4:10 pm
Operator : GONZO:mjv
Sample : L2555938-04,31,10,10,,A
Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 12 08:25:33 2025
Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

SOURCE(s) : 8260KNGC8000\00800050211ANV6750911A01.D•



Manual Integration Report

Data Path	: K:\Gonzo\2025\250911A\	QMethod	: G_250619N_8260.m
Data File	: VG250911A21.D	Operator	: GONZO:mjv
Date Inj'd	: 9/11/2025 4:10 pm	Instrument	: Gonzo
Sample	: L2555938-04,31,10,10,,A	Quant Date	: 9/12/2025 7:54 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A22.D
 Acq On : 11 Sep 2025 4:37 pm
 Operator : GONZO:mjv
 Sample : L2555938-05,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 12 07:54:12 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	413341	10.000	ug/L	0.00
Standard Area 1 = 503476			Recovery	=	82.10%	
59) Chlorobenzene-d5	9.477	117	308984	10.000	ug/L	0.00
Standard Area 1 = 390080			Recovery	=	79.21%	
79) 1,4-Dichlorobenzene-d4	12.198	152	162675	10.000	ug/L	0.00
Standard Area 1 = 223601			Recovery	=	72.75%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	116632	10.871	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	108.71%	
43) 1,2-Dichloroethane-d4	5.667	65	135445	12.330	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	123.30%	
60) Toluene-d8	7.636	98	394310	10.274	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.74%	
83) 4-Bromofluorobenzene	10.981	95	132398	9.868	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.68%	
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.785	50	220	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.183	94	378	N.D.		
6) Chloroethane	2.261	64	69	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.959	76	652	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.528	43	2158	1.220	ug/L #	52
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.663	43	227	N.D.		
20) Methyl tert-butyl ether	3.713	73	1896	0.080	ug/L #	68
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.972	83	1717	0.116	ug/L #	84
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A22.D
 Acq On : 11 Sep 2025 4:37 pm
 Operator : GONZO:mjv
 Sample : L2555938-05,31,10,10,,A
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 12 07:54:12 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

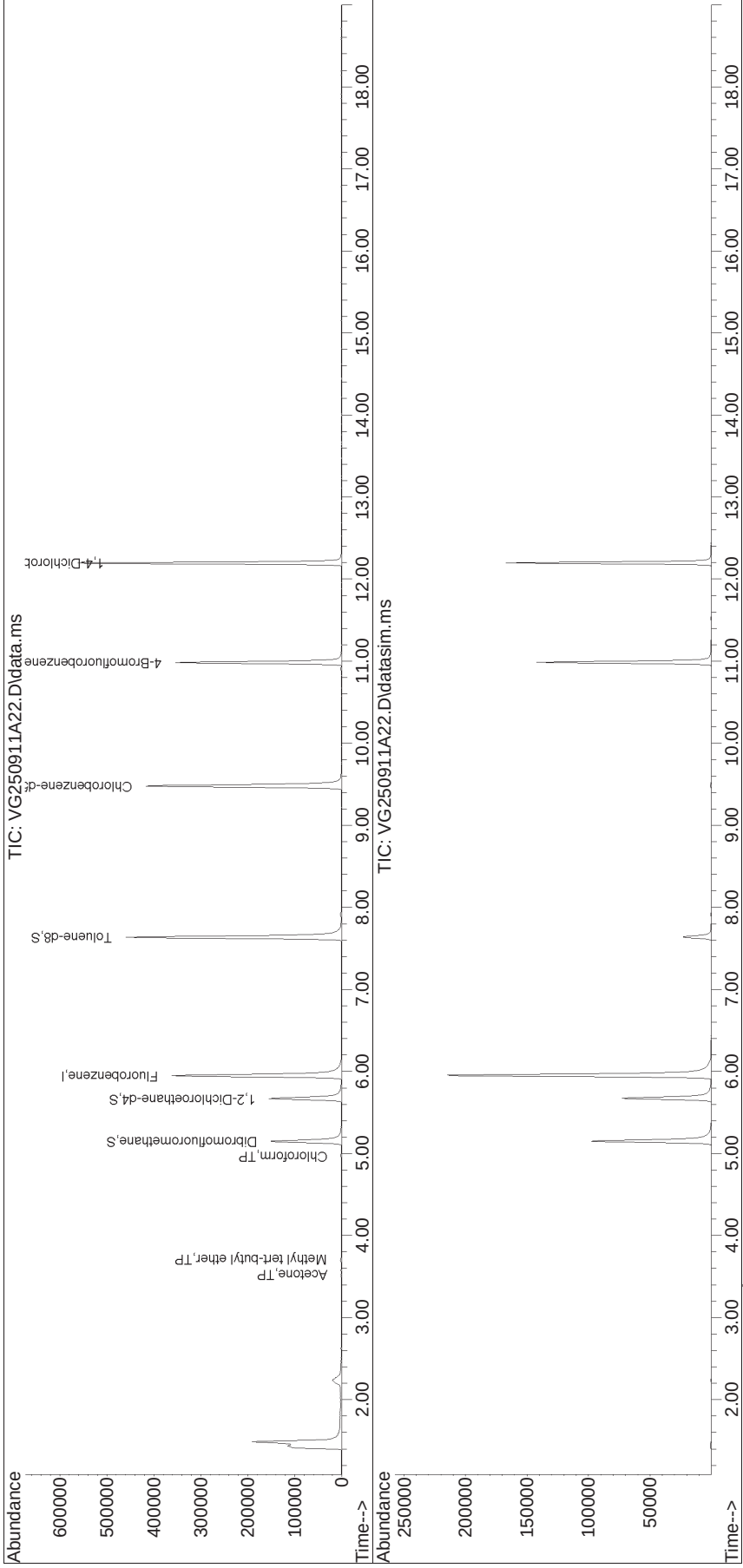
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	0.000		0		N.D.	
41)	Benzene	5.512	78	63		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	
47)	Methylcyclohexane	0.000		0		N.D.	
48)	Trichloroethene	0.000		0		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	7.643	75	66		N.D.	
61)	Toluene	0.000		0		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	8.320	75	70		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	9.075	43	75		N.D.	
73)	Chlorobenzene	9.724	112	77		N.D.	
74)	Ethylbenzene	9.477	91	593		N.D.	
76)	p/m Xylene	0.000		0		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	10.783	105	67		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

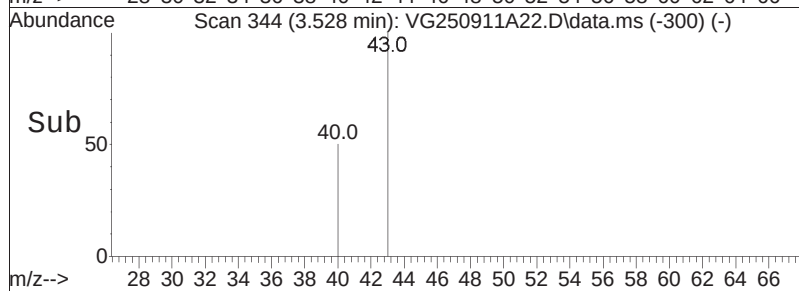
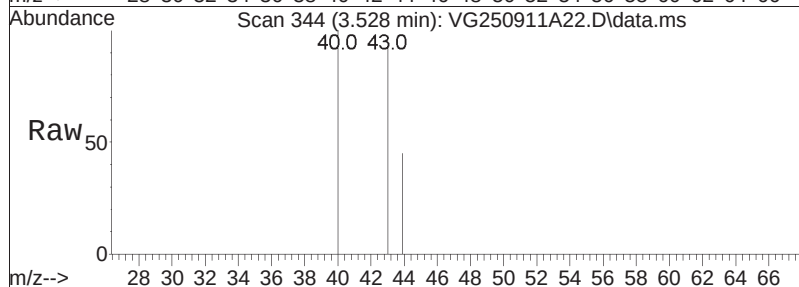
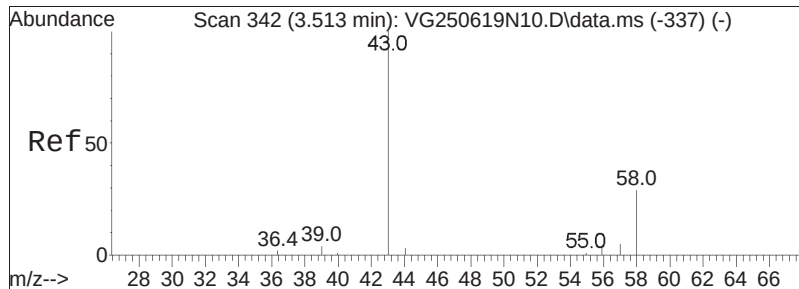
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : K:\Gonzo\2025\250911A\
Data File : VG250911A22.D
Acq On : 11 Sep 2025 4:37 pm
Operator : GONZO:mjv
Sample : L2555938-05,31,10,10,,A
Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 12 07:54:12 2025
Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

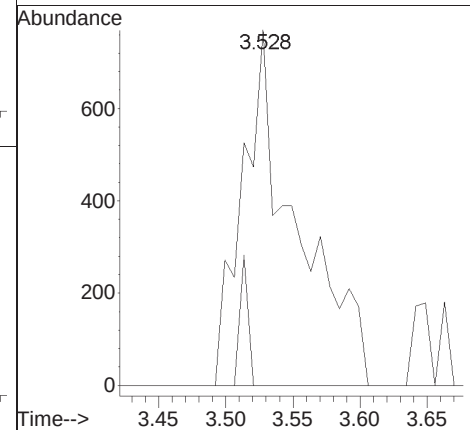
SOURCE(s) : 8260KNGC8020\0080M050211ANV6750911A01.D•

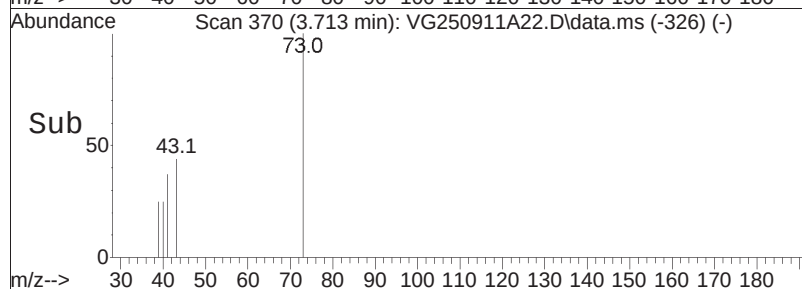
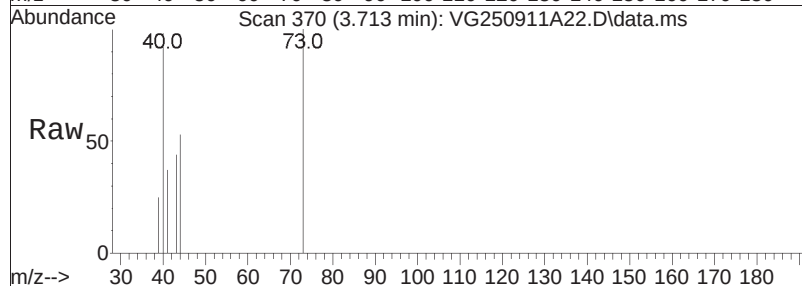
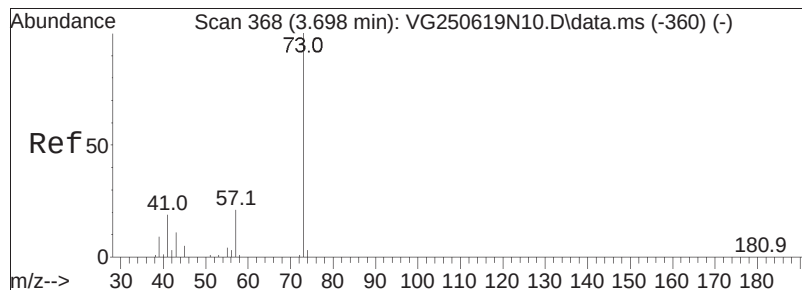




#17
 Acetone
 Concen: 1.22 ug/L
 RT: 3.528 min Scan# 344
 Delta R.T. 0.015 min
 Lab File: VG250911A22.D
 Acq: 11 Sep 2025 4:37 pm

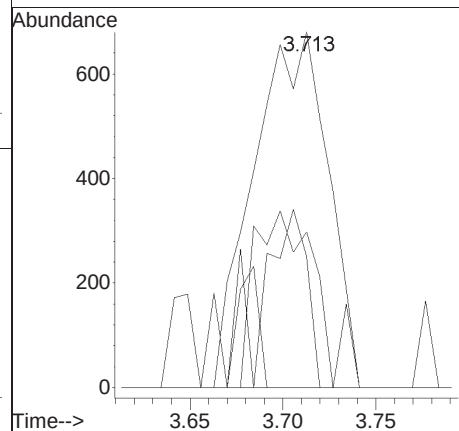
Tgt Ion: 43 Resp: 2158
 Ion Ratio Lower Upper
 43 100
 58 5.6 26.2 39.2#

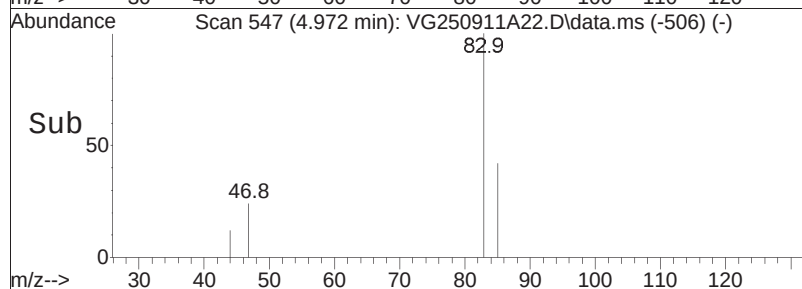
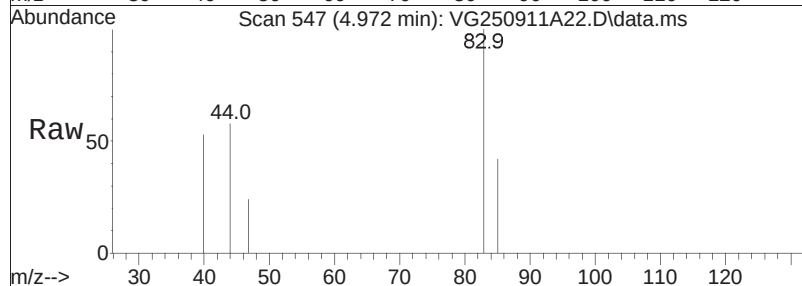
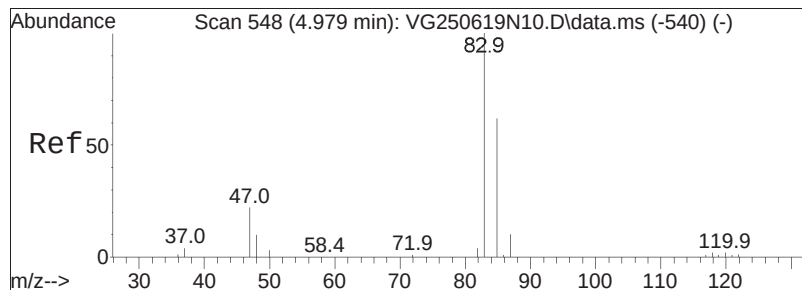




#20
Methyl tert-butyl ether
Concen: 0.08 ug/L
RT: 3.713 min Scan# 370
Delta R.T. 0.015 min
Lab File: VG250911A22.D
Acq: 11 Sep 2025 4:37 pm

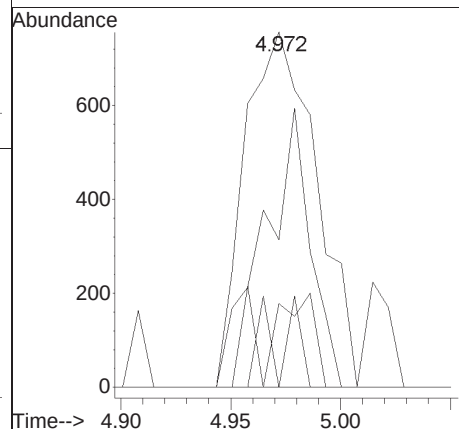
Tgt Ion: 73	Resp: 1896
Ion Ratio	Lower Upper
73 100	
57 9.4	13.1 27.3#
43 41.6	14.1 29.3#
41 30.6	11.7 24.3#





#32
 Chloroform
 Concen: 0.12 ug/L
 RT: 4.972 min Scan# 547
 Delta R.T. -0.007 min
 Lab File: VG250911A22.D
 Acq: 11 Sep 2025 4:37 pm

Tgt	Ion: 83	Resp:	1717
Ion	Ratio	Lower	Upper
83	100		
85	52.4	40.8	84.6
47	13.2	13.5	28.1#
48	0.0	7.2	15.0#



Manual Integration Report

Data Path	: K:\Gonzo\2025\250911A\	QMethod	: G_250619N_8260.m
Data File	: VG250911A22.D	Operator	: GONZO:mjv
Date Inj'd	: 9/11/2025 4:37 pm	Instrument	: Gonzo
Sample	: L2555938-05,31,10,10,,A	Quant Date	: 9/12/2025 7:54 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A25.D
 Acq On : 21 Sep 2025 7:34 pm
 Operator : GONZO:MJV
 Sample : L2555938-06,31,10,10,,A
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 22 07:20:52 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250921A\VG250921A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	472078	10.000	ug/L	0.00
Standard Area 1 = 571809			Recovery	=	82.56%	
59) Chlorobenzene-d5	9.477	117	361021	10.000	ug/L	0.00
Standard Area 1 = 440676			Recovery	=	81.92%	
79) 1,4-Dichlorobenzene-d4	12.198	152	188514	10.000	ug/L	0.00
Standard Area 1 = 264512			Recovery	=	71.27%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	132426	10.807	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	108.07%	
43) 1,2-Dichloroethane-d4	5.667	65	148600	11.845	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	118.45%	
60) Toluene-d8	7.636	98	454168	10.128	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.28%	
83) 4-Bromofluorobenzene	10.981	95	152285	9.794	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.94%	
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	1.870	62	546	N.D.		
5) Bromomethane	2.176	94	260	N.D.		
6) Chloroethane	2.233	64	379	N.D.		
7) Trichlorofluoromethane	2.290	101	83	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.951	76	857	N.D.		
12) Freon-113	3.030	101	64	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.535	43	1788	0.885	ug/L #	71
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.709	96	1306	0.121	ug/L #	43
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A25.D
 Acq On : 21 Sep 2025 7:34 pm
 Operator : GONZO:MJV
 Sample : L2555938-06,31,10,10,,A
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 22 07:20:52 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250921A\VG250921A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	0.000		0		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	5.745	62	67		N.D.	
47)	Methyl cyclohexane	0.000		0		N.D.	
48)	Trichloroethene	6.126	95	184		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	6.824	83	67		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	7.706	92	65		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	8.137	166	92		N.D.	
65)	trans-1,3-Dichloropropene	0.000		0		N.D.	
68)	1,1,2-Trichloroethane	8.588	83	82		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	9.343	43	84		N.D.	
73)	Chlorobenzene	0.000		0		N.D.	
74)	Ethylbenzene	9.492	91	739		N.D.	
76)	p/m Xylene	0.000		0		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	12.219	146	85		N.D.	
101)	1,4-Dichlorobenzene	12.219	146	85		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

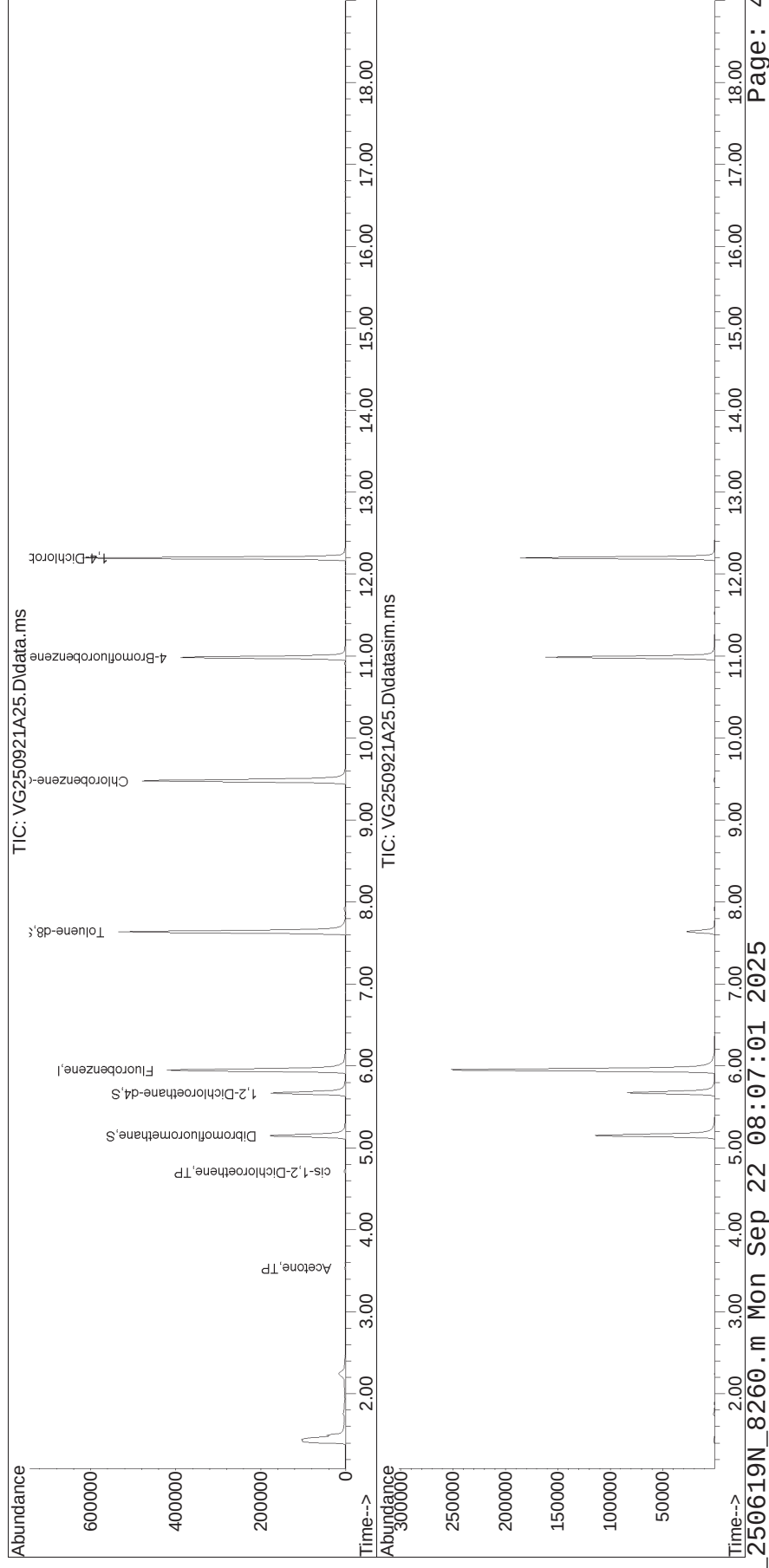
(#) = qualifier out of range (m) = manual integration (+) = signals summed

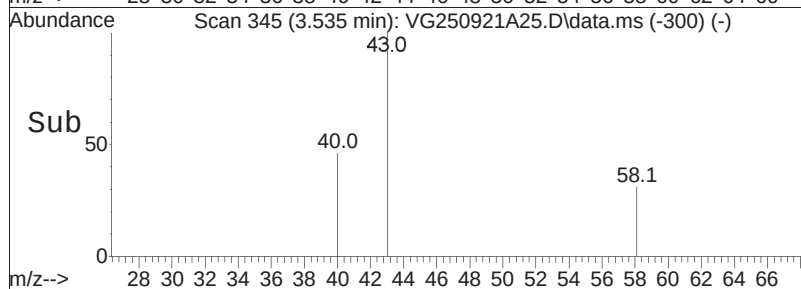
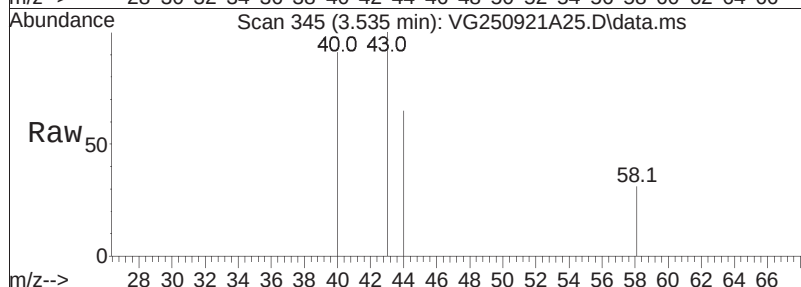
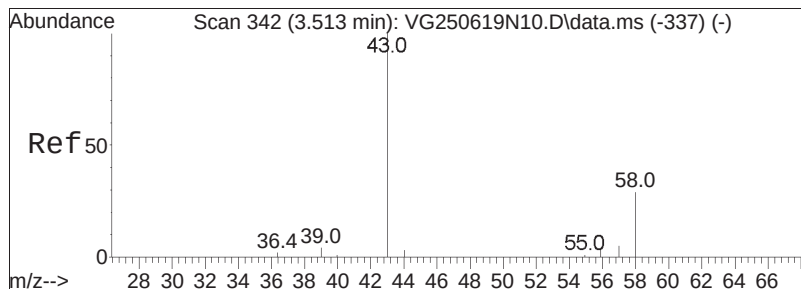
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
Data File : VG250921A25.D
Acq On : 21 Sep 2025 7:34 pm
Operator : GONZO:MJV
Sample : L2555938-06,31,10,10,,A
Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 22 07:20:52 2025
Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

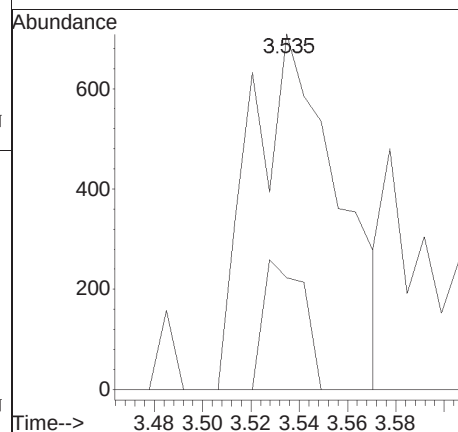
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

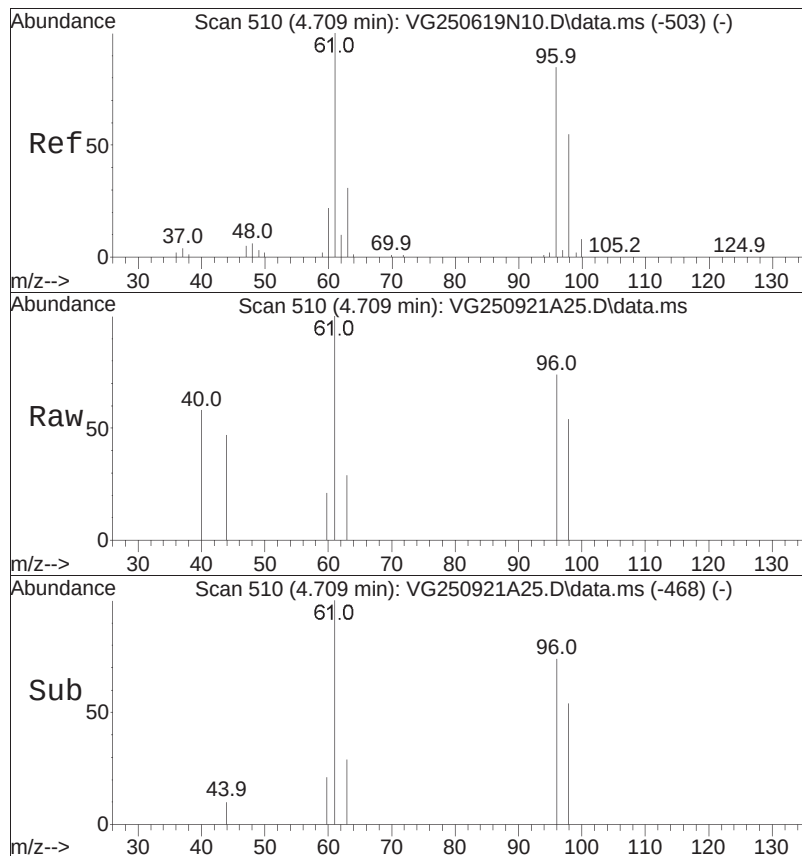




#17
 Acetone
 Concen: 0.88 ug/L
 RT: 3.535 min Scan# 345
 Delta R.T. 0.022 min
 Lab File: VG250921A25.D
 Acq: 21 Sep 2025 7:34 pm

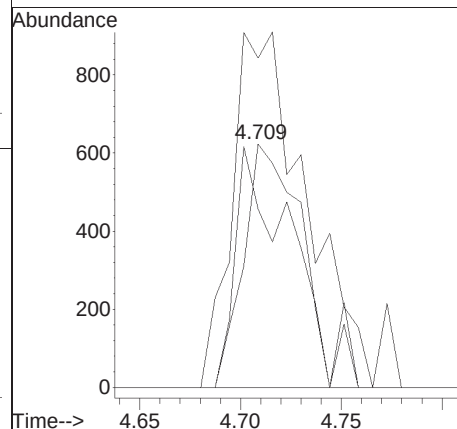
Tgt Ion: 43 Resp: 1788
 Ion Ratio Lower Upper
 43 100
 58 16.6 26.2 39.2#





#28
 cis-1,2-Dichloroethene
 Concen: 0.12 ug/L
 RT: 4.709 min Scan# 510
 Delta R.T. 0.000 min
 Lab File: VG250921A25.D
 Acq: 21 Sep 2025 7:34 pm

Tgt Ion:	96	Resp:	1306
Ion Ratio	Lower	Upper	
96	100		
61	177.3	87.4	131.2#
98	92.5	47.5	71.3#



Manual Integration Report

Data Path	: K:\Gonzo\2025\250921A\	QMethod	: G_250619N_8260.m
Data File	: VG250921A25.D	Operator	: GONZO:MJV
Date Inj'd	: 9/21/2025 7:34 pm	Instrument	: Gonzo
Sample	: L2555938-06,31,10,10,,A	Quant Date	: 9/22/2025 7:03 am

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : GONZO
 Calibration dates : 06/20/25 01:35 06/20/25 06:01

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22400

Calibration Files

L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
 L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.195	0.224	0.223	0.227	0.226	0.228	0.211	0.219	5.51
3) TP Chloromethane		0.202	0.205	0.200	0.206	0.208	0.210	0.201	0.205	1.78
4) TP Vinyl chloride	0.214	0.183	0.230	0.234	0.236	0.240	0.237	0.229	0.225	8.41
5) TP Bromomethane		0.144	0.148	0.136	0.152	0.163	0.170	0.168	0.154	8.28
6) TP Chloroethane		0.180	0.160	0.154	0.147	0.123		0.153		13.76
7) TP Trichlorofluor		0.213	0.280	0.309	0.327	0.327	0.333	0.318	0.301	14.13
8) TP Ethyl ether		0.103	0.103	0.107	0.113	0.115	0.114	0.108	0.109	4.92
10) TP 1,1-Dichloroet		0.143	0.181	0.181	0.190	0.193	0.194	0.184	0.181	9.64
11) TP Carbon disulfide		0.471	0.546	0.546	0.566	0.577	0.580	0.553	0.549	6.71
12) TP Freon-113		0.136	0.182	0.184	0.194	0.191	0.195	0.185	0.181	11.36
13) TP Iodomethane			0.152	0.172	0.228	0.259	0.256	0.242	*L	0.9974
14) TP Acrolein			0.024	0.030	0.029	0.030	0.030	0.029	0.029	7.61
15) TP Methylene chlo		0.294	0.221	0.204	0.210	0.209	0.208	0.196	0.220	15.17
17) TP Acetone			0.049	0.039	0.041	0.043	0.043	0.041	0.043	8.19
18) TP trans-1,2-Dich		0.151	0.200	0.198	0.207	0.211	0.209	0.198	0.196	10.55
19) TP Methyl acetate			0.081	0.097	0.108	0.108	0.109	0.102	0.101	10.70
20) TP Methyl tert butyl ether		0.514	0.549	0.571	0.600	0.604	0.597	0.565	0.572	5.67
21) TP tert-Butyl alc		0.016	0.015	0.017	0.018	0.018	0.018	0.017	0.017	5.91
22) TP Diisopropyl ether		0.510	0.535	0.584	0.610	0.622	0.617	0.585	0.580	7.39
23) TP 1,1-Dichloroet		0.288	0.354	0.356	0.367	0.367	0.365	0.333	0.347	8.25
24) TP Halothane		0.138	0.164	0.166	0.173	0.173	0.172	0.163	0.164	7.64
25) TP Acrylonitrile			0.043	0.054	0.058	0.060	0.059	0.057	0.055	11.48
26) TP Ethyl tert-but		0.538	0.557	0.599	0.617	0.635	0.631	0.601	0.597	6.18
27) TP Vinyl acetate			0.324	0.348	0.388	0.393	0.393	0.375	0.370	7.71
28) TP cis-1,2-Dichlo		0.203	0.228	0.231	0.237	0.239	0.236	0.225	0.228	5.35
29) TP 2,2-Dichloropr		0.237	0.277	0.291	0.315	0.314	0.309	0.290	0.290	9.42
30) TP Bromochloromet		0.115	0.112	0.109	0.105	0.104	0.104	0.099	0.107	5.19
31) TP Cyclohexane		0.275	0.305	0.298	0.313	0.311	0.317	0.299	0.303	4.69
32) TP Chloroform		0.362	0.348	0.355	0.357	0.371	0.365	0.342	0.357	2.80
33) TP Ethyl acetate		0.110	0.137	0.154	0.164	0.170	0.167	0.158	0.152	14.10
34) TP Carbon tetrachloride	0.275	0.242	0.284	0.296	0.295	0.302	0.302	0.284	0.285	6.98
35) TP Tetrahydrofuran			0.057	0.045	0.048	0.050	0.048	0.045	0.049	8.77
36) S Dibromofluoromethane	0.257	0.257	0.259	0.259	0.261	0.259	0.264	0.261	0.260	0.96
37) TP 1,1,1-Trichlor		0.249	0.319	0.313	0.332	0.333	0.330	0.312	0.312	9.41
39) TP 2-Butanone			0.054	0.056	0.066	0.073	0.072	0.068	0.065	12.22



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : GONZO
 Calibration dates : 06/20/25 01:35 06/20/25 06:01

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22400

Calibration Files

L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
 L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropr	0.212	0.250	0.249	0.258	0.261	0.260	0.248	0.248	6.89	
41) TP Benzene	0.751	0.664	0.783	0.796	0.816	0.831	0.819	0.779	0.780	6.86
42) TP Tertiary-Amyl Methyl Ether	0.515	0.539	0.561	0.591	0.606	0.600	0.570	0.569	5.87	
43) S 1,2-Dichloroethane-d4	0.268	0.266	0.265	0.272	0.263	0.258	0.260	0.272	0.266	1.92
44) TP 1,2-Dichloroethane	0.262	0.254	0.242	0.250	0.262	0.265	0.260	0.250	0.256	3.19
47) TP Methyl cyclohe	0.218	0.286	0.279	0.294	0.296	0.300	0.284	0.280	10.08	
48) TP Trichloroethene	0.278	0.141	0.194	0.217	0.221	0.225	0.222	0.212	0.214	17.69
50) TP Dibromomethane	0.120	0.130	0.128	0.132	0.135	0.133	0.126	0.129	3.89	
51) TP 1,2-Dichloropr	0.173	0.200	0.204	0.208	0.212	0.209	0.198	0.200	6.43	
53) TP 2-Chloroethyl	0.066	0.085	0.091	0.101	0.105	0.105	0.103	0.094	15.45	
54) TP Bromodichlorom	0.251	0.282	0.285	0.293	0.297	0.295	0.280	0.283#	5.56	
57) TP 1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	5.47	
58) TP cis-1,3-Dichloropropene	0.296	0.322	0.323	0.333	0.349	0.353	0.349	0.330	0.332	5.68
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.244	1.241	1.240	1.244	1.235	1.243	1.243	1.248	1.242	0.30
61) TP Toluene	0.567	0.646	0.646	0.658	0.667	0.661	0.637	0.640	5.27	
62) TP 4-Methyl-2-pen	0.067	0.076	0.078	0.082	0.084	0.082	0.079	0.078	7.41	
63) TP Tetrachloroethene	0.290	0.239	0.298	0.310	0.315	0.310	0.309	0.297	0.296	8.31
65) TP trans-1,3-Dichloropropene	0.347	0.335	0.357	0.371	0.391	0.391	0.386	0.377	0.369	5.68
67) TP Ethyl methacry	0.264	0.275	0.293	0.314	0.322	0.318	0.308	0.299	7.44	
68) TP 1,1,2-Trichlor	0.195	0.179	0.185	0.195	0.196	0.193	0.188	0.190#	3.37	
69) TP Chlorodibromom	0.285	0.288	0.295	0.310	0.320	0.316	0.309	0.304	4.60	
70) TP 1,3-Dichloropr	0.321	0.370	0.373	0.385	0.388	0.383	0.370	0.370	6.13	
71) TP 1,2-Dibromoethane	0.223	0.234	0.242	0.252	0.253	0.246	0.239	0.241	4.34	
72) TP 2-Hexanone	0.111	0.130	0.133	0.138	0.135	0.131	0.130	7.41		
73) TP Chlorobenzene	0.675	0.765	0.764	0.785	0.790	0.778	0.753	0.758	5.12	
74) TP Ethylbenzene	1.065	1.219	1.235	1.263	1.280	1.275	1.243	1.226	6.05	
75) TP 1,1,1,2-Tetrac	0.266	0.280	0.290	0.300	0.306	0.304	0.296	0.292	4.92	
76) TP p/m Xylene	0.406	0.484	0.498	0.506	0.510	0.508	0.505	0.488	7.62	
77) TP o Xylene	0.422	0.485	0.492	0.502	0.510	0.502	0.513	0.490	6.42	
78) TP Styrene	0.678	0.798	0.838	0.872	0.883	0.902	0.908	0.840	9.65	
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform	0.343	0.359	0.360	0.387	0.400	0.398	0.383	0.376	5.78	
82) TP Isopropylbenzene	1.623	2.037	2.065	2.144	2.156	2.174	2.054	2.036	9.34	
83) S 4-Bromofluorobenzene	0.843	0.825	0.834	0.824	0.827	0.810	0.824	0.811	0.825	1.32
84) TP Bromobenzene	0.546	0.638	0.636	0.650	0.645	0.644	0.603	0.623	6.00	



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : GONZO
 Calibration dates : 06/20/25 01:35 06/20/25 06:01

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22400

Calibration Files

L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
 L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP n-Propylbenzene	1.909	2.281	2.358	2.441	2.479	2.478	2.352	2.328		8.55
86) TP 1,4-Dichlorobu	0.700	0.641	0.644	0.671	0.679	0.680	0.643	0.666		3.46
87) TP 1,1,2,2-Tetrachloroethane	0.572	0.549	0.517	0.502	0.523	0.528	0.526	0.496	0.527	4.68
88) TP 4-Ethyltoluene	1.638	2.011	2.038	2.110	2.124	2.131	2.011	2.009		8.55
89) TP 2-Chlorotoluene	1.295	1.476	1.465	1.505	1.526	1.526	1.451	1.463		5.47
90) TP 1,3,5-Trimethy	1.390	1.757	1.756	1.829	1.850	1.841	1.832	1.751		9.36
91) TP 1,2,3-Trichlor	0.356	0.396	0.395	0.414	0.419	0.415	0.408	0.400		5.43
92) TP trans-1,4-Dich	0.157	0.148	0.132	0.146	0.154	0.151	0.143	0.147		5.58
93) TP 4-Chlorotoluene	1.380	1.452	1.555	1.604	1.622	1.618	1.541	1.539		5.96
94) TP tert-Butylbenzene	1.235	1.447	1.470	1.514	1.528	1.520	1.462	1.454		6.99
97) TP 1,2,4-Trimethy	1.469	1.738	1.751	1.818	1.821	1.832	1.801	1.747		7.32
98) TP sec-Butylbenzene	1.610	1.956	2.003	2.064	2.101	2.111	2.033	1.983		8.72
99) TP p-Isopropyltol	1.362	1.744	1.801	1.888	1.888	1.911	1.888	1.783		10.93
100) TP 1,3-Dichlorobe	0.992	1.143	1.134	1.177	1.172	1.176	1.124	1.131		5.74
101) TP 1,4-Dichlorobe	1.100	1.143	1.168	1.192	1.195	1.192	1.140	1.161		3.07
102) TP p-Diethylbenzene	0.853	1.000	1.053	1.112	1.117	1.125	1.123	1.055		9.52
103) TP n-Butylbenzene	1.029	1.320	1.367	1.460	1.473	1.488	1.458	1.371		11.89
104) TP 1,2-Dichlorobe	0.945	1.077	1.095	1.123	1.129	1.118	1.075	1.080		5.88
105) TP 1,2,4,5-Tetram	1.318	1.554	1.607	1.655	1.670	1.682	1.691	1.597		8.28
106) TP 1,2-Dibromo-3-	0.078	0.093	0.096	0.098	0.105	0.104	0.098	0.096		9.36
107) TP 1,3,5-Trichlor	0.620	0.718	0.741	0.753	0.740	0.735	0.672	0.711		6.79
108) TP Hexachlorobuta	0.187	0.231	0.228	0.240	0.239	0.238	0.218	0.226		8.31
109) TP 1,2,4-Trichlor	0.564	0.619	0.633	0.649	0.635	0.623	0.558	0.612		5.82
110) TP Naphthalene	1.187	1.288	1.279	1.321	1.327	1.316	1.194	1.273		4.63
111) TP 1,2,3-Trichlor	0.431	0.478	0.487	0.499	0.496	0.483	0.417	0.470		6.95



Response Factor Report Gonzo

Method Path : K:\Gonzo\2025\250619NICAL\
Method File : G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025
Response Via : Initial Calibration

Calibration Files

L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
		-----ISTD-----									
1) I	Fluorobenzene										
2) TP	Dichlorodifluo...	0.195	0.224	0.223	0.227	0.226	0.228	0.211	0.219	5.51	
3) TP	Chloromethane	0.202	0.205	0.200	0.206	0.208	0.210	0.201	0.205	1.78	
4) TP	Vinyl chloride	0.214	0.183	0.230	0.234	0.236	0.240	0.229	0.225	8.41	
5) TP	Bromomethane		0.144	0.148	0.136	0.152	0.163	0.168	0.154	8.28	
6) TP	Chloroethane	0.180	0.160	0.154	0.147	0.123			0.153	13.76	
7) TP	Trichlorofluor...	0.213	0.280	0.309	0.327	0.327	0.333	0.318	0.301	14.13	
8) TP	Ethyl ether	0.103	0.103	0.107	0.113	0.115	0.114	0.108	0.109	4.92	
10) TP	1,1-Dichloroet...	0.143	0.181	0.181	0.190	0.193	0.194	0.184	0.181	9.64	
11) TP	Carbon disulfide	0.471	0.546	0.546	0.566	0.577	0.580	0.553	0.549	6.71	
12) TP	Freon-113	0.136	0.182	0.184	0.194	0.191	0.195	0.185	0.181	11.36	
13) TP	Iodomethane		0.152	0.172	0.228	0.259	0.256	0.242	*L	0.9974	
14) TP	Acrolein		0.024	0.030	0.029	0.030	0.030	0.029	0.029	7.61	
15) TP	Methylene chlo...	0.294	0.221	0.204	0.210	0.209	0.208	0.196	0.220	15.17	
17) TP	Acetone		0.049	0.039	0.041	0.043	0.043	0.041	0.043	8.19	
18) TP	trans-1,2-Dich...	0.151	0.200	0.198	0.207	0.211	0.209	0.198	0.196	10.55	
19) TP	Methyl acetate		0.081	0.097	0.108	0.108	0.109	0.102	0.101	10.70	
20) TP	tert-Butyl alc...	0.514	0.549	0.571	0.600	0.604	0.597	0.565	0.572	5.67	
21) TP	Diisopropyl ether	0.016	0.015	0.017	0.018	0.018	0.018	0.017	0.017	5.91	
22) TP	1,1-Dichloroet...	0.510	0.535	0.584	0.610	0.622	0.617	0.585	0.580	7.39	
23) TP	Halothane	0.288	0.354	0.356	0.367	0.367	0.365	0.333	0.347	8.25	
24) TP	Acrylonitrile	0.138	0.164	0.166	0.173	0.173	0.172	0.163	0.164	7.64	
25) TP	Ethyl tert-but...		0.043	0.054	0.058	0.060	0.059	0.057	0.055	11.48	
26) TP	Vinyl acetate	0.538	0.557	0.599	0.617	0.635	0.631	0.601	0.597	6.18	
27) TP	cis-1,2-Dichlo...		0.324	0.348	0.388	0.393	0.393	0.375	0.370	7.71	
28) TP	2,2-Dichloropr...	0.203	0.228	0.231	0.237	0.239	0.236	0.225	0.228	5.35	
29) TP	Bromochloromet...	0.237	0.277	0.291	0.315	0.314	0.309	0.290	0.290	9.42	
30) TP	Cyclohexane	0.115	0.112	0.109	0.105	0.104	0.104	0.099	0.107	5.19	
31) TP	Chloroform	0.275	0.305	0.298	0.313	0.311	0.317	0.299	0.303	4.69	
32) TP	Ethyl acetate	0.362	0.348	0.355	0.357	0.371	0.365	0.342	0.357	2.80	
33) TP		0.110	0.137	0.154	0.164	0.170	0.167	0.158	0.152	14.10	

Response Factor Report Gonzo

Method Path : K:\Gonzo\2025\250619NICAL\
Method File : G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025
Response Via : Initial Calibration

Calibration Files

L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34) TP Carbon tetrach...	0.275	0.242	0.284	0.296	0.295	0.302	0.284	0.285	6.98	
35) TP Tetrahydrofuran			0.057	0.045	0.048	0.050	0.048	0.045	8.77	
36) S Dibromofluorom...	0.257	0.257	0.259	0.259	0.261	0.259	0.264	0.261	0.96	
37) TP 1,1,1-Trichlor...	0.249	0.319	0.313	0.332	0.333	0.333	0.330	0.312	9.41	
39) TP 2-Butanone			0.054	0.056	0.066	0.073	0.072	0.068	12.22	
40) TP 1,1-Dichloropr...	0.212	0.250	0.249	0.258	0.261	0.260	0.248	0.248	6.89	
41) TP Benzene	0.751	0.664	0.783	0.796	0.816	0.831	0.819	0.779	6.86	
42) TP tert-Amyl meth...		0.515	0.539	0.561	0.591	0.606	0.600	0.570	5.87	
43) S 1,2-Dichloroet...	0.268	0.266	0.265	0.272	0.263	0.258	0.260	0.272	1.92	
44) TP 1,2-Dichloroet...	0.262	0.254	0.242	0.250	0.262	0.265	0.260	0.250	3.19	
47) TP Methyl cyclohe...	0.218	0.286	0.279	0.294	0.296	0.300	0.284	0.280	10.08	
48) TP Trichloroethene	0.278	0.141	0.194	0.217	0.221	0.225	0.222	0.212	17.69	
50) TP Dibromomethane		0.120	0.130	0.128	0.132	0.135	0.133	0.126	3.89	
51) TP 1,2-Dichloropr...		0.173	0.200	0.204	0.208	0.212	0.209	0.198	6.43	
53) TP 2-Chloroethyl ...		0.066	0.085	0.091	0.101	0.105	0.105	0.103	15.45	
54) TP Bromodichlorom...		0.251	0.282	0.285	0.293	0.297	0.295	0.280	5.56	
57) TP 1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.47	
58) TP cis-1,3-Dichlo...	0.296	0.322	0.323	0.333	0.349	0.353	0.349	0.330	5.68	
-----ISTD-----										
59) I Chlorobenzene-d5	1.244	1.241	1.240	1.244	1.235	1.243	1.248	1.242	0.30	
60) S Toluene-d8		0.567	0.646	0.646	0.658	0.667	0.661	0.637	5.27	
61) TP Toluene		0.067	0.076	0.078	0.082	0.084	0.082	0.079	7.41	
62) TP 4-Methyl-2-pen...		0.290	0.239	0.298	0.310	0.315	0.310	0.297	8.31	
63) TP Tetrachloroethene	0.347	0.335	0.357	0.371	0.391	0.391	0.386	0.377	5.68	
65) TP trans-1,3-Dich...		0.264	0.275	0.293	0.314	0.322	0.318	0.308	7.44	
67) TP Ethyl methacry...		0.195	0.179	0.185	0.195	0.196	0.193	0.188	3.37	
68) TP 1,1,2-Trichlor...		0.285	0.288	0.295	0.310	0.320	0.316	0.309	4.60	
69) TP Chlorodibromom...		0.321	0.370	0.373	0.385	0.388	0.383	0.370	6.13	
70) TP 1,3-Dichloropr...		0.223	0.234	0.242	0.252	0.253	0.246	0.239	4.34	
71) TP 1,2-Dibromoethane			0.111	0.130	0.133	0.138	0.135	0.131	7.41	
72) TP 2-Hexanone		0.675	0.765	0.764	0.785	0.790	0.778	0.753	5.12	
73) TP Chlorobenzene										

Response Factor Report Gonzo

Method Path : K:\Gonzo\2025\250619NICAL\
Method File : G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025
Response Via : Initial Calibration

Calibration Files

L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74) TP Ethylbenzene	1.065	1.219	1.235	1.263	1.280	1.275	1.243	1.226	6.05	
75) TP 1,1,1,2-Tetrac...	0.266	0.280	0.290	0.300	0.306	0.304	0.296	0.292	4.92	
76) TP p/m Xylene	0.406	0.484	0.498	0.506	0.510	0.508	0.505	0.488	7.62	
77) TP o Xylene	0.422	0.485	0.492	0.502	0.510	0.502	0.513	0.490	6.42	
78) TP Styrene	0.678	0.798	0.838	0.872	0.883	0.902	0.908	0.840	9.65	
-----ISTD-----										
79) I 1,4-Dichlorobenzene-d4										
80) TP Bromoform	0.343	0.359	0.360	0.387	0.400	0.398	0.383	0.376	5.78	
82) TP Isopropylbenzene	1.623	2.037	2.065	2.144	2.156	2.174	2.054	2.036	9.34	
83) S 4-Bromofluorob...	0.843	0.825	0.834	0.824	0.827	0.810	0.824	0.811	0.825	1.32
84) TP Bromobenzene	0.546	0.638	0.636	0.650	0.645	0.644	0.603	0.623	6.00	
85) TP n-Propylbenzene	1.909	2.281	2.358	2.441	2.479	2.478	2.352	2.328	8.55	
86) TP 1,4-Dichlorobu...	0.700	0.641	0.644	0.671	0.679	0.680	0.643	0.666	3.46	
87) TP 1,1,2,2-Tetrac...	0.572	0.549	0.517	0.502	0.523	0.528	0.496	0.527	4.68	
88) TP 4-Ethyltoluene	1.638	2.011	2.038	2.110	2.124	2.131	2.011	2.009	8.55	
89) TP 2-Chlorotoluene	1.295	1.476	1.465	1.505	1.526	1.526	1.451	1.463	5.47	
90) TP 1,3,5-Trimethy...	1.390	1.757	1.756	1.829	1.850	1.841	1.832	1.751	9.36	
91) TP 1,2,3-Trichlor...	0.356	0.396	0.395	0.414	0.419	0.415	0.408	0.400	5.43	
92) TP trans-1,4-Dich...	0.157	0.148	0.132	0.146	0.154	0.151	0.143	0.147	5.58	
93) TP 4-Chlorotoluene	1.380	1.452	1.555	1.604	1.622	1.618	1.541	1.539	5.96	
94) TP tert-Butylbenzene	1.235	1.447	1.470	1.514	1.528	1.520	1.462	1.454	6.99	
97) TP 1,2,4-Trimethy...	1.469	1.738	1.751	1.818	1.821	1.832	1.801	1.747	7.32	
98) TP sec-Butylbenzene	1.610	1.956	2.003	2.064	2.101	2.111	2.033	1.983	8.72	
99) TP p-Isopropyltol...	1.362	1.744	1.801	1.888	1.888	1.911	1.888	1.783	10.93	
100) TP 1,3-Dichlorobe...	0.992	1.143	1.134	1.177	1.172	1.176	1.124	1.131	5.74	
101) TP 1,4-Dichlorobe...	1.100	1.143	1.168	1.192	1.195	1.192	1.140	1.161	3.07	
102) TP p-Diethylbenzene	0.853	1.000	1.053	1.112	1.117	1.125	1.123	1.055	9.52	
103) TP n-Butylbenzene	1.029	1.320	1.367	1.460	1.473	1.488	1.458	1.371	11.89	
104) TP 1,2-Dichlorobe...	0.945	1.077	1.095	1.123	1.129	1.118	1.075	1.080	5.88	
105) TP 1,2,4,5-Tetram...	1.318	1.554	1.607	1.655	1.670	1.682	1.691	1.597	8.28	
106) TP 1,2-Dibromo-3-...	0.078	0.093	0.096	0.098	0.105	0.104	0.098	0.096	9.36	
107) TP 1,3,5-Trichlor...	0.620	0.718	0.741	0.753	0.740	0.735	0.672	0.711	6.79	

Response Factor Report Gonzo

Method Path : K:\Gonzo\2025\250619NICAL\
Method File : G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025
Response Via : Initial Calibration

Calibration Files

L11 =VG250619N04.D L1 =VG250619N06.D L2 =VG250619N08.D L3 =VG250619N10.D L4 =VG250619N11.D
L6 =VG250619N12.D L8 =VG250619N13.D L10 =VG250619N14.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.187	0.231	0.228	0.240	0.239	0.238	0.218	0.226	8.31	
109)	TP 1,2,4-Trichlor...	0.564	0.619	0.633	0.649	0.635	0.623	0.558	0.612	5.82	
110)	TP Naphthalene	1.187	1.288	1.279	1.321	1.327	1.316	1.194	1.273	4.63	
111)	TP 1,2,3-Trichlor...	0.431	0.478	0.487	0.499	0.496	0.483	0.417	0.470	6.95	

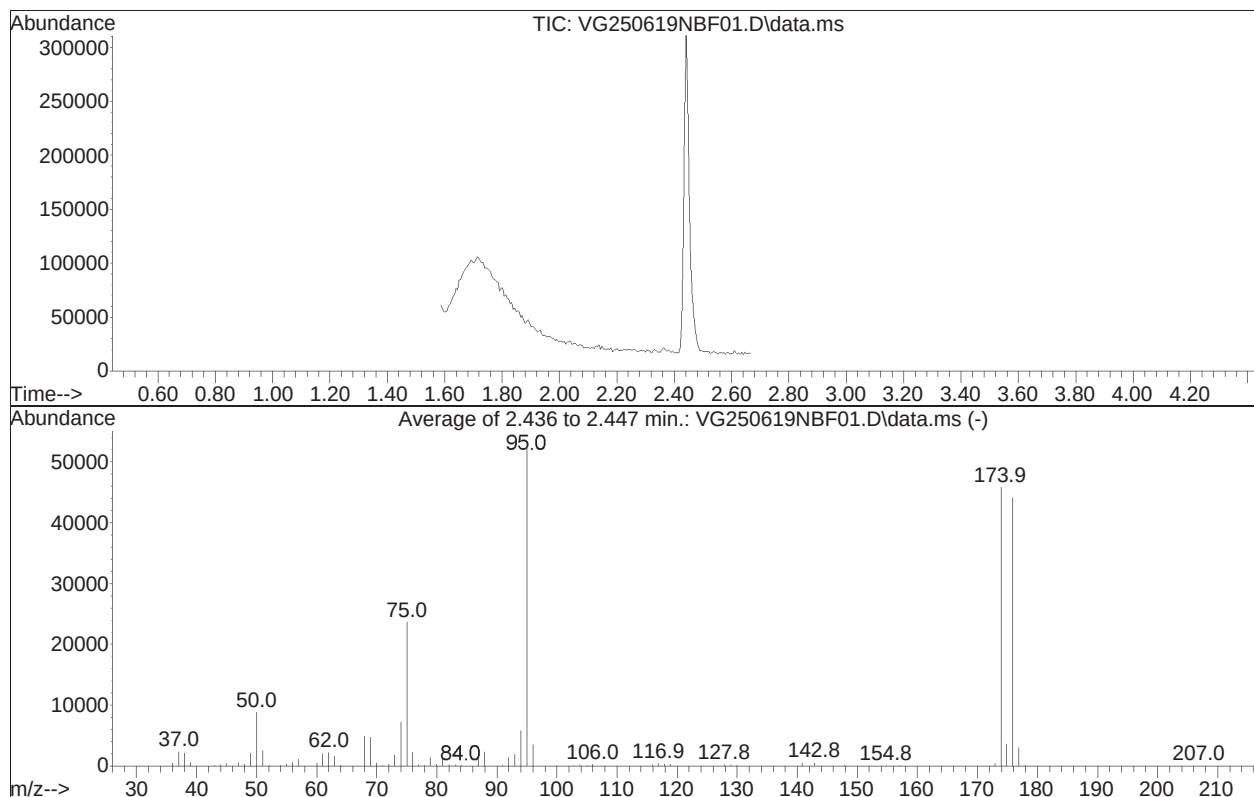
(#) = Out of Range

BFB

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619NBF01.D
Acq On : 19 Jun 2025 11:16 pm
Operator : GONZO:TMS
Sample : WG2081469-1
Misc : WG2081469
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025



AutoFind: Scans 163, 164, 165; Background Corrected with Scan 155

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	8832	PASS
75	95	30	60	45.2	23723	PASS
95	95	100	100	100.0	52520	PASS
96	95	5	9	6.6	3484	PASS
173	174	0.00	2	0.8	385	PASS
174	95	50	100	87.3	45835	PASS
175	174	5	9	8.0	3657	PASS
176	174	95	101	96.2	44115	PASS
177	176	5	9	6.8	3004	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N04.D
 Acq On : 20 Jun 2025 1:35 am
 Operator : GONZO:PID
 Sample : I8260STD0.19PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 20 07:07:06 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.957	96	560234	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery	=	101.47%	
59) Chlorobenzene-d5	9.484	117	437183	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery	=	99.28%	
79) 1,4-Dichlorobenzene-d4	12.198	152	246976	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery	=	96.83%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	143739	9.884	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.84%	
43) 1,2-Dichloroethane-d4	5.674	65	150365	10.100	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.00%	
60) Toluene-d8	7.643	98	543936	10.016	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.16%	
83) 4-Bromofluorobenzene	10.988	95	208199	10.221	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.21%	
Target Compounds						Qvalue
4) Vinyl chloride	1.870	62	2276	0.180	ug/L	87
34) Carbon tetrachloride	5.100	117	2932	0.184	ug/L	94
41) Benzene	5.540	78	7995	0.183	ug/L #	86
44) 1,2-Dichloroethane	5.752	62	2792	0.195	ug/L	92
48) Trichloroethene	6.133	95	2957	0.247	ug/L #	77
58) cis-1,3-Dichloropropene	7.452	75	3151	0.170	ug/L #	74
63) Tetrachloroethene	8.151	166	2411	0.186	ug/L	97
65) trans-1,3-Dichloropropene	8.214	75	2884M6	0.179	ug/L	
87) 1,1,2,2-Tetrachloroethane	11.243	83	2686	0.206	ug/L	97

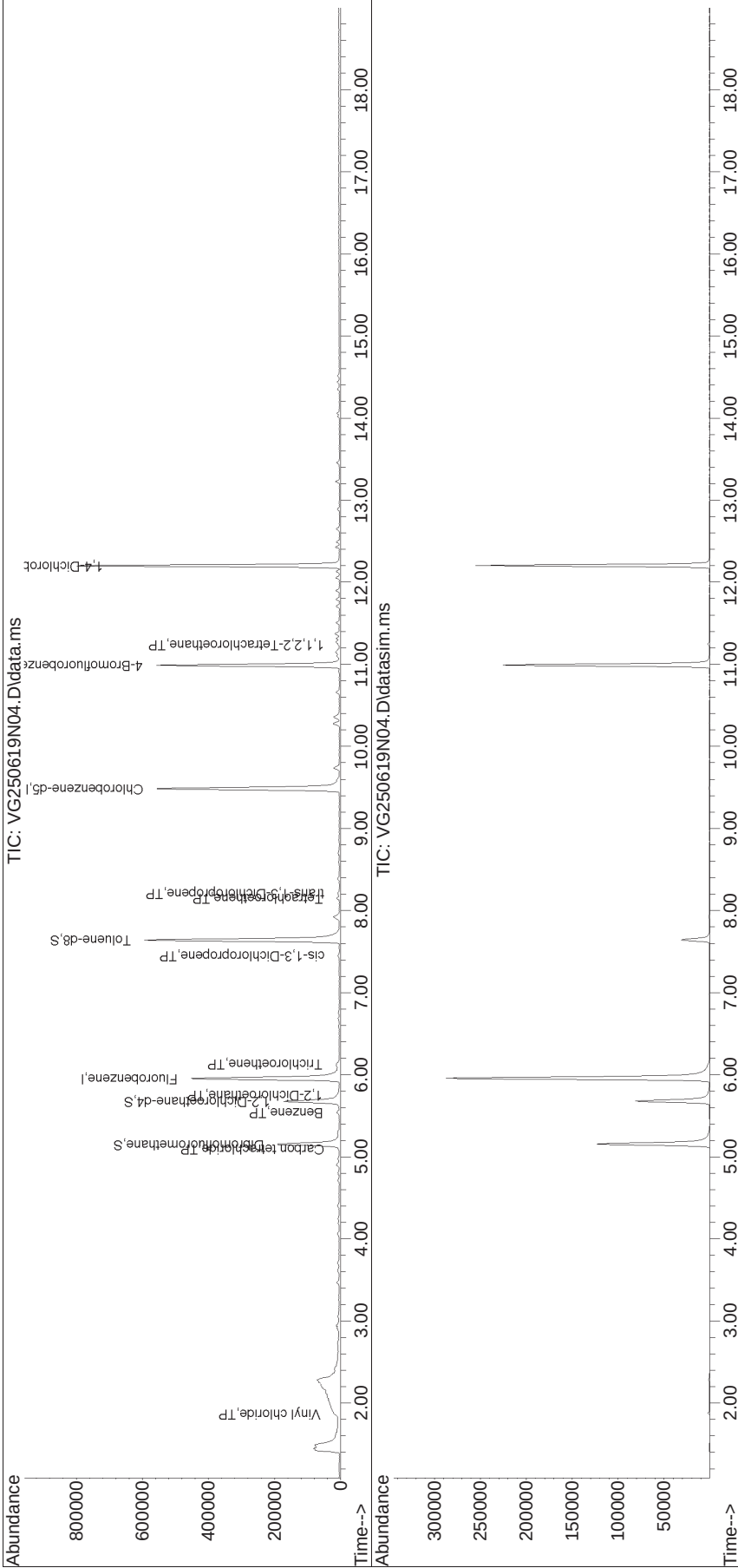
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N04.D
Acq On : 20 Jun 2025 1:35 am
Operator : GONZO:PID
Sample : I8260STD0.19PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 20 07:07:06 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

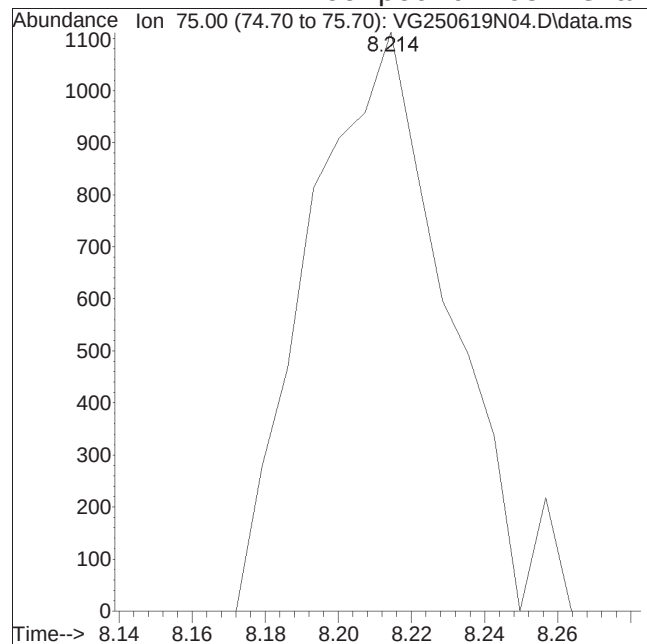
60ALLISTE(S) : 8260KL1GONZO2025\250619NICAL\VG250619N10.D•



Manual Integration Report

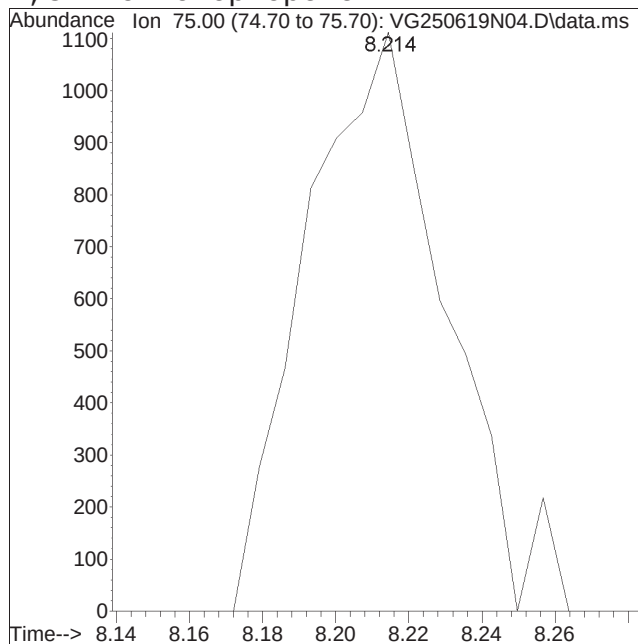
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N04.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 1:35 am Instrument : Gonzo
Sample : I8260STD0.19PPB Quant Date : 6/20/2025 7:06 am

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 2976

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 2884 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N06.D
 Acq On : 20 Jun 2025 2:28 am
 Operator : GONZO:PID
 Sample : I8260STD0.5PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 07:07:15 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.957	96	550951	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery	=	99.79%	
59) Chlorobenzene-d5	9.484	117	435290	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery	=	98.85%	
79) 1,4-Dichlorobenzene-d4	12.205	152	249454	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery	=	97.80%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	141399	9.887	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.87%	
43) 1,2-Dichloroethane-d4	5.674	65	146762	10.024	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.24%	
60) Toluene-d8	7.643	98	540052	9.988	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.88%	
83) 4-Bromofluorobenzene	10.988	95	205892	10.007	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.07%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	5367	0.445	ug/L	96
3) Chloromethane	1.827	50	5575	0.494	ug/L #	96
4) Vinyl chloride	1.870	62	5032	0.406	ug/L	99
5) Bromomethane	2.176	94	3961	0.466	ug/L	91
6) Chloroethane	2.283	64	4969	0.680	ug/L	68
7) Trichlorofluoromethane	2.425	101	5879	0.354	ug/L	99
8) Ethyl ether	2.724	74	2828	0.471	ug/L #	87
10) 1,1-Dichloroethene	2.916	96	3952	0.396	ug/L	97
11) Carbon disulfide	2.944	76	12973	0.429	ug/L	100
12) Freon-113	2.951	101	3742	0.375	ug/L	79
13) Iodomethane	3.058	142	5150	0.437	ug/L	94
14) Acrolein	0.000		0	N.D.	d	
15) Methylene chloride	3.471	84	8107	0.668	ug/L	88
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	3.620	96	4158	0.385	ug/L	96
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.698	73	14171	0.450	ug/L #	85
21) tert-Butyl alcohol	3.805	59	2271M6	2.416	ug/L	
22) Diisopropyl ether	4.061	45	14052	0.439	ug/L	96
23) 1,1-Dichloroethane	4.196	63	7929	0.415	ug/L	97
24) Halothane	4.253	117	3790	0.419	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N06.D
 Acq On : 20 Jun 2025 2:28 am
 Operator : GONZO:PID
 Sample : I8260STD0.5PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 07:07:15 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

25) Acrylonitrile	0.000		0	N.D.	d	
26) Ethyl tert-butyl ether	4.403	59	14819	0.451	ug/L #	65
27) Vinyl acetate	0.000		0	N.D.	d	
28) cis-1,2-Dichloroethene	4.709	96	5596	0.445	ug/L #	92
29) 2,2-Dichloropropane	4.808	77	6536	0.409	ug/L	85
30) Bromochloromethane	4.908	128	3163	0.537	ug/L	89
31) Cyclohexane	4.894	56	7562	0.454	ug/L	85
32) Chloroform	4.972	83	9985	0.508	ug/L	95
33) Ethyl acetate	5.107	43	3041M6	0.364	ug/L	
34) Carbon tetrachloride	5.100	117	6662	0.424	ug/L	91
35) Tetrahydrofuran	0.000		0	N.D.	d	
37) 1,1,1-Trichloroethane	5.157	97	6854	0.398	ug/L	99
39) 2-Butanone	0.000		0	N.D.	d	
40) 1,1-Dichloropropene	5.299	75	5831	0.426	ug/L	92
41) Benzene	5.540	78	18286	0.426	ug/L	98
42) tert-Amyl methyl ether	5.639	73	14188	0.453	ug/L	94
44) 1,2-Dichloroethane	5.752	62	6991	0.496	ug/L	85
47) Methyl cyclohexane	6.105	83	5996M6	0.389	ug/L	
48) Trichloroethene	6.133	95	3897	0.331	ug/L #	76
50) Dibromomethane	6.592	93	3298	0.464	ug/L	96
51) 1,2-Dichloropropane	6.676	63	4775	0.432	ug/L	93
53) 2-Chloroethyl vinyl ether	7.396	63	1812	0.352	ug/L #	71
54) Bromodichloromethane	6.761	83	6912	0.443	ug/L #	93
57) 1,4-Dioxane	6.966	88	10073	89.167	ug/L	91
58) cis-1,3-Dichloropropene	7.445	75	8861	0.485	ug/L	97
61) Toluene	7.699	92	12349	0.443	ug/L	95
62) 4-Methyl-2-pentanone	8.151	58	1448M6	0.426	ug/L	
63) Tetrachloroethene	8.151	166	5203	0.404	ug/L	91
65) trans-1,3-Dichloropropene	8.193	75	7296	0.454	ug/L	86
67) Ethyl methacrylate	8.384	69	5756	0.442	ug/L	97
68) 1,1,2-Trichloroethane	8.384	83	4242	0.513	ug/L	90
69) Chlorodibromomethane	8.595	129	6212	0.470	ug/L	87
70) 1,3-Dichloropropane	8.701	76	6987	0.434	ug/L	94
71) 1,2-Dibromoethane	8.864	107	4858	0.462	ug/L	99
72) 2-Hexanone	0.000		0	N.D.	d	
73) Chlorobenzene	9.506	112	14700	0.445	ug/L #	74
74) Ethylbenzene	9.541	91	23188M4	0.435	ug/L	
75) 1,1,1,2-Tetrachloroethane	9.590	131	5797	0.457	ug/L	91
76) p/m Xylene	9.731	106	17687	0.832	ug/L	96
77) o Xylene	10.275	106	18358	0.862	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N06.D
 Acq On : 20 Jun 2025 2:28 am
 Operator : GONZO:PID
 Sample : I8260STD0.5PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 07:07:15 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.352	104	29512	0.807	ug/L	97
80)	Bromoform	10.373	173	4284	0.457	ug/L	99
82)	Isopropylbenzene	10.663	105	20240	0.399	ug/L	94
84)	Bromobenzene	11.102	156	6812	0.438	ug/L	94
85)	n-Propylbenzene	11.144	91	23807	0.410	ug/L	97
86)	1,4-Dichlorobutane	11.172	55	8732M6	0.526	ug/L	
87)	1,1,2,2-Tetrachloroethane	11.243	83	6845	0.521	ug/L	96
88)	4-Ethyltoluene	11.271	105	20426	0.408	ug/L	93
89)	2-Chlorotoluene	11.314	91	16146M6	0.442	ug/L	
90)	1,3,5-Trimethylbenzene	11.370	105	17332	0.397	ug/L	100
91)	1,2,3-Trichloropropane	11.377	75	4435	0.444	ug/L	95
92)	trans-1,4-Dichloro-2-b...	11.441	53	1952	0.533	ug/L #	87
93)	4-Chlorotoluene	11.498	91	17214	0.448	ug/L	97
94)	tert-Butylbenzene	11.710	119	15401	0.425	ug/L	98
97)	1,2,4-Trimethylbenzene	11.788	105	18322	0.420	ug/L	96
98)	sec-Butylbenzene	11.894	105	20087	0.406	ug/L	97
99)	p-Isopropyltoluene	12.056	119	16994	0.382	ug/L	94
100)	1,3-Dichlorobenzene	12.127	146	12373	0.439	ug/L	97
101)	1,4-Dichlorobenzene	12.219	146	13718	0.473	ug/L #	87
102)	p-Diethylbenzene	12.424	119	10639	0.404	ug/L	99
103)	n-Butylbenzene	12.488	91	12831	0.375	ug/L	97
104)	1,2-Dichlorobenzene	12.644	146	11786	0.437	ug/L	98
105)	1,2,4,5-Tetramethylben...	13.224	119	16434	0.413	ug/L	95
106)	1,2-Dibromo-3-chloropr...	13.429	155	970	0.405	ug/L #	64
107)	1,3,5-Trichlorobenzene	13.450	180	7732	0.436	ug/L	95
108)	Hexachlorobutadiene	14.023	225	2330	0.414	ug/L	94
109)	1,2,4-Trichlorobenzene	14.058	180	7038	0.461	ug/L	94
110)	Naphthalene	14.348	128	14811	0.466	ug/L	100
111)	1,2,3-Trichlorobenzene	14.511	180	5377	0.458	ug/L	92

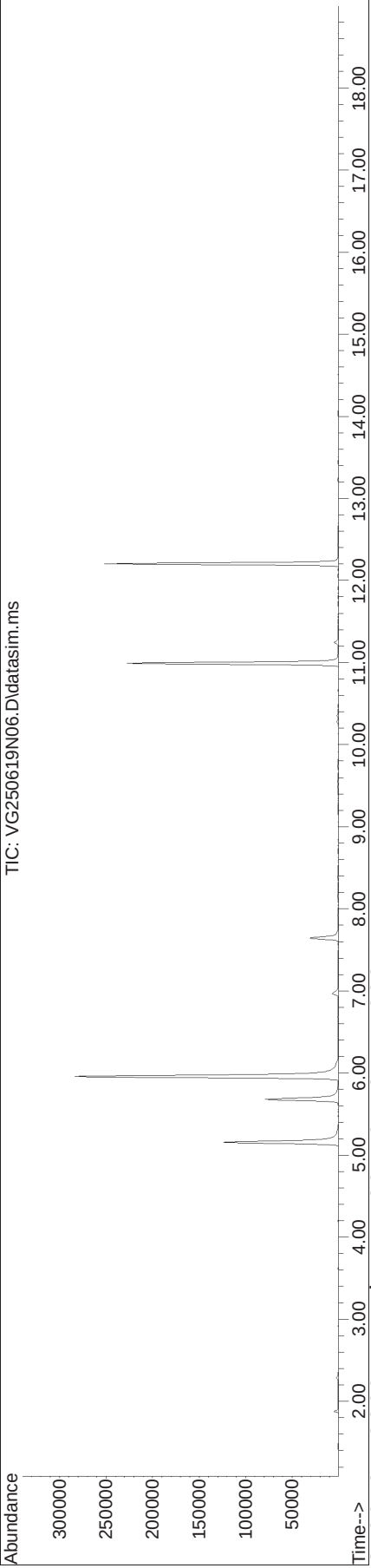
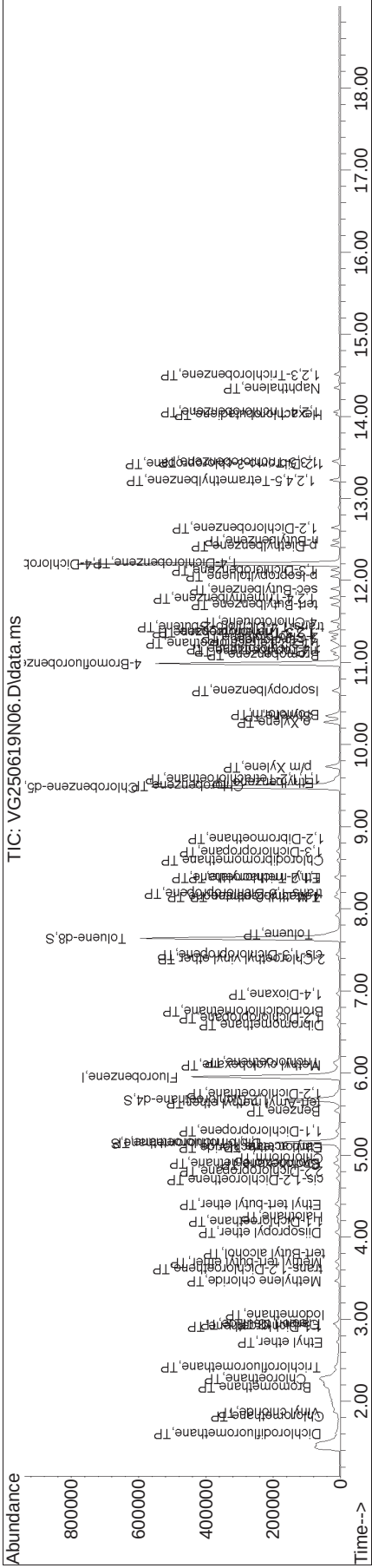
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N06.D
Acq On : 20 Jun 2025 2:28 am
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 07:07:15 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

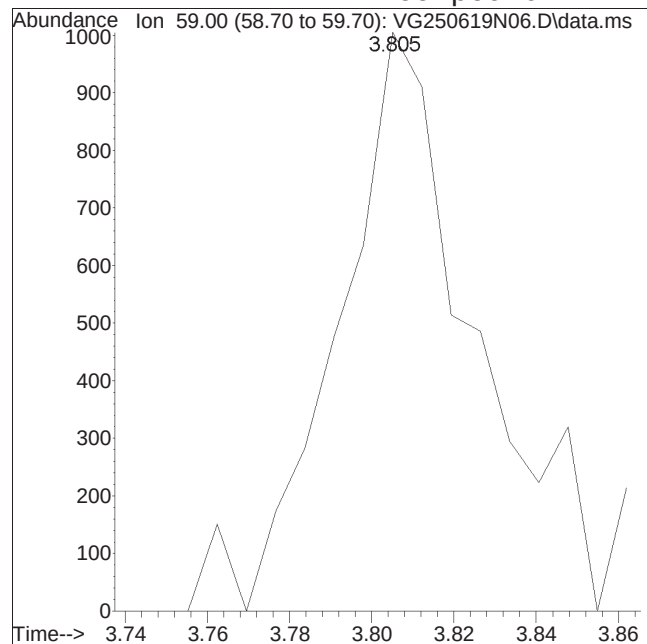
SAMPLE(S) : 250619N06.D



Manual Integration Report

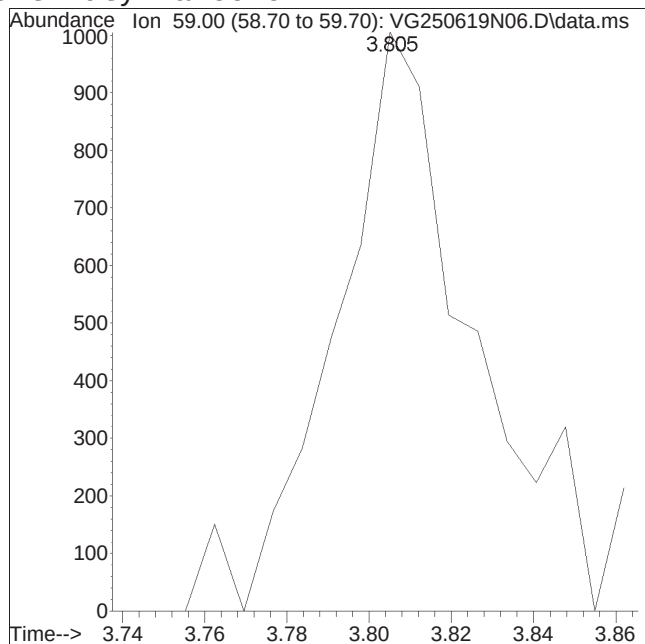
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Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 2336

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

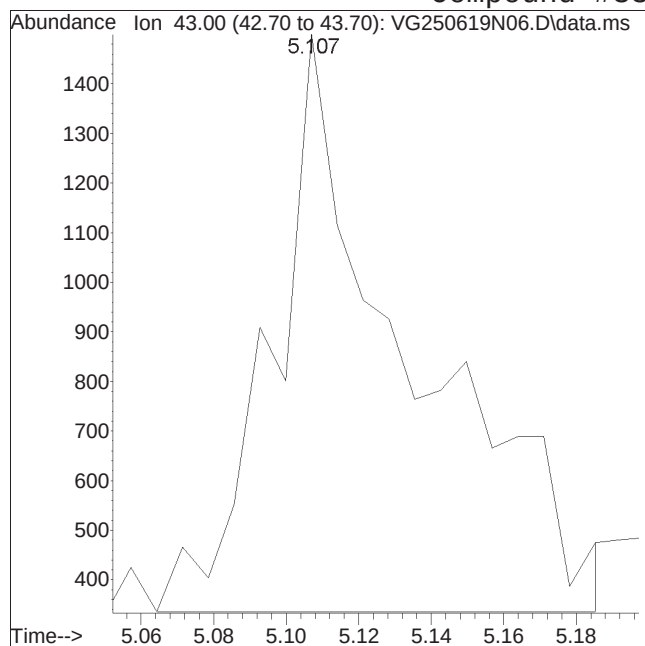


Manual Peak Response = 2271 M6

Manual Integration Report

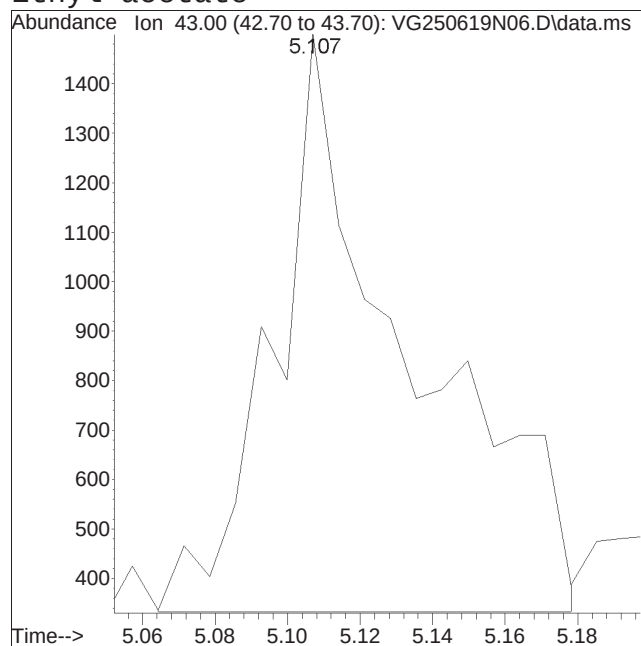
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Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #33: Ethyl acetate



Original Peak Response = 3080

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



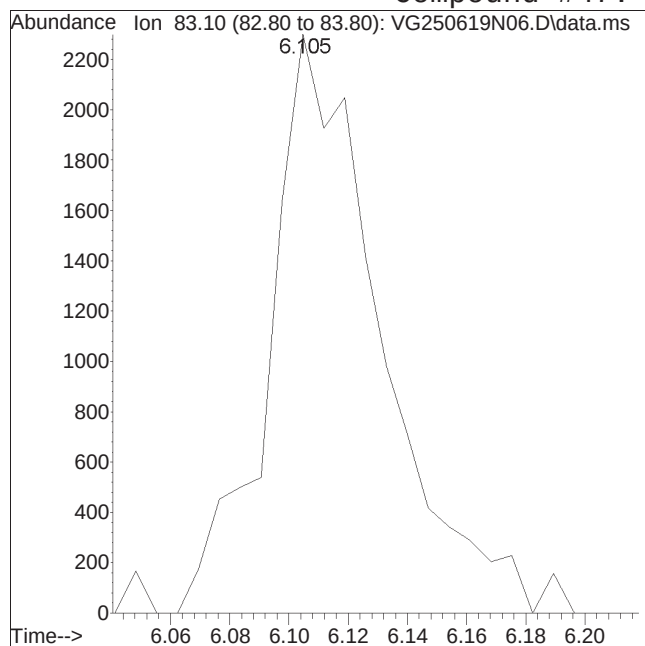
Manual Peak Response = 3041 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

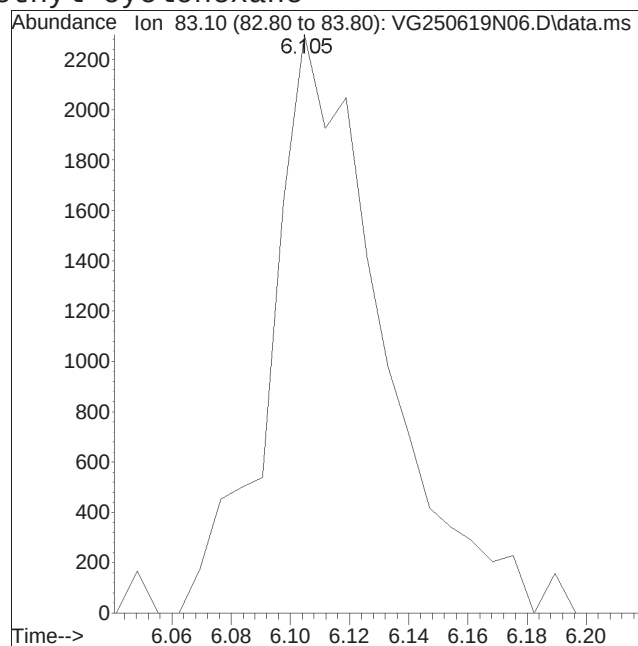
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #47: Methyl cyclohexane



Original Peak Response = 6063

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

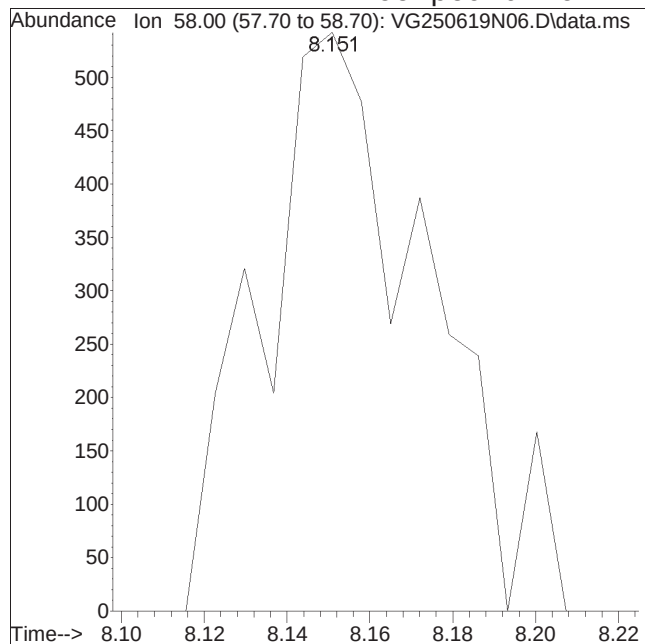


Manual Peak Response = 5996 M6

Manual Integration Report

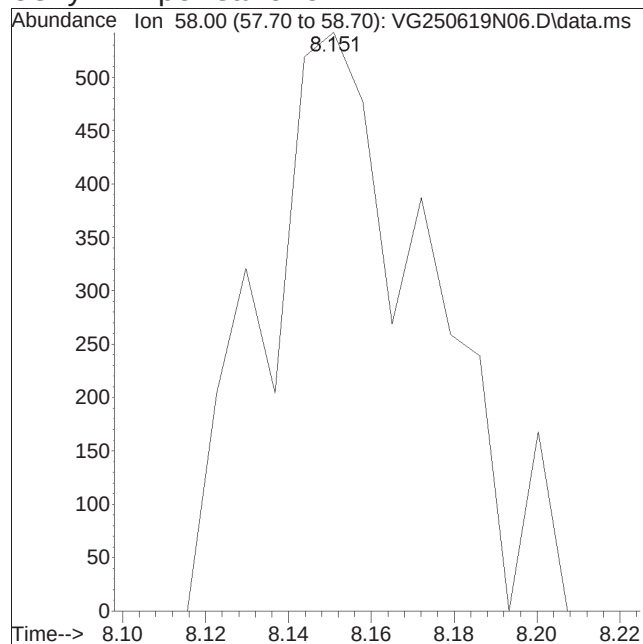
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #62: 4-Methyl-2-pentanone



Original Peak Response = 1519

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

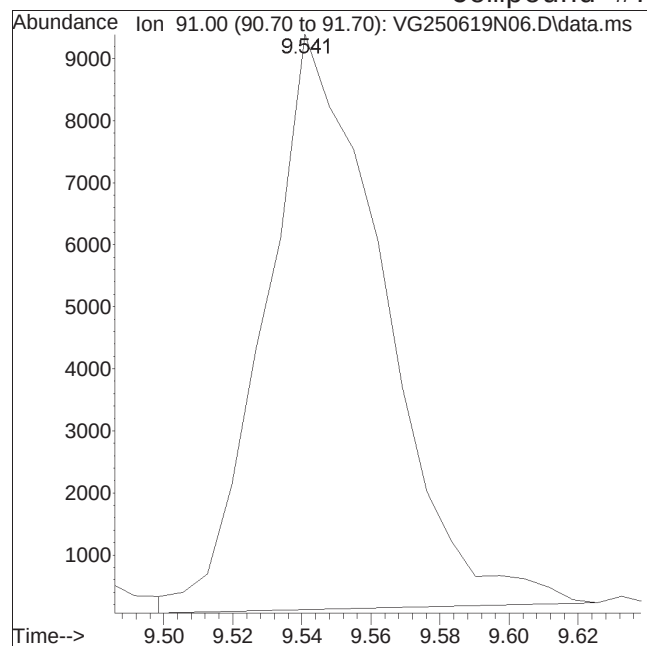


Manual Peak Response = 1448 M6

Manual Integration Report

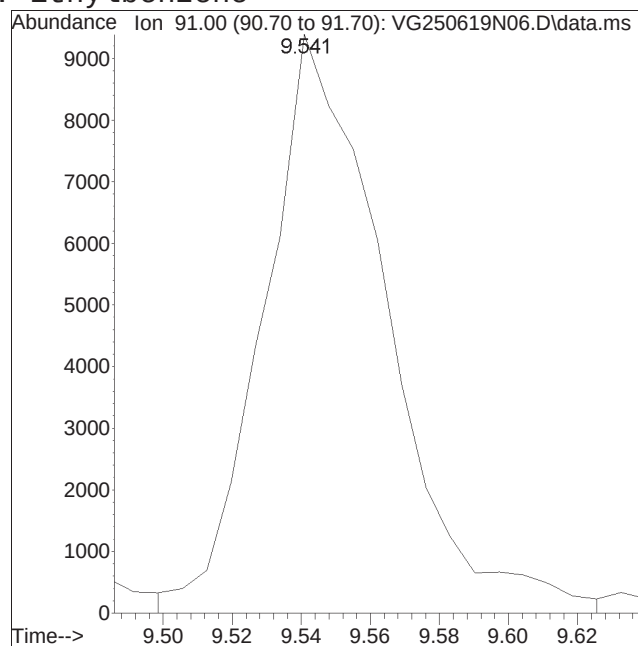
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #74: Ethylbenzene



Original Peak Response = 22068

M4 = Poor automated baseline construction.

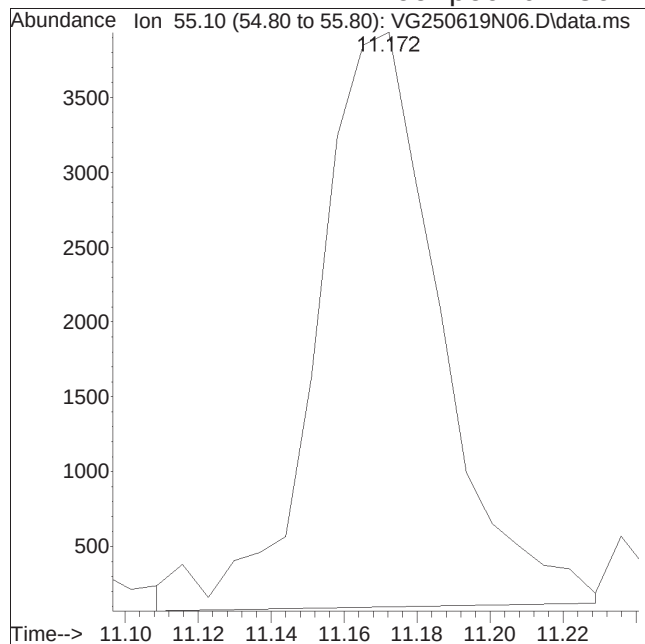


Manual Peak Response = 23188 M4

Manual Integration Report

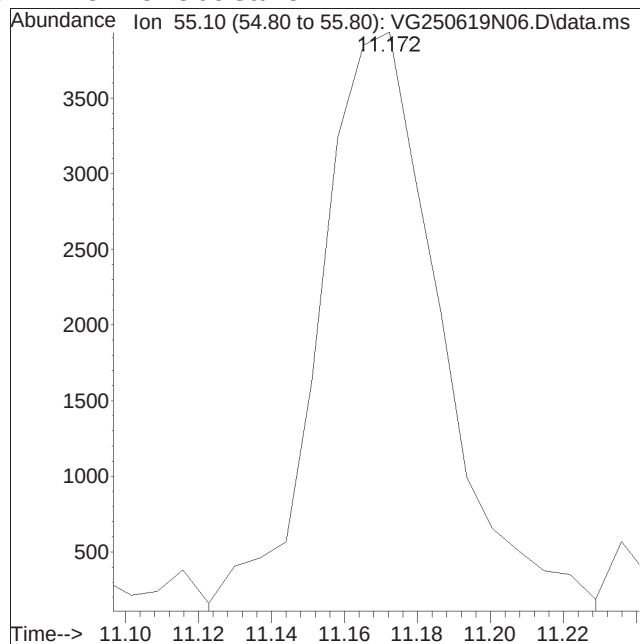
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #86: 1,4-Dichlorobutane



Original Peak Response = 8970

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

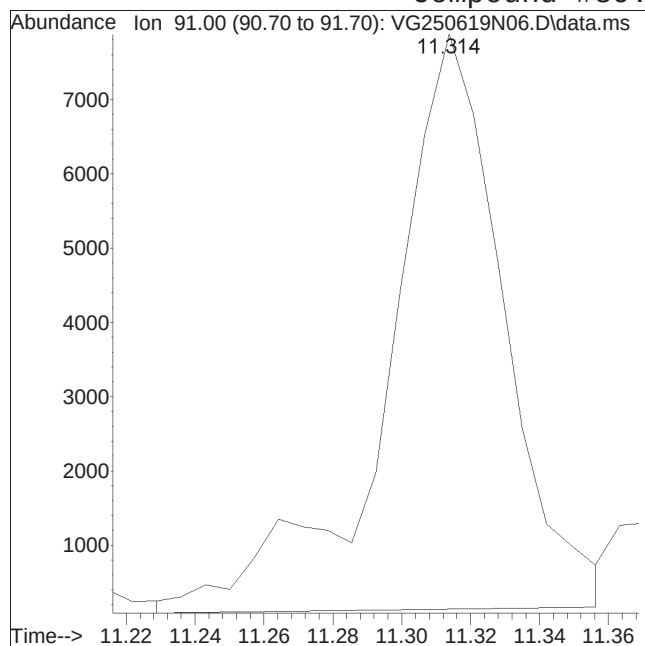


Manual Peak Response = 8732 M6

Manual Integration Report

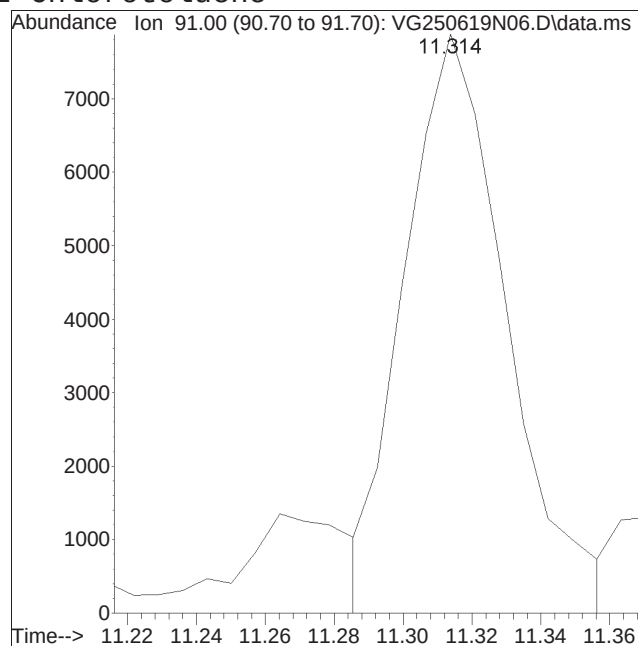
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N06.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 2:28 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 18076

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 16146 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N08.D
 Acq On : 20 Jun 2025 3:21 am
 Operator : GONZO:PID
 Sample : I8260STD2PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 07:07:22 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.957	96	543741	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery	=	98.49%	
59) Chlorobenzene-d5	9.484	117	430333	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery	=	97.72%	
79) 1,4-Dichlorobenzene-d4	12.198	152	245969	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery	=	96.44%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.157	113	141043	9.993	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.93%	
43) 1,2-Dichloroethane-d4	5.674	65	144308	9.987	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.87%	
60) Toluene-d8	7.643	98	533776	9.986	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.86%	
83) 4-Bromofluorobenzene	10.988	95	205056	10.108	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.08%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	24388	2.047	ug/L	98
3) Chloromethane	1.827	50	22330	2.006	ug/L	97
4) Vinyl chloride	1.877	62	25007	2.042	ug/L	98
5) Bromomethane	2.176	94	16142	1.922	ug/L	92
6) Chloroethane	2.283	64	17428	2.418	ug/L	86
7) Trichlorofluoromethane	2.418	101	30422	1.859	ug/L	98
8) Ethyl ether	2.717	74	11156	1.884	ug/L #	91
10) 1,1-Dichloroethene	2.916	96	19724	2.003	ug/L	92
11) Carbon disulfide	2.944	76	59425	1.992	ug/L	100
12) Freon-113	2.944	101	19802	2.013	ug/L	99
13) Iodomethane	3.058	142	16503	1.420	ug/L	89
14) Acrolein	3.250	56	2640M6	1.697	ug/L	
15) Methylene chloride	3.464	84	23982	2.002	ug/L	96
17) Acetone	3.535	43	5340	2.294	ug/L #	76
18) trans-1,2-Dichloroethene	3.613	96	21735	2.037	ug/L	92
19) Methyl acetate	3.634	43	8823M6	1.608	ug/L	
20) Methyl tert-butyl ether	3.705	73	59752	1.923	ug/L	97
21) tert-Butyl alcohol	3.805	59	8332	8.982	ug/L #	77
22) Diisopropyl ether	4.061	45	58132	1.842	ug/L	97
23) 1,1-Dichloroethane	4.189	63	38484	2.039	ug/L	97
24) Halothane	4.246	117	17794	1.994	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N08.D
 Acq On : 20 Jun 2025 3:21 am
 Operator : GONZO:PID
 Sample : I8260STD2PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 07:07:22 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.267	53	4659	1.558	ug/L #	89
26) Ethyl tert-butyl ether	4.403	59	60521	1.865	ug/L	98
27) Vinyl acetate	4.438	43	35183	1.749	ug/L #	94
28) cis-1,2-Dichloroethene	4.716	96	24779	1.995	ug/L	98
29) 2,2-Dichloropropane	4.808	77	30168	1.911	ug/L	93
30) Bromochloromethane	4.908	128	12225	2.102	ug/L	97
31) Cyclohexane	4.901	56	33161	2.016	ug/L	100
32) Chloroform	4.979	83	37821	1.948	ug/L	99
33) Ethyl acetate	5.093	43	14869	1.804	ug/L	96
34) Carbon tetrachloride	5.100	117	30933	1.995	ug/L	99
35) Tetrahydrofuran	5.128	42	6147M3	2.322	ug/L	
37) 1,1,1-Trichloroethane	5.171	97	34643	2.039	ug/L	98
39) 2-Butanone	5.285	43	5901M6	1.675	ug/L	
40) 1,1-Dichloropropene	5.292	75	27159	2.012	ug/L	99
41) Benzene	5.533	78	85144	2.008	ug/L	98
42) tert-Amyl methyl ether	5.646	73	58666	1.896	ug/L	99
44) 1,2-Dichloroethane	5.745	62	26270	1.890	ug/L	96
47) Methyl cyclohexane	6.112	83	31087	2.045	ug/L	97
48) Trichloroethene	6.133	95	21044	1.811	ug/L	87
50) Dibromomethane	6.577	93	14146	2.016	ug/L	98
51) 1,2-Dichloropropane	6.676	63	21726	1.993	ug/L	97
53) 2-Chloroethyl vinyl ether	7.375	63	9239	1.817	ug/L	100
54) Bromodichloromethane	6.754	83	30673	1.992	ug/L	98
57) 1,4-Dioxane	6.958	88	44919	402.899	ug/L	100
58) cis-1,3-Dichloropropene	7.445	75	35079	1.945	ug/L	99
61) Toluene	7.699	92	55626	2.019	ug/L	100
62) 4-Methyl-2-pentanone	8.144	58	6522	1.940	ug/L	97
63) Tetrachloroethene	8.137	166	25635	2.011	ug/L	97
65) trans-1,3-Dichloropropene	8.193	75	30750	1.934	ug/L	86
67) Ethyl methacrylate	8.384	69	23673	1.839	ug/L	95
68) 1,1,2-Trichloroethane	8.384	83	15386	1.882	ug/L	96
69) Chlorodibromomethane	8.588	129	24783	1.898	ug/L	98
70) 1,3-Dichloropropane	8.694	76	31819	1.999	ug/L	98
71) 1,2-Dibromoethane	8.864	107	20116	1.937	ug/L	97
72) 2-Hexanone	9.160	43	9537	1.709	ug/L #	91
73) Chlorobenzene	9.506	112	65809	2.016	ug/L	95
74) Ethylbenzene	9.541	91	104907	1.989	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.590	131	24070	1.918	ug/L	95
76) p/m Xylene	9.731	106	83234	3.962	ug/L	98
77) o Xylene	10.268	106	83502	3.964	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N08.D
 Acq On : 20 Jun 2025 3:21 am
 Operator : GONZO:PID
 Sample : I8260STD2PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 07:07:22 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

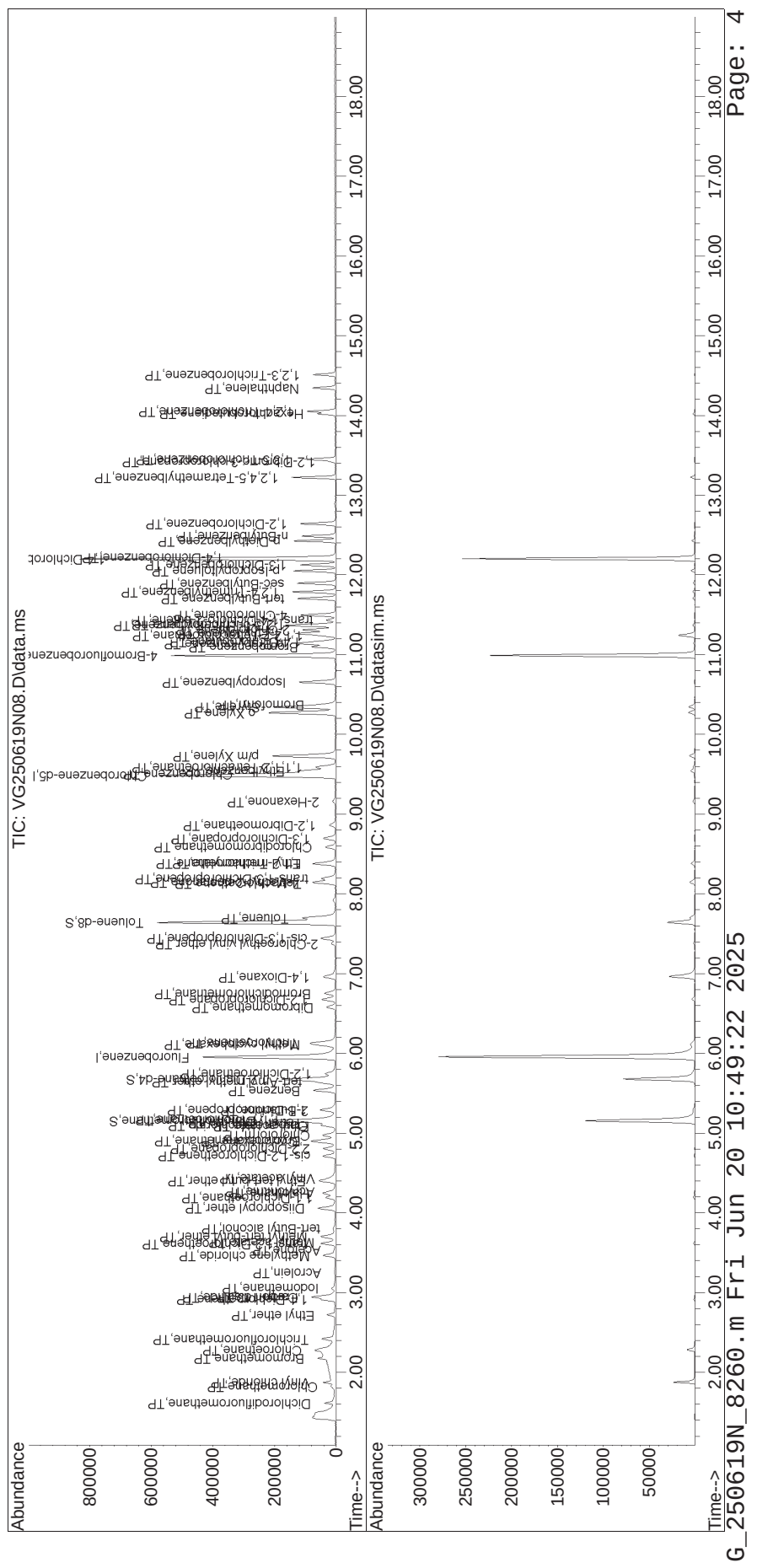
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.345	104	137330	3.799	ug/L	100
80)	Bromoform	10.373	173	17682	1.912	ug/L	100
82)	Isopropylbenzene	10.656	105	100197	2.001	ug/L	99
84)	Bromobenzene	11.102	156	31381	2.047	ug/L	98
85)	n-Propylbenzene	11.137	91	112203	1.959	ug/L	99
86)	1,4-Dichlorobutane	11.165	55	31512	1.925	ug/L	96
87)	1,1,2,2-Tetrachloroethane	11.243	83	25414	1.962	ug/L	97
88)	4-Ethyltoluene	11.264	105	98942	2.002	ug/L	99
89)	2-Chlorotoluene	11.314	91	72607M6	2.017	ug/L	
90)	1,3,5-Trimethylbenzene	11.370	105	86429	2.007	ug/L	98
91)	1,2,3-Trichloropropane	11.377	75	19480	1.979	ug/L	99
92)	trans-1,4-Dichloro-2-b...	11.434	53	7267	2.011	ug/L	91
93)	4-Chlorotoluene	11.498	91	71446	1.887	ug/L	97
94)	tert-Butylbenzene	11.703	119	71163	1.990	ug/L	98
97)	1,2,4-Trimethylbenzene	11.788	105	85522	1.990	ug/L	99
98)	sec-Butylbenzene	11.894	105	96199	1.973	ug/L	100
99)	p-Isopropyltoluene	12.049	119	85809	1.956	ug/L	99
100)	1,3-Dichlorobenzene	12.127	146	56222	2.021	ug/L	99
101)	1,4-Dichlorobenzene	12.219	146	56228	1.968	ug/L	95
102)	p-Diethylbenzene	12.424	119	49205	1.897	ug/L	99
103)	n-Butylbenzene	12.488	91	64954	1.926	ug/L	100
104)	1,2-Dichlorobenzene	12.644	146	52968	1.994	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.224	119	76440	1.946	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.422	155	4595	1.946	ug/L	95
107)	1,3,5-Trichlorobenzene	13.450	180	35336	2.020	ug/L	99
108)	Hexachlorobutadiene	14.023	225	11380	2.049	ug/L	98
109)	1,2,4-Trichlorobenzene	14.051	180	30446	2.024	ug/L	98
110)	Naphthalene	14.341	128	63385	2.024	ug/L	100
111)	1,2,3-Trichlorobenzene	14.511	180	23532	2.034	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N08.D
Acq On : 20 Jun 2025 3:21 am
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 07:07:22 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

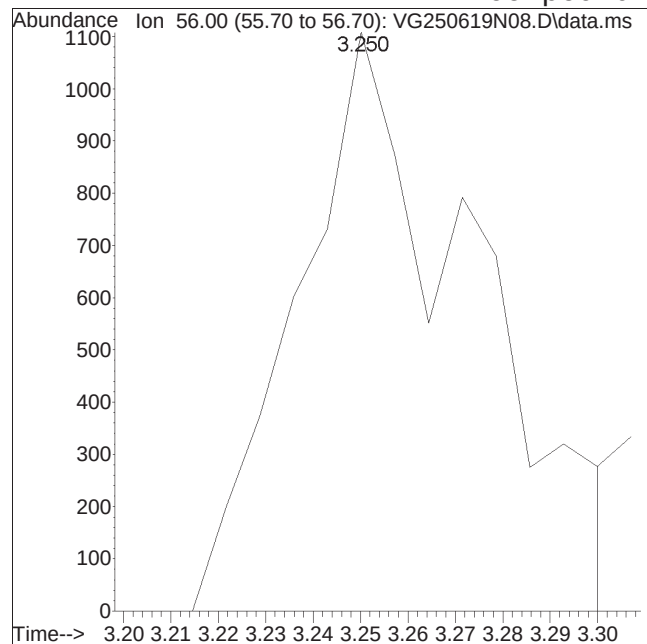
SAMPLE(S) : 8260KCN08080250619N08.D
SOLVENT(S) : 8260KCN08080250619N08.D



Manual Integration Report

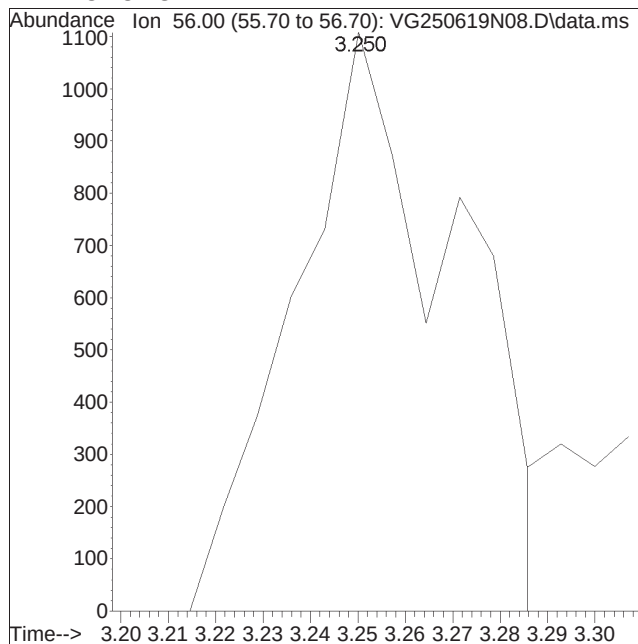
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N08.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 3:21 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 6/20/2025 7:07 am

Compound #14: Acrolein



Original Peak Response = 2895

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

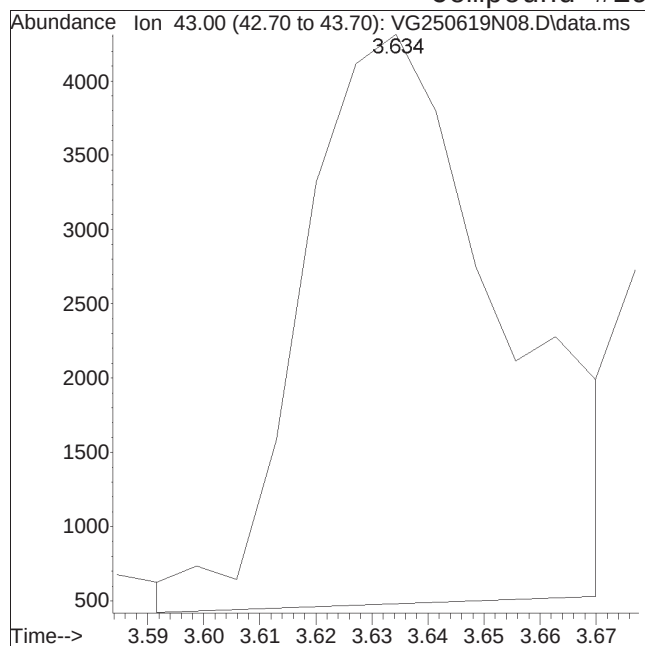


Manual Peak Response = 2640 M6

Manual Integration Report

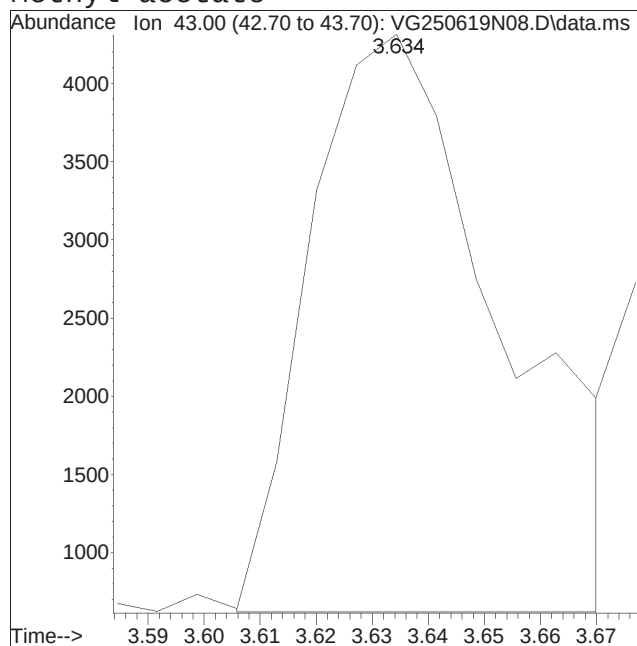
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N08.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 3:21 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 6/20/2025 7:07 am

Compound #19: Methyl acetate



Original Peak Response = 9563

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

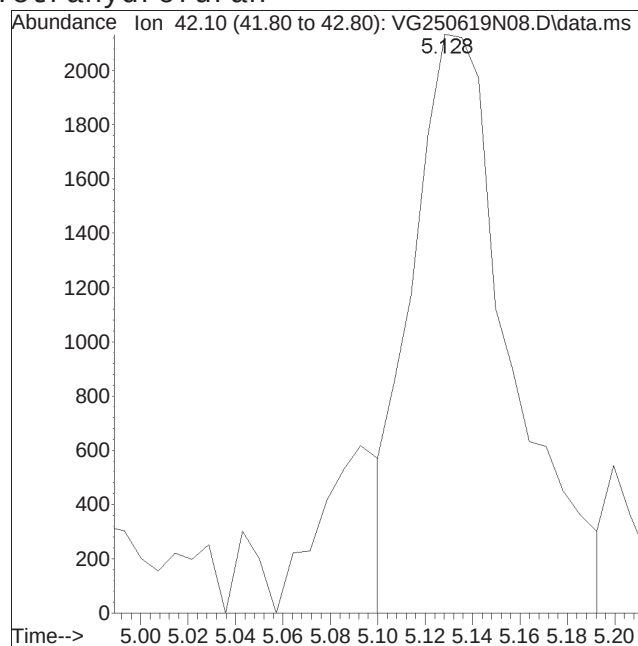
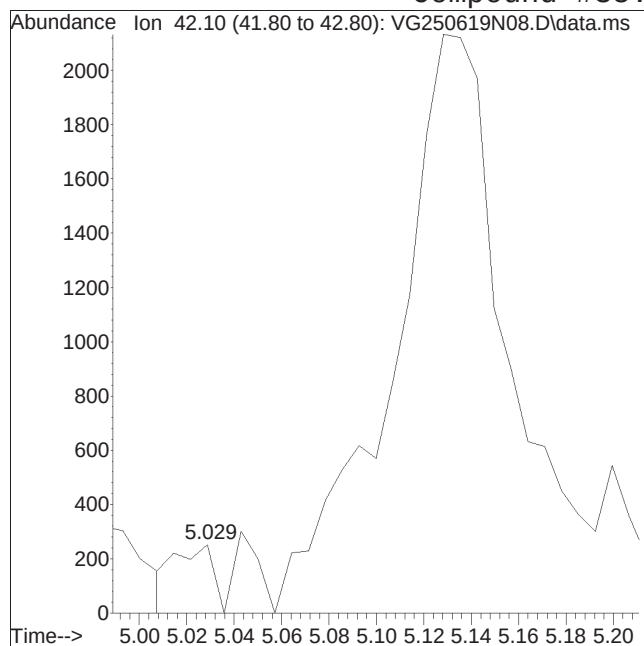


Manual Peak Response = 8823 M6

Manual Integration Report

Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N08.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 3:21 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 286

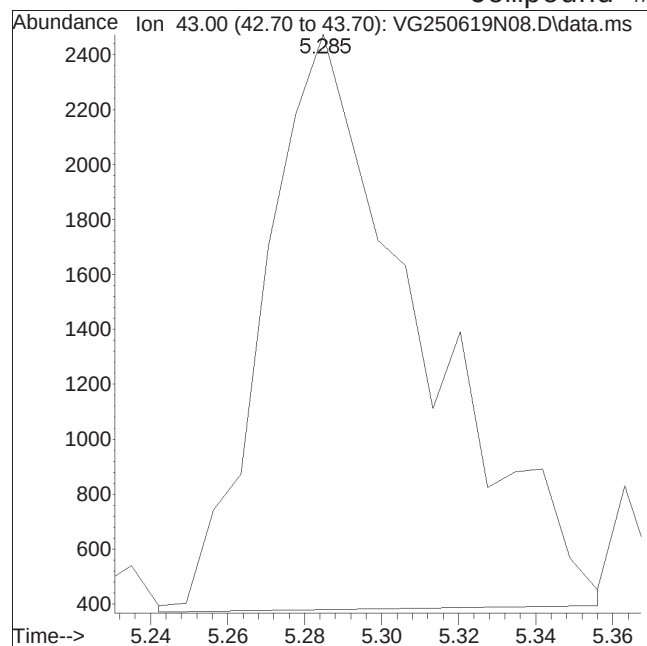
Manual Peak Response = 6147 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

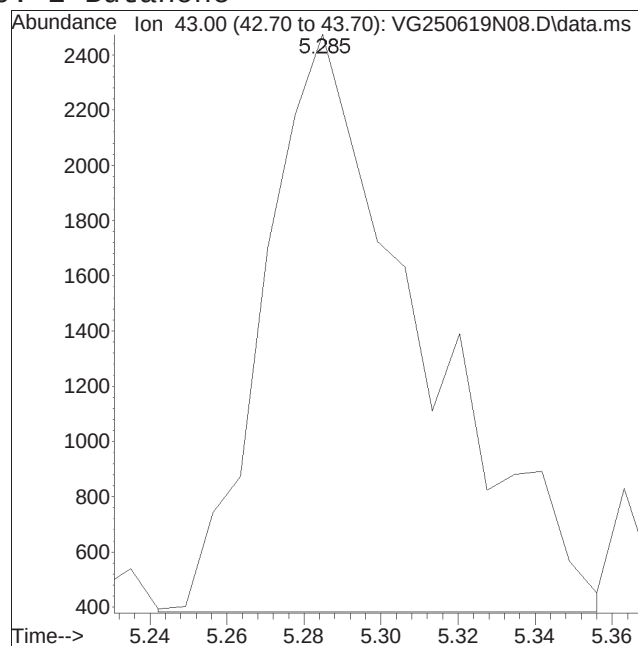
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N08.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 3:21 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 6/20/2025 7:07 am

Compound #39: 2-Butanone



Original Peak Response = 5905

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

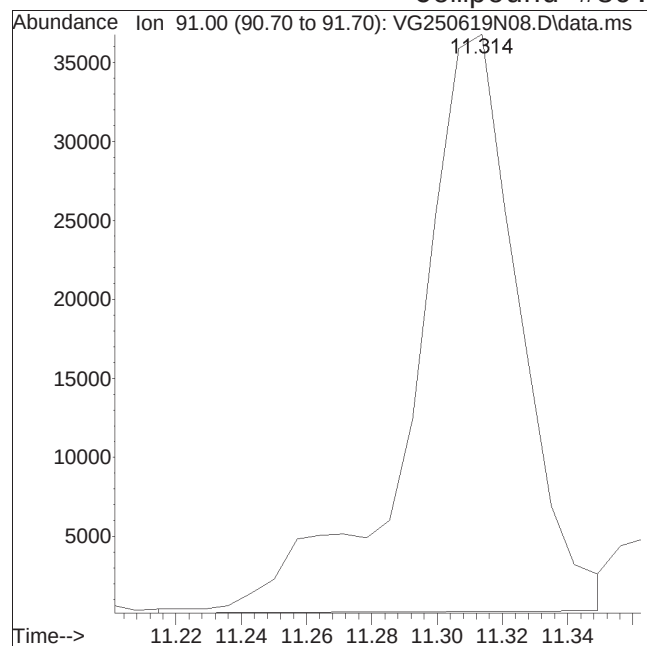


Manual Peak Response = 5901 M6

Manual Integration Report

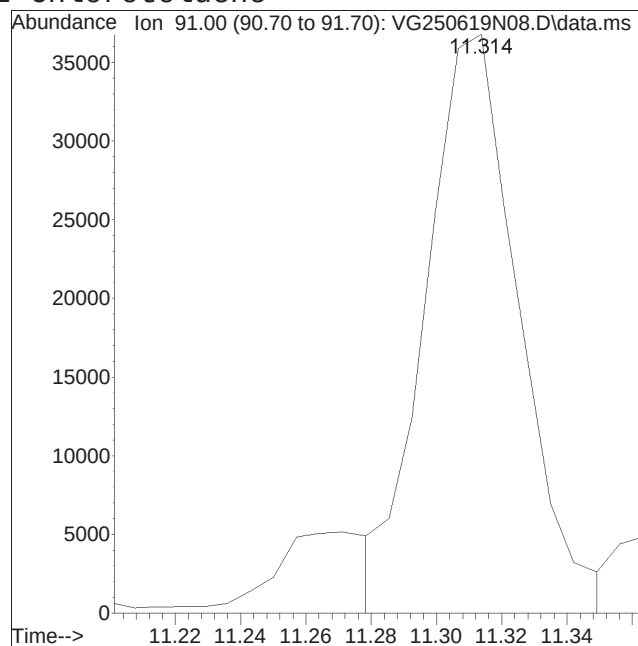
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N08.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 3:21 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 81496

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 72607 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N10.D
 Acq On : 20 Jun 2025 4:15 am
 Operator : GONZO:PID
 Sample : I8260STD10PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 07:07:29 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.957	96	552092	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.484	117	440365	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.198	152	255053	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	142923	9.973	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.73%		
43) 1,2-Dichloroethane-d4	5.674	65	150189	10.237	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.37%		
60) Toluene-d8	7.643	98	547657	10.012	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.12%		
83) 4-Bromofluorobenzene	10.988	95	210277	9.996	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.96%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	123021	10.168	ug/L	100
3) Chloromethane	1.820	50	110468	9.776	ug/L	100
4) Vinyl chloride	1.877	62	128921	10.370	ug/L	100
5) Bromomethane	2.176	94	75272	8.829	ug/L	100
6) Chloroethane	2.283	64	85005	11.614	ug/L	100
7) Trichlorofluoromethane	2.418	101	170591	10.264	ug/L	100
8) Ethyl ether	2.724	74	58807	9.782	ug/L	100
10) 1,1-Dichloroethene	2.909	96	99936	9.995	ug/L	100
11) Carbon disulfide	2.944	76	301684	9.962	ug/L	100
12) Freon-113	2.944	101	101398	10.150	ug/L	100
13) Iodomethane	3.058	142	94752	8.031	ug/L	100
14) Acrolein	3.243	56	16622	10.524	ug/L	100
15) Methylene chloride	3.464	84	112721	9.268	ug/L	100
17) Acetone	3.513	43	21339	9.029	ug/L	100
18) trans-1,2-Dichloroethene	3.613	96	109138	10.073	ug/L	100
19) Methyl acetate	3.620	43	53316	9.572	ug/L	100
20) Methyl tert-butyl ether	3.698	73	315022	9.983	ug/L	100
21) tert-Butyl alcohol	3.805	59	46457	49.321	ug/L	100
22) Diisopropyl ether	4.054	45	322298	10.058	ug/L	100
23) 1,1-Dichloroethane	4.189	63	196459	10.254	ug/L	100
24) Halothane	4.246	117	91759	10.127	ug/L	100
25) Acrylonitrile	4.246	53	29639	9.761	ug/L	100
26) Ethyl tert-butyl ether	4.403	59	330501	10.031	ug/L	100
27) Vinyl acetate	4.424	43	191918	9.394	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	127475	10.107	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N10.D
 Acq On : 20 Jun 2025 4:15 am
 Operator : GONZO:PID
 Sample : I8260STD10PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 07:07:29 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29)	2,2-Dichloropropane	4.808	77	160432	10.008	ug/L	100
30)	Bromochloromethane	4.908	128	60345	10.221	ug/L	100
31)	Cyclohexane	4.894	56	164588	9.854	ug/L	100
32)	Chloroform	4.979	83	195756	9.929	ug/L	100
33)	Ethyl acetate	5.086	43	84763	10.126	ug/L	100
34)	Carbon tetrachloride	5.100	117	163459	10.381	ug/L	100
35)	Tetrahydrofuran	5.128	42	25007M6	9.302	ug/L	
37)	1,1,1-Trichloroethane	5.164	97	172888	10.021	ug/L	100
39)	2-Butanone	5.271	43	30859	8.626	ug/L	100
40)	1,1-Dichloropropene	5.292	75	137312	10.019	ug/L	100
41)	Benzene	5.533	78	439511	10.208	ug/L	100
42)	tert-Amyl methyl ether	5.639	73	309920	9.864	ug/L	100
44)	1,2-Dichloroethane	5.745	62	137802	9.763	ug/L	100
47)	Methyl cyclohexane	6.112	83	154286	9.997	ug/L	100
48)	Trichloroethene	6.133	95	119536	10.133	ug/L	100
50)	Dibromomethane	6.577	93	70693	9.922	ug/L	100
51)	1,2-Dichloropropane	6.676	63	112797	10.193	ug/L	100
53)	2-Chloroethyl vinyl ether	7.368	63	49995	9.682	ug/L	100
54)	Bromodichloromethane	6.754	83	157091	10.046	ug/L	100
57)	1,4-Dioxane	6.959	88	55692	491.972	ug/L	100
58)	cis-1,3-Dichloropropene	7.438	75	183655	10.030	ug/L	100
61)	Toluene	7.699	92	284300	10.083	ug/L	100
62)	4-Methyl-2-pentanone	8.137	58	34253	9.955	ug/L	100
63)	Tetrachloroethene	8.144	166	136645	10.477	ug/L	100
65)	trans-1,3-Dichloropropene	8.193	75	163221	10.034	ug/L	100
67)	Ethyl methacrylate	8.370	69	129124	9.802	ug/L	100
68)	1,1,2-Trichloroethane	8.377	83	81323	9.723	ug/L	100
69)	Chlorodibromomethane	8.588	129	129863	9.716	ug/L	100
70)	1,3-Dichloropropane	8.694	76	164456	10.097	ug/L	100
71)	1,2-Dibromoethane	8.857	107	106743	10.044	ug/L	100
72)	2-Hexanone	9.146	43	57458	10.062	ug/L	100
73)	Chlorobenzene	9.506	112	336245	10.067	ug/L	100
74)	Ethylbenzene	9.541	91	543977	10.076	ug/L	100
75)	1,1,1,2-Tetrachloroethane	9.590	131	127525	9.930	ug/L	100
76)	p/m Xylene	9.724	106	439022	20.421	ug/L	100
77)	o Xylene	10.268	106	433677	20.118	ug/L	100
78)	Styrene	10.338	104	738458	19.965	ug/L	100
80)	Bromoform	10.374	173	91820	9.577	ug/L	100
82)	Isopropylbenzene	10.656	105	526647	10.142	ug/L	100
84)	Bromobenzene	11.095	156	162337	10.214	ug/L	100
85)	n-Propylbenzene	11.137	91	601334	10.127	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N10.D
 Acq On : 20 Jun 2025 4:15 am
 Operator : GONZO:PID
 Sample : I8260STD10PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 07:07:29 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

86)	1,4-Dichlorobutane	11.165	55	164305	9.680	ug/L	100
87)	1,1,2,2-Tetrachloroethane	11.236	83	127945	9.524	ug/L	100
88)	4-Ethyltoluene	11.264	105	519716	10.143	ug/L	100
89)	2-Chlorotoluene	11.307	91	373597M6	10.010	ug/L	
90)	1,3,5-Trimethylbenzene	11.363	105	447768	10.029	ug/L	100
91)	1,2,3-Trichloropropane	11.377	75	100744	9.868	ug/L	100
92)	trans-1,4-Dichloro-2-b...	11.427	53	33576	8.959	ug/L	100
93)	4-Chlorotoluene	11.491	91	396514	10.102	ug/L	100
94)	tert-Butylbenzene	11.703	119	374982	10.114	ug/L	100
97)	1,2,4-Trimethylbenzene	11.788	105	446684	10.023	ug/L	100
98)	sec-Butylbenzene	11.894	105	510754	10.101	ug/L	100
99)	p-Isopropyltoluene	12.049	119	459240	10.098	ug/L	100
100)	1,3-Dichlorobenzene	12.120	146	289313	10.029	ug/L	100
101)	1,4-Dichlorobenzene	12.219	146	297837	10.055	ug/L	100
102)	p-Diethylbenzene	12.424	119	268480	9.981	ug/L	100
103)	n-Butylbenzene	12.481	91	348666	9.973	ug/L	100
104)	1,2-Dichlorobenzene	12.644	146	279180	10.133	ug/L	100
105)	1,2,4,5-Tetramethylben...	13.224	119	409959	10.066	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.422	155	24534	10.020	ug/L	100
107)	1,3,5-Trichlorobenzene	13.450	180	188972	10.417	ug/L	100
108)	Hexachlorobutadiene	14.023	225	58182	10.104	ug/L	100
109)	1,2,4-Trichlorobenzene	14.051	180	161410	10.349	ug/L	100
110)	Naphthalene	14.341	128	326250	10.046	ug/L	100
111)	1,2,3-Trichlorobenzene	14.511	180	124336	10.366	ug/L	100

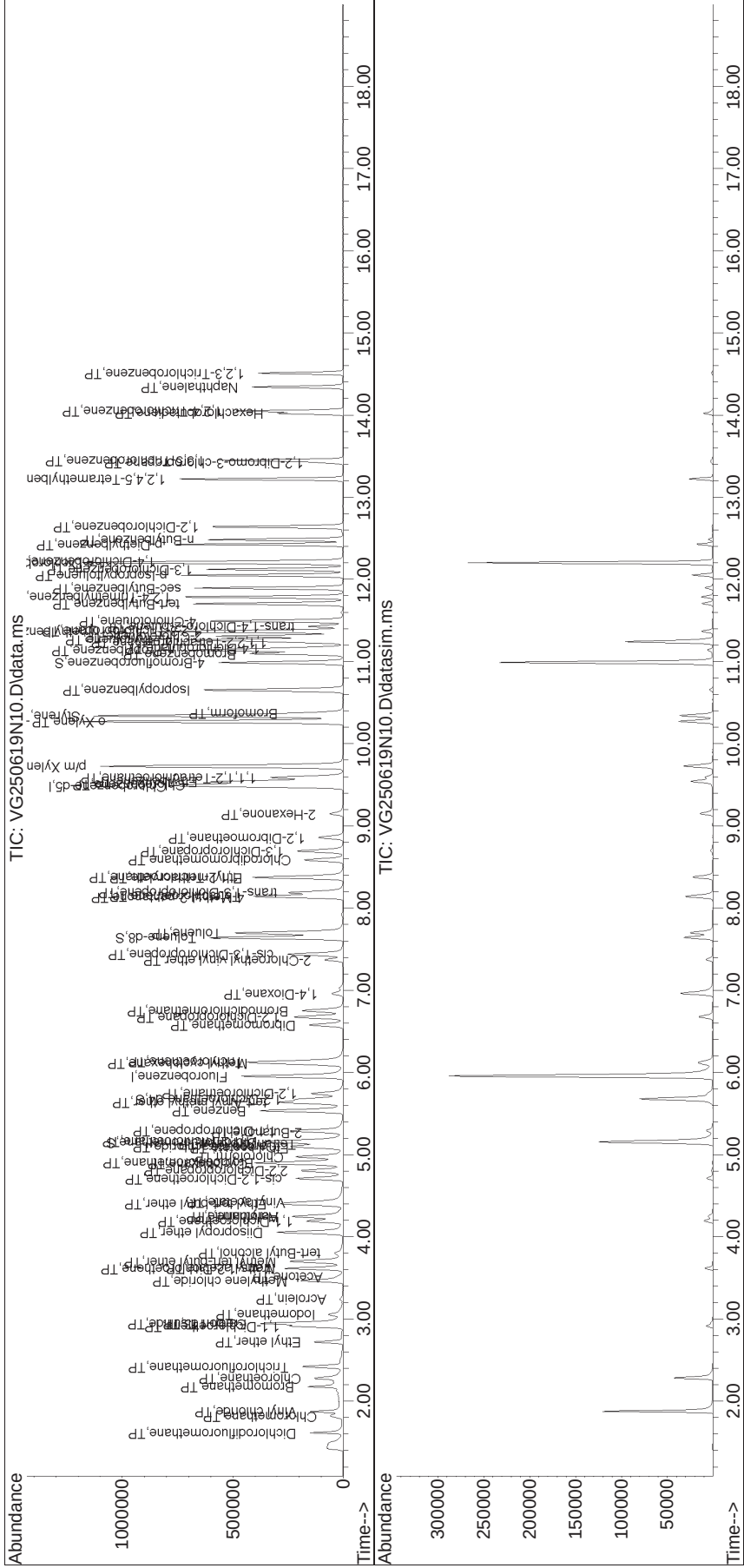
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N10.D
Acq On : 20 Jun 2025 4:15 am
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG2081469, ICAL (Sig #1); WG, ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 07:07:29 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

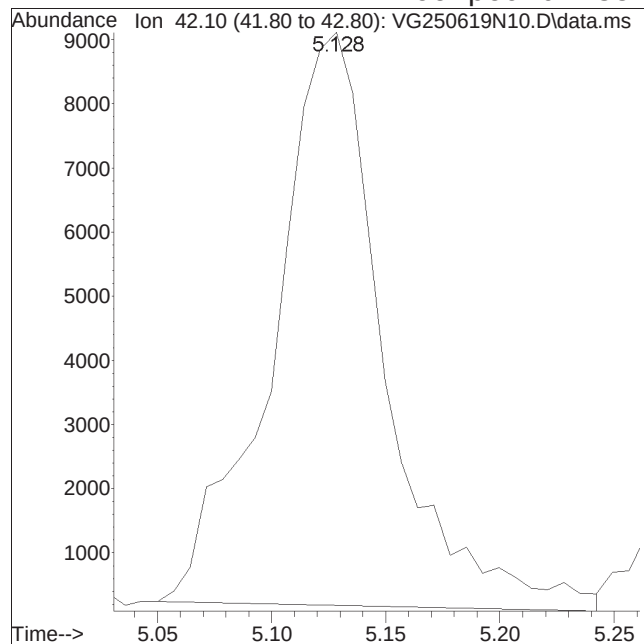
Sub List : 8260-Curve - Megamix plus Diox



Manual Integration Report

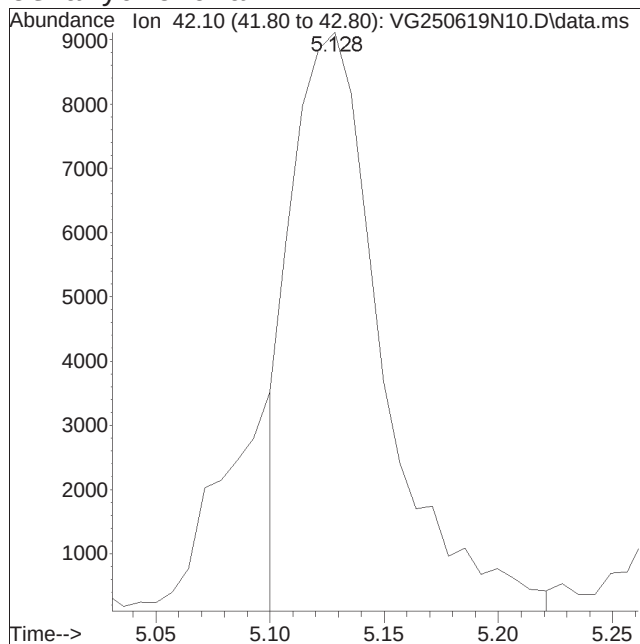
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Data File : VG250619N10.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 4:15 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 30441

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

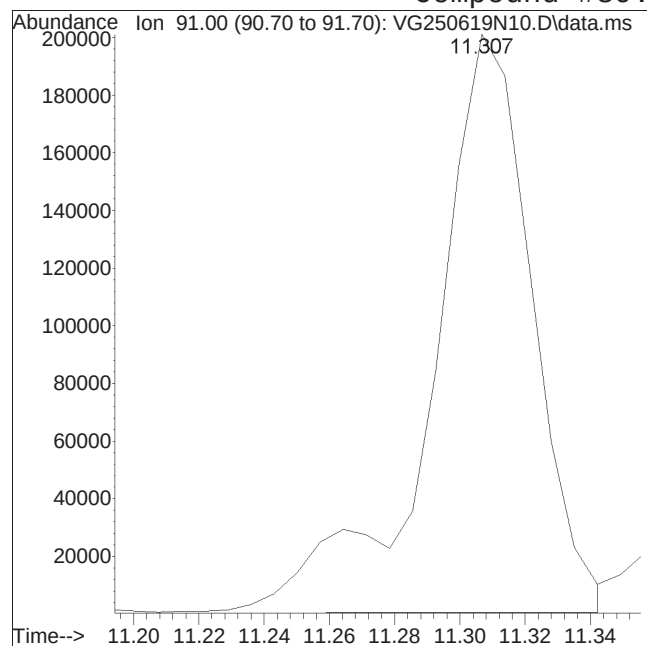


Manual Peak Response = 25007 M6

Manual Integration Report

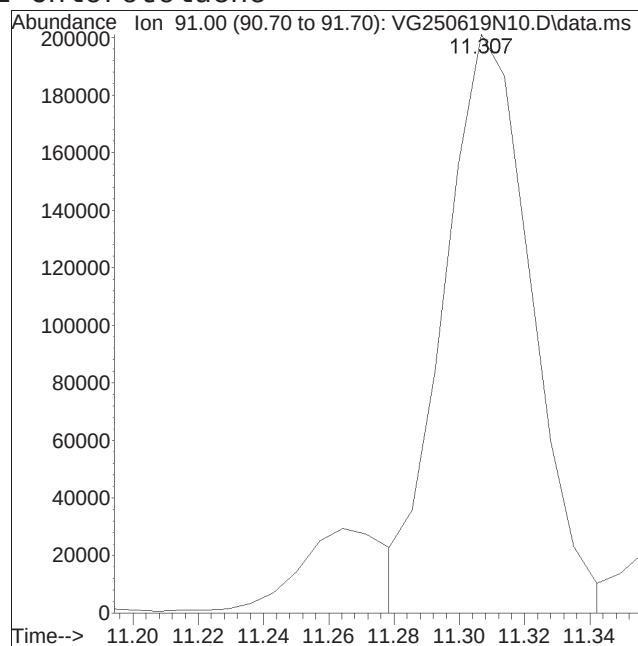
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N10.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 4:15 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 426050

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 373597 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N11.D
 Acq On : 20 Jun 2025 4:41 am
 Operator : GONZO:PID
 Sample : I8260STD30PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 20 07:07:37 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.957	96	533744	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery	=	96.68%	
59) Chlorobenzene-d5	9.484	117	425943	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery	=	96.72%	
79) 1,4-Dichlorobenzene-d4	12.198	152	247904	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery	=	97.20%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	139262	10.052	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.52%	
43) 1,2-Dichloroethane-d4	5.674	65	140319	9.893	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.93%	
60) Toluene-d8	7.643	98	525921	9.940	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.40%	
83) 4-Bromofluorobenzene	10.988	95	205056	10.029	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.29%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	363280	31.059	ug/L	99
3) Chloromethane	1.827	50	330313	30.236	ug/L	99
4) Vinyl chloride	1.877	62	378505	31.492	ug/L	100
5) Bromomethane	2.176	94	242740	29.452	ug/L	98
6) Chloroethane	2.275	64	235409	33.269	ug/L	97
7) Trichlorofluoromethane	2.425	101	523966	32.609	ug/L	99
8) Ethyl ether	2.717	74	181122	31.162	ug/L	99
10) 1,1-Dichloroethene	2.916	96	304322	31.483	ug/L	100
11) Carbon disulfide	2.944	76	906807	30.973	ug/L	100
12) Freon-113	2.944	101	311043	32.206	ug/L	97
13) Iodomethane	3.058	142	365479	32.043	ug/L	99
14) Acrolein	3.236	56	47057	30.817	ug/L	90
15) Methylene chloride	3.464	84	335984	28.574	ug/L	99
17) Acetone	3.513	43	66015	28.892	ug/L	99
18) trans-1,2-Dichloroethene	3.613	96	331406	31.639	ug/L	99
19) Methyl acetate	3.620	43	172603	32.052	ug/L	99
20) Methyl tert-butyl ether	3.698	73	961016	31.502	ug/L	99
21) tert-Butyl alcohol	3.798	59	140450	154.235	ug/L	96
22) Diisopropyl ether	4.054	45	976054	31.506	ug/L	100
23) 1,1-Dichloroethane	4.189	63	587154	31.699	ug/L	99
24) Halothane	4.246	117	276941	31.614	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N11.D
 Acq On : 20 Jun 2025 4:41 am
 Operator : GONZO:PID
 Sample : I8260STD30PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 20 07:07:37 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.246	53	92465	31.497	ug/L	97
26) Ethyl tert-butyl ether	4.403	59	988003	31.017	ug/L	96
27) Vinyl acetate	4.424	43	621043	31.444	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	379759	31.146	ug/L	96
29) 2,2-Dichloropropane	4.801	77	504072	32.525	ug/L	100
30) Bromochloromethane	4.901	128	168713	29.557	ug/L	97
31) Cyclohexane	4.894	56	501105	31.033	ug/L	100
32) Chloroform	4.972	83	571412	29.980	ug/L	97
33) Ethyl acetate	5.079	43	263345	32.542	ug/L	97
34) Carbon tetrachloride	5.100	117	472151	31.017	ug/L	96
35) Tetrahydrofuran	5.121	42	77531M6	29.832	ug/L	
37) 1,1,1-Trichloroethane	5.164	97	531007	31.836	ug/L	99
39) 2-Butanone	5.263	43	105669	30.553	ug/L	88
40) 1,1-Dichloropropene	5.285	75	413129	31.182	ug/L	100
41) Benzene	5.533	78	1307052	31.400	ug/L	100
42) tert-Amyl methyl ether	5.639	73	947126	31.182	ug/L	99
44) 1,2-Dichloroethane	5.738	62	419159	30.718	ug/L	100
47) Methyl cyclohexane	6.112	83	471177	31.581	ug/L	98
48) Trichloroethene	6.133	95	353650	31.010	ug/L	98
50) Dibromomethane	6.577	93	211400	30.690	ug/L	98
51) 1,2-Dichloropropane	6.676	63	332302	31.062	ug/L	98
53) 2-Chloroethyl vinyl ether	7.368	63	161078	32.267	ug/L	100
54) Bromodichloromethane	6.754	83	468613	30.997	ug/L	100
57) 1,4-Dioxane	6.958	88	67033	612.512	ug/L	98
58) cis-1,3-Dichloropropene	7.438	75	558568	31.553	ug/L	100
61) Toluene	7.699	92	840933	30.833	ug/L	99
62) 4-Methyl-2-pentanone	8.137	58	104181	31.304	ug/L	99
63) Tetrachloroethene	8.144	166	402876	31.937	ug/L	99
65) trans-1,3-Dichloropropene	8.186	75	499595	31.751	ug/L	100
67) Ethyl methacrylate	8.370	69	401359	31.499	ug/L	99
68) 1,1,2-Trichloroethane	8.377	83	248648	30.736	ug/L	98
69) Chlorodibromomethane	8.581	129	396370	30.661	ug/L	100
70) 1,3-Dichloropropane	8.694	76	491470	31.195	ug/L	99
71) 1,2-Dibromoethane	8.856	107	321853	31.312	ug/L	99
72) 2-Hexanone	9.146	43	170328	30.838	ug/L	97
73) Chlorobenzene	9.506	112	1003090	31.048	ug/L	99
74) Ethylbenzene	9.541	91	1613882	30.907	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.590	131	383427	30.866	ug/L	99
76) p/m Xylene	9.724	106	1292273	62.145	ug/L	97
77) o Xylene	10.268	106	1282806	61.525	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N11.D
 Acq On : 20 Jun 2025 4:41 am
 Operator : GONZO:PID
 Sample : I8260STD30PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 20 07:07:37 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

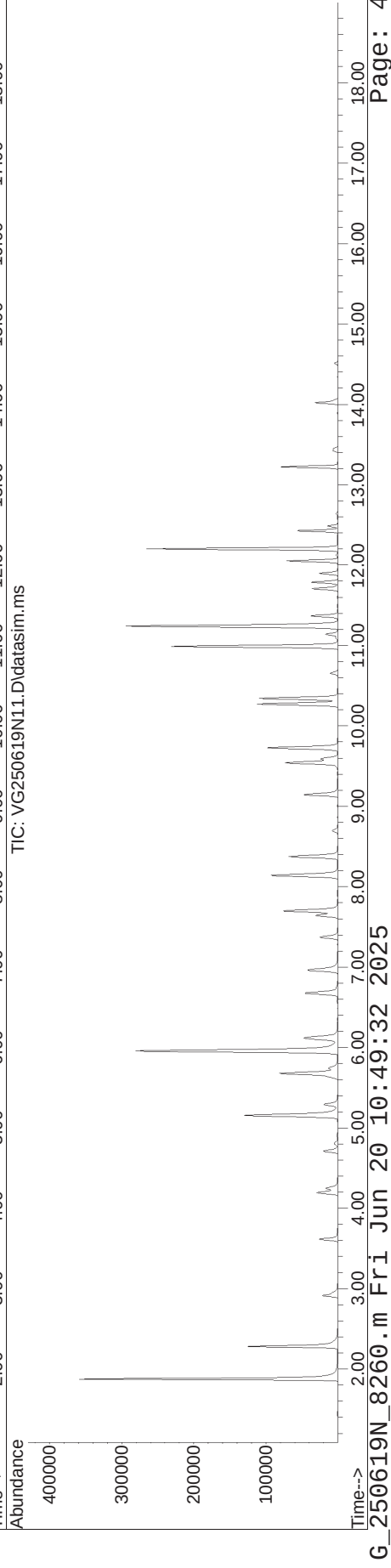
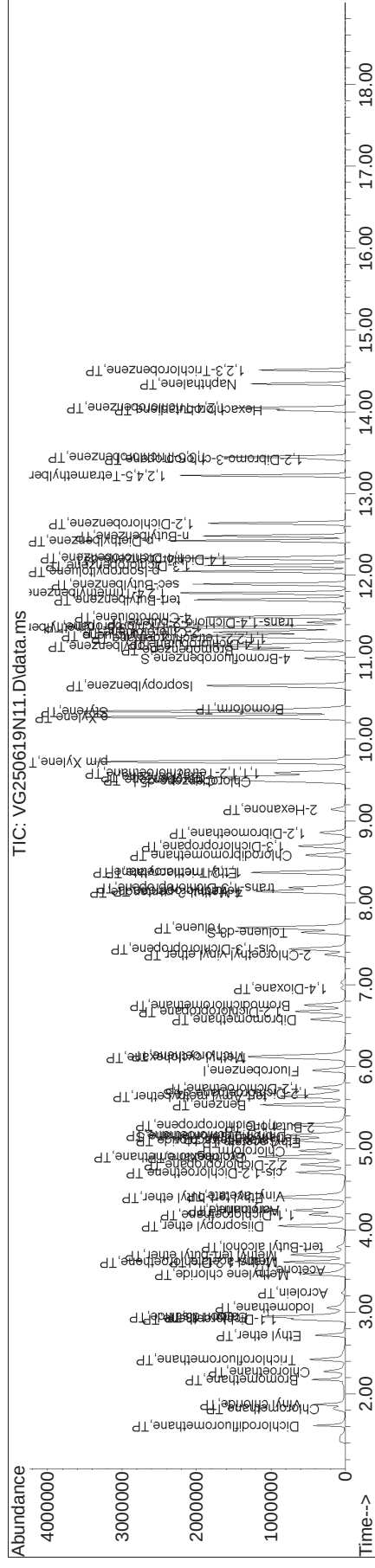
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.338	104	2227271	62.255	ug/L	99
80)	Bromoform	10.373	173	287688	30.873	ug/L	99
82)	Isopropylbenzene	10.656	105	1594388	31.589	ug/L	100
84)	Bromobenzene	11.094	156	483597	31.304	ug/L	99
85)	n-Propylbenzene	11.137	91	1815748	31.460	ug/L	100
86)	1,4-Dichlorobutane	11.165	55	499220	30.259	ug/L	99
87)	1,1,2,2-Tetrachloroethane	11.236	83	389141	29.803	ug/L	99
88)	4-Ethyltoluene	11.264	105	1569582	31.515	ug/L	99
89)	2-Chlorotoluene	11.307	91	1119249M1	30.855	ug/L	
90)	1,3,5-Trimethylbenzene	11.363	105	1360414	31.347	ug/L	100
91)	1,2,3-Trichloropropane	11.377	75	307709	31.009	ug/L	99
92)	trans-1,4-Dichloro-2-b...	11.427	53	108308	29.732	ug/L	98
93)	4-Chlorotoluene	11.491	91	1193210	31.275	ug/L	100
94)	tert-Butylbenzene	11.703	119	1125964	31.244	ug/L	100
97)	1,2,4-Trimethylbenzene	11.788	105	1352054	31.215	ug/L	100
98)	sec-Butylbenzene	11.894	105	1535253	31.237	ug/L	99
99)	p-Isopropyltoluene	12.049	119	1403937	31.759	ug/L	100
100)	1,3-Dichlorobenzene	12.120	146	875174	31.211	ug/L	99
101)	1,4-Dichlorobenzene	12.219	146	886605	30.794	ug/L	100
102)	p-Diethylbenzene	12.424	119	826927	31.627	ug/L	99
103)	n-Butylbenzene	12.481	91	1086096	31.961	ug/L	99
104)	1,2-Dichlorobenzene	12.636	146	835235	31.190	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.224	119	1230565	31.088	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.422	155	73095	30.713	ug/L	91
107)	1,3,5-Trichlorobenzene	13.450	180	559688	31.742	ug/L	98
108)	Hexachlorobutadiene	14.023	225	178277	31.854	ug/L	100
109)	1,2,4-Trichlorobenzene	14.051	180	482335	31.816	ug/L	100
110)	Naphthalene	14.341	128	982501	31.125	ug/L	100
111)	1,2,3-Trichlorobenzene	14.511	180	371069	31.828	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path      : K:\Gonzo\2025\250619NICAL\
Data File     : VG250619N11.D
Acq On        : 20 Jun 2025   4:41 am
Operator      : GONZO:PID
Sample        : I8260STD30PPB
Misc          : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial      : 11 Sample Multiplier: 1
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Quant Time: Jun 20 07:07:37 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

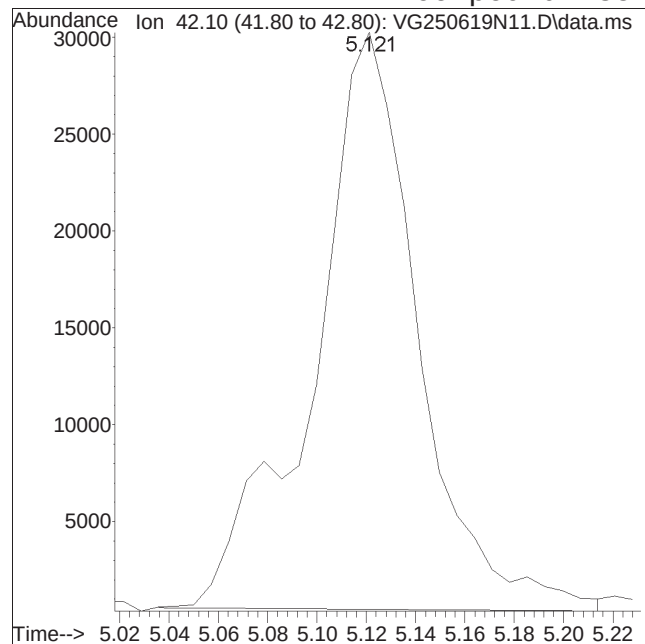
SOALL\$TE(s) : 8260KC\Gvaze\2005\19NIDAbXVG250619N10.D.



Manual Integration Report

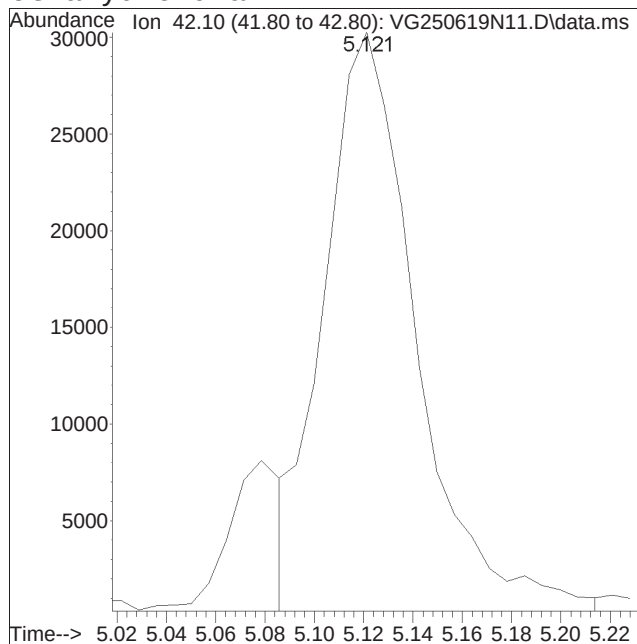
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N11.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 4:41 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 87611

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

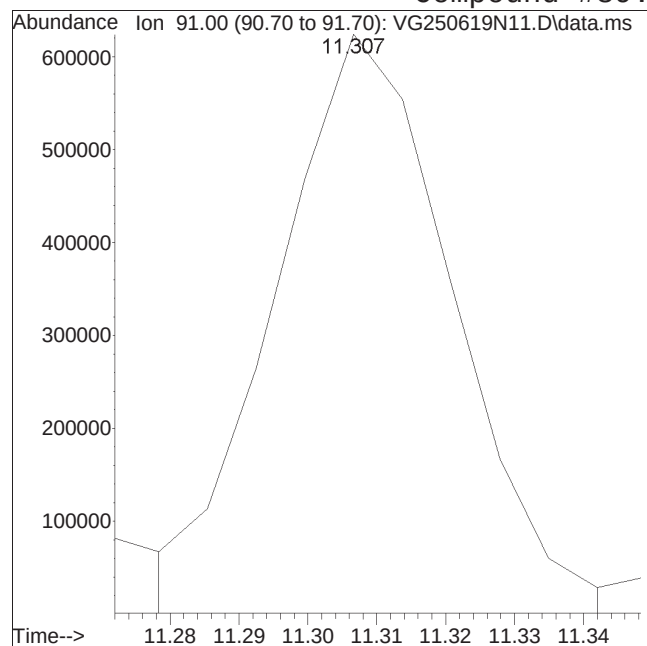


Manual Peak Response = 77531 M6

Manual Integration Report

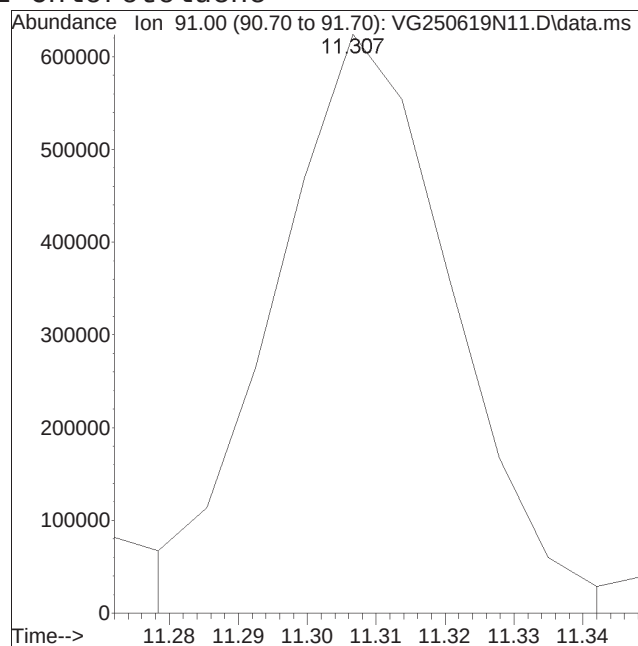
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N11.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 4:41 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 1113910

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 1119249 M1

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N12.D
 Acq On : 20 Jun 2025 5:08 am
 Operator : GONZO:PID
 Sample : I8260STD80PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 20 07:07:44 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.957	96	537443	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery	=	97.35%	
59) Chlorobenzene-d5	9.484	117	434690	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery	=	98.71%	
79) 1,4-Dichlorobenzene-d4	12.198	152	255032	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery	=	99.99%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	139195	9.978	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.78%	
43) 1,2-Dichloroethane-d4	5.674	65	138897	9.725	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.25%	
60) Toluene-d8	7.636	98	540302	10.007	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.07%	
83) 4-Bromofluorobenzene	10.988	95	206518	9.818	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.18%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	973090	82.623	ug/L	99
3) Chloromethane	1.820	50	894262	81.295	ug/L	98
4) Vinyl chloride	1.870	62	1030913	85.183	ug/L	100
5) Bromomethane	2.176	94	699470	84.282	ug/L	98
6) Chloroethane	2.276	64	526754	73.931	ug/L	97
7) Trichlorofluoromethane	2.425	101	1405052	86.842	ug/L	100
8) Ethyl ether	2.717	74	495939	84.740	ug/L	96
10) 1,1-Dichloroethene	2.916	96	830465	85.324	ug/L	99
11) Carbon disulfide	2.944	76	2479798	84.118	ug/L	99
12) Freon-113	2.944	101	819542	84.273	ug/L	97
13) Iodomethane	3.051	142	1114658	97.054	ug/L	99
14) Acrolein	3.229	56	127800	83.118	ug/L	86
15) Methylene chloride	3.464	84	898664	75.903	ug/L	99
17) Acetone	3.506	43	185519	80.636	ug/L	99
18) trans-1,2-Dichloroethene	3.613	96	905885	85.890	ug/L	98
19) Methyl acetate	3.620	43	464471	85.657	ug/L	98
20) Methyl tert-butyl ether	3.698	73	2596526	84.528	ug/L	100
21) tert-Butyl alcohol	3.798	59	393603	429.261	ug/L	98
22) Diisopropyl ether	4.054	45	2674425	85.735	ug/L	99
23) 1,1-Dichloroethane	4.189	63	1578370	84.626	ug/L	98
24) Halothane	4.246	117	744877	84.447	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N12.D
 Acq On : 20 Jun 2025 5:08 am
 Operator : GONZO:PID
 Sample : I8260STD80PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 20 07:07:44 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.246	53	257586	87.139	ug/L	98
26) Ethyl tert-butyl ether	4.403	59	2729657	85.103	ug/L	97
27) Vinyl acetate	4.417	43	1691856	85.070	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	1027441	83.685	ug/L	96
29) 2,2-Dichloropropane	4.801	77	1350219	86.522	ug/L	100
30) Bromochloromethane	4.908	128	448052	77.954	ug/L	98
31) Cyclohexane	4.894	56	1337671	82.272	ug/L	99
32) Chloroform	4.972	83	1594364	83.075	ug/L	97
33) Ethyl acetate	5.079	43	733048	89.961	ug/L	99
34) Carbon tetrachloride	5.100	117	1299379	84.774	ug/L	96
35) Tetrahydrofuran	5.114	42	213005M6	81.395	ug/L	
37) 1,1,1-Trichloroethane	5.164	97	1430863	85.195	ug/L	98
39) 2-Butanone	5.264	43	312816	89.825	ug/L #	85
40) 1,1-Dichloropropene	5.285	75	1123279	84.198	ug/L	99
41) Benzene	5.533	78	3571769	85.215	ug/L	100
42) tert-Amyl methyl ether	5.639	73	2607451	85.253	ug/L	99
44) 1,2-Dichloroethane	5.738	62	1141177	83.055	ug/L	99
47) Methyl cyclohexane	6.112	83	1271105	84.611	ug/L	99
48) Trichloroethene	6.126	95	966512	84.165	ug/L	99
50) Dibromomethane	6.570	93	578950	83.469	ug/L	98
51) 1,2-Dichloropropane	6.669	63	909760	84.454	ug/L	98
53) 2-Chloroethyl vinyl ether	7.368	63	452089	89.939	ug/L	99
54) Bromodichloromethane	6.747	83	1277304	83.908	ug/L	100
57) 1,4-Dioxane	6.959	88	93137	845.179	ug/L	99
58) cis-1,3-Dichloropropene	7.438	75	1516341	85.067	ug/L	100
61) Toluene	7.692	92	2319244	83.325	ug/L	98
62) 4-Methyl-2-pentanone	8.130	58	290770	85.613	ug/L	97
63) Tetrachloroethene	8.144	166	1079649	83.865	ug/L	98
65) trans-1,3-Dichloropropene	8.186	75	1360500	84.724	ug/L	99
67) Ethyl methacrylate	8.370	69	1119354	86.080	ug/L	97
68) 1,1,2-Trichloroethane	8.370	83	680672	82.446	ug/L	100
69) Chlorodibromomethane	8.581	129	1113523	84.403	ug/L	100
70) 1,3-Dichloropropane	8.694	76	1347754	83.825	ug/L	99
71) 1,2-Dibromoethane	8.857	107	878705	83.765	ug/L	98
72) 2-Hexanone	9.139	43	478856	84.952	ug/L	98
73) Chlorobenzene	9.506	112	2747203	83.322	ug/L	99
74) Ethylbenzene	9.541	91	4452458	83.552	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.590	131	1064495	83.968	ug/L	99
76) p/m Xylene	9.724	106	3546292	167.108	ug/L	95
77) o Xylene	10.268	106	3548086	166.745	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N12.D
 Acq On : 20 Jun 2025 5:08 am
 Operator : GONZO:PID
 Sample : I8260STD80PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 20 07:07:44 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.338	104	6144644	168.295	ug/L	98
80)	Bromoform	10.374	173	816382	85.160	ug/L	100
82)	Isopropylbenzene	10.656	105	4399656	84.733	ug/L	99
84)	Bromobenzene	11.095	156	1315959	82.802	ug/L	100
85)	n-Propylbenzene	11.137	91	5058058	85.186	ug/L	99
86)	1,4-Dichlorobutane	11.165	55	1385822	81.649	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.236	83	1078184	80.267	ug/L	99
88)	4-Ethyltoluene	11.264	105	4334403	84.596	ug/L	99
89)	2-Chlorotoluene	11.307	91	3112746M1	83.412	ug/L	
90)	1,3,5-Trimethylbenzene	11.363	105	3774553	84.544	ug/L	100
91)	1,2,3-Trichloropropane	11.377	75	854574	83.712	ug/L	100
92)	trans-1,4-Dichloro-2-b...	11.427	53	313545	83.667	ug/L	97
93)	4-Chlorotoluene	11.491	91	3310100	84.335	ug/L	99
94)	tert-Butylbenzene	11.703	119	3118195	84.107	ug/L	99
97)	1,2,4-Trimethylbenzene	11.788	105	3715490	83.381	ug/L	100
98)	sec-Butylbenzene	11.894	105	4285802	84.764	ug/L	100
99)	p-Isopropyltoluene	12.049	119	3852139	84.706	ug/L	99
100)	1,3-Dichlorobenzene	12.120	146	2390775	82.879	ug/L	99
101)	1,4-Dichlorobenzene	12.219	146	2438818	82.338	ug/L	100
102)	p-Diethylbenzene	12.424	119	2278254	84.700	ug/L	99
103)	n-Butylbenzene	12.481	91	3006206	85.991	ug/L	99
104)	1,2-Dichlorobenzene	12.637	146	2304091	83.636	ug/L	100
105)	1,2,4,5-Tetramethylben...	13.224	119	3408101	83.692	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.422	155	213883	87.356	ug/L	97
107)	1,3,5-Trichlorobenzene	13.450	180	1510366	83.264	ug/L	98
108)	Hexachlorobutadiene	14.023	225	486896	84.564	ug/L	100
109)	1,2,4-Trichlorobenzene	14.044	180	1295145	83.044	ug/L	99
110)	Naphthalene	14.341	128	2707057	83.362	ug/L	100
111)	1,2,3-Trichlorobenzene	14.511	180	1012486	84.417	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

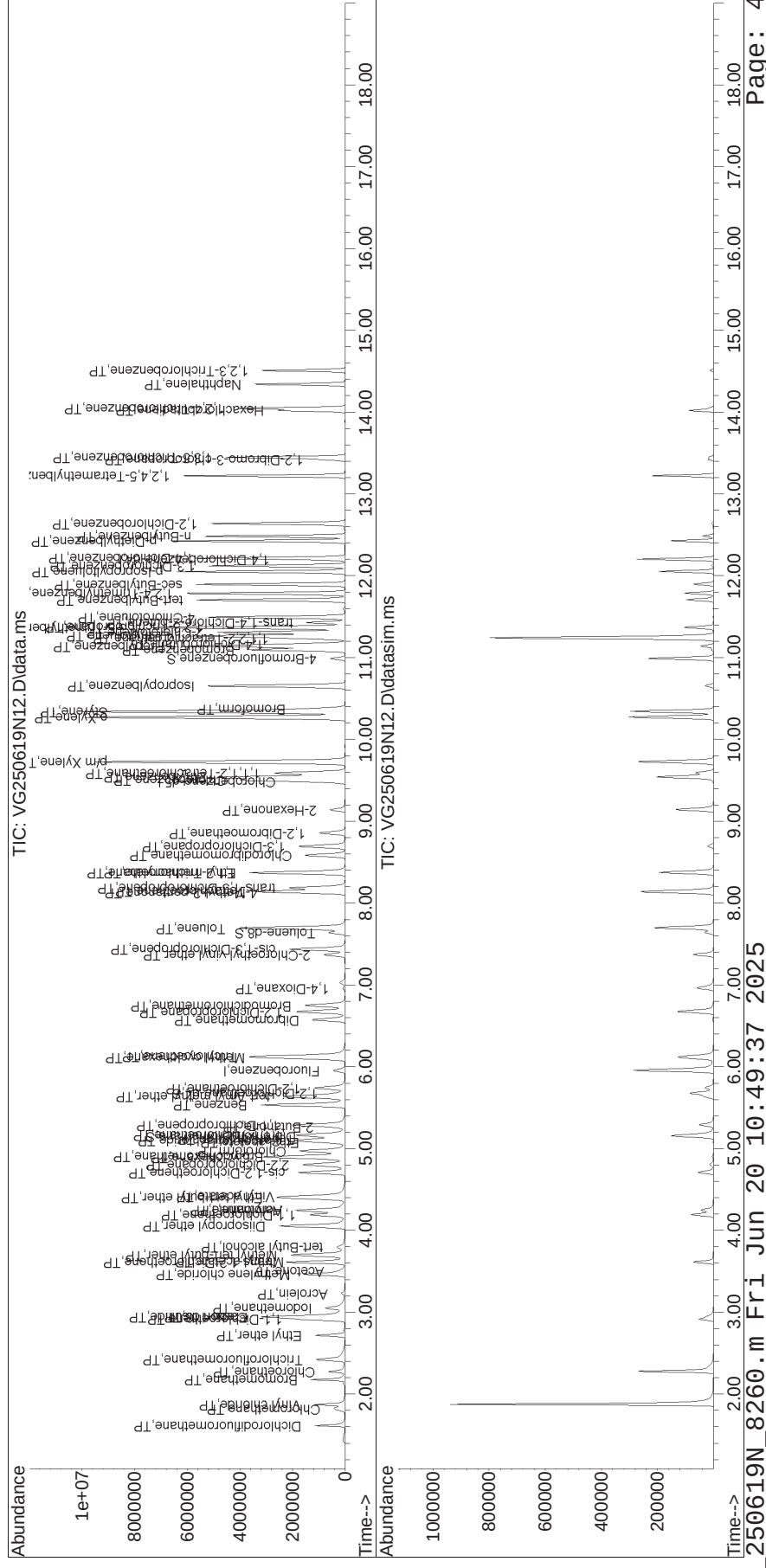
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Data Path      : K:\Gonzo\2025\250619\NICAL\
Data File     : VG250619N12.D
Acq On        : 20 Jun 2025   5:08 am
Operator      : GONZO:PID
Sample        : I8260STD80PPB
Misc          : WG2081469, ICAL (Sig #1); W
ALS Vial      : 12   Sample Multiplier: 1

```

Quant Time: Jun 20 07:07:44 2025
Quant Method : K:\Gonzo\2025\250619NIC
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

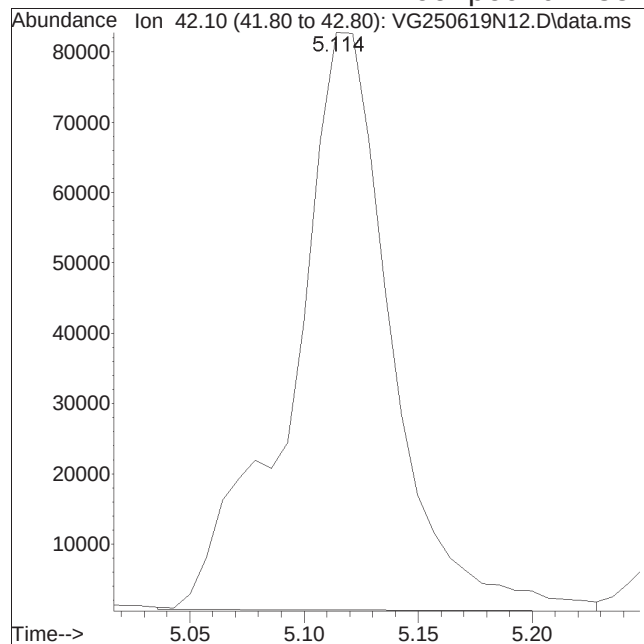
SOALL\$E(S) : 8260KCN60aze\0005n25061



Manual Integration Report

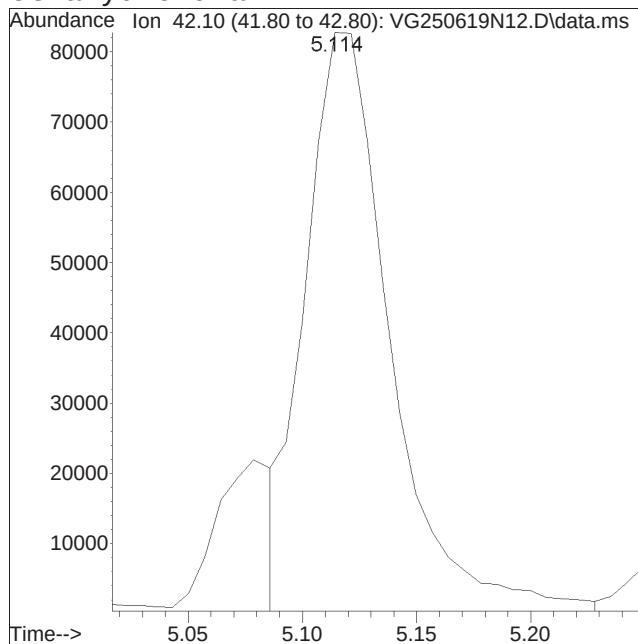
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N12.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 5:08 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 247942

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

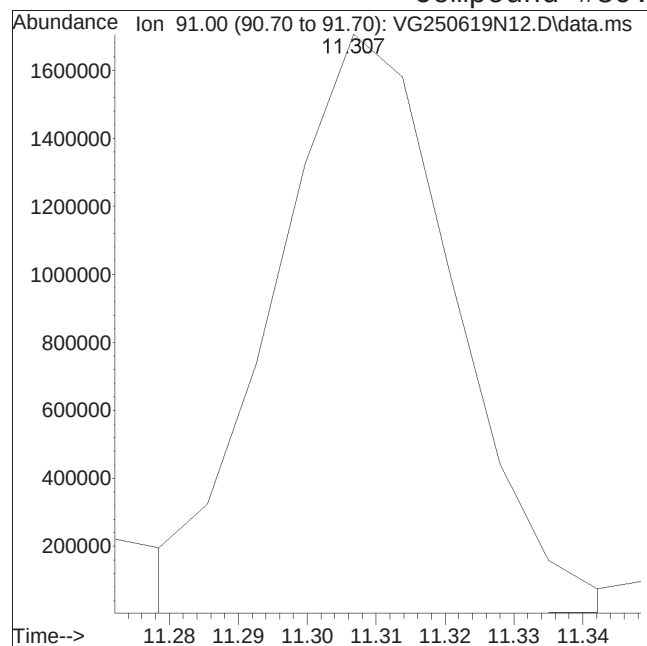


Manual Peak Response = 213005 M6

Manual Integration Report

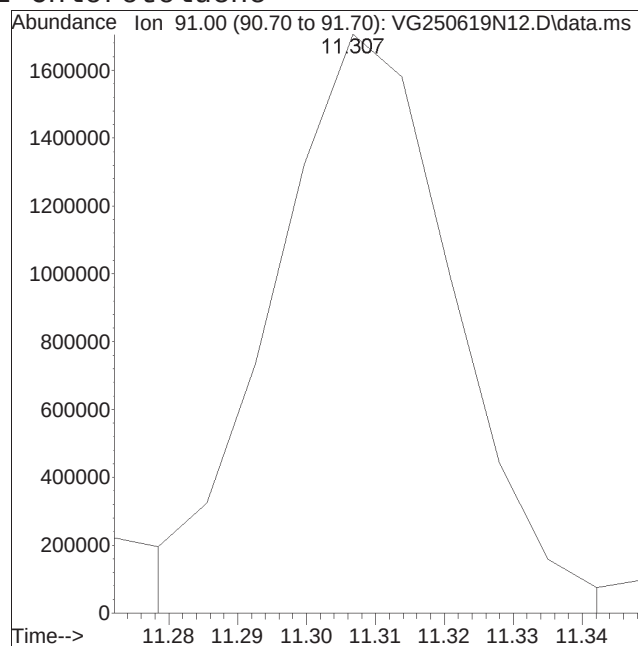
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N12.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 5:08 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 3096653

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 3112746 M1

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N13.D
 Acq On : 20 Jun 2025 5:34 am
 Operator : GONZO:PID
 Sample : I8260STD120PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 20 07:07:51 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.957	96	549158	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery = 99.47%			
59) Chlorobenzene-d5	9.484	117	445369	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery = 101.14%			
79) 1,4-Dichlorobenzene-d4	12.198	152	260338	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery = 102.07%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	145105	10.180	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.80%			
43) 1,2-Dichloroethane-d4	5.674	65	142867	9.789	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.89%			
60) Toluene-d8	7.636	98	553531	10.006	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.06%			
83) 4-Bromofluorobenzene	10.988	95	214446	9.987	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.87%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	1499727	124.623	ug/L	99
3) Chloromethane	1.827	50	1381905	122.945	ug/L	98
4) Vinyl chloride	1.870	62	1560294	126.174	ug/L	100
5) Bromomethane	2.176	94	1118913	131.947	ug/L	99
6) Chloroethane	2.276	64	647561	88.948	ug/L	97
7) Trichlorofluoromethane	2.418	101	2192860	132.642	ug/L	99
8) Ethyl ether	2.717	74	752034	125.757	ug/L	98
10) 1,1-Dichloroethene	2.916	96	1280859	128.791	ug/L	100
11) Carbon disulfide	2.944	76	3819815	126.810	ug/L	99
12) Freon-113	2.944	101	1286298	129.447	ug/L	99
13) Iodomethane	3.051	142	1685615	143.637	ug/L	99
14) Acrolein	3.229	56	194644	123.891	ug/L	86
15) Methylene chloride	3.464	84	1369532	113.205	ug/L	100
17) Acetone	3.506	43	284906	121.193	ug/L	100
18) trans-1,2-Dichloroethene	3.613	96	1380503	128.098	ug/L	99
19) Methyl acetate	3.620	43	721182	130.162	ug/L	99
20) Methyl tert-butyl ether	3.698	73	3933317	125.314	ug/L	99
21) tert-Butyl alcohol	3.798	59	593338	633.286	ug/L	95
22) Diisopropyl ether	4.054	45	4068933	127.656	ug/L	99
23) 1,1-Dichloroethane	4.189	63	2402801	126.080	ug/L	98
24) Halothane	4.246	117	1136730	126.122	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N13.D
 Acq On : 20 Jun 2025 5:34 am
 Operator : GONZO:PID
 Sample : I8260STD120PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 20 07:07:51 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.239	53	386462	127.948	ug/L	99
26) Ethyl tert-butyl ether	4.403	59	4159985	126.930	ug/L	97
27) Vinyl acetate	4.417	43	2588264	127.367	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	1553590	123.840	ug/L	94
29) 2,2-Dichloropropane	4.801	77	2034943	127.617	ug/L	99
30) Bromochloromethane	4.908	128	683706	116.417	ug/L	97
31) Cyclohexane	4.894	56	2088112	125.687	ug/L	99
32) Chloroform	4.972	83	2405854	122.683	ug/L	97
33) Ethyl acetate	5.071	43	1103646	132.552	ug/L	97
34) Carbon tetrachloride	5.100	117	1992308	127.209	ug/L	98
35) Tetrahydrofuran	5.121	42	314790M6	117.724	ug/L	
37) 1,1,1-Trichloroethane	5.164	97	2175954	126.795	ug/L	98
39) 2-Butanone	5.256	43	472099	132.671	ug/L	87
40) 1,1-Dichloropropene	5.285	75	1716104	125.891	ug/L	99
41) Benzene	5.533	78	5397186	126.018	ug/L	100
42) tert-Amyl methyl ether	5.639	73	3952472	126.473	ug/L	99
44) 1,2-Dichloroethane	5.738	62	1716426	122.257	ug/L	98
47) Methyl cyclohexane	6.112	83	1974066	128.600	ug/L	100
48) Trichloroethene	6.126	95	1465964	124.934	ug/L	99
50) Dibromomethane	6.570	93	874470	123.386	ug/L	98
51) 1,2-Dichloropropane	6.669	63	1374403	124.866	ug/L	98
53) 2-Chloroethyl vinyl ether	7.368	63	692684	134.863	ug/L	100
54) Bromodichloromethane	6.747	83	1947225	125.188	ug/L	100
57) 1,4-Dioxane	6.958	88	141470	1256.394	ug/L	99
58) cis-1,3-Dichloropropene	7.438	75	2298225	126.181	ug/L	100
61) Toluene	7.699	92	3530278	123.793	ug/L	98
62) 4-Methyl-2-pentanone	8.130	58	440118	126.479	ug/L	98
63) Tetrachloroethene	8.144	166	1653613	125.369	ug/L	97
65) trans-1,3-Dichloropropene	8.186	75	2063119	125.399	ug/L	99
67) Ethyl methacrylate	8.370	69	1697649	127.422	ug/L	97
68) 1,1,2-Trichloroethane	8.377	83	1031613	121.957	ug/L	99
69) Chlorodibromomethane	8.581	129	1691052	125.105	ug/L	100
70) 1,3-Dichloropropane	8.694	76	2044300	124.099	ug/L	100
71) 1,2-Dibromoethane	8.856	107	1316256	122.468	ug/L	99
72) 2-Hexanone	9.139	43	719950	124.662	ug/L	97
73) Chlorobenzene	9.506	112	4156594	123.045	ug/L	99
74) Ethylbenzene	9.541	91	6816377	124.844	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.590	131	1624418	125.063	ug/L	98
76) p/m Xylene	9.724	106	5434185	249.929	ug/L	95
77) o Xylene	10.275	106	5363595	246.023	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N13.D
 Acq On : 20 Jun 2025 5:34 am
 Operator : GONZO:PID
 Sample : I8260STD120PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 20 07:07:51 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.338	104	9640008	257.699	ug/L	97
80)	Bromoform	10.373	173	1244039	127.126	ug/L	100
82)	Isopropylbenzene	10.656	105	6790882	128.119	ug/L	100
84)	Bromobenzene	11.094	156	2011230	123.970	ug/L	99
85)	n-Propylbenzene	11.137	91	7740026	127.698	ug/L	100
86)	1,4-Dichlorobutane	11.165	55	2123993	122.590	ug/L	99
87)	1,1,2,2-Tetrachloroethane	11.243	83	1643864	119.885	ug/L	100
88)	4-Ethyltoluene	11.264	105	6656133	127.263	ug/L	99
89)	2-Chlorotoluene	11.307	91	4768594M6	125.179	ug/L	
90)	1,3,5-Trimethylbenzene	11.363	105	5751935	126.209	ug/L	100
91)	1,2,3-Trichloropropane	11.377	75	1295102	124.279	ug/L	99
92)	trans-1,4-Dichloro-2-b...	11.427	53	470464	122.981	ug/L	99
93)	4-Chlorotoluene	11.498	91	5054809	126.162	ug/L	99
94)	tert-Butylbenzene	11.703	119	4749966	125.510	ug/L	99
97)	1,2,4-Trimethylbenzene	11.788	105	5722438	125.803	ug/L	100
98)	sec-Butylbenzene	11.894	105	6594976	127.776	ug/L	100
99)	p-Isopropyltoluene	12.049	119	5971337	128.630	ug/L	100
100)	1,3-Dichlorobenzene	12.120	146	3673772	124.760	ug/L	99
101)	1,4-Dichlorobenzene	12.219	146	3723408	123.145	ug/L	100
102)	p-Diethylbenzene	12.424	119	3515178	128.022	ug/L	98
103)	n-Butylbenzene	12.481	91	4648311	130.253	ug/L	99
104)	1,2-Dichlorobenzene	12.636	146	3493560	124.227	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.224	119	5253943	126.391	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.422	155	323954	129.616	ug/L	96
107)	1,3,5-Trichlorobenzene	13.450	180	2297117	124.055	ug/L	99
108)	Hexachlorobutadiene	14.023	225	742167	126.273	ug/L	100
109)	1,2,4-Trichlorobenzene	14.051	180	1945831	122.223	ug/L	99
110)	Naphthalene	14.341	128	4110624	124.004	ug/L	100
111)	1,2,3-Trichlorobenzene	14.511	180	1509081	123.257	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

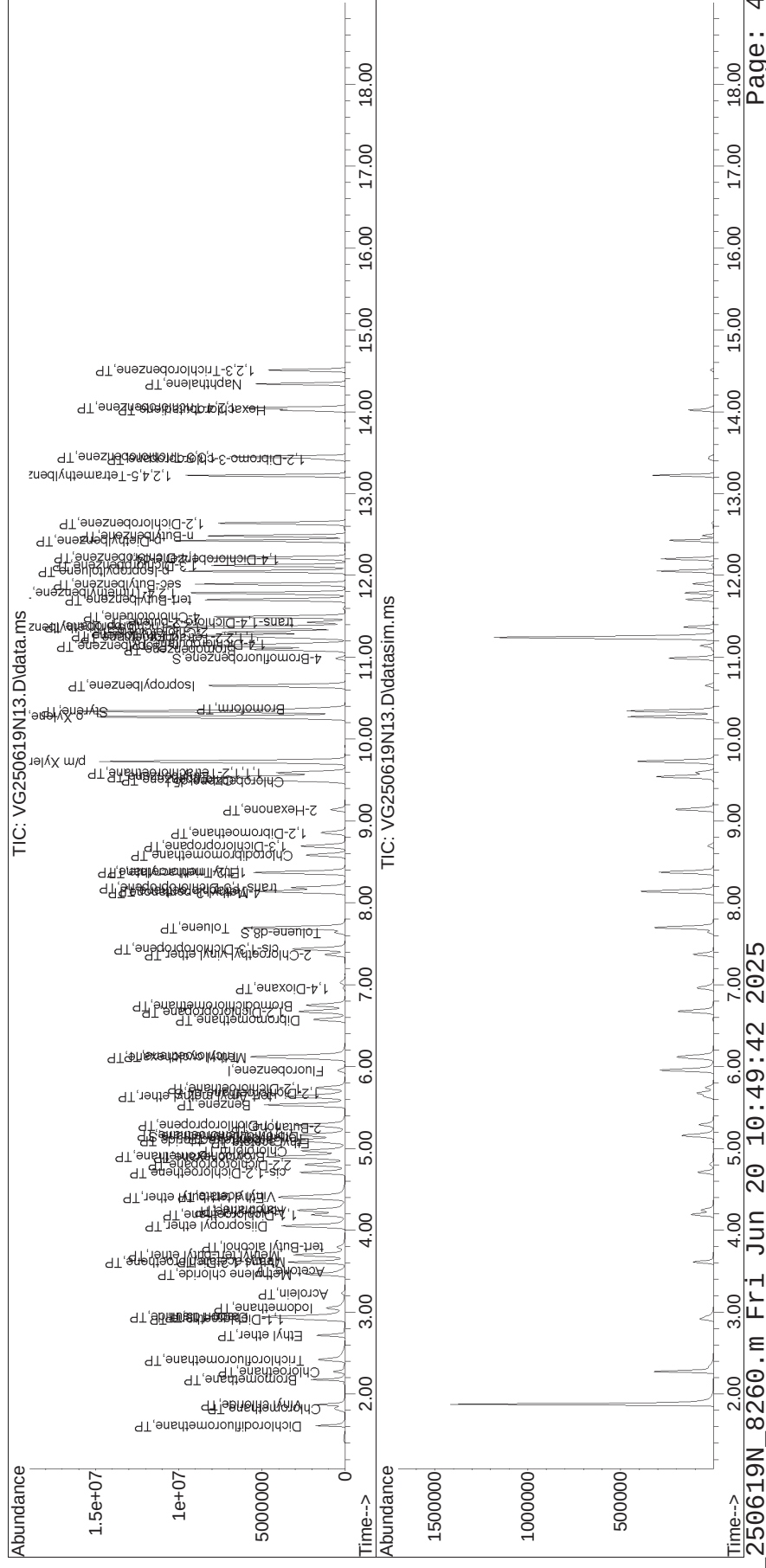
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Data Path      : K:\Gonzo\2025\250619\NICAL\
Data File     : VG250619N13.D
Acq On        : 20 Jun 2025   5:34 am
Operator      : GONZO:PID
Sample        : I8260STD120PPB
Misc          : WG2081469, ICAL (Sig #1); W
ALS Vial      : 13   Sample Multiplier: 1

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Quant Time: Jun 20 07:07:51 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

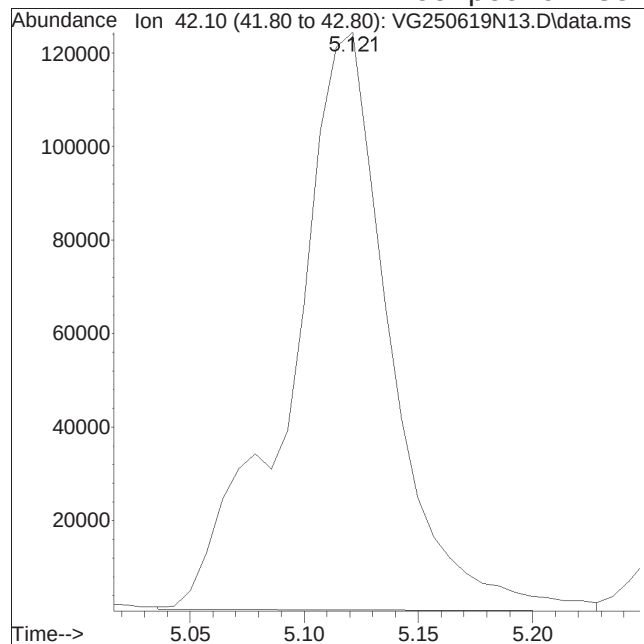
SOALL\$E(S) : 8260KC\Gvze\0005\250619NIDAbXVG250619N10.D.



Manual Integration Report

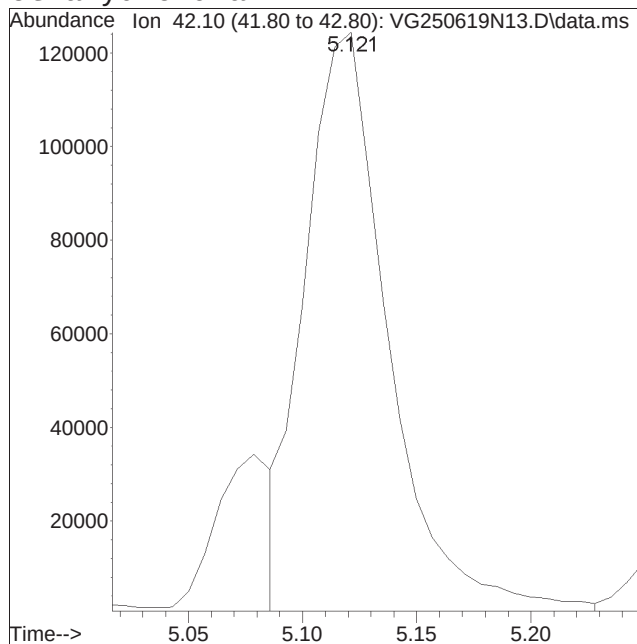
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Data File : VG250619N13.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 5:34 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 371747

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

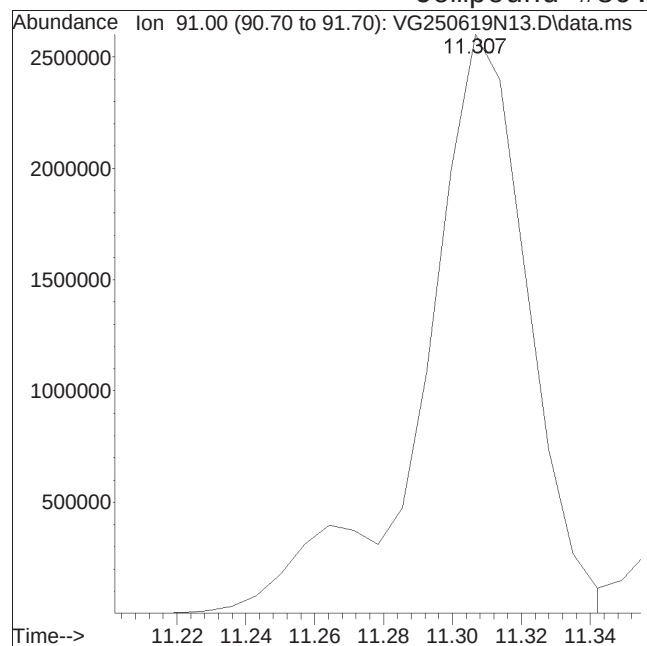


Manual Peak Response = 314790 M6

Manual Integration Report

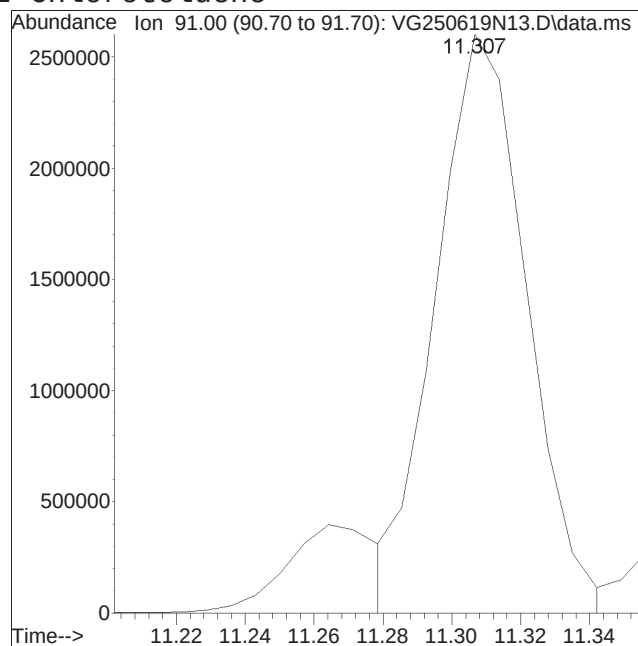
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N13.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 5:34 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 5471193

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 4768594 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N14.D
 Acq On : 20 Jun 2025 6:01 am
 Operator : GONZO:PID
 Sample : I8260STD200PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 20 07:07:58 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	577464	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery	=	104.60%	
59) Chlorobenzene-d5	9.485	117	459638	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery	=	104.38%	
79) 1,4-Dichlorobenzene-d4	12.205	152	276525	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery	=	108.42%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	150686	10.053	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.53%	
43) 1,2-Dichloroethane-d4	5.674	65	157245	10.247	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	102.47%	
60) Toluene-d8	7.636	98	573502	10.045	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.45%	
83) 4-Bromofluorobenzene	10.989	95	224309	9.835	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	98.35%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	2440048	192.822	ug/L	99
3) Chloromethane	1.827	50	2320906	196.365	ug/L	98
4) Vinyl chloride	1.870	62	2640141	203.031	ug/L	99
5) Bromomethane	2.176	94	1943686	217.973	ug/L	98
6) Chloroethane	2.269	64	757487M1	98.947	ug/L	
7) Trichlorofluoromethane	2.418	101	3677172	211.523	ug/L	99
8) Ethyl ether	2.717	74	1246437	198.215	ug/L	98
10) 1,1-Dichloroethene	2.916	96	2128316	203.513	ug/L	98
11) Carbon disulfide	2.944	76	6387961	201.671	ug/L	99
12) Freon-113	2.944	101	2136456	204.464	ug/L	99
13) Iodomethane	3.051	142	2797839	226.727	ug/L	100
14) Acrolein	3.229	56	330572	200.095	ug/L	87
15) Methylene chloride	3.464	84	2268518	178.324	ug/L	100
17) Acetone	3.506	43	479107	193.812	ug/L	100
18) trans-1,2-Dichloroethene	3.613	96	2287645	201.867	ug/L	98
19) Methyl acetate	3.620	43	1182643	202.985	ug/L	98
20) Methyl tert-butyl ether	3.699	73	6530980	197.876	ug/L	99
21) tert-Butyl alcohol	3.798	59	977475	992.147	ug/L	96
22) Diisopropyl ether	4.054	45	6761663	201.738	ug/L	99
23) 1,1-Dichloroethane	4.189	63	3849238	192.077	ug/L	98
24) Halothane	4.246	117	1879715	198.334	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N14.D
 Acq On : 20 Jun 2025 6:01 am
 Operator : GONZO:PID
 Sample : I8260STD200PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 20 07:07:58 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.239	53	660427	207.933	ug/L	98
26) Ethyl tert-butyl ether	4.403	59	6945112	201.523	ug/L	97
27) Vinyl acetate	4.417	43	4331048	202.682	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	2602326	197.269	ug/L	95
29) 2,2-Dichloropropane	4.801	77	3345427	199.517	ug/L	99
30) Bromochloromethane	4.908	128	1140457	184.670	ug/L	97
31) Cyclohexane	4.894	56	3455622	197.804	ug/L	99
32) Chloroform	4.972	83	3951003	191.600	ug/L	95
33) Ethyl acetate	5.072	43	1827489	208.729	ug/L	97
34) Carbon tetrachloride	5.100	117	3284013	199.406	ug/L	98
35) Tetrahydrofuran	5.114	42	515124M6	183.202	ug/L	
37) 1,1,1-Trichloroethane	5.164	97	3607588	199.914	ug/L	99
39) 2-Butanone	5.257	43	788136	210.628	ug/L	85
40) 1,1-Dichloropropene	5.285	75	2861920	199.655	ug/L	100
41) Benzene	5.533	78	8999509	199.828	ug/L	100
42) tert-Amyl methyl ether	5.632	73	6582705	200.312	ug/L	99
44) 1,2-Dichloroethane	5.738	62	2891284	195.845	ug/L	98
47) Methyl cyclohexane	6.112	83	3282944	203.383	ug/L	100
48) Trichloroethene	6.126	95	2448072	198.406	ug/L	100
50) Dibromomethane	6.571	93	1457265	195.538	ug/L	98
51) 1,2-Dichloropropane	6.669	63	2285978	197.503	ug/L	98
53) 2-Chloroethyl vinyl ether	7.368	63	1184423	219.299	ug/L	99
54) Bromodichloromethane	6.747	83	3233345	197.684	ug/L	99
57) 1,4-Dioxane	6.959	88	235107	1985.634	ug/L	98
58) cis-1,3-Dichloropropene	7.438	75	3813141	199.093	ug/L	99
61) Toluene	7.699	92	5858785	199.066	ug/L	99
62) 4-Methyl-2-pentanone	8.130	58	729358	203.092	ug/L	98
63) Tetrachloroethene	8.144	166	2727006	200.330	ug/L	97
65) trans-1,3-Dichloropropene	8.186	75	3462978	203.950	ug/L	99
67) Ethyl methacrylate	8.370	69	2828204	205.689	ug/L	97
68) 1,1,2-Trichloroethane	8.370	83	1726456	197.765	ug/L	99
69) Chlorodibromomethane	8.581	129	2844638	203.914	ug/L	100
70) 1,3-Dichloropropane	8.694	76	3403711	200.208	ug/L	99
71) 1,2-Dibromoethane	8.857	107	2197905	198.150	ug/L	99
72) 2-Hexanone	9.139	43	1204663	202.116	ug/L	99
73) Chlorobenzene	9.506	112	6923323	198.585	ug/L	99
74) Ethylbenzene	9.541	91	11427843	202.807	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.590	131	2718927	202.830	ug/L	99
76) p/m Xylene	9.732	106	9286957	413.865	ug/L	97
77) o Xylene	10.275	106	9439647	419.545	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N14.D
 Acq On : 20 Jun 2025 6:01 am
 Operator : GONZO:PID
 Sample : I8260STD200PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 20 07:07:58 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:06:34 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.345	104	16701780	432.615	ug/L	95
80)	Bromoform	10.374	173	2118978	203.860	ug/L	100
82)	Isopropylbenzene	10.656	105	11356919	201.722	ug/L	100
84)	Bromobenzene	11.095	156	3332733	193.402	ug/L	99
85)	n-Propylbenzene	11.137	91	13007561	202.042	ug/L	100
86)	1,4-Dichlorobutane	11.165	55	3558254	193.350	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.243	83	2744560	188.441	ug/L	100
88)	4-Ethyltoluene	11.264	105	11121790	200.197	ug/L	100
89)	2-Chlorotoluene	11.314	91	8022194M6	198.262	ug/L	
90)	1,3,5-Trimethylbenzene	11.370	105	10129930	209.260	ug/L	100
91)	1,2,3-Trichloropropane	11.378	75	2257909	203.988	ug/L	99
92)	trans-1,4-Dichloro-2-b...	11.427	53	789930	194.404	ug/L	100
93)	4-Chlorotoluene	11.498	91	8522814	200.268	ug/L	98
94)	tert-Butylbenzene	11.703	119	8083257	201.084	ug/L	98
97)	1,2,4-Trimethylbenzene	11.788	105	9961037	206.166	ug/L	99
98)	sec-Butylbenzene	11.894	105	11245780	205.130	ug/L	100
99)	p-Isopropyltoluene	12.050	119	10439229	211.711	ug/L	99
100)	1,3-Dichlorobenzene	12.120	146	6215792	198.730	ug/L	99
101)	1,4-Dichlorobenzene	12.219	146	6304571	196.307	ug/L	99
102)	p-Diethylbenzene	12.424	119	6212086	212.999	ug/L	99
103)	n-Butylbenzene	12.481	91	8061520	212.673	ug/L	99
104)	1,2-Dichlorobenzene	12.644	146	5943283	198.966	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.224	119	9354768	211.869	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.422	155	541133	203.837	ug/L	96
107)	1,3,5-Trichlorobenzene	13.450	180	3714077	188.837	ug/L	98
108)	Hexachlorobutadiene	14.023	225	1206581	193.272	ug/L	100
109)	1,2,4-Trichlorobenzene	14.044	180	3088572	182.645	ug/L	98
110)	Naphthalene	14.341	128	6605433	187.600	ug/L	100
111)	1,2,3-Trichlorobenzene	14.511	180	2305282	177.266	ug/L	98

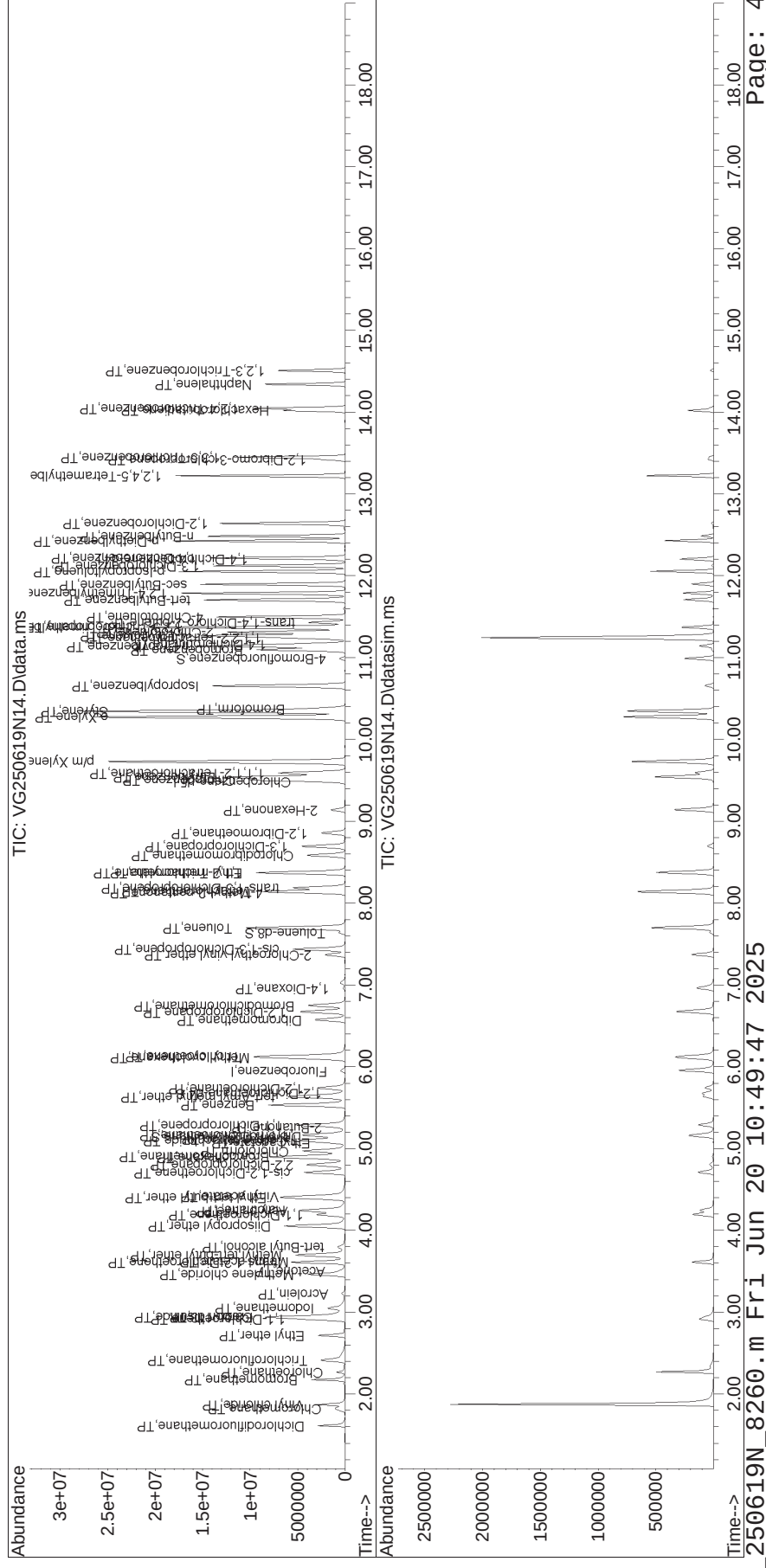
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

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Data Path      : K:\Gonzo\2025\250619NICAL\
Data File     : VG250619N14.D
Acq On        : 20 Jun 2025   6:01 am
Operator      : GONZO:PID
Sample        : I8260STD200PPB
Misc          : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial      : 14 Sample Multiplier: 1
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Quant Time: Jun 20 07:07:58 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:06:34 2025
Response via : Initial Calibration

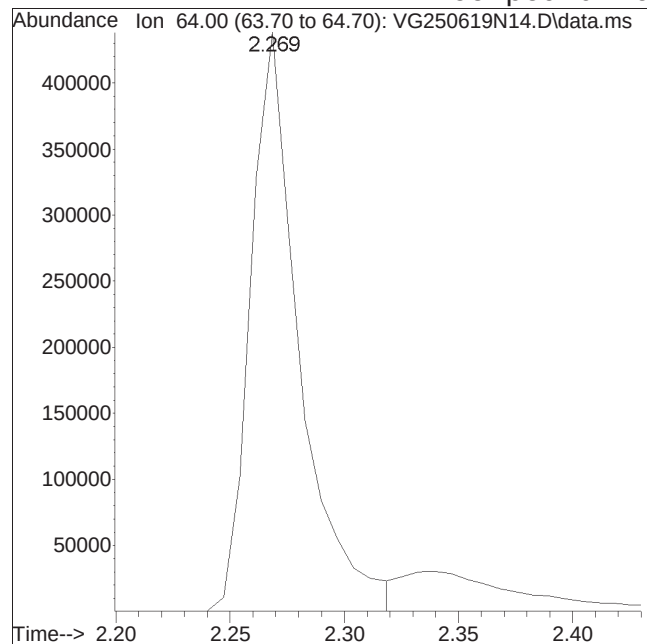
SOALL\$E(S) : 8260KC\Gvze\0005\250619NIDAbxVG250619N10.D.



Manual Integration Report

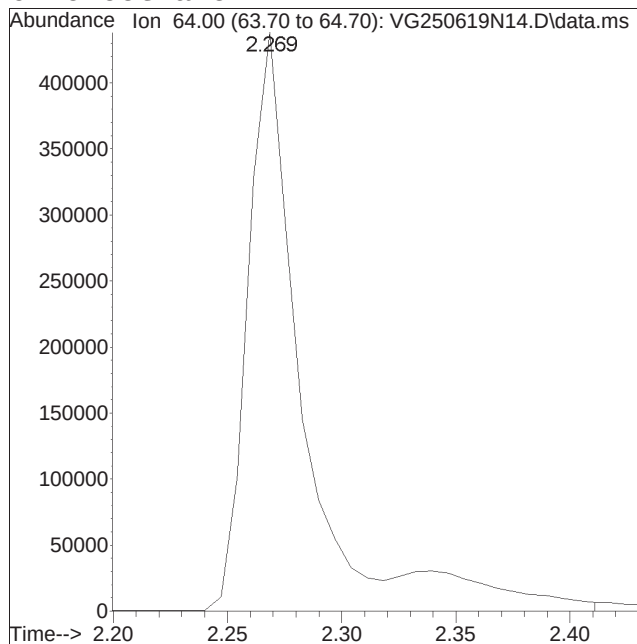
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Data File : VG250619N14.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 6:01 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 6/20/2025 7:07 am

Compound #6: Chloroethane



Original Peak Response = 652478

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

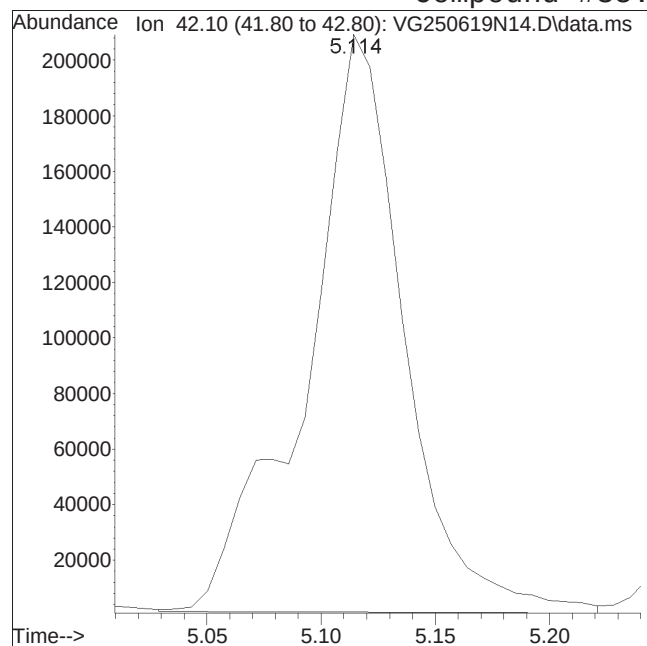


Manual Peak Response = 757487 M1

Manual Integration Report

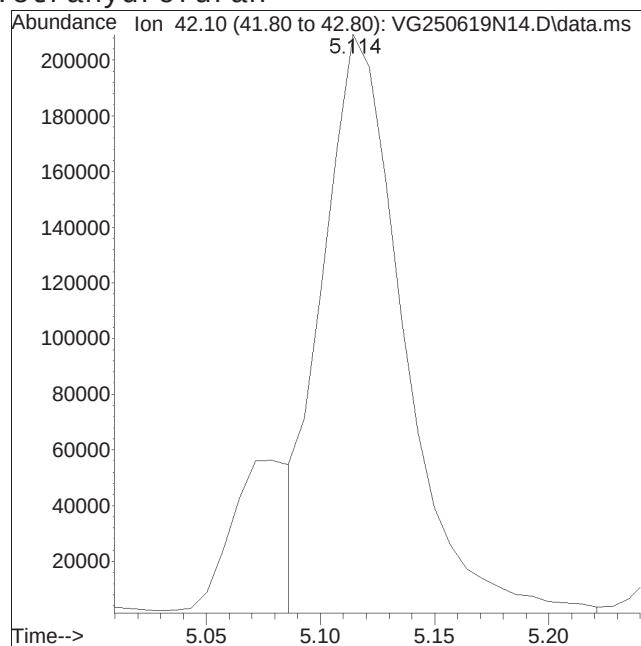
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N14.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 6:01 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 6/20/2025 7:07 am

Compound #35: Tetrahydrofuran



Original Peak Response = 617485

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

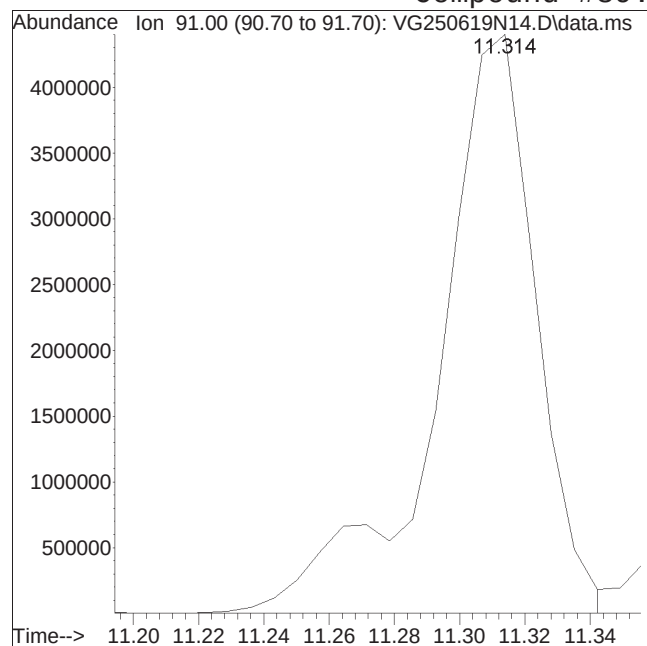


Manual Peak Response = 515124 M6

Manual Integration Report

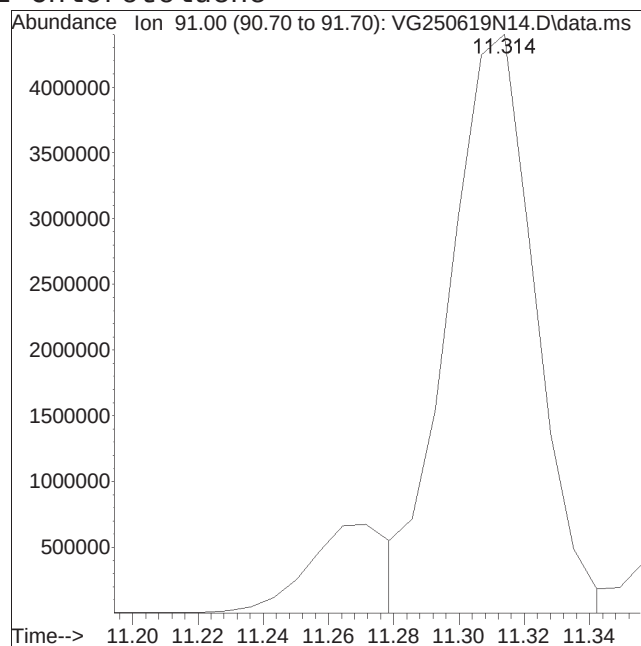
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N14.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 6:01 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 6/20/2025 7:07 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 9188370

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 8022194 M6

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N19.D
 Acq On : 20 Jun 2025 8:14 am
 Operator : GONZO:PID
 Sample : C8260STD10PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2 TP	Dichlorodifluoromethane	0.219	0.244	-11.4	106	0.00
3 TP	Chloromethane	0.205	0.229	-11.7	111	0.00
4 TP	Vinyl chloride	0.225	0.240	-6.7	100	0.00
5 TP	Bromomethane	0.154	0.146	5.2	104	0.00
6 TP	Chloroethane	0.153	0.154	-0.7	97	0.00
7 TP	Trichlorofluoromethane	0.301	0.293	2.7	92	0.00
8 TP	Ethyl ether	0.109	0.095	12.8	86	0.00
10 TP	1,1-Dichloroethene	0.181	0.174	3.9	94	0.00
11 TP	Carbon disulfide	0.549	0.434	20.9#	77	0.00
12 TP	Freon-113	0.181	0.186	-2.8	98	0.00
13 TP	Iodomethane	* 10.000	5.663	43.4#	64	0.00
14 TP	Acrolein	0.029	0.023	20.7#	74	0.00
15 TP	Methylene chloride	0.220	0.201	8.6	96	0.00
17 TP	Acetone	0.043	0.036	16.3	91	0.00
18 TP	trans-1,2-Dichloroethene	0.196	0.203	-3.6	99	0.00
19 TP	Methyl acetate	0.101	0.092	8.9	93	0.00
20 TP	Methyl tert-butyl ether	0.572	0.478	16.4	81	0.00
21 TP	tert-Butyl alcohol	0.017	0.014	17.6	79	0.00
22 TP	Diisopropyl ether	0.580	0.518	10.7	86	0.00
23 TP	1,1-Dichloroethane	0.347	0.346	0.3	94	0.00
24 TP	Halothane	0.164	0.164	0.0	96	0.00
25 TP	Acrylonitrile	0.055	0.050	9.1	91	0.00
26 TP	Ethyl tert-butyl ether	0.597	0.524	12.2	85	0.00
27 TP	Vinyl acetate	0.370	0.320	13.5	89	0.00
28 TP	cis-1,2-Dichloroethene	0.228	0.218	4.4	92	0.00
29 TP	2,2-Dichloropropane	0.290	0.269	7.2	90	0.00
30 TP	Bromochloromethane	0.107	0.104	2.8	92	0.00
31 TP	Cyclohexane	0.303	0.278	8.3	91	0.00
32 TP	Chloroform	0.357	0.338	5.3	93	0.00
33 TP	Ethyl acetate	0.152	0.139	8.6	88	0.00
34 TP	Carbon tetrachloride	0.285	0.276	3.2	90	0.00
35 TP	Tetrahydrofuran	0.049	0.040	18.4	86	0.00
36 S	Dibromofluoromethane	0.260	0.254	2.3	95	0.00
37 TP	1,1,1-Trichloroethane	0.312	0.312	0.0	97	0.00
39 TP	2-Butanone	0.065	0.049	24.6#	85	0.00
40 TP	1,1-Dichloropropene	0.248	0.256	-3.2	100	0.00
41 TP	Benzene	0.780	0.775	0.6	94	0.00
42 TP	tert-Amyl methyl ether	0.569	0.494	13.2	85	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N19.D
 Acq On : 20 Jun 2025 8:14 am
 Operator : GONZO:PID
 Sample : C8260STD10PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.266	0.271	-1.9	96	0.00
44 TP	1,2-Dichloroethane	0.256	0.243	5.1	95	0.00
47 TP	Methyl cyclohexane	0.280	0.266	5.0	92	0.00
48 TP	Trichloroethene	0.214	0.210	1.9	94	0.00
50 TP	Dibromomethane	0.129	0.119	7.8	90	0.00
51 TP	1,2-Dichloropropane	0.200	0.196#	2.0	93	0.00
53 TP	2-Chloroethyl vinyl ether	0.094	0.079	16.0	84	0.00
54 TP	Bromodichloromethane	0.283	0.261#	7.8	89	0.00
57 TP	1,4-Dioxane	0.00205	0.00186#	9.3	90	0.00
58 TP	cis-1,3-Dichloropropene	0.332	0.314	5.4	92	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
60 S	Toluene-d8	1.242	1.236	0.5	97	0.00
61 TP	Toluene	0.640	0.618	3.4	94	0.00
62 TP	4-Methyl-2-pentanone	0.078	0.062	20.5#	79	0.00
63 TP	Tetrachloroethene	0.296	0.294	0.7	93	0.00
65 TP	trans-1,3-Dichloropropene	0.369	0.343	7.0	91	0.00
67 TP	Ethyl methacrylate	0.299	0.262	12.4	88	0.00
68 TP	1,1,2-Trichloroethane	0.190	0.174#	8.4	92	0.00
69 TP	Chlorodibromomethane	0.304	0.285	6.3	94	0.00
70 TP	1,3-Dichloropropane	0.370	0.347	6.2	91	0.00
71 TP	1,2-Dibromoethane	0.241	0.224	7.1	90	0.00
72 TP	2-Hexanone	0.130	0.104	20.0#	78	0.00
73 TP	Chlorobenzene	0.758	0.738	2.6	95	0.00
74 TP	Ethylbenzene	1.226	1.183	3.5	94	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.292	0.272	6.8	92	0.00
76 TP	p/m Xylene	0.488	0.479	1.8	94	0.00
77 TP	o Xylene	0.490	0.462	5.7	92	0.00
78 TP	Styrene	0.840	0.785	6.5	92	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80 TP	Bromoform	0.376	0.341	9.3	91	0.00
82 TP	Isopropylbenzene	2.036	1.991	2.2	93	0.00
83 S	4-Bromofluorobenzene	0.825	0.823	0.2	96	0.00
84 TP	Bromobenzene	0.623	0.619	0.6	94	0.00
85 TP	n-Propylbenzene	2.328	2.296	1.4	94	0.00
86 TP	1,4-Dichlorobutane	0.666	0.596	10.5	89	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.527	0.460	12.7	88	0.00
88 TP	4-Ethyltoluene	2.009	2.000	0.4	95	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N19.D
 Acq On : 20 Jun 2025 8:14 am
 Operator : GONZO:PID
 Sample : C8260STD10PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.463	1.400	4.3	92	0.00
90 TP	1,3,5-Trimethylbenzene	1.751	1.692	3.4	93	0.00
91 TP	1,2,3-Trichloropropane	0.400	0.369	7.8	90	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.147	0.122	17.0	89	0.00
93 TP	4-Chlorotoluene	1.539	1.499	2.6	93	0.00
94 TP	tert-Butylbenzene	1.454	1.418	2.5	93	0.00
97 TP	1,2,4-Trimethylbenzene	1.747	1.773	-1.5	98	0.00
98 TP	sec-Butylbenzene	1.983	1.945	1.9	94	0.00
99 TP	p-Isopropyltoluene	1.783	1.769	0.8	95	0.00
100 TP	1,3-Dichlorobenzene	1.131	1.089	3.7	93	0.00
101 TP	1,4-Dichlorobenzene	1.161	1.136	2.2	94	0.00
102 TP	p-Diethylbenzene	1.055	0.980	7.1	90	0.00
103 TP	n-Butylbenzene	1.371	1.374	-0.2	97	0.00
104 TP	1,2-Dichlorobenzene	1.080	1.057	2.1	93	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.597	1.534	3.9	92	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.096	0.084	12.5	84	0.00
107 TP	1,3,5-Trichlorobenzene	0.711	0.680	4.4	89	0.00
108 TP	Hexachlorobutadiene	0.226	0.220	2.7	93	0.00
109 TP	1,2,4-Trichlorobenzene	0.612	0.575	6.0	88	0.00
110 TP	Naphthalene	1.273	1.103	13.4	83	0.00
111 TP	1,2,3-Trichlorobenzene	0.470	0.410	12.8	81	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N19.D
 Acq On : 20 Jun 2025 8:14 am
 Operator : GONZO:PID
 Sample : C8260STD10PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.949	96	535552	10.000	ug/L	0.00
Standard Area 1 = 552092			Recovery	=	97.00%	
59) Chlorobenzene-d5	9.484	117	430737	10.000	ug/L	0.00
Standard Area 1 = 440365			Recovery	=	97.81%	
79) 1,4-Dichlorobenzene-d4	12.198	152	246212	10.000	ug/L	0.00
Standard Area 1 = 255053			Recovery	=	96.53%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	136111	9.791	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.91%	
43) 1,2-Dichloroethane-d4	5.674	65	144928	10.183	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.83%	
60) Toluene-d8	7.636	98	532538	9.953	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.53%	
83) 4-Bromofluorobenzene	10.981	95	202526	9.973	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.73%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	130752	11.141	ug/L	99
3) Chloromethane	1.813	50	122523	11.178	ug/L	98
4) Vinyl chloride	1.870	62	128302	10.639	ug/L	100
5) Bromomethane	2.176	94	78279	9.466	ug/L	98
6) Chloroethane	2.276	64	82680	10.102	ug/L	100
7) Trichlorofluoromethane	2.418	101	156980	9.737	ug/L	92
8) Ethyl ether	2.717	74	50631	8.682	ug/L	94
10) 1,1-Dichloroethene	2.909	96	93448	9.635	ug/L	98
11) Carbon disulfide	2.944	76	232485	7.914	ug/L	99
12) Freon-113	2.944	101	99564	10.274	ug/L	# 73
13) Iodomethane	3.051	142	60294	5.663	ug/L	99
14) Acrolein	3.236	56	12252M3	7.996	ug/L	
15) Methylene chloride	3.464	84	107722	9.131	ug/L	96
17) Acetone	3.513	43	19515	8.512	ug/L	97
18) trans-1,2-Dichloroethene	3.613	96	108500	10.324	ug/L	97
19) Methyl acetate	3.620	43	49334	9.130	ug/L	99
20) Methyl tert-butyl ether	3.698	73	256019	8.364	ug/L	99
21) tert-Butyl alcohol	3.798	59	36733	40.202	ug/L	99
22) Diisopropyl ether	4.054	45	277416	8.925	ug/L	100
23) 1,1-Dichloroethane	4.189	63	185235	9.967	ug/L	99
24) Halothane	4.246	117	88056	10.018	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N19.D
 Acq On : 20 Jun 2025 8:14 am
 Operator : GONZO:PID
 Sample : C8260STD10PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.246	53	27006	9.168	ug/L	95
26) Ethyl tert-butyl ether	4.403	59	280772	8.785	ug/L	97
27) Vinyl acetate	4.424	43	171441	8.651	ug/L	100
28) cis-1,2-Dichloroethene	4.709	96	116724	9.541	ug/L	98
29) 2,2-Dichloropropane	4.801	77	144191	9.272	ug/L	98
30) Bromochloromethane	4.901	128	55517	9.693	ug/L	96
31) Cyclohexane	4.894	56	149125	9.204	ug/L	96
32) Chloroform	4.972	83	181239	9.477	ug/L	97
33) Ethyl acetate	5.079	43	74368	9.159	ug/L	97
34) Carbon tetrachloride	5.100	117	147562	9.661	ug/L	96
35) Tetrahydrofuran	5.121	42	21389M6	8.202	ug/L	
37) 1,1,1-Trichloroethane	5.164	97	167006	9.979	ug/L	97
39) 2-Butanone	5.271	43	26092	7.519	ug/L	96
40) 1,1-Dichloropropene	5.285	75	136900	10.298	ug/L	99
41) Benzene	5.533	78	414881	9.933	ug/L	99
42) tert-Amyl methyl ether	5.639	73	264674	8.684	ug/L	98
44) 1,2-Dichloroethane	5.738	62	130379	9.523	ug/L	99
47) Methyl cyclohexane	6.112	83	142704	9.533	ug/L	99
48) Trichloroethene	6.126	95	112520	9.833	ug/L	97
50) Dibromomethane	6.570	93	63886	9.243	ug/L	99
51) 1,2-Dichloropropane	6.676	63	105221	9.802	ug/L	98
53) 2-Chloroethyl vinyl ether	7.368	63	42147	8.414	ug/L	96
54) Bromodichloromethane	6.754	83	139774	9.214	ug/L	99
57) 1,4-Dioxane	6.958	88	49888	454.311	ug/L	98
58) cis-1,3-Dichloropropene	7.438	75	168259	9.473	ug/L	99
61) Toluene	7.692	92	266181	9.651	ug/L	100
62) 4-Methyl-2-pentanone	8.130	58	26899	7.993	ug/L	98
63) Tetrachloroethene	8.137	166	126775	9.938	ug/L	99
65) trans-1,3-Dichloropropene	8.186	75	147792	9.288	ug/L	99
67) Ethyl methacrylate	8.370	69	113043	8.773	ug/L	98
68) 1,1,2-Trichloroethane	8.370	83	74799	9.143	ug/L	99
69) Chlorodibromomethane	8.581	129	122547	9.374	ug/L	98
70) 1,3-Dichloropropane	8.694	76	149263	9.369	ug/L	98
71) 1,2-Dibromoethane	8.856	107	96339	9.268	ug/L	98
72) 2-Hexanone	9.146	43	44692	8.001	ug/L	99
73) Chlorobenzene	9.506	112	317838	9.728	ug/L	99
74) Ethylbenzene	9.534	91	509496	9.649	ug/L	98
75) 1,1,1,2-Tetrachloroethane	9.583	131	116980	9.312	ug/L	99
76) p/m Xylene	9.724	106	412392	19.611	ug/L	100
77) o Xylene	10.268	106	397728	18.863	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
 Data File : VG250619N19.D
 Acq On : 20 Jun 2025 8:14 am
 Operator : GONZO:PID
 Sample : C8260STD10PPB
 Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
 Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250619NICAL\VG250619N10.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.338	104	675929	18.683	ug/L	99
80)	Bromoform	10.366	173	83947	9.071	ug/L	98
82)	Isopropylbenzene	10.649	105	490157	9.778	ug/L	99
84)	Bromobenzene	11.094	156	152509	9.940	ug/L	100
85)	n-Propylbenzene	11.137	91	565202	9.860	ug/L	98
86)	1,4-Dichlorobutane	11.158	55	146723	8.954	ug/L	100
87)	1,1,2,2-Tetrachloroethane	11.236	83	113148	8.725	ug/L	100
88)	4-Ethyltoluene	11.264	105	492443	9.956	ug/L	99
89)	2-Chlorotoluene	11.307	91	344604M1	9.565	ug/L	
90)	1,3,5-Trimethylbenzene	11.363	105	416648	9.667	ug/L	99
91)	1,2,3-Trichloropropane	11.370	75	90890	9.222	ug/L	100
92)	trans-1,4-Dichloro-2-b...	11.427	53	29962	8.282	ug/L	96
93)	4-Chlorotoluene	11.491	91	369128	9.742	ug/L	99
94)	tert-Butylbenzene	11.703	119	349216	9.757	ug/L	100
97)	1,2,4-Trimethylbenzene	11.781	105	436641	10.150	ug/L	99
98)	sec-Butylbenzene	11.894	105	478909	9.811	ug/L	99
99)	p-Isopropyltoluene	12.049	119	435577	9.921	ug/L	99
100)	1,3-Dichlorobenzene	12.120	146	268153	9.629	ug/L	98
101)	1,4-Dichlorobenzene	12.212	146	279740	9.783	ug/L	99
102)	p-Diethylbenzene	12.424	119	241305	9.292	ug/L	99
103)	n-Butylbenzene	12.481	91	338344	10.025	ug/L	99
104)	1,2-Dichlorobenzene	12.636	146	260178	9.782	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.216	119	377801	9.610	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.422	155	20618	8.723	ug/L	98
107)	1,3,5-Trichlorobenzene	13.450	180	167480	9.564	ug/L	97
108)	Hexachlorobutadiene	14.016	225	54188	9.749	ug/L	98
109)	1,2,4-Trichlorobenzene	14.044	180	141570	9.403	ug/L	99
110)	Naphthalene	14.341	128	271452	8.659	ug/L	100
111)	1,2,3-Trichlorobenzene	14.504	180	101021	8.724	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

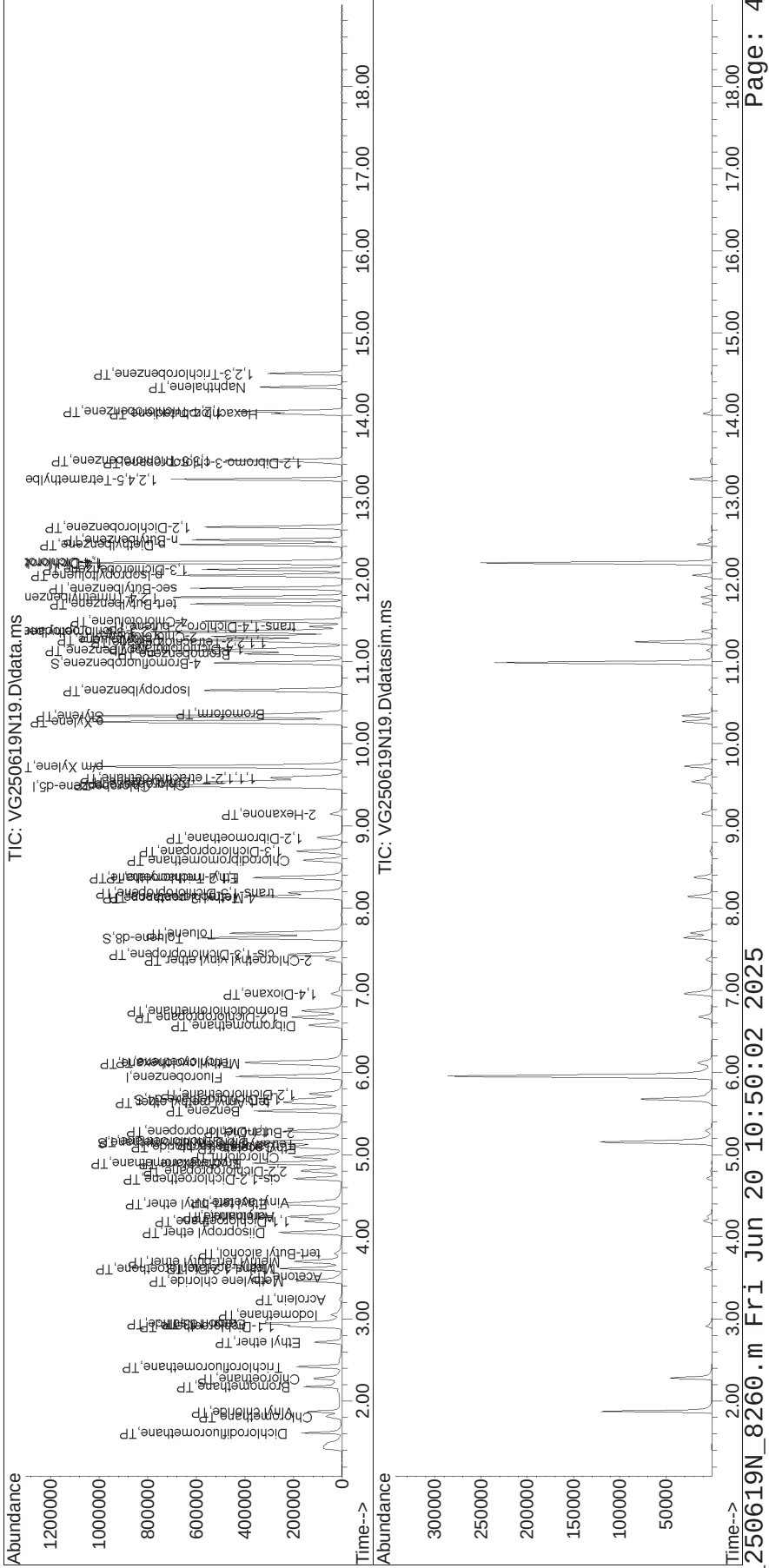
Quantitation Report

(QT Reviewed)

Data Path : K:\Gonzo\2025\250619NICAL\
Data File : VG250619N19.D
Acq On : 20 Jun 2025 8:14 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG2081469,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 20 10:24:41 2025
Quant Method : K:\Gonzo\2025\250619NICAL\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

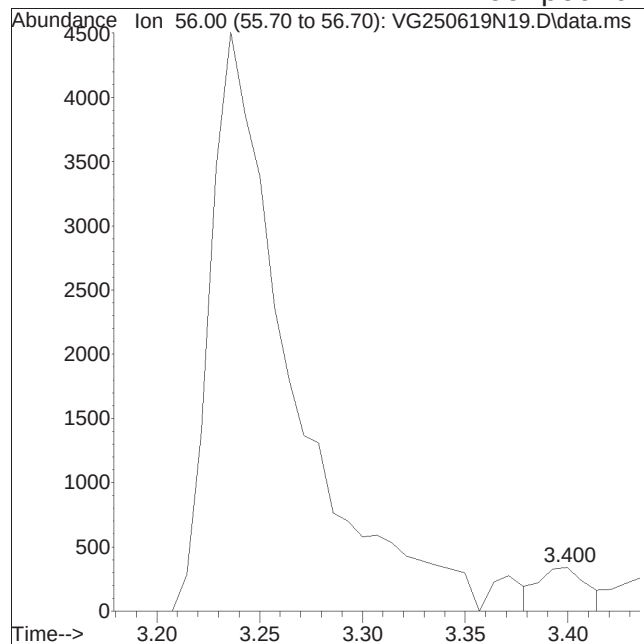
SAMPLE(S) : 250619N19.D
DATA(S) : 250619N19.D



Manual Integration Report

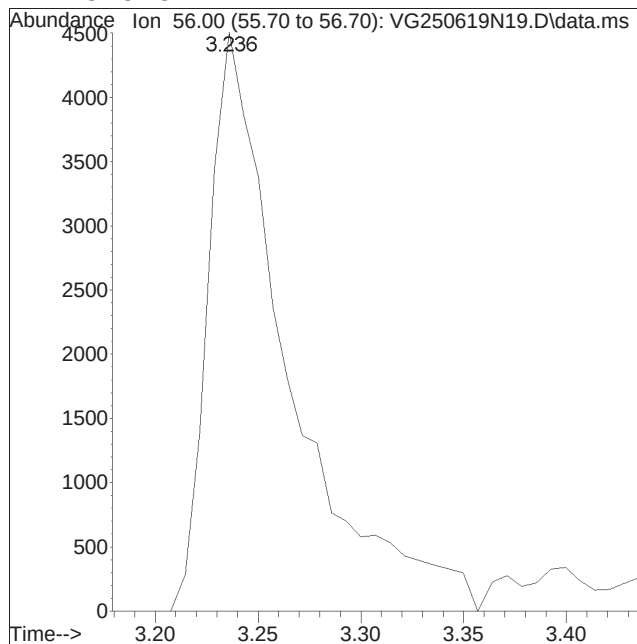
Data Path : K:\Gonzo\2025\250619NICAL\QMethod : G_250619N_8260.m
Data File : VG250619N19.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 8:14 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 6/20/2025 10:22 am

Compound #14: Acrolein



Original Peak Response = 549

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

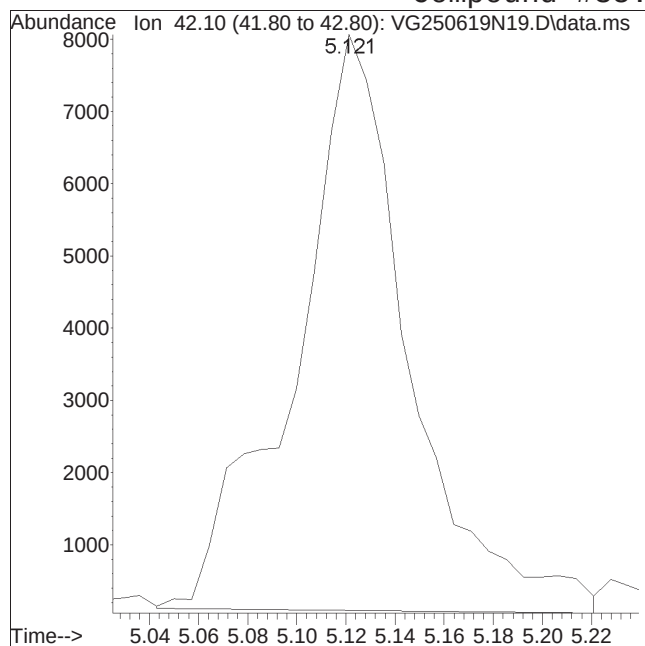


Manual Peak Response = 12252 M3

Manual Integration Report

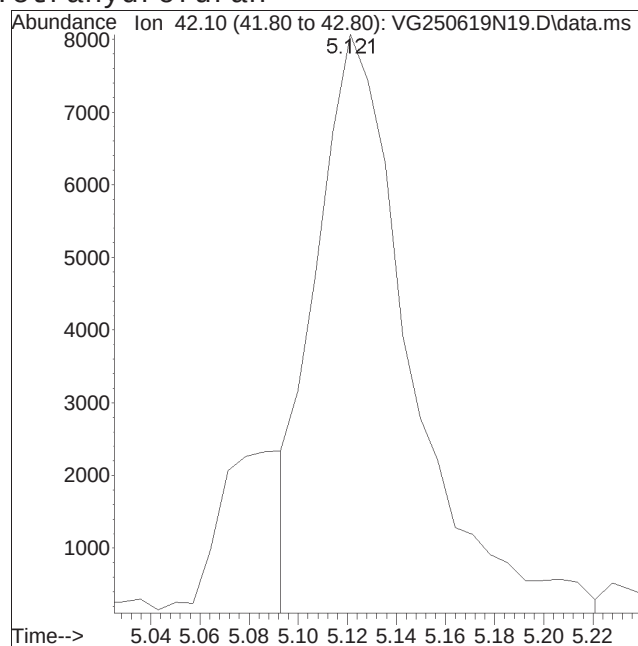
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Data File : VG250619N19.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 8:14 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 6/20/2025 10:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 25732

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

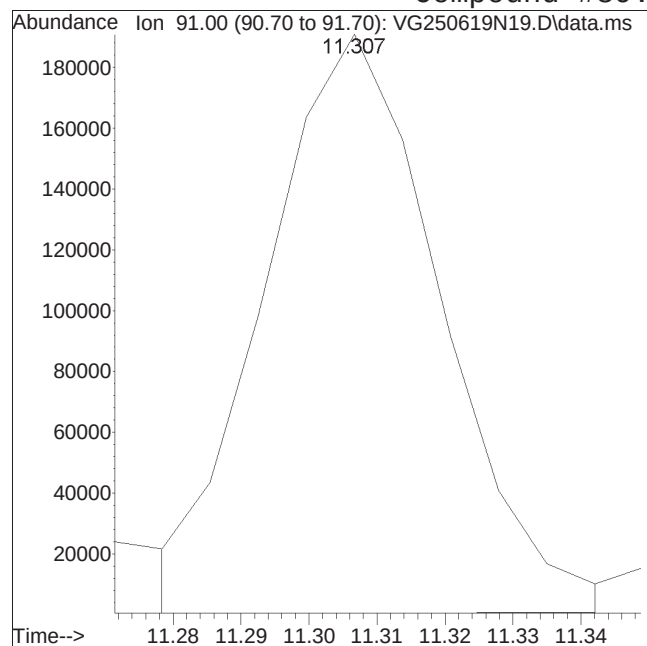


Manual Peak Response = 21389 M6

Manual Integration Report

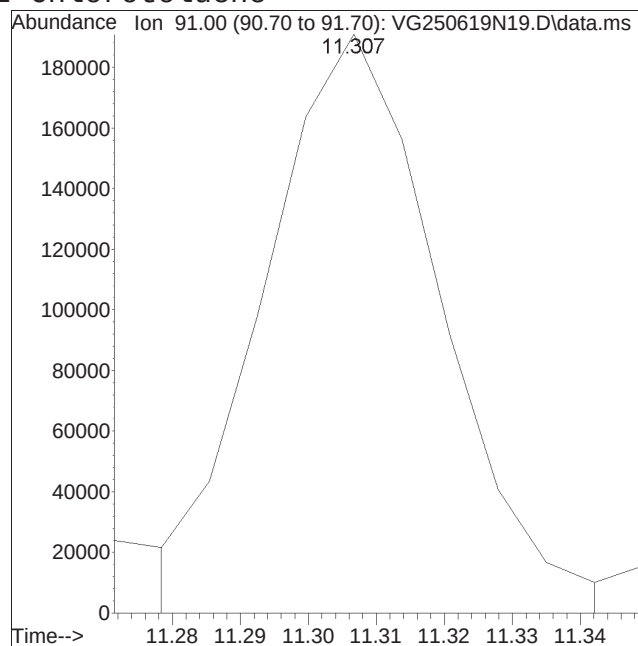
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Data File : VG250619N19.D Operator : GONZO:PID
Date Inj'd : 6/20/2025 8:14 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 6/20/2025 10:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 342360

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 344604 M1

Method Path : K:\Gonzo\2025\250619NICAL\
Method File : G_250619N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 20 07:10:41 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
13 TP	Iodomethane	L	ug/L	10.0	8.024	-19.8	2.00	2.373	18.7

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
13 TP	Iodomethane	Linear	0.997429	0.000000	0.249978	-0.0289687

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : GONZO
 Lab File ID : VG250911A01
 Sample No : WG2113862-2
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/11/25 07:20
 Init. Calib. Date(s) : 06/20/25 06/20/25
 Init. Calib. Times : 01:35 06:01

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	91	0
Dichlorodifluoromethane	0.219	0.207	-	5.5	20	85	0
Chloromethane	0.205	0.203	-	1	20	93	0
Vinyl chloride	0.225	0.218	-	3.1	20	85	0
Bromomethane	0.154	0.061	-	60.4*	20	41	0
Chloroethane	0.153	0.184	-	-20.3*	20	109	0
Trichlorofluoromethane	0.301	0.287	-	4.7	20	85	0
Ethyl ether	0.109	0.102	-	6.4	20	88	0
1,1-Dichloroethene	0.181	0.17	-	6.1	20	86	0
Carbon disulfide	0.549	0.565	-	-2.9	20	94	0
Freon-113	0.181	0.187	-	-3.3	20	93	0
Iodomethane	10	3.74	-	62.6*	20	34	0
Acrolein	0.029	0.028	-	3.4	20	84	0
Methylene chloride	0.22	0.209	-	5	20	93	0
Acetone	0.043	0.045	-	-4.7	20	105	0
trans-1,2-Dichloroethene	0.196	0.194	-	1	20	89	0
Methyl acetate	0.101	0.104	-	-3	20	98	0
Methyl tert-butyl ether	0.572	0.538	-	5.9	20	86	0
tert-Butyl alcohol	0.017	0.012	-	29.4*	20	66	0
Diisopropyl ether	0.58	0.7	-	-20.7*	20	109	0
1,1-Dichloroethane	0.347	0.388	-	-11.8	20	100	0
Halothane	0.164	0.156	-	4.9	20	86	0
Acrylonitrile	0.055	0.055	-	0	20	93	0
Ethyl tert-butyl ether	0.597	0.549	-	8	20	84	0
Vinyl acetate	0.37	0.404	-	-9.2	20	106	0
cis-1,2-Dichloroethene	0.228	0.22	-	3.5	20	87	0
2,2-Dichloropropane	0.29	0.295	-	-1.7	20	93	0
Bromochloromethane	0.107	0.107	-	0	20	89	0
Cyclohexane	0.303	0.319	-	-5.3	20	98	0
Chloroform	0.357	0.359	-	-0.6	20	92	0
Ethyl acetate	0.152	0.165	-	-8.6	20	98	0
Carbon tetrachloride	0.285	0.264	-	7.4	20	81	0
Tetrahydrofuran	0.049	0.053	-	-8.2	20	107	-.01
Dibromofluoromethane	0.26	0.264	-	-1.5	20	93	0
1,1,1-Trichloroethane	0.312	0.303	-	2.9	20	88	0
2-Butanone	0.065	0.07	-	-7.7	20	115	0
1,1-Dichloropropene	0.248	0.258	-	-4	20	95	0
Benzene	0.78	0.818	-	-4.9	20	94	0
tert-Amyl methyl ether	0.569	0.49	-	13.9	20	80	0
1,2-Dichloroethane-d4	0.266	0.292	-	-9.8	20	98	0
1,2-Dichloroethane	0.256	0.266	-	-3.9	20	97	0
Methyl cyclohexane	0.28	0.274	-	2.1	20	89	0
Trichloroethene	0.214	0.215	-	-0.5	20	91	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : GONZO
 Lab File ID : VG250911A01
 Sample No : WG2113862-2
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/11/25 07:20
 Init. Calib. Date(s) : 06/20/25 06/20/25
 Init. Calib. Times : 01:35 06:01

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.129	0.12	-	7	20	85	0
1,2-Dichloropropane	0.2	0.208	-	-4	20	93	0
Bromodichloromethane	0.283	0.278*	-	1.8	20	89	-.01
1,4-Dioxane	0.00205	0.00157*	-	23.4*	20	71	0
cis-1,3-Dichloropropene	0.332	0.317	-	4.5	20	87	0
Chlorobenzene-d5	1	1	-	0	20	89	0
Toluene-d8	1.242	1.291	-	-3.9	20	92	-.01
Toluene	0.64	0.66	-	-3.1	20	91	0
4-Methyl-2-pentanone	0.078	0.066	-	15.4	20	75	0
Tetrachloroethene	0.296	0.29	-	2	20	83	0
trans-1,3-Dichloropropene	0.369	0.345	-	6.5	20	82	-.01
Ethyl methacrylate	0.299	0.253	-	15.4	20	76	0
1,1,2-Trichloroethane	0.19	0.182*	-	4.2	20	88	0
Chlorodibromomethane	0.304	0.276	-	9.2	20	83	0
1,3-Dichloropropane	0.37	0.372	-	-0.5	20	88	0
1,2-Dibromoethane	0.241	0.217	-	10	20	79	0
2-Hexanone	0.13	0.116	-	10.8	20	79	0
Chlorobenzene	0.758	0.785	-	-3.6	20	91	0
Ethylbenzene	1.226	1.241	-	-1.2	20	89	0
1,1,1,2-Tetrachloroethane	0.292	0.274	-	6.2	20	84	0
p/m Xylene	0.488	0.489	-	-0.2	20	87	0
o Xylene	0.49	0.478	-	2.4	20	86	0
Styrene	0.84	0.804	-	4.3	20	85	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	88	0
Bromoform	0.376	0.306	-	18.6	20	74	0
Isopropylbenzene	2.036	2.037	-	-0	20	86	0
4-Bromofluorobenzene	0.825	0.793	-	3.9	20	84	0
Bromobenzene	0.623	0.596	-	4.3	20	82	0
n-Propylbenzene	2.328	2.36	-	-1.4	20	88	0
1,4-Dichlorobutane	0.666	0.658	-	1.2	20	90	0
1,1,2,2-Tetrachloroethane	0.527	0.466	-	11.6	20	81	0
4-Ethyltoluene	2.009	2.012	-	-0.1	20	87	0
2-Chlorotoluene	1.463	1.465	-	-0.1	20	88	0
1,3,5-Trimethylbenzene	1.751	1.725	-	1.5	20	86	0
1,2,3-Trichloropropane	0.4	0.377	-	5.8	20	84	0
trans-1,4-Dichloro-2-buten	0.147	0.1	-	32*	20	67	0
4-Chlorotoluene	1.539	1.539	-	0	20	87	0
tert-Butylbenzene	1.454	1.388	-	4.5	20	83	0
1,2,4-Trimethylbenzene	1.747	1.706	-	2.3	20	85	0
sec-Butylbenzene	1.983	1.933	-	2.5	20	85	0
p-Isopropyltoluene	1.783	1.694	-	5	20	82	0
1,3-Dichlorobenzene	1.131	1.111	-	1.8	20	86	0
1,4-Dichlorobenzene	1.161	1.152	-	0.8	20	87	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : GONZO
 Lab File ID : VG250911A01
 Sample No : WG2113862-2
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/11/25 07:20
 Init. Calib. Date(s) : 06/20/25 06/20/25
 Init. Calib. Times : 01:35 06:01

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.055	0.965	-	8.5	20	80	0
n-Butylbenzene	1.371	1.365	-	0.4	20	88	0
1,2-Dichlorobenzene	1.08	1.043	-	3.4	20	84	-.01
1,2,4,5-Tetramethylbenzene	1.597	1.315	-	17.7	20	72	-.01
1,2-Dibromo-3-chloropropan	0.096	0.067	-	30.2*	20	61	0
1,3,5-Trichlorobenzene	0.711	0.677	-	4.8	20	80	0
Hexachlorobutadiene	0.226	0.19	-	15.9	20	73	-.01
1,2,4-Trichlorobenzene	0.612	0.508	-	17	20	70	-.01
Naphthalene	1.273	0.784	-	38.4*	20	54	0
1,2,3-Trichlorobenzene	0.47	0.35*	-	25.5*	20	63	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A01.D
 Acq On : 11 Sep 2025 7:20 am
 Operator : GONZO:PID
 Sample : WG2113862-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:42:51 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	91	0.00
2 TP	Dichlorodifluoromethane	0.219	0.207	5.5	85	0.00
3 TP	Chloromethane	0.205	0.203	1.0	93	0.00
4 TP	Vinyl chloride	0.225	0.218	3.1	85	0.00
5 TP	Bromomethane	0.154	0.061	60.4#	41#	0.00
6 TP	Chloroethane	0.153	0.184	-20.3#	109	0.00
7 TP	Trichlorofluoromethane	0.301	0.287	4.7	85	0.00
8 TP	Ethyl ether	0.109	0.102	6.4	88	0.00
10 TP	1,1-Dichloroethene	0.181	0.170	6.1	86	0.00
11 TP	Carbon disulfide	0.549	0.565	-2.9	94	0.00
12 TP	Freon-113	0.181	0.187	-3.3	93	0.00
13 TP	Iodomethane	* 10.000	3.740	62.6#	34#	0.00
14 TP	Acrolein	0.029	0.028	3.4	84	0.00
15 TP	Methylene chloride	0.220	0.209	5.0	93	0.00
17 TP	Acetone	0.043	0.045	-4.7	105	0.00
18 TP	trans-1,2-Dichloroethene	0.196	0.194	1.0	89	0.00
19 TP	Methyl acetate	0.101	0.104	-3.0	98	0.00
20 TP	Methyl tert-butyl ether	0.572	0.538	5.9	86	0.00
21 TP	tert-Butyl alcohol	0.017	0.012	29.4#	66	0.00
22 TP	Diisopropyl ether	0.580	0.700	-20.7#	109	0.00
23 TP	1,1-Dichloroethane	0.347	0.388	-11.8	100	0.00
24 TP	Halothane	0.164	0.156	4.9	86	0.00
25 TP	Acrylonitrile	0.055	0.055	0.0	93	0.00
26 TP	Ethyl tert-butyl ether	0.597	0.549	8.0	84	0.00
27 TP	Vinyl acetate	0.370	0.404	-9.2	106	0.00
28 TP	cis-1,2-Dichloroethene	0.228	0.220	3.5	87	0.00
29 TP	2,2-Dichloropropane	0.290	0.295	-1.7	93	0.00
30 TP	Bromochloromethane	0.107	0.107	0.0	89	0.00
31 TP	Cyclohexane	0.303	0.319	-5.3	98	0.00
32 TP	Chloroform	0.357	0.359	-0.6	92	0.00
33 TP	Ethyl acetate	0.152	0.165	-8.6	98	0.00
34 TP	Carbon tetrachloride	0.285	0.264	7.4	81	0.00
35 TP	Tetrahydrofuran	0.049	0.053	-8.2	107	-0.01
36 S	Dibromofluoromethane	0.260	0.264	-1.5	93	0.00
37 TP	1,1,1-Trichloroethane	0.312	0.303	2.9	88	0.00
39 TP	2-Butanone	0.065	0.070	-7.7	115	0.00
40 TP	1,1-Dichloropropene	0.248	0.258	-4.0	95	0.00
41 TP	Benzene	0.780	0.818	-4.9	94	0.00
42 TP	tert-Amyl methyl ether	0.569	0.490	13.9	80	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A01.D
 Acq On : 11 Sep 2025 7:20 am
 Operator : GONZO:PID
 Sample : WG2113862-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113862, ICAL22400 (Sig #1); WG, ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:42:51 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.266	0.292	-9.8	98	0.00
44 TP	1,2-Dichloroethane	0.256	0.266	-3.9	97	0.00
47 TP	Methyl cyclohexane	0.280	0.274	2.1	89	0.00
48 TP	Trichloroethene	0.214	0.215	-0.5	91	0.00
50 TP	Dibromomethane	0.129	0.120	7.0	85	0.00
51 TP	1,2-Dichloropropane	0.200	0.208	-4.0	93	0.00
54 TP	Bromodichloromethane	0.283	0.278#	1.8	89	-0.01
57 TP	1,4-Dioxane	0.00205	0.00157#	23.4#	71	0.00
58 TP	cis-1,3-Dichloropropene	0.332	0.317	4.5	87	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
60 S	Toluene-d8	1.242	1.291	-3.9	92	-0.01
61 TP	Toluene	0.640	0.660	-3.1	91	0.00
62 TP	4-Methyl-2-pentanone	0.078	0.066	15.4	75	0.00
63 TP	Tetrachloroethene	0.296	0.290	2.0	83	0.00
65 TP	trans-1,3-Dichloropropene	0.369	0.345	6.5	82	-0.01
67 TP	Ethyl methacrylate	0.299	0.253	15.4	76	0.00
68 TP	1,1,2-Trichloroethane	0.190	0.182#	4.2	88	0.00
69 TP	Chlorodibromomethane	0.304	0.276	9.2	83	0.00
70 TP	1,3-Dichloropropane	0.370	0.372	-0.5	88	0.00
71 TP	1,2-Dibromoethane	0.241	0.217	10.0	79	0.00
72 TP	2-Hexanone	0.130	0.116	10.8	79	0.00
73 TP	Chlorobenzene	0.758	0.785	-3.6	91	0.00
74 TP	Ethylbenzene	1.226	1.241	-1.2	89	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.292	0.274	6.2	84	0.00
76 TP	p/m Xylene	0.488	0.489	-0.2	87	0.00
77 TP	o Xylene	0.490	0.478	2.4	86	0.00
78 TP	Styrene	0.840	0.804	4.3	85	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
80 TP	Bromoform	0.376	0.306	18.6	74	0.00
82 TP	Isopropylbenzene	2.036	2.037	-0.0	86	0.00
83 S	4-Bromofluorobenzene	0.825	0.793	3.9	84	0.00
84 TP	Bromobenzene	0.623	0.596	4.3	82	0.00
85 TP	n-Propylbenzene	2.328	2.360	-1.4	88	0.00
86 TP	1,4-Dichlorobutane	0.666	0.658	1.2	90	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.527	0.466	11.6	81	0.00
88 TP	4-Ethyltoluene	2.009	2.012	-0.1	87	0.00
89 TP	2-Chlorotoluene	1.463	1.465	-0.1	88	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A01.D
 Acq On : 11 Sep 2025 7:20 am
 Operator : GONZO:PID
 Sample : WG2113862-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113862, ICAL22400 (Sig #1); WG, ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:42:51 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 TP	1,3,5-Trimethylbenzene	1.751	1.725	1.5	86	0.00
91 TP	1,2,3-Trichloropropane	0.400	0.377	5.8	84	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.147	0.100	32.0#	67	0.00
93 TP	4-Chlorotoluene	1.539	1.539	0.0	87	0.00
94 TP	tert-Butylbenzene	1.454	1.388	4.5	83	0.00
97 TP	1,2,4-Trimethylbenzene	1.747	1.706	2.3	85	0.00
98 TP	sec-Butylbenzene	1.983	1.933	2.5	85	0.00
99 TP	p-Isopropyltoluene	1.783	1.694	5.0	82	0.00
100 TP	1,3-Dichlorobenzene	1.131	1.111	1.8	86	0.00
101 TP	1,4-Dichlorobenzene	1.161	1.152	0.8	87	-0.01
102 TP	p-Diethylbenzene	1.055	0.965	8.5	80	0.00
103 TP	n-Butylbenzene	1.371	1.365	0.4	88	0.00
104 TP	1,2-Dichlorobenzene	1.080	1.043	3.4	84	-0.01
105 TP	1,2,4,5-Tetramethylbenzene	1.597	1.315	17.7	72	-0.01
106 TP	1,2-Dibromo-3-chloropropane	0.096	0.067	30.2#	61	0.00
107 TP	1,3,5-Trichlorobenzene	0.711	0.677	4.8	80	0.00
108 TP	Hexachlorobutadiene	0.226	0.190	15.9	73	-0.01
109 TP	1,2,4-Trichlorobenzene	0.612	0.508	17.0	70	-0.01
110 TP	Naphthalene	1.273	0.784	38.4#	54	0.00
111 TP	1,2,3-Trichlorobenzene	0.470	0.350#	25.5#	63	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A01.D
 Acq On : 11 Sep 2025 7:20 am
 Operator : GONZO:PID
 Sample : WG2113862-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113862, ICAL22400 (Sig #1); WG, ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:42:51 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.949	96	503476	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.477	117	390080	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.191	152	223601	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.143	113	132940	10.172	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	101.72%	
43) 1,2-Dichloroethane-d4	5.667	65	147111	10.995	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	109.95%	
60) Toluene-d8	7.629	98	503619	10.394	ug/L	-0.01
Spiked Amount	10.000	Range 70 - 130	Recovery	=	103.94%	
83) 4-Bromofluorobenzene	10.981	95	177249	9.611	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	96.11%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	104371	9.460	ug/L	100
3) Chloromethane	1.820	50	102416	9.938	ug/L	98
4) Vinyl chloride	1.870	62	109723	9.678	ug/L	99
5) Bromomethane	2.169	94	30766	3.957	ug/L	100
6) Chloroethane	2.275	64	92394	12.008	ug/L	95
7) Trichlorofluoromethane	2.418	101	144651	9.544	ug/L	99
8) Ethyl ether	2.717	74	51495	9.392	ug/L #	87
10) 1,1-Dichloroethene	2.909	96	85652	9.394	ug/L	85
11) Carbon disulfide	2.944	76	284322	10.295	ug/L	99
12) Freon-113	2.944	101	93983	10.316	ug/L	98
13) Iodomethane	3.051	142	32480	3.740	ug/L	94
14) Acrolein	3.236	56	13979	9.705	ug/L #	81
15) Methylene chloride	3.464	84	105368	9.500	ug/L	89
17) Acetone	3.506	43	22450	10.416	ug/L #	88
18) trans-1,2-Dichloroethene	3.606	96	97576	9.876	ug/L	91
19) Methyl acetate	3.620	43	52212	10.278	ug/L	95
20) Methyl tert-butyl ether	3.698	73	270623	9.404	ug/L	94
21) tert-Butyl alcohol	3.798	59	30788	35.842	ug/L #	72
22) Diisopropyl ether	4.047	45	352334	12.057	ug/L	96
23) 1,1-Dichloroethane	4.189	63	195484	11.188	ug/L	100
24) Halothane	4.239	117	78488	9.499	ug/L	97
25) Acrylonitrile	4.246	53	27450	9.913	ug/L	97
26) Ethyl tert-butyl ether	4.396	59	276416	9.199	ug/L	89
27) Vinyl acetate	4.417	43	203459	10.921	ug/L #	94
28) cis-1,2-Dichloroethene	4.701	96	110616	9.617	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A01.D
 Acq On : 11 Sep 2025 7:20 am
 Operator : GONZO:PID
 Sample : WG2113862-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113862, ICAL22400 (Sig #1); WG, ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:42:51 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29)	2,2-Dichloropropane	4.801	77	148668	10.169	ug/L	88
30)	Bromochloromethane	4.901	128	53715	9.976	ug/L #	87
31)	Cyclohexane	4.886	56	160579	10.543	ug/L	96
32)	Chloroform	4.972	83	180973	10.066	ug/L	95
33)	Ethyl acetate	5.078	43	83048	10.879	ug/L	96
34)	Carbon tetrachloride	5.093	117	133050	9.266	ug/L #	94
35)	Tetrahydrofuran	5.114	42	26692M6	10.888	ug/L	
37)	1,1,1-Trichloroethane	5.164	97	152539	9.695	ug/L	97
39)	2-Butanone	5.263	43	35414	10.855	ug/L #	79
40)	1,1-Dichloropropene	5.285	75	129915	10.395	ug/L	97
41)	Benzene	5.526	78	411983	10.492	ug/L	98
42)	tert-Amyl methyl ether	5.632	73	246640	8.608	ug/L	93
44)	1,2-Dichloroethane	5.738	62	133843	10.398	ug/L	99
47)	Methyl cyclohexane	6.105	83	137799	9.791	ug/L	96
48)	Trichloroethene	6.126	95	108189	10.057	ug/L	99
50)	Dibromomethane	6.570	93	60396	9.295	ug/L	95
51)	1,2-Dichloropropane	6.669	63	104950	10.400	ug/L	96
54)	Bromodichloromethane	6.740	83	140218	9.833	ug/L	99
57)	1,4-Dioxane	6.951	88	39646	384.042	ug/L	94
58)	cis-1,3-Dichloropropene	7.431	75	159525	9.553	ug/L	93
61)	Toluene	7.692	92	257395	10.305	ug/L	100
62)	4-Methyl-2-pentanone	8.130	58	25614	8.404	ug/L	75
63)	Tetrachloroethene	8.137	166	113137	9.793	ug/L	96
65)	trans-1,3-Dichloropropene	8.179	75	134593	9.340	ug/L	93
67)	Ethyl methacrylate	8.363	69	98605	8.450	ug/L	94
68)	1,1,2-Trichloroethane	8.370	83	71185	9.608	ug/L	97
69)	Chlorodibromomethane	8.581	129	107838	9.109	ug/L	98
70)	1,3-Dichloropropane	8.687	76	144948	10.046	ug/L	100
71)	1,2-Dibromoethane	8.856	107	84702	8.998	ug/L	99
72)	2-Hexanone	9.139	43	45430	8.981	ug/L	91
73)	Chlorobenzene	9.498	112	306160	10.348	ug/L	99
74)	Ethylbenzene	9.534	91	483961	10.120	ug/L	100
75)	1,1,1,2-Tetrachloroethane	9.583	131	106982	9.404	ug/L	99
76)	p/m Xylene	9.717	106	381279	20.021	ug/L	98
77)	o Xylene	10.261	106	373003	19.534	ug/L	99
78)	Styrene	10.331	104	627016	19.137	ug/L	100
80)	Bromoform	10.366	173	68357	8.133	ug/L	99
82)	Isopropylbenzene	10.649	105	455497	10.005	ug/L	98
84)	Bromobenzene	11.087	156	133161	9.556	ug/L	99
85)	n-Propylbenzene	11.130	91	527800	10.139	ug/L	97
86)	1,4-Dichlorobutane	11.158	55	147183	9.891	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A01.D
 Acq On : 11 Sep 2025 7:20 am
 Operator : GONZO:PID
 Sample : WG2113862-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:42:51 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87)	1,1,2,2-Tetrachloroethane	11.229	83	104273	8.854	ug/L	99
88)	4-Ethyltoluene	11.257	105	449941	10.016	ug/L	99
89)	2-Chlorotoluene	11.300	91	327654M1	10.014	ug/L	
90)	1,3,5-Trimethylbenzene	11.356	105	385713	9.854	ug/L	98
91)	1,2,3-Trichloropropane	11.370	75	84350	9.424	ug/L	96
92)	trans-1,4-Dichloro-2-b...	11.420	53	22455	6.834	ug/L	87
93)	4-Chlorotoluene	11.483	91	344088	9.999	ug/L	98
94)	tert-Butylbenzene	11.696	119	310344	9.548	ug/L	99
97)	1,2,4-Trimethylbenzene	11.781	105	381481	9.764	ug/L	99
98)	sec-Butylbenzene	11.887	105	432297	9.752	ug/L	99
99)	p-Isopropyltoluene	12.042	119	378866	9.502	ug/L	99
100)	1,3-Dichlorobenzene	12.113	146	248456	9.824	ug/L	99
101)	1,4-Dichlorobenzene	12.205	146	257697	9.923	ug/L	99
102)	p-Diethylbenzene	12.417	119	215769	9.149	ug/L	98
103)	n-Butylbenzene	12.474	91	305161	9.956	ug/L	99
104)	1,2-Dichlorobenzene	12.629	146	233304	9.659	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.209	119	293934	8.233	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.414	155	14898	6.940	ug/L	96
107)	1,3,5-Trichlorobenzene	13.443	180	151434	9.522	ug/L	97
108)	Hexachlorobutadiene	14.009	225	42559	8.431	ug/L	97
109)	1,2,4-Trichlorobenzene	14.037	180	113637	8.311	ug/L	100
110)	Naphthalene	14.334	128	175410	6.161	ug/L	100
111)	1,2,3-Trichlorobenzene	14.504	180	78206	7.437	ug/L	100

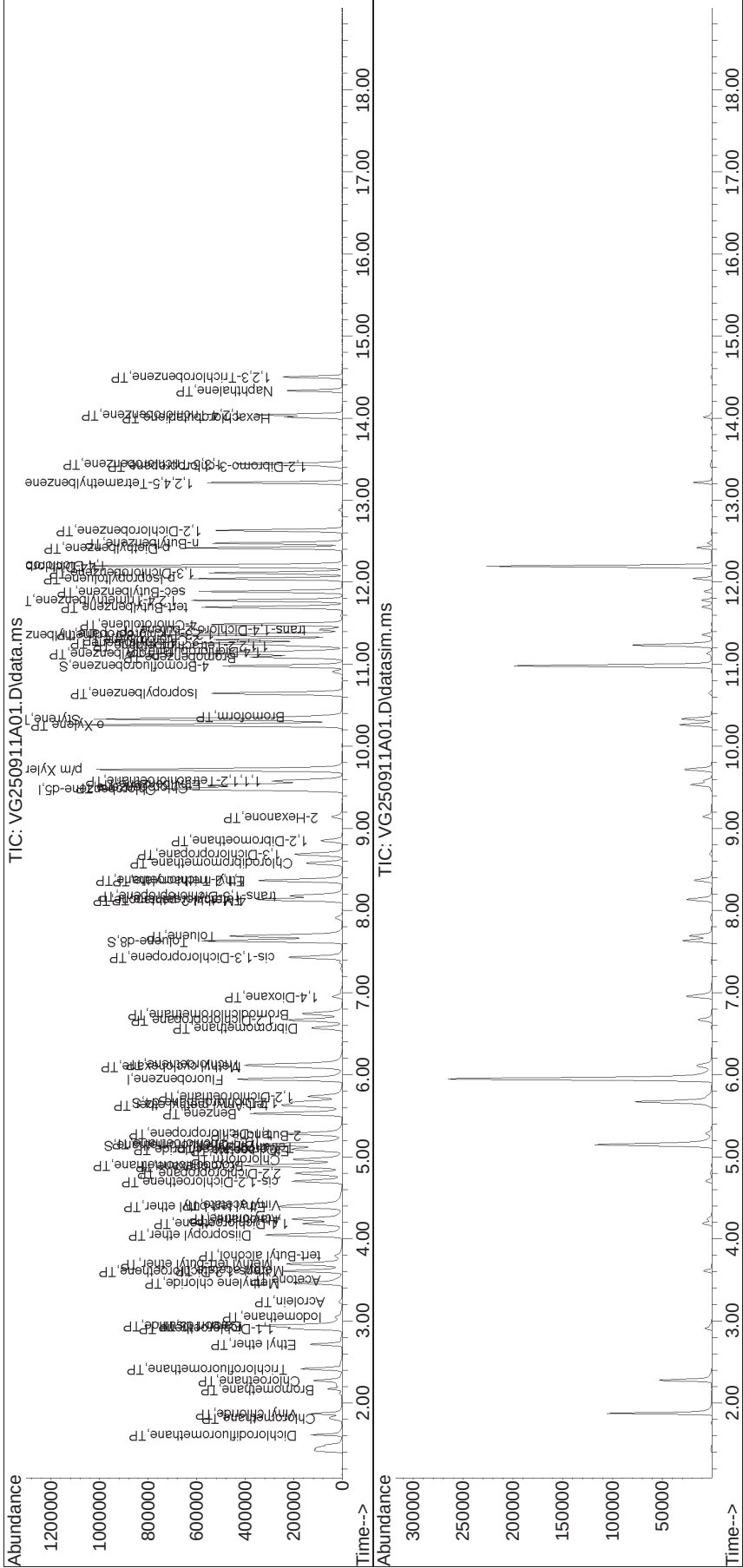
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
Data File : VG250911A01.D
Acq On : 11 Sep 2025 7:20 am
Operator : GONZO:PID
Sample : WG2113862-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2113862, ICAL22400 (Sig #1); WG, ICAL22400 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:42:51 2025
Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

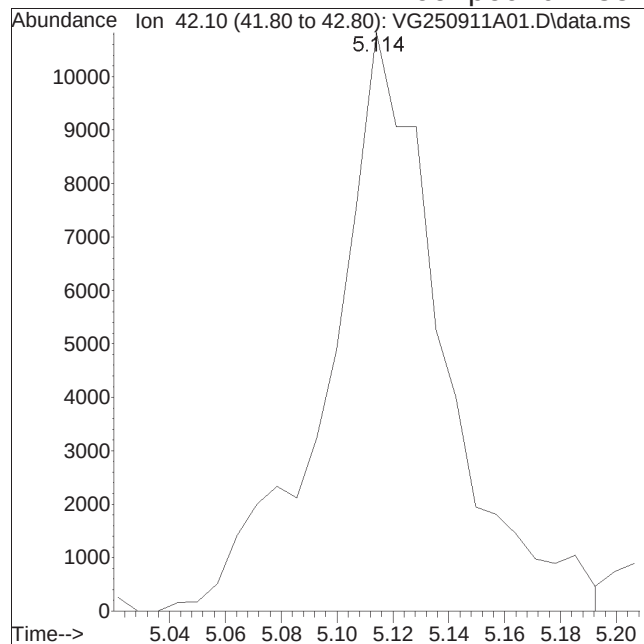


Manual Integration Report

Data Path : K:\Gonzo\2025\250911A\
Data File : VG250911A01.D
Date Inj'd : 9/11/2025 7:20 am
Sample : WG2113862-2

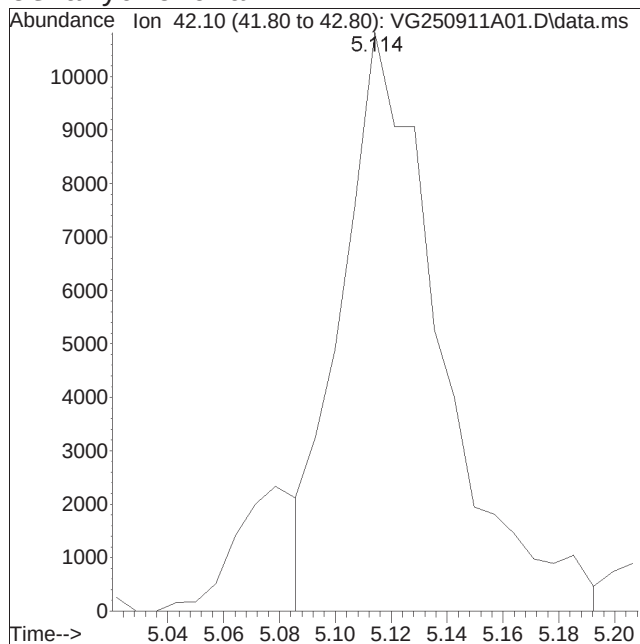
QMethod : G_250619N_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 9/11/2025 7:41 am

Compound #35: Tetrahydrofuran



Original Peak Response = 30416

M6 = Misassignment of peak valley by



Manual Peak Response = 26692 M6

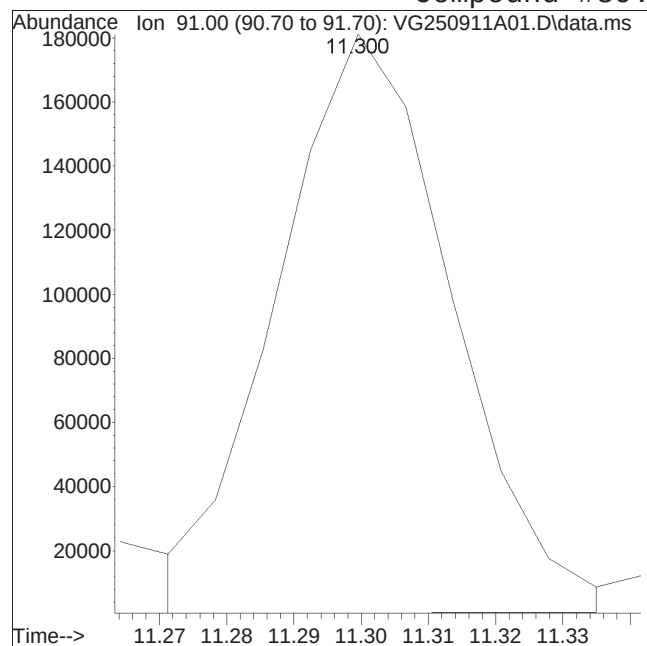
automated integration (poor split of

Manual Integration Report

Data Path : K:\Gonzo\2025\250911A\
Data File : VG250911A01.D
Date Inj'd : 9/11/2025 7:20 am
Sample : WG2113862-2

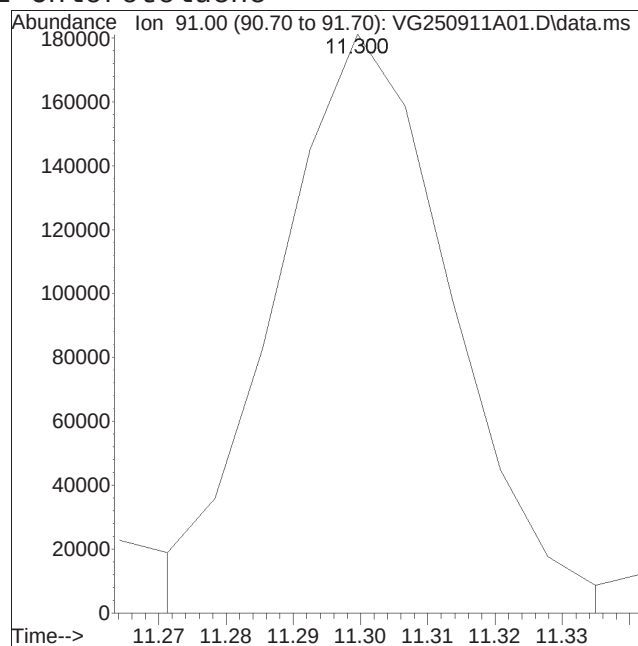
QMethod : G_250619N_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 9/11/2025 7:41 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 325355

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 327654 M1

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A01.D
 Acq On : 21 Sep 2025 8:57 am
 Operator : GONZO:PID
 Sample : WG2117843-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 09:27:43 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	104	0.00
2 TP	Dichlorodifluoromethane	0.219	0.218	0.5	101	0.00
3 TP	Chloromethane	0.205	0.232	-13.2	120	0.00
4 TP	Vinyl chloride	0.225	0.227	-0.9	101	0.00
5 TP	Bromomethane	0.154	0.065	57.8#	50#	0.00
6 TP	Chloroethane	0.153	0.129	15.7	87	0.00
7 TP	Trichlorofluoromethane	0.301	0.308	-2.3	103	0.00
8 TP	Ethyl ether	0.109	0.101	7.3	98	0.00
10 TP	1,1-Dichloroethene	0.181	0.171	5.5	98	0.00
11 TP	Carbon disulfide	0.549	0.617	-12.4	117	0.00
12 TP	Freon-113	0.181	0.177	2.2	100	0.00
14 TP	Acrolein	0.029	0.029	0.0	98	0.00
15 TP	Methylene chloride	0.220	0.215	2.3	109	0.00
17 TP	Acetone	0.043	0.040	7.0	107	0.00
18 TP	trans-1,2-Dichloroethene	0.196	0.198	-1.0	104	0.00
19 TP	Methyl acetate	0.101	0.104	-3.0	111	0.00
20 TP	Methyl tert-butyl ether	0.572	0.484	15.4	88	0.00
21 TP	tert-Butyl alcohol	0.01706	0.00809#	52.6#	50#	0.00
22 TP	Diisopropyl ether	0.580	0.643	-10.9	114	0.00
23 TP	1,1-Dichloroethane	0.347	0.389	-12.1	113	0.00
24 TP	Halothane	0.164	0.163	0.6	102	0.00
25 TP	Acrylonitrile	0.055	0.056	-1.8	107	0.00
26 TP	Ethyl tert-butyl ether	0.597	0.508	14.9	88	-0.01
27 TP	Vinyl acetate	0.370	0.356	3.8	106	0.00
28 TP	cis-1,2-Dichloroethene	0.228	0.221	3.1	99	0.00
29 TP	2,2-Dichloropropane	0.290	0.268	7.6	96	0.00
30 TP	Bromochloromethane	0.107	0.110	-2.8	104	0.00
31 TP	Cyclohexane	0.303	0.297	2.0	103	0.00
32 TP	Chloroform	0.357	0.376	-5.3	110	0.00
33 TP	Ethyl acetate	0.152	0.161	-5.9	109	0.00
34 TP	Carbon tetrachloride	0.285	0.268	6.0	94	0.00
35 TP	Tetrahydrofuran	0.049	0.054	-10.2	123	0.00
36 S	Dibromofluoromethane	0.260	0.269	-3.5	108	0.00
37 TP	1,1,1-Trichloroethane	0.312	0.309	1.0	102	0.00
39 TP	2-Butanone	0.065	0.072	-10.8	133	0.00
40 TP	1,1-Dichloropropene	0.248	0.246	0.8	102	0.00
41 TP	Benzene	0.780	0.839	-7.6	109	0.00
42 TP	tert-Amyl methyl ether	0.569	0.442	22.3#	82	0.00
43 S	1,2-Dichloroethane-d4	0.266	0.311	-16.9	118	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A01.D
 Acq On : 21 Sep 2025 8:57 am
 Operator : GONZO:PID
 Sample : WG2117843-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 09:27:43 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TP	1,2-Dichloroethane	0.256	0.275	-7.4	114	0.00
47 TP	Methyl cyclohexane	0.280	0.254	9.3	94	0.00
48 TP	Trichloroethene	0.214	0.223	-4.2	107	0.00
50 TP	Dibromomethane	0.129	0.122	5.4	99	0.00
51 TP	1,2-Dichloropropane	0.200	0.212	-6.0	108	0.00
54 TP	Bromodichloromethane	0.283	0.285#	-0.7	104	0.00
57 TP	1,4-Dioxane	0.00205	0.00137#	33.2#	70	0.00
58 TP	cis-1,3-Dichloropropene	0.332	0.289#	13.0	90	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
60 S	Toluene-d8	1.242	1.301	-4.8	105	-0.01
61 TP	Toluene	0.640	0.666	-4.1	103	0.00
62 TP	4-Methyl-2-pentanone	0.078	0.061	21.8#	78	0.00
63 TP	Tetrachloroethene	0.296	0.298	-0.7	96	0.00
65 TP	trans-1,3-Dichloropropene	0.369	0.314	14.9	85	-0.01
67 TP	Ethyl methacrylate	0.299	0.236	21.1#	80	0.00
68 TP	1,1,2-Trichloroethane	0.190	0.195#	-2.6	105	-0.01
69 TP	Chlorodibromomethane	0.304	0.275	9.5	93	0.00
70 TP	1,3-Dichloropropane	0.370	0.380	-2.7	102	0.00
71 TP	1,2-Dibromoethane	0.241	0.219	9.1	90	0.00
72 TP	2-Hexanone	0.130	0.111	14.6	85	0.00
73 TP	Chlorobenzene	0.758	0.786	-3.7	103	0.00
74 TP	Ethylbenzene	1.226	1.238	-1.0	100	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.292	0.284	2.7	98	-0.01
76 TP	p/m Xylene	0.488	0.496	-1.6	100	0.00
77 TP	o Xylene	0.490	0.480	2.0	97	0.00
78 TP	Styrene	0.840	0.837	0.4	100	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
80 TP	Bromoform	0.376	0.285	24.2#	82	-0.01
82 TP	Isopropylbenzene	2.036	1.899	6.7	95	0.00
83 S	4-Bromofluorobenzene	0.825	0.792	4.0	100	0.00
84 TP	Bromobenzene	0.623	0.583	6.4	95	0.00
85 TP	n-Propylbenzene	2.328	2.314	0.6	102	0.00
86 TP	1,4-Dichlorobutane	0.666	0.689	-3.5	111	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.527	0.477	9.5	99	0.00
88 TP	4-Ethyltoluene	2.009	1.964	2.2	100	0.00
89 TP	2-Chlorotoluene	1.463	1.484	-1.4	105	0.00
90 TP	1,3,5-Trimethylbenzene	1.751	1.698	3.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A01.D
 Acq On : 21 Sep 2025 8:57 am
 Operator : GONZO:PID
 Sample : WG2117843-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 09:27:43 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane	0.400	0.373	6.8	98	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.147	0.081	44.9#	63	0.00
93 TP	4-Chlorotoluene	1.539	1.510	1.9	101	0.00
94 TP	tert-Butylbenzene	1.454	1.313	9.7	93	0.00
97 TP	1,2,4-Trimethylbenzene	1.747	1.655	5.3	98	0.00
98 TP	sec-Butylbenzene	1.983	1.902	4.1	99	0.00
99 TP	p-Isopropyltoluene	1.783	1.649	7.5	95	0.00
100 TP	1,3-Dichlorobenzene	1.131	1.108	2.0	101	0.00
101 TP	1,4-Dichlorobenzene	1.161	1.132	2.5	101	0.00
102 TP	p-Diethylbenzene	1.055	0.937	11.2	92	0.00
103 TP	n-Butylbenzene	1.371	1.326	3.3	101	0.00
104 TP	1,2-Dichlorobenzene	1.080	1.012	6.3	96	-0.01
105 TP	1,2,4,5-Tetramethylbenzene	1.597	1.158	27.5#	75	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.096	0.062	35.4#	66	0.00
107 TP	1,3,5-Trichlorobenzene	0.711	0.654	8.0	91	0.00
108 TP	Hexachlorobutadiene	0.226	0.194	14.2	88	-0.01
109 TP	1,2,4-Trichlorobenzene	0.612	0.423	30.9#	69	-0.01
110 TP	Naphthalene	1.273	0.584	54.1#	47#	0.00
111 TP	1,2,3-Trichlorobenzene	0.470	0.294#	37.4#	63	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A01.D
 Acq On : 21 Sep 2025 8:57 am
 Operator : GONZO:PID
 Sample : WG2117843-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2117843, ICAL22400 (Sig #1); WG, ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 09:27:43 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	571809	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.478	117	440676	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.191	152	264512	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.143	113	153879	10.367	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.67%		
43) 1,2-Dichloroethane-d4	5.667	65	177682	11.693	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	116.93%		
60) Toluene-d8	7.629	98	573409	10.475	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.75%		
83) 4-Bromofluorobenzene	10.982	95	209397	9.598	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.98%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	124483	9.934	ug/L	99
3) Chloromethane	1.820	50	132804	11.347	ug/L	100
4) Vinyl chloride	1.870	62	129754	10.077	ug/L	99
5) Bromomethane	2.176	94	37403	4.236	ug/L	100
6) Chloroethane	2.276	64	73658	8.429	ug/L	97
7) Trichlorofluoromethane	2.418	101	175871	10.217	ug/L	99
8) Ethyl ether	2.717	74	57648	9.258	ug/L #	82
10) 1,1-Dichloroethene	2.909	96	97862	9.450	ug/L	89
11) Carbon disulfide	2.944	76	352995	11.254	ug/L	100
12) Freon-113	2.944	101	101299	9.790	ug/L	79
14) Acrolein	3.236	56	16365	10.004	ug/L	89
15) Methylene chloride	3.464	84	123088	9.771	ug/L	87
17) Acetone	3.514	43	22883	9.348	ug/L	97
18) trans-1,2-Dichloroethene	3.606	96	113332	10.100	ug/L	93
19) Methyl acetate	3.620	43	59272	10.274	ug/L #	93
20) Methyl tert-butyl ether	3.691	73	276664	8.465	ug/L #	89
21) tert-Butyl alcohol	3.798	59	23127	23.706	ug/L #	70
22) Diisopropyl ether	4.047	45	367737	11.080	ug/L	92
23) 1,1-Dichloroethane	4.189	63	222197	11.197	ug/L	99
24) Halothane	4.239	117	93216	9.933	ug/L	99
25) Acrylonitrile	4.246	53	31841	10.124	ug/L	98
26) Ethyl tert-butyl ether	4.389	59	290740	8.520	ug/L	91
27) Vinyl acetate	4.417	43	203622	9.623	ug/L #	94
28) cis-1,2-Dichloroethene	4.702	96	126119	9.655	ug/L	88
29) 2,2-Dichloropropane	4.801	77	153230	9.229	ug/L	84

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A01.D
 Acq On : 21 Sep 2025 8:57 am
 Operator : GONZO:PID
 Sample : WG2117843-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 09:27:43 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30)	Bromochloromethane	4.901	128	62699	10.253	ug/L #	83
31)	Cyclohexane	4.887	56	169933	9.823	ug/L	92
32)	Chloroform	4.972	83	215096	10.534	ug/L	98
33)	Ethyl acetate	5.079	43	92147	10.629	ug/L #	94
34)	Carbon tetrachloride	5.093	117	152981	9.381	ug/L	96
35)	Tetrahydrofuran	5.121	42	30829M6	11.073	ug/L	
37)	1,1,1-Trichloroethane	5.164	97	176758	9.892	ug/L	96
39)	2-Butanone	5.264	43	41189	11.117	ug/L #	74
40)	1,1-Dichloropropene	5.285	75	140570	9.904	ug/L	96
41)	Benzene	5.526	78	479980	10.763	ug/L	97
42)	tert-Amyl methyl ether	5.632	73	252795	7.769	ug/L #	86
44)	1,2-Dichloroethane	5.738	62	157348	10.764	ug/L	98
47)	Methyl cyclohexane	6.105	83	145453	9.100	ug/L	89
48)	Trichloroethene	6.126	95	127439	10.431	ug/L	100
50)	Dibromomethane	6.571	93	69790	9.457	ug/L	92
51)	1,2-Dichloropropane	6.669	63	121407	10.593	ug/L	98
54)	Bromodichloromethane	6.747	83	163169	10.075	ug/L	99
57)	1,4-Dioxane	6.952	88	39224	334.549	ug/L #	84
58)	cis-1,3-Dichloropropene	7.431	75	165408	8.722	ug/L	95
61)	Toluene	7.692	92	293415	10.398	ug/L	100
62)	4-Methyl-2-pentanone	8.130	58	26702	7.755	ug/L #	70
63)	Tetrachloroethene	8.137	166	131365	10.066	ug/L	97
65)	trans-1,3-Dichloropropene	8.179	75	138338	8.498	ug/L	93
67)	Ethyl methacrylate	8.370	69	103795	7.874	ug/L	90
68)	1,1,2-Trichloroethane	8.363	83	85723	10.242	ug/L	98
69)	Chlorodibromomethane	8.581	129	121397	9.077	ug/L	99
70)	1,3-Dichloropropane	8.687	76	167618	10.284	ug/L	99
71)	1,2-Dibromoethane	8.850	107	96447	9.069	ug/L	99
72)	2-Hexanone	9.139	43	48798	8.540	ug/L #	86
73)	Chlorobenzene	9.499	112	346355	10.362	ug/L	99
74)	Ethylbenzene	9.534	91	545628	10.100	ug/L	100
75)	1,1,1,2-Tetrachloroethane	9.576	131	125018	9.728	ug/L	99
76)	p/m Xylene	9.717	106	436915	20.309	ug/L	97
77)	o Xylene	10.261	106	422721	19.596	ug/L	99
78)	Styrene	10.331	104	737917	19.936	ug/L	99
80)	Bromoform	10.360	173	75396	7.583	ug/L	100
82)	Isopropylbenzene	10.649	105	502297	9.327	ug/L	98
84)	Bromobenzene	11.095	156	154121	9.350	ug/L	97
85)	n-Propylbenzene	11.130	91	612086	9.939	ug/L	98
86)	1,4-Dichlorobutane	11.158	55	182186	10.349	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.229	83	126121	9.053	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A01.D
 Acq On : 21 Sep 2025 8:57 am
 Operator : GONZO:PID
 Sample : WG2117843-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 09:27:43 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	4-Ethyltoluene	11.257	105	519373	9.774	ug/L	98
89)	2-Chlorotoluene	11.300	91	392632M6	10.144	ug/L	
90)	1,3,5-Trimethylbenzene	11.356	105	449241	9.702	ug/L	100
91)	1,2,3-Trichloropropane	11.371	75	98655	9.318	ug/L	97
92)	trans-1,4-Dichloro-2-b...	11.420	53	21318	5.485	ug/L	80
93)	4-Chlorotoluene	11.484	91	399335	9.810	ug/L	100
94)	tert-Butylbenzene	11.696	119	347245	9.031	ug/L	98
97)	1,2,4-Trimethylbenzene	11.781	105	437791	9.473	ug/L	98
98)	sec-Butylbenzene	11.887	105	503110	9.594	ug/L	100
99)	p-Isopropyltoluene	12.043	119	436223	9.249	ug/L	99
100)	1,3-Dichlorobenzene	12.113	146	293157	9.798	ug/L	100
101)	1,4-Dichlorobenzene	12.212	146	299523	9.750	ug/L	99
102)	p-Diethylbenzene	12.417	119	247736	8.880	ug/L	99
103)	n-Butylbenzene	12.474	91	350843	9.676	ug/L	100
104)	1,2-Dichlorobenzene	12.630	146	267679	9.368	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.217	119	306349	7.253	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.415	155	16310	6.423	ug/L	97
107)	1,3,5-Trichlorobenzene	13.443	180	172886	9.189	ug/L	98
108)	Hexachlorobutadiene	14.009	225	51345	8.598	ug/L	98
109)	1,2,4-Trichlorobenzene	14.037	180	111933	6.920	ug/L	100
110)	Naphthalene	14.334	128	154400	4.584	ug/L	100
111)	1,2,3-Trichlorobenzene	14.504	180	77813	6.255	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

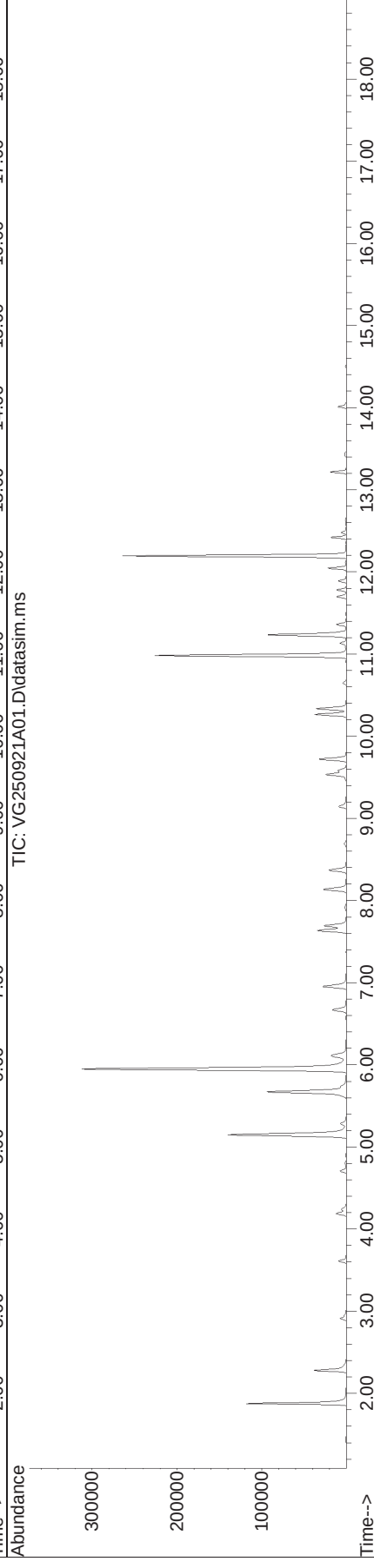
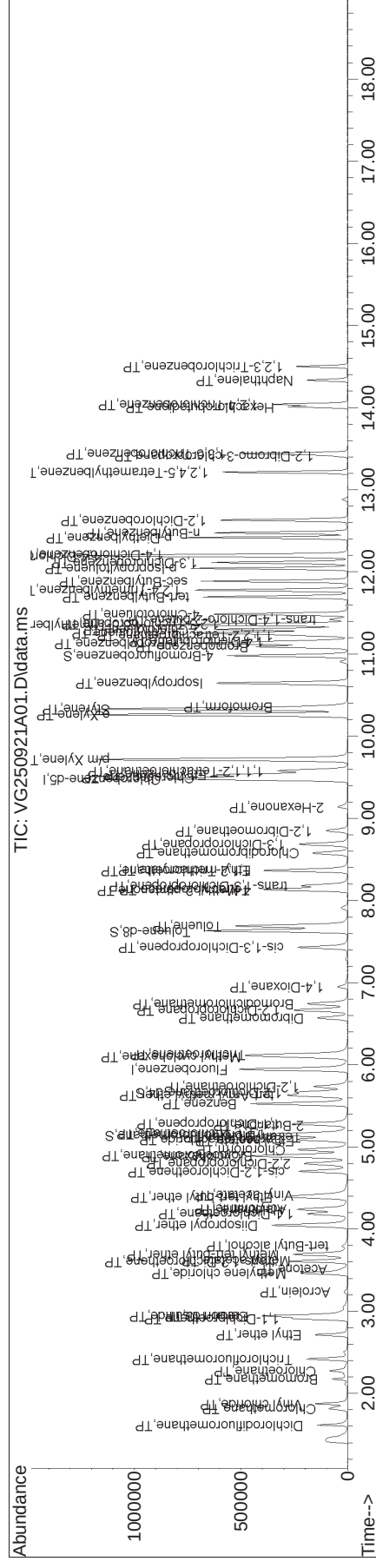
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Data Path      : K:\Gonzo\2025\250921A\
Data File     : VG250921A01.D
Acq On        : 21 Sep 2025   8:57 am
Operator      : GONZO:PID
Sample        : WG2117843-2 (Sig #1);
Misc          : WG2117843,ICAL22400 (S
ALS Vial      : 1 Sample Multiplier:

```

Quant Time: Sep 21 09:27:43 2025
Quant Method : K:\Gonzo\2025\250921A\G_
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - M

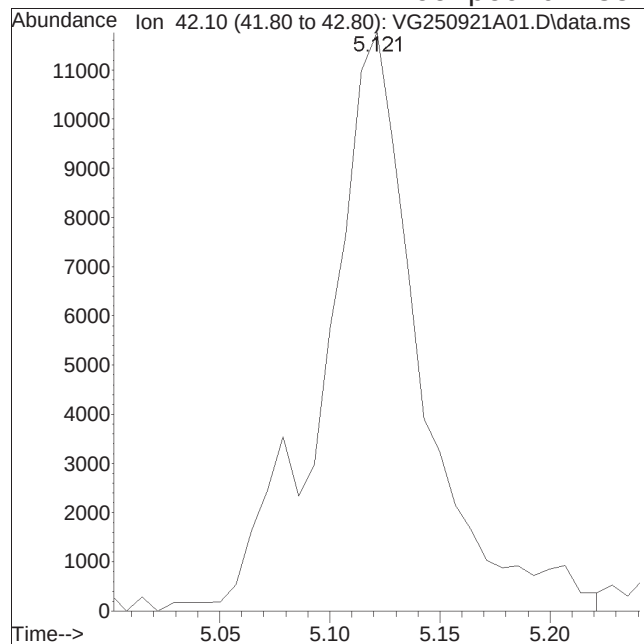


Manual Integration Report

Data Path : K:\Gonzo\2025\250921A\
Data File : VG250921A01.D
Date Inj'd : 9/21/2025 8:57 am
Sample : WG2117843-2

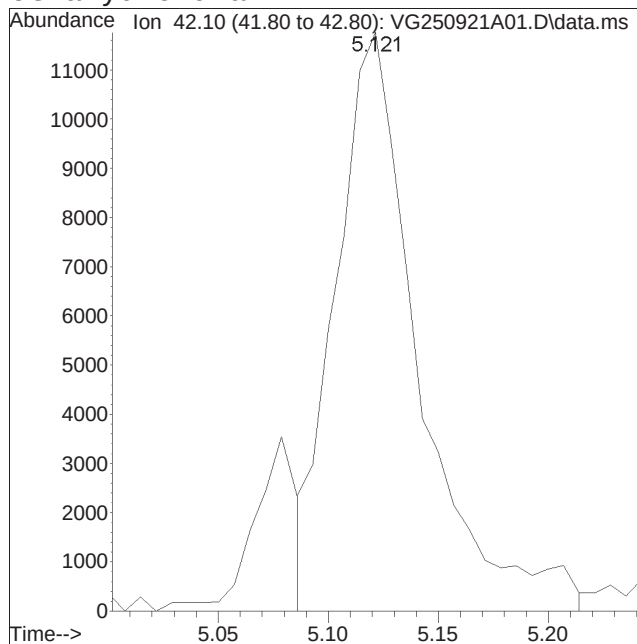
QMethod : G_250619N_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 9/21/2025 9:26 am

Compound #35: Tetrahydrofuran



Original Peak Response = 35772

M6 = Misassignment of peak valley by



Manual Peak Response = 30829 M6

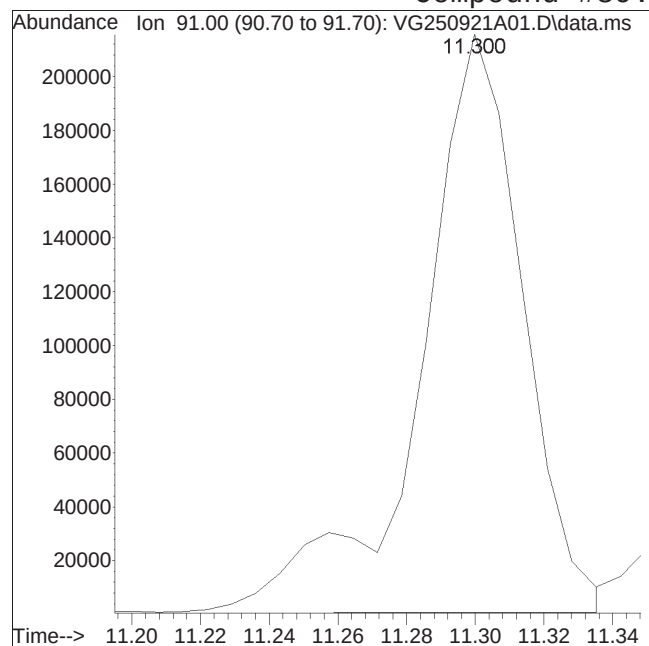
automated integration (poor split of

Manual Integration Report

Data Path : K:\Gonzo\2025\250921A\
Data File : VG250921A01.D
Date Inj'd : 9/21/2025 8:57 am
Sample : WG2117843-2

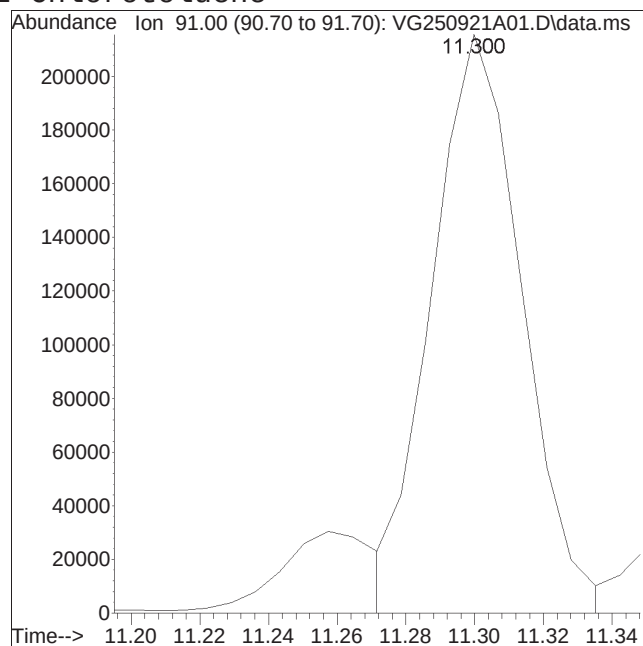
QMethod : G_250619N_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 9/21/2025 9:26 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 446184

M6 = Misassignment of peak valley by



Manual Peak Response = 392632 M6

automated integration (poor split of

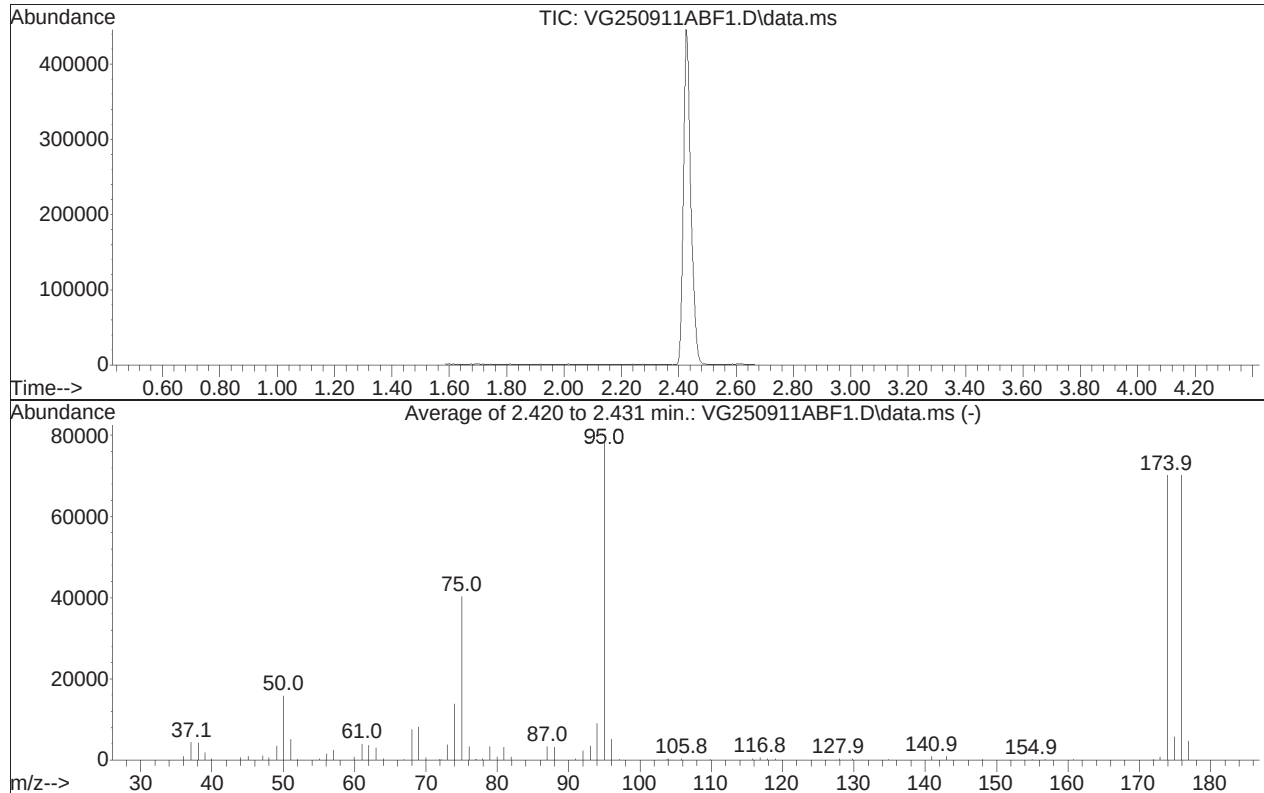
2 peaks).

BFB

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911ABF1.D
 Acq On : 11 Sep 2025 7:06 am
 Operator : GONZO:PID
 Sample : WG2113862-1
 Misc : WG2113862,ICAL22400
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Jun 20 07:10:41 2025



AutoFind: Scans 160, 161, 162; Background Corrected with Scan 152

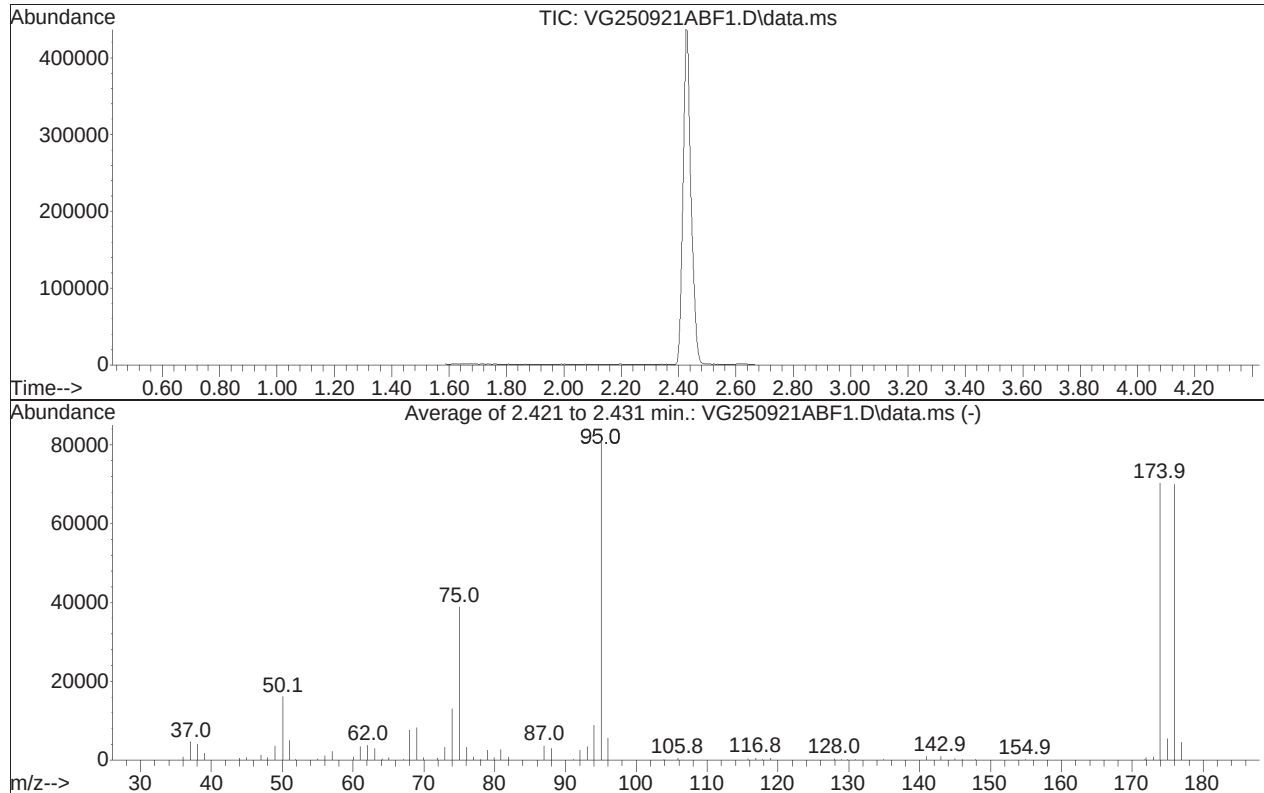
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	15847	PASS
75	95	30	60	51.3	40347	PASS
95	95	100	100	100.0	78685	PASS
96	95	5	9	6.6	5226	PASS
173	174	0.00	2	1.2	866	PASS
174	95	50	100	89.3	70251	PASS
175	174	5	9	8.2	5786	PASS
176	174	95	101	99.9	70163	PASS
177	176	5	9	6.8	4752	PASS

BFB

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921ABF1.D
 Acq On : 21 Sep 2025 8:43 am
 Operator : GONZO:PID
 Sample : WG2117843-1
 Misc : WG2117843,ICAL22400
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Jun 20 07:10:41 2025



AutoFind: Scans 160, 161, 162; Background Corrected with Scan 152

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	16060	PASS
75	95	30	60	48.0	38893	PASS
95	95	100	100	100.0	81077	PASS
96	95	5	9	6.9	5592	PASS
173	174	0.00	2	1.2	856	PASS
174	95	50	100	86.7	70277	PASS
175	174	5	9	7.6	5371	PASS
176	174	95	101	99.6	70000	PASS
177	176	5	9	6.6	4600	PASS

Volatiles Raw QC Data

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A05.D
 Acq On : 11 Sep 2025 9:06 am
 Operator : GONZO:PID
 Sample : WG2113862-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 09:49:19 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	428105	10.000	ug/L	0.00
Standard Area 1 = 503476			Recovery	=	85.03%	
59) Chlorobenzene-d5	9.477	117	322981	10.000	ug/L	0.00
Standard Area 1 = 390080			Recovery	=	82.80%	
79) 1,4-Dichlorobenzene-d4	12.198	152	176631	10.000	ug/L	0.00
Standard Area 1 = 223601			Recovery	=	78.99%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	111112	9.999	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.99%	
43) 1,2-Dichloroethane-d4	5.667	65	124555	10.948	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	109.48%	
60) Toluene-d8	7.636	98	408012	10.170	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.70%	
83) 4-Bromofluorobenzene	10.981	95	143223	9.831	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.31%	
Target Compounds						
2) Dichlorodifluoromethane	1.493	85	118	N.D.		
3) Chloromethane	1.820	50	433	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.176	94	1145	0.173	ug/L	# 64
6) Chloroethane	2.240	64	327	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.937	76	1355	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.471	84	153	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	3.620	96	75	N.D.		
19) Methyl acetate	3.613	43	80	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	4.879	56	70	N.D.		
32) Chloroform	4.972	83	703	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A05.D
 Acq On : 11 Sep 2025 9:06 am
 Operator : GONZO:PID
 Sample : WG2113862-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 09:49:19 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	5.385	97	66		N.D.	
39)	2-Butanone	5.185	43	79		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	0.000		0		N.D.	
47)	Methylcyclohexane	0.000		0		N.D.	
48)	Trichloroethene	0.000		0		N.D.	d
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	7.615	75	149		N.D.	
61)	Toluene	0.000		0		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	0.000		0		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	9.188	43	67		N.D.	
73)	Chlorobenzene	9.506	112	179		N.D.	
74)	Ethylbenzene	9.555	91	250		N.D.	
76)	p/m Xylene	9.513	106	69		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	10.141	104	72		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	10.677	105	72		N.D.	
87)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	12.134	146	72		N.D.	
101)	1,4-Dichlorobenzene	12.205	146	123		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	14.058	180	281		N.D.	
111)	1,2,3-Trichlorobenzene	14.518	180	446		N.D.	

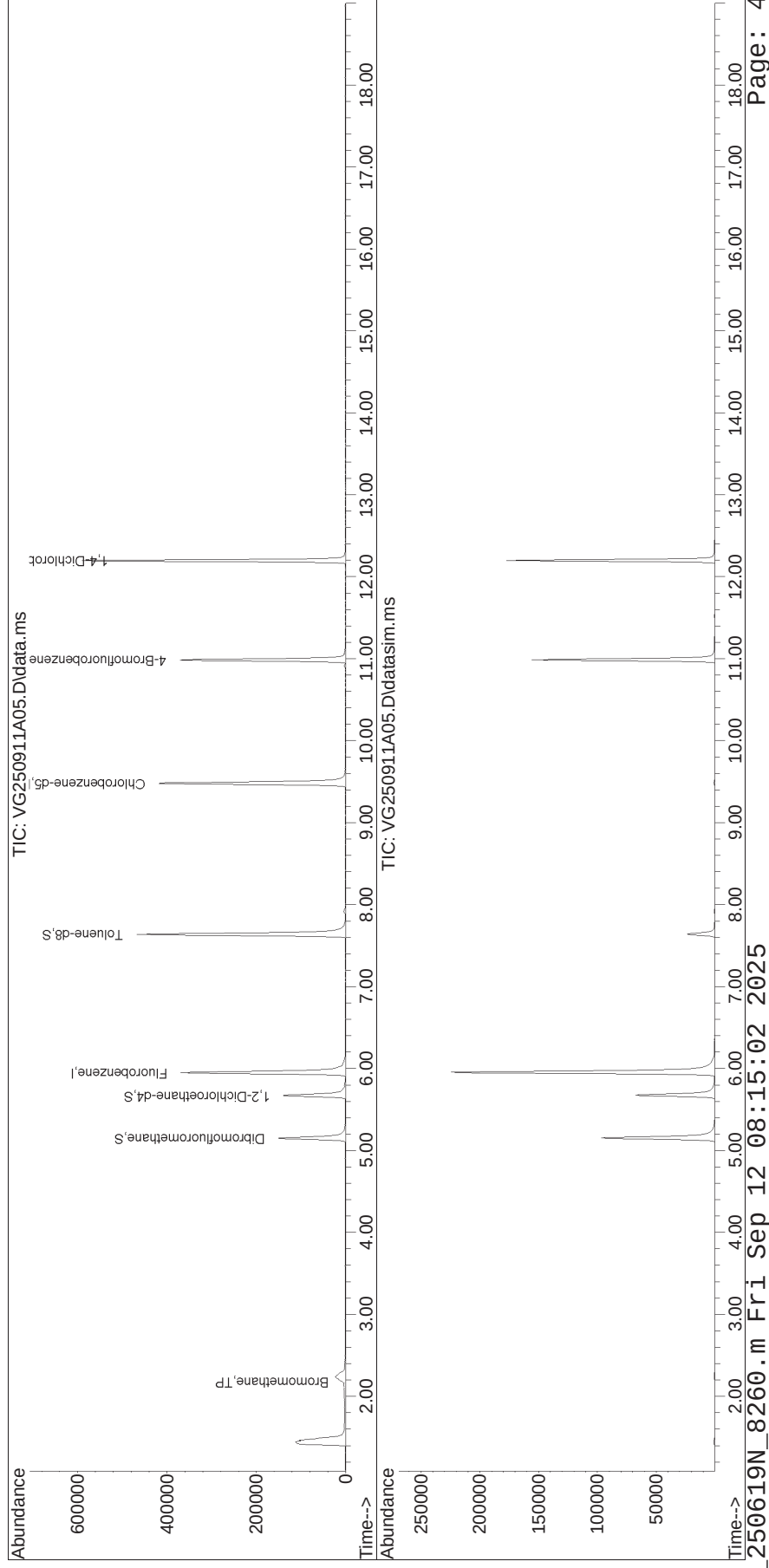
(#) = qualifier out of range (m) = manual integration (+) = signals summed

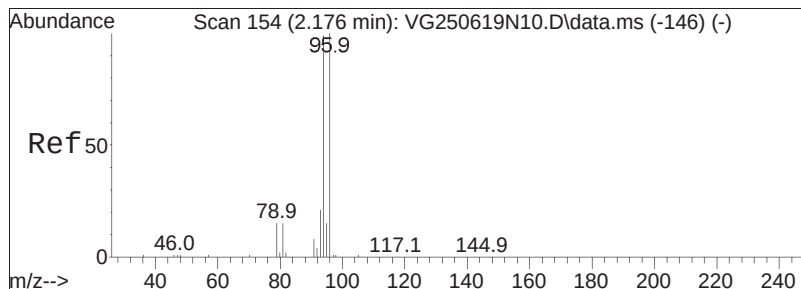
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Gonzo\2025\250911A\
Data File : VG250911A05.D
Acq On : 11 Sep 2025 9:06 am
Operator : GONZO:PID
Sample : WG2113862-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 09:49:19 2025
Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

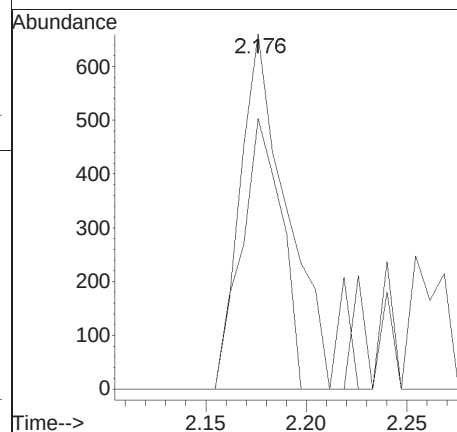
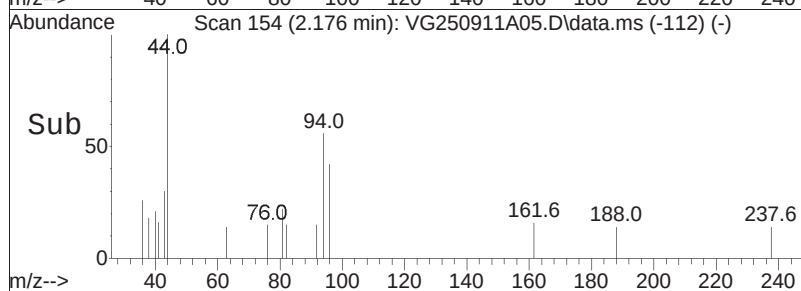
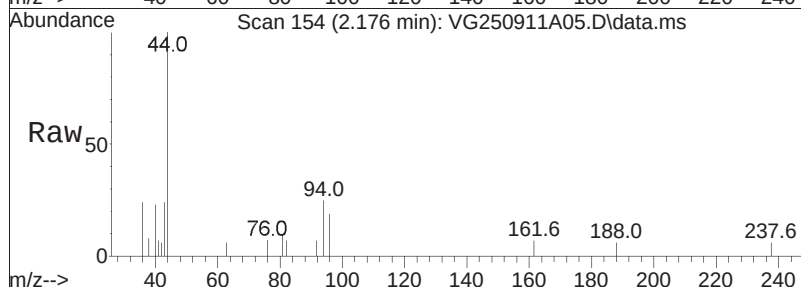
60ALLISTE(s) : 8260KCN60002025\250911A\XW0250920A05.D•





#5
 Bromomethane
 Concen: 0.17 ug/L
 RT: 2.176 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VG250911A05.D
 Acq: 11 Sep 2025 9:06 am

Tgt Ion: 94 Resp: 1145
 Ion Ratio Lower Upper
 94 100
 96 61.0 75.8 115.8#



Manual Integration Report

Data Path	: K:\Gonzo\2025\250911A\	QMethod	: G_250619N_8260.m
Data File	: VG250911A05.D	Operator	: GONZO:PID
Date Inj'd	: 9/11/2025 9:06 am	Instrument	: Gonzo
Sample	: WG2113862-5,31,10,10	Quant Date	: 9/11/2025 9:49 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A05.D
 Acq On : 11 Sep 2025 9:06 am
 Operator : GONZO:PID
 Sample : WG2113862-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Title : VOLATILES BY GC/MS

Signal : TIC: VG250911A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	152	163	177	rVB6	20370	108442	9.95%	1.942%
2	5.150	565	572	594	rBV	150218	374970	34.39%	6.714%
3	5.674	639	646	672	rBV	138769	358453	32.88%	6.418%
4	5.950	676	685	719	rBV	368528	920875	84.47%	16.488%
5	7.636	916	924	949	rBV	466729	1090201	100.00%	19.520%
6	9.477	1177	1185	1204	rBV	417527	971660	89.13%	17.397%
7	10.981	1392	1398	1414	rBV	369913	743864	68.23%	13.319%
8	12.198	1559	1570	1587	rBV	589301	1016717	93.26%	18.204%

Sum of corrected areas: 5585182
 Signal : TIC: VG250911A05.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
---	-----	-----	-----	-----	---	-----	-----	-----	-----

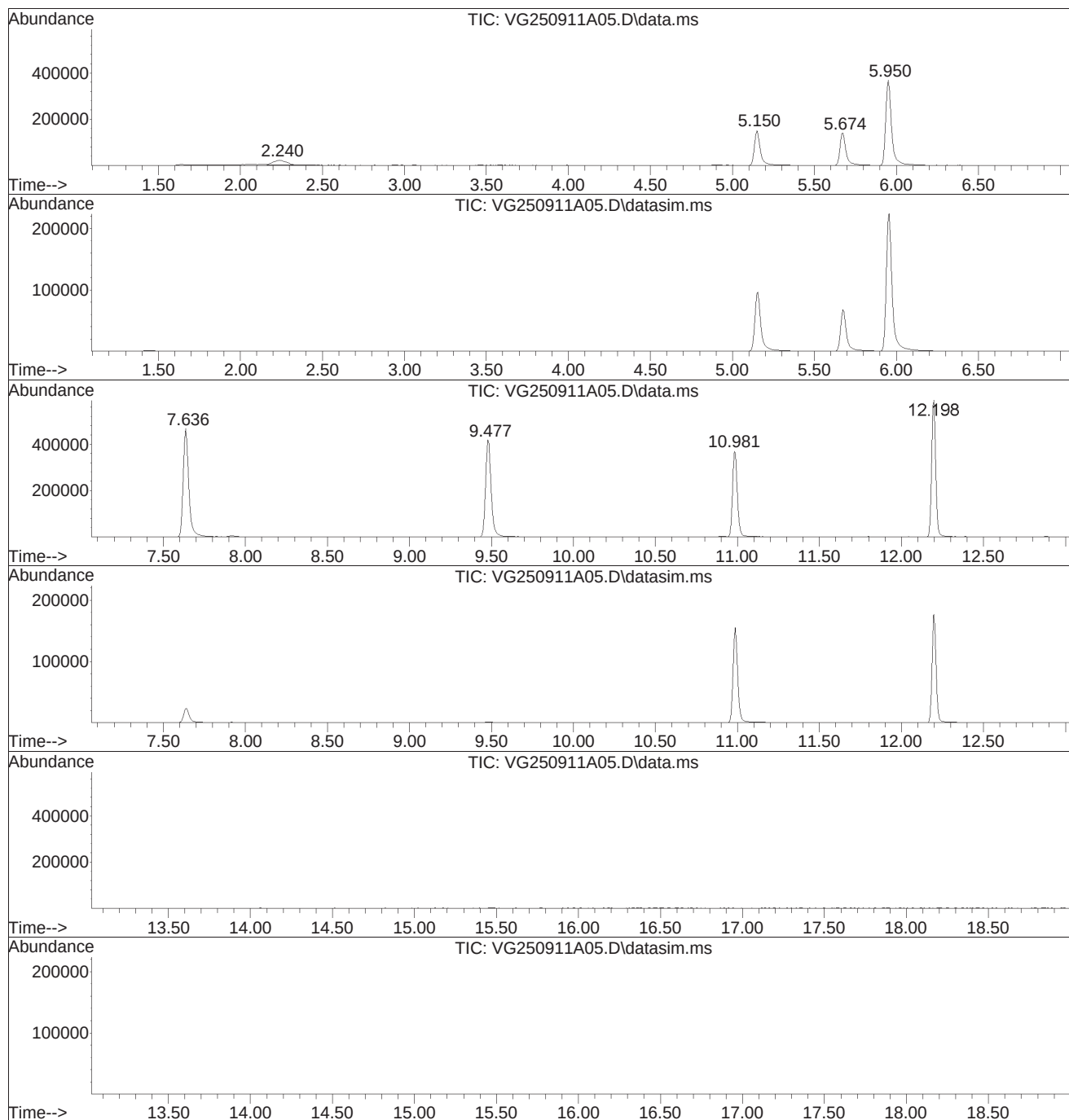
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A05.D
 Acq On : 11 Sep 2025 9:06 am
 Operator : GONZO:PID
 Sample : WG2113862-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
 TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Gonzo\2025\250911A\
Data File : VG250911A05.D
Acq On : 11 Sep 2025 9:06 am
Operator : GONZO:PID
Sample : WG2113862-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

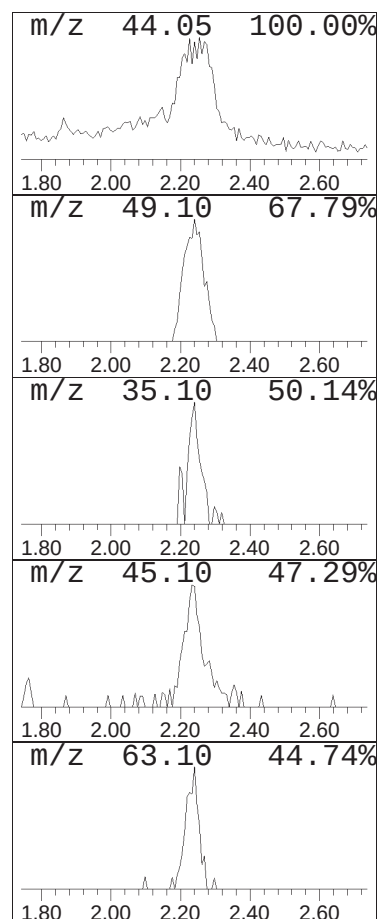
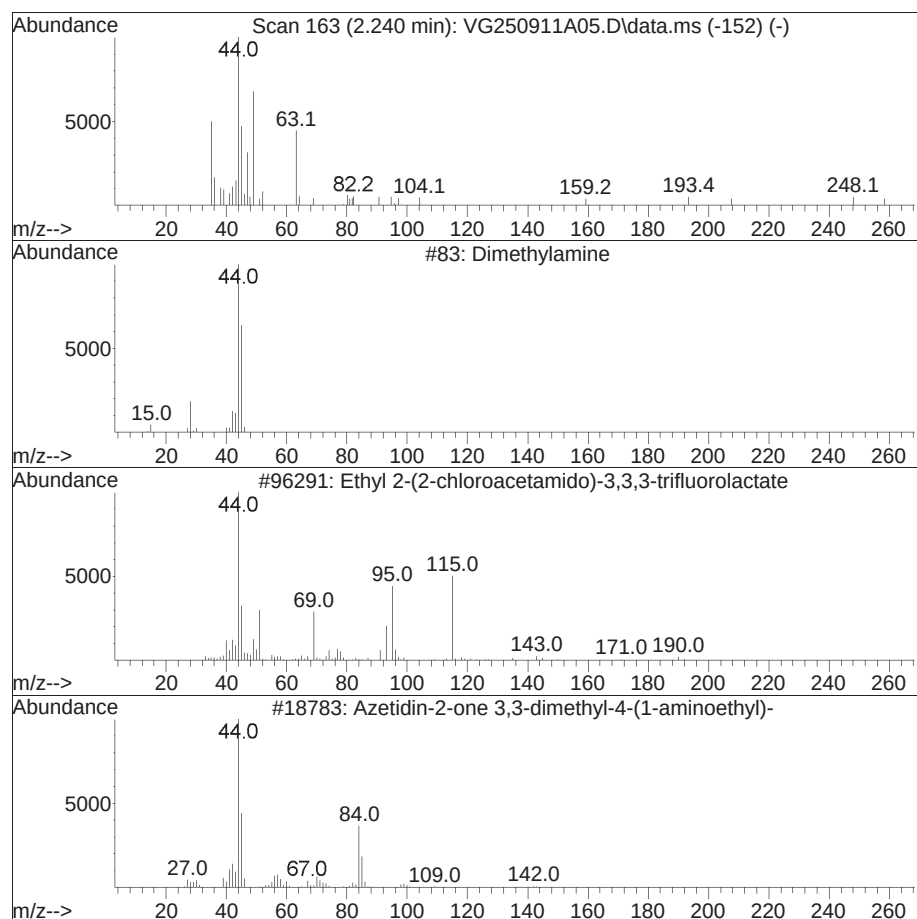
Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 1 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.240	1.18 ug/L	108442	Fluorobenzene	5.950

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dimethylamine	45	C2H7N	000124-40-3	9
2		Ethyl 2-(2-chloroacetamido)-3,3,...	263	C7H9ClF3N04	1000224-74-2	9
3		Azetidin-2-one 3,3-dimethyl-4-(1...	142	C7H14N2O	1000161-94-5	9
4		Pteridine-8-oxide, 6-aldoximino-...	222	C7H6N6O3	023663-23-2	7
5		Pterin-6-carboxylic acid	207	C7H5N5O3	000948-60-7	4



Tentatively Identified Compound (LSC) summary

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A05.D
 Acq On : 11 Sep 2025 9:06 am
 Operator : GONZO:PID
 Sample : WG2113862-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
 TIC Integration Parameters: rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard-- # RT Resp Conc
Unknown	2.240	1.2	ug/L	108442	1 5.950 920875 10.0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A05.D
 Acq On : 21 Sep 2025 10:43 am
 Operator : GONZO:PID
 Sample : WG2117843-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 21 11:04:23 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250921A\VG250921A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	493851	10.000	ug/L	0.00
Standard Area 1 = 571809			Recovery	=	86.37%	
59) Chlorobenzene-d5	9.478	117	375417	10.000	ug/L	0.00
Standard Area 1 = 440676			Recovery	=	85.19%	
79) 1,4-Dichlorobenzene-d4	12.198	152	198247	10.000	ug/L	0.00
Standard Area 1 = 264512			Recovery	=	74.95%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	137983	10.764	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	107.64%	
43) 1,2-Dichloroethane-d4	5.667	65	154205	11.750	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	117.50%	
60) Toluene-d8	7.636	98	470456	10.089	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.89%	
83) 4-Bromofluorobenzene	10.982	95	164089	10.035	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.35%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.827	50	441	N.D.		
4) Vinyl chloride	1.877	62	142	N.D.		
5) Bromomethane	2.176	94	963	0.126	ug/L	83
6) Chloroethane	2.261	64	149	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.944	76	3214	0.119	ug/L #	80
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.471	84	724	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	3.620	96	333	N.D.		
19) Methyl acetate	3.585	43	73	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.716	96	267	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.979	83	850	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A05.D
 Acq On : 21 Sep 2025 10:43 am
 Operator : GONZO:PID
 Sample : WG2117843-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 21 11:04:23 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250921A\VG250921A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0		N.D.	
39)	2-Butanone	5.228	43	75		N.D.	
41)	Benzene	0.000		0		N.D.	
44)	1,2-Dichloroethane	5.752	62	69		N.D.	
47)	Methyl cyclohexane	0.000		0		N.D.	
48)	Trichloroethene	6.133	95	242		N.D.	
51)	1,2-Dichloropropane	0.000		0		N.D.	
54)	Bromodichloromethane	0.000		0		N.D.	
58)	cis-1,3-Dichloropropene	0.000		0		N.D.	
61)	Toluene	0.000		0		N.D.	
62)	4-Methyl-2-pentanone	0.000		0		N.D.	
63)	Tetrachloroethene	0.000		0		N.D.	
65)	trans-1,3-Dichloropropene	8.398	75	64		N.D.	
68)	1,1,2-Trichloroethane	0.000		0		N.D.	
69)	Chlorodibromomethane	0.000		0		N.D.	
71)	1,2-Dibromoethane	0.000		0		N.D.	
72)	2-Hexanone	0.000		0		N.D.	
73)	Chlorobenzene	9.506	112	238		N.D.	
74)	Ethylbenzene	9.548	91	76		N.D.	
76)	p/m Xylene	9.760	106	68		N.D.	
77)	o Xylene	0.000		0		N.D.	
78)	Styrene	0.000		0		N.D.	
80)	Bromoform	0.000		0		N.D.	
82)	Isopropylbenzene	0.000		0		N.D.	
87)	1,1,2,2-Tetrachloroethane	10.989	83	66		N.D.	
100)	1,3-Dichlorobenzene	12.142	146	218		N.D.	
101)	1,4-Dichlorobenzene	12.205	146	535		N.D.	
104)	1,2-Dichlorobenzene	12.672	146	94		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	14.065	180	767		N.D.	
111)	1,2,3-Trichlorobenzene	14.511	180	385		N.D.	

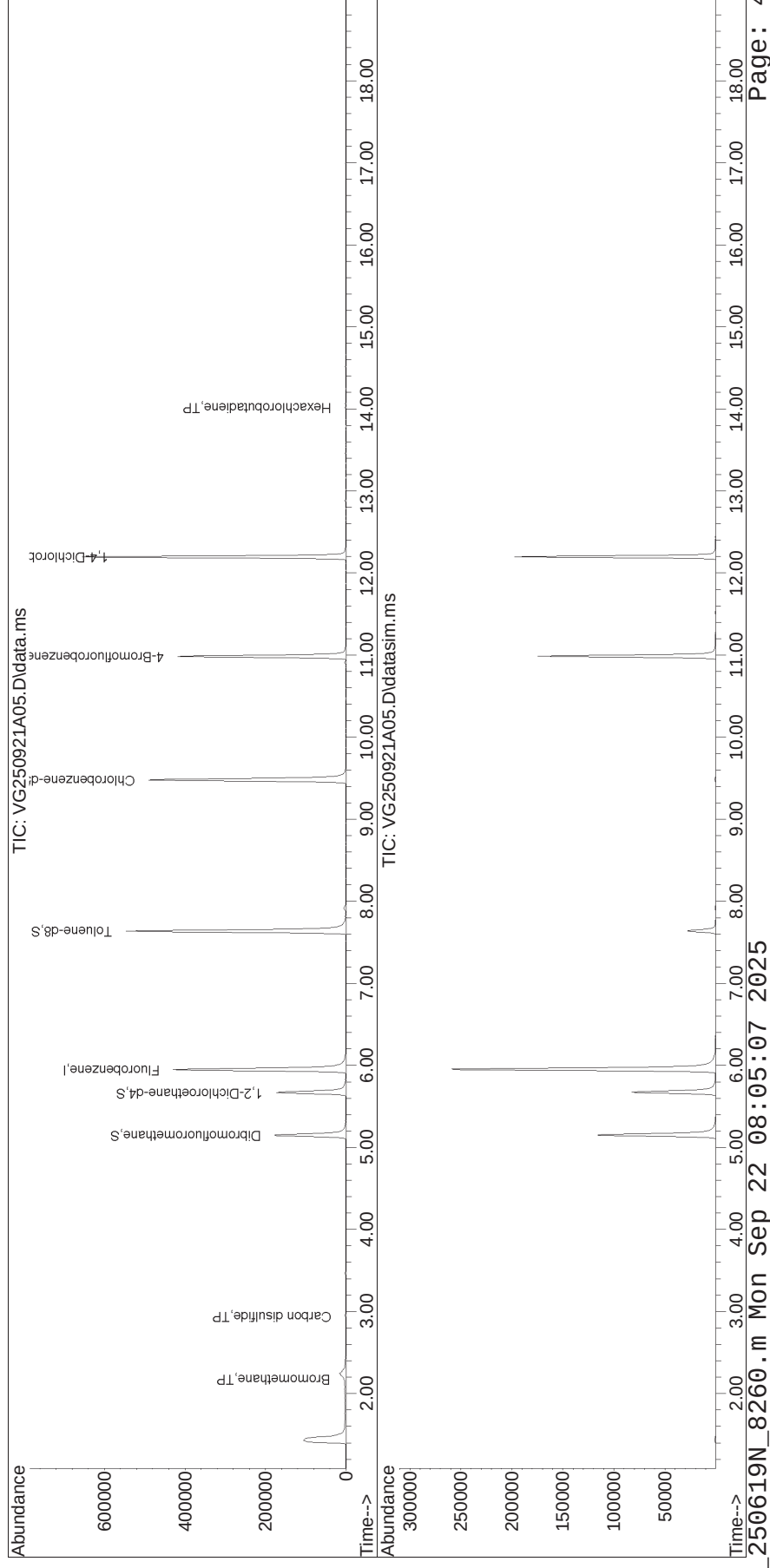
(#) = qualifier out of range (m) = manual integration (+) = signals summed

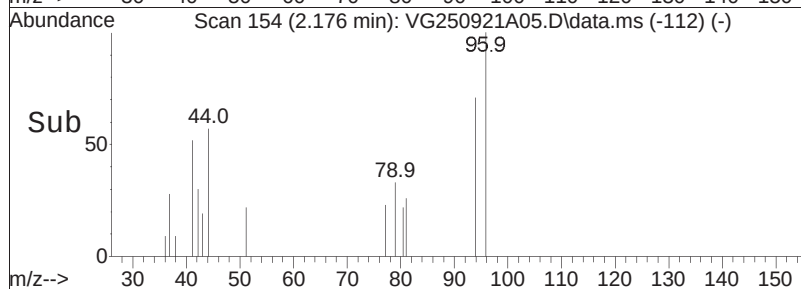
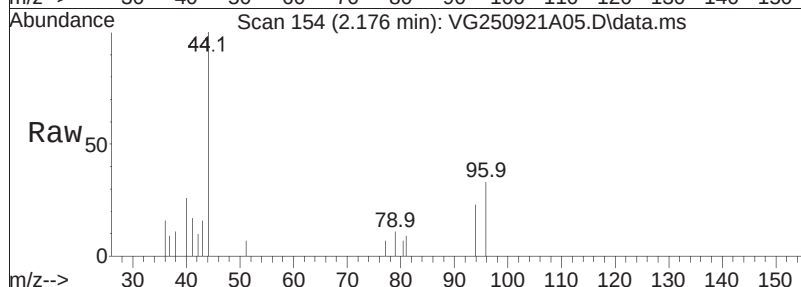
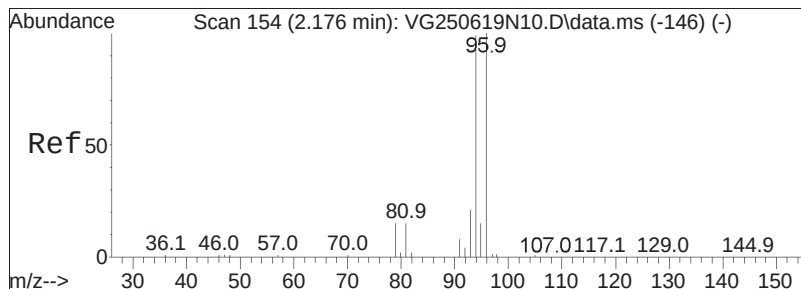
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
Data File : VG250921A05.D
Acq On : 21 Sep 2025 10:43 am
Operator : GONZO:PID
Sample : WG2117843-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 21 11:04:23 2025
Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

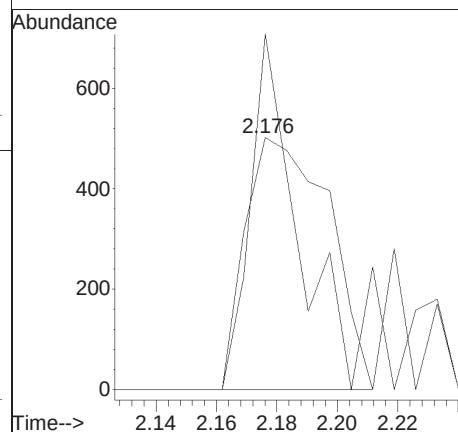
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

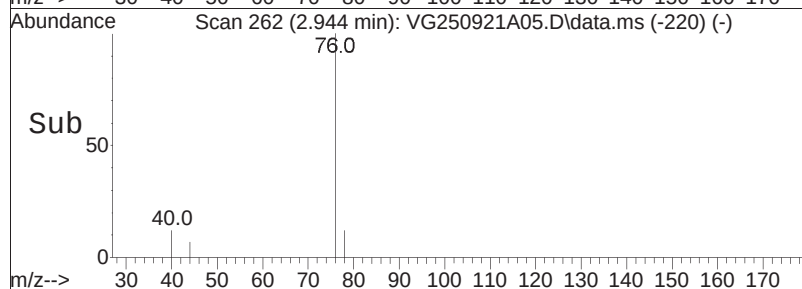
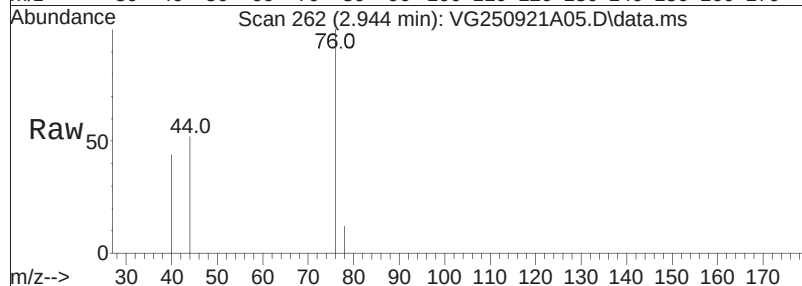
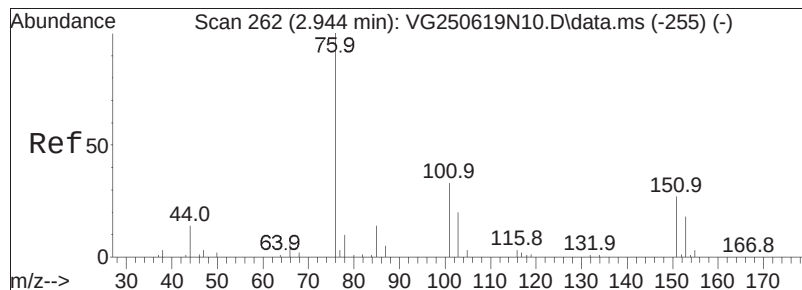




#5
 Bromomethane
 Concen: 0.13 ug/L
 RT: 2.176 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VG250921A05.D
 Acq: 21 Sep 2025 10:43 am

Tgt Ion: 94 Resp: 963
 Ion Ratio Lower Upper
 94 100
 96 79.2 75.8 115.8





#11

Carbon disulfide

Concen: 0.12 ug/L

RT: 2.944 min Scan# 262

Delta R.T. 0.000 min

Lab File: VG250921A05.D

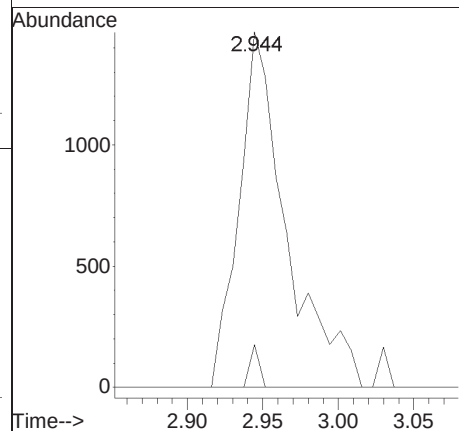
Acq: 21 Sep 2025 10:43 am

Tgt Ion: 76 Resp: 3214

Ion Ratio Lower Upper

76 100

78 2.4 6.3 13.1#



Manual Integration Report

Data Path	: K:\Gonzo\2025\250921A\	QMethod	: G_250619N_8260.m
Data File	: VG250921A05.D	Operator	: GONZO:PID
Date Inj'd	: 9/21/2025 10:43 am	Instrument	: Gonzo
Sample	: WG2117843-5,31,10,10	Quant Date	: 9/21/2025 11:04 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A01.D
 Acq On : 11 Sep 2025 7:20 am
 Operator : GONZO:PID
 Sample : WG2113862-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:42:51 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.949	96	503476	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.477	117	390080	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.191	152	223601	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.143	113	132940	10.172	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	101.72%	
43) 1,2-Dichloroethane-d4	5.667	65	147111	10.995	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	109.95%	
60) Toluene-d8	7.629	98	503619	10.394	ug/L	-0.01
Spiked Amount	10.000	Range 70 - 130	Recovery	=	103.94%	
83) 4-Bromofluorobenzene	10.981	95	177249	9.611	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	96.11%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	104371	9.460	ug/L	100
3) Chloromethane	1.820	50	102416	9.938	ug/L	98
4) Vinyl chloride	1.870	62	109723	9.678	ug/L	99
5) Bromomethane	2.169	94	30766	3.957	ug/L	100
6) Chloroethane	2.275	64	92394	12.008	ug/L	95
7) Trichlorofluoromethane	2.418	101	144651	9.544	ug/L	99
10) 1,1-Dichloroethene	2.909	96	85652	9.394	ug/L	85
11) Carbon disulfide	2.944	76	284322	10.295	ug/L	99
12) Freon-113	2.944	101	93983	10.316	ug/L	98
15) Methylene chloride	3.464	84	105368	9.500	ug/L	89
17) Acetone	3.506	43	22450	10.416	ug/L	# 88
18) trans-1,2-Dichloroethene	3.606	96	97576	9.876	ug/L	91
19) Methyl acetate	3.620	43	52212	10.278	ug/L	95
20) Methyl tert-butyl ether	3.698	73	270623	9.404	ug/L	94
23) 1,1-Dichloroethane	4.189	63	195484	11.188	ug/L	100
28) cis-1,2-Dichloroethene	4.701	96	110616	9.617	ug/L	88
30) Bromochloromethane	4.901	128	53715	9.976	ug/L	# 87
31) Cyclohexane	4.886	56	160579	10.543	ug/L	96
32) Chloroform	4.972	83	180973	10.066	ug/L	95
34) Carbon tetrachloride	5.093	117	133050	9.266	ug/L	# 94
37) 1,1,1-Trichloroethane	5.164	97	152539	9.695	ug/L	97
39) 2-Butanone	5.263	43	35414	10.855	ug/L	# 79
41) Benzene	5.526	78	411983	10.492	ug/L	98
44) 1,2-Dichloroethane	5.738	62	133843	10.398	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A01.D
 Acq On : 11 Sep 2025 7:20 am
 Operator : GONZO:PID
 Sample : WG2113862-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 07:42:51 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47)	Methyl cyclohexane	6.105	83	137799	9.791	ug/L	96
48)	Trichloroethene	6.126	95	108189	10.057	ug/L	99
51)	1,2-Dichloropropane	6.669	63	104950	10.400	ug/L	96
54)	Bromodichloromethane	6.740	83	140218	9.833	ug/L	99
58)	cis-1,3-Dichloropropene	7.431	75	159525	9.553	ug/L	93
61)	Toluene	7.692	92	257395	10.305	ug/L	100
62)	4-Methyl-2-pentanone	8.130	58	25614	8.404	ug/L	75
63)	Tetrachloroethene	8.137	166	113137	9.793	ug/L	96
65)	trans-1,3-Dichloropropene	8.179	75	134593	9.340	ug/L	93
68)	1,1,2-Trichloroethane	8.370	83	71185	9.608	ug/L	97
69)	Chlorodibromomethane	8.581	129	107838	9.109	ug/L	98
71)	1,2-Dibromoethane	8.856	107	84702	8.998	ug/L	99
72)	2-Hexanone	9.139	43	45430	8.981	ug/L	91
73)	Chlorobenzene	9.498	112	306160	10.348	ug/L	99
74)	Ethylbenzene	9.534	91	483961	10.120	ug/L	100
76)	p/m Xylene	9.717	106	381279	20.021	ug/L	98
77)	o Xylene	10.261	106	373003	19.534	ug/L	99
78)	Styrene	10.331	104	627016	19.137	ug/L	100
80)	Bromoform	10.366	173	68357	8.133	ug/L	99
82)	Isopropylbenzene	10.649	105	455497	10.005	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.229	83	104273	8.854	ug/L	99
100)	1,3-Dichlorobenzene	12.113	146	248456	9.824	ug/L	99
101)	1,4-Dichlorobenzene	12.205	146	257697	9.923	ug/L	99
104)	1,2-Dichlorobenzene	12.629	146	233304	9.659	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.414	155	14898	6.940	ug/L	96
109)	1,2,4-Trichlorobenzene	14.037	180	113637	8.311	ug/L	100
111)	1,2,3-Trichlorobenzene	14.504	180	78206	7.437	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

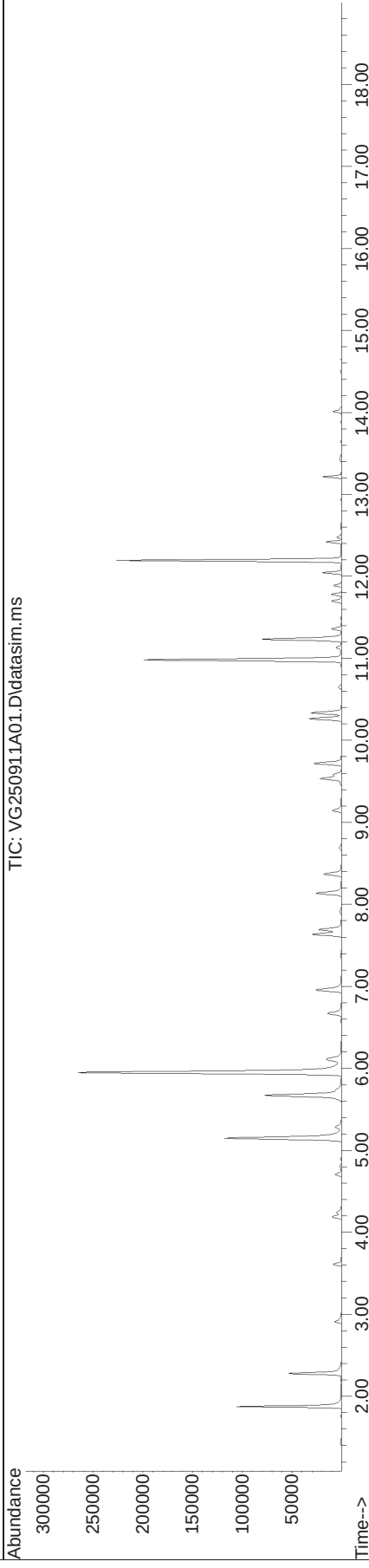
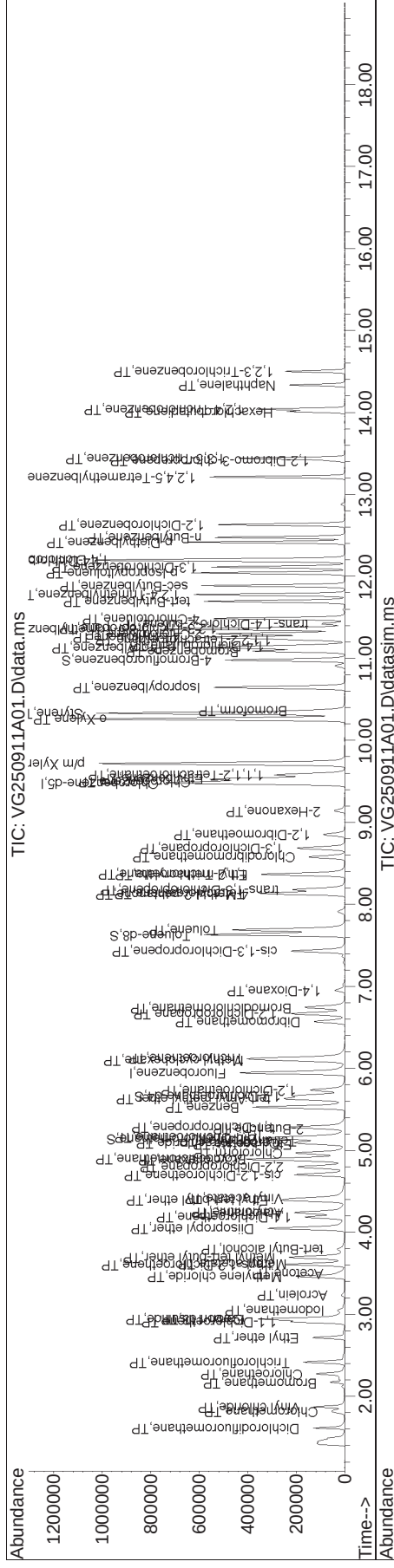
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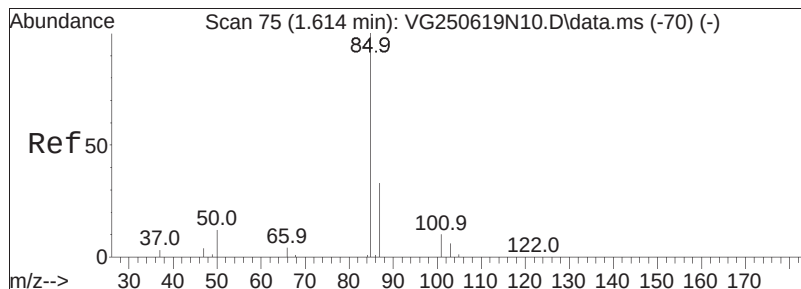
Data Path      : K:\Gonzo\2025\250911A\
Data File     : VG250911A01.D
Acq On       : 11 Sep 2025   7:20 am
Operator      : GONZO:PID
Sample        : WG2113862-3,31,10,10 (
Misc          : WG2113862,ICAL22400 (S
ALS Vial      : 1 Sample Multiplier:

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Quant Time: Sep 11 07:42:51 2025
Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

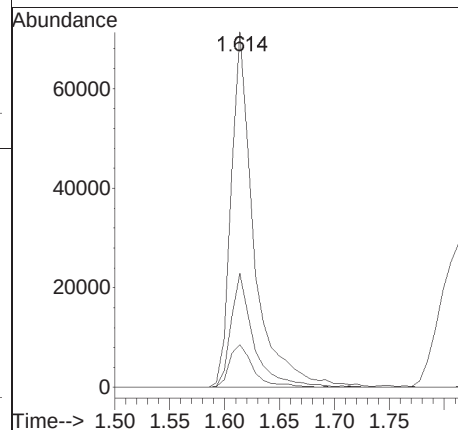
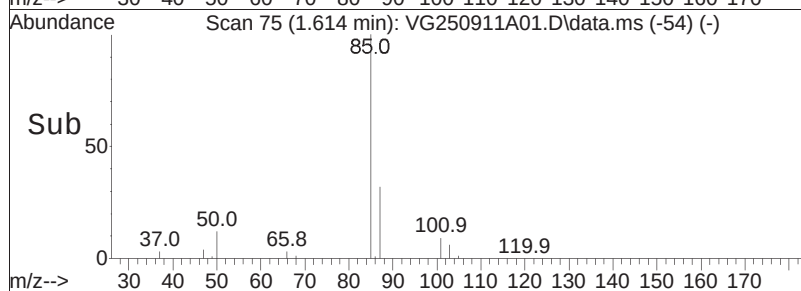
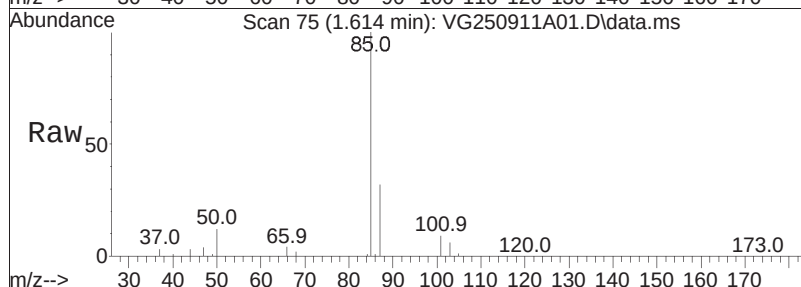
Sub List : 8260-Curve-2CEVE - Megamix+Diox - 2CEVE

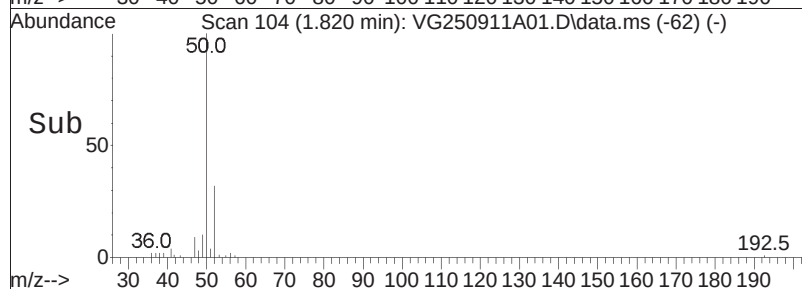
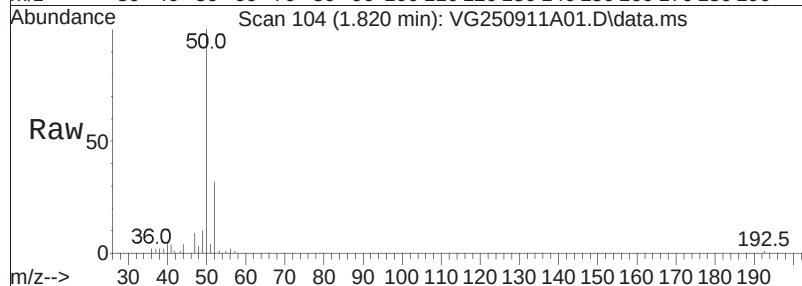
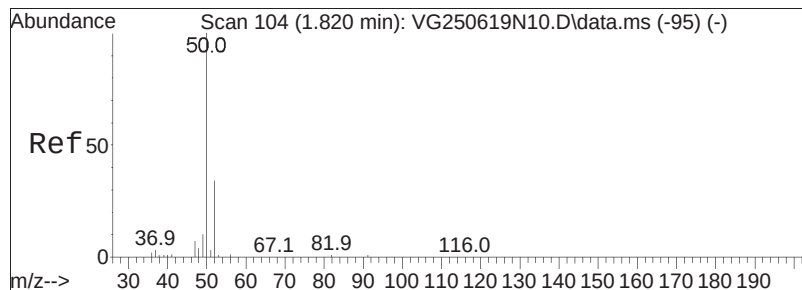




#2
 Dichlorodifluoromethane
 Concen: 9.46 ug/L
 RT: 1.614 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

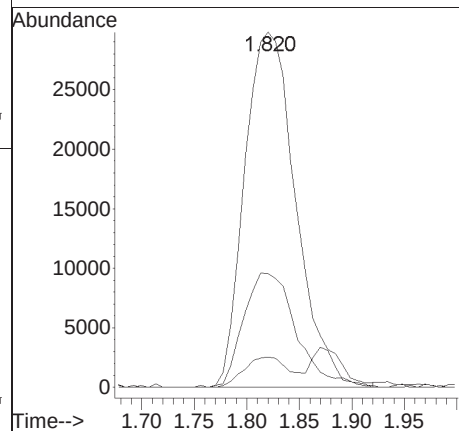
Tgt Ion	85	Resp	104371
Ion Ratio	Lower	Upper	
85	100		
87	31.9	20.7	42.9
50	12.7	8.1	16.7

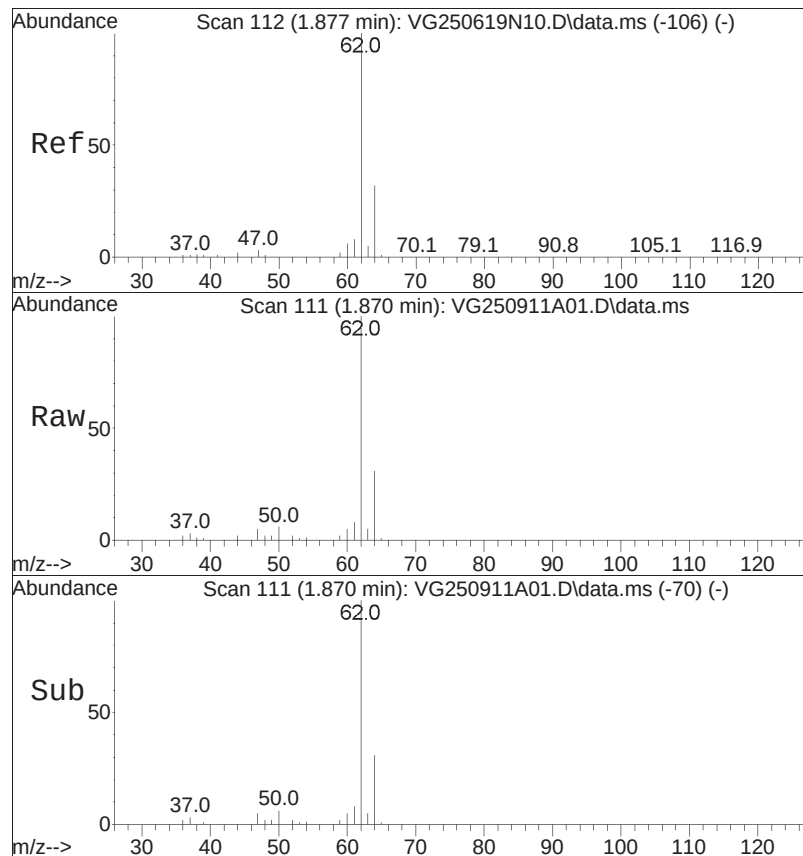




#3
 Chloromethane
 Concen: 9.94 ug/L
 RT: 1.820 min Scan# 104
 Delta R.T. -0.000 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

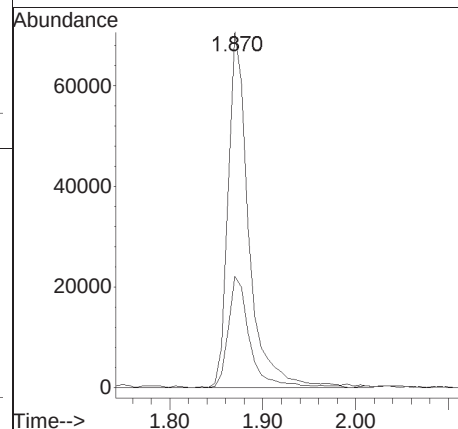
Tgt	Ion: 50	Resp:	102416
Ion	Ratio	Lower	Upper
50	100		
52	32.8	11.6	51.6
47	7.8	0.0	26.4

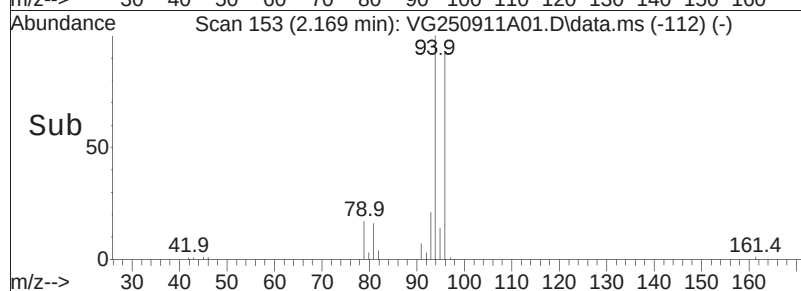
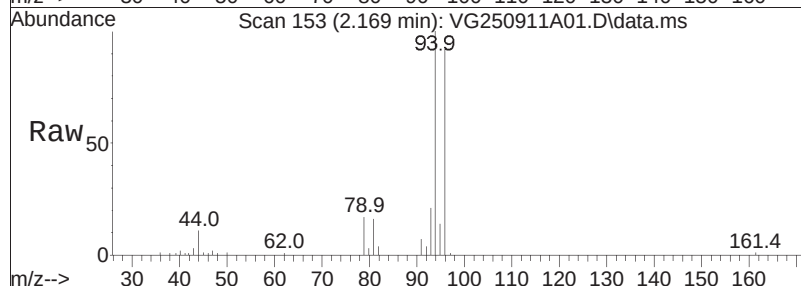
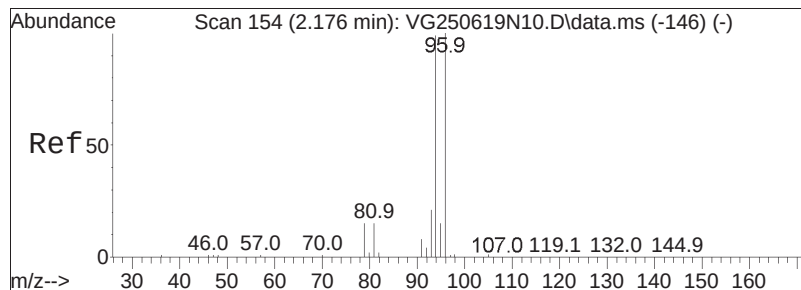




#4
 Vinyl chloride
 Concen: 9.68 ug/L
 RT: 1.870 min Scan# 111
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

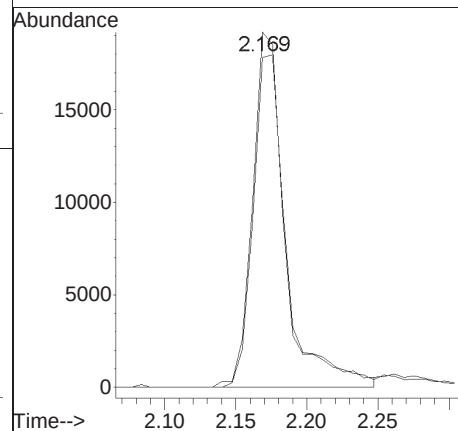
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.3	11.5	51.5

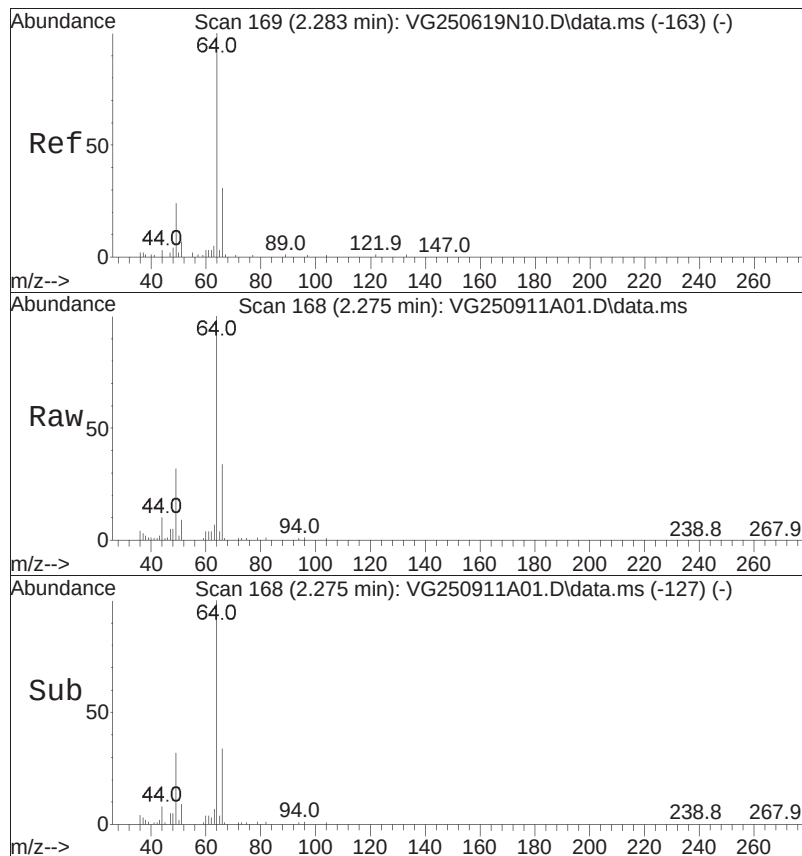




#5
 Bromomethane
 Concen: 3.96 ug/L
 RT: 2.169 min Scan# 153
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

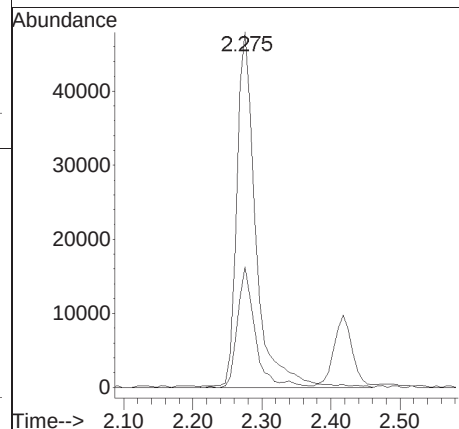
Tgt Ion	Ratio	Lower	Upper
94	100		
96	95.7	75.8	115.8

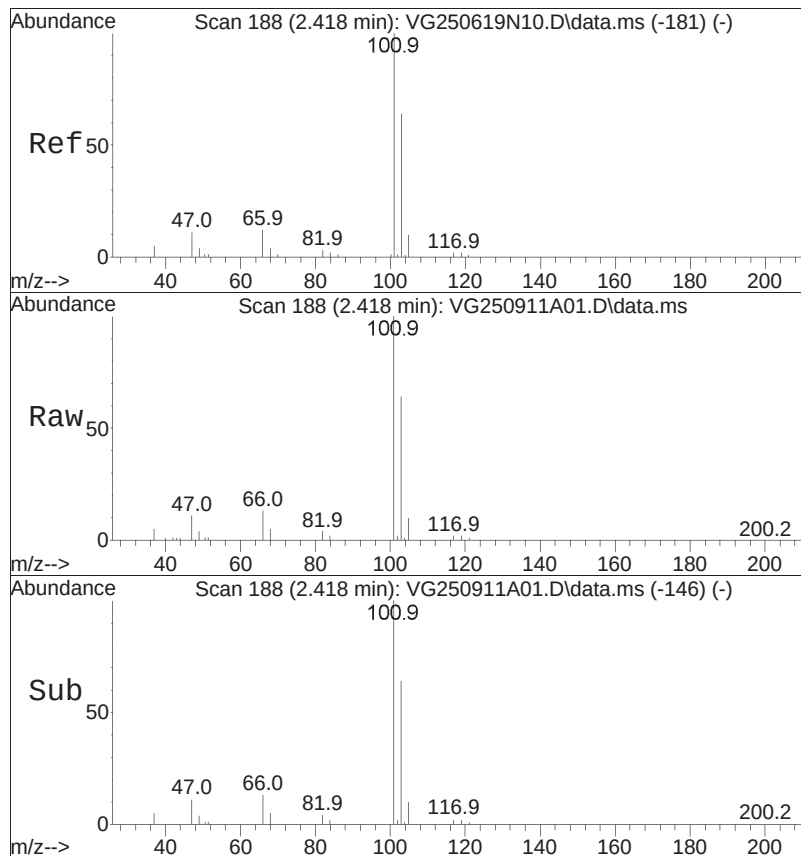




#6
 Chloroethane
 Concen: 12.01 ug/L
 RT: 2.275 min Scan# 168
 Delta R.T. -0.008 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

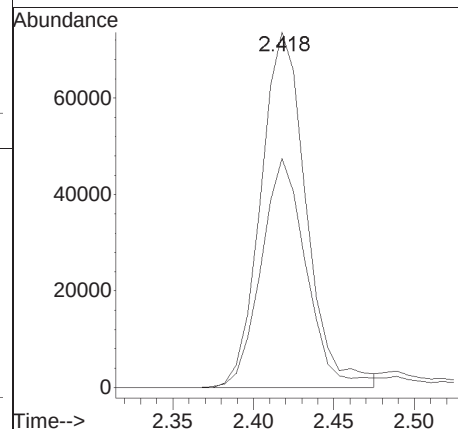
Tgt Ion:	64	Resp:	92394
Ion Ratio	Lower	Upper	
64	100		
66	29.9	12.9	52.9

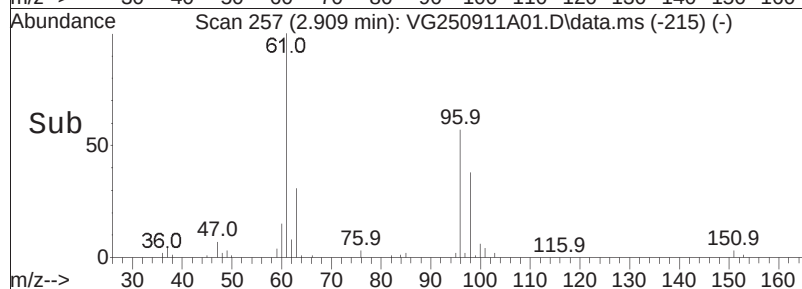
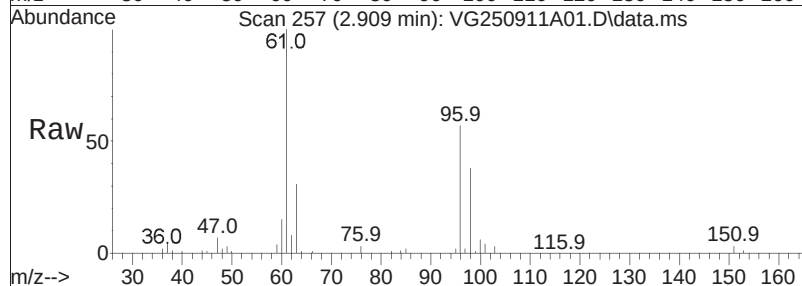
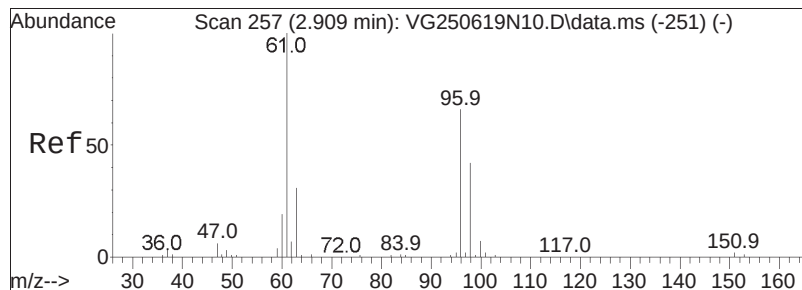




#7
 Trichlorofluoromethane
 Concen: 9.54 ug/L
 RT: 2.418 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

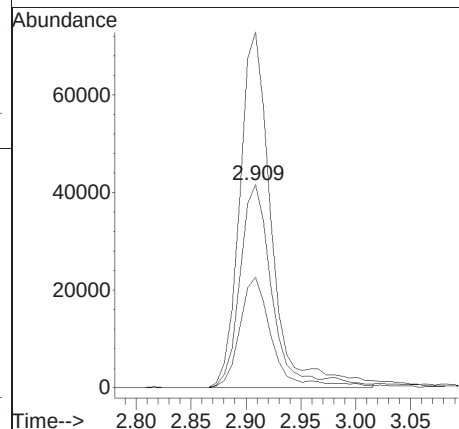
Tgt	Ion	Ratio	Resp	Lower	Upper
101	100		144651		
103	64.1	52.2	78.2		

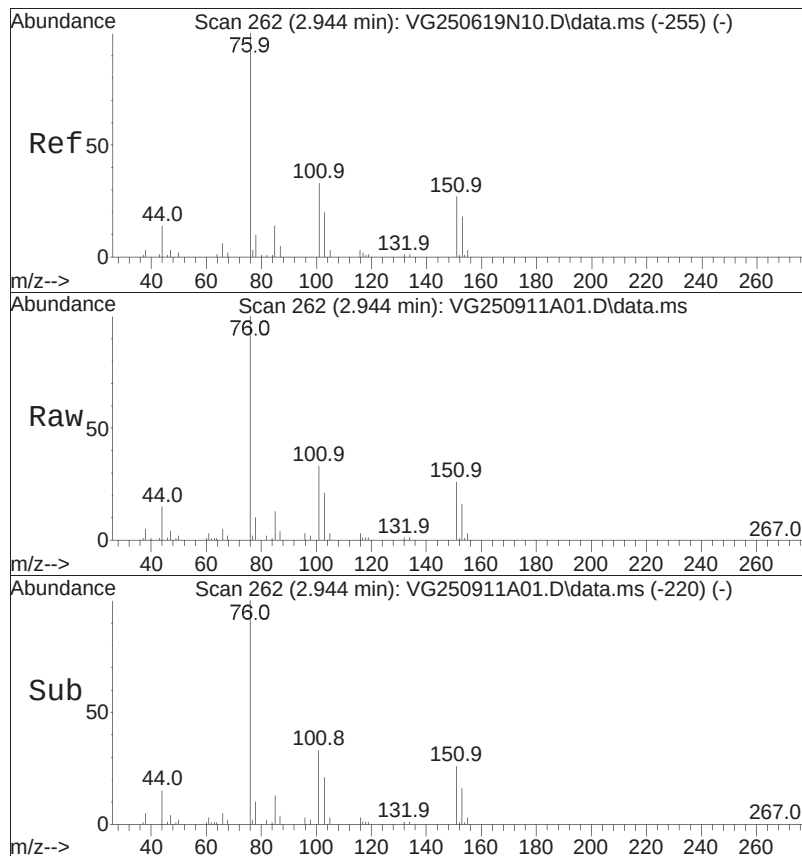




#10
 1,1-Dichloroethene
 Concen: 9.39 ug/L
 RT: 2.909 min Scan# 257
 Delta R.T. -0.000 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

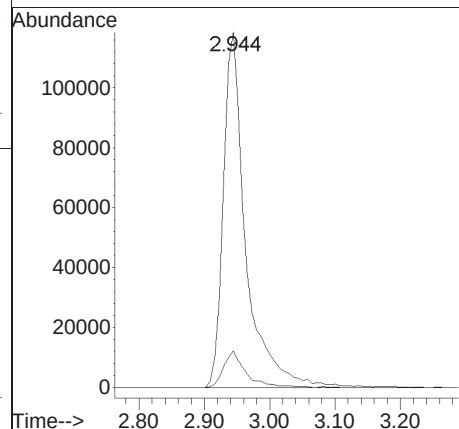
Tgt	Ion	Resp	Lower	Upper
96	100			
61	174.9	121.1	181.7	
63	52.0	38.5	57.7	

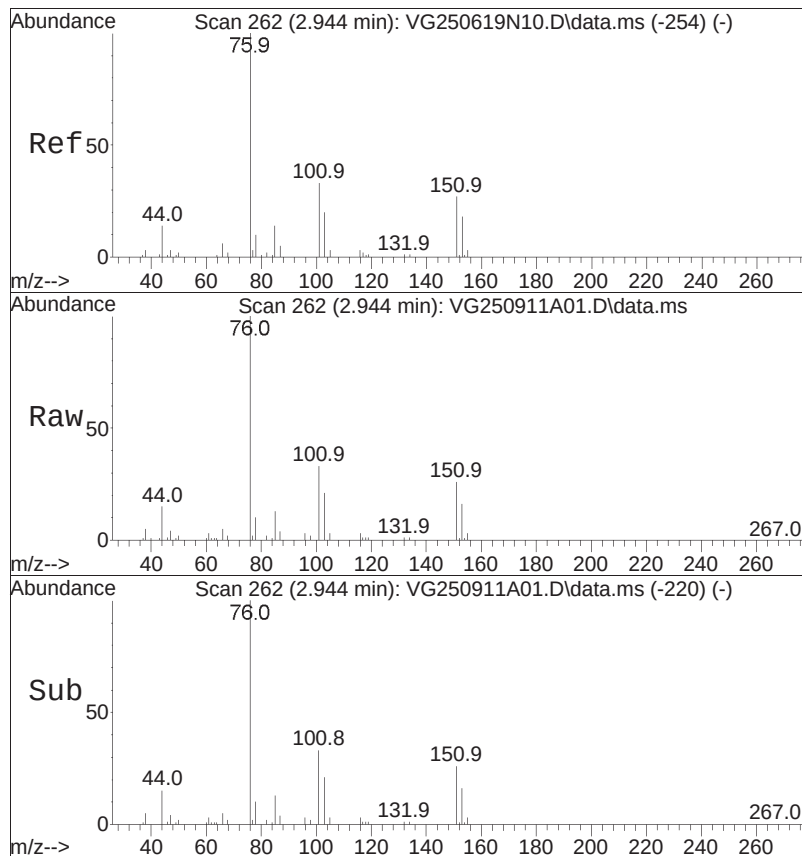




#11
 Carbon disulfide
 Concen: 10.30 ug/L
 RT: 2.944 min Scan# 262
 Delta R.T. 0.000 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

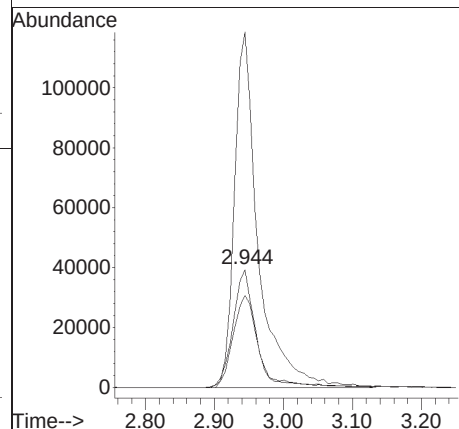
Tgt Ion:	76	78	Ratio	100	10.0	Resp:	284322	Lower	6.3	Upper	13.1
Ion	76	78	Ratio	100	10.0	Resp:	284322	Lower	6.3	Upper	13.1

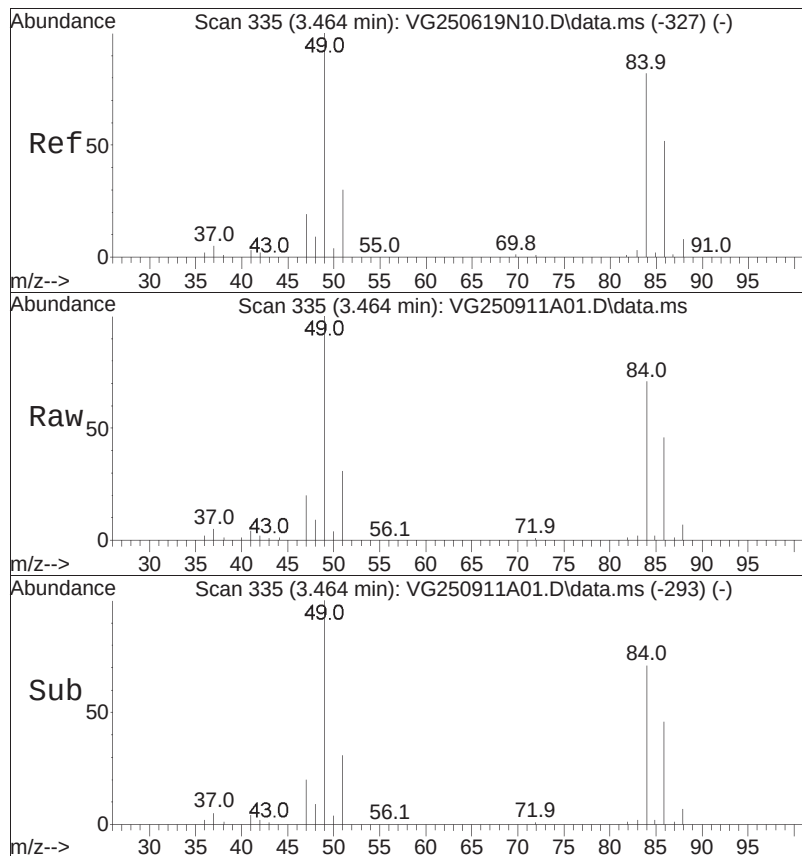




#12
 Freon-113
 Concen: 10.32 ug/L
 RT: 2.944 min Scan# 262
 Delta R.T. 0.000 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

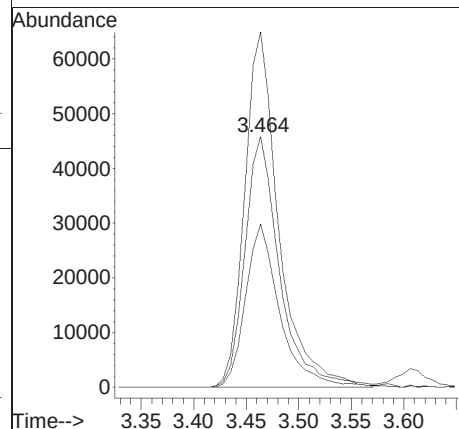
Tgt Ion	Ratio	Lower	Upper
101	100		
151	84.0	68.3	102.5
76	302.5	238.0	357.0

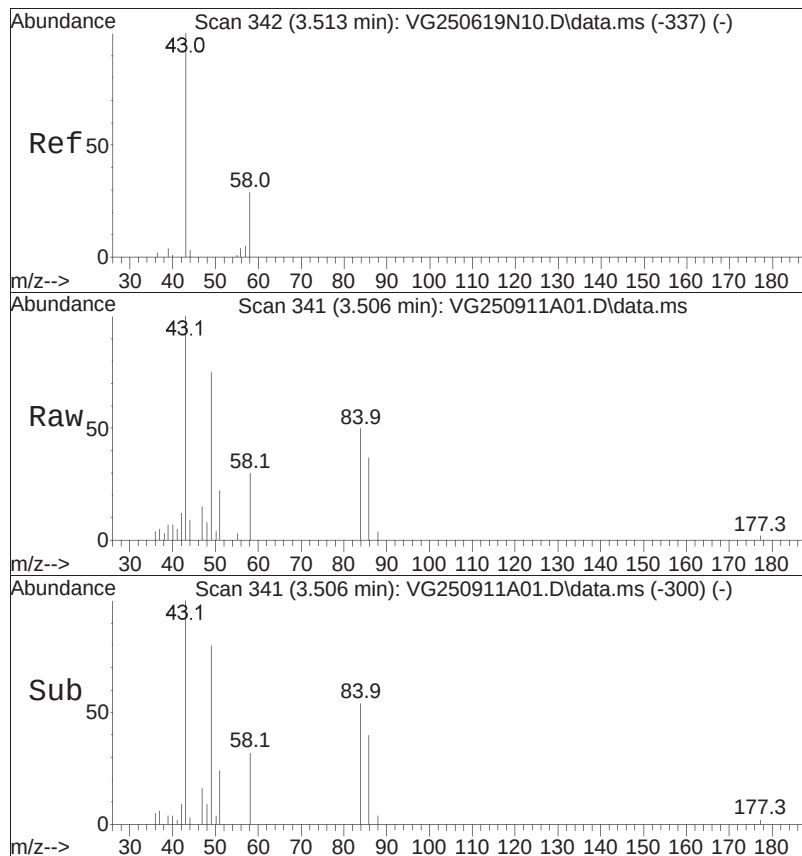




#15
 Methylene chloride
 Concen: 9.50 ug/L
 RT: 3.464 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

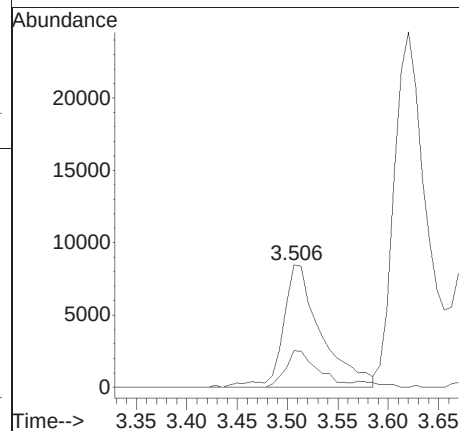
Tgt	Ion	Ratio	Lower	Upper
84	100			
86	64.9	41.7	86.7	
49	139.7	78.6	163.3	

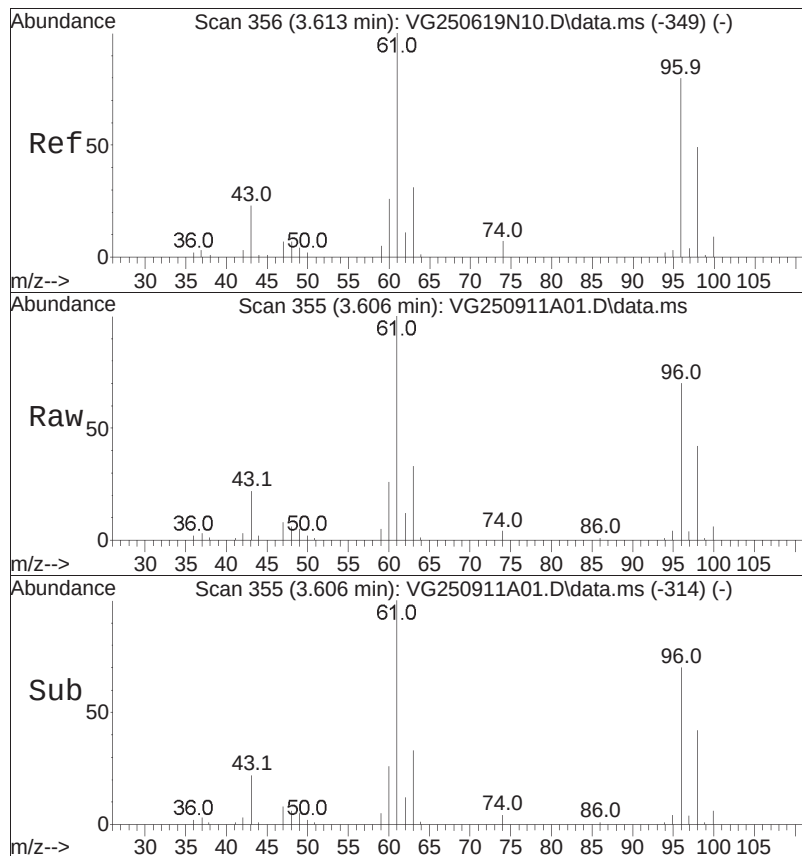




#17
 Acetone
 Concen: 10.42 ug/L
 RT: 3.506 min Scan# 341
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

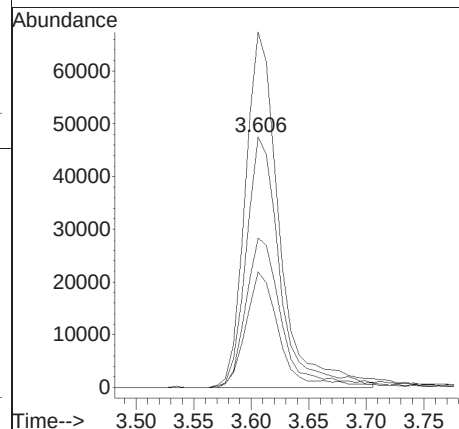
Tgt Ion:	43	58	Ratio	100	25.7	Resp:	22450	Lower	Upper

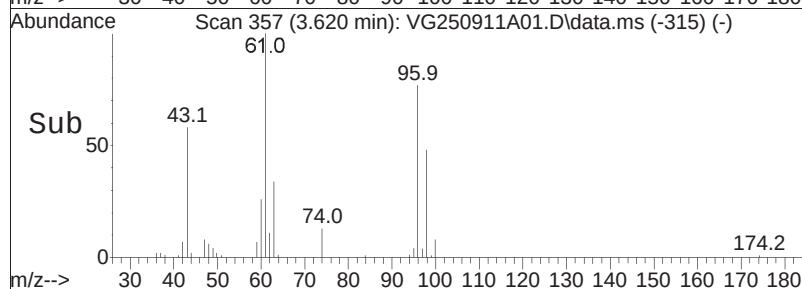
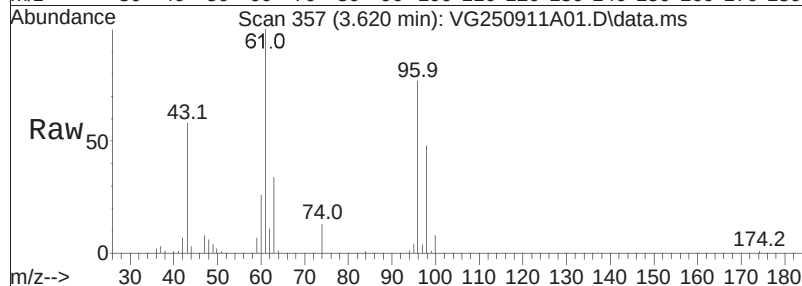
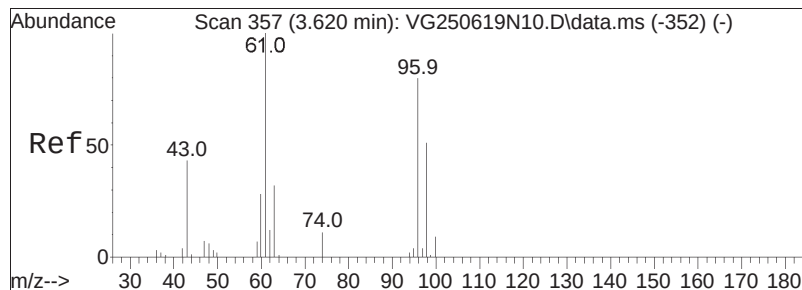




#18
 trans-1,2-Dichloroethene
 Concen: 9.88 ug/L
 RT: 3.606 min Scan# 355
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

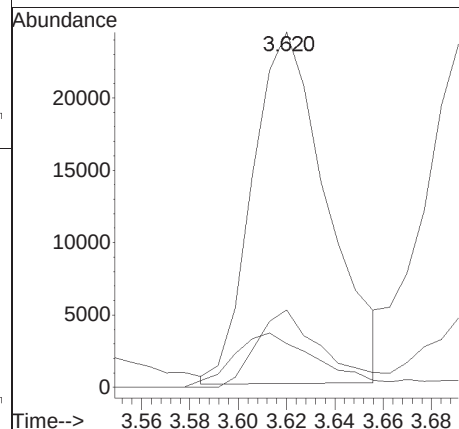
Tgt Ion:	96	Resp:	97576
Ion Ratio	Lower	Upper	
96	100		
61	146.3	85.7	177.9
98	64.5	42.8	88.8
63	46.2	26.5	55.1

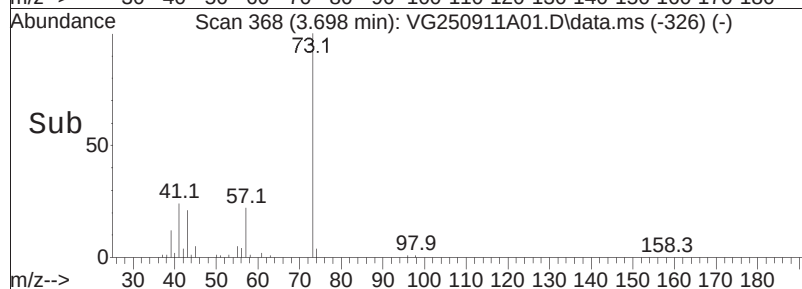
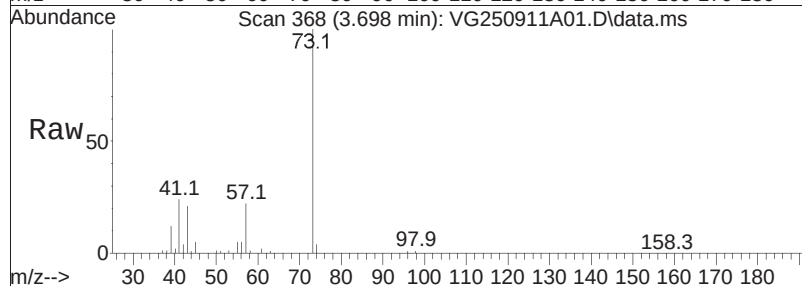
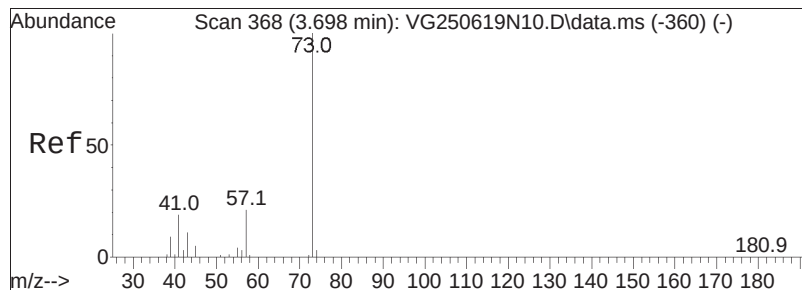




#19
Methyl acetate
Concen: 10.28 ug/L
RT: 3.620 min Scan# 357
Delta R.T. 0.000 min
Lab File: VG250911A01.D
Acq: 11 Sep 2025 7:20 am

Tgt Ion:	43	Resp:	52212
Ion Ratio	Lower	Upper	
43	100		
74	20.2	19.3	28.9
59	17.4	13.3	19.9





#20

Methyl tert-butyl ether

Concen: 9.40 ug/L

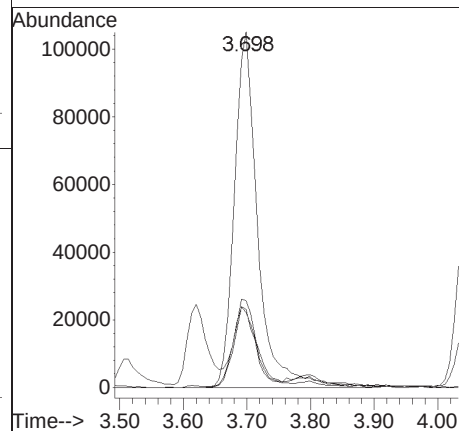
RT: 3.698 min Scan# 368

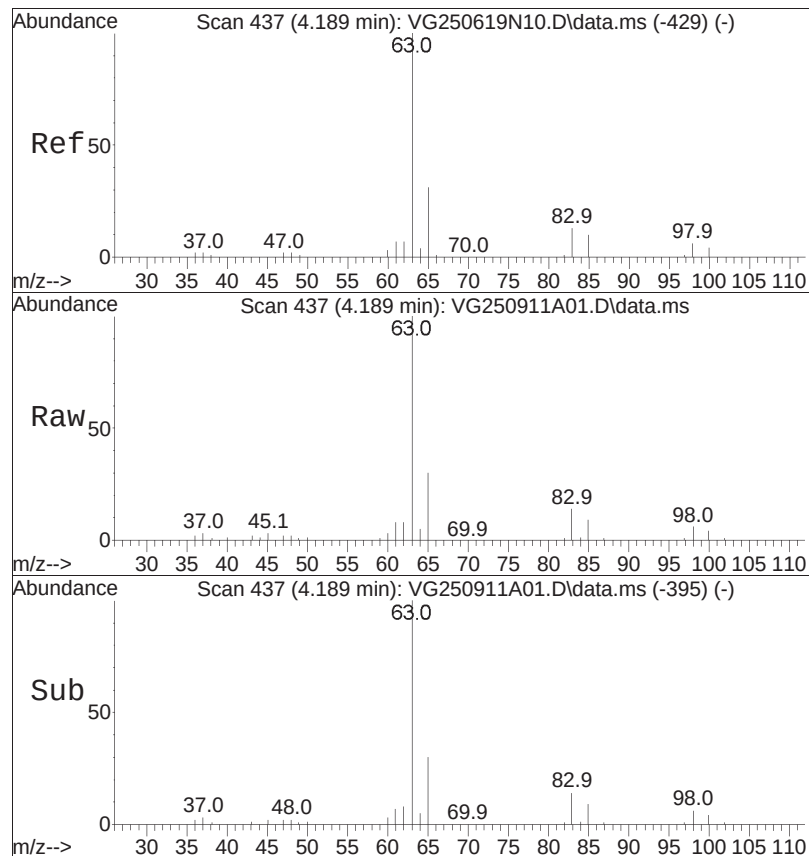
Delta R.T. 0.000 min

Lab File: VG250911A01.D

Acq: 11 Sep 2025 7:20 am

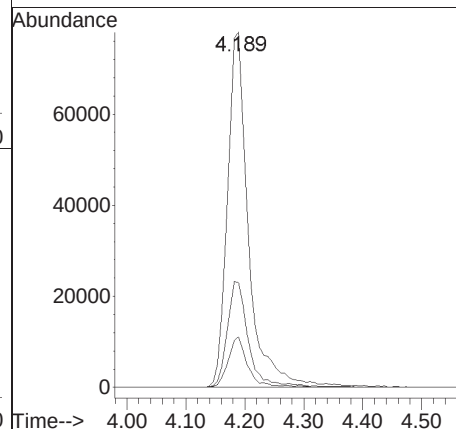
Tgt	Ion: 73	Resp:	270623
Ion	Ratio	Lower	Upper
73	100		
57	21.6	13.1	27.3
43	23.4	14.1	29.3
41	24.0	11.7	24.3

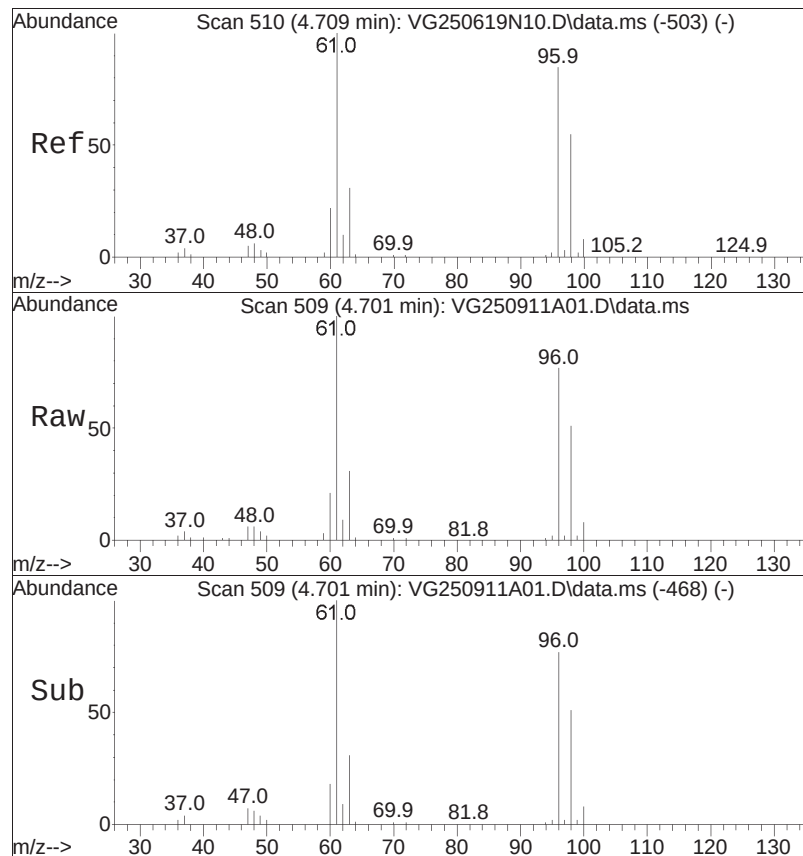




#23
 1,1-Dichloroethane
 Concen: 11.19 ug/L
 RT: 4.189 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

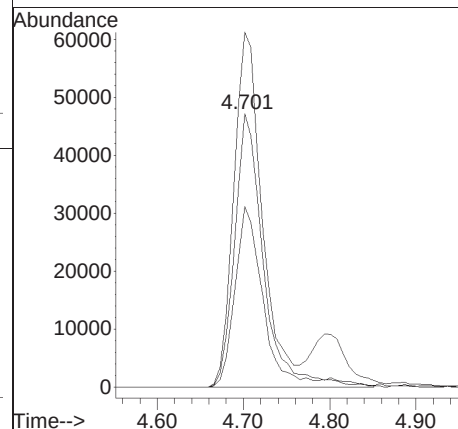
Tgt Ion:	63	65	83	Resp:	195484	Lower	Upper
Ratio	100	29.8	13.3				
		9.7	0.0				
		49.7	33.1				

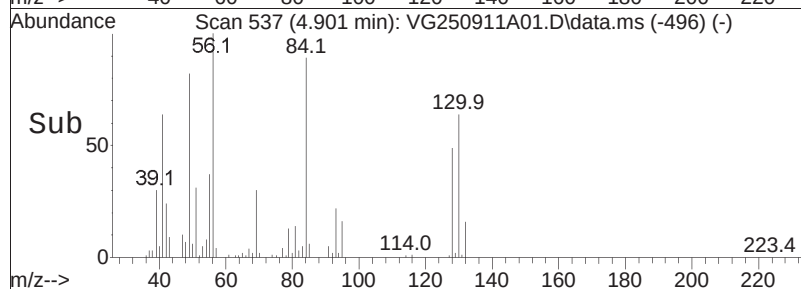
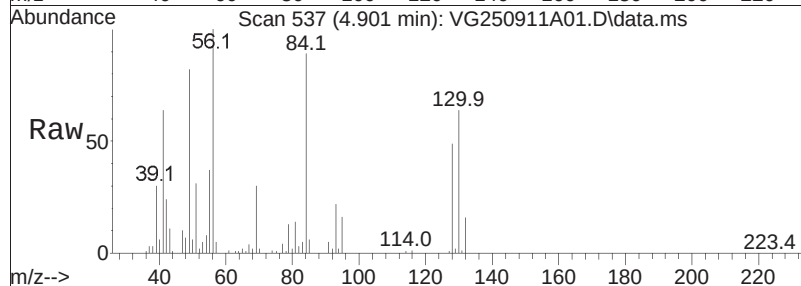
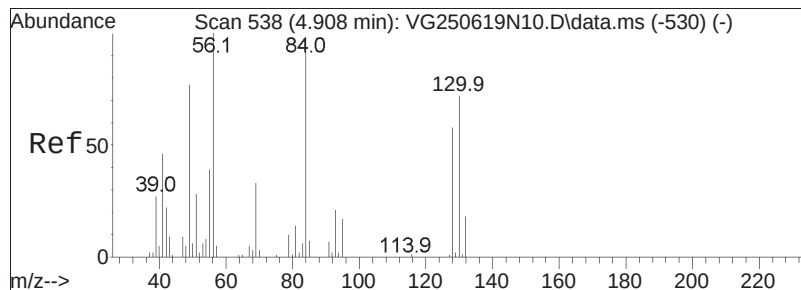




#28
 cis-1,2-Dichloroethene
 Concen: 9.62 ug/L
 RT: 4.701 min Scan# 509
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

Tgt Ion:	96	Resp:	110616
Ion Ratio	Lower	Upper	
96	100		
61	125.5	87.4	131.2
98	63.7	47.5	71.3





#30

Bromochloromethane

Concen: 9.98 ug/L

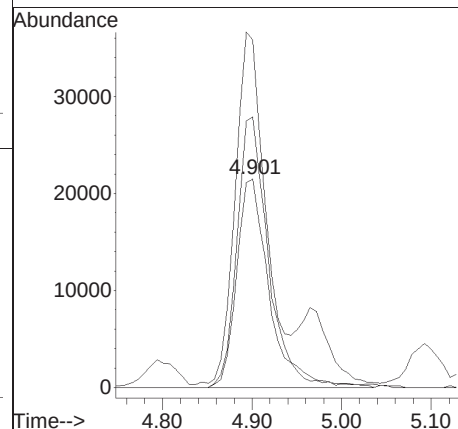
RT: 4.901 min Scan# 537

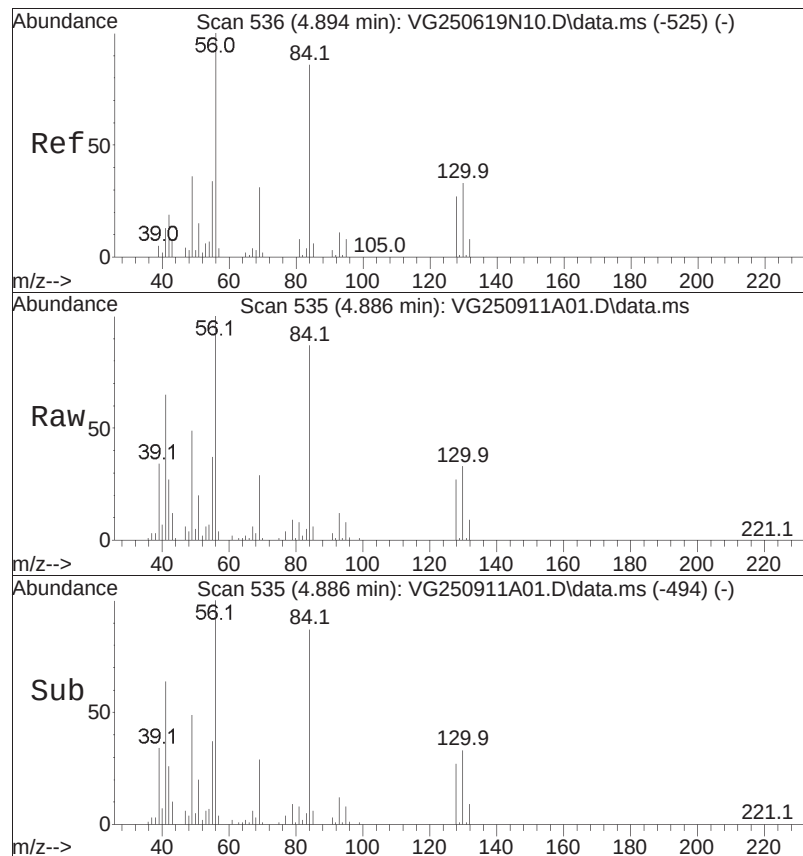
Delta R.T. -0.007 min

Lab File: VG250911A01.D

Acq: 11 Sep 2025 7:20 am

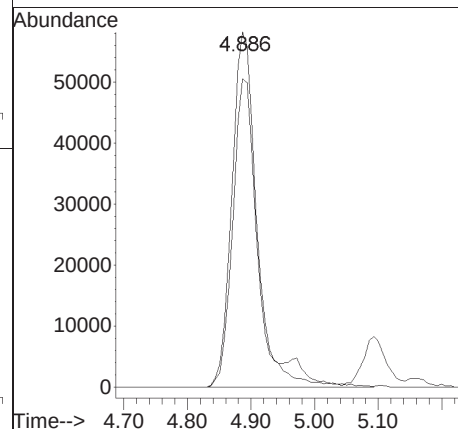
Tgt Ion:	128	Resp:	53715
Ion Ratio	Lower	Upper	
128	100		
49	160.3	105.7	158.5#
130	128.1	100.9	151.3

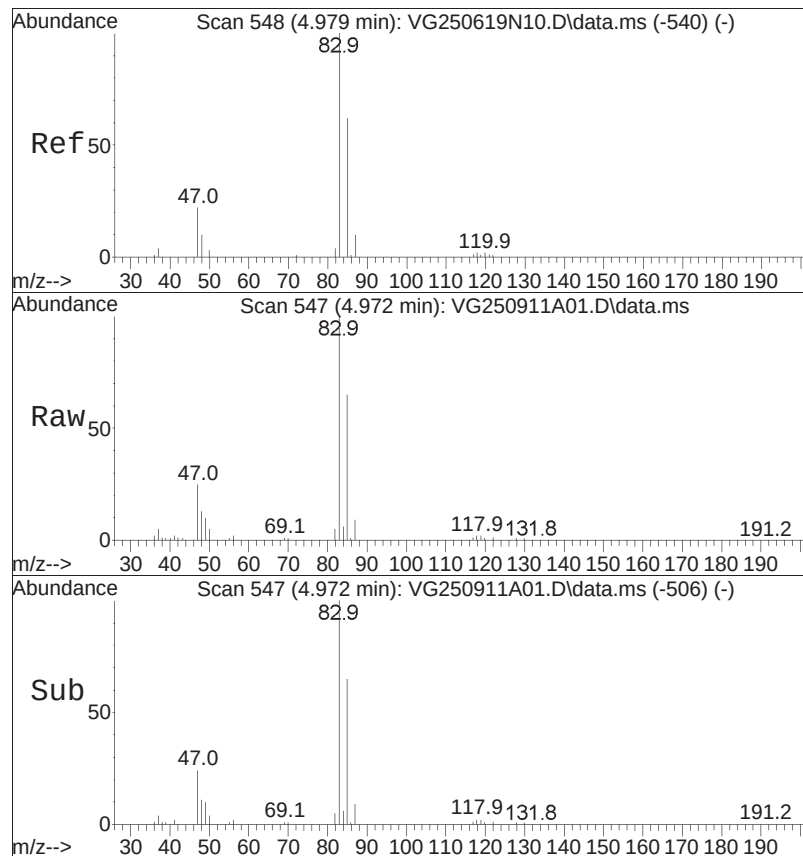




#31
Cyclohexane
Concen: 10.54 ug/L
RT: 4.886 min Scan# 535
Delta R.T. -0.007 min
Lab File: VG250911A01.D
Acq: 11 Sep 2025 7:20 am

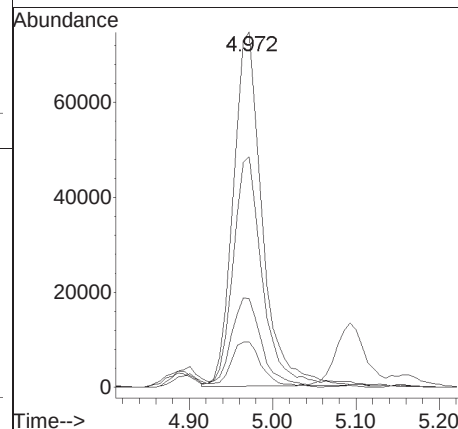
Tgt Ion	Ratio	Lower	Upper
56	100		
84	82.0	56.0	116.2

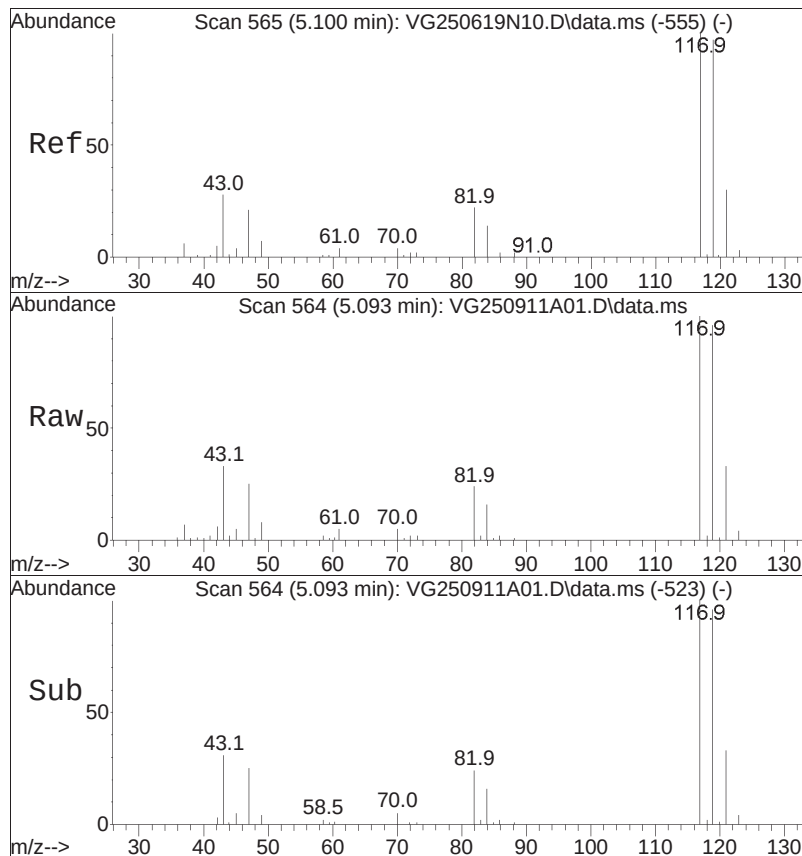




#32
 Chloroform
 Concen: 10.07 ug/L
 RT: 4.972 min Scan# 547
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

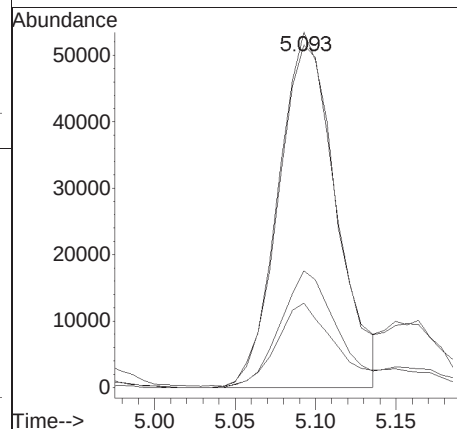
Tgt Ion: 83	Resp: 180973
Ion Ratio	Lower Upper
83 100	
85 65.9	40.8 84.6
47 24.4	13.5 28.1
48 14.0	7.2 15.0

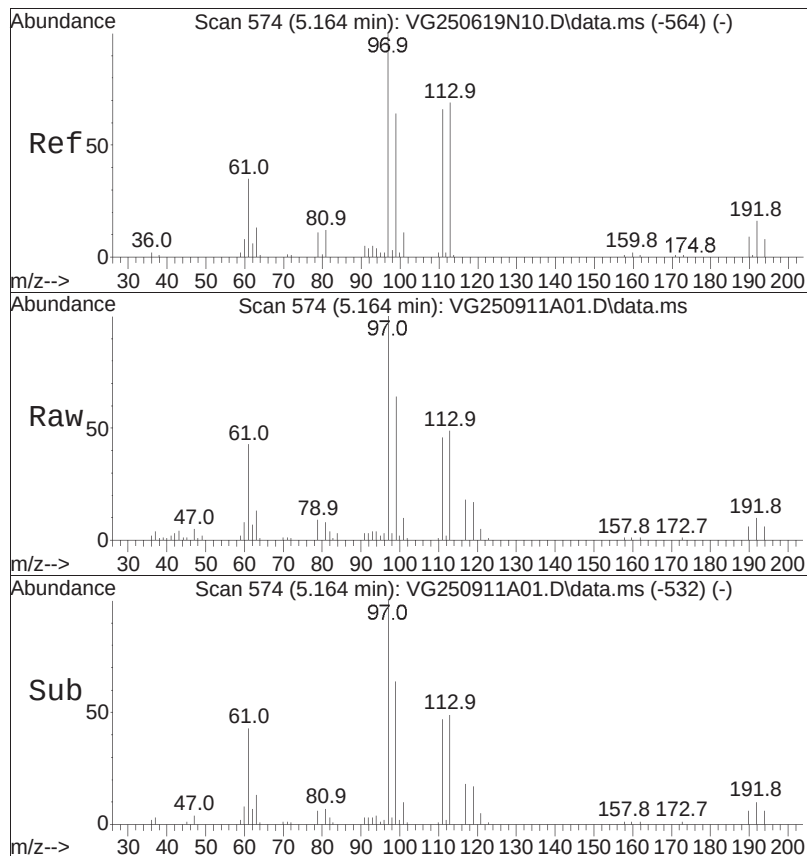




#34
 Carbon tetrachloride
 Concen: 9.27 ug/L
 RT: 5.093 min Scan# 564
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

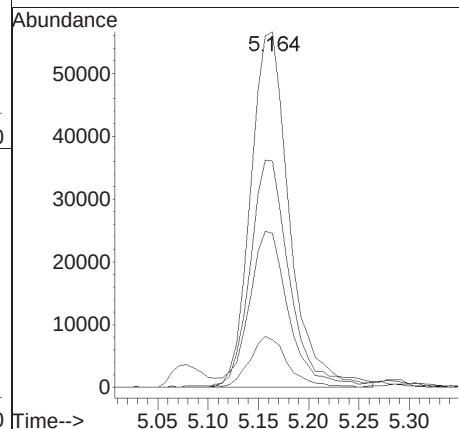
Tgt Ion:	117	Resp:	133050
Ion Ratio	Lower	Upper	
117	100		
119	97.8	60.6	125.8
121	31.9	19.9	41.3
82	29.9	13.8	28.8#

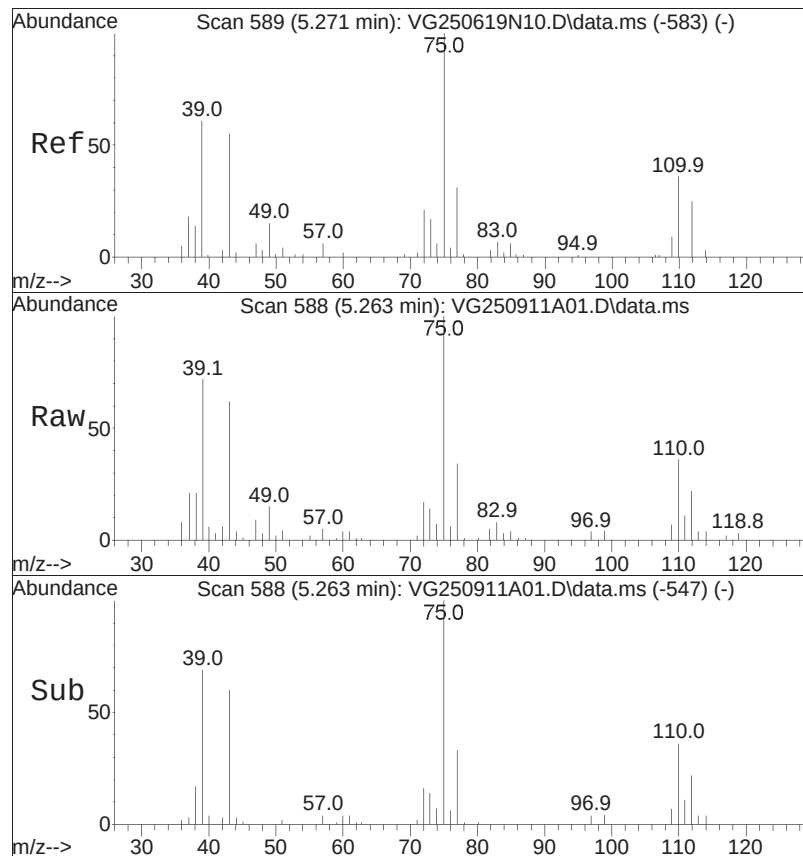




#37
 1,1,1-Trichloroethane
 Concen: 9.70 ug/L
 RT: 5.164 min Scan# 574
 Delta R.T. -0.000 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

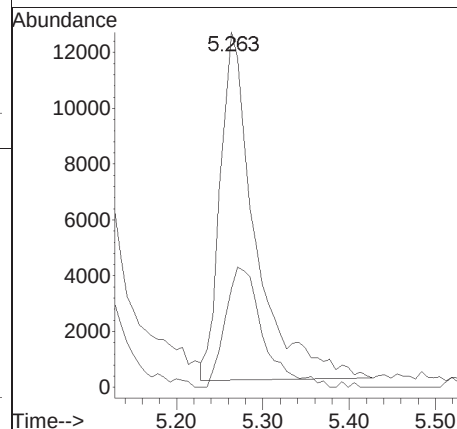
Tgt Ion:	97	Resp:	152539
Ion	Ratio	Lower	Upper
97	100		
99	64.3	41.0	85.0
61	44.8	26.7	55.4
63	14.0	8.6	17.8

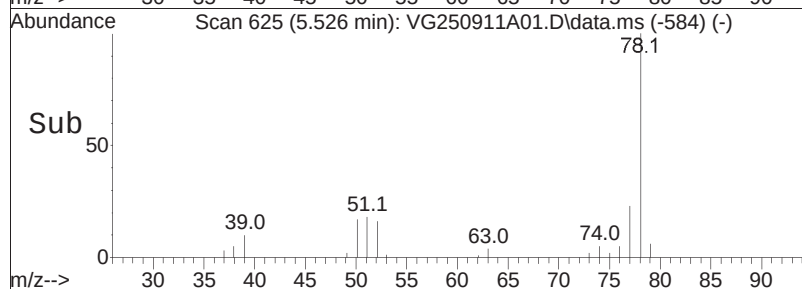
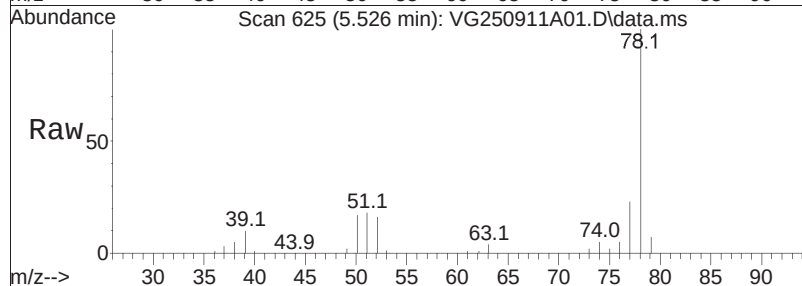
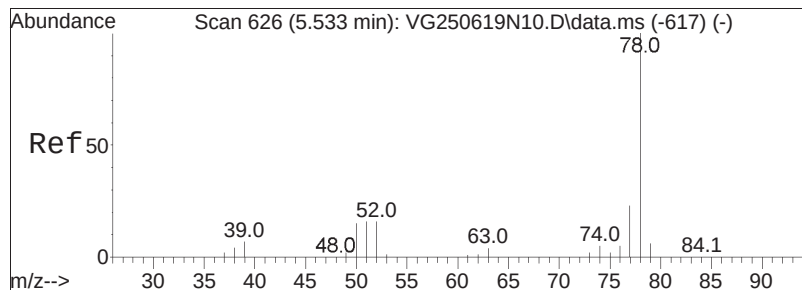




#39
 2-Butanone
 Concen: 10.86 ug/L
 RT: 5.263 min Scan# 588
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

Tgt Ion:	43	72	Ratio	100	37.2	Resp:	35414	Lower	41.3	Upper	61.9#





#41

Benzene

Concen: 10.49 ug/L

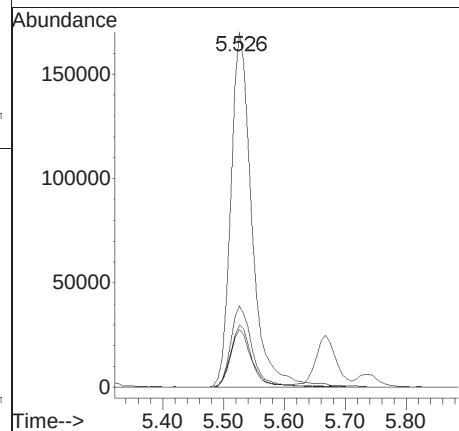
RT: 5.526 min Scan# 625

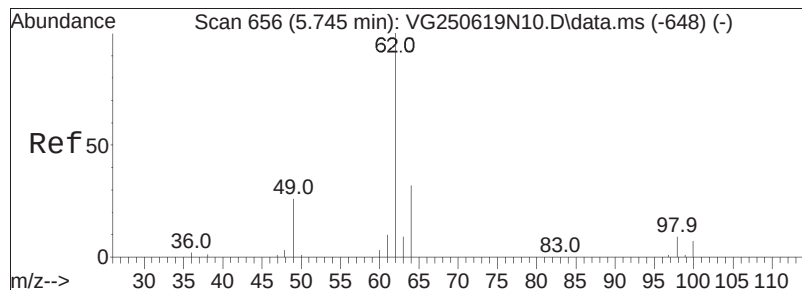
Delta R.T. -0.007 min

Lab File: VG250911A01.D

Acq: 11 Sep 2025 7:20 am

Tgt	Ion: 78	Resp:	411983
Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.1	31.3
51	17.5	10.3	21.3
52	16.3	9.9	20.7





#44

1,2-Dichloroethane

Concen: 10.40 ug/L

RT: 5.738 min Scan# 655

Delta R.T. -0.007 min

Lab File: VG250911A01.D

Acq: 11 Sep 2025 7:20 am

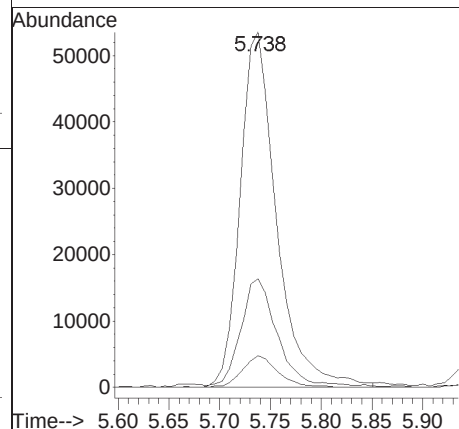
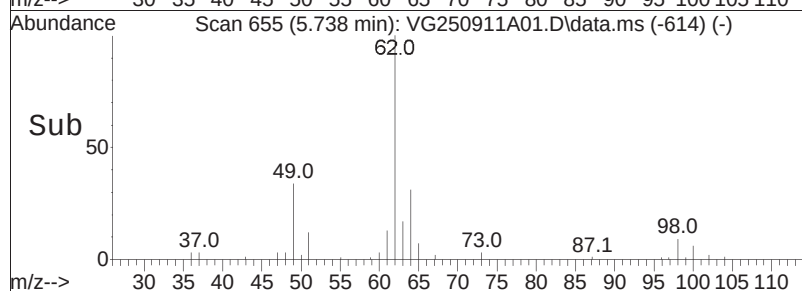
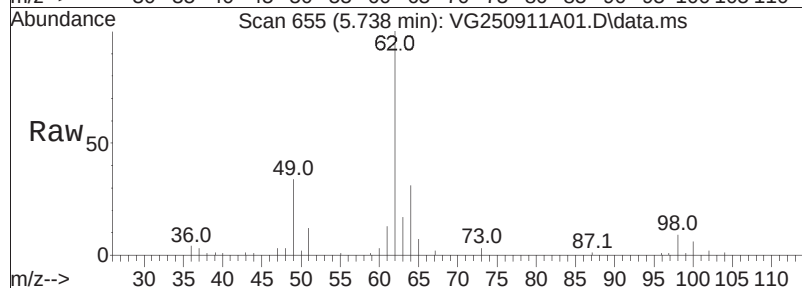
Tgt Ion: 62 Resp: 133843

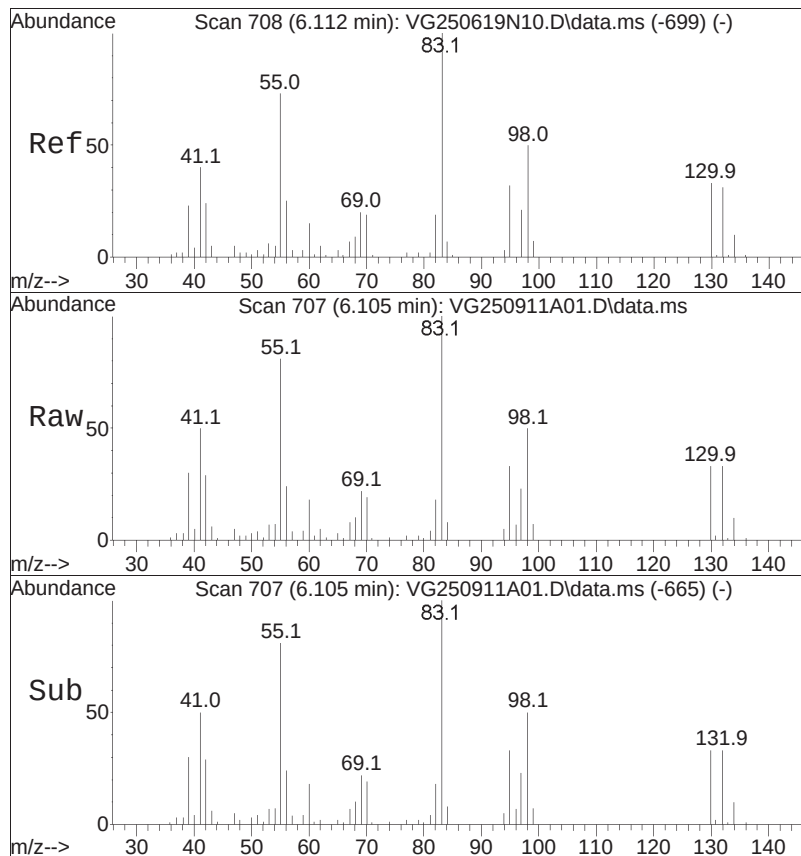
Ion Ratio Lower Upper

62 100

64 30.4 10.9 50.9

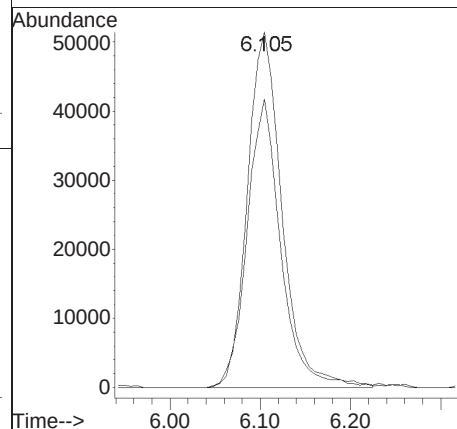
98 8.8 0.0 29.9

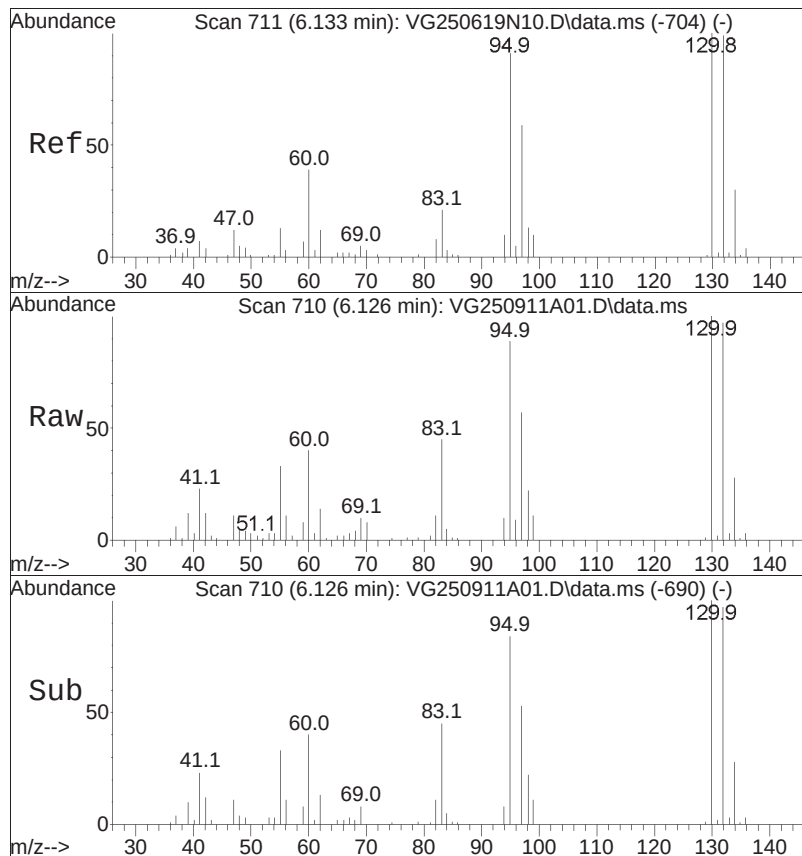




#47
 Methyl cyclohexane
 Concen: 9.79 ug/L
 RT: 6.105 min Scan# 707
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

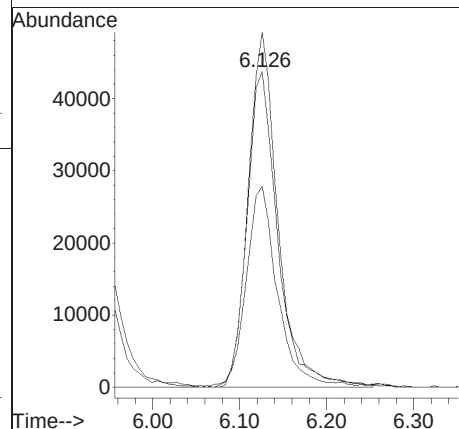
Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.5	59.9	89.9

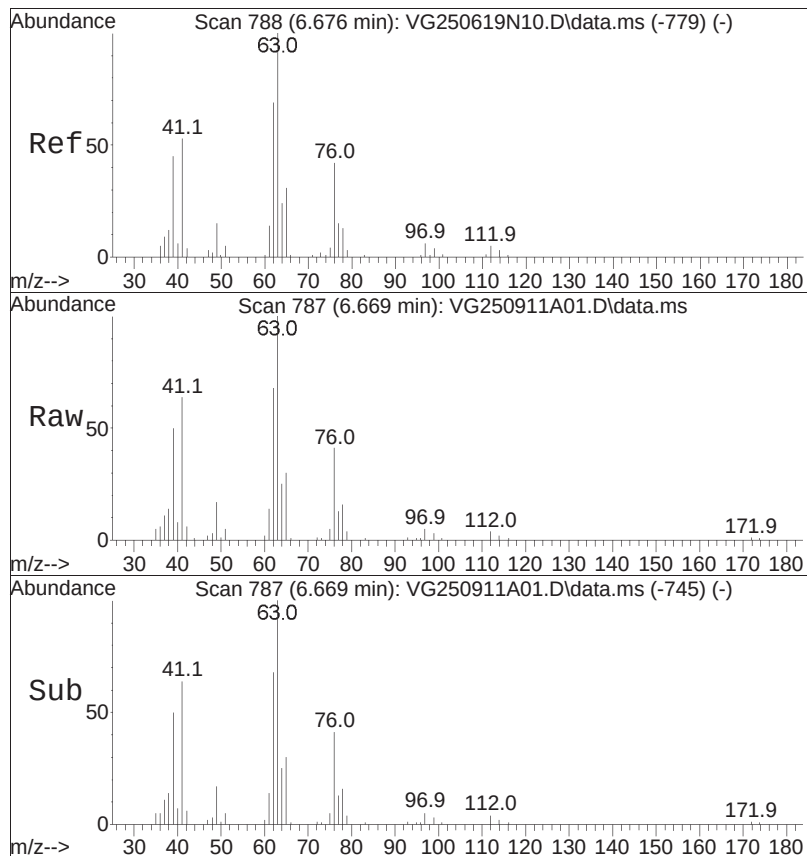




#48
 Trichloroethene
 Concen: 10.06 ug/L
 RT: 6.126 min Scan# 710
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

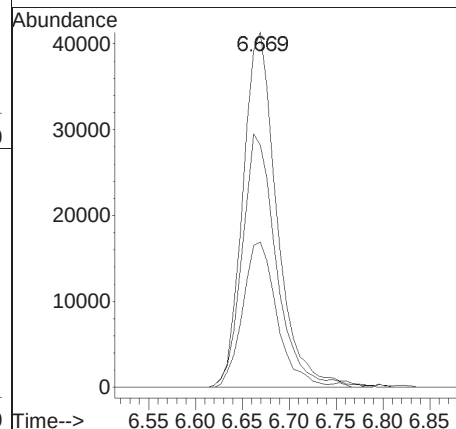
Tgt Ion	95	100	97	130
Resp	108189			
Ratio		100	65.5	108.7
Lower			53.8	87.0
Upper			80.6	130.6

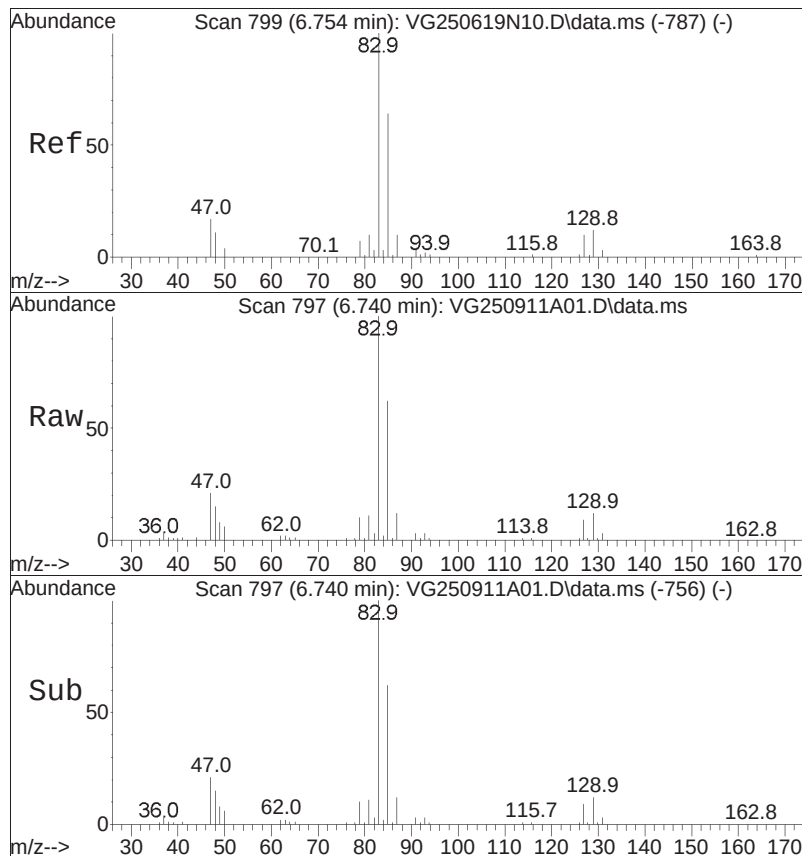




#51
 1,2-Dichloropropane
 Concen: 10.40 ug/L
 RT: 6.669 min Scan# 787
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

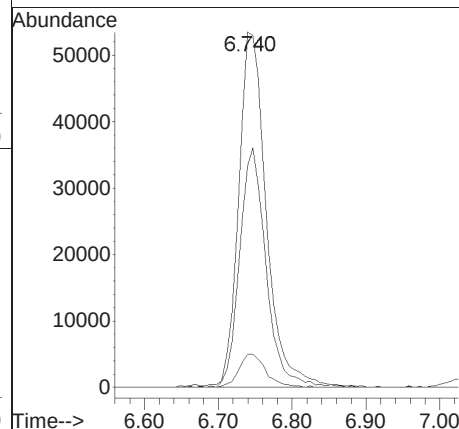
Tgt Ion:	63	Resp:	104950
Ion Ratio	Lower	Upper	
63	100		
62	71.6	54.1	81.1
76	41.2	33.8	50.6

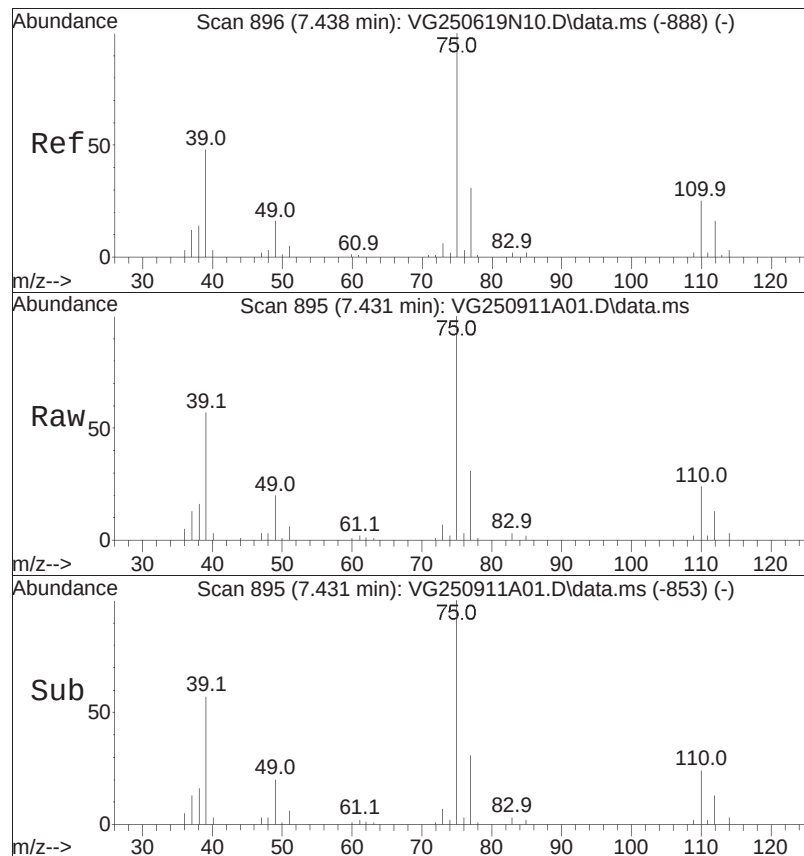




#54
 Bromodichloromethane
 Concen: 9.83 ug/L
 RT: 6.740 min Scan# 797
 Delta R.T. -0.014 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

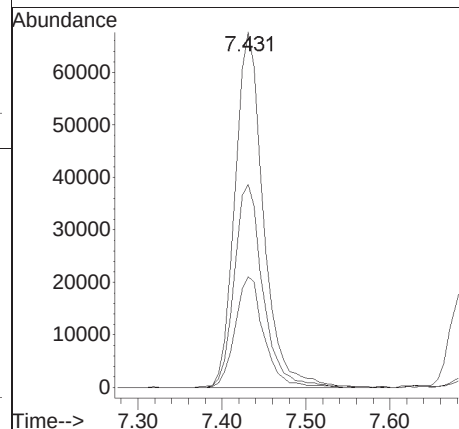
Tgt	Ion: 83	Resp:	140218
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.6
127	9.2	7.8	11.6

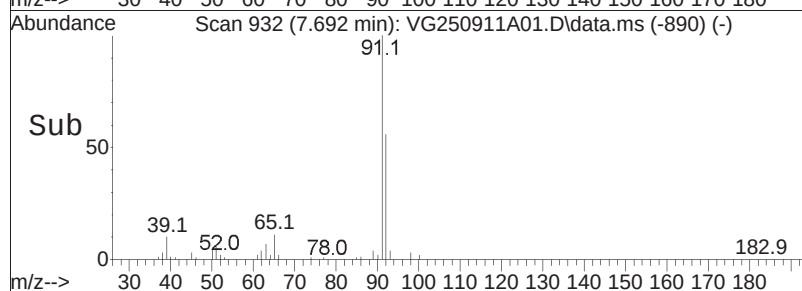
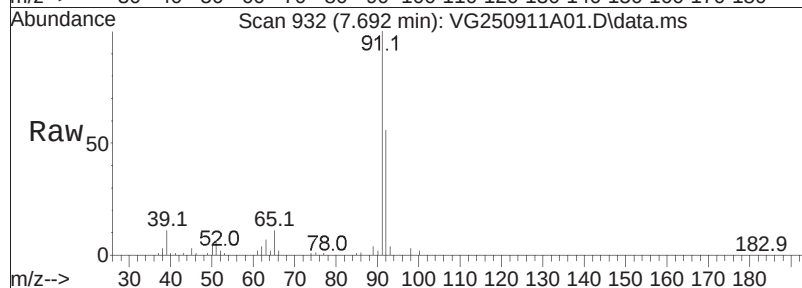
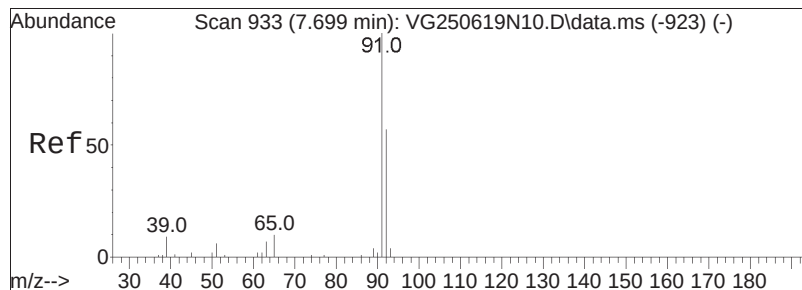




#58
 cis-1,3-Dichloropropene
 Concen: 9.55 ug/L
 RT: 7.431 min Scan# 895
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

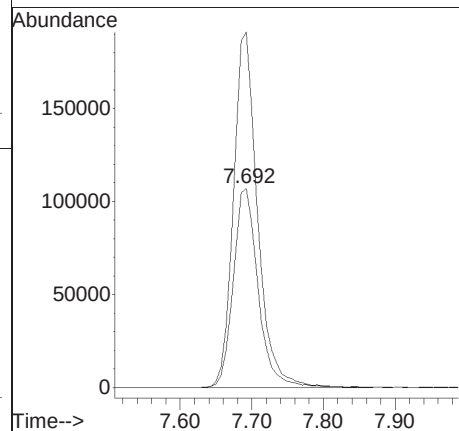
Tgt Ion:	75	Resp:	159525
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.2	37.8
39	57.6	39.9	59.9

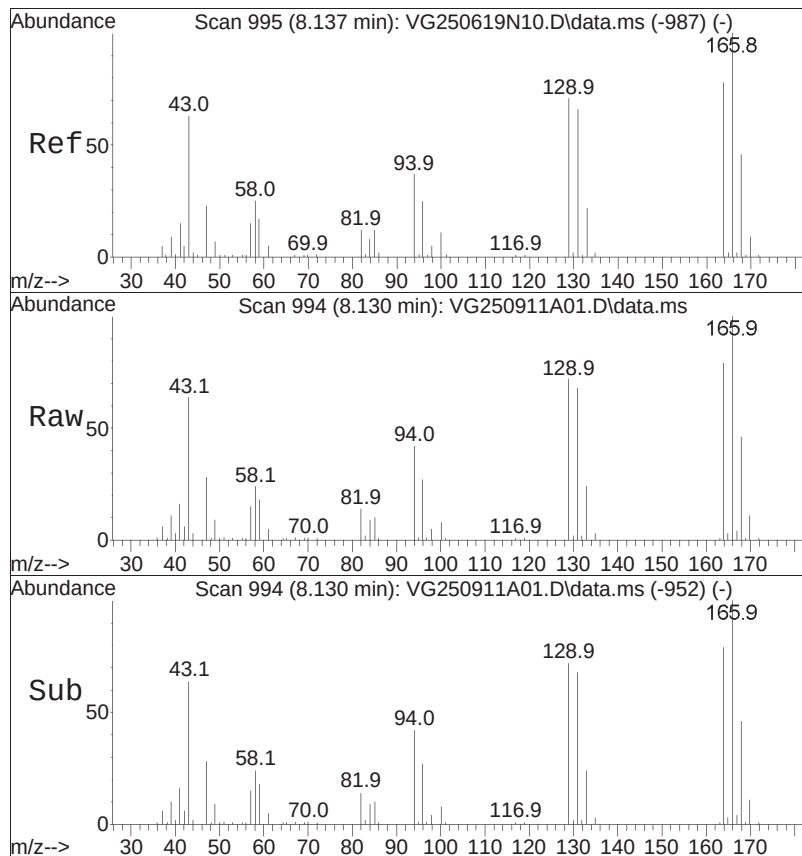




#61
Toluene
Concen: 10.31 ug/L
RT: 7.692 min Scan# 932
Delta R.T. -0.007 min
Lab File: VG250911A01.D
Acq: 11 Sep 2025 7:20 am

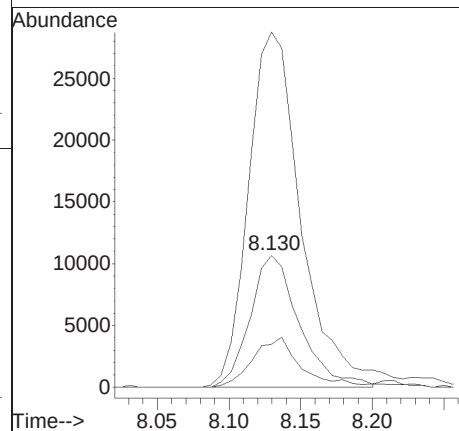
Tgt	Ion	Resp	Lower	Upper
92	100			
91	172.8	257395	138.2	207.2

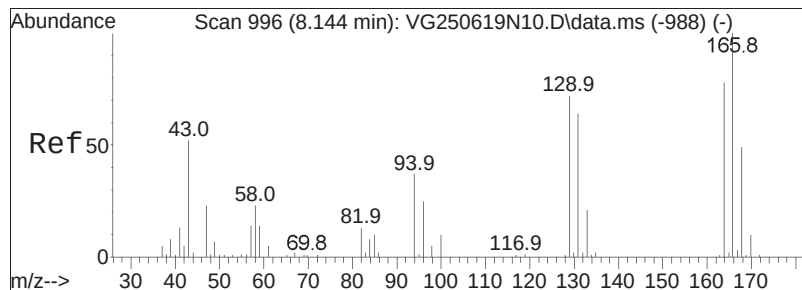




#62
 4-Methyl-2-pentanone
 Concen: 8.40 ug/L
 RT: 8.130 min Scan# 994
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

Tgt	Ion	Resp	Lower	Upper
58	100	25614		
100	39.1		33.9	50.9
43	289.3		193.0	289.6





#63

Tetrachloroethene

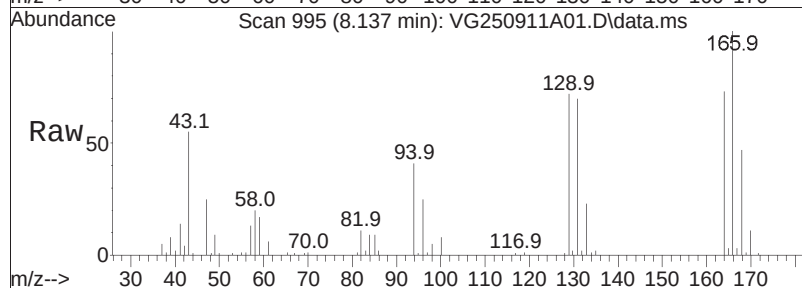
Concen: 9.79 ug/L

RT: 8.137 min Scan# 995

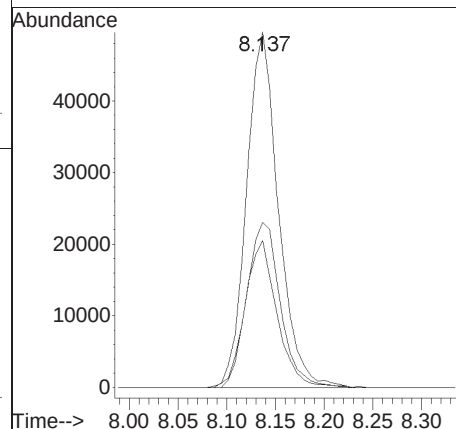
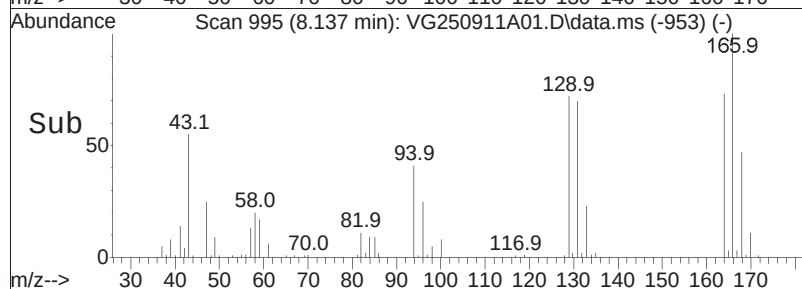
Delta R.T. -0.007 min

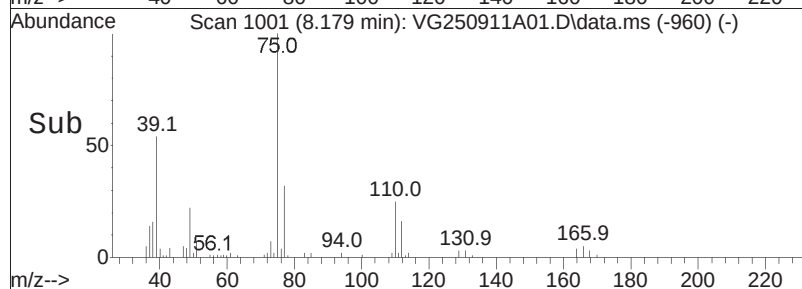
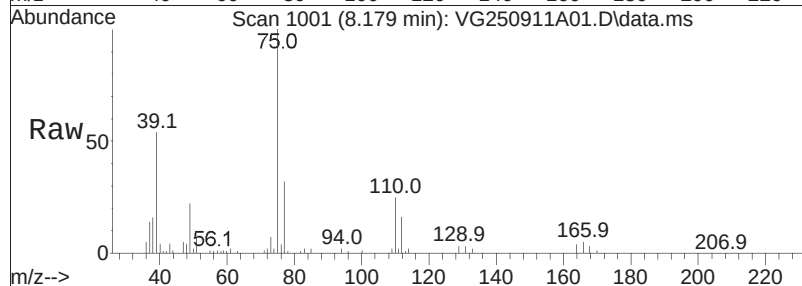
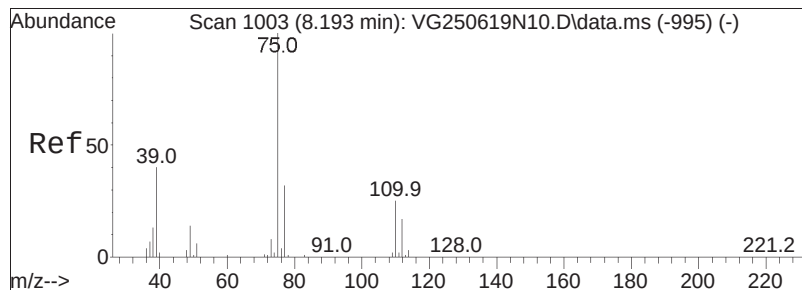
Lab File: VG250911A01.D

Acq: 11 Sep 2025 7:20 am



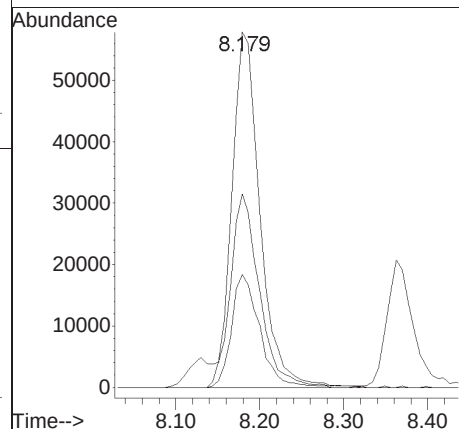
Tgt Ion:	166	Resp:	113137
Ion Ratio	Lower	Upper	
166	100		
168	48.8	27.6	67.6
94	41.3	16.7	56.7

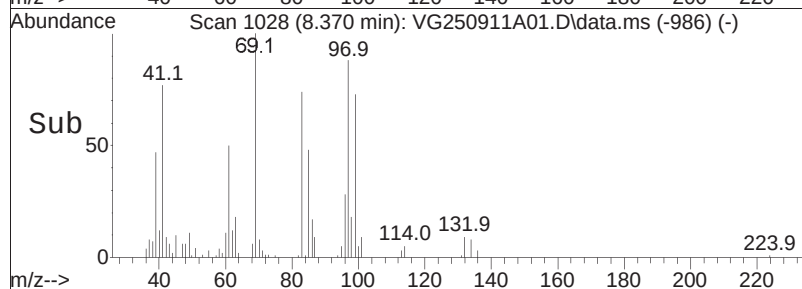
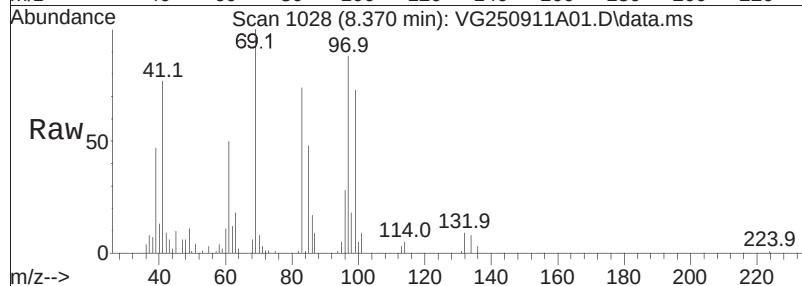
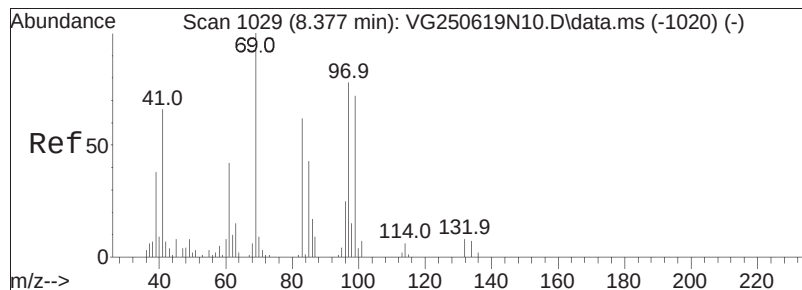




#65
 trans-1,3-Dichloropropene
 Concen: 9.34 ug/L
 RT: 8.179 min Scan# 1001
 Delta R.T. -0.014 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

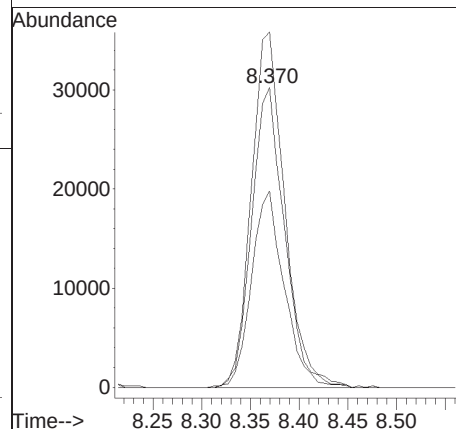
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	11.5	51.5
39	55.1	27.6	67.6

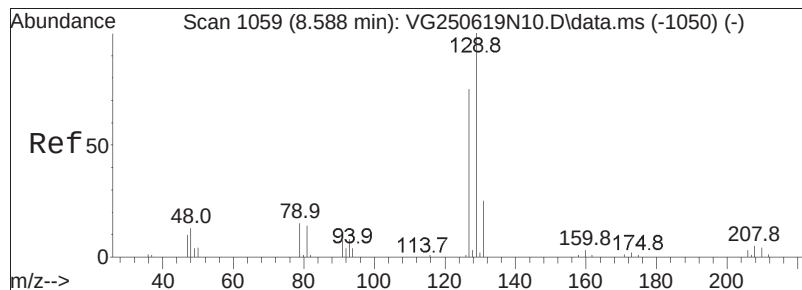




#68
 1,1,2-Trichloroethane
 Concen: 9.61 ug/L
 RT: 8.370 min Scan# 1028
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

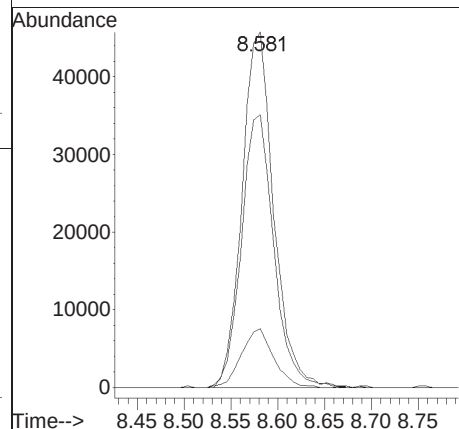
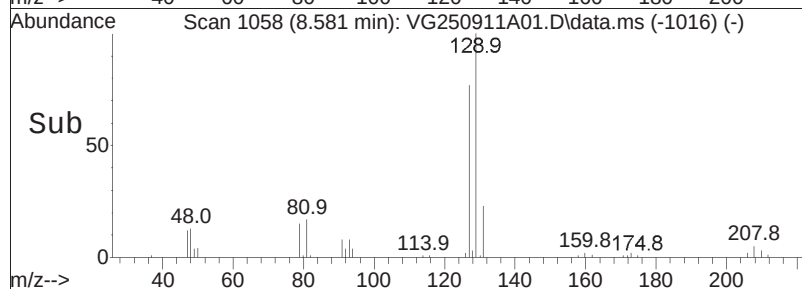
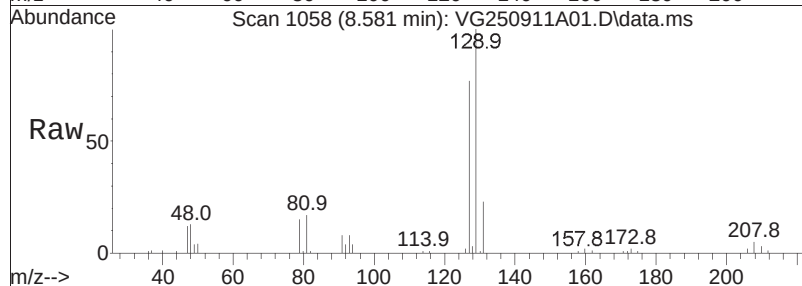
Tgt Ion	Ratio	Lower	Upper
83	100		
97	120.0	103.4	143.4
85	65.1	48.6	88.6

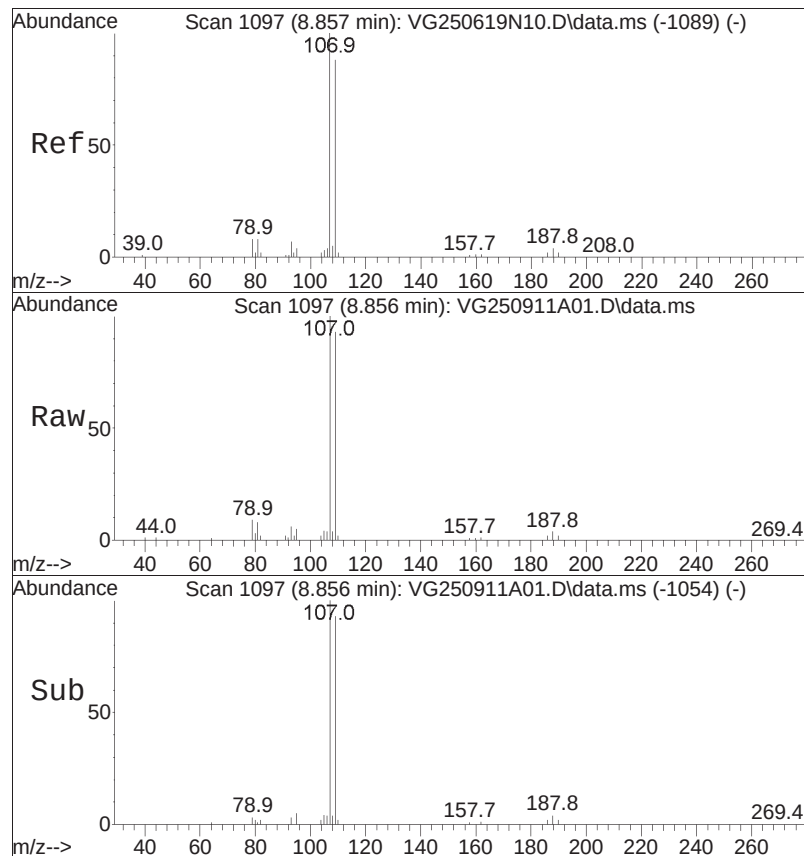




#69
 Chlorodibromomethane
 Concen: 9.11 ug/L
 RT: 8.581 min Scan# 1058
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

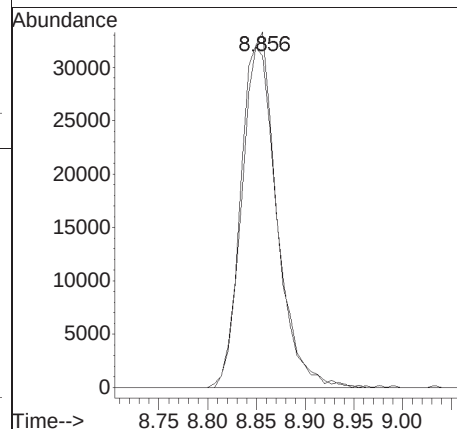
Tgt Ion	Ratio	Lower	Upper
129	100		
81	16.8	0.0	34.8
127	78.2	57.0	97.0

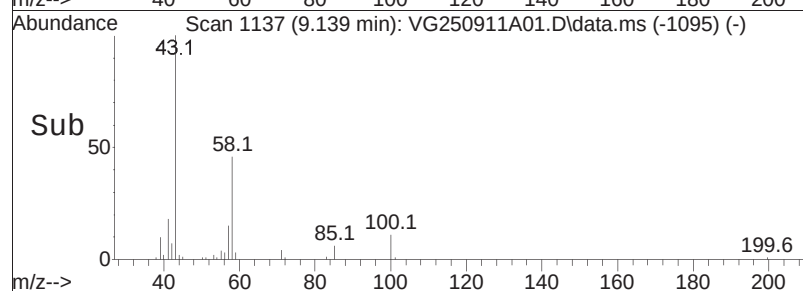
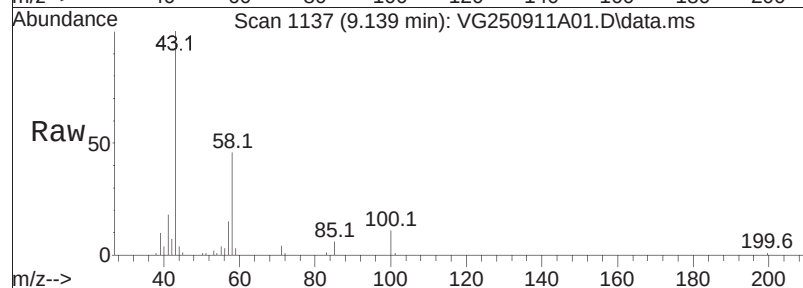
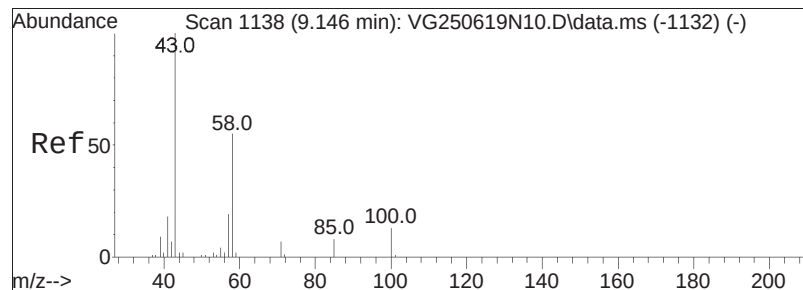




#71
 1,2-Dibromoethane
 Concen: 9.00 ug/L
 RT: 8.856 min Scan# 1097
 Delta R.T. -0.000 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.6	111.8





#72

2-Hexanone

Concen: 8.98 ug/L

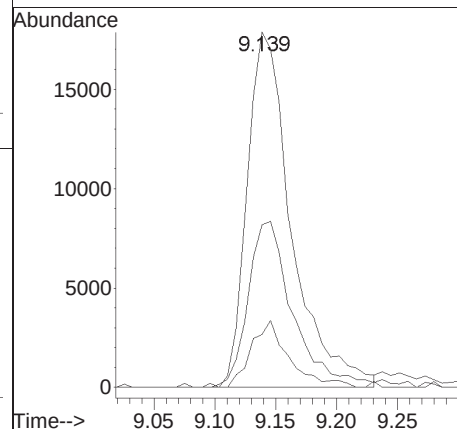
RT: 9.139 min Scan# 1137

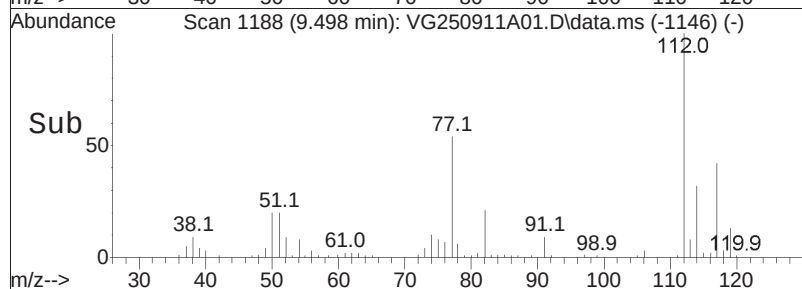
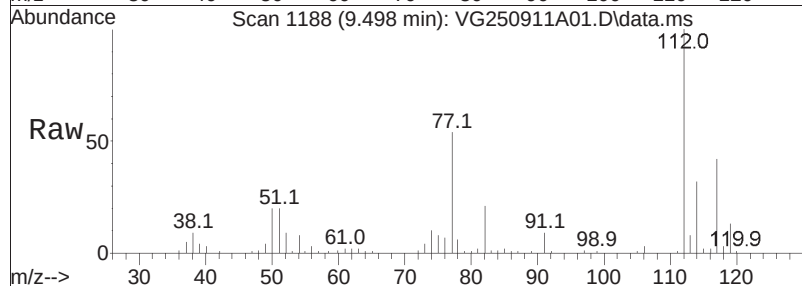
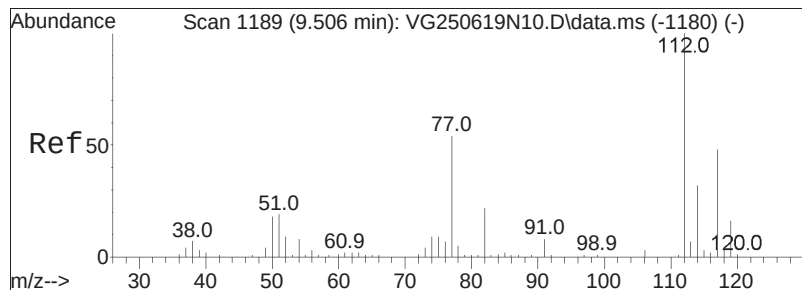
Delta R.T. -0.007 min

Lab File: VG250911A01.D

Acq: 11 Sep 2025 7:20 am

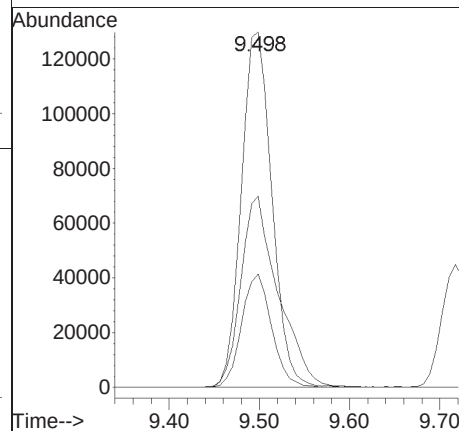
Tgt	Ion: 43	Resp:	45430
Ion	Ratio	Lower	Upper
43	100		
58	47.9	44.0	66.0
57	16.1	15.7	23.5

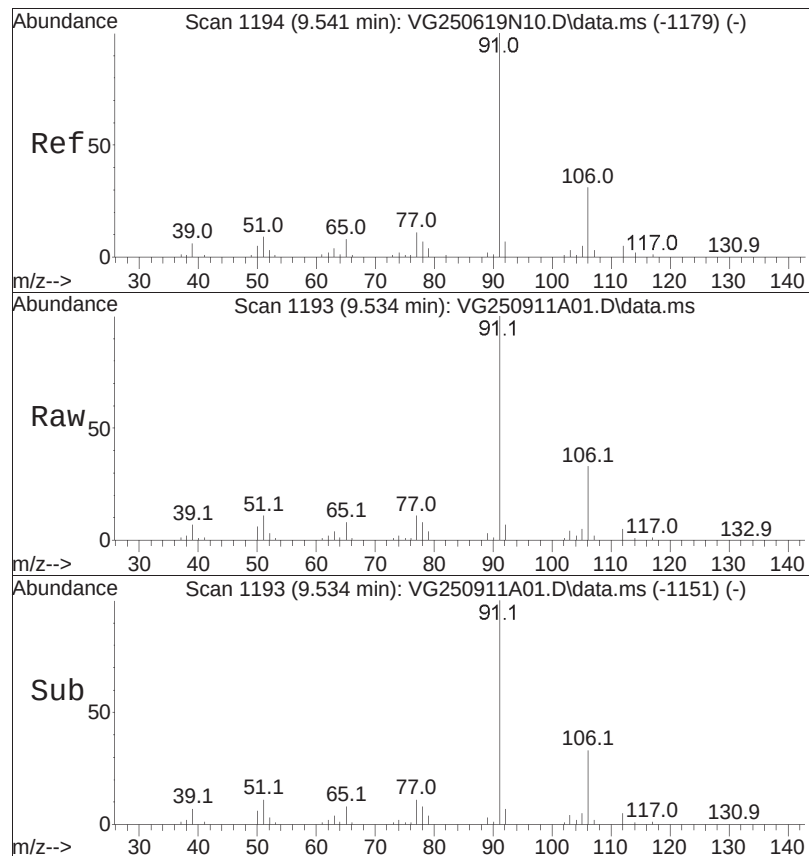




#73
 Chlorobenzene
 Concen: 10.35 ug/L
 RT: 9.498 min Scan# 1188
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

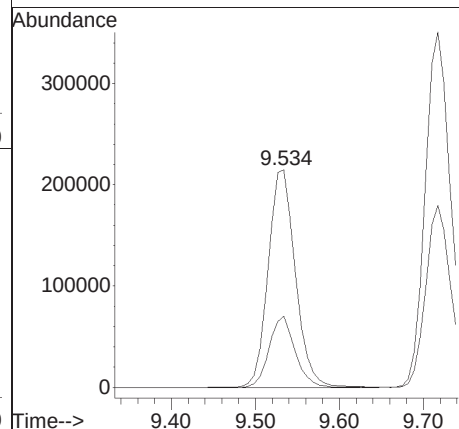
Tgt Ion:	112	Resp:	306160
Ion Ratio	Lower	Upper	
112	100		
77	65.9	53.5	80.3
114	31.4	25.8	38.6

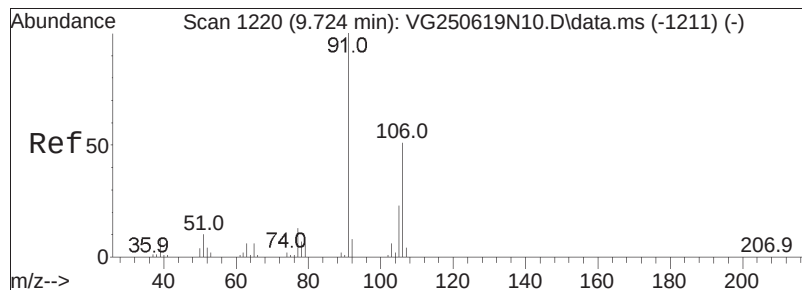




#74
 Ethylbenzene
 Concen: 10.12 ug/L
 RT: 9.534 min Scan# 1193
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

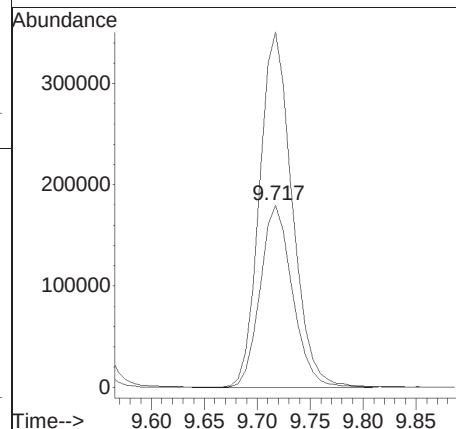
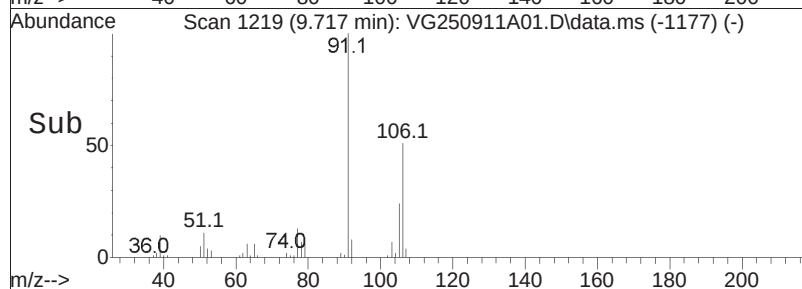
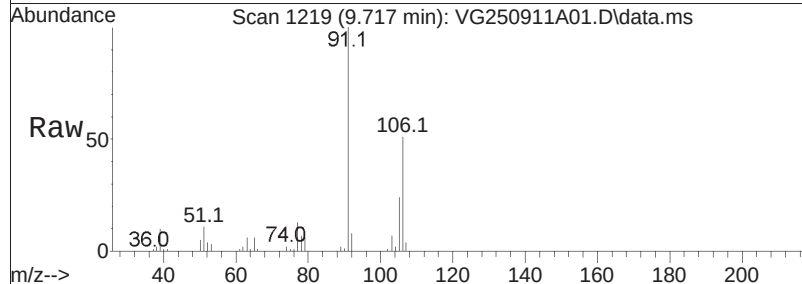
Tgt Ion:	91	Resp:	483961
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.0	37.6

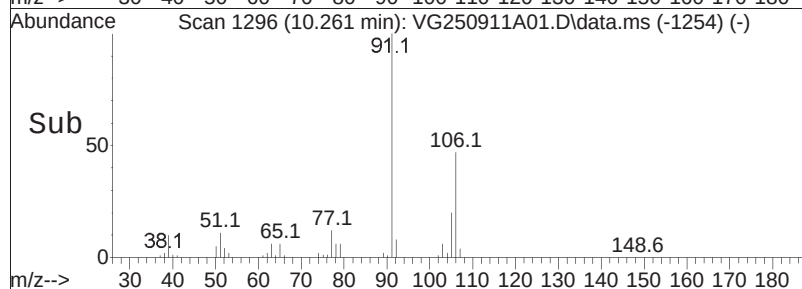
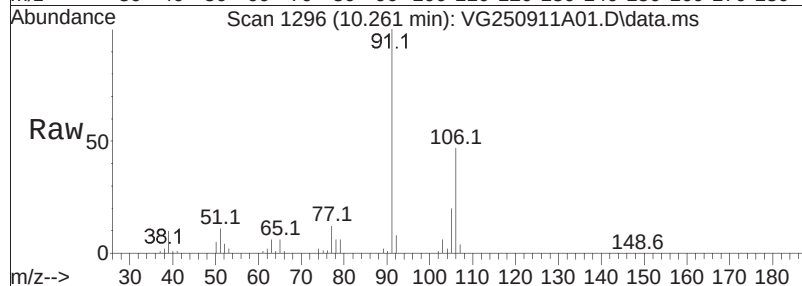
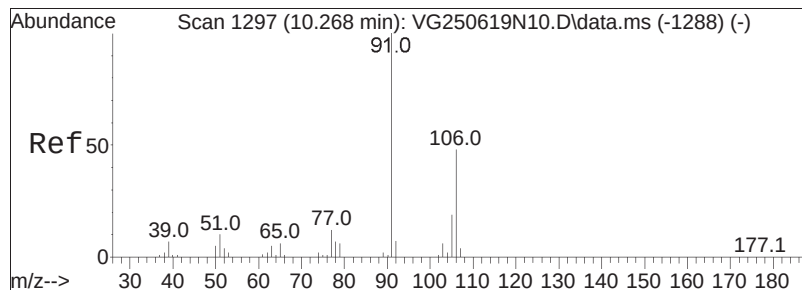




#76
 p/m Xylene
 Concen: 20.02 ug/L
 RT: 9.717 min Scan# 1219
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.1	154.8	232.2





#77

o Xylene

Concen: 19.53 ug/L

RT: 10.261 min Scan# 1296

Delta R.T. -0.007 min

Lab File: VG250911A01.D

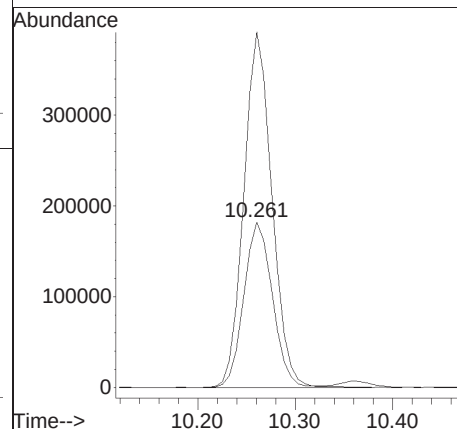
Acq: 11 Sep 2025 7:20 am

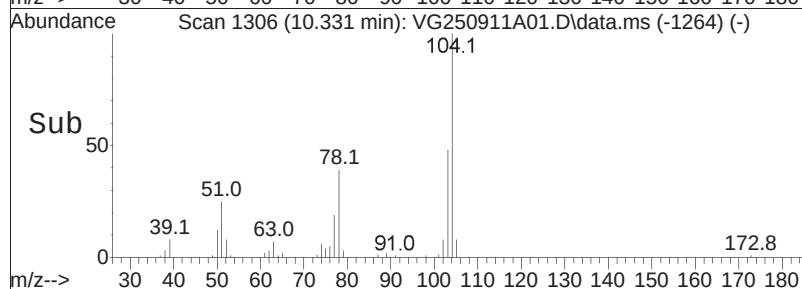
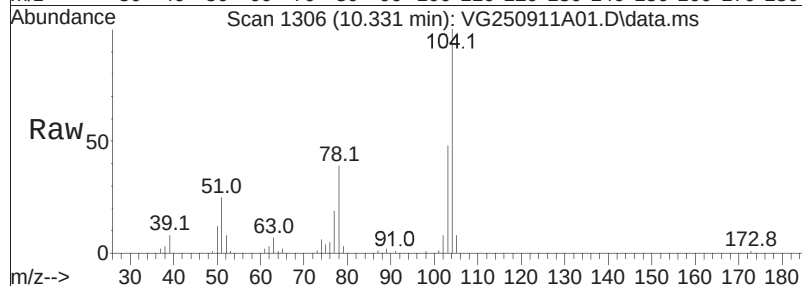
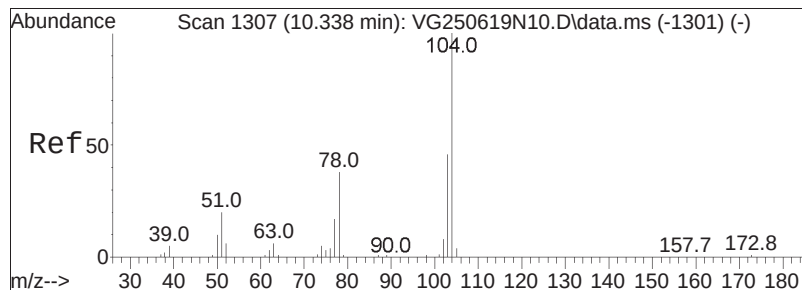
Tgt Ion:106 Resp: 373003

Ion Ratio Lower Upper

106 100

91 209.6 166.0 249.0





#78

Styrene

Concen: 19.14 ug/L

RT: 10.331 min Scan# 1306

Delta R.T. -0.007 min

Lab File: VG250911A01.D

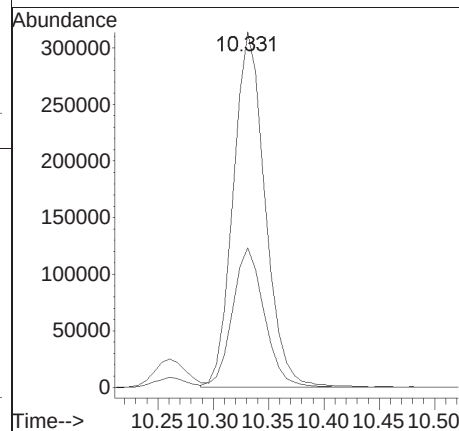
Acq: 11 Sep 2025 7:20 am

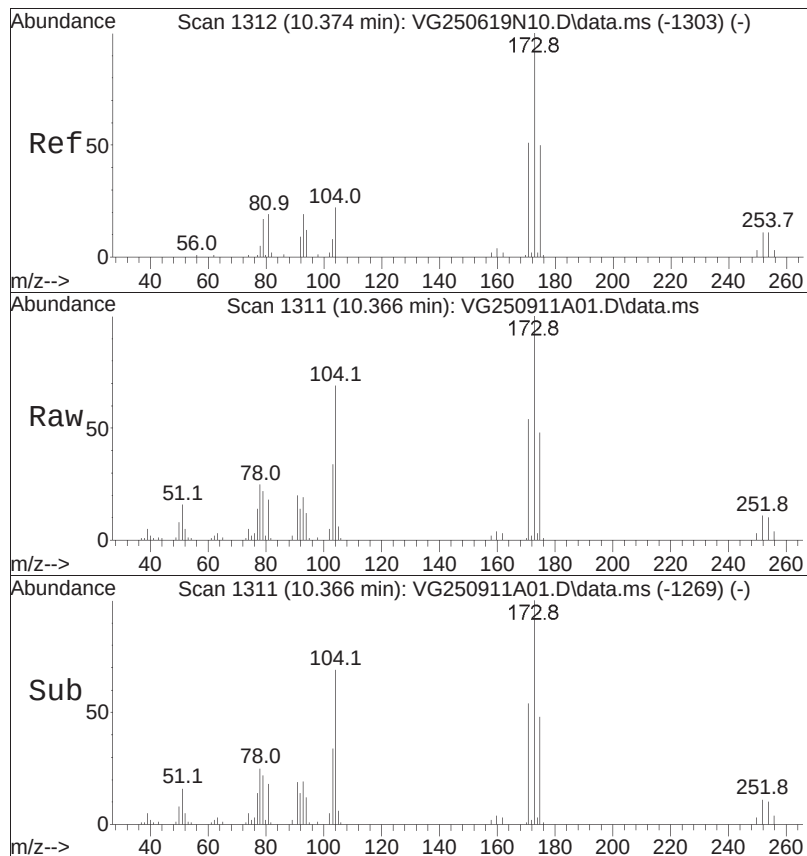
Tgt Ion:104 Resp: 627016

Ion Ratio Lower Upper

104 100

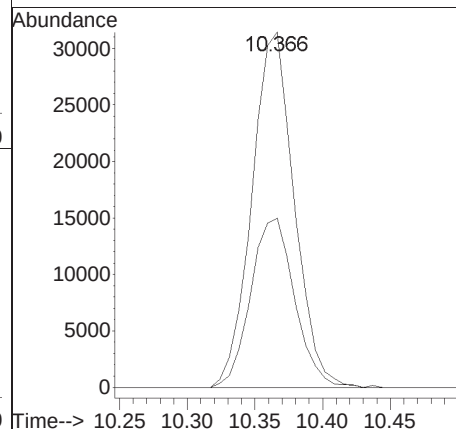
78 39.1 31.4 47.2

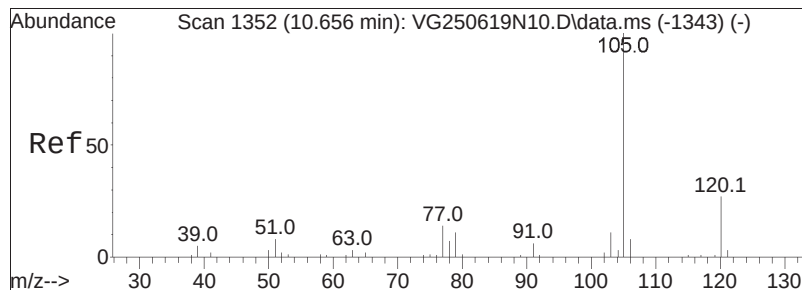




#80
 Bromoform
 Concen: 8.13 ug/L
 RT: 10.366 min Scan# 1311
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

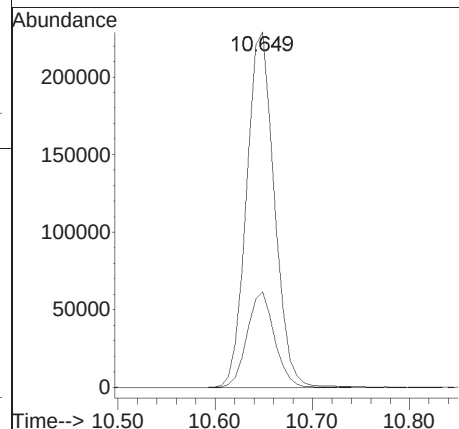
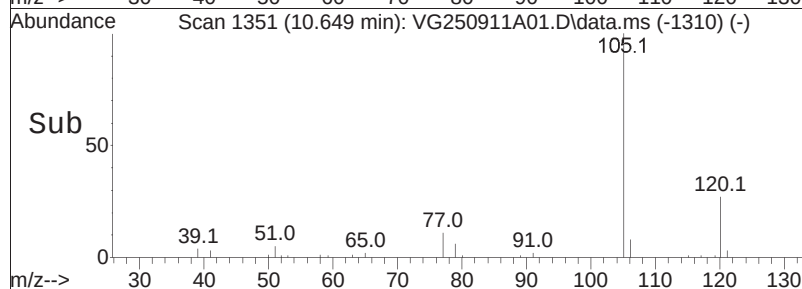
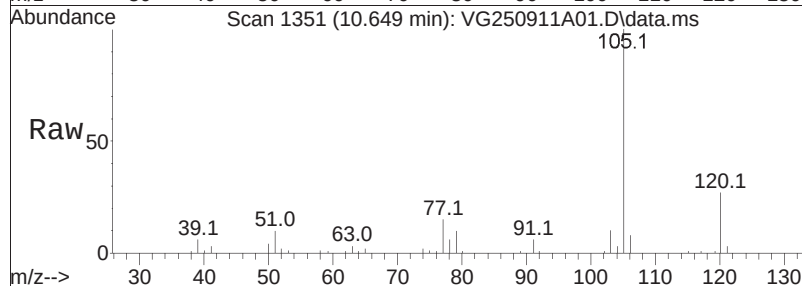
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	28.8	68.8

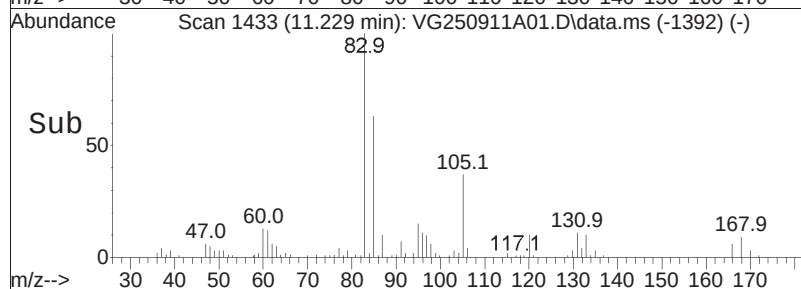
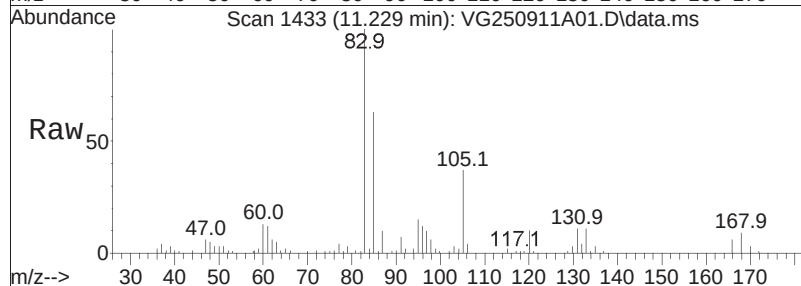
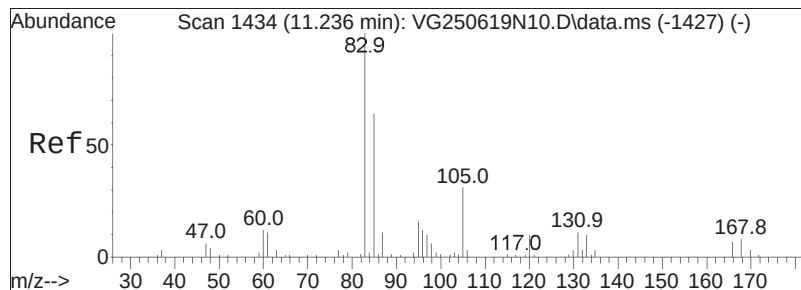




#82
 Isopropylbenzene
 Concen: 10.01 ug/L
 RT: 10.649 min Scan# 1351
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	7.6	47.6





#87

1,1,2,2-Tetrachloroethane

Concen: 8.85 ug/L

RT: 11.229 min Scan# 1433

Delta R.T. -0.007 min

Lab File: VG250911A01.D

Acq: 11 Sep 2025 7:20 am

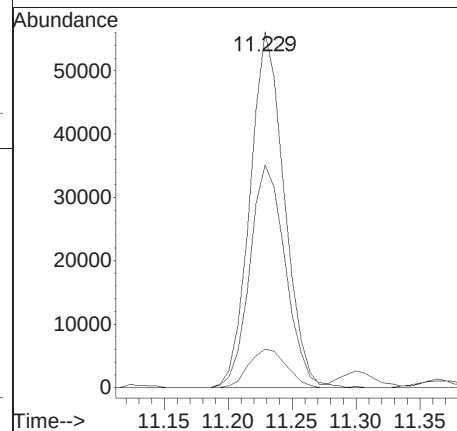
Tgt Ion: 83 Resp: 104273

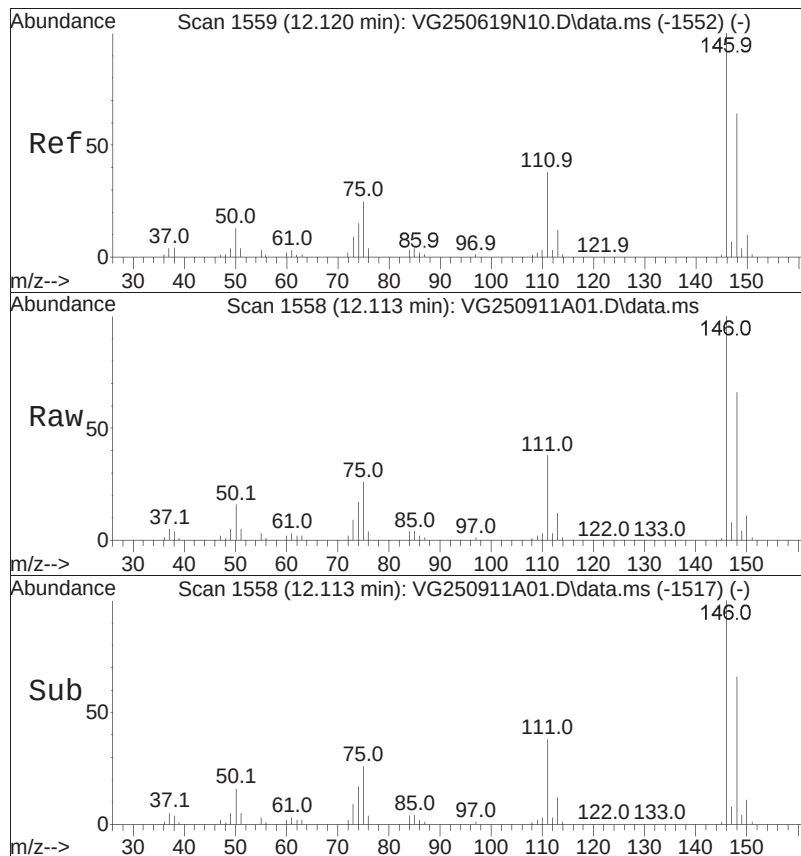
Ion Ratio Lower Upper

83 100

131 11.8 0.0 31.5

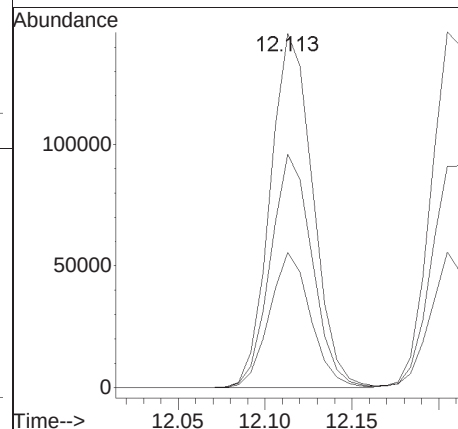
85 65.2 44.6 84.6

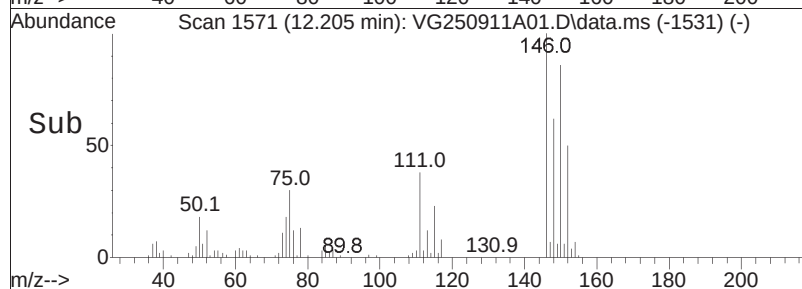
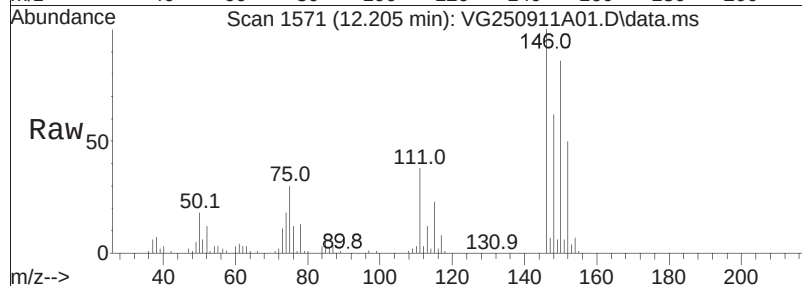
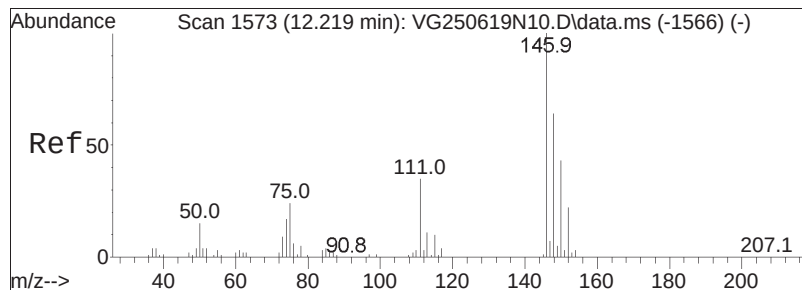




#100
 1,3-Dichlorobenzene
 Concen: 9.82 ug/L
 RT: 12.113 min Scan# 1558
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

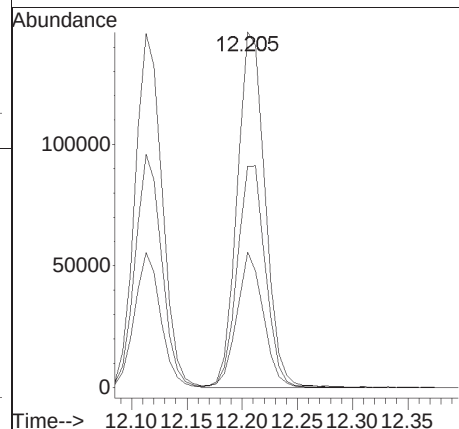
Tgt Ion:	146	Resp:	248456
Ion Ratio	Lower	Upper	
146	100		
111	36.8	23.9	49.5
148	64.5	41.2	85.6

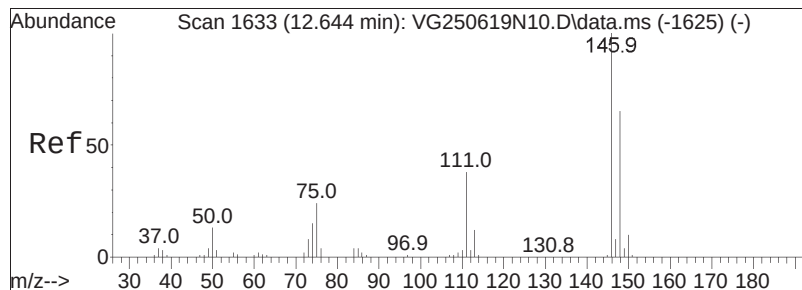




#101
 1,4-Dichlorobenzene
 Concen: 9.92 ug/L
 RT: 12.205 min Scan# 1571
 Delta R.T. -0.014 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

Tgt	Ion	Ratio	Resp	Lower	Upper
146	100		257697		
111	36.1			28.9	43.3
148	63.1			51.2	76.8





#104

1,2-Dichlorobenzene

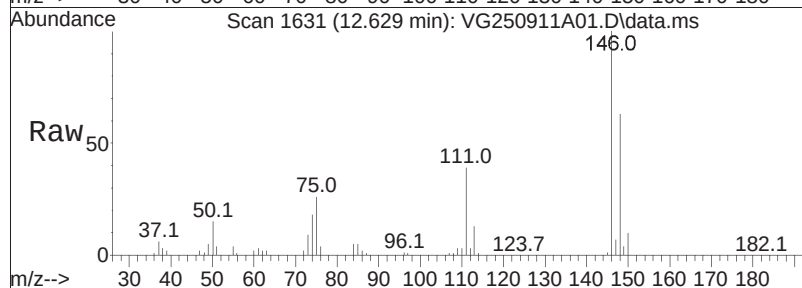
Concen: 9.66 ug/L

RT: 12.629 min Scan# 1631

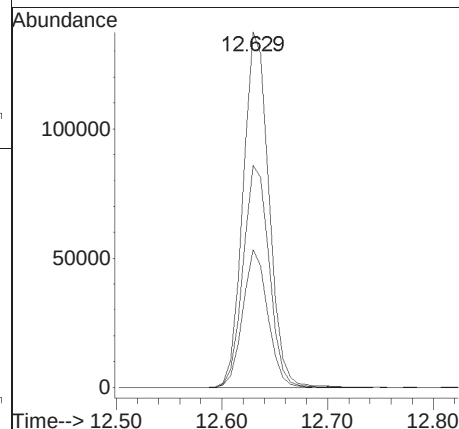
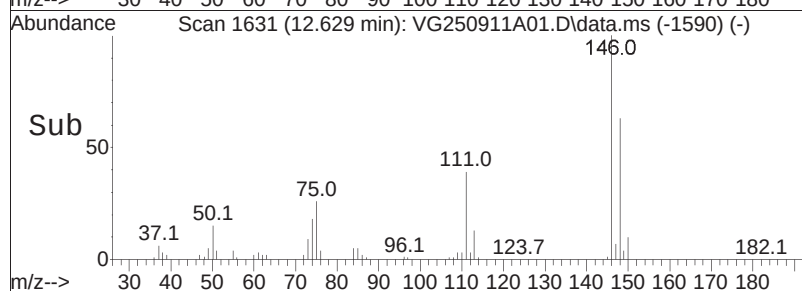
Delta R.T. -0.014 min

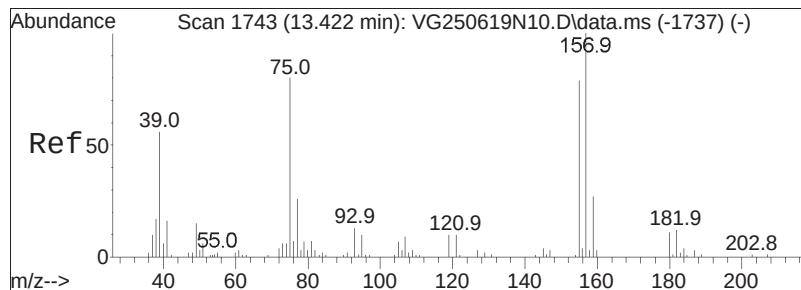
Lab File: VG250911A01.D

Acq: 11 Sep 2025 7:20 am



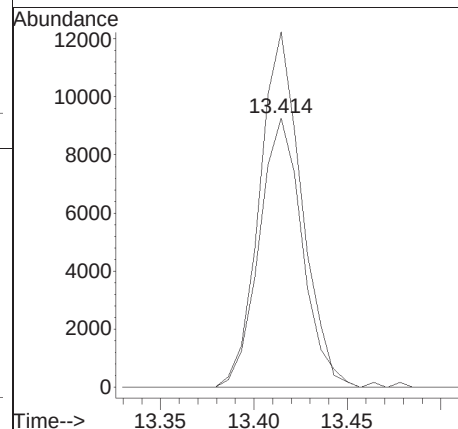
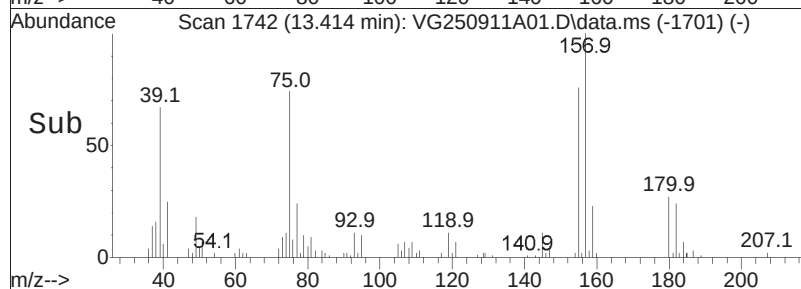
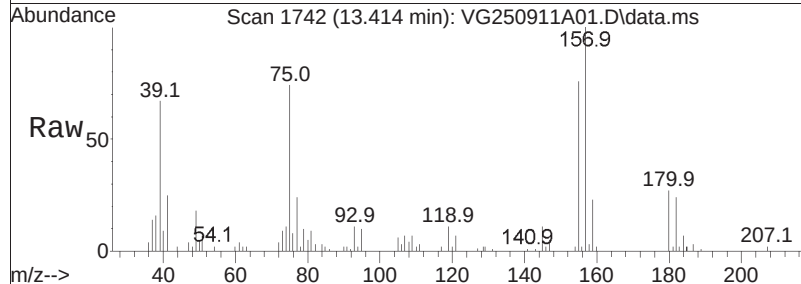
Tgt Ion:	146	Resp:	233304
Ion Ratio	Lower	Upper	
146	100		
111	37.4	24.6	51.0
148	62.9	41.4	86.0

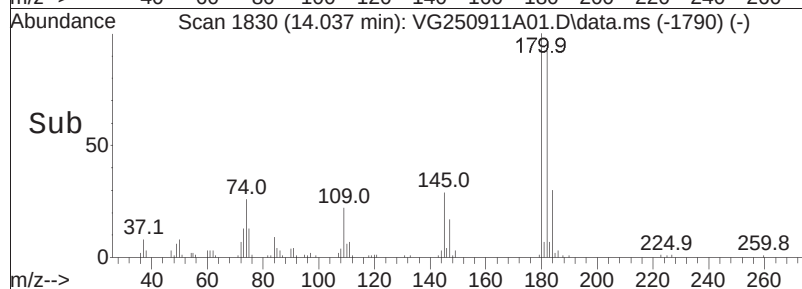
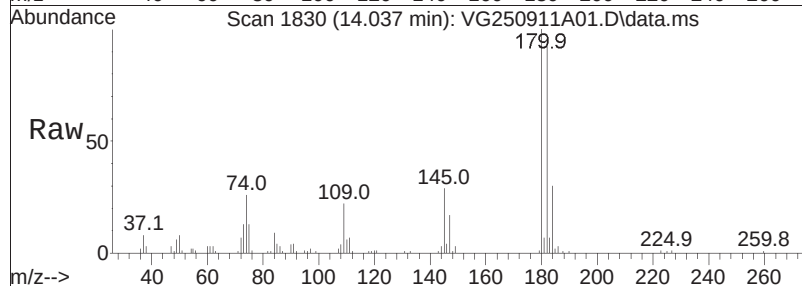
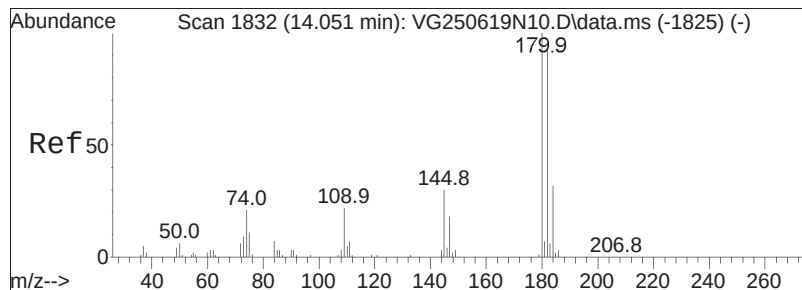




#106
 1,2-Dibromo-3-chloropropane
 Concen: 6.94 ug/L
 RT: 13.414 min Scan# 1742
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

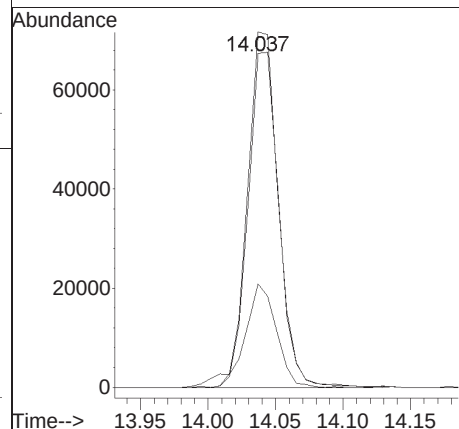
Tgt Ion	Ratio	Lower	Upper
155	100		
157	128.8	99.0	148.6

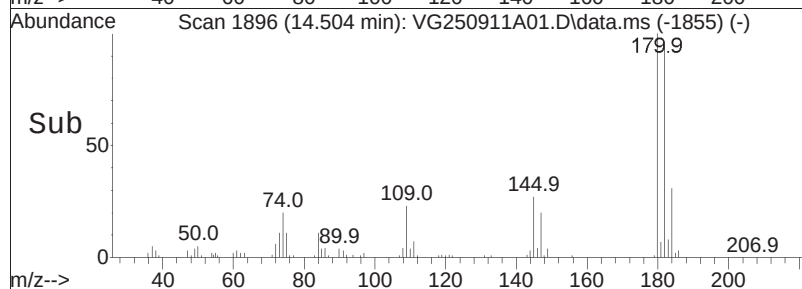
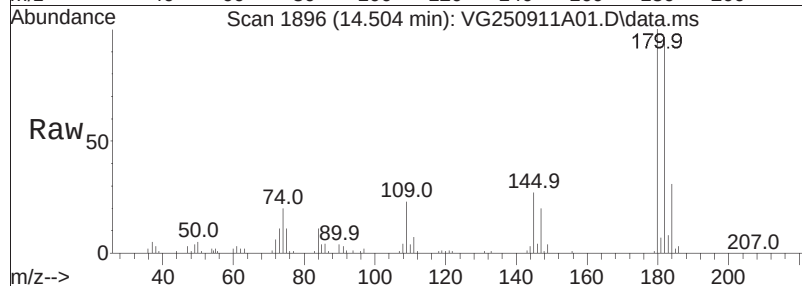
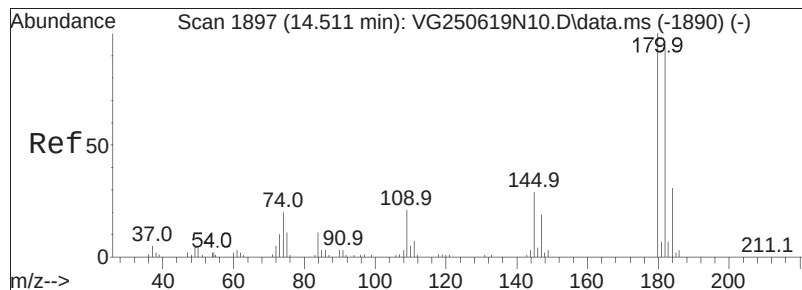




#109
 1,2,4-Trichlorobenzene
 Concen: 8.31 ug/L
 RT: 14.037 min Scan# 1830
 Delta R.T. -0.014 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

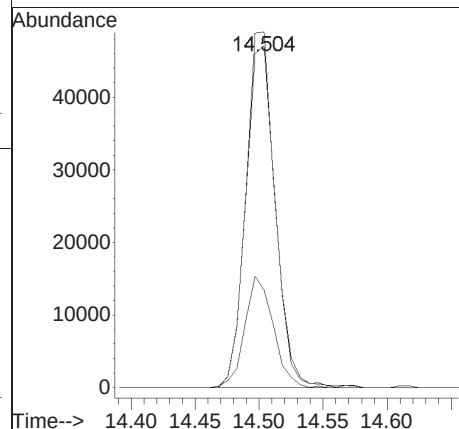
Tgt Ion:	180	Resp:	113637
Ion Ratio	100	Lower	Upper
182	94.9	76.0	114.0
145	31.0	25.3	37.9





#111
 1,2,3-Trichlorobenzene
 Concen: 7.44 ug/L
 RT: 14.504 min Scan# 1896
 Delta R.T. -0.007 min
 Lab File: VG250911A01.D
 Acq: 11 Sep 2025 7:20 am

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.8	115.2
145	30.2	24.1	36.1



Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A01.D
 Acq On : 21 Sep 2025 8:57 am
 Operator : GONZO:PID
 Sample : WG2117843-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 09:27:43 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	571809	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.478	117	440676	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.191	152	264512	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.143	113	153879	10.367	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	103.67%	
43) 1,2-Dichloroethane-d4	5.667	65	177682	11.693	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	116.93%	
60) Toluene-d8	7.629	98	573409	10.475	ug/L	-0.01
Spiked Amount	10.000	Range 70 - 130	Recovery	=	104.75%	
83) 4-Bromofluorobenzene	10.982	95	209397	9.598	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	95.98%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	124483	9.934	ug/L	99
3) Chloromethane	1.820	50	132804	11.347	ug/L	100
4) Vinyl chloride	1.870	62	129754	10.077	ug/L	99
5) Bromomethane	2.176	94	37403	4.236	ug/L	100
6) Chloroethane	2.276	64	73658	8.429	ug/L	97
7) Trichlorofluoromethane	2.418	101	175871	10.217	ug/L	99
10) 1,1-Dichloroethene	2.909	96	97862	9.450	ug/L	89
11) Carbon disulfide	2.944	76	352995	11.254	ug/L	100
12) Freon-113	2.944	101	101299	9.790	ug/L	79
15) Methylene chloride	3.464	84	123088	9.771	ug/L	87
17) Acetone	3.514	43	22883	9.348	ug/L	97
18) trans-1,2-Dichloroethene	3.606	96	113332	10.100	ug/L	93
19) Methyl acetate	3.620	43	59272	10.274	ug/L	# 93
20) Methyl tert-butyl ether	3.691	73	276664	8.465	ug/L	# 89
23) 1,1-Dichloroethane	4.189	63	222197	11.197	ug/L	99
28) cis-1,2-Dichloroethene	4.702	96	126119	9.655	ug/L	88
30) Bromochloromethane	4.901	128	62699	10.253	ug/L	# 83
31) Cyclohexane	4.887	56	169933	9.823	ug/L	92
32) Chloroform	4.972	83	215096	10.534	ug/L	98
34) Carbon tetrachloride	5.093	117	152981	9.381	ug/L	96
37) 1,1,1-Trichloroethane	5.164	97	176758	9.892	ug/L	96
39) 2-Butanone	5.264	43	41189	11.117	ug/L	# 74
41) Benzene	5.526	78	479980	10.763	ug/L	97
44) 1,2-Dichloroethane	5.738	62	157348	10.764	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A01.D
 Acq On : 21 Sep 2025 8:57 am
 Operator : GONZO:PID
 Sample : WG2117843-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 21 09:27:43 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47)	Methyl cyclohexane	6.105	83	145453	9.100	ug/L	89
48)	Trichloroethene	6.126	95	127439	10.431	ug/L	100
51)	1,2-Dichloropropane	6.669	63	121407	10.593	ug/L	98
54)	Bromodichloromethane	6.747	83	163169	10.075	ug/L	99
58)	cis-1,3-Dichloropropene	7.431	75	165408	8.722	ug/L	95
61)	Toluene	7.692	92	293415	10.398	ug/L	100
62)	4-Methyl-2-pentanone	8.130	58	26702	7.755	ug/L #	70
63)	Tetrachloroethene	8.137	166	131365	10.066	ug/L	97
65)	trans-1,3-Dichloropropene	8.179	75	138338	8.498	ug/L	93
68)	1,1,2-Trichloroethane	8.363	83	85723	10.242	ug/L	98
69)	Chlorodibromomethane	8.581	129	121397	9.077	ug/L	99
71)	1,2-Dibromoethane	8.850	107	96447	9.069	ug/L	99
72)	2-Hexanone	9.139	43	48798	8.540	ug/L #	86
73)	Chlorobenzene	9.499	112	346355	10.362	ug/L	99
74)	Ethylbenzene	9.534	91	545628	10.100	ug/L	100
76)	p/m Xylene	9.717	106	436915	20.309	ug/L	97
77)	o Xylene	10.261	106	422721	19.596	ug/L	99
78)	Styrene	10.331	104	737917	19.936	ug/L	99
80)	Bromoform	10.360	173	75396	7.583	ug/L	100
82)	Isopropylbenzene	10.649	105	502297	9.327	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.229	83	126121	9.053	ug/L	99
100)	1,3-Dichlorobenzene	12.113	146	293157	9.798	ug/L	100
101)	1,4-Dichlorobenzene	12.212	146	299523	9.750	ug/L	99
104)	1,2-Dichlorobenzene	12.630	146	267679	9.368	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.415	155	16310	6.423	ug/L	97
109)	1,2,4-Trichlorobenzene	14.037	180	111933	6.920	ug/L	100
111)	1,2,3-Trichlorobenzene	14.504	180	77813	6.255	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

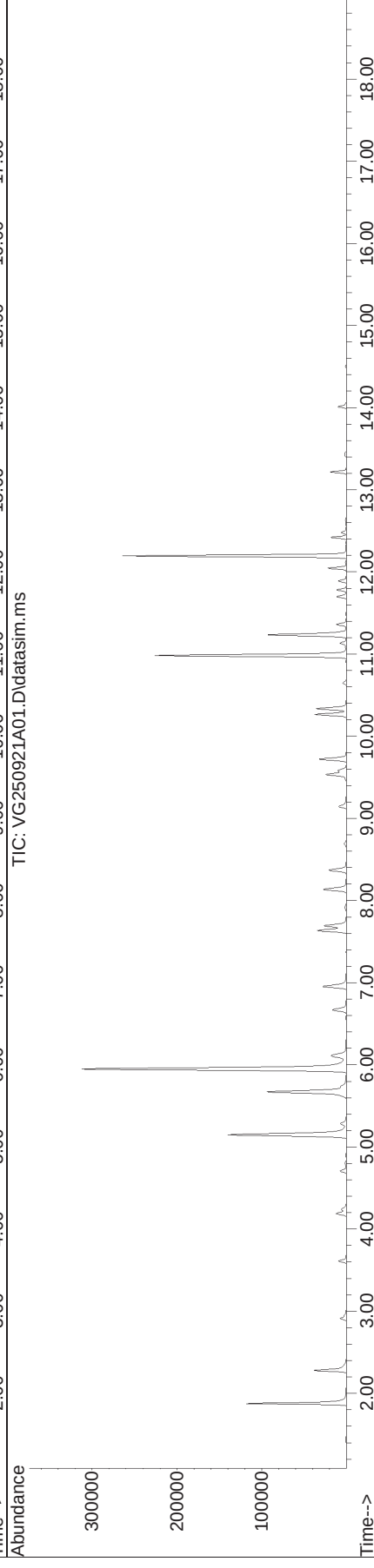
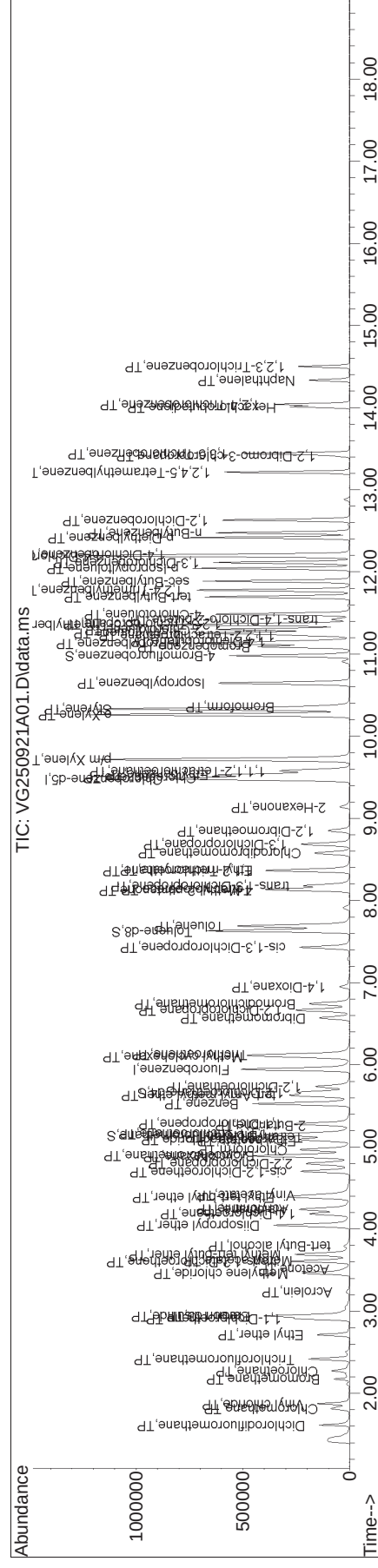
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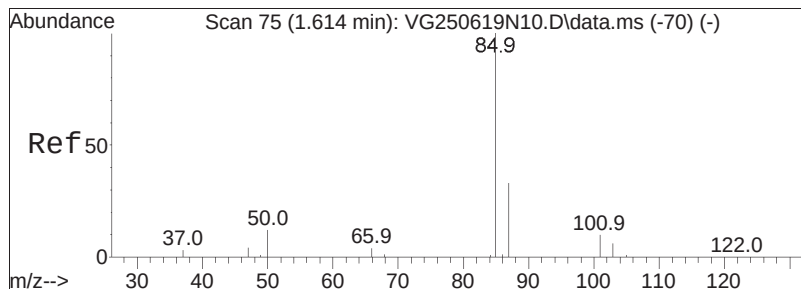
Data Path      : K:\Gonzo\2025\250921A\
Data File     : VG250921A01.D
Acq On        : 21 Sep 2025   8:57 am
Operator      : GONZO:PID
Sample        : WG2117843-3,31,10,10 (
Misc          : WG2117843,ICAL22400 (S
ALS Vial      : 1 Sample Multiplier:

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Quant Time: Sep 21 09:27:43 2025
Quant Method : K:\Gonzo\2025\250921A\G_
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

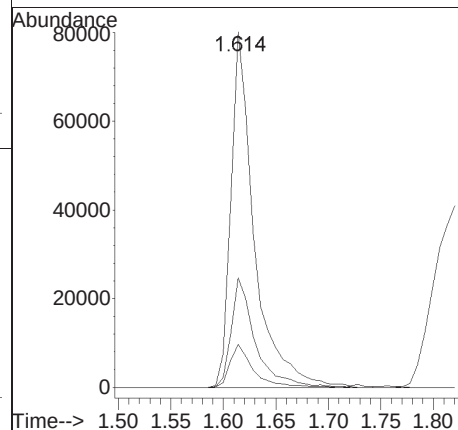
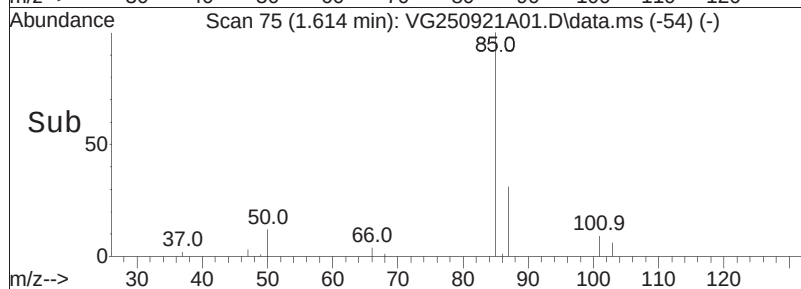
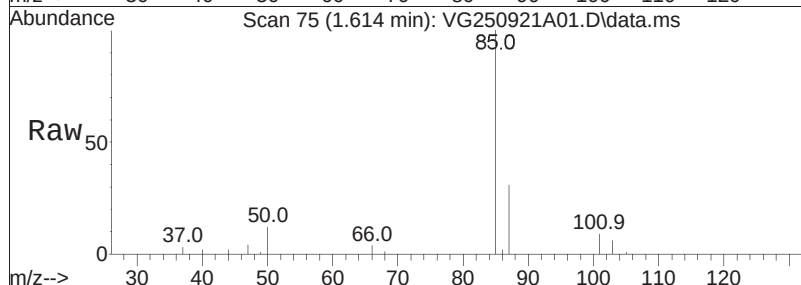
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

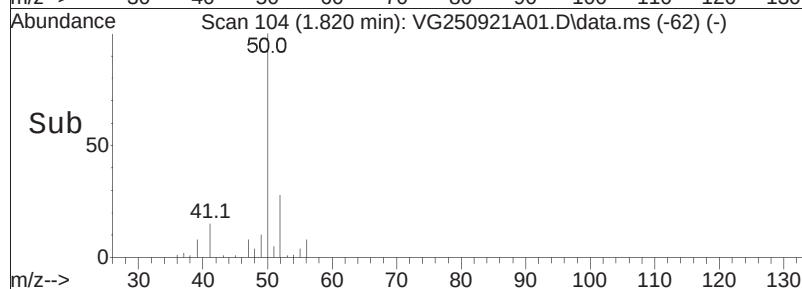
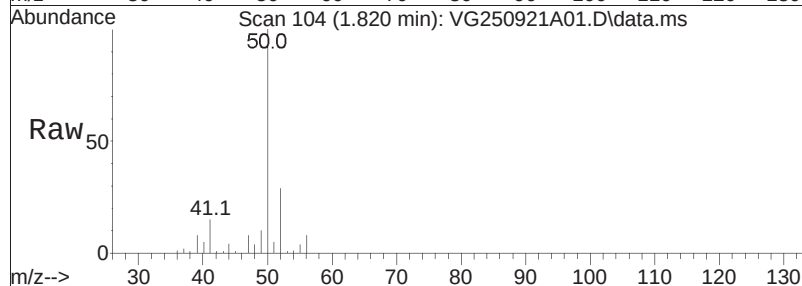
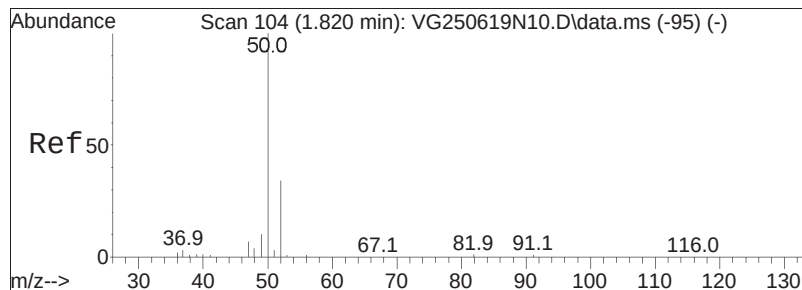




#2
 Dichlorodifluoromethane
 Concen: 9.93 ug/L
 RT: 1.614 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

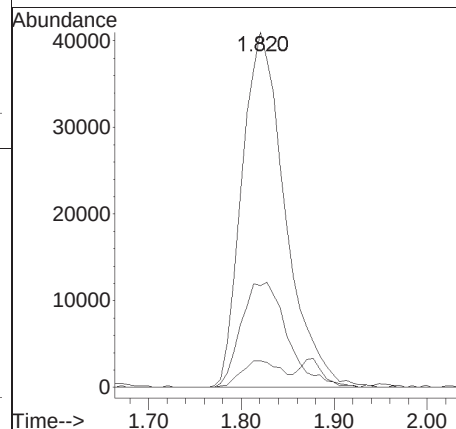
Tgt Ion: 85 Resp: 124483
 Ion Ratio Lower Upper
 85 100
 87 31.6 20.7 42.9
 50 12.1 8.1 16.7

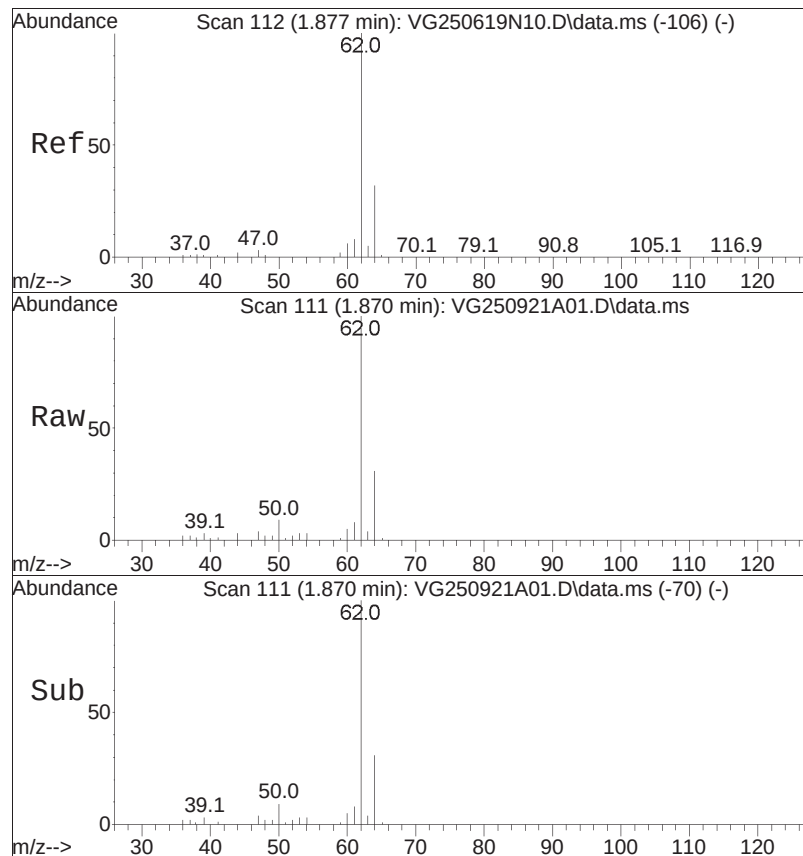




#3
 Chloromethane
 Concen: 11.35 ug/L
 RT: 1.820 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

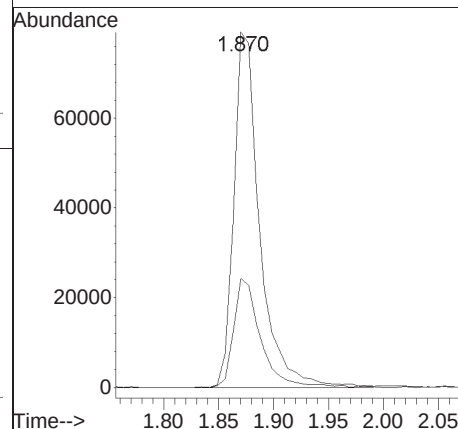
Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.6	11.6	51.6
47	6.7	0.0	26.4

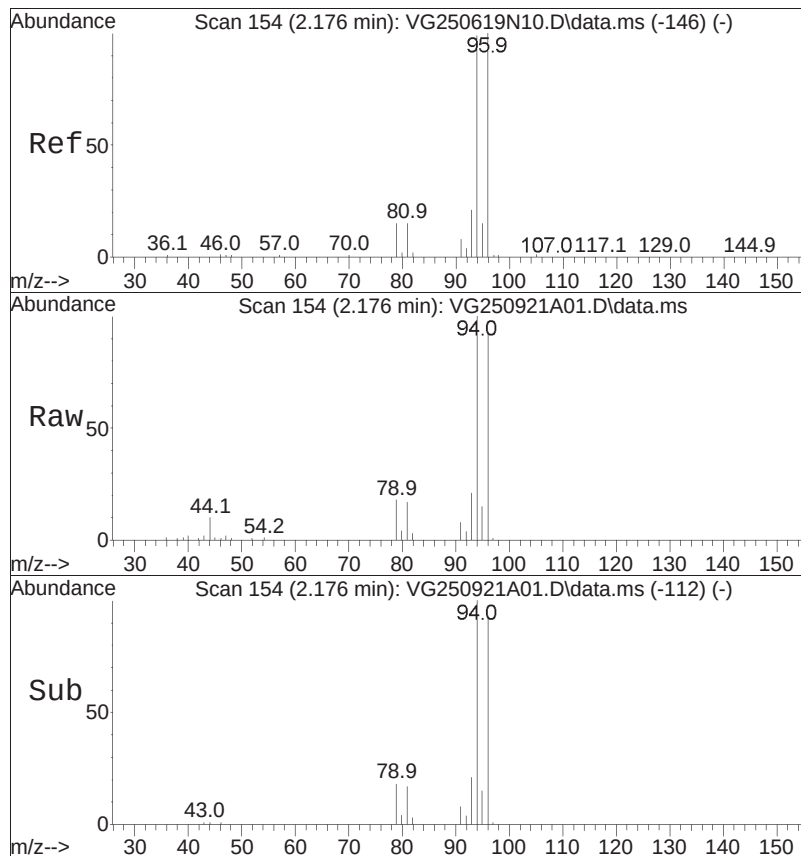




#4
 Vinyl chloride
 Concen: 10.08 ug/L
 RT: 1.870 min Scan# 111
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

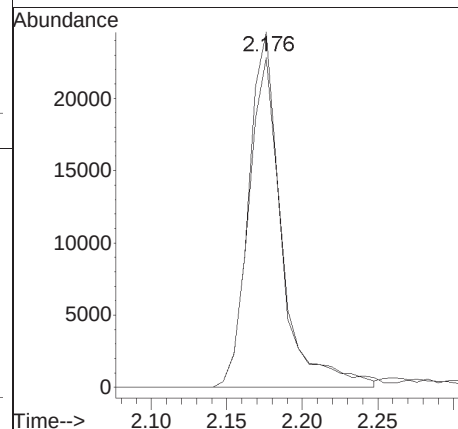
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.0	11.5	51.5

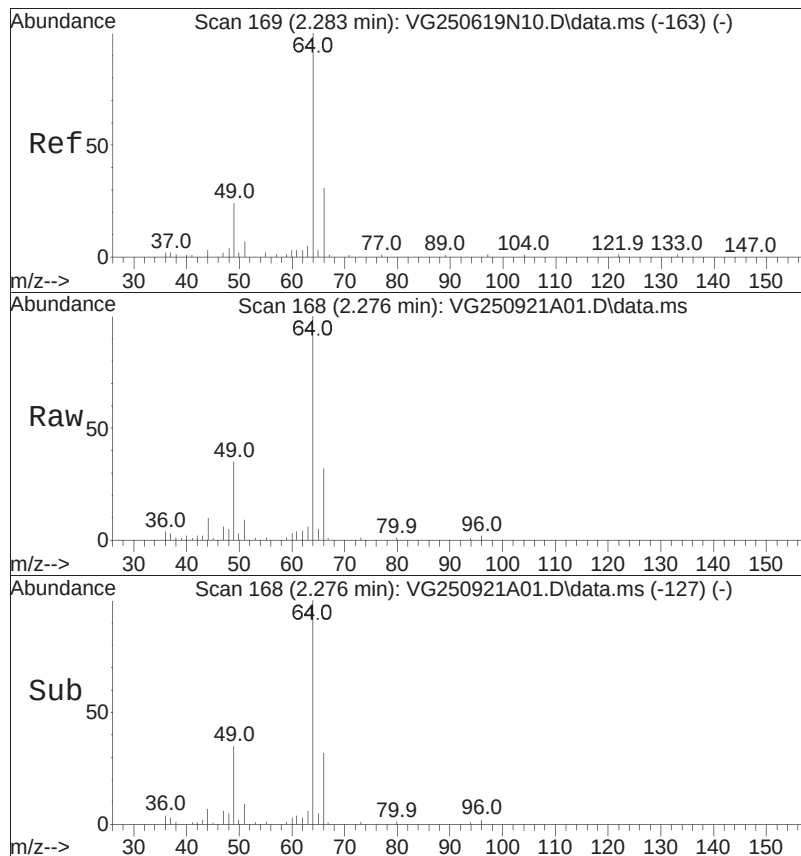




#5
 Bromomethane
 Concen: 4.24 ug/L
 RT: 2.176 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

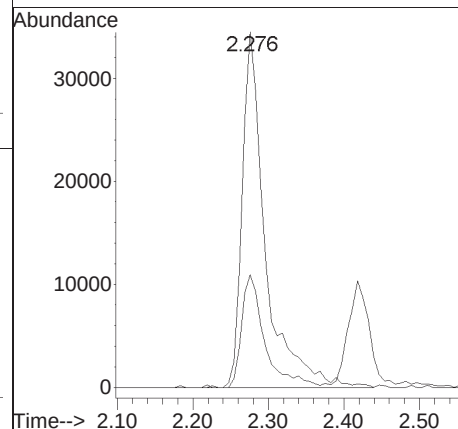
Tgt Ion	Ratio	Lower	Upper
94	100		
96	95.4	75.8	115.8

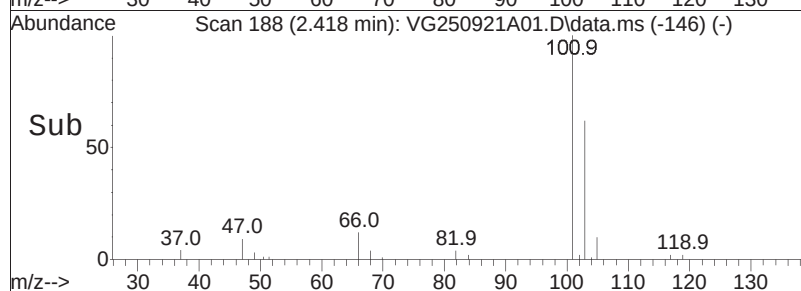
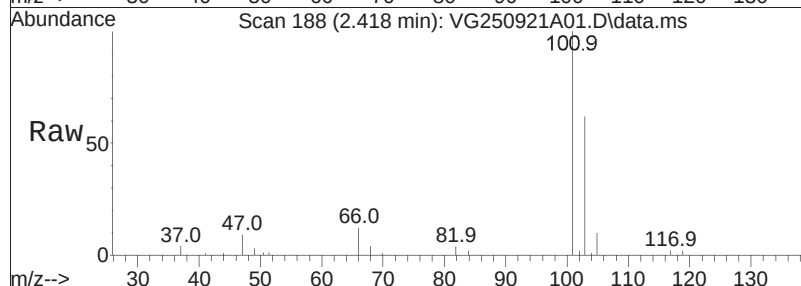
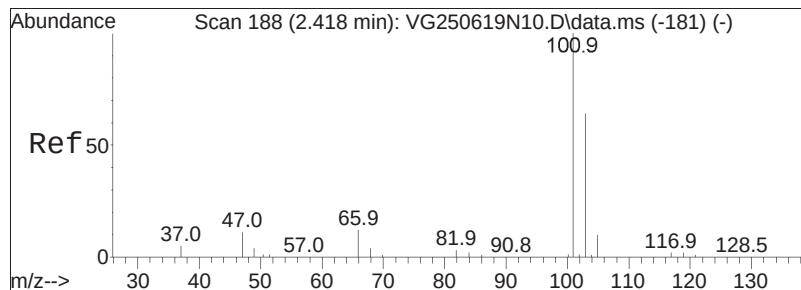




#6
 Chloroethane
 Concen: 8.43 ug/L
 RT: 2.276 min Scan# 168
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.4	12.9	52.9





#7

Trichlorofluoromethane

Concen: 10.22 ug/L

RT: 2.418 min Scan# 188

Delta R.T. -0.000 min

Lab File: VG250921A01.D

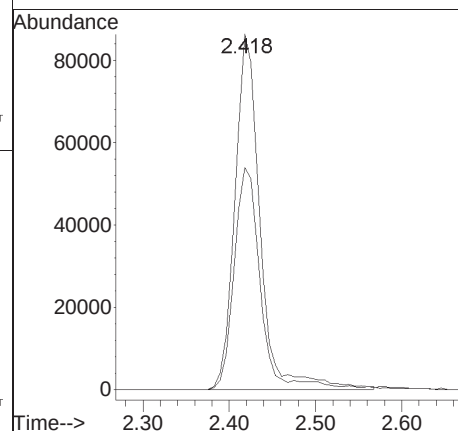
Acq: 21 Sep 2025 8:57 am

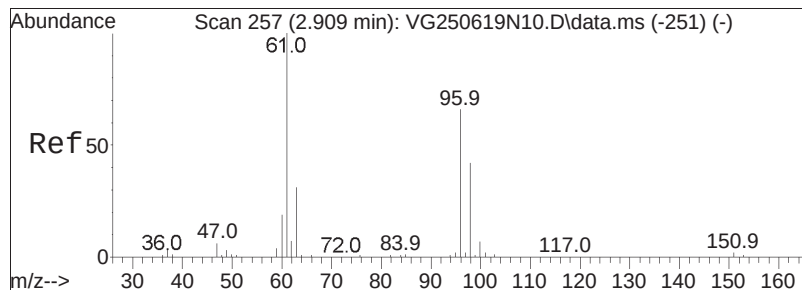
Tgt Ion:101 Resp: 175871

Ion Ratio Lower Upper

101 100

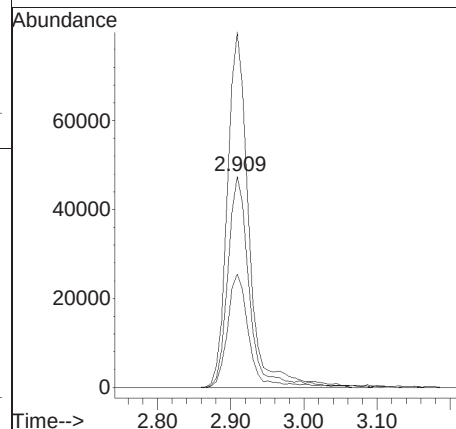
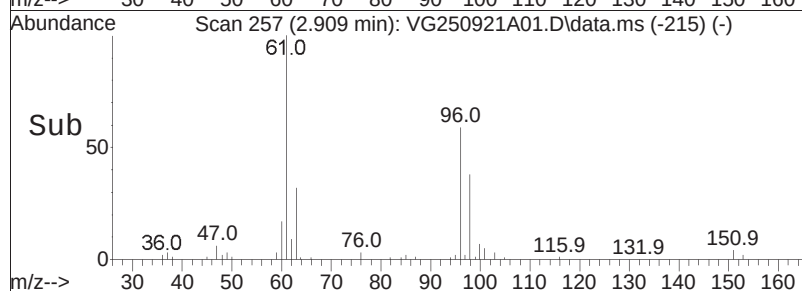
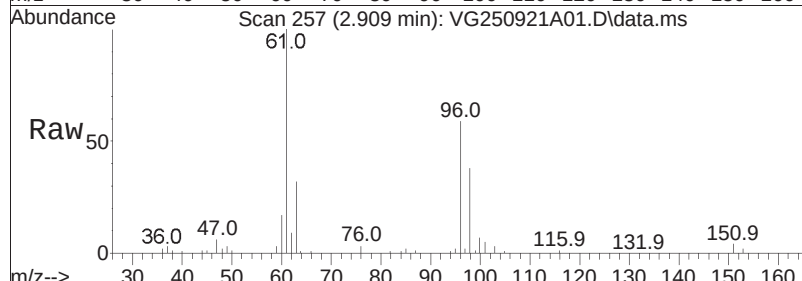
103 64.6 52.2 78.2

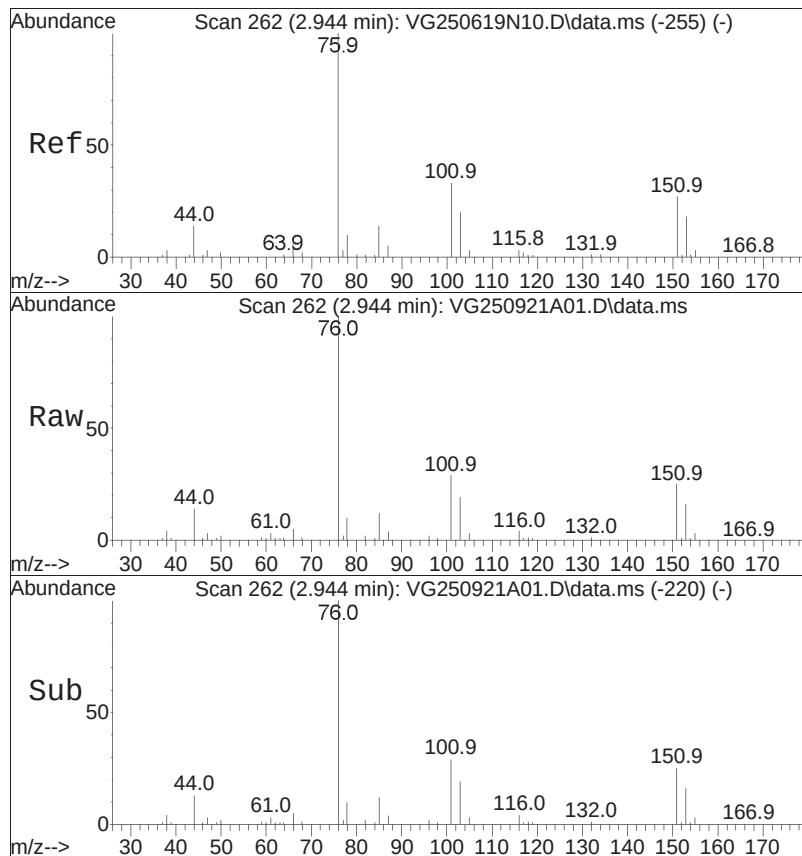




#10
 1,1-Dichloroethene
 Concen: 9.45 ug/L
 RT: 2.909 min Scan# 257
 Delta R.T. -0.000 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

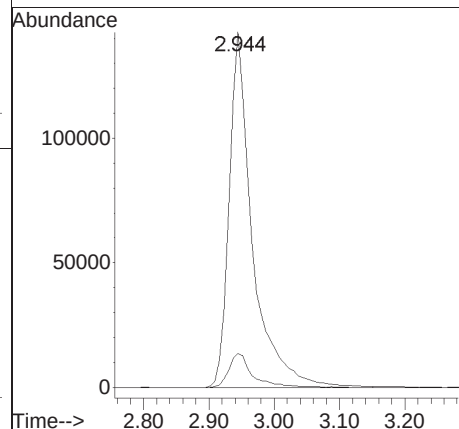
Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.2	121.1	181.7
63	53.1	38.5	57.7

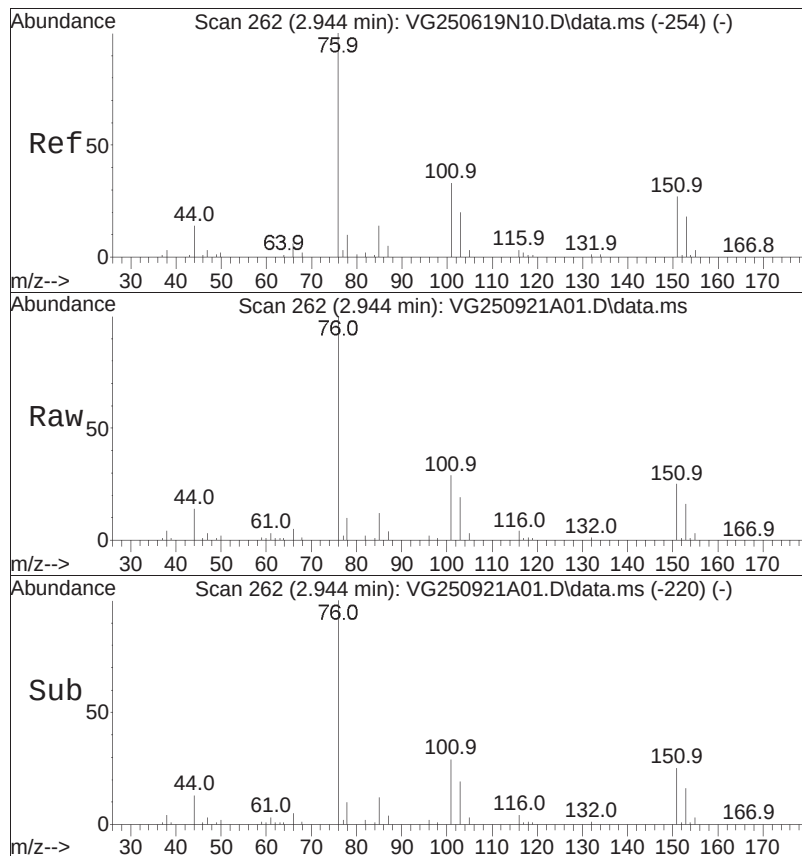




#11
Carbon disulfide
Concen: 11.25 ug/L
RT: 2.944 min Scan# 262
Delta R.T. 0.000 min
Lab File: VG250921A01.D
Acq: 21 Sep 2025 8:57 am

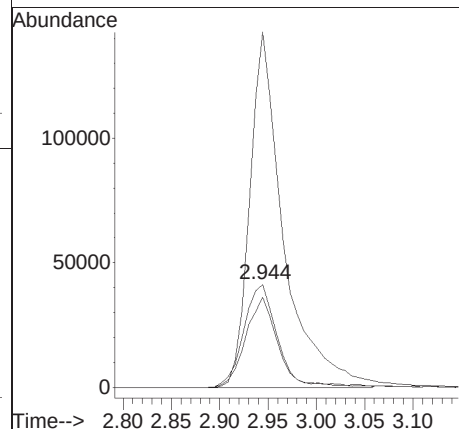
Tgt	Ion	Ratio	Lower	Upper
76	100			
78	9.6	6.3	13.1	

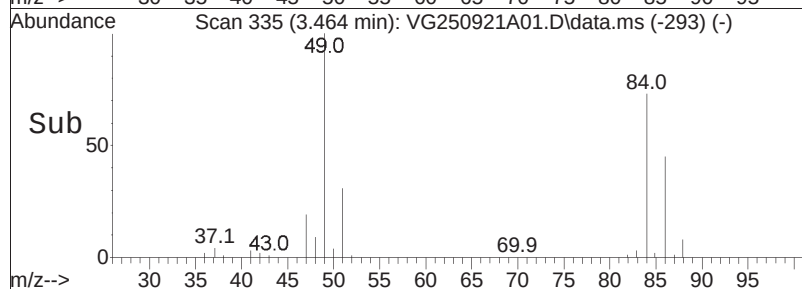
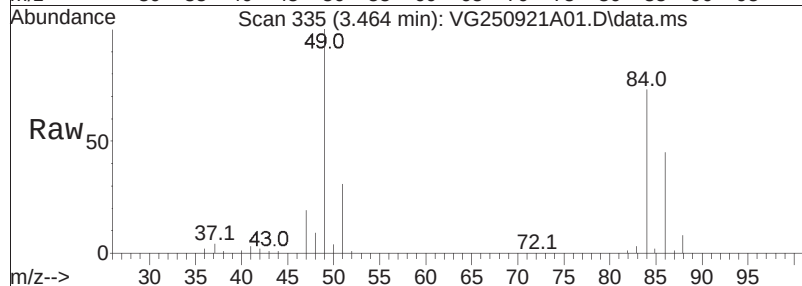
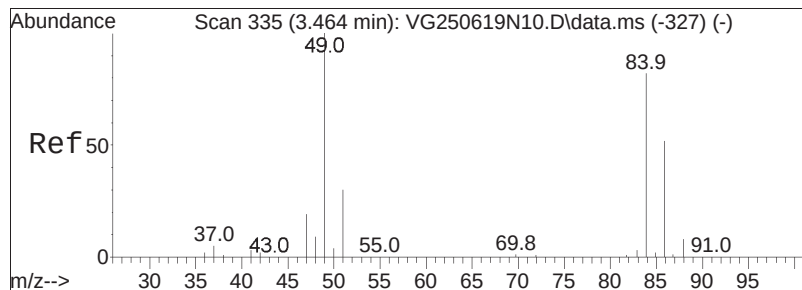




#12
 Freon-113
 Concen: 9.79 ug/L
 RT: 2.944 min Scan# 262
 Delta R.T. 0.000 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

Tgt	Ion	Ratio	Lower	Upper
101	101	100		
151	83.5	68.3	102.5	
76	348.5	238.0	357.0	





#15

Methylene chloride

Concen: 9.77 ug/L

RT: 3.464 min Scan# 335

Delta R.T. -0.000 min

Lab File: VG250921A01.D

Acq: 21 Sep 2025 8:57 am

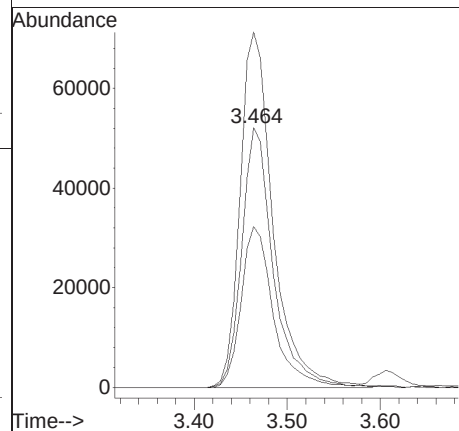
Tgt Ion: 84 Resp: 123088

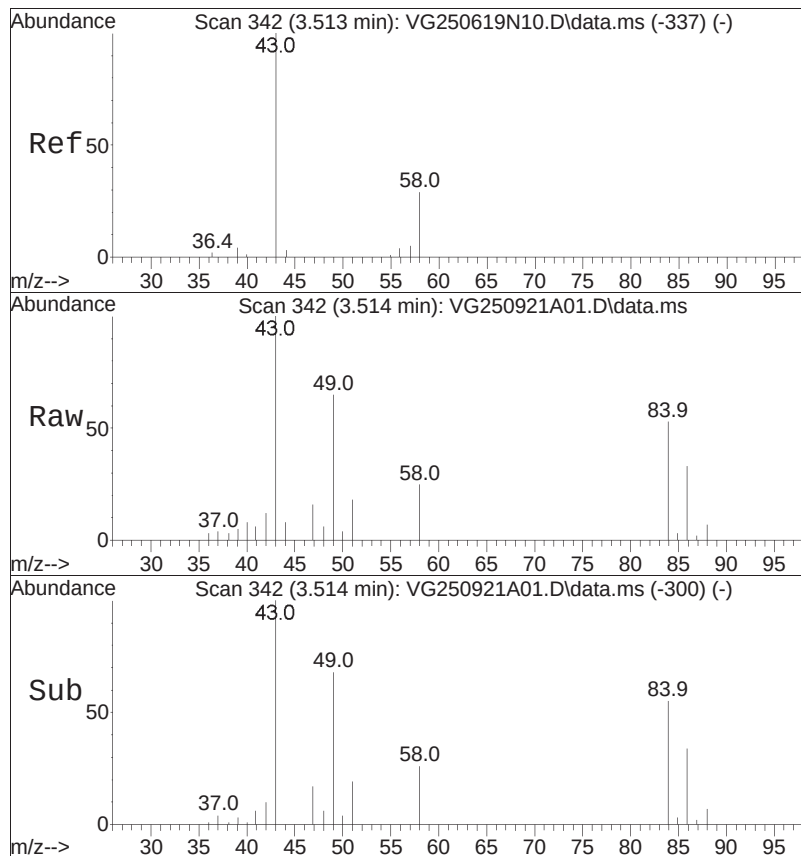
Ion Ratio Lower Upper

84 100

86 63.8 41.7 86.7

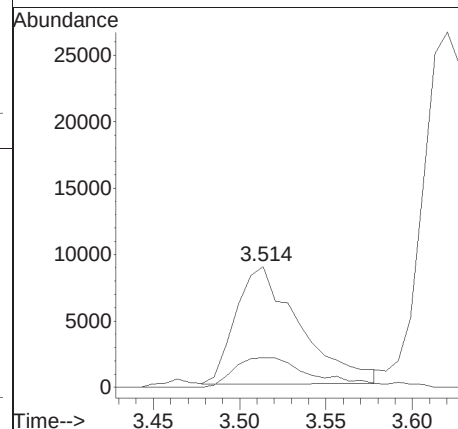
49 142.3 78.6 163.3

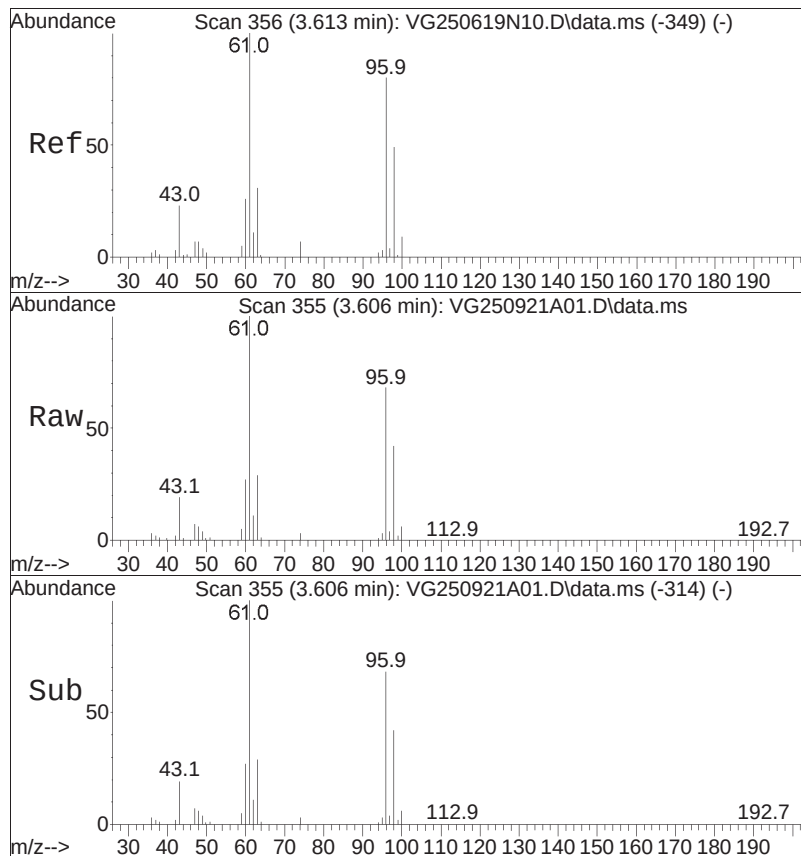




#17
 Acetone
 Concen: 9.35 ug/L
 RT: 3.514 min Scan# 342
 Delta R.T. 0.001 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

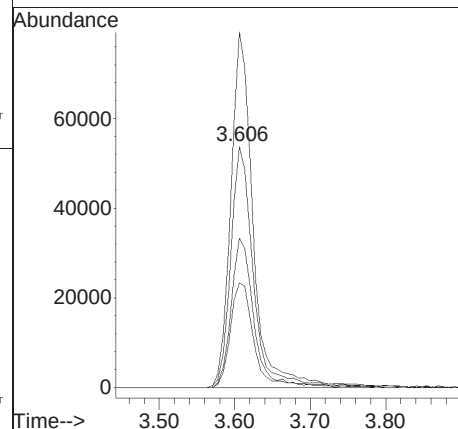
Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.2	39.2

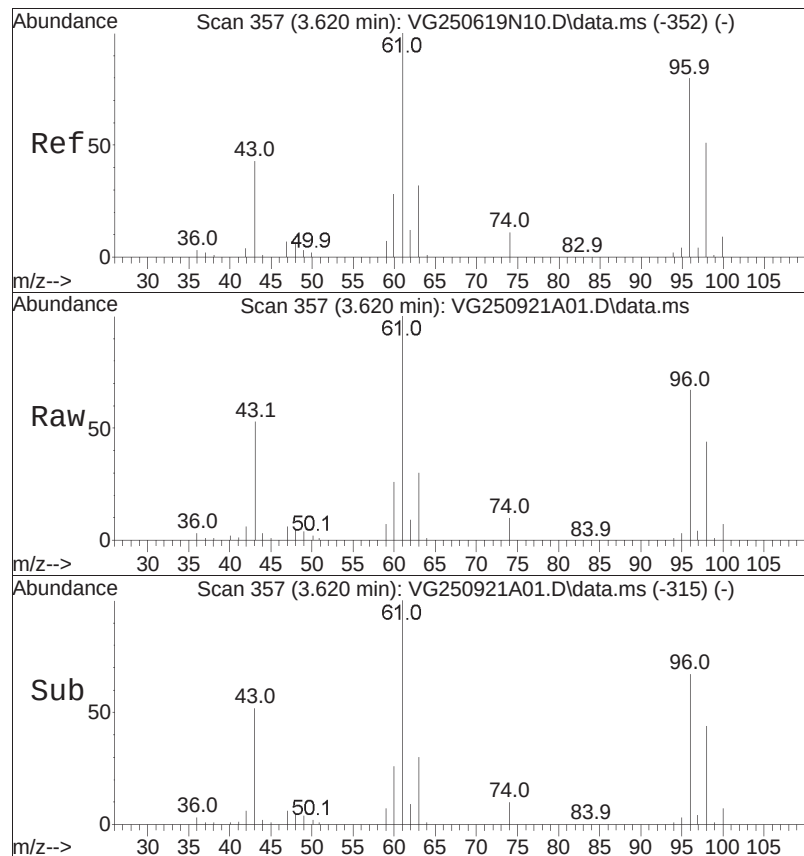




#18
 trans-1,2-Dichloroethene
 Concen: 10.10 ug/L
 RT: 3.606 min Scan# 355
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

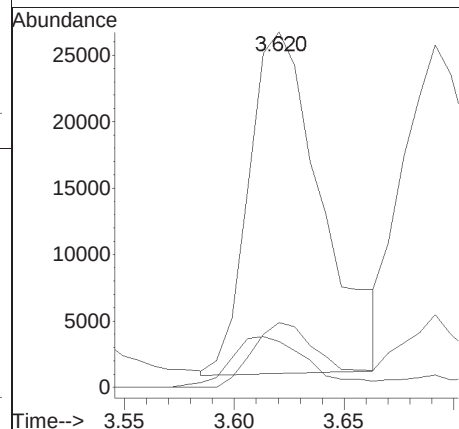
Tgt Ion:	96	Resp:	113332
Ion Ratio	Lower	Upper	
96	100		
61	142.5	85.7	177.9
98	62.1	42.8	88.8
63	44.7	26.5	55.1

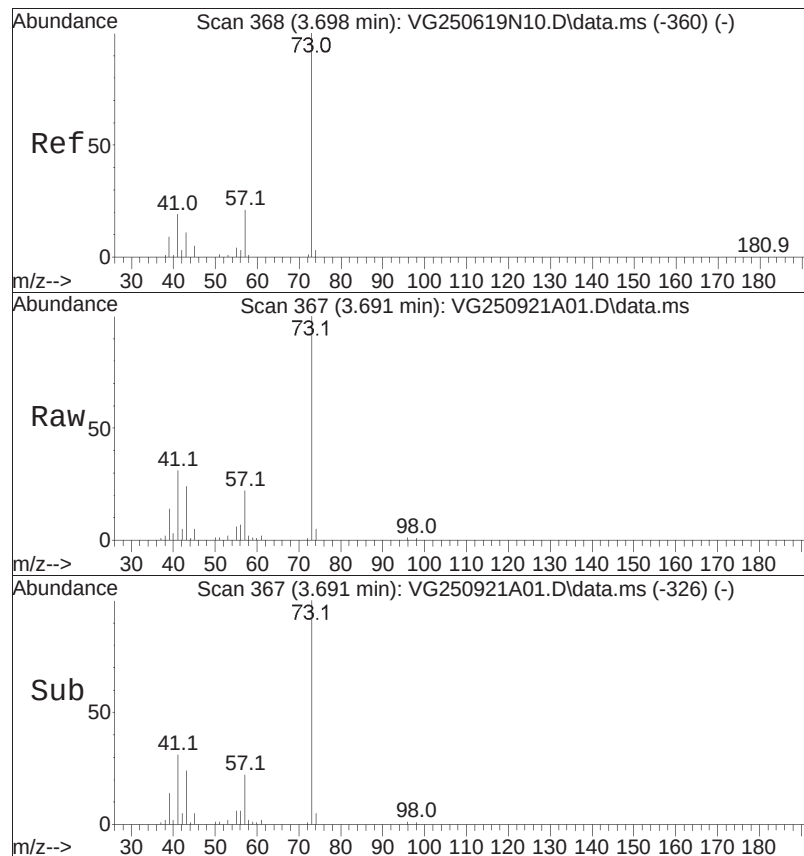




#19
Methyl acetate
Concen: 10.27 ug/L
RT: 3.620 min Scan# 357
Delta R.T. 0.000 min
Lab File: VG250921A01.D
Acq: 21 Sep 2025 8:57 am

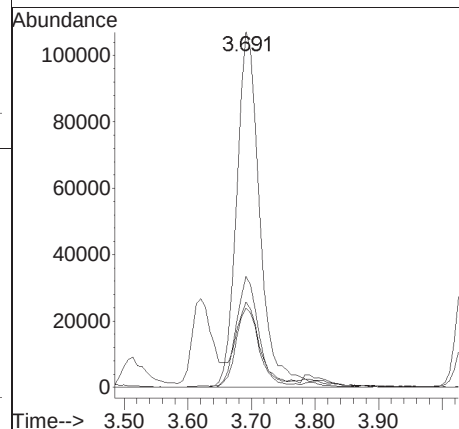
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	59272		
74	18.6		19.3	28.9#
59	15.8		13.3	19.9

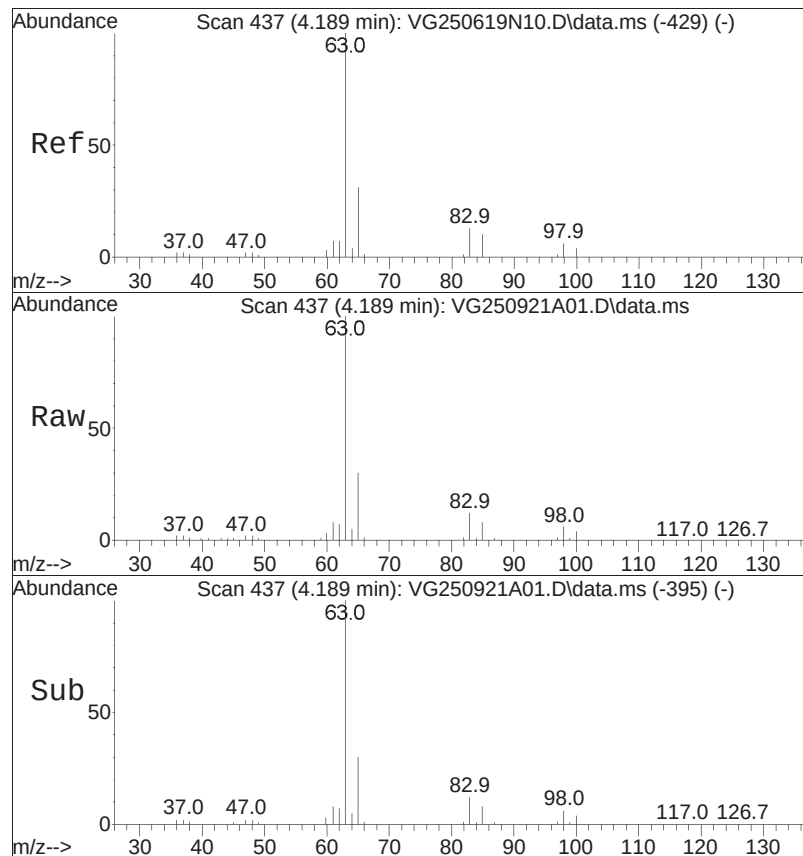




#20
Methyl tert-butyl ether
Concen: 8.47 ug/L
RT: 3.691 min Scan# 367
Delta R.T. -0.007 min
Lab File: VG250921A01.D
Acq: 21 Sep 2025 8:57 am

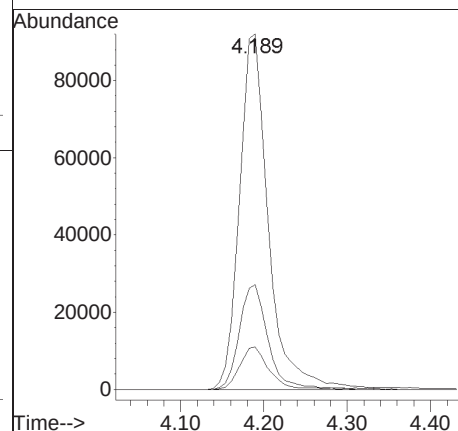
Tgt Ion:	73	Resp:	276664
Ion Ratio	Lower	Upper	
73	100		
57	22.3	13.1	27.3
43	20.4	14.1	29.3
41	30.8	11.7	24.3#

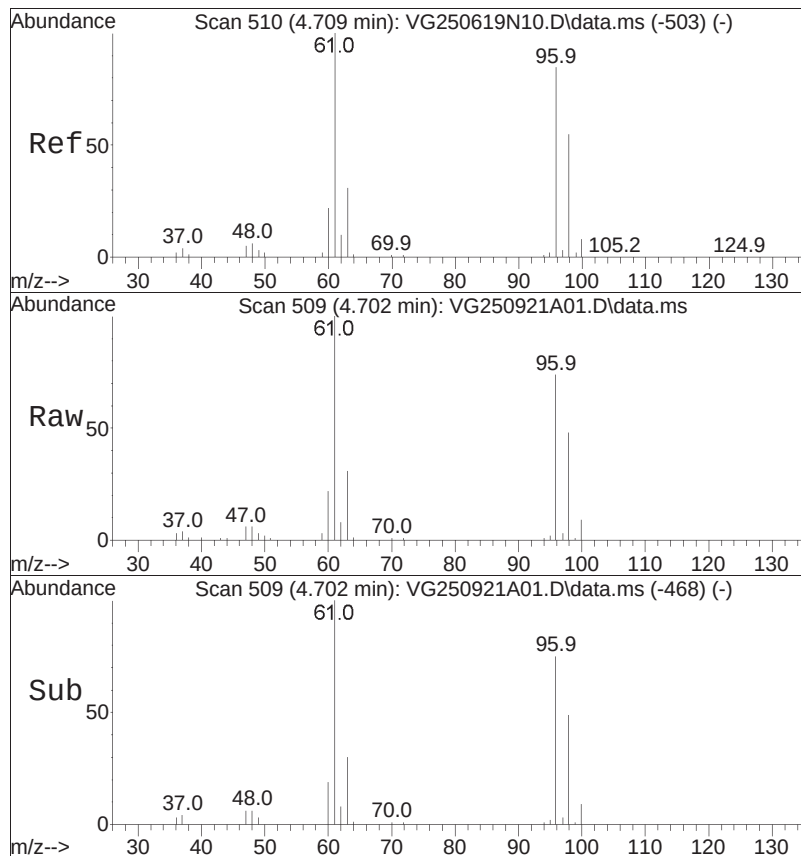




#23
 1,1-Dichloroethane
 Concen: 11.20 ug/L
 RT: 4.189 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

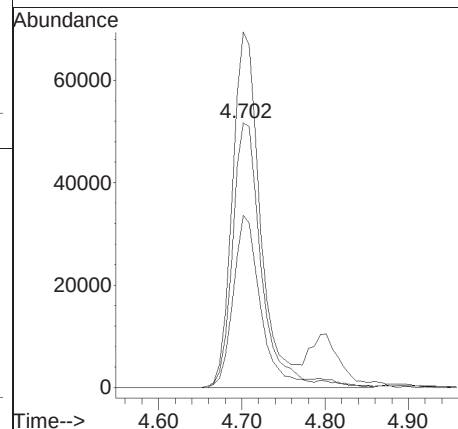
Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.5	9.7	49.7
83	12.1	0.0	33.1

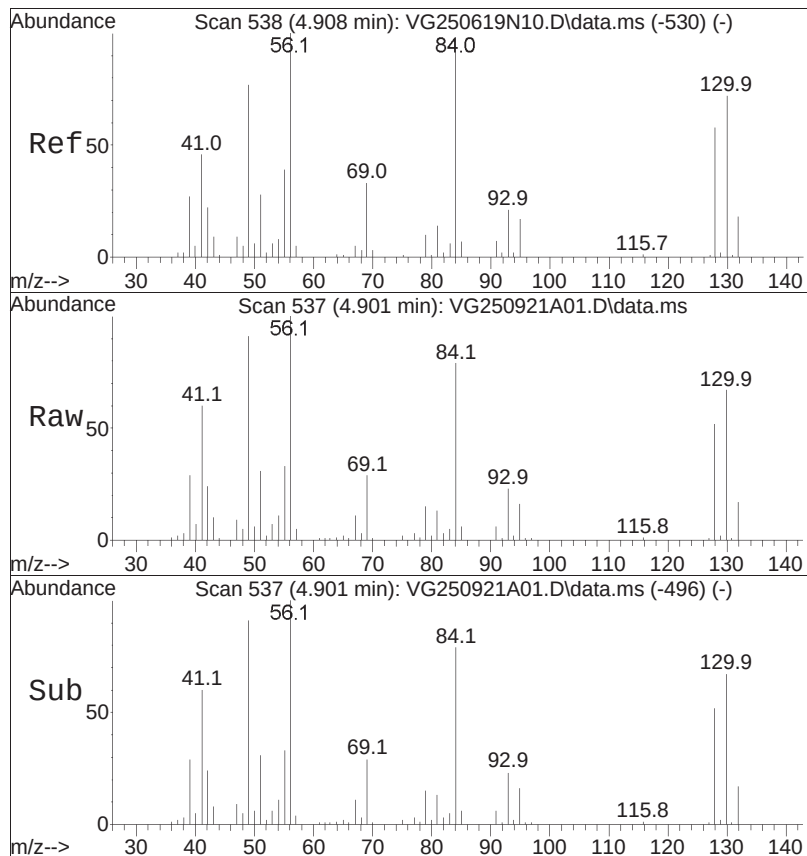




#28
 cis-1,2-Dichloroethene
 Concen: 9.65 ug/L
 RT: 4.702 min Scan# 509
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

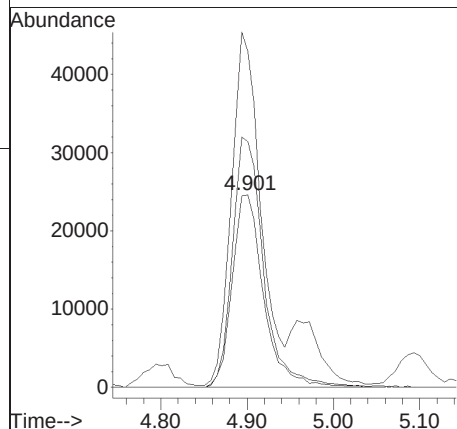
Tgt Ion:	96	Resp:	126119
Ion Ratio	Lower	Upper	
96	100		
61	127.3	87.4	131.2
98	61.1	47.5	71.3

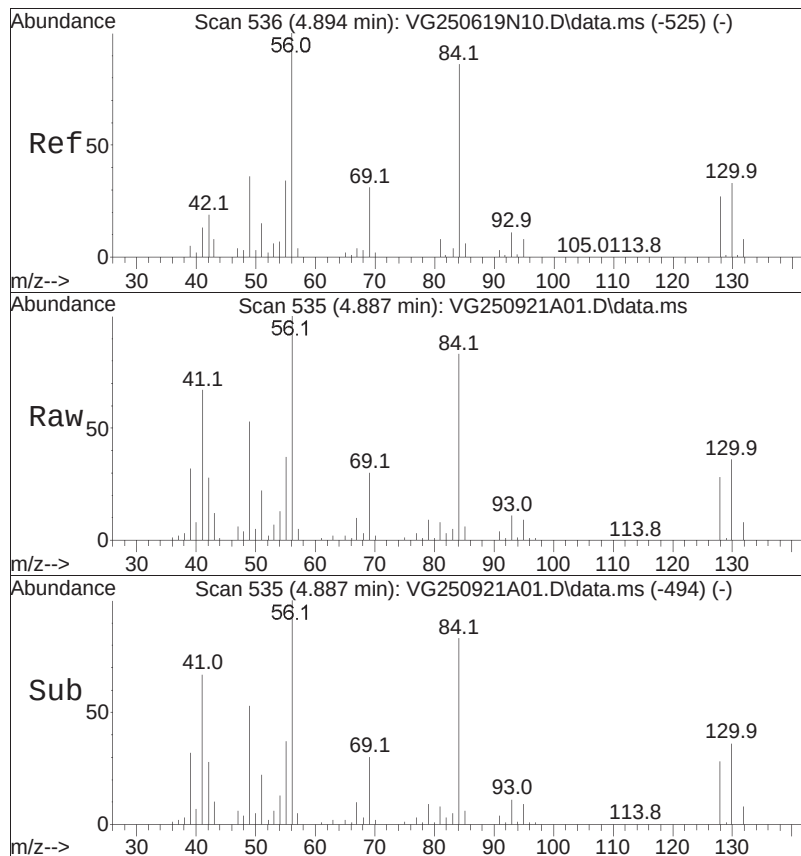




#30
 Bromochloromethane
 Concen: 10.25 ug/L
 RT: 4.901 min Scan# 537
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

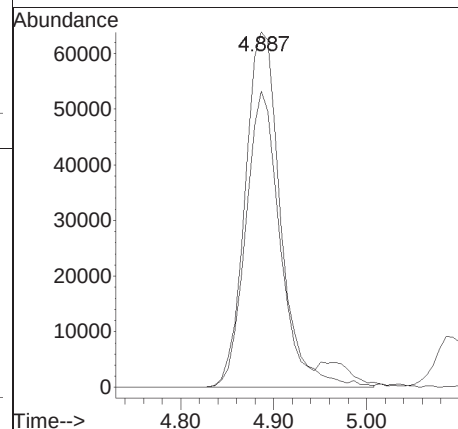
Tgt Ion:	128	Resp:	62699
Ion Ratio	Lower	Upper	
128	100		
49	168.4	105.7	158.5#
130	129.1	100.9	151.3

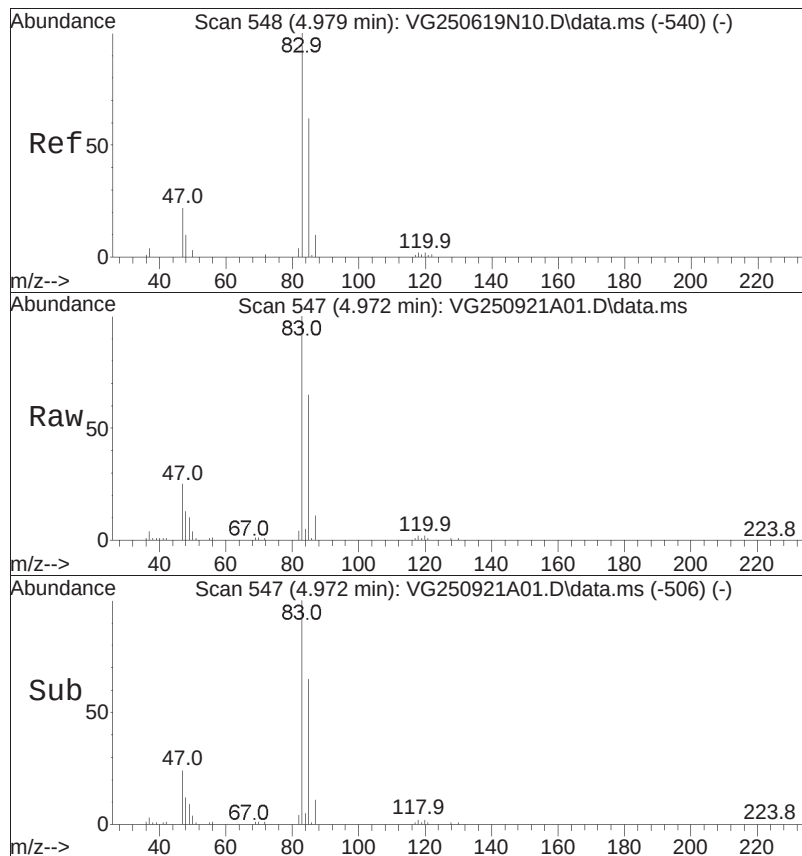




#31
 Cyclohexane
 Concen: 9.82 ug/L
 RT: 4.887 min Scan# 535
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

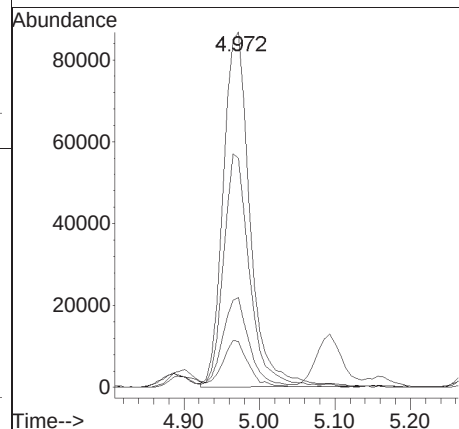
Tgt	Ion	Resp	Lower	Upper
56	100			
84	79.1	56.0	116.2	

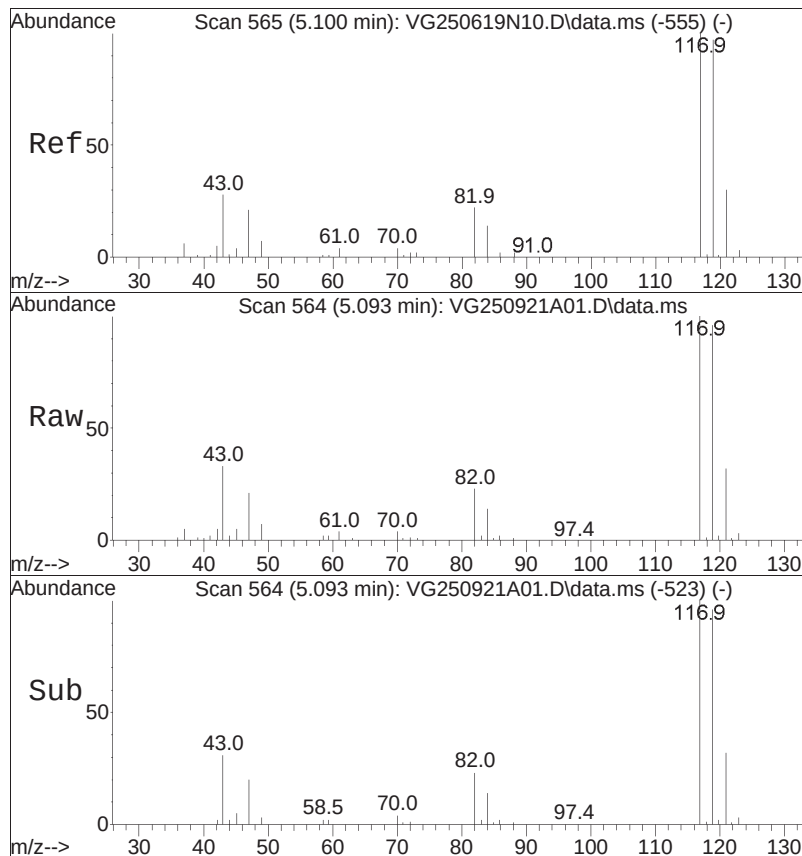




#32
 Chloroform
 Concen: 10.53 ug/L
 RT: 4.972 min Scan# 547
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

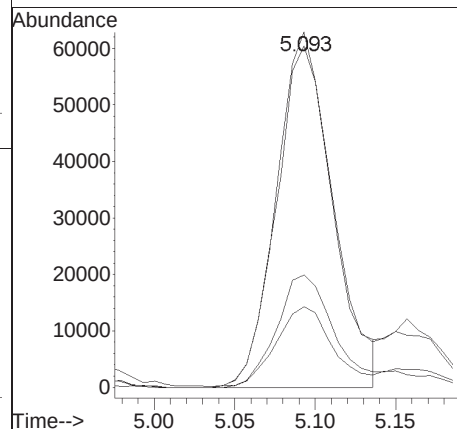
Tgt Ion:	83	Resp:	215096
Ion Ratio	Lower	Upper	
83	100		
85	62.3	40.8	84.6
47	24.5	13.5	28.1
48	12.4	7.2	15.0

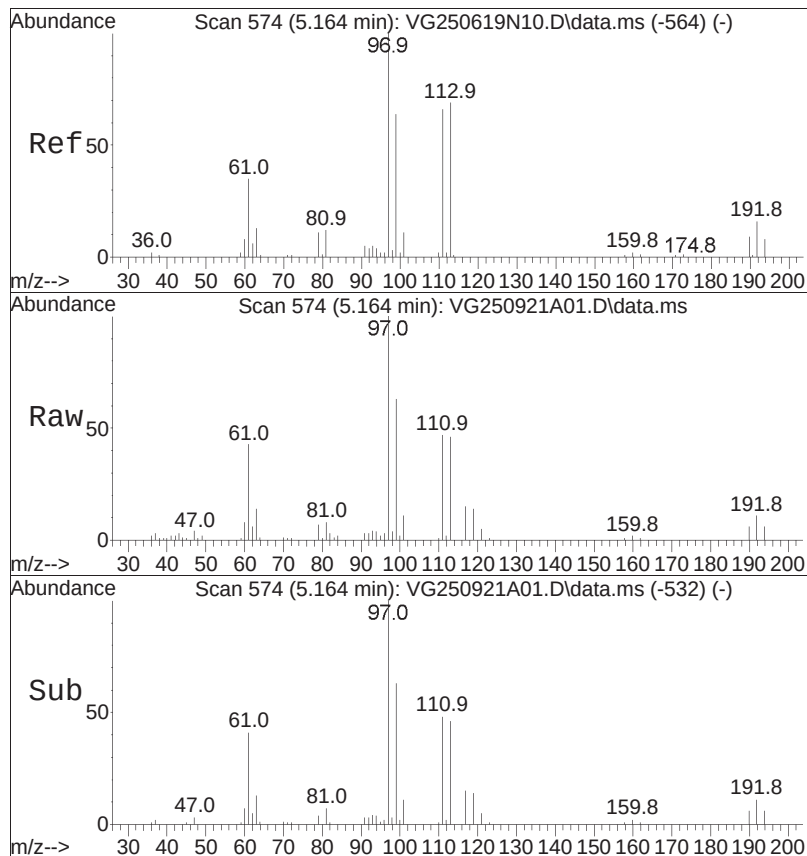




#34
 Carbon tetrachloride
 Concen: 9.38 ug/L
 RT: 5.093 min Scan# 564
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

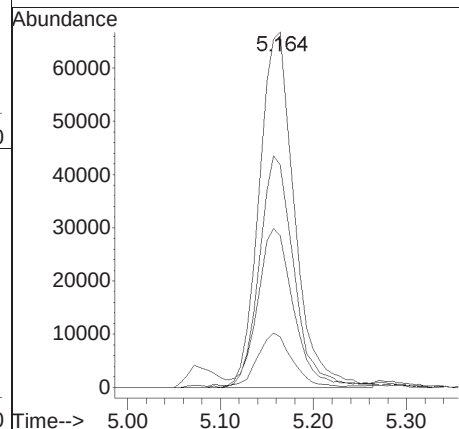
Tgt Ion:	117	Resp:	152981
Ion Ratio	Lower	Upper	
117	100		
119	96.9	60.6	125.8
121	32.7	19.9	41.3
82	22.7	13.8	28.8

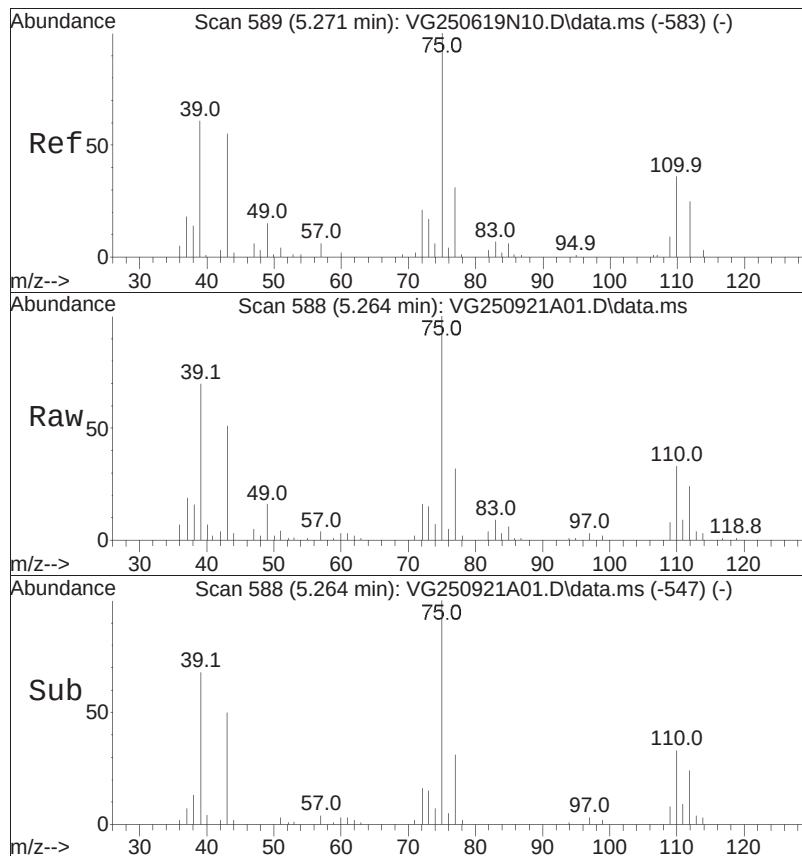




#37
 1,1,1-Trichloroethane
 Concen: 9.89 ug/L
 RT: 5.164 min Scan# 574
 Delta R.T. 0.000 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

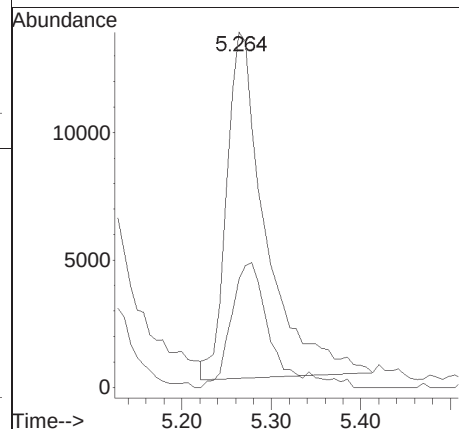
Tgt Ion:	97	Resp:	176758
Ion Ratio	Lower	Upper	
97	100		
99	63.9	41.0	85.0
61	45.6	26.7	55.4
63	15.1	8.6	17.8

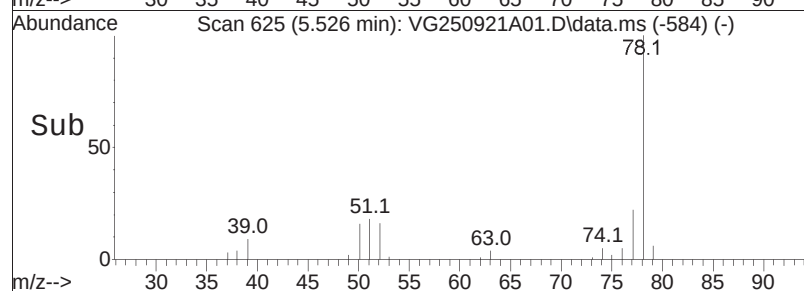
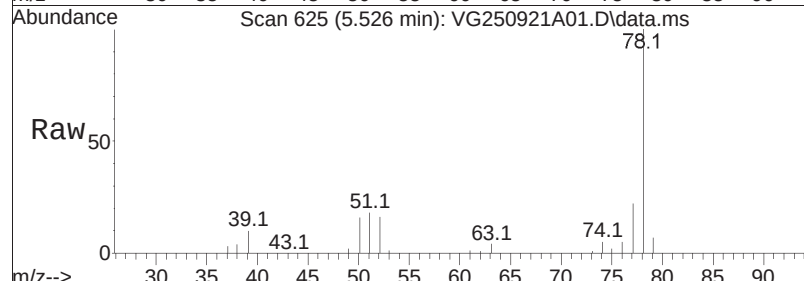
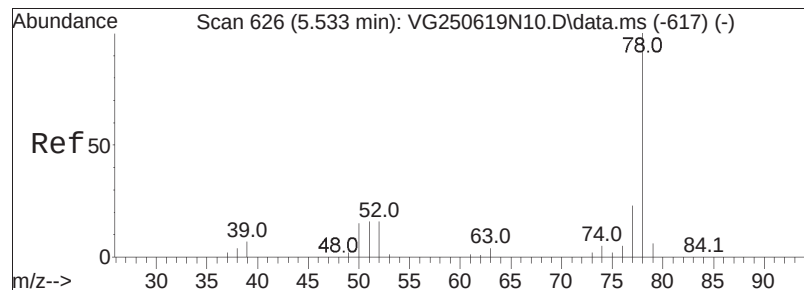




#39
 2-Butanone
 Concen: 11.12 ug/L
 RT: 5.264 min Scan# 588
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

Tgt	Ion	Ratio	Lower	Upper
43	100			
72	33.7	41.3	61.9	





#41

Benzene

Concen: 10.76 ug/L

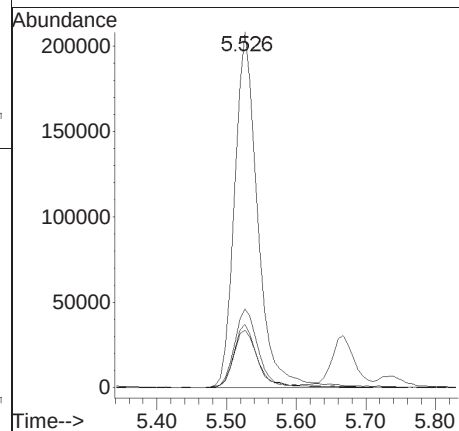
RT: 5.526 min Scan# 625

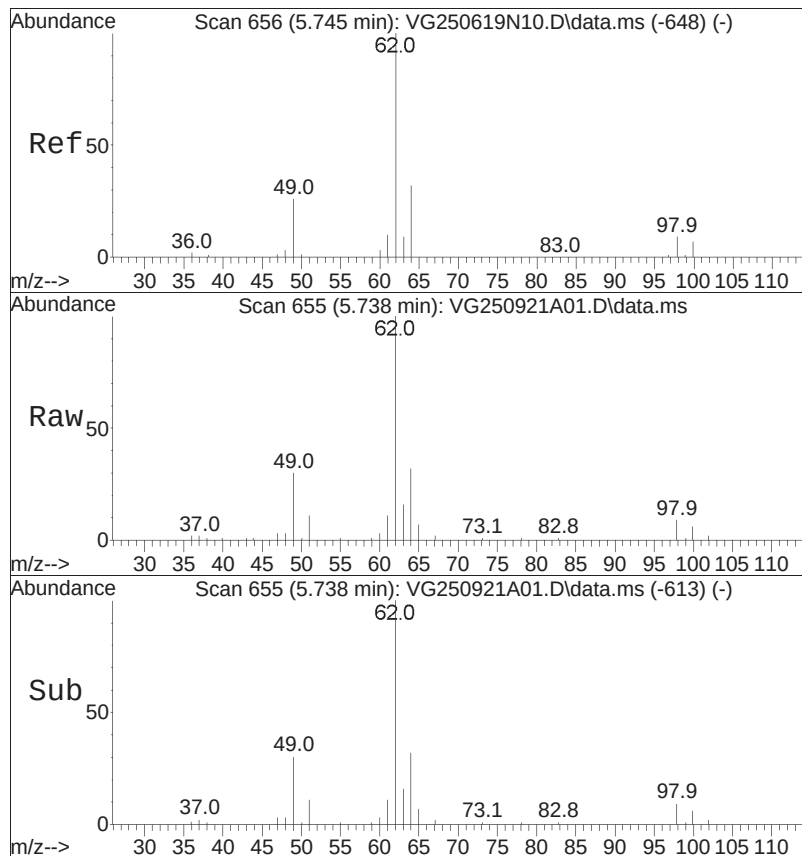
Delta R.T. -0.007 min

Lab File: VG250921A01.D

Acq: 21 Sep 2025 8:57 am

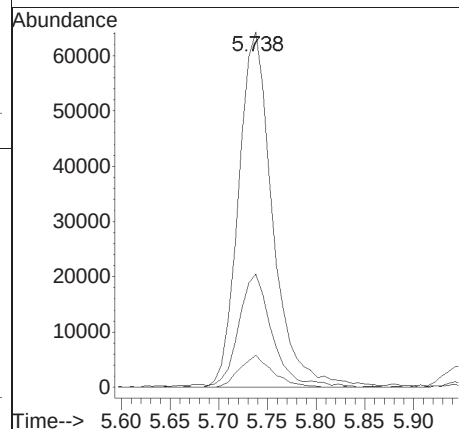
Tgt Ion:	78	Resp:	479980
Ion	Ratio	Lower	Upper
78	100		
77	22.7	15.1	31.3
51	17.7	10.3	21.3
52	17.5	9.9	20.7

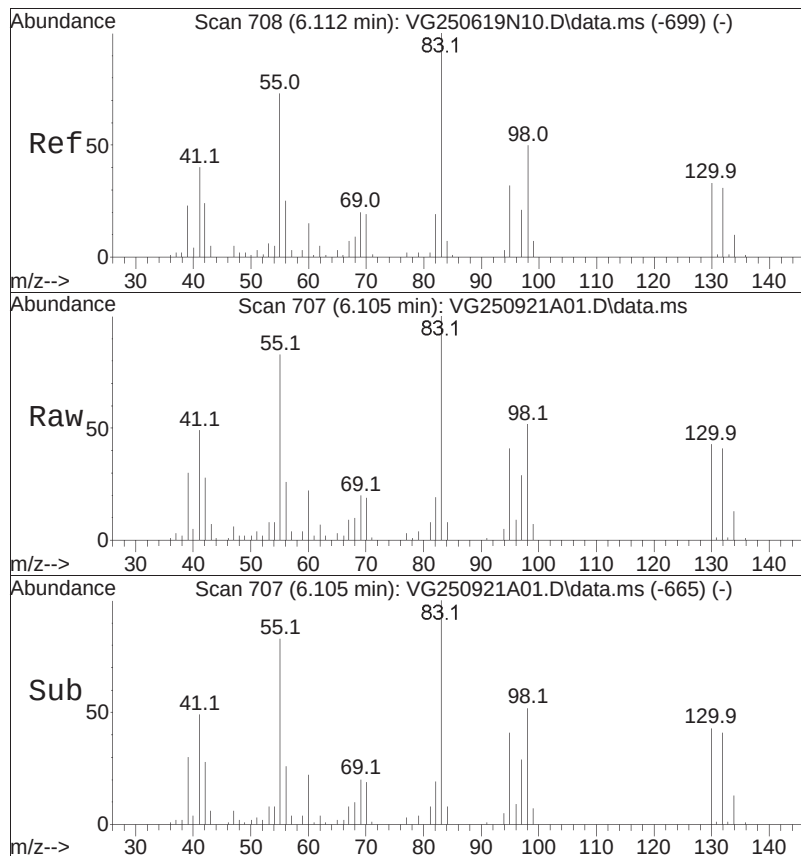




#44
 1,2-Dichloroethane
 Concen: 10.76 ug/L
 RT: 5.738 min Scan# 655
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

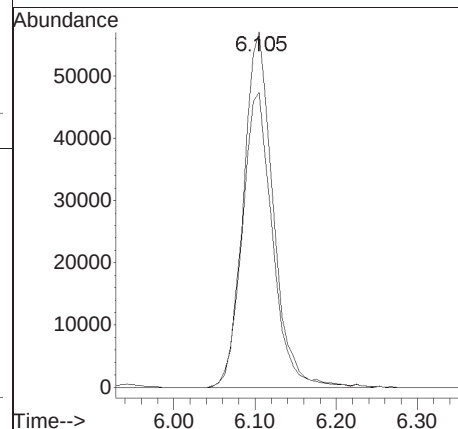
Tgt Ion:	62	Resp:	157348
Ion Ratio	Lower	Upper	
62	100		
64	32.1	10.9	50.9
98	8.8	0.0	29.9

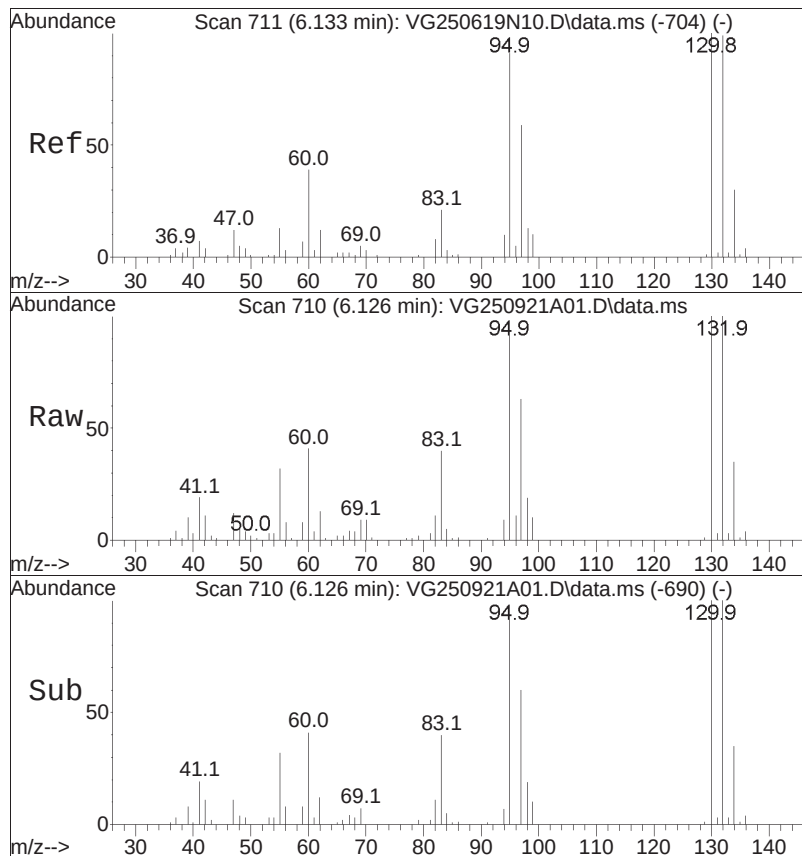




#47
Methyl cyclohexane
Concen: 9.10 ug/L
RT: 6.105 min Scan# 707
Delta R.T. -0.007 min
Lab File: VG250921A01.D
Acq: 21 Sep 2025 8:57 am

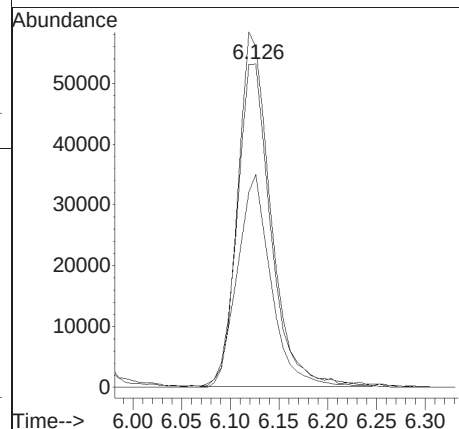
Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.1	59.9	89.9

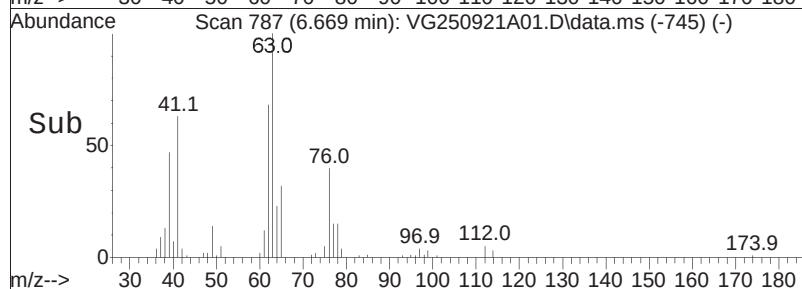
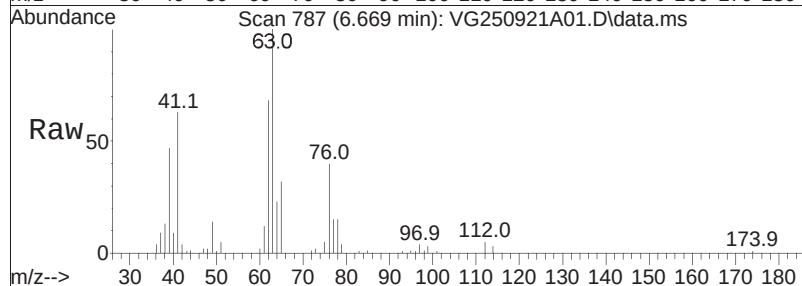
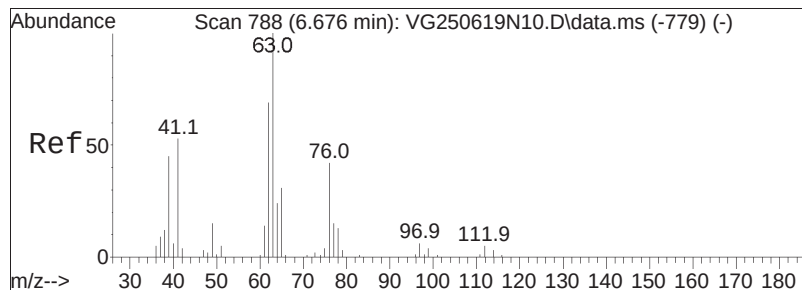




#48
 Trichloroethene
 Concen: 10.43 ug/L
 RT: 6.126 min Scan# 710
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

Tgt Ion	Ratio	Lower	Upper
95	100		
97	67.4	53.8	80.6
130	109.2	87.0	130.6





#51

1,2-Dichloropropane

Concen: 10.59 ug/L

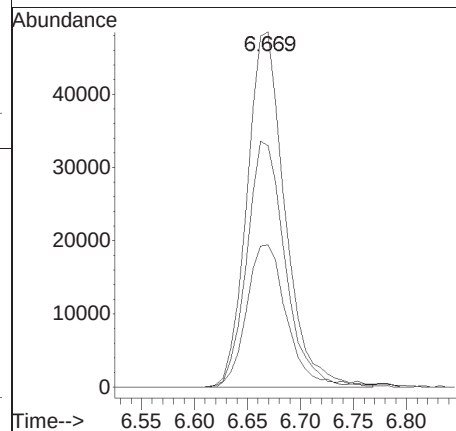
RT: 6.669 min Scan# 787

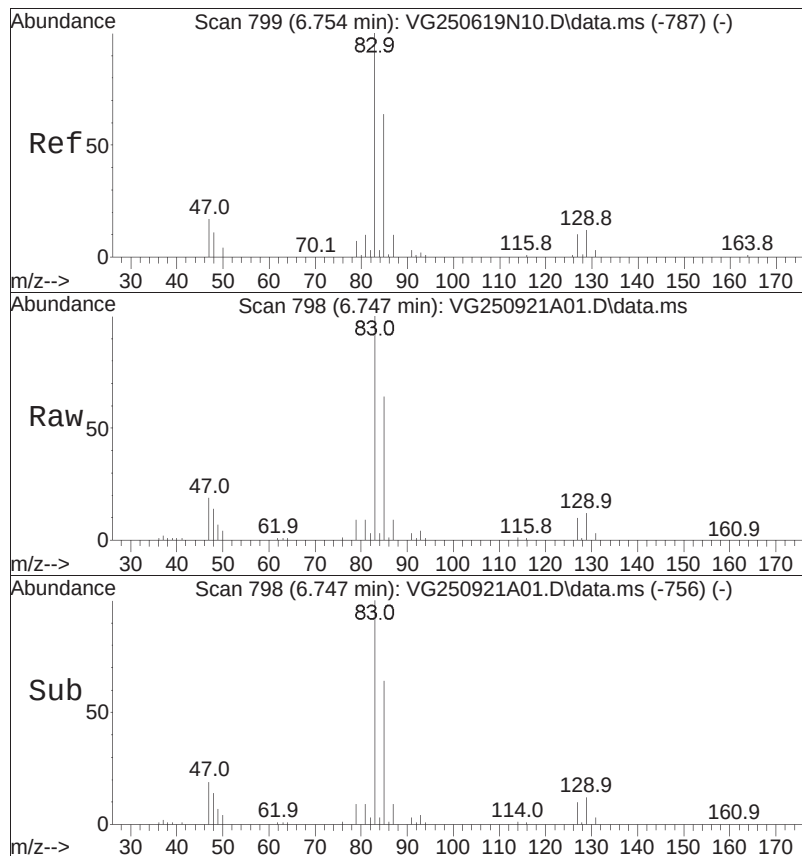
Delta R.T. -0.007 min

Lab File: VG250921A01.D

Acq: 21 Sep 2025 8:57 am

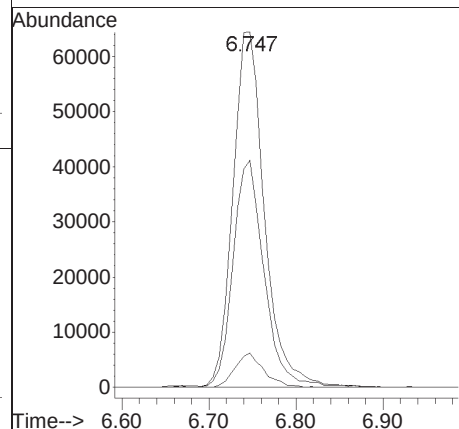
Tgt Ion:	63	Resp:	121407
Ion Ratio	Lower	Upper	
63	100		
62	70.1	54.1	81.1
76	42.6	33.8	50.6

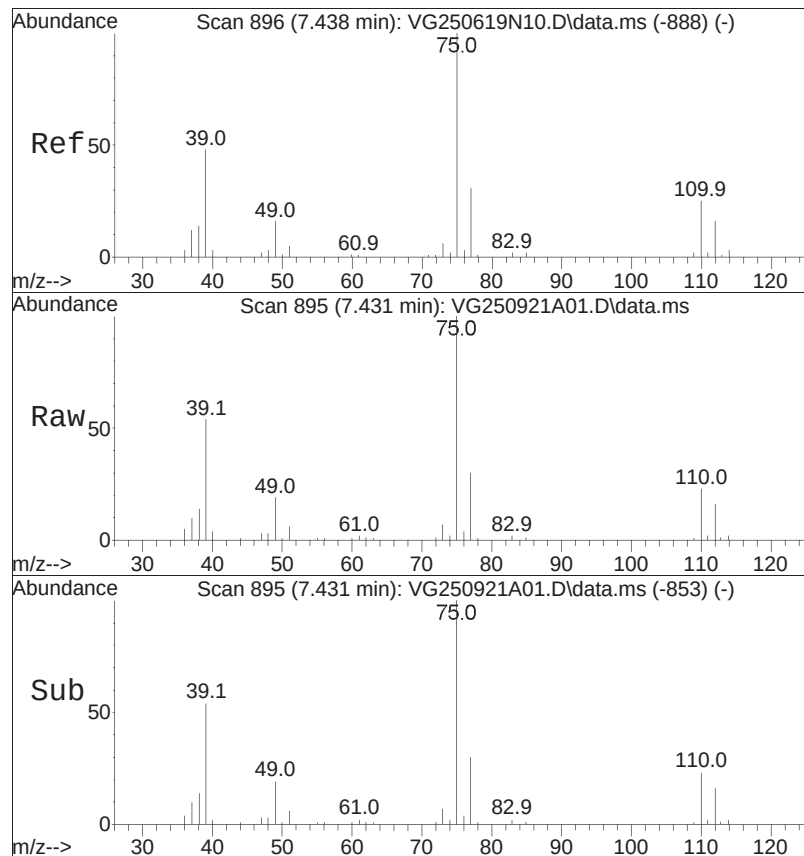




#54
 Bromodichloromethane
 Concen: 10.07 ug/L
 RT: 6.747 min Scan# 798
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

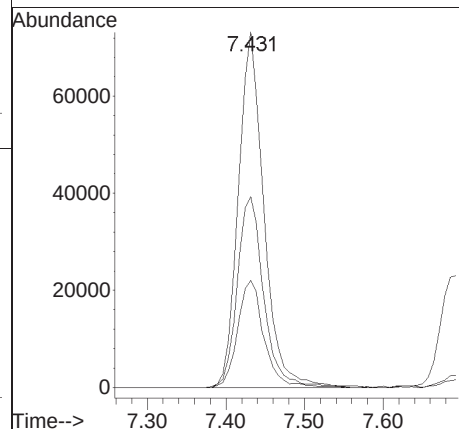
Tgt	Ion: 83	Resp:	163169
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.0	76.6
127	8.9	7.8	11.6

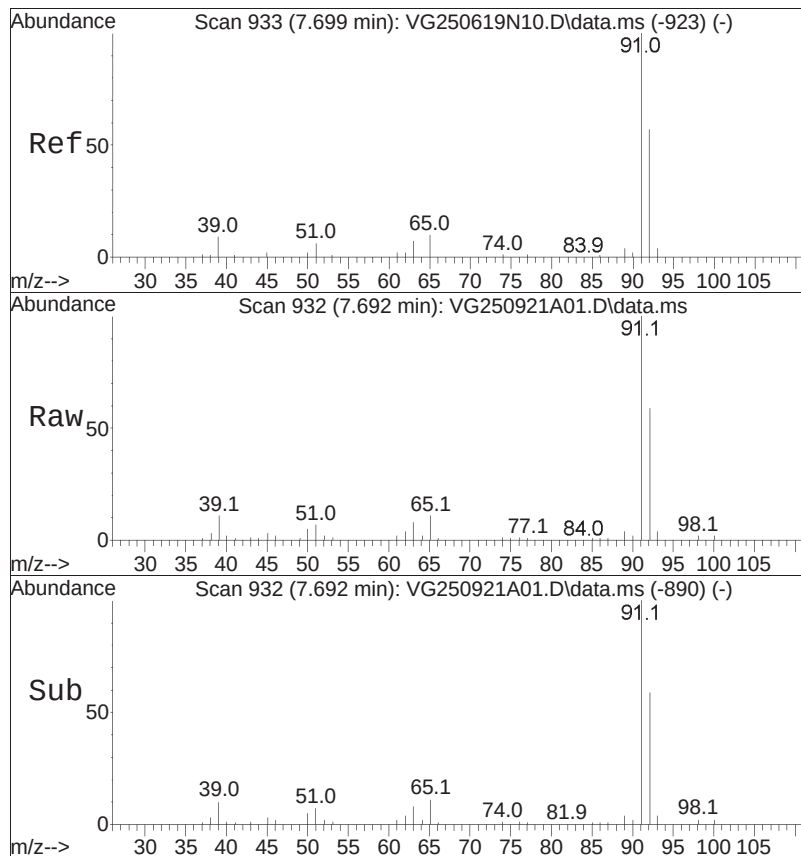




#58
 cis-1,3-Dichloropropene
 Concen: 8.72 ug/L
 RT: 7.431 min Scan# 895
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

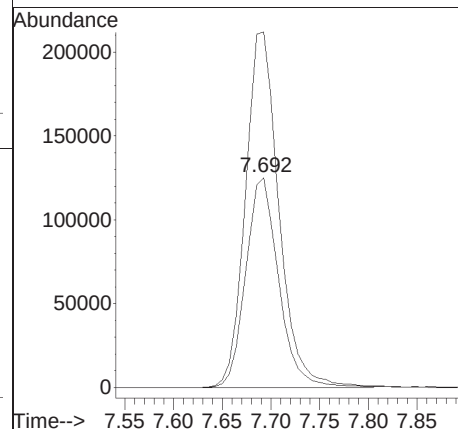
Tgt	Ion: 75	Resp:	165408
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	55.4	39.9	59.9

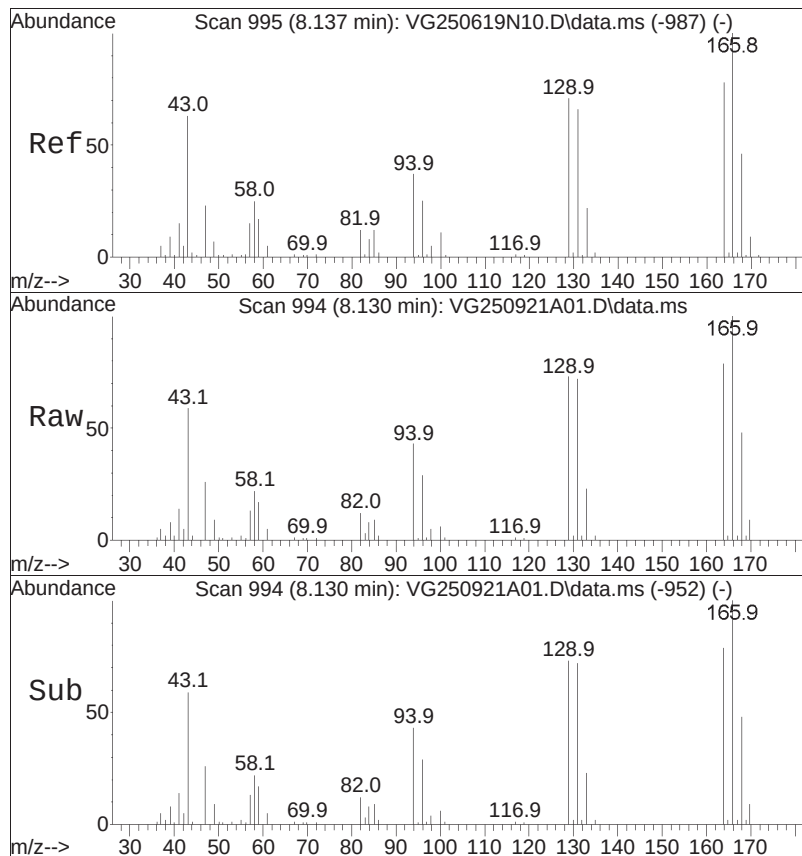




#61
 Toluene
 Concen: 10.40 ug/L
 RT: 7.692 min Scan# 932
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

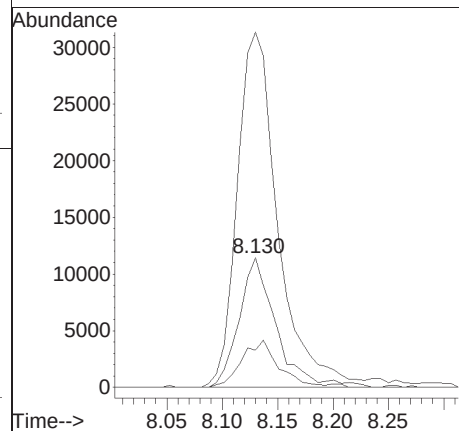
Tgt Ion:	92	Resp:	293415
Ion Ratio	Lower	Upper	
92	100		
91	173.0	138.2	207.2

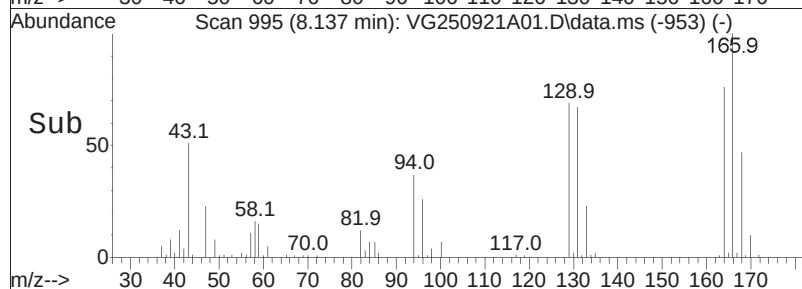
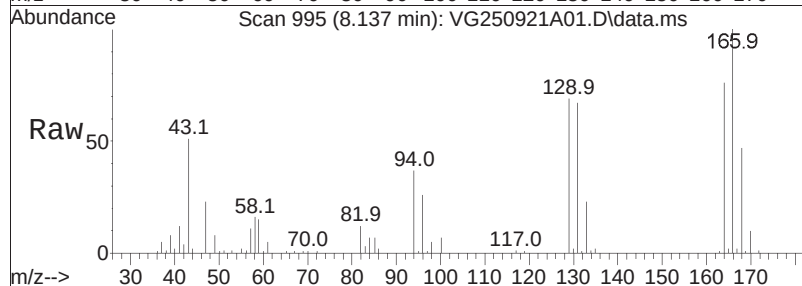
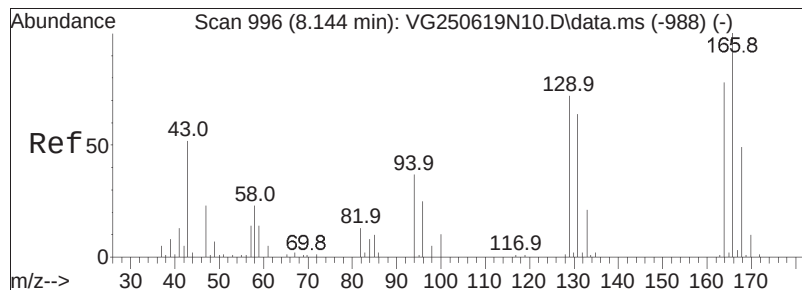




#62
 4-Methyl-2-pentanone
 Concen: 7.76 ug/L
 RT: 8.130 min Scan# 994
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

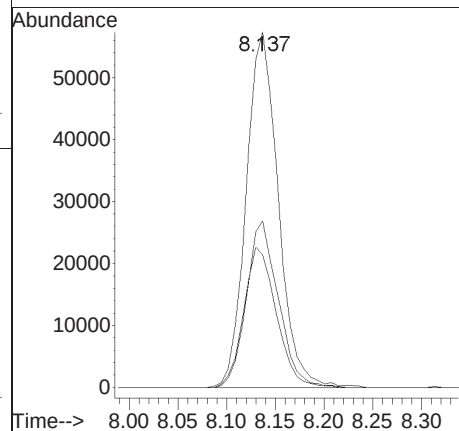
Tgt	Ion	Resp	Lower	Upper
58	100	26702		
100	36.3		33.9	50.9
43	299.5		193.0	289.6#

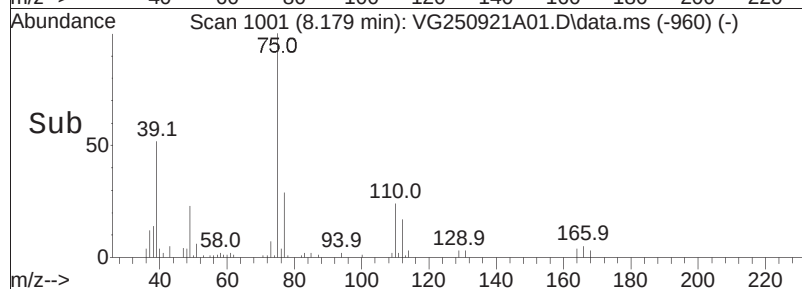
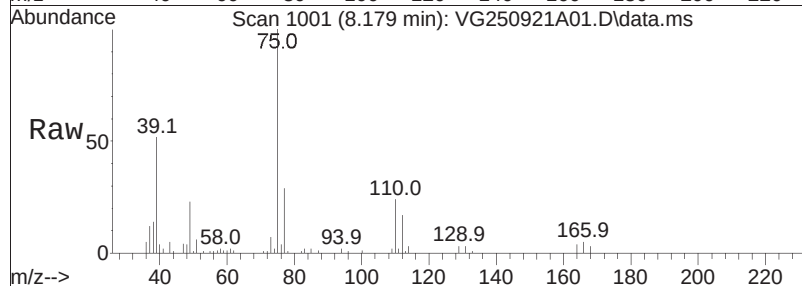
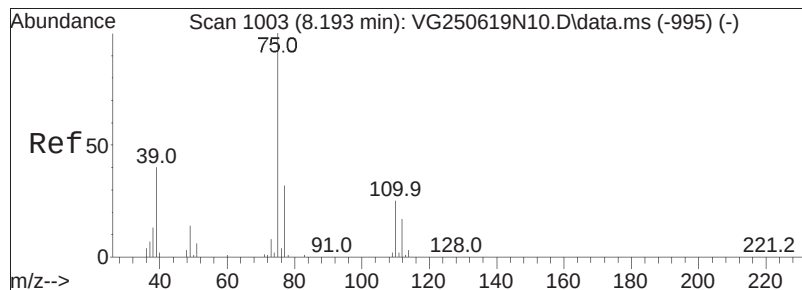




#63
Tetrachloroethene
Concen: 10.07 ug/L
RT: 8.137 min Scan# 995
Delta R.T. -0.007 min
Lab File: VG250921A01.D
Acq: 21 Sep 2025 8:57 am

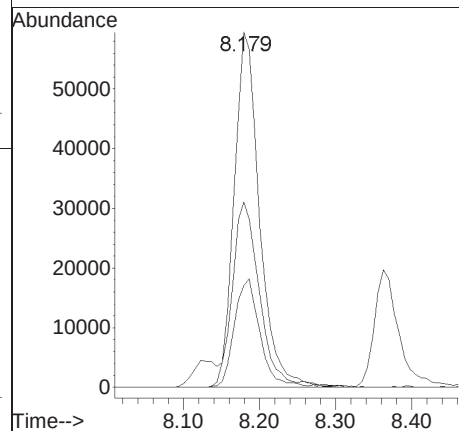
Tgt Ion	Ratio	Lower	Upper
166	100		
168	46.4	27.6	67.6
94	40.1	16.7	56.7

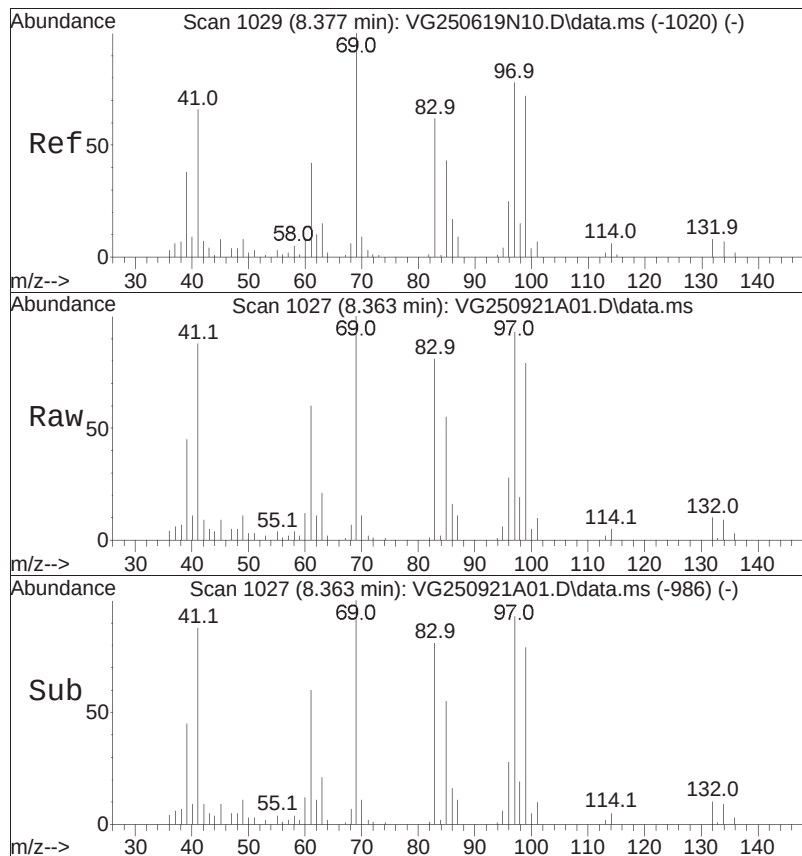




#65
 trans-1,3-Dichloropropene
 Concen: 8.50 ug/L
 RT: 8.179 min Scan# 1001
 Delta R.T. -0.014 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

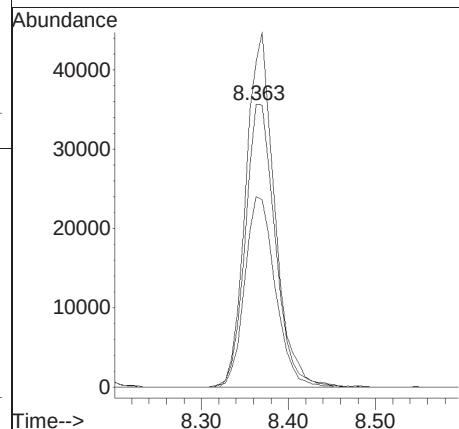
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138338		
77	31.0		11.5	51.5
39	54.8		27.6	67.6

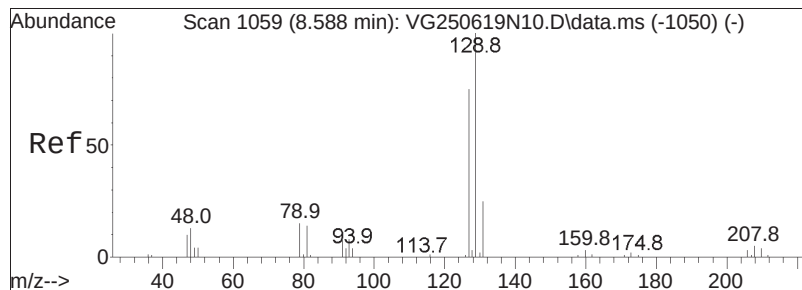




#68
 1,1,2-Trichloroethane
 Concen: 10.24 ug/L
 RT: 8.363 min Scan# 1027
 Delta R.T. -0.014 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

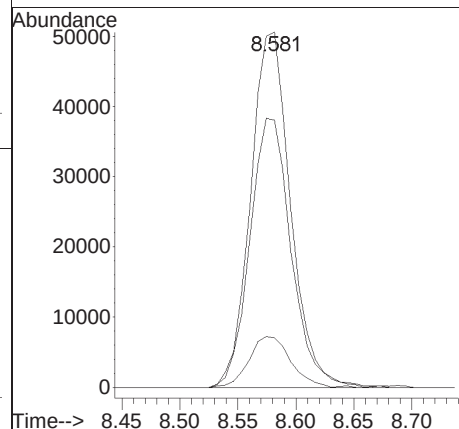
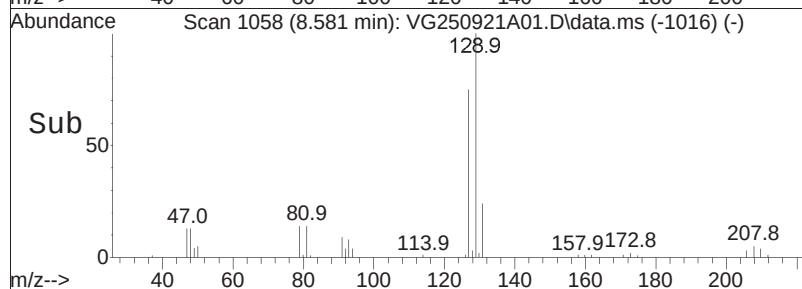
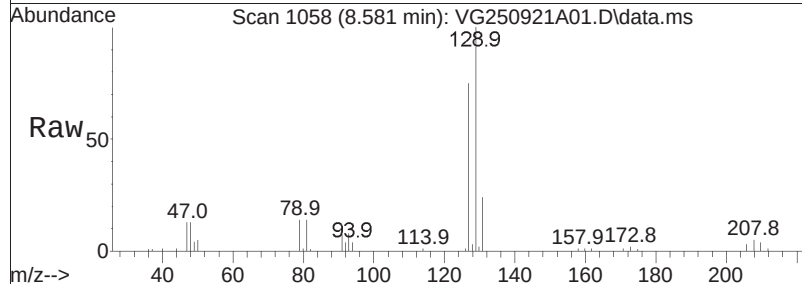
Tgt Ion	83	Resp	85723
Ion Ratio	Lower	Upper	
83	100		
97	120.0	103.4	143.4
85	68.9	48.6	88.6

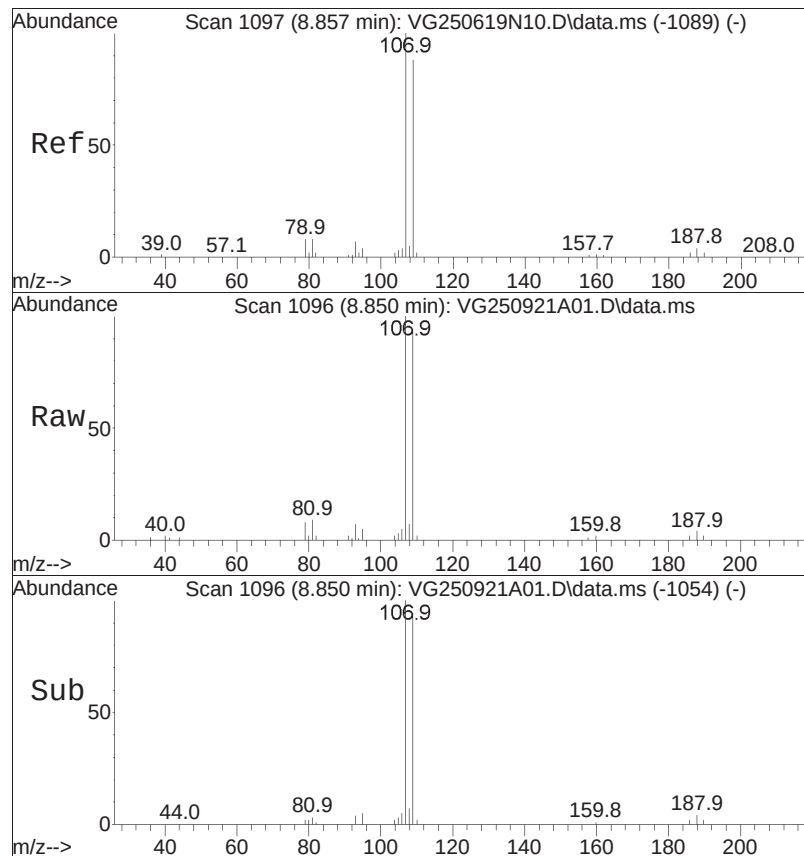




#69
 Chlorodibromomethane
 Concen: 9.08 ug/L
 RT: 8.581 min Scan# 1058
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

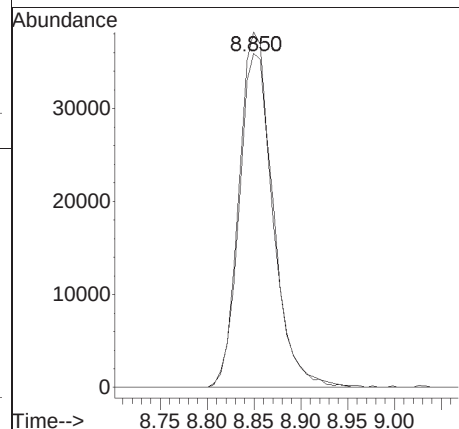
Tgt Ion	Ratio	Lower	Upper
129	100		
81	15.0	0.0	34.8
127	78.0	57.0	97.0

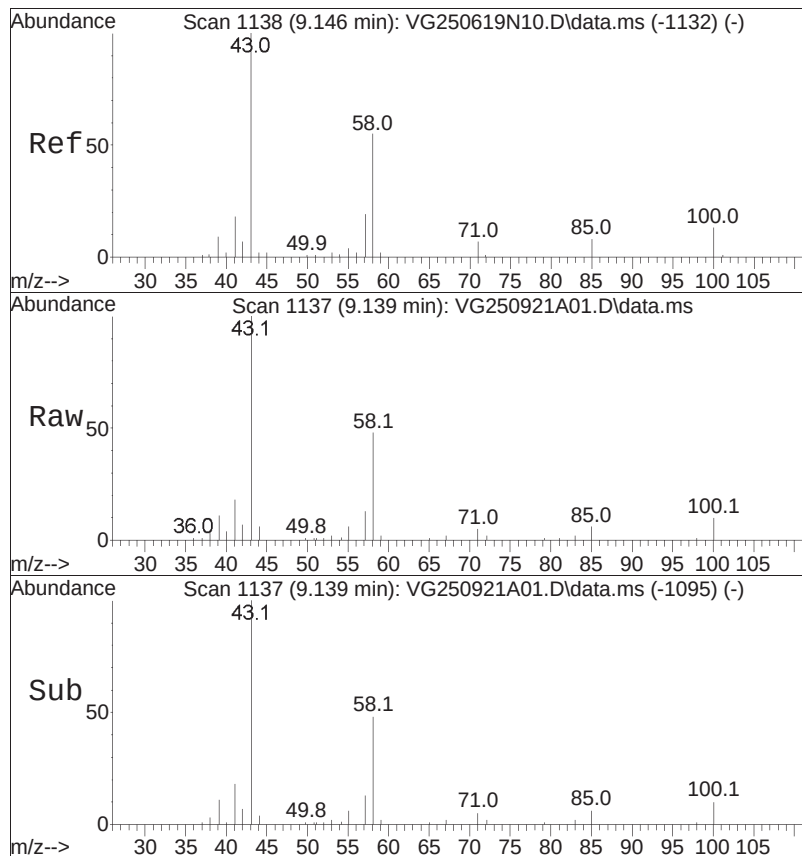




#71
 1,2-Dibromoethane
 Concen: 9.07 ug/L
 RT: 8.850 min Scan# 1096
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

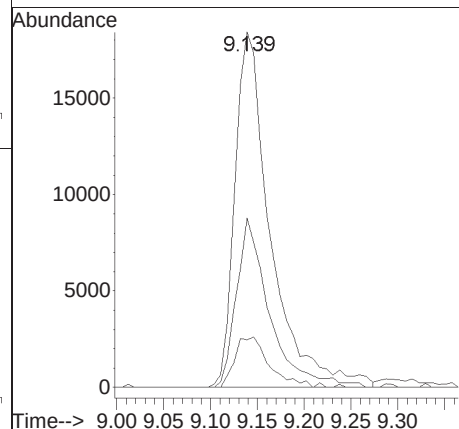
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.6	111.8

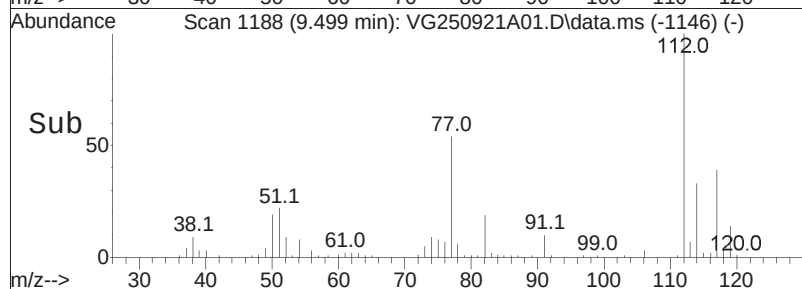
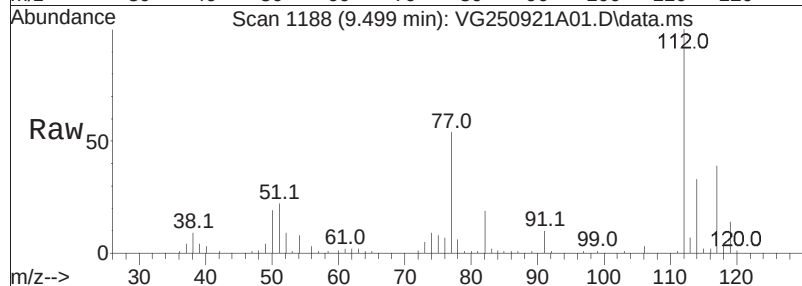
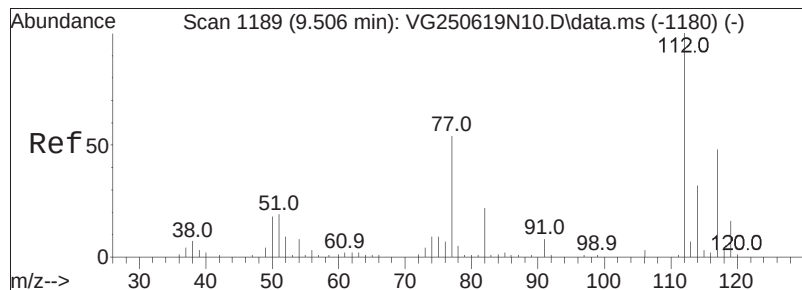




#72
 2-Hexanone
 Concen: 8.54 ug/L
 RT: 9.139 min Scan# 1137
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

Tgt	Ion: 43	Resp:	48798
Ion	Ratio	Lower	Upper
43	100		
58	44.3	44.0	66.0
57	13.9	15.7	23.5#





#73

Chlorobenzene

Concen: 10.36 ug/L

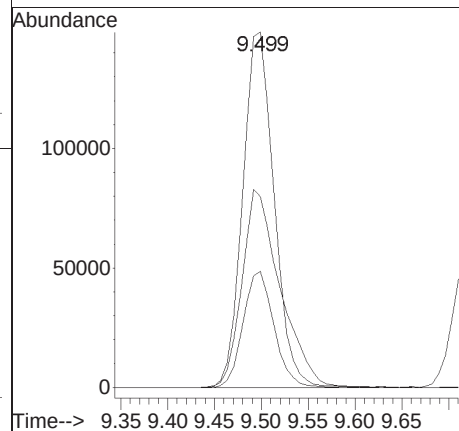
RT: 9.499 min Scan# 1188

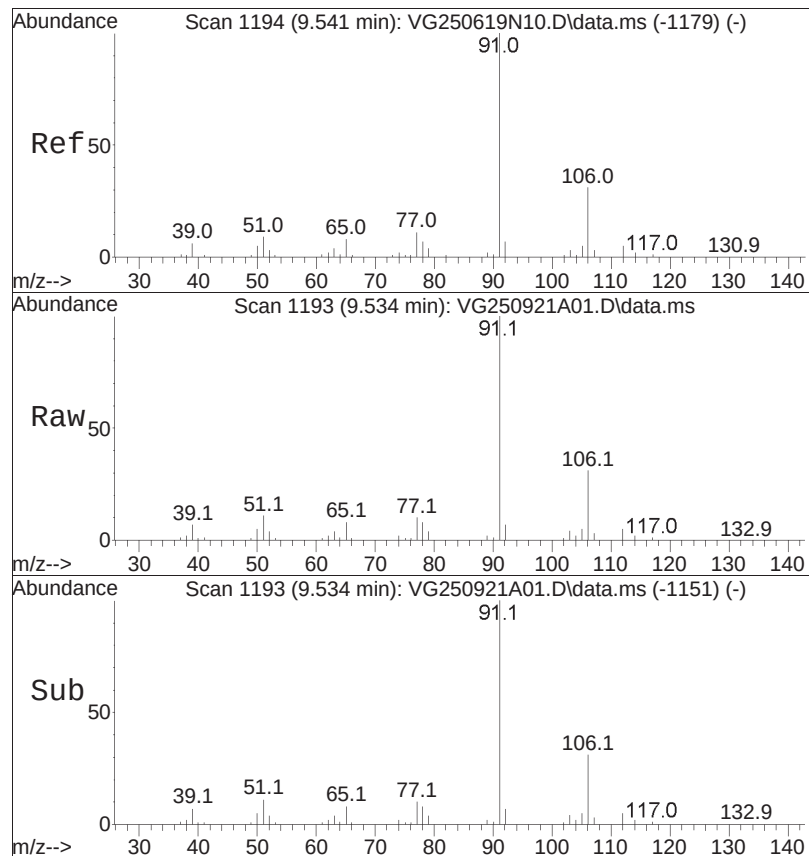
Delta R.T. -0.007 min

Lab File: VG250921A01.D

Acq: 21 Sep 2025 8:57 am

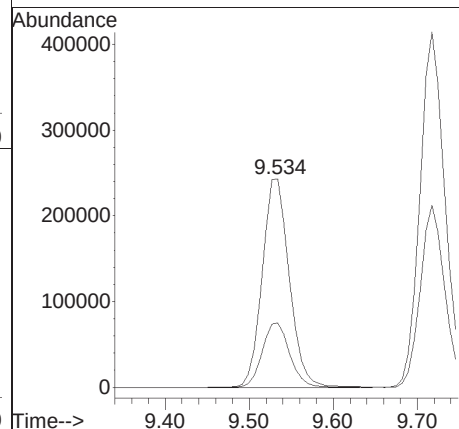
Tgt	Ion:112	Resp:	346355
Ion	Ratio	Lower	Upper
112	100		
77	67.9	53.5	80.3
114	32.0	25.8	38.6

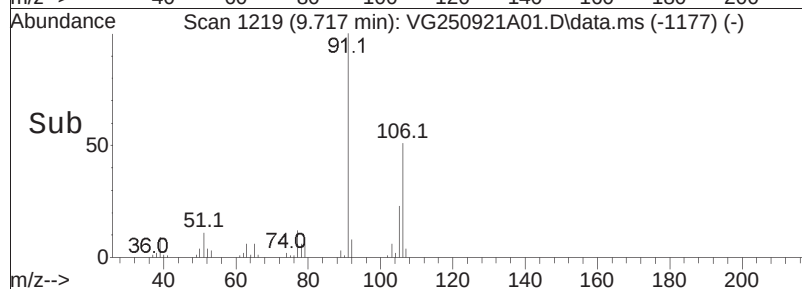
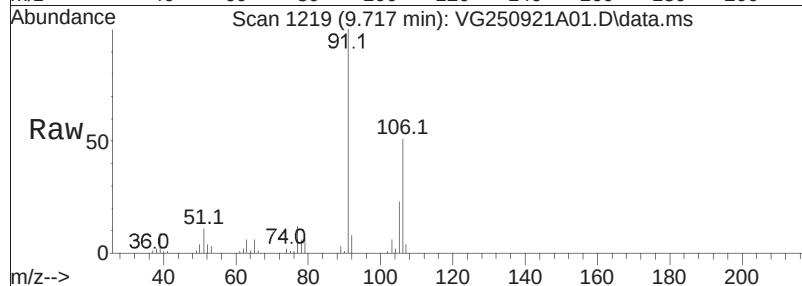
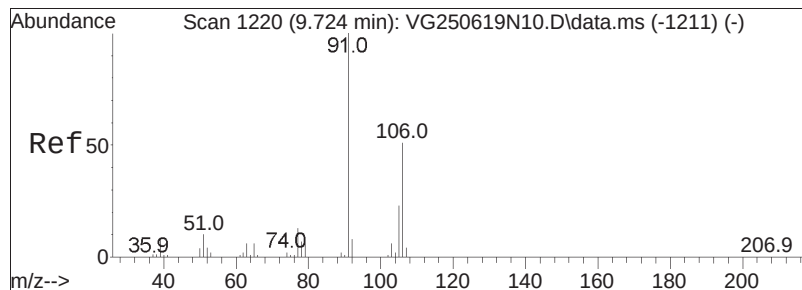




#74
 Ethylbenzene
 Concen: 10.10 ug/L
 RT: 9.534 min Scan# 1193
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

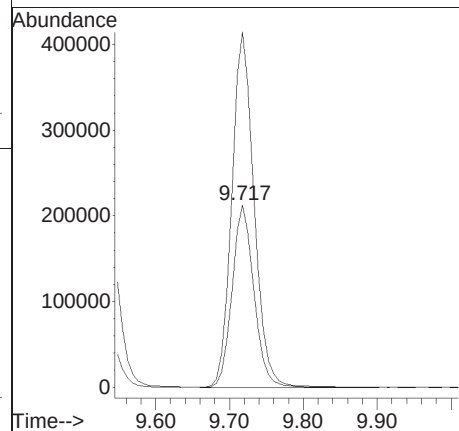
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.6

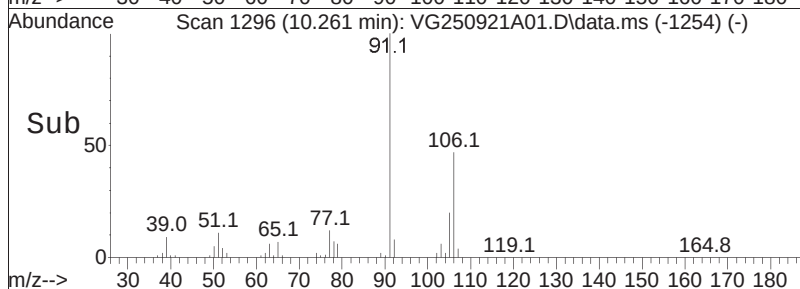
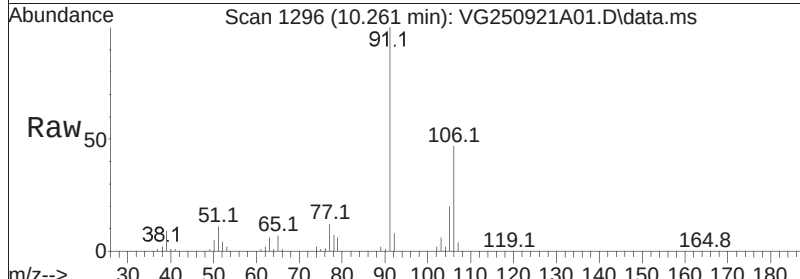
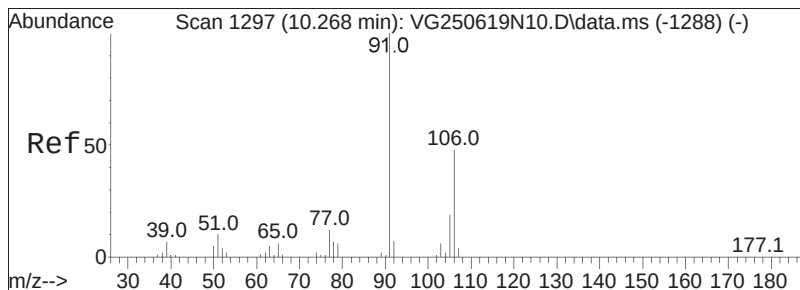




#76
p/m Xylene
Concen: 20.31 ug/L
RT: 9.717 min Scan# 1219
Delta R.T. -0.007 min
Lab File: VG250921A01.D
Acq: 21 Sep 2025 8:57 am

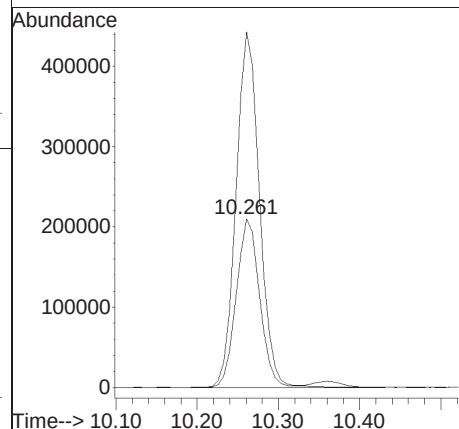
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	197.5	154.8	232.2	

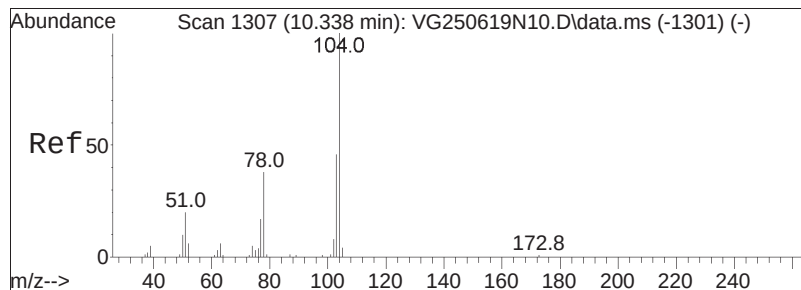




#77
o Xylene
Concen: 19.60 ug/L
RT: 10.261 min Scan# 1296
Delta R.T. -0.007 min
Lab File: VG250921A01.D
Acq: 21 Sep 2025 8:57 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.9	166.0	249.0





#78

Styrene

Concen: 19.94 ug/L

RT: 10.331 min Scan# 1306

Delta R.T. -0.007 min

Lab File: VG250921A01.D

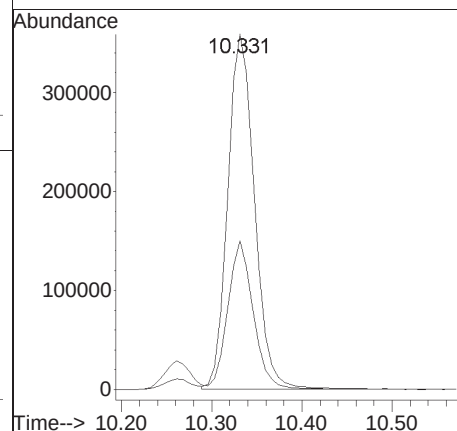
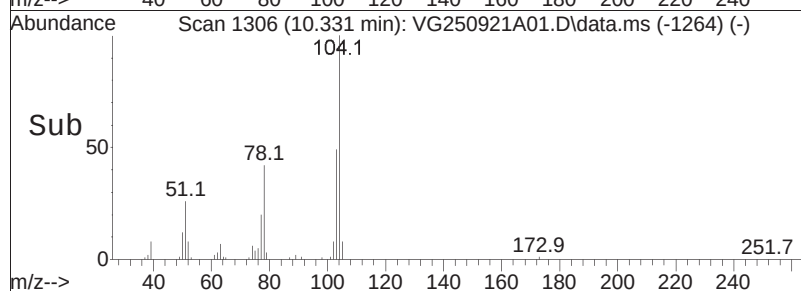
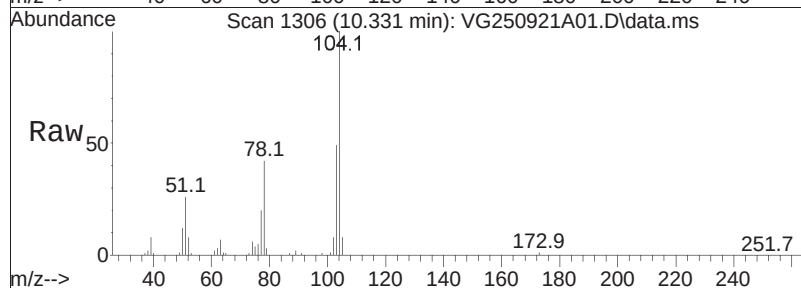
Acq: 21 Sep 2025 8:57 am

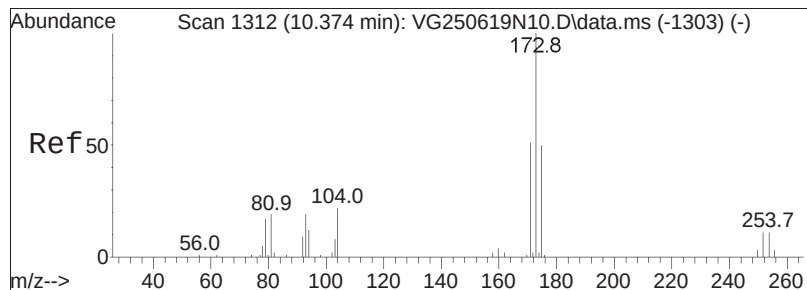
Tgt Ion:104 Resp: 737917

Ion Ratio Lower Upper

104 100

78 39.8 31.4 47.2





#80

Bromoform

Concen: 7.58 ug/L

RT: 10.360 min Scan# 1310

Delta R.T. -0.014 min

Lab File: VG250921A01.D

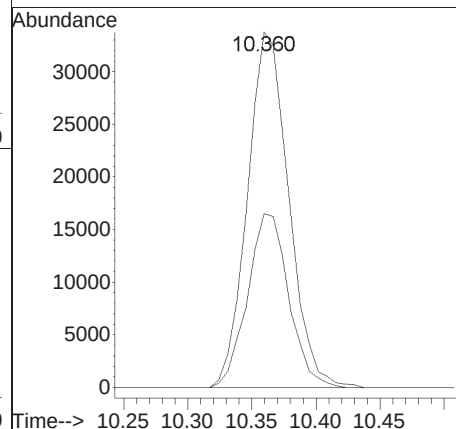
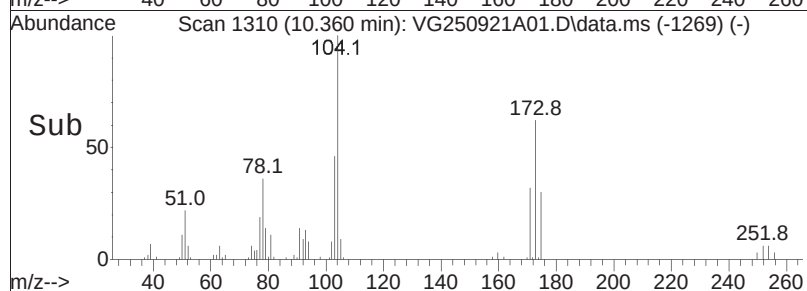
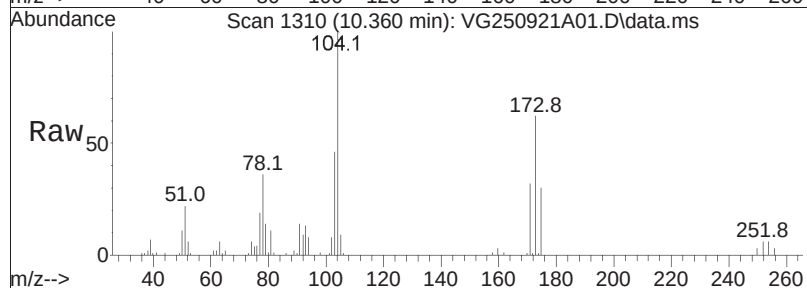
Acq: 21 Sep 2025 8:57 am

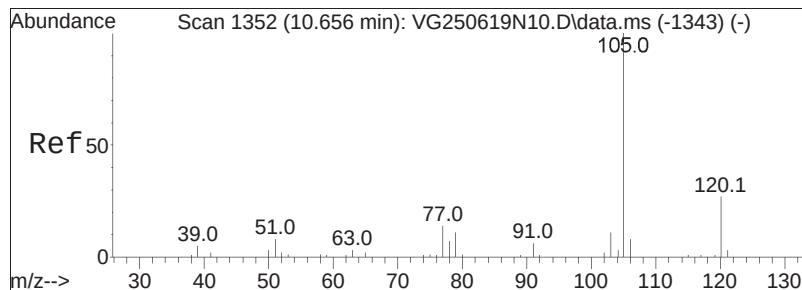
Tgt Ion:173 Resp: 75396

Ion Ratio Lower Upper

173 100

175 48.8 28.8 68.8





#82

Isopropylbenzene

Concen: 9.33 ug/L

RT: 10.649 min Scan# 1351

Delta R.T. -0.007 min

Lab File: VG250921A01.D

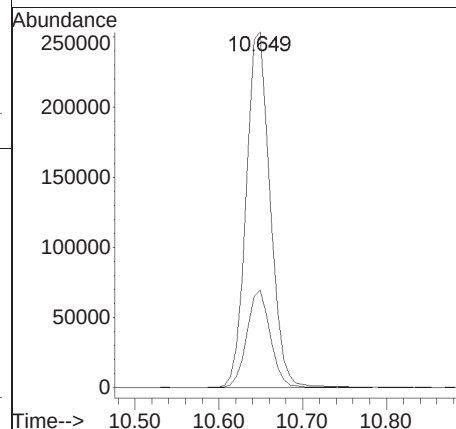
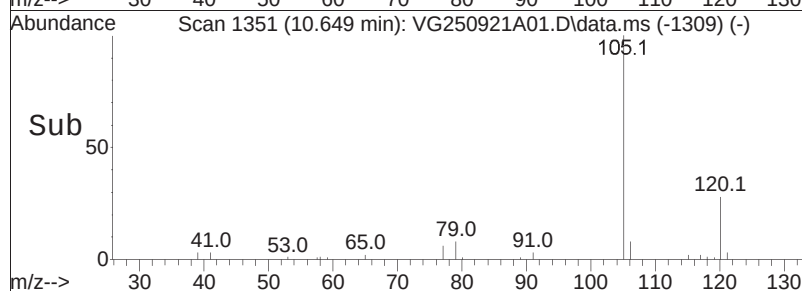
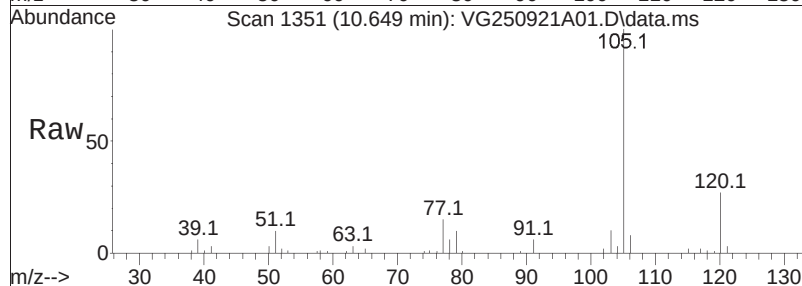
Acq: 21 Sep 2025 8:57 am

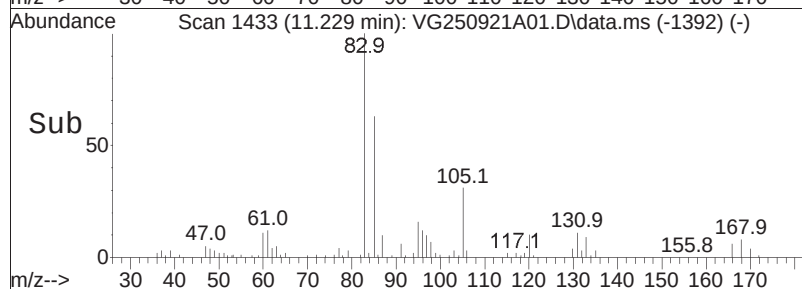
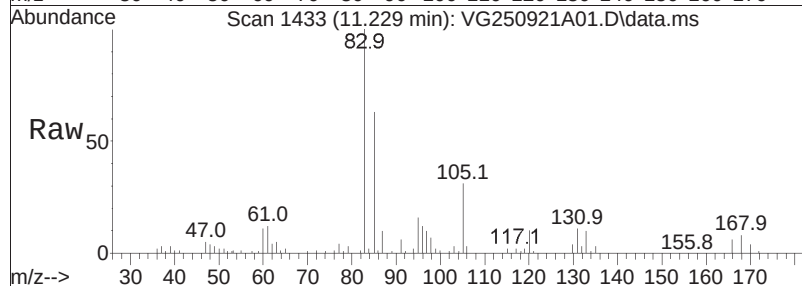
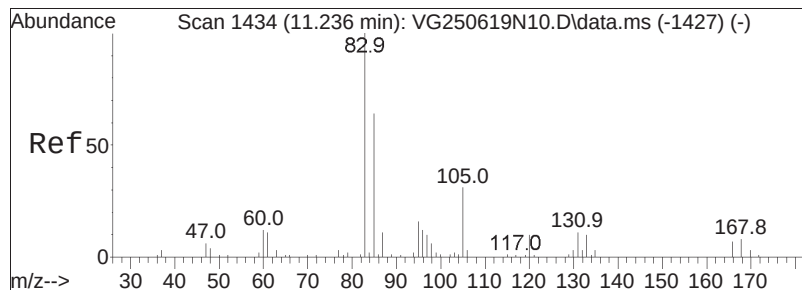
Tgt Ion:105 Resp: 502297

Ion Ratio Lower Upper

105 100

120 26.7 7.6 47.6





#87

1,1,2,2-Tetrachloroethane

Concen: 9.05 ug/L

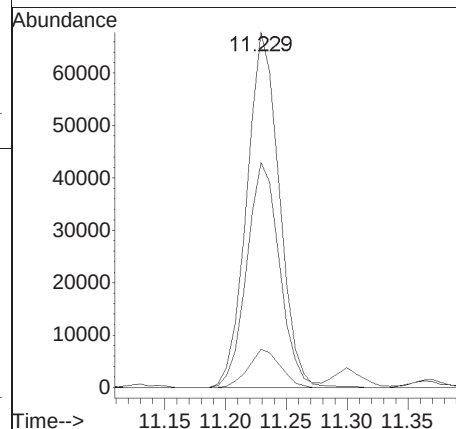
RT: 11.229 min Scan# 1433

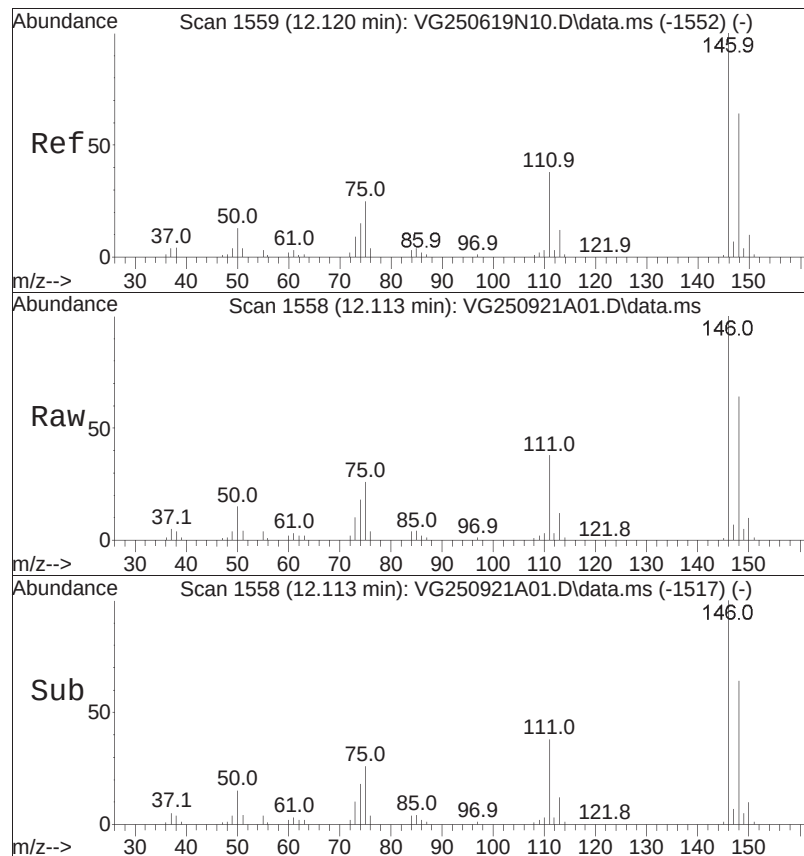
Delta R.T. -0.007 min

Lab File: VG250921A01.D

Acq: 21 Sep 2025 8:57 am

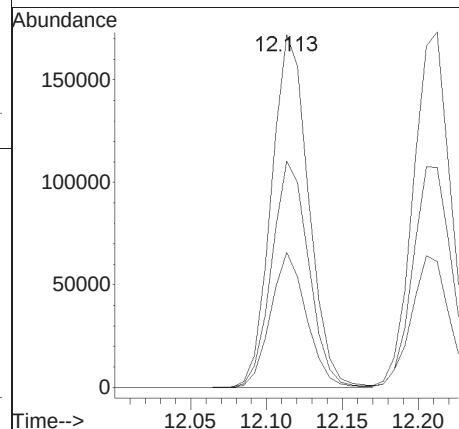
Tgt Ion: 83	Resp: 126121
Ion Ratio Lower Upper	
83 100	
131 10.5	0.0 31.5
85 64.0	44.6 84.6

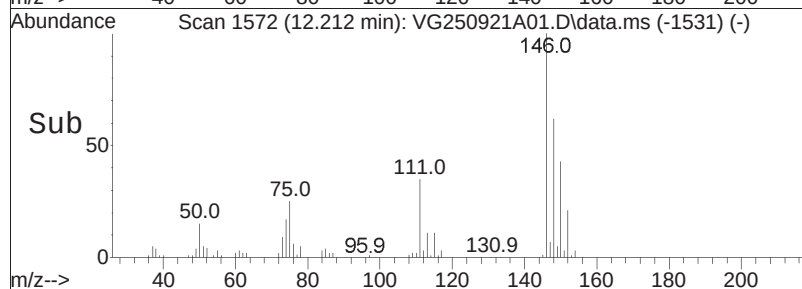
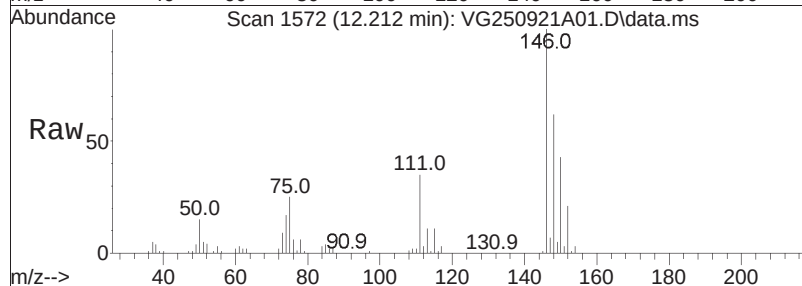
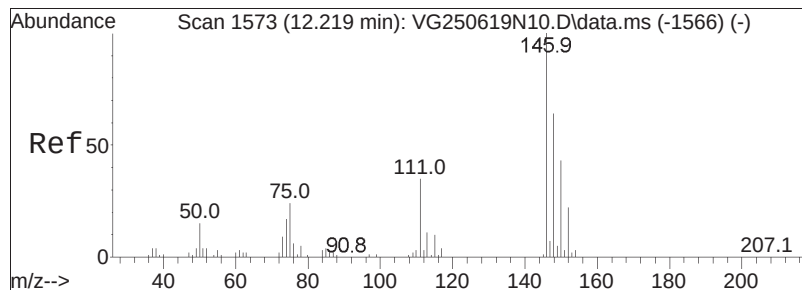




#100
 1,3-Dichlorobenzene
 Concen: 9.80 ug/L
 RT: 12.113 min Scan# 1558
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

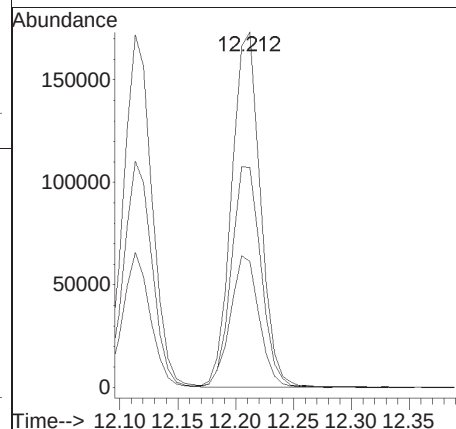
Tgt Ion:	146	Resp:	293157
Ion Ratio	Lower	Upper	
146	100		
111	36.8	23.9	49.5
148	63.6	41.2	85.6

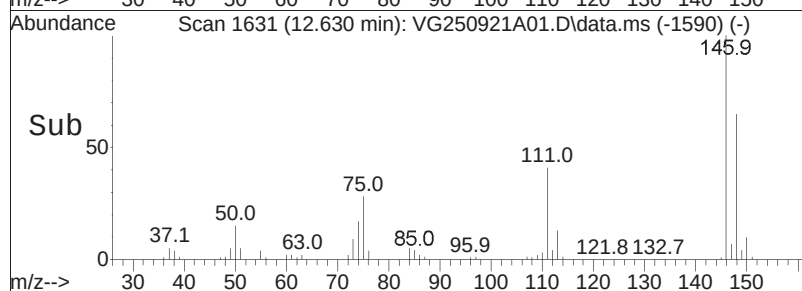
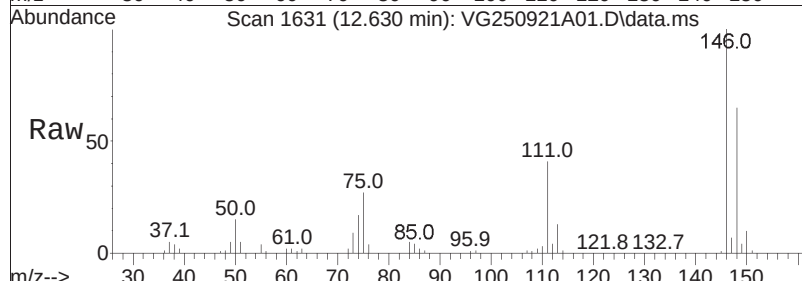
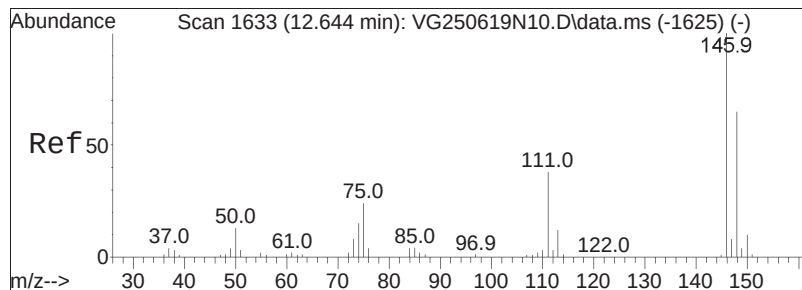




#101
 1,4-Dichlorobenzene
 Concen: 9.75 ug/L
 RT: 12.212 min Scan# 1572
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

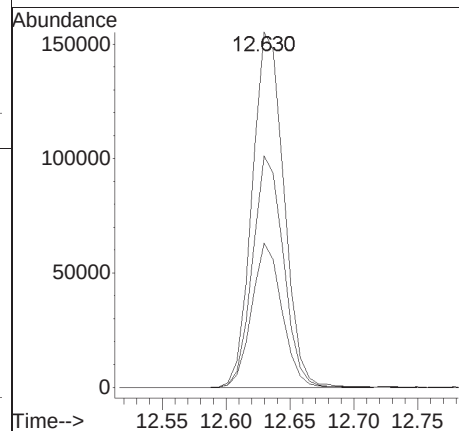
Tgt Ion	Ratio	Resp	Lower	Upper
146	100	299523		
111	37.4		28.9	43.3
148	64.0		51.2	76.8

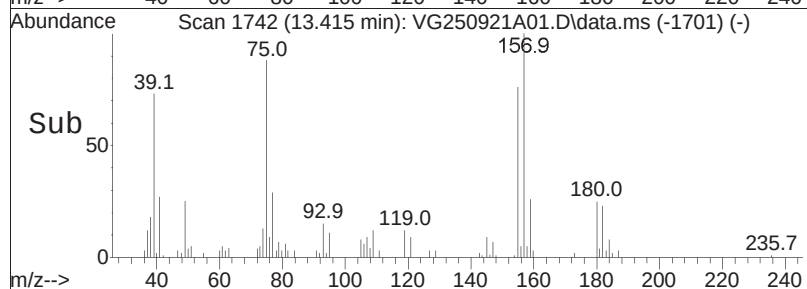
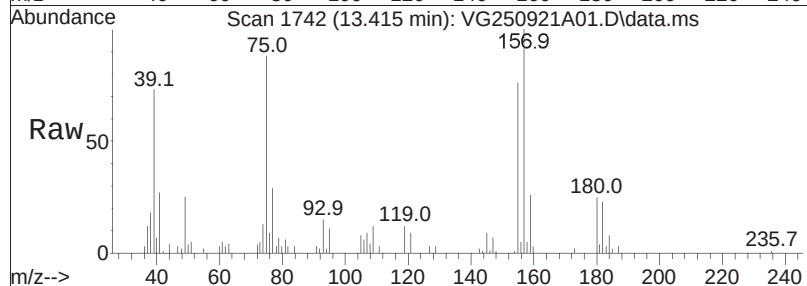
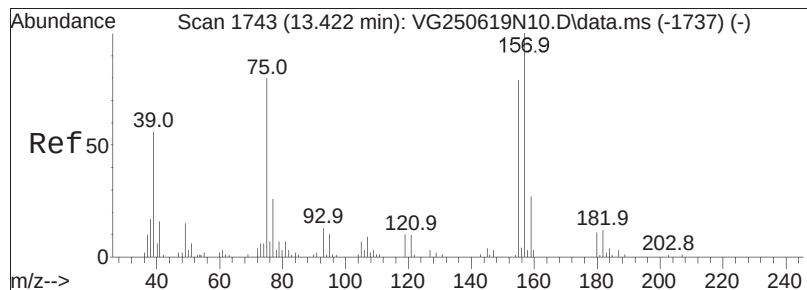




#104
 1,2-Dichlorobenzene
 Concen: 9.37 ug/L
 RT: 12.630 min Scan# 1631
 Delta R.T. -0.014 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

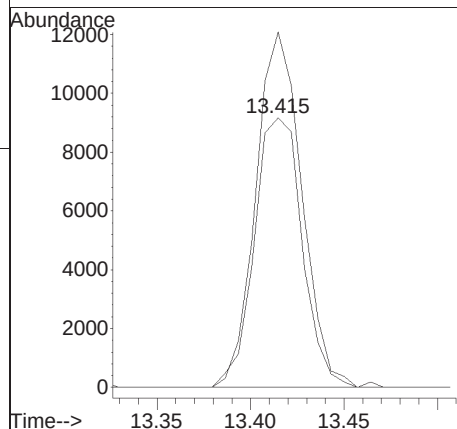
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	24.6	51.0
148	63.5	41.4	86.0

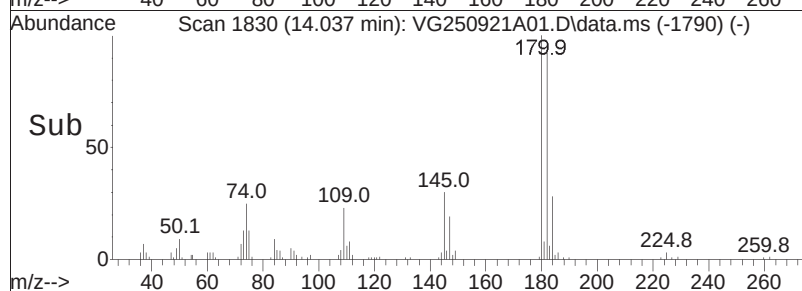
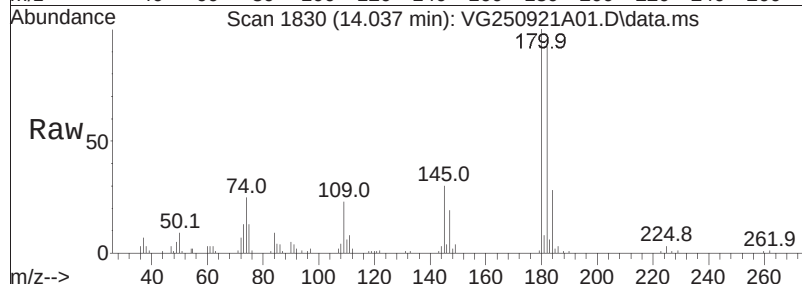
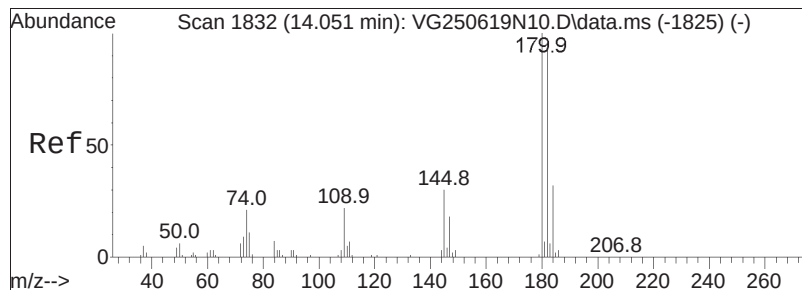




#106
 1,2-Dibromo-3-chloropropane
 Concen: 6.42 ug/L
 RT: 13.415 min Scan# 1742
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

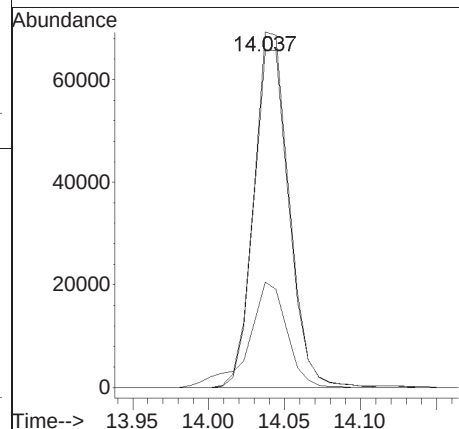
Tgt Ion	Ratio	Lower	Upper
155	100		
157	127.0	99.0	148.6

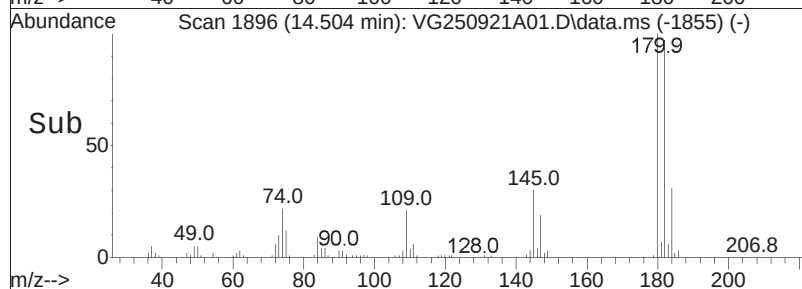
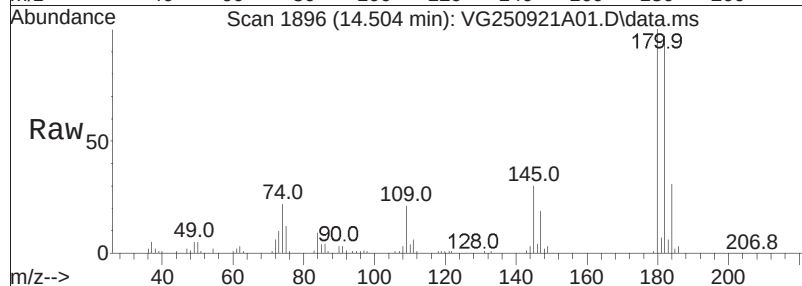
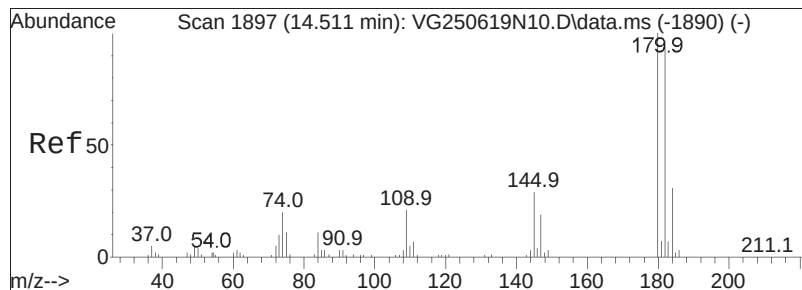




#109
 1,2,4-Trichlorobenzene
 Concen: 6.92 ug/L
 RT: 14.037 min Scan# 1830
 Delta R.T. -0.014 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

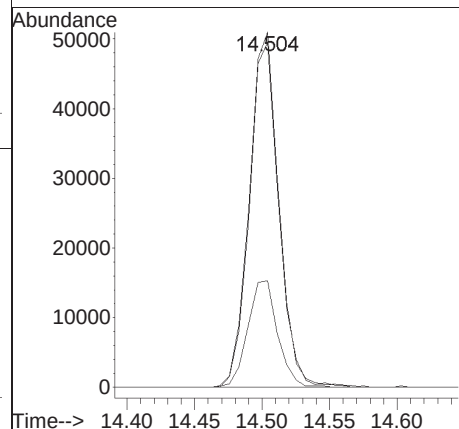
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
145	32.0	25.3	37.9





#111
 1,2,3-Trichlorobenzene
 Concen: 6.26 ug/L
 RT: 14.504 min Scan# 1896
 Delta R.T. -0.007 min
 Lab File: VG250921A01.D
 Acq: 21 Sep 2025 8:57 am

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.8	115.2
145	30.4	24.1	36.1



Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A02.D
 Acq On : 11 Sep 2025 7:46 am
 Operator : GONZO:PID
 Sample : WG2113862-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 08:09:08 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.950	96	444665	10.000	ug/L	0.00
Standard Area 1 = 503476			Recovery	=	88.32%	
59) Chlorobenzene-d5	9.477	117	345017	10.000	ug/L	0.00
Standard Area 1 = 390080			Recovery	=	88.45%	
79) 1,4-Dichlorobenzene-d4	12.191	152	197997	10.000	ug/L	0.00
Standard Area 1 = 223601			Recovery	=	88.55%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	117014	10.138	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.38%	
43) 1,2-Dichloroethane-d4	5.667	65	133715	11.315	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	113.15%	
60) Toluene-d8	7.636	98	444197	10.365	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.65%	
83) 4-Bromofluorobenzene	10.981	95	156119	9.560	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.60%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	86358	8.862	ug/L	100
3) Chloromethane	1.820	50	89304	9.812	ug/L	99
4) Vinyl chloride	1.870	62	94703	9.458	ug/L	98
5) Bromomethane	2.176	94	29596	4.310	ug/L	100
6) Chloroethane	2.276	64	81769	12.032	ug/L	95
7) Trichlorofluoromethane	2.418	101	119948	8.960	ug/L	97
10) 1,1-Dichloroethene	2.909	96	78041	9.691	ug/L	91
11) Carbon disulfide	2.944	76	243731	9.993	ug/L	100
12) Freon-113	2.944	101	77776	9.666	ug/L	92
15) Methylene chloride	3.464	84	95728	9.772	ug/L	88
17) Acetone	3.513	43	21754	11.428	ug/L	90
18) trans-1,2-Dichloroethene	3.613	96	86147	9.872	ug/L	93
19) Methyl acetate	3.620	43	53838	12.000	ug/L	# 93
20) Methyl tert-butyl ether	3.698	73	257006	10.112	ug/L	94
23) 1,1-Dichloroethane	4.189	63	170911	11.075	ug/L	99
28) cis-1,2-Dichloroethene	4.709	96	100799	9.923	ug/L	90
30) Bromochloromethane	4.901	128	49948	10.503	ug/L	91
31) Cyclohexane	4.886	56	129243	9.607	ug/L	97
32) Chloroform	4.972	83	163644	10.306	ug/L	97
34) Carbon tetrachloride	5.093	117	123556	9.743	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A02.D
 Acq On : 11 Sep 2025 7:46 am
 Operator : GONZO:PID
 Sample : WG2113862-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 08:09:08 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	5.164	97	133557	9.611	ug/L	97
39)	2-Butanone	5.264	43	34171	11.859	ug/L #	77
41)	Benzene	5.526	78	361132	10.413	ug/L	98
44)	1,2-Dichloroethane	5.738	62	125608	11.049	ug/L	99
47)	Methylcyclohexane	6.105	83	111278	8.953	ug/L	94
48)	Trichloroethene	6.126	95	90253	9.499	ug/L	97
51)	1,2-Dichloropropane	6.669	63	95163	10.677	ug/L	98
54)	Bromodichloromethane	6.747	83	126622	10.054	ug/L	99
58)	cis-1,3-Dichloropropene	7.431	75	144974	9.830	ug/L	93
61)	Toluene	7.692	92	224785	10.175	ug/L	99
62)	4-Methyl-2-pentanone	8.130	58	26698	9.904	ug/L	77
63)	Tetrachloroethene	8.137	166	98116	9.602	ug/L	96
65)	trans-1,3-Dichloropropene	8.186	75	126692	9.940	ug/L	92
68)	1,1,2-Trichloroethane	8.370	83	67853	10.355	ug/L	96
69)	Chlorodibromomethane	8.581	129	101497	9.693	ug/L	99
71)	1,2-Dibromoethane	8.849	107	79704	9.573	ug/L	100
72)	2-Hexanone	9.139	43	51287	11.463	ug/L	87
73)	Chlorobenzene	9.499	112	267631	10.227	ug/L	100
74)	Ethylbenzene	9.534	91	418147	9.886	ug/L	99
76)	p/m Xylene	9.717	106	332037	19.713	ug/L	97
77)	o Xylene	10.261	106	332072	19.662	ug/L	100
78)	Styrene	10.331	104	560247	19.333	ug/L	100
80)	Bromoform	10.366	173	66207	8.896	ug/L	100
82)	Isopropylbenzene	10.649	105	396233	9.829	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.229	83	103936	9.967	ug/L	99
100)	1,3-Dichlorobenzene	12.113	146	219910	9.819	ug/L	99
101)	1,4-Dichlorobenzene	12.212	146	225778	9.818	ug/L	98
104)	1,2-Dichlorobenzene	12.637	146	213631	9.988	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.415	155	15632	8.224	ug/L	93
109)	1,2,4-Trichlorobenzene	14.044	180	106776	8.819	ug/L	99
111)	1,2,3-Trichlorobenzene	14.504	180	76249	8.189	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

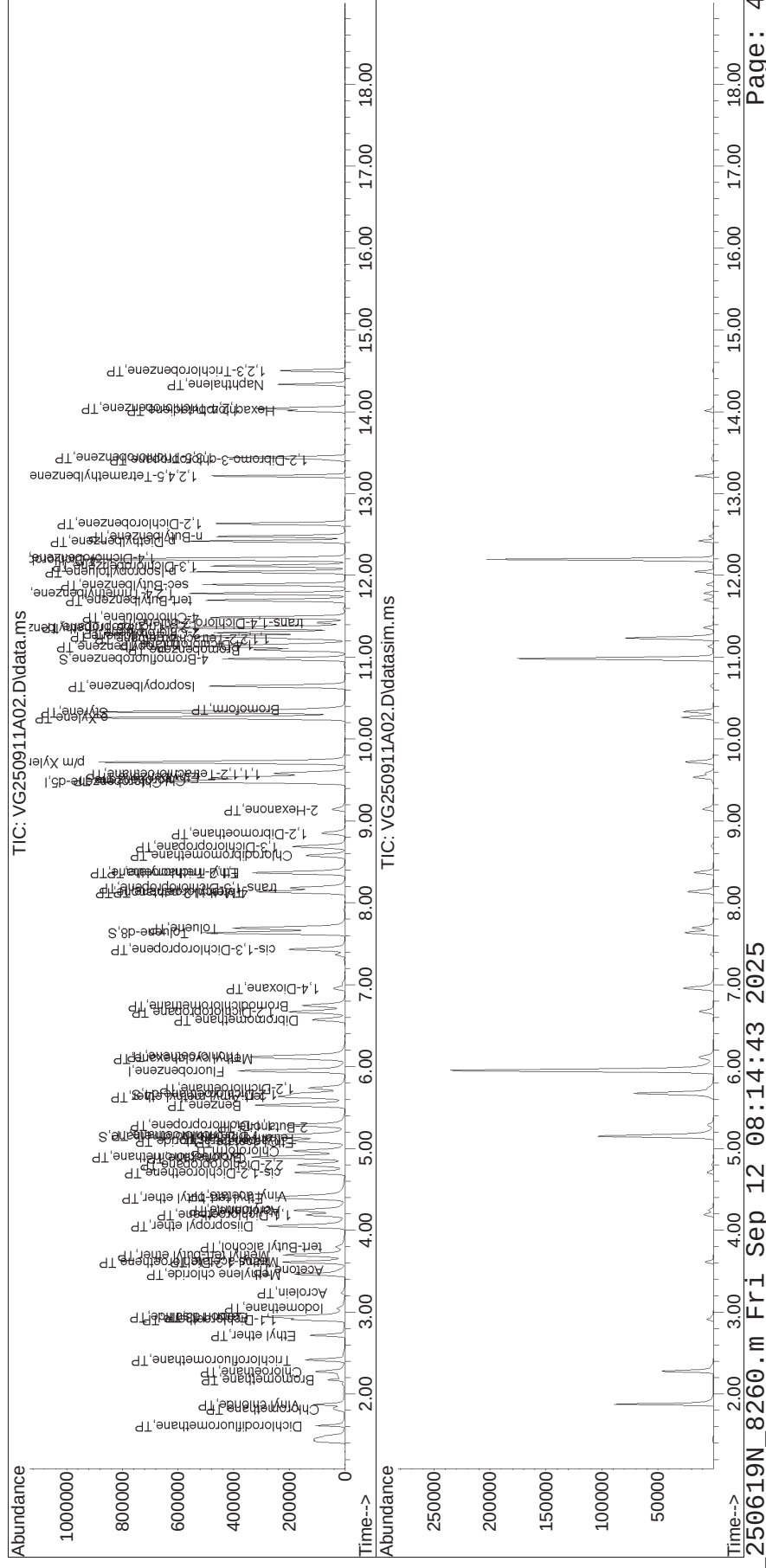
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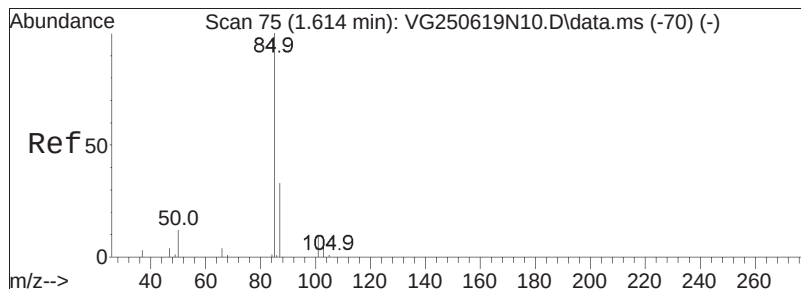
Data Path      : K:\Gonzo\2025\250911A\
Data File     : VG250911A02.D
Acq On        : 11 Sep 2025    7:46 am
Operator      : GONZO:PID
Sample        : WG2113862-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc          : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial      : 2 Sample Multiplier: 1

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Quant Time: Sep 11 08:09:08 2025
Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

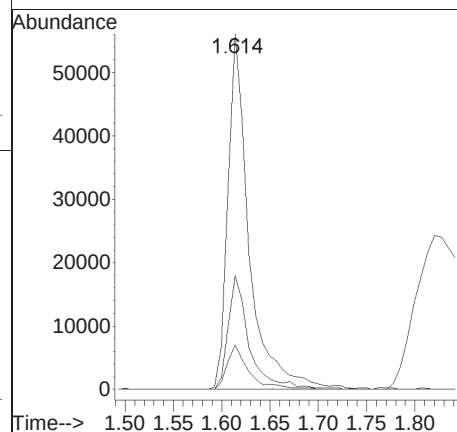
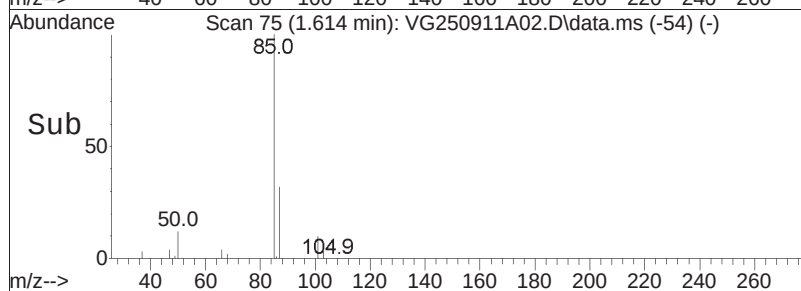
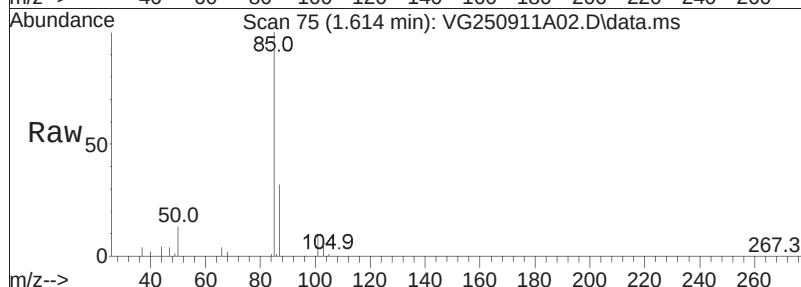
SOALL\$TE(S) : 8260KC\G00z0Q00P5\2000a1A\XV0250920A0E.D.

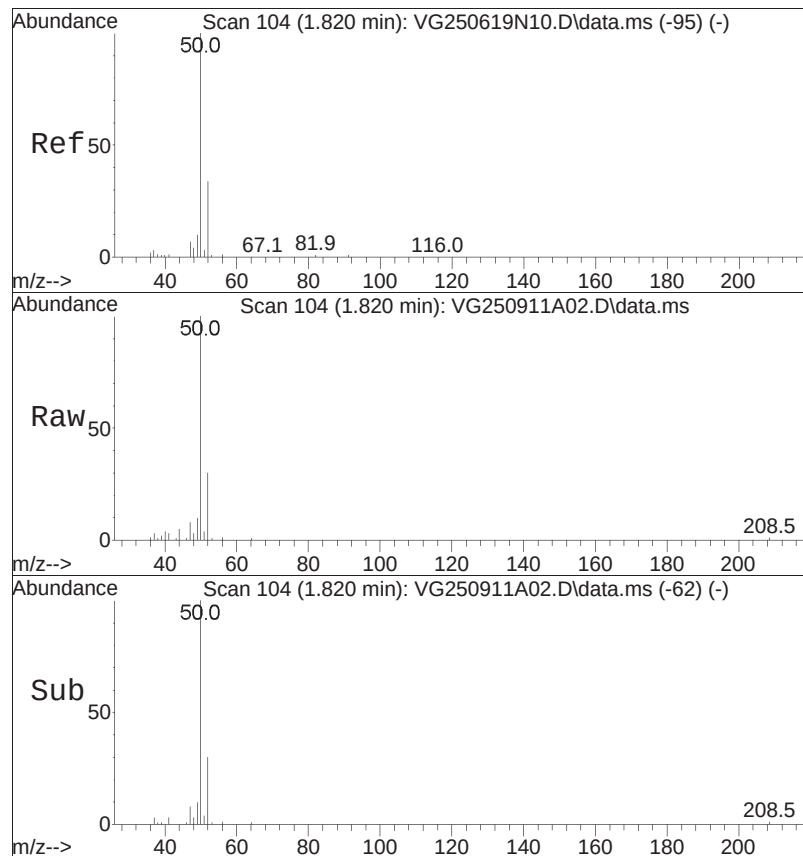




#2
 Dichlorodifluoromethane
 Concen: 8.86 ug/L
 RT: 1.614 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

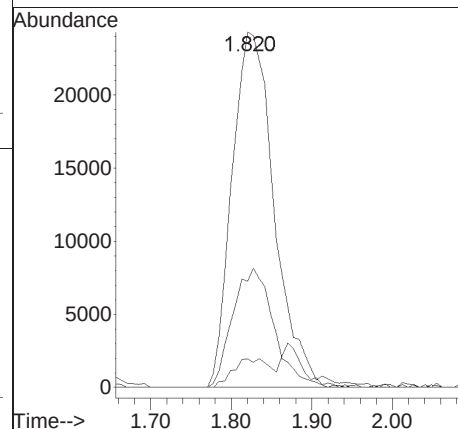
Tgt Ion:	85	Resp:	86358
Ion Ratio	Lower	Upper	
85	100		
87	32.0	20.7	42.9
50	12.7	8.1	16.7

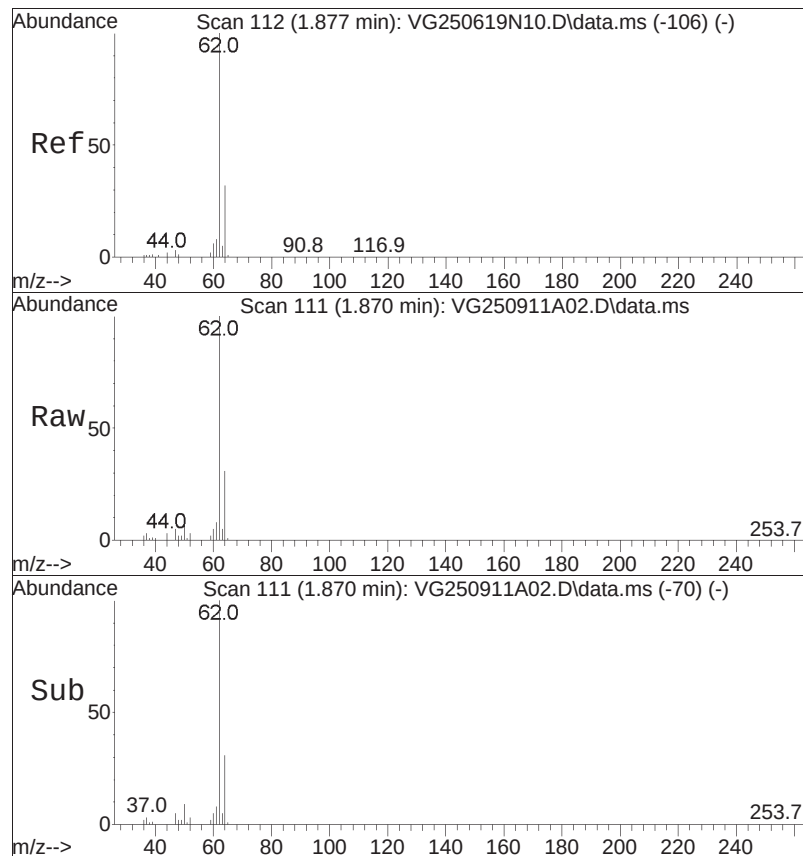




#3
 Chloromethane
 Concen: 9.81 ug/L
 RT: 1.820 min Scan# 104
 Delta R.T. -0.000 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

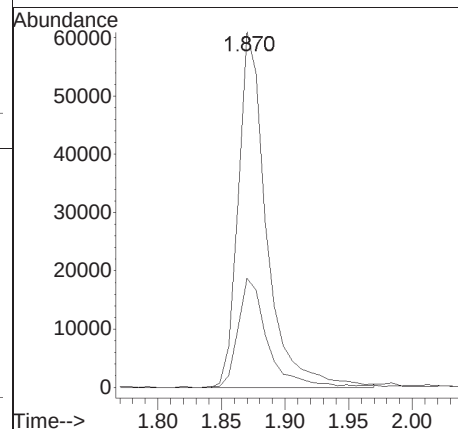
Tgt	Ion: 50	Resp:	89304
Ion	Ratio	Lower	Upper
50	100		
52	32.3	11.6	51.6
47	7.1	0.0	26.4

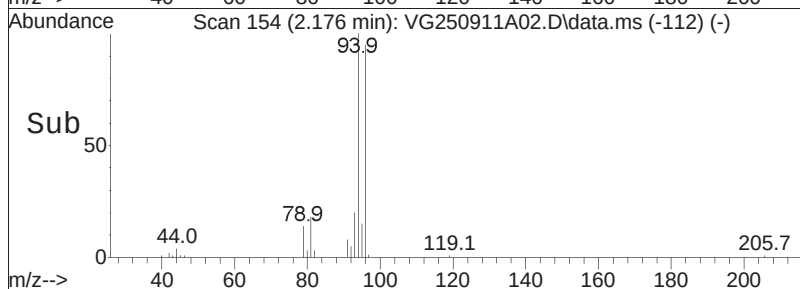
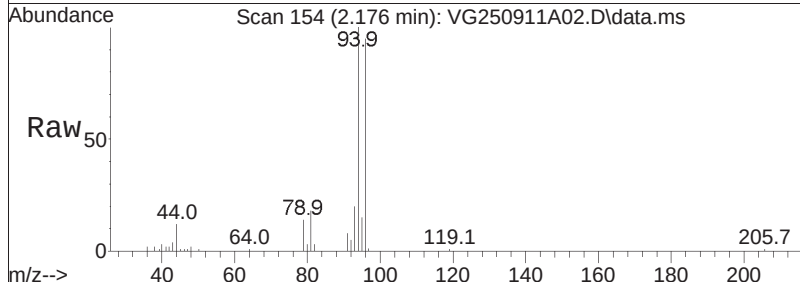
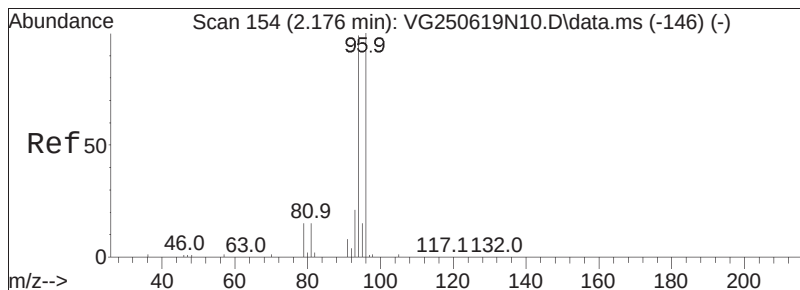




#4
 Vinyl chloride
 Concen: 9.46 ug/L
 RT: 1.870 min Scan# 111
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

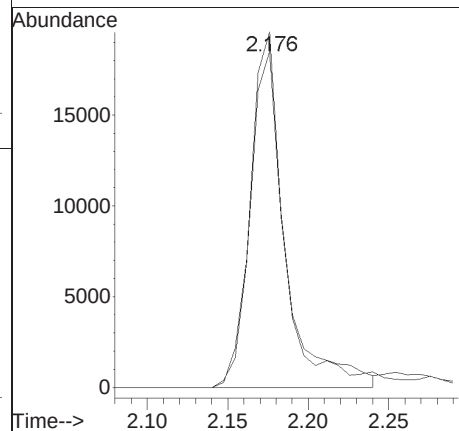
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.5	11.5	51.5

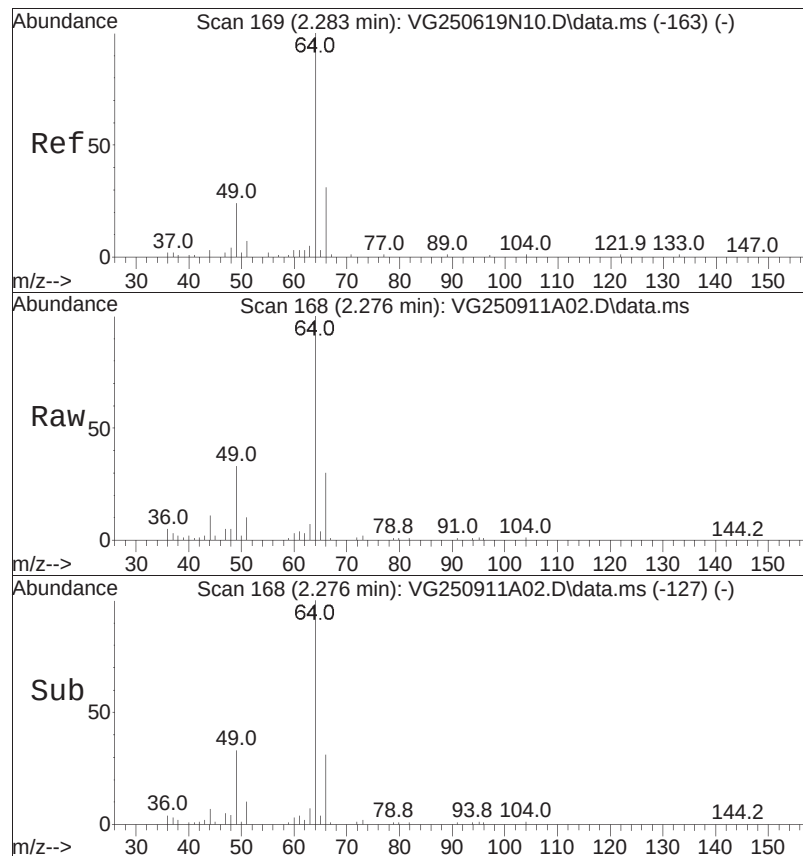




#5
 Bromomethane
 Concen: 4.31 ug/L
 RT: 2.176 min Scan# 154
 Delta R.T. -0.000 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

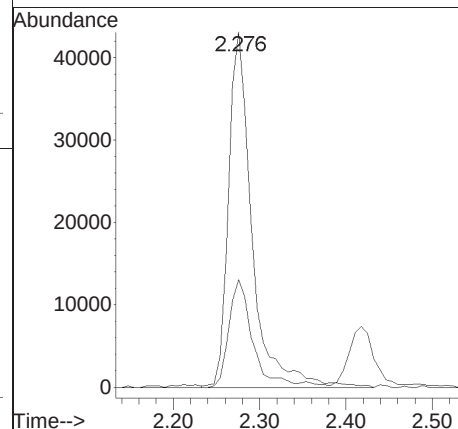
Tgt Ion	Ratio	Lower	Upper
94	100		
96	95.6	75.8	115.8

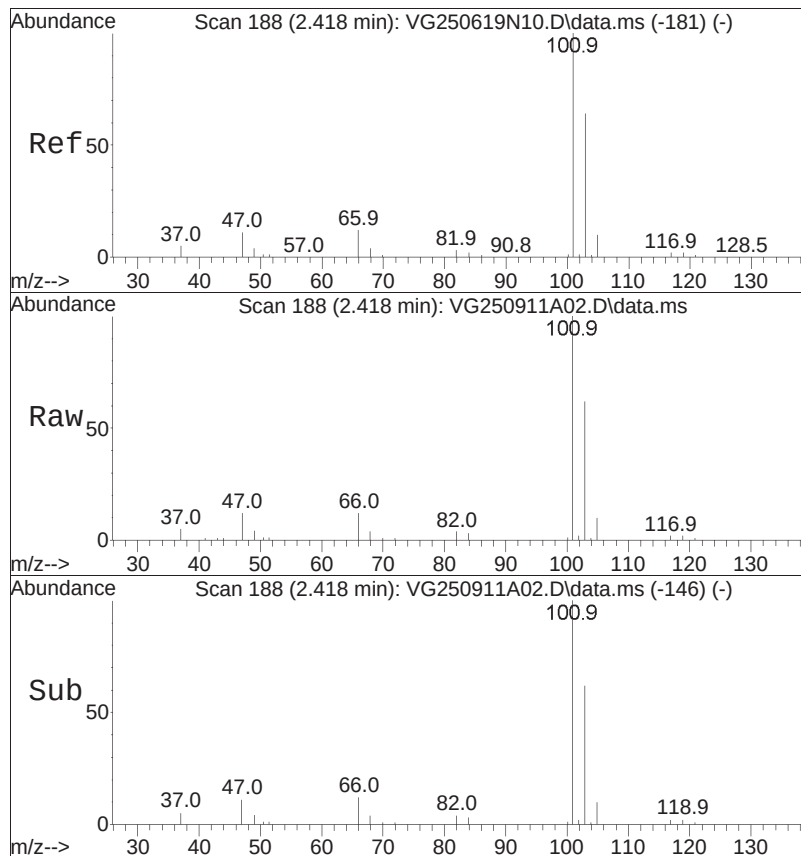




#6
 Chloroethane
 Concen: 12.03 ug/L
 RT: 2.276 min Scan# 168
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

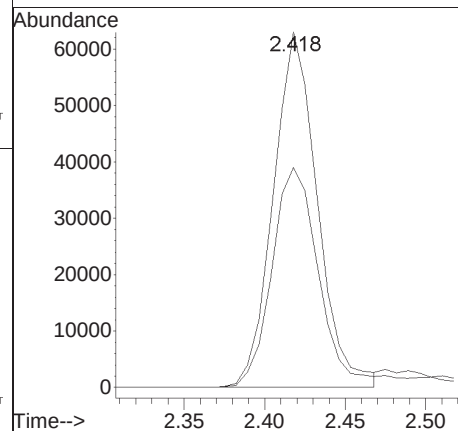
Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.3	12.9	52.9

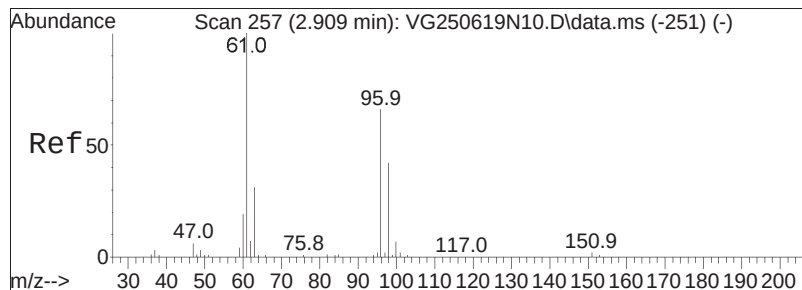




#7
 Trichlorofluoromethane
 Concen: 8.96 ug/L
 RT: 2.418 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

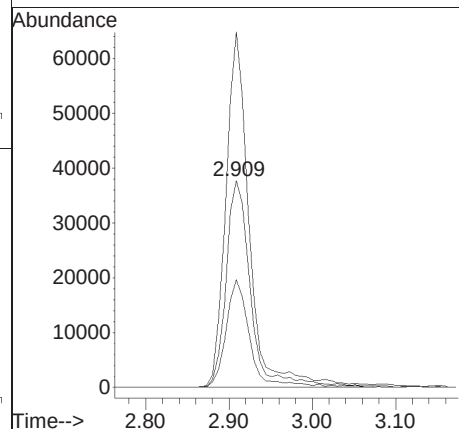
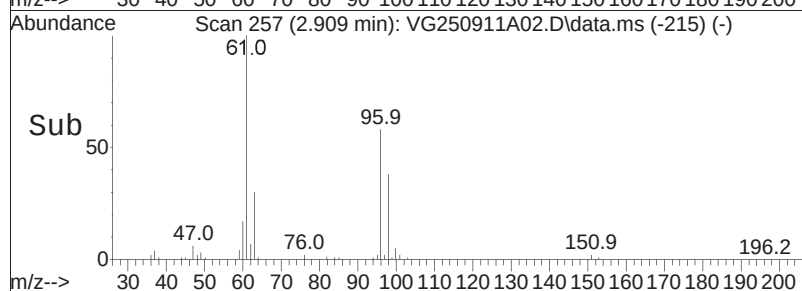
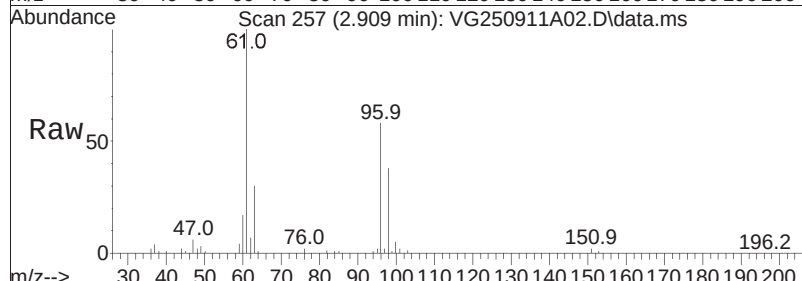
Tgt	Ion	Ratio	Lower	Upper
101	100			
103	67.2	52.2	78.2	

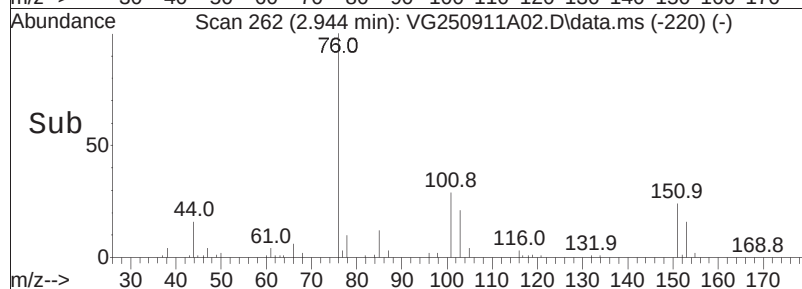
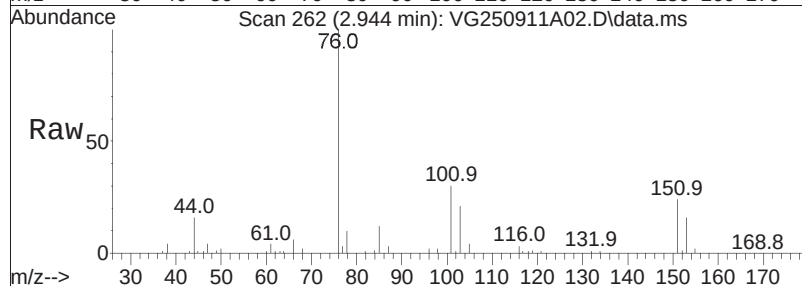
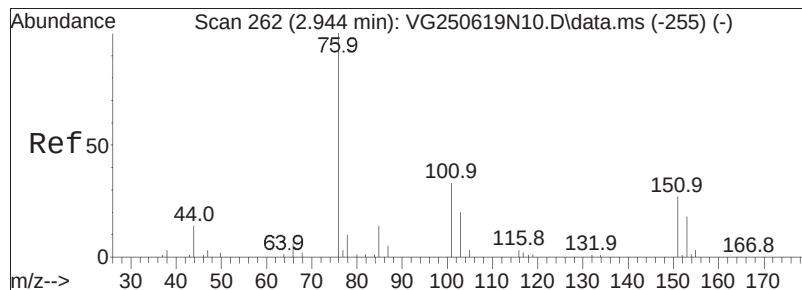




#10
 1,1-Dichloroethene
 Concen: 9.69 ug/L
 RT: 2.909 min Scan# 257
 Delta R.T. -0.000 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

Tgt Ion:	96	Resp:	78041
Ion Ratio	Lower	Upper	
96	100		
61	164.2	121.1	181.7
63	50.8	38.5	57.7





#11

Carbon disulfide

Concen: 9.99 ug/L

RT: 2.944 min Scan# 262

Delta R.T. 0.000 min

Lab File: VG250911A02.D

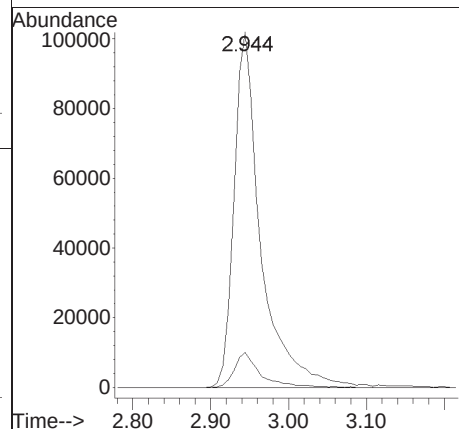
Acq: 11 Sep 2025 7:46 am

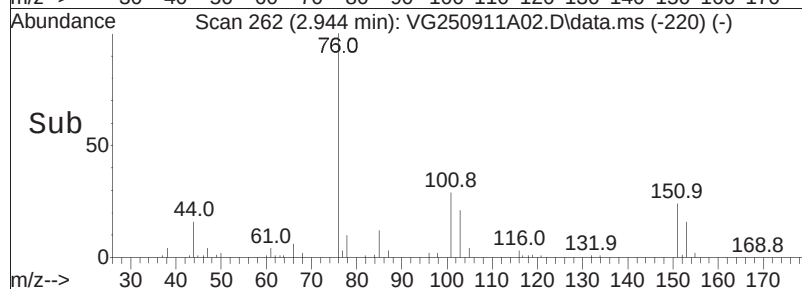
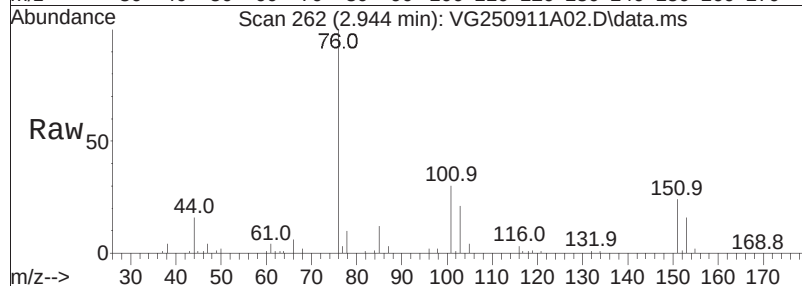
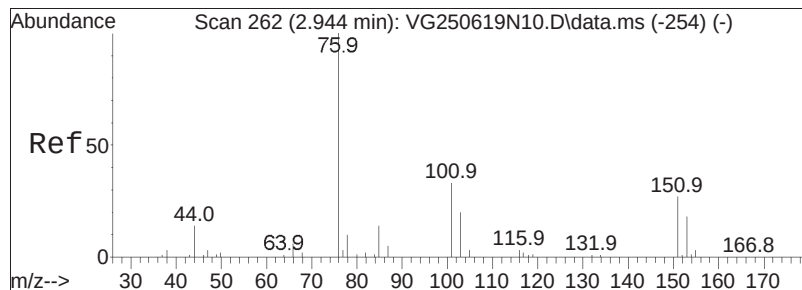
Tgt Ion: 76 Resp: 243731

Ion Ratio Lower Upper

76 100

78 9.5 6.3 13.1





#12

Freon-113

Concen: 9.67 ug/L

RT: 2.944 min Scan# 262

Delta R.T. 0.000 min

Lab File: VG250911A02.D

Acq: 11 Sep 2025 7:46 am

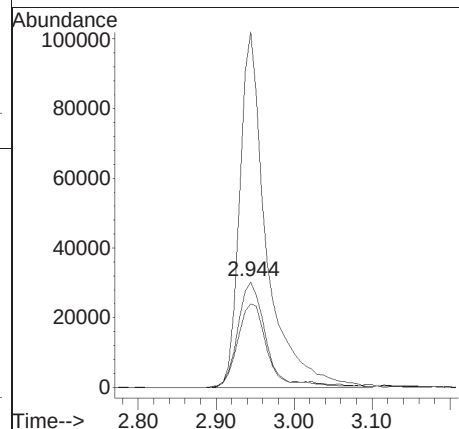
Tgt Ion:101 Resp: 77776

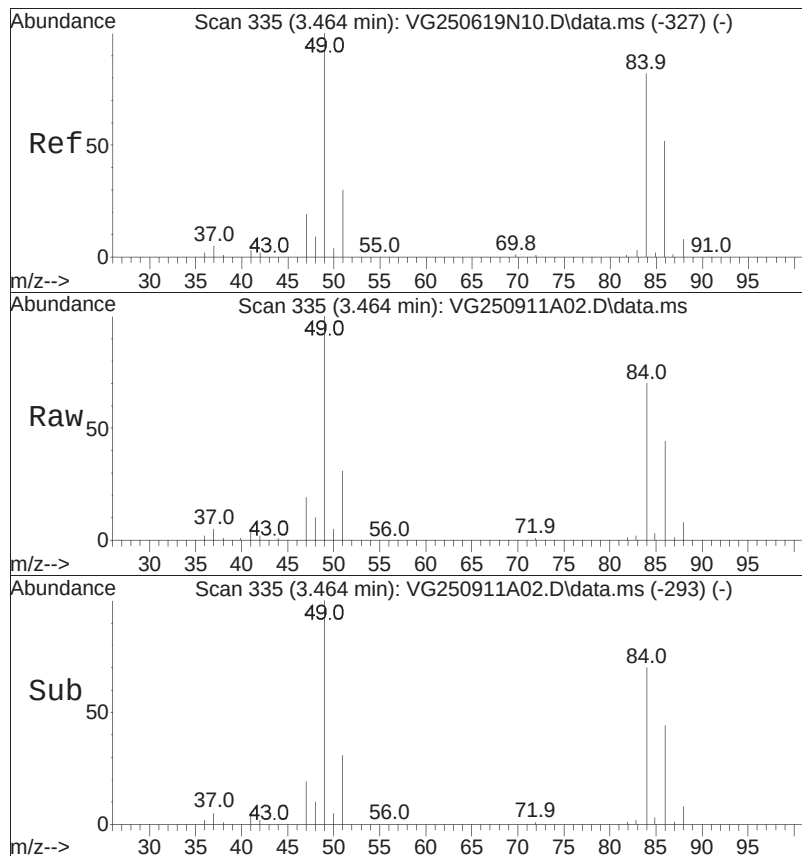
Ion Ratio Lower Upper

101 100

151 77.8 68.3 102.5

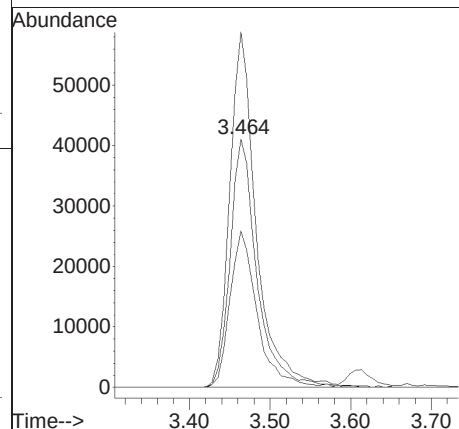
76 313.4 238.0 357.0

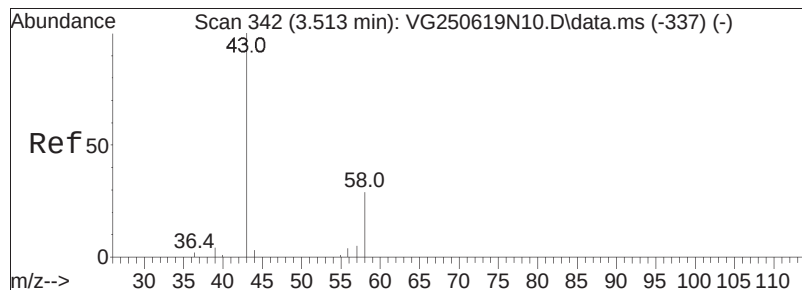




#15
Methylene chloride
Concen: 9.77 ug/L
RT: 3.464 min Scan# 335
Delta R.T. -0.000 min
Lab File: VG250911A02.D
Acq: 11 Sep 2025 7:46 am

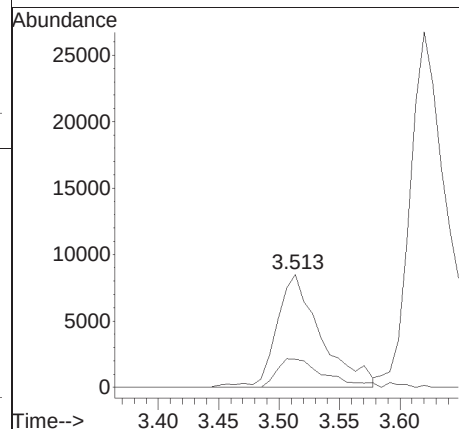
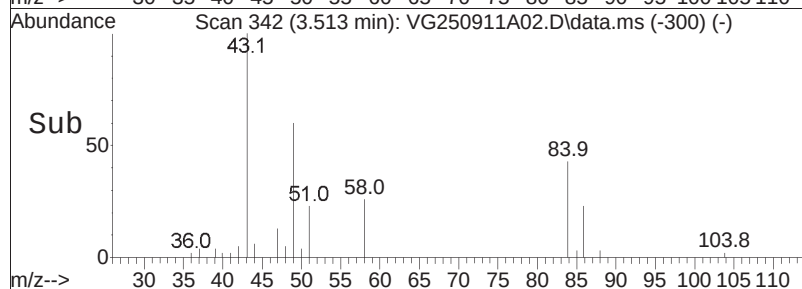
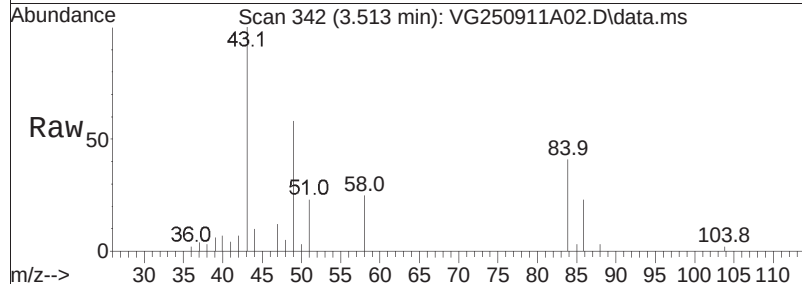
Tgt	Ion	Resp	Lower	Upper
84	100			
86	63.8		41.7	86.7
49	141.0		78.6	163.3

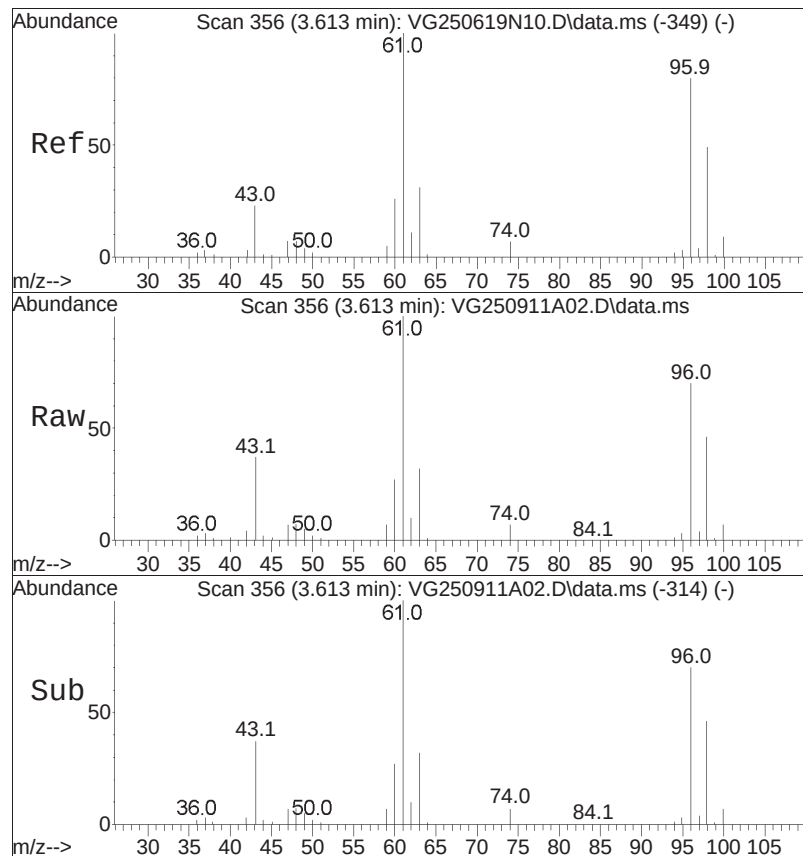




#17
Acetone
Concen: 11.43 ug/L
RT: 3.513 min Scan# 342
Delta R.T. 0.000 min
Lab File: VG250911A02.D
Acq: 11 Sep 2025 7:46 am

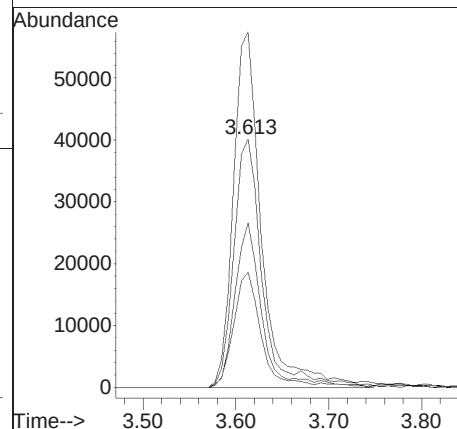
Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.0	26.2	39.2

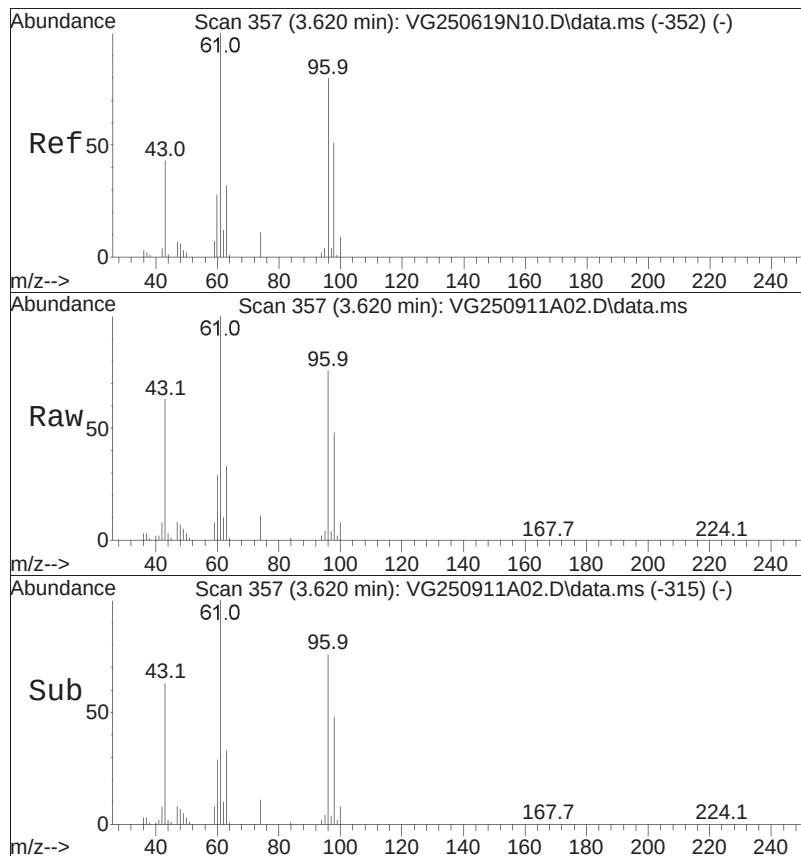




#18
 trans-1,2-Dichloroethene
 Concen: 9.87 ug/L
 RT: 3.613 min Scan# 356
 Delta R.T. 0.000 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

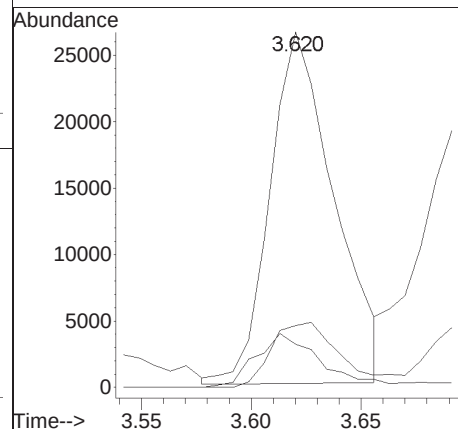
Tgt Ion:	96	Resp:	86147
Ion Ratio	Lower	Upper	
96	100		
61	142.6	85.7	177.9
98	62.7	42.8	88.8
63	43.9	26.5	55.1

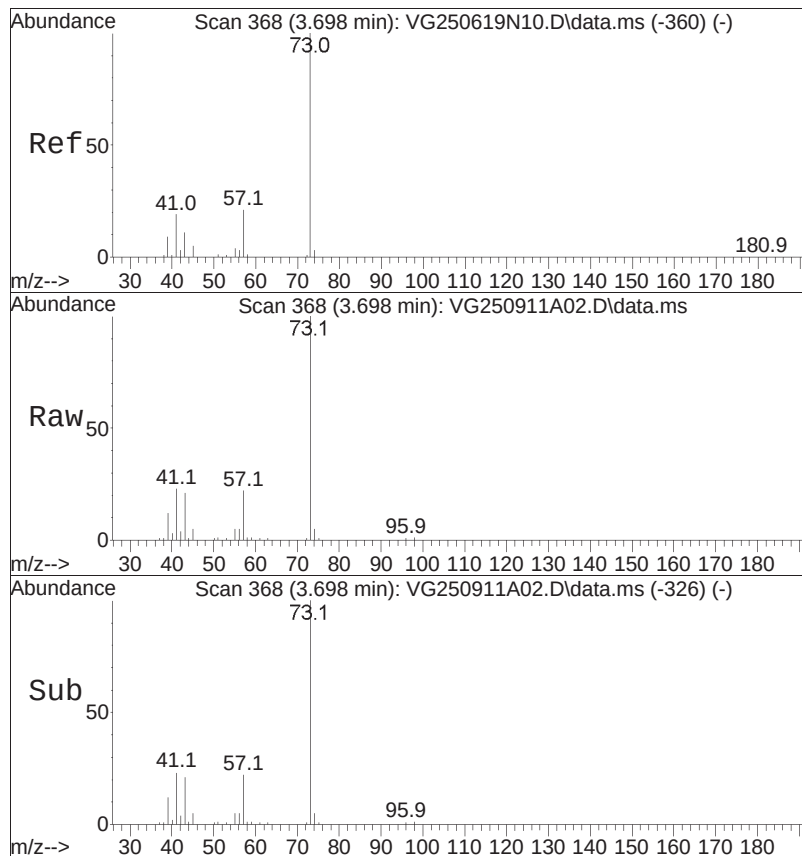




#19
Methyl acetate
Concen: 12.00 ug/L
RT: 3.620 min Scan# 357
Delta R.T. 0.000 min
Lab File: VG250911A02.D
Acq: 11 Sep 2025 7:46 am

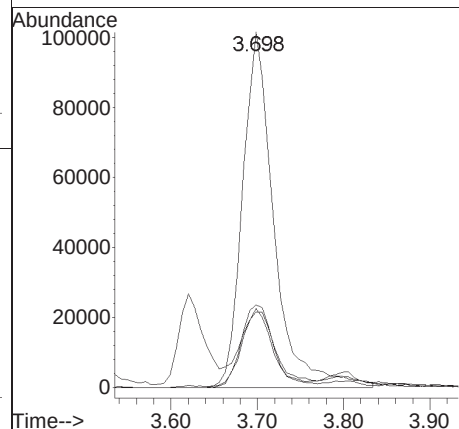
Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	19.3	28.9#
59	15.7	13.3	19.9

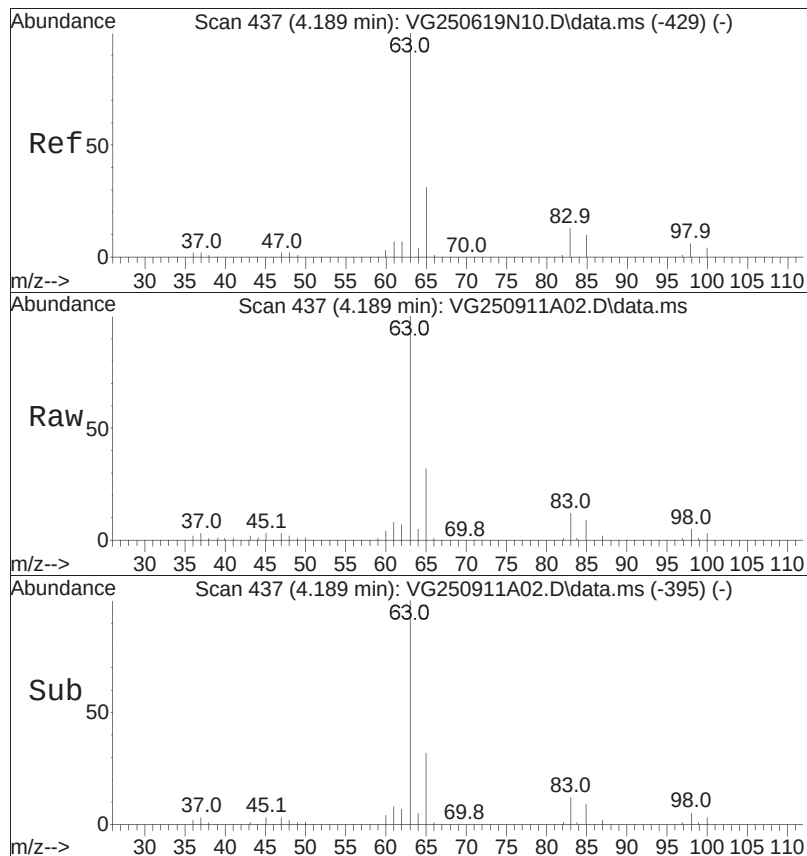




#20
Methyl tert-butyl ether
Concen: 10.11 ug/L
RT: 3.698 min Scan# 368
Delta R.T. 0.000 min
Lab File: VG250911A02.D
Acq: 11 Sep 2025 7:46 am

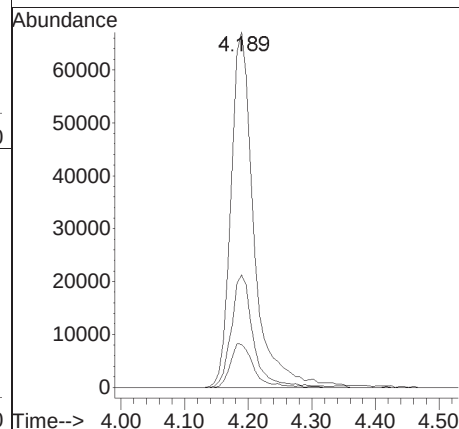
Tgt Ion: 73	Resp: 257006
Ion Ratio	Lower Upper
73 100	
57 21.9	13.1 27.3
43 23.5	14.1 29.3
41 23.6	11.7 24.3

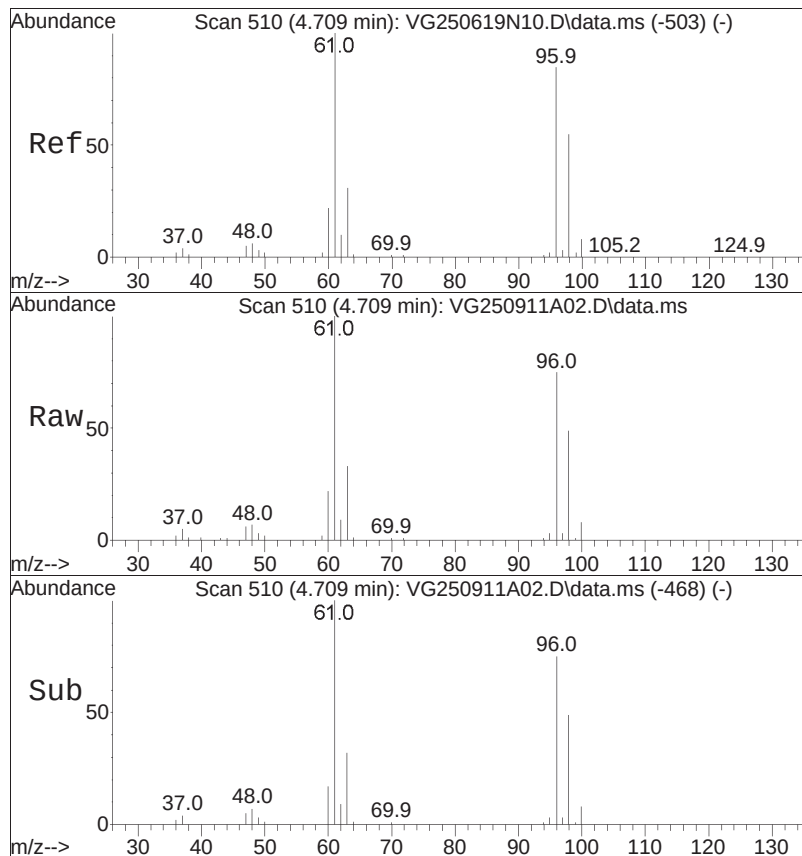




#23
 1,1-Dichloroethane
 Concen: 11.08 ug/L
 RT: 4.189 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

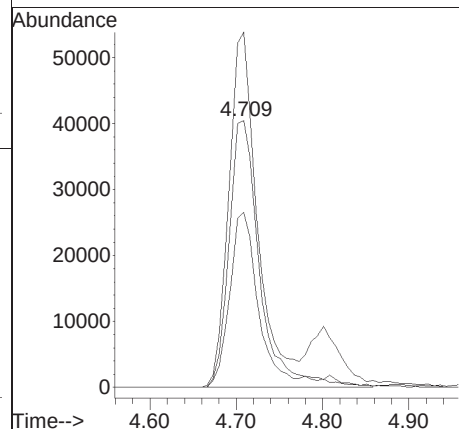
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.1	9.7	49.7
83	12.2	0.0	33.1

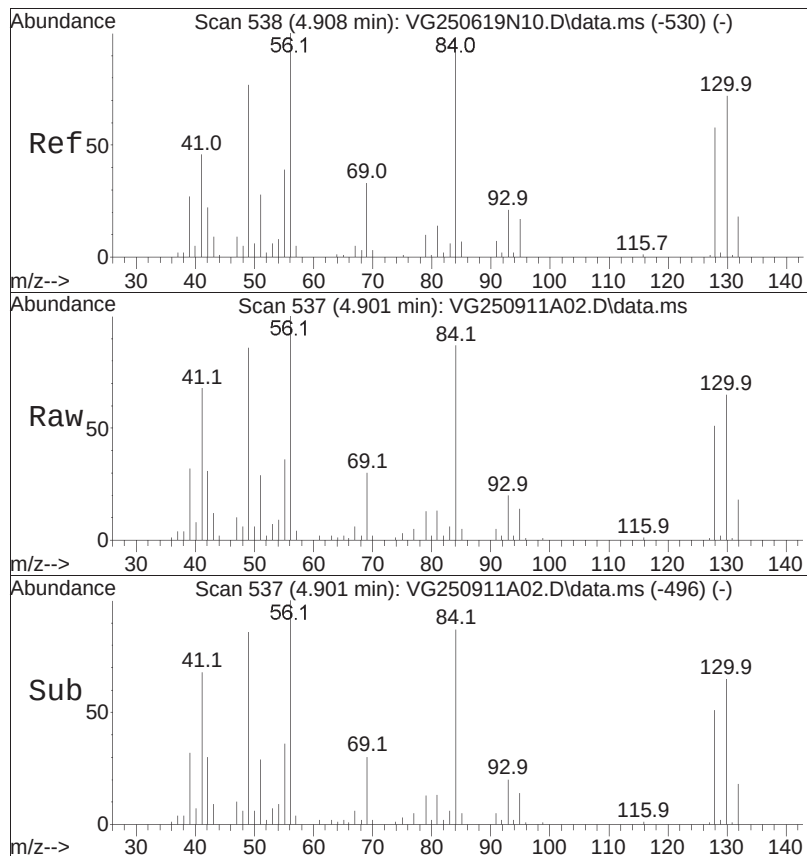




#28
 cis-1,2-Dichloroethene
 Concen: 9.92 ug/L
 RT: 4.709 min Scan# 510
 Delta R.T. -0.000 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

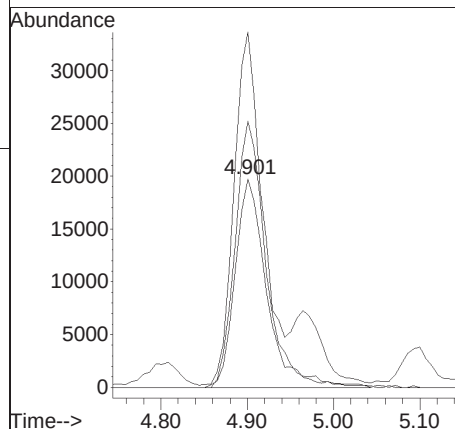
Tgt Ion:	96	Resp:	100799
Ion Ratio	Lower	Upper	
96	100		
61	124.1	87.4	131.2
98	60.6	47.5	71.3

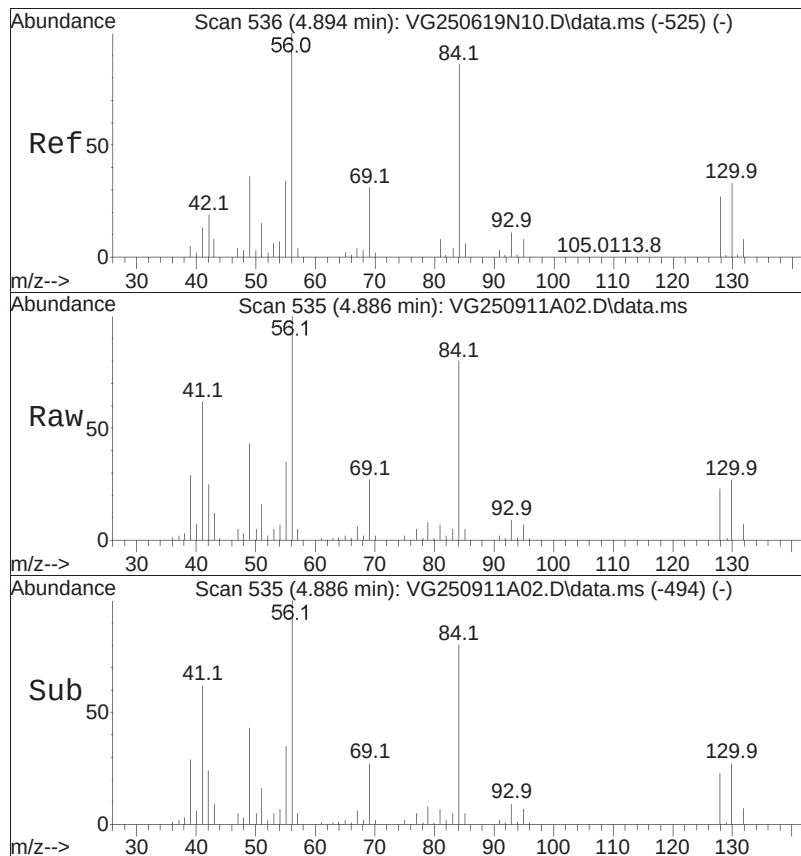




#30
 Bromochloromethane
 Concen: 10.50 ug/L
 RT: 4.901 min Scan# 537
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

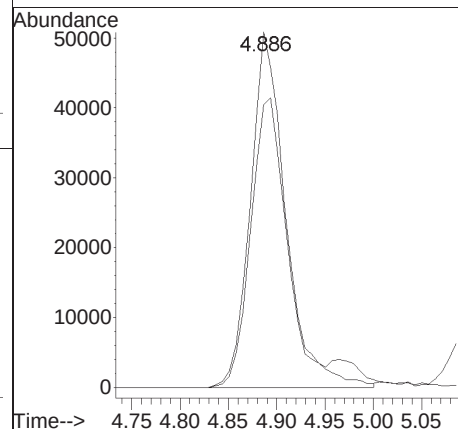
Tgt	Ion:128	Resp:	49948
Ion	Ratio	Lower	Upper
128	100		
49	153.4	105.7	158.5
130	126.7	100.9	151.3

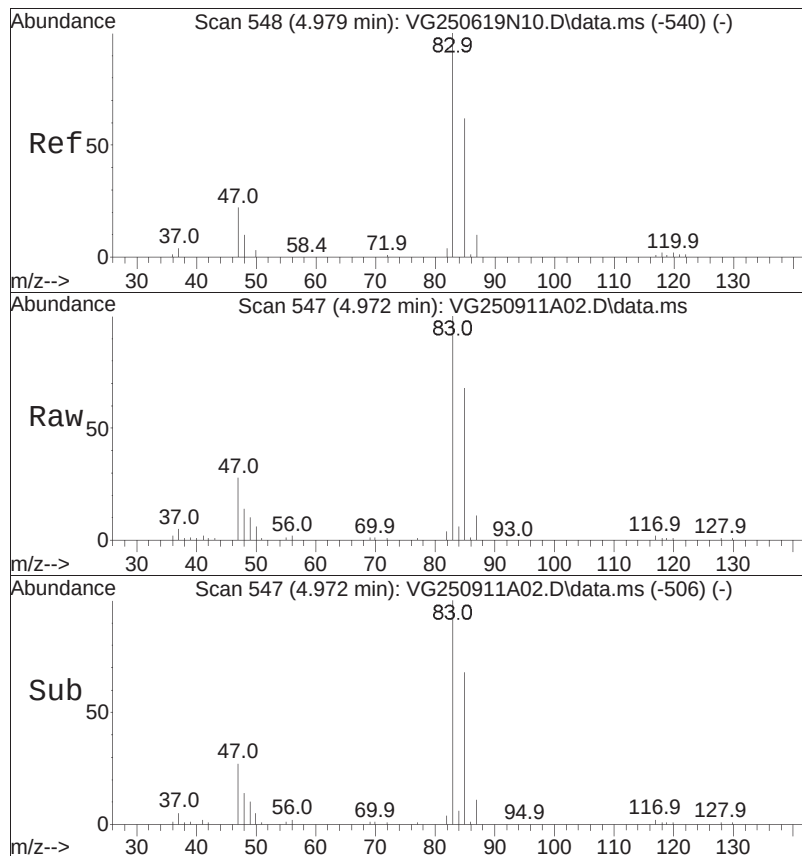




#31
Cyclohexane
Concen: 9.61 ug/L
RT: 4.886 min Scan# 535
Delta R.T. -0.007 min
Lab File: VG250911A02.D
Acq: 11 Sep 2025 7:46 am

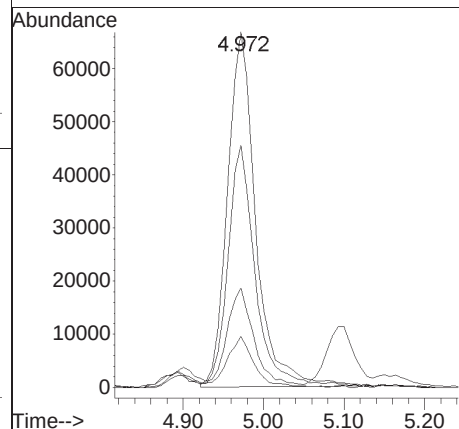
Tgt	Ion	Resp	Lower	Upper
56	100			
84	83.5	56.0	116.2	

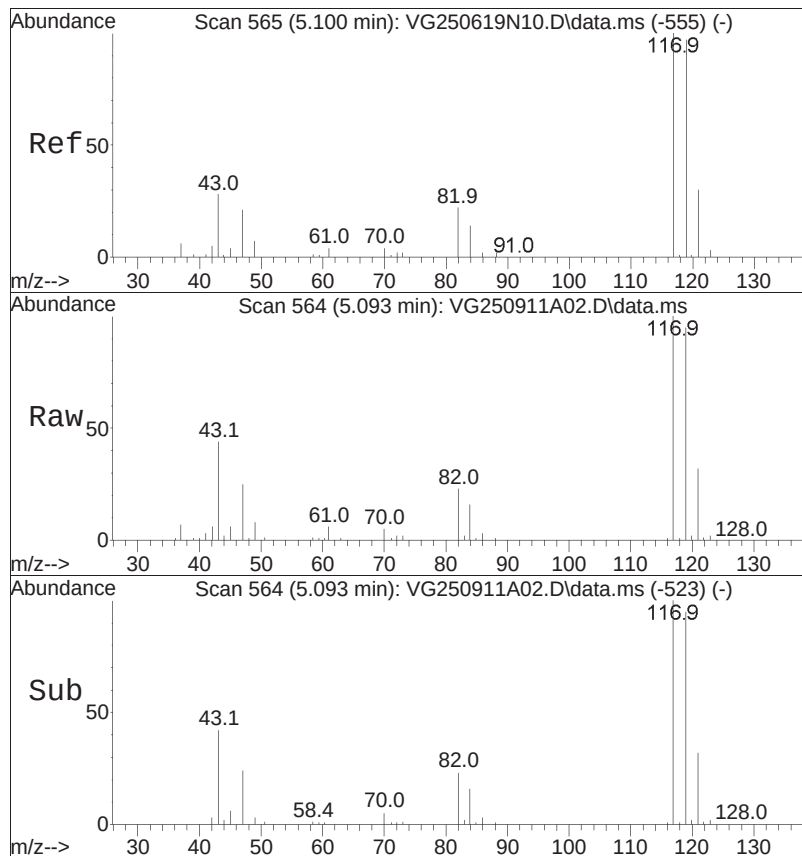




#32
 Chloroform
 Concen: 10.31 ug/L
 RT: 4.972 min Scan# 547
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

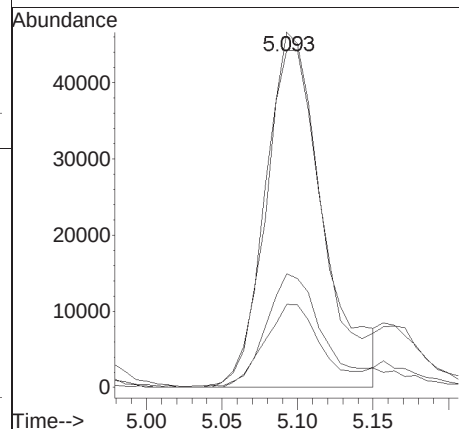
Tgt Ion: 83	Resp: 163644
Ion Ratio	Lower Upper
83 100	
85 62.8	40.8 84.6
47 24.9	13.5 28.1
48 13.7	7.2 15.0

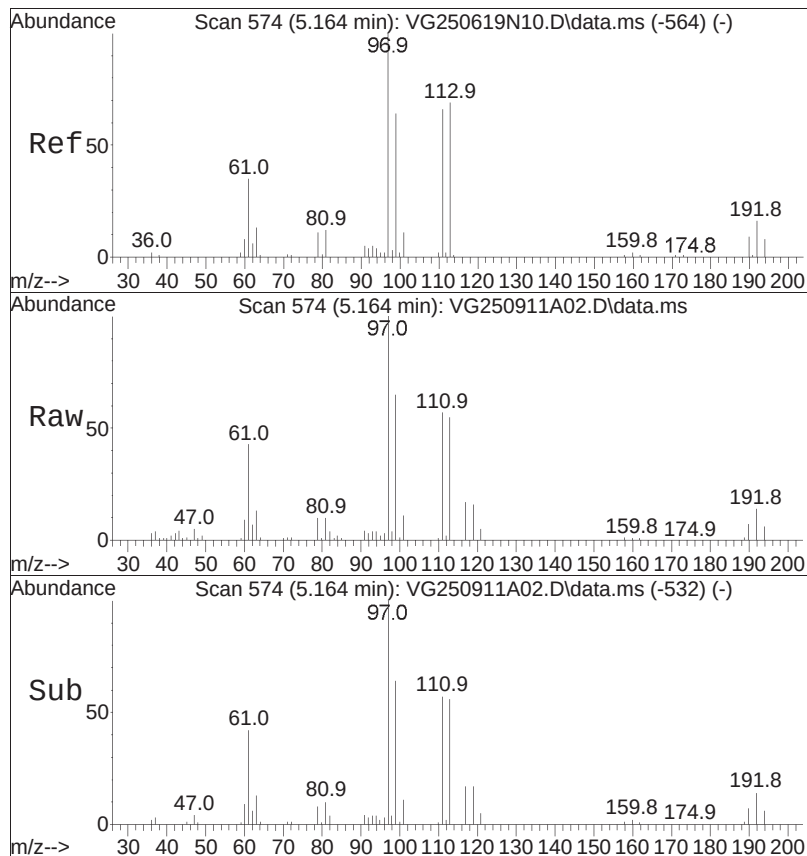




#34
 Carbon tetrachloride
 Concen: 9.74 ug/L
 RT: 5.093 min Scan# 564
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

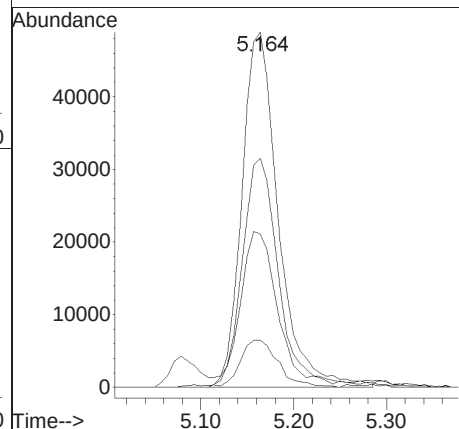
Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	93.0	60.6	125.8
121	30.9	19.9	41.3
82	22.8	13.8	28.8

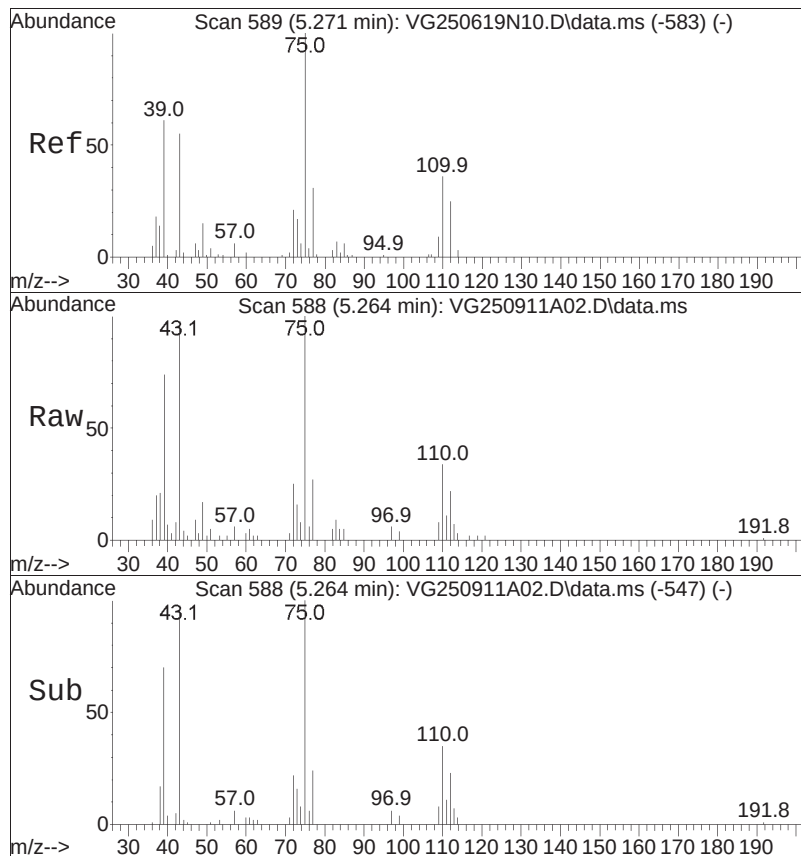




#37
 1,1,1-Trichloroethane
 Concen: 9.61 ug/L
 RT: 5.164 min Scan# 574
 Delta R.T. -0.000 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

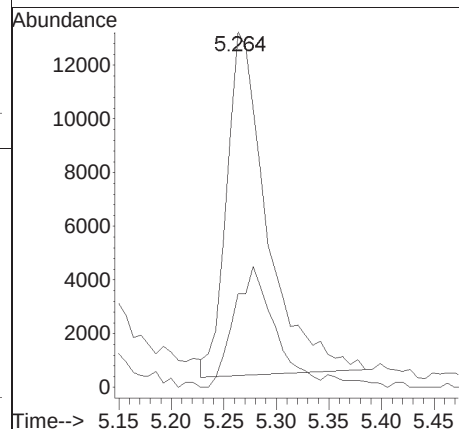
Tgt Ion:	97	Resp:	133557
Ion Ratio	Lower	Upper	
97	100		
99	64.4	41.0	85.0
61	44.7	26.7	55.4
63	14.0	8.6	17.8

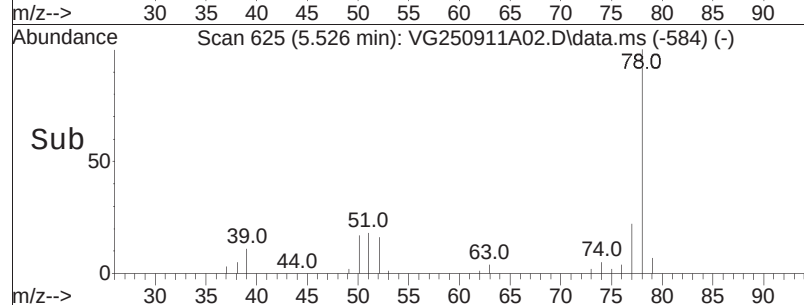
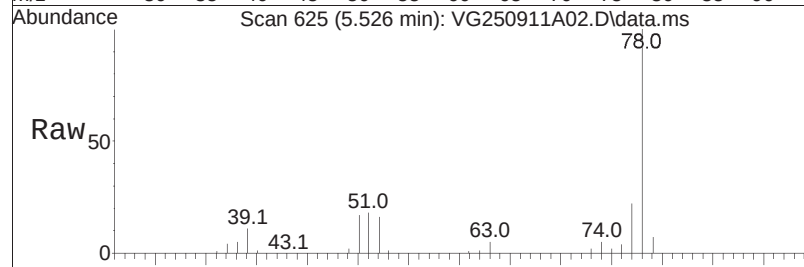
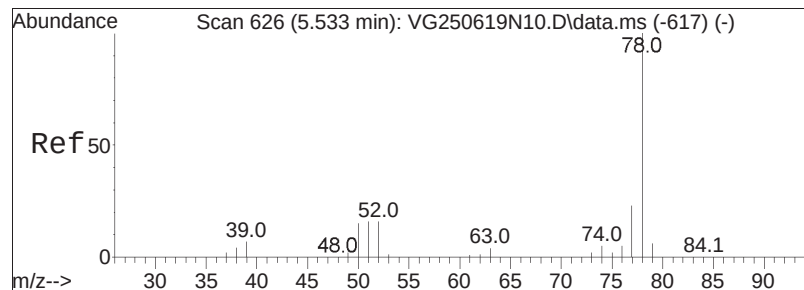




#39
 2-Butanone
 Concen: 11.86 ug/L
 RT: 5.264 min Scan# 588
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

Tgt Ion:	43	72	Ratio	100	35.6	Resp:	34171	Lower	41.3	Upper	61.9#
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#41

Benzene

Concen: 10.41 ug/L

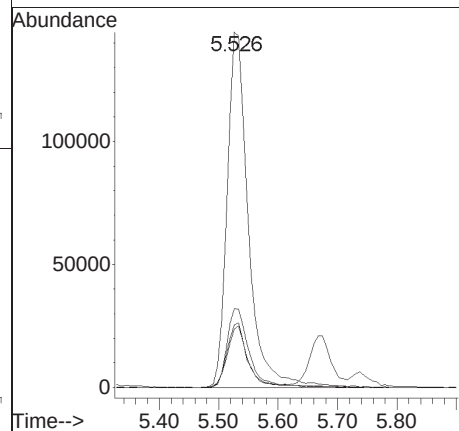
RT: 5.526 min Scan# 625

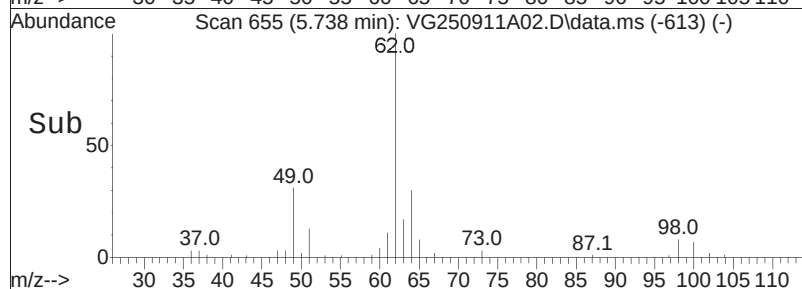
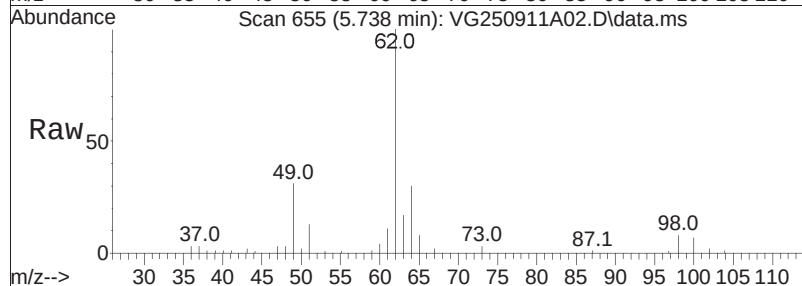
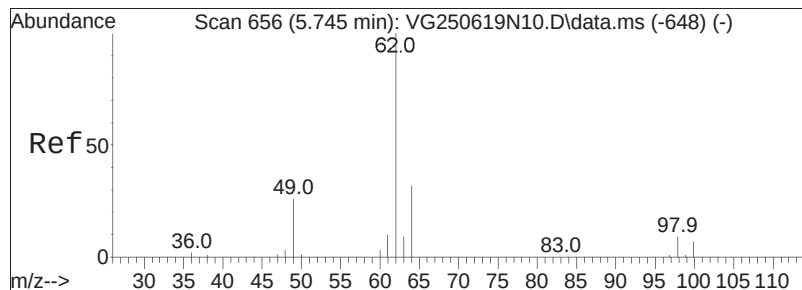
Delta R.T. -0.007 min

Lab File: VG250911A02.D

Acq: 11 Sep 2025 7:46 am

Tgt Ion:	78	Resp:	361132
Ion Ratio	Lower	Upper	
78	100		
77	22.4	15.1	31.3
51	17.1	10.3	21.3
52	16.3	9.9	20.7





#44

1,2-Dichloroethane

Concen: 11.05 ug/L

RT: 5.738 min Scan# 655

Delta R.T. -0.007 min

Lab File: VG250911A02.D

Acq: 11 Sep 2025 7:46 am

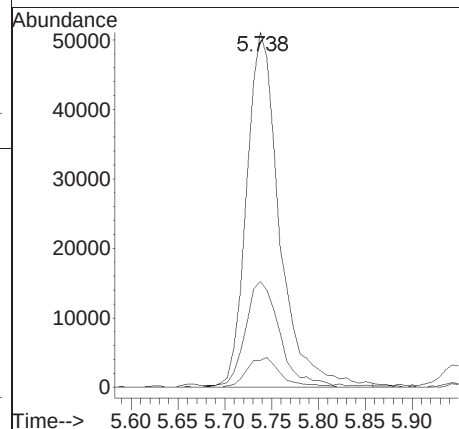
Tgt Ion: 62 Resp: 125608

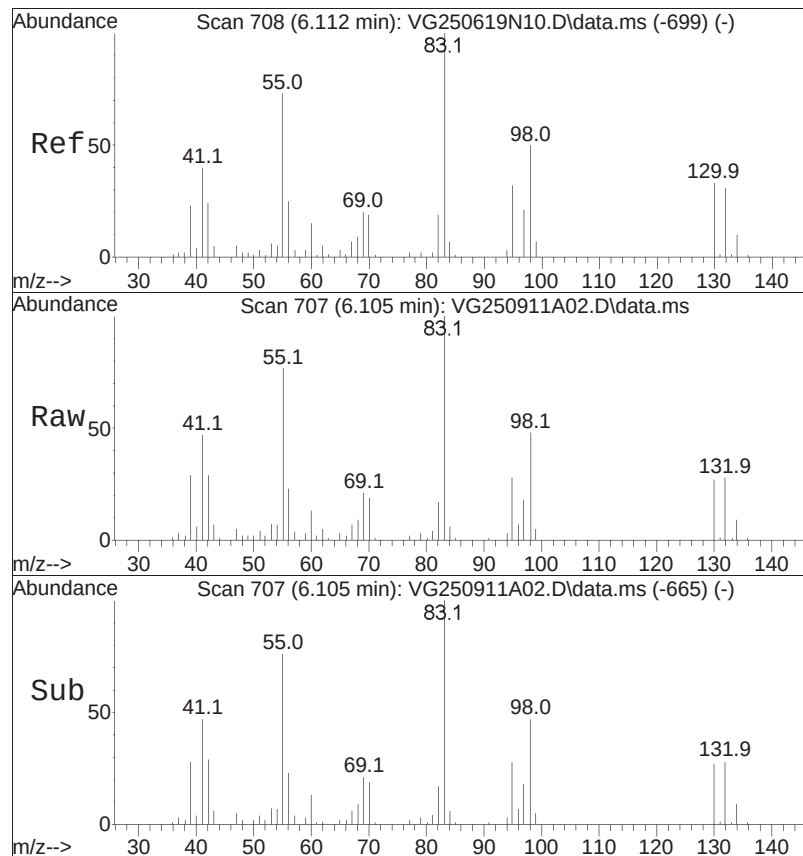
Ion Ratio Lower Upper

62 100

64 30.4 10.9 50.9

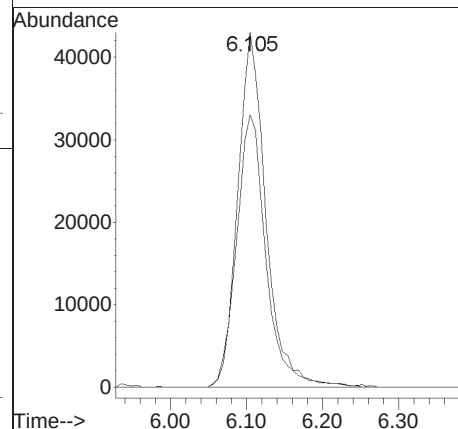
98 8.8 0.0 29.9

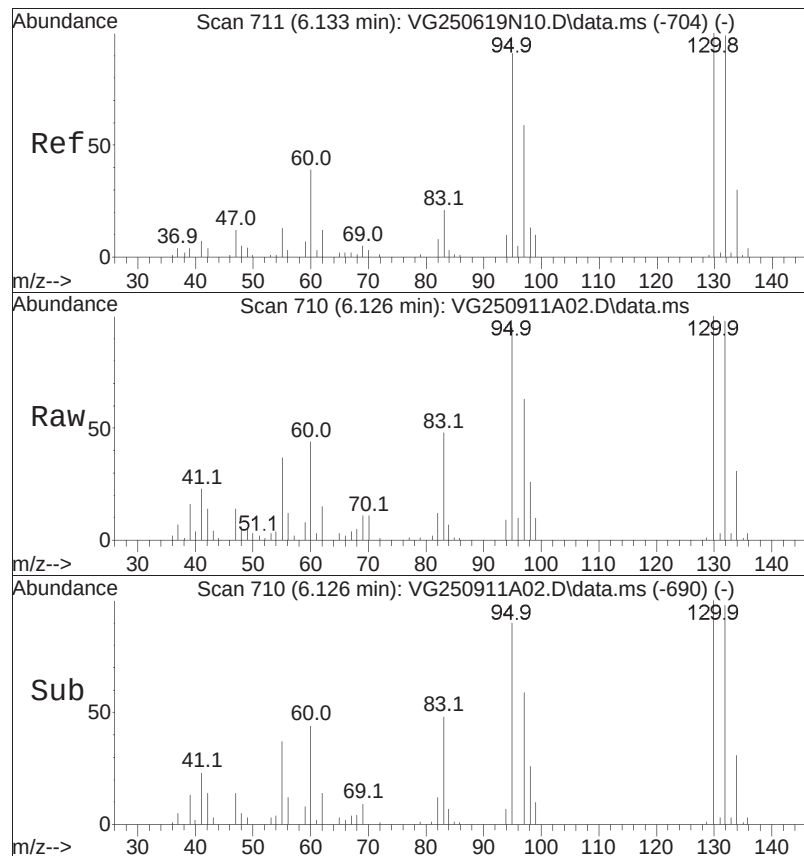




#47
Methyl cyclohexane
Concen: 8.95 ug/L
RT: 6.105 min Scan# 707
Delta R.T. -0.007 min
Lab File: VG250911A02.D
Acq: 11 Sep 2025 7:46 am

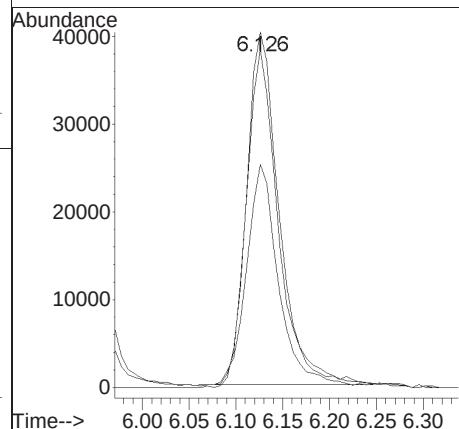
Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.9	59.9	89.9

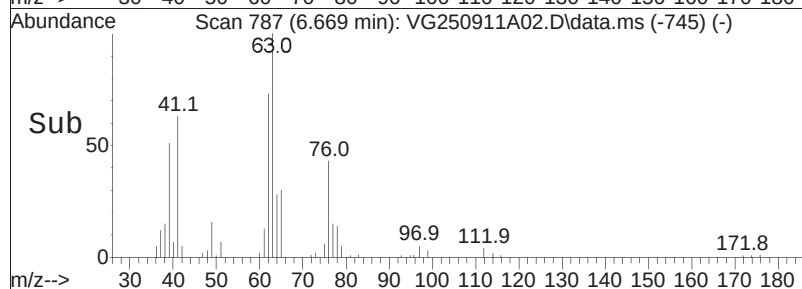
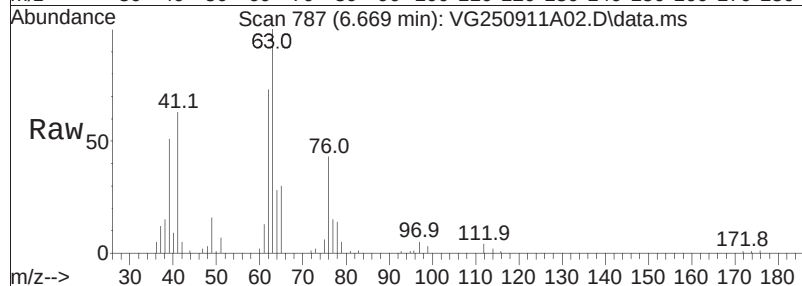
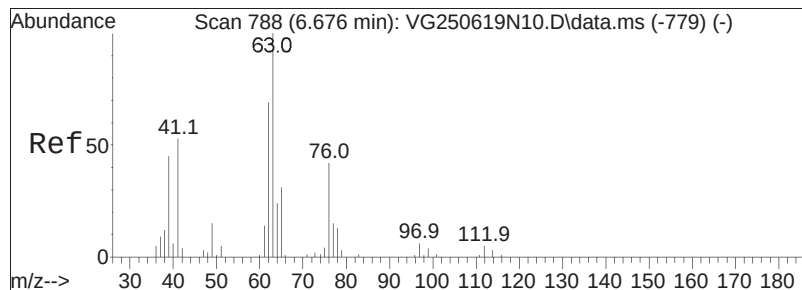




#48
 Trichloroethene
 Concen: 9.50 ug/L
 RT: 6.126 min Scan# 710
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

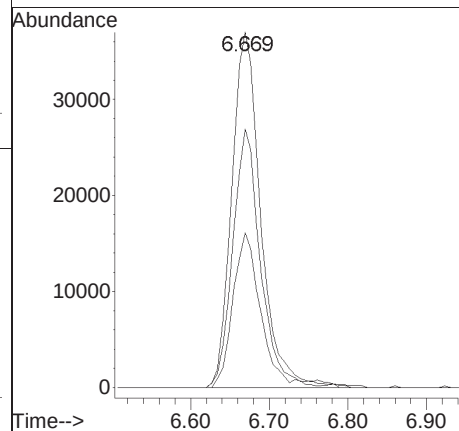
Tgt Ion	Ratio	Lower	Upper
95	100		
97	66.2	53.8	80.6
130	112.3	87.0	130.6

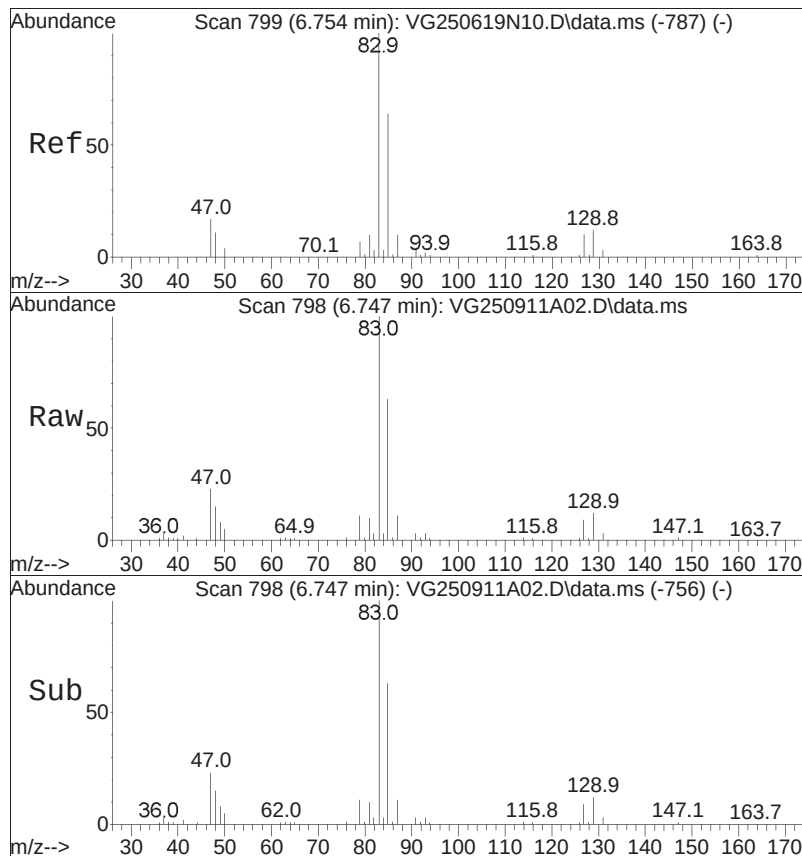




#51
 1,2-Dichloropropane
 Concen: 10.68 ug/L
 RT: 6.669 min Scan# 787
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

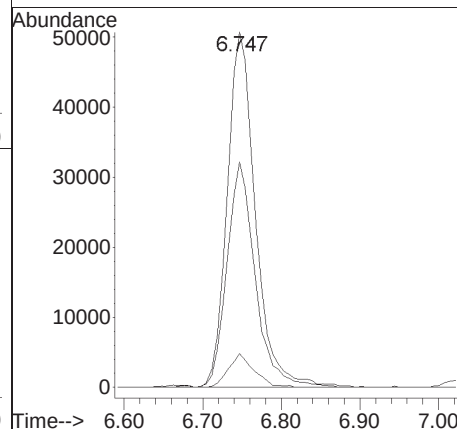
Tgt Ion:	63	Resp:	95163
Ion Ratio	Lower	Upper	
63	100		
62	70.0	54.1	81.1
76	41.4	33.8	50.6

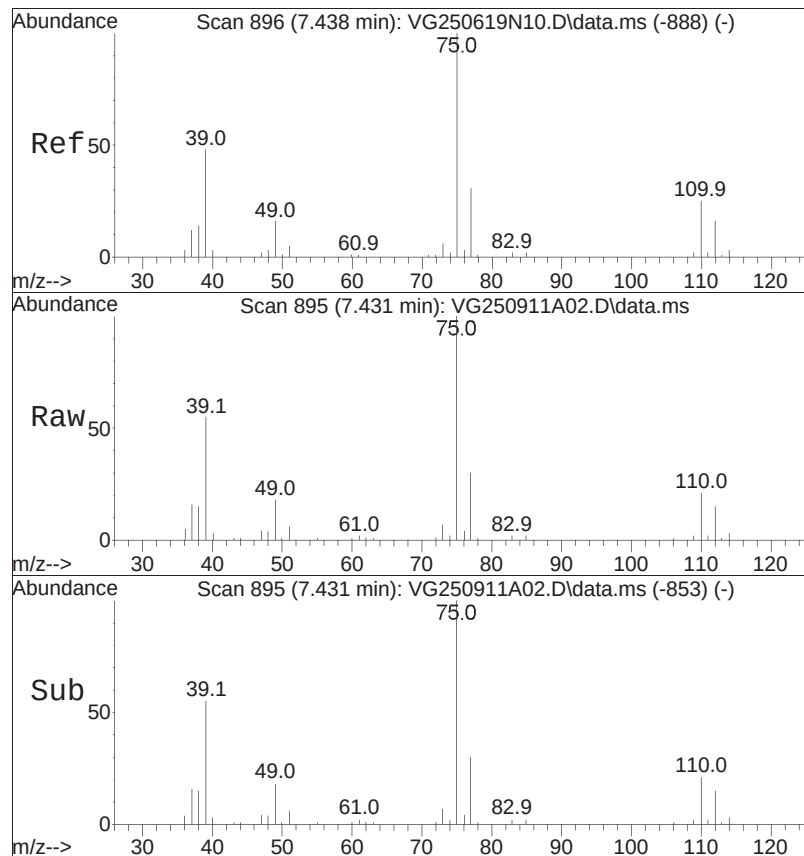




#54
 Bromodichloromethane
 Concen: 10.05 ug/L
 RT: 6.747 min Scan# 798
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

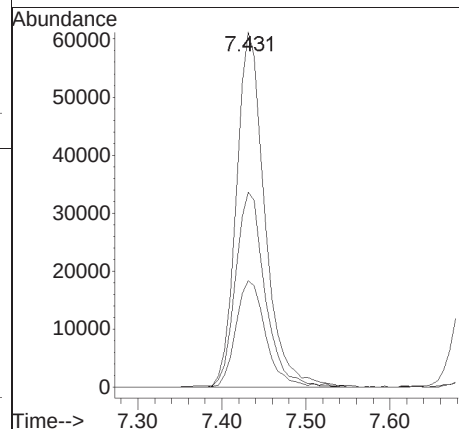
Tgt Ion:	83	Resp:	126622
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.0	76.6
127	8.7	7.8	11.6

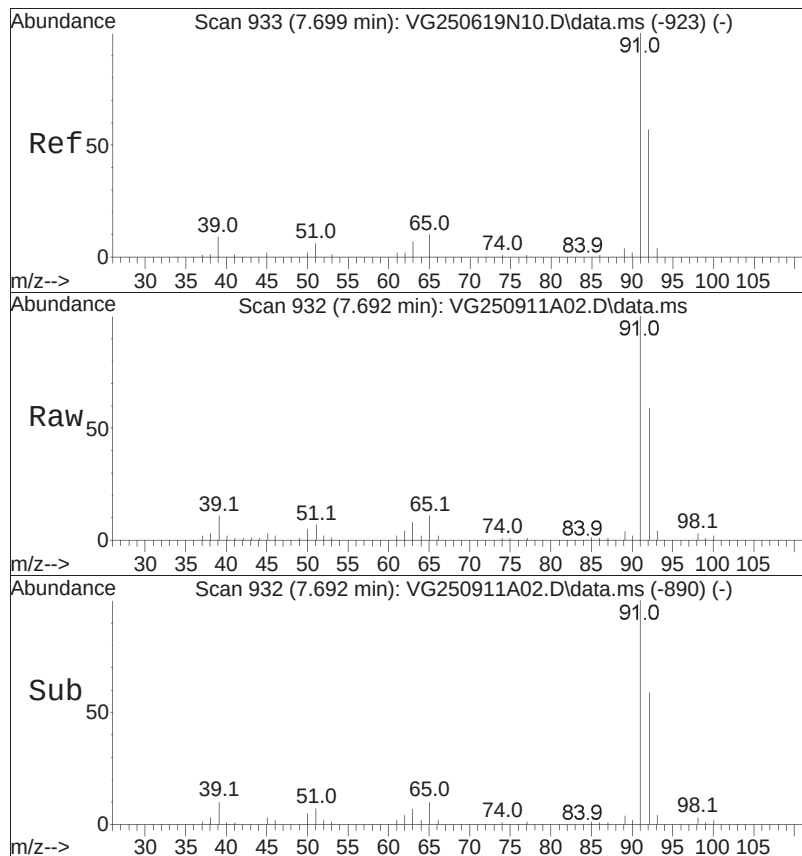




#58
 cis-1,3-Dichloropropene
 Concen: 9.83 ug/L
 RT: 7.431 min Scan# 895
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

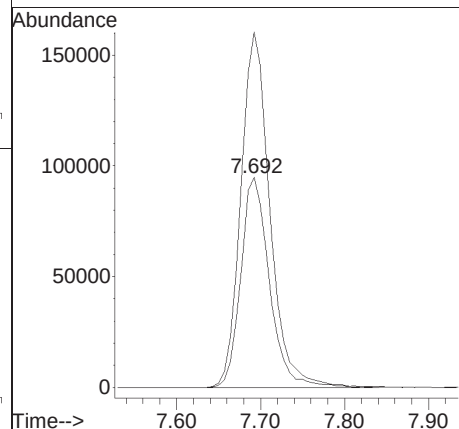
Tgt Ion:	75	Resp:	144974
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.2	37.8
39	57.4	39.9	59.9

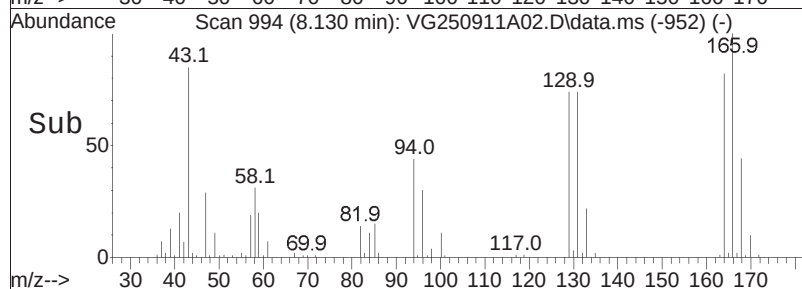
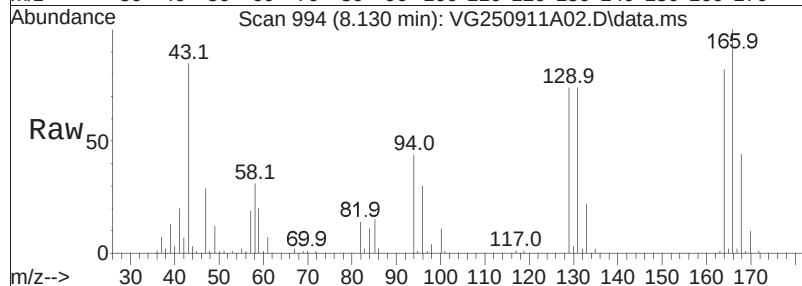
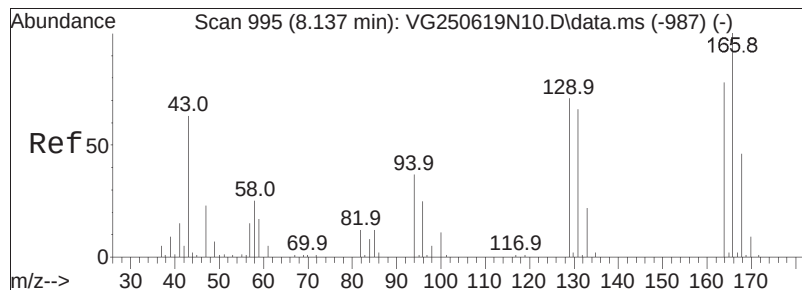




#61
 Toluene
 Concen: 10.17 ug/L
 RT: 7.692 min Scan# 932
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	138.2	207.2





#62

4-Methyl-2-pentanone

Concen: 9.90 ug/L

RT: 8.130 min Scan# 994

Delta R.T. -0.007 min

Lab File: VG250911A02.D

Acq: 11 Sep 2025 7:46 am

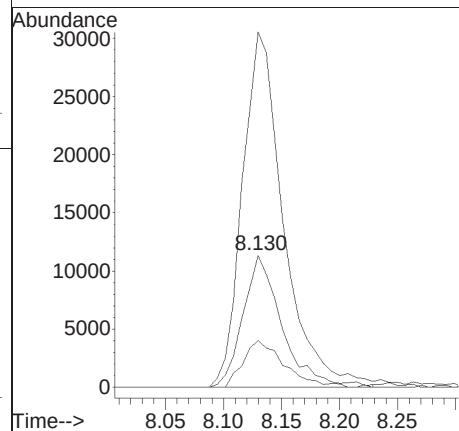
Tgt Ion: 58 Resp: 26698

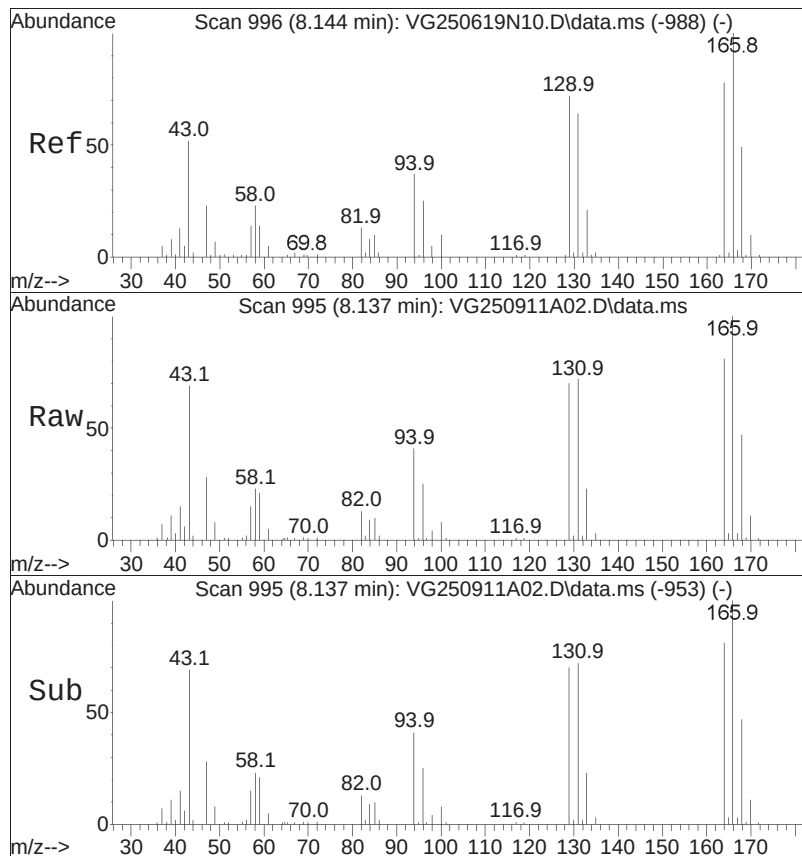
Ion Ratio Lower Upper

58 100

100 37.6 33.9 50.9

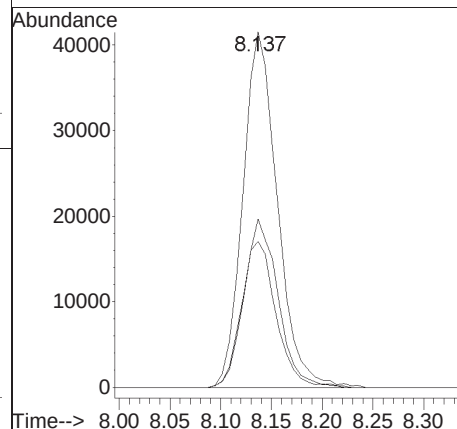
43 284.7 193.0 289.6

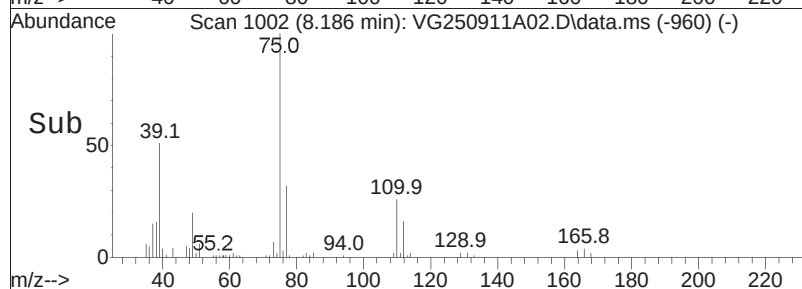
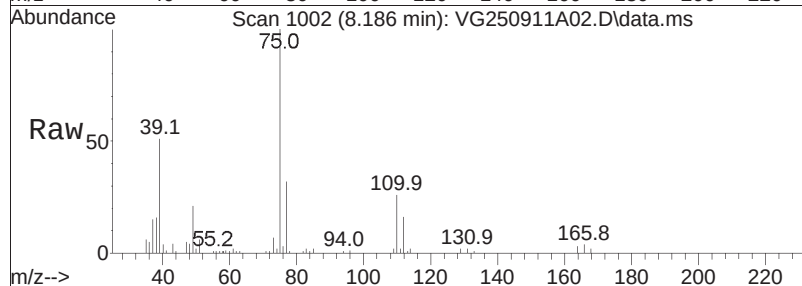
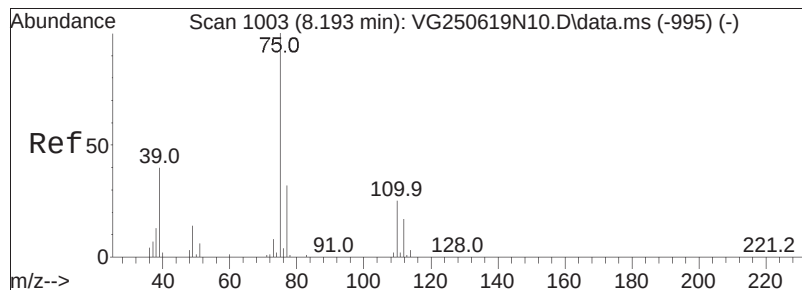




#63
Tetrachloroethene
Concen: 9.60 ug/L
RT: 8.137 min Scan# 995
Delta R.T. -0.007 min
Lab File: VG250911A02.D
Acq: 11 Sep 2025 7:46 am

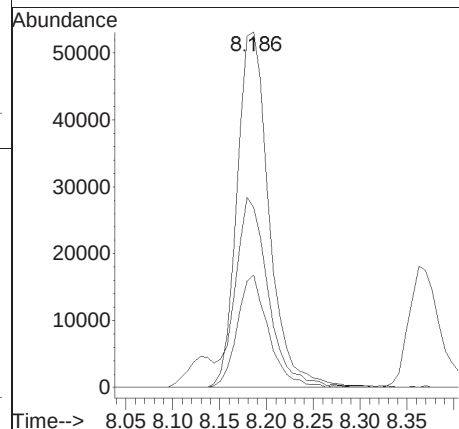
Tgt Ion:	166	Resp:	98116
Ion Ratio	Lower	Upper	
166	100		
168	46.9	27.6	67.6
94	41.0	16.7	56.7

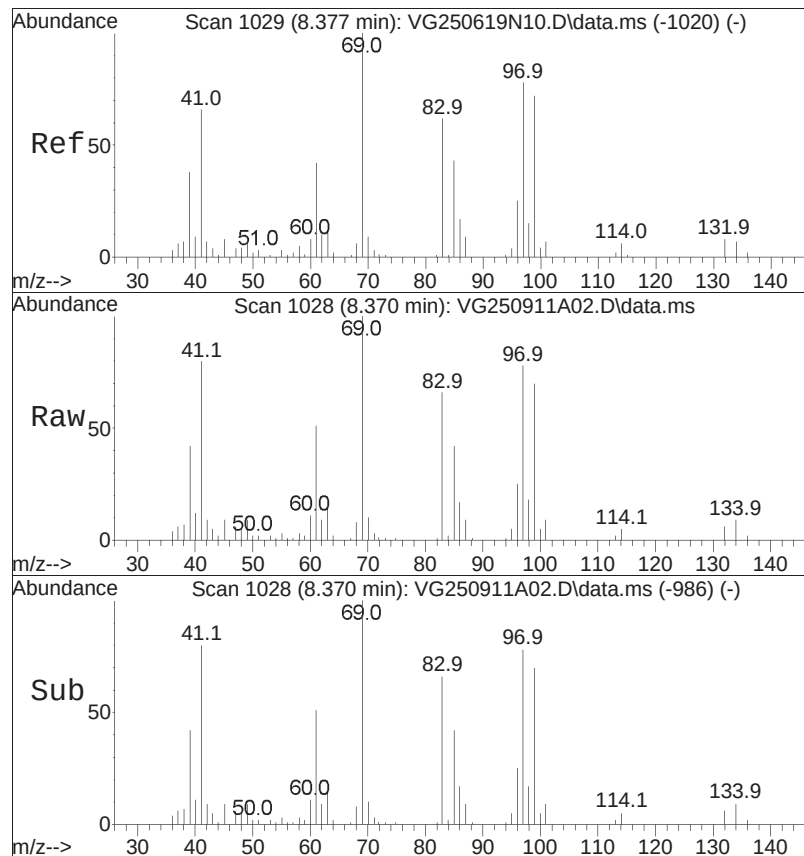




#65
 trans-1,3-Dichloropropene
 Concen: 9.94 ug/L
 RT: 8.186 min Scan# 1002
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

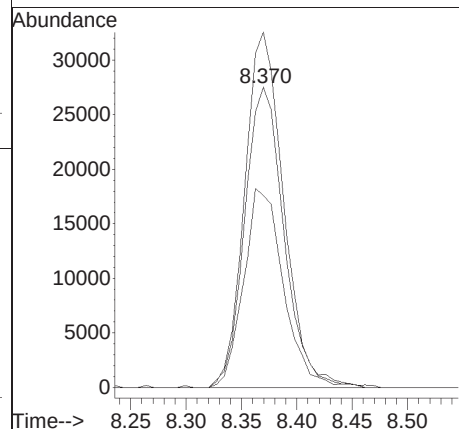
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	11.5	51.5
39	55.6	27.6	67.6

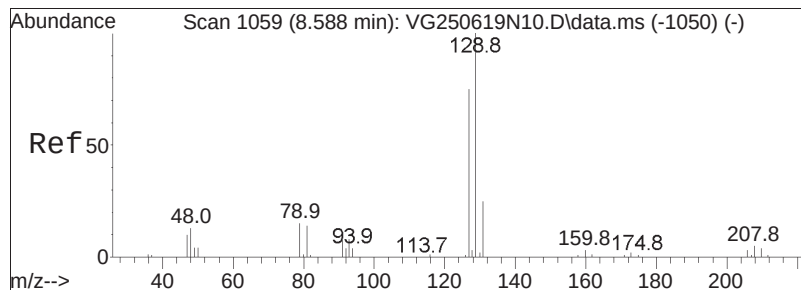




#68
 1,1,2-Trichloroethane
 Concen: 10.35 ug/L
 RT: 8.370 min Scan# 1028
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

Tgt Ion:	83	Resp:	67853
Ion Ratio	Lower	Upper	
83	100		
97	117.7	103.4	143.4
85	67.2	48.6	88.6





#69

Chlorodibromomethane

Concen: 9.69 ug/L

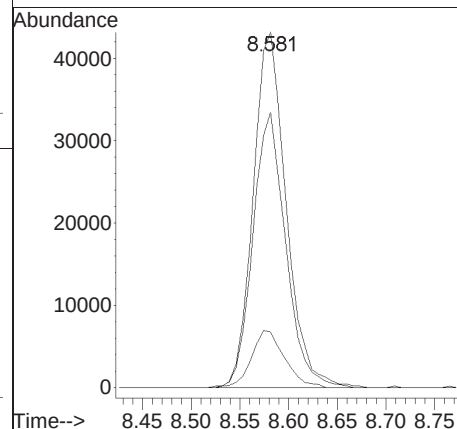
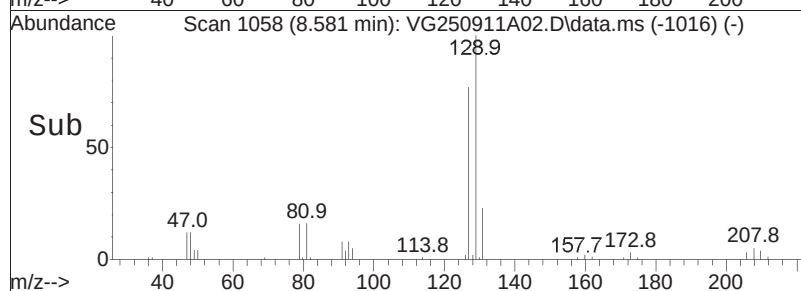
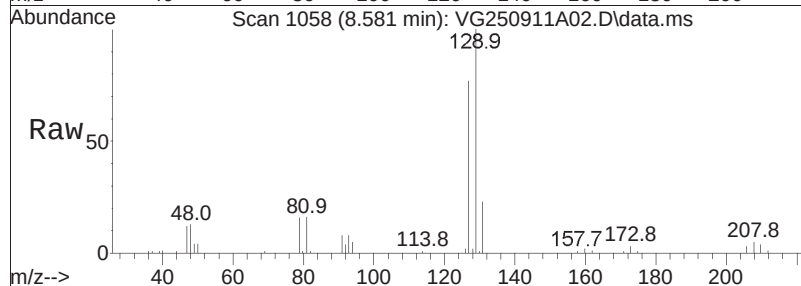
RT: 8.581 min Scan# 1058

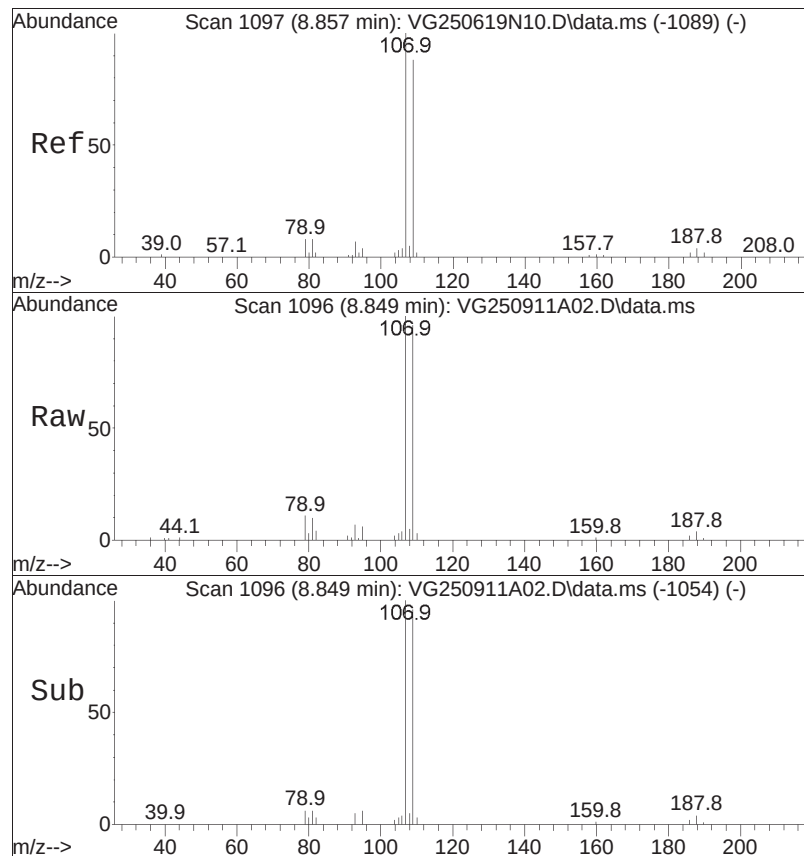
Delta R.T. -0.007 min

Lab File: VG250911A02.D

Acq: 11 Sep 2025 7:46 am

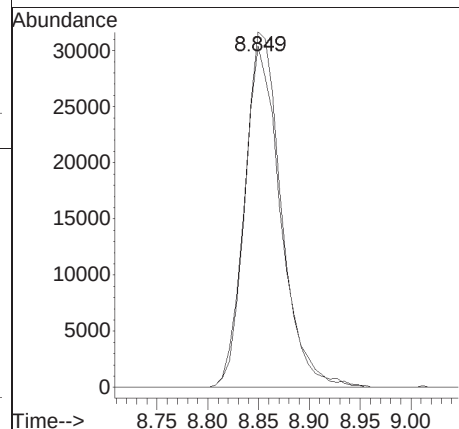
Tgt Ion:	129	Resp:	101497
Ion Ratio	Lower	Upper	
129	100		
81	16.0	0.0	34.8
127	76.9	57.0	97.0

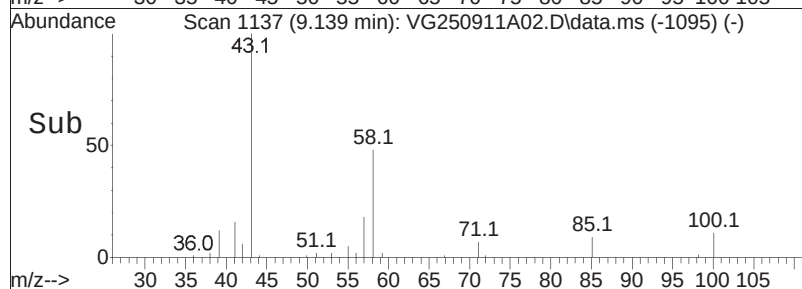
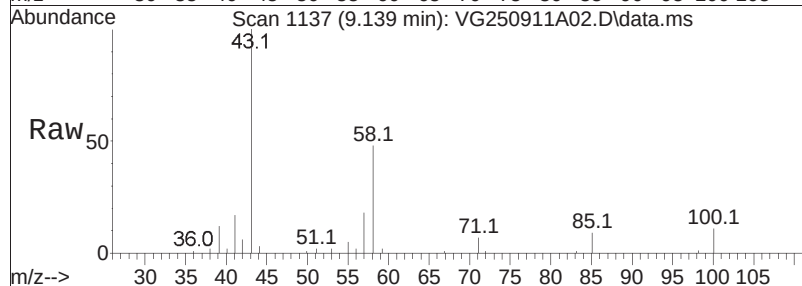
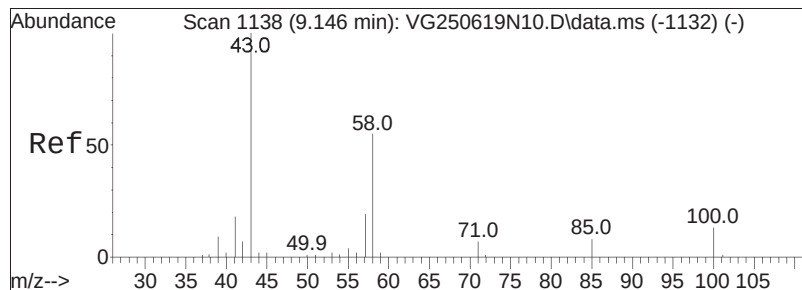




#71
 1,2-Dibromoethane
 Concen: 9.57 ug/L
 RT: 8.849 min Scan# 1096
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.6	111.8





#72

2-Hexanone

Concen: 11.46 ug/L

RT: 9.139 min Scan# 1137

Delta R.T. -0.007 min

Lab File: VG250911A02.D

Acq: 11 Sep 2025 7:46 am

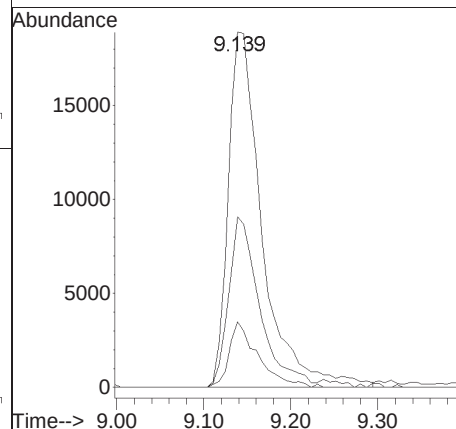
Tgt Ion: 43 Resp: 51287

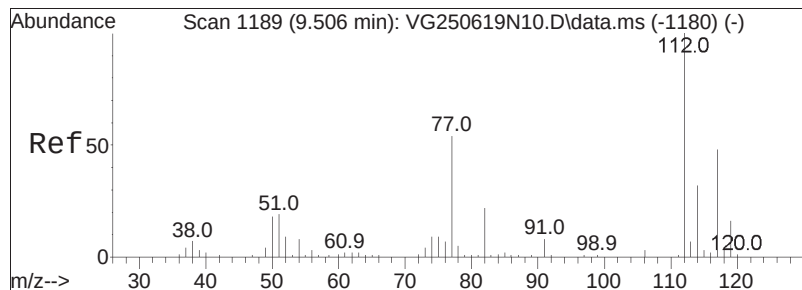
Ion Ratio Lower Upper

43 100

58 44.3 44.0 66.0

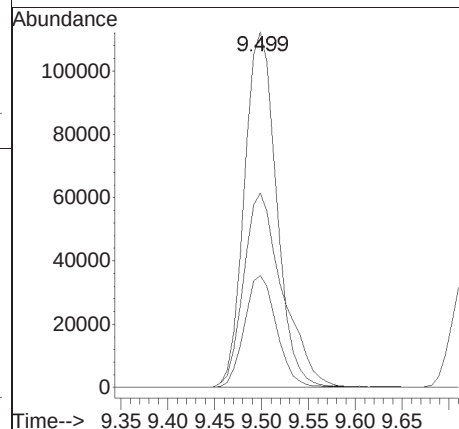
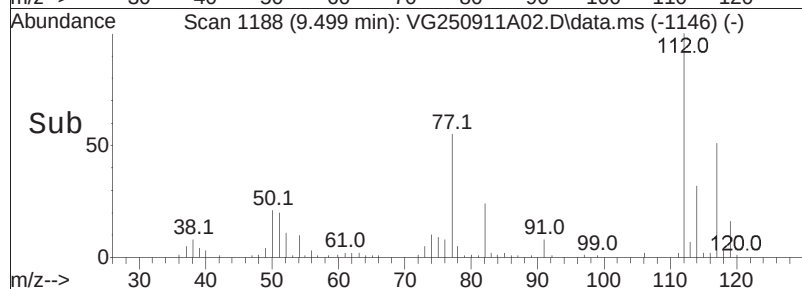
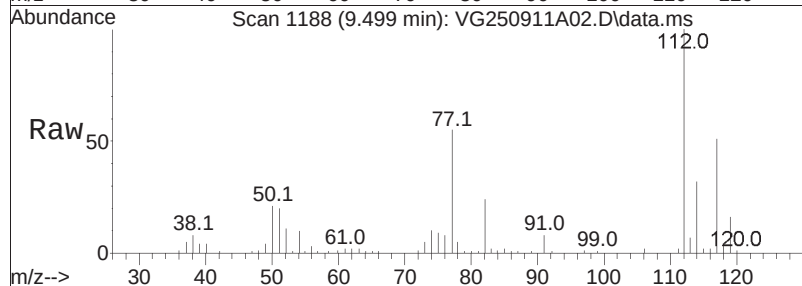
57 15.9 15.7 23.5

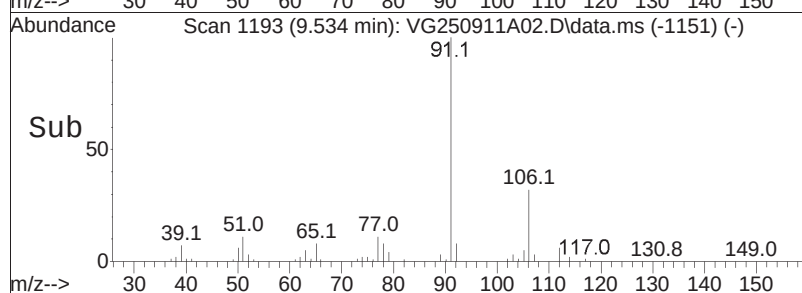
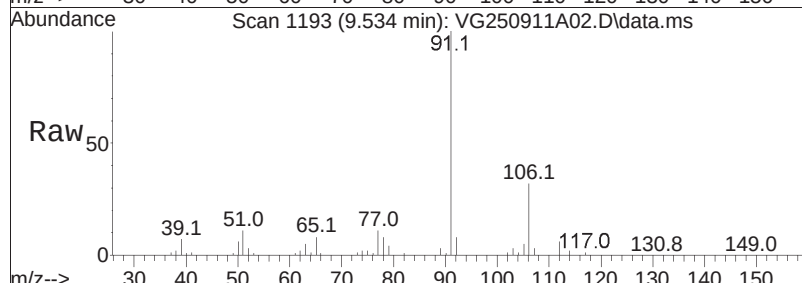
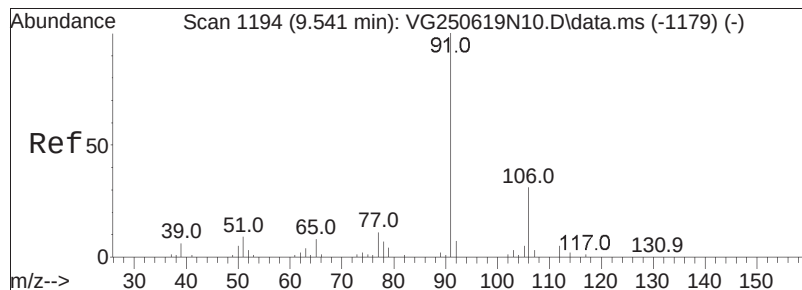




#73
 Chlorobenzene
 Concen: 10.23 ug/L
 RT: 9.499 min Scan# 1188
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

Tgt	Ion:112	Resp:	267631
Ion	Ratio	Lower	Upper
112	100		
77	67.0	53.5	80.3
114	31.6	25.8	38.6





#74

Ethylbenzene

Concen: 9.89 ug/L

RT: 9.534 min Scan# 1193

Delta R.T. -0.007 min

Lab File: VG250911A02.D

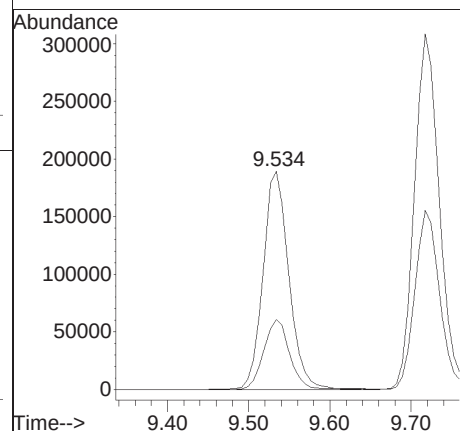
Acq: 11 Sep 2025 7:46 am

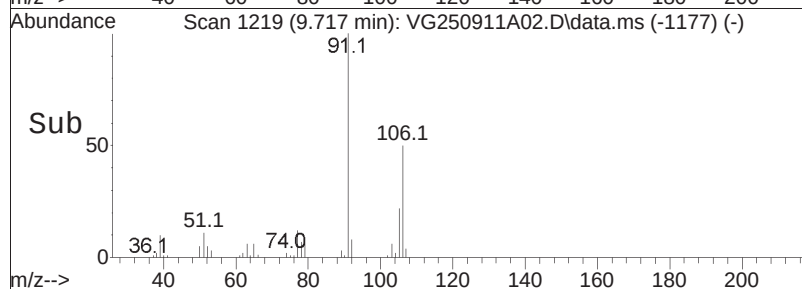
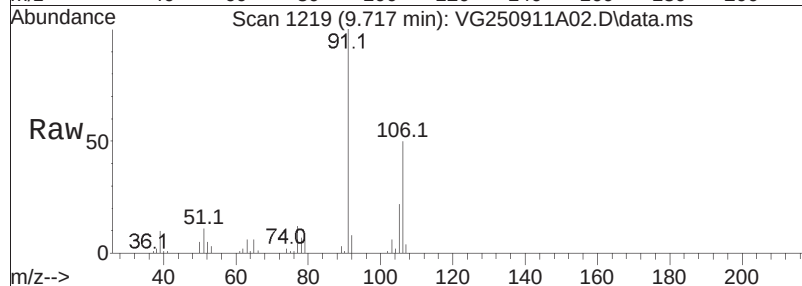
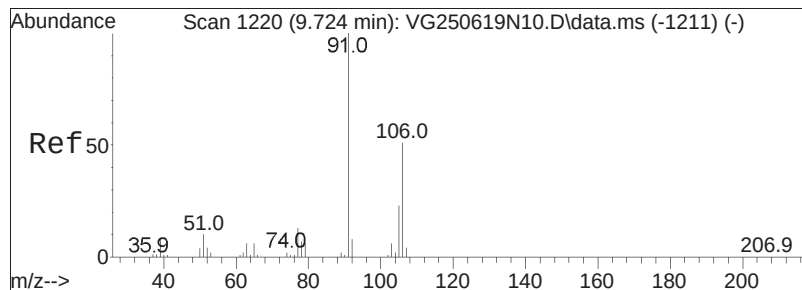
Tgt Ion: 91 Resp: 418147

Ion Ratio Lower Upper

91 100

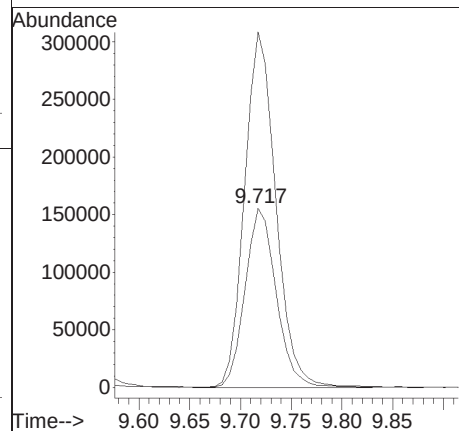
106 31.9 25.0 37.6

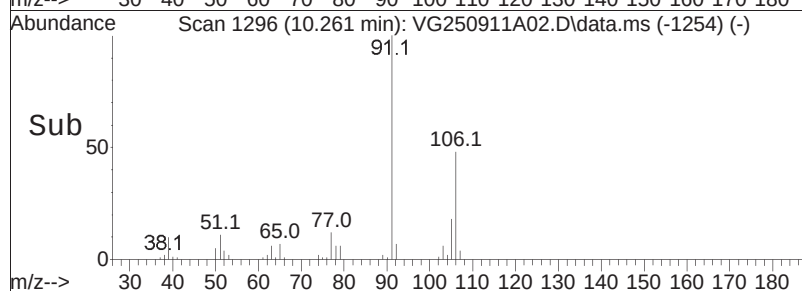
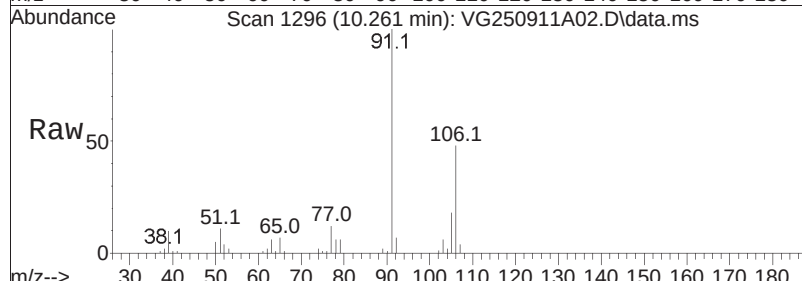
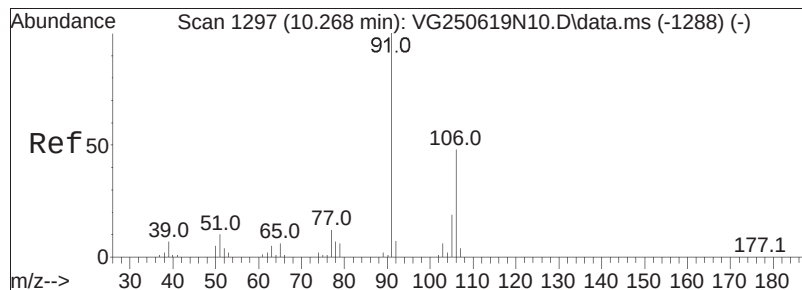




#76
 p/m Xylene
 Concen: 19.71 ug/L
 RT: 9.717 min Scan# 1219
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

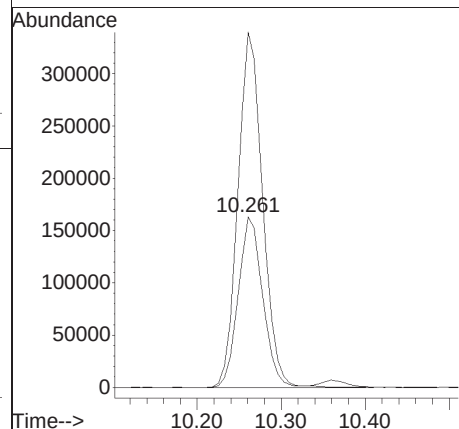
Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.0	154.8	232.2

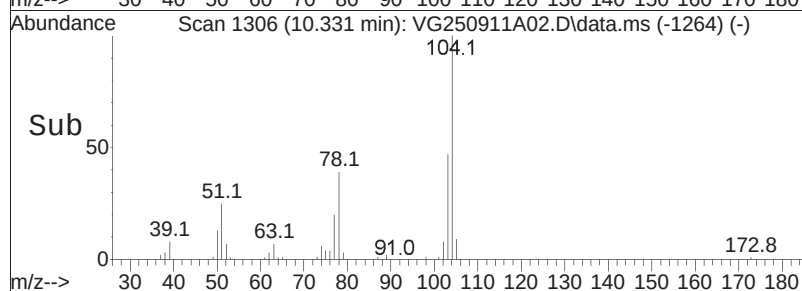
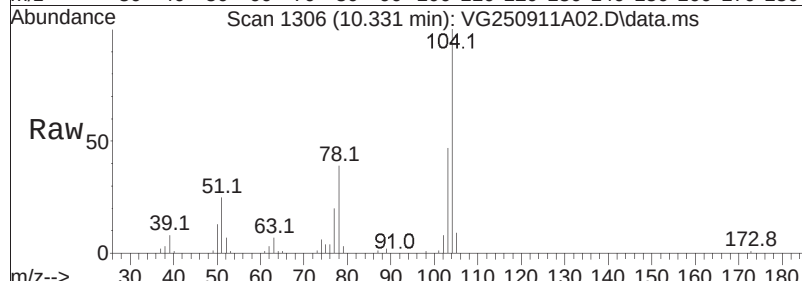
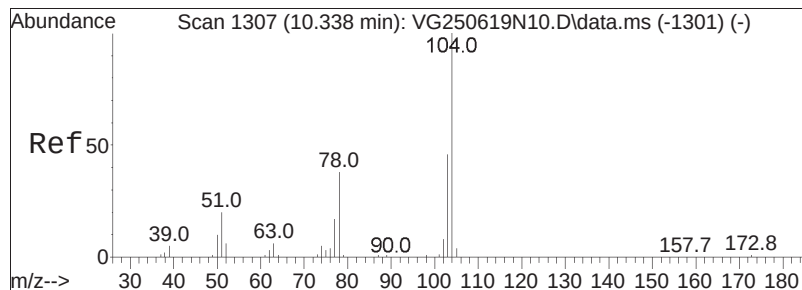




#77
o Xylene
Concen: 19.66 ug/L
RT: 10.261 min Scan# 1296
Delta R.T. -0.007 min
Lab File: VG250911A02.D
Acq: 11 Sep 2025 7:46 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.7	166.0	249.0





#78

Styrene

Concen: 19.33 ug/L

RT: 10.331 min Scan# 1306

Delta R.T. -0.007 min

Lab File: VG250911A02.D

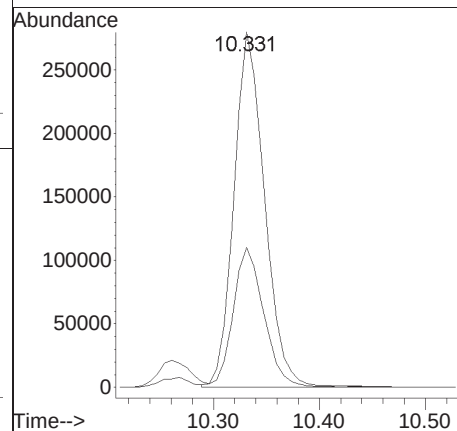
Acq: 11 Sep 2025 7:46 am

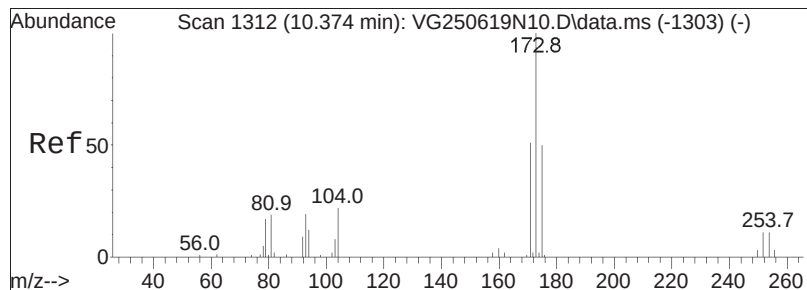
Tgt Ion:104 Resp: 560247

Ion Ratio Lower Upper

104 100

78 39.3 31.4 47.2





#80

Bromoform

Concen: 8.90 ug/L

RT: 10.366 min Scan# 1311

Delta R.T. -0.007 min

Lab File: VG250911A02.D

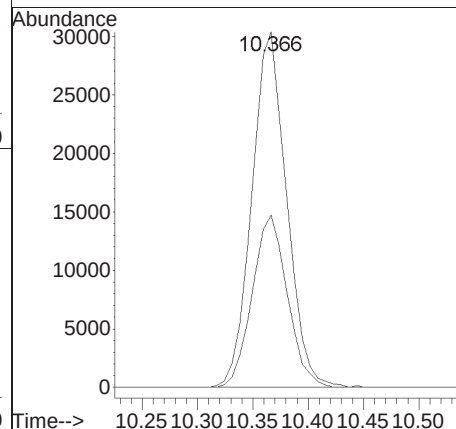
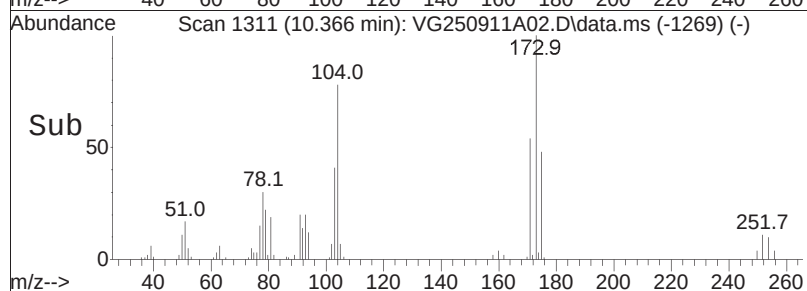
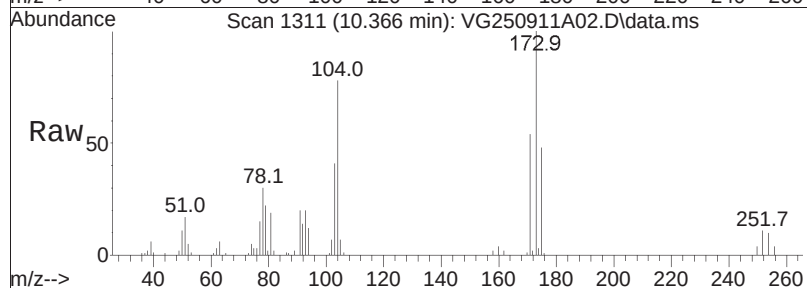
Acq: 11 Sep 2025 7:46 am

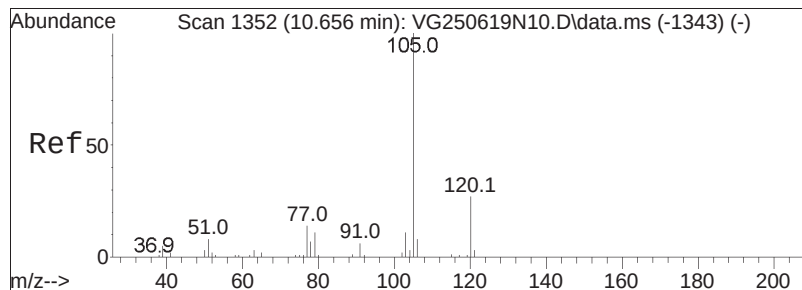
Tgt Ion:173 Resp: 66207

Ion Ratio Lower Upper

173 100

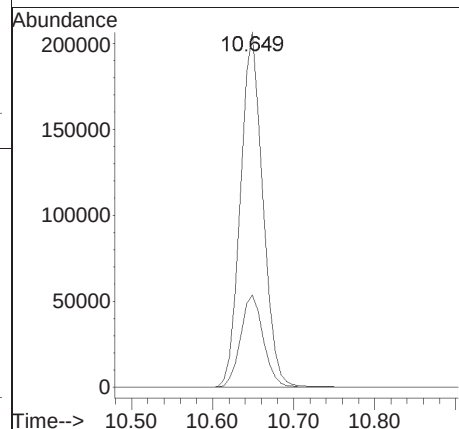
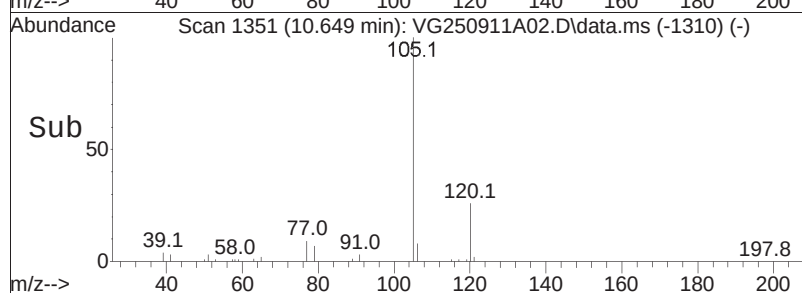
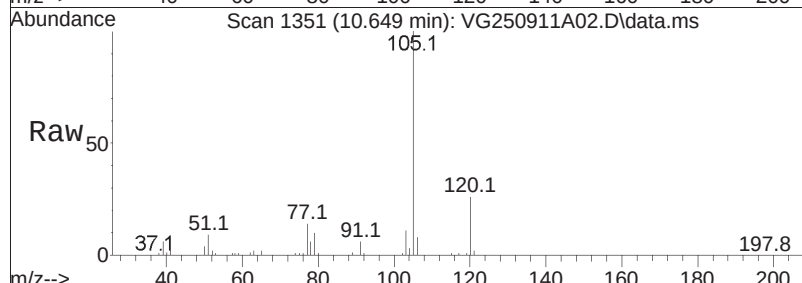
175 49.0 28.8 68.8

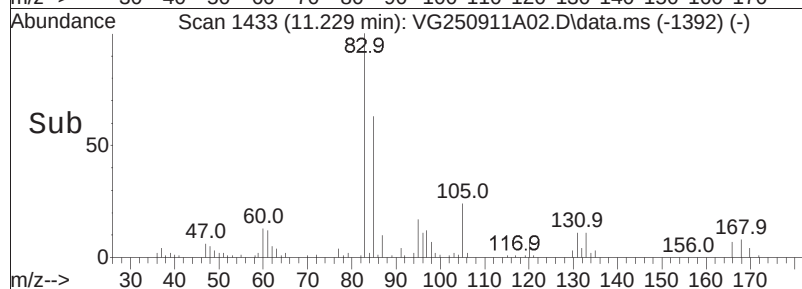
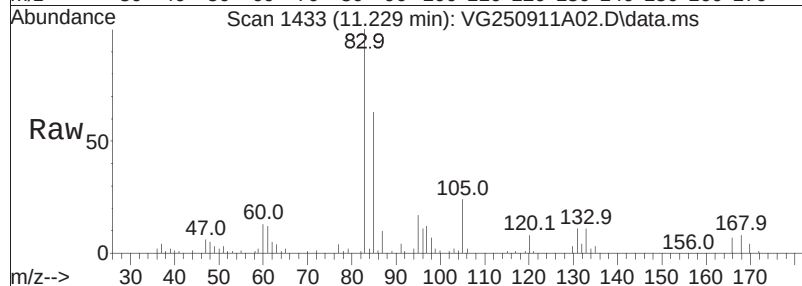
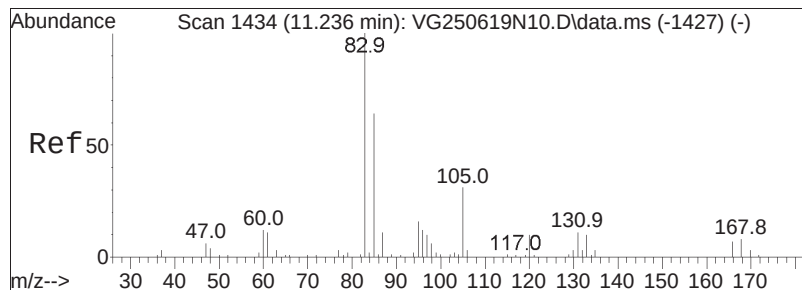




#82
 Isopropylbenzene
 Concen: 9.83 ug/L
 RT: 10.649 min Scan# 1351
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	7.6	47.6





#87

1,1,2,2-Tetrachloroethane

Concen: 9.97 ug/L

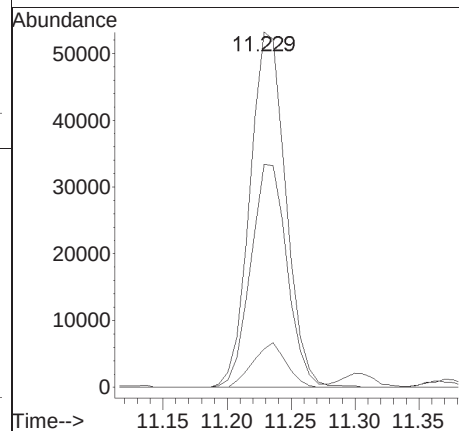
RT: 11.229 min Scan# 1433

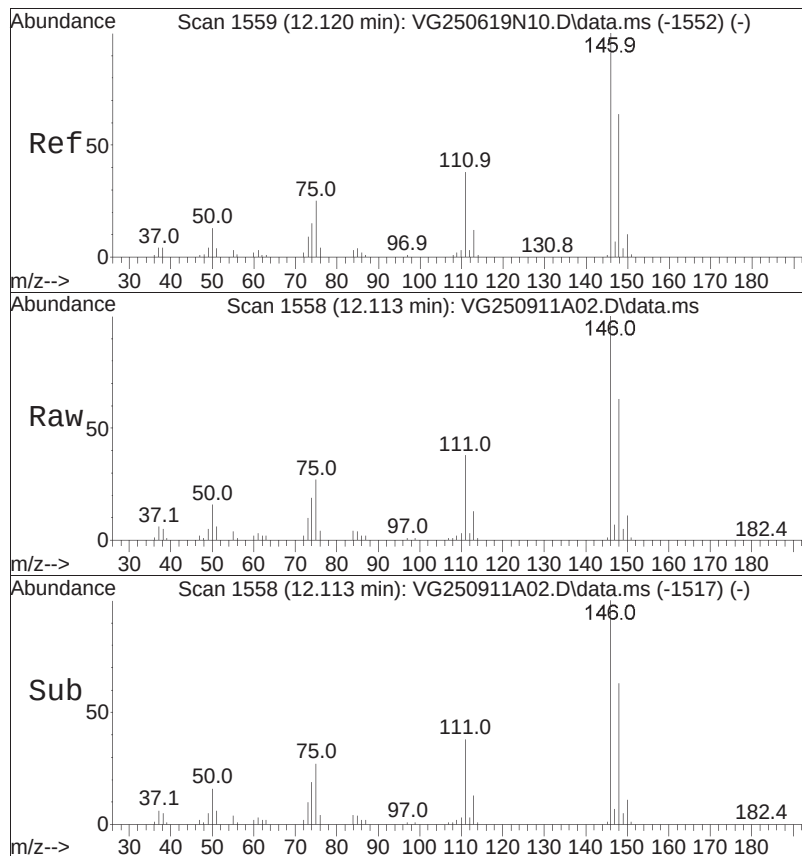
Delta R.T. -0.007 min

Lab File: VG250911A02.D

Acq: 11 Sep 2025 7:46 am

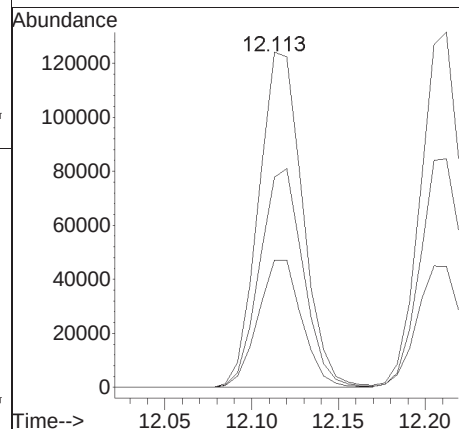
Tgt Ion:	83	Resp:	103936
Ion Ratio	Lower	Upper	
83	100		
131	11.7	0.0	31.5
85	63.5	44.6	84.6

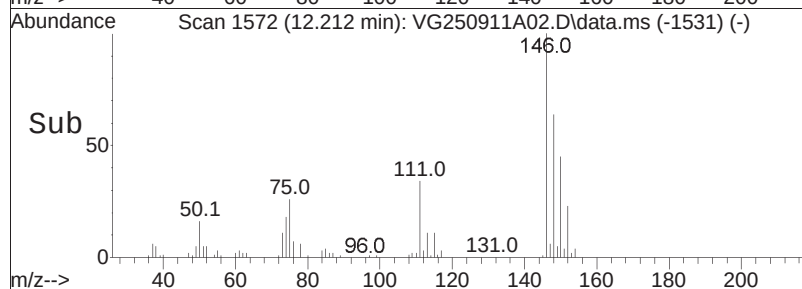
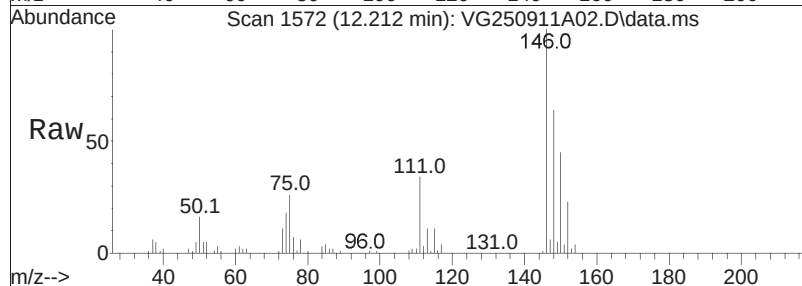
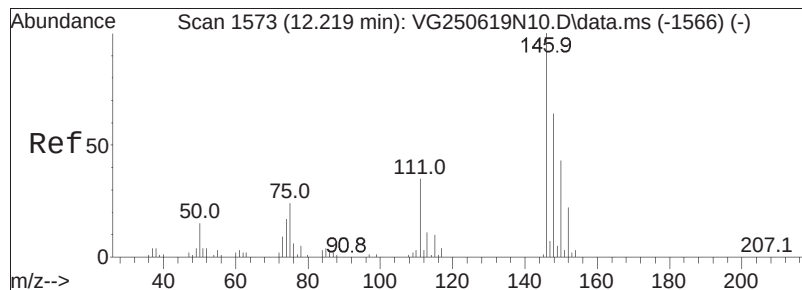




#100
 1,3-Dichlorobenzene
 Concen: 9.82 ug/L
 RT: 12.113 min Scan# 1558
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

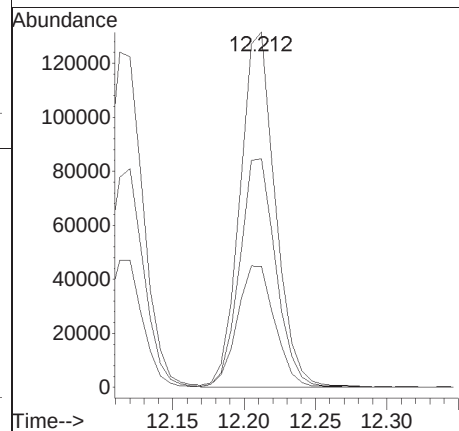
Tgt Ion:	146	Resp:	219910
Ion Ratio	Lower	Upper	
146	100		
111	37.8	23.9	49.5
148	64.2	41.2	85.6

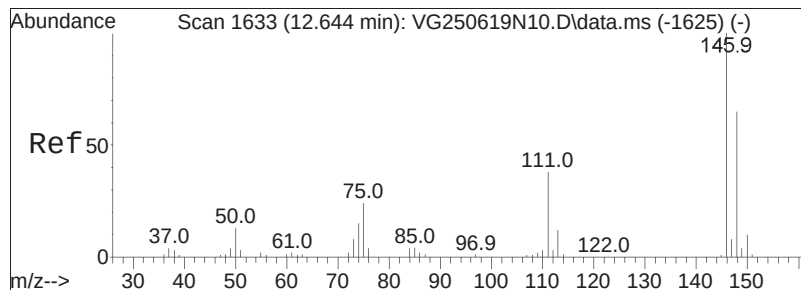




#101
 1,4-Dichlorobenzene
 Concen: 9.82 ug/L
 RT: 12.212 min Scan# 1572
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	225778		
111	36.7		28.9	43.3
148	66.4		51.2	76.8





#104

1,2-Dichlorobenzene

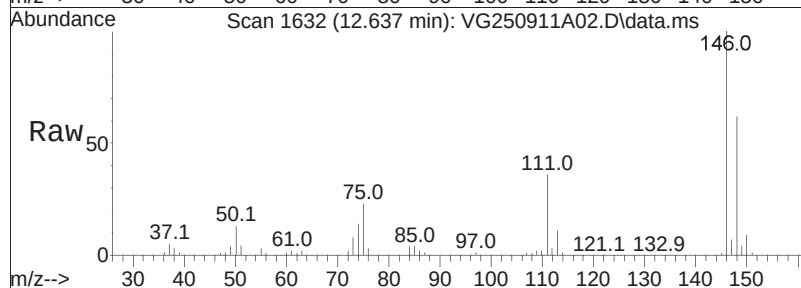
Concen: 9.99 ug/L

RT: 12.637 min Scan# 1632

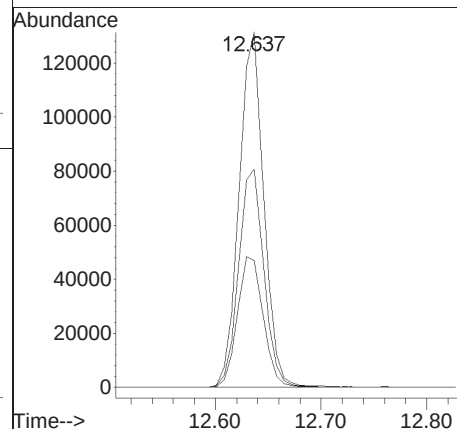
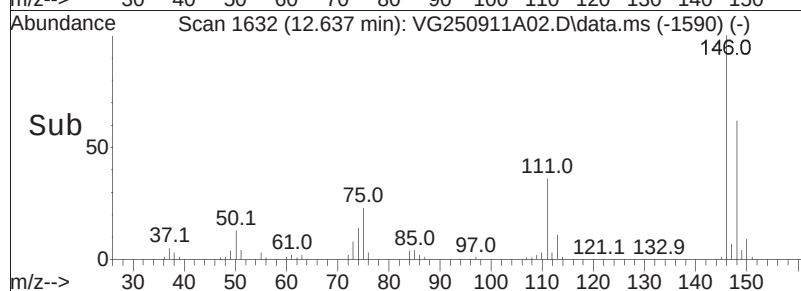
Delta R.T. -0.007 min

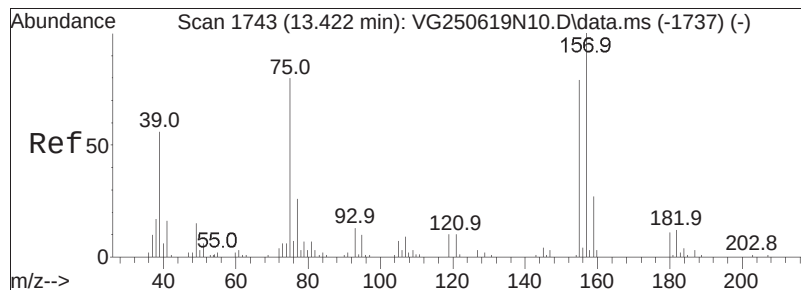
Lab File: VG250911A02.D

Acq: 11 Sep 2025 7:46 am



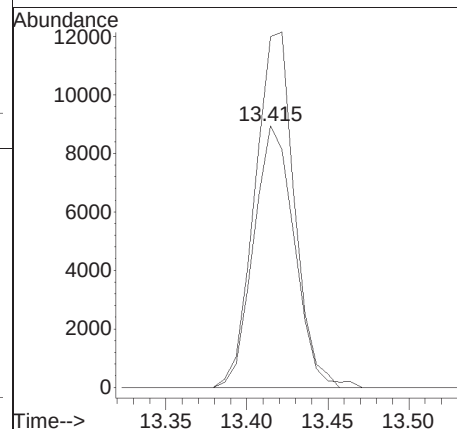
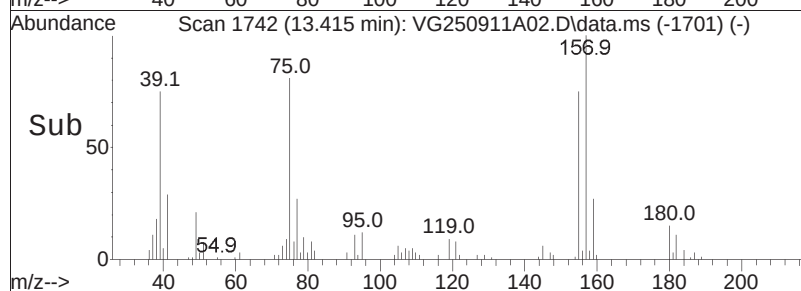
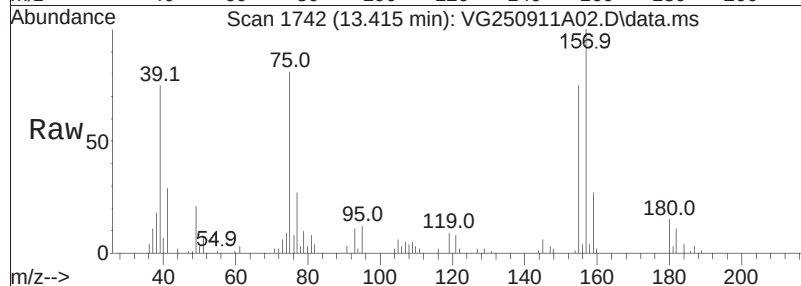
Tgt Ion:	146	Resp:	213631
Ion Ratio	Lower	Upper	
146	100		
111	38.5	24.6	51.0
148	63.0	41.4	86.0

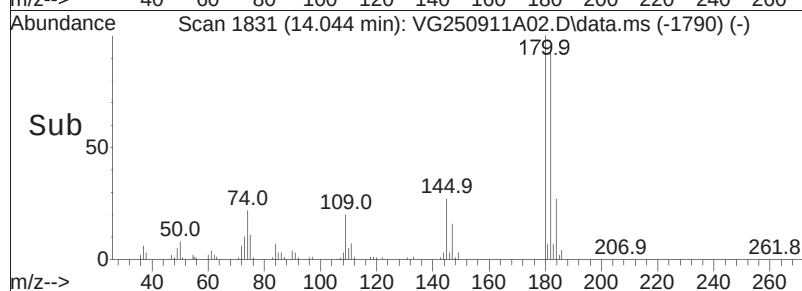
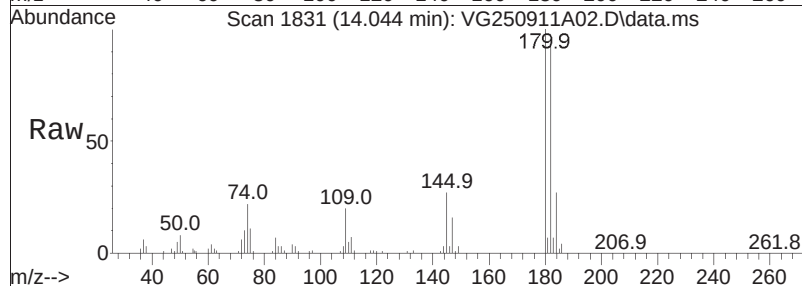
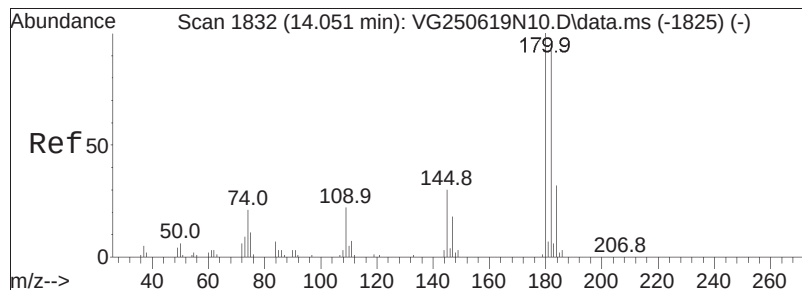




#106
 1,2-Dibromo-3-chloropropane
 Concen: 8.22 ug/L
 RT: 13.415 min Scan# 1742
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

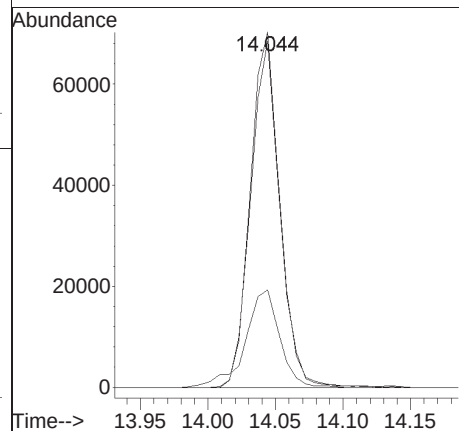
Tgt Ion	Ratio	Lower	Upper
155	100		
157	131.3	99.0	148.6

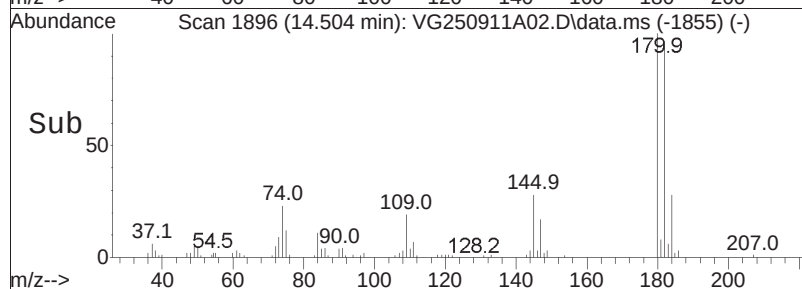
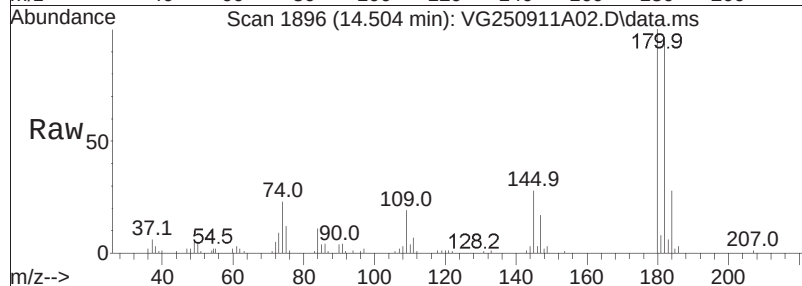
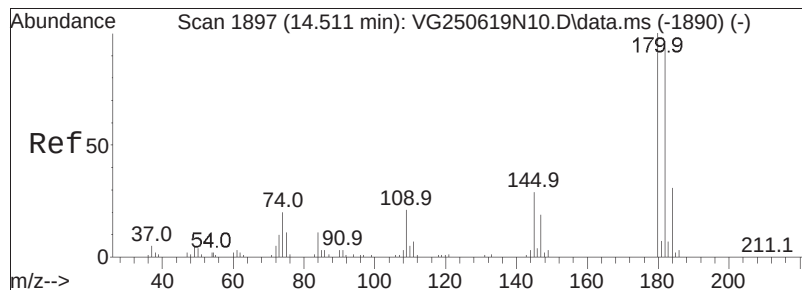




#109
 1,2,4-Trichlorobenzene
 Concen: 8.82 ug/L
 RT: 14.044 min Scan# 1831
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

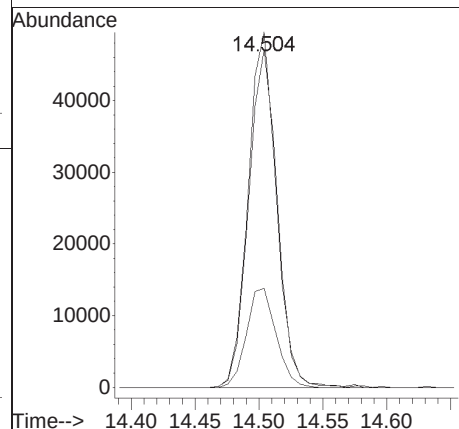
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.0	114.0
145	32.0	25.3	37.9





#111
 1,2,3-Trichlorobenzene
 Concen: 8.19 ug/L
 RT: 14.504 min Scan# 1896
 Delta R.T. -0.007 min
 Lab File: VG250911A02.D
 Acq: 11 Sep 2025 7:46 am

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
145	29.2	24.1	36.1



Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A02.D
 Acq On : 21 Sep 2025 9:23 am
 Operator : GONZO:PID
 Sample : WG2117843-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 09:47:21 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250921A\VG250921A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.943	96	516993	10.000	ug/L	-0.01
Standard Area 1 = 571809			Recovery	=	90.41%	
59) Chlorobenzene-d5	9.478	117	403948	10.000	ug/L	0.00
Standard Area 1 = 440676			Recovery	=	91.67%	
79) 1,4-Dichlorobenzene-d4	12.191	152	238274	10.000	ug/L	0.00
Standard Area 1 = 264512			Recovery	=	90.08%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	142037	10.584	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.84%	
43) 1,2-Dichloroethane-d4	5.667	65	168773	12.284	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	122.84%	
60) Toluene-d8	7.629	98	509291	10.150	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.50%	
83) 4-Bromofluorobenzene	10.982	95	186807	9.505	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.05%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.614	85	107424	9.482	ug/L	98
3) Chloromethane	1.820	50	114625	10.832	ug/L	97
4) Vinyl chloride	1.870	62	109893	9.439	ug/L	99
5) Bromomethane	2.176	94	32140	4.026	ug/L	96
6) Chloroethane	2.276	64	63578	8.047	ug/L	96
7) Trichlorofluoromethane	2.418	101	149226	9.588	ug/L	96
10) 1,1-Dichloroethene	2.909	96	85002	9.079	ug/L	89
11) Carbon disulfide	2.944	76	301786	10.642	ug/L	100
12) Freon-113	2.944	101	82349	8.803	ug/L	# 72
15) Methylene chloride	3.464	84	108891	9.561	ug/L	89
17) Acetone	3.514	43	25331	11.446	ug/L	96
18) trans-1,2-Dichloroethene	3.606	96	96051	9.467	ug/L	90
19) Methyl acetate	3.620	43	59099	11.330	ug/L	# 91
20) Methyl tert-butyl ether	3.699	73	251278	8.504	ug/L	# 87
23) 1,1-Dichloroethane	4.189	63	186813	10.412	ug/L	98
28) cis-1,2-Dichloroethene	4.702	96	107713	9.120	ug/L	86
30) Bromochloromethane	4.901	128	53844	9.739	ug/L	# 85
31) Cyclohexane	4.887	56	146627	9.375	ug/L	91
32) Chloroform	4.965	83	183271	9.927	ug/L	96
34) Carbon tetrachloride	5.093	117	129211	8.763	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
 Data File : VG250921A02.D
 Acq On : 21 Sep 2025 9:23 am
 Operator : GONZO:PID
 Sample : WG2117843-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 09:47:21 2025
 Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250921A\VG250921A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	5.157	97	153110	9.477	ug/L	98
39)	2-Butanone	5.271	43	38450	11.478	ug/L #	80
41)	Benzene	5.526	78	399359	9.905	ug/L	97
44)	1,2-Dichloroethane	5.738	62	139310	10.540	ug/L	99
47)	Methylcyclohexane	6.105	83	120429	8.333	ug/L	91
48)	Trichloroethene	6.119	95	107876	9.766	ug/L	97
51)	1,2-Dichloropropane	6.669	63	105944	10.224	ug/L	97
54)	Bromodichloromethane	6.747	83	138496	9.458	ug/L	99
58)	cis-1,3-Dichloropropene	7.431	75	145611	8.492	ug/L	94
61)	Toluene	7.692	92	247580	9.572	ug/L	100
62)	4-Methyl-2-pentanone	8.130	58	27581	8.739	ug/L	75
63)	Tetrachloroethene	8.137	166	108492	9.069	ug/L	97
65)	trans-1,3-Dichloropropene	8.179	75	122031	8.178	ug/L	91
68)	1,1,2-Trichloroethane	8.370	83	76764	10.006	ug/L	96
69)	Chlorodibromomethane	8.582	129	106925	8.721	ug/L	99
71)	1,2-Dibromoethane	8.850	107	86832	8.907	ug/L	97
72)	2-Hexanone	9.146	43	49225	9.397	ug/L #	88
73)	Chlorobenzene	9.499	112	297507	9.710	ug/L	100
74)	Ethylbenzene	9.534	91	459480	9.278	ug/L	100
76)	p/m Xylene	9.717	106	368578	18.690	ug/L	98
77)	o Xylene	10.261	106	360708	18.242	ug/L	99
78)	Styrene	10.331	104	631120	18.601	ug/L	99
80)	Bromoform	10.360	173	69424	7.751	ug/L	99
82)	Isopropylbenzene	10.649	105	420169	8.661	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.229	83	116525	9.285	ug/L	100
100)	1,3-Dichlorobenzene	12.113	146	252232	9.359	ug/L	99
101)	1,4-Dichlorobenzene	12.212	146	256683	9.275	ug/L	99
104)	1,2-Dichlorobenzene	12.637	146	234539	9.112	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.415	155	16700	7.300	ug/L	97
109)	1,2,4-Trichlorobenzene	14.044	180	103428	7.098	ug/L	98
111)	1,2,3-Trichlorobenzene	14.504	180	74387	6.638	ug/L	99

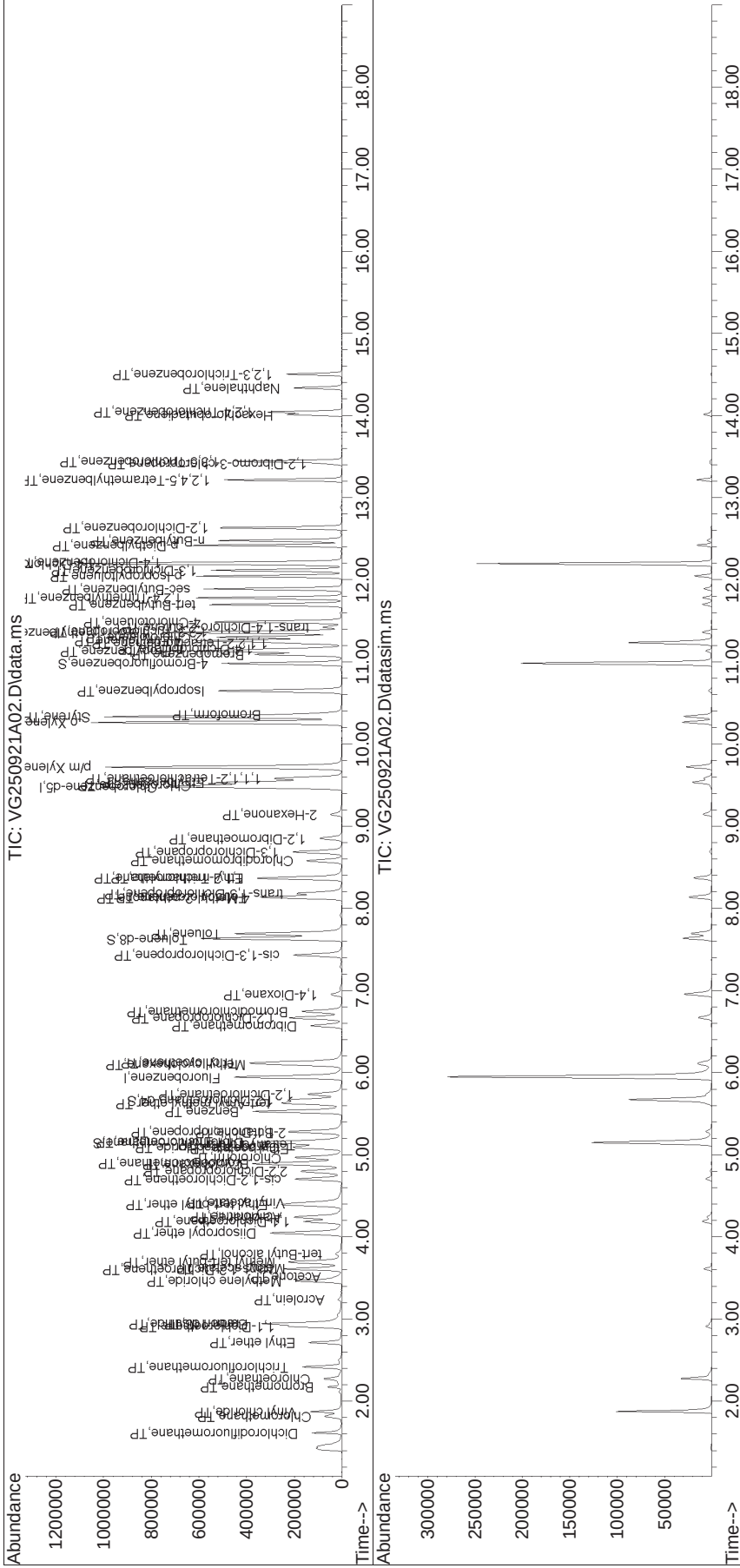
(#) = qualifier out of range (m) = manual integration (+) = signals summed

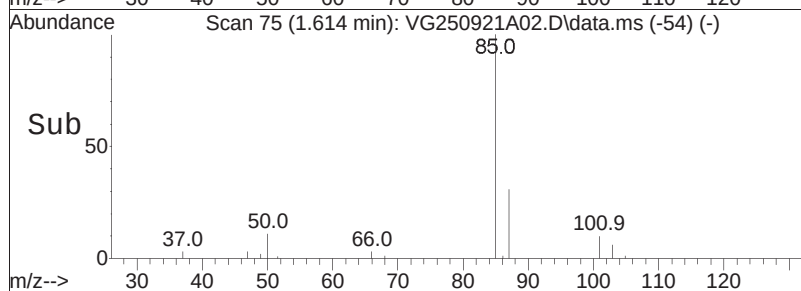
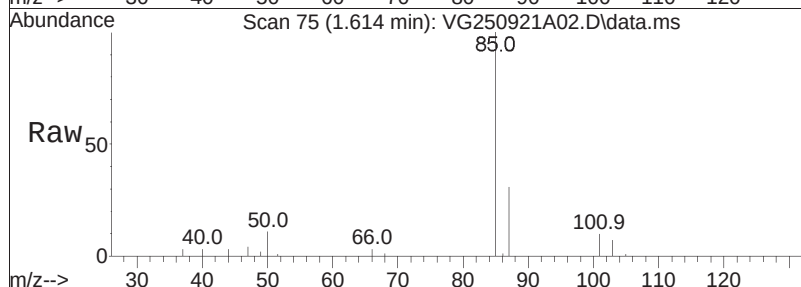
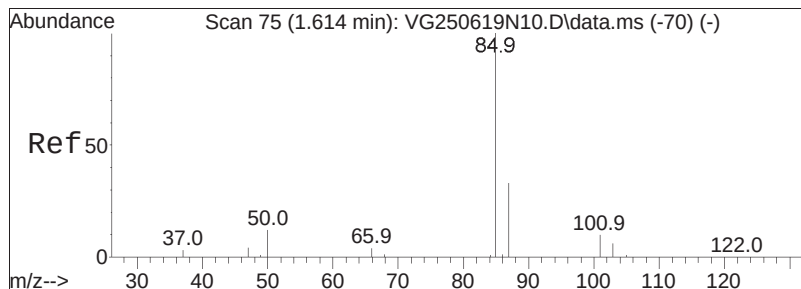
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250921A\
Data File : VG250921A02.D
Acq On : 21 Sep 2025 9:23 am
Operator : GONZO:PID
Sample : WG2117843-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2117843,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 21 09:47:21 2025
Quant Method : K:\Gonzo\2025\250921A\G_250619N_8260.m
Quant Title : VOLATILES BY GC/MS
Qlast Update : Fri Jun 20 07:10:41 2025
Response via : Initial Calibration

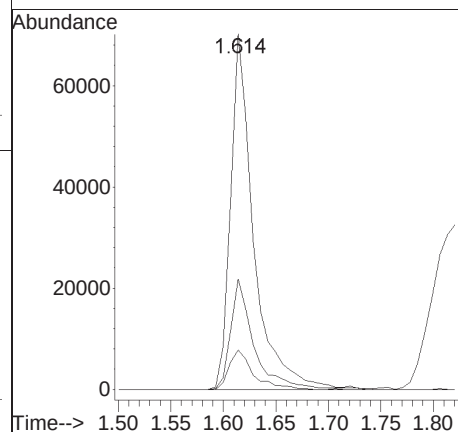
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

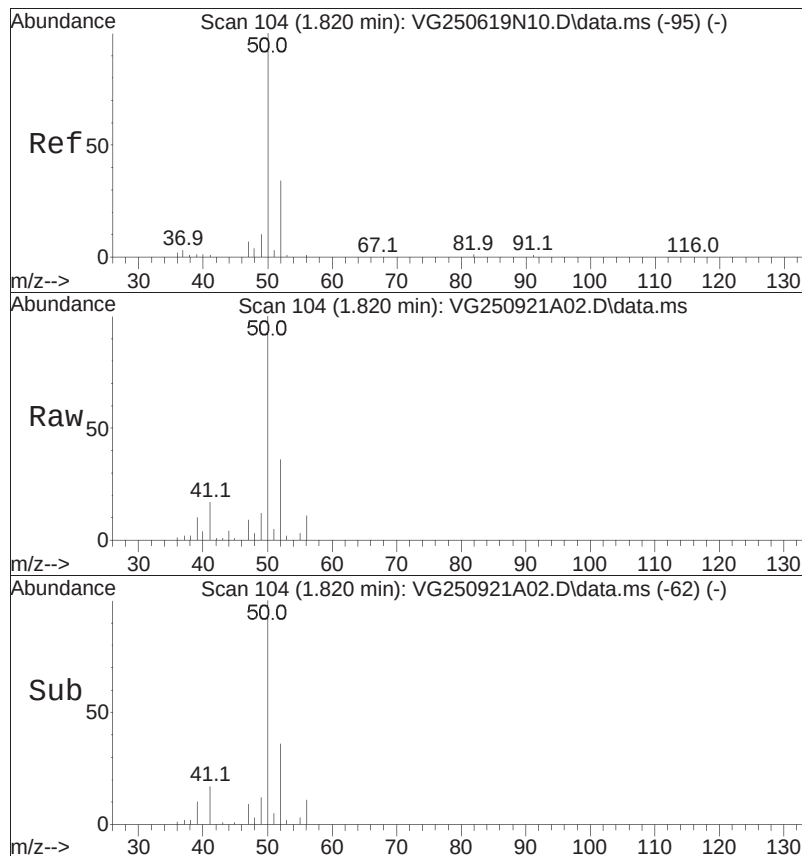




#2
 Dichlorodifluoromethane
 Concen: 9.48 ug/L
 RT: 1.614 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

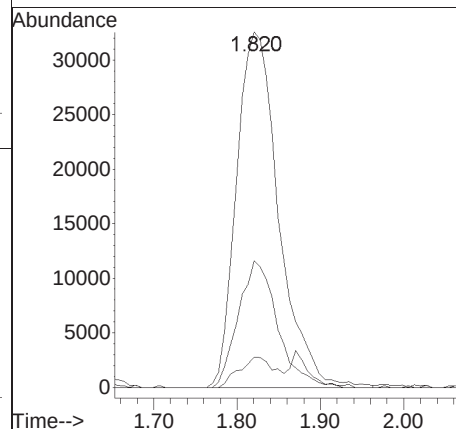
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	107424		
87	30.8		20.7	42.9
50	11.6		8.1	16.7

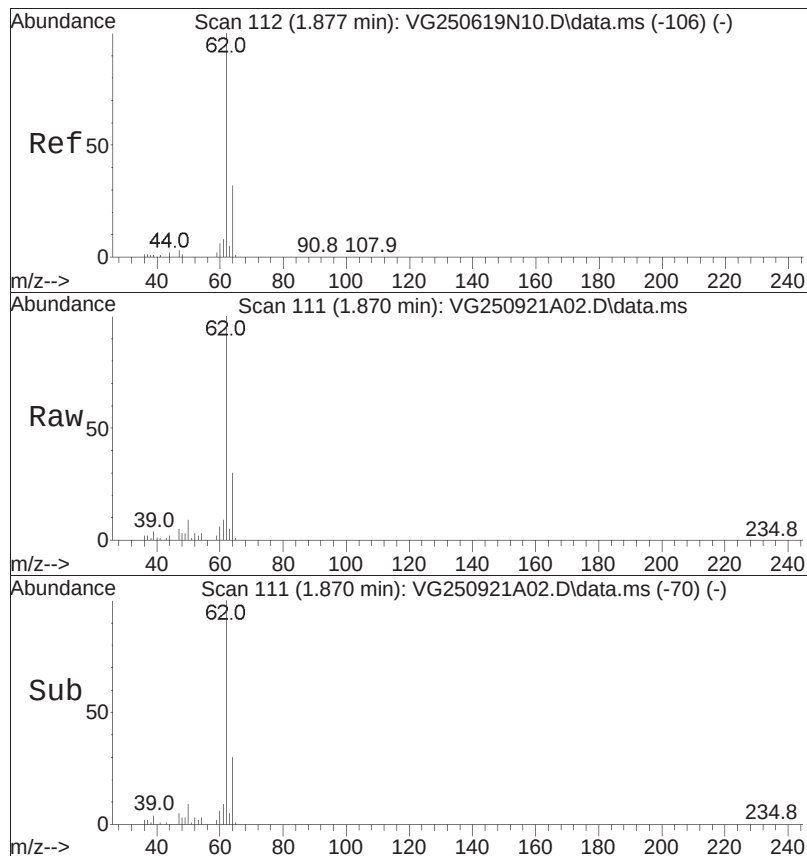




#3
 Chloromethane
 Concen: 10.83 ug/L
 RT: 1.820 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

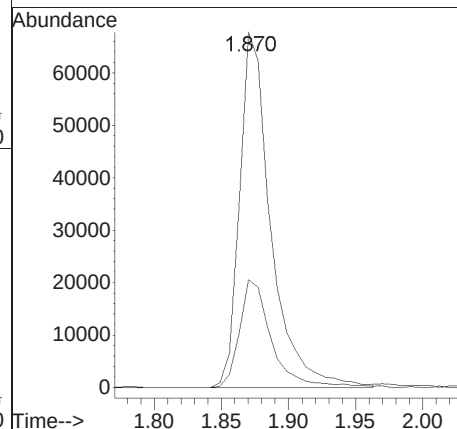
Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.2	11.6	51.6
47	7.2	0.0	26.4

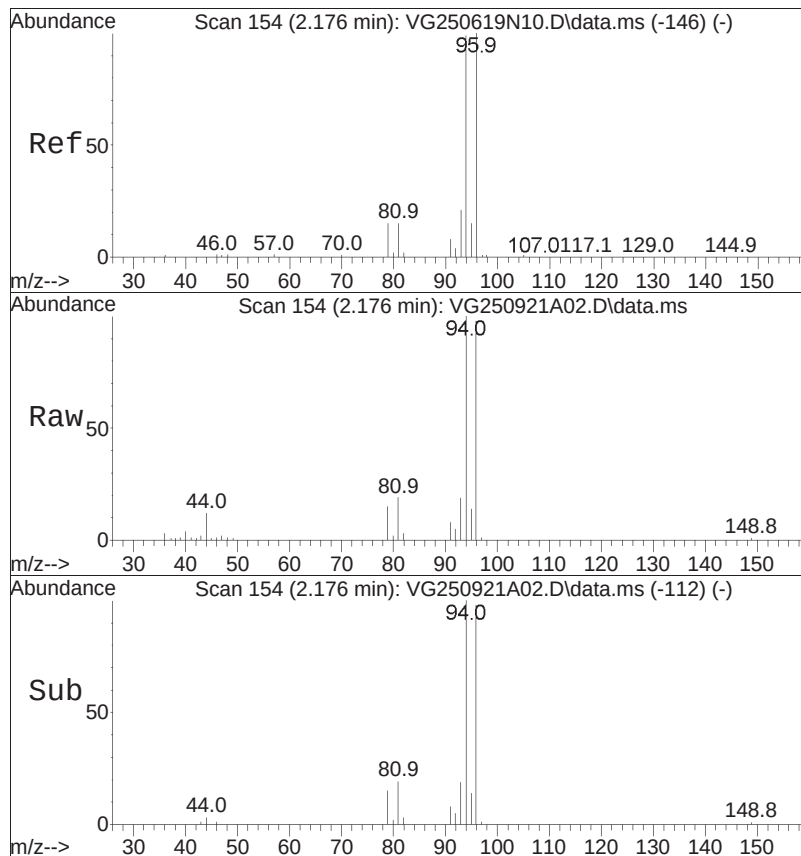




#4
 Vinyl chloride
 Concen: 9.44 ug/L
 RT: 1.870 min Scan# 111
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

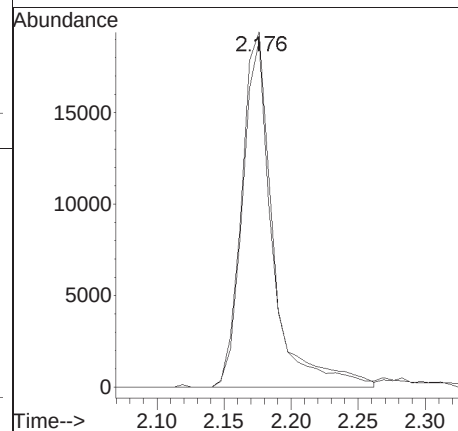
Tgt	Ion: 62	Resp:	109893
Ion	Ratio	Lower	Upper
62	100		
64	31.0	11.5	51.5

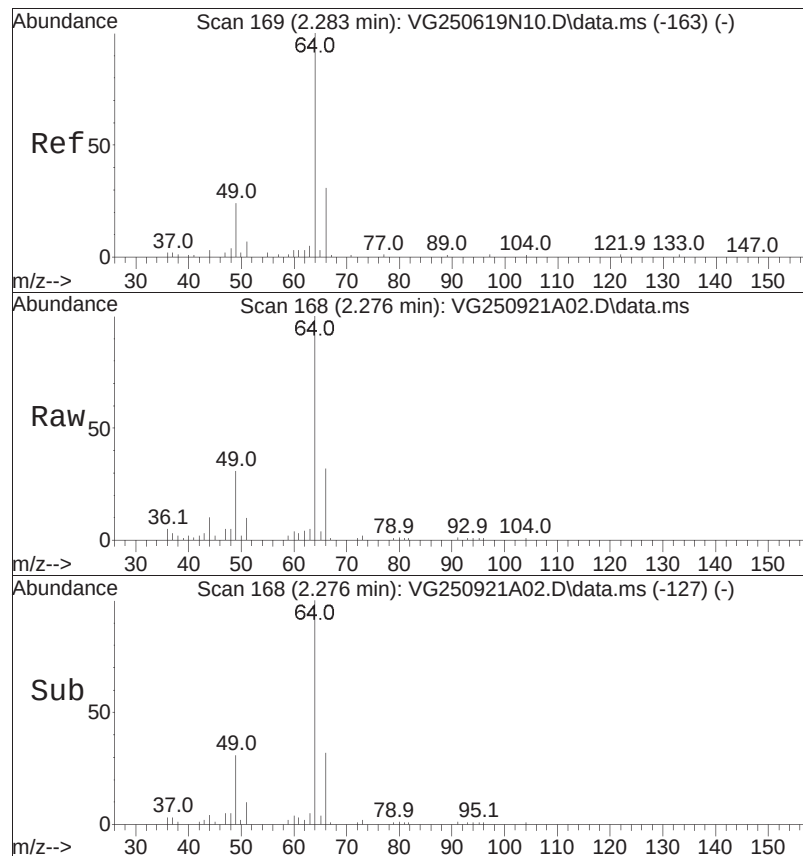




#5
 Bromomethane
 Concen: 4.03 ug/L
 RT: 2.176 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

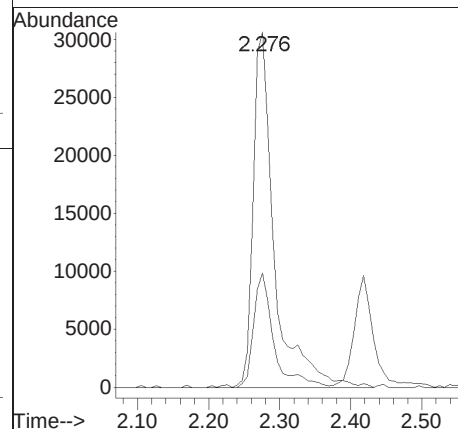
Tgt	Ion	Resp	Lower	Upper
94	100			
96	91.7	75.8	115.8	

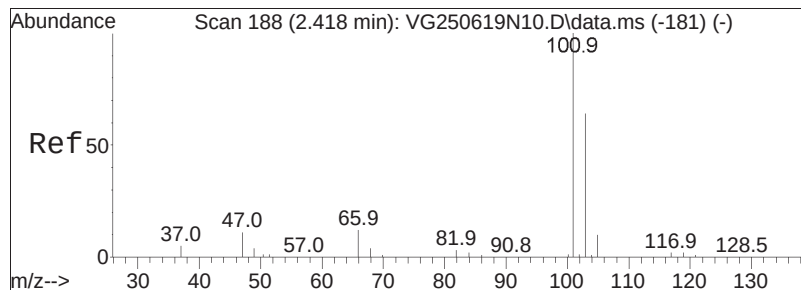




#6
 Chloroethane
 Concen: 8.05 ug/L
 RT: 2.276 min Scan# 168
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.5	12.9	52.9





#7

Trichlorofluoromethane

Concen: 9.59 ug/L

RT: 2.418 min Scan# 188

Delta R.T. 0.000 min

Lab File: VG250921A02.D

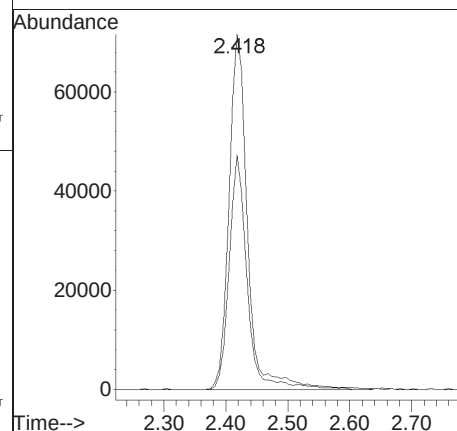
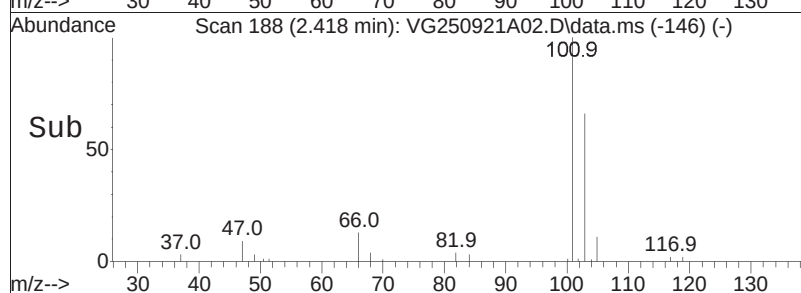
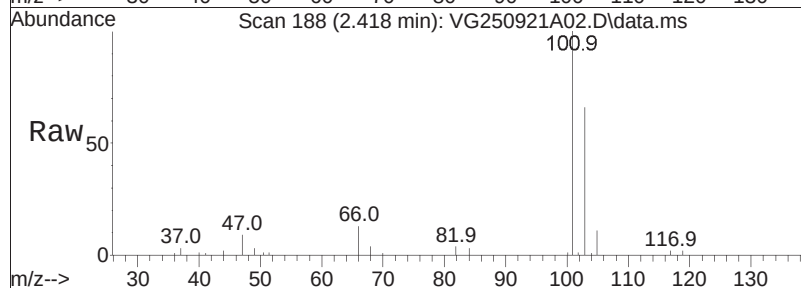
Acq: 21 Sep 2025 9:23 am

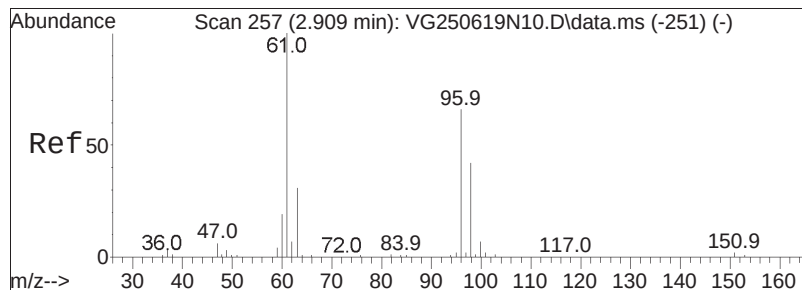
Tgt Ion:101 Resp: 149226

Ion Ratio Lower Upper

101 100

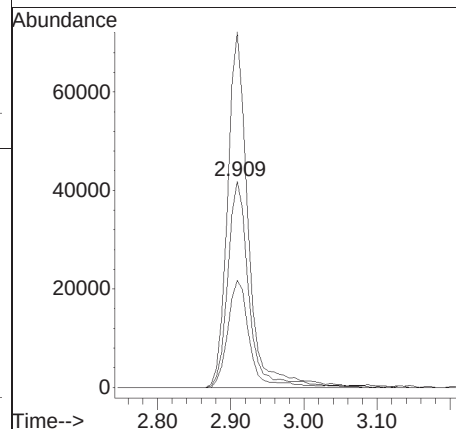
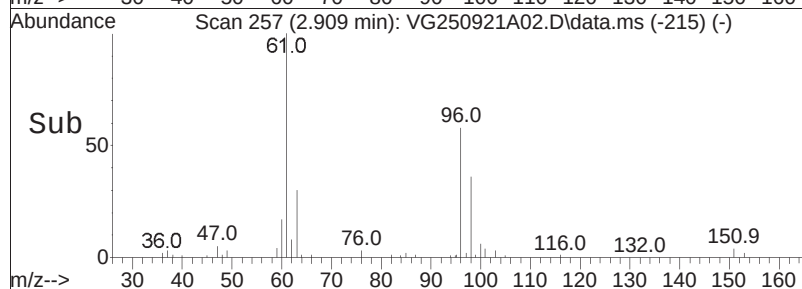
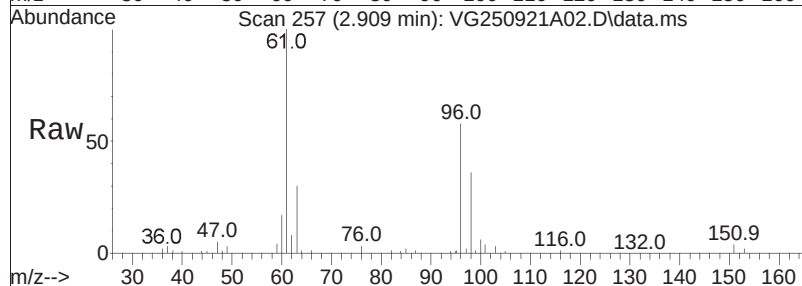
103 62.4 52.2 78.2

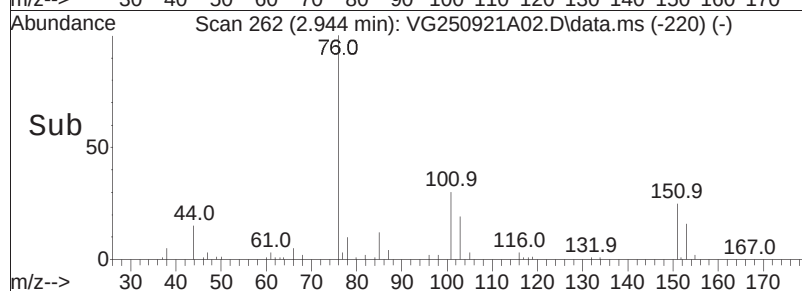
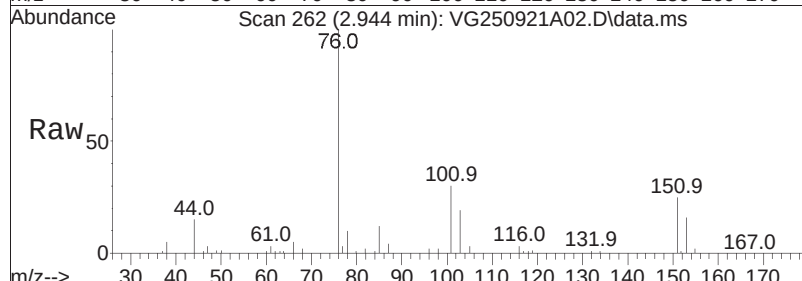
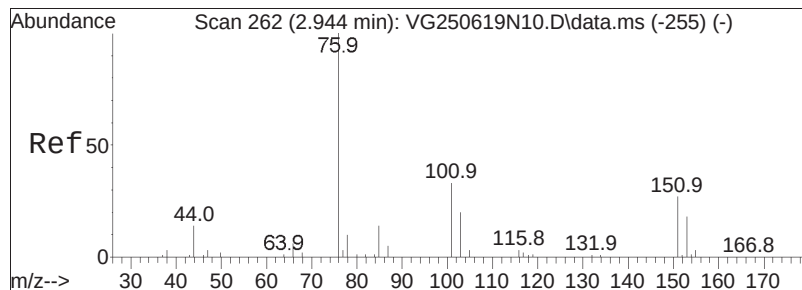




#10
 1,1-Dichloroethene
 Concen: 9.08 ug/L
 RT: 2.909 min Scan# 257
 Delta R.T. -0.000 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	121.1	181.7
63	52.9	38.5	57.7





#11

Carbon disulfide

Concen: 10.64 ug/L

RT: 2.944 min Scan# 262

Delta R.T. 0.000 min

Lab File: VG250921A02.D

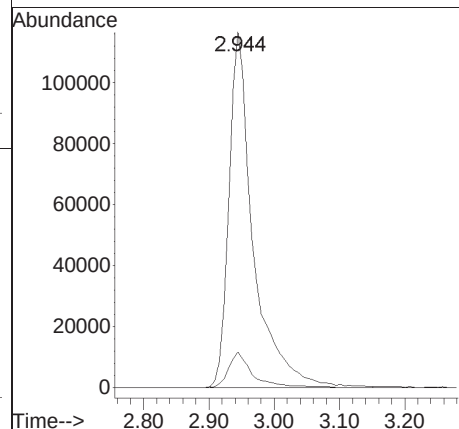
Acq: 21 Sep 2025 9:23 am

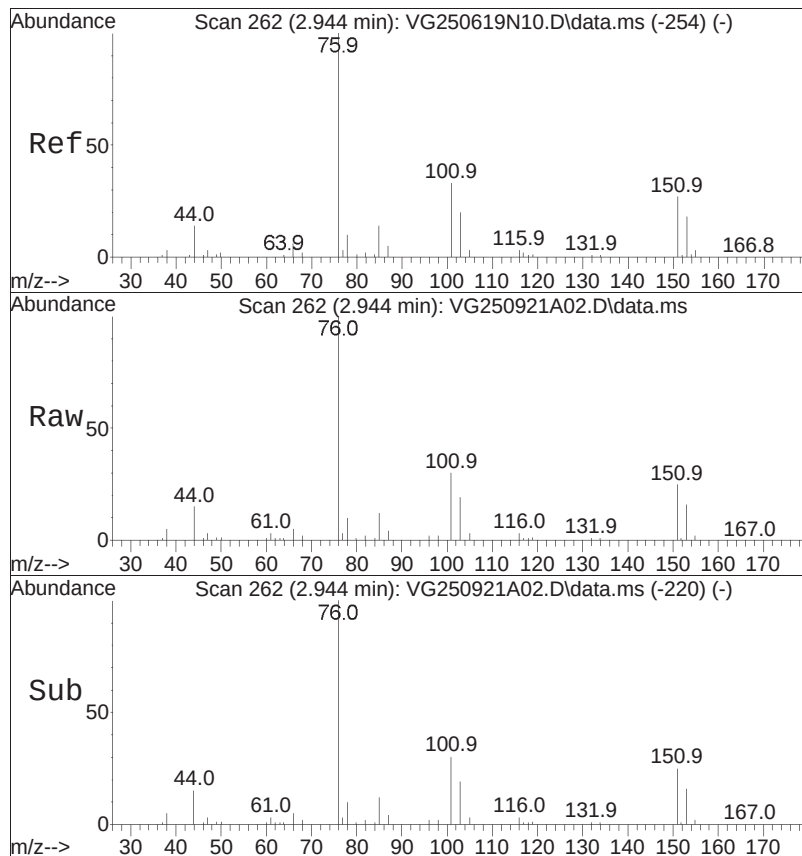
Tgt Ion: 76 Resp: 301786

Ion Ratio Lower Upper

76 100

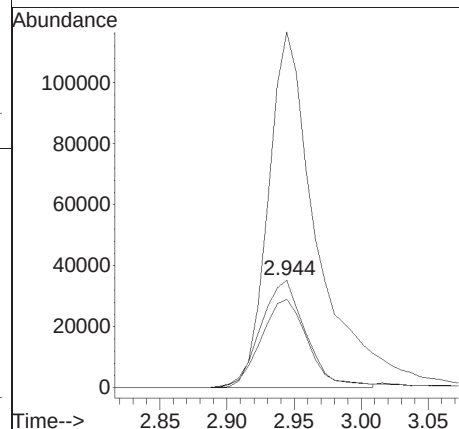
78 9.7 6.3 13.1

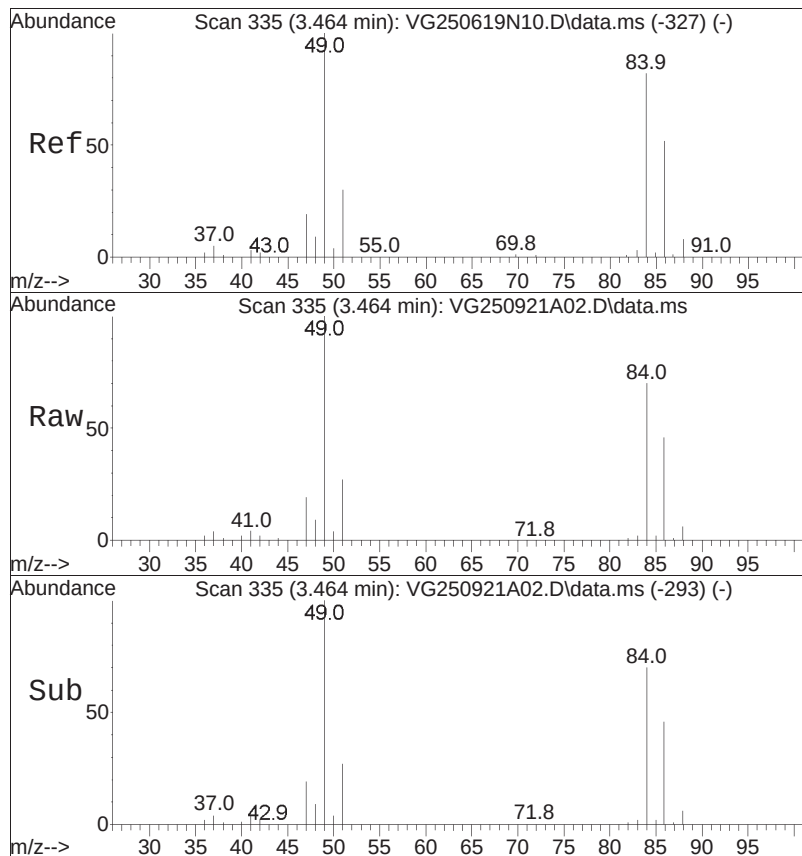




#12
 Freon-113
 Concen: 8.80 ug/L
 RT: 2.944 min Scan# 262
 Delta R.T. 0.000 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

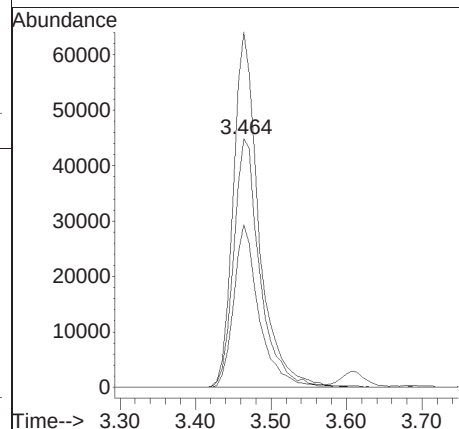
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
151	88.8	68.3	102.5	
76	366.5	238.0	357.0#	

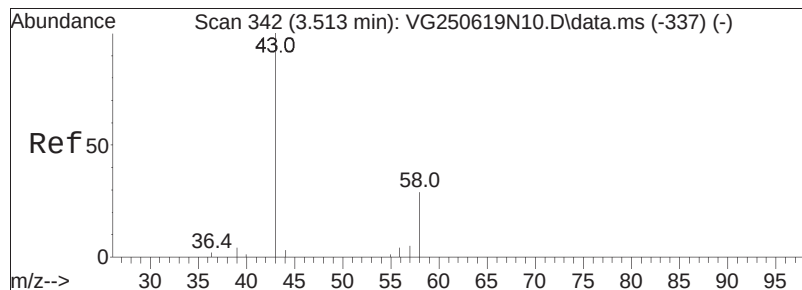




#15
 Methylene chloride
 Concen: 9.56 ug/L
 RT: 3.464 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

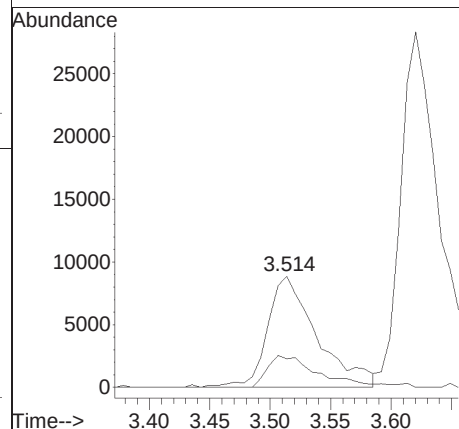
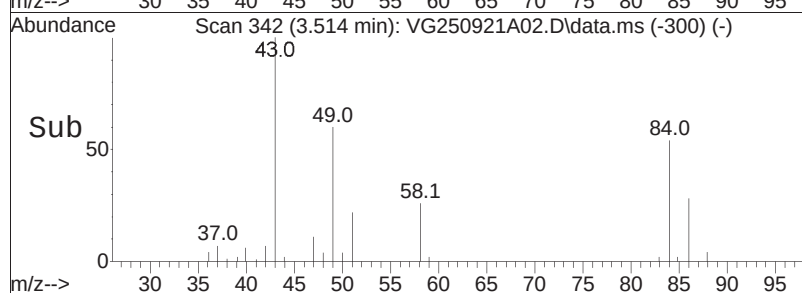
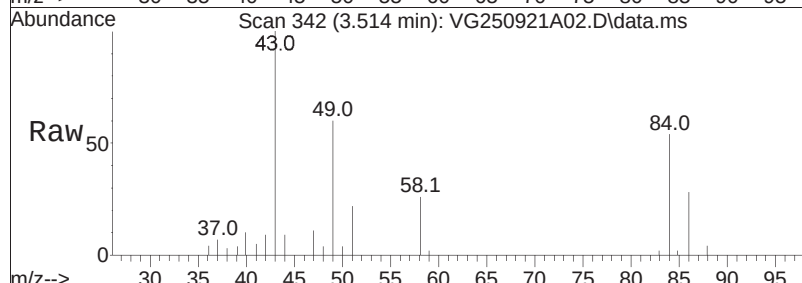
Tgt	Ion	Resp	108891
Ion	Ratio	Lower	Upper
84	100		
86	63.1	41.7	86.7
49	138.2	78.6	163.3

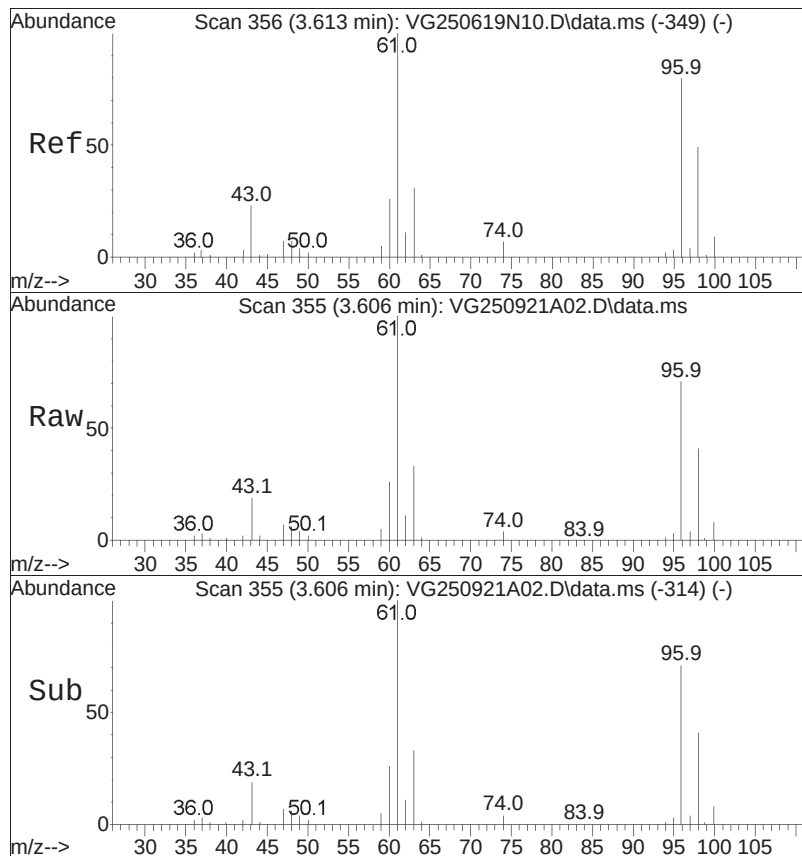




#17
 Acetone
 Concen: 11.45 ug/L
 RT: 3.514 min Scan# 342
 Delta R.T. 0.001 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

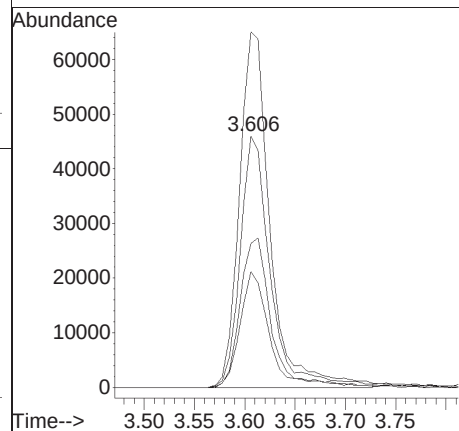
Tgt Ion:	43	58	Ratio	100	30.4	Resp:	25331	Lower	Upper
Ion	43	58	Ratio	100	30.4	Resp:	25331	Lower	Upper

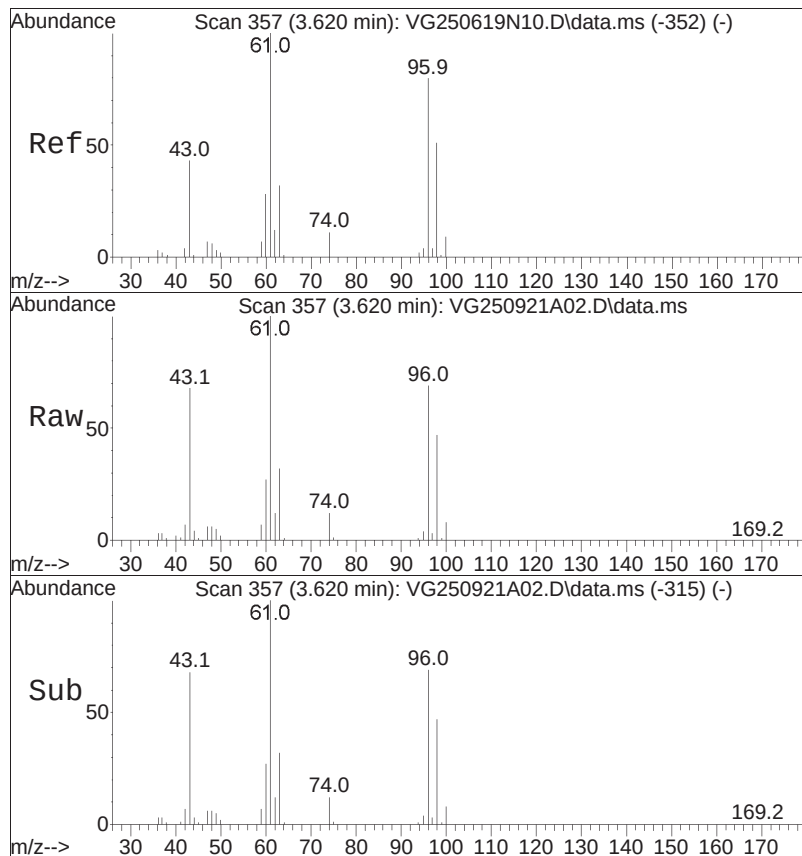




#18
 trans-1,2-Dichloroethene
 Concen: 9.47 ug/L
 RT: 3.606 min Scan# 355
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

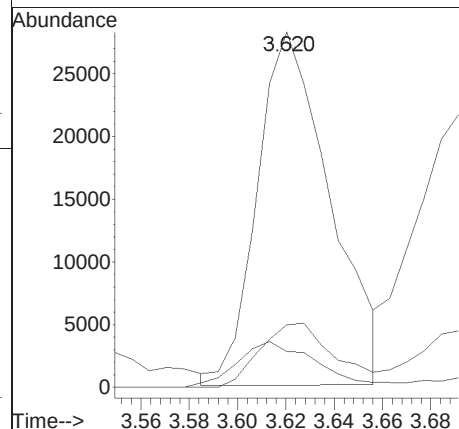
Tgt Ion:	96	Resp:	96051
Ion Ratio	Lower	Upper	
96	100		
61	146.3	85.7	177.9
98	61.1	42.8	88.8
63	46.0	26.5	55.1

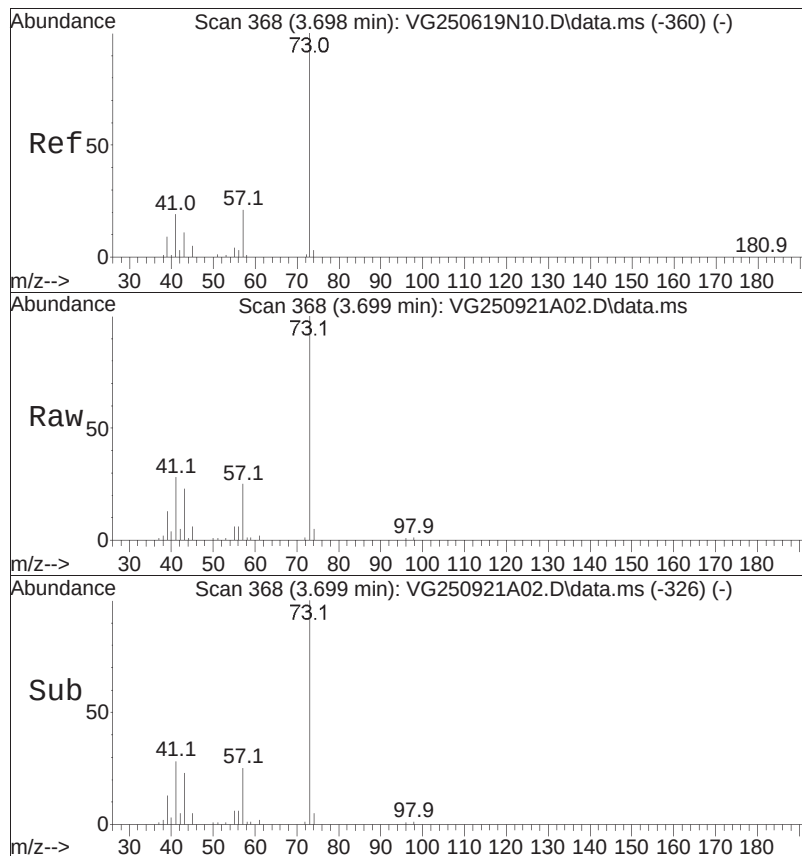




#19
Methyl acetate
Concen: 11.33 ug/L
RT: 3.620 min Scan# 357
Delta R.T. 0.000 min
Lab File: VG250921A02.D
Acq: 21 Sep 2025 9:23 am

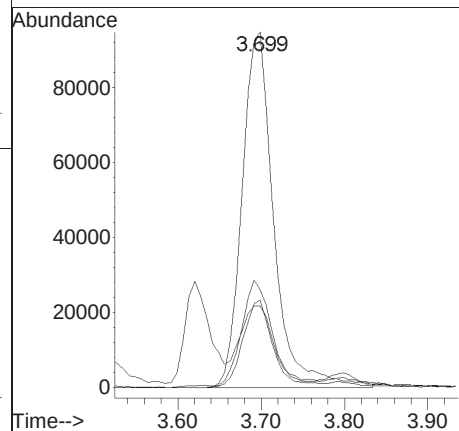
Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.5	19.3	28.9#
59	14.4	13.3	19.9

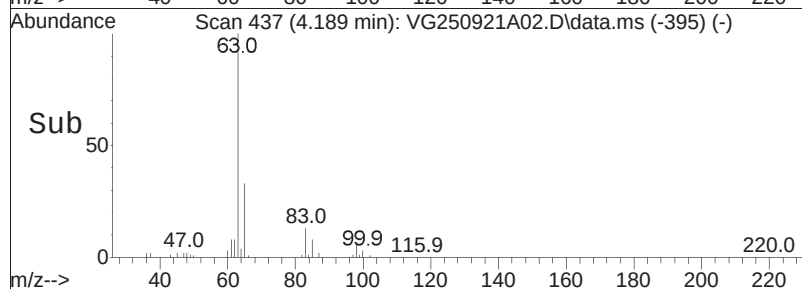
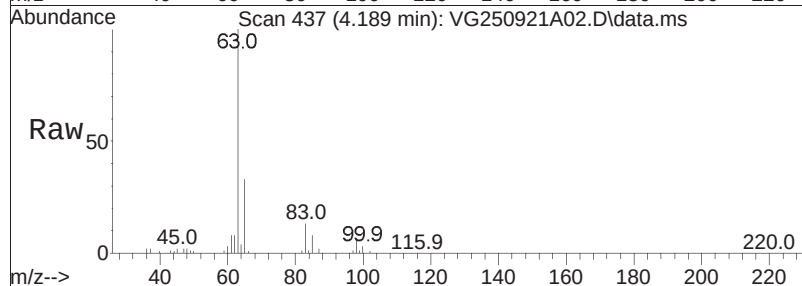
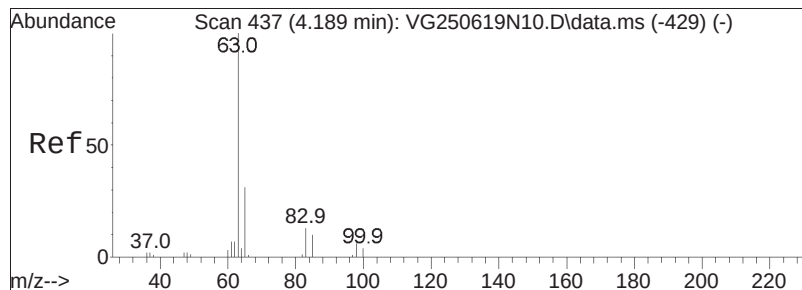




#20
Methyl tert-butyl ether
Concen: 8.50 ug/L
RT: 3.699 min Scan# 368
Delta R.T. 0.001 min
Lab File: VG250921A02.D
Acq: 21 Sep 2025 9:23 am

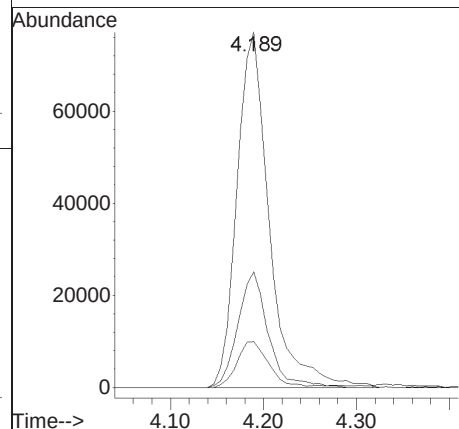
Tgt	Ion: 73	Resp:	251278
Ion	Ratio	Lower	Upper
73	100		
57	23.3	13.1	27.3
43	25.8	14.1	29.3
41	28.9	11.7	24.3#

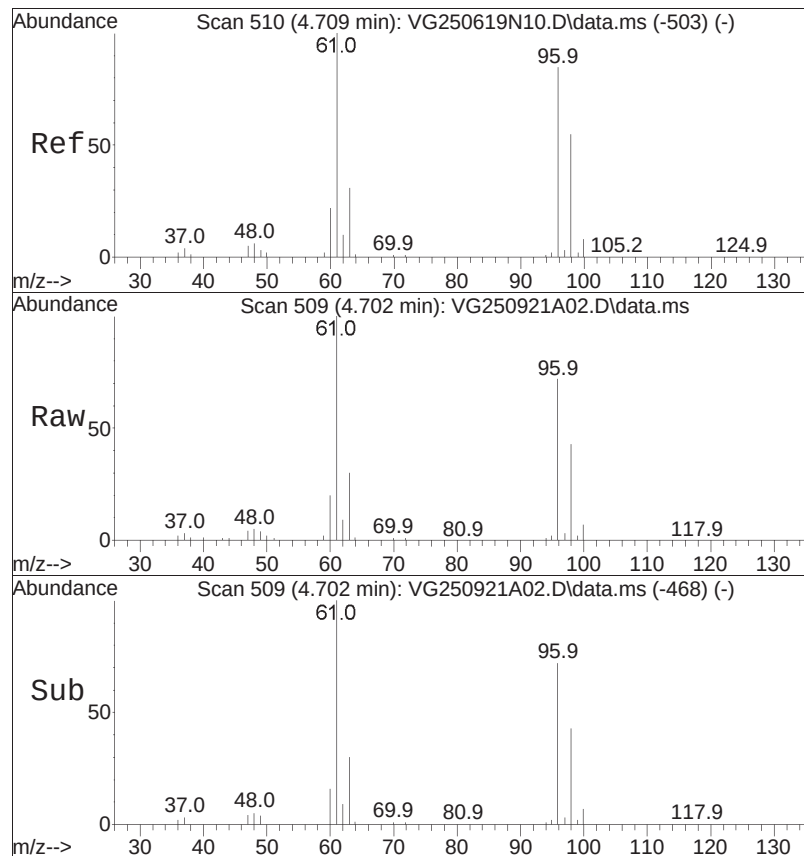




#23
 1,1-Dichloroethane
 Concen: 10.41 ug/L
 RT: 4.189 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

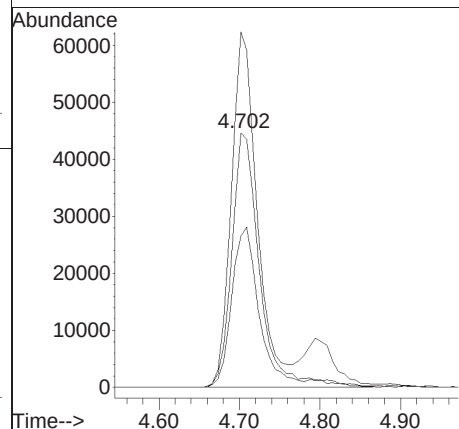
Tgt Ion:	63	Resp:	186813
Ion Ratio	Lower	Upper	
63	100		
65	30.6	9.7	49.7
83	12.6	0.0	33.1

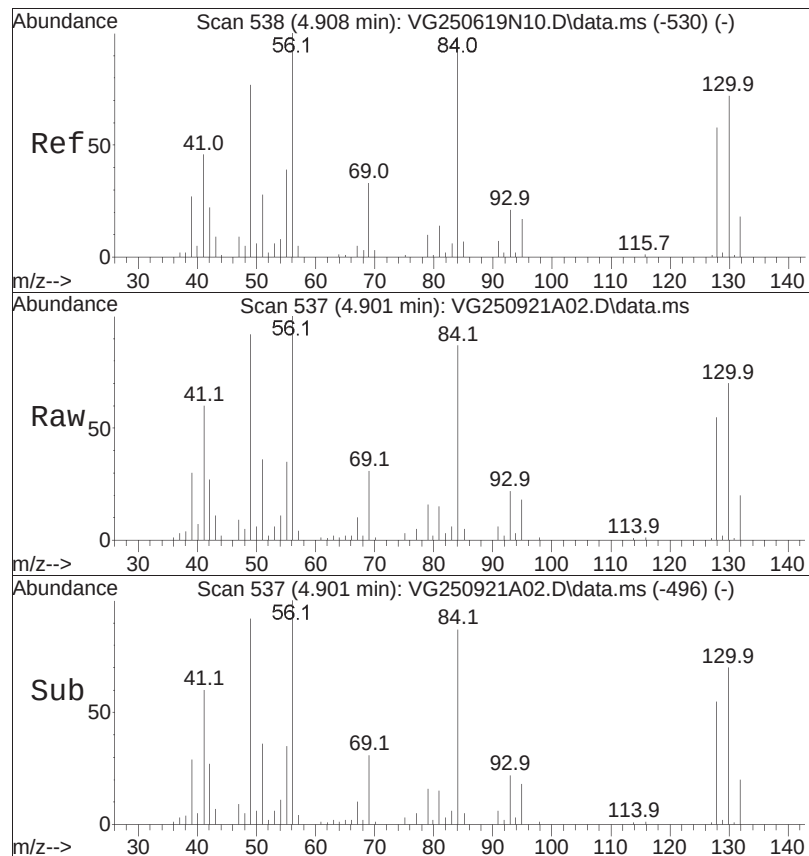




#28
 cis-1,2-Dichloroethene
 Concen: 9.12 ug/L
 RT: 4.702 min Scan# 509
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

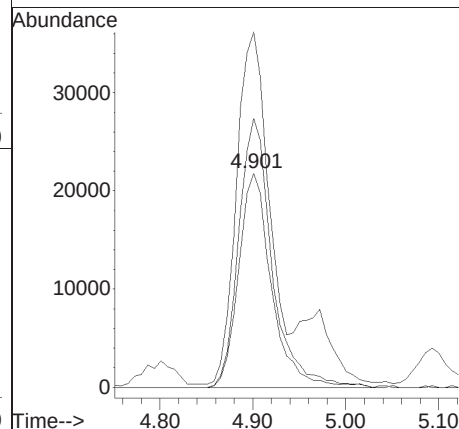
Tgt	Ion: 96	Resp:	107713
Ion	Ratio	Lower	Upper
96	100		
61	129.7	87.4	131.2
98	61.9	47.5	71.3

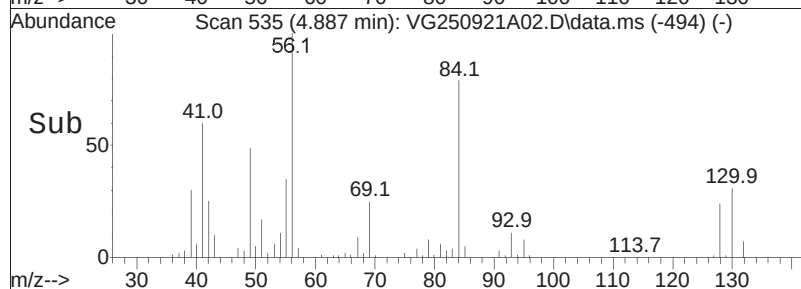
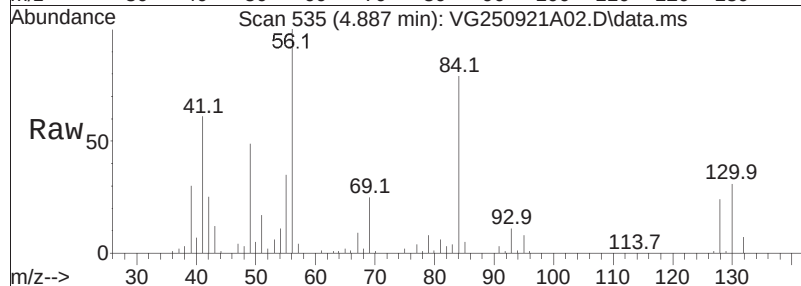
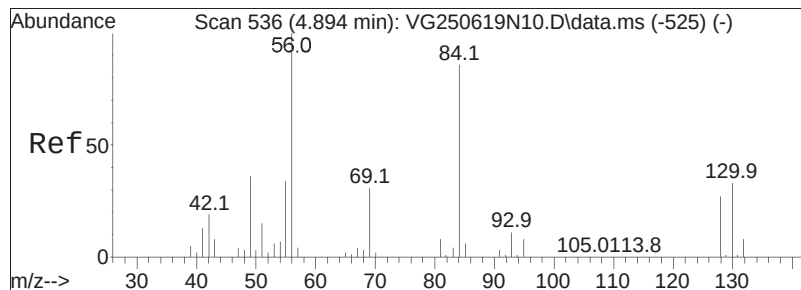




#30
 Bromochloromethane
 Concen: 9.74 ug/L
 RT: 4.901 min Scan# 537
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

Tgt	Ion:128	Resp:	53844
Ion	Ratio	Lower	Upper
128	100		
49	164.7	105.7	158.5#
130	127.1	100.9	151.3





#31

Cyclohexane

Concen: 9.37 ug/L

RT: 4.887 min Scan# 535

Delta R.T. -0.007 min

Lab File: VG250921A02.D

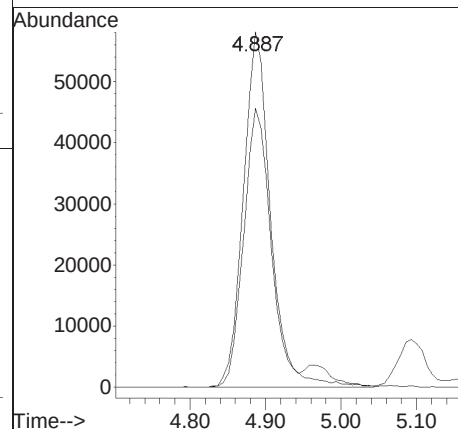
Acq: 21 Sep 2025 9:23 am

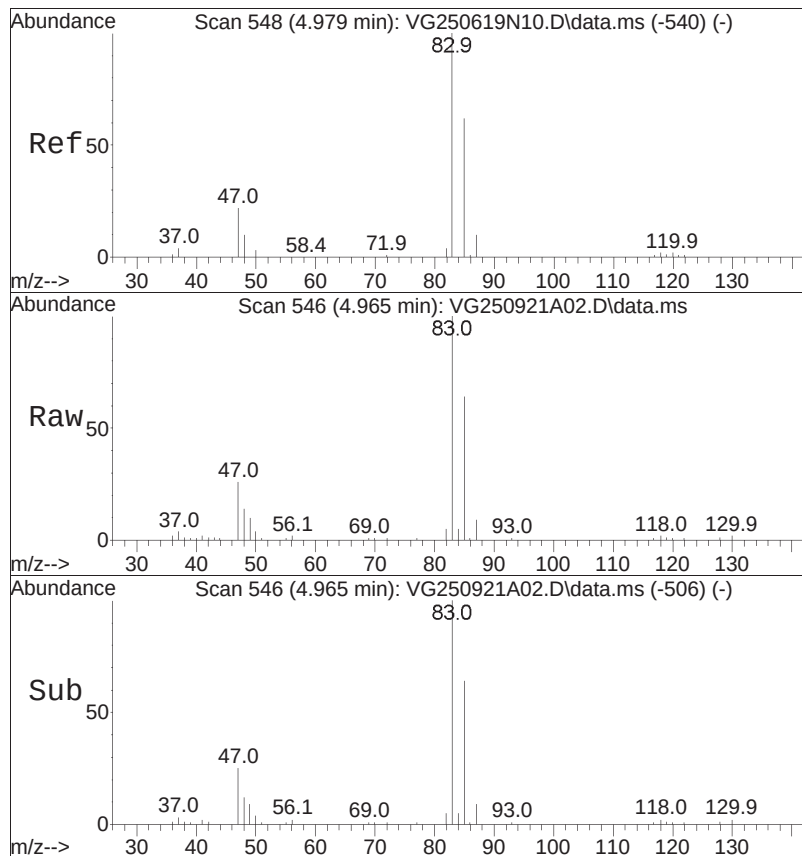
Tgt Ion: 56 Resp: 146627

Ion Ratio Lower Upper

56 100

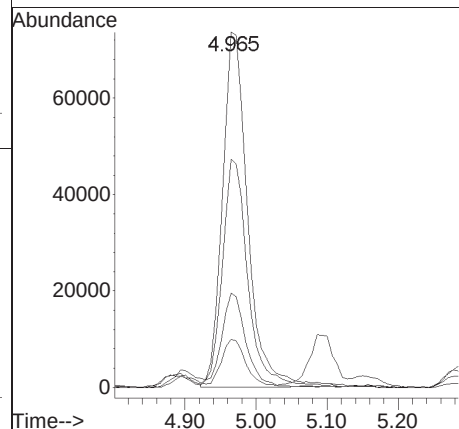
84 78.1 56.0 116.2

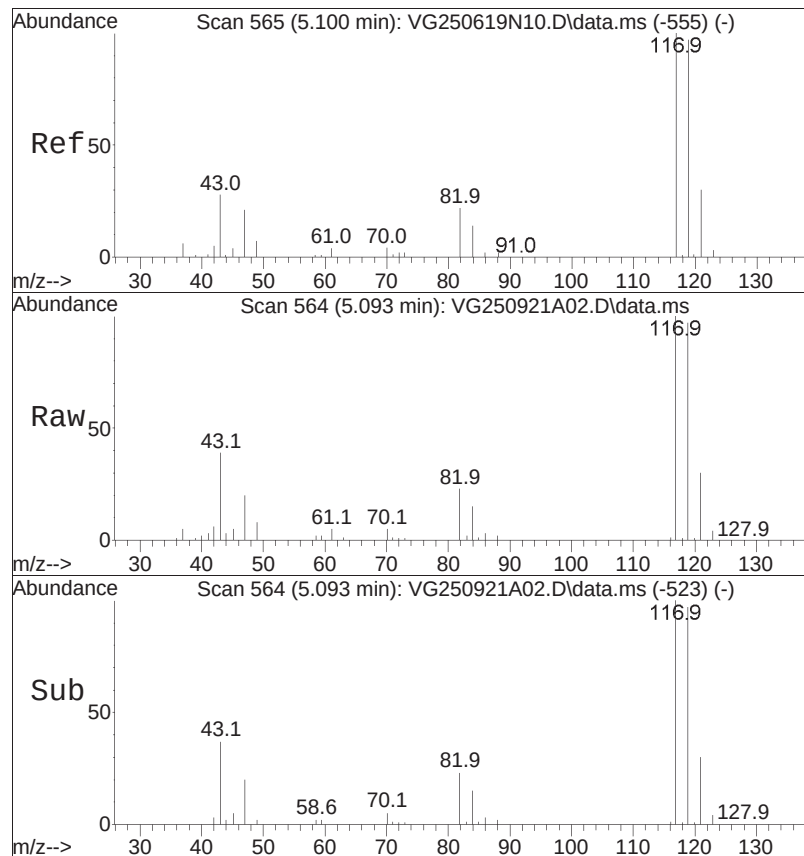




#32
 Chloroform
 Concen: 9.93 ug/L
 RT: 4.965 min Scan# 546
 Delta R.T. -0.014 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

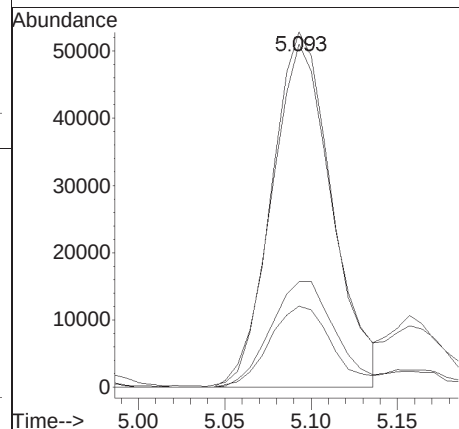
Tgt Ion:	83	Resp:	183271
Ion Ratio	Lower	Upper	
83	100		
85	64.0	40.8	84.6
47	24.4	13.5	28.1
48	13.4	7.2	15.0

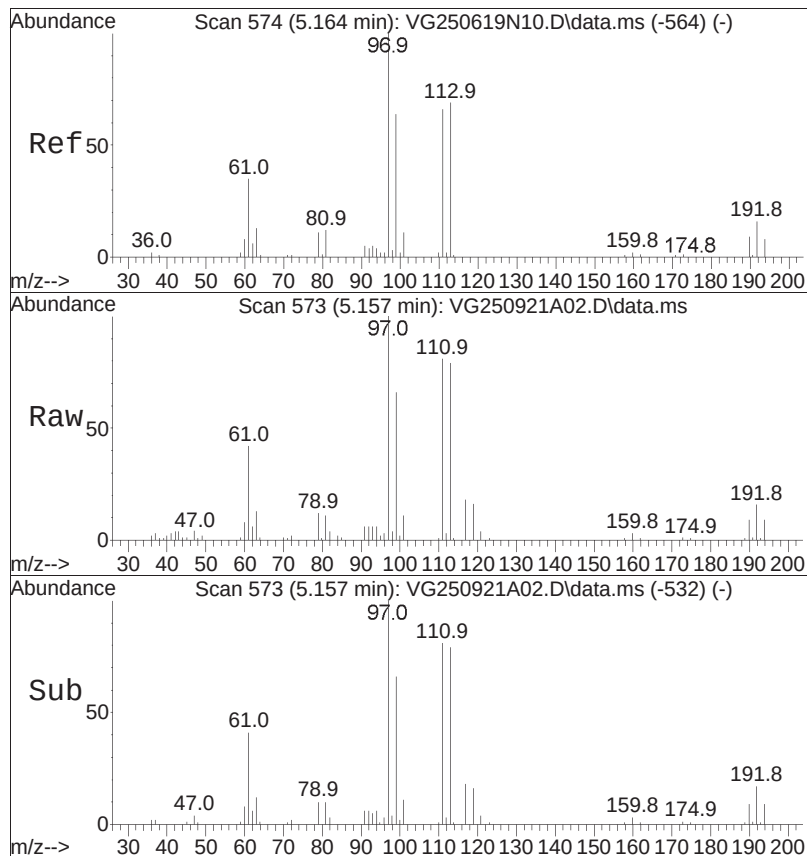




#34
 Carbon tetrachloride
 Concen: 8.76 ug/L
 RT: 5.093 min Scan# 564
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

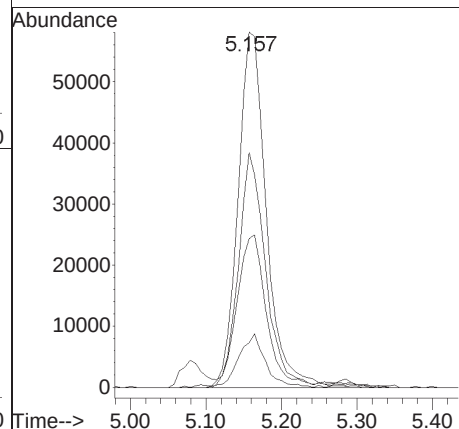
Tgt Ion	117	Resp:	129211
Ion Ratio	Lower	Upper	
117	100		
119	96.6	60.6	125.8
121	31.6	19.9	41.3
82	23.7	13.8	28.8

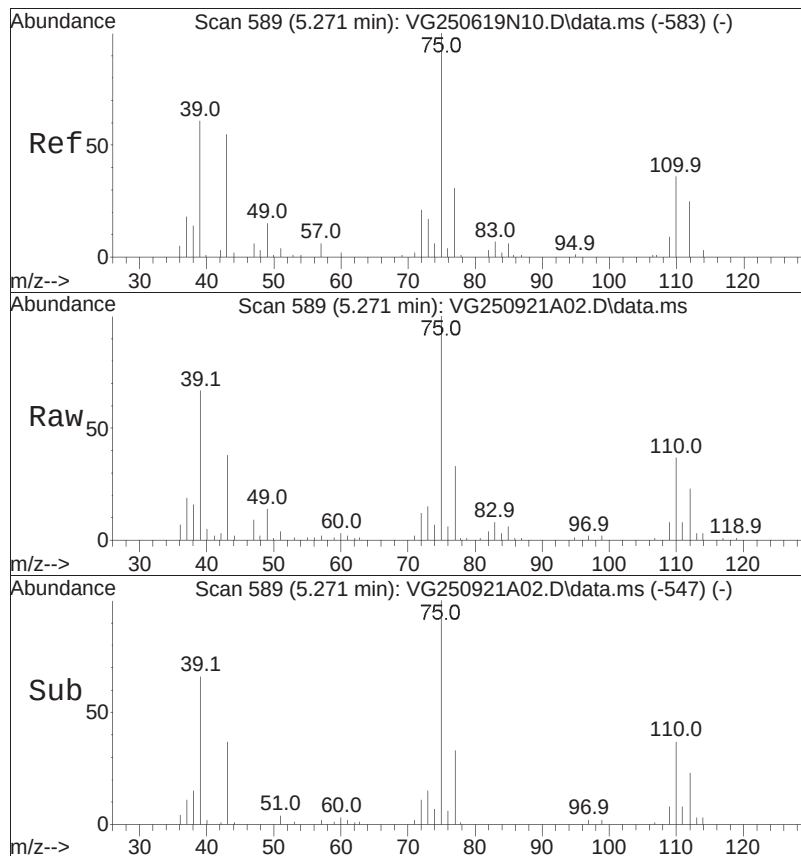




#37
 1,1,1-Trichloroethane
 Concen: 9.48 ug/L
 RT: 5.157 min Scan# 573
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

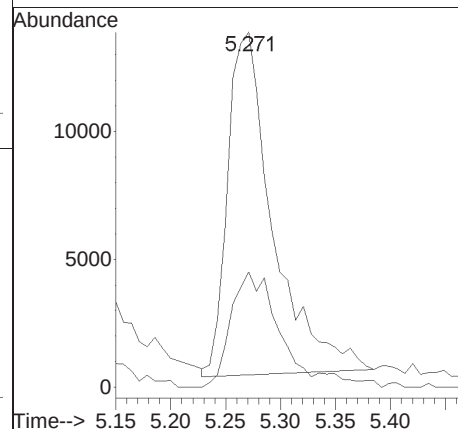
Tgt Ion:	97	Resp:	153110
Ion Ratio	Lower	Upper	
97	100		
99	62.9	41.0	85.0
61	44.0	26.7	55.4
63	13.9	8.6	17.8

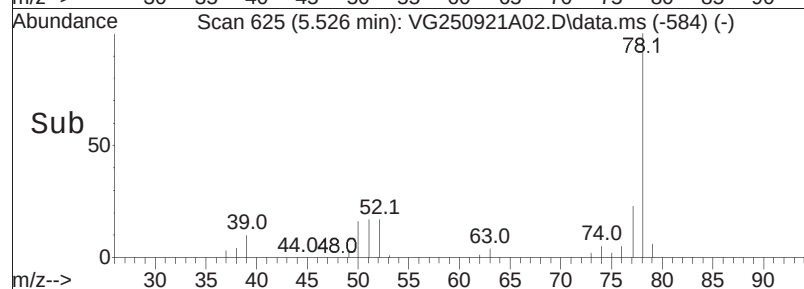
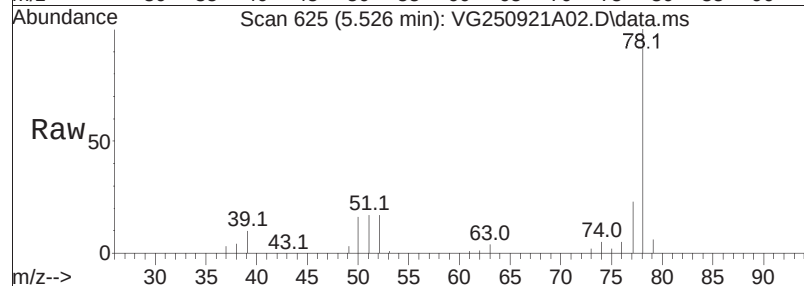
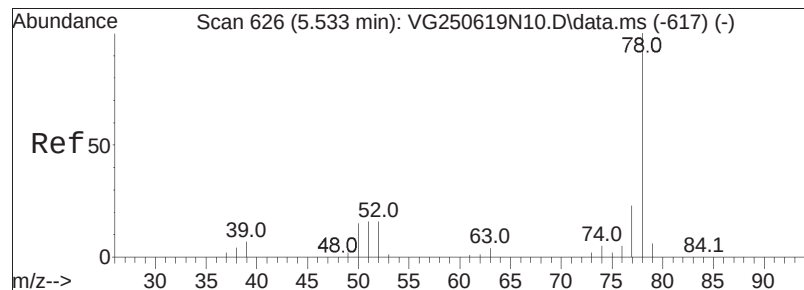




#39
 2-Butanone
 Concen: 11.48 ug/L
 RT: 5.271 min Scan# 589
 Delta R.T. 0.000 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

Tgt Ion: 43 Resp: 38450
 Ion Ratio Lower Upper
 43 100
 72 37.5 41.3 61.9#





#41

Benzene

Concen: 9.90 ug/L

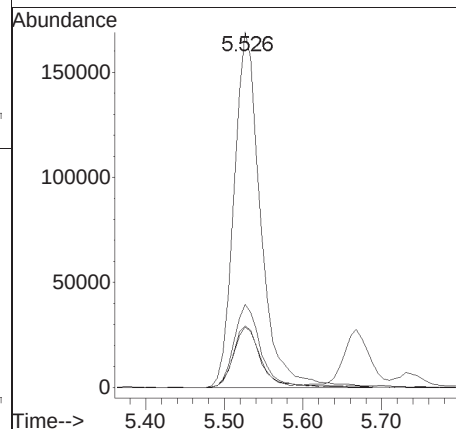
RT: 5.526 min Scan# 625

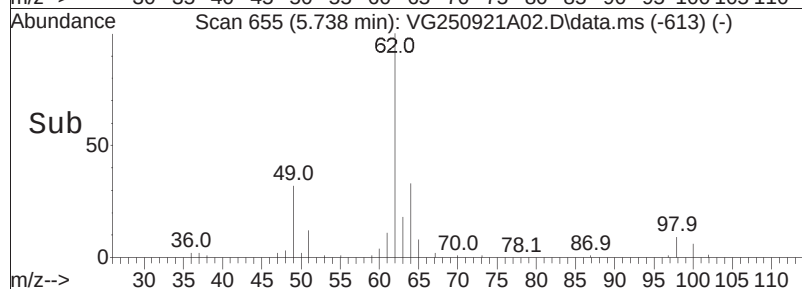
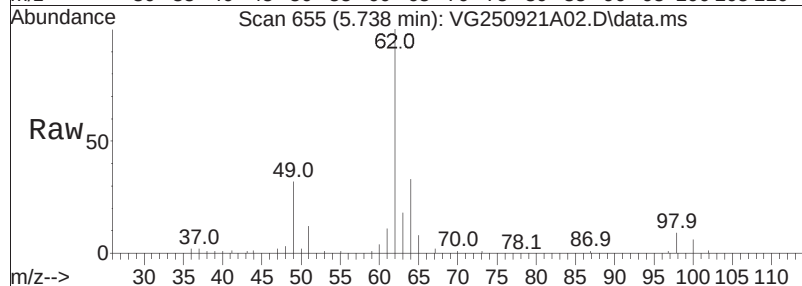
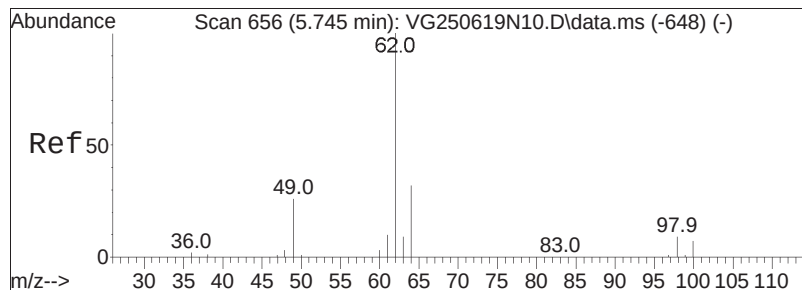
Delta R.T. -0.007 min

Lab File: VG250921A02.D

Acq: 21 Sep 2025 9:23 am

Tgt Ion:	78	Resp:	399359
Ion Ratio	Lower	Upper	
78	100		
77	23.4	15.1	31.3
51	17.5	10.3	21.3
52	17.1	9.9	20.7





#44

1,2-Dichloroethane

Concen: 10.54 ug/L

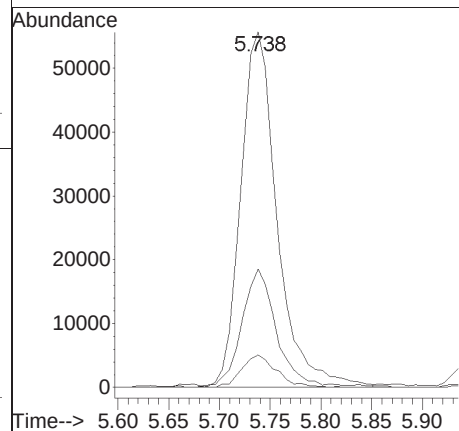
RT: 5.738 min Scan# 655

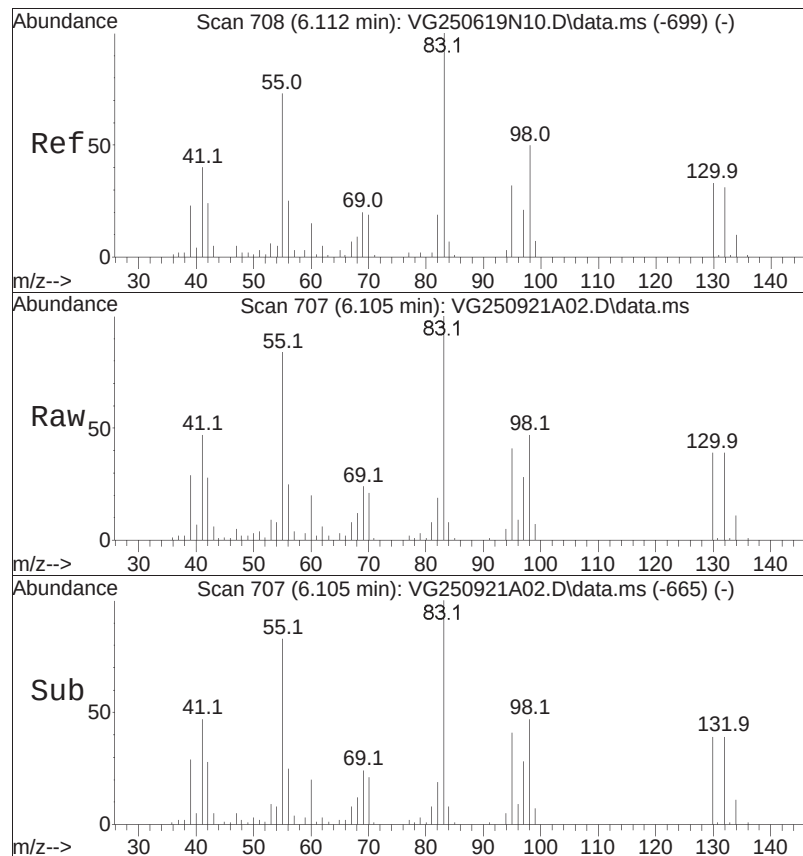
Delta R.T. -0.007 min

Lab File: VG250921A02.D

Acq: 21 Sep 2025 9:23 am

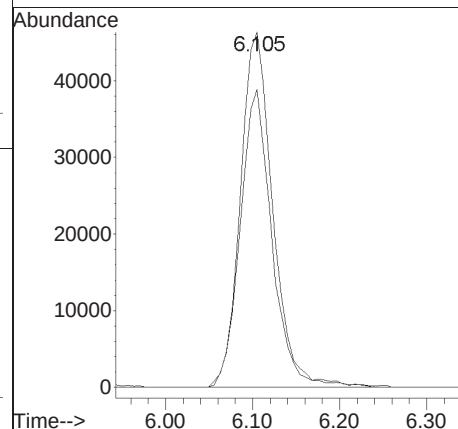
Tgt Ion:	62	Resp:	139310
Ion Ratio	Lower	Upper	
62	100		
64	30.8	10.9	50.9
98	8.9	0.0	29.9

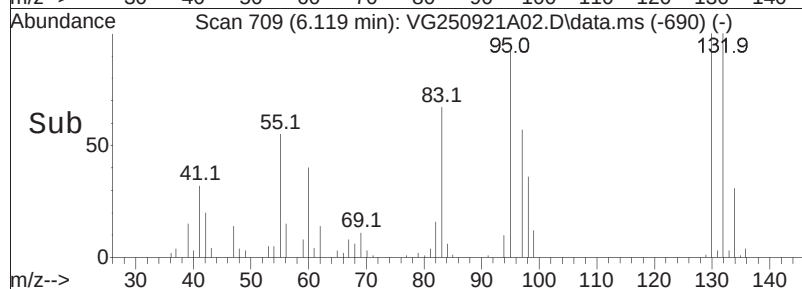
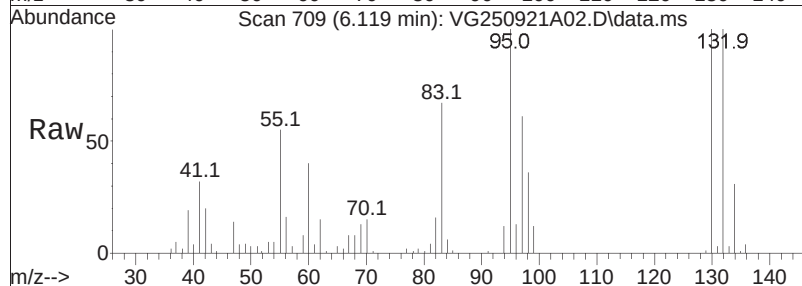
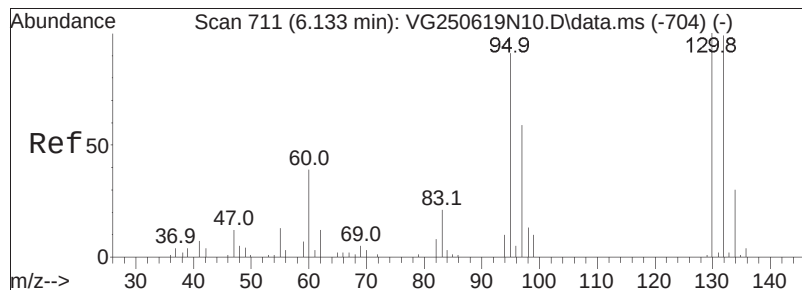




#47
Methyl cyclohexane
Concen: 8.33 ug/L
RT: 6.105 min Scan# 707
Delta R.T. -0.007 min
Lab File: VG250921A02.D
Acq: 21 Sep 2025 9:23 am

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.2	59.9	89.9





#48

Trichloroethene

Concen: 9.77 ug/L

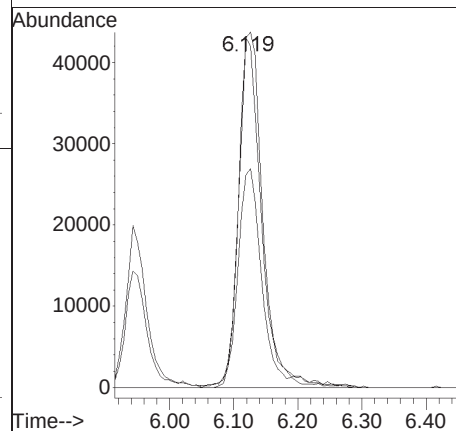
RT: 6.119 min Scan# 709

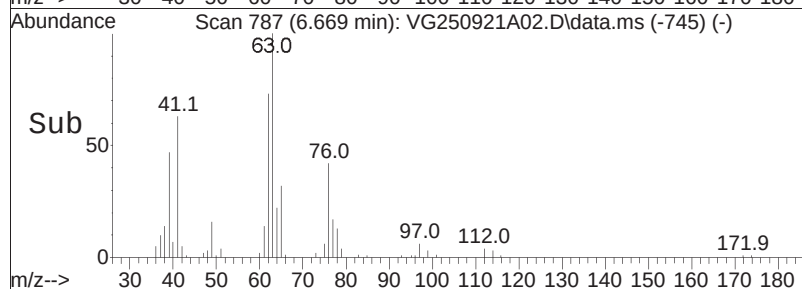
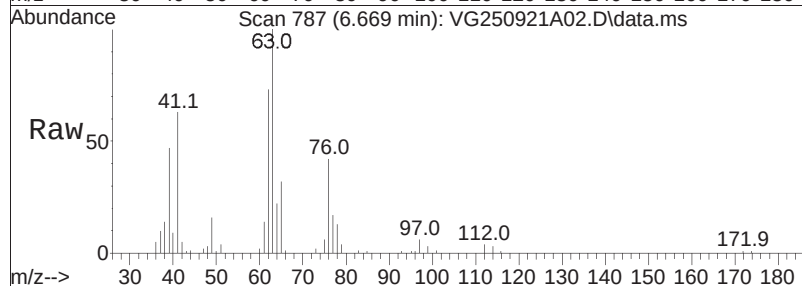
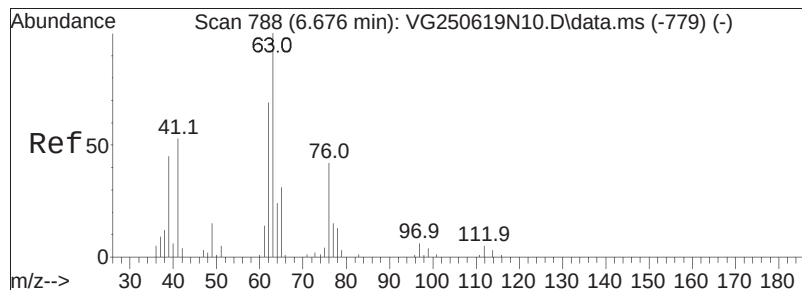
Delta R.T. -0.014 min

Lab File: VG250921A02.D

Acq: 21 Sep 2025 9:23 am

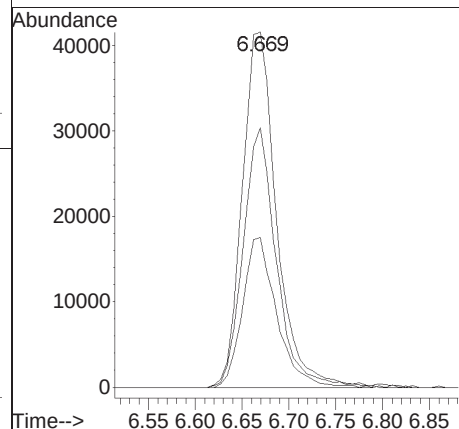
Tgt Ion:	95	Resp:	107876
Ion Ratio	Lower	Upper	
95	100		
97	65.4	53.8	80.6
130	104.8	87.0	130.6

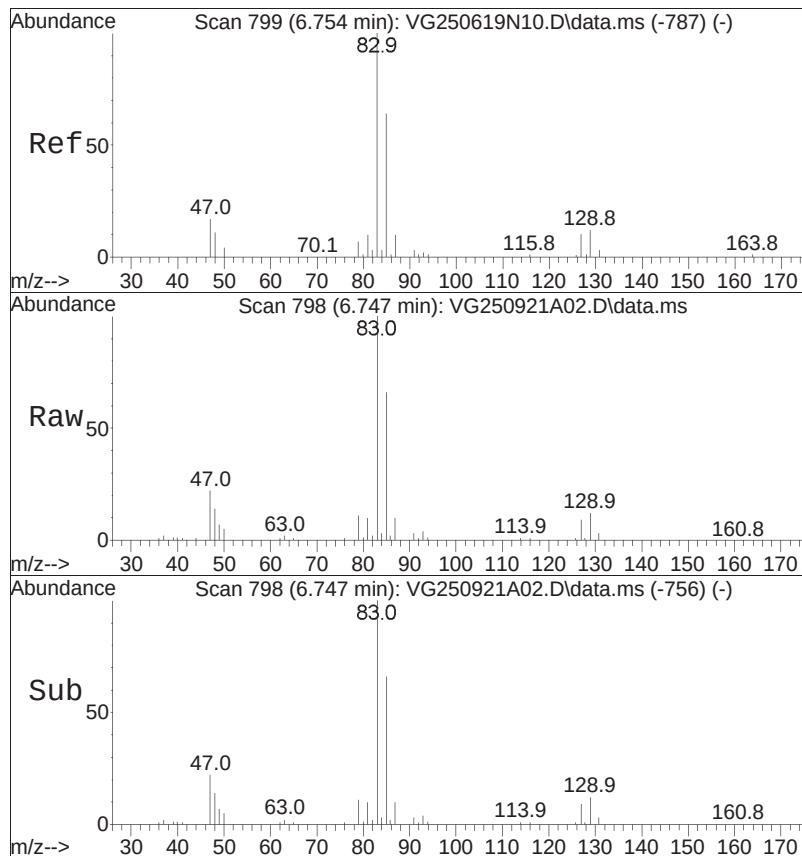




#51
 1,2-Dichloropropane
 Concen: 10.22 ug/L
 RT: 6.669 min Scan# 787
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

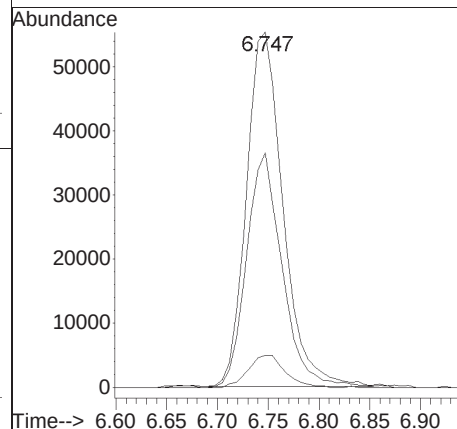
Tgt Ion:	63	Resp:	105944
Ion Ratio	Lower	Upper	
63	100		
62	70.8	54.1	81.1
76	42.0	33.8	50.6

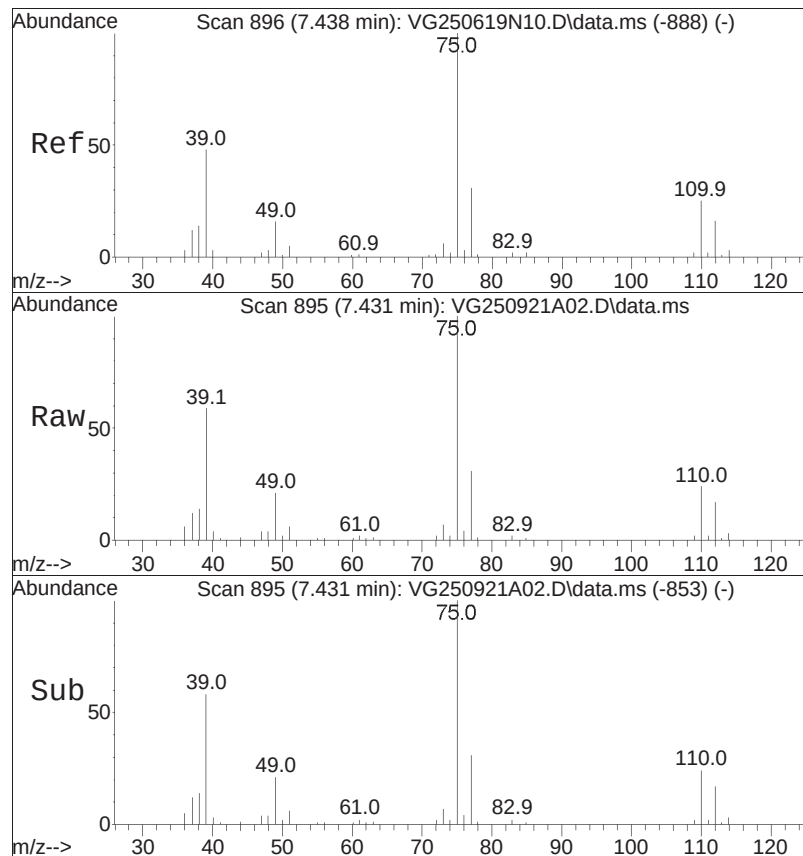




#54
 Bromodichloromethane
 Concen: 9.46 ug/L
 RT: 6.747 min Scan# 798
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

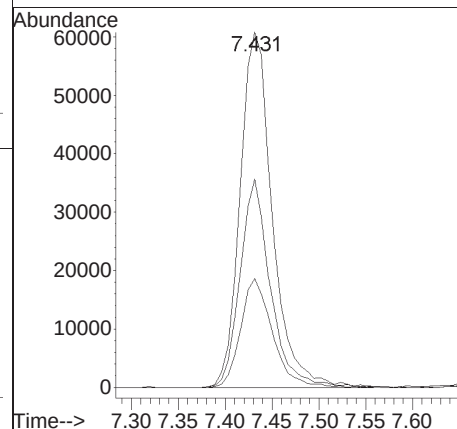
Tgt	Ion: 83	Resp:	138496
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.6
127	9.2	7.8	11.6

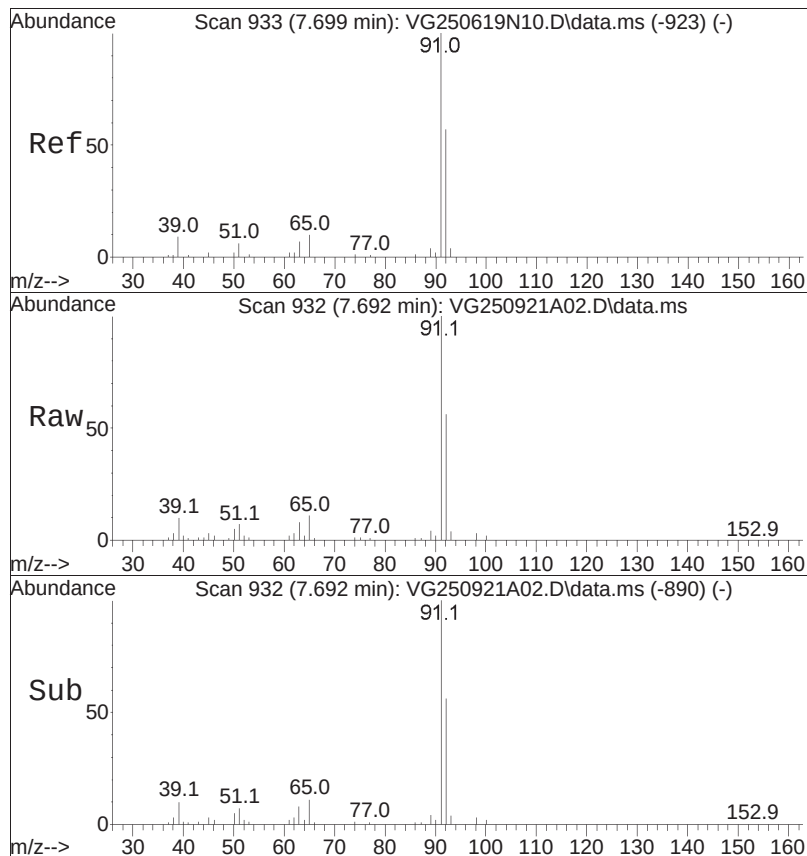




#58
 cis-1,3-Dichloropropene
 Concen: 8.49 ug/L
 RT: 7.431 min Scan# 895
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

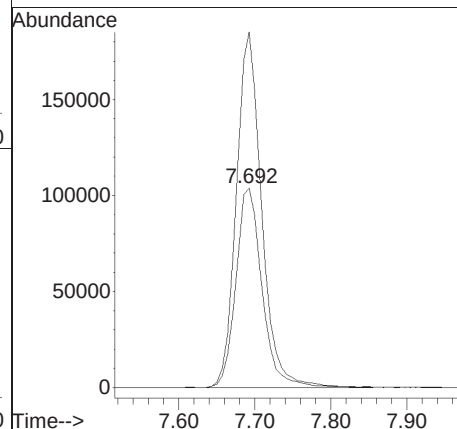
Tgt Ion:	75	Resp:	145611
Ion Ratio	Lower	Upper	
75	100		
77	30.2	25.2	37.8
39	55.3	39.9	59.9

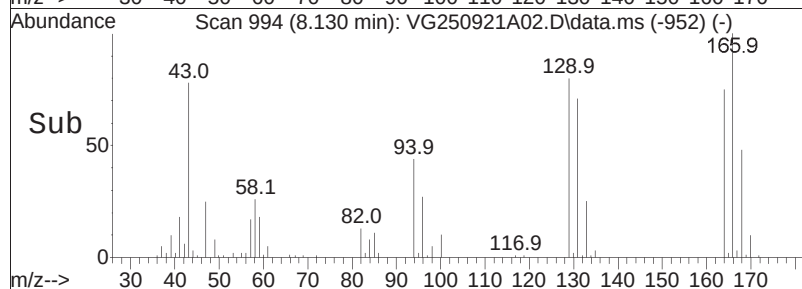
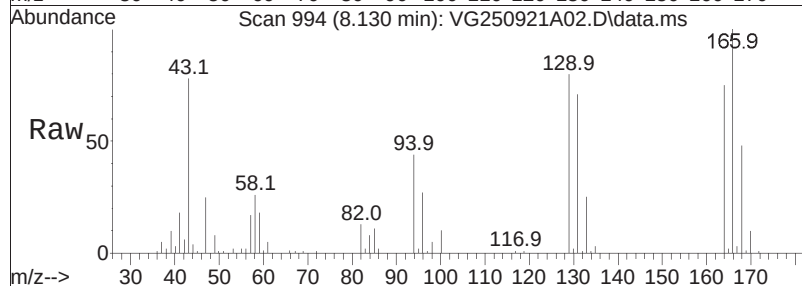
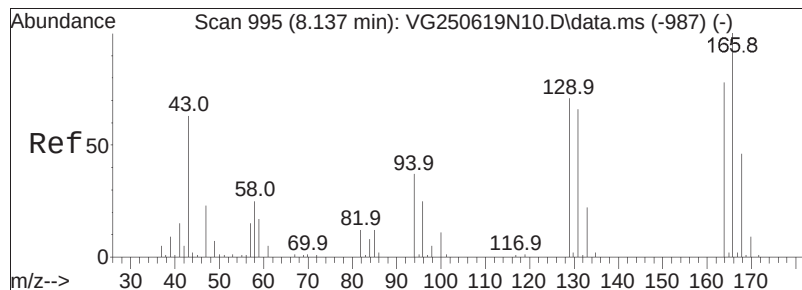




#61
Toluene
Concen: 9.57 ug/L
RT: 7.692 min Scan# 932
Delta R.T. -0.007 min
Lab File: VG250921A02.D
Acq: 21 Sep 2025 9:23 am

Tgt Ion:	92	Resp:	247580
Ion Ratio	Lower	Upper	
92	100		
91	172.4	138.2	207.2





#62

4-Methyl-2-pentanone

Concen: 8.74 ug/L

RT: 8.130 min Scan# 994

Delta R.T. -0.007 min

Lab File: VG250921A02.D

Acq: 21 Sep 2025 9:23 am

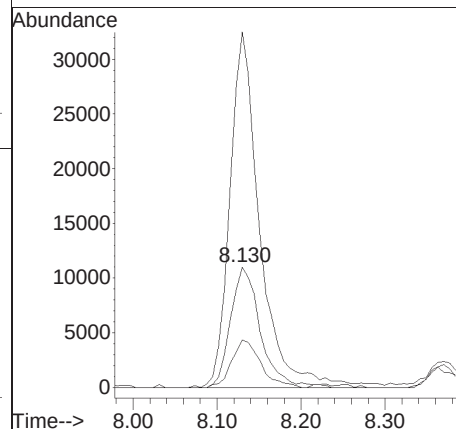
Tgt Ion: 58 Resp: 27581

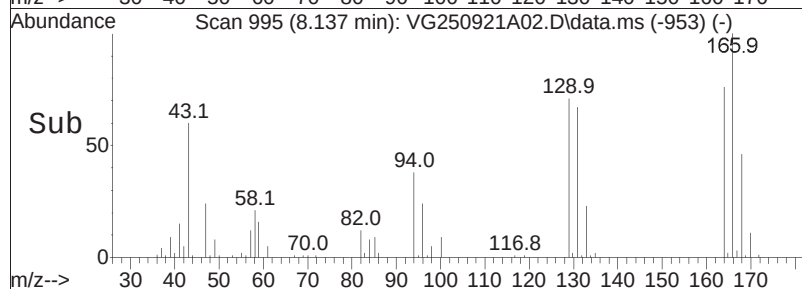
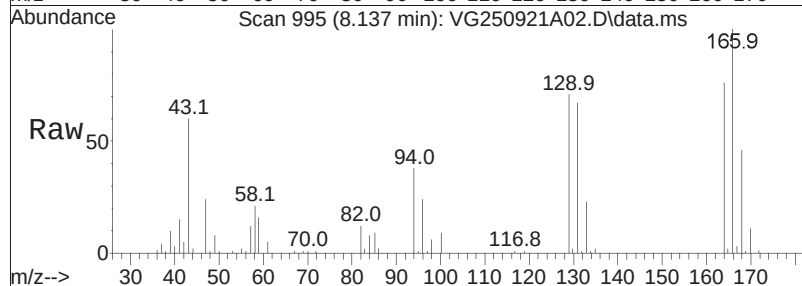
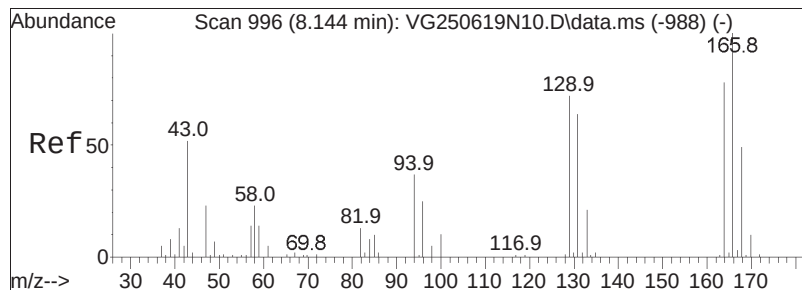
Ion Ratio Lower Upper

58 100

100 37.8 33.9 50.9

43 289.3 193.0 289.6





#63

Tetrachloroethene

Concen: 9.07 ug/L

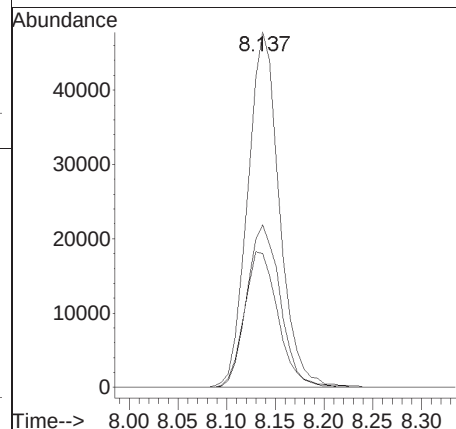
RT: 8.137 min Scan# 995

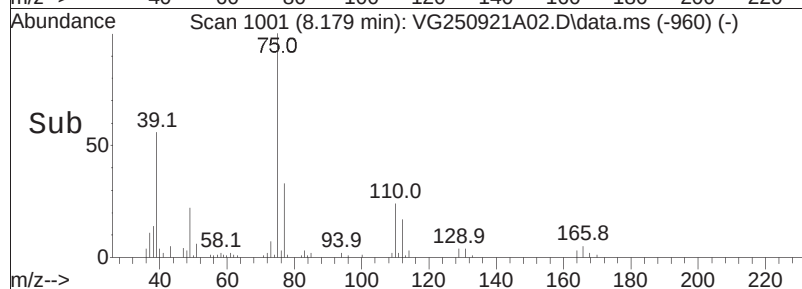
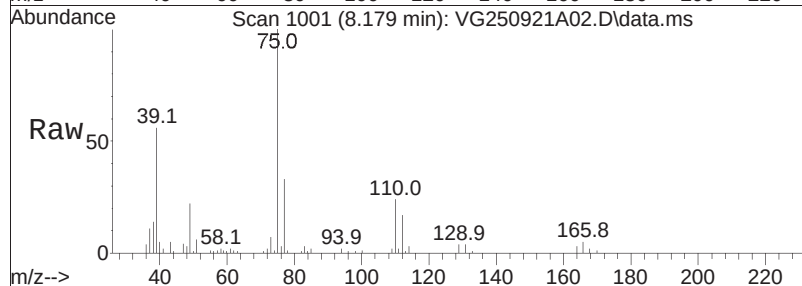
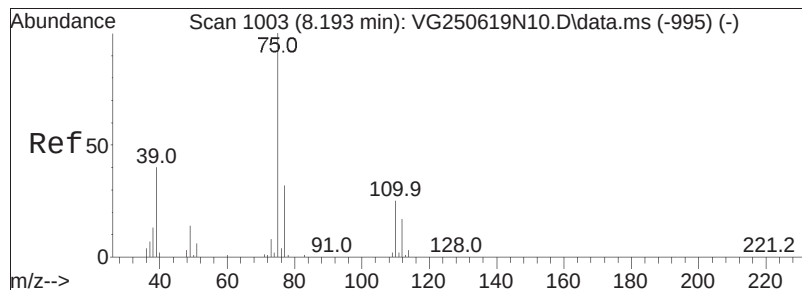
Delta R.T. -0.007 min

Lab File: VG250921A02.D

Acq: 21 Sep 2025 9:23 am

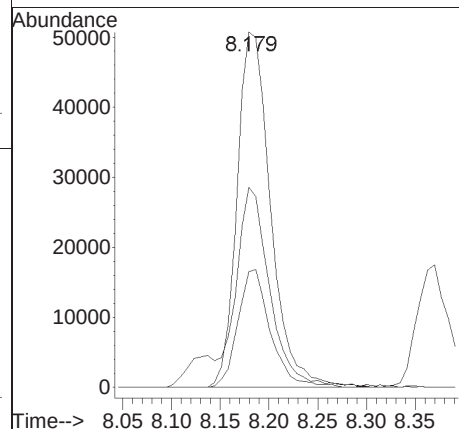
Tgt	Ion:166	Resp:	108492
Ion	Ratio	Lower	Upper
166	100		
168	48.1	27.6	67.6
94	40.6	16.7	56.7

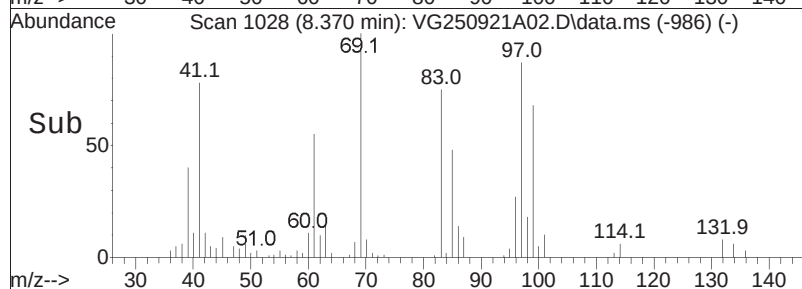
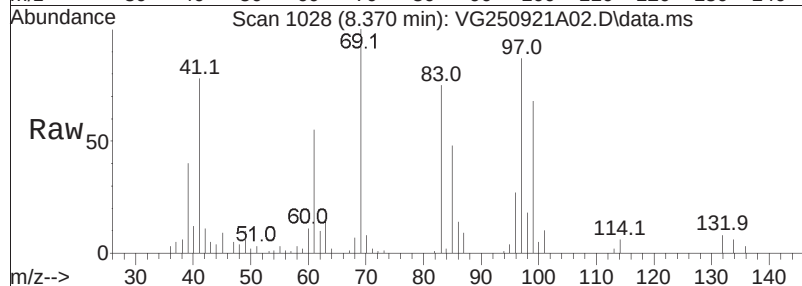
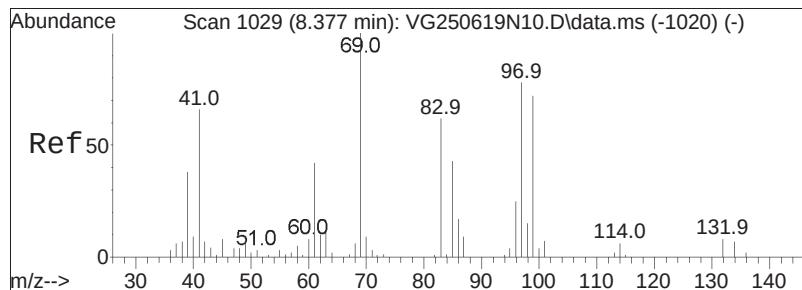




#65
 trans-1,3-Dichloropropene
 Concen: 8.18 ug/L
 RT: 8.179 min Scan# 1001
 Delta R.T. -0.014 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

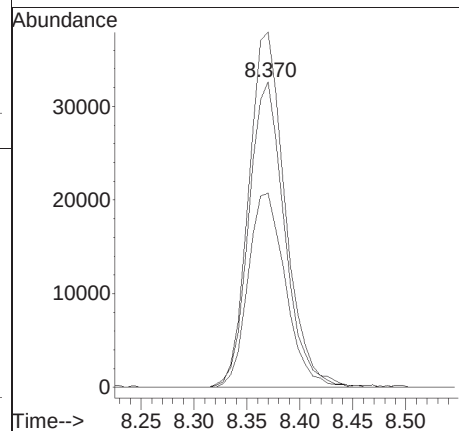
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	11.5	51.5
39	56.7	27.6	67.6

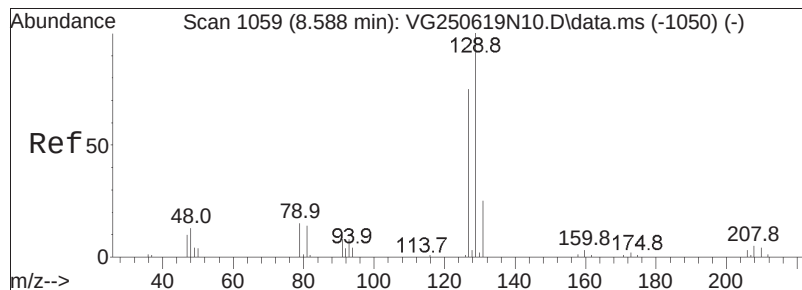




#68
 1,1,2-Trichloroethane
 Concen: 10.01 ug/L
 RT: 8.370 min Scan# 1028
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

Tgt Ion	Ratio	Lower	Upper
83	100		
97	118.7	103.4	143.4
85	66.4	48.6	88.6





#69

Chlorodibromomethane

Concen: 8.72 ug/L

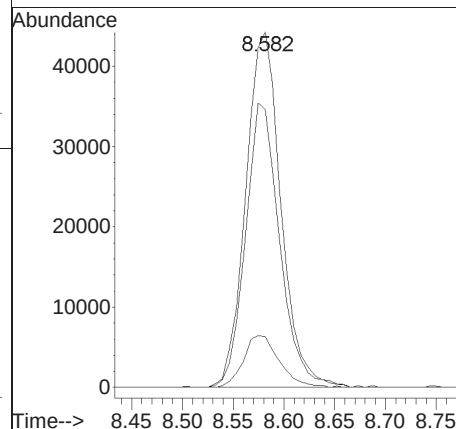
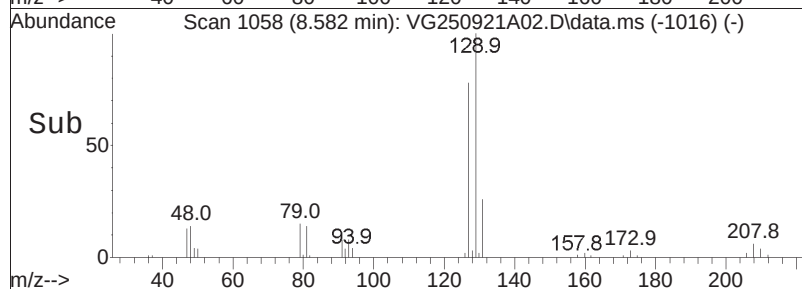
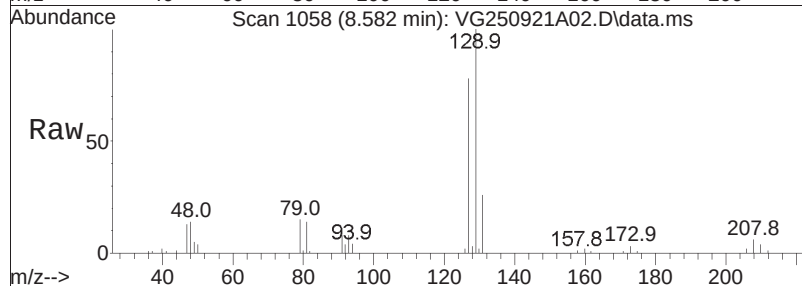
RT: 8.582 min Scan# 1058

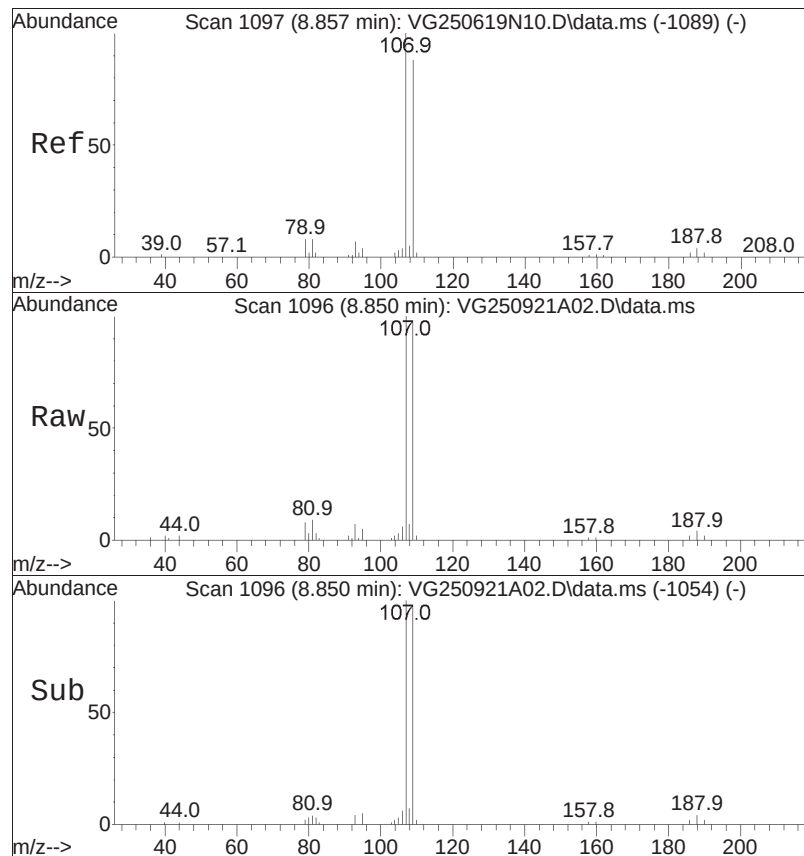
Delta R.T. -0.007 min

Lab File: VG250921A02.D

Acq: 21 Sep 2025 9:23 am

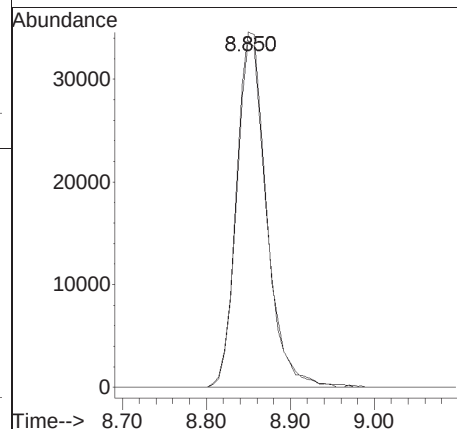
Tgt	Ion:129	Resp:	106925
Ion	Ratio	Lower	Upper
129	100		
81	14.9	0.0	34.8
127	77.6	57.0	97.0

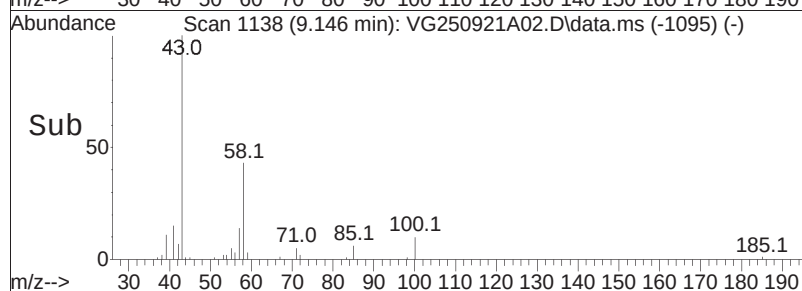
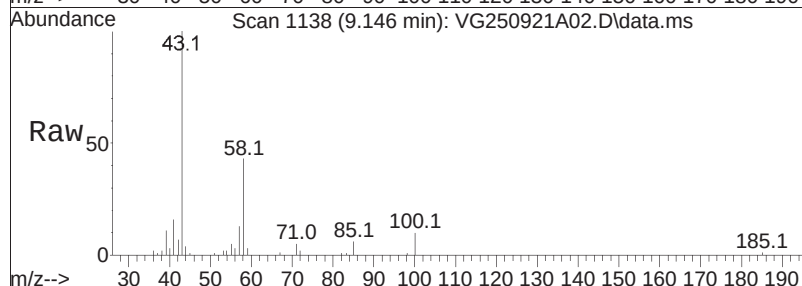
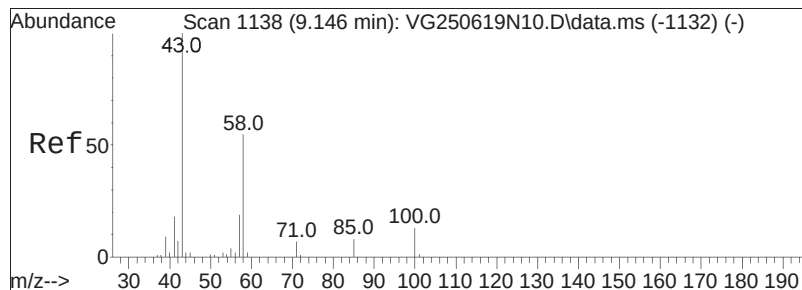




#71
 1,2-Dibromoethane
 Concen: 8.91 ug/L
 RT: 8.850 min Scan# 1096
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.8	74.6	111.8





#72

2-Hexanone

Concen: 9.40 ug/L

RT: 9.146 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VG250921A02.D

Acq: 21 Sep 2025 9:23 am

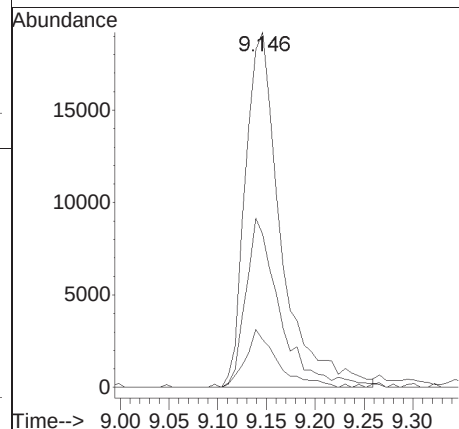
Tgt Ion: 43 Resp: 49225

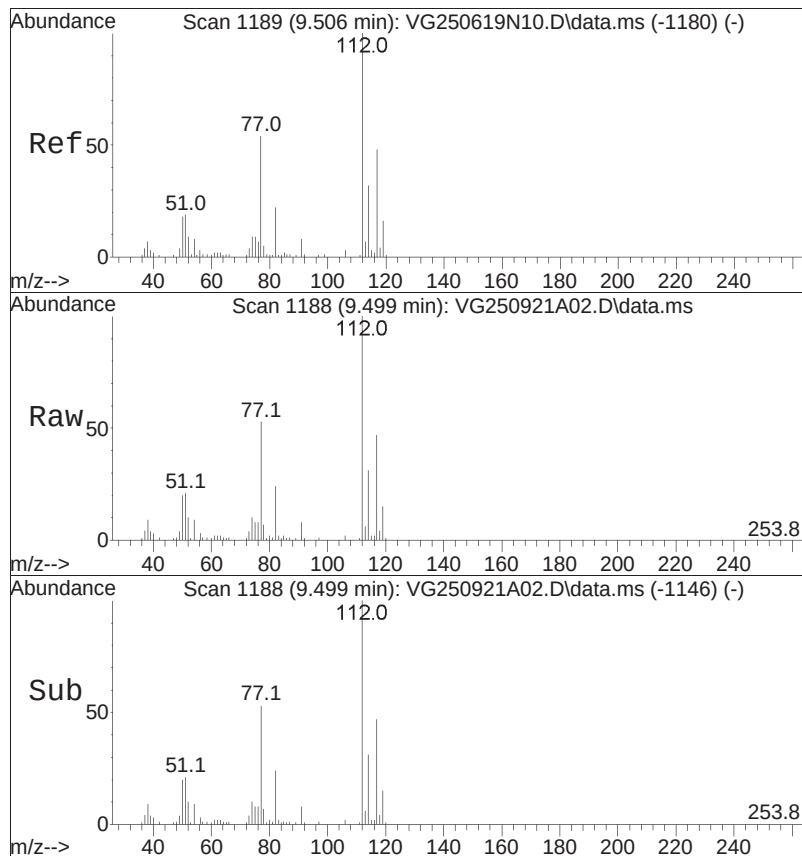
Ion Ratio Lower Upper

43 100

58 46.0 44.0 66.0

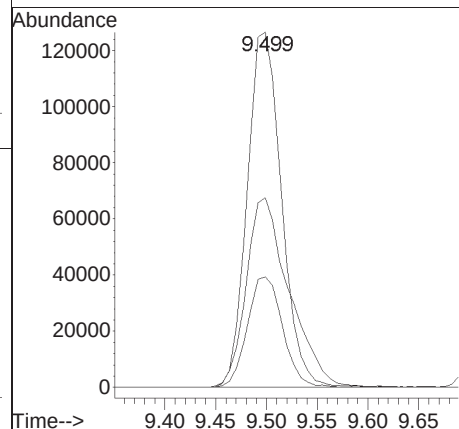
57 14.6 15.7 23.5#

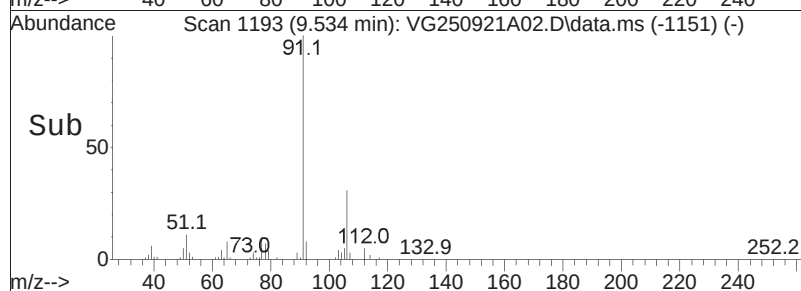
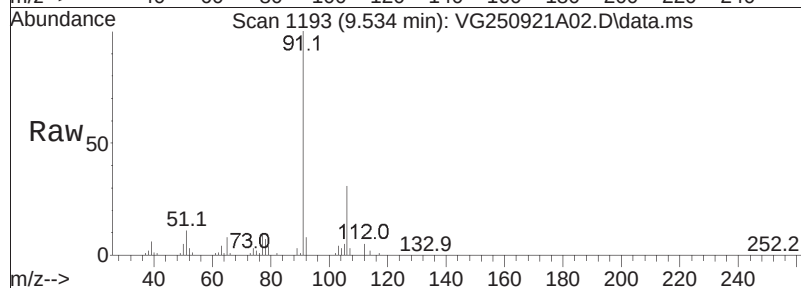
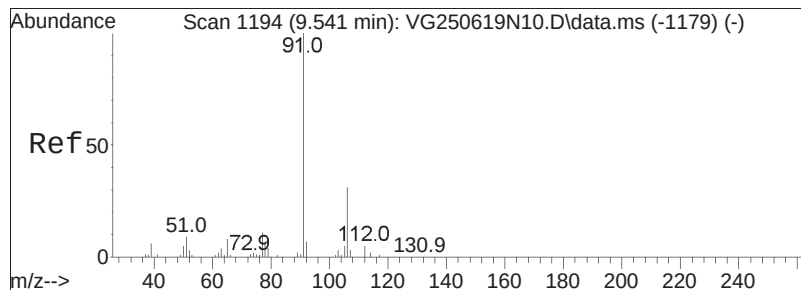




#73
 Chlorobenzene
 Concen: 9.71 ug/L
 RT: 9.499 min Scan# 1188
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

Tgt Ion:	112	Resp:	297507
Ion Ratio	Lower	Upper	
112	100		
77	67.0	53.5	80.3
114	32.0	25.8	38.6





#74

Ethylbenzene

Concen: 9.28 ug/L

RT: 9.534 min Scan# 1193

Delta R.T. -0.007 min

Lab File: VG250921A02.D

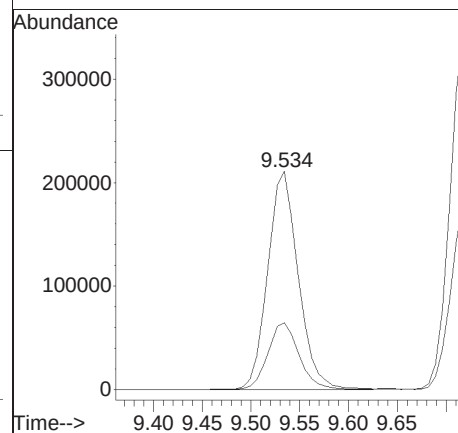
Acq: 21 Sep 2025 9:23 am

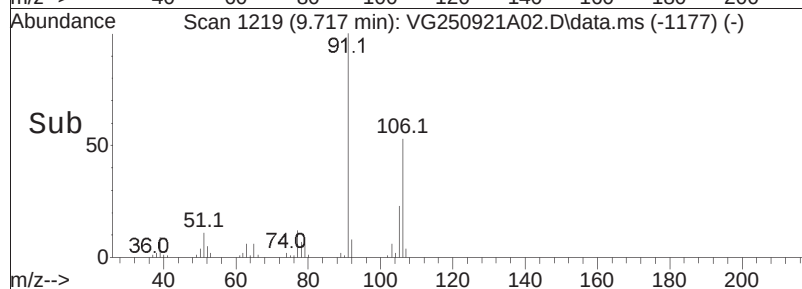
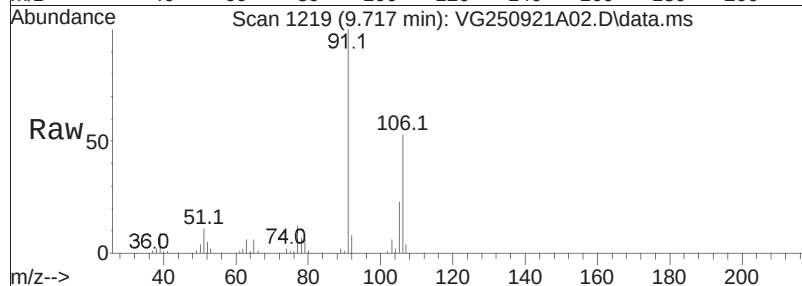
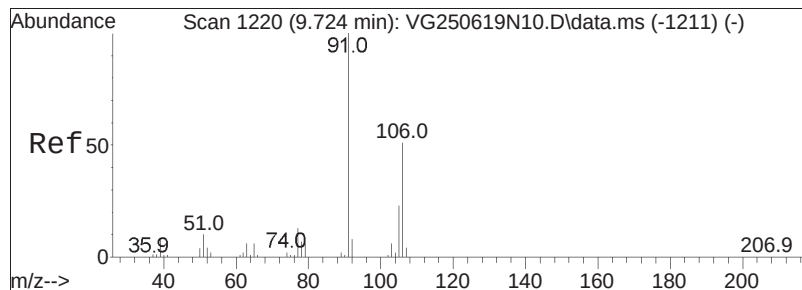
Tgt Ion: 91 Resp: 459480

Ion Ratio Lower Upper

91 100

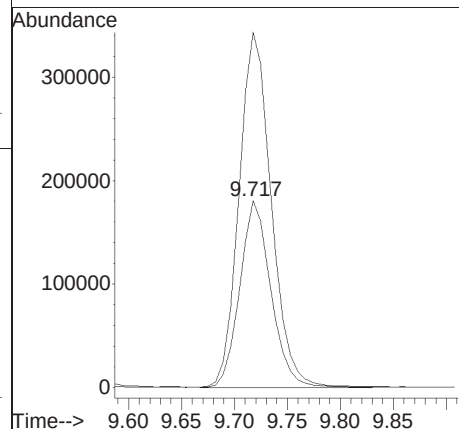
106 31.1 25.0 37.6

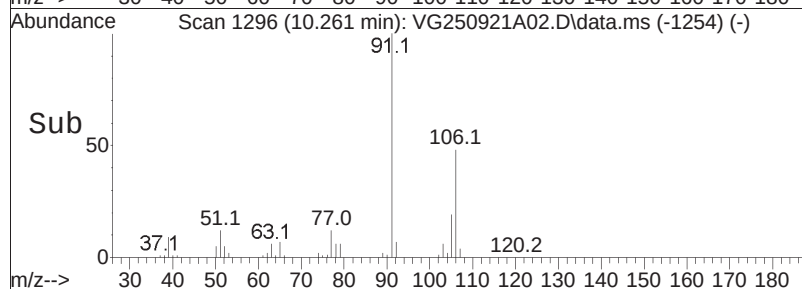
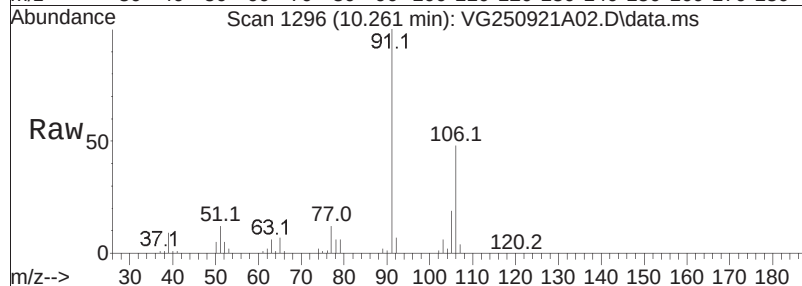
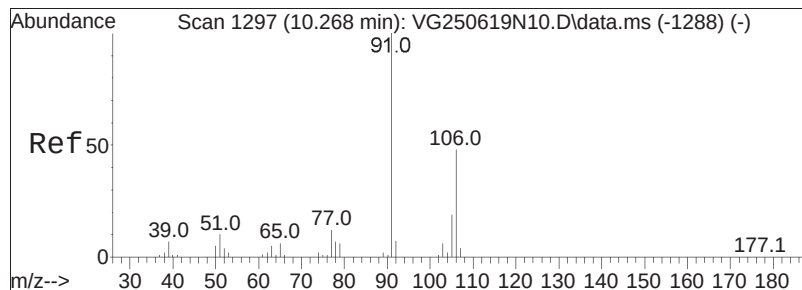




#76
 p/m Xylene
 Concen: 18.69 ug/L
 RT: 9.717 min Scan# 1219
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.7	154.8	232.2





#77

o Xylene

Concen: 18.24 ug/L

RT: 10.261 min Scan# 1296

Delta R.T. -0.007 min

Lab File: VG250921A02.D

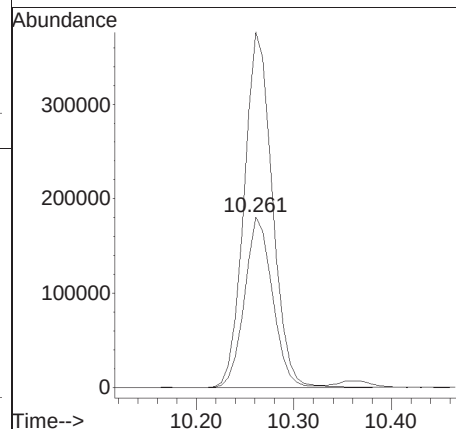
Acq: 21 Sep 2025 9:23 am

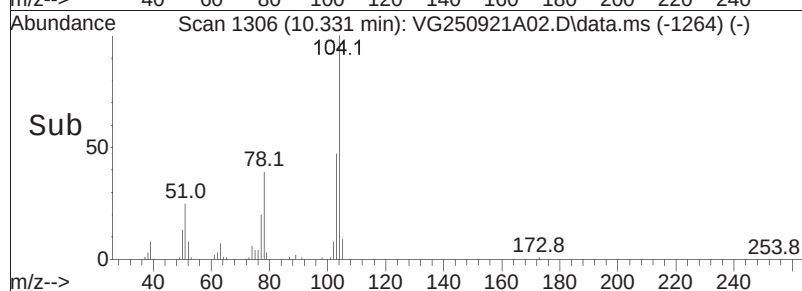
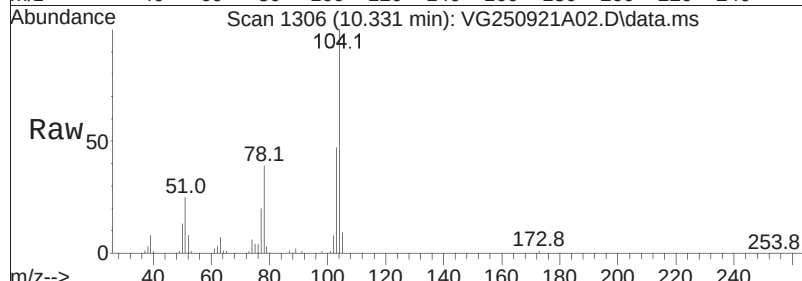
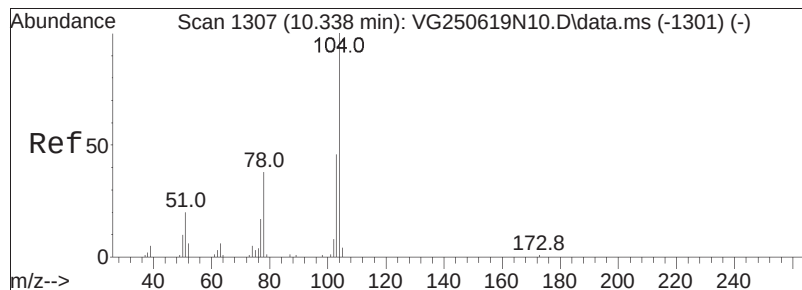
Tgt Ion:106 Resp: 360708

Ion Ratio Lower Upper

106 100

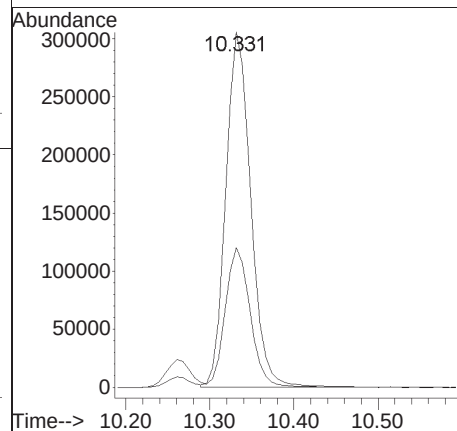
91 209.2 166.0 249.0

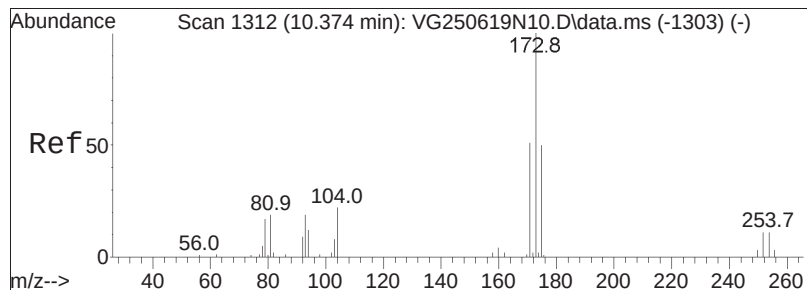




#78
 Styrene
 Concen: 18.60 ug/L
 RT: 10.331 min Scan# 1306
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.7	31.4	47.2





#80

Bromoform

Concen: 7.75 ug/L

RT: 10.360 min Scan# 1310

Delta R.T. -0.014 min

Lab File: VG250921A02.D

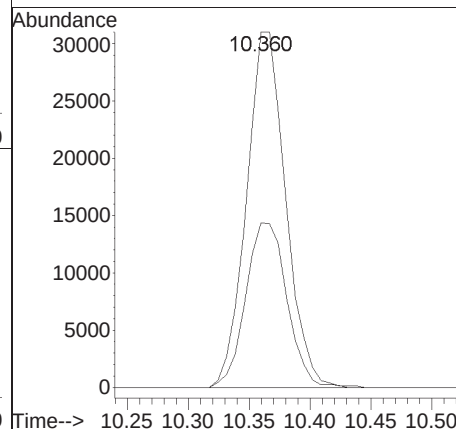
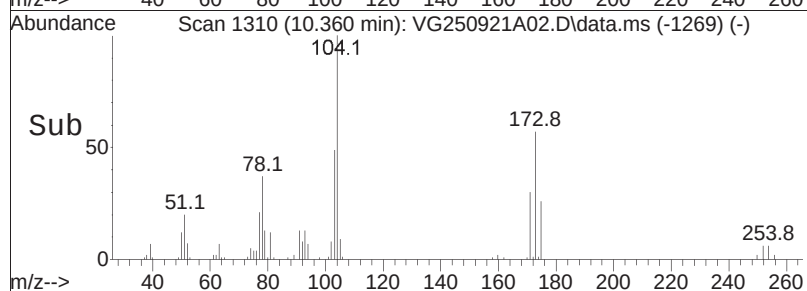
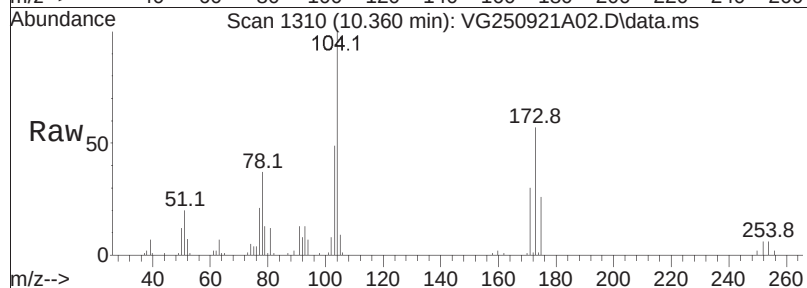
Acq: 21 Sep 2025 9:23 am

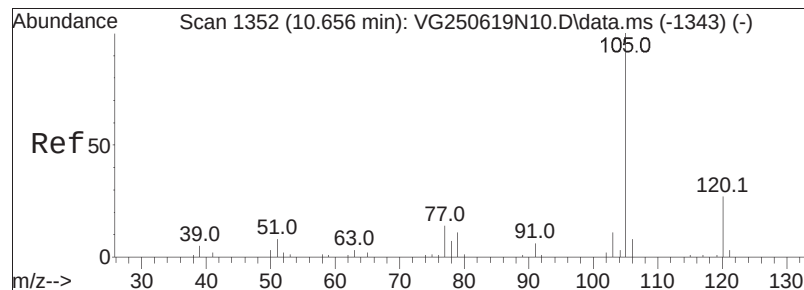
Tgt Ion:173 Resp: 69424

Ion Ratio Lower Upper

173 100

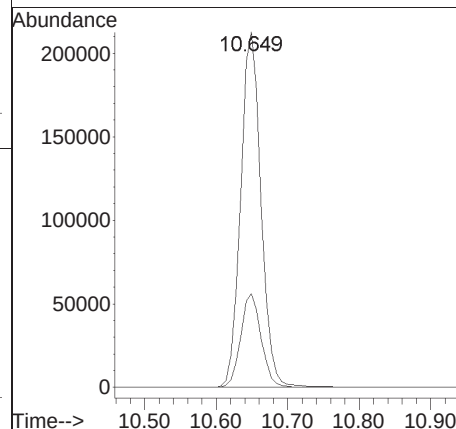
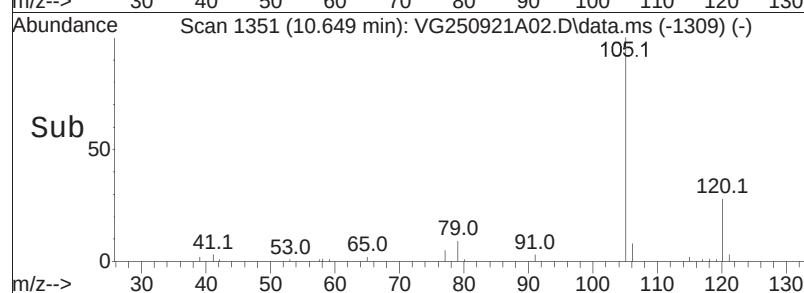
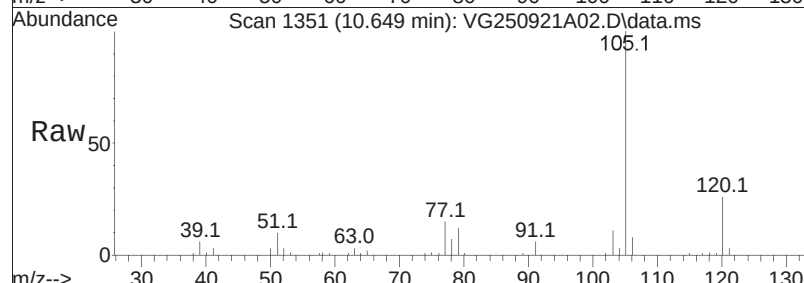
175 48.5 28.8 68.8

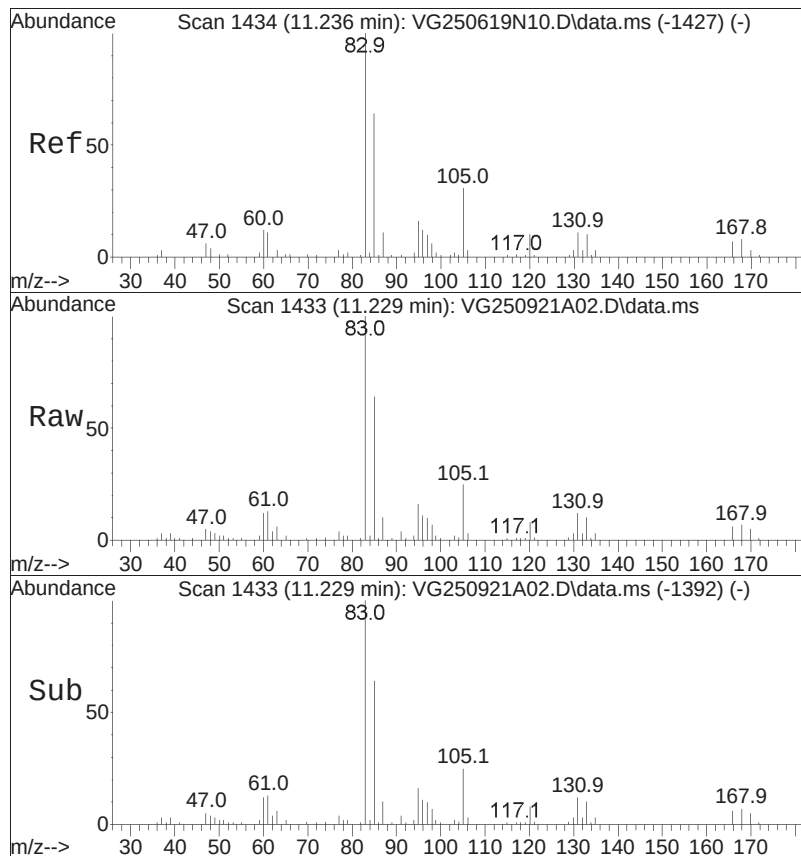




#82
 Isopropylbenzene
 Concen: 8.66 ug/L
 RT: 10.649 min Scan# 1351
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

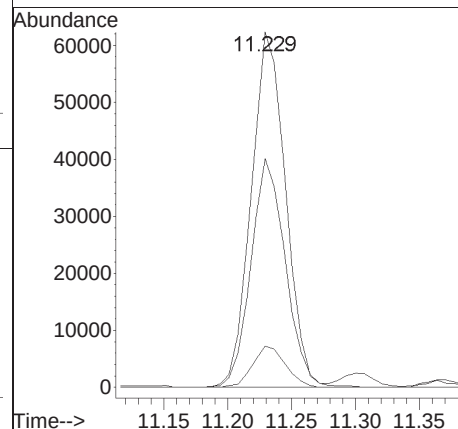
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	7.6	47.6

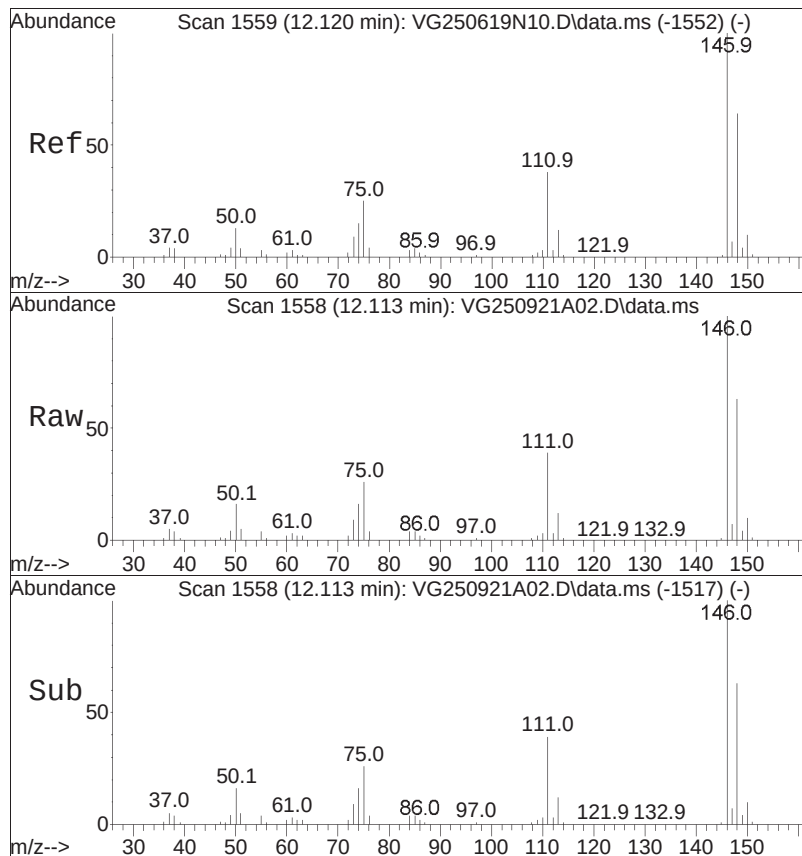




#87
 1,1,2,2-Tetrachloroethane
 Concen: 9.28 ug/L
 RT: 11.229 min Scan# 1433
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

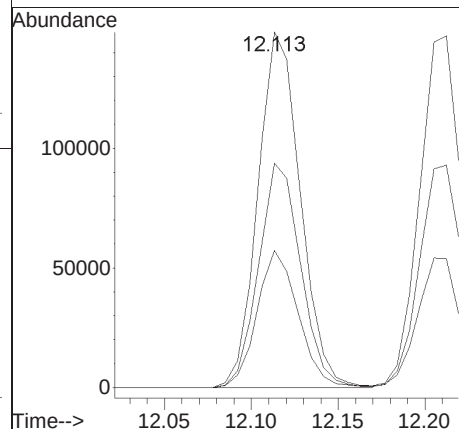
Tgt Ion:	83	Resp:	116525
Ion Ratio	Lower	Upper	
83	100		
131	11.2	0.0	31.5
85	64.5	44.6	84.6

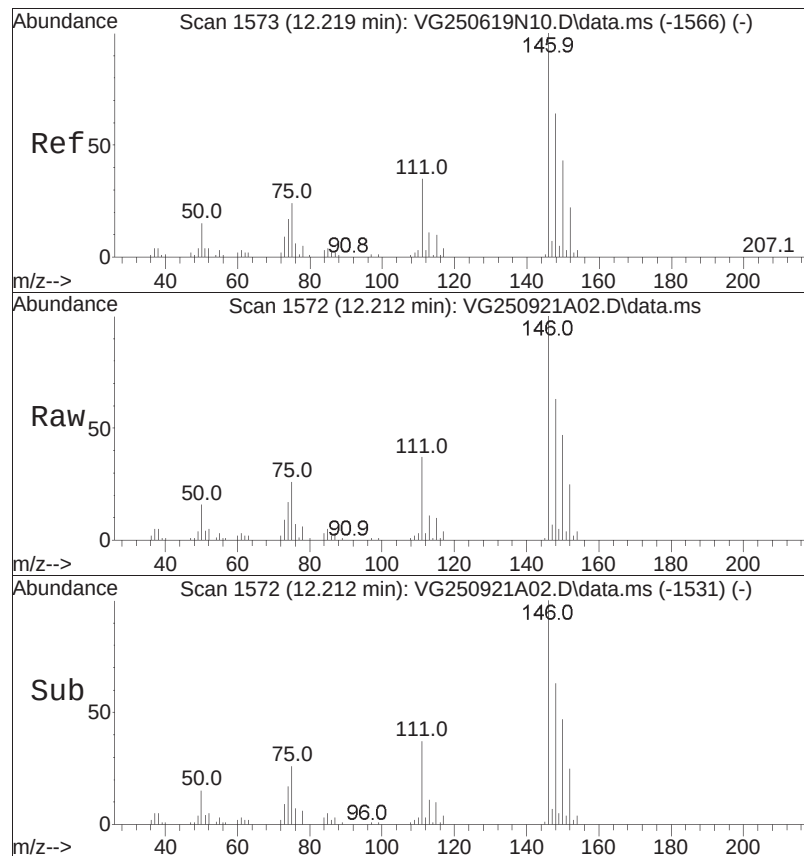




#100
 1,3-Dichlorobenzene
 Concen: 9.36 ug/L
 RT: 12.113 min Scan# 1558
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

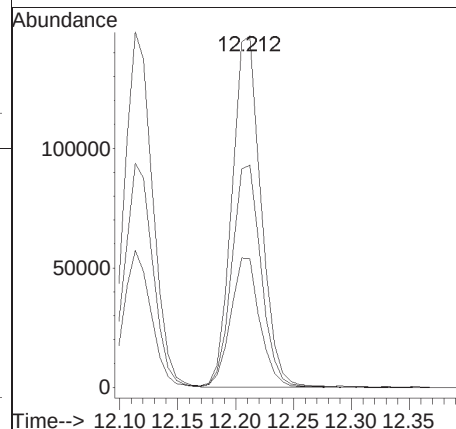
Tgt Ion:	146	Resp:	252232
Ion Ratio	Lower	Upper	
146	100		
111	37.4	23.9	49.5
148	62.5	41.2	85.6

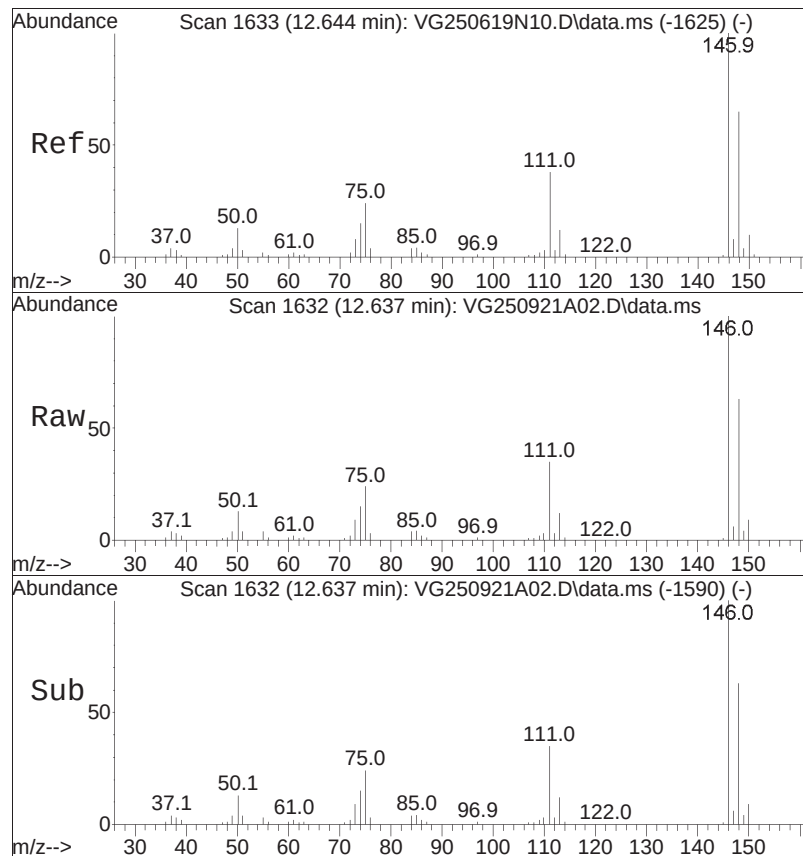




#101
 1,4-Dichlorobenzene
 Concen: 9.28 ug/L
 RT: 12.212 min Scan# 1572
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

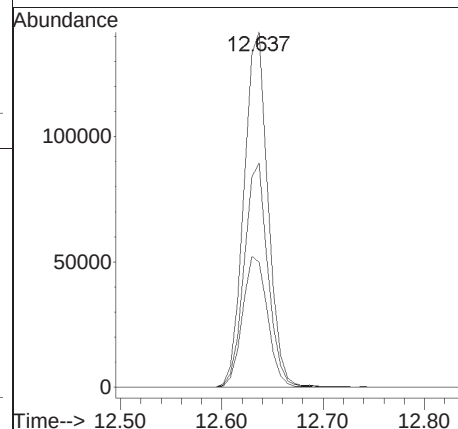
Tgt Ion:	146	Resp:	256683
Ion Ratio	Lower	Upper	
146	100		
111	37.2	28.9	43.3
148	64.0	51.2	76.8

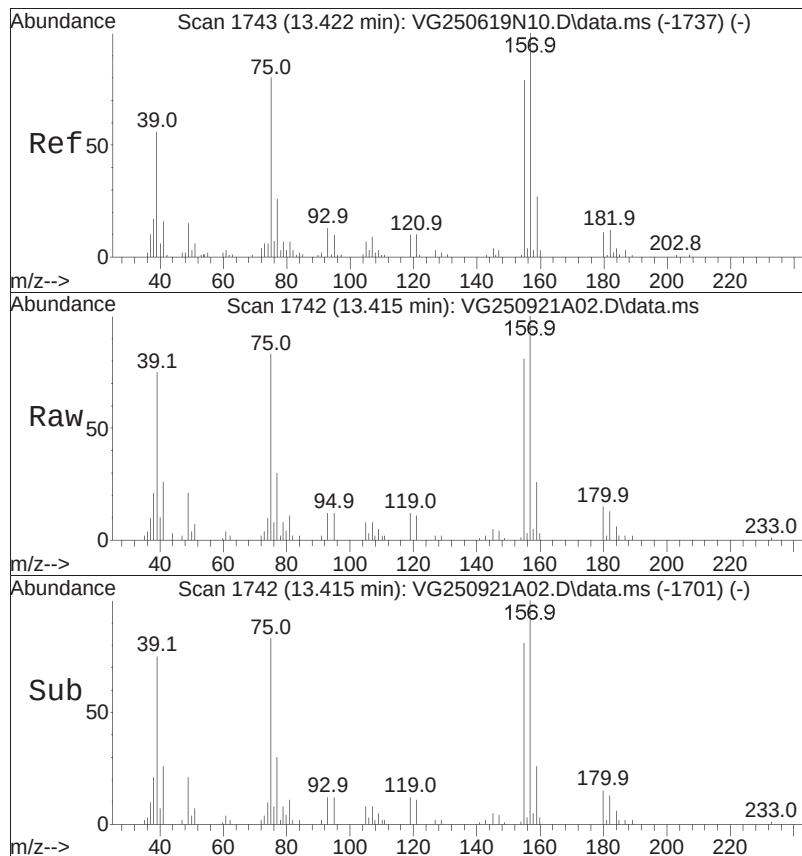




#104
 1,2-Dichlorobenzene
 Concen: 9.11 ug/L
 RT: 12.637 min Scan# 1632
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

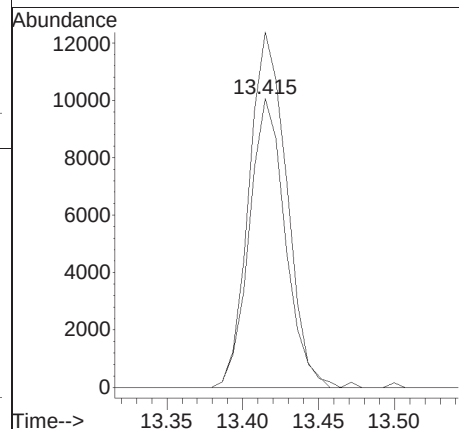
Tgt Ion:	146	Resp:	234539
Ion Ratio	Lower	Upper	
146	100		
111	38.4	24.6	51.0
148	62.4	41.4	86.0

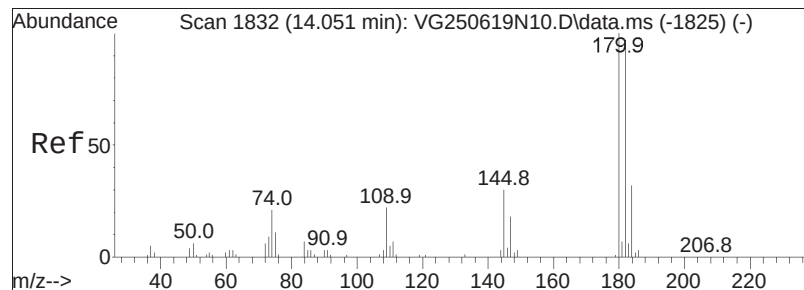




#106
 1,2-Dibromo-3-chloropropane
 Concen: 7.30 ug/L
 RT: 13.415 min Scan# 1742
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

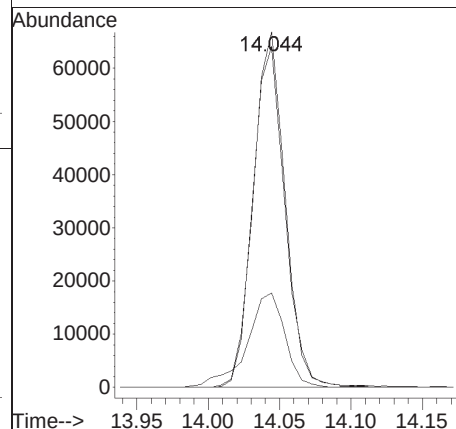
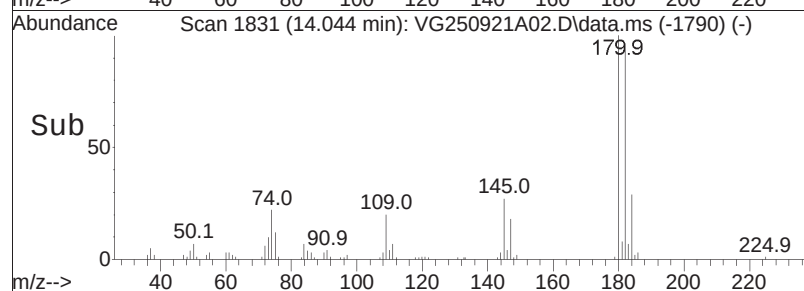
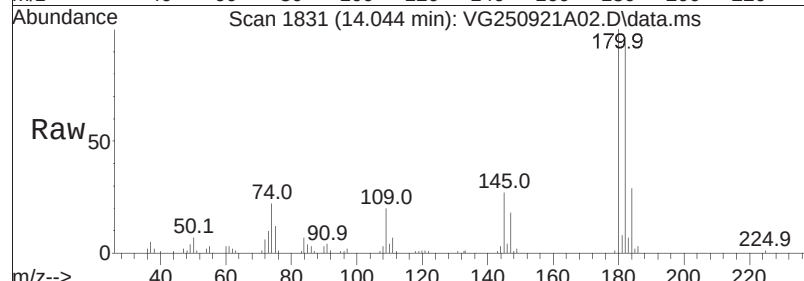
Tgt Ion	Ratio	Lower	Upper
155	100		
157	126.9	99.0	148.6

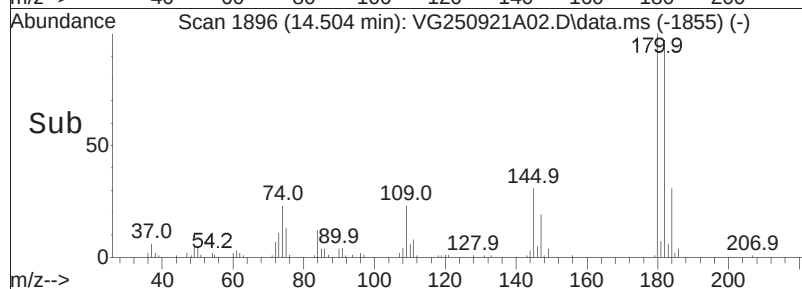
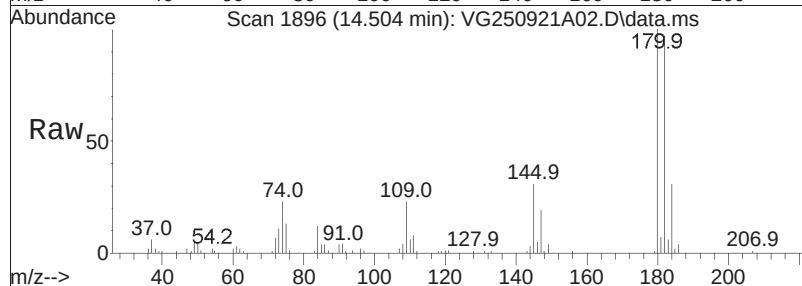
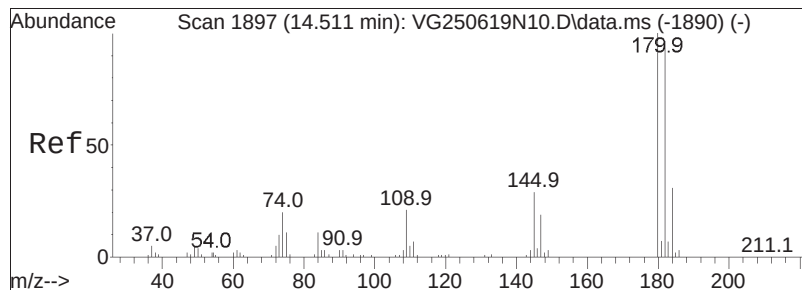




#109
 1,2,4-Trichlorobenzene
 Concen: 7.10 ug/L
 RT: 14.044 min Scan# 1831
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

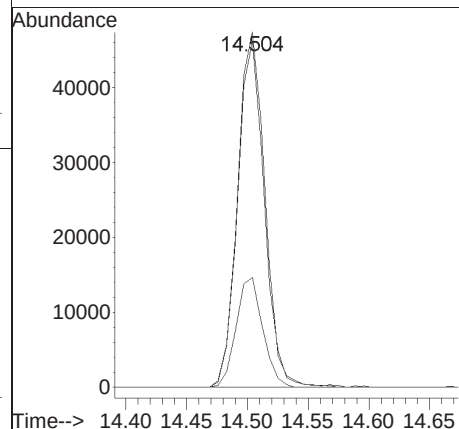
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.0	114.0
145	31.8	25.3	37.9





#111
 1,2,3-Trichlorobenzene
 Concen: 6.64 ug/L
 RT: 14.504 min Scan# 1896
 Delta R.T. -0.007 min
 Lab File: VG250921A02.D
 Acq: 21 Sep 2025 9:23 am

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.8	115.2
145	30.0	24.1	36.1



Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A11.D
 Acq On : 11 Sep 2025 11:45 am
 Operator : GONZO:mjv
 Sample : WG2113862-6,31,10,10,,A1 (Sig #1); L2554658-01MS,31,10,10,,A1 (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 12 07:53:21 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NYTCL+Iodomethane - NYTSTD+IM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.949	96	471538	10.000	ug/L	0.00
Standard Area 1 = 503476			Recovery	=	93.66%	
59) Chlorobenzene-d5	9.477	117	364032	10.000	ug/L	0.00
Standard Area 1 = 390080			Recovery	=	93.32%	
79) 1,4-Dichlorobenzene-d4	12.191	152	213311	10.000	ug/L	0.00
Standard Area 1 = 223601			Recovery	=	95.40%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	124106	10.140	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.40%	
43) 1,2-Dichloroethane-d4	5.667	65	155773	12.431	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	124.31%	
60) Toluene-d8	7.636	98	467930	10.348	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.48%	
83) 4-Bromofluorobenzene	10.981	95	170625	9.698	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.98%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	116502	11.275	ug/L	99
3) Chloromethane	1.827	50	113540	11.764	ug/L	98
4) Vinyl chloride	1.877	62	117005	11.019	ug/L	99
5) Bromomethane	2.176	94	25536	3.507	ug/L	94
6) Chloroethane	2.275	64	84949	11.788	ug/L	95
7) Trichlorofluoromethane	2.425	101	161360	11.367	ug/L	99
8) Ethyl ether	2.717	74	59464	11.581	ug/L #	90
10) 1,1-Dichloroethene	2.909	96	98144	11.493	ug/L	85
11) Carbon disulfide	2.944	76	324980	12.565	ug/L	99
13) Iodomethane	3.051	142	18883	2.761	ug/L	97
15) Methylene chloride	3.464	84	113128	10.890	ug/L	86
17) Acetone	3.506	43	27829	13.787	ug/L	94
18) trans-1,2-Dichloroethene	3.613	96	107099	11.574	ug/L	89
20) Methyl tert-butyl ether	3.698	73	276314	10.252	ug/L #	88
23) 1,1-Dichloroethane	4.189	63	210916	12.889	ug/L	98
25) Acrylonitrile	4.246	53	30390	11.718	ug/L	96
27) Vinyl acetate	4.424	43	214051	12.267	ug/L #	93
28) cis-1,2-Dichloroethene	4.709	96	117662	10.923	ug/L	87
29) 2,2-Dichloropropane	4.801	77	157952	11.536	ug/L #	82
30) Bromochloromethane	4.901	128	53531	10.615	ug/L #	76

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A11.D
 Acq On : 11 Sep 2025 11:45 am
 Operator : GONZO:mjv
 Sample : WG2113862-6,31,10,10,,A1 (Sig #1); L2554658-01MS,31,10,10,,A1 (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 12 07:53:21 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NYTCL+Iodomethane - NYTSTD+IM

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32)	Chloroform	4.972	83	202010	11.997	ug/L	98
34)	Carbon tetrachloride	5.100	117	150251	11.173	ug/L	96
37)	1,1,1-Trichloroethane	5.164	97	171382	11.631	ug/L	95
39)	2-Butanone	5.263	43	36102	11.816	ug/L #	85
40)	1,1-Dichloropropene	5.285	75	144199	12.320	ug/L	96
41)	Benzene	5.526	78	437528	11.897	ug/L	96
44)	1,2-Dichloroethane	5.738	62	148428	12.312	ug/L	98
48)	Trichloroethene	6.126	95	117834	11.695	ug/L	97
50)	Dibromomethane	6.570	93	63260	10.395	ug/L	90
51)	1,2-Dichloropropane	6.669	63	111718	11.820	ug/L	96
54)	Bromodichloromethane	6.747	83	148659	11.131	ug/L	99
57)	1,4-Dioxane	6.958	88	43052	445.282	ug/L #	88
58)	cis-1,3-Dichloropropene	7.438	75	156082	9.980	ug/L #	91
61)	Toluene	7.692	92	264514	11.348	ug/L	97
62)	4-Methyl-2-pentanone	8.130	58	27741	9.753	ug/L #	72
63)	Tetrachloroethene	8.137	166	115041	10.671	ug/L	94
65)	trans-1,3-Dichloropropene	8.186	75	137346	10.213	ug/L	89
67)	Ethyl methacrylate	8.363	69	105804	9.716	ug/L	99
68)	1,1,2-Trichloroethane	8.370	83	77078	11.148	ug/L	94
69)	Chlorodibromomethane	8.581	129	108001	9.775	ug/L	99
70)	1,3-Dichloropropane	8.687	76	154666	11.487	ug/L	100
71)	1,2-Dibromoethane	8.856	107	87726	9.986	ug/L	99
72)	2-Hexanone	9.146	43	51392	10.887	ug/L #	86
73)	Chlorobenzene	9.498	112	311297	11.274	ug/L	97
74)	Ethylbenzene	9.534	91	503412	11.280	ug/L	99
75)	1,1,1,2-Tetrachloroethane	9.583	131	106971	10.076	ug/L	99
76)	p/m Xylene	9.717	106	396645	22.318	ug/L	95
77)	o Xylene	10.261	106	384729	21.590	ug/L	97
78)	Styrene	10.331	104	653643	21.377	ug/L	97
80)	Bromoform	10.359	173	65138	8.124	ug/L	99
82)	Isopropylbenzene	10.649	105	479261	11.035	ug/L	98
84)	Bromobenzene	11.094	156	133122	10.015	ug/L	99
85)	n-Propylbenzene	11.130	91	574105	11.560	ug/L	97
86)	1,4-Dichlorobutane	11.158	55	168897	11.897	ug/L	99
87)	1,1,2,2-Tetrachloroethane	11.229	83	114966	10.233	ug/L	100
88)	4-Ethyltoluene	11.257	105	473778	11.055	ug/L	98
89)	2-Chlorotoluene	11.300	91	360290	11.543	ug/L	97
90)	1,3,5-Trimethylbenzene	11.356	105	403792	10.813	ug/L	99
91)	1,2,3-Trichloropropane	11.370	75	92383	10.820	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A11.D
 Acq On : 11 Sep 2025 11:45 am
 Operator : GONZO:mjv
 Sample : WG2113862-6,31,10,10,,A1 (Sig #1); L2554658-01MS,31,10,10,,A1 (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 12 07:53:21 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NYTCL+Iodomethane - NYTSTD+IM

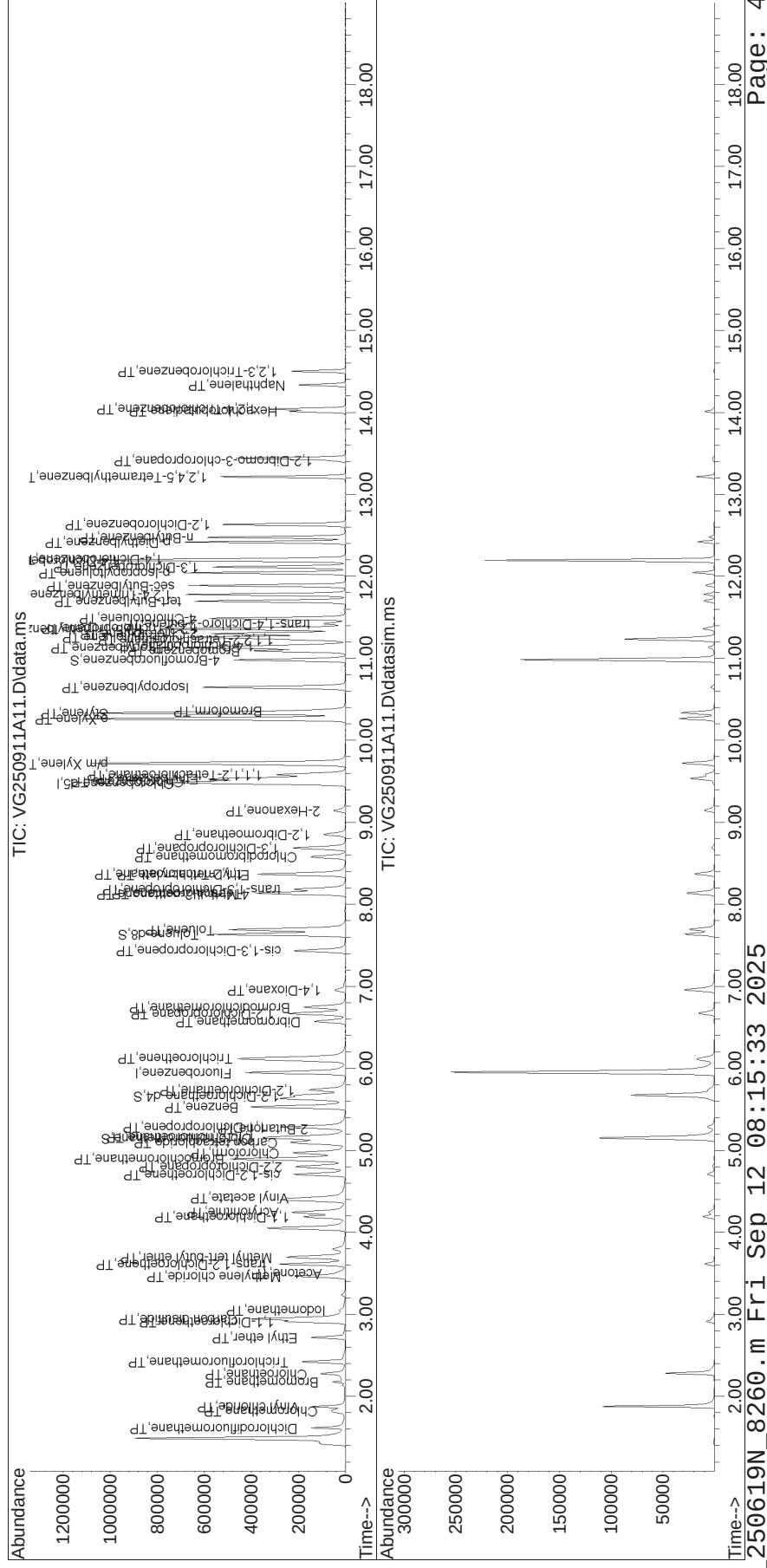
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	trans-1,4-Dichloro-2-b...	11.420	53	21247	6.779	ug/L	86
93)	4-Chlorotoluene	11.491	91	368795	11.234	ug/L	97
94)	tert-Butylbenzene	11.696	119	331201	10.681	ug/L	98
97)	1,2,4-Trimethylbenzene	11.781	105	395339	10.607	ug/L	99
98)	sec-Butylbenzene	11.887	105	478383	11.312	ug/L	99
99)	p-Isopropyltoluene	12.042	119	400681	10.534	ug/L	99
100)	1,3-Dichlorobenzene	12.113	146	250866	10.398	ug/L	99
101)	1,4-Dichlorobenzene	12.212	146	260014	10.495	ug/L	98
102)	p-Diethylbenzene	12.417	119	222611	9.895	ug/L	98
103)	n-Butylbenzene	12.474	91	330771	11.312	ug/L	98
104)	1,2-Dichlorobenzene	12.636	146	234363	10.171	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.216	119	277346	8.143	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.415	155	14284	6.975	ug/L	90
108)	Hexachlorobutadiene	14.016	225	43785	9.092	ug/L	99
109)	1,2,4-Trichlorobenzene	14.044	180	103432	7.929	ug/L	100
110)	Naphthalene	14.334	128	153855	5.665	ug/L	100
111)	1,2,3-Trichlorobenzene	14.504	180	70847	7.062	ug/L	99

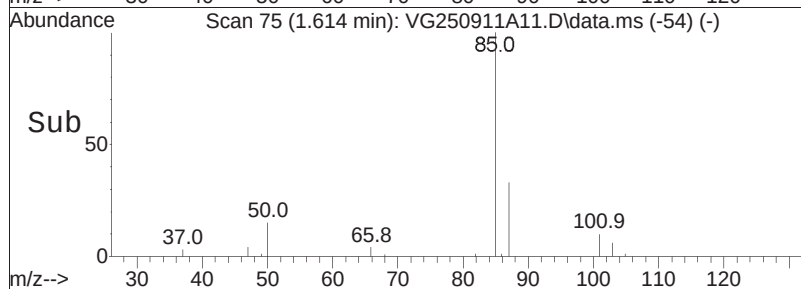
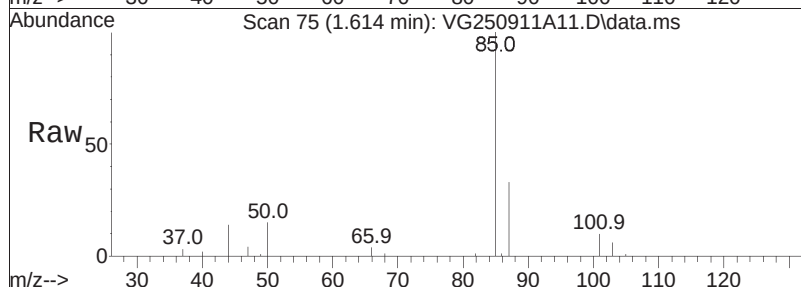
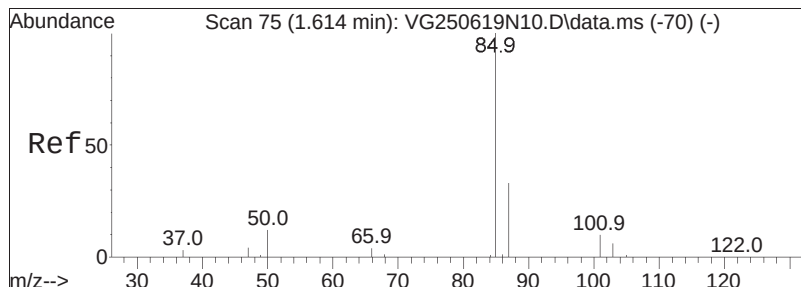
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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A1 (Sig #1); L2554658-01MS,31,10,10,,A1 (Sig #2)
ig #1); WG,ICAL22400 (Sig #2)
: 1
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250619N_8260.m

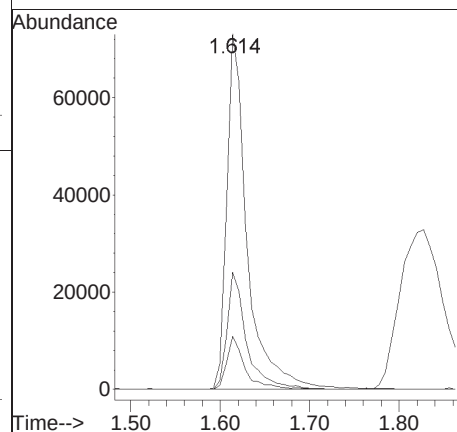
ANVT85D9IMA01.D•

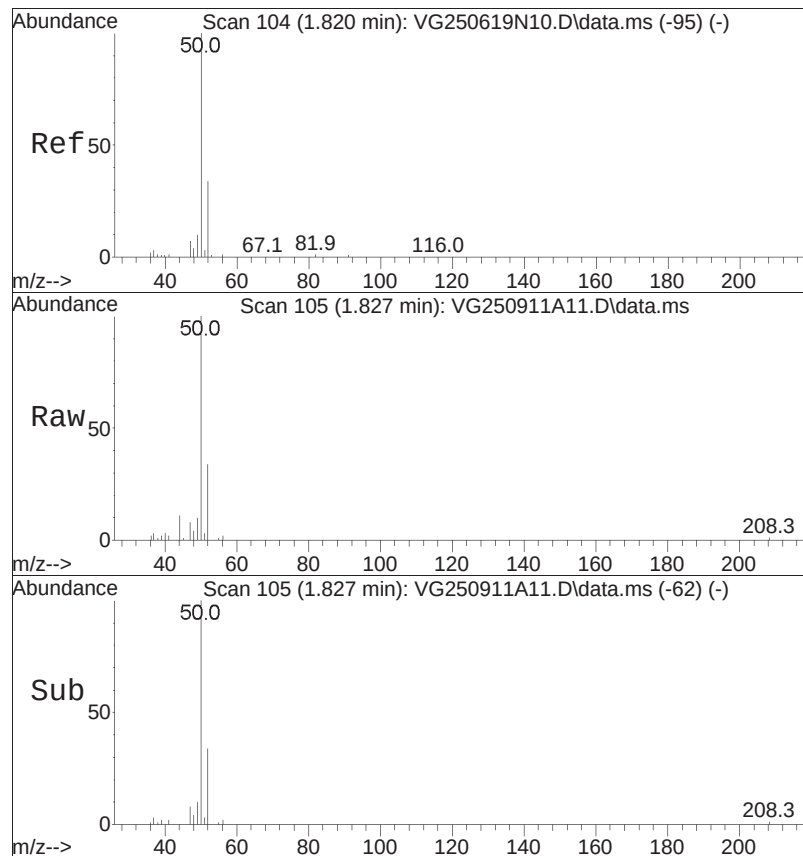




#2
 Dichlorodifluoromethane
 Concen: 11.27 ug/L
 RT: 1.614 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

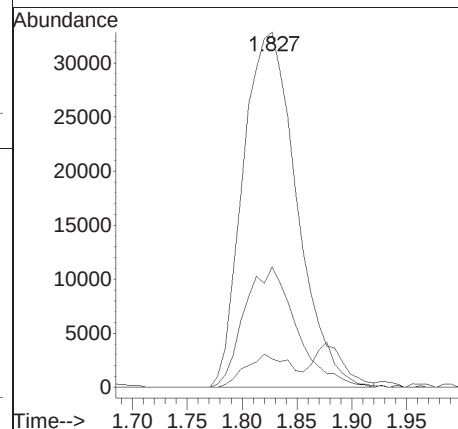
Tgt Ion	Ratio	Resp	Lower	Upper
85	100			
87	31.4	20.7	42.9	
50	13.5	8.1	16.7	

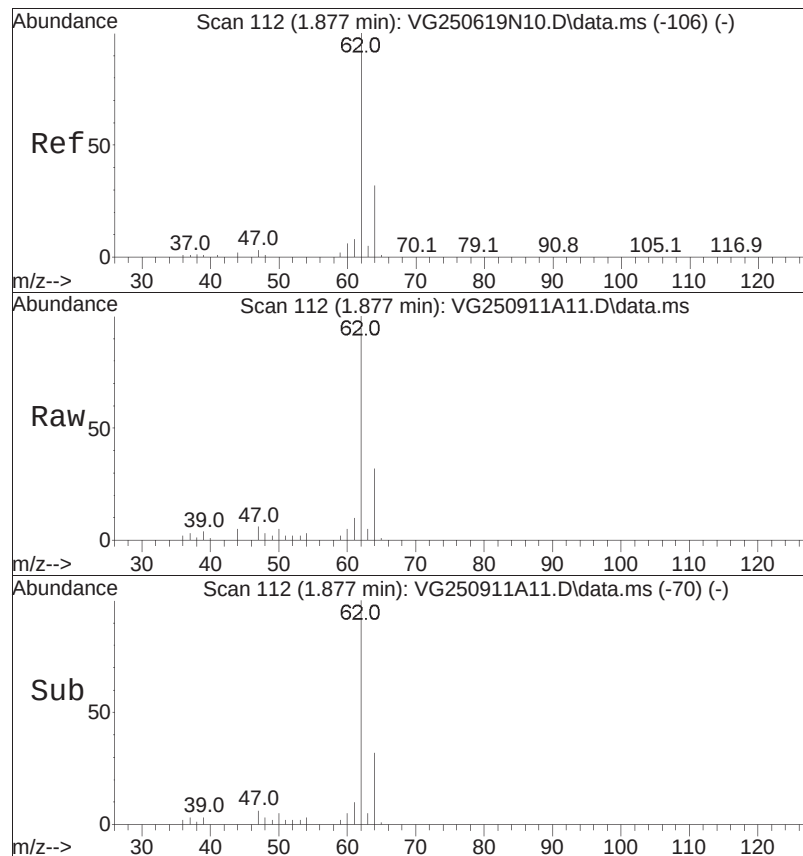




#3
 Chloromethane
 Concen: 11.76 ug/L
 RT: 1.827 min Scan# 105
 Delta R.T. 0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

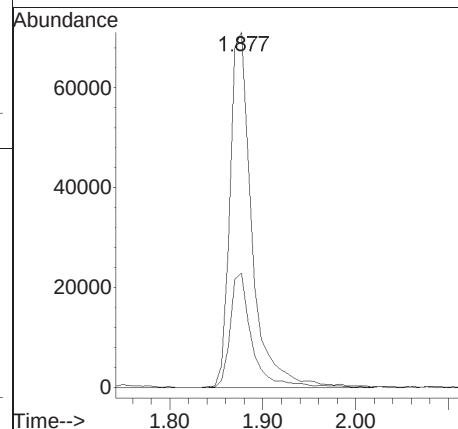
Tgt Ion:	50	Resp:	113540
Ion Ratio	Lower	Upper	
50	100		
52	32.4	11.6	51.6
47	7.8	0.0	26.4

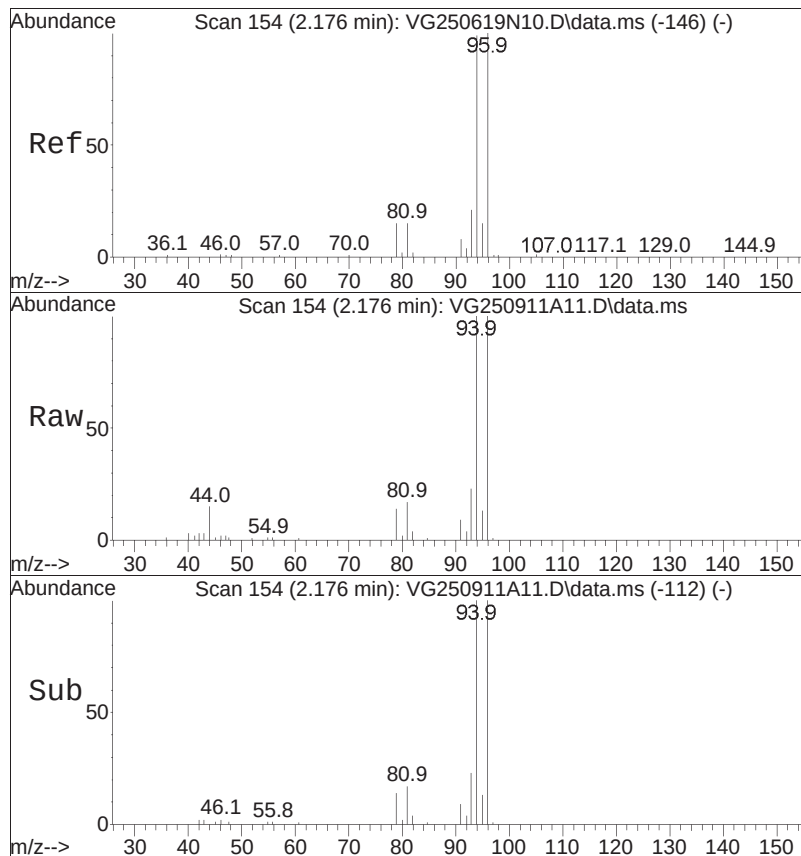




#4
 Vinyl chloride
 Concen: 11.02 ug/L
 RT: 1.877 min Scan# 112
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

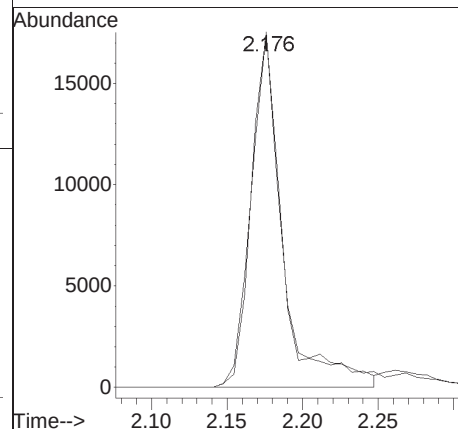
Tgt	Ion	Ratio	Lower	Upper
62	100			
64	31.8	11.5	51.5	

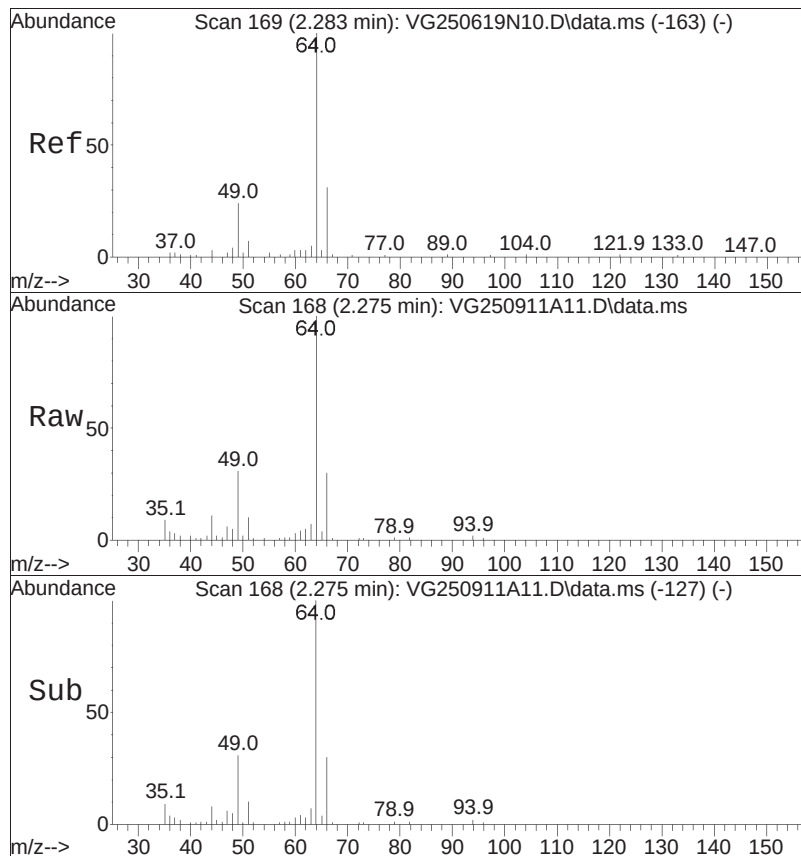




#5
 Bromomethane
 Concen: 3.51 ug/L
 RT: 2.176 min Scan# 154
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

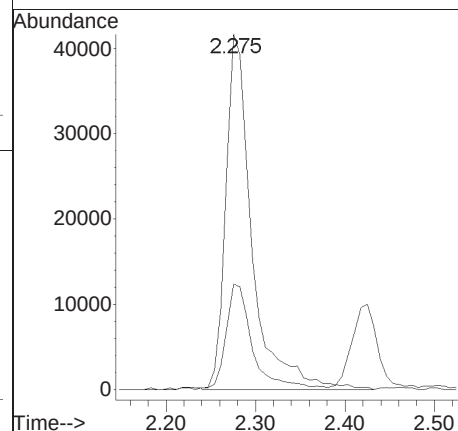
Tgt	Ion	Resp	Lower	Upper
94	100			
96	102.0	75.8	115.8	

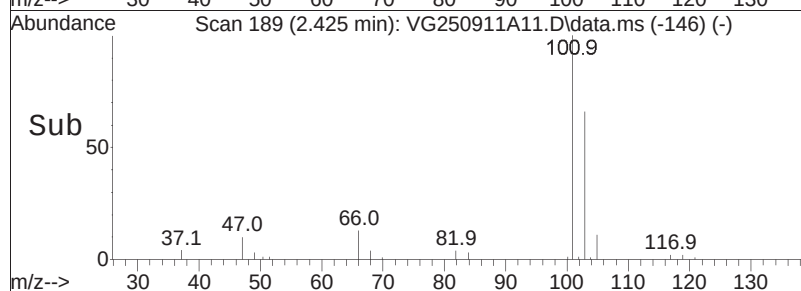
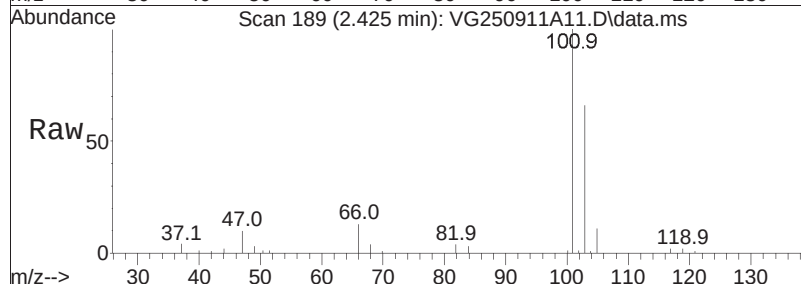
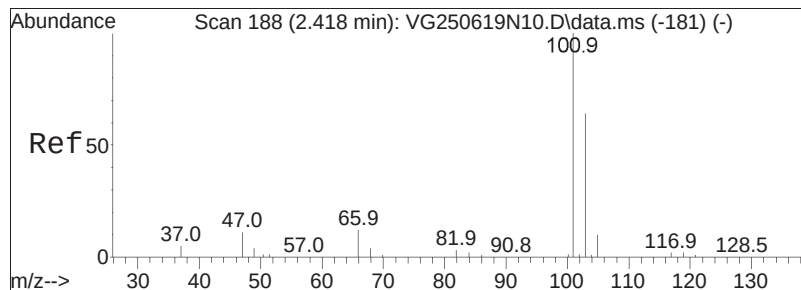




#6
 Chloroethane
 Concen: 11.79 ug/L
 RT: 2.275 min Scan# 168
 Delta R.T. -0.008 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.0	12.9	52.9





#7

Trichlorofluoromethane

Concen: 11.37 ug/L

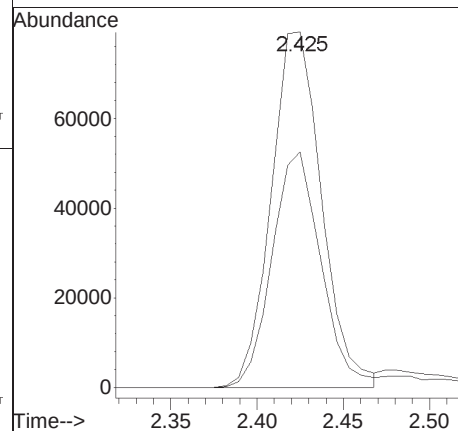
RT: 2.425 min Scan# 189

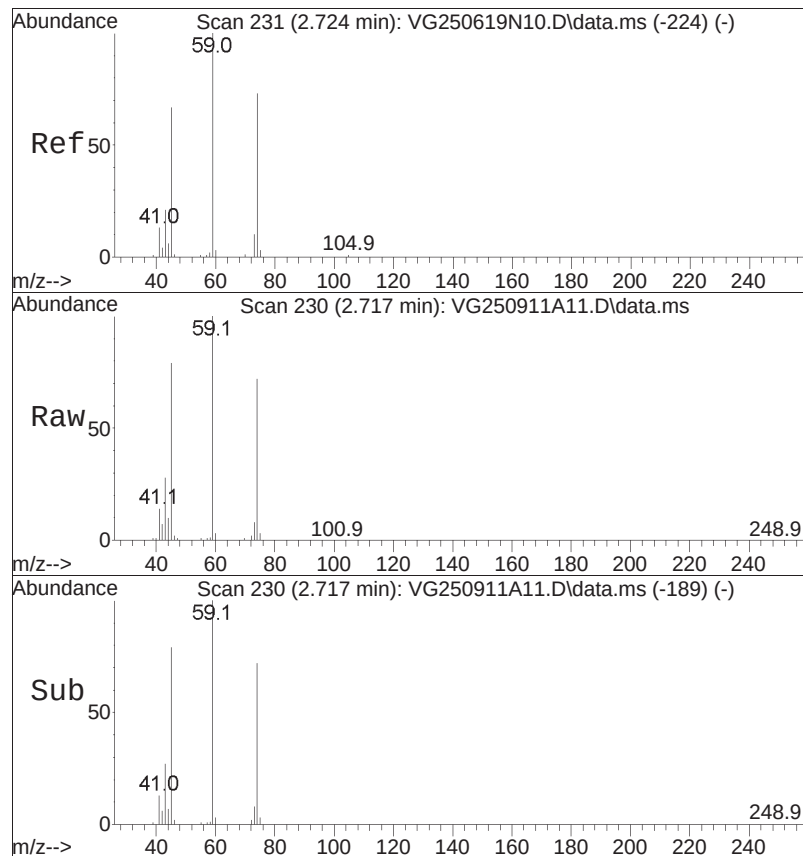
Delta R.T. 0.007 min

Lab File: VG250911A11.D

Acq: 11 Sep 2025 11:45 am

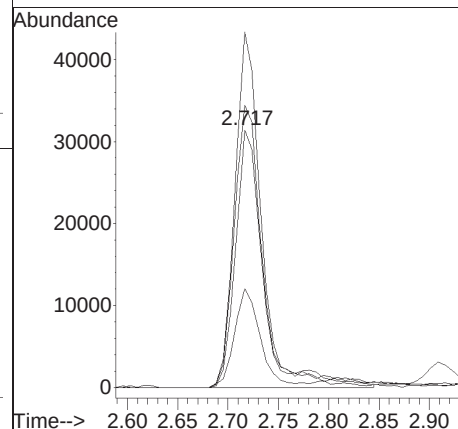
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	103	64.2	52.2	78.2

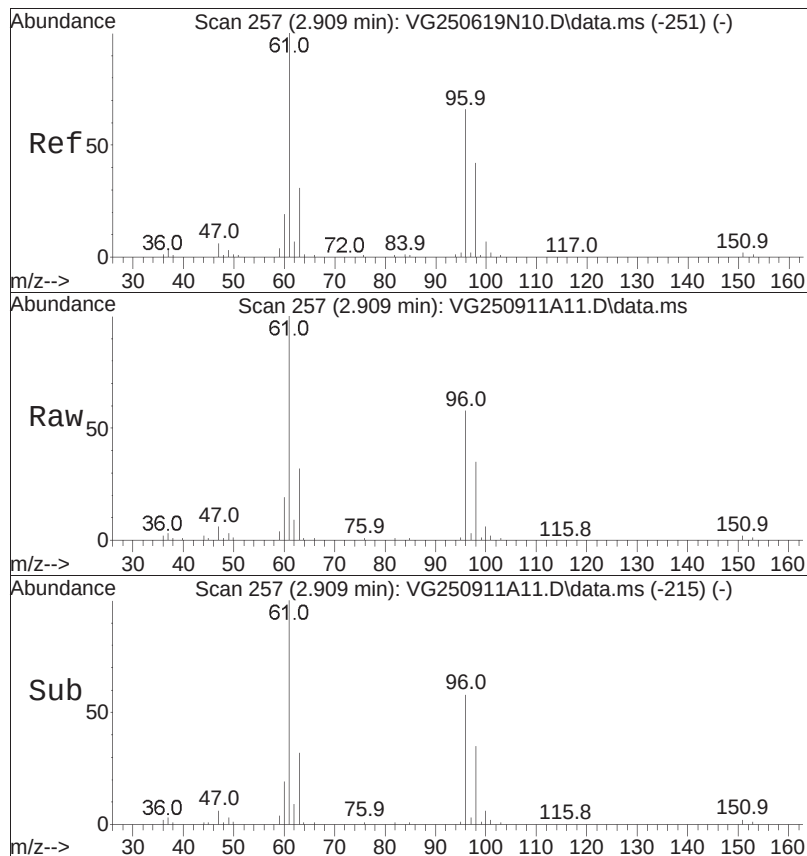




#8
 Ethyl ether
 Concen: 11.58 ug/L
 RT: 2.717 min Scan# 230
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

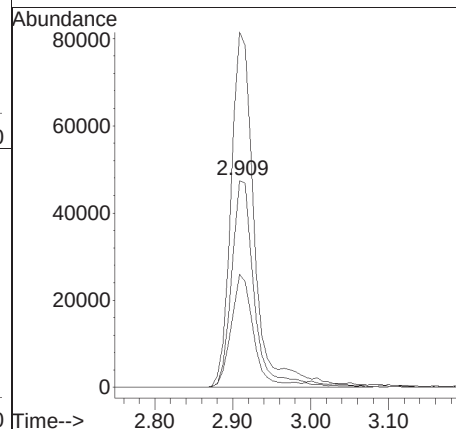
Tgt Ion:	74	Resp:	59464
Ion Ratio	Lower	Upper	
74	100		
59	127.6	86.5	179.7
45	110.3	62.3	129.5
43	35.9	16.4	34.2#

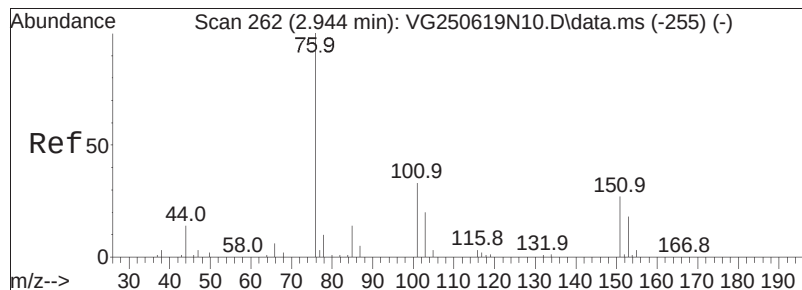




#10
 1,1-Dichloroethene
 Concen: 11.49 ug/L
 RT: 2.909 min Scan# 257
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt Ion:	96	Resp:	98144
Ion Ratio	Lower	Upper	
96	100		
61	174.4	121.1	181.7
63	52.2	38.5	57.7





#11

Carbon disulfide

Concen: 12.56 ug/L

RT: 2.944 min Scan# 262

Delta R.T. 0.000 min

Lab File: VG250911A11.D

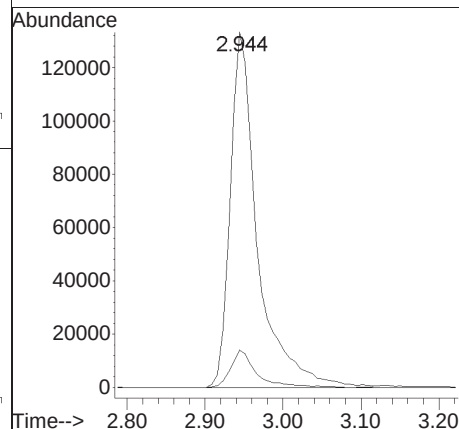
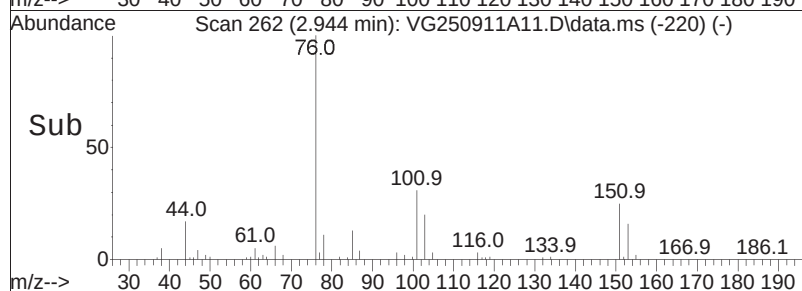
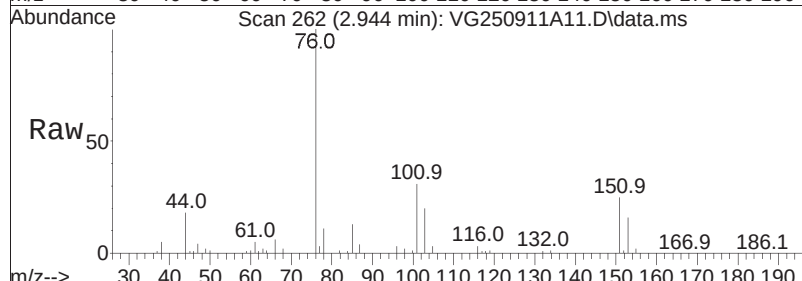
Acq: 11 Sep 2025 11:45 am

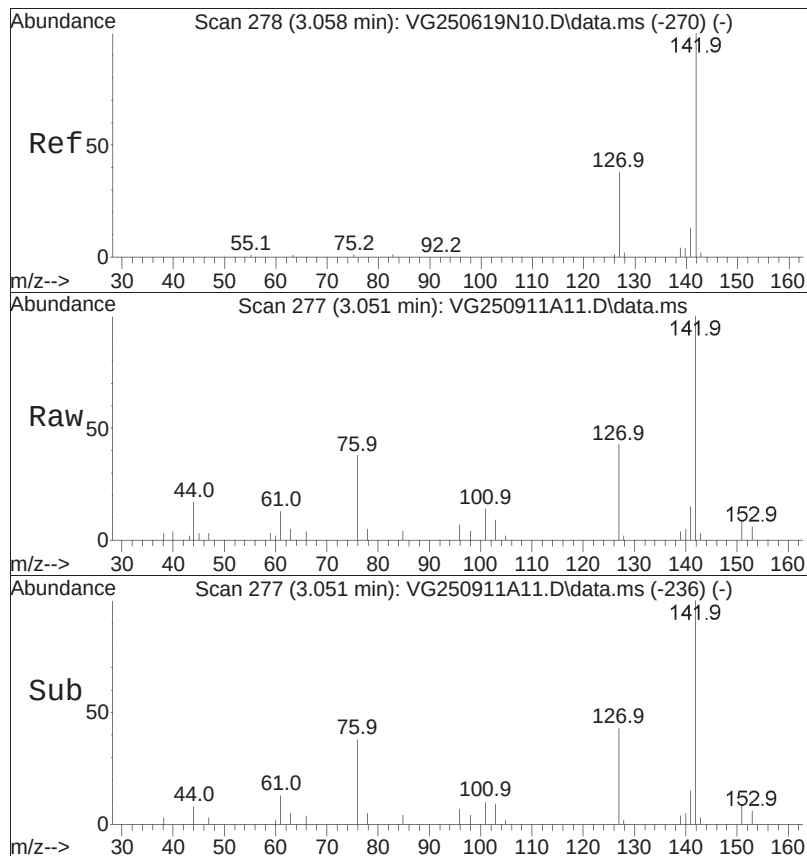
Tgt Ion: 76 Resp: 324980

Ion Ratio Lower Upper

76 100

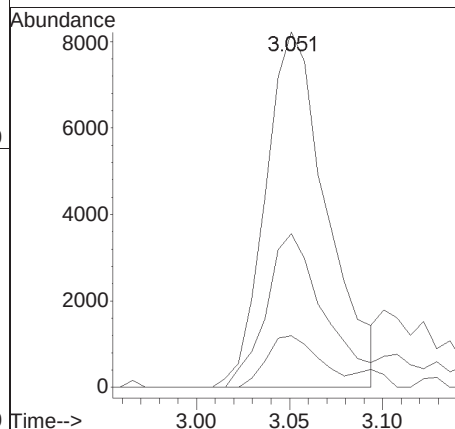
78 9.9 6.3 13.1

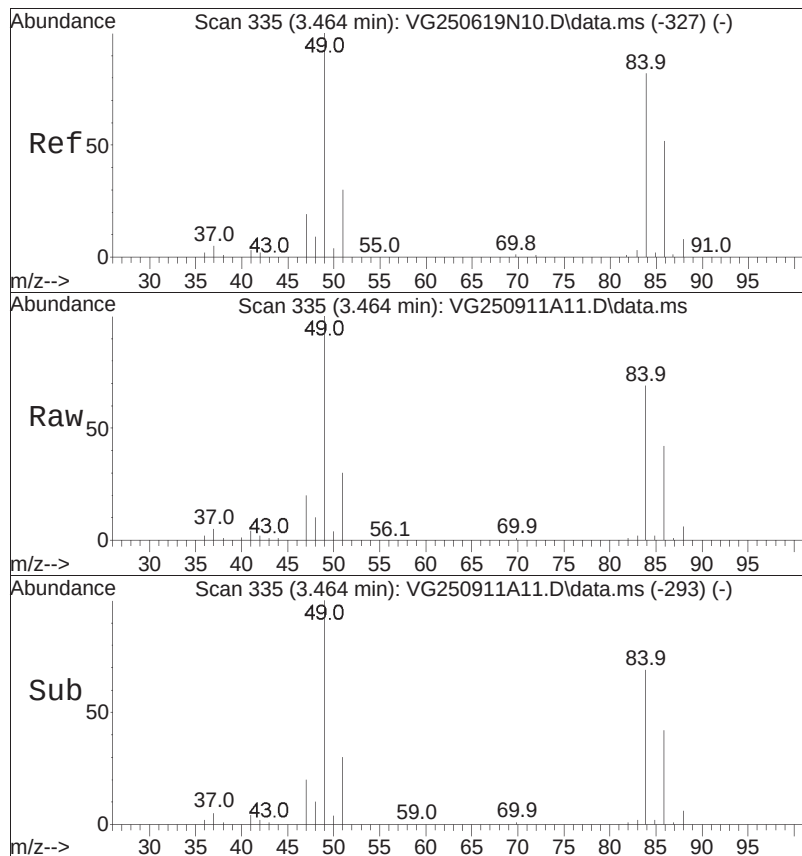




#13
 Iodomethane
 Concen: 2.76 ug/L
 RT: 3.051 min Scan# 277
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

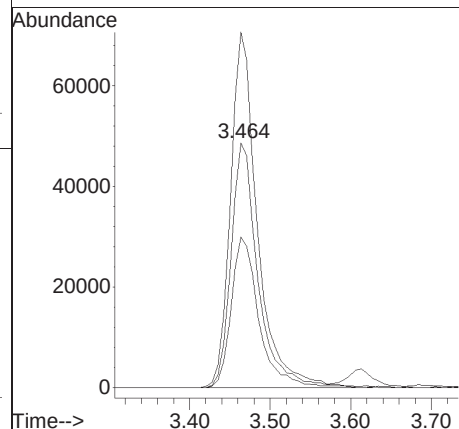
Tgt Ion:	142	Resp:	18883
Ion Ratio	Lower	Upper	
142	100		
127	41.3	25.5	53.1
141	12.5	9.0	18.8

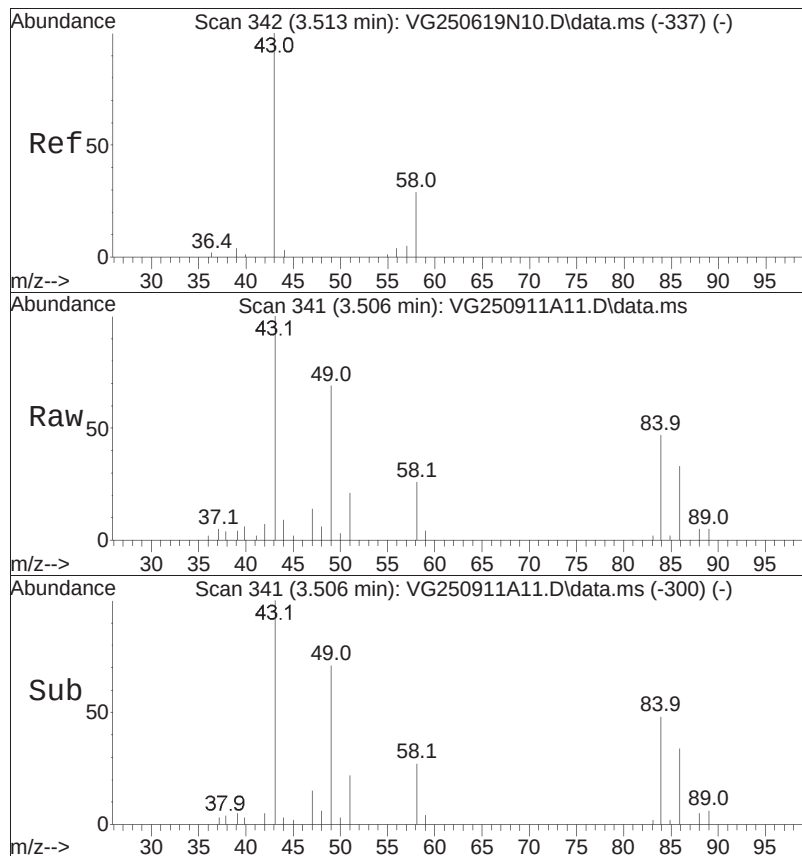




#15
Methylene chloride
Concen: 10.89 ug/L
RT: 3.464 min Scan# 335
Delta R.T. -0.000 min
Lab File: VG250911A11.D
Acq: 11 Sep 2025 11:45 am

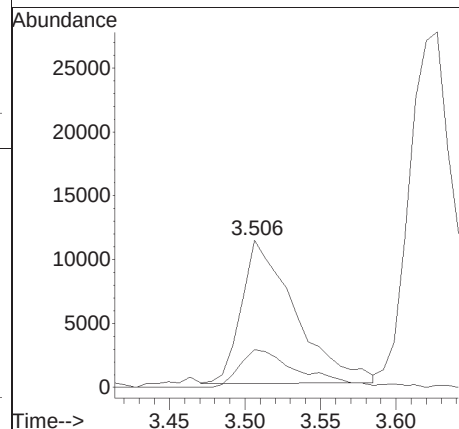
Tgt	Ion	Resp	Lower	Upper
84	100			
86	62.6	41.7	86.7	
49	143.6	78.6	163.3	

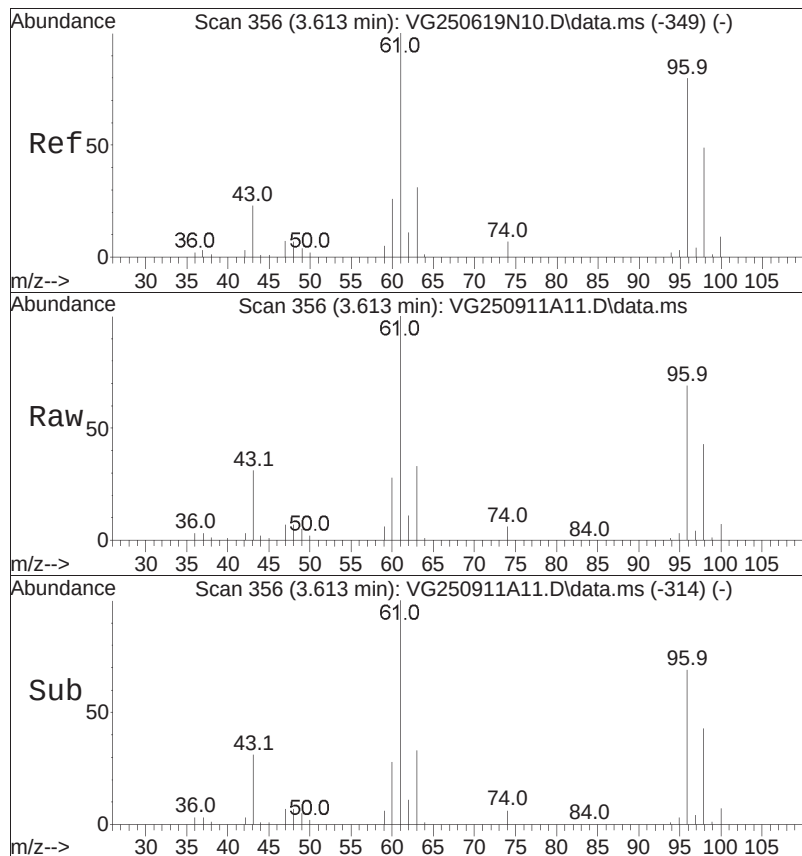




#17
 Acetone
 Concen: 13.79 ug/L
 RT: 3.506 min Scan# 341
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

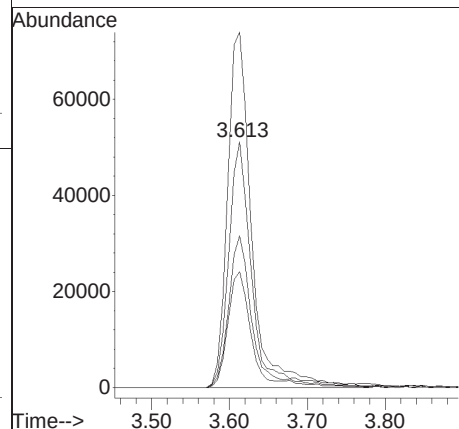
Tgt	Ion	Resp	Lower	Upper
43	100	27829		
58	29.6	26.2	39.2	

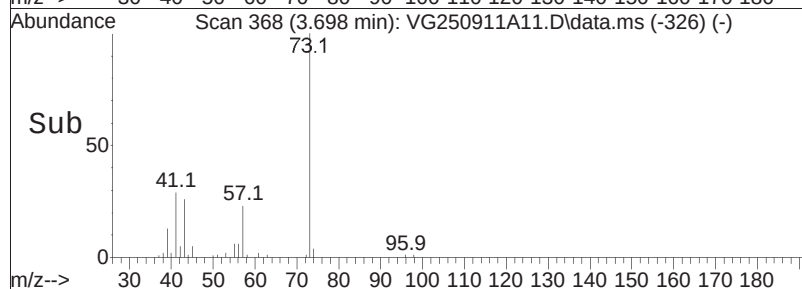
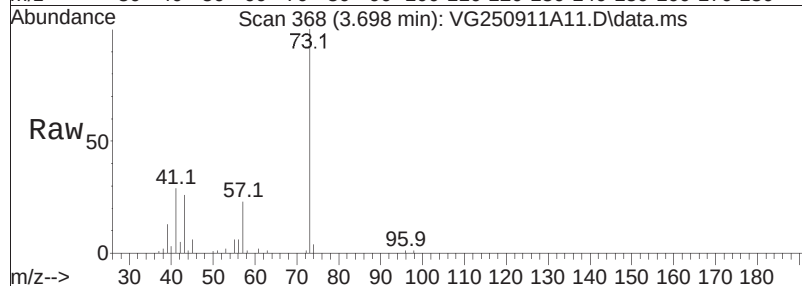
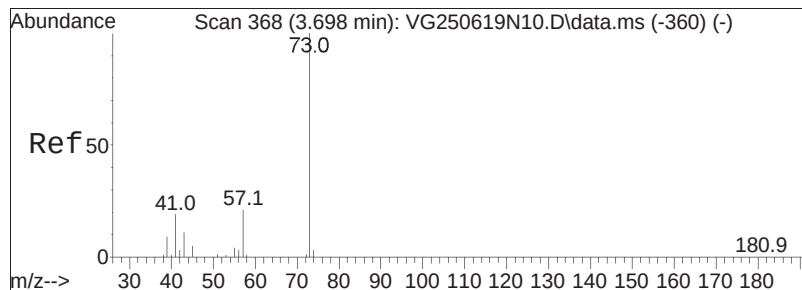




#18
 trans-1,2-Dichloroethene
 Concen: 11.57 ug/L
 RT: 3.613 min Scan# 356
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt	Ion: 96	Resp:	107099
Ion	Ratio	Lower	Upper
96	100		
61	148.2	85.7	177.9
98	63.5	42.8	88.8
63	48.1	26.5	55.1





#20

Methyl tert-butyl ether

Concen: 10.25 ug/L

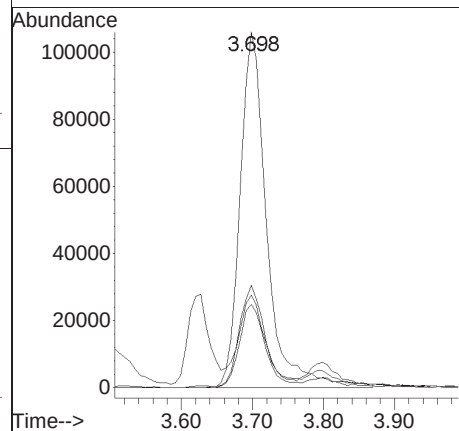
RT: 3.698 min Scan# 368

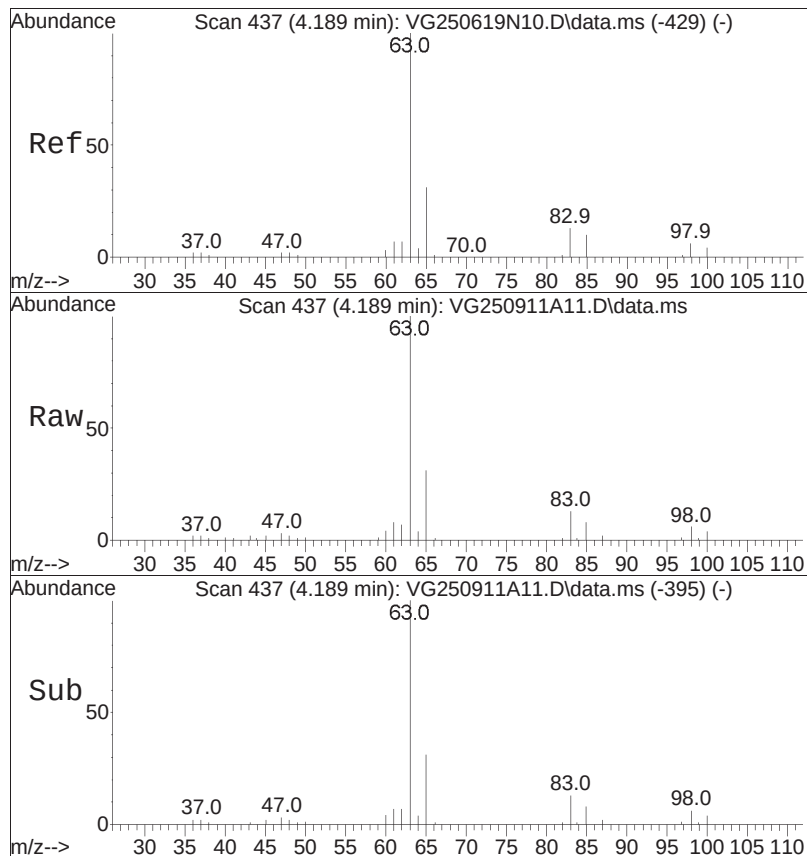
Delta R.T. 0.000 min

Lab File: VG250911A11.D

Acq: 11 Sep 2025 11:45 am

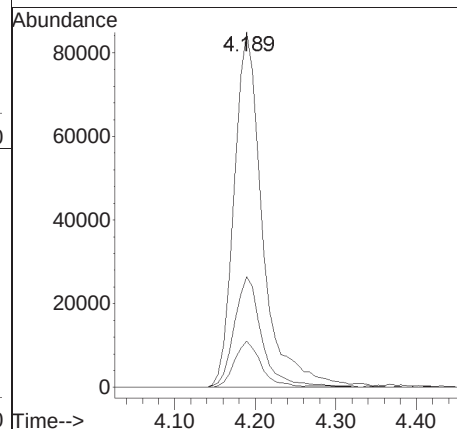
Tgt Ion:	73	Resp:	276314
Ion Ratio	Lower	Upper	
73	100		
57	22.7	13.1	27.3
43	27.0	14.1	29.3
41	27.2	11.7	24.3#

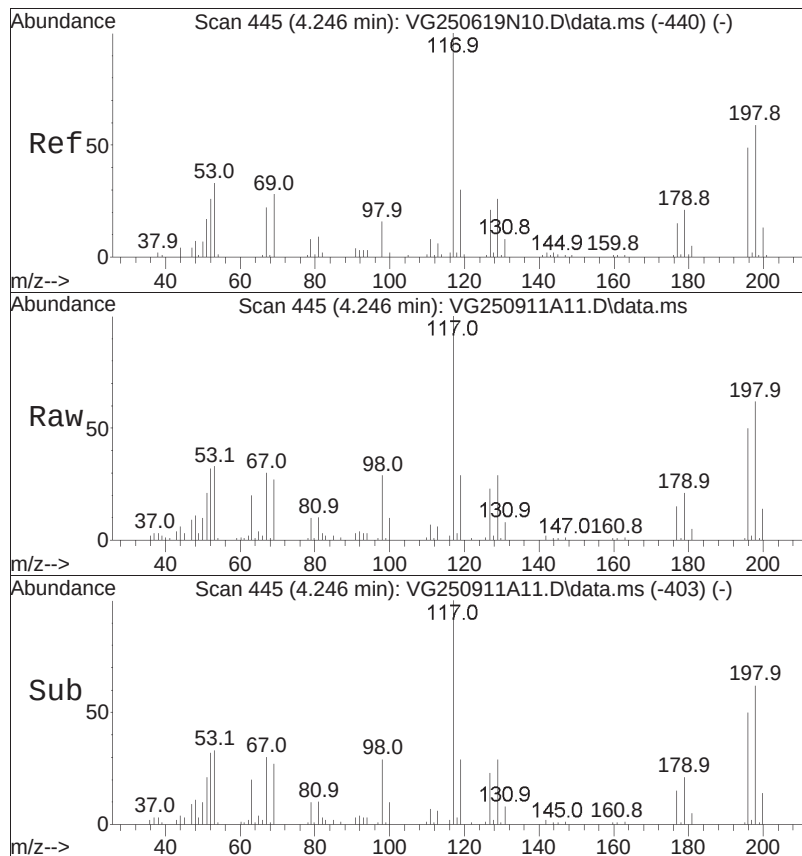




#23
 1,1-Dichloroethane
 Concen: 12.89 ug/L
 RT: 4.189 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

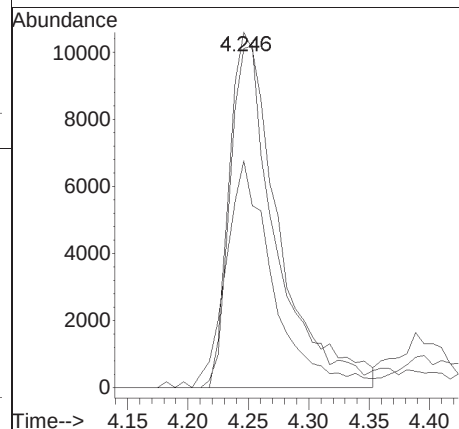
Tgt Ion:	63	Resp:	210916
Ion Ratio	Lower	Upper	
63	100		
65	30.3	9.7	49.7
83	12.1	0.0	33.1

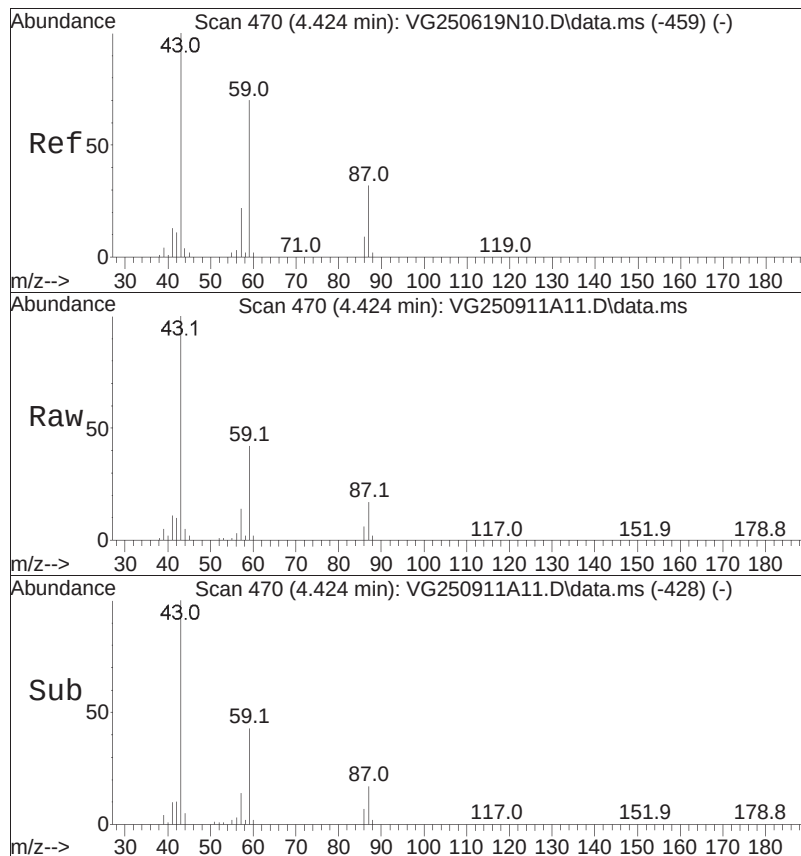




#25
 Acrylonitrile
 Concen: 11.72 ug/L
 RT: 4.246 min Scan# 445
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

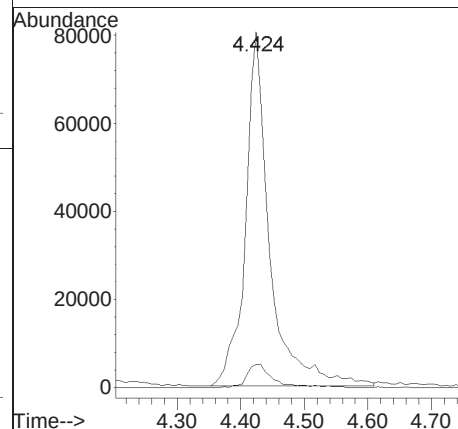
Tgt Ion: 53	Resp: 30390
Ion Ratio	Lower Upper
53 100	
52 88.7	68.2 102.4
51 60.6	45.4 68.0

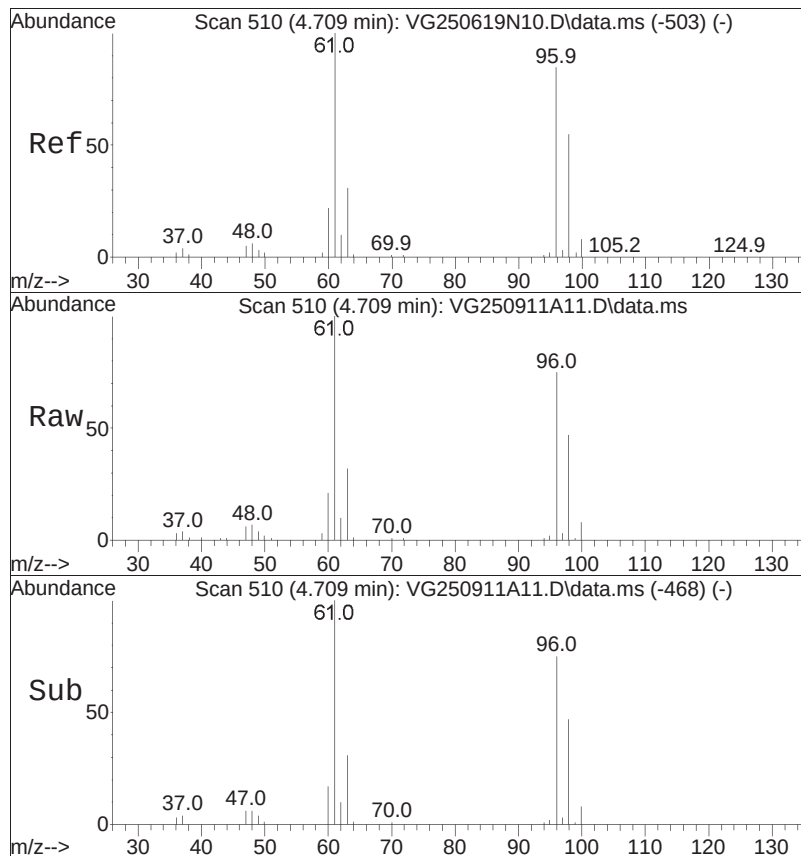




#27
 Vinyl acetate
 Concen: 12.27 ug/L
 RT: 4.424 min Scan# 470
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

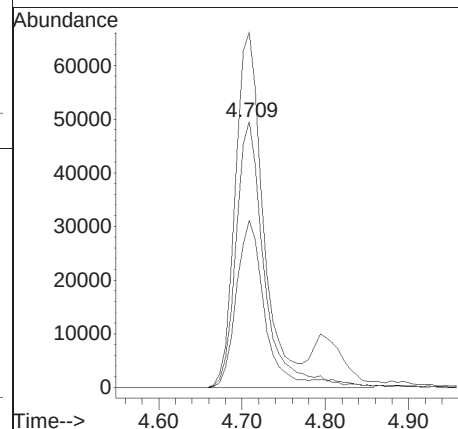
Tgt	Ion	Ratio	Lower	Upper
43	100			
86	6.6	7.2	10.8	

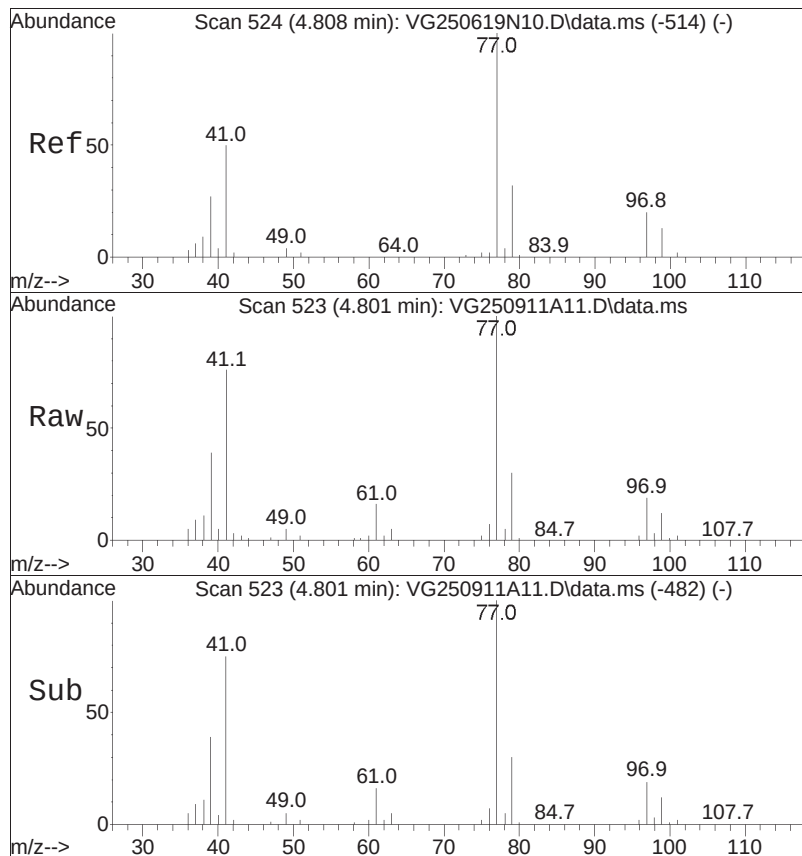




#28
 cis-1,2-Dichloroethene
 Concen: 10.92 ug/L
 RT: 4.709 min Scan# 510
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

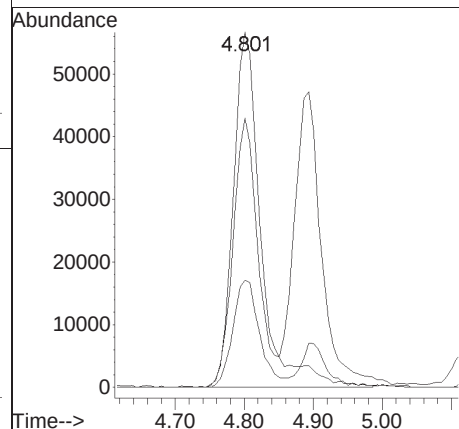
Tgt Ion:	96	Resp:	117662
Ion Ratio	Lower	Upper	
96	100		
61	129.5	87.4	131.2
98	61.0	47.5	71.3

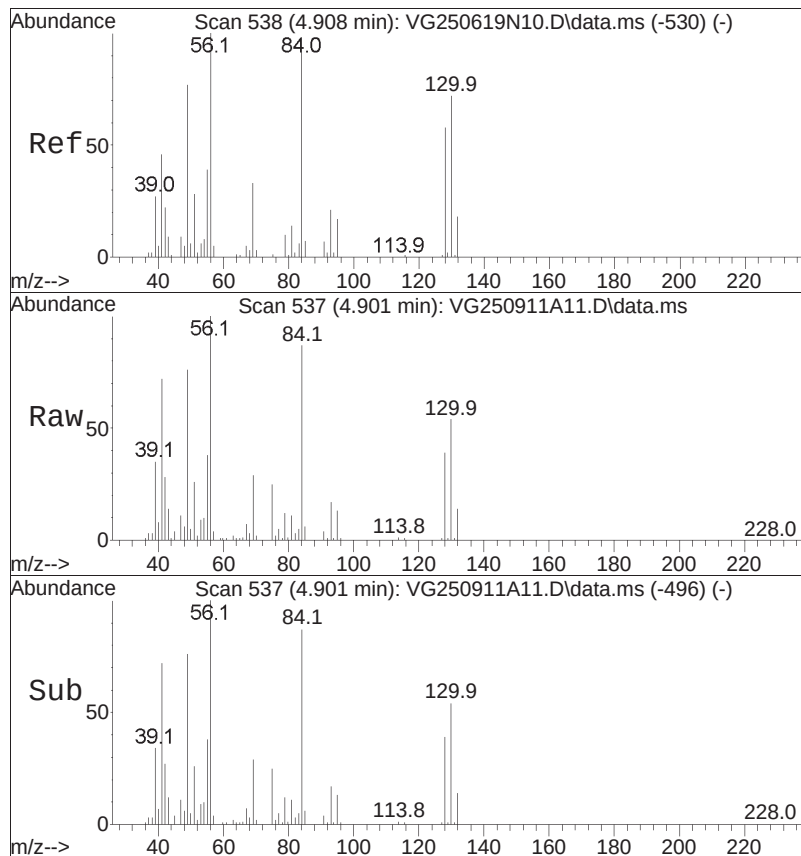




#29
 2,2-Dichloropropane
 Concen: 11.54 ug/L
 RT: 4.801 min Scan# 523
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

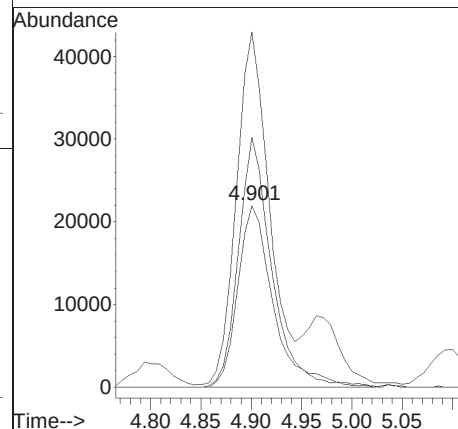
Tgt Ion:	77	Resp:	157952
Ion Ratio	Lower	Upper	
77	100		
41	68.7	32.2	66.8#
79	29.3	19.5	40.5

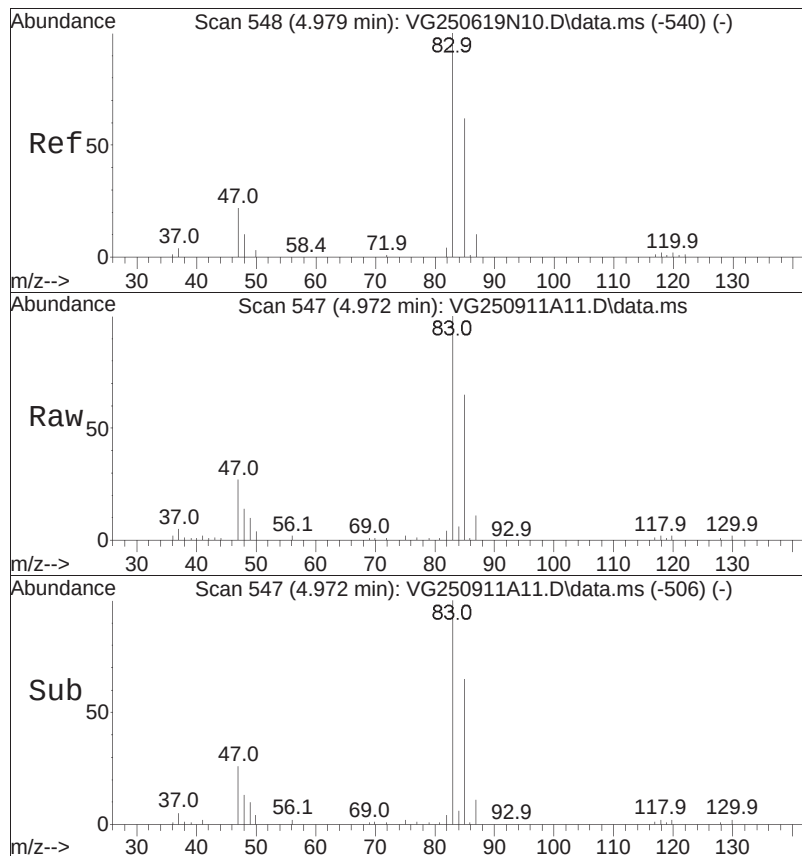




#30
 Bromochloromethane
 Concen: 10.62 ug/L
 RT: 4.901 min Scan# 537
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

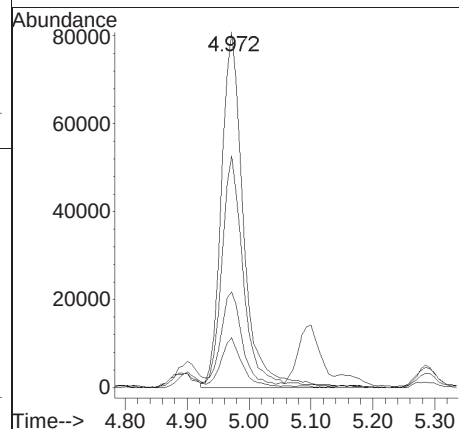
Tgt Ion:	128	Resp:	53531
Ion Ratio	Lower	Upper	
128	100		
49	180.9	105.7	158.5#
130	131.5	100.9	151.3

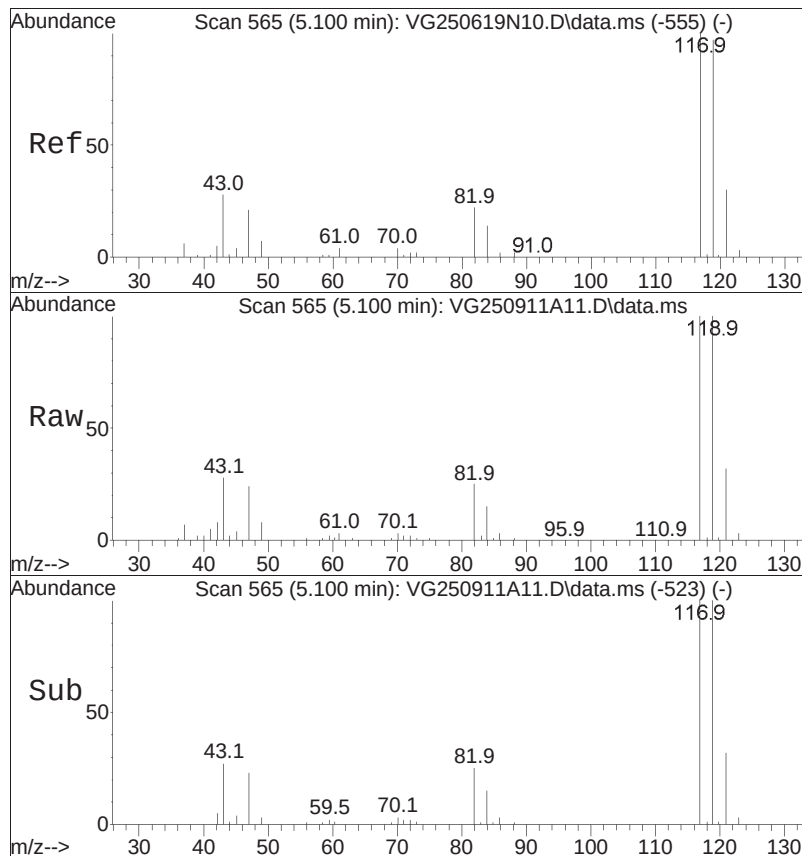




#32
 Chloroform
 Concen: 12.00 ug/L
 RT: 4.972 min Scan# 547
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

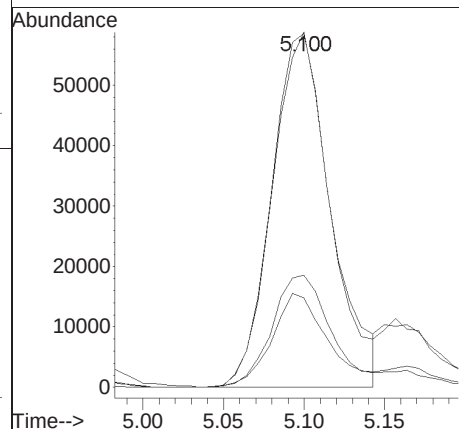
Tgt Ion:	83	Resp:	202010
Ion	Ratio	Lower	Upper
83	100		
85	63.0	40.8	84.6
47	24.0	13.5	28.1
48	13.3	7.2	15.0

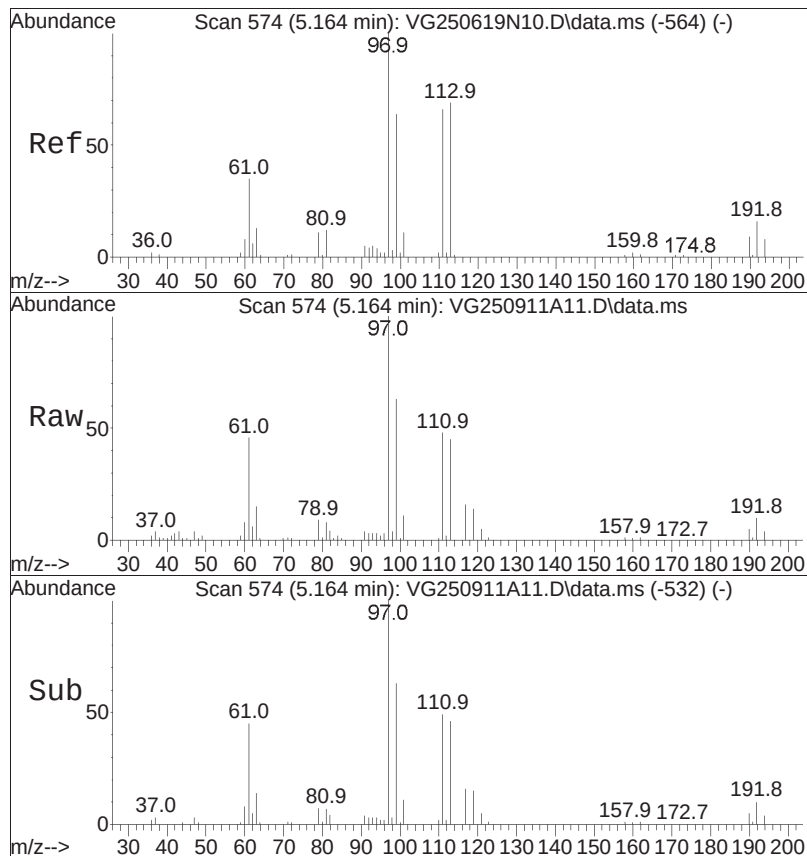




#34
 Carbon tetrachloride
 Concen: 11.17 ug/L
 RT: 5.100 min Scan# 565
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

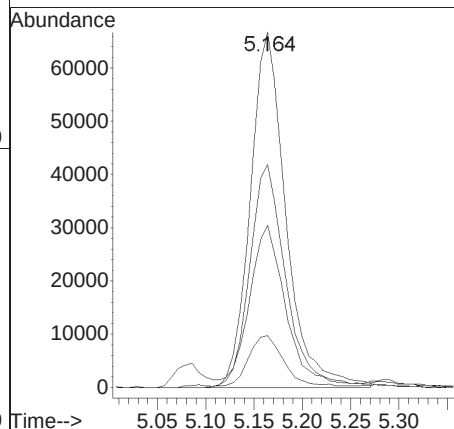
Tgt	Ion:117	Resp:	150251
Ion	Ratio	Lower	Upper
117	100		
119	97.3	60.6	125.8
121	31.6	19.9	41.3
82	25.4	13.8	28.8

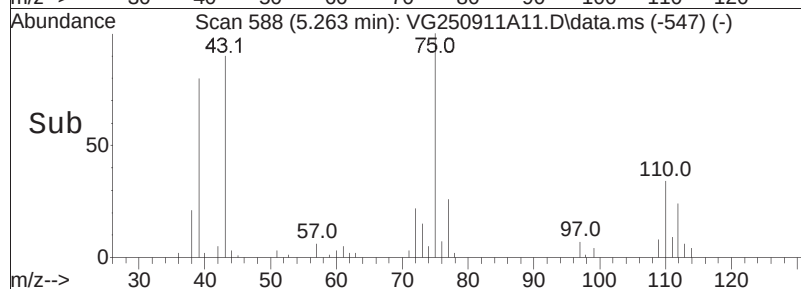
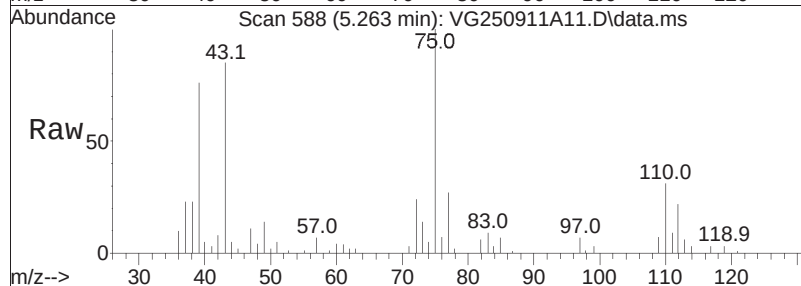
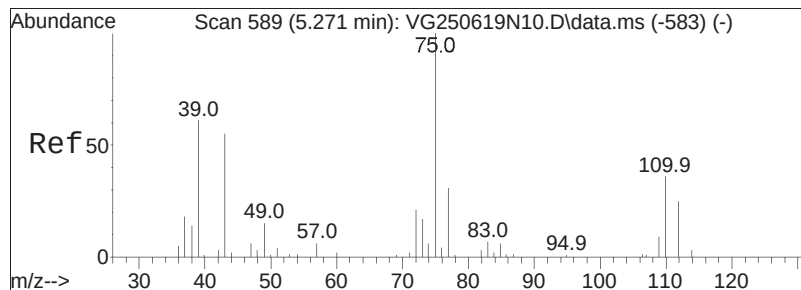




#37
 1,1,1-Trichloroethane
 Concen: 11.63 ug/L
 RT: 5.164 min Scan# 574
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt Ion:	97	Resp:	171382
Ion	Ratio	Lower	Upper
97	100		
99	64.1	41.0	85.0
61	47.0	26.7	55.4
63	14.8	8.6	17.8





#39

2-Butanone

Concen: 11.82 ug/L

RT: 5.263 min Scan# 588

Delta R.T. -0.007 min

Lab File: VG250911A11.D

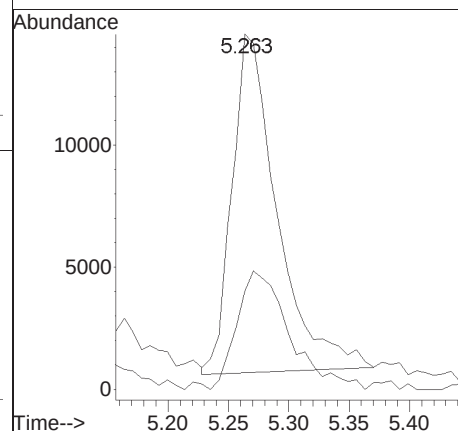
Acq: 11 Sep 2025 11:45 am

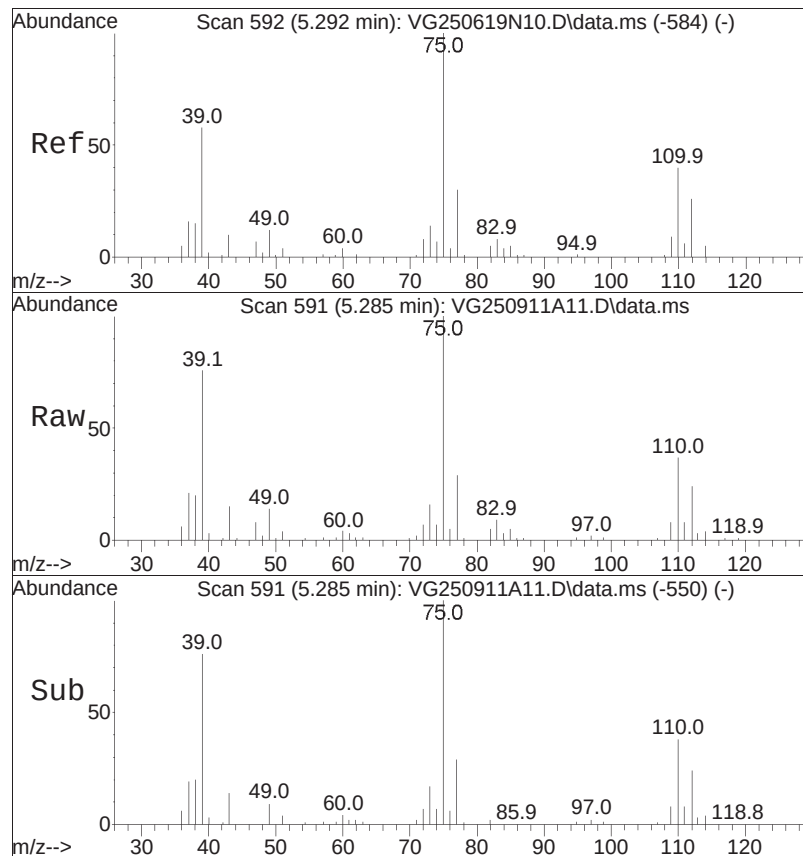
Tgt Ion: 43 Resp: 36102

Ion Ratio Lower Upper

43 100

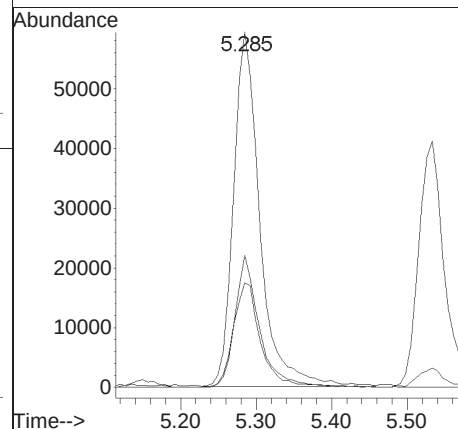
72 41.1 41.3 61.9#

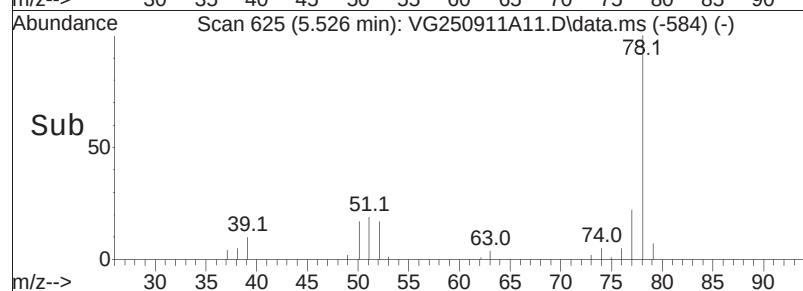
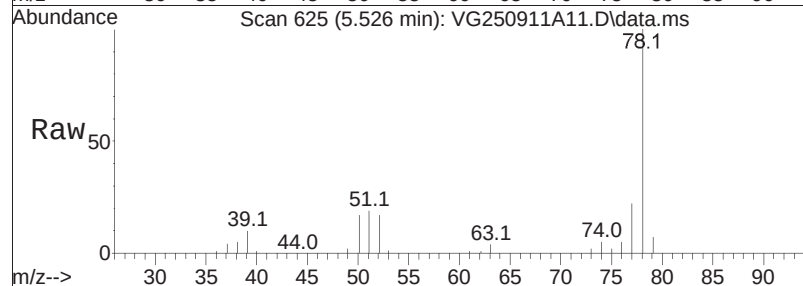
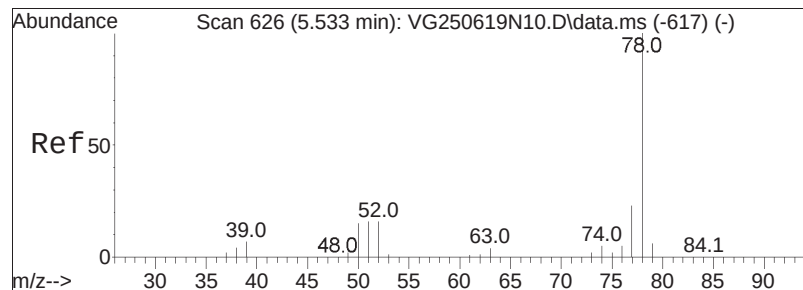




#40
 1,1-Dichloropropene
 Concen: 12.32 ug/L
 RT: 5.285 min Scan# 591
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt	Ion: 75	Resp:	144199
Ion	Ratio	Lower	Upper
75	100		
110	35.2	25.5	53.1
77	30.1	19.7	40.9





#41

Benzene

Concen: 11.90 ug/L

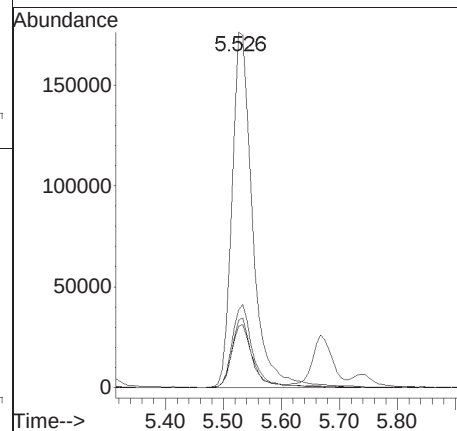
RT: 5.526 min Scan# 625

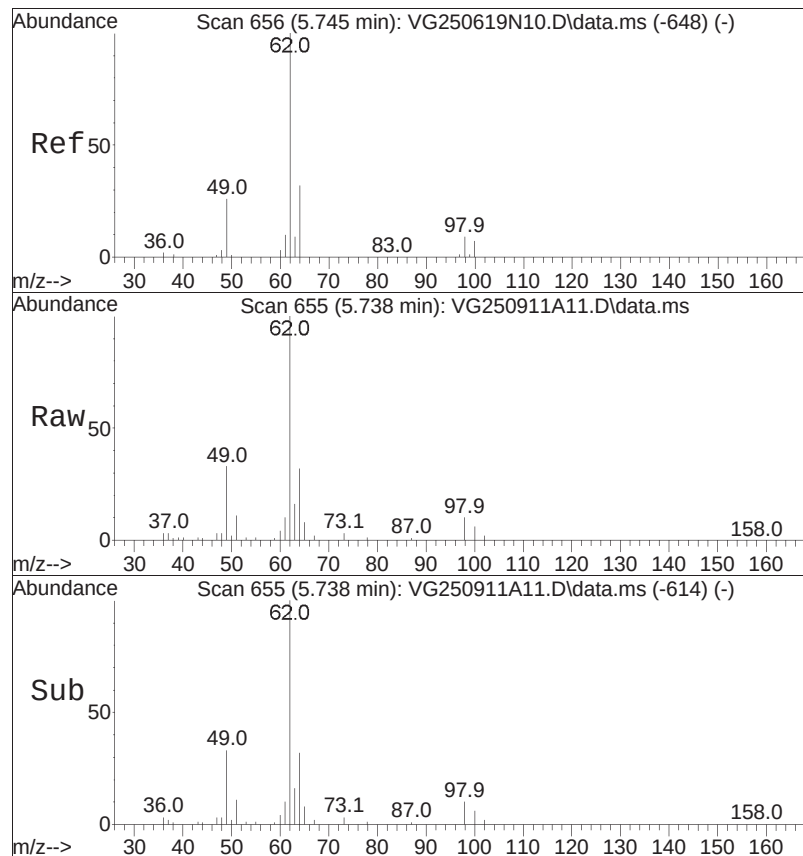
Delta R.T. -0.007 min

Lab File: VG250911A11.D

Acq: 11 Sep 2025 11:45 am

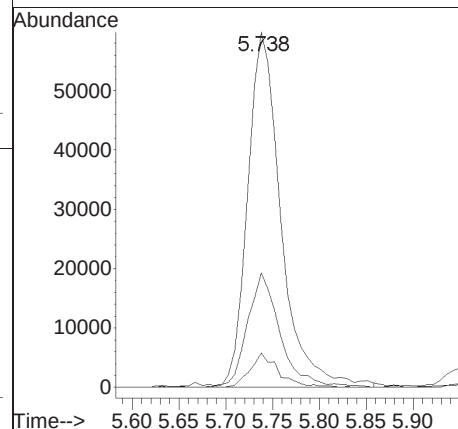
Tgt Ion:	78	Resp:	437528
Ion	Ratio	Lower	Upper
78	100		
77	23.1	15.1	31.3
51	18.8	10.3	21.3
52	17.9	9.9	20.7

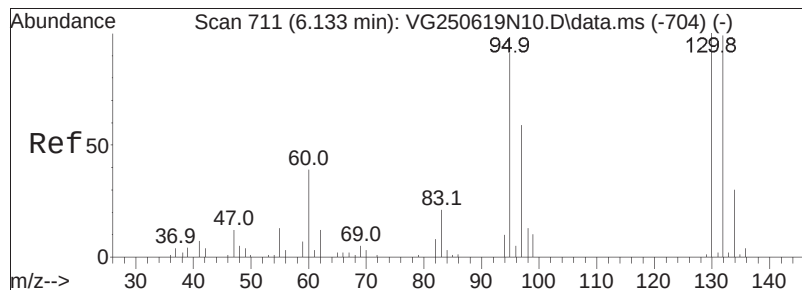




#44
 1,2-Dichloroethane
 Concen: 12.31 ug/L
 RT: 5.738 min Scan# 655
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt Ion:	62	Resp:	148428
Ion Ratio	Lower	Upper	
62	100		
64	31.6	10.9	50.9
98	8.4	0.0	29.9





#48

Trichloroethene

Concen: 11.70 ug/L

RT: 6.126 min Scan# 710

Delta R.T. -0.007 min

Lab File: VG250911A11.D

Acq: 11 Sep 2025 11:45 am

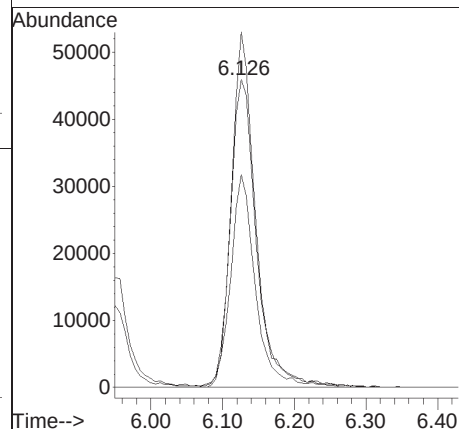
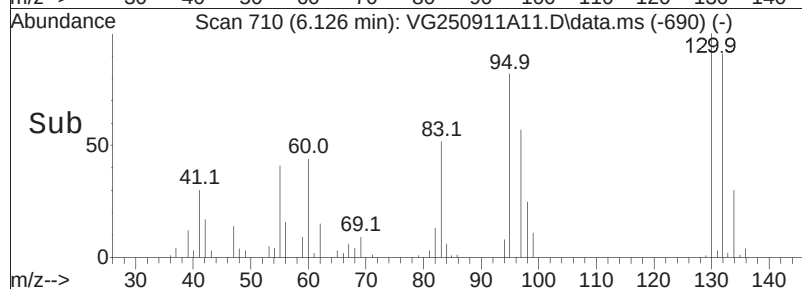
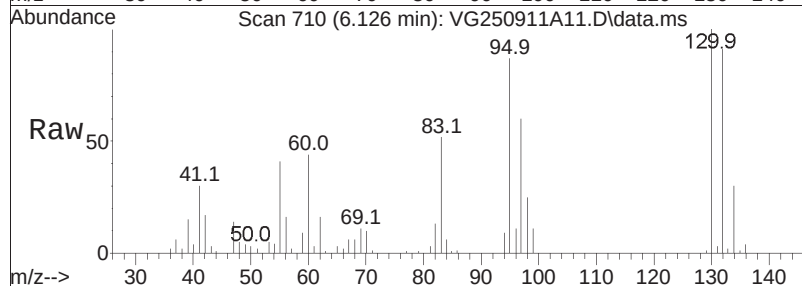
Tgt Ion: 95 Resp: 117834

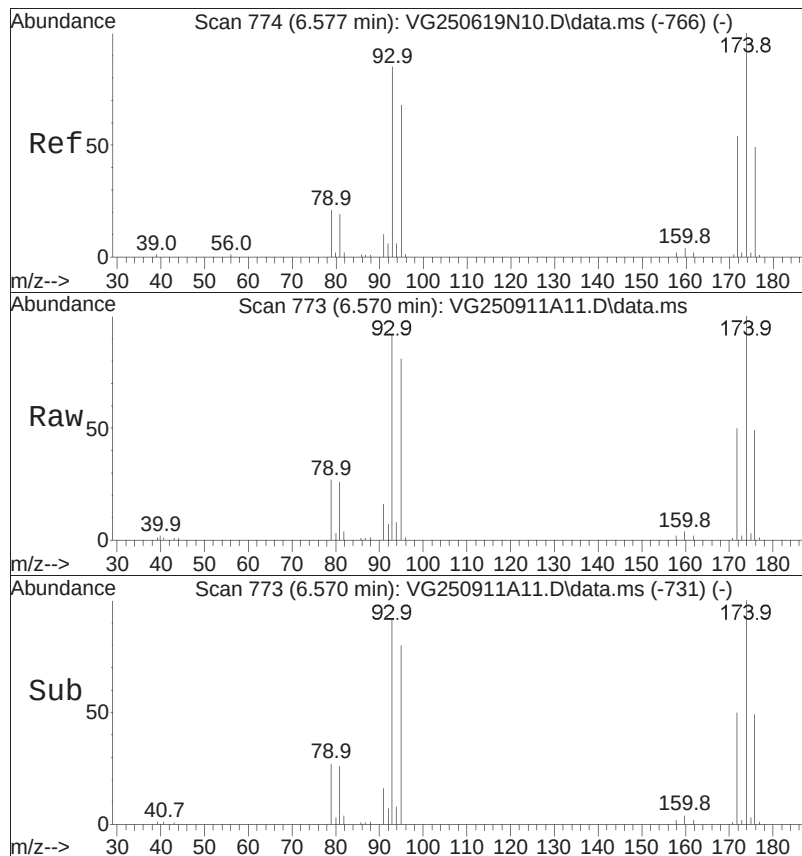
Ion Ratio Lower Upper

95 100

97 64.1 53.8 80.6

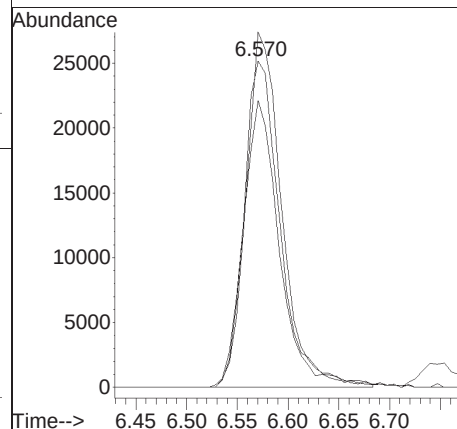
130 106.4 87.0 130.6

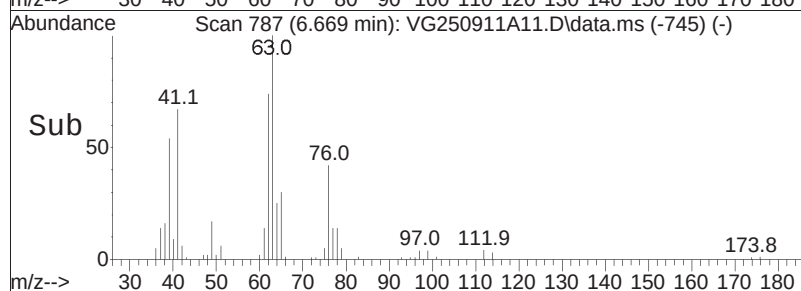
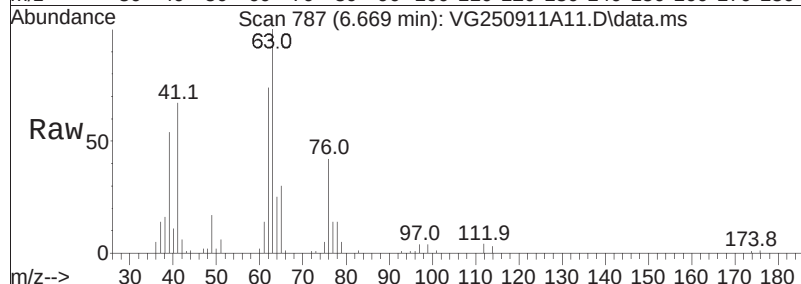
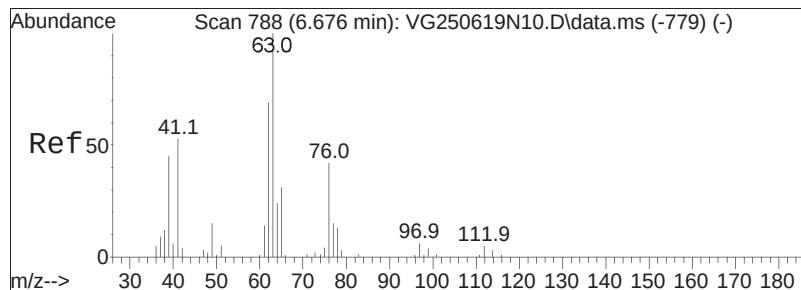




#50
 Dibromomethane
 Concen: 10.40 ug/L
 RT: 6.570 min Scan# 773
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

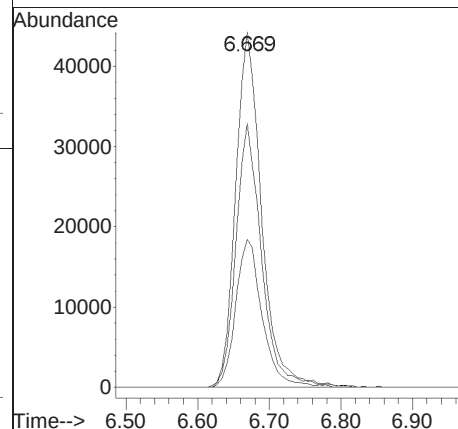
Tgt Ion:	93	Resp:	63260
Ion Ratio	Lower	Upper	
93	100		
95	87.0	66.6	99.8
174	105.8	97.8	146.6

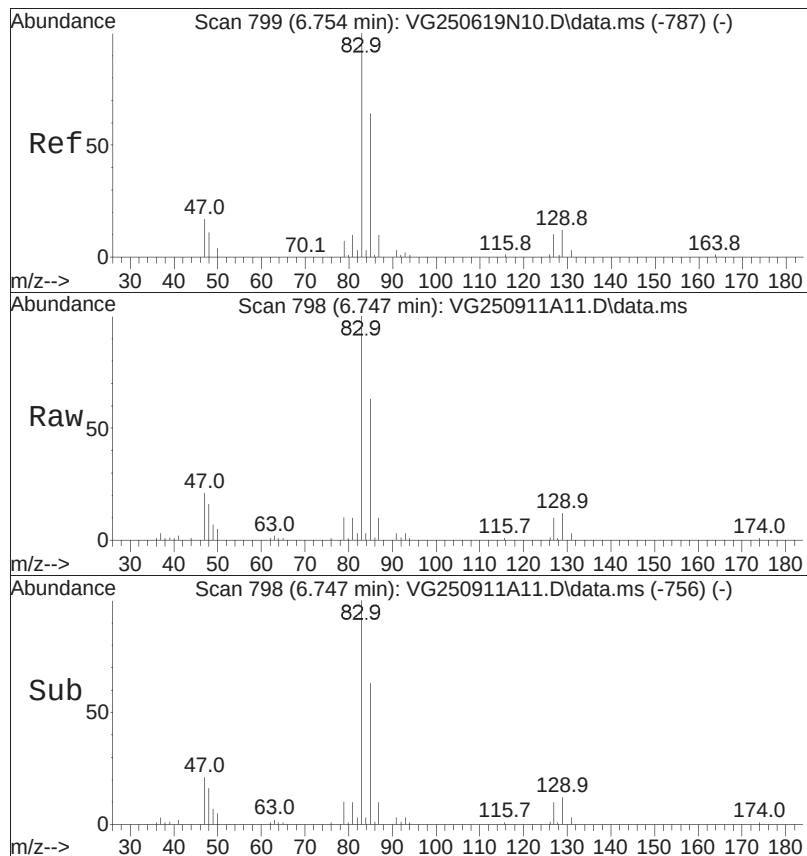




#51
 1,2-Dichloropropane
 Concen: 11.82 ug/L
 RT: 6.669 min Scan# 787
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

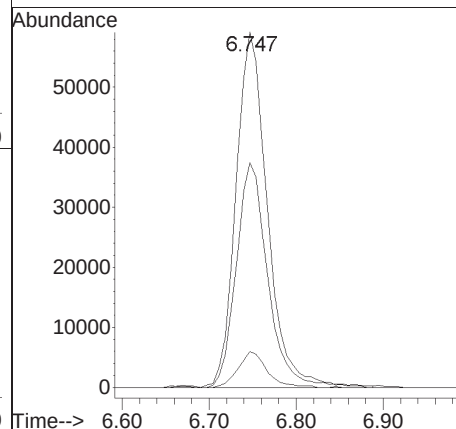
Tgt Ion:	63	Resp:	111718
Ion Ratio	Lower	Upper	
63	100		
62	72.8	54.1	81.1
76	42.7	33.8	50.6

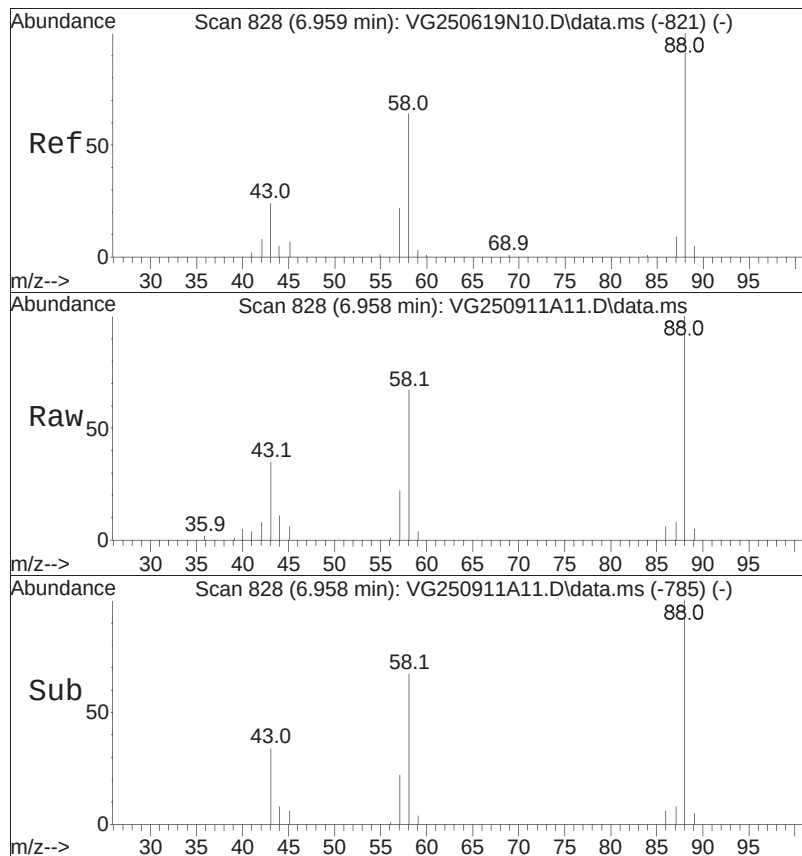




#54
 Bromodichloromethane
 Concen: 11.13 ug/L
 RT: 6.747 min Scan# 798
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

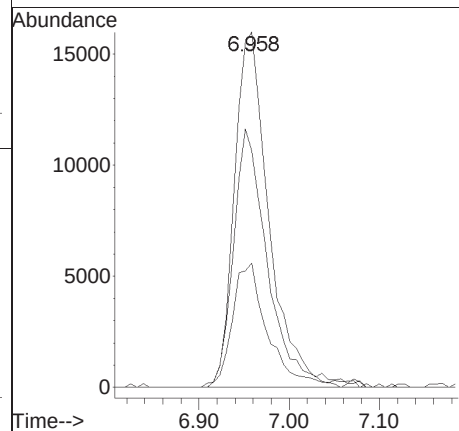
Tgt Ion:	83	Resp:	148659
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.0	76.6
127	9.3	7.8	11.6

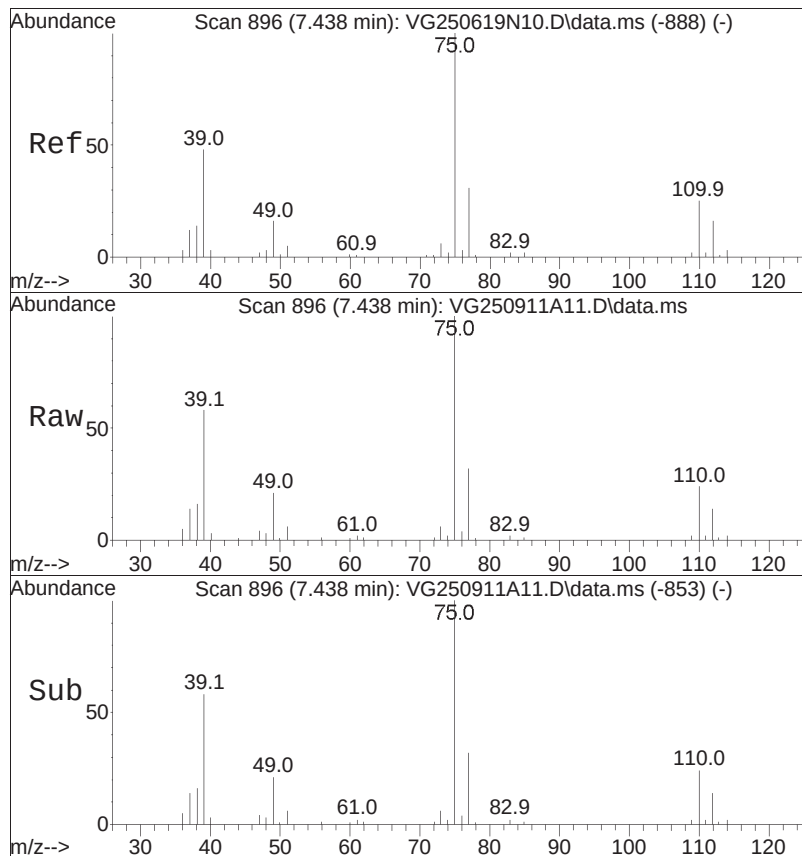




#57
 1,4-Dioxane
 Concen: 445.28 ug/L
 RT: 6.958 min Scan# 828
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

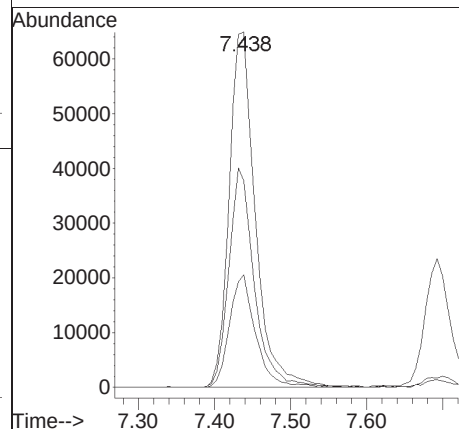
Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.2	49.8	74.8
43	35.6	22.0	33.0#

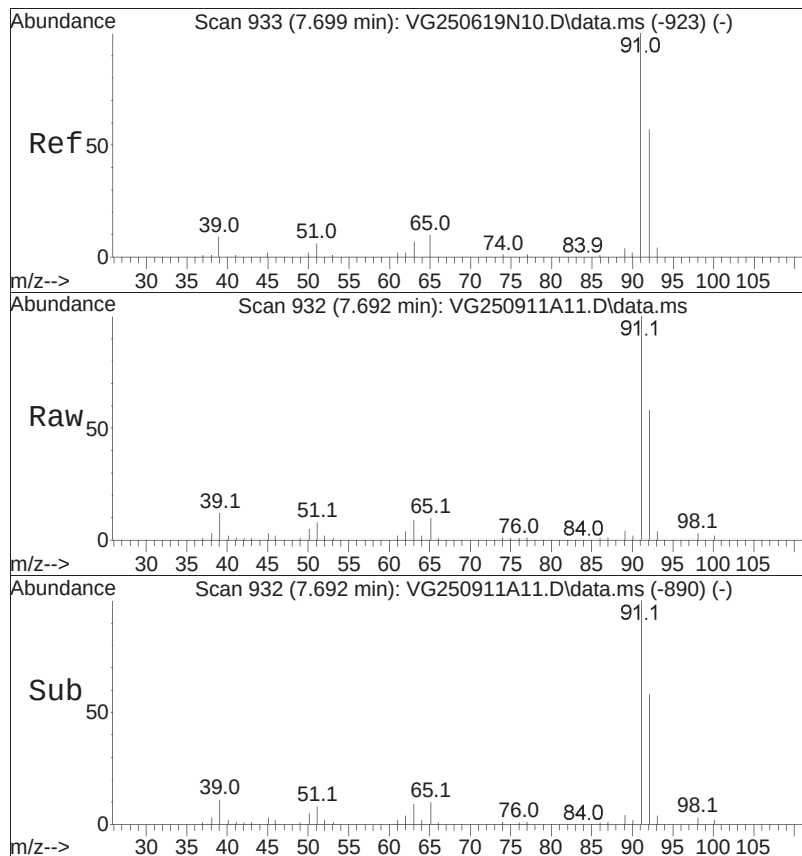




#58
 cis-1,3-Dichloropropene
 Concen: 9.98 ug/L
 RT: 7.438 min Scan# 896
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

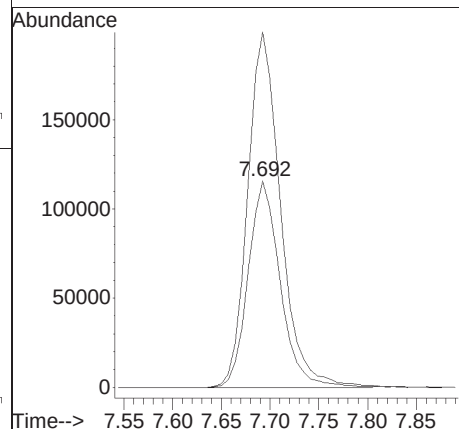
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8
39	60.1	39.9	59.9#

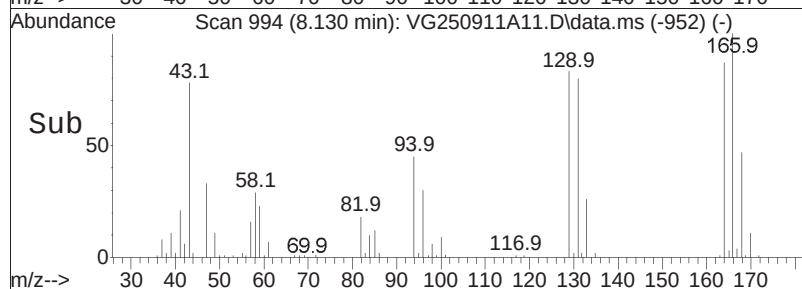
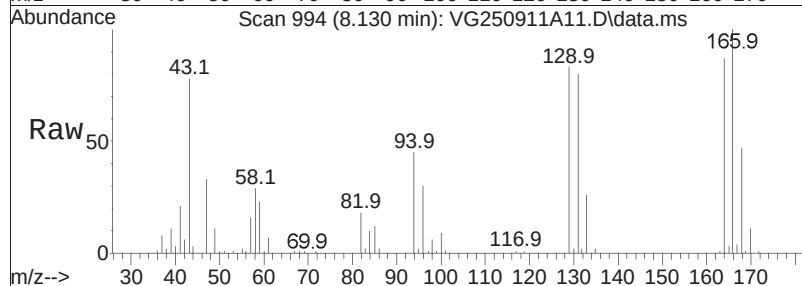
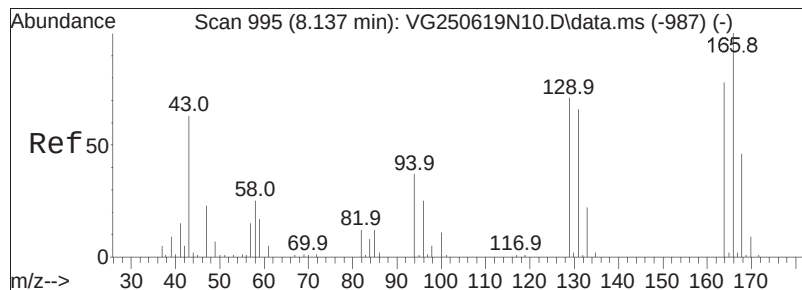




#61
 Toluene
 Concen: 11.35 ug/L
 RT: 7.692 min Scan# 932
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt	Ion	Resp	Lower	Upper
92	100			
91	176.8	264514	138.2	207.2





#62

4-Methyl-2-pentanone

Concen: 9.75 ug/L

RT: 8.130 min Scan# 994

Delta R.T. -0.007 min

Lab File: VG250911A11.D

Acq: 11 Sep 2025 11:45 am

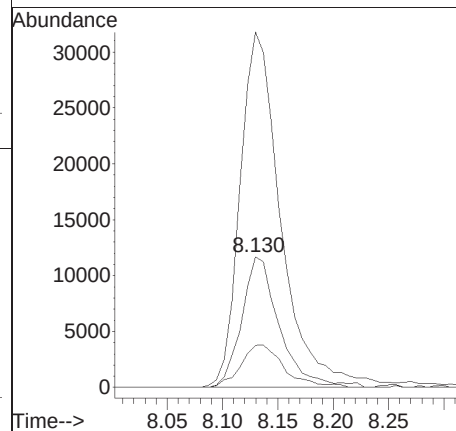
Tgt Ion: 58 Resp: 27741

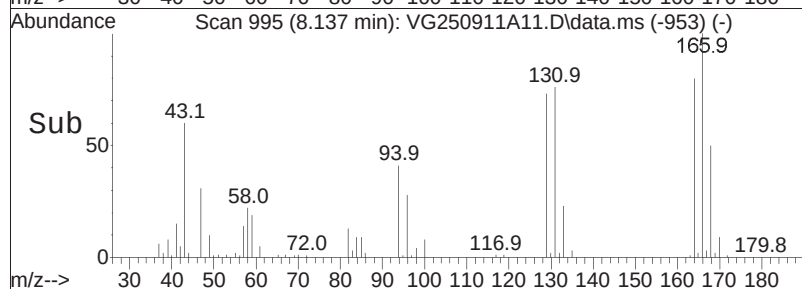
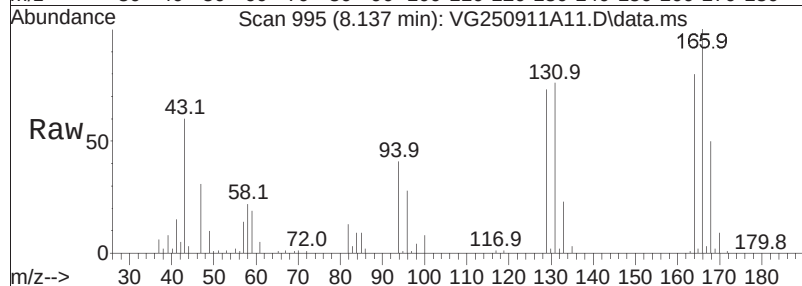
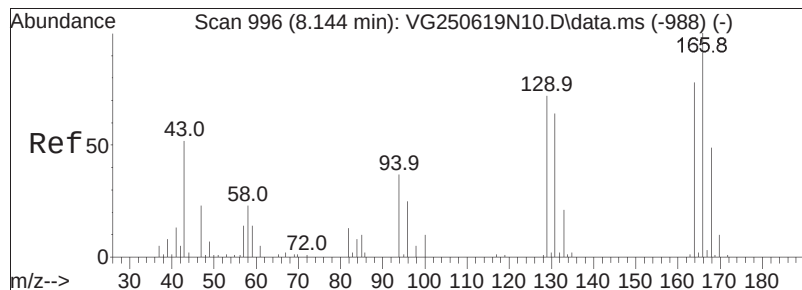
Ion Ratio Lower Upper

58 100

100 37.3 33.9 50.9

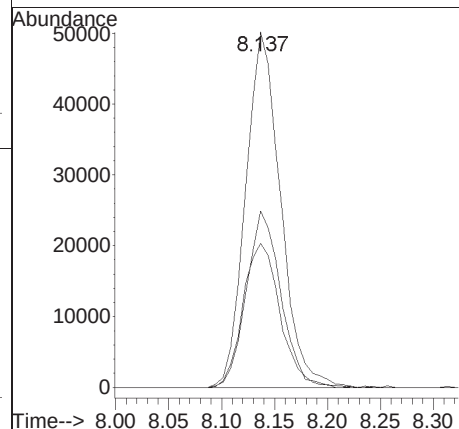
43 295.7 193.0 289.6#

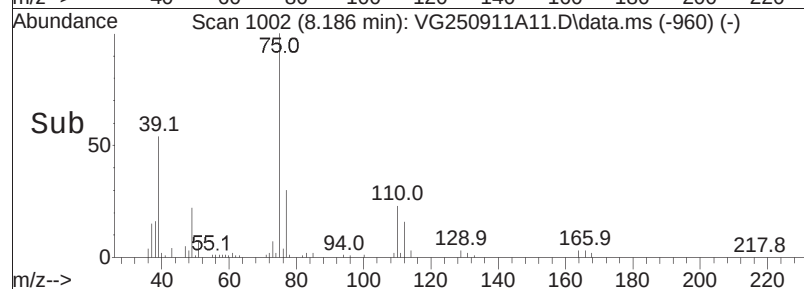
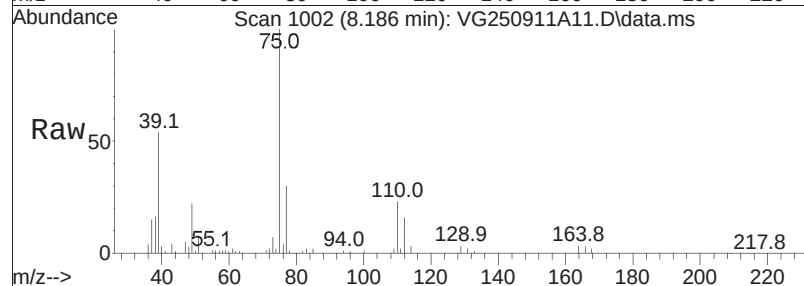
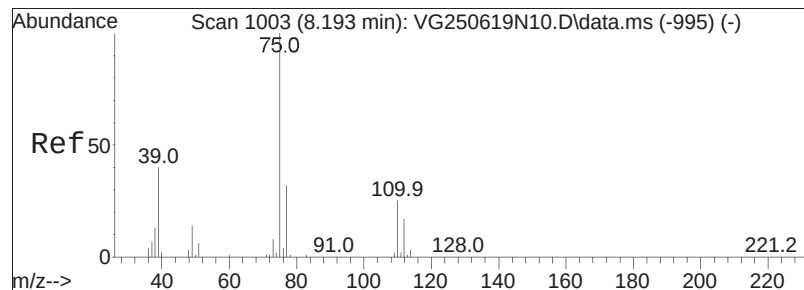




#63
Tetrachloroethene
Concen: 10.67 ug/L
RT: 8.137 min Scan# 995
Delta R.T. -0.007 min
Lab File: VG250911A11.D
Acq: 11 Sep 2025 11:45 am

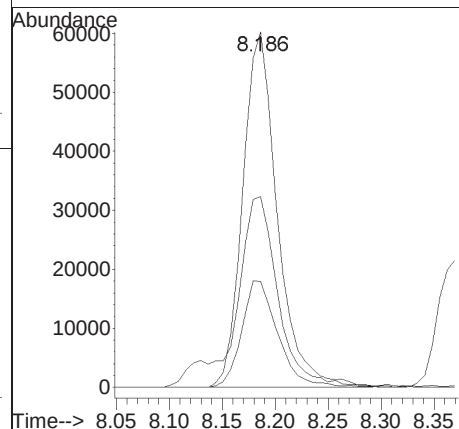
Tgt Ion	Ratio	Lower	Upper
166	100		
168	49.0	27.6	67.6
94	42.9	16.7	56.7

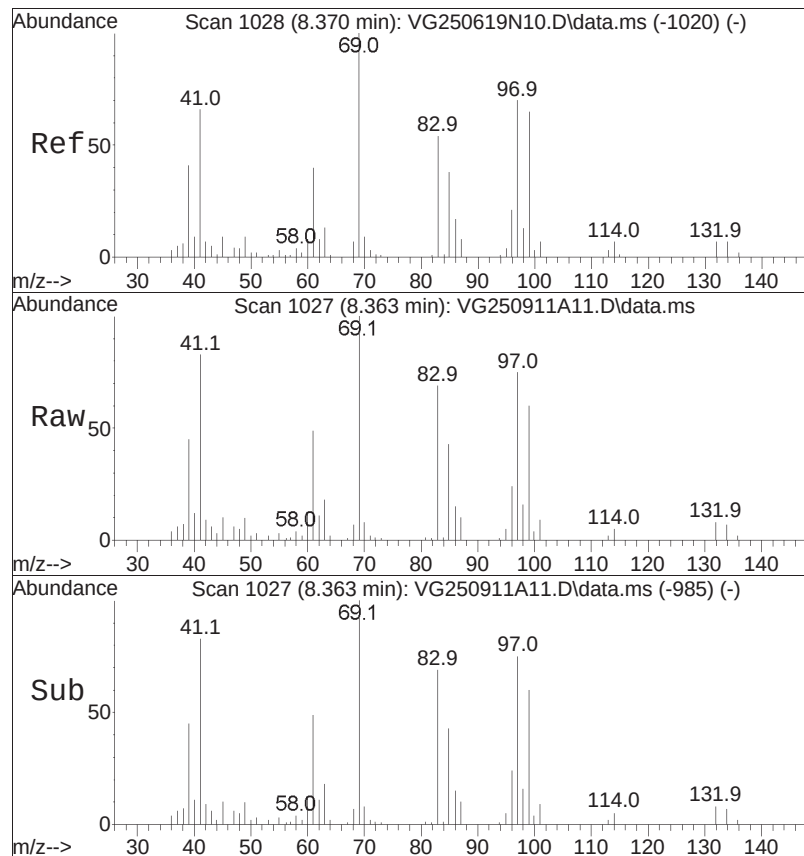




#65
 trans-1,3-Dichloropropene
 Concen: 10.21 ug/L
 RT: 8.186 min Scan# 1002
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

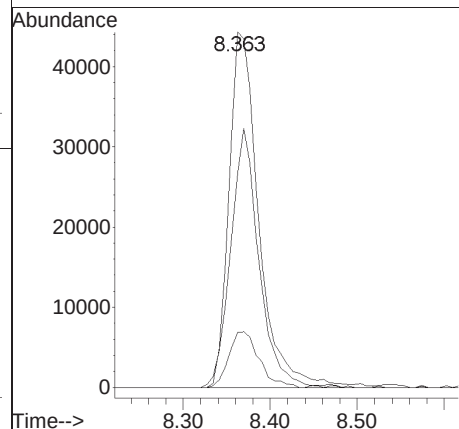
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	11.5	51.5
39	60.1	27.6	67.6

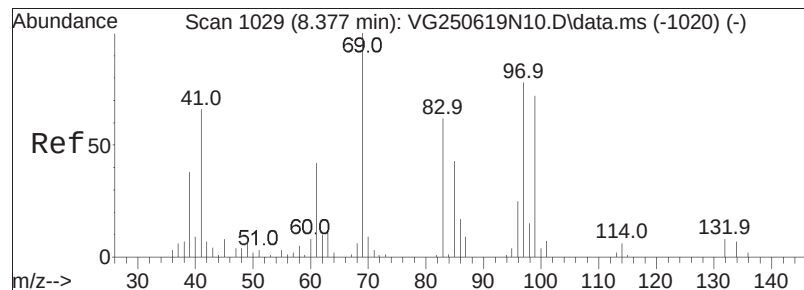




#67
 Ethyl methacrylate
 Concen: 9.72 ug/L
 RT: 8.363 min Scan# 1027
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt Ion:	69	Resp:	105804
Ion Ratio	Lower	Upper	
69	100		
99	68.5	48.0	88.0
86	15.8	0.0	37.0





#68

1,1,2-Trichloroethane

Concen: 11.15 ug/L

RT: 8.370 min Scan# 1028

Delta R.T. -0.007 min

Lab File: VG250911A11.D

Acq: 11 Sep 2025 11:45 am

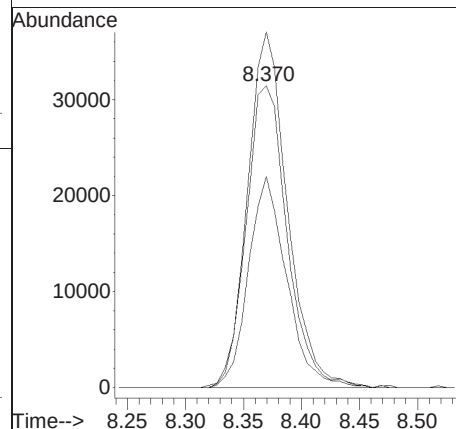
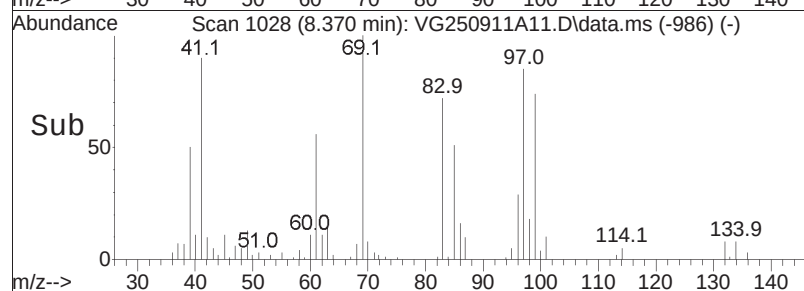
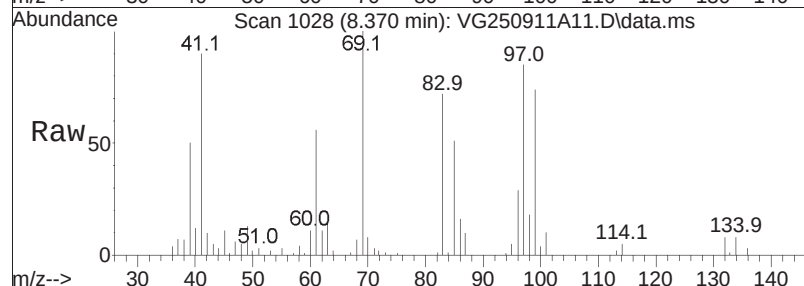
Tgt Ion: 83 Resp: 77078

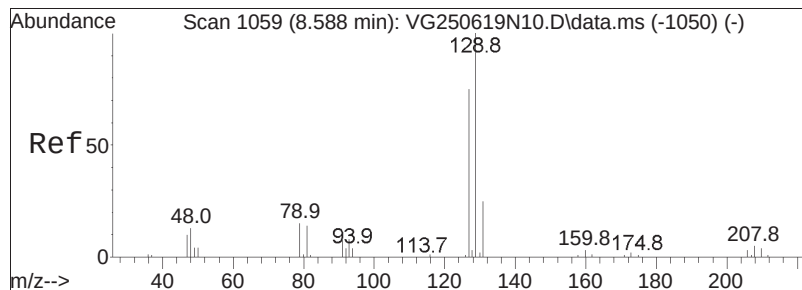
Ion Ratio Lower Upper

83 100

97 114.9 103.4 143.4

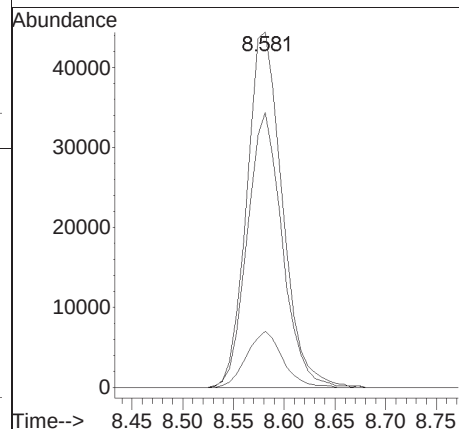
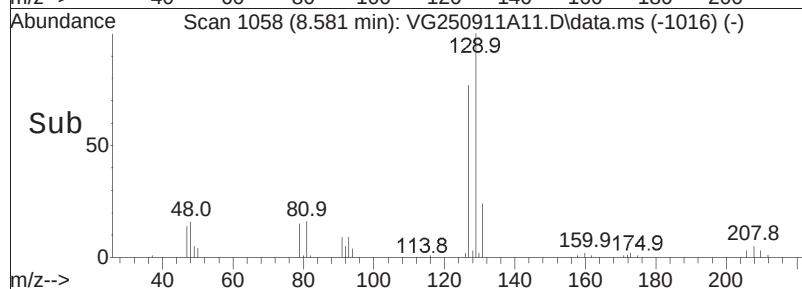
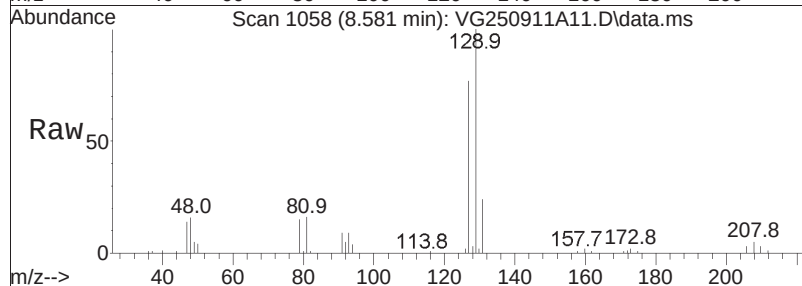
85 65.4 48.6 88.6

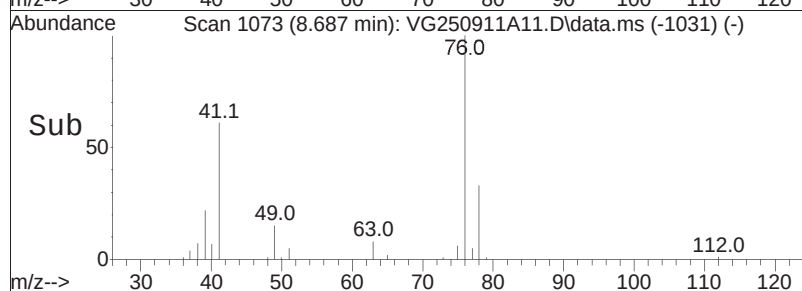
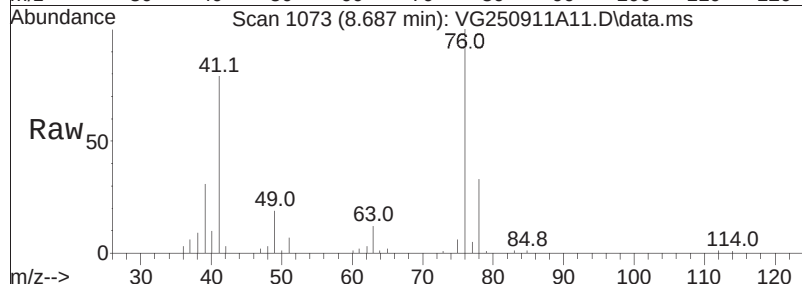
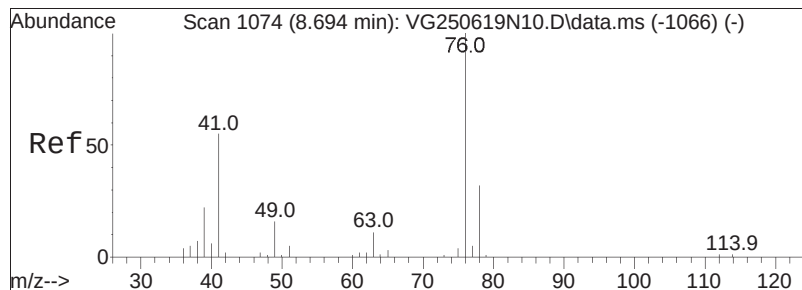




#69
 Chlorodibromomethane
 Concen: 9.78 ug/L
 RT: 8.581 min Scan# 1058
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

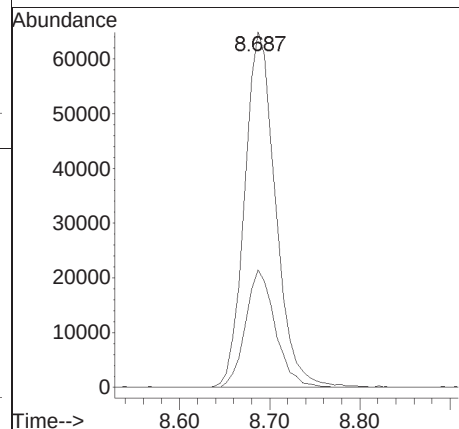
Tgt Ion	Ratio	Lower	Upper
129	100		
81	16.0	0.0	34.8
127	76.4	57.0	97.0

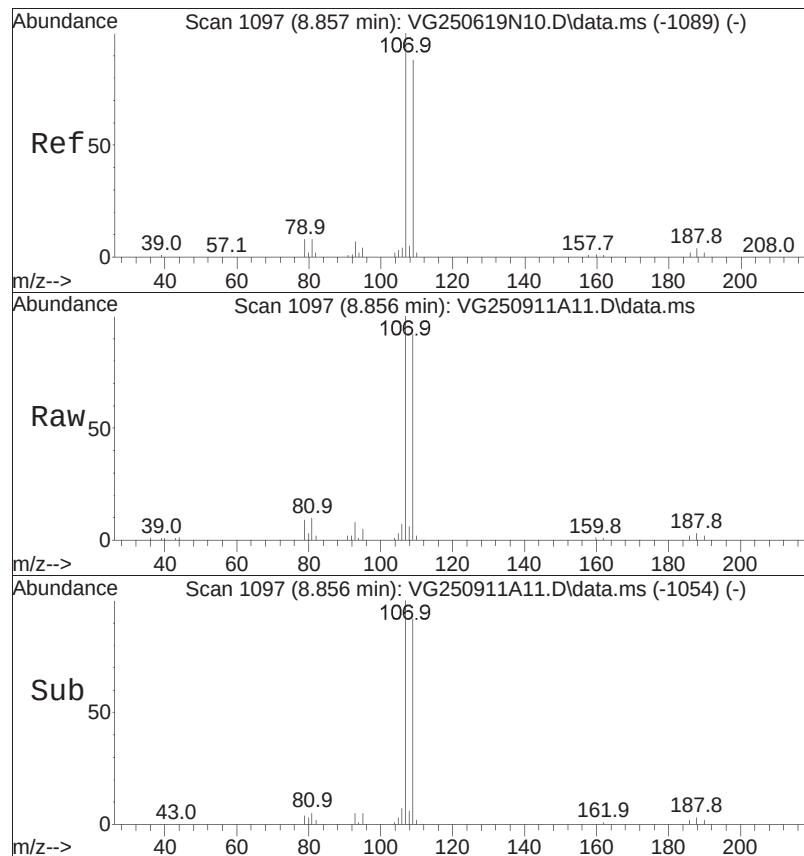




#70
 1,3-Dichloropropane
 Concen: 11.49 ug/L
 RT: 8.687 min Scan# 1073
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

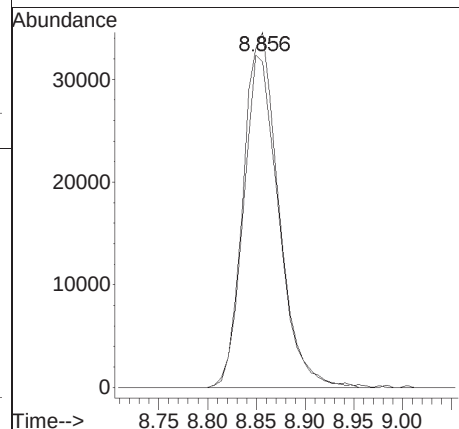
Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.3	37.9

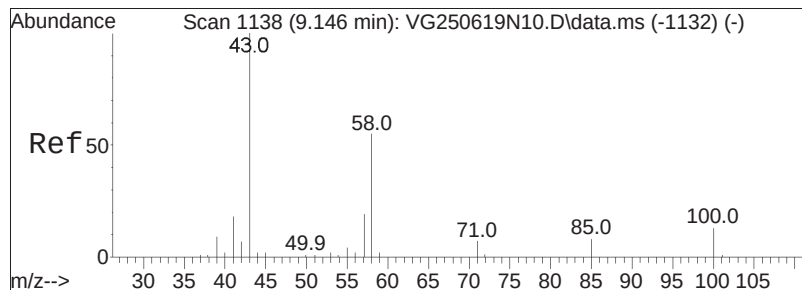




#71
 1,2-Dibromoethane
 Concen: 9.99 ug/L
 RT: 8.856 min Scan# 1097
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.6	111.8





#72

2-Hexanone

Concen: 10.89 ug/L

RT: 9.146 min Scan# 1138

Delta R.T. -0.000 min

Lab File: VG250911A11.D

Acq: 11 Sep 2025 11:45 am

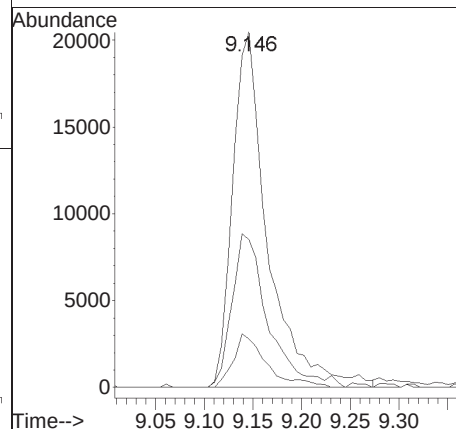
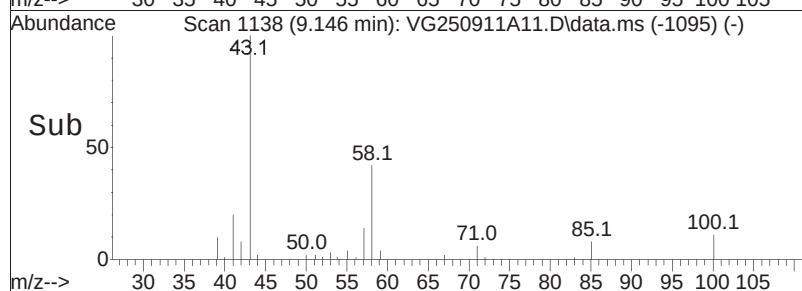
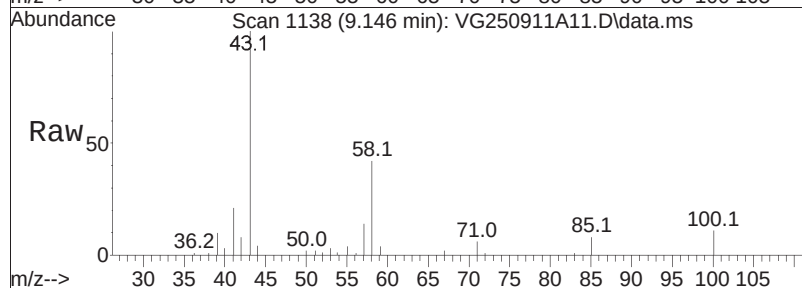
Tgt Ion: 43 Resp: 51392

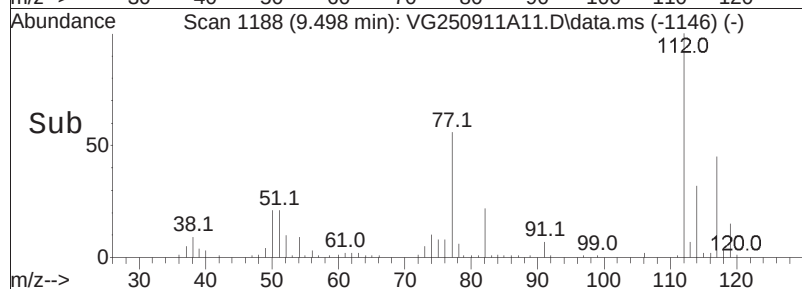
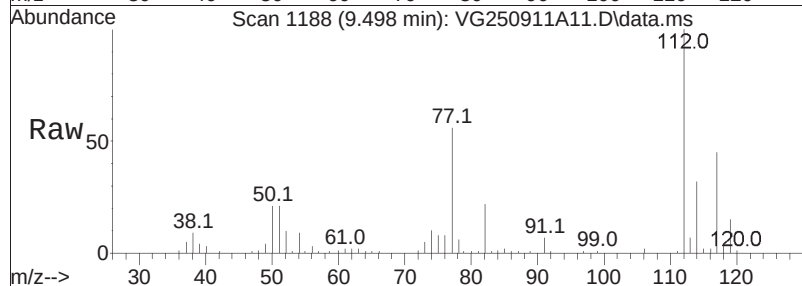
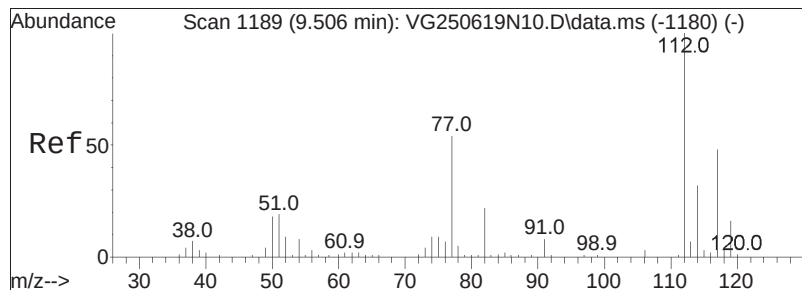
Ion Ratio Lower Upper

43 100

58 44.6 44.0 66.0

57 14.3 15.7 23.5#





#73

Chlorobenzene

Concen: 11.27 ug/L

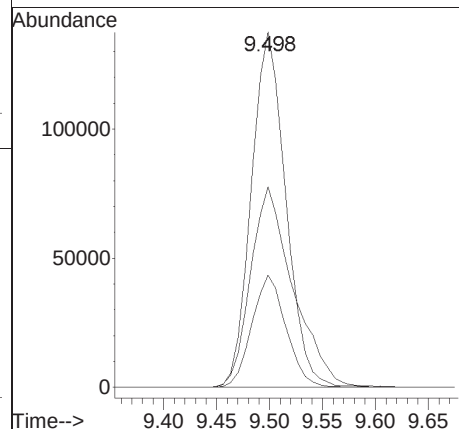
RT: 9.498 min Scan# 1188

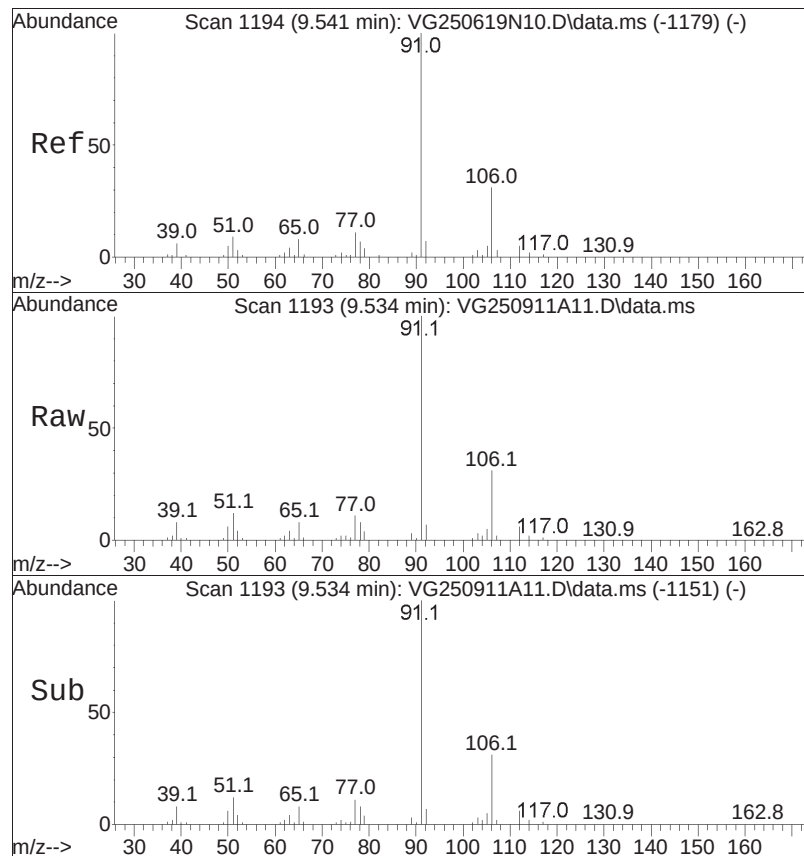
Delta R.T. -0.007 min

Lab File: VG250911A11.D

Acq: 11 Sep 2025 11:45 am

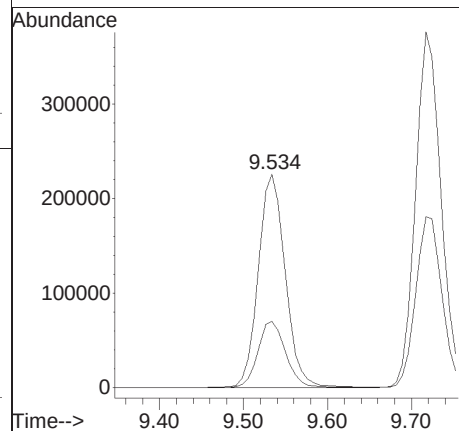
Tgt	Ion:112	Resp:	311297
Ion	Ratio	Lower	Upper
112	100		
77	70.0	53.5	80.3
114	31.4	25.8	38.6

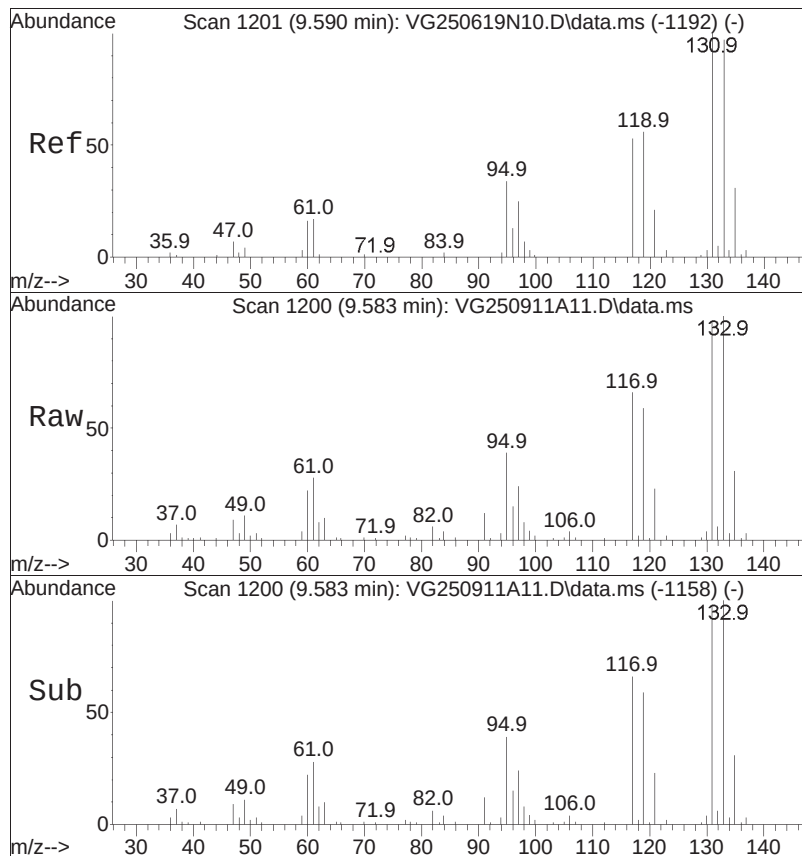




#74
 Ethylbenzene
 Concen: 11.28 ug/L
 RT: 9.534 min Scan# 1193
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

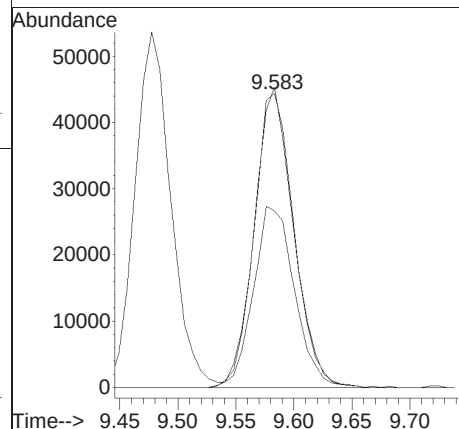
Tgt	Ion	Resp	Lower	Upper
91	100	503412		
106	31.6	25.0	37.6	

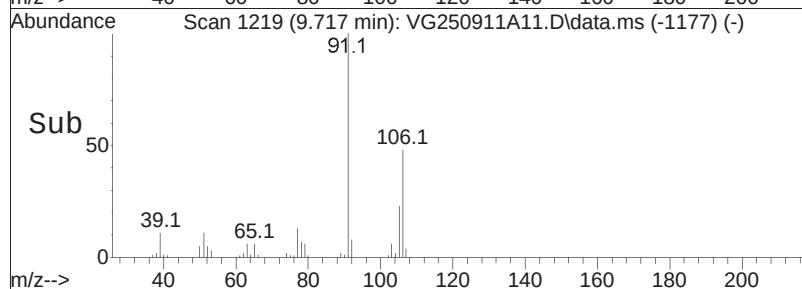
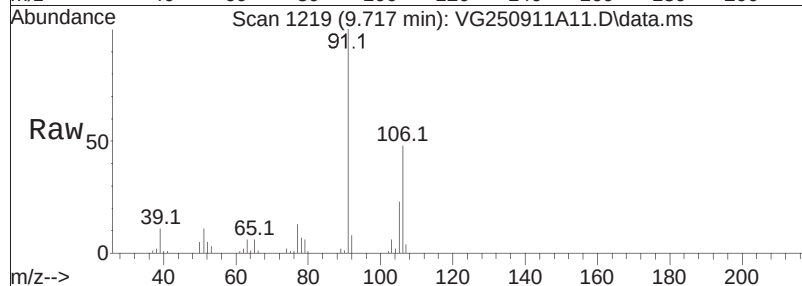
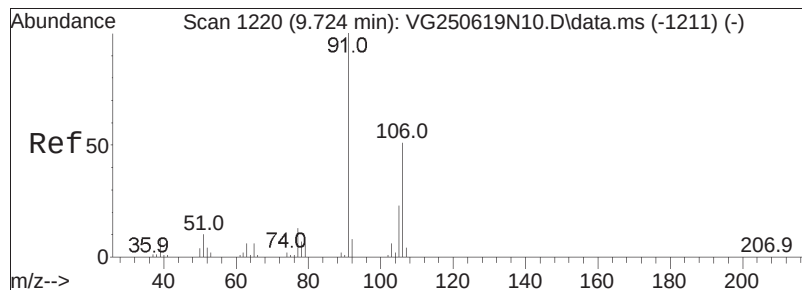




#75
 1,1,1,2-Tetrachloroethane
 Concen: 10.08 ug/L
 RT: 9.583 min Scan# 1200
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

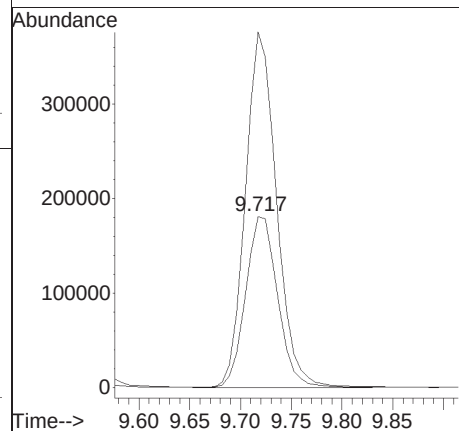
Tgt Ion:131	Resp:	106971
Ion Ratio	Lower	Upper
131	100	
133	98.1	76.7 116.7
119	62.9	41.9 81.9

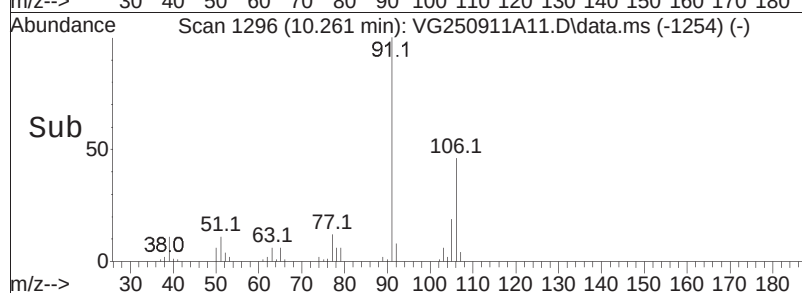
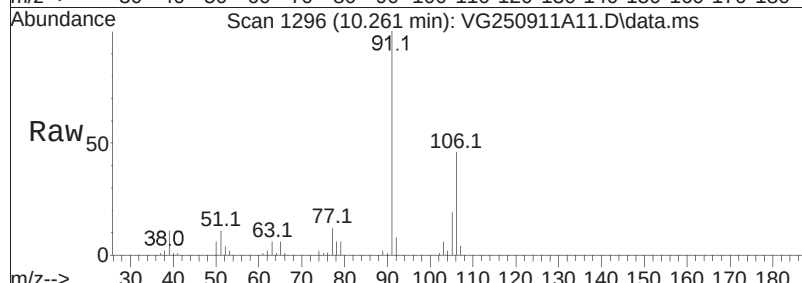
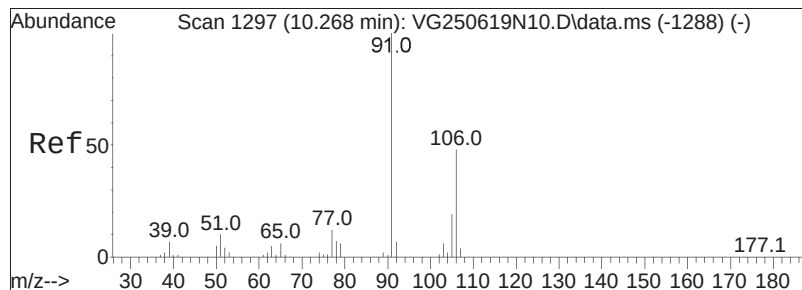




#76
 p/m Xylene
 Concen: 22.32 ug/L
 RT: 9.717 min Scan# 1219
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

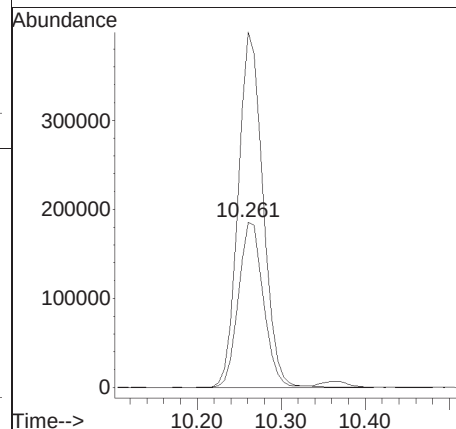
Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.6	154.8	232.2

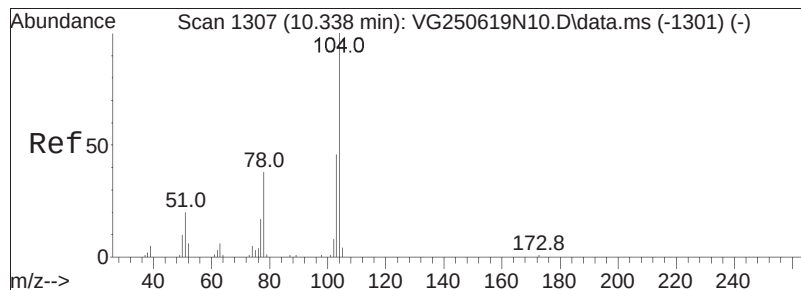




#77
 o Xylene
 Concen: 21.59 ug/L
 RT: 10.261 min Scan# 1296
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.7	166.0	249.0





#78

Styrene

Concen: 21.38 ug/L

RT: 10.331 min Scan# 1306

Delta R.T. -0.007 min

Lab File: VG250911A11.D

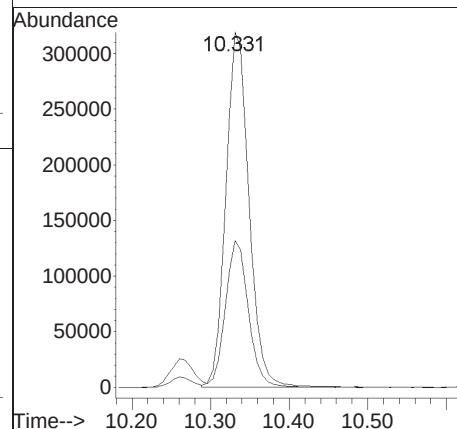
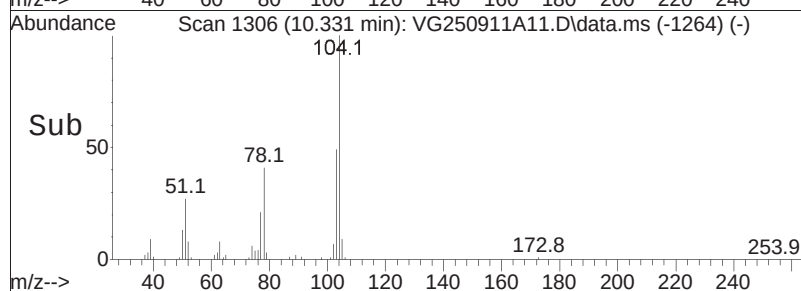
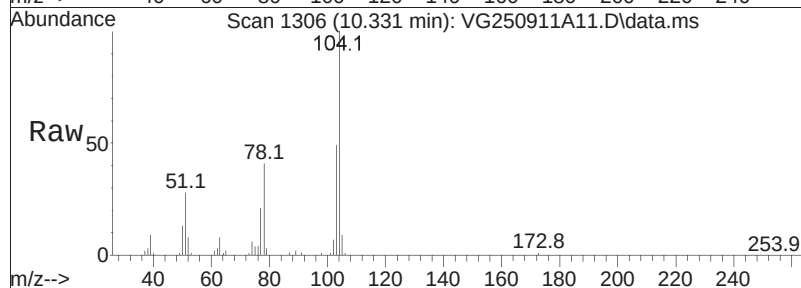
Acq: 11 Sep 2025 11:45 am

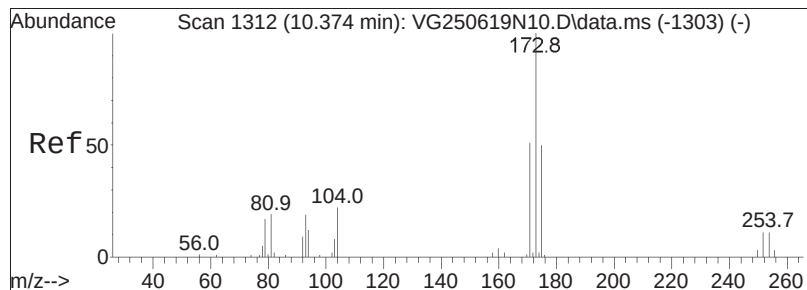
Tgt Ion:104 Resp: 653643

Ion Ratio Lower Upper

104 100

78 41.0 31.4 47.2





#80

Bromoform

Concen: 8.12 ug/L

RT: 10.359 min Scan# 1310

Delta R.T. -0.014 min

Lab File: VG250911A11.D

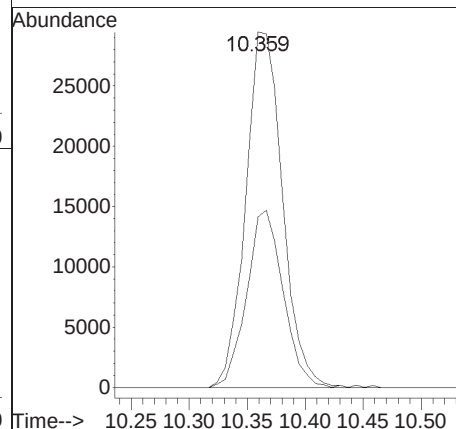
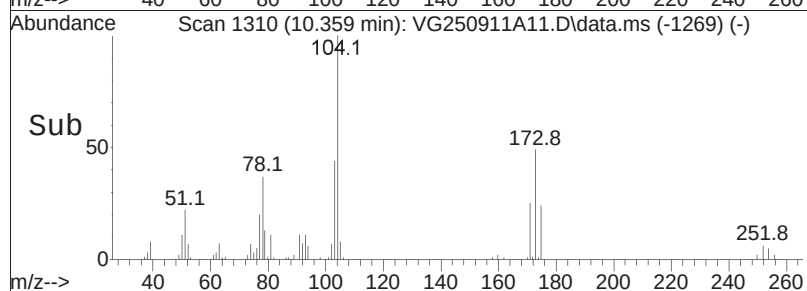
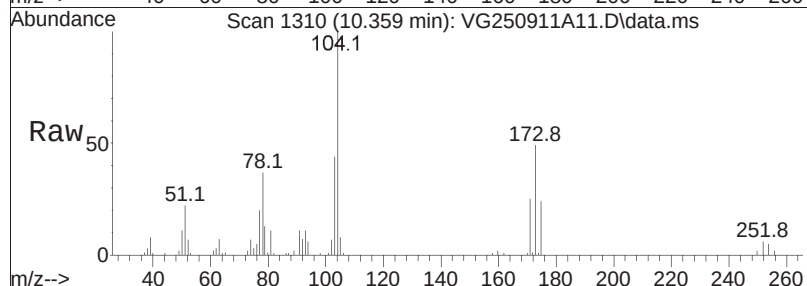
Acq: 11 Sep 2025 11:45 am

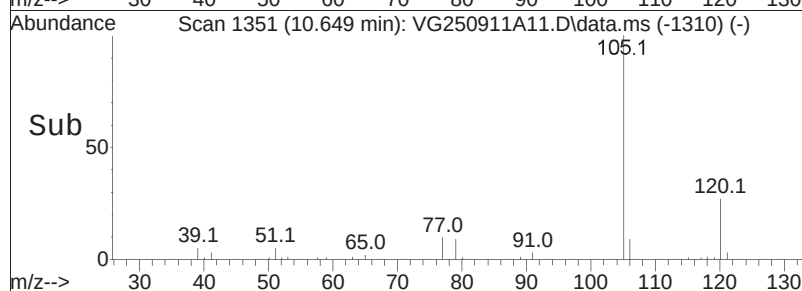
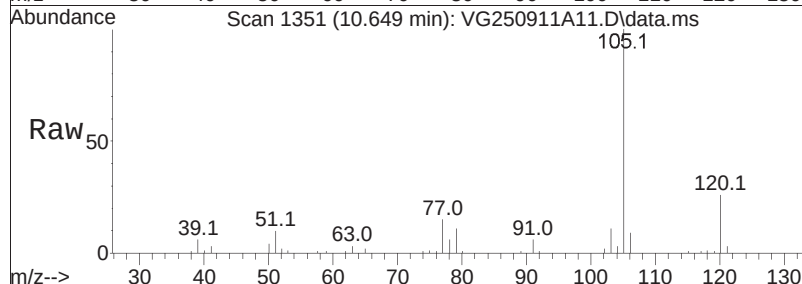
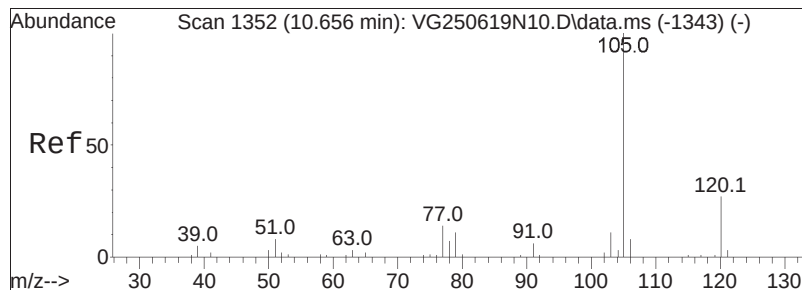
Tgt Ion:173 Resp: 65138

Ion Ratio Lower Upper

173 100

175 49.3 28.8 68.8





#82

Isopropylbenzene

Concen: 11.04 ug/L

RT: 10.649 min Scan# 1351

Delta R.T. -0.007 min

Lab File: VG250911A11.D

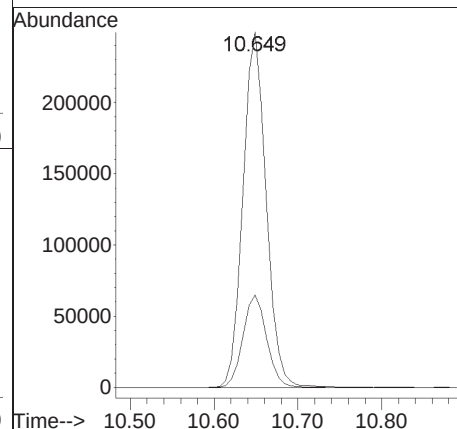
Acq: 11 Sep 2025 11:45 am

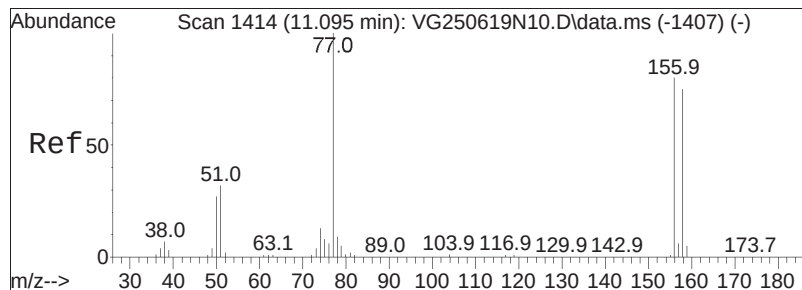
Tgt Ion:105 Resp: 479261

Ion Ratio Lower Upper

105 100

120 26.6 7.6 47.6





#84

Bromobenzene

Concen: 10.01 ug/L

RT: 11.094 min Scan# 1414

Delta R.T. -0.000 min

Lab File: VG250911A11.D

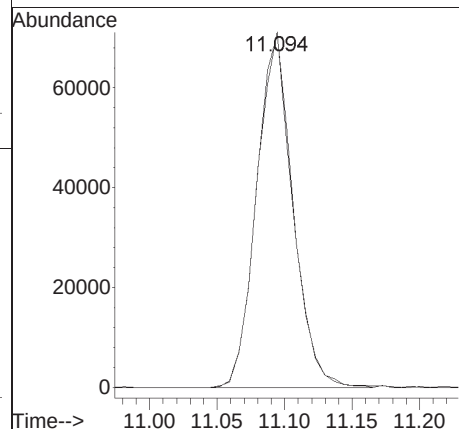
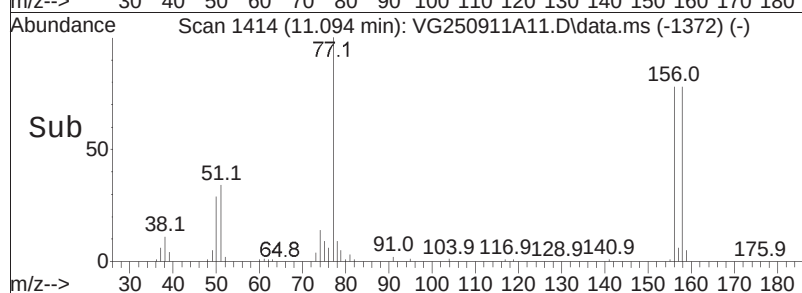
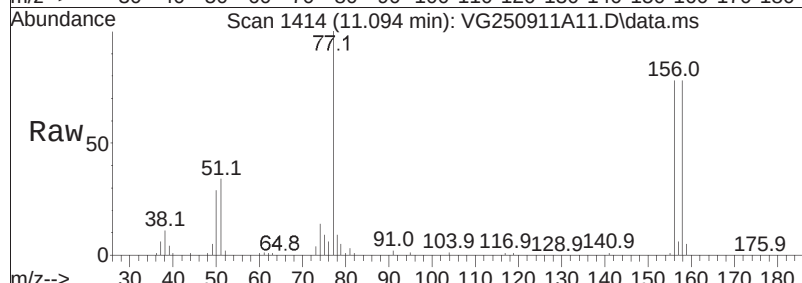
Acq: 11 Sep 2025 11:45 am

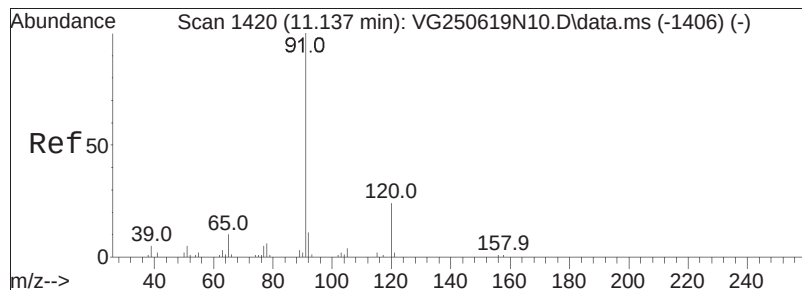
Tgt Ion:156 Resp: 133122

Ion Ratio Lower Upper

156 100

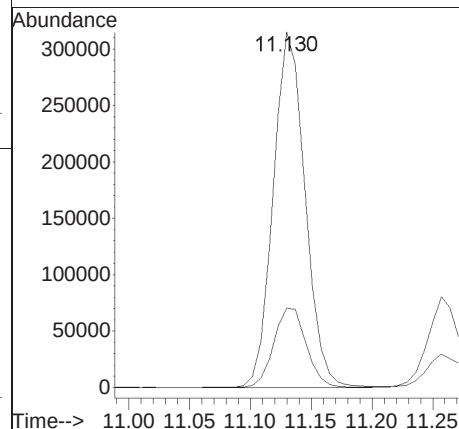
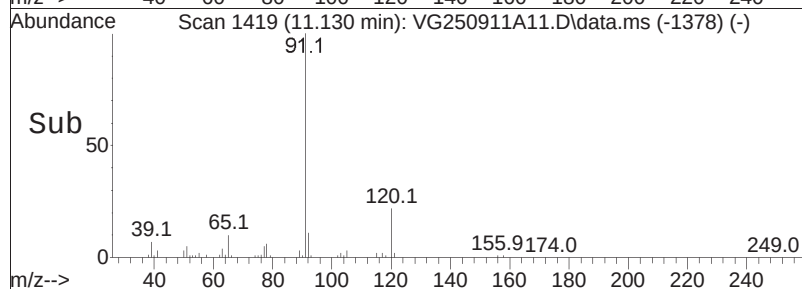
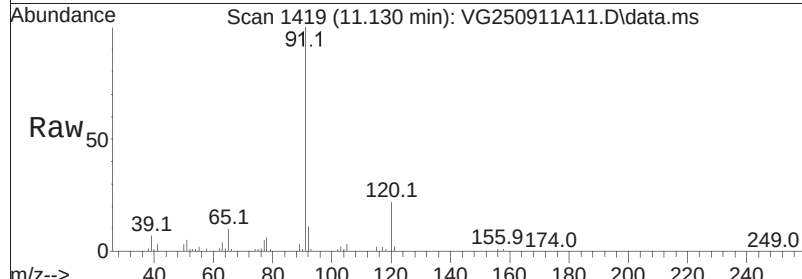
158 98.6 78.2 117.2

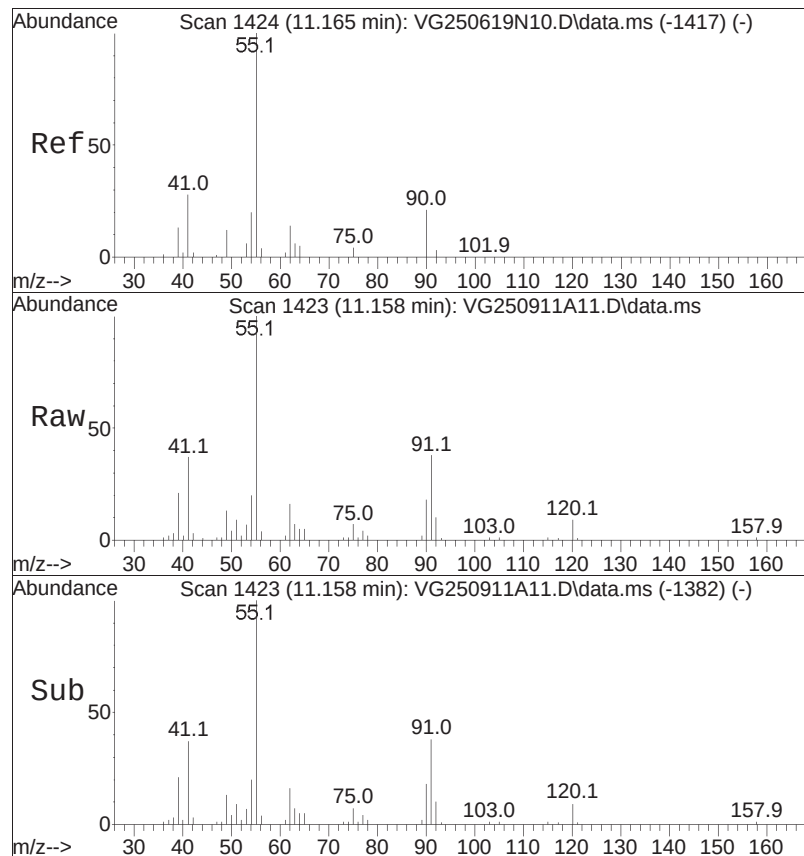




#85
 n-Propylbenzene
 Concen: 11.56 ug/L
 RT: 11.130 min Scan# 1419
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

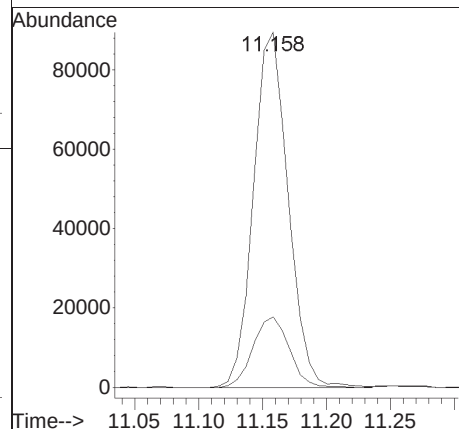
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	19.4	29.2

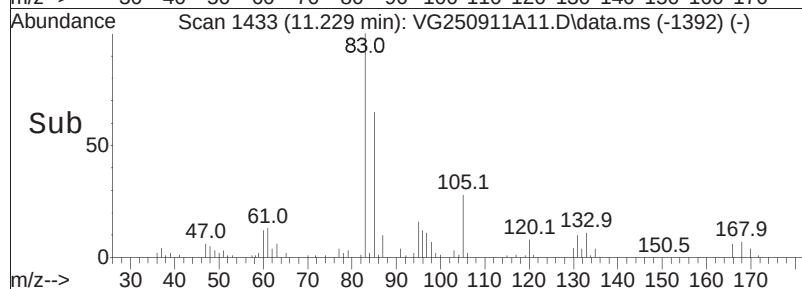
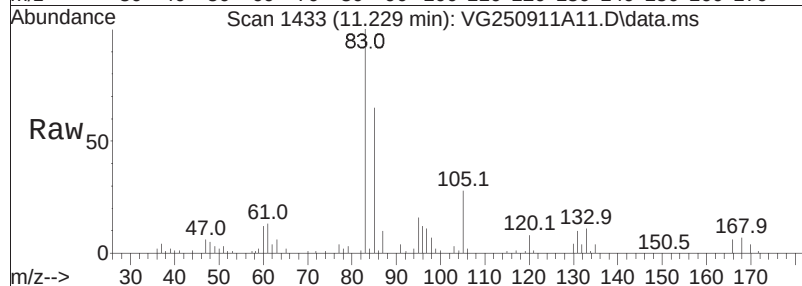
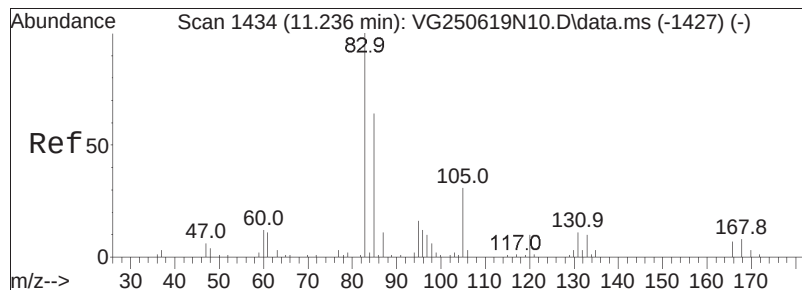




#86
 1,4-Dichlorobutane
 Concen: 11.90 ug/L
 RT: 11.158 min Scan# 1423
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt Ion	Ratio	Lower	Upper
55	100		
54	20.7	17.0	25.6





#87

1,1,2,2-Tetrachloroethane

Concen: 10.23 ug/L

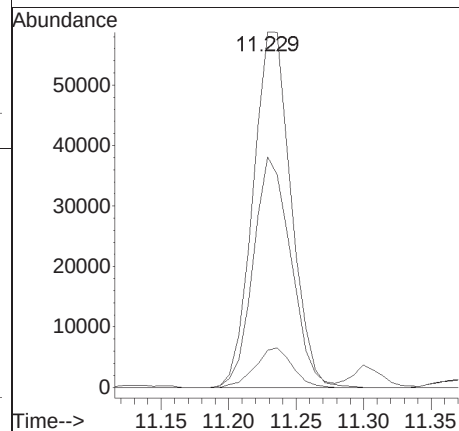
RT: 11.229 min Scan# 1433

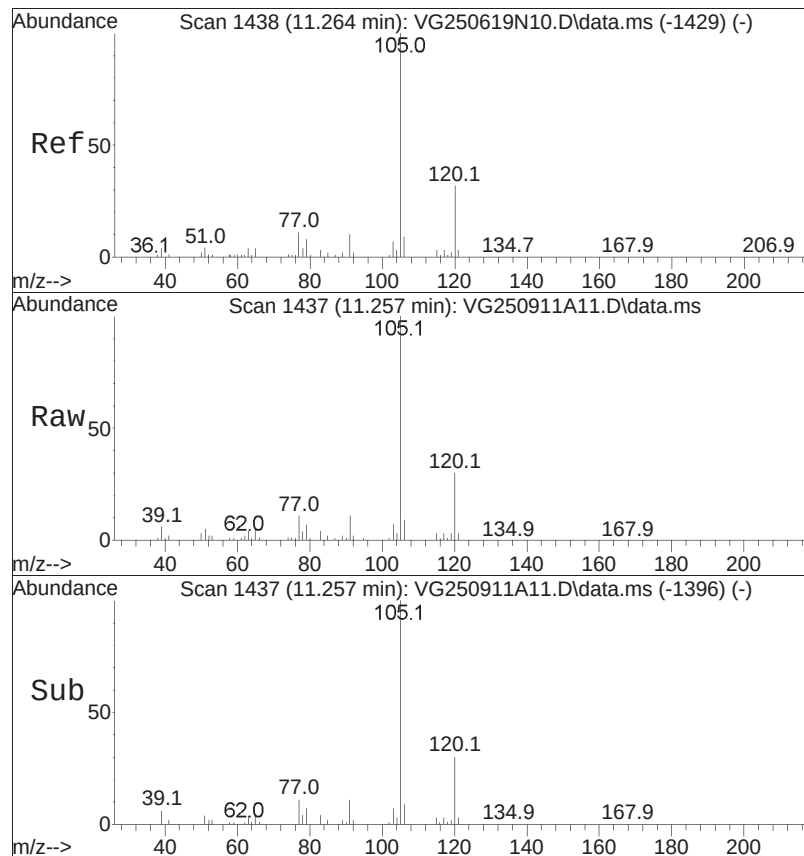
Delta R.T. -0.007 min

Lab File: VG250911A11.D

Acq: 11 Sep 2025 11:45 am

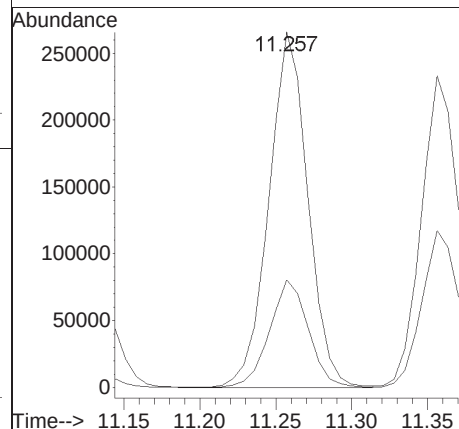
Tgt Ion:	83	Resp:	114966
Ion Ratio	Lower	Upper	
83	100		
131	10.9	0.0	31.5
85	64.4	44.6	84.6

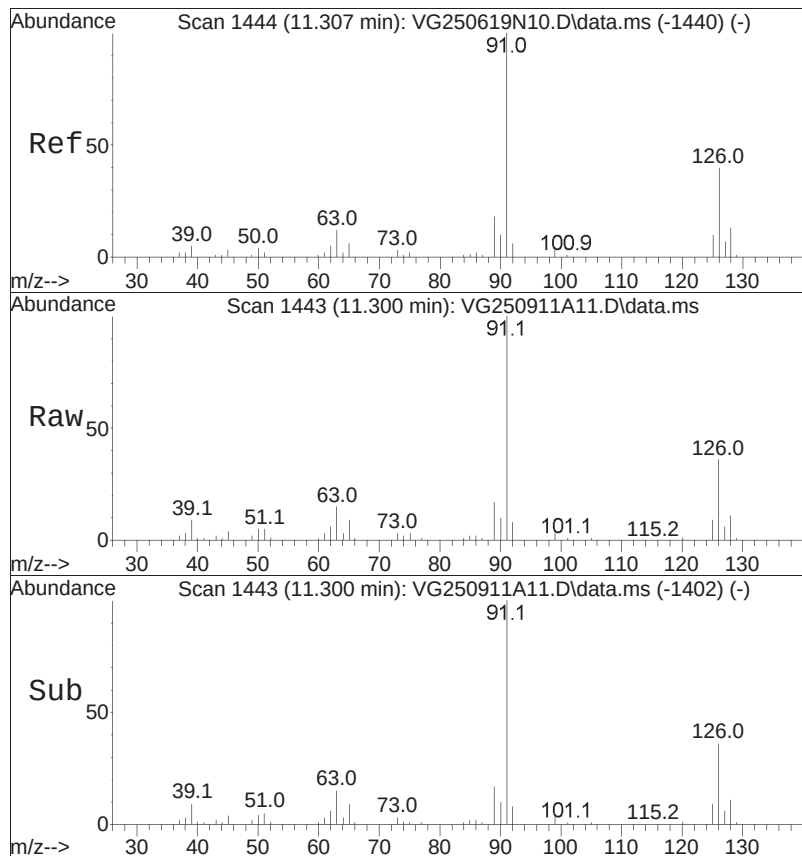




#88
 4-Ethyltoluene
 Concen: 11.06 ug/L
 RT: 11.257 min Scan# 1437
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

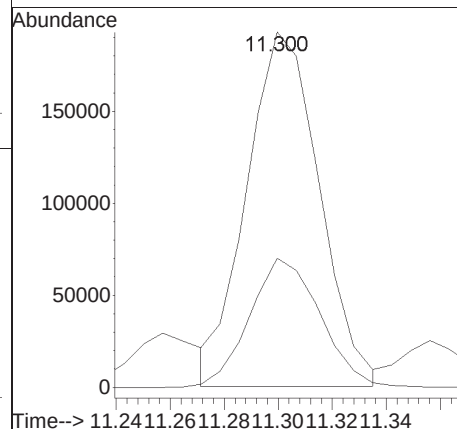
Tgt Ion:	105	Resp:	473778
Ion Ratio	Lower	Upper	
105	100		
120	30.1	20.4	42.4

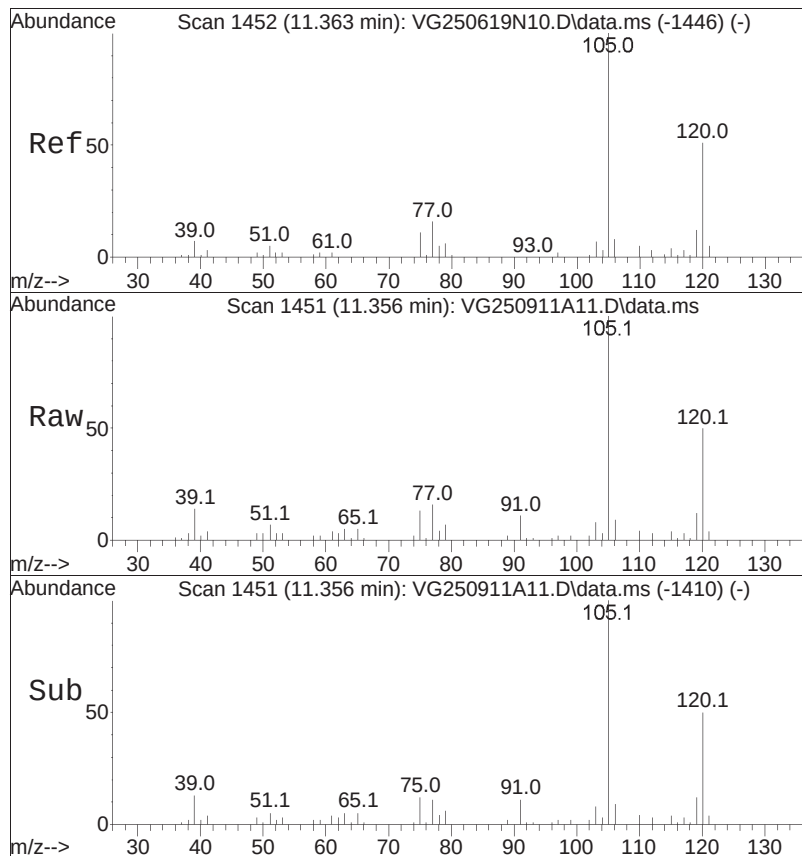




#89
 2-Chlorotoluene
 Concen: 11.54 ug/L
 RT: 11.300 min Scan# 1443
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

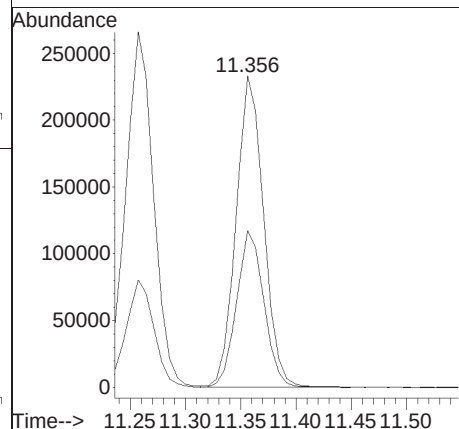
Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	29.8	44.8

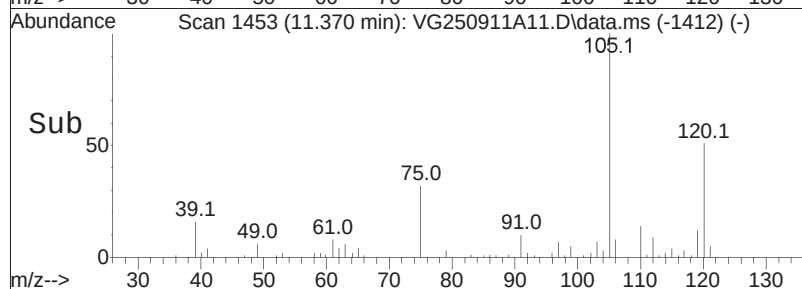
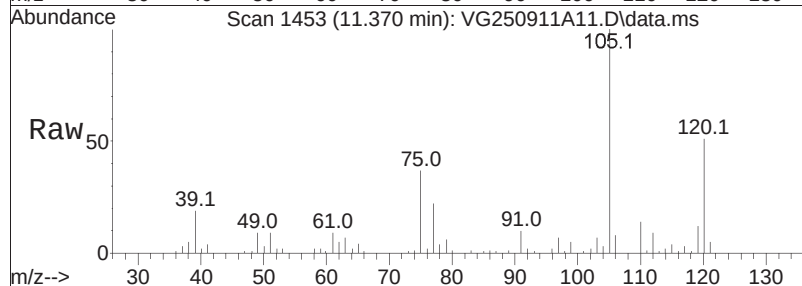
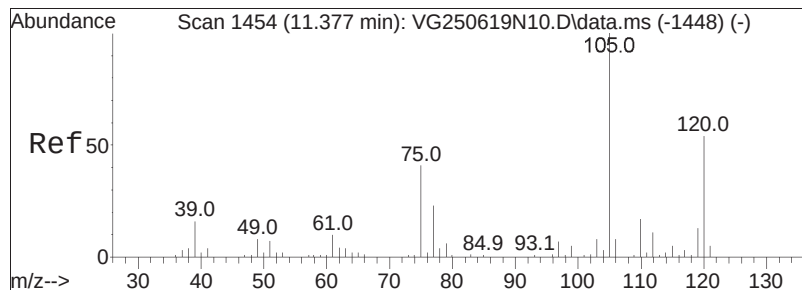




#90
 1,3,5-Trimethylbenzene
 Concen: 10.81 ug/L
 RT: 11.356 min Scan# 1451
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

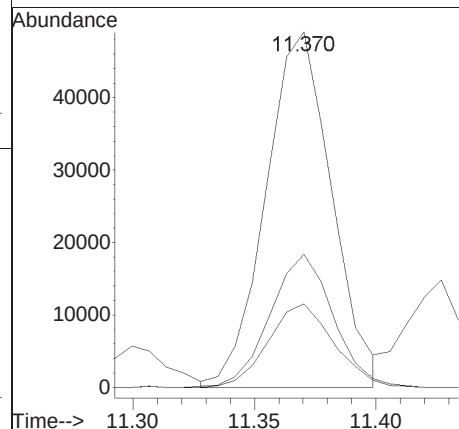
Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	40.7	61.1

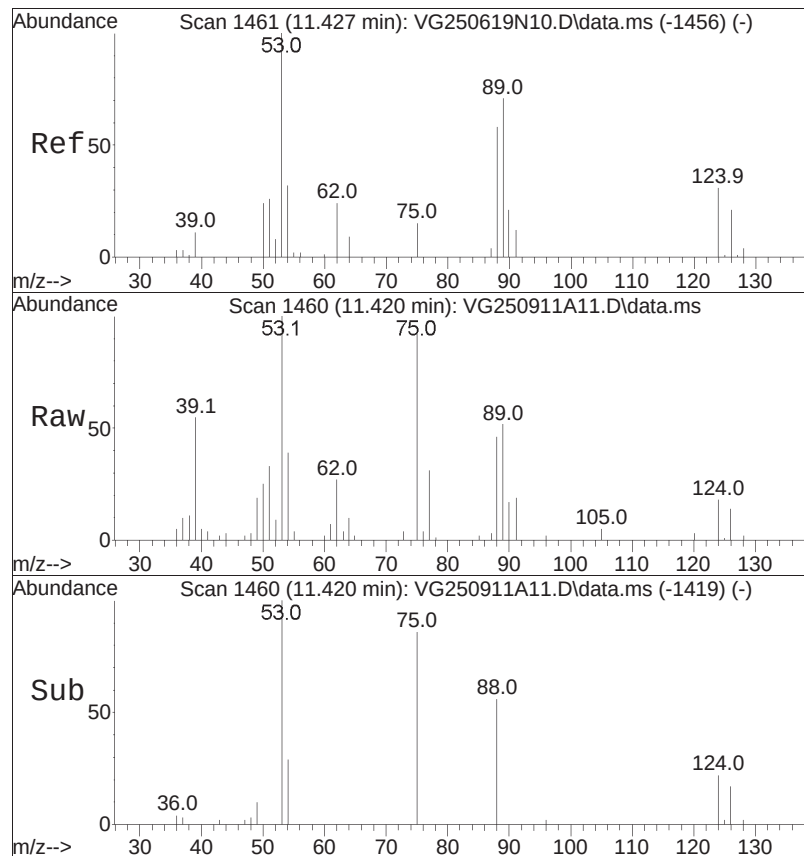




#91
 1,2,3-Trichloropropane
 Concen: 10.82 ug/L
 RT: 11.370 min Scan# 1453
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

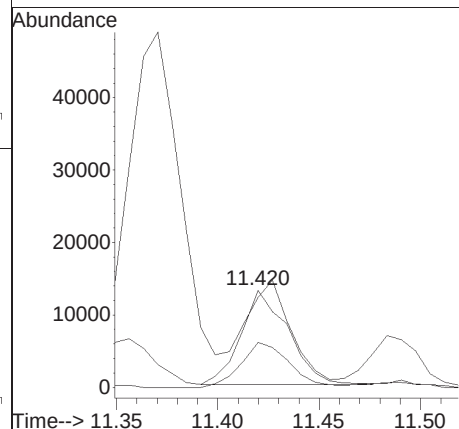
Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	25.0	51.8
112	23.5	16.8	34.8

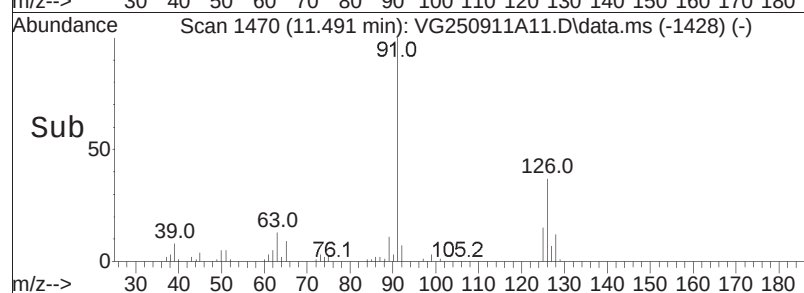
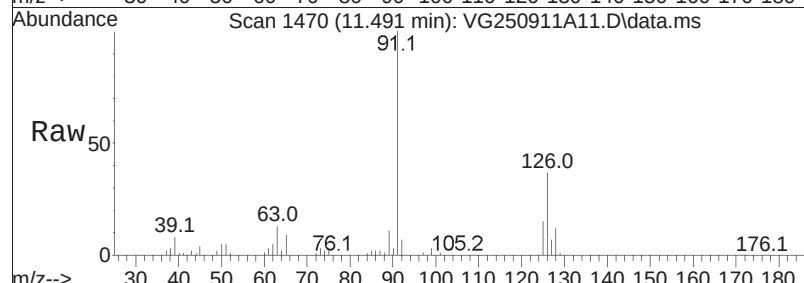
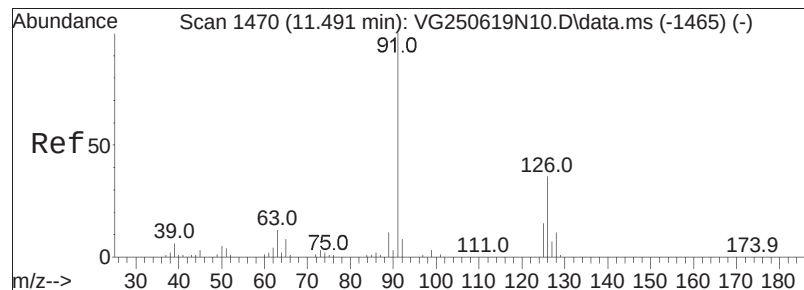




#92
 trans-1,4-Dichloro-2-butene
 Concen: 6.78 ug/L
 RT: 11.420 min Scan# 1460
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

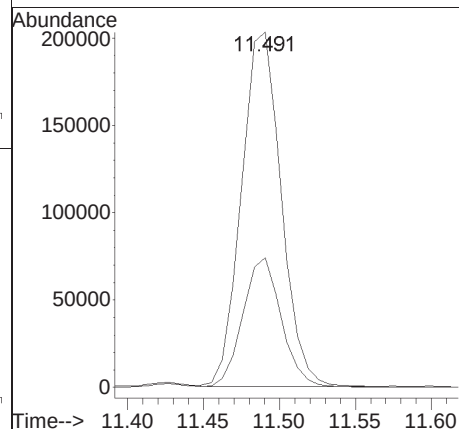
Tgt	Ion	Resp	Ratio	Lower	Upper
53	100				
88	48.8	44.8	67.2		
75	116.8	108.5	162.7		

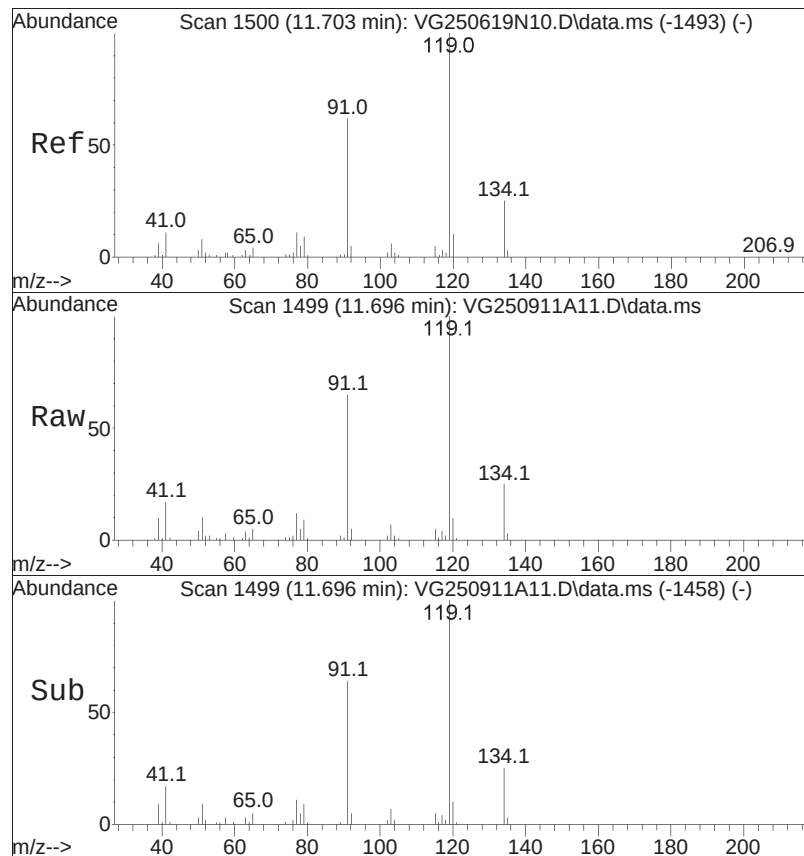




#93
 4-Chlorotoluene
 Concen: 11.23 ug/L
 RT: 11.491 min Scan# 1470
 Delta R.T. -0.000 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

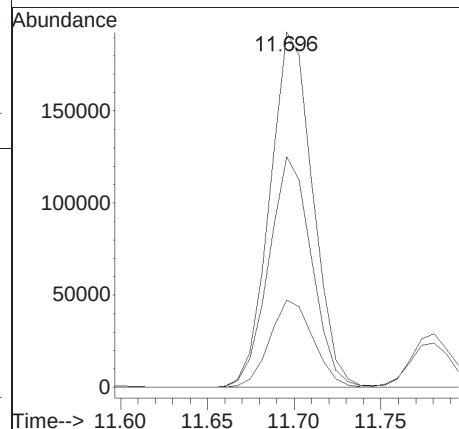
Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	29.9	44.9

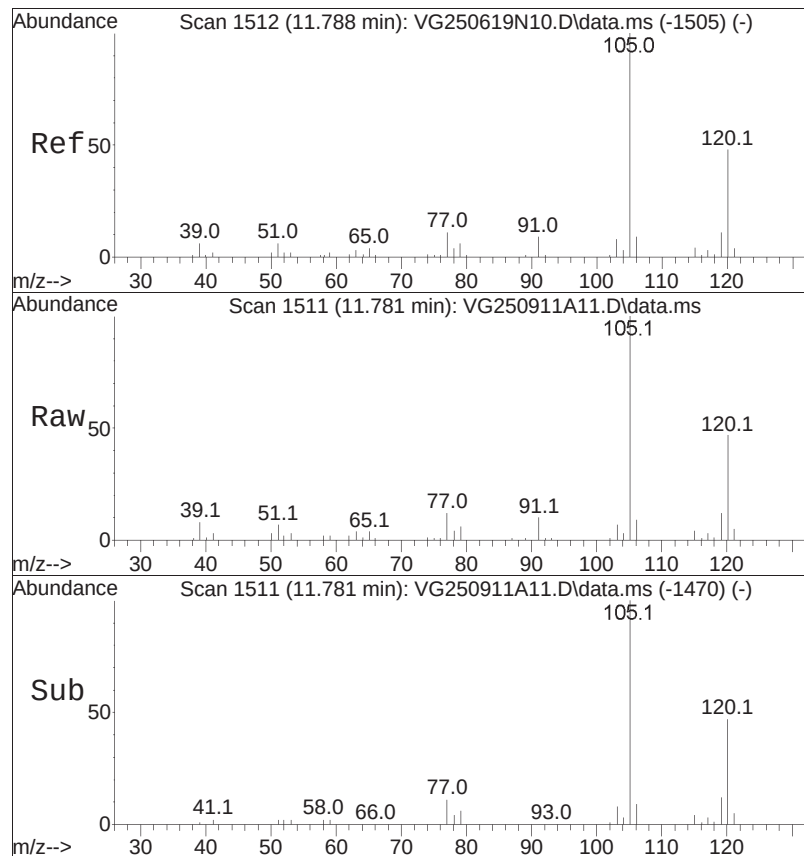




#94
 tert-Butylbenzene
 Concen: 10.68 ug/L
 RT: 11.696 min Scan# 1499
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

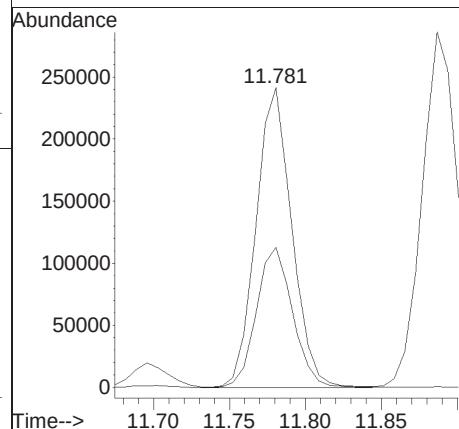
Tgt	Ion:119	Resp:	331201
Ion	Ratio	Lower	Upper
119	100		
91	64.9	50.2	75.2
134	25.0	20.2	30.2

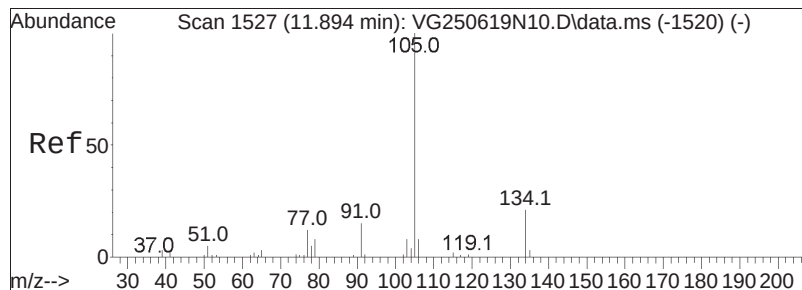




#97
 1,2,4-Trimethylbenzene
 Concen: 10.61 ug/L
 RT: 11.781 min Scan# 1511
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

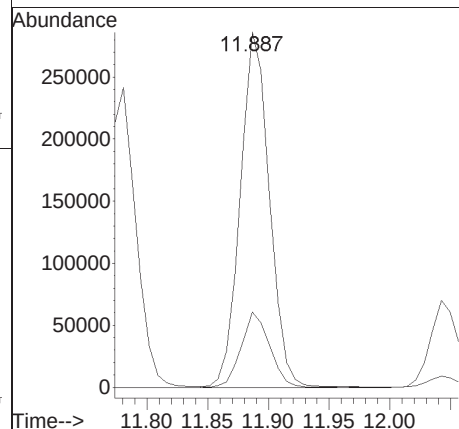
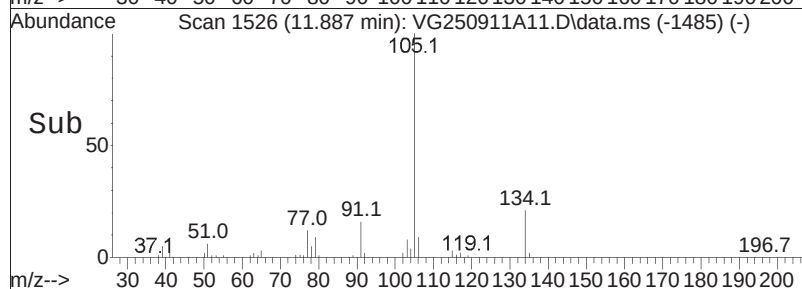
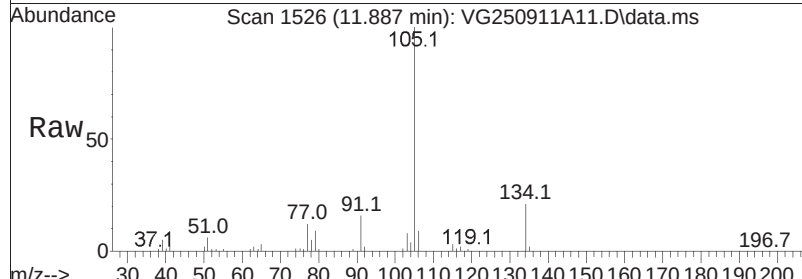
Tgt Ion	105	120	Ratio	Lower	Upper
Resp	395339				
Ratio	100	47.1		38.2	57.2

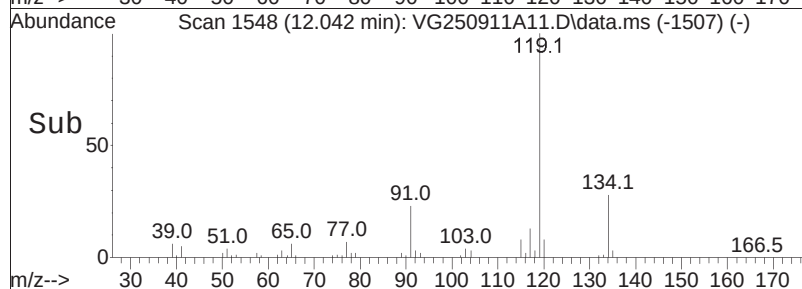
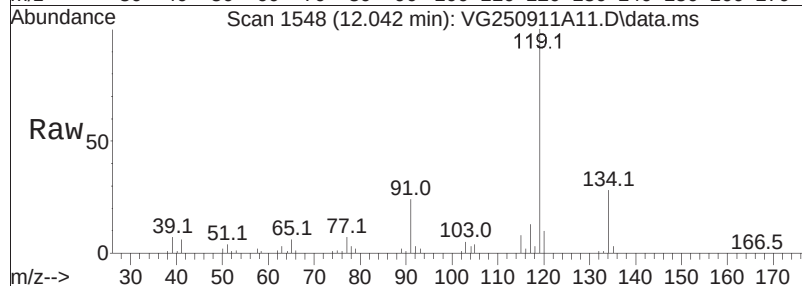
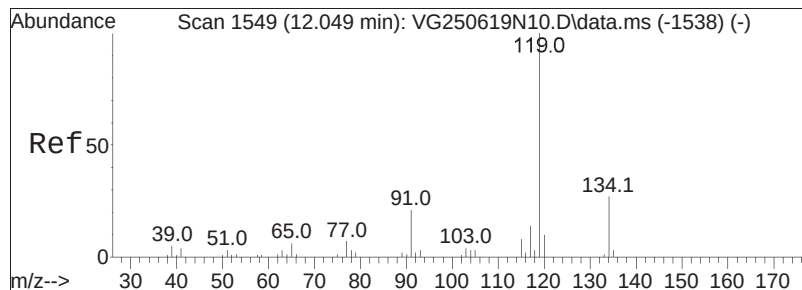




#98
 sec-Butylbenzene
 Concen: 11.31 ug/L
 RT: 11.887 min Scan# 1526
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

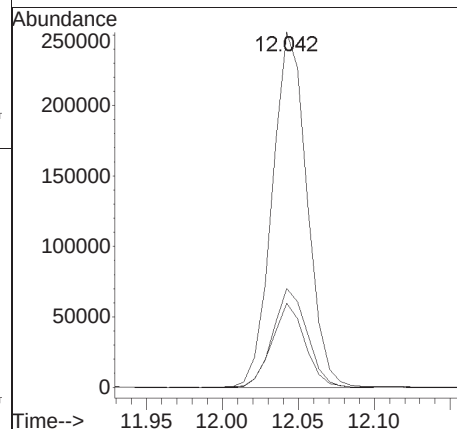
Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	13.7	28.5

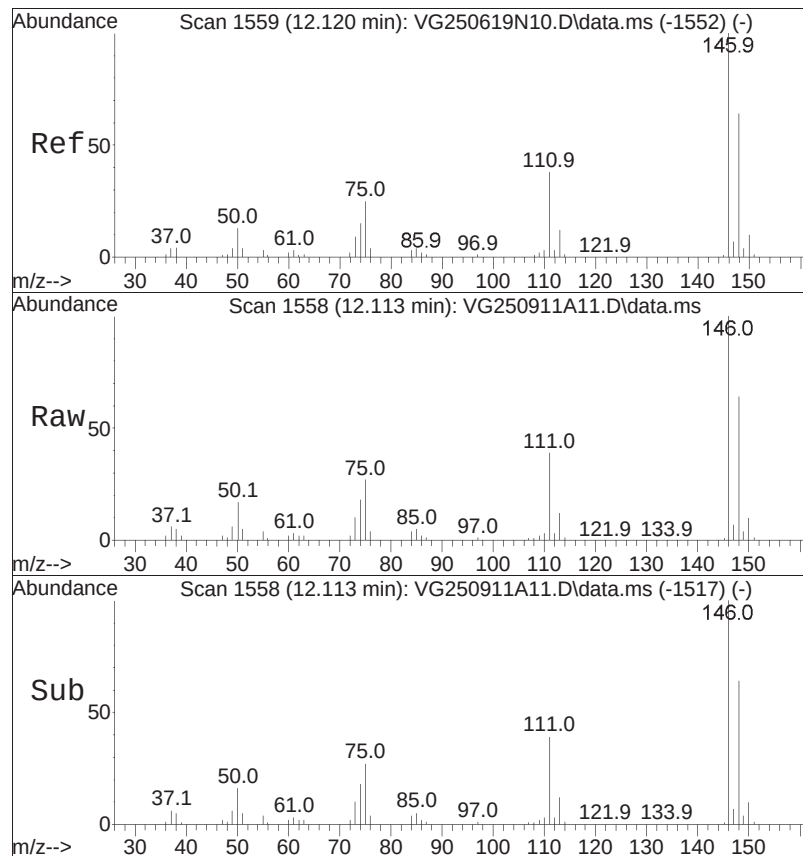




#99
 p-Isopropyltoluene
 Concen: 10.53 ug/L
 RT: 12.042 min Scan# 1548
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

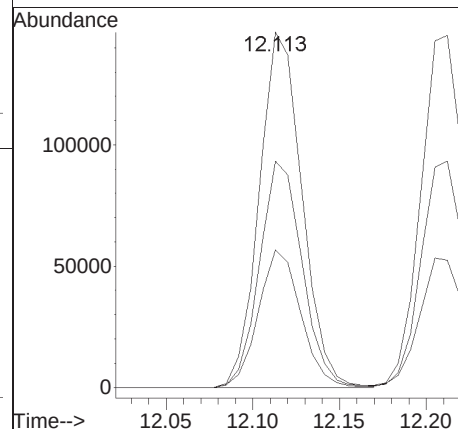
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	400681		
134	27.6		17.7	36.9
91	22.9		14.4	30.0

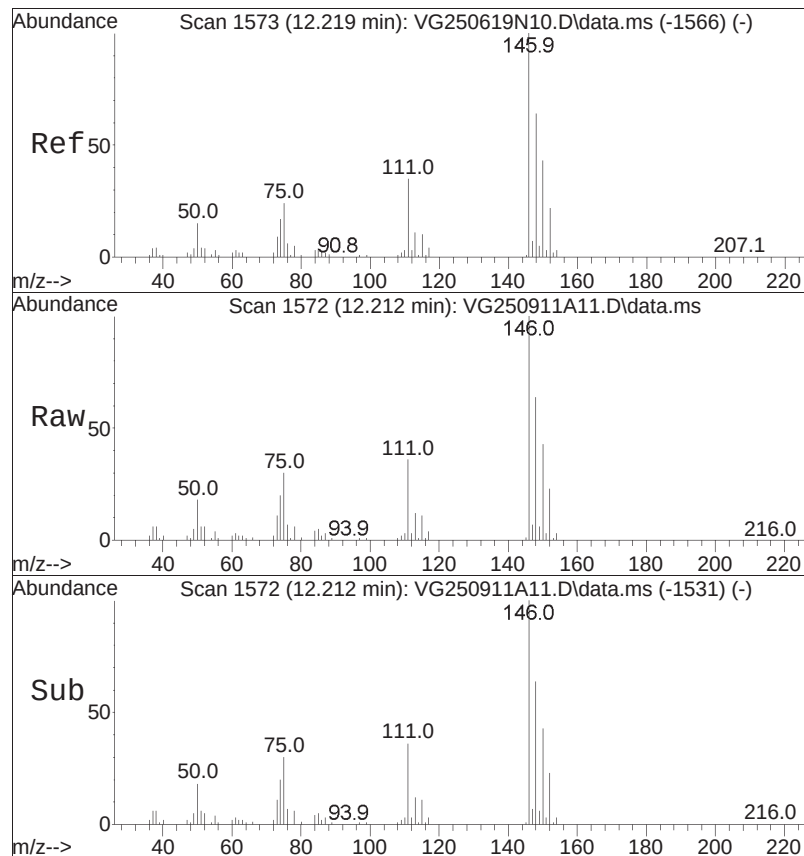




#100
 1,3-Dichlorobenzene
 Concen: 10.40 ug/L
 RT: 12.113 min Scan# 1558
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

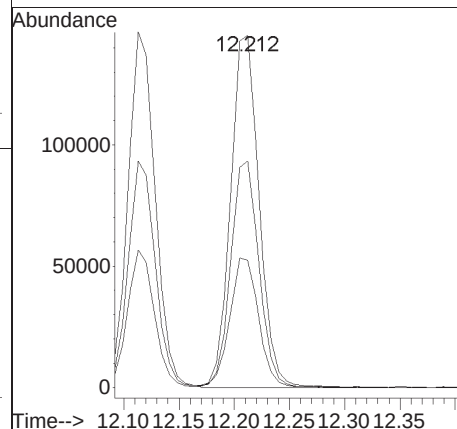
Tgt Ion:	146	Resp:	250866
Ion Ratio	Lower	Upper	
146	100		
111	38.3	23.9	49.5
148	63.5	41.2	85.6

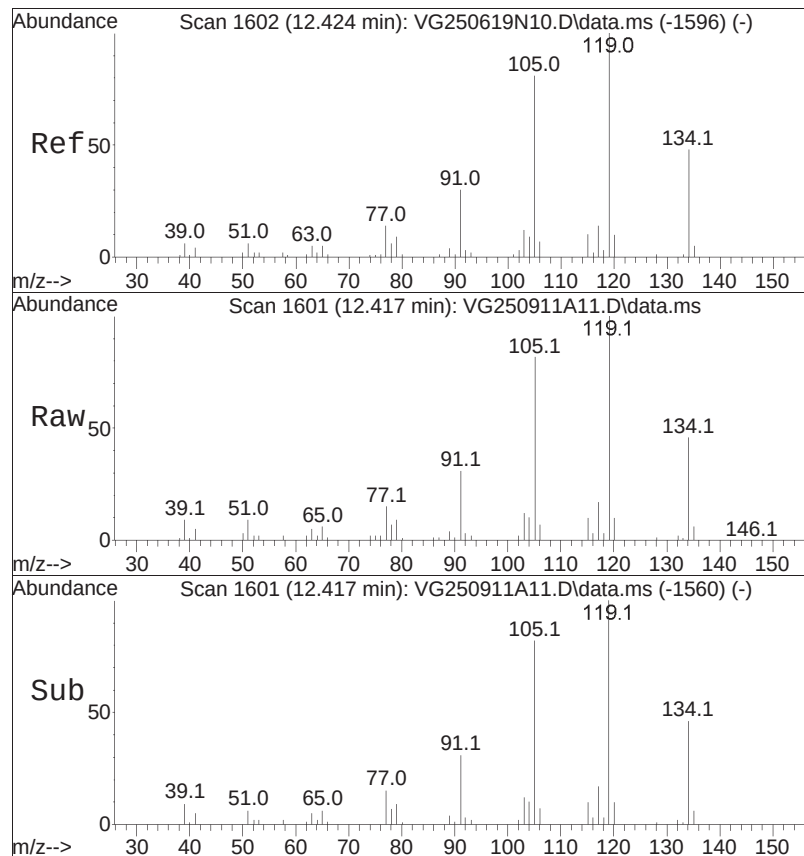




#101
 1,4-Dichlorobenzene
 Concen: 10.50 ug/L
 RT: 12.212 min Scan# 1572
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

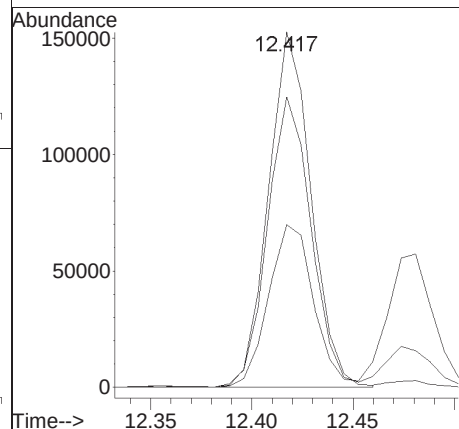
Tgt	Ion:146	Resp:	260014
Ion	Ratio	Lower	Upper
146	100		
111	37.3	28.9	43.3
148	63.0	51.2	76.8

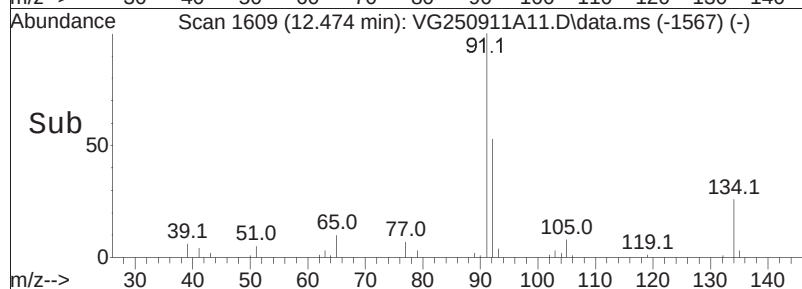
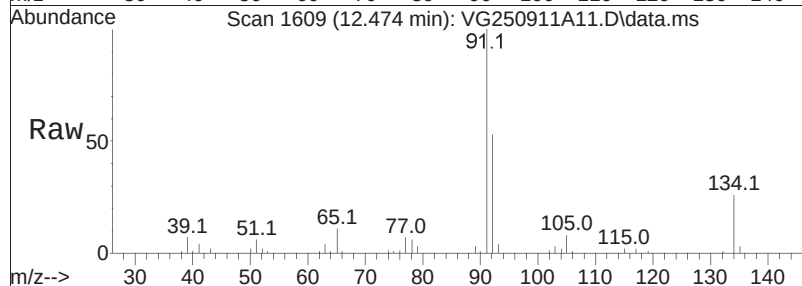
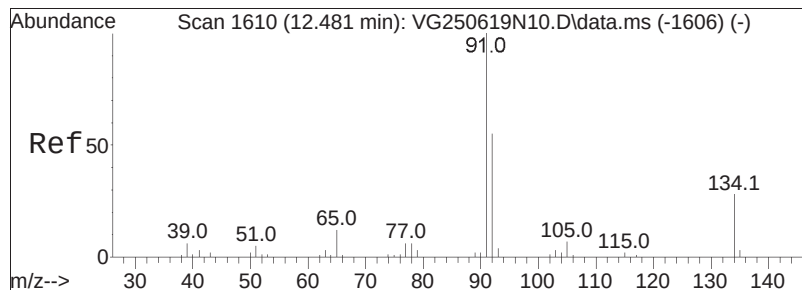




#102
 p-Diethylbenzene
 Concen: 9.89 ug/L
 RT: 12.417 min Scan# 1601
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

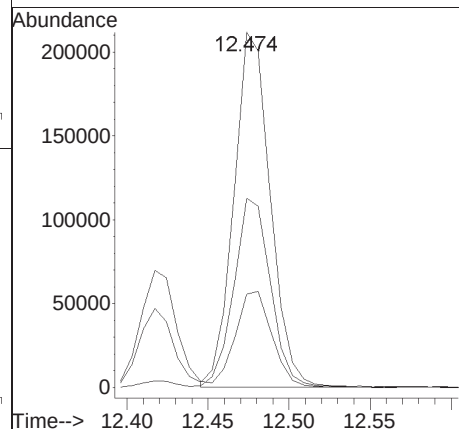
Tgt Ion:	119	Resp:	222611
Ion Ratio	Lower	Upper	
119	100		
105	83.7	52.6	109.2
134	48.9	31.9	66.3

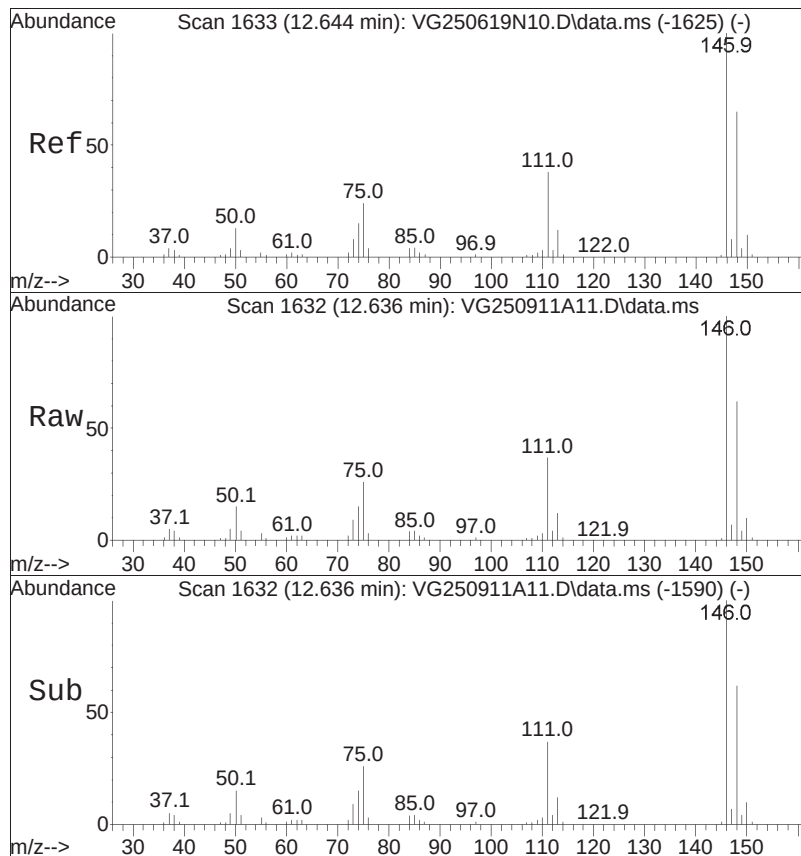




#103
 n-Butylbenzene
 Concen: 11.31 ug/L
 RT: 12.474 min Scan# 1609
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

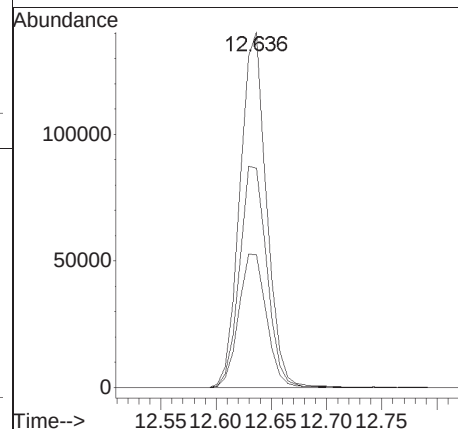
Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.1	66.1
134	27.3	23.1	34.7

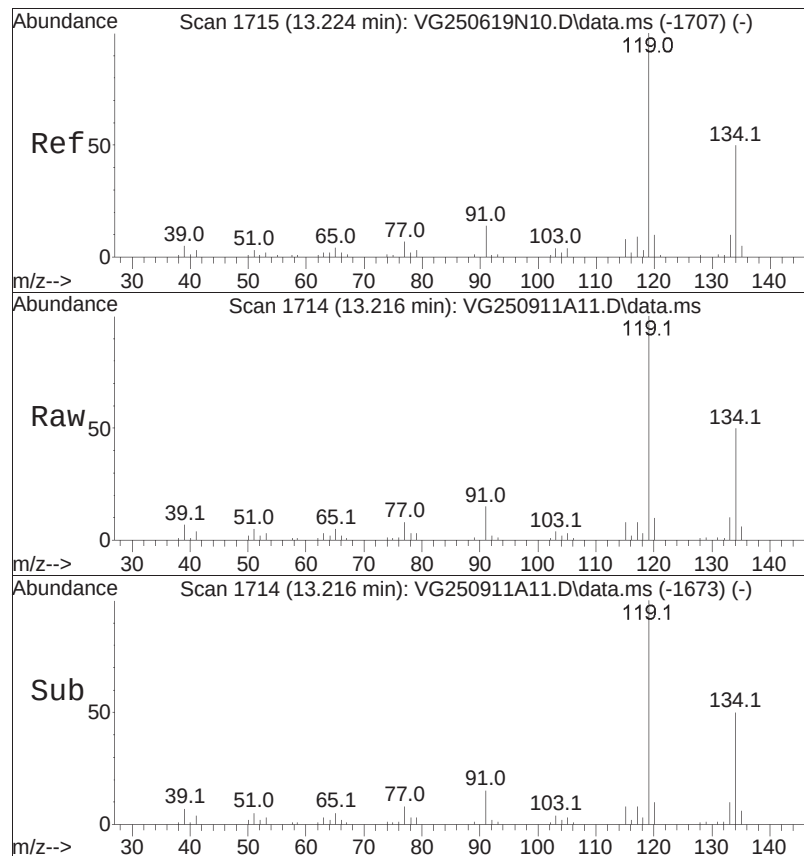




#104
1,2-Dichlorobenzene
Concen: 10.17 ug/L
RT: 12.636 min Scan# 1632
Delta R.T. -0.007 min
Lab File: VG250911A11.D
Acq: 11 Sep 2025 11:45 am

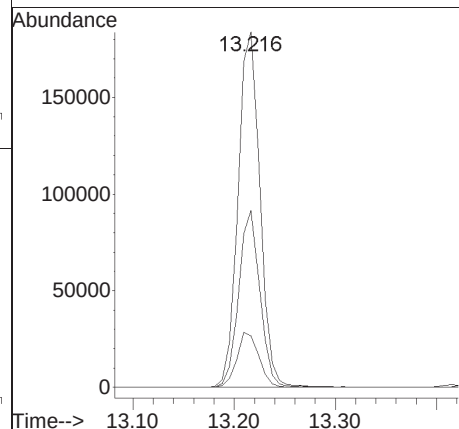
Tgt Ion:	146	Resp:	234363
Ion Ratio	Lower	Upper	
146	100		
111	39.2	24.6	51.0
148	64.1	41.4	86.0

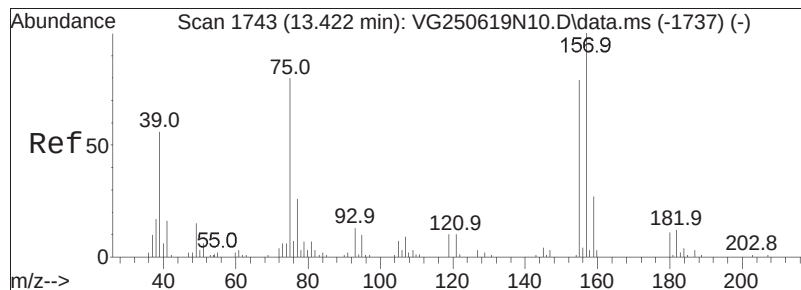




#105
 1,2,4,5-Tetramethylbenzene
 Concen: 8.14 ug/L
 RT: 13.216 min Scan# 1714
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

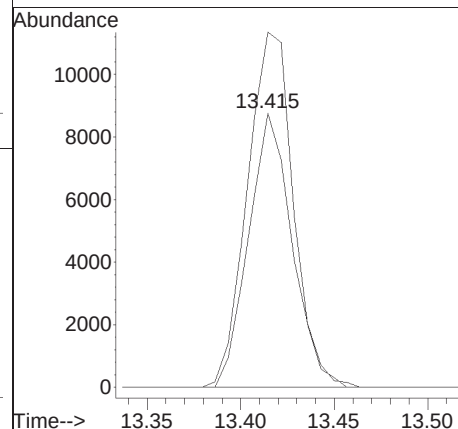
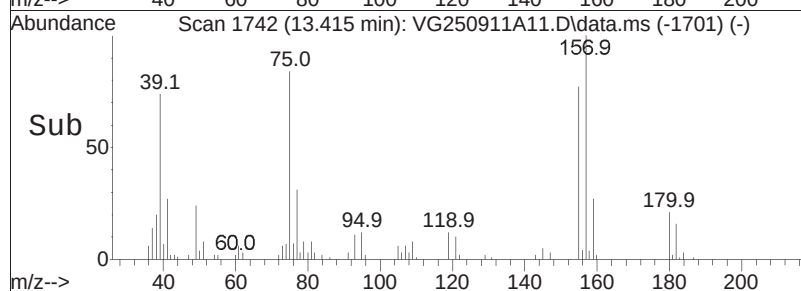
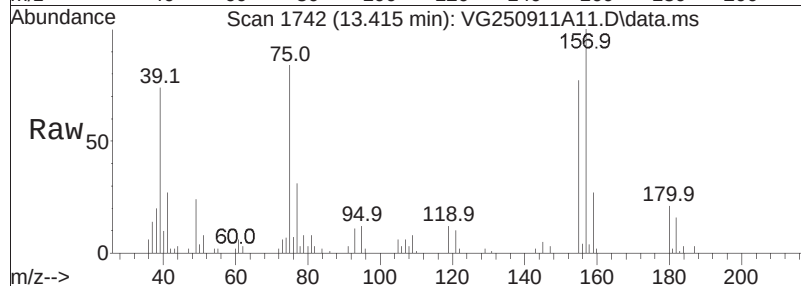
Tgt Ion:	119	Resp:	277346
Ion Ratio	Lower	Upper	
119	100		
134	48.3	32.1	66.7
91	15.6	9.6	20.0

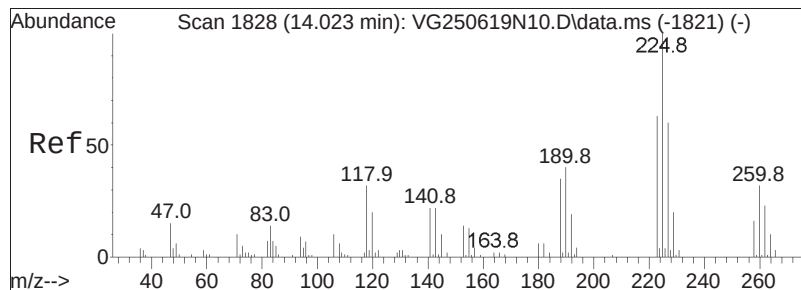




#106
 1,2-Dibromo-3-chloropropane
 Concen: 6.98 ug/L
 RT: 13.415 min Scan# 1742
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

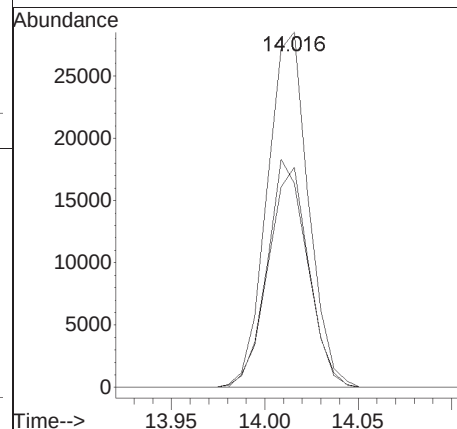
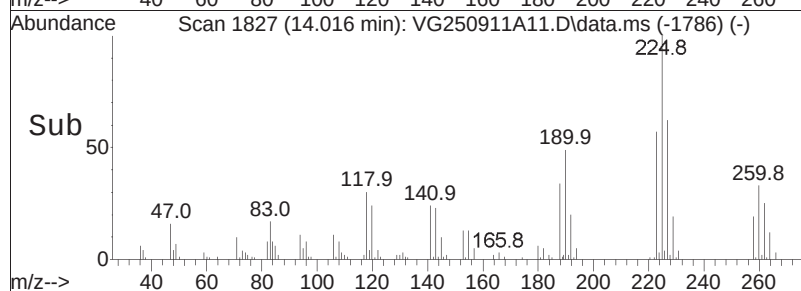
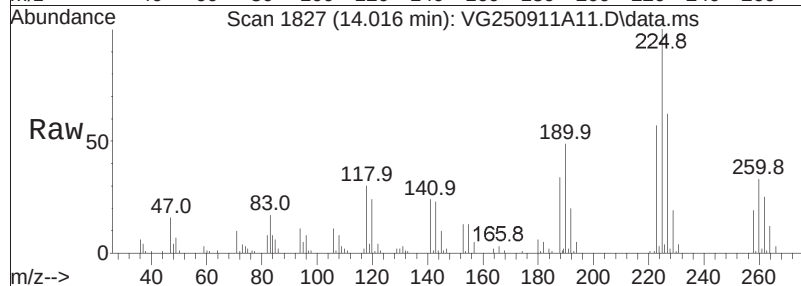
Tgt Ion	Ratio	Lower	Upper
155	100		
157	135.5	99.0	148.6

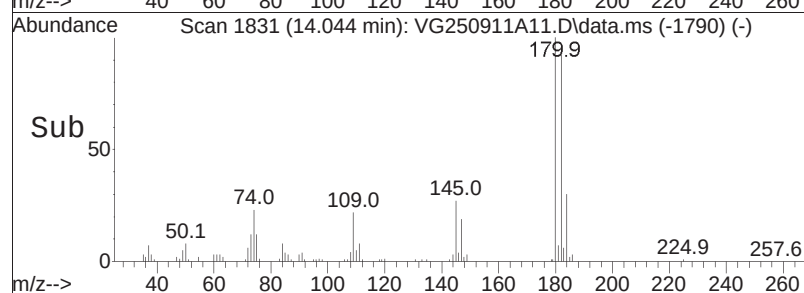
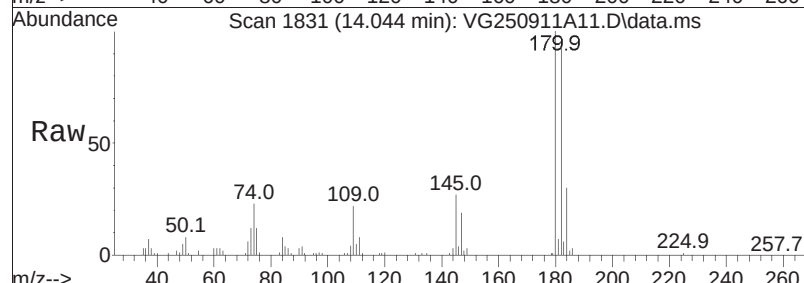
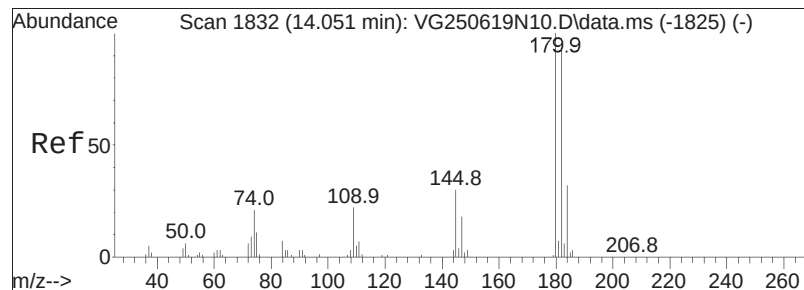




#108
 Hexachlorobutadiene
 Concen: 9.09 ug/L
 RT: 14.016 min Scan# 1827
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

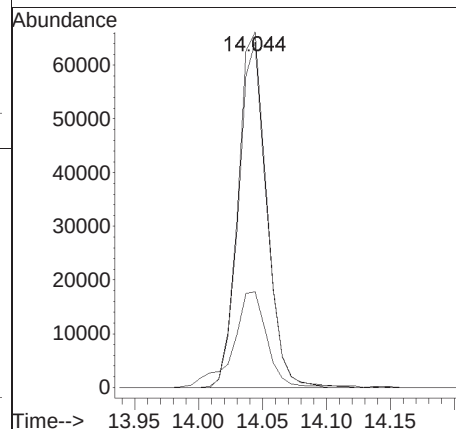
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43785		
223	62.9		50.5	75.7
227	61.6		50.8	76.2

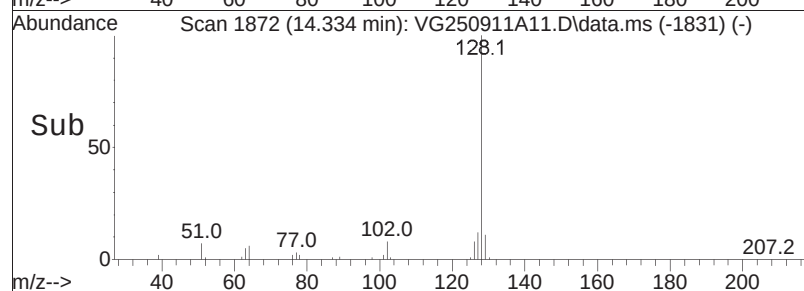
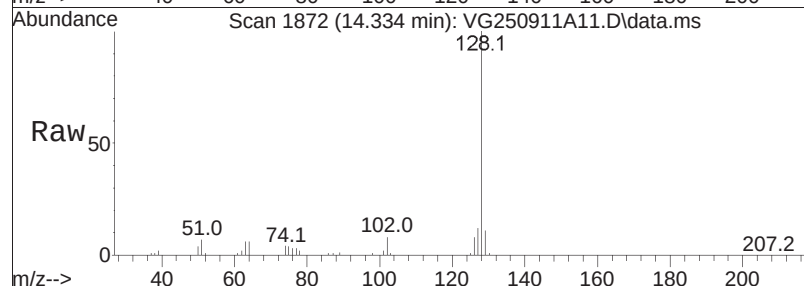
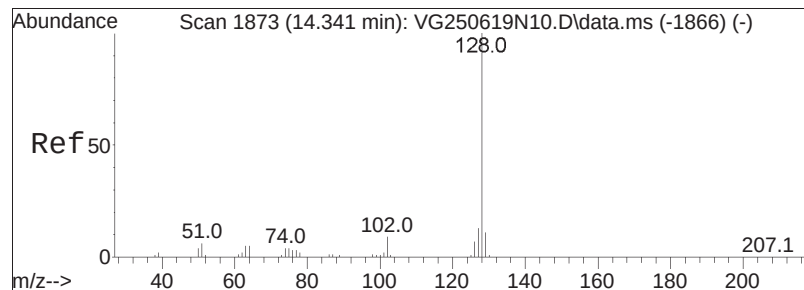




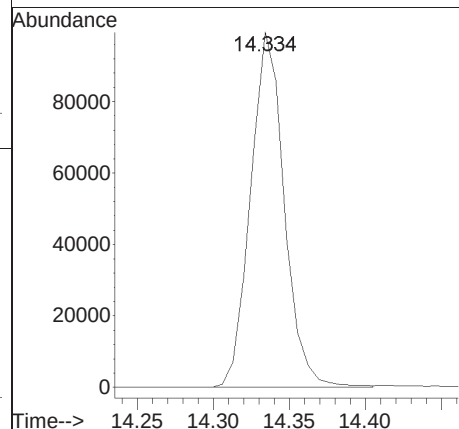
#109
 1,2,4-Trichlorobenzene
 Concen: 7.93 ug/L
 RT: 14.044 min Scan# 1831
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

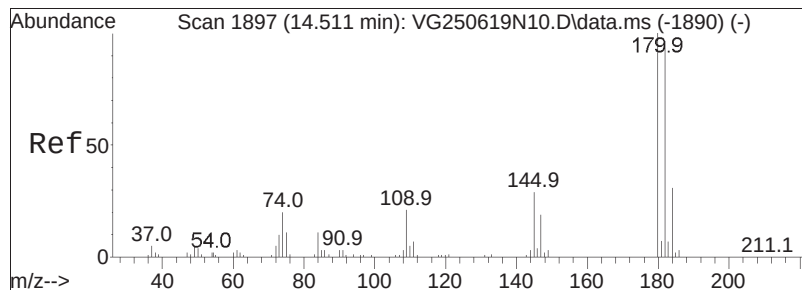
Tgt Ion:	180	Resp:	103432
Ion Ratio	Lower	Upper	
180	100		
182	95.2	76.0	114.0
145	31.6	25.3	37.9





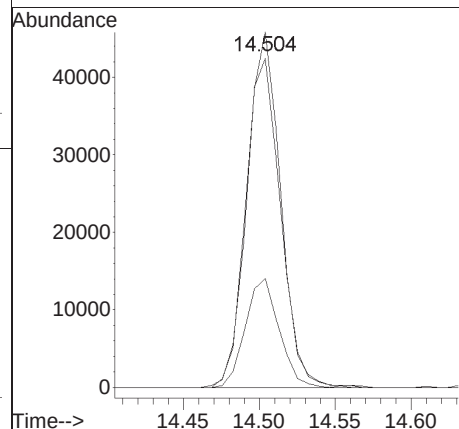
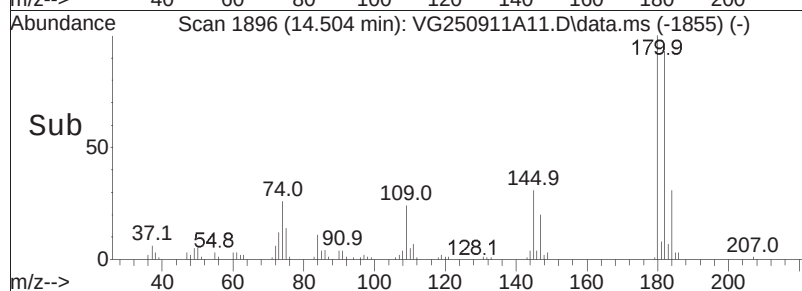
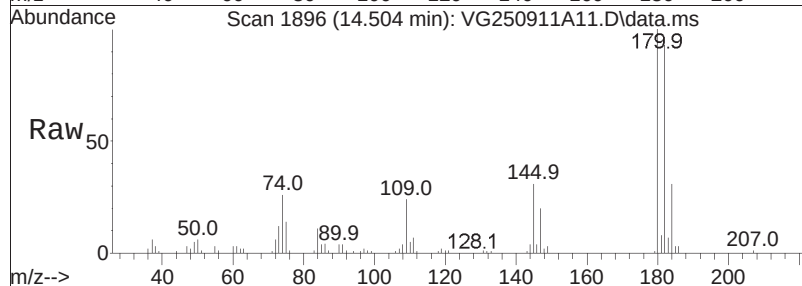
#110
 Naphthalene
 Concen: 5.66 ug/L
 RT: 14.334 min Scan# 1872
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am
 Tgt Ion:128 Resp: 153855





#111
 1,2,3-Trichlorobenzene
 Concen: 7.06 ug/L
 RT: 14.504 min Scan# 1896
 Delta R.T. -0.007 min
 Lab File: VG250911A11.D
 Acq: 11 Sep 2025 11:45 am

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
145	30.6	24.1	36.1



Manual Integration Report

Data Path	: K:\Gonzo\2025\250911A\	QMethod	: G_250619N_8260.m
Data File	: VG250911A11.D	Operator	: GONZO:mjv
Date Inj'd	: 9/11/2025 11:45 am	Instrument	: Gonzo
Sample	: WG2113862-6,31,10,10,,A1	Quant Date	: 9/12/2025 7:53 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A12.D
 Acq On : 11 Sep 2025 12:11 pm
 Operator : GONZO:mjv
 Sample : WG2113862-7,31,10,10,,A2 (Sig #1); L2554658-01MSD,31,10,10,,A2 (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 12 08:04:31 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NYTCL+Iodomethane - NYTSTD+IM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.950	96	488935	10.000	ug/L	0.00
Standard Area 1 = 503476			Recovery	=	97.11%	
59) Chlorobenzene-d5	9.477	117	372703	10.000	ug/L	0.00
Standard Area 1 = 390080			Recovery	=	95.55%	
79) 1,4-Dichlorobenzene-d4	12.191	152	210983	10.000	ug/L	0.00
Standard Area 1 = 223601			Recovery	=	94.36%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.150	113	128766	10.146	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.46%	
43) 1,2-Dichloroethane-d4	5.667	65	157730	12.139	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	121.39%	
60) Toluene-d8	7.636	98	481100	10.392	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.92%	
83) 4-Bromofluorobenzene	10.981	95	176585	10.148	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.48%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.614	85	118385	11.049	ug/L	99
3) Chloromethane	1.820	50	119677	11.959	ug/L	98
4) Vinyl chloride	1.877	62	121441	11.030	ug/L	99
5) Bromomethane	2.176	94	28899	3.828	ug/L	93
6) Chloroethane	2.276	64	87824	11.753	ug/L	96
7) Trichlorofluoromethane	2.425	101	165716	11.259	ug/L	97
8) Ethyl ether	2.717	74	56558	10.623	ug/L #	81
10) 1,1-Dichloroethene	2.909	96	102082	11.529	ug/L	85
11) Carbon disulfide	2.944	76	337801	12.596	ug/L	100
13) Iodomethane	3.051	142	34780	4.004	ug/L	95
15) Methylene chloride	3.464	84	116603	10.826	ug/L	86
17) Acetone	3.506	43	33455	15.984	ug/L	94
18) trans-1,2-Dichloroethene	3.613	96	108499	11.308	ug/L	90
20) Methyl tert-butyl ether	3.698	73	289736	10.368	ug/L #	92
23) 1,1-Dichloroethane	4.189	63	213735	12.596	ug/L	98
25) Acrylonitrile	4.246	53	32322	12.019	ug/L	99
27) Vinyl acetate	4.424	43	222649	12.306	ug/L #	93
28) cis-1,2-Dichloroethene	4.709	96	120228	10.764	ug/L #	85
29) 2,2-Dichloropropane	4.801	77	155841	10.977	ug/L #	82
30) Bromochloromethane	4.901	128	56136	10.736	ug/L #	81

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A12.D
 Acq On : 11 Sep 2025 12:11 pm
 Operator : GONZO:mjv
 Sample : WG2113862-7,31,10,10,,A2 (Sig #1); L2554658-01MSD,31,10,10,,A2 (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 12 08:04:31 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NYTCL+Iodomethane - NYTSTD+IM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Chloroform	4.972	83	199764	11.441	ug/L	# 95
34) Carbon tetrachloride	5.093	117	158464	11.364	ug/L	98
37) 1,1,1-Trichloroethane	5.164	97	177021	11.586	ug/L	96
39) 2-Butanone	5.264	43	40493M6	12.781	ug/L	
40) 1,1-Dichloropropene	5.285	75	149669	12.332	ug/L	95
41) Benzene	5.526	78	452012	11.854	ug/L	97
44) 1,2-Dichloroethane	5.738	62	152816	12.225	ug/L	98
48) Trichloroethene	6.126	95	121908	11.669	ug/L	96
50) Dibromomethane	6.570	93	64842	10.276	ug/L	92
51) 1,2-Dichloropropane	6.669	63	118083	12.049	ug/L	97
54) Bromodichloromethane	6.747	83	152702	11.026	ug/L	100
57) 1,4-Dioxane	6.951	88	42339	422.326	ug/L	86
58) cis-1,3-Dichloropropene	7.438	75	164618	10.151	ug/L	92
61) Toluene	7.692	92	274504	11.502	ug/L	100
62) 4-Methyl-2-pentanone	8.130	58	27858	9.567	ug/L	# 68
63) Tetrachloroethene	8.137	166	121854	11.040	ug/L	95
65) trans-1,3-Dichloropropene	8.186	75	144846	10.520	ug/L	91
67) Ethyl methacrylate	8.370	69	107361	9.629	ug/L	96
68) 1,1,2-Trichloroethane	8.370	83	79185	11.186	ug/L	93
69) Chlorodibromomethane	8.581	129	110639	9.781	ug/L	97
70) 1,3-Dichloropropane	8.687	76	159280	11.554	ug/L	99
71) 1,2-Dibromoethane	8.857	107	91302	10.151	ug/L	99
72) 2-Hexanone	9.139	43	52516	10.866	ug/L	90
73) Chlorobenzene	9.499	112	321506	11.373	ug/L	98
74) Ethylbenzene	9.534	91	528193	11.560	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.583	131	112751	10.373	ug/L	99
76) p/m Xylene	9.717	106	413876	22.746	ug/L	97
77) o Xylene	10.261	106	399071	21.874	ug/L	98
78) Styrene	10.331	104	675863	21.590	ug/L	98
80) Bromoform	10.366	173	69899	8.814	ug/L	100
82) Isopropylbenzene	10.649	105	492985	11.477	ug/L	99
84) Bromobenzene	11.095	156	138154	10.508	ug/L	100
85) n-Propylbenzene	11.130	91	587967	11.970	ug/L	98
86) 1,4-Dichlorobutane	11.158	55	173423	12.351	ug/L	98
87) 1,1,2,2-Tetrachloroethane	11.229	83	117824	10.603	ug/L	99
88) 4-Ethyltoluene	11.257	105	491467	11.595	ug/L	97
89) 2-Chlorotoluene	11.300	91	362308	11.736	ug/L	98
90) 1,3,5-Trimethylbenzene	11.356	105	425500	11.520	ug/L	98
91) 1,2,3-Trichloropropane	11.370	75	93786	11.105	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2025\250911A\
 Data File : VG250911A12.D
 Acq On : 11 Sep 2025 12:11 pm
 Operator : GONZO:mjv
 Sample : WG2113862-7,31,10,10,,A2 (Sig #1); L2554658-01MSD,31,10,10,,A2 (Sig #2)
 Misc : WG2113862,ICAL22400 (Sig #1); WG,ICAL22400 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 12 08:04:31 2025
 Quant Method : K:\Gonzo\2025\250911A\G_250619N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 20 07:10:41 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2025\250911A\VG250911A01.D
 Sub List : 8260-NYTCL+Iodomethane - NYTSTD+IM

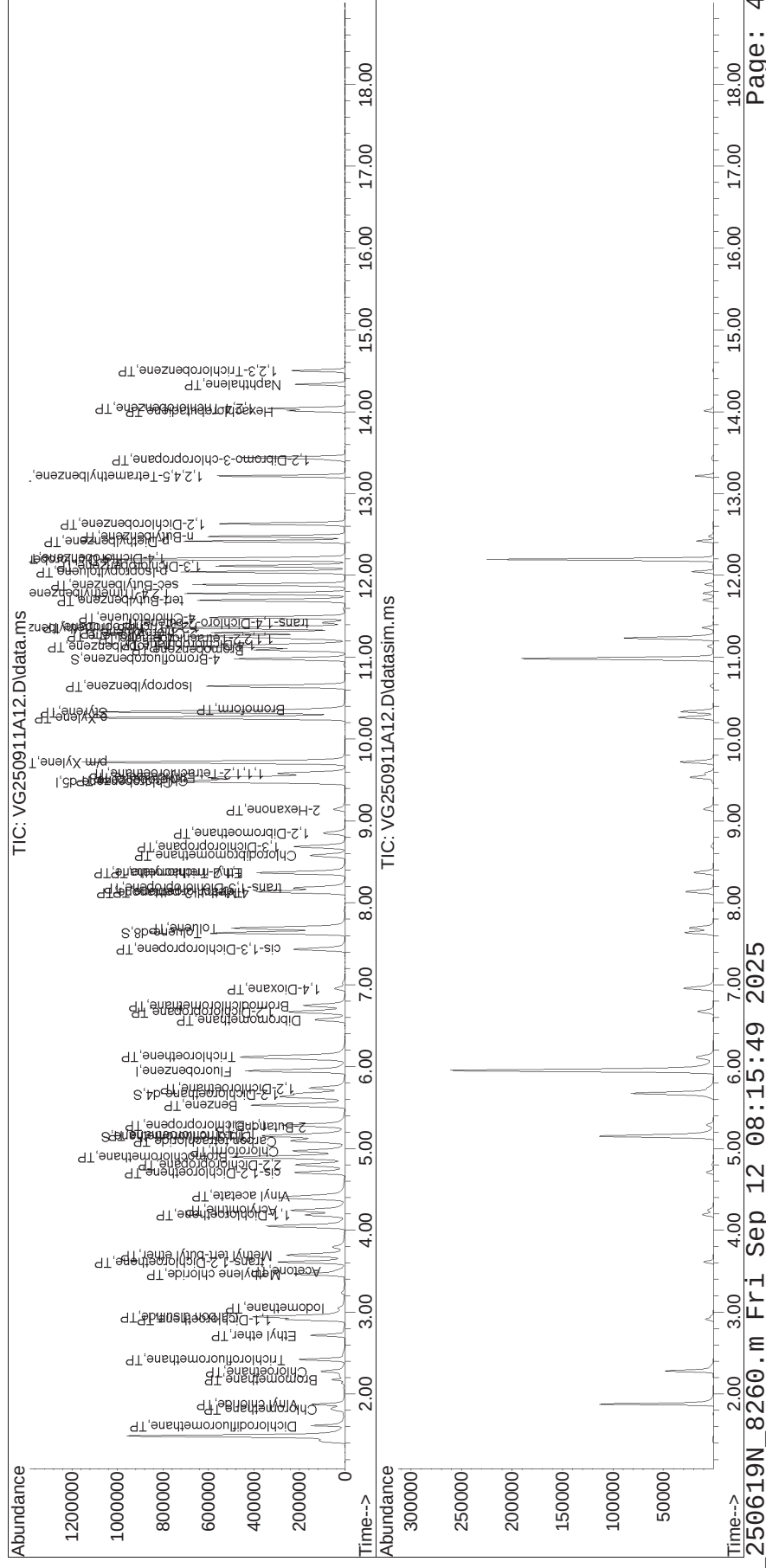
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	trans-1,4-Dichloro-2-b...	11.420	53	24865	8.020	ug/L	# 76
93)	4-Chlorotoluene	11.484	91	380792	11.727	ug/L	98
94)	tert-Butylbenzene	11.696	119	340514	11.102	ug/L	97
97)	1,2,4-Trimethylbenzene	11.781	105	410125	11.125	ug/L	98
98)	sec-Butylbenzene	11.887	105	492450	11.773	ug/L	99
99)	p-Isopropyltoluene	12.042	119	417194	11.089	ug/L	99
100)	1,3-Dichlorobenzene	12.113	146	259092	10.857	ug/L	99
101)	1,4-Dichlorobenzene	12.212	146	264950	10.813	ug/L	99
102)	p-Diethylbenzene	12.417	119	235361	10.577	ug/L	98
103)	n-Butylbenzene	12.474	91	345584	11.949	ug/L	98
104)	1,2-Dichlorobenzene	12.629	146	239471	10.507	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.217	119	290521	8.624	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.415	155	15625	7.714	ug/L	100
108)	Hexachlorobutadiene	14.009	225	46572	9.777	ug/L	98
109)	1,2,4-Trichlorobenzene	14.044	180	107949	8.367	ug/L	99
110)	Naphthalene	14.334	128	165929	6.176	ug/L	100
111)	1,2,3-Trichlorobenzene	14.504	180	73354	7.393	ug/L	99

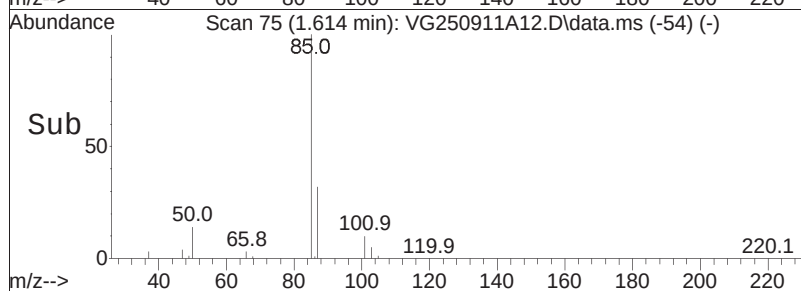
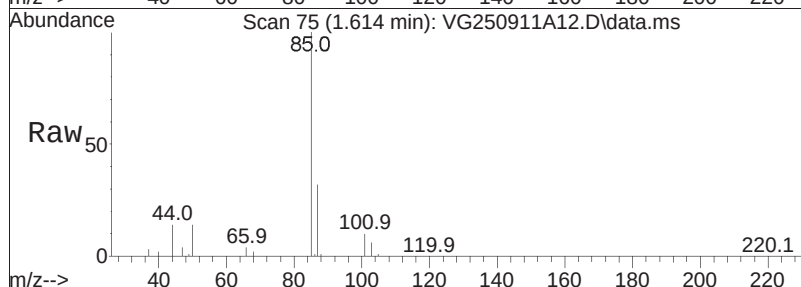
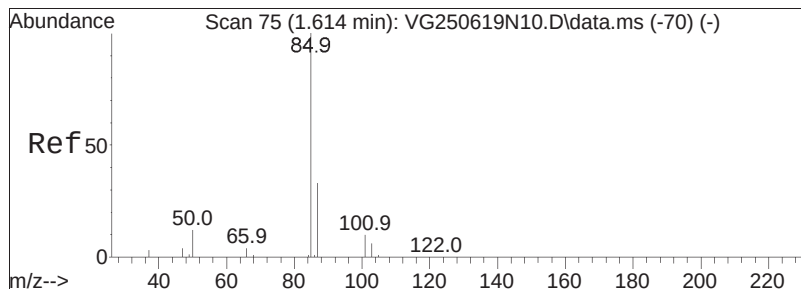
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10, 10, A2 (Sig #2)

2025

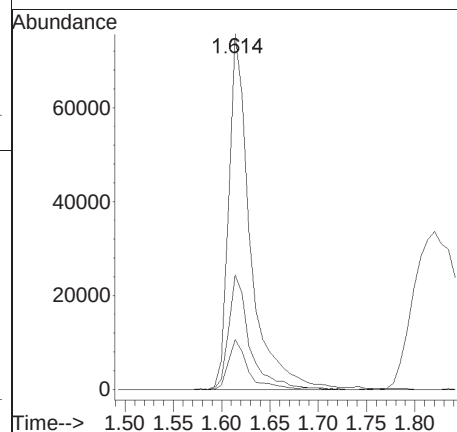
50011ANVT85D9IMA01.D.

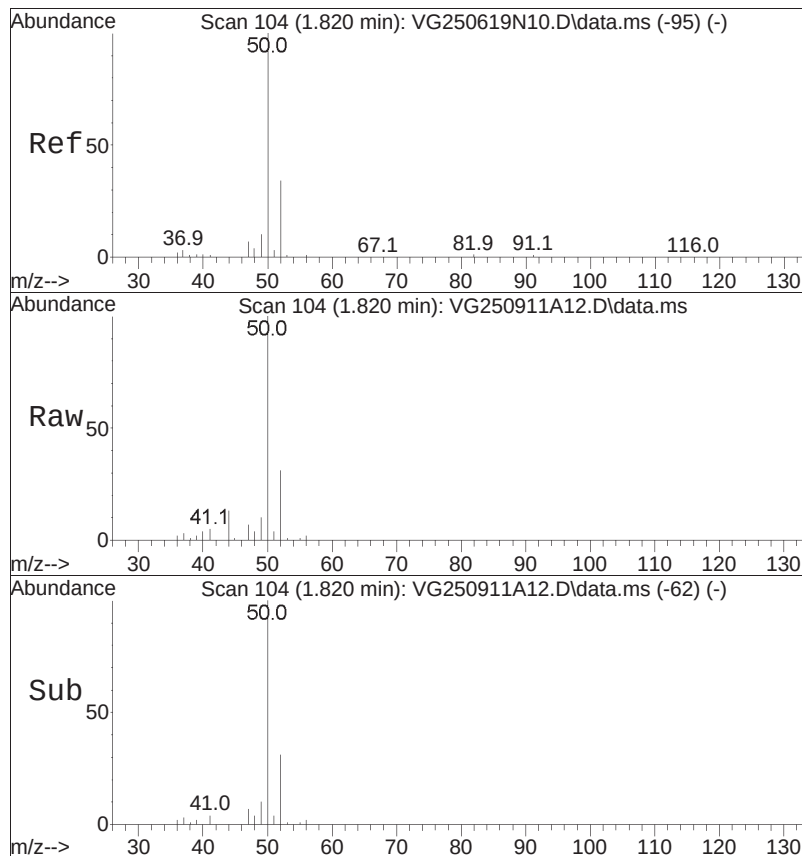




#2
 Dichlorodifluoromethane
 Concen: 11.05 ug/L
 RT: 1.614 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

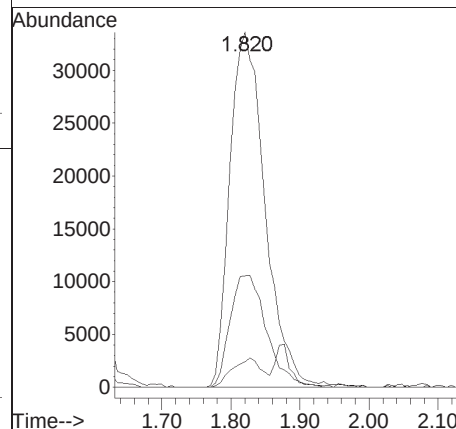
Tgt Ion:	85	Resp:	118385
Ion Ratio	Lower	Upper	
85	100		
87	31.3	20.7	42.9
50	12.8	8.1	16.7

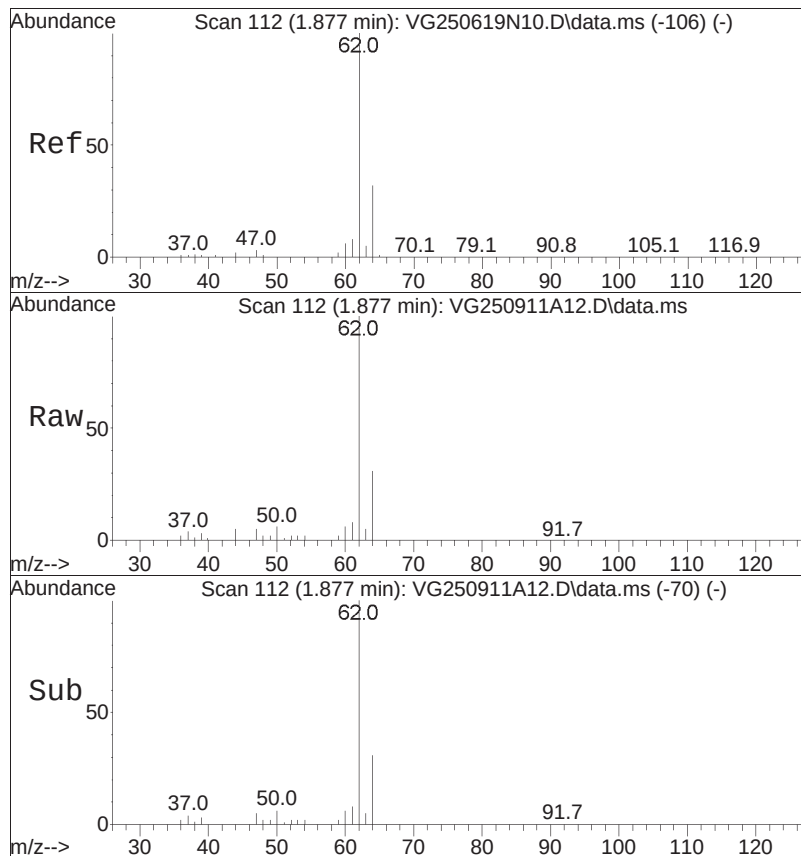




#3
 Chloromethane
 Concen: 11.96 ug/L
 RT: 1.820 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

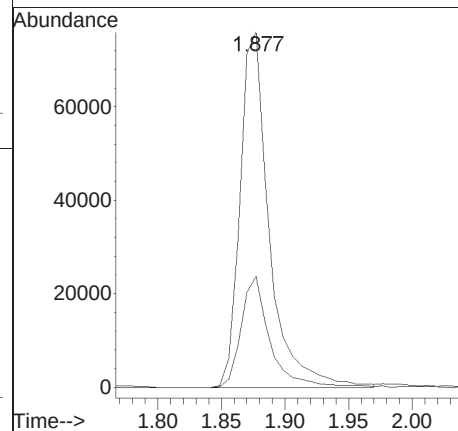
Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.7	11.6	51.6
47	7.0	0.0	26.4

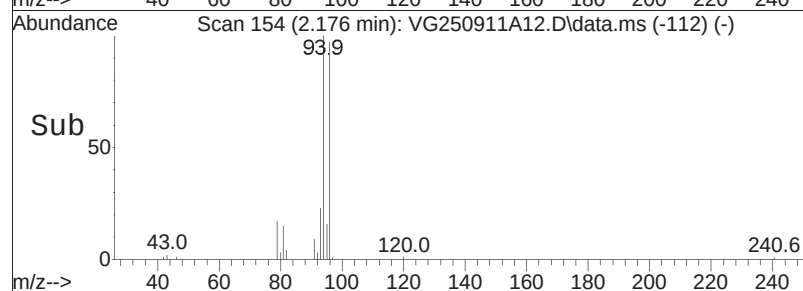
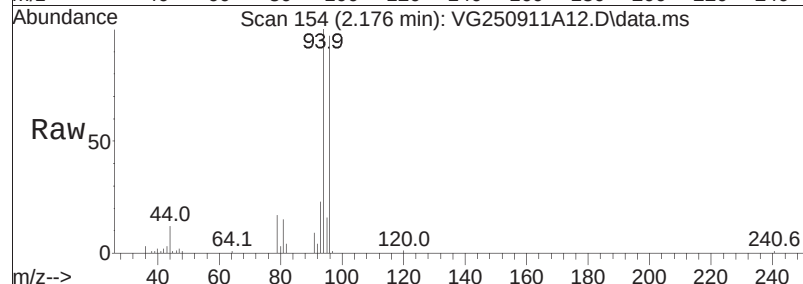
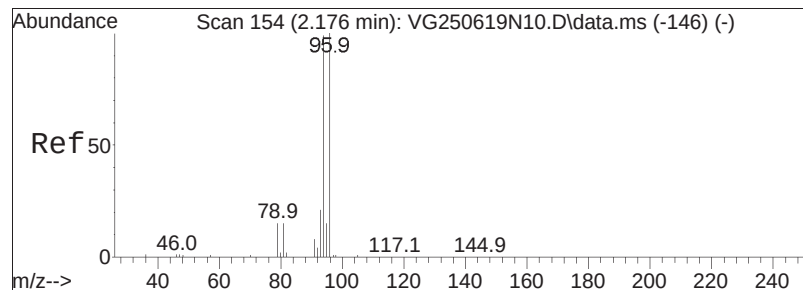




#4
 Vinyl chloride
 Concen: 11.03 ug/L
 RT: 1.877 min Scan# 112
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

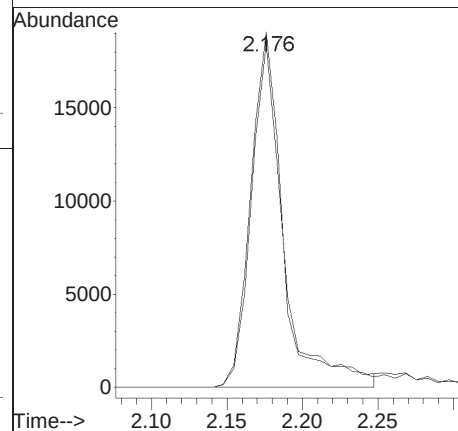
Tgt	Ion	Ratio	Lower	Upper
62	100			
64	30.9	11.5	51.5	

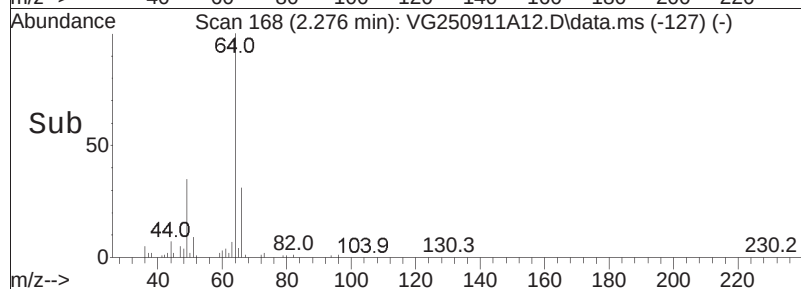
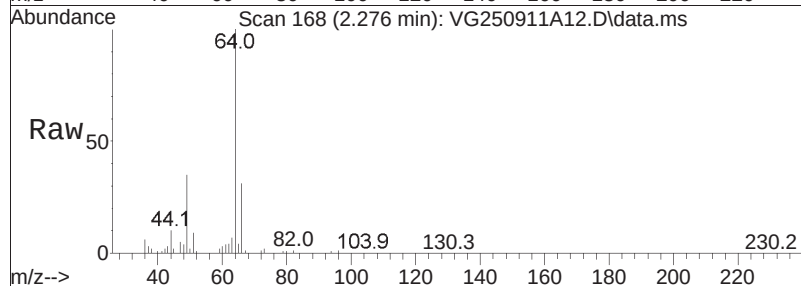
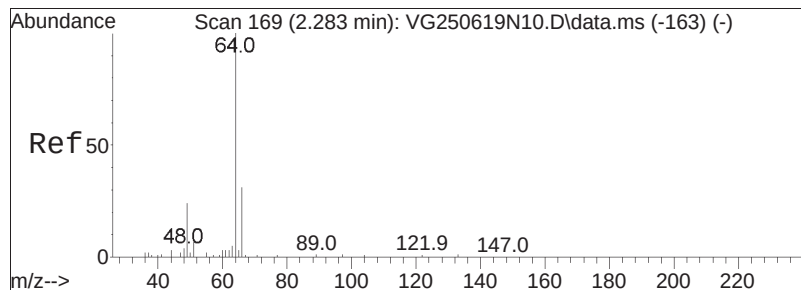




#5
 Bromomethane
 Concen: 3.83 ug/L
 RT: 2.176 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

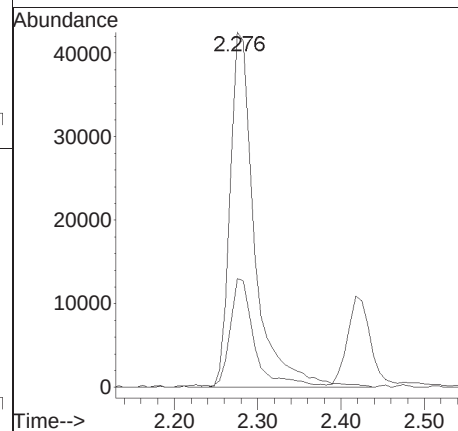
Tgt Ion	Ratio	Lower	Upper
94	100		
96	102.9	75.8	115.8

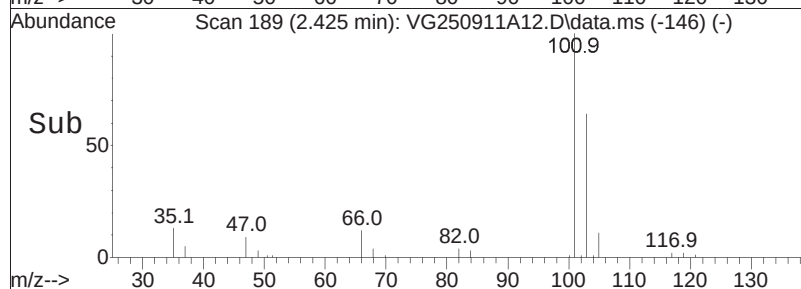
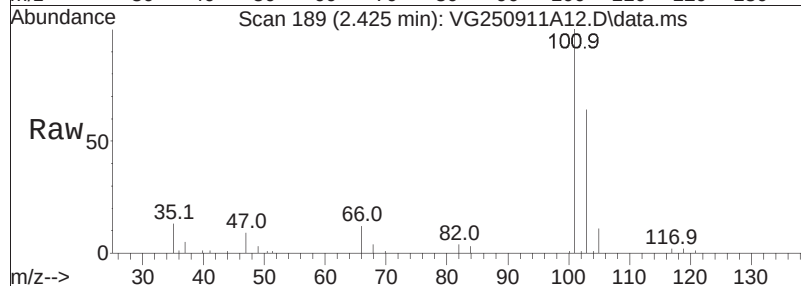
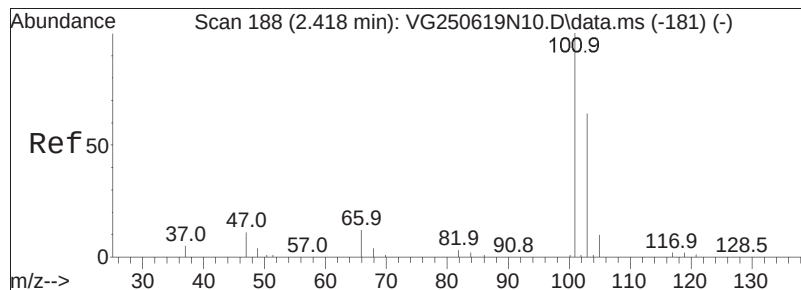




#6
 Chloroethane
 Concen: 11.75 ug/L
 RT: 2.276 min Scan# 168
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.5	12.9	52.9





#7

Trichlorofluoromethane

Concen: 11.26 ug/L

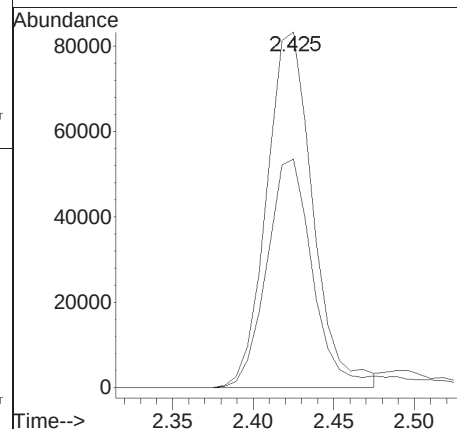
RT: 2.425 min Scan# 189

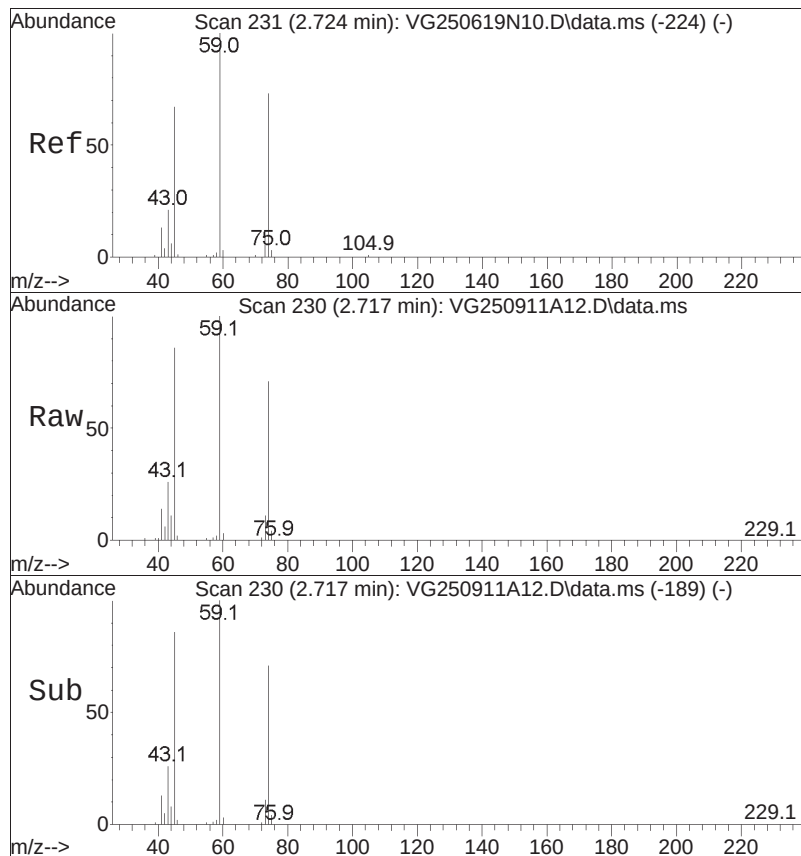
Delta R.T. 0.007 min

Lab File: VG250911A12.D

Acq: 11 Sep 2025 12:11 pm

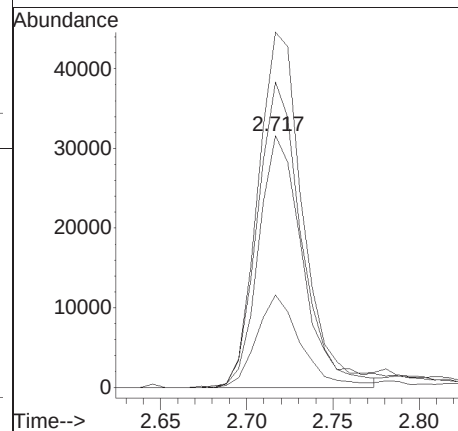
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	103	63.0	52.2	78.2

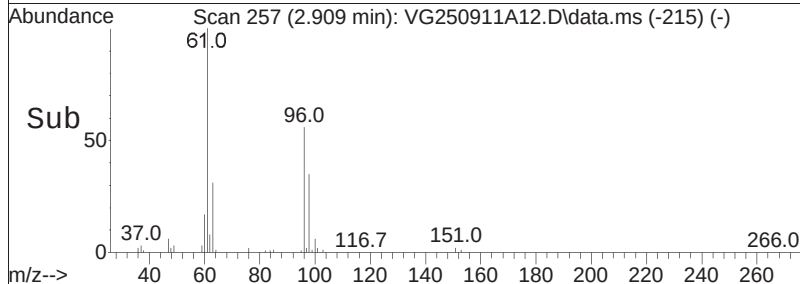
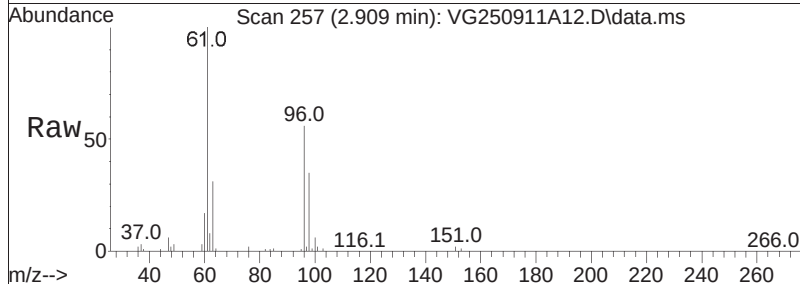
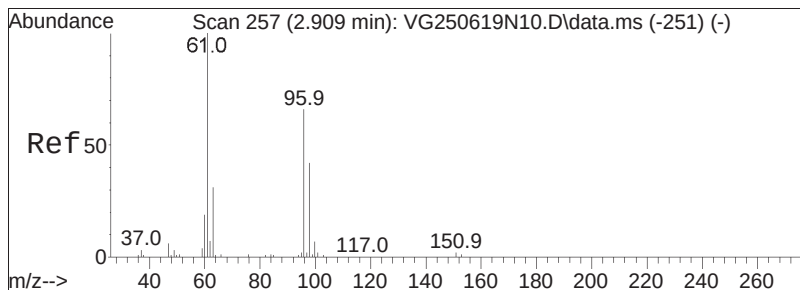




#8
 Ethyl ether
 Concen: 10.62 ug/L
 RT: 2.717 min Scan# 230
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

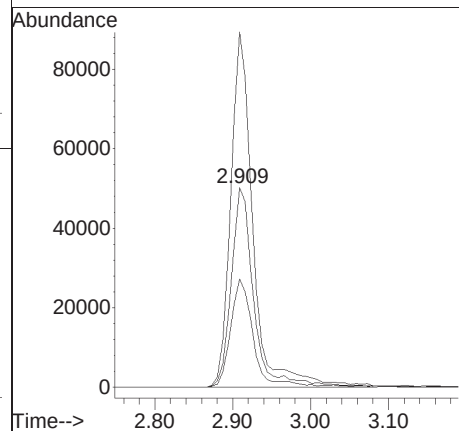
Tgt Ion:	74	Resp:	56558
Ion	Ratio	Lower	Upper
74	100		
59	142.4	86.5	179.7
45	129.2	62.3	129.5
43	36.4	16.4	34.2#

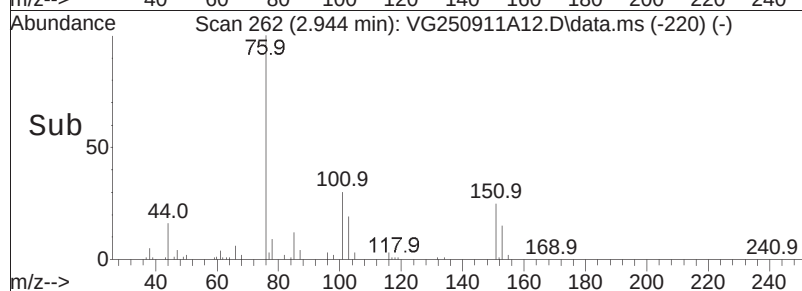
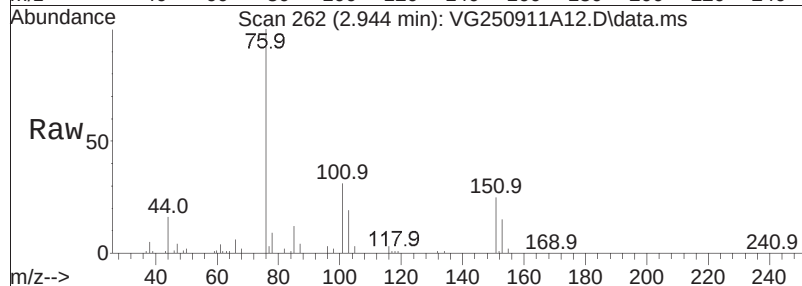
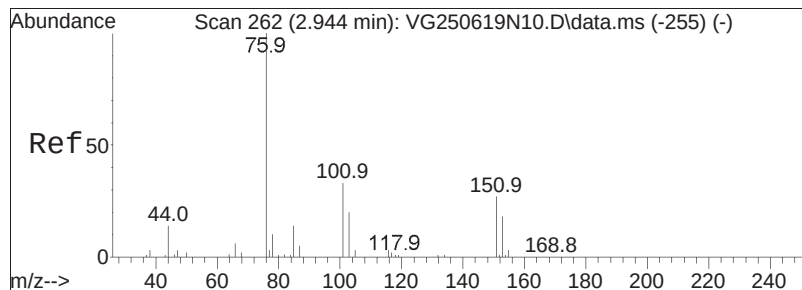




#10
 1,1-Dichloroethene
 Concen: 11.53 ug/L
 RT: 2.909 min Scan# 257
 Delta R.T. -0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.4	121.1	181.7
63	53.7	38.5	57.7





#11

Carbon disulfide

Concen: 12.60 ug/L

RT: 2.944 min Scan# 262

Delta R.T. 0.000 min

Lab File: VG250911A12.D

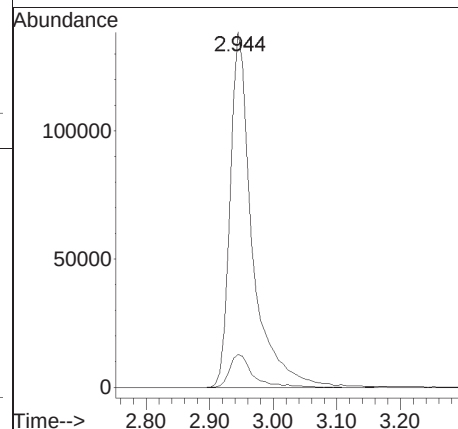
Acq: 11 Sep 2025 12:11 pm

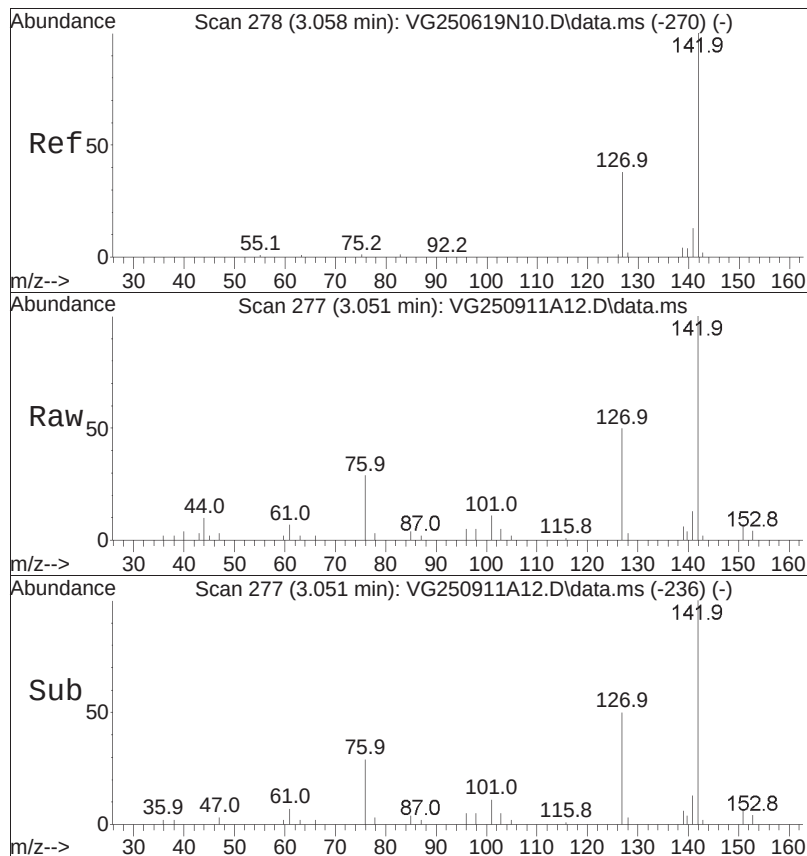
Tgt Ion: 76 Resp: 337801

Ion Ratio Lower Upper

76 100

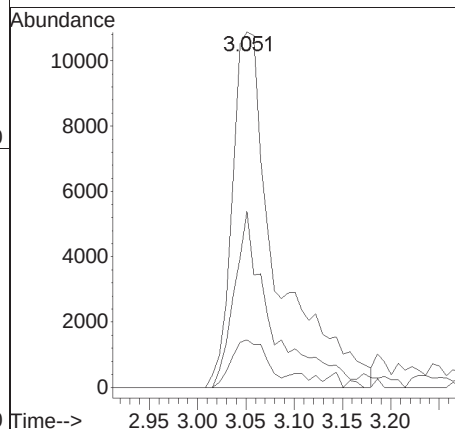
78 9.7 6.3 13.1

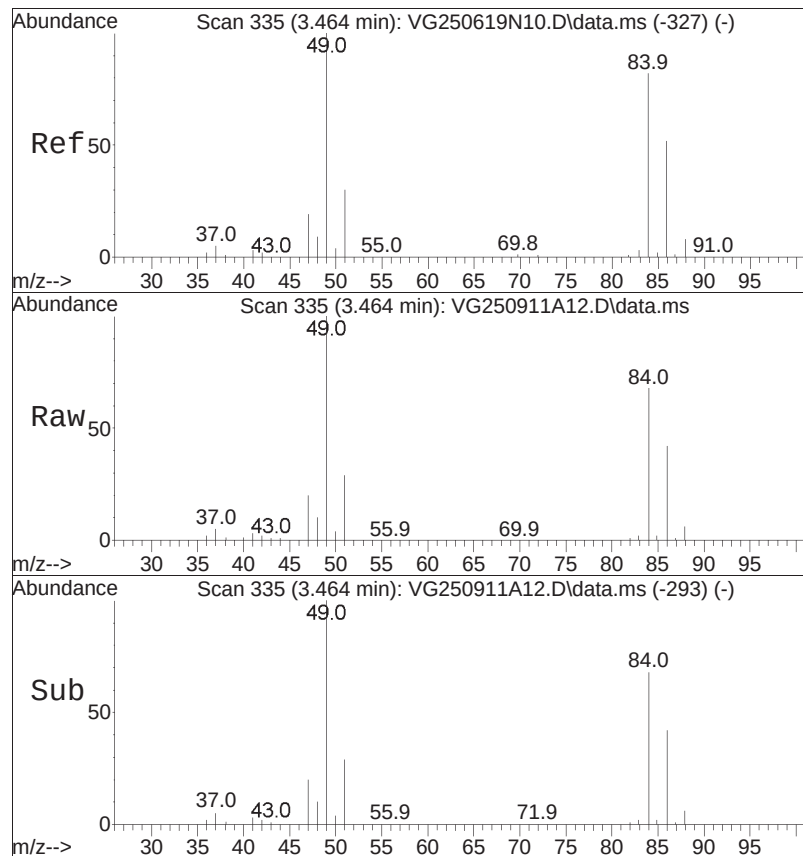




#13
 Iodomethane
 Concen: 4.00 ug/L
 RT: 3.051 min Scan# 277
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

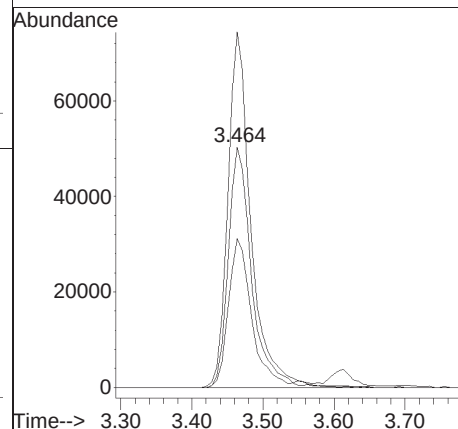
Tgt Ion:	142	Resp:	34780
Ion Ratio	Lower	Upper	
142	100		
127	41.9	25.5	53.1
141	10.6	9.0	18.8

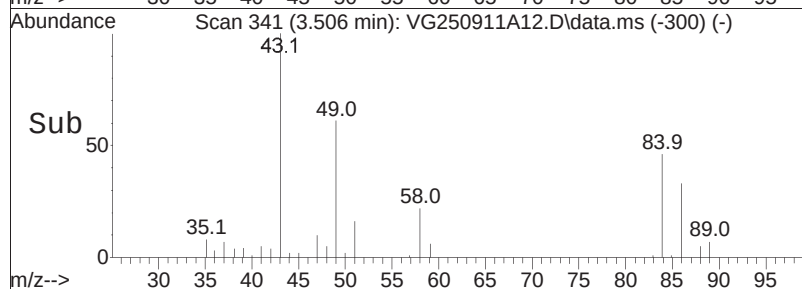
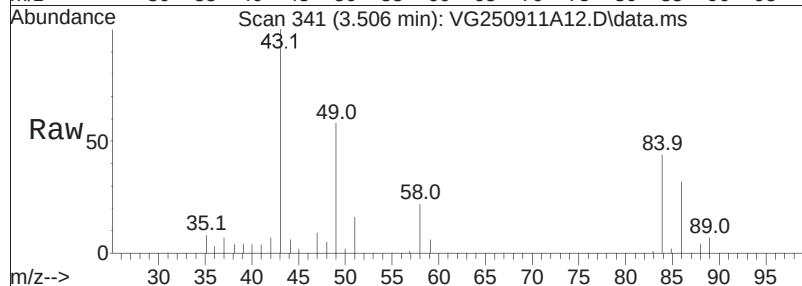
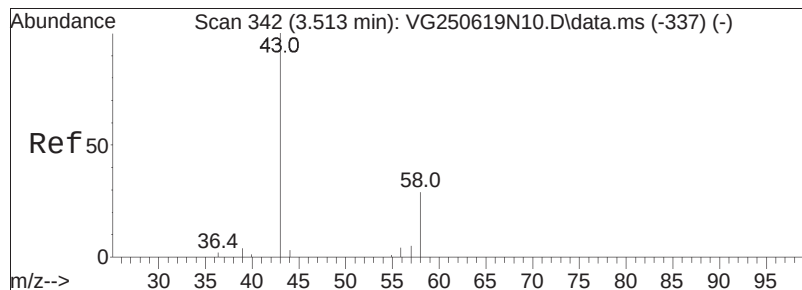




#15
 Methylene chloride
 Concen: 10.83 ug/L
 RT: 3.464 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

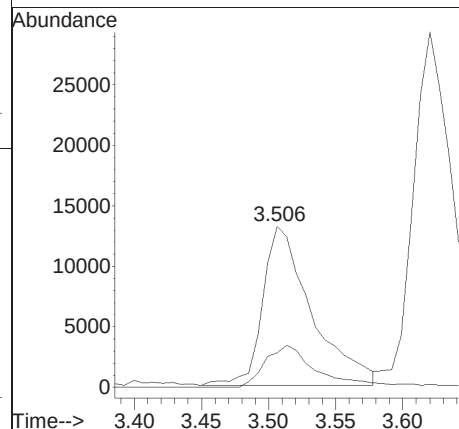
Tgt	Ion	Resp	Lower	Upper
84	100			
86	61.9	41.7	86.7	
49	143.1	78.6	163.3	

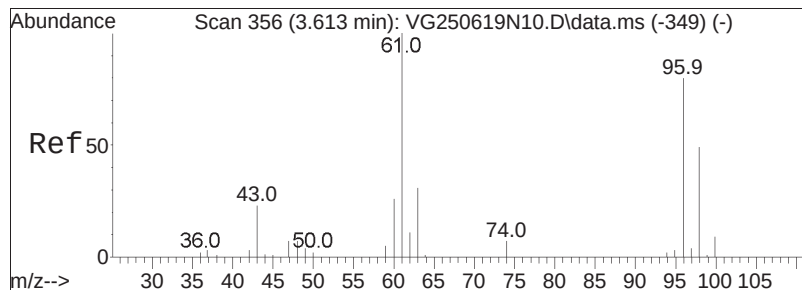




#17
 Acetone
 Concen: 15.98 ug/L
 RT: 3.506 min Scan# 341
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

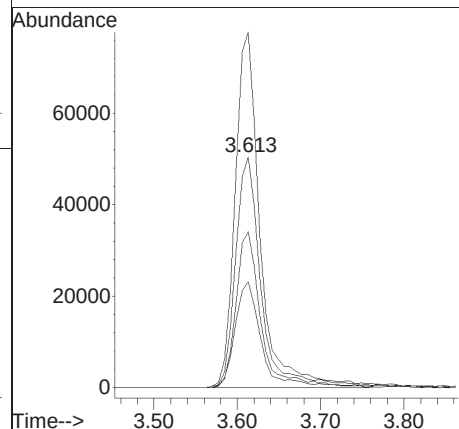
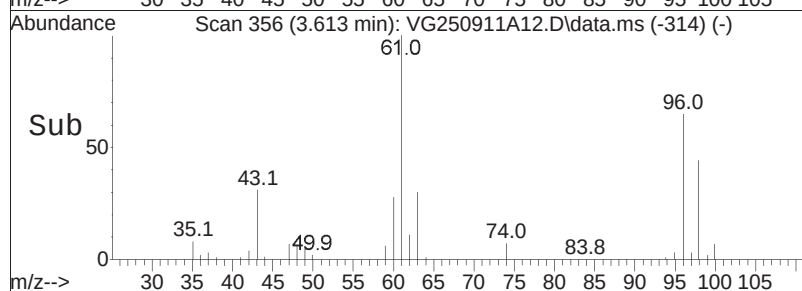
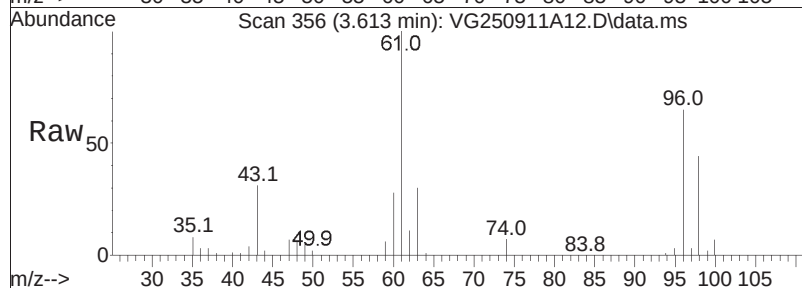
Tgt Ion:	43	58	Ratio	100	29.5	Resp:	33455	Lower	Upper
43	100								
58		29.5						26.2	39.2

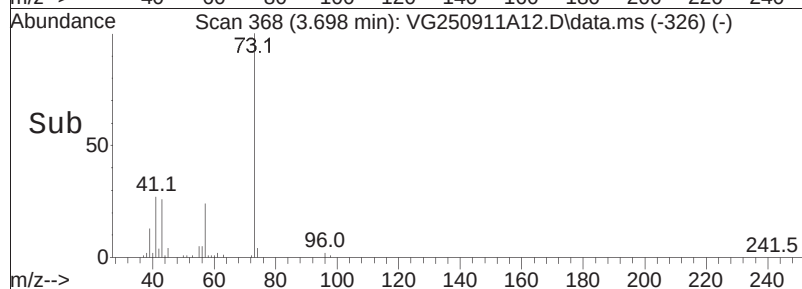
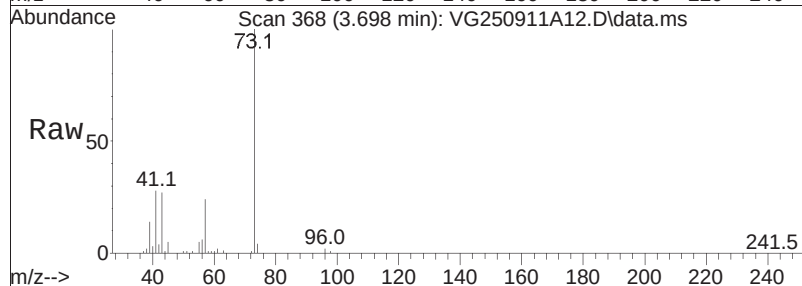
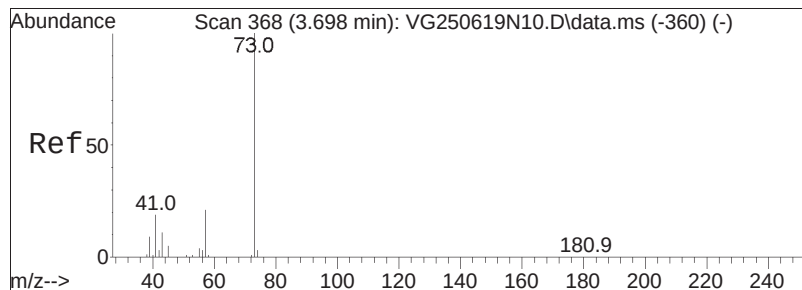




#18
 trans-1,2-Dichloroethene
 Concen: 11.31 ug/L
 RT: 3.613 min Scan# 356
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion:	96	Resp:	108499
Ion Ratio	Lower	Upper	
96	100		
61	151.3	85.7	177.9
98	65.8	42.8	88.8
63	45.4	26.5	55.1





#20

Methyl tert-butyl ether

Concen: 10.37 ug/L

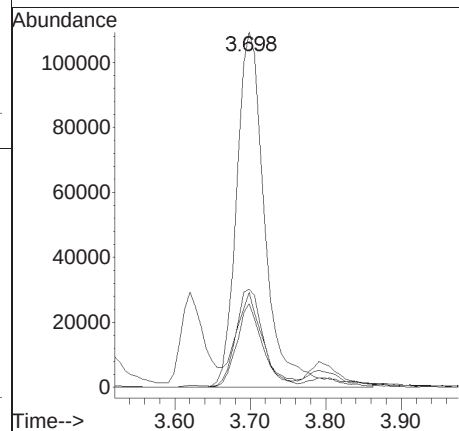
RT: 3.698 min Scan# 368

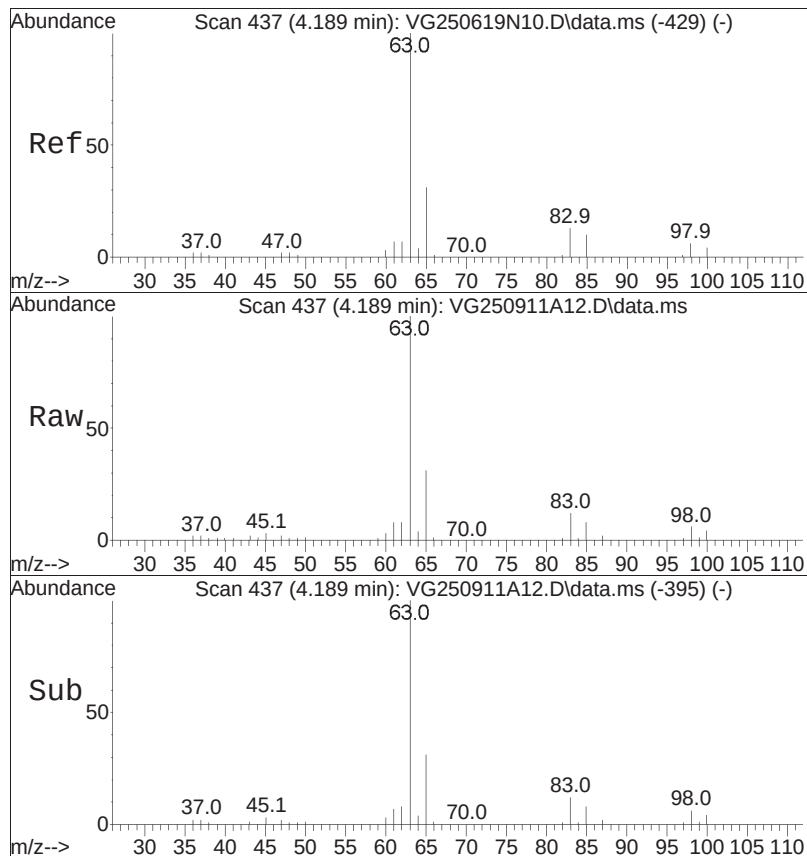
Delta R.T. 0.000 min

Lab File: VG250911A12.D

Acq: 11 Sep 2025 12:11 pm

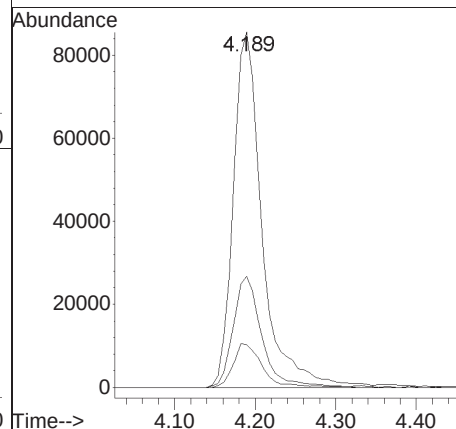
Tgt Ion:	73	Resp:	289736
Ion Ratio	Lower	Upper	
73	100		
57	21.4	13.1	27.3
43	24.3	14.1	29.3
41	26.1	11.7	24.3#

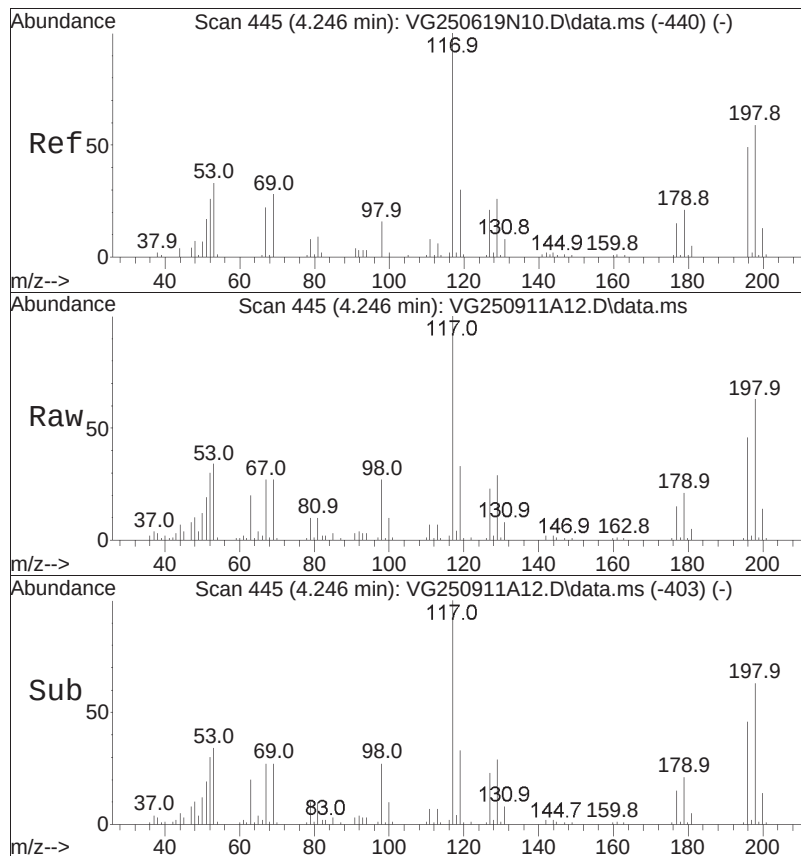




#23
 1,1-Dichloroethane
 Concen: 12.60 ug/L
 RT: 4.189 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

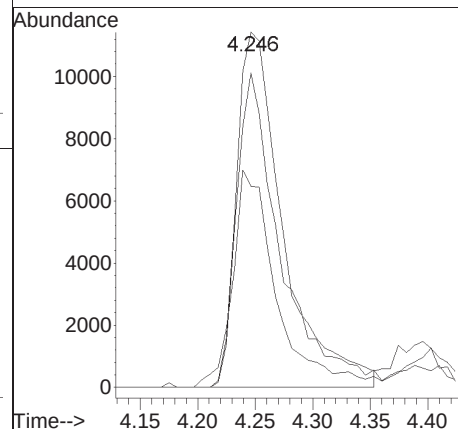
Tgt Ion:	63	Resp:	213735
Ion Ratio	Lower	Upper	
63	100		
65	30.9	9.7	49.7
83	12.5	0.0	33.1

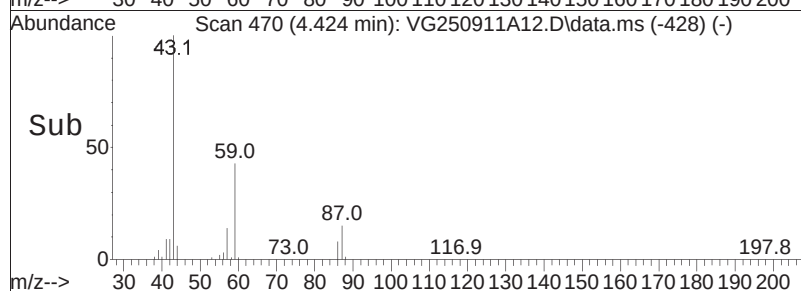
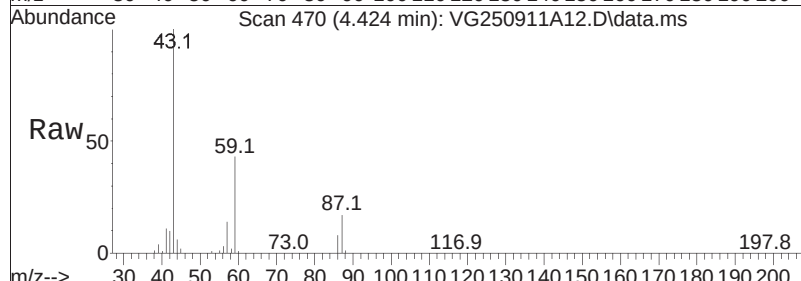
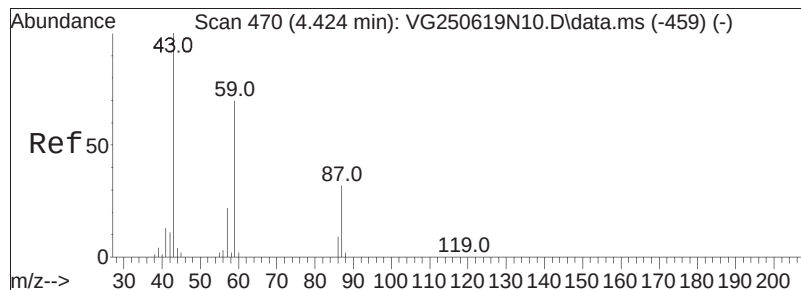




#25
 Acrylonitrile
 Concen: 12.02 ug/L
 RT: 4.246 min Scan# 445
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	32322		
52	83.8		68.2	102.4
51	57.6		45.4	68.0





#27

Vinyl acetate

Concen: 12.31 ug/L

RT: 4.424 min Scan# 470

Delta R.T. 0.000 min

Lab File: VG250911A12.D

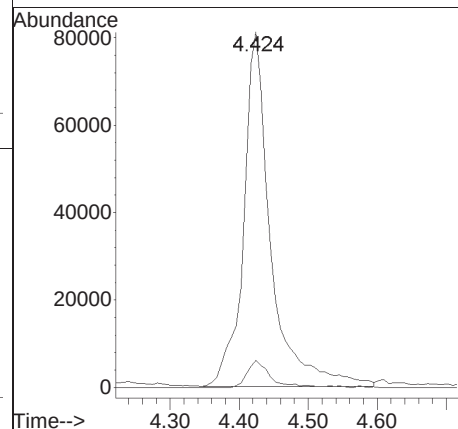
Acq: 11 Sep 2025 12:11 pm

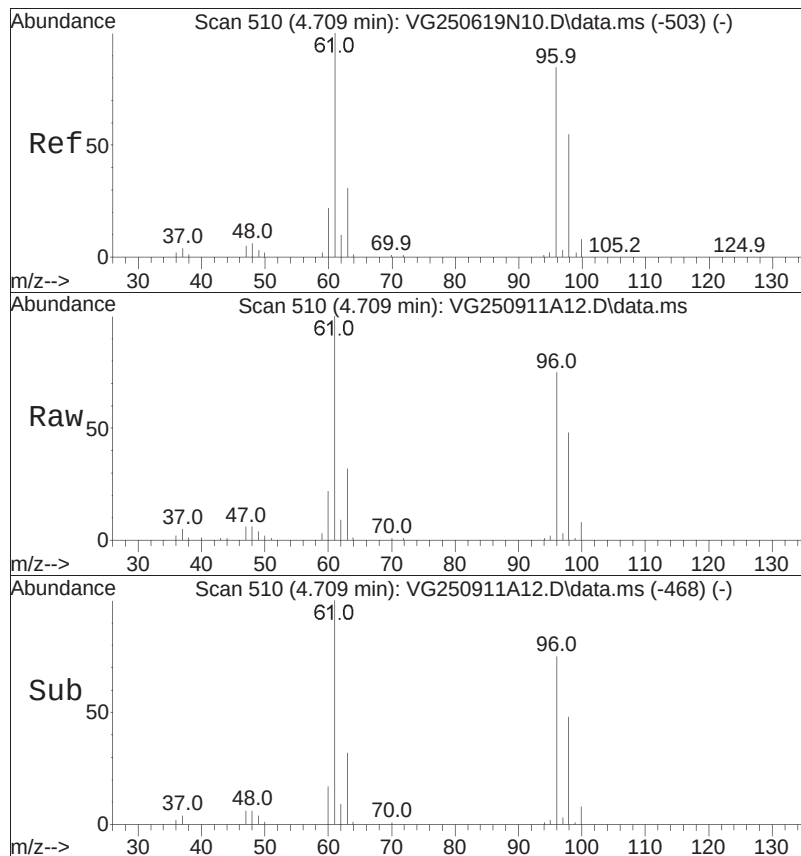
Tgt Ion: 43 Resp: 222649

Ion Ratio Lower Upper

43 100

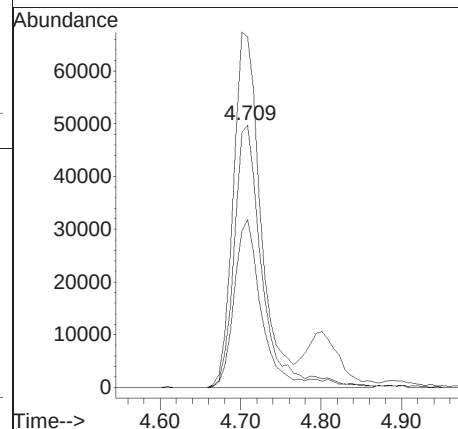
86 6.4 7.2 10.8#

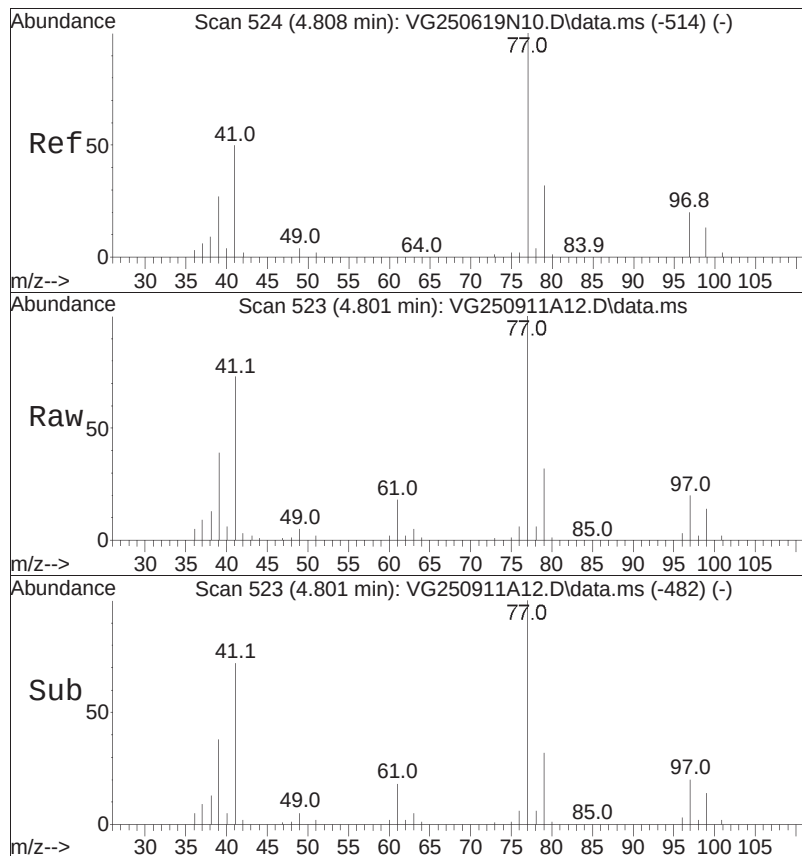




#28
 cis-1,2-Dichloroethene
 Concen: 10.76 ug/L
 RT: 4.709 min Scan# 510
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

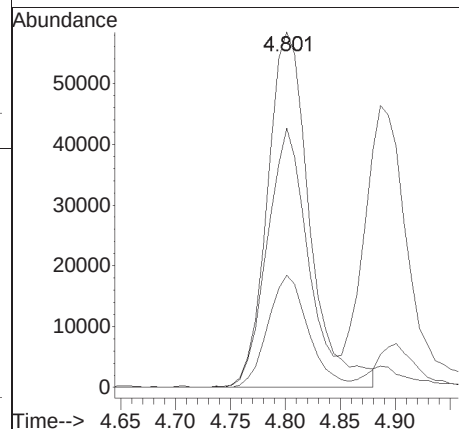
Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.1	87.4	131.2#
98	61.2	47.5	71.3

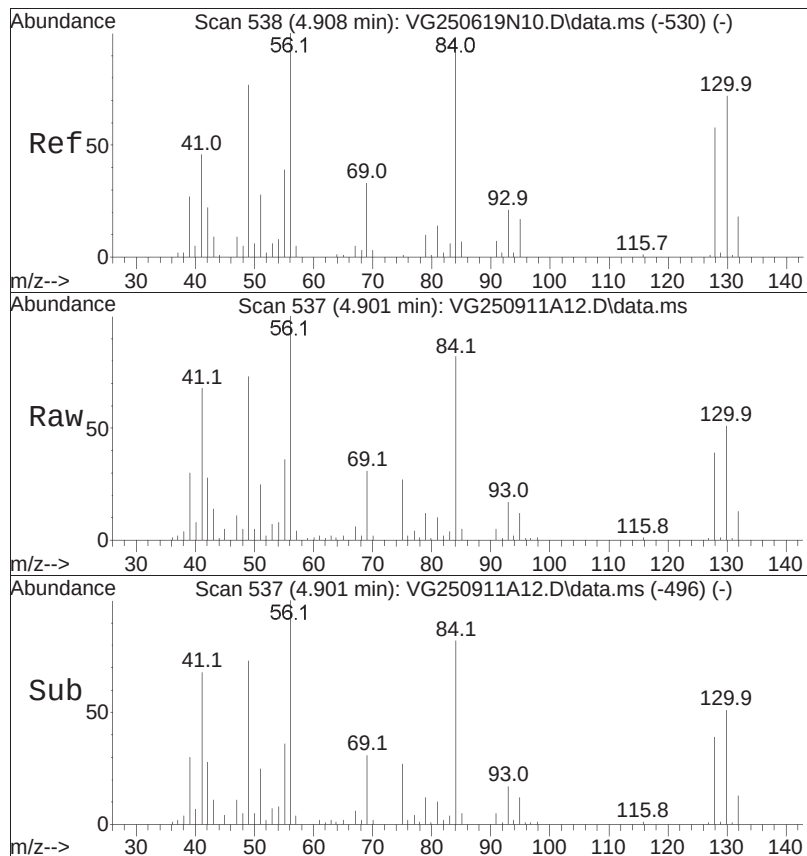




#29
 2,2-Dichloropropane
 Concen: 10.98 ug/L
 RT: 4.801 min Scan# 523
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

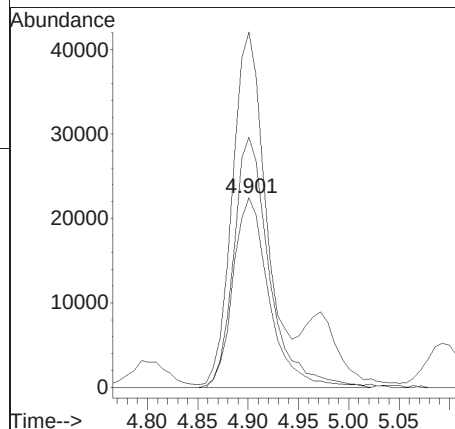
Tgt Ion:	77	Resp:	155841
Ion Ratio	Lower	Upper	
77	100		
41	69.3	32.2	66.8#
79	30.3	19.5	40.5

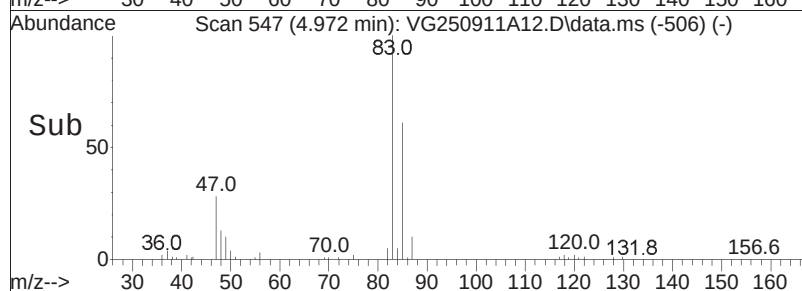
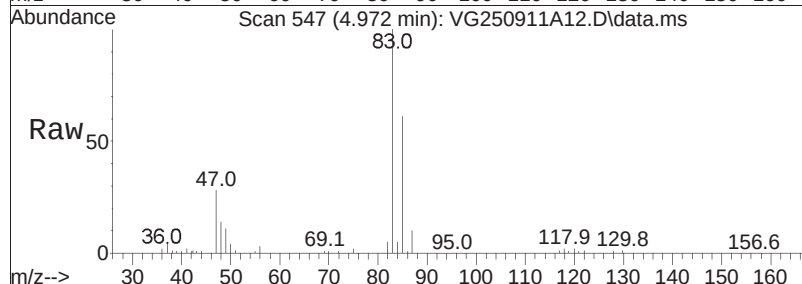
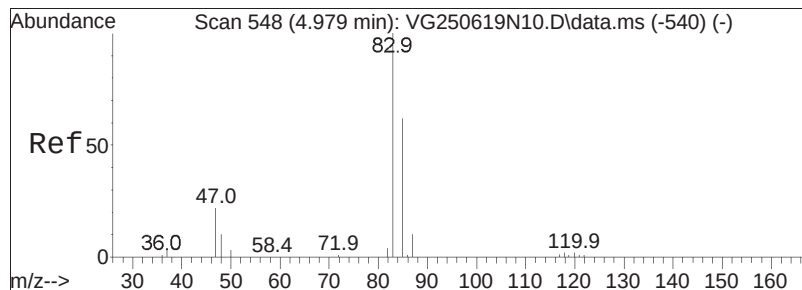




#30
 Bromochloromethane
 Concen: 10.74 ug/L
 RT: 4.901 min Scan# 537
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

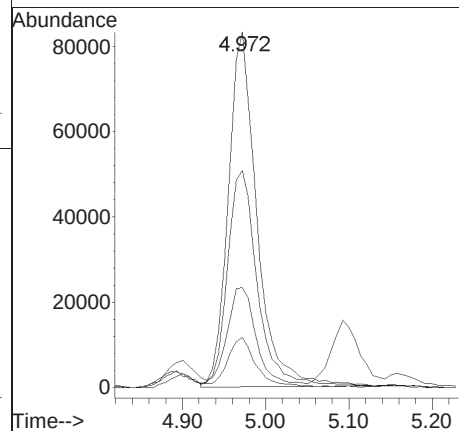
Tgt	Ion:128	Resp:	56136
Ion	Ratio	Lower	Upper
128	100		
49	172.0	105.7	158.5#
130	130.8	100.9	151.3

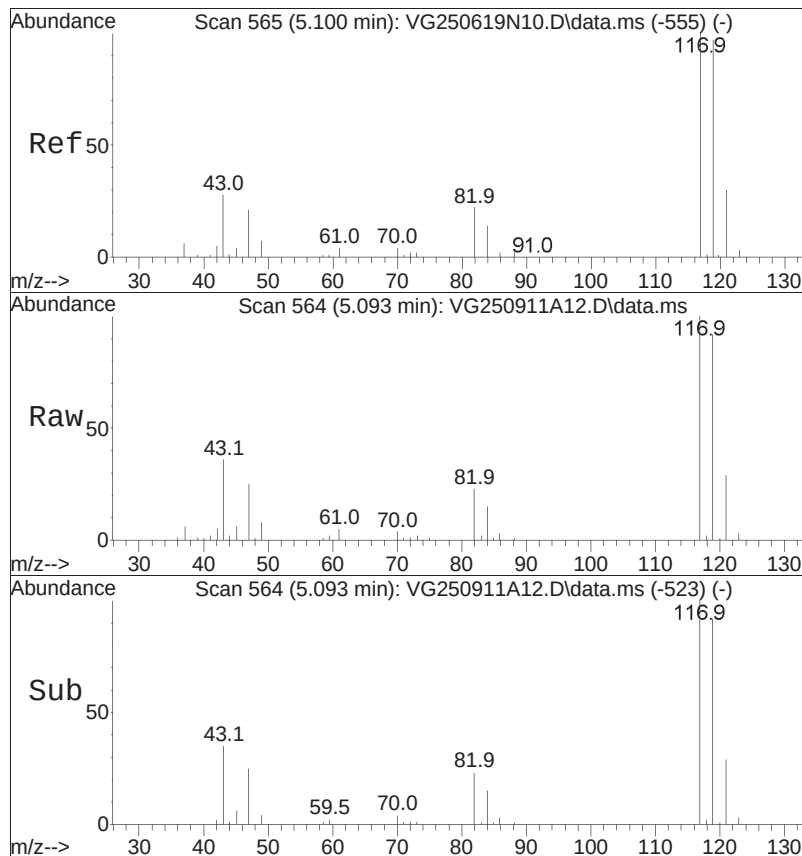




#32
 Chloroform
 Concen: 11.44 ug/L
 RT: 4.972 min Scan# 547
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

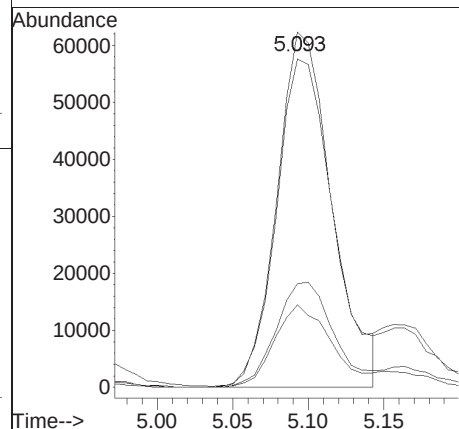
Tgt Ion:	83	Resp:	199764
Ion Ratio	Lower	Upper	
83	100		
85	63.7	40.8	84.6
47	28.5	13.5	28.1#
48	13.6	7.2	15.0

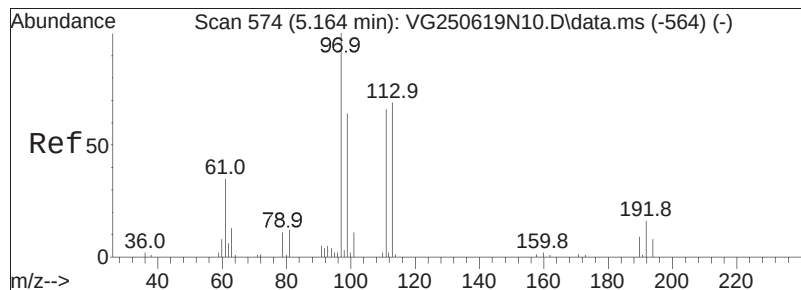




#34
 Carbon tetrachloride
 Concen: 11.36 ug/L
 RT: 5.093 min Scan# 564
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

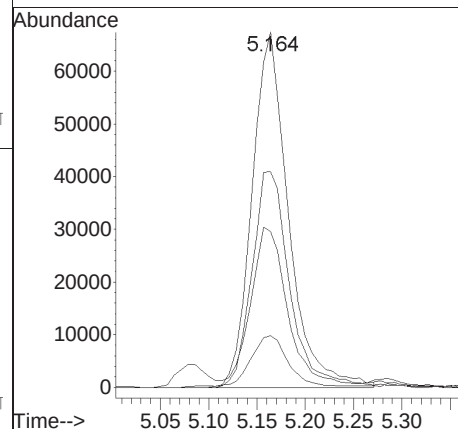
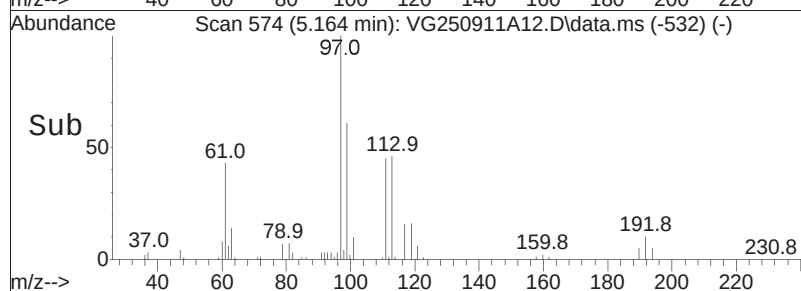
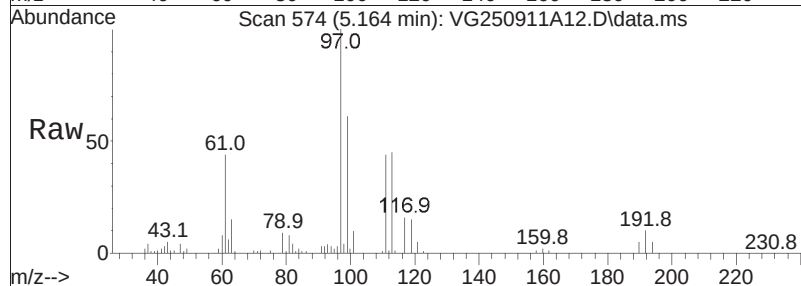
Tgt Ion:	117	Resp:	158464
Ion Ratio	Lower	Upper	
117	100		
119	95.5	60.6	125.8
121	31.1	19.9	41.3
82	23.6	13.8	28.8

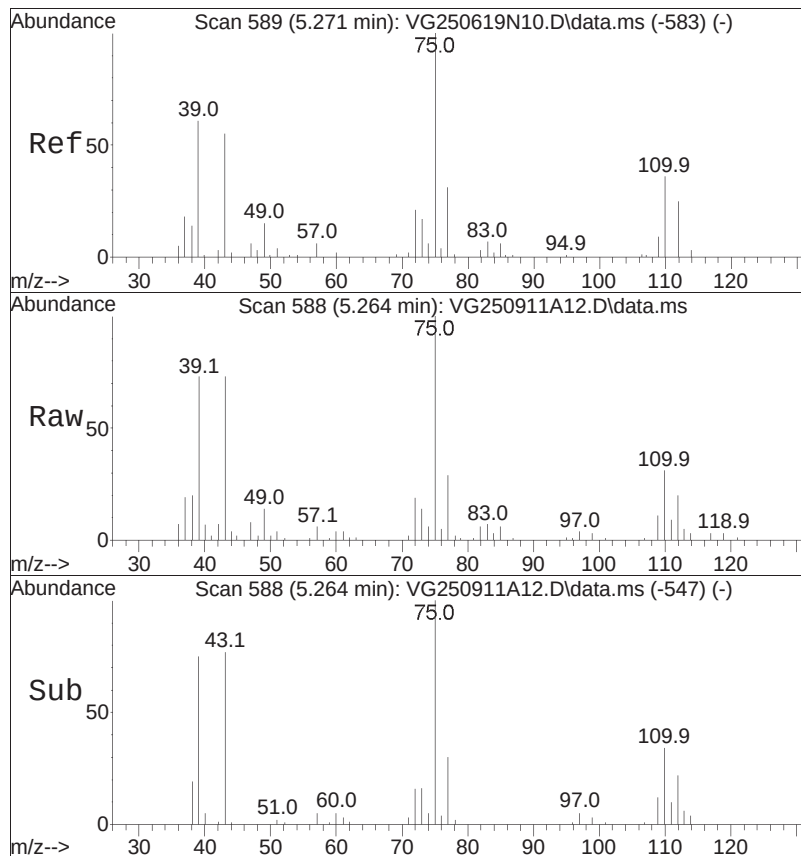




#37
 1,1,1-Trichloroethane
 Concen: 11.59 ug/L
 RT: 5.164 min Scan# 574
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

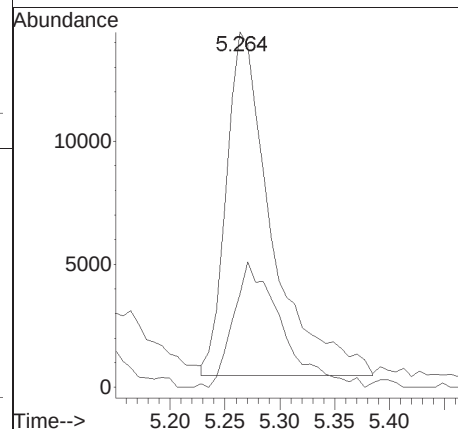
Tgt Ion:	97	Resp:	177021
Ion	Ratio	Lower	Upper
97	100		
99	63.5	41.0	85.0
61	46.5	26.7	55.4
63	15.3	8.6	17.8

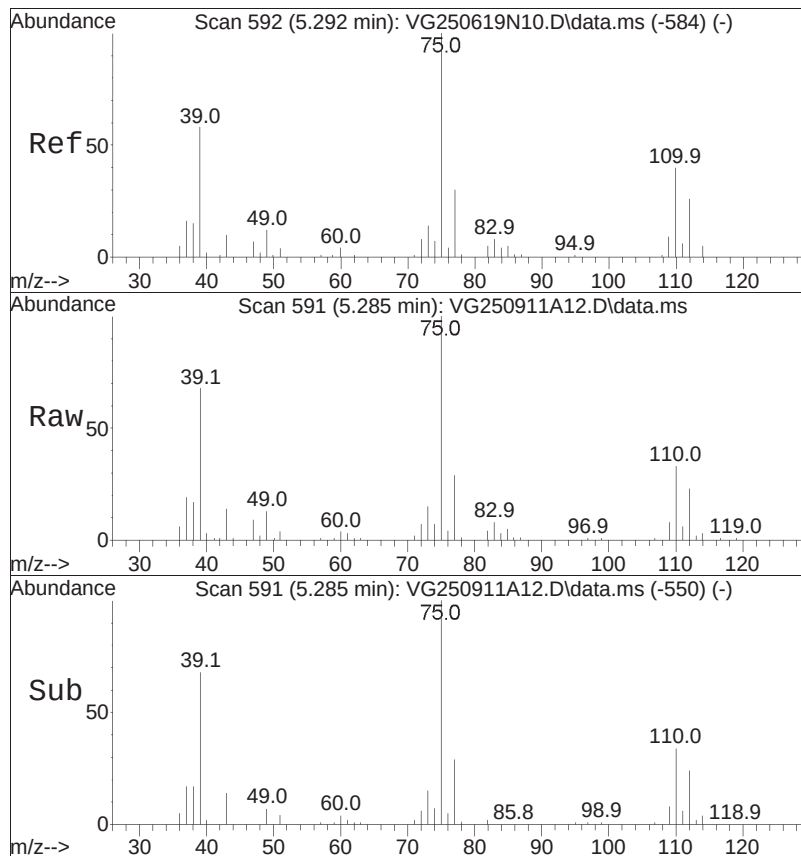




#39
 2-Butanone
 Concen: 12.78 ug/L M6
 RT: 5.264 min Scan# 588
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

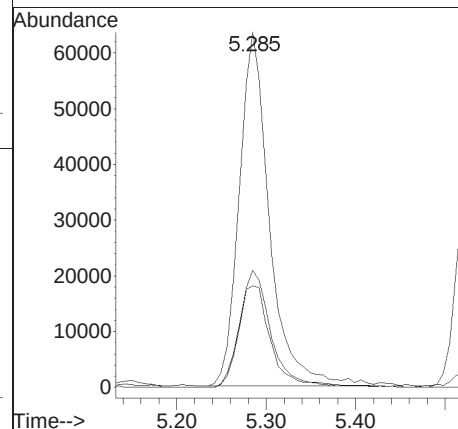
Tgt Ion:	43	72	Ratio	100	Resp:	40493
Ion	43	72	Ratio	100	Lower	Upper
					41.3	61.9#

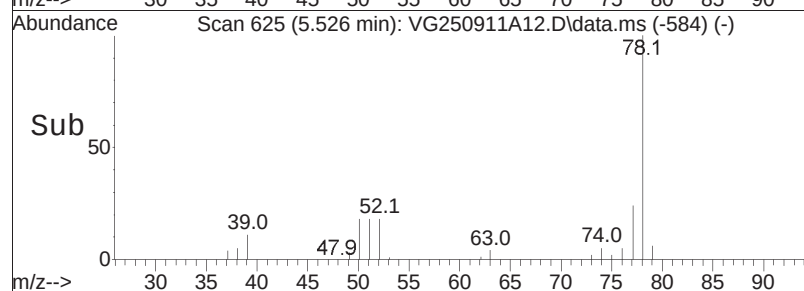
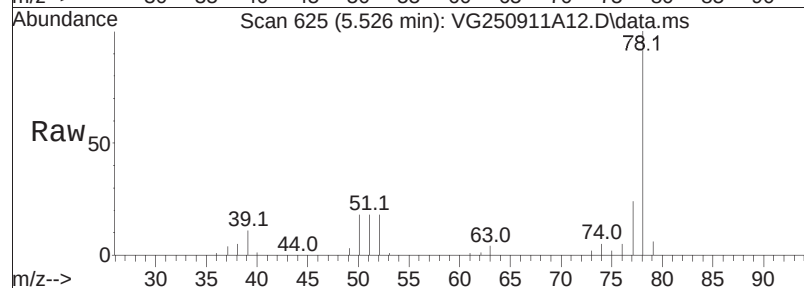
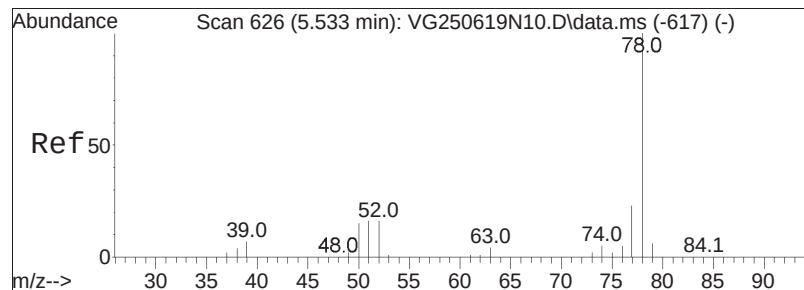




#40
 1,1-Dichloropropene
 Concen: 12.33 ug/L
 RT: 5.285 min Scan# 591
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion:	75	Resp:	149669
Ion Ratio	Lower	Upper	
75	100		
110	34.4	25.5	53.1
77	30.6	19.7	40.9





#41

Benzene

Concen: 11.85 ug/L

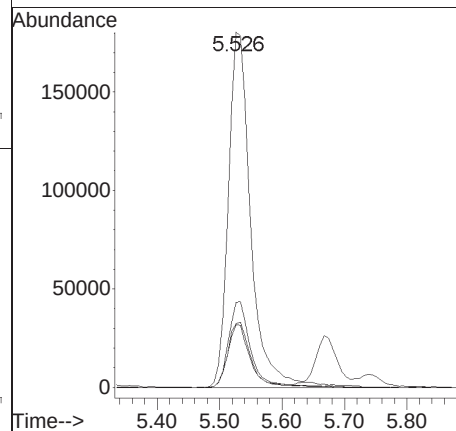
RT: 5.526 min Scan# 625

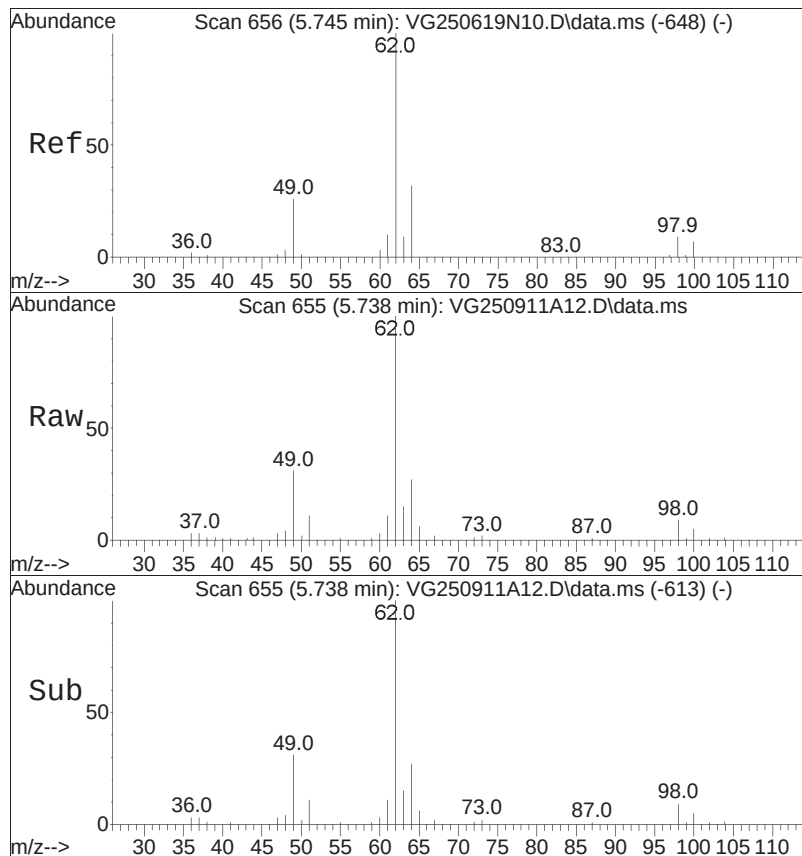
Delta R.T. -0.007 min

Lab File: VG250911A12.D

Acq: 11 Sep 2025 12:11 pm

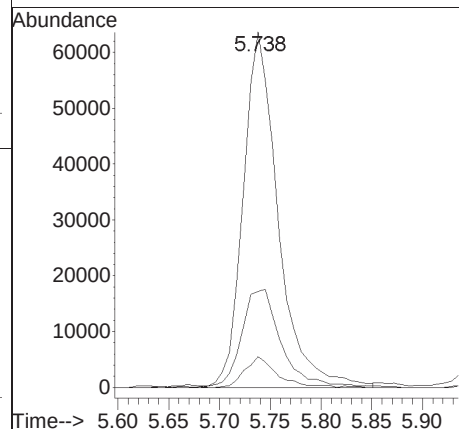
Tgt Ion:	78	Resp:	452012
Ion Ratio	Lower	Upper	
78	100		
77	23.6	15.1	31.3
51	18.5	10.3	21.3
52	17.2	9.9	20.7

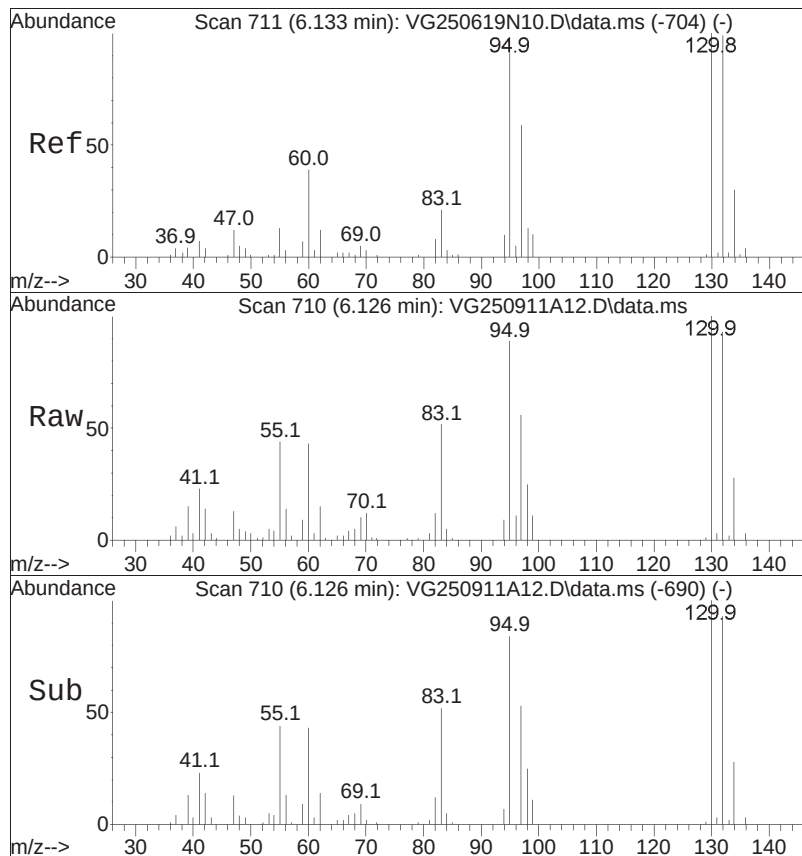




#44
 1,2-Dichloroethane
 Concen: 12.23 ug/L
 RT: 5.738 min Scan# 655
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

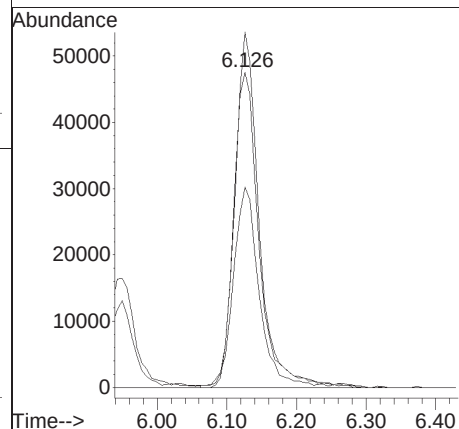
Tgt Ion:	62	Resp:	152816
Ion Ratio	Lower	Upper	
62	100		
64	30.3	10.9	50.9
98	7.9	0.0	29.9

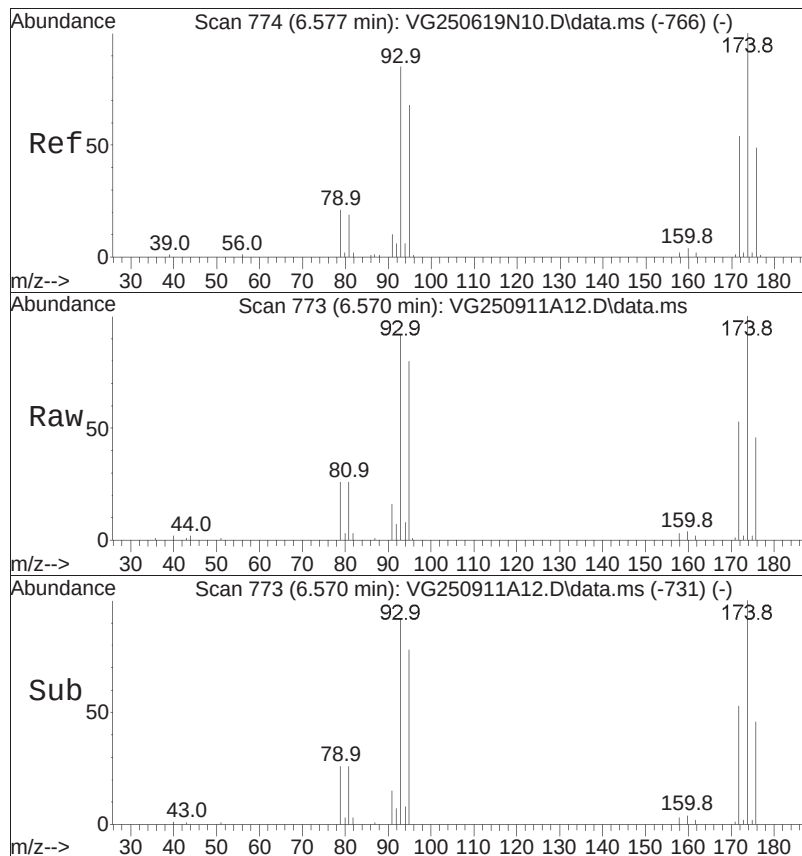




#48
 Trichloroethene
 Concen: 11.67 ug/L
 RT: 6.126 min Scan# 710
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

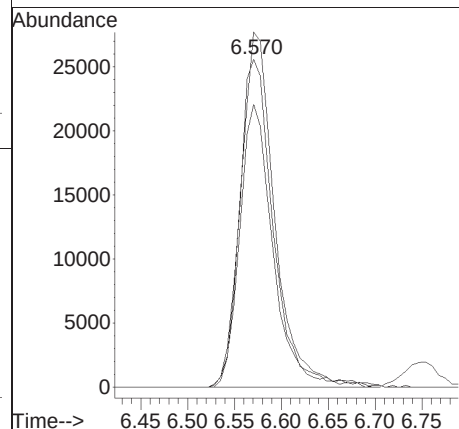
Tgt Ion	Ratio	Lower	Upper
95	100		
97	62.5	53.8	80.6
130	106.5	87.0	130.6

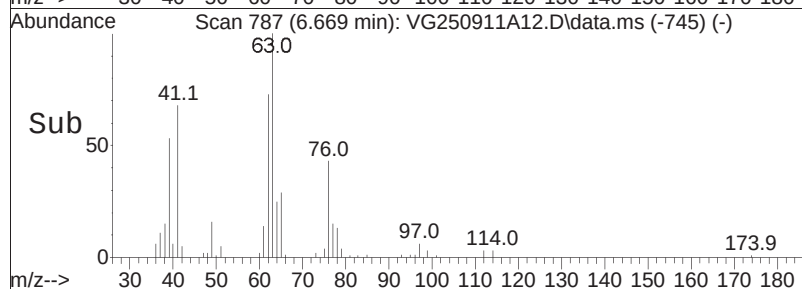
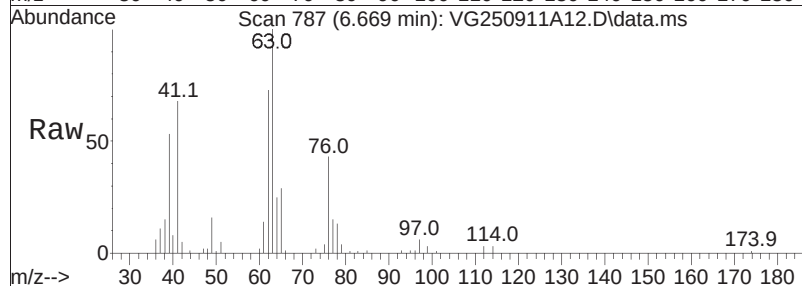
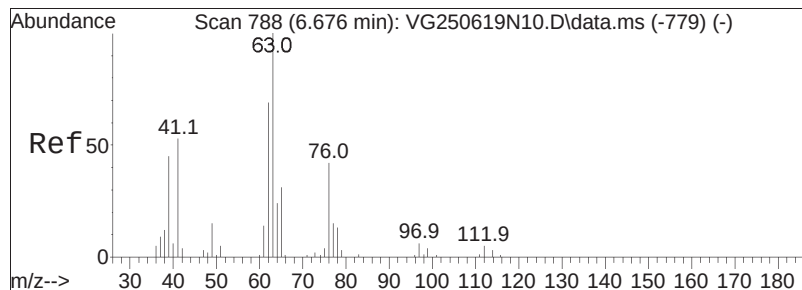




#50
 Dibromomethane
 Concen: 10.28 ug/L
 RT: 6.570 min Scan# 773
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion: 93	Resp: 64842
Ion Ratio	Lower Upper
93 100	
95 85.0	66.6 99.8
174 108.0	97.8 146.6





#51

1,2-Dichloropropane

Concen: 12.05 ug/L

RT: 6.669 min Scan# 787

Delta R.T. -0.007 min

Lab File: VG250911A12.D

Acq: 11 Sep 2025 12:11 pm

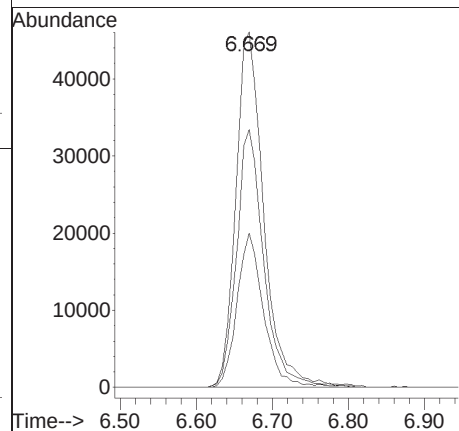
Tgt Ion: 63 Resp: 118083

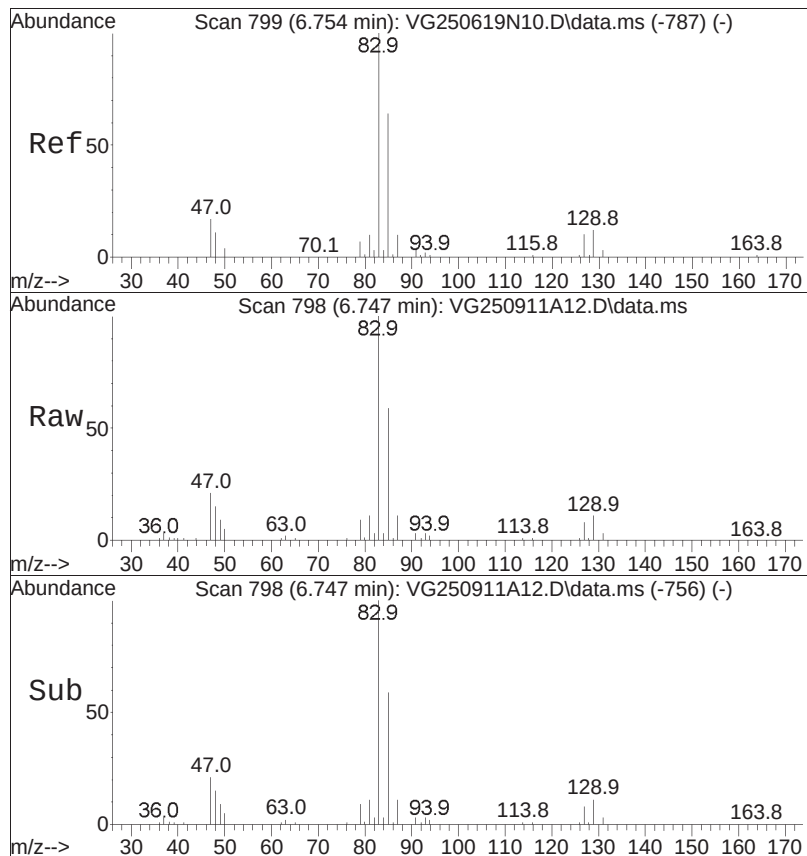
Ion Ratio Lower Upper

63 100

62 70.9 54.1 81.1

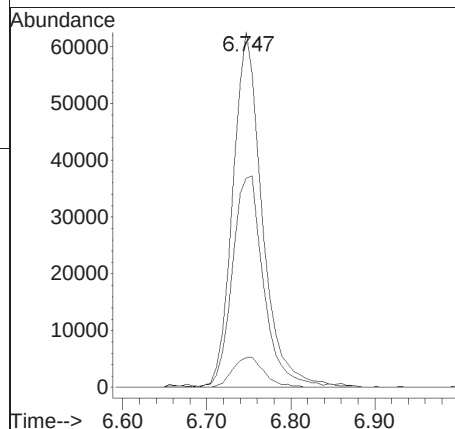
76 41.5 33.8 50.6

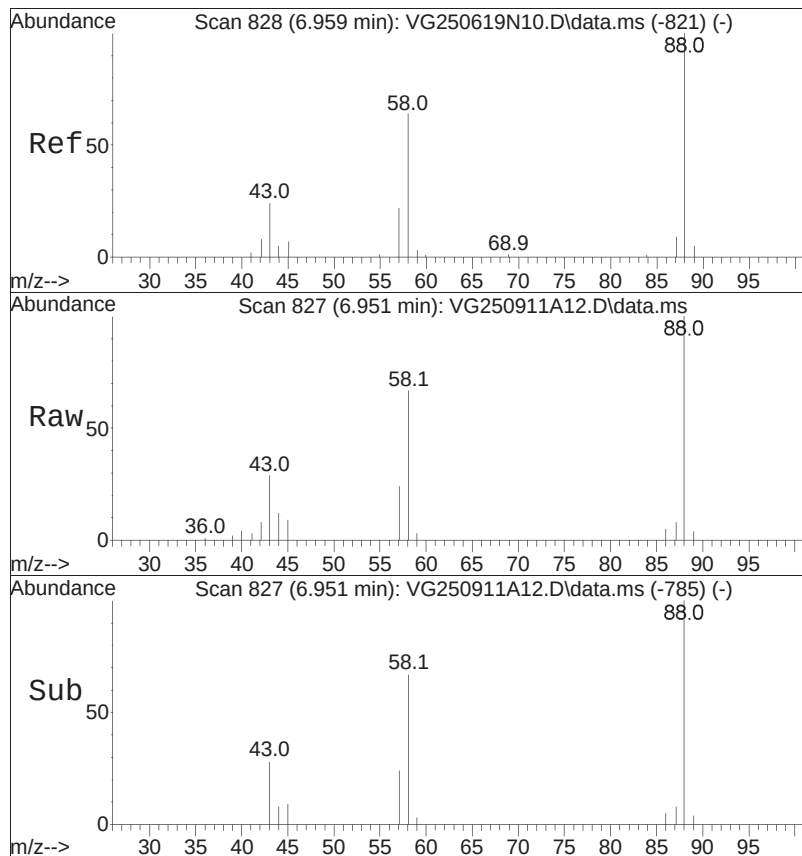




#54
 Bromodichloromethane
 Concen: 11.03 ug/L
 RT: 6.747 min Scan# 798
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

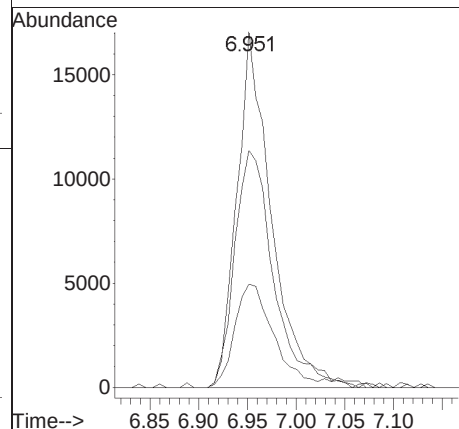
Tgt	Ion: 83	Resp:	152702
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.6
127	9.2	7.8	11.6

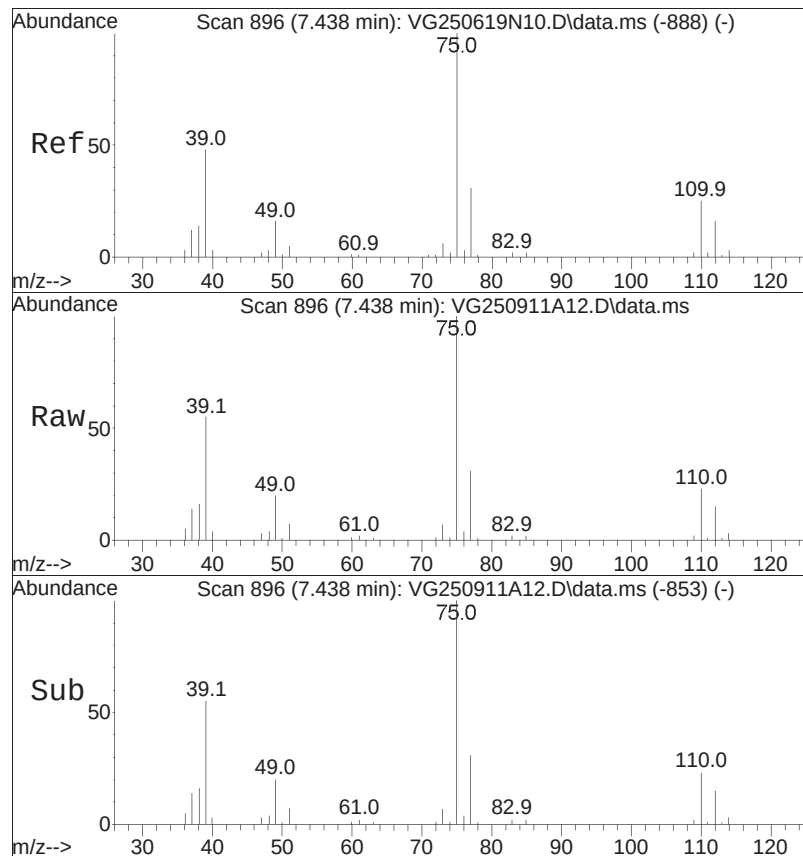




#57
 1,4-Dioxane
 Concen: 422.33 ug/L
 RT: 6.951 min Scan# 827
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

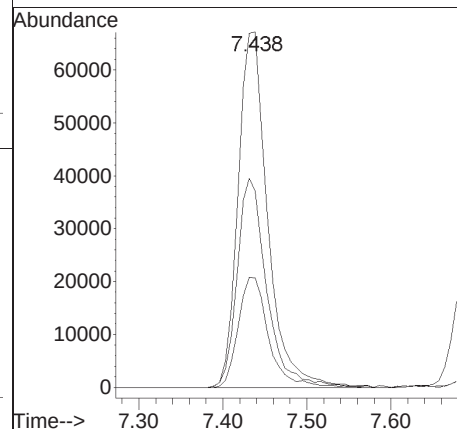
Tgt	Ion: 88	Resp:	42339
Ion	Ratio	Lower	Upper
88	100		
58	74.7	49.8	74.8
43	32.6	22.0	33.0

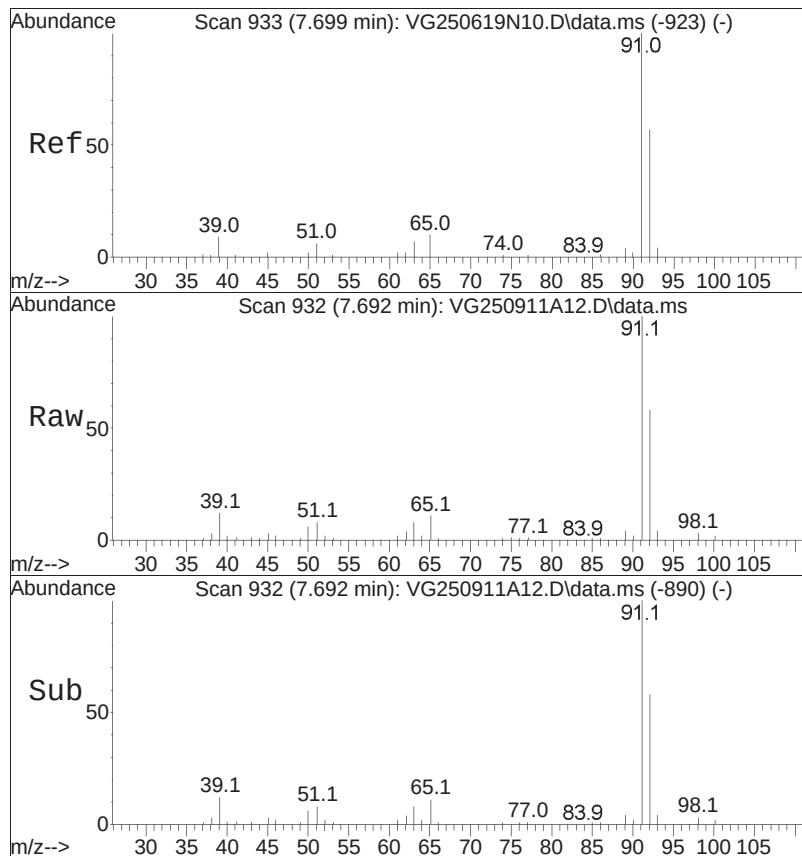




#58
 cis-1,3-Dichloropropene
 Concen: 10.15 ug/L
 RT: 7.438 min Scan# 896
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

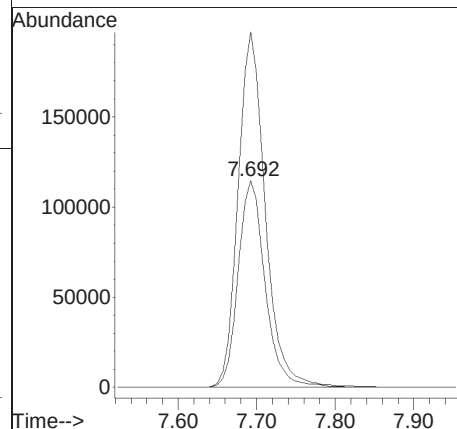
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	58.9	39.9	59.9

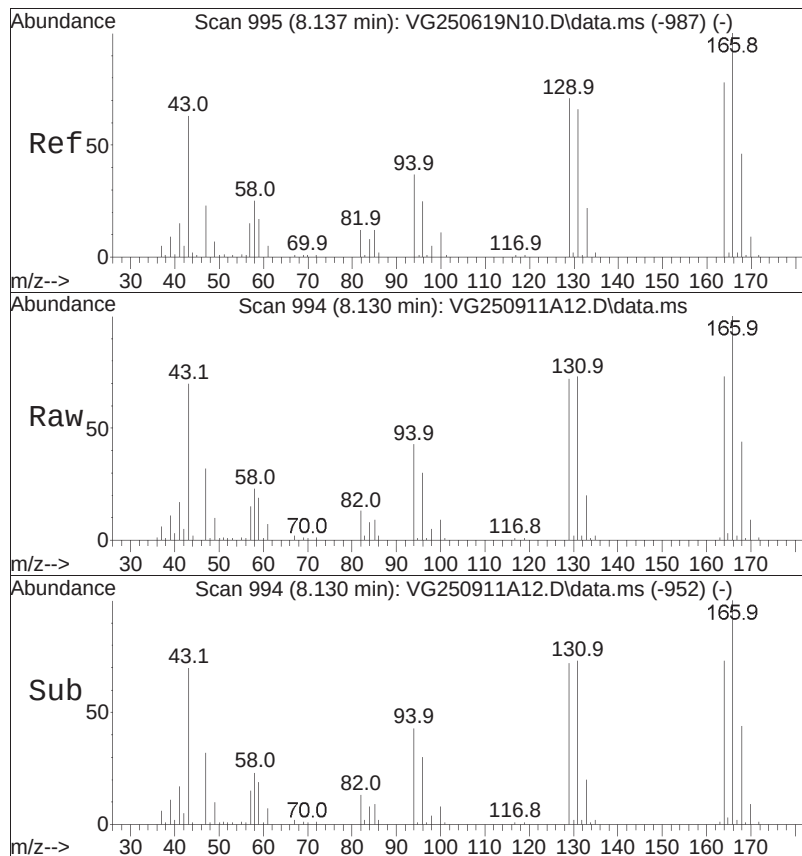




#61
 Toluene
 Concen: 11.50 ug/L
 RT: 7.692 min Scan# 932
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

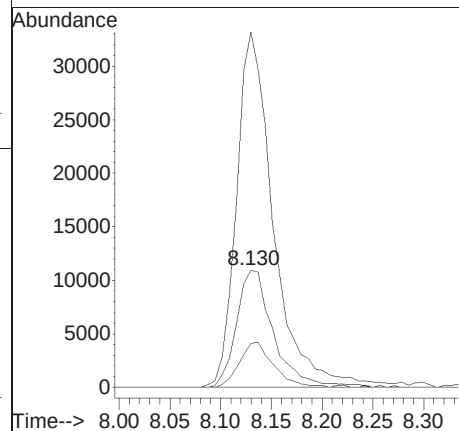
Tgt Ion:	92	Resp:	274504
Ion Ratio	Lower	Upper	
92	100		
91	172.6	138.2	207.2

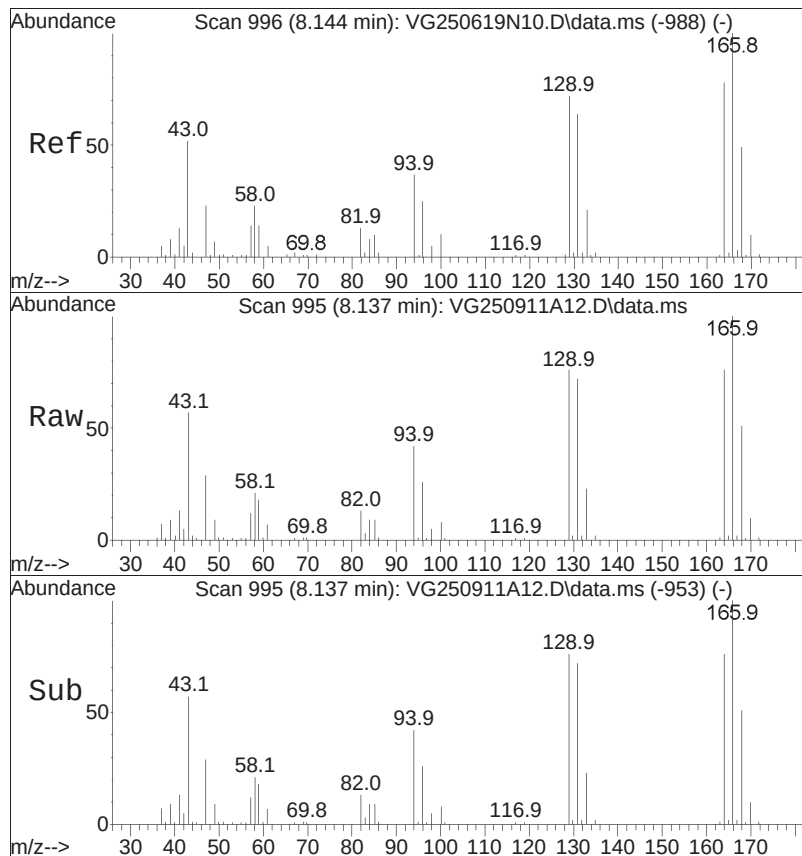




#62
 4-Methyl-2-pentanone
 Concen: 9.57 ug/L
 RT: 8.130 min Scan# 994
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

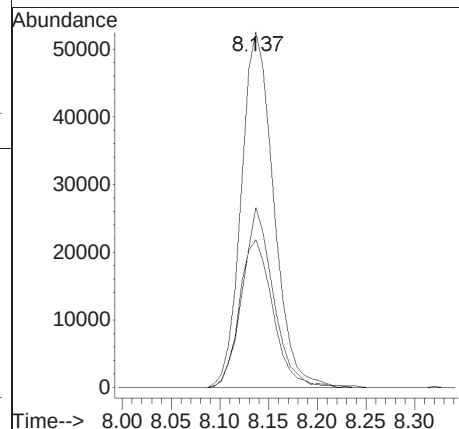
Tgt	Ion	Resp	Lower	Upper
58	100	27858		
100	35.7		33.9	50.9
43	302.8		193.0	289.6#

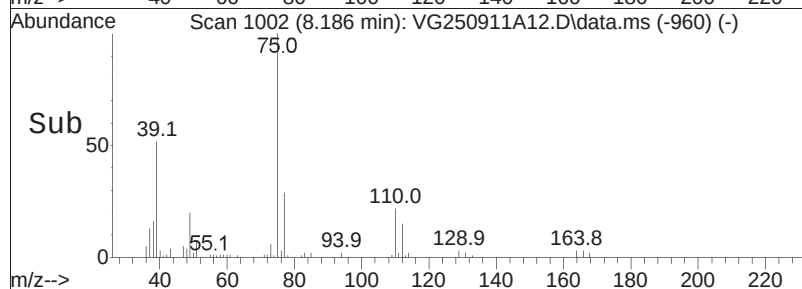
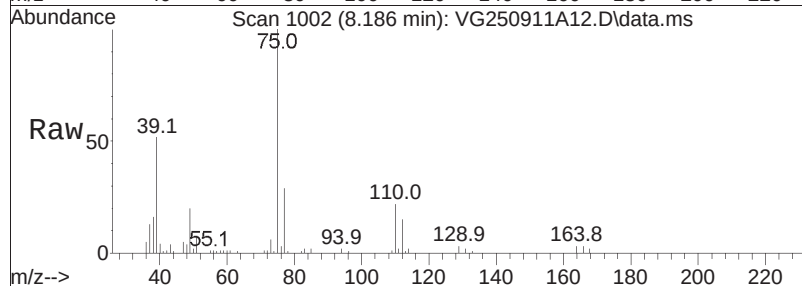
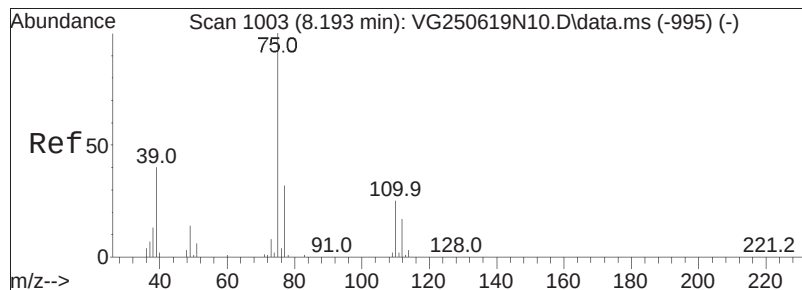




#63
 Tetrachloroethene
 Concen: 11.04 ug/L
 RT: 8.137 min Scan# 995
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

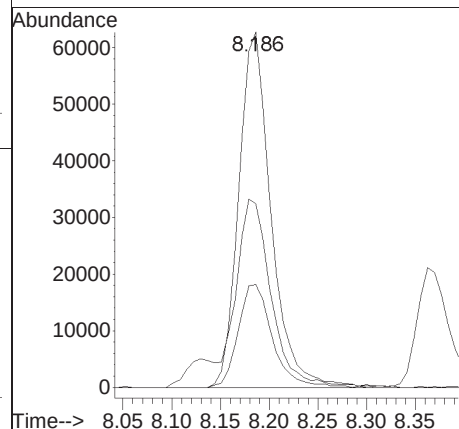
Tgt Ion:	166	Resp:	121854
Ion Ratio	Lower	Upper	
166	100		
168	48.2	27.6	67.6
94	42.8	16.7	56.7

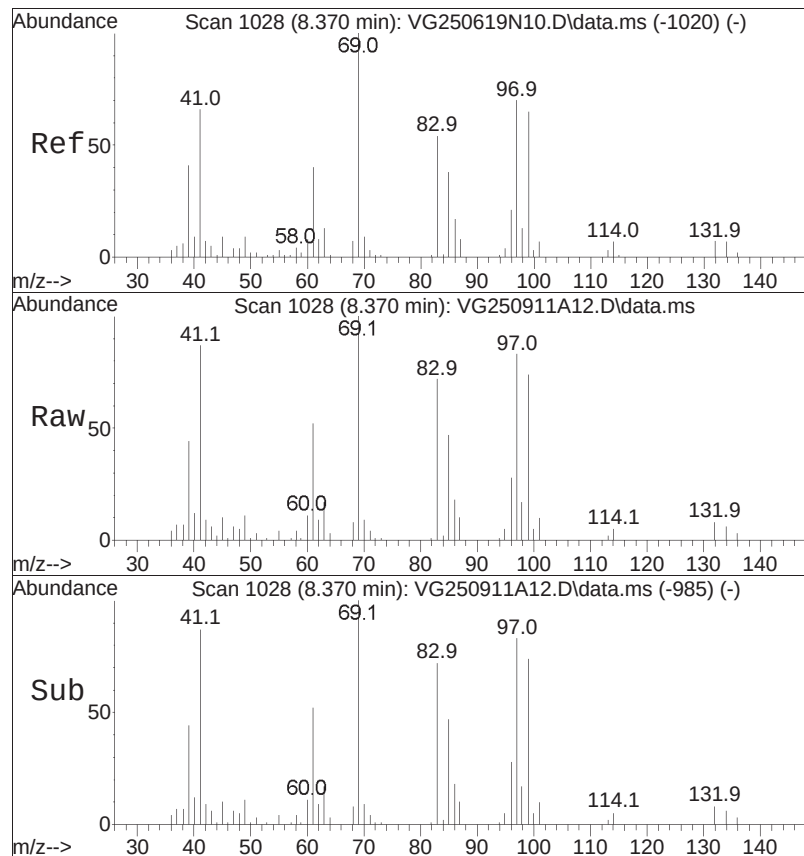




#65
 trans-1,3-Dichloropropene
 Concen: 10.52 ug/L
 RT: 8.186 min Scan# 1002
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

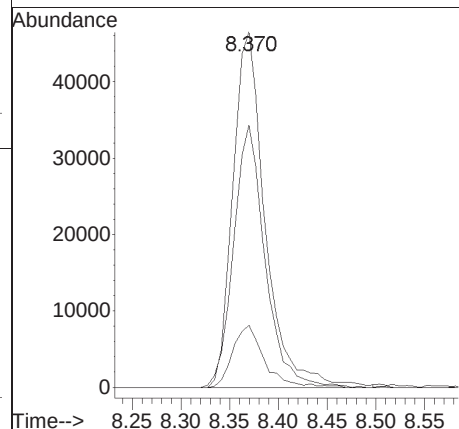
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	11.5	51.5
39	56.7	27.6	67.6

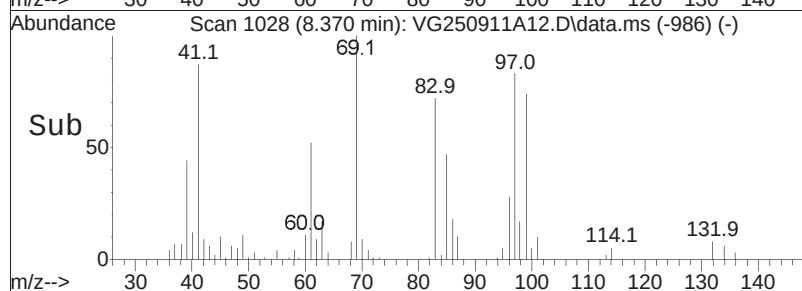
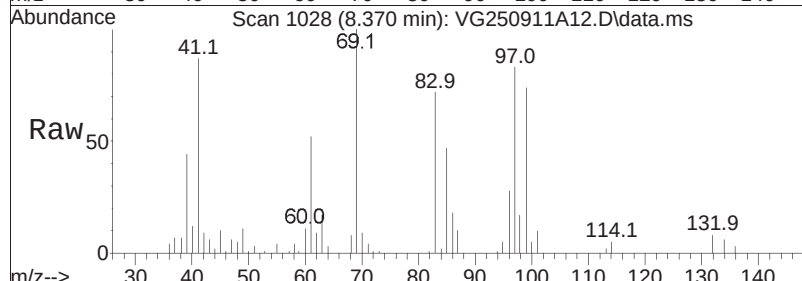
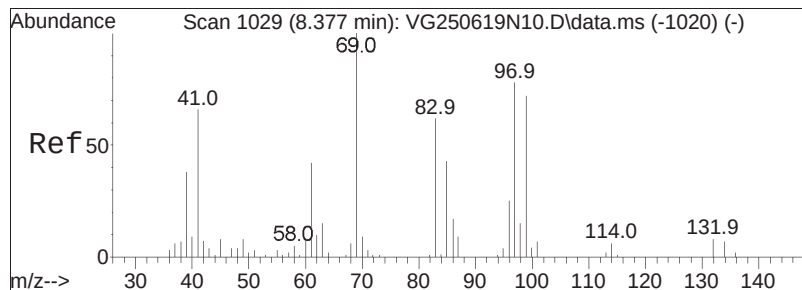




#67
 Ethyl methacrylate
 Concen: 9.63 ug/L
 RT: 8.370 min Scan# 1028
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

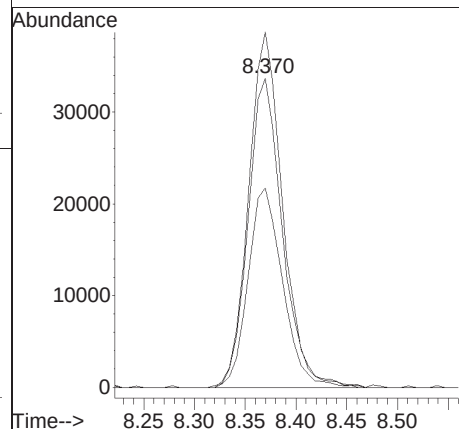
Tgt Ion	Ratio	Lower	Upper
69	100		
99	71.8	48.0	88.0
86	17.1	0.0	37.0

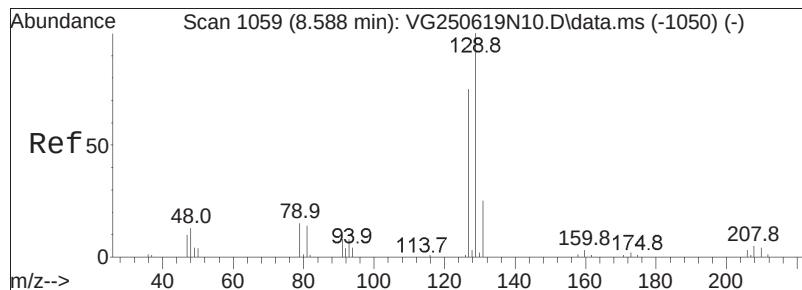




#68
 1,1,2-Trichloroethane
 Concen: 11.19 ug/L
 RT: 8.370 min Scan# 1028
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

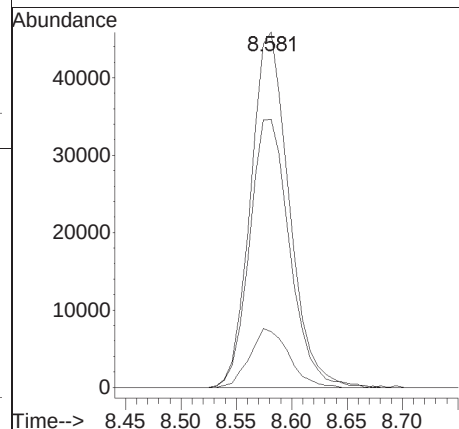
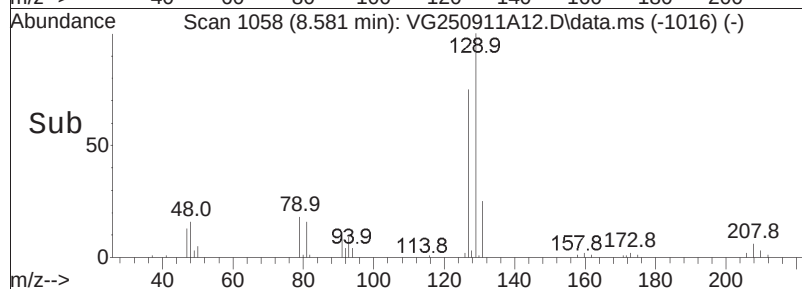
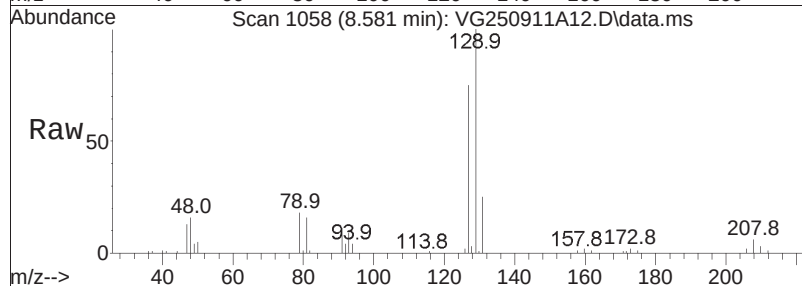
Tgt Ion:	83	Resp:	79185
Ion Ratio	Lower	Upper	
83	100		
97	113.6	103.4	143.4
85	65.1	48.6	88.6

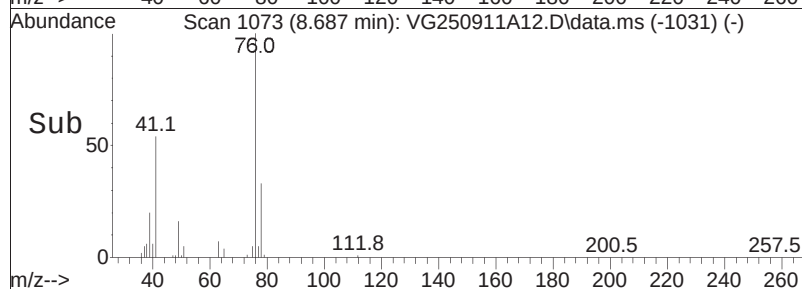
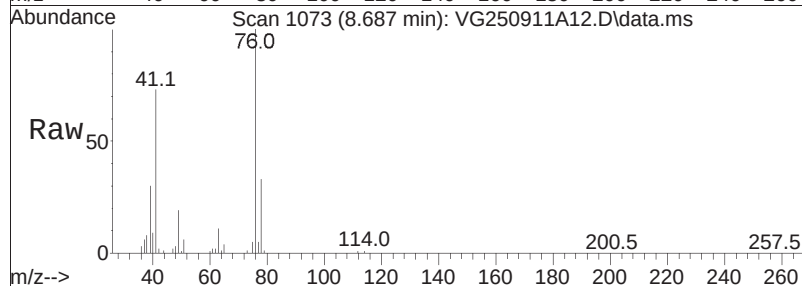
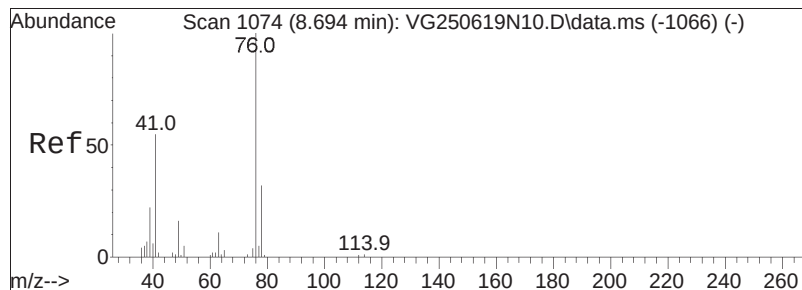




#69
 Chlorodibromomethane
 Concen: 9.78 ug/L
 RT: 8.581 min Scan# 1058
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

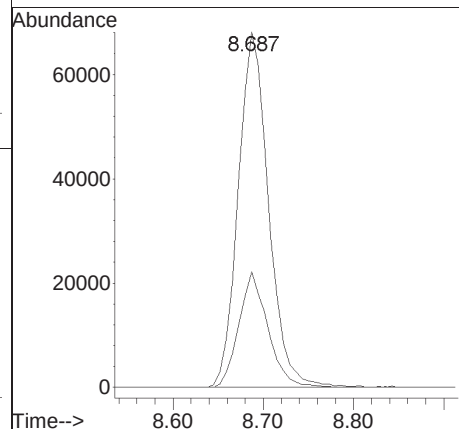
Tgt Ion	Ratio	Resp	Lower	Upper
129	100	110639		
81	16.9		0.0	34.8
127	78.8		57.0	97.0

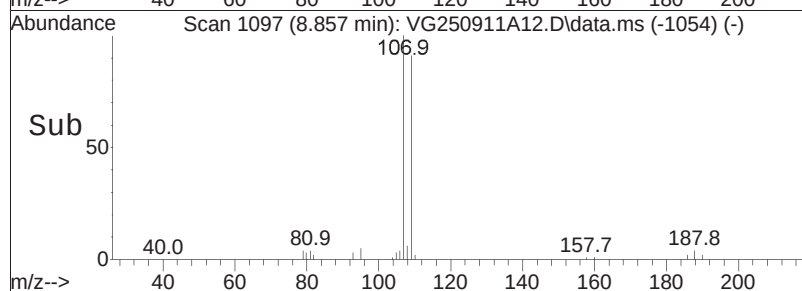
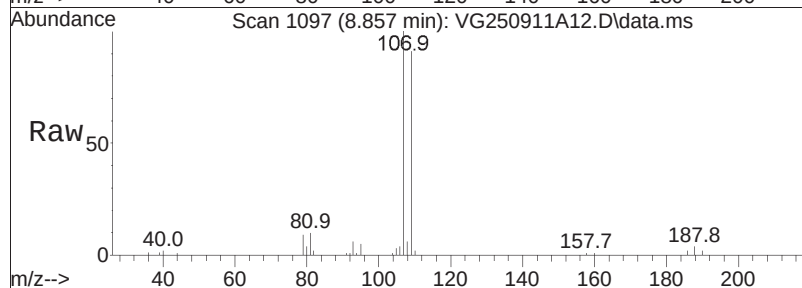
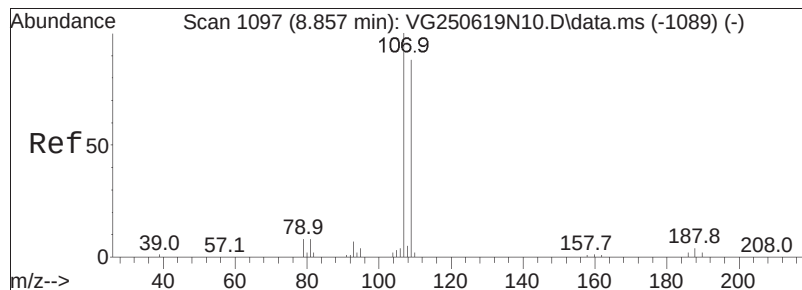




#70
 1,3-Dichloropropane
 Concen: 11.55 ug/L
 RT: 8.687 min Scan# 1073
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

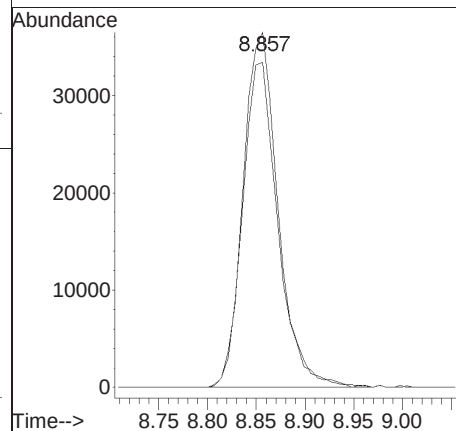
Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.3	37.9

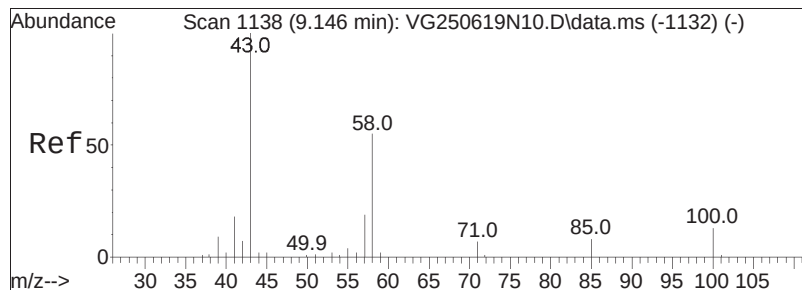




#71
 1,2-Dibromoethane
 Concen: 10.15 ug/L
 RT: 8.857 min Scan# 1097
 Delta R.T. 0.000 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.6	111.8





#72

2-Hexanone

Concen: 10.87 ug/L

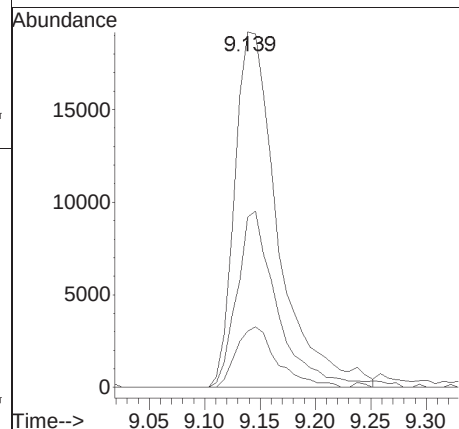
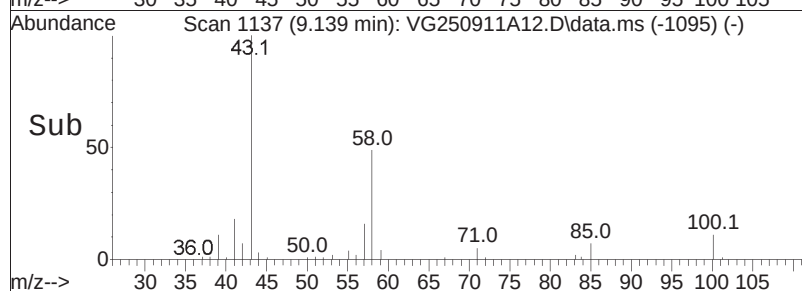
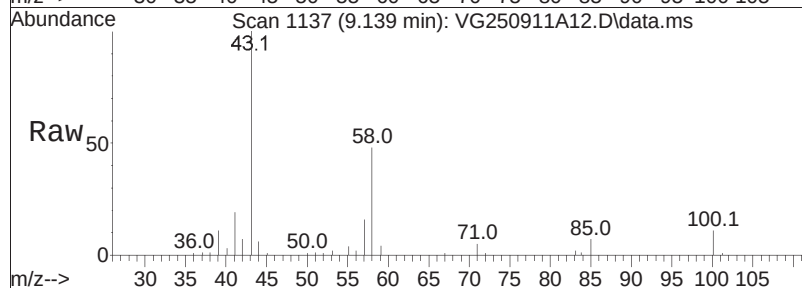
RT: 9.139 min Scan# 1137

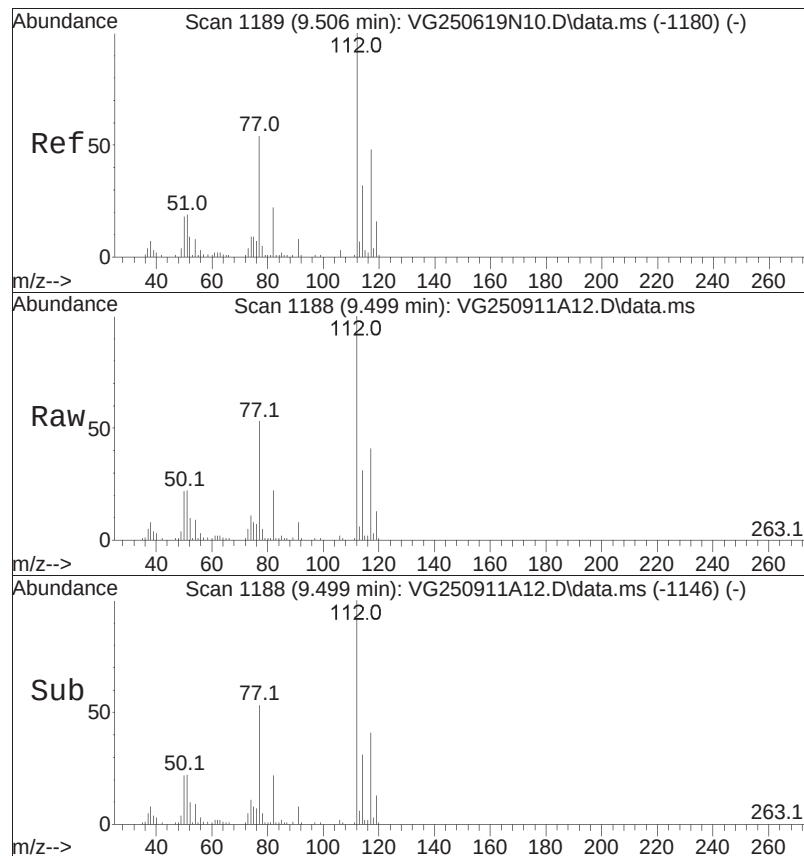
Delta R.T. -0.007 min

Lab File: VG250911A12.D

Acq: 11 Sep 2025 12:11 pm

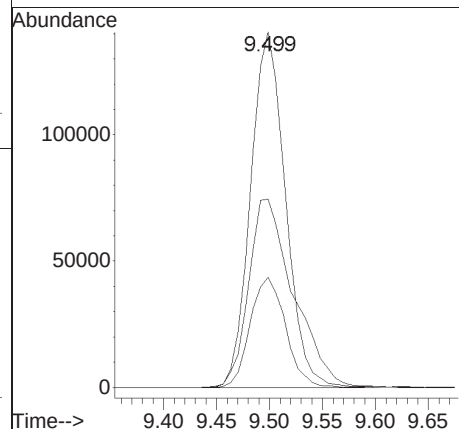
Tgt Ion:	43	Resp:	52516
Ion Ratio	Lower	Upper	
43	100		
58	46.8	44.0	66.0
57	16.1	15.7	23.5

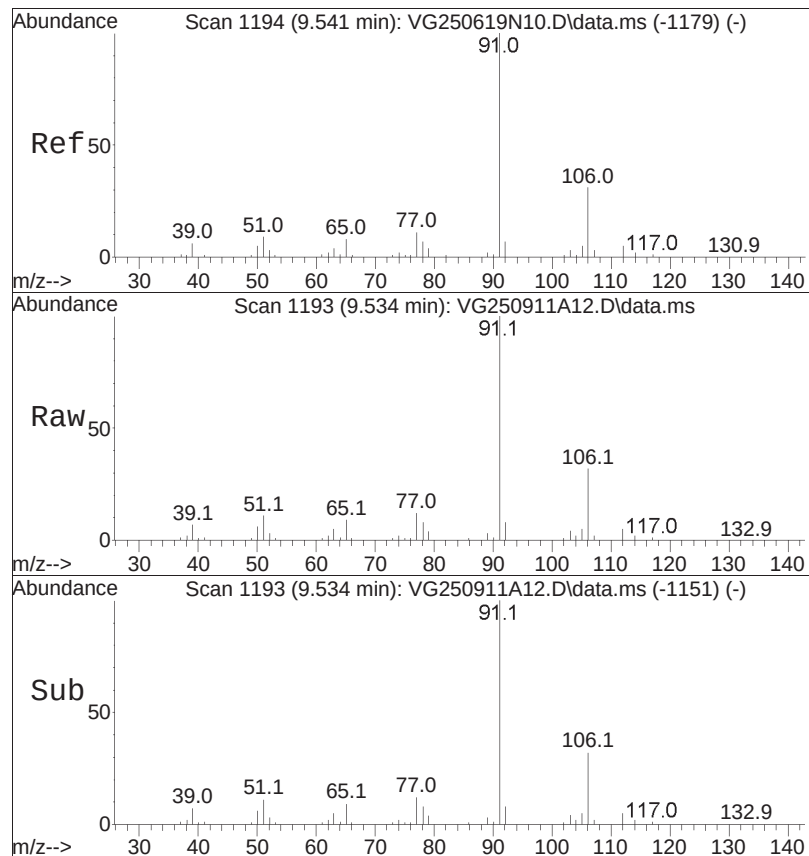




#73
 Chlorobenzene
 Concen: 11.37 ug/L
 RT: 9.499 min Scan# 1188
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

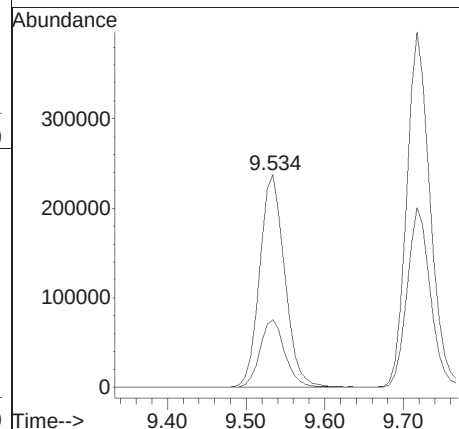
Tgt Ion:	112	Resp:	321506
Ion Ratio	Lower	Upper	
112	100		
77	68.4	53.5	80.3
114	31.5	25.8	38.6

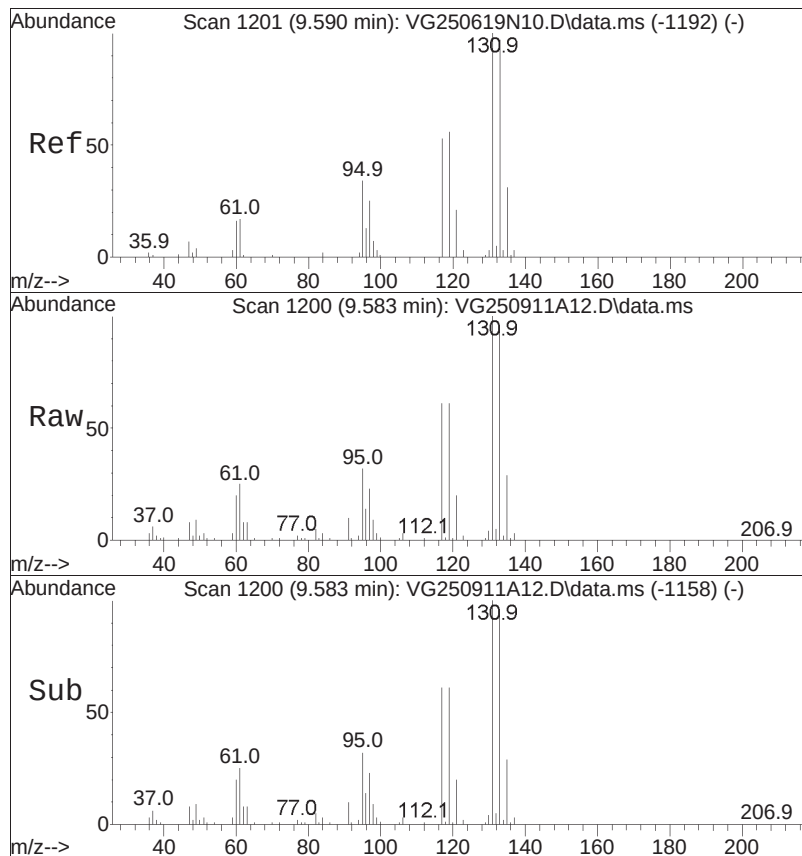




#74
 Ethylbenzene
 Concen: 11.56 ug/L
 RT: 9.534 min Scan# 1193
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

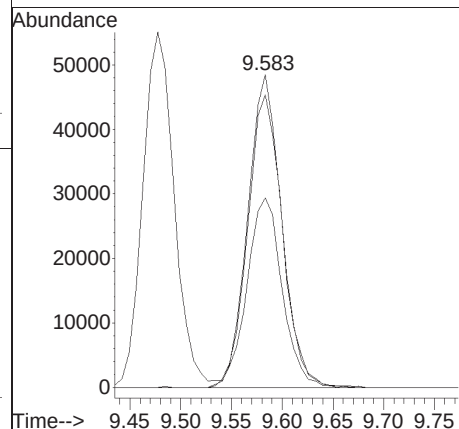
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.0	37.6

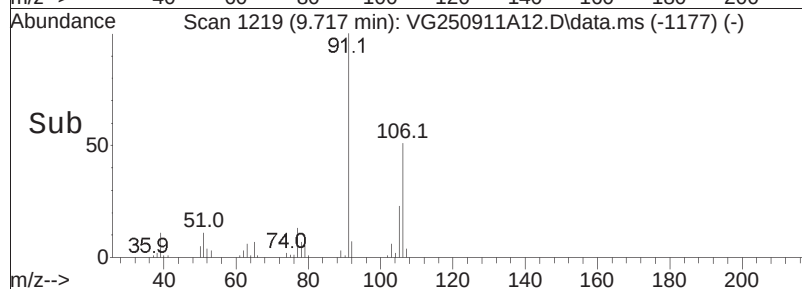
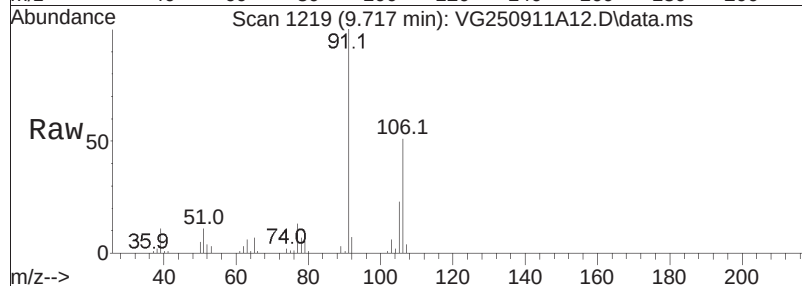
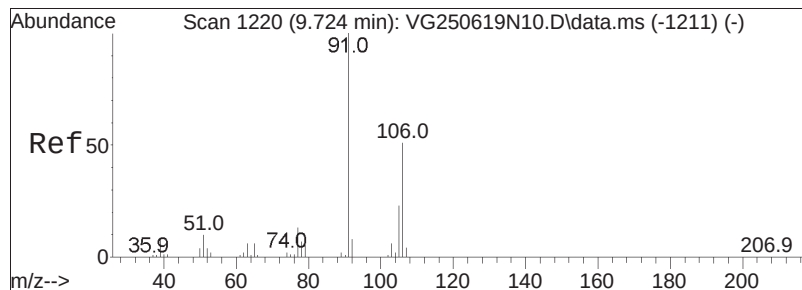




#75
 1,1,1,2-Tetrachloroethane
 Concen: 10.37 ug/L
 RT: 9.583 min Scan# 1200
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

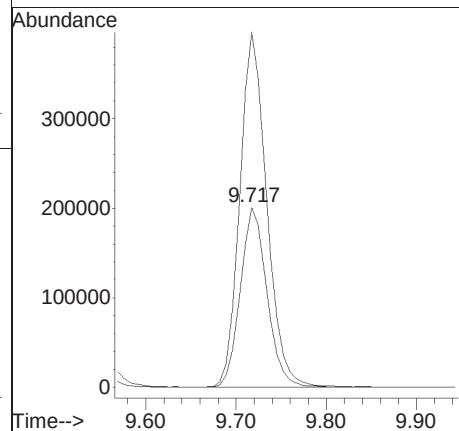
Tgt Ion:	131	Resp:	112751
Ion Ratio	Lower	Upper	
131	100		
133	95.9	76.7	116.7
119	62.5	41.9	81.9

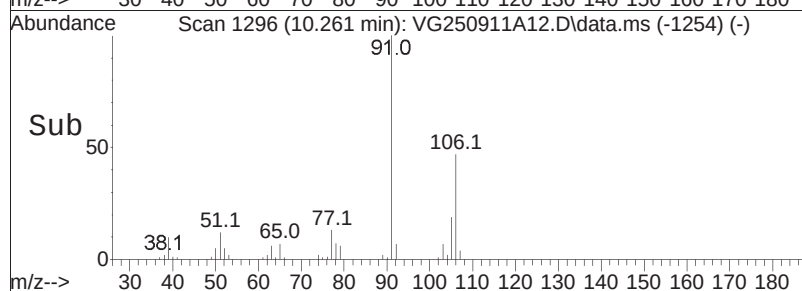
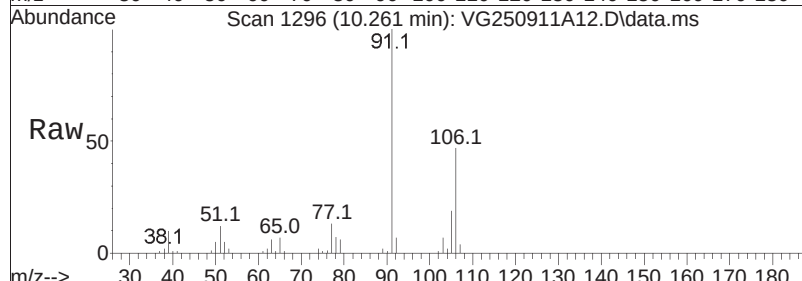
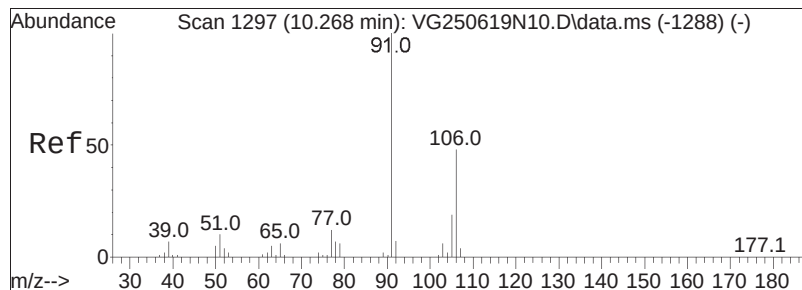




#76
p/m Xylene
Concen: 22.75 ug/L
RT: 9.717 min Scan# 1219
Delta R.T. -0.007 min
Lab File: VG250911A12.D
Acq: 11 Sep 2025 12:11 pm

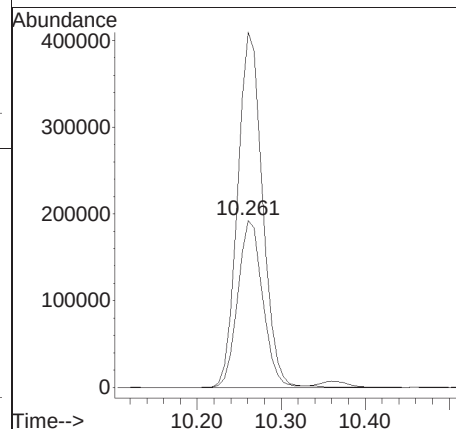
Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.8	154.8	232.2

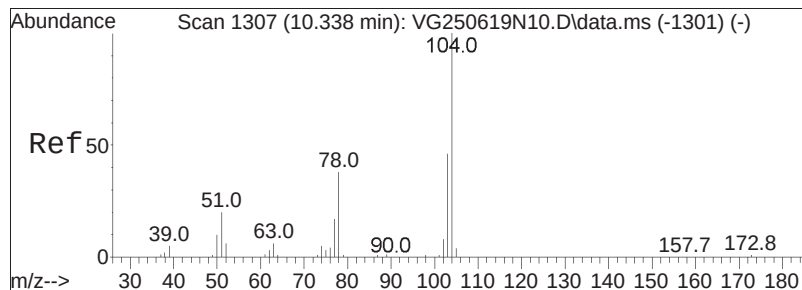




#77
 o Xylene
 Concen: 21.87 ug/L
 RT: 10.261 min Scan# 1296
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.9	166.0	249.0





#78

Styrene

Concen: 21.59 ug/L

RT: 10.331 min Scan# 1306

Delta R.T. -0.007 min

Lab File: VG250911A12.D

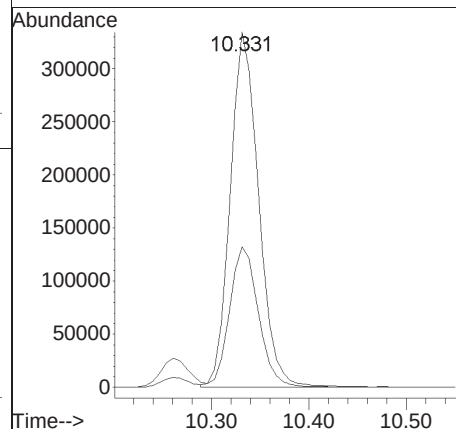
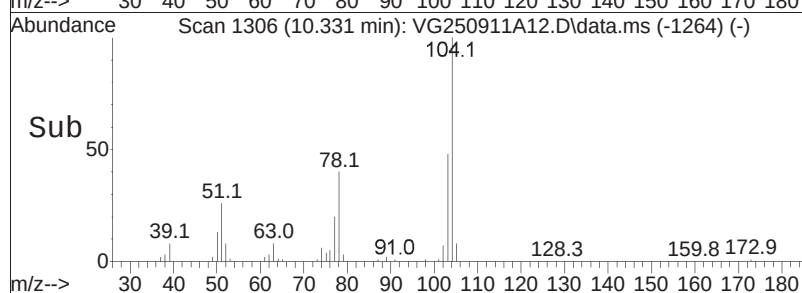
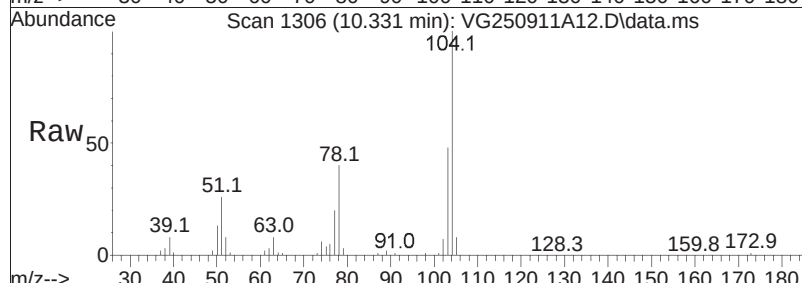
Acq: 11 Sep 2025 12:11 pm

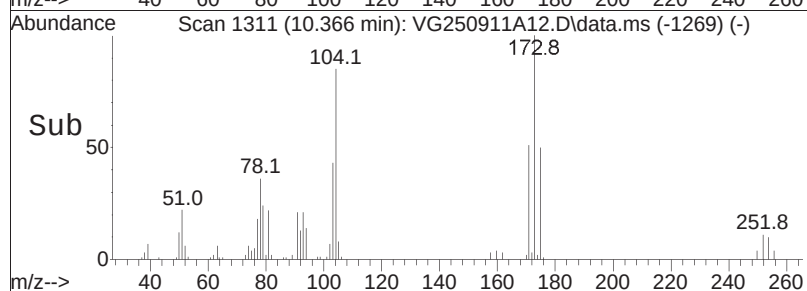
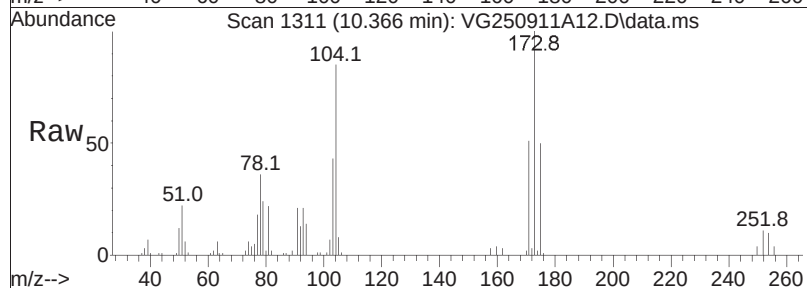
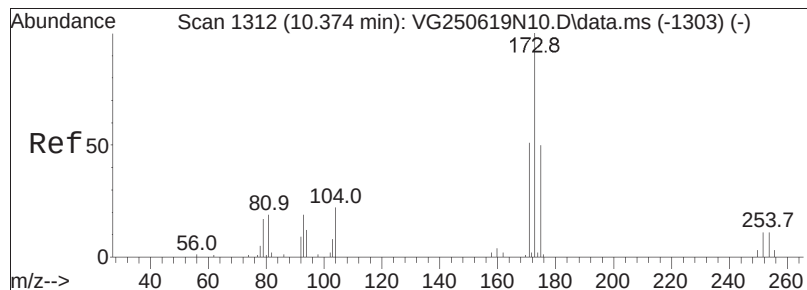
Tgt Ion:104 Resp: 675863

Ion Ratio Lower Upper

104 100

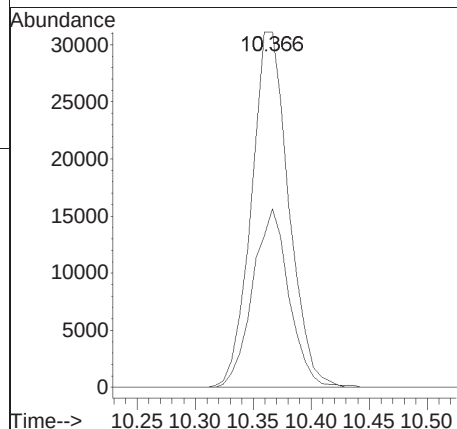
78 40.2 31.4 47.2

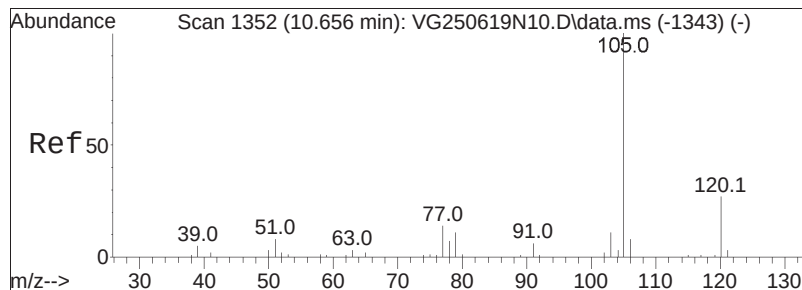




#80
 Bromoform
 Concen: 8.81 ug/L
 RT: 10.366 min Scan# 1311
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	28.8	68.8





#82

Isopropylbenzene

Concen: 11.48 ug/L

RT: 10.649 min Scan# 1351

Delta R.T. -0.007 min

Lab File: VG250911A12.D

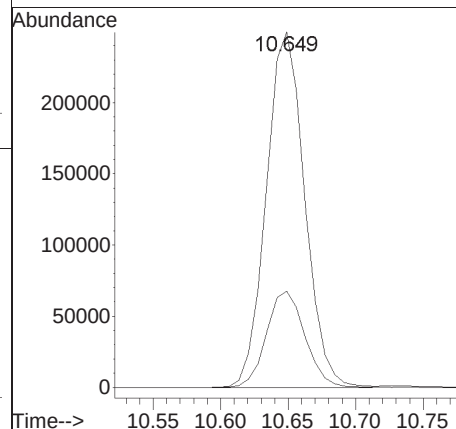
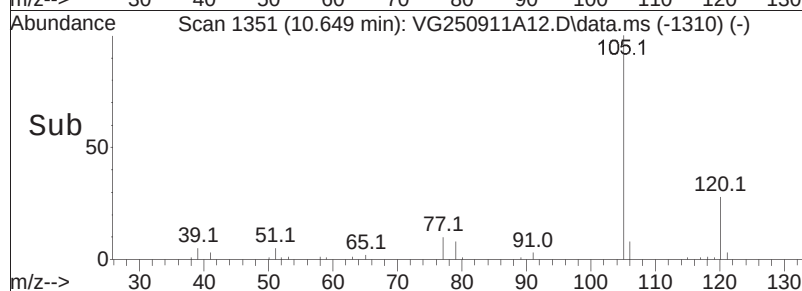
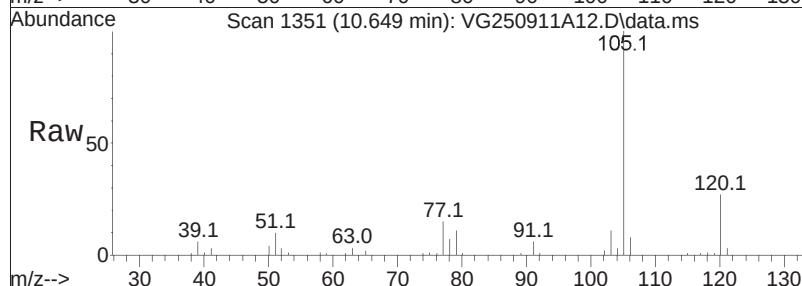
Acq: 11 Sep 2025 12:11 pm

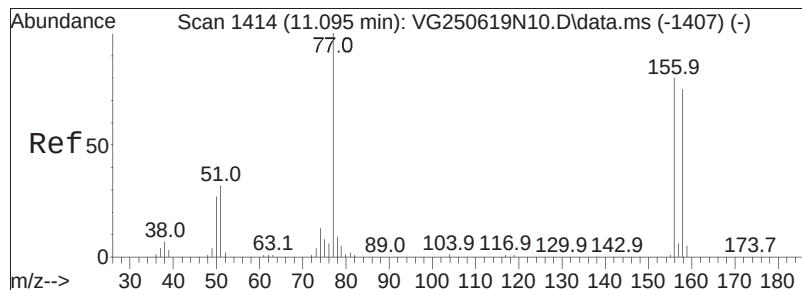
Tgt Ion:105 Resp: 492985

Ion Ratio Lower Upper

105 100

120 27.1 7.6 47.6





#84

Bromobenzene

Concen: 10.51 ug/L

RT: 11.095 min Scan# 1414

Delta R.T. 0.000 min

Lab File: VG250911A12.D

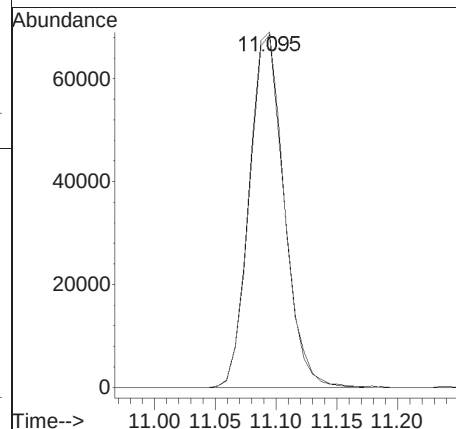
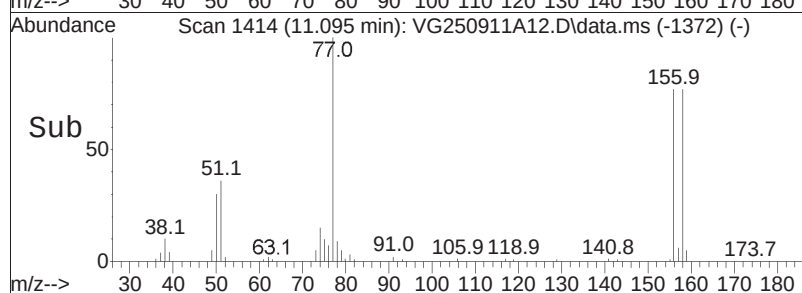
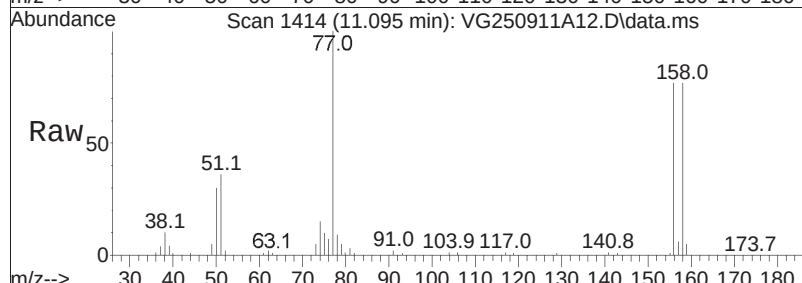
Acq: 11 Sep 2025 12:11 pm

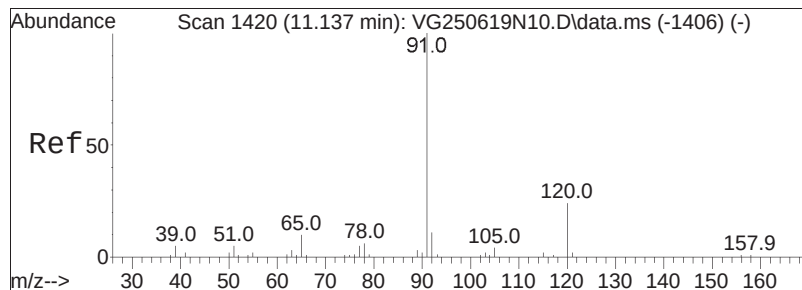
Tgt Ion:156 Resp: 138154

Ion Ratio Lower Upper

156 100

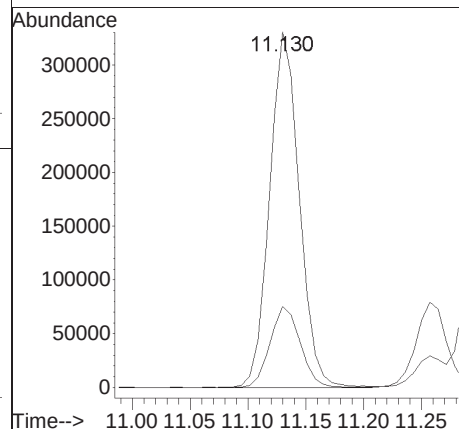
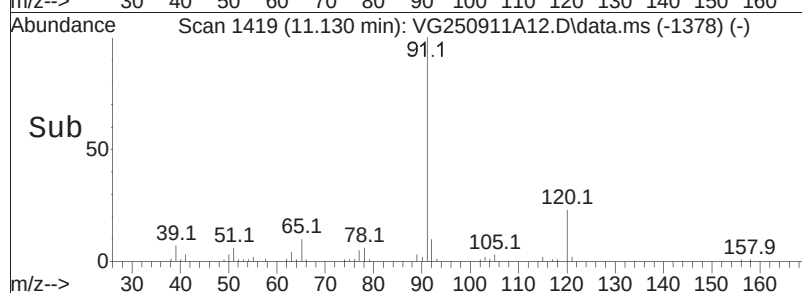
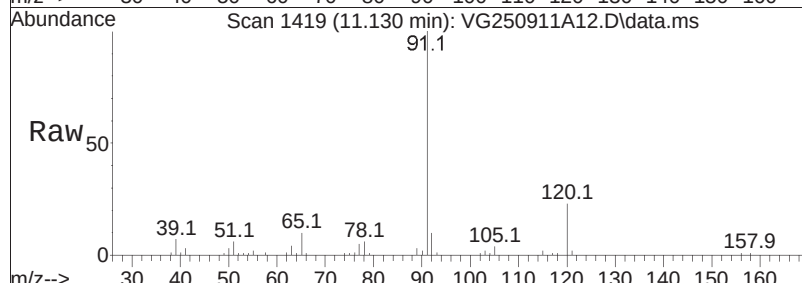
158 98.1 78.2 117.2

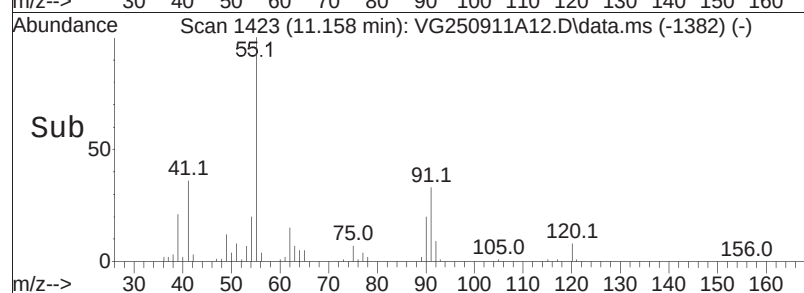
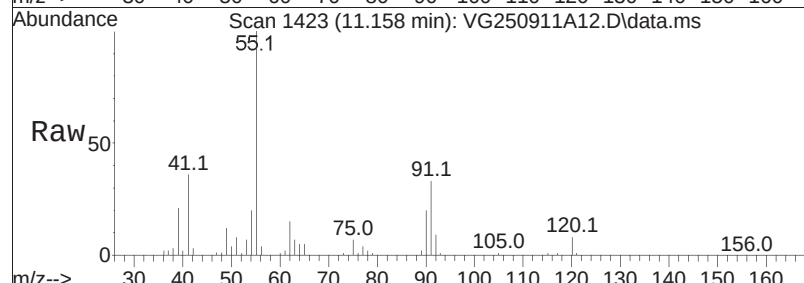
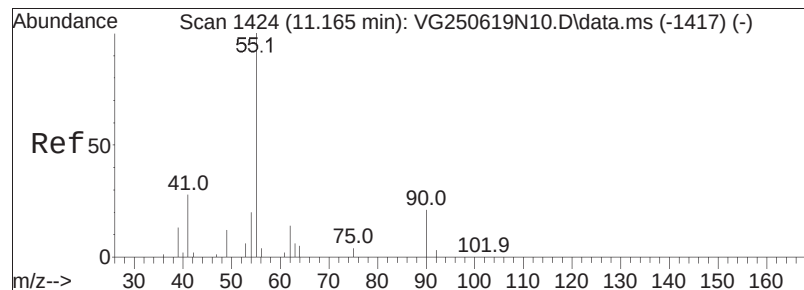




#85
 n-Propylbenzene
 Concen: 11.97 ug/L
 RT: 11.130 min Scan# 1419
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

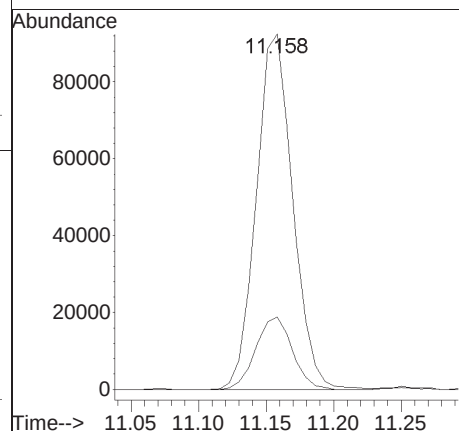
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	19.4	29.2

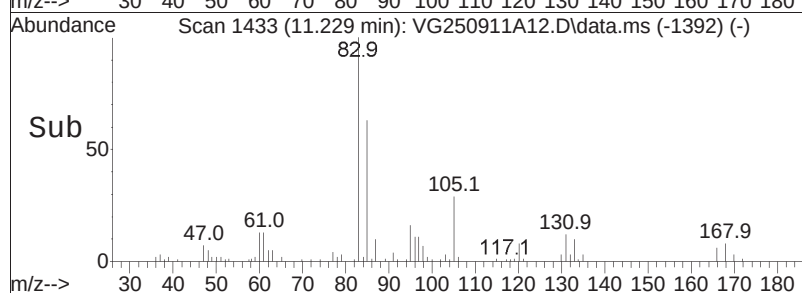
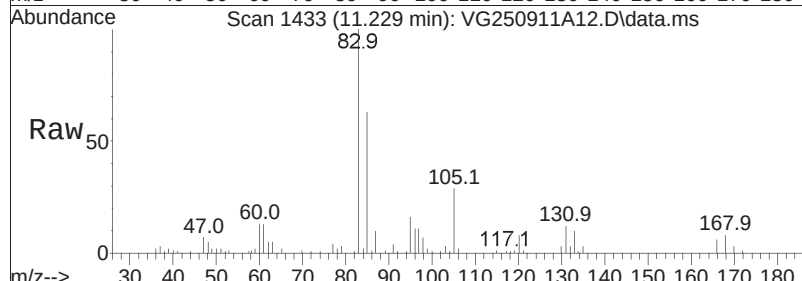
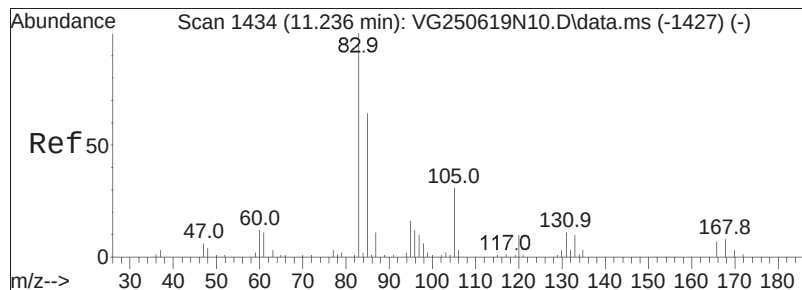




#86
 1,4-Dichlorobutane
 Concen: 12.35 ug/L
 RT: 11.158 min Scan# 1423
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion	Ratio	Lower	Upper
55	100		
54	20.4	17.0	25.6





#87

1,1,2,2-Tetrachloroethane

Concen: 10.60 ug/L

RT: 11.229 min Scan# 1433

Delta R.T. -0.007 min

Lab File: VG250911A12.D

Acq: 11 Sep 2025 12:11 pm

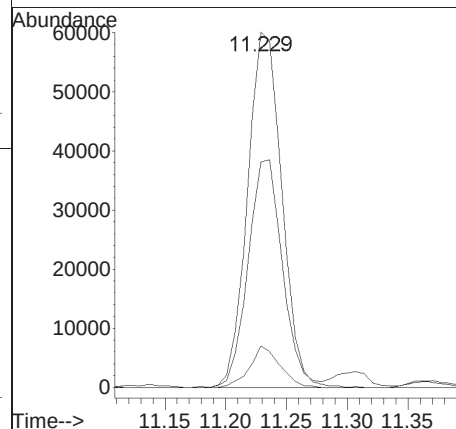
Tgt Ion: 83 Resp: 117824

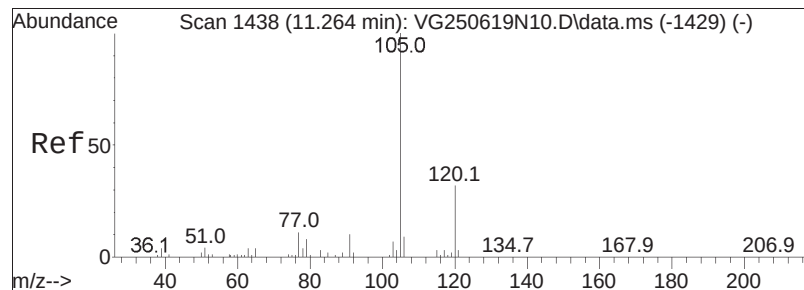
Ion Ratio Lower Upper

83 100

131 10.3 0.0 31.5

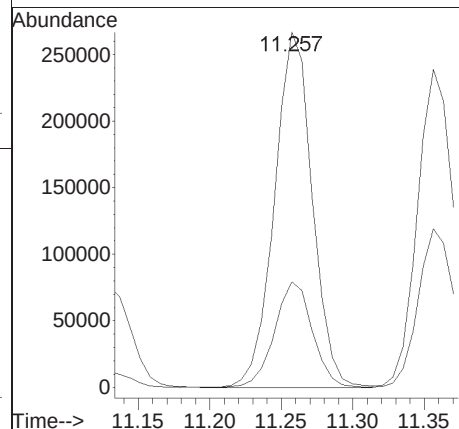
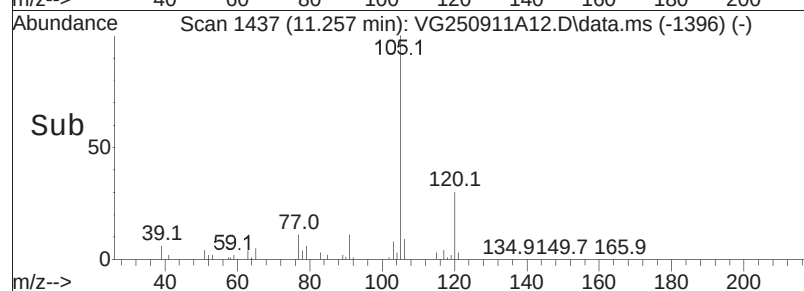
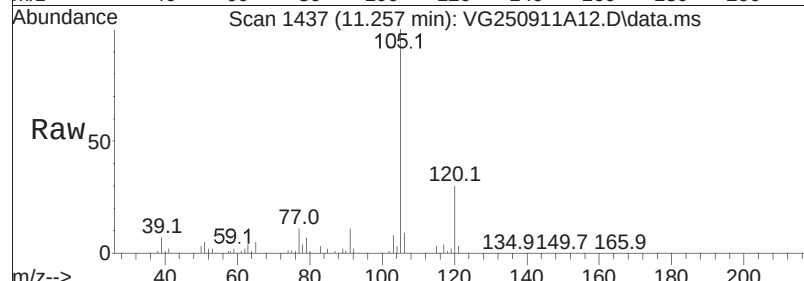
85 64.4 44.6 84.6

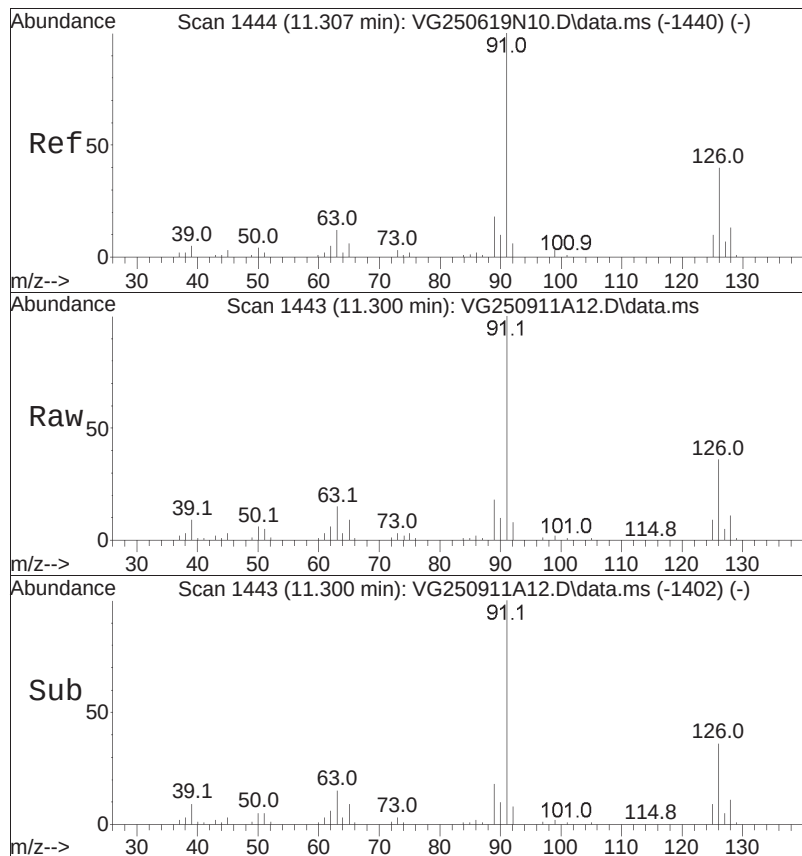




#88
 4-Ethyltoluene
 Concen: 11.59 ug/L
 RT: 11.257 min Scan# 1437
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

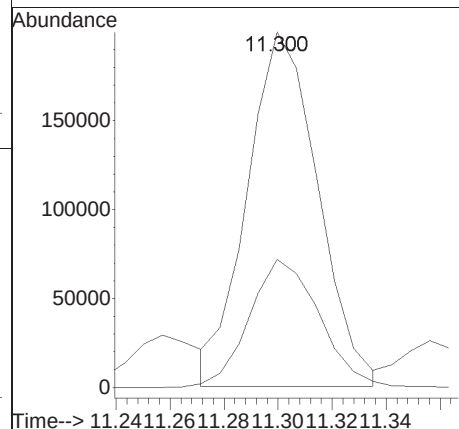
Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.7	20.4	42.4

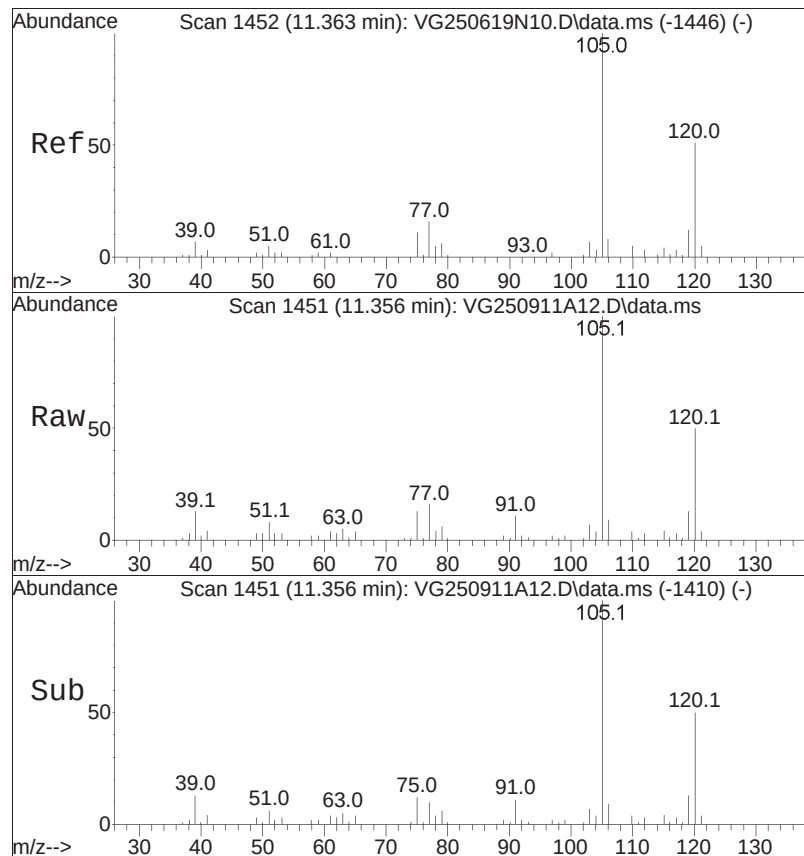




#89
 2-Chlorotoluene
 Concen: 11.74 ug/L
 RT: 11.300 min Scan# 1443
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

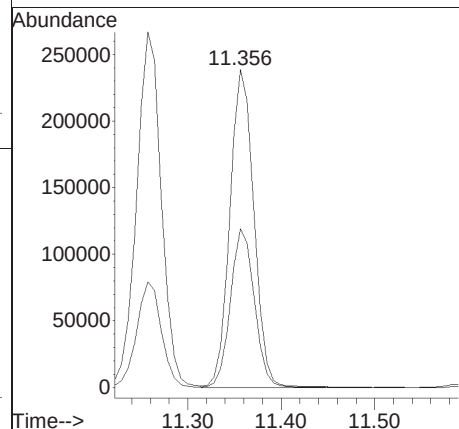
Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	29.8	44.8

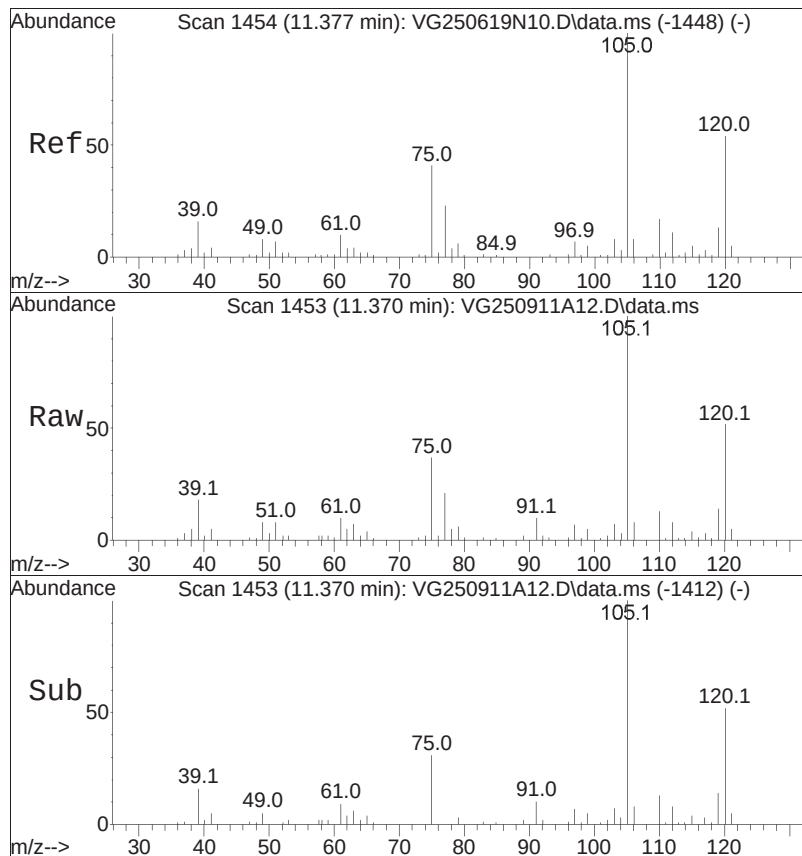




#90
 1,3,5-Trimethylbenzene
 Concen: 11.52 ug/L
 RT: 11.356 min Scan# 1451
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

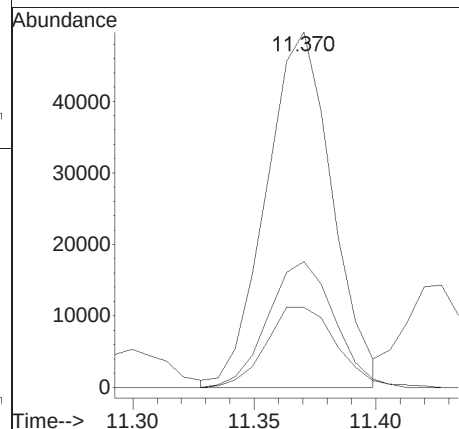
Tgt Ion:	105	Resp:	425500
Ion Ratio	Lower	Upper	
105	100		
120	49.7	40.7	61.1

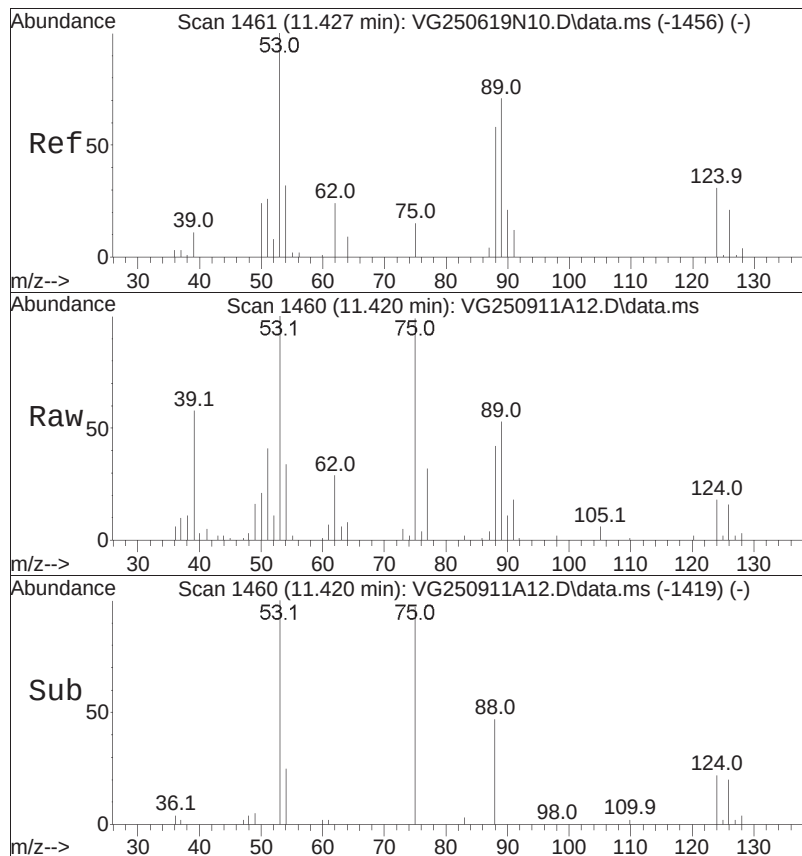




#91
 1,2,3-Trichloropropane
 Concen: 11.11 ug/L
 RT: 11.370 min Scan# 1453
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

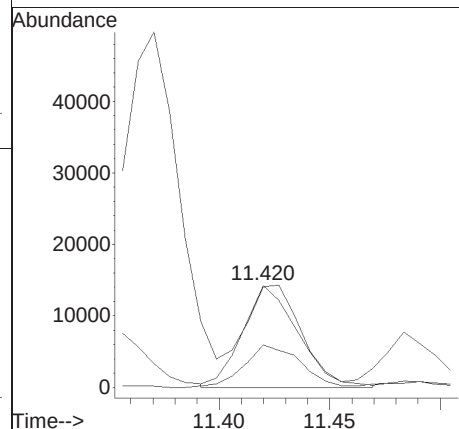
Tgt Ion:	75	Resp:	93786
Ion Ratio	Lower	Upper	
75	100		
110	35.8	25.0	51.8
112	24.0	16.8	34.8

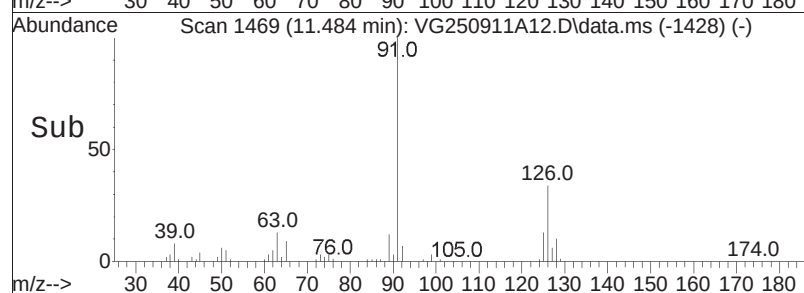
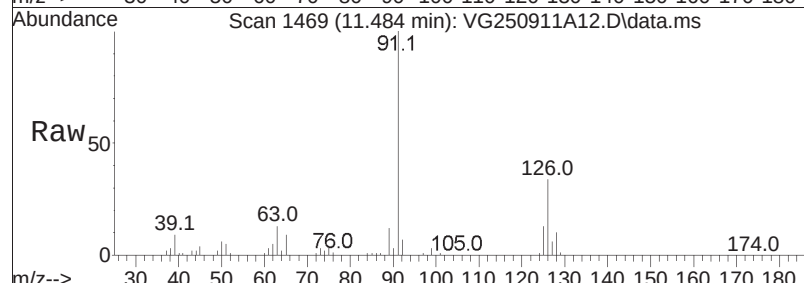
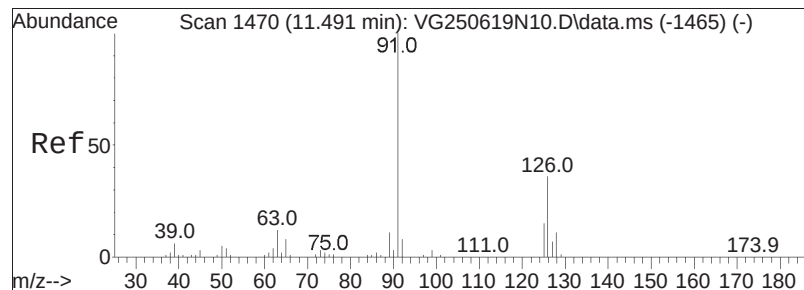




#92
 trans-1,4-Dichloro-2-butene
 Concen: 8.02 ug/L
 RT: 11.420 min Scan# 1460
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion:	53	Resp:	24865
Ion Ratio	Lower	Upper	
53	100		
88	42.5	44.8	67.2#
75	103.6	108.5	162.7#





#93

4-Chlorotoluene

Concen: 11.73 ug/L

RT: 11.484 min Scan# 1469

Delta R.T. -0.007 min

Lab File: VG250911A12.D

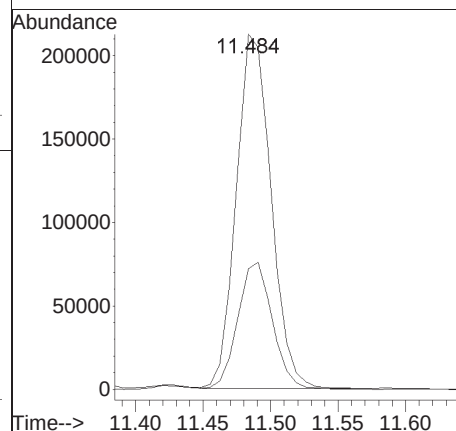
Acq: 11 Sep 2025 12:11 pm

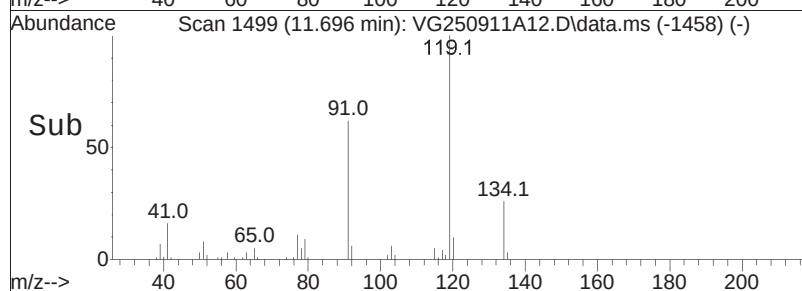
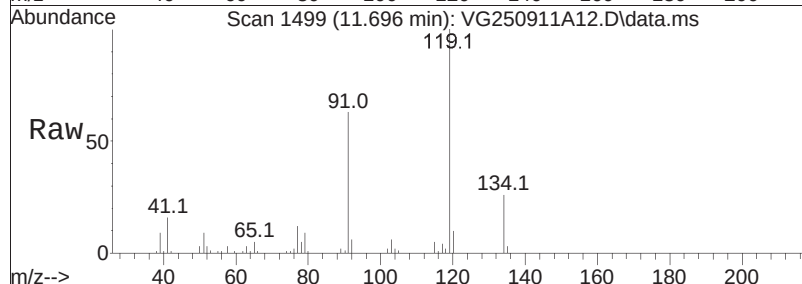
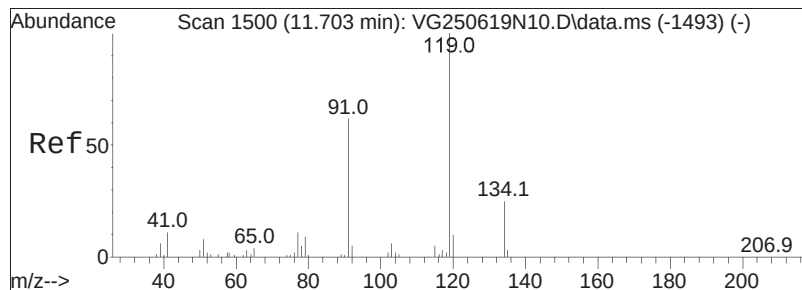
Tgt Ion: 91 Resp: 380792

Ion Ratio Lower Upper

91 100

126 36.0 29.9 44.9





#94

tert-Butylbenzene

Concen: 11.10 ug/L

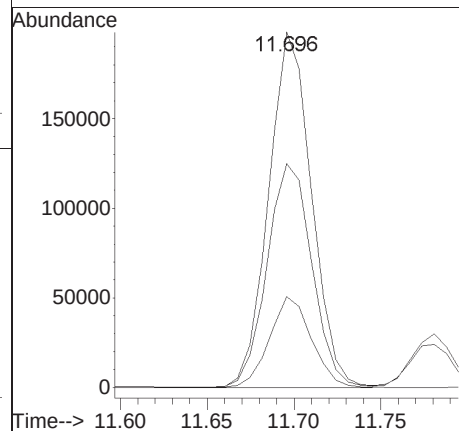
RT: 11.696 min Scan# 1499

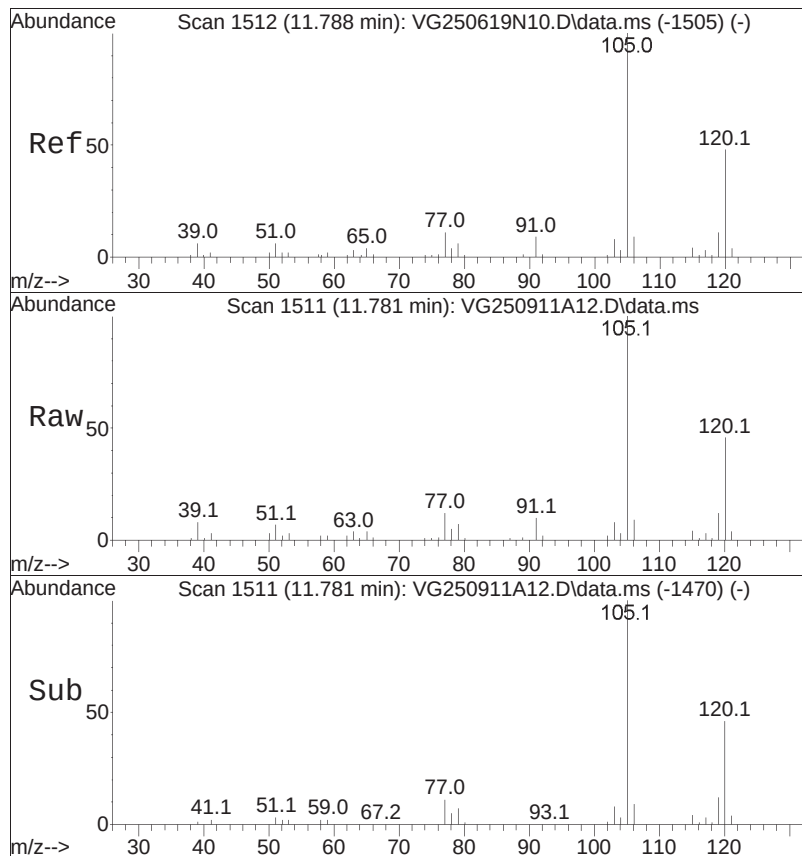
Delta R.T. -0.007 min

Lab File: VG250911A12.D

Acq: 11 Sep 2025 12:11 pm

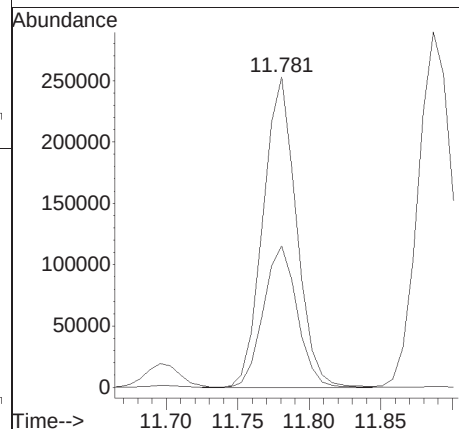
Tgt	Ion:119	Resp:	340514
Ion	Ratio	Lower	Upper
119	100		
91	65.5	50.2	75.2
134	24.9	20.2	30.2

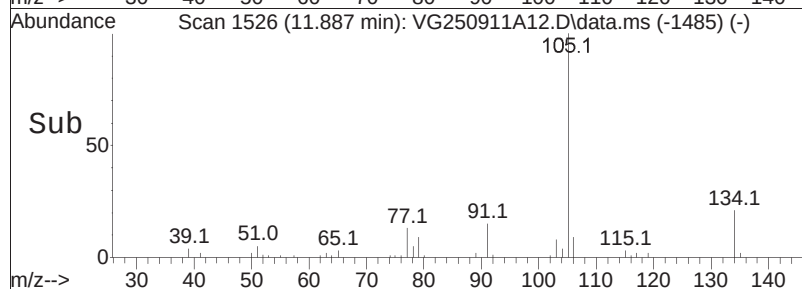
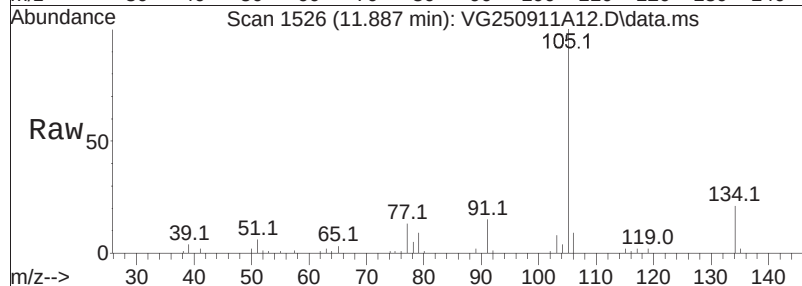
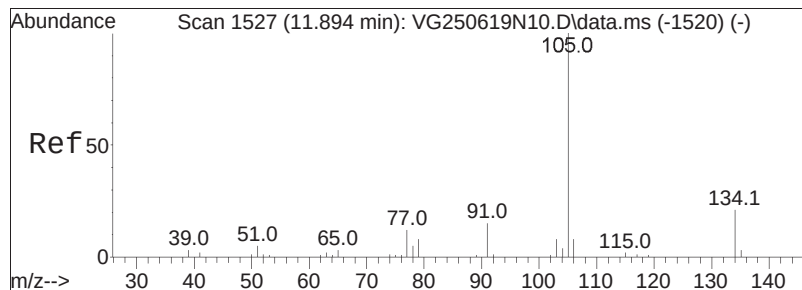




#97
 1,2,4-Trimethylbenzene
 Concen: 11.13 ug/L
 RT: 11.781 min Scan# 1511
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

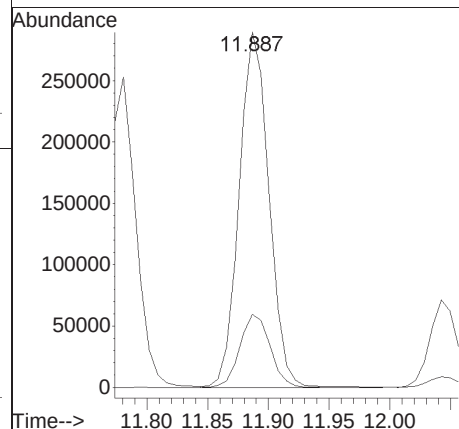
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	38.2	57.2

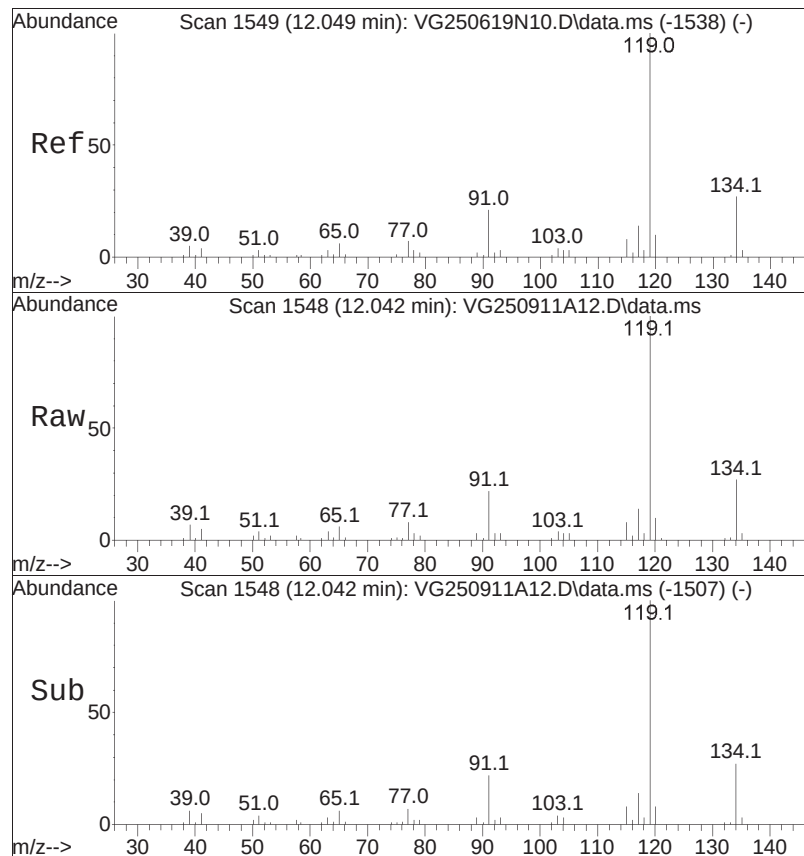




#98
 sec-Butylbenzene
 Concen: 11.77 ug/L
 RT: 11.887 min Scan# 1526
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

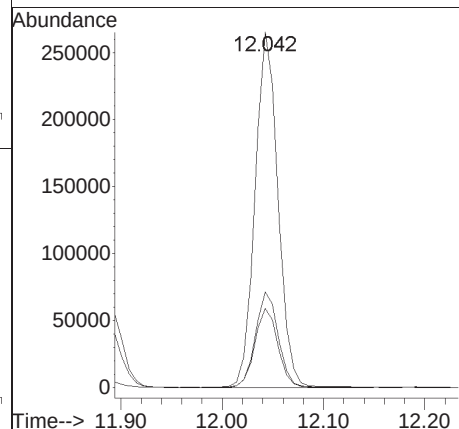
Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.8	13.7	28.5

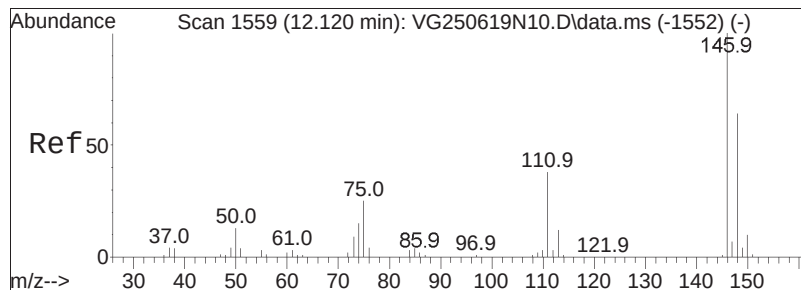




#99
 p-Isopropyltoluene
 Concen: 11.09 ug/L
 RT: 12.042 min Scan# 1548
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

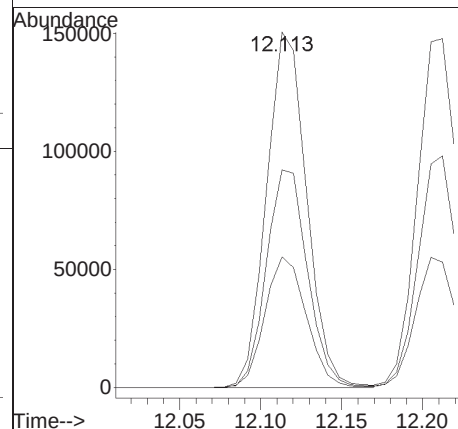
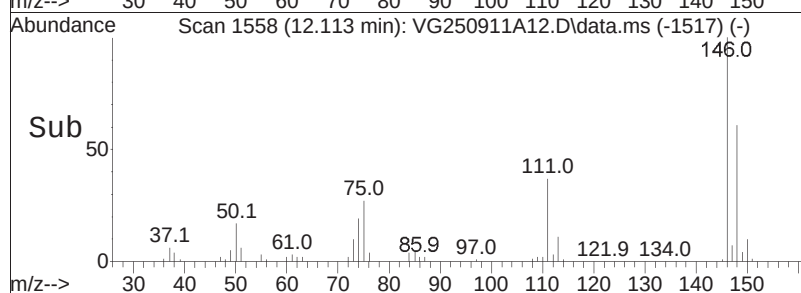
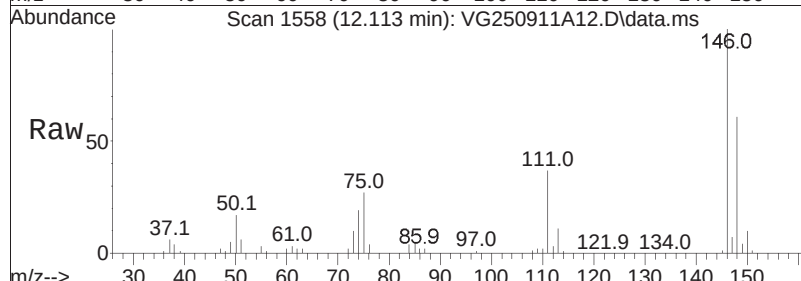
Tgt	Ion:119	Resp:	417194
Ion	Ratio	Lower	Upper
119	100		
134	26.6	17.7	36.9
91	22.5	14.4	30.0

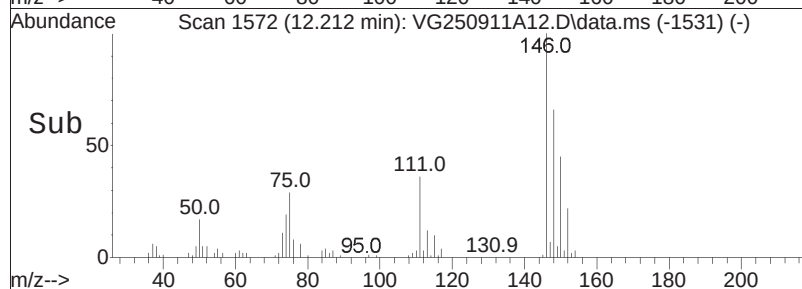
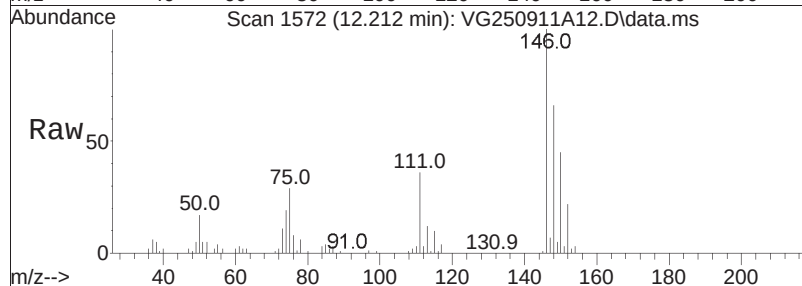
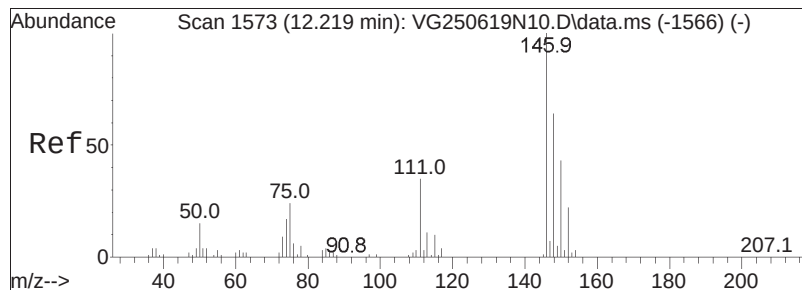




#100
 1,3-Dichlorobenzene
 Concen: 10.86 ug/L
 RT: 12.113 min Scan# 1558
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

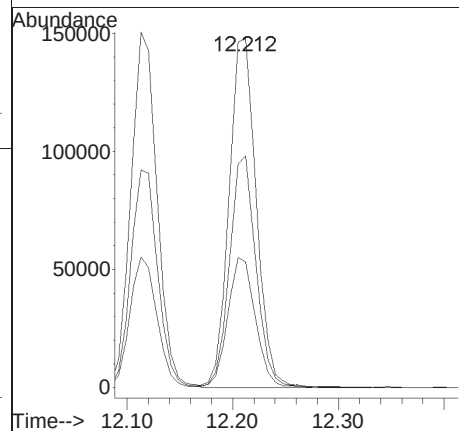
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	23.9	49.5
148	62.9	41.2	85.6

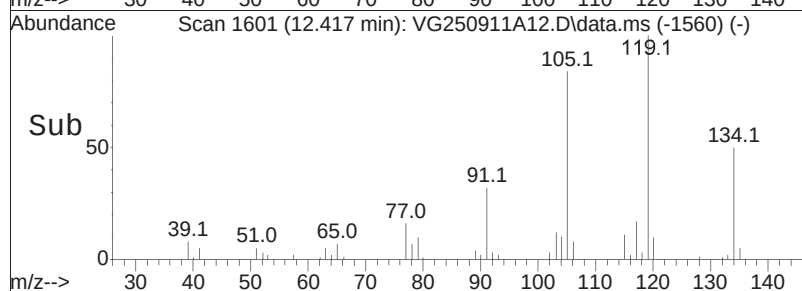
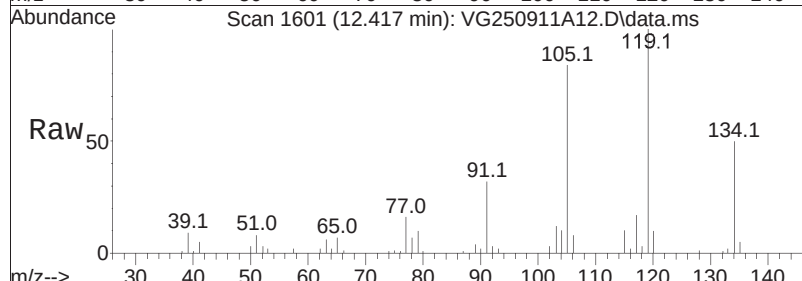
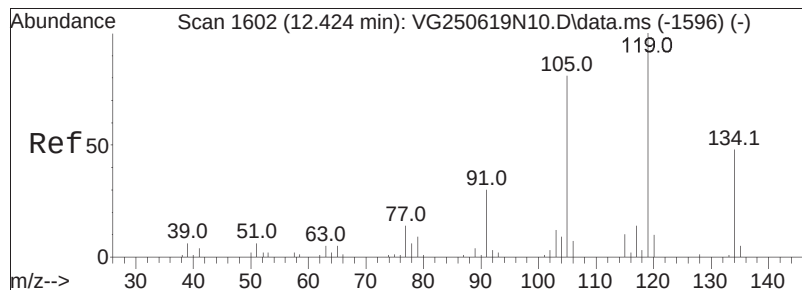




#101
 1,4-Dichlorobenzene
 Concen: 10.81 ug/L
 RT: 12.212 min Scan# 1572
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

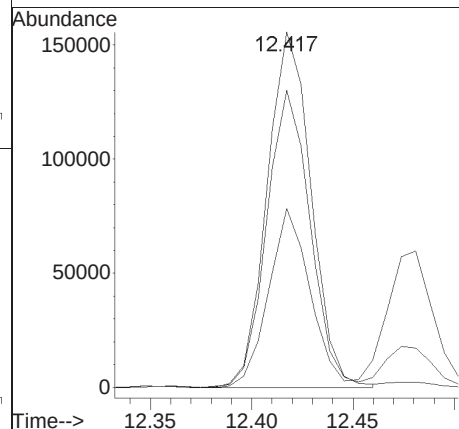
Tgt	Ion:146	Resp:	264950
Ion	Ratio	Lower	Upper
146	100		
111	37.6	28.9	43.3
148	64.4	51.2	76.8

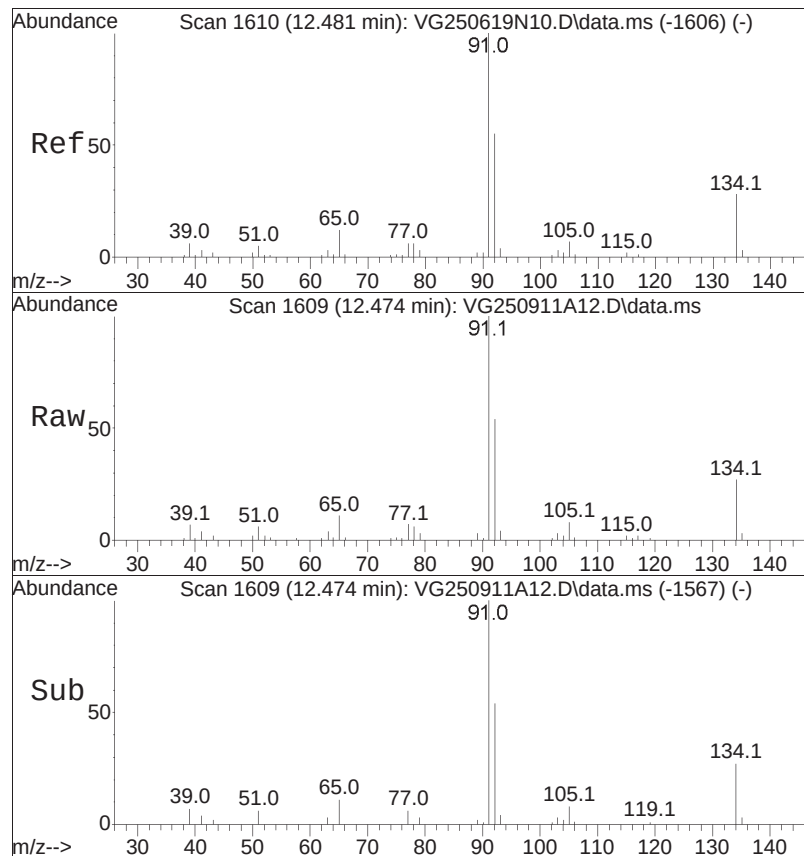




#102
 p-Diethylbenzene
 Concen: 10.58 ug/L
 RT: 12.417 min Scan# 1601
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

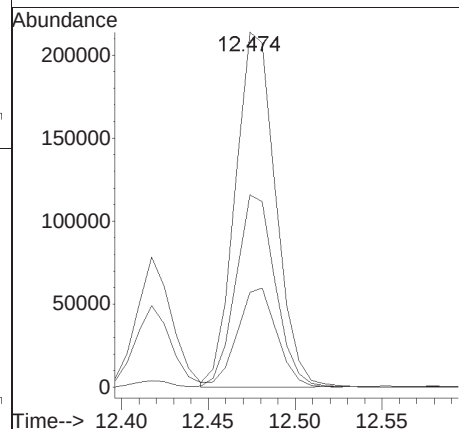
Tgt Ion:	119	Resp:	235361
Ion Ratio	Lower	Upper	
119	100		
105	82.6	52.6	109.2
134	47.3	31.9	66.3

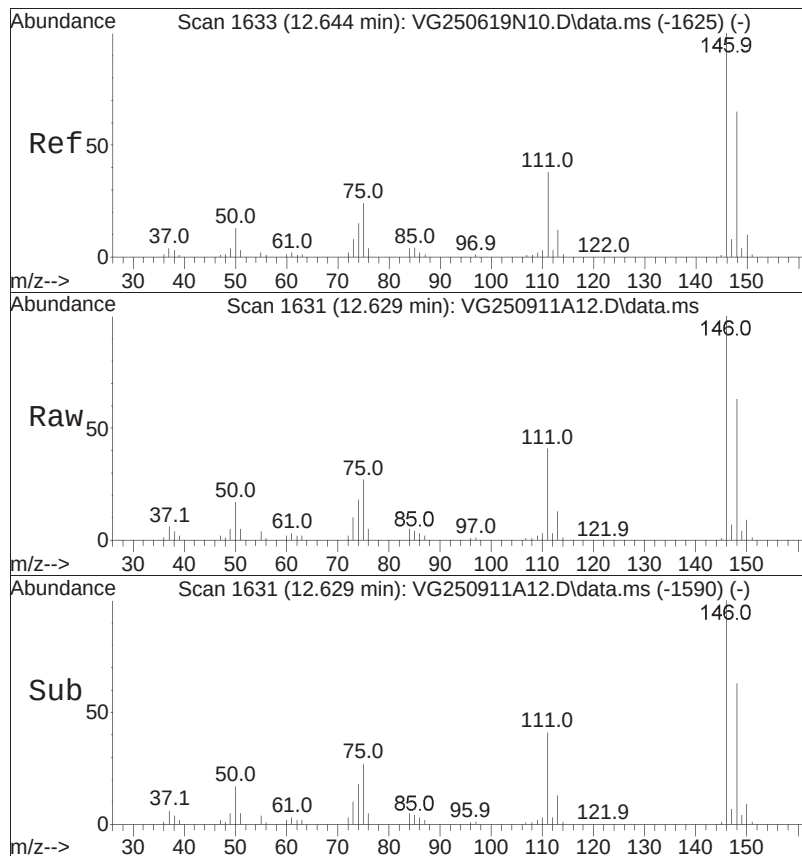




#103
 n-Butylbenzene
 Concen: 11.95 ug/L
 RT: 12.474 min Scan# 1609
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

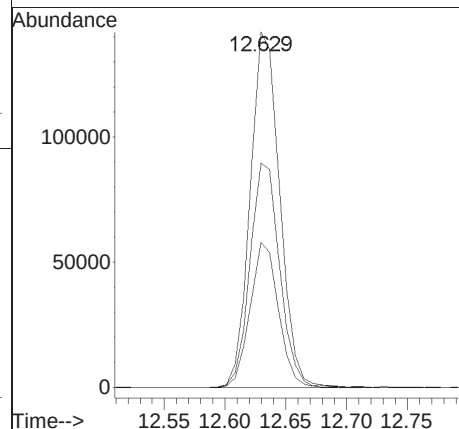
Tgt Ion:	91	Resp:	345584
Ion Ratio	Lower	Upper	
91	100		
92	53.5	44.1	66.1
134	27.4	23.1	34.7

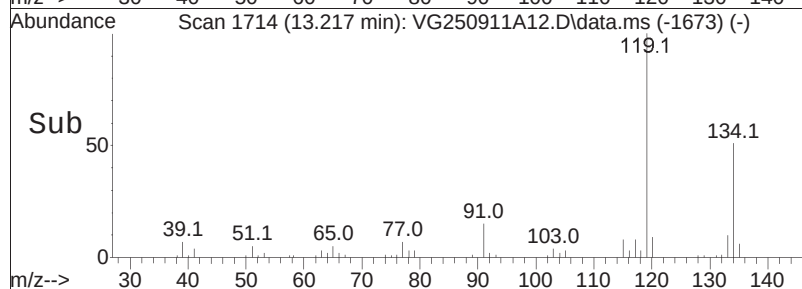
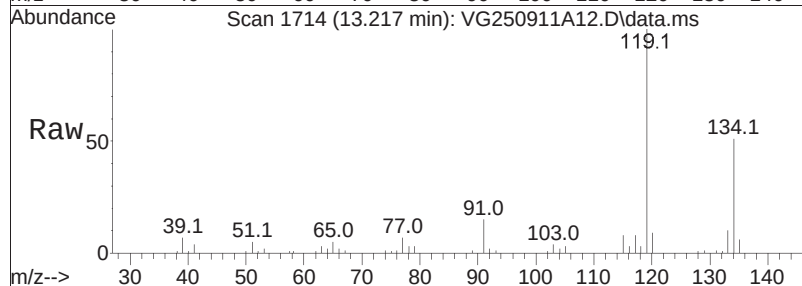
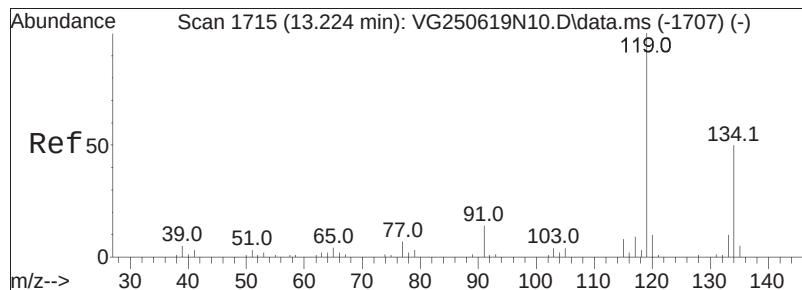




#104
 1,2-Dichlorobenzene
 Concen: 10.51 ug/L
 RT: 12.629 min Scan# 1631
 Delta R.T. -0.014 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt Ion:	146	Resp:	239471
Ion Ratio	Lower	Upper	
146	100		
111	39.2	24.6	51.0
148	63.8	41.4	86.0





#105

1,2,4,5-Tetramethylbenzene

Concen: 8.62 ug/L

RT: 13.217 min Scan# 1714

Delta R.T. -0.007 min

Lab File: VG250911A12.D

Acq: 11 Sep 2025 12:11 pm

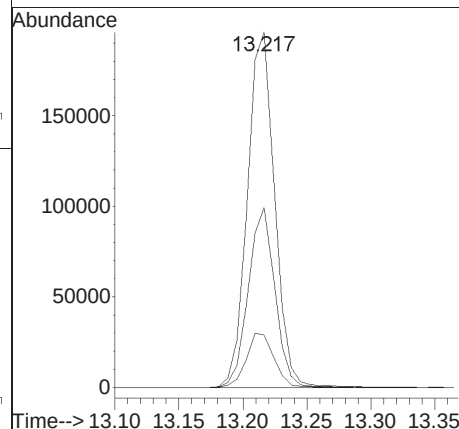
Tgt Ion:119 Resp: 290521

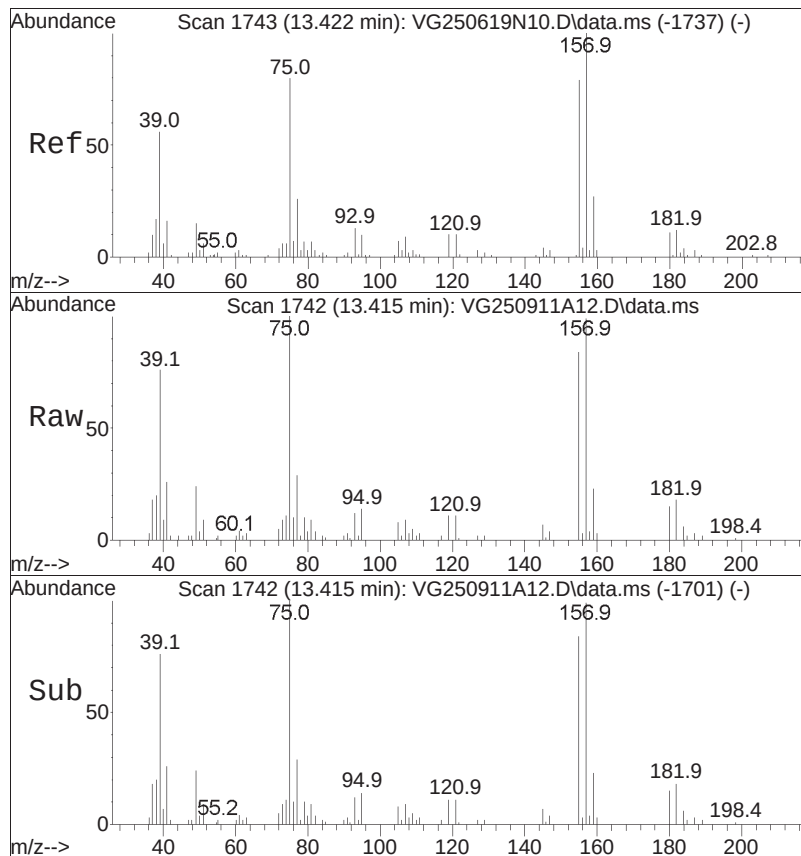
Ion Ratio Lower Upper

119 100

134 49.5 32.1 66.7

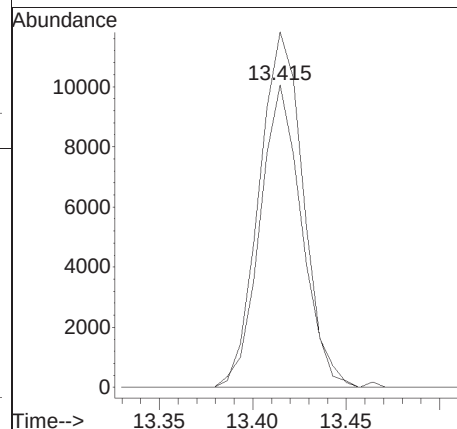
91 15.6 9.6 20.0

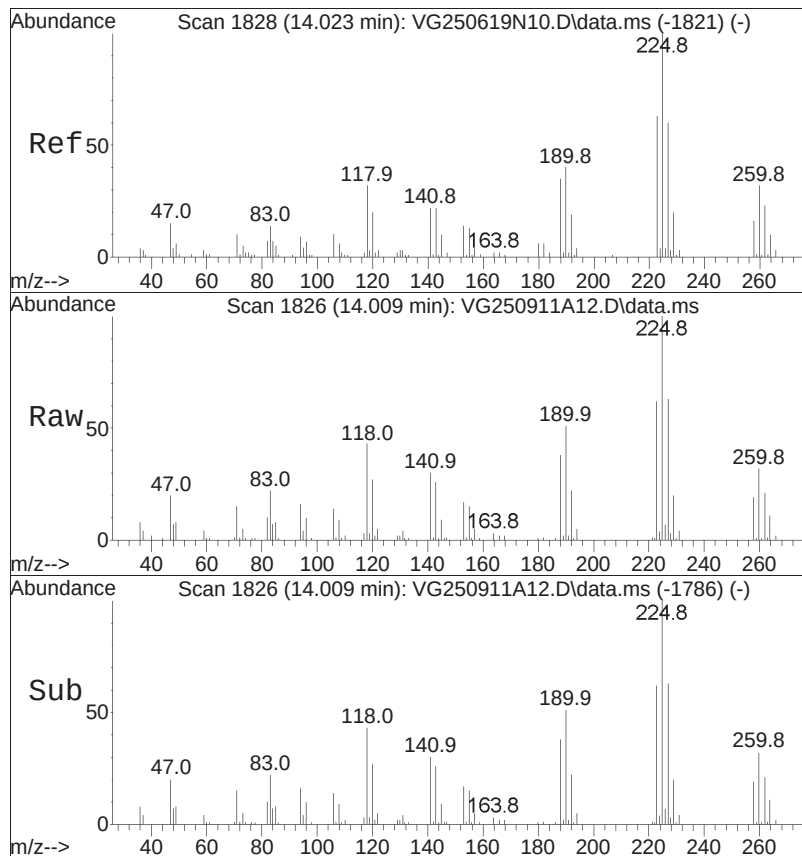




#106
 1,2-Dibromo-3-chloropropane
 Concen: 7.71 ug/L
 RT: 13.415 min Scan# 1742
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

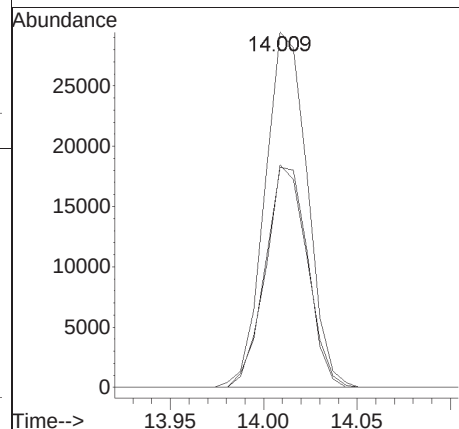
Tgt Ion	Ratio	Lower	Upper
155	100		
157	124.0	99.0	148.6

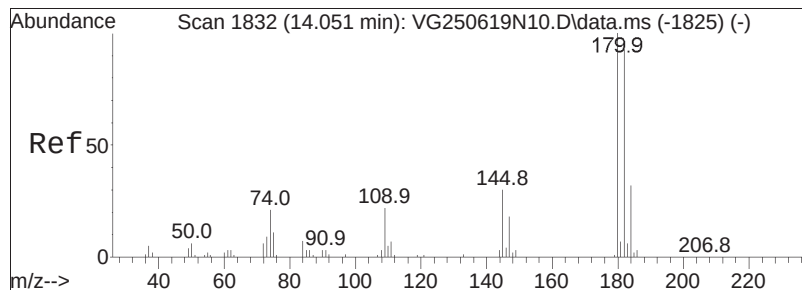




#108
 Hexachlorobutadiene
 Concen: 9.78 ug/L
 RT: 14.009 min Scan# 1826
 Delta R.T. -0.014 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

Tgt	Ion:225	Resp:	46572
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.5	75.7
227	61.3	50.8	76.2





#109

1,2,4-Trichlorobenzene

Concen: 8.37 ug/L

RT: 14.044 min Scan# 1831

Delta R.T. -0.007 min

Lab File: VG250911A12.D

Acq: 11 Sep 2025 12:11 pm

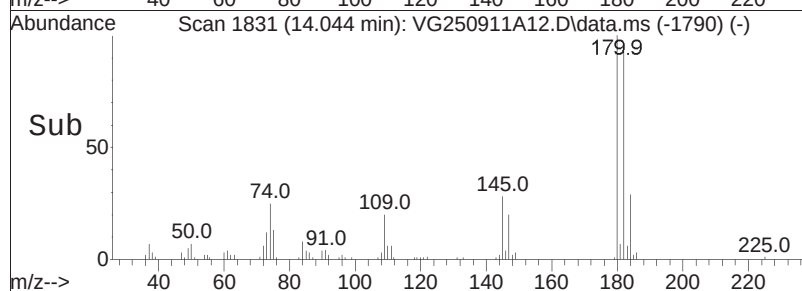
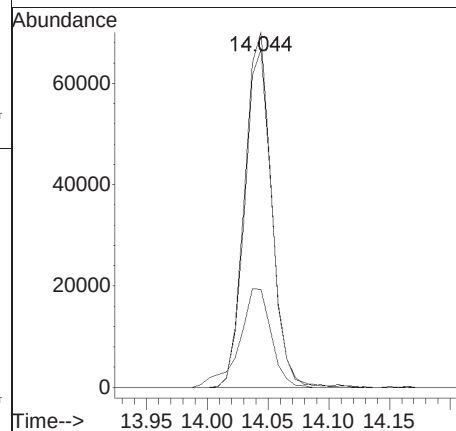
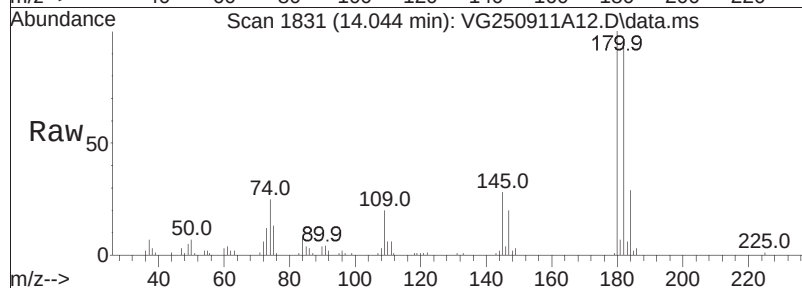
Tgt Ion:180 Resp: 107949

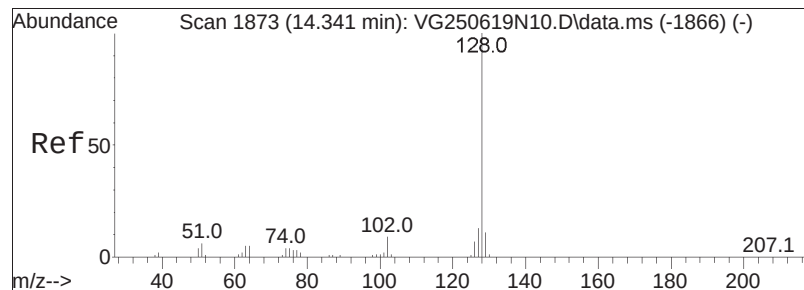
Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

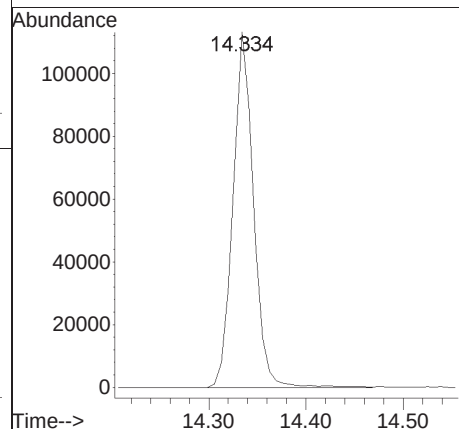
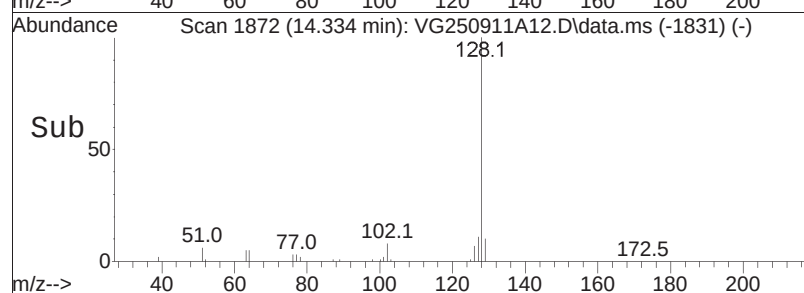
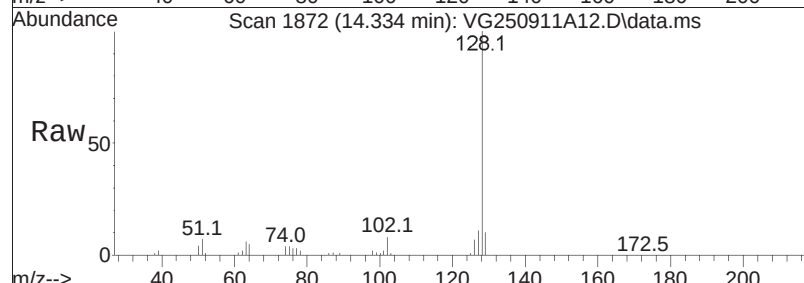
145 32.9 25.3 37.9

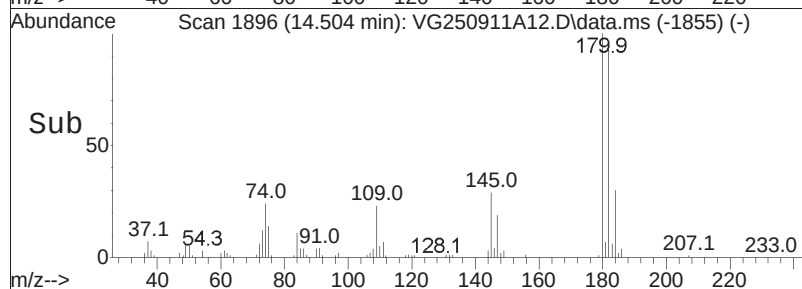
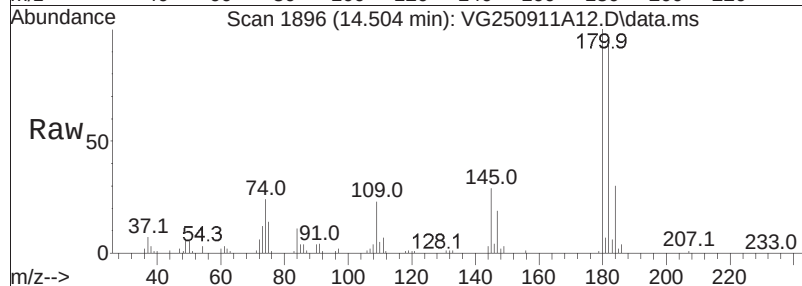
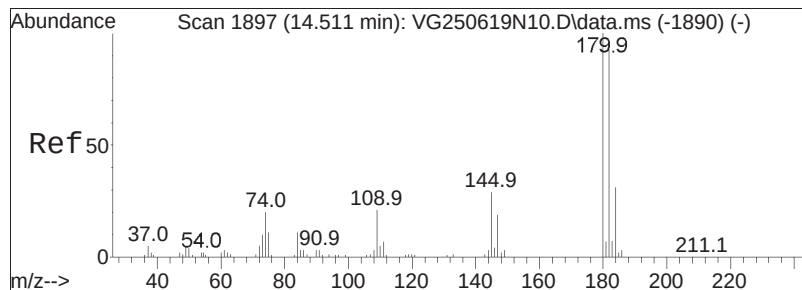




#110
Naphthalene
Concen: 6.18 ug/L
RT: 14.334 min Scan# 1872
Delta R.T. -0.007 min
Lab File: VG250911A12.D
Acq: 11 Sep 2025 12:11 pm

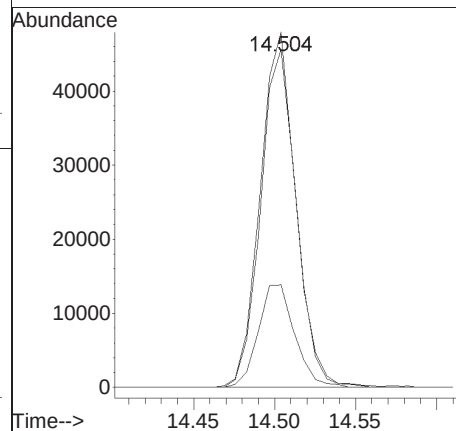
Tgt Ion:128 Resp: 165929





#111
 1,2,3-Trichlorobenzene
 Concen: 7.39 ug/L
 RT: 14.504 min Scan# 1896
 Delta R.T. -0.007 min
 Lab File: VG250911A12.D
 Acq: 11 Sep 2025 12:11 pm

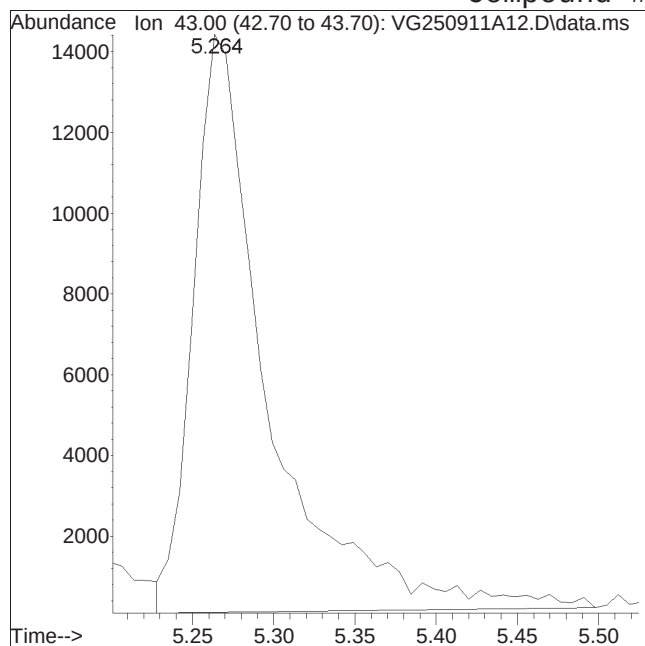
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.8	115.2
145	29.7	24.1	36.1



Manual Integration Report

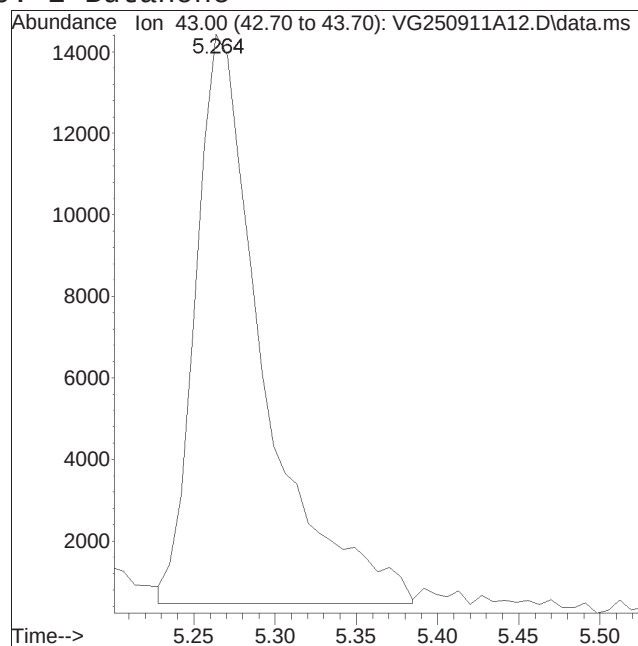
Data Path : K:\Gonzo\2025\250911A\ QMethod : G_250619N_8260.m
Data File : VG250911A12.D Operator : GONZO:mjv
Date Inj'd : 9/11/2025 12:11 pm Instrument : Gonzo
Sample : WG2113862-7,31,10,10,,A2 Quant Date : 9/12/2025 7:53 am

Compound #39: 2-Butanone



Original Peak Response = 45870

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 40493 M6

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * (1/\text{Vo})$

Where:

DF = Dilution Factor

Vo = Sample Volume Purged (mL)

Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: $\text{Amt} * \text{DF} * (1/\text{Wt})$

Where:

DF = Dilution Factor

Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Sep 22 2025, 10:10 am

Work Group: WG2113862 for Department: 31 GC/MS - Volatiles

Created: 12-SEP-25 Due: Operator: mjb

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2554658-01	MW-2	S NYTCL-8260	WATER	DONE	U	0912	0915	S0	Vial-B
L2554658-02	MW-3	S NYTCL-8260	WATER	DONE	U	0912	0915	S0	Vial-B
L2554658-03	MW-1	S NYTCL-8260	WATER	DONE	U	0912	0915	S0	Vial-B
L2554658-04	FD-1	S NYTCL-8260	WATER	DONE	U	0912	0915	S0	Vial-B
L2554658-05	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0912	0915	S0	Vial-B
L2555091-01	IRM-EFFLUENT-250903	S NYTCL-8260-R2	WATER	DONE	U	0917	0912	S0	Vial-B
L2555091-02	IRM-MIDPOINT-250903	S NYTCL-8260-R2	WATER	DONE	U	0917	0912	S0	Vial-B
L2555091-03	IRM-INFLUENT-250903	S NYTCL-8260-R2	WATER	DONE	U	0917	0912	S0	Vial-B
L2555459-02	ALB R0-TYPE I	S NYTCL-8260-R2	WATER	DONE	U	0918	0912	NC	Vial-B
L2555847-11	WCFB01_090525	S NYTCL-8260	WATER	DONE	U	0919	0912	S0	Vial-B
L2555938-01	MW-13S	S NYTCL-8260	WATER	DONE	U	0919	0912	S0	Vial-B
L2555938-02	MW-13D	S NYTCL-8260	WATER	DONE	U	0919	0912	S0	Vial-B
L2555938-03	MW-10S	S NYTCL-8260	WATER	DONE	U	0919	0912	S0	Vial-B
L2555938-04	MW-10D	S NYTCL-8260	WATER	DONE	U	0919	0912	S0	Vial-B
L2555938-05	SCDOH-DR	S NYTCL-8260	WATER	DONE	U	0919	0912	S0	Vial-B
WG2113862-1	MS BFB Tune Standard	S NYTCL-8260	WATER	DONE	U				
WG2113862-1	MS BFB Tune Standard	S NYTCL-8260-R2	WATER	DONE	U				
WG2113862-2	Continuing Calibrati	S NYTCL-8260	WATER	DONE	U				
WG2113862-2	Continuing Calibrati	S NYTCL-8260-R2	WATER	DONE	U				
WG2113862-3	Laboratory Control S	S NYTCL-8260-R2	WATER	DONE	U				
WG2113862-3	Laboratory Control S	S NYTCL-8260	WATER	DONE	U				
WG2113862-4	LCS Duplicate	S NYTCL-8260	WATER	DONE	U				
WG2113862-4	LCS Duplicate	S NYTCL-8260-R2	WATER	DONE	U				
WG2113862-5	Laboratory Method Bl	S NYTCL-8260-R2	WATER	DONE	U				
WG2113862-5	Laboratory Method Bl	S NYTCL-8260	WATER	DONE	U				
WG2113862-6	Matrix Spike	S NYTCL-8260-R2	WATER	DONE	U				
WG2113862-6	Matrix Spike	S NYTCL-8260	WATER	DONE	U				
WG2113862-7	Matrix Spike Duplica	S NYTCL-8260	WATER	DONE	U				
WG2113862-7	Matrix Spike Duplica	S NYTCL-8260-R2	WATER	DONE	U				
Comments:									
WG2113862-4	WG2113862-3								
WG2113862-6	L2554658-01								
WG2113862-7	L2554658-01								

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Sep 22 2025, 10:10 am

Work Group: WG2117843 for Department: 31 GC/MS - Volatiles

Created: 22-SEP-25 Due: Operator: mjb

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2555938-06	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0919	0922	S0	Vial-B
L2557241-01	TRIP BLANK	S NYTCL-8260	WATER	SEC	U	0922	0922	S0	Vial-B
L2557241-04	MW-13	S NYTCL-8260	WATER	SEC	U	0923	0922	S0	Vial-B
L2557241-05	MW-11	S NYTCL-8260	WATER	SENT	U	0923	0922	S0	Vial-B
L2557241-06	MW-14	S NYTCL-8260	WATER	SEC	U	0923	0922	S0	Vial-B
L2557241-07	MW-10	S NYTCL-8260	WATER	SEC	U	0923	0922	S0	Vial-B
L2558019-01	TMW-3	S NYTCL-8260-R2	WATER	SEC	U	0929	0922	S0	Vial-B
L2558019-02	MW-3	S NYTCL-8260-R2	WATER	SENT	U	0929	0922	S0	Vial-B
L2558019-03	MW-6	S NYTCL-8260-R2	WATER	SEC	U	0929	0922	S0	Vial-B
L2558019-04	BLIND DUP	S NYTCL-8260-R2	WATER	SEC	U	0929	0922	S0	Vial-B
L2558019-05	TRIP BLANK	S NYTCL-8260-R2	WATER	SENT	U	0929	0922	S0	Vial-B
L2558075-01	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0924	0922	3E	Vial-B
L2558075-02	VPBESE10-GW-0405-09152025	S NYTCL-8260	WATER	DONE	U	0929	0922	3E	Vial-B
L2558075-03	VPBESE10-GW-0405-09152025DUP	S NYTCL-8260	WATER	DONE	U	0929	0922	3E	Vial-B
L2558075-04	VPBESE10-GW-0425-09152025	S NYTCL-8260	WATER	DONE	U	0929	0922	3E	Vial-B
L2558075-05	VPBESE10-GW-0445-09152025	S NYTCL-8260	WATER	DONE	U	0929	0922	3E	Vial-B
L2558075-06	VPBESE10-GW-0465-09152025	S NYTCL-8260	WATER	DONE	U	0929	0922	3E	Vial-B
L2558092-01	TRIP BLANK	S NYTCL-8260-R2	WATER	DONE	U	0924	0922	3E	Vial-B
L2558092-02	WG-12678911-091525-RR-001	S NYTCL-8260-R2	WATER	DONE	U	0929	0922	3E	Vial-B
WG2117843-1	MS BFB Tune Standard	S NYTCL-8260	WATER	DONE	U				
WG2117843-1	MS BFB Tune Standard	S NYTCL-8260-R2	WATER	DONE	U				
WG2117843-2	Continuing Calibrati	S NYTCL-8260	WATER	DONE	U				
WG2117843-2	Continuing Calibrati	S NYTCL-8260-R2	WATER	DONE	U				
WG2117843-3	Laboratory Control S	S NYTCL-8260-R2	WATER	DACQ	U				
WG2117843-3	Laboratory Control S	S NYTCL-8260	WATER	DONE	U				
WG2117843-4	LCS Duplicate	S NYTCL-8260	WATER	DONE	U				
WG2117843-4	LCS Duplicate	S NYTCL-8260-R2	WATER	DACQ	U				
WG2117843-5	Laboratory Method B1	S NYTCL-8260	WATER	DONE	U				
WG2117843-5	Laboratory Method B1	S NYTCL-8260-R2	WATER	DACQ	U				
WG2117843-6	Matrix Spike	S NYTCL-8260	WATER	DACQ	U				
WG2117843-6	Matrix Spike	S NYTCL-8260-R2	WATER	DACQ	U				
WG2117843-7	Matrix Spike Duplica	S NYTCL-8260-R2	WATER	DACQ	U				
WG2117843-7	Matrix Spike Duplica	S NYTCL-8260	WATER	DACQ	U				
Comments:									
WG2117843-4	WG2117843-3								
WG2117843-6	L2557241-05								
WG2117843-7	L2557241-05								

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			CQR3
2=Ä>	F@:@ "1-GS	<@)ÄGS	
#	2&3H47#NT014#	0 10":UTS	
#	2&3H47#NT4#	0GV	
3	2&3H47#NT43	0GV	
M	2&3H47#NT4M	0GV	
I	2&3H47#NT4I	-6374<:F4W#NÄÄ0	
H	2&3H47#NT4H	-6374<:F4W#NÄÄ0	
7	2&3H47#NT47	-6374<:F4WHÄÄ0	
K	2&3H47#NT4K	-6374<:F4WHÄÄ0	
6	2&3H47#NT46	-6374<:F3ÄÄ0	
N	2&3H47#NT4N	-6374<:F3ÄÄ0	
#4	2&3H47#NT#4	-6374<:F#4ÄÄ0	
##	2&3H47#NT##	-6374<:FM4ÄÄ0	
#3	2&3H47#NT#3	-6374<:F64ÄÄ0	
#M	2&3H47#NT#M	-6374<:F#34ÄÄ0	
#I	2&3H47#NT#I	-6374<:F344ÄÄ0	
#H	2&3H47#NT#H	0GV	
#7	2&3H47#NT#7	0GV	
#K	2&3H47#NT#K	0GV	
#6	2&3H47#NT#6	0GV	
#N	2&3H47#NT#N	56374<:F#4ÄÄ0	
34	2&3H47#NT34	56374<:F#4ÄÄ0	
3#	2&3H47#NT3#	0GV	

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 -'>*>Ä?Ä-@5B; -A=2##3CD &5 46789:;<92)=
 @Ä*/ !\$""\$ÄÄ EF*\$,ÄGH?II/4678JÄ*II
 :F'/ # -5EK/2##3DL5M2##N86 5\$'O!'IÄ*\$I/ 4678EE



P5/ _____ =!Q/

				HRS6
2>Ä?	@E;"1-KT	=E)ÄKT		
#	2&6L8C##E01#	0 10";UVT	8D/87	
#	2&6L8C##E8#	4678"55EK	K5=	
6	2&6L8C##E86	4678"55EK	K5=@	
3	2&6L8C##E83	4678"55EK		
N	2&6L8C##E8N	0KW		
L	2&6L8C##E8L	)T;RB@"0KW		
7	2&6L8C##E87	K6LLN7L4X8#M3#M#8M#8MMÄ	VY5U:2TA-)	HRS6
D	2&6L8C##E8D	K6LLN7L4X86M3#M#8M#8MME	VY5U:2TA-)	HRS6
4	2&6L8C##E84	K6LLN7L4X83M3#M#8M#8MME	VY5U:2TA-)	HRS6
C	2&6L8C##E8C	K6LLN7L4X8NM3#M#8M#8MME	VY5U:2TA-)	HRS6
#8	2&6L8C##E8#	K6LLN7L4X8LM3#M#8M#8MME	VY5U:2TA-)	;0 HRS6
##	2&6L8C##E##	K6LLN7L4X8#)=M3#M#8M#8MME#	VY5U:2TA-)	HRS6
#6	2&6L8C##E#6	K6LLN7L4X8#)=@M3#M#8M#8MME6	VY5U:2TA-)	HRS6
#3	2&6L8C##E#3	?6LLL6CX8N@6M3#M#Z8M#8MMO	4678A25	HRS6
#N	2&6L8C##E#N	K6LLL6CX#LM3#M#8M#8MME	46785RK:ÄÄ5T0	;0MR= HRS6
#L	2&6L8C##E#L	K6LLN668X64M3#M#8M#8MME	46785RK:ÄÄ5T0	;0 HR[6
#7	2&6L8C##E#7	K6LLL6CX86M3#M#8M#8MME	VYA:6	HRS6
#D	2&6L8C##E#D	K6LLL4NDX##M3#M#8M#8MME	VY5U:2T	10 HRS6
#4	2&6L8C##E#4	K6LLLC34X8#M3#M#8M#8MME	VYA:6	HRS6
#C	2&6L8C##E#C	K6LLLC34X86M3#M#8M#8MME	VYA:6	HRS6
68	2&6L8C##E68	K6LLLC34X83M3#M#8M#8MME	VYA:6	HRS6
6#	2&6L8C##E6#	K6LLLC34X8NM3#M#8M#8MME	VYA:6	HRS6
66	2&6L8C##E66	K6LLLC34X8LM3#M#8M#8MME	VYA:6	HRS6
63	2&6L8C##E63	K6LLL8C#X8#M3#M#8M#8MME	VYA:6A#8	HRS6
6N	2&6L8C##E6N	K6LLL8C#X86M3#M#8M#8MME	VYA:6A#8	HRS6
6L	2&6L8C##E6L	K6LLL8C#X83M3#M#8M#8MME	VYA:6A#8	HRS6
67	2&6L8C##E67	K6LLL8C#X8NM3#M#8M#8MME	VYA:6A#8	;0 HRS6
6D	2&6L8C##E6D	?6LLL873X8#@M3#M8ZLM#8MMÄ	VIA#LAPE	HRS6
64	2&6L8C##E64	R0)		
6C	2&6L8C##E6C	0KW		
38	2&6L8C##E38	0KW		

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2>Ä?	@;D"1-JS	=D)ÄJS		
#	2&6L8B6#D01#	0 10";TUS	84/K3	
#	2&6L8B6#D8#	4678"55DJ	J5 =	
6	2&6L8B6#D86	4678"55DJ	J5 =@	
3	2&6L8B6#D83	4678"55DJ		
K	2&6L8B6#D8K	0JV		
L	2&6L8B6#D8L	)S;QW@"0JV		
7	2&6L8B6#D87	J6LL7LC6X83:M3#M#8M#8MM0	4678UQ	:0M5WU1 QGR6
C	2&6L8B6#D8C	J6LL48CLX8#M3#M#8M#8MMDM:3S	UY;5 JZ1: SWU##3	:0 QGR6
4	2&6L8B6#D84	J6LL48CLX86M3#M#8M#8MMDM:3S	UY;5JZ1:S WU##3	QGR6
B	2&6L8B6#D8B	J6LL48CLX83M3#M#8M#8MMDM:3S	UY;5JZ1:S WU##3	QGR6
#8	2&6L8B6#D#8	J6LL48CLX8KM3#M#8M#8MMDM:3S	UY;5 JZ1: SWU##3	=S@ QGR6
##	2&6L8B6#D##	J6LL48CLX8LM3#M#8M#8MMDM:3S	UY;5JZ1:S WU##3	QGR6
#6	2&6L8B6#D#6	?6LL48CLX87@M3#MKJ8M#8MMÄMH3!	UY;5 JZ1: SWU##3	=S@MJ2M5JWT@YQGR6
#3	2&6L8B6#D#3	J6LL48B6X8#M3#M#8M#8MMDM:3S	UYA:6	:0 QGR6
#K	2&6L8B6#D#K	J6LL48B6X86M3#M#8M#8MMDM:3S	UYA:6	QGR6
#L	2&6L8B6#D#L	J6LL48#BX8#M3#M#8M#8MMD	UYA:6A#8	QGR6
#7	2&6L8B6#D#7	J6LL48#BX86M3#M#8M#8MMD	UYA:6A#8	QGR6
#C	2&6L8B6#D#C	J6LL48#BX83M3#M#8M#8MMD	UYA:6A#8	QGR6
#4	2&6L8B6#D#4	J6LL48#BX8KM3#M#8M#8MMD	UYA:6A#8	QGR6
#B	2&6L8B6#D#B	J6LL48#BX8LM3#M#8M#8MMD	UYA:6A#8	:0 QGR6
68	2&6L8B6#D68	J6LLC6K#X8#M3#M#8M#8MMD	UY; 5 J	:0 QGR6
6#	2&6L8B6#D6#	J6LLC6K#X8KM3#M#8M#8MMD	UY; 5 J	QGR6
66	2&6L8B6#D66	J6LLC6K#X8LM3#M#8M#8MMD	UY; 5 J	QGR6
63	2&6L8B6#D63	J6LLC6K#X87M3#M#8M#8MMD	UY; 5 J	QGR6
6K	2&6L8B6#D6K	J6LLC6K#X8CM3#M#8M#8MMD	UY; 5 J	QGR6
6L	2&6L8B6#D6L	J6LLLB34X87M3#M#8M#8MMD	UY5T:2S	:0 QGR6
67	2&6L8B6#D67	J6LLC6K#X8L)=M3#M#8M#8MMD#	UY; 5 J	QGR6
6C	2&6L8B6#D6C	J6LLC6K#X8L)=@M3#M#8M#8MMD6	UY; 5 J	QGR6
64	2&6L8B6#D64	Q0)		
6B	2&6L8B6#D6B	0JV		

Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Surrogate Recovery Summary

Form 2

Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2555938
Project Number: 2232.0006Y005
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-13S (L2555938-01)	42	31	63	61	65	72	0
MW-13D (L2555938-02)	43	32	66	66	68	79	0
MW-10S (L2555938-03)	45	30	70	70	69	81	0
MW-10D (L2555938-04)	45	32	69	65	68	77	0
SCDOH-DR (L2555938-05)	48	33	76	72	68	82	0
WG2111707-1BLANK	42	28	61	61	59	76	0
WG2111707-2LCS	46	36	67	66	69	76	0
WG2111707-3LCSD	50	38	71	71	69	75	0
WG2113697-1BLANK	39	28	50	54	55	56	0
WG2113697-2LCS	56	43	70	76	85	77	0
WG2113697-3LCSD	49	37	63	70	72	67	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-RVT



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
 Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2111707-2 Analysis Date : 09/08/25 07:47 File ID : 111707-2
 LCSD Sample ID : WG2111707-3 Analysis Date : 09/08/25 08:11 File ID : 111707-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
3,3'-Dichlorobenzidine	20	14.	70	20	14.	73	4	40-140	30
2,4-Dinitrotoluene	20	14.	71	20	15.	73	3	48-143	30
2,6-Dinitrotoluene	20	13.	66	20	14.	69	4	40-140	30
4-Chlorophenyl phenyl ether	20	13.	67	20	14.	69	3	40-140	30
4-Bromophenyl phenyl ether	20	13.	66	20	13.	66	0	40-140	30
Bis(2-chloroisopropyl)ether	20	12.	63	20	14.	68	8	40-140	30
Bis(2-chloroethoxy)methane	20	13.	66	20	14.	72	9	40-140	30
Hexachlorocyclopentadiene	20	8.6	43	20	9.0	45	5	40-140	30
Isophorone	20	13.	64	20	14.	69	8	40-140	30
Nitrobenzene	20	12.	63	20	14.	69	9	40-140	30
NDPA/DPA	20	14.	71	20	14.	72	1	40-140	30
n-Nitrosodi-n-propylamine	20	14.	69	20	15.	73	6	29-132	30
Bis(2-ethylhexyl)phthalate	20	18.	88	20	17.	83	6	40-140	30
Butyl benzyl phthalate	20	17.	84	20	16.	81	4	40-140	30
Di-n-butylphthalate	20	42.	209 Q	20	34.	171 Q	20	40-140	30
Di-n-octylphthalate	20	17.	84	20	15.	77	9	40-140	30
Diethyl phthalate	20	14.	71	20	14.	71	0	40-140	30
Dimethyl phthalate	20	14.	70	20	14.	71	1	40-140	30
Biphenyl	20	12.	62	20	13.	65	5	40-140	30
4-Chloroaniline	20	14.	70	20	16.	78	11	40-140	30
2-Nitroaniline	20	14.	72	20	15.	76	5	52-143	30
3-Nitroaniline	20	14.	71	20	15.	74	4	25-145	30
4-Nitroaniline	20	14.	68	20	14.	73	7	51-143	30
Dibenzofuran	20	13.	67	20	14.	71	6	40-140	30
1,2,4,5-Tetrachlorobenzene	20	11.	56	20	12.	58	4	2-134	30
Acetophenone	20	13.	64	20	14.	68	6	39-129	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
 Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2111707-2 Analysis Date : 09/08/25 07:47 File ID : 111707-2
 LCSD Sample ID : WG2111707-3 Analysis Date : 09/08/25 08:11 File ID : 111707-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
2,4,6-Trichlorophenol	20	14.	68	20	14.	72	6	30-130	30
p-Chloro-m-cresol	20	14.	73	20	15.	74	1	23-97	30
2-Chlorophenol	20	12.	62	20	13.	66	6	27-123	30
2,4-Dichlorophenol	20	13.	67	20	14.	72	7	30-130	30
2,4-Dimethylphenol	20	12.	61	20	13.	67	9	30-130	30
2-Nitrophenol	20	13.	65	20	14.	70	7	30-130	30
4-Nitrophenol	20	10.	50	20	10.	51	2	10-80	30
2,4-Dinitrophenol	20	12.	61	20	13.	63	3	20-130	30
4,6-Dinitro-o-cresol	20	14.	69	20	13.	65	6	20-164	30
Phenol	20	7.2	36	20	7.4	37	3	12-110	30
2-Methylphenol	20	12.	62	20	12.	62	0	30-130	30
3-Methylphenol/4-Methylphenol	20	12.	58	20	13.	64	10	30-130	30
2,4,5-Trichlorophenol	20	15.	74	20	15.	74	0	30-130	30
Carbazole	20	16.	79	20	16.	78	1	55-144	30
Atrazine	20	16.	78	20	15.	77	1	40-140	30
Benzaldehyde	20	20.	102	20	23.	115	12	40-140	30
Caprolactam	20	6.5	32	20	6.5	32	0	10-130	30



Laboratory Control Sample Summary
Form 3
Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG2113697-2 Analysis Date : 09/12/25 03:40 File ID : 113697-2
LCSD Sample ID : WG2113697-3 Analysis Date : 09/12/25 04:02 File ID : 113697-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			

Method Blank Summary
Form 4
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab Sample ID	: WG2111707-1	Lab File ID	: 111707-1
Instrument ID	: SV106	Extraction Date	: 09/07/25
Matrix	: WATER	Analysis Date	: 09/08/25 07:26
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2111707-2LCS	WG2111707-2	09/08/25 07:47
WG2111707-3LCSD	WG2111707-3	09/08/25 08:11
MW-13S	L2555938-01	09/08/25 12:59
MW-13D	L2555938-02	09/08/25 13:20
MW-10S	L2555938-03	09/08/25 13:41
MW-10D	L2555938-04	09/08/25 14:03
SCDOH-DR	L2555938-05	09/08/25 14:24

Method Blank Summary Form 4

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab Sample ID : WG2113697-1
Instrument ID : SV112
Matrix :
Level : LOW

Lab Number : L2555938
Project Number : 2232.0006Y005
Lab File ID : 113697-1
Extraction Date : 09/11/25
Analysis Date : 09/12/25 03:17

Client Sample No.	Lab Sample ID	Analysis Date
WG2113697-2LCS	WG2113697-2	09/12/25 03:40
WG2113697-3LCSD	WG2113697-3	09/12/25 04:02

Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555938
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV112	Analysis Date : 08/17/25 18:04
Tune Standard : R2000495-31	Tune File ID : Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39.5
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	45.2
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.5
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	79.1
443	15.0 - 24.0% of mass 442	15.2 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R2000495-8	ABNL9	08/17/25 18:26
ABNL8	R2000495-9	ABNL8	08/17/25 18:49
ABNL7	R2000495-7	ABNL7	08/17/25 19:12
ABNL6	R2000495-6	ABNL6	08/17/25 19:34
ABNL4	R2000495-4	ABNL4	08/17/25 20:20
ABNL3	R2000495-3	ABNL3	08/17/25 20:42
ABNL2	R2000495-2	ABNL2	08/17/25 21:05
ABNL1	R2000495-1	ABNL1	08/17/25 21:27
AP9L9	R2000495-27	AP9L9	08/17/25 21:50
AP9L8	R2000495-26	AP9L8	08/17/25 22:13
AP9L7	R2000495-25	AP9L7	08/17/25 22:35
AP9L6	R2000495-24	AP9L6	08/17/25 22:58
AP9L5	R2000495-22	AP9L5	08/17/25 23:20
AP9L4	R2000495-23	AP9L4	08/17/25 23:43
AP9L3	R2000495-20	AP9L3	08/18/25 00:05
AP9L2	R2000495-21	AP9L2	08/18/25 00:28
AP9L1	R2000495-19	AP9L1	08/18/25 00:50
AP9 ICV Quant Rep	R2000495-30	AP9ICV	08/18/25 01:35



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555938
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV112	Analysis Date : 08/18/25 01:57
Tune Standard : R2000495-32	Tune File ID : Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	38.3
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	45.1
197	Less than 2.0% of mass 198	0.6
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.7
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	82.5
443	15.0 - 24.0% of mass 442	16.3 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R2000495-18	ADPL9	08/18/25 02:20
ADPL8	R2000495-17	ADPL8	08/18/25 02:42
ADPL7	R2000495-16	ADPL7	08/18/25 03:05
ADPL6	R2000495-15	ADPL6	08/18/25 03:27
ADPL5	R2000495-14	ADPL5	08/18/25 03:50
ADPL4	R2000495-13	ADPL4	08/18/25 04:12
ADPL3	R2000495-12	ADPL3	08/18/25 04:35
ADPL2	R2000495-11	ADPL2	08/18/25 04:57
ADPL1	R2000495-10	ADPL1	08/18/25 05:20
ADP ICV Quant Report	R2000495-29	ADPICV	08/18/25 05:42
ABNL5a	R2000495-5	ABNL5A	08/18/25 06:05
ABN ICV Quant Report	R2000495-28	ABNICVA	08/18/25 06:27



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555938
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV112	Analysis Date : 09/12/25 00:39
Tune Standard : WG2113687-1	Tune File ID : DEG0911n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.5
68	Less than 2.0% of mass 69	0.5 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	43.8
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	26.7
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	75.8
443	15.0 - 24.0% of mass 442	15.1 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2113687-6TFACTOR-P	WG2113687-6	DEG0911N	09/12/25 00:39
WG2113687-7TFACTOR-B	WG2113687-7	DEG0911N	09/12/25 00:39
WG2113687-3CCAL	WG2113687-3	ABN0911N	09/12/25 01:02
WG2113687-4CCAL	WG2113687-4	AP90911N	09/12/25 01:24
WG2113687-5CCAL	WG2113687-5	ADP0911N	09/12/25 01:47
WG2113697-1BLANK	WG2113697-1	113697-1	09/12/25 03:17
WG2113697-2LCS	WG2113697-2	113697-2	09/12/25 03:40
WG2113697-3LCSD	WG2113697-3	113697-3	09/12/25 04:02
MW-13S	L2555938-01RE	55938-01	09/12/25 05:55
MW-13D	L2555938-02RE	55938-02	09/12/25 06:17
MW-10S	L2555938-03RE	55938-03	09/12/25 06:40
MW-10D	L2555938-04RE	55938-04	09/12/25 07:02
SCDOH-DR	L2555938-05RE	55938-05	09/12/25 07:25



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555938
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV106	Analysis Date : 08/27/25 19:04
Tune Standard : R2004584-28	Tune File ID : Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.8
68	Less than 2.0% of mass 69	0.4 (1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	50.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	23.7
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	71.6
443	15.0 - 24.0% of mass 442	13.8 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R2004584-9	ABNL9	08/27/25 20:12
ABNL8	R2004584-8	ABNL8	08/27/25 20:33
ABNL7	R2004584-7	ABNL7	08/27/25 21:03
ABNL6	R2004584-6	ABNL6	08/27/25 21:24
ABNL5	R2004584-5	ABNL5	08/27/25 21:46
ABNL4	R2004584-4	ABNL4	08/27/25 22:07
ABNL3	R2004584-3	ABNL3	08/27/25 22:28
ABNL2	R2004584-2	ABNL2	08/27/25 22:50
ABNL1	R2004584-1	ABNL1	08/27/25 23:11
ABN ICV Quant Report	R2004584-30	ABNICV	08/27/25 23:33



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555938
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV106	Analysis Date : 08/27/25 23:54
Tune Standard : R2004584-29	Tune File ID : Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39
68	Less than 2.0% of mass 69	0.7 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	51.4
197	Less than 2.0% of mass 198	0.3
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	22.7
365	Greater than 1.0% of mass 198	2.5
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	62.2
443	15.0 - 24.0% of mass 442	12.4 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
AP9L9	R2004584-27	AP9L9	08/28/25 00:16
AP9L8	R2004584-26	AP9L8	08/28/25 00:37
AP9L7	R2004584-25	AP9L7	08/28/25 00:58
AP9L6	R2004584-23	AP9L6	08/28/25 01:20
AP9L5	R2004584-24	AP9L5	08/28/25 01:41
AP9L4	R2004584-22	AP9L4	08/28/25 02:03
AP9L3	R2004584-21	AP9L3	08/28/25 02:24
AP9L2	R2004584-20	AP9L2	08/28/25 02:45
AP9L1	R2004584-19	AP9L1	08/28/25 03:07
ADPL9	R2004584-18	ADPL9	08/28/25 03:28
ADPL8	R2004584-17	ADPL8	08/28/25 03:50
ADPL7	R2004584-16	ADPL7	08/28/25 04:11
ADPL6	R2004584-15	ADPL6	08/28/25 04:32
ADPL5	R2004584-14	ADPL5	08/28/25 04:54
ADPL4	R2004584-13	ADPL4	08/28/25 05:15
ADPL3	R2004584-12	ADPL3	08/28/25 05:36
ADPL2	R2004584-11	ADPL2	08/28/25 05:58
ADPL1	R2004584-10	ADPL1	08/28/25 06:19
AP9 ICV Quant Rep	R2004584-32	AP9ICV	08/28/25 06:40
ADP ICV Quant Report	R2004584-31	ADPICV	08/28/25 07:02



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555938
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV106	Analysis Date : 09/08/25 06:00
Tune Standard : WG2111831-1	Tune File ID : DEG0908_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39
68	Less than 2.0% of mass 69	0.7 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	52.2
197	Less than 2.0% of mass 198	0.3
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	22.4
365	Greater than 1.0% of mass 198	2.4
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	61.3
443	15.0 - 24.0% of mass 442	11.7 (19.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2111831-6TFACTOR-B	WG2111831-6	DEG0908	09/08/25 06:00
WG2111831-7TFACTOR-P	WG2111831-7	DEG0908	09/08/25 06:00
WG2111831-3CCAL	WG2111831-3	ABN0908	09/08/25 06:21
WG2111831-4CCAL	WG2111831-4	AP90908	09/08/25 06:43
WG2111831-5CCAL	WG2111831-5	ADP0908	09/08/25 07:04
WG2111707-1BLANK	WG2111707-1	111707-1	09/08/25 07:26
WG2111707-2LCS	WG2111707-2	111707-2	09/08/25 07:47
WG2111707-3LCSD	WG2111707-3	111707-3	09/08/25 08:11
MW-13S	L2555938-01	55938-01	09/08/25 12:59
MW-13D	L2555938-02	55938-02	09/08/25 13:20
MW-10S	L2555938-03	55938-03	09/08/25 13:41
MW-10D	L2555938-04	55938-04	09/08/25 14:03
SCDOH-DR	L2555938-05	55938-05	09/08/25 14:24



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Sample No : WG2111831-3

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Analysis Date : 09/08/25 06:21:00
 Lab File ID : ABN0908

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2111831-3	37897	4.26	150804	5.53	88579	7.26
Upper Limit	75794	4.76	301608	6.03	177158	7.76
Lower Limit	18949	3.76	75402	5.03	44290	6.76
Sample ID						
WG2111831-4 CCAL	39953	4.26	158242	5.53	90220	7.26
WG2111831-5 CCAL	41528	4.26	-	-	91049	7.26
WG2111707-1 BLANK	36336	4.25	143072	5.53	81912	7.26
WG2111707-2 LCS	39673	4.26	153473	5.52	89308	7.26
WG2111707-3 LCSD	38135	4.25	147735	5.52	85706	7.26
MW-13S	38320	4.25	151327	5.52	85245	7.25
MW-13D	39263	4.25	154122	5.52	89227	7.25
MW-10S	37588	4.25	146295	5.52	85304	7.25
MW-10D	37917	4.25	153196	5.52	86929	7.26
SCDOH-DR	36988	4.26	147166	5.52	84763	7.25

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Sample No : WG2111831-3

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Analysis Date : 09/08/25 06:21:00
 Lab File ID : ABN0908

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2111831-3	167258	8.70	168352	11.34	185516	12.80
Upper Limit	334516	9.20	336704	11.84	371032	13.30
Lower Limit	83629	8.20	84176	10.84	92758	12.30
Sample ID						
WG2111831-4 CCAL	178852	8.70	-	-	-	-
WG2111831-5 CCAL	180524	8.70	-	-	-	-
WG2111707-1 BLANK	151850	8.70	152756	11.34	171990	12.79
WG2111707-2 LCS	169396	8.70	167802	11.34	191363	12.79
WG2111707-3 LCSD	161202	8.70	161523	11.34	182749	12.80
MW-13S	161358	8.70	157145	11.34	179410	12.79
MW-13D	168352	8.70	166019	11.34	190566	12.80
MW-10S	162532	8.70	161589	11.34	181831	12.80
MW-10D	162490	8.70	159507	11.34	181827	12.80
SCDOH-DR	160378	8.70	157712	11.34	178613	12.79

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Sample No : WG2113687-3

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Analysis Date : 09/12/25 01:02:00
 Lab File ID : ABN0911N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2113687-3	16261	4.68	64475	5.90	44834	7.60
Upper Limit	32522	5.18	128950	6.40	89668	8.10
Lower Limit	8131	4.18	32238	5.40	22417	7.10
Sample ID						
WG2113687-4 CCAL	18558	4.68	69905	5.91	47596	7.60
WG2113687-5 CCAL	16242	4.68	-	-	38626	7.60
WG2113697-1 BLANK	20737	4.68	79056	5.91	51012	7.61
WG2113697-2 LCS	19871	4.68	74168	5.90	48284	7.60
WG2113697-3 LCSD	21088	4.68	81154	5.90	53709	7.60
MW-13S	19588	4.68	75292	5.91	47484	7.60
MW-13D	20689	4.68	78927	5.91	51081	7.60
MW-10S	20645	4.68	76410	5.91	49799	7.61
MW-10D	20636	4.68	79528	5.91	51467	7.60
SCDOH-DR	20075	4.68	77312	5.90	49420	7.60

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Sample No : WG2113687-3

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Analysis Date : 09/12/25 01:02:00
 Lab File ID : ABN0911N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2113687-3	98025	9.03	110763	11.65	123361	13.10
Upper Limit	196050	9.53	221526	12.15	246722	13.60
Lower Limit	49013	8.53	55382	11.15	61681	12.60
Sample ID						
WG2113687-4 CCAL	109992	9.03	-	-	-	-
WG2113687-5 CCAL	90459	9.03	-	-	-	-
WG2113697-1 BLANK	119987	9.03	135279	11.65	160600	13.10
WG2113697-2 LCS	111305	9.03	123406	11.65	139363	13.10
WG2113697-3 LCSD	121846	9.03	137468	11.65	154245	13.10
MW-13S	110892	9.03	122614	11.65	136670	13.10
MW-13D	119080	9.03	135525	11.65	148943	13.10
MW-10S	117024	9.03	130132	11.65	143930	13.10
MW-10D	119640	9.03	131010	11.65	145482	13.10
SCDOH-DR	117761	9.03	132401	11.65	143030	13.10

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container / Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	
Acenaphthene	83-32-9	2	0.403	ug/l	37-111	30	37-111	30	30		
Benzidine	92-87-5	20	6.01	ug/l	10-75	30	10-75	30	30		
1,2,4-Trichlorobenzene	120-82-1	5	0.977	ug/l	39-98	30	39-98	30	30		
Hexachlorobenzene	118-74-1	2	0.452	ug/l	40-140	30	40-140	30	30		
Bis(2-chloroethyl)ether	111-44-4	2	0.392	ug/l	40-140	30	40-140	30	30		
2-Chloronaphthalene	91-58-7	2	0.35	ug/l	40-140	30	40-140	30	30		
1,2-Dichlorobenzene	95-50-1	2	0.329	ug/l	40-140	30	40-140	30	30		
1,3-Dichlorobenzene	541-73-1	2	0.315	ug/l	40-140	30	40-140	30	30		
1,4-Dichlorobenzene	106-46-7	2	0.391	ug/l	36-97	30	36-97	30	30		
3,3'-Dichlorobenzidine	91-94-1	5	1.85	ug/l	40-140	30	40-140	30	30		
2,4-Dinitrotoluene	121-14-2	5	0.541	ug/l	48-143	30	48-143	30	30		
2,6-Dinitrotoluene	606-20-2	5	0.845	ug/l	40-140	30	40-140	30	30		
Azobenzene	122-66-7	2	0.418	ug/l	40-140	30	40-140	30	30		
Fluoranthene	206-44-0	2	0.411	ug/l	40-140	30	40-140	30	30		
4-Chlorophenyl phenyl ether	7005-72-3	2	0.386	ug/l	40-140	30	40-140	30	30		
4-Bromophenyl phenyl ether	101-55-3	2	0.244	ug/l	40-140	30	40-140	30	30		
Bis(2-chloroisopropyl)ether	108-60-1	2	0.403	ug/l	40-140	30	40-140	30	30		
Bis(2-chloroethoxy)methane	111-91-1	5	0.842	ug/l	40-140	30	40-140	30	30		
Hexachlorobutadiene	87-68-3	2	0.355	ug/l	40-140	30	40-140	30	30		
Hexachlorocyclopentadiene	77-47-4	20	1.23	ug/l	40-140	30	40-140	30	30		
Hexachloroethane	67-72-1	2	0.203	ug/l	40-140	30	40-140	30	30		
Isophorone	78-59-1	5	0.862	ug/l	40-140	30	40-140	30	30		
Naphthalene	91-20-3	2	0.542	ug/l	40-140	30	40-140	30	30		
Nitrobenzene	98-95-3	2	0.205	ug/l	40-140	30	40-140	30	30		
Nitrosodiphenylamine (NDPA) / DPA	86-30-6	2	0.924	ug/l	40-140	30	40-140	30	30		
n-Nitrosodi-n-propylamine	621-64-7	5	0.906	ug/l	29-132	30	29-132	30	30		
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.42	ug/l	40-140	30	40-140	30	30		
Butyl benzyl phthalate	85-68-7	5	2.61	ug/l	40-140	30	40-140	30	30		
D-n-butylphthalate	84-74-2	5	0.957	ug/l	40-140	30	40-140	30	30		
Di-n-octylphthalate	117-84-0	5	2.26	ug/l	40-140	30	40-140	30	30		
Diethyl phthalate	84-66-2	5	0.765	ug/l	40-140	30	40-140	30	30		
Dimethyl phthalate	131-11-3	5	0.916	ug/l	40-140	30	40-140	30	30		
Benzo(a)anthracene	56-55-3	2	0.323	ug/l	40-140	30	40-140	30	30		
Benzo(a)pyrene	50-32-8	2	0.368	ug/l	40-140	30	40-140	30	30		
Benzo(b)fluoranthene	205-99-2	2	0.533	ug/l	40-140	30	40-140	30	30		
Benzo(k)fluoranthene	207-08-9	2	0.621	ug/l	40-140	30	40-140	30	30		
Chrysene	218-01-9	2	0.222	ug/l	40-140	30	40-140	30	30		
Acenaphthylene	208-96-8	2	0.315	ug/l	45-123	30	45-123	30	30		
Anthracene	120-12-7	2	0.467	ug/l	40-140	30	40-140	30	30		
Benzo(ghi)perylene	191-24-2	2	0.369	ug/l	40-140	30	40-140	30	30		
Fluorene	86-73-7	2	0.439	ug/l	40-140	30	40-140	30	30		
Phenanthrene	85-01-8	2	0.419	ug/l	40-140	30	40-140	30	30		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Solids only)
Please Note that the information provided in this table is subject to change at any time at the discretion of Pace Analytical Services.



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ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container / Sample Preservation: 2 - Amber 100ml unpreserved

[illegible]

Please Note that the RL information provided in this table is calculated using a 100 % Solids factor. *(Soil/Solids only)*
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pecc Analytical Services.



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Semivolatile Sample Data

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-01
 Client ID : MW-13S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55938-01
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 09:00
 Date Received : 09/05/25
 Date Analyzed : 09/08/25 12:59
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	21.	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555938-01 Client ID : MW-13S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 55938-01 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555938 Project Number : 2232.0006Y005 Date Collected : 09/05/25 09:00 Date Received : 09/05/25 Date Analyzed : 09/08/25 12:59 Date Extracted : 09/07/25 Dilution Factor : 1 Analyst : JG Instrument ID : SV106 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
--	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555938-02 Client ID : MW-13D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 55938-02 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555938 Project Number : 2232.0006Y005 Date Collected : 09/05/25 08:55 Date Received : 09/05/25 Date Analyzed : 09/08/25 13:20 Date Extracted : 09/07/25 Dilution Factor : 1 Analyst : JG Instrument ID : SV106 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
--	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	25.	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-02
 Client ID : MW-13D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55938-02
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 08:55
 Date Received : 09/05/25
 Date Analyzed : 09/08/25 13:20
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-03
 Client ID : MW-10S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55938-03
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 10:10
 Date Received : 09/05/25
 Date Analyzed : 09/08/25 13:41
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	20.	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-03
 Client ID : MW-10S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55938-03
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 10:10
 Date Received : 09/05/25
 Date Analyzed : 09/08/25 13:41
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-04
 Client ID : MW-10D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55938-04
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 10:15
 Date Received : 09/05/25
 Date Analyzed : 09/08/25 14:03
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	17.	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555938-04 Client ID : MW-10D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 55938-04 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555938 Project Number : 2232.0006Y005 Date Collected : 09/05/25 10:15 Date Received : 09/05/25 Date Analyzed : 09/08/25 14:03 Date Extracted : 09/07/25 Dilution Factor : 1 Analyst : JG Instrument ID : SV106 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
--	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-05
 Client ID : SCDOH-DR
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55938-05
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 11:30
 Date Received : 09/05/25
 Date Analyzed : 09/08/25 14:24
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	17.	5.0	0.96	B
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-05
 Client ID : SCDOH-DR
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 55938-05
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 11:30
 Date Received : 09/05/25
 Date Analyzed : 09/08/25 14:24
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111707-1
 Client ID : WG2111707-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 111707-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/08/25 07:26
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	22.	5.0	0.96	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111707-1
 Client ID : WG2111707-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 111707-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/08/25 07:26
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : JG
 Instrument ID : SV106
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-01.D
 Acq On : 8 Sep 2025 12:59 pm
 Operator : SV106:jg
 Sample : L2555938-01,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 17:42:56 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.252	152	38320	4.000	ug/ml	0.00
Standard Area 1 = 37897			Recovery =	101.12%		
27) IS2_1,4-Dichlorobenzen...	4.252	152	38320	4.000	ug/ml	0.00
Standard Area 3 = 39953			Recovery =	95.91%		
35) IS1_Naphthalene-d8	5.523	136	151327	4.000	ug/ml	# 0.00
Standard Area 1 = 150804			Recovery =	100.35%		
55) IS2_Naphthalene-d8	5.523	136	151327	4.000	ug/ml	# 0.00
Standard Area 3 = 158242			Recovery =	95.63%		
63) IS1_Acenaphthene-d10	7.254	164	85245	4.000	ug/ml	0.00
Standard Area 1 = 88579			Recovery =	96.24%		
83) IS2_Acenaphthene-d10	7.254	164	85245	4.000	ug/ml	0.00
Standard Area 3 = 90220			Recovery =	94.49%		
86) IS3_Acenaphthene-d10	7.254	164	85245	4.000	ug/ml	0.00
Standard Area 2 = 91049			Recovery =	93.63%		
88) IS1_Phenanthrene-d10	8.702	188	161358	4.000	ug/ml	# 0.00
Standard Area 1 = 167258			Recovery =	96.47%		
100) IS3_Phenanthrene-d10	8.702	188	161358	4.000	ug/ml	# 0.00
Standard Area 2 = 180524			Recovery =	89.38%		
104) IS1_Chrysene-d12	11.335	240	157145	4.000	ug/ml	# 0.00
Standard Area 1 = 168352			Recovery =	93.34%		
113) IS1_Perylene-d12	12.793	264	179410	4.000	ug/ml	-0.01
Standard Area 1 = 185516			Recovery =	96.71%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.918	112	8803	0.831	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	41.55%		
7) Phenol-d6	3.950	99	7715	0.611	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	30.55%		
19) Nitrobenzene-d5	4.817	82	7447	0.634	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	63.40%		
46) 2-Fluorobiphenyl	6.623	172	18832	0.607	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	60.70%		
79) 2,4,6-Tribromophenol	8.031	330	5383	1.302	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	65.10%		
96) 4-Terphenyl-d14	10.309	244	28529	0.720	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	72.00%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-01.D
 Acq On : 8 Sep 2025 12:59 pm
 Operator : SV106:jg
 Sample : L2555938-01,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 17:42:56 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-01.D
 Acq On : 8 Sep 2025 12:59 pm
 Operator : SV106:jg
 Sample : L2555938-01,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 17:42:56 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87)	Atrazine	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	9.364	149	105444	2.065	ug/ml	99
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D. d	
109)	Di-n-octylphthalate	0.000		0		N.D. d	

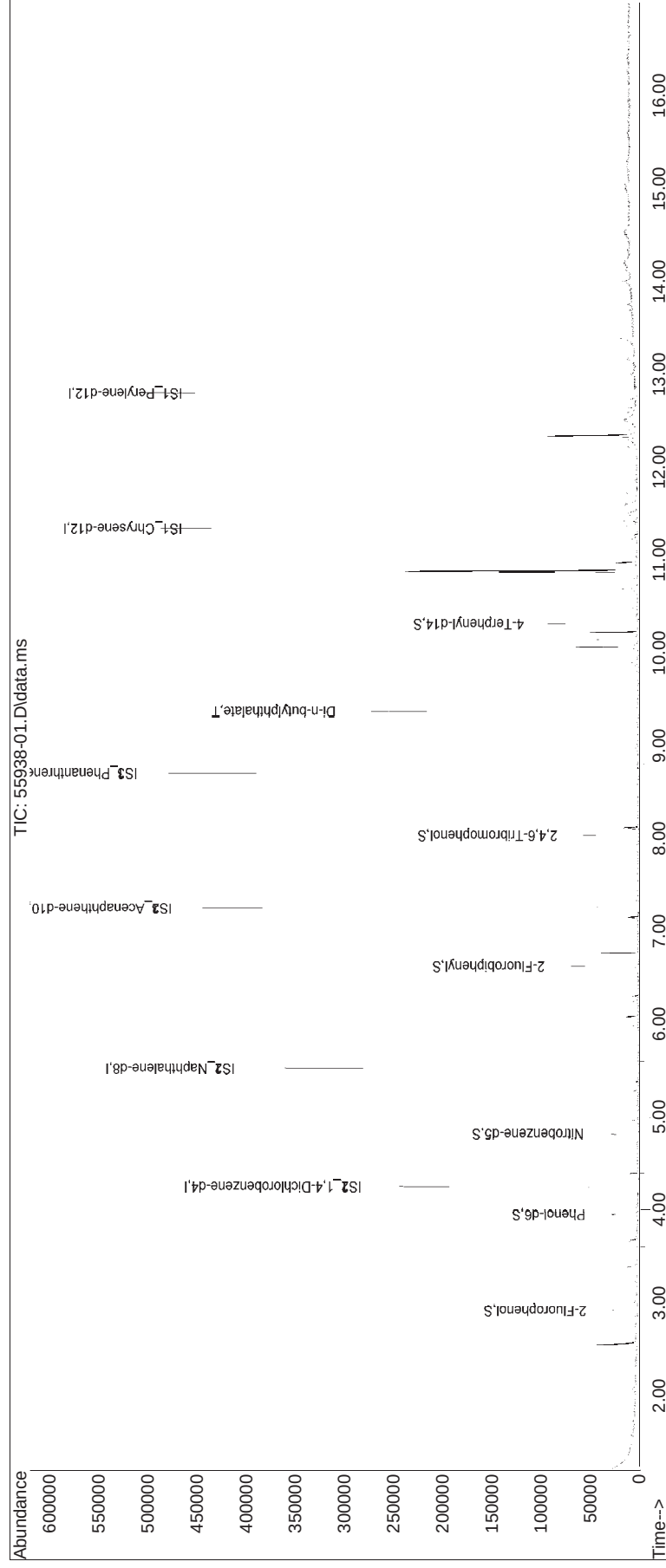
(#) = qualifier out of range (m) = manual integration (+) = signals summed

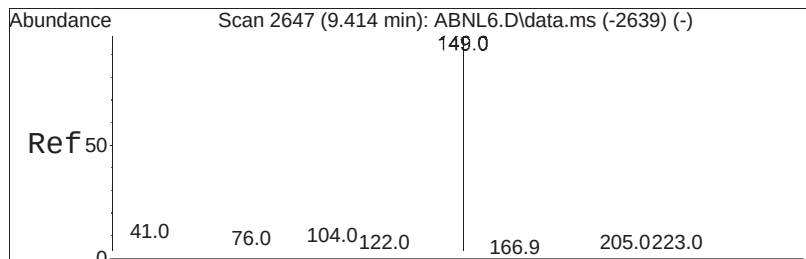
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-01.D
 Acq On : 8 Sep 2025 12:59 pm
 Operator : SV106:jg
 Sample : L2555938-01,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 17:42:56 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

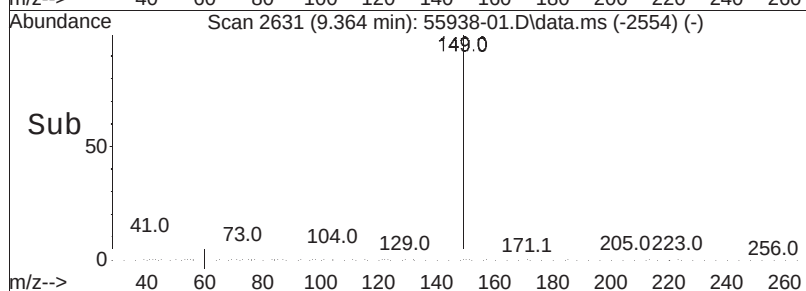
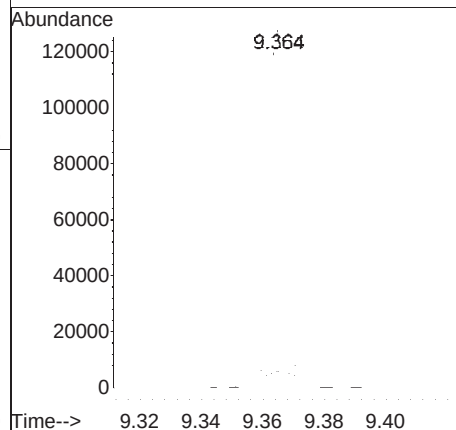
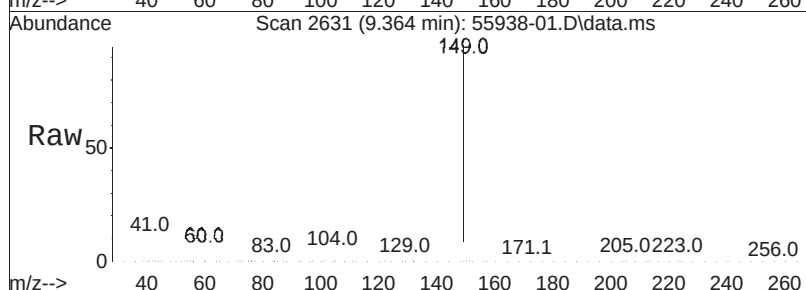
Sub List : 8270IC\827008\SV106\250908RVT\WP90908.D•





#92
 Di-n-butylphthalate
 Concen: 2.06 ug/ml
 RT: 9.364 min Scan# 2631
 Delta R.T. -0.009 min
 Lab File: 55938-01.D
 Acq: 8 Sep 2025 12:59 pm

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	105444		
150	9.0	7.0	10.6	
104	4.6	4.5	6.7	



Manual Integration Report

Data Path	: I:\8270\SV106\250908RVT\	QMethod	: FS250827SV106.m
Data File	: 55938-01.D	Operator	: SV106:jg
Date Inj'd	: 9/8/2025 12:59 pm	Instrument	: SV 106
Sample	: L2555938-01,32,,cmm	Quant Date	: 9/8/2025 1:16 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-02.D
 Acq On : 8 Sep 2025 1:20 pm
 Operator : SV106:jg
 Sample : L2555938-02,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 17:43:12 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.251	152	39263	4.000	ug/ml	0.00
Standard Area 1 = 37897			Recovery =	103.60%		
27) IS2_1,4-Dichlorobenzen...	4.251	152	39263	4.000	ug/ml	0.00
Standard Area 3 = 39953			Recovery =	98.27%		
35) IS1_Naphthalene-d8	5.523	136	154122	4.000	ug/ml	# 0.00
Standard Area 1 = 150804			Recovery =	102.20%		
55) IS2_Naphthalene-d8	5.523	136	154122	4.000	ug/ml	# 0.00
Standard Area 3 = 158242			Recovery =	97.40%		
63) IS1_Acenaphthene-d10	7.254	164	89227	4.000	ug/ml	0.00
Standard Area 1 = 88579			Recovery =	100.73%		
83) IS2_Acenaphthene-d10	7.254	164	89227	4.000	ug/ml	0.00
Standard Area 3 = 90220			Recovery =	98.90%		
86) IS3_Acenaphthene-d10	7.254	164	89227	4.000	ug/ml	0.00
Standard Area 2 = 91049			Recovery =	98.00%		
88) IS1_Phenanthrene-d10	8.702	188	168352	4.000	ug/ml	# 0.00
Standard Area 1 = 167258			Recovery =	100.65%		
100) IS3_Phenanthrene-d10	8.702	188	168352	4.000	ug/ml	# 0.00
Standard Area 2 = 180524			Recovery =	93.26%		
104) IS1_Chrysene-d12	11.335	240	166019	4.000	ug/ml	# 0.00
Standard Area 1 = 168352			Recovery =	98.61%		
113) IS1_Perylene-d12	12.796	264	190566	4.000	ug/ml	0.00
Standard Area 1 = 185516			Recovery =	102.72%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.921	112	9414	0.867	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.35%		
7) Phenol-d6	3.950	99	8257	0.638	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	31.90%		
19) Nitrobenzene-d5	4.817	82	7978	0.663	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	66.30%		
46) 2-Fluorobiphenyl	6.623	172	20923	0.662	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	66.20%		
79) 2,4,6-Tribromophenol	8.031	330	5895	1.363	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	68.15%		
96) 4-Terphenyl-d14	10.306	244	32554	0.787	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	78.70%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-02.D
 Acq On : 8 Sep 2025 1:20 pm
 Operator : SV106:jg
 Sample : L2555938-02,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 17:43:12 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-02.D
 Acq On : 8 Sep 2025 1:20 pm
 Operator : SV106:jg
 Sample : L2555938-02,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 17:43:12 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	9.364	149	134421	2.523	ug/ml#	98
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D. d	
109) Di-n-octylphthalate	0.000		0		N.D. d	

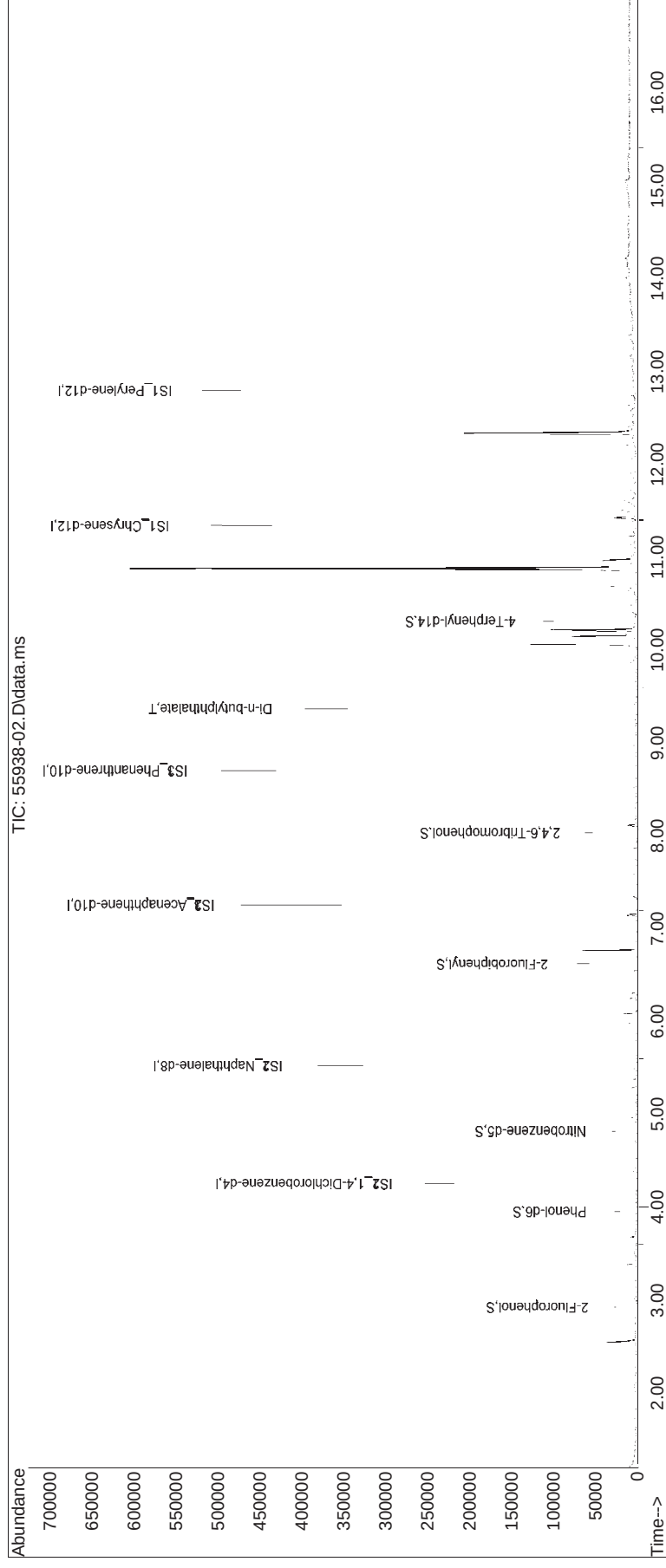
(#) = qualifier out of range (m) = manual integration (+) = signals summed

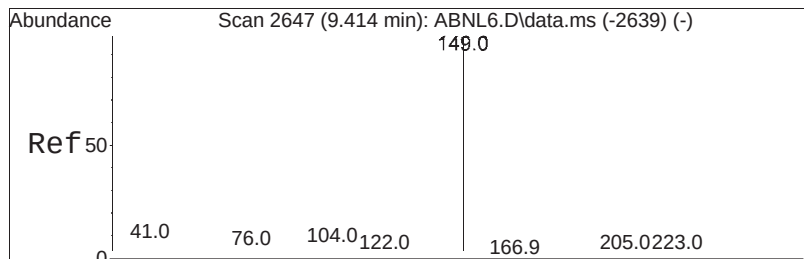
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-02.D
 Acq On : 8 Sep 2025 1:20 pm
 Operator : SV106:jg
 Sample : L2555938-02,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 17:43:12 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

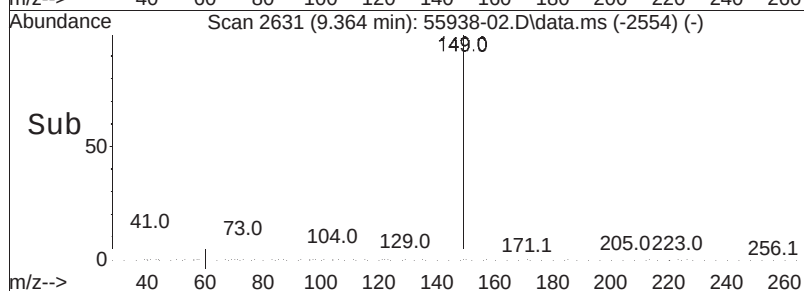
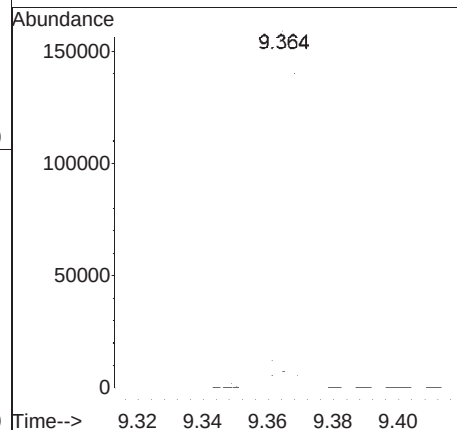
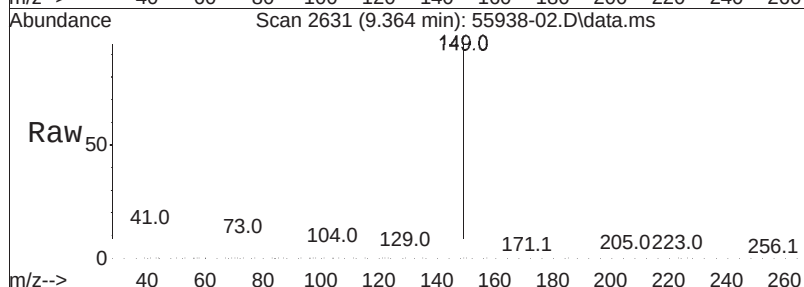
Sub List : 8270IC\827006\SV106\250908RVT\WP90908.D•





#92
 Di-n-butylphthalate
 Concen: 2.52 ug/ml
 RT: 9.364 min Scan# 2631
 Delta R.T. -0.009 min
 Lab File: 55938-02.D
 Acq: 8 Sep 2025 1:20 pm

Tgt Ion:	149	Resp:	134421
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.0	10.6
104	4.4	4.5	6.7#



Manual Integration Report

Data Path	: I:\8270\SV106\250908RVT\	QMethod	: FS250827SV106.m
Data File	: 55938-02.D	Operator	: SV106:jg
Date Inj'd	: 9/8/2025 1:20 pm	Instrument	: SV 106
Sample	: L2555938-02,32,,cmm	Quant Date	: 9/8/2025 1:40 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-03.D
 Acq On : 8 Sep 2025 1:41 pm
 Operator : SV106:jg
 Sample : L2555938-03,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 17:43:32 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.252	152	37588	4.000	ug/ml	0.00
Standard Area 1 = 37897			Recovery =	99.18%		
27) IS2_1,4-Dichlorobenzen...	4.252	152	37588	4.000	ug/ml	0.00
Standard Area 3 = 39953			Recovery =	94.08%		
35) IS1_Naphthalene-d8	5.523	136	146295	4.000	ug/ml	# 0.00
Standard Area 1 = 150804			Recovery =	97.01%		
55) IS2_Naphthalene-d8	5.523	136	146295	4.000	ug/ml	# 0.00
Standard Area 3 = 158242			Recovery =	92.45%		
63) IS1_Acenaphthene-d10	7.254	164	85304	4.000	ug/ml	0.00
Standard Area 1 = 88579			Recovery =	96.30%		
83) IS2_Acenaphthene-d10	7.254	164	85304	4.000	ug/ml	0.00
Standard Area 3 = 90220			Recovery =	94.55%		
86) IS3_Acenaphthene-d10	7.254	164	85304	4.000	ug/ml	0.00
Standard Area 2 = 91049			Recovery =	93.69%		
88) IS1_Phenanthrene-d10	8.702	188	162532	4.000	ug/ml	# 0.00
Standard Area 1 = 167258			Recovery =	97.17%		
100) IS3_Phenanthrene-d10	8.702	188	162532	4.000	ug/ml	# 0.00
Standard Area 2 = 180524			Recovery =	90.03%		
104) IS1_Chrysene-d12	11.335	240	161589	4.000	ug/ml	# 0.00
Standard Area 1 = 168352			Recovery =	95.98%		
113) IS1_Perylene-d12	12.796	264	181831	4.000	ug/ml	0.00
Standard Area 1 = 185516			Recovery =	98.01%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.924	112	9316	0.896	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	44.80%		
7) Phenol-d6	3.950	99	7486	0.604	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	30.20%		
19) Nitrobenzene-d5	4.817	82	8076	0.701	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	70.10%		
46) 2-Fluorobiphenyl	6.623	172	21011	0.700	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	70.00%		
79) 2,4,6-Tribromophenol	8.031	330	5683	1.374	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	68.70%		
96) 4-Terphenyl-d14	10.306	244	32196	0.807	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	80.70%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-03.D
 Acq On : 8 Sep 2025 1:41 pm
 Operator : SV106:jg
 Sample : L2555938-03,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 17:43:32 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-03.D
 Acq On : 8 Sep 2025 1:41 pm
 Operator : SV106:jg
 Sample : L2555938-03,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 17:43:32 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87)	Atrazine	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	9.364	149	102141	1.986	ug/ml	98
97)	Butyl benzyl phthalate	0.000		0	N.D.		
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

Data Path : I:\8270\SV106\250908RVT\

Data File : 55938-03.D

Acq On : 8 Sep 2025 1:41 pm

Operator : SV106:jg

Sample : L2555938-03, 32, cmm

Misc : wg2111831, WG2111707, ical22591

ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 17:43:32 2025

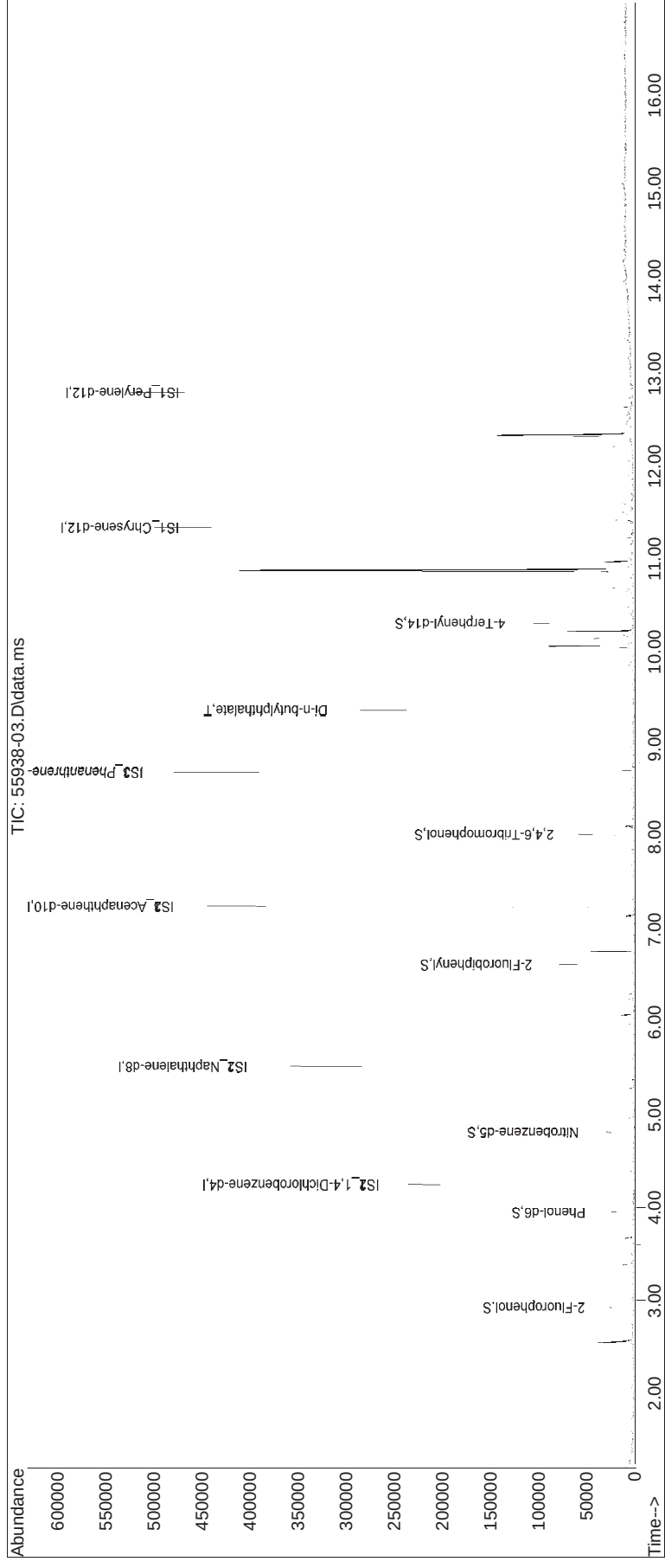
Quant Method : I:\8270\SV106\250908RVT\F250827SV106.m

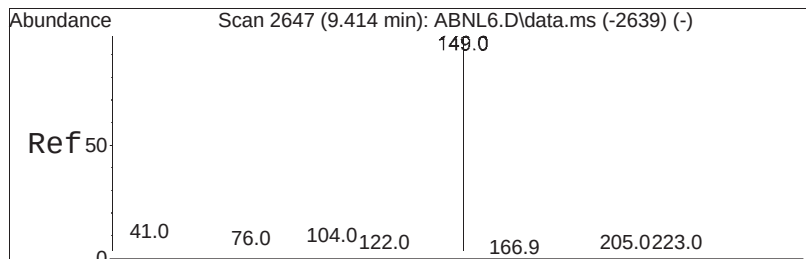
Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Sat Sep 06 08:56:15 2025

Response via : Initial Calibration

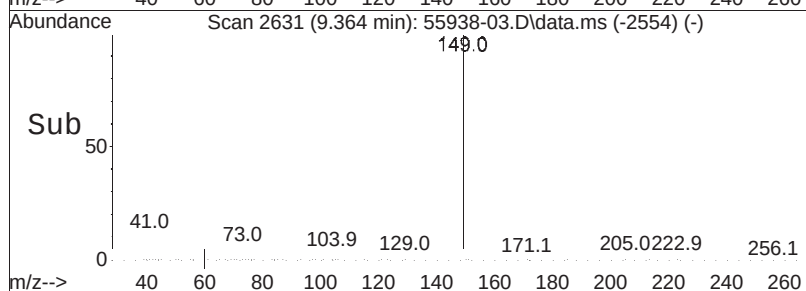
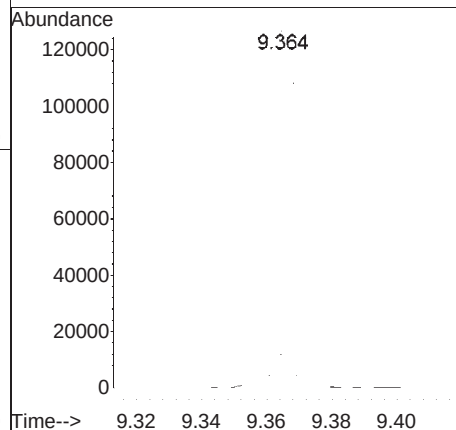
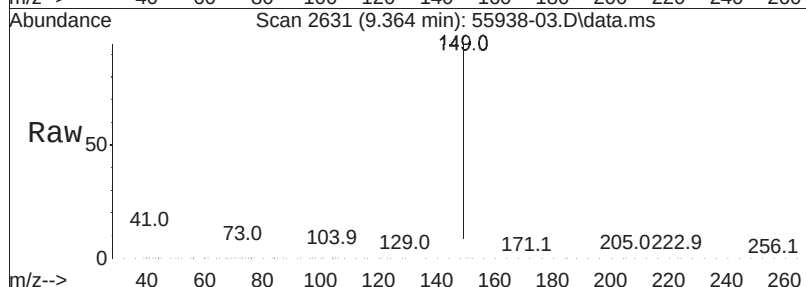
Sub List : 8270IC\8220bSVRE\250908R\XTX\A90908.D.





#92
 Di-n-butylphthalate
 Concen: 1.99 ug/ml
 RT: 9.364 min Scan# 2631
 Delta R.T. -0.009 min
 Lab File: 55938-03.D
 Acq: 8 Sep 2025 1:41 pm

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
150	9.2	7.0	10.6
104	4.5	4.5	6.7



Manual Integration Report

Data Path	: I:\8270\SV106\250908RVT\	QMethod	: FS250827SV106.m
Data File	: 55938-03.D	Operator	: SV106:jg
Date Inj'd	: 9/8/2025 1:41 pm	Instrument	: SV 106
Sample	: L2555938-03,32,,cmm	Quant Date	: 9/8/2025 1:59 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-04.D
 Acq On : 8 Sep 2025 2:03 pm
 Operator : SV106:jg
 Sample : L2555938-04,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 17:43:48 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.251	152	37917	4.000	ug/ml	0.00
Standard Area 1 = 37897			Recovery =	100.05%		
27) IS2_1,4-Dichlorobenzen...	4.251	152	37917	4.000	ug/ml	0.00
Standard Area 3 = 39953			Recovery =	94.90%		
35) IS1_Naphthalene-d8	5.523	136	153196	4.000	ug/ml	# 0.00
Standard Area 1 = 150804			Recovery =	101.59%		
55) IS2_Naphthalene-d8	5.523	136	153196	4.000	ug/ml	# 0.00
Standard Area 3 = 158242			Recovery =	96.81%		
63) IS1_Acenaphthene-d10	7.257	164	86929	4.000	ug/ml	0.00
Standard Area 1 = 88579			Recovery =	98.14%		
83) IS2_Acenaphthene-d10	7.257	164	86929	4.000	ug/ml	0.00
Standard Area 3 = 90220			Recovery =	96.35%		
86) IS3_Acenaphthene-d10	7.257	164	86929	4.000	ug/ml	0.00
Standard Area 2 = 91049			Recovery =	95.47%		
88) IS1_Phenanthrene-d10	8.702	188	162490	4.000	ug/ml	# 0.00
Standard Area 1 = 167258			Recovery =	97.15%		
100) IS3_Phenanthrene-d10	8.702	188	162490	4.000	ug/ml	# 0.00
Standard Area 2 = 180524			Recovery =	90.01%		
104) IS1_Chrysene-d12	11.335	240	159507	4.000	ug/ml	# 0.00
Standard Area 1 = 168352			Recovery =	94.75%		
113) IS1_Perylene-d12	12.796	264	181827	4.000	ug/ml	0.00
Standard Area 1 = 185516			Recovery =	98.01%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.921	112	9510	0.907	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	45.35%		
7) Phenol-d6	3.950	99	8027	0.642	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	32.10%		
19) Nitrobenzene-d5	4.817	82	8027	0.690	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	69.00%		
46) 2-Fluorobiphenyl	6.623	172	20519	0.653	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	65.30%		
79) 2,4,6-Tribromophenol	8.031	330	5696	1.351	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	67.55%		
96) 4-Terphenyl-d14	10.309	244	30508	0.765	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	76.50%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-04.D
 Acq On : 8 Sep 2025 2:03 pm
 Operator : SV106:jg
 Sample : L2555938-04,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 17:43:48 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-04.D
 Acq On : 8 Sep 2025 2:03 pm
 Operator : SV106:jg
 Sample : L2555938-04,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 17:43:48 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	9.364	149	89613	1.743	ug/ml	99
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	

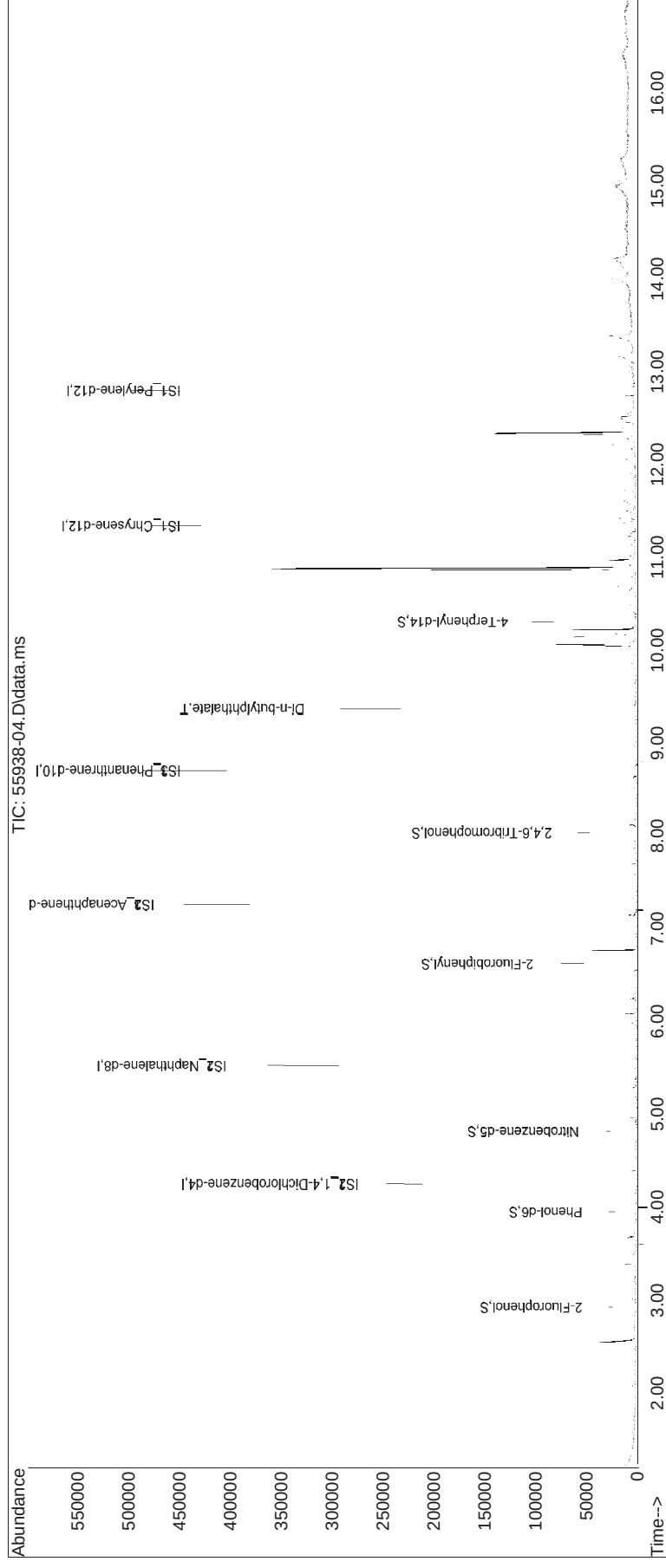
(#) = qualifier out of range (m) = manual integration (+) = signals summed

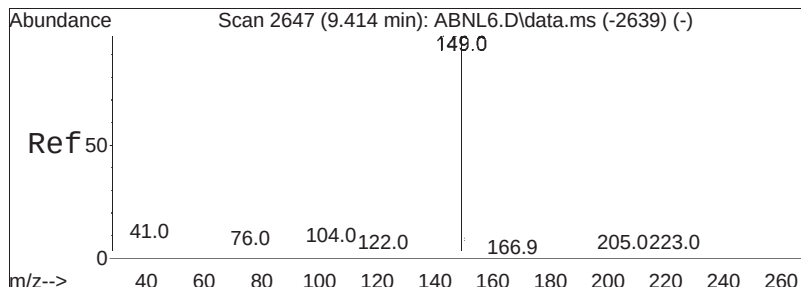
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-04.D
 Acq On : 8 Sep 2025 2:03 pm
 Operator : SV106:jg
 Sample : L2555938-04,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 17:43:48 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

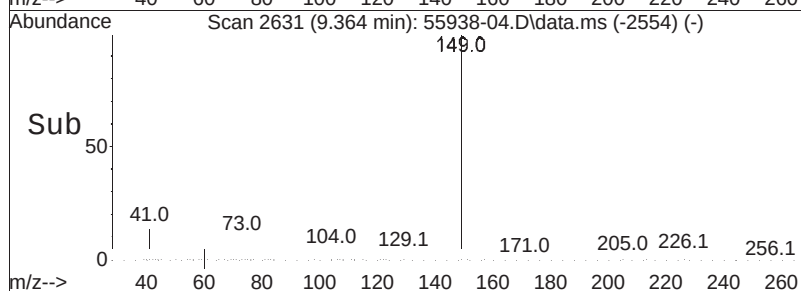
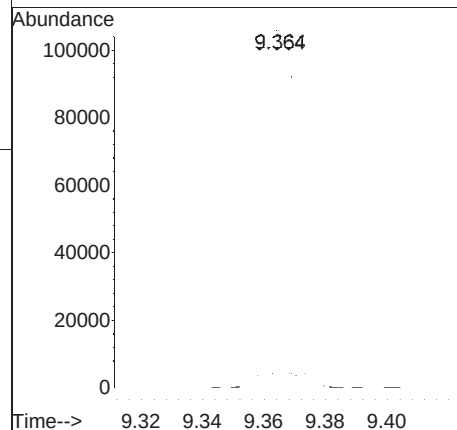
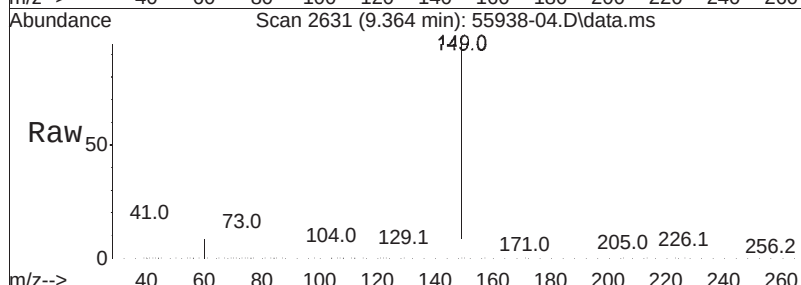
Sub List : 8270IC\827000\SV106\250908RVT\WP90908.D•





#92
 Di-n-butylphthalate
 Concen: 1.74 ug/ml
 RT: 9.364 min Scan# 2631
 Delta R.T. -0.009 min
 Lab File: 55938-04.D
 Acq: 8 Sep 2025 2:03 pm

Tgt Ion:	149	Resp:	89613
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.0	10.6
104	4.6	4.5	6.7



Manual Integration Report

Data Path	: I:\8270\SV106\250908RVT\	QMethod	: FS250827SV106.m
Data File	: 55938-04.D	Operator	: SV106:jg
Date Inj'd	: 9/8/2025 2:03 pm	Instrument	: SV 106
Sample	: L2555938-04,32,,cmm	Quant Date	: 9/8/2025 2:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-05.D
 Acq On : 8 Sep 2025 2:24 pm
 Operator : SV106:jg
 Sample : L2555938-05,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 17:44:06 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.255	152	36988	4.000	ug/ml	0.00
Standard Area 1 = 37897			Recovery =	97.60%		
27) IS2_1,4-Dichlorobenzen...	4.255	152	36988	4.000	ug/ml	0.00
Standard Area 3 = 39953			Recovery =	92.58%		
35) IS1_Naphthalene-d8	5.523	136	147166	4.000	ug/ml	# 0.00
Standard Area 1 = 150804			Recovery =	97.59%		
55) IS2_Naphthalene-d8	5.523	136	147166	4.000	ug/ml	# 0.00
Standard Area 3 = 158242			Recovery =	93.00%		
63) IS1_Acenaphthene-d10	7.254	164	84763	4.000	ug/ml	0.00
Standard Area 1 = 88579			Recovery =	95.69%		
83) IS2_Acenaphthene-d10	7.254	164	84763	4.000	ug/ml	0.00
Standard Area 3 = 90220			Recovery =	93.95%		
86) IS3_Acenaphthene-d10	7.254	164	84763	4.000	ug/ml	0.00
Standard Area 2 = 91049			Recovery =	93.10%		
88) IS1_Phenanthrene-d10	8.702	188	160378	4.000	ug/ml	# 0.00
Standard Area 1 = 167258			Recovery =	95.89%		
100) IS3_Phenanthrene-d10	8.702	188	160378	4.000	ug/ml	# 0.00
Standard Area 2 = 180524			Recovery =	88.84%		
104) IS1_Chrysene-d12	11.335	240	157712	4.000	ug/ml	# 0.00
Standard Area 1 = 168352			Recovery =	93.68%		
113) IS1_Perylene-d12	12.793	264	178613	4.000	ug/ml	-0.01
Standard Area 1 = 185516			Recovery =	96.28%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.918	112	9873	0.965	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.25%		
7) Phenol-d6	3.950	99	8122	0.666	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	33.30%		
19) Nitrobenzene-d5	4.817	82	8587	0.757	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	75.70%		
46) 2-Fluorobiphenyl	6.623	172	21697	0.719	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	71.90%		
79) 2,4,6-Tribromophenol	8.031	330	5609	1.365	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	68.25%		
96) 4-Terphenyl-d14	10.306	244	32169	0.817	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	81.70%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-05.D
 Acq On : 8 Sep 2025 2:24 pm
 Operator : SV106:jg
 Sample : L2555938-05,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 17:44:06 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-05.D
 Acq On : 8 Sep 2025 2:24 pm
 Operator : SV106:jg
 Sample : L2555938-05,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 17:44:06 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87)	Atrazine	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	9.367	149	86760	1.709	ug/ml	98
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D. d	
109)	Di-n-octylphthalate	0.000		0		N.D. d	

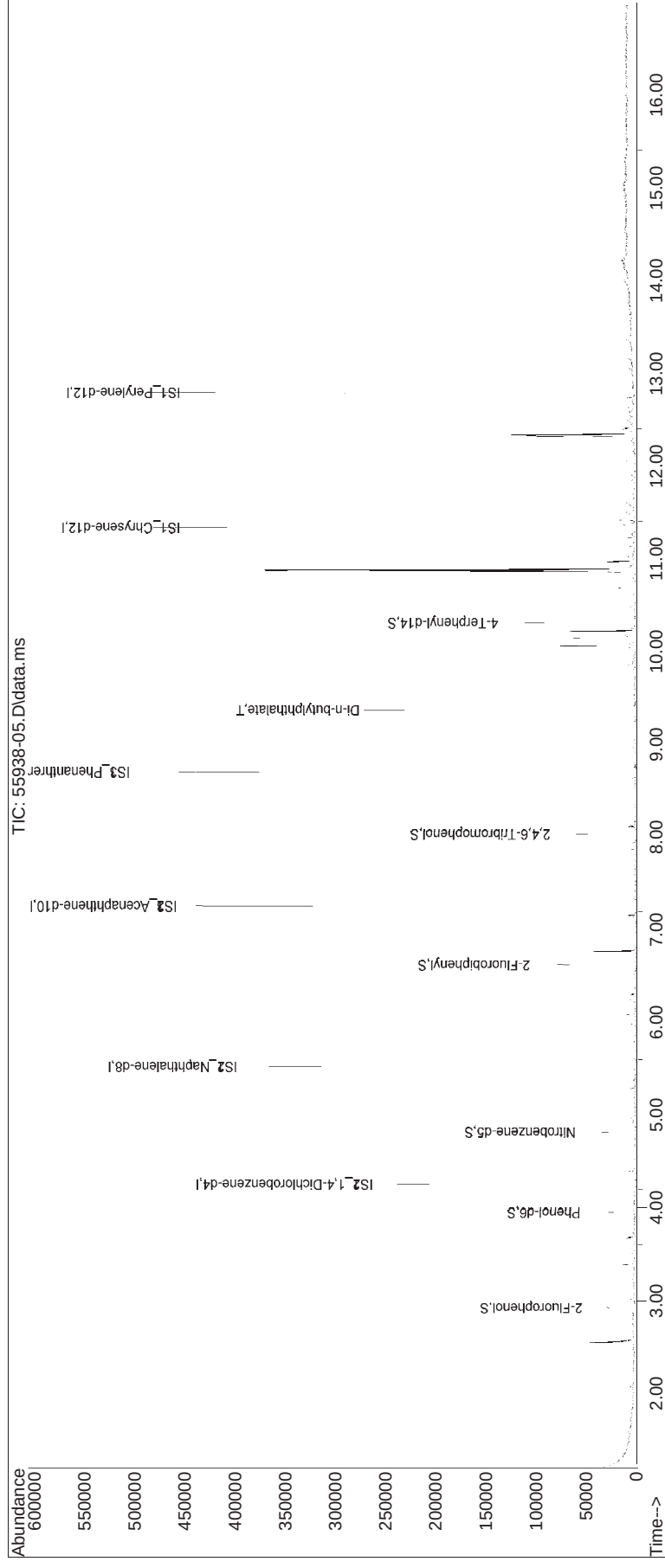
(#) = qualifier out of range (m) = manual integration (+) = signals summed

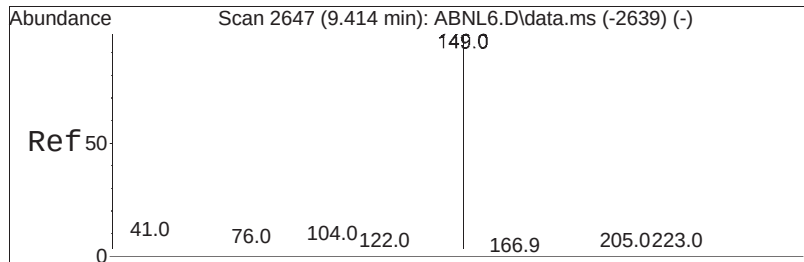
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 55938-05.D
 Acq On : 8 Sep 2025 2:24 pm
 Operator : SV106:jg
 Sample : L2555938-05,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 17:44:06 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

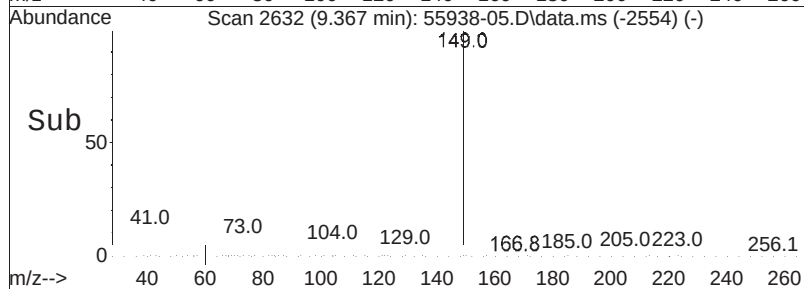
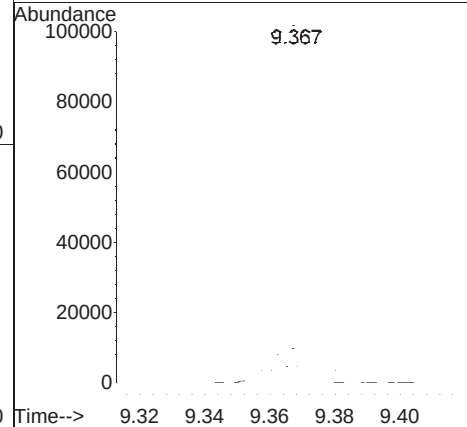
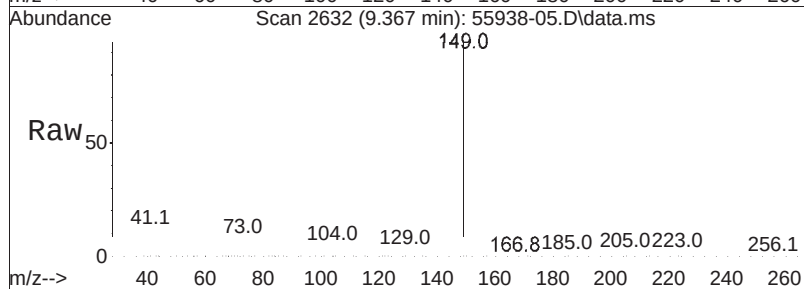
Sub List : 8270IC\827005\REV01250908RVTXWP90908.D•





#92
 Di-n-butylphthalate
 Concen: 1.71 ug/ml
 RT: 9.367 min Scan# 2632
 Delta R.T. -0.006 min
 Lab File: 55938-05.D
 Acq: 8 Sep 2025 2:24 pm

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	86760		
150	9.3	7.0	10.6	
104	4.8	4.5	6.7	



Manual Integration Report

Data Path	: I:\8270\SV106\250908RVT\	QMethod	: FS250827SV106.m
Data File	: 55938-05.D	Operator	: SV106:jg
Date Inj'd	: 9/8/2025 2:24 pm	Instrument	: SV 106
Sample	: L2555938-05,32,,cmm	Quant Date	: 9/8/2025 2:41 pm

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Calibration dates : 08/17/25 18:26 08/18/25 06:05

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22560

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) T N-Nitrosodimethylamine	0.731	0.626	0.651	0.652	0.768	0.882	0.989	0.912	0.916	0.792	17.20
3) T Pyridine		1.100	1.121	1.024	1.283	1.391	1.753	1.555	1.568	1.349	19.38
4) S 2-Fluorophenol	1.059	0.795	0.960	0.883	1.020	1.244	1.390	1.303	1.291	1.105	18.92
5) T Aniline	1.360	1.271	1.604	1.714	1.935	2.250	2.526	2.306	2.264	*L	0.9976
6) T 2-Chlorophenol	1.074	1.088	1.113	1.052	1.225	1.477	1.619	1.472	1.462	1.287	17.06
7) S Phenol-d6	1.102	1.198	1.263	1.213	1.301	1.639	1.819	1.669	1.648	1.428	18.40
8) T Phenol	1.332	1.371	1.380	1.299	1.527	1.765	1.974	1.809	1.773	1.581	15.90
9) T bis(2-Chloroethyl)ether	1.360	1.277	1.114	1.093	1.260	1.433	1.556	1.401	1.379	1.319	11.35
10) T 1,3-Dichlorobenzene	1.547	1.563	1.467	1.352	1.486	1.686	1.817	1.635	1.608	1.573	8.58
11) T 1,4-Dichlorobenzene	1.679	1.472	1.473	1.426	1.512	1.740	1.848	1.681	1.666	1.611	9.00
12) T 1,2-Dichlorobenzene	1.577	1.545	1.301	1.347	1.498	1.688	1.806	1.636	1.614	1.557	10.22
13) T Benzyl alcohol		0.892	0.908	0.887	1.005	1.234	1.415	1.313	1.319	1.122	19.68
14) T bis(2-chloroisopropyl)ether	1.965	2.006	1.889	1.876	2.095	2.340	2.607	2.325	2.231	2.148	11.44
15) T 2-Methylphenol	0.895	0.980	0.965	0.942	1.086	1.309	1.464	1.386	1.366	1.155	19.40
16) T Hexachloroethane	0.507	0.537	0.561	0.522	0.564	0.644	0.708	0.658	0.665	0.596	12.24
17) T n-Nitrosodi-n-propylamine	0.921	0.851	0.831	0.868	0.949	1.150	1.308	1.203	1.209	1.032	17.80
18) T 3-Methylphenol/4-Methylphenol	1.091	1.066	1.068	1.039	1.201	1.413	1.606	1.473	1.477	1.270	17.38
19) S Nitrobenzene-d5	1.183	1.112	1.079	1.094	1.225	1.528	1.726	1.618	1.621	1.354	19.50
20) T Nitrobenzene	1.223	1.116	1.254	1.124	1.257	1.569	1.813	1.651	1.639	1.405	18.65
21) T Isophorone	2.634	2.400	2.332	2.330	2.657	3.225	3.580	3.263	3.223	2.849	16.68
22) T 2-Nitrophenol			0.461	0.513	0.531	0.709	0.847	0.812	0.820	*L	0.9974
23) T 2,4-Dimethylphenol			1.190	1.154	1.373	1.644	1.849	1.680	1.676	1.510	17.88
24) T bis(2-Chloroethoxy)methane	1.643	1.659	1.493	1.518	1.709	2.020	2.230	2.005	1.990	1.807	14.35
25) T 2,4-Dichlorophenol			1.056	0.989	1.135	1.465	1.633	1.532	1.532	1.335	19.84
26) T 1,2,4-Trichlorobenzene	1.556	1.392	1.355	1.318	1.455	1.654	1.807	1.655	1.656	1.539	10.87
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde	0.483	0.631	0.700	0.588	0.584	0.562	0.602	0.587	0.634	0.597	9.83
29) T Acetophenone	1.829	2.083	2.233	1.955	1.887	1.884	1.957	1.950	2.043	1.980	6.22
30) T m-Toluidine			1.030	1.058	1.104	1.190	1.269	1.288	1.400	1.191	11.37
31) T 2-Chloroaniline	1.502	1.695	1.954	1.708	1.586	1.638	1.691	1.674	1.744	1.688	7.32
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) T 1,4-Dioxane	0.664	0.639	0.691	0.503	0.465	0.505	0.494	0.474	0.481	0.546	16.63
34) T n-Decane	1.791	1.463	1.802	1.534	1.545	1.593	1.580	1.541	1.568	1.602	7.27
35) I IS1_Naphthalene-d8	-----ISTD-----										
36) T Naphthalene	1.101	1.122	0.994	0.904	1.051	1.145	1.226	1.049	0.972	1.063	9.22



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Calibration dates : 08/17/25 18:26 08/18/25 06:05

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22560

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37) T Benzoic Acid					0.138	0.222	0.294	0.303	0.319	*L	0.9995
38) T 4-Chloroaniline	0.128	0.108	0.121	0.124	0.144	0.159	0.183	0.161	0.167	0.144	17.40
39) T Hexachlorobutadiene	0.262	0.259	0.226	0.215	0.226	0.271	0.289	0.263	0.266	0.253	9.70
40) T p-Chloro-m-cresol		0.265	0.270	0.247	0.306	0.368	0.421	0.375	0.378	0.329	19.66
41) T 2-Methylnaphthalene	0.666	0.643	0.616	0.579	0.646	0.735	0.798	0.698	0.679	0.674	9.65
42) T 1-Methylnaphthalene	0.304	0.259	0.218	0.227	0.262	0.285	0.312	0.275	0.283	0.269	11.78
43) T Hexachlorocyclopentadiene				0.224	0.248	0.332	0.383	0.360	0.369	*L	0.9983
44) T 2,4,6-Trichlorophenol		0.193	0.194	0.203	0.242	0.305	0.346	0.318	0.329	*L	0.9971
45) T 2,4,5-Trichlorophenol			0.221	0.230	0.274	0.345	0.375	0.341	0.342	*L	0.9978
46) S 2-Fluorobiphenyl	0.911	0.876	0.847	0.831	0.920	1.037	1.086	0.945	0.889	0.927	9.16
47) T 2-Chloronaphthalene	0.751	0.743	0.716	0.689	0.775	0.865	0.928	0.818	0.787	0.786	9.54
48) T 2-Nitroaniline			0.158	0.165	0.200	0.241	0.291	0.272	0.279	*L	0.9978
49) T 1,4-Dinitrobenzene					0.099	0.123	0.143	0.134	0.142	0.128	14.10
50) T 1,3-Dinitrobenzene					0.107	0.139	0.165	0.153	0.161	0.145	16.05
51) T Dimethyl phthalate	0.893	0.942	0.892	0.844	1.029	1.147	1.215	1.036	0.971	0.996	12.34
52) T Acenaphthylene	1.230	1.173	1.161	1.094	1.338	1.498	1.558	1.306	1.180	1.282	12.38
53) T 2,6-Dinitrotoluene			0.144	0.135	0.180	0.222	0.244	0.238	0.245	*L	0.9986
54) T 1,2-Dinitrobenzene					0.074	0.092	0.105	0.097	0.100	0.094	12.65
55) I IS2_Naphthalene-d8	-----ISTD-----										
56) T a-Terpeneol	0.252	0.294	0.331	0.297	0.291	0.291	0.301	0.311	0.313	0.298	7.23
57) T 3-Chloroaniline		0.128	0.162	0.135	0.131	0.136	0.137	0.138	0.140	0.138	7.35
58) T 2,6-Dichlorophenol	0.225	0.269	0.295	0.277	0.278	0.289	0.295	0.304	0.310	0.282	8.94
59) T 1-chloro-2-nitrobenzene	0.097	0.156	0.145	0.138	0.133	0.136	0.139	0.145	0.150	0.137	12.23
60) T Caprolactam		0.115	0.183	0.172	0.167	0.174	0.191	0.207	0.210	0.177	16.78
61) T 1,2,4,5-Tetrachlorobenzene	0.385	0.485	0.543	0.465	0.433	0.424	0.421	0.419	0.415	0.443	10.65
62) T Biphenyl	0.920	1.102	1.222	1.009	0.941	0.934	0.933	0.902	0.842	0.978	11.90
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline			0.223	0.231	0.300	0.358	0.419	0.378	0.380	*L	0.9977
65) T Acenaphthene	1.109	1.070	1.052	0.938	1.090	1.187	1.292	1.120	1.061	1.102	8.85
66) T 2,4-Dinitrophenol				0.070	0.121	0.175	0.218	0.210	0.223	*L	0.9981
67) T Dibenzofuran	1.906	1.766	1.695	1.626	1.886	2.021	2.153	1.810	1.637	1.833	9.67
68) T 2,4-Dinitrotoluene			0.291	0.287	0.376	0.451	0.531	0.472	0.483	*L	0.9974
69) T 4-Nitrophenol			0.168	0.188	0.246	0.321	0.371	0.319	0.321	*L	0.9957
70) T 2,3,5,6-Tetrachlorophenol			0.271	0.299	0.350	0.454	0.512	0.476	0.481	*L	0.9995
71) T 2,3,4,6-Tetrachlorophenol			0.271	0.285	0.380	0.465	0.504	0.462	0.470	*L	0.9995
72) T Diethyl phthalate	1.545	1.453	1.320	1.277	1.616	1.769	1.905	1.652	1.544	1.565	12.86



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Calibration dates : 08/17/25 18:26 08/18/25 06:05

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22560

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73) T Fluorene	1.630	1.355	1.366	1.256	1.528	1.650	1.741	1.496	1.383	1.489	10.86
74) T 4-Chlorophenyl-phenylether	0.855	0.798	0.698	0.666	0.776	0.830	0.890	0.771	0.764	0.783	9.12
75) T 4-Nitroaniline			0.220	0.231	0.321	0.360	0.415	0.368	0.372	*L	0.9976
76) T 4,6-Dinitro-o-cresol				0.150	0.218	0.260	0.307	0.295	0.306	*L	0.9992
77) T NDPA/DPA	1.236	1.104	1.128	1.050	1.297	1.390	1.493	1.284	1.228	1.246	11.30
78) T Azobenzene	1.175	1.212	1.217	1.164	1.498	1.603	1.663	1.448	1.358	1.371	13.92
79) S 2,4,6-Tribromophenol		0.210	0.199	0.203	0.236	0.275	0.313	0.294	0.304	0.254	18.72
80) T 4-Bromophenyl-phenylether	0.484	0.510	0.457	0.425	0.492	0.562	0.619	0.531	0.530	0.512	11.24
81) T Hexachlorobenzene	0.695	0.584	0.544	0.503	0.577	0.639	0.699	0.610	0.610	0.607	10.64
82) T Pentachlorophenol				0.178	0.271	0.354	0.433	0.410	0.424	*L	0.9985
83) I IS2_Acenaphthene-d10	-----ISTD-----										
84) T Dichloran	0.117	0.170	0.201	0.171	0.163	0.167	0.191	0.211	0.224	0.179	17.65
85) T Pentachloronitrobenzene	0.164	0.201	0.218	0.194	0.186	0.194	0.221	0.231	0.234	0.205	11.31
86) I IS3_Acenaphthene-d10	-----ISTD-----										
87) T Atrazine	0.517	0.437	0.482	0.407	0.410	0.472	0.467	0.473	0.501	0.463	8.17
88) I IS1_Phenanthrene-d10	-----ISTD-----										
89) T Phenanthrene	1.142	1.100	1.023	0.990	1.145	1.187	1.282	1.075	0.947	1.099	9.46
90) T Anthracene	1.127	1.032	0.979	0.961	1.140	1.224	1.313	1.088	0.956	1.091	11.30
91) T Carbazole	0.919	0.917	0.872	0.853	1.069	1.132	1.214	1.032	0.932	0.993	12.56
92) T Di-n-butylphthalate	1.066	0.990	0.970	0.971	1.216	1.365	1.529	1.281	1.085	1.164	16.95
93) T Fluoranthene	1.376	1.258	1.216	1.156	1.451	1.497	1.599	1.292	1.119	1.329	12.24
94) T Benzidine				0.539	0.789	0.901	1.051	0.915	0.842	*L	0.9918
95) T Pyrene	1.314	1.314	1.277	1.208	1.565	1.569	1.629	1.314	1.115	1.367	13.05
96) S 4-Terphenyl-d14	1.124	1.027	0.977	0.927	1.156	1.185	1.248	1.039	0.927	1.068	10.87
97) T Butyl benzyl phthalate			0.387	0.390	0.505	0.579	0.689	0.623	0.592	*L	0.9961
98) I IS2_Phenanthrene-d10	-----ISTD-----										
99) T Diphenamid	0.414	0.482	0.547	0.466	0.486	0.487	0.527	0.524	0.517	0.494	8.12
100) I IS3_Phenanthrene-d10	-----ISTD-----										
101) T n-Octadecane	0.558	0.479	0.550	0.452	0.454	0.491	0.500	0.499	0.482	0.496	7.46
102) T Parathion	0.116	0.094	0.103	0.090	0.088	0.099	0.108	0.123	0.137	0.106	15.40
103) T 3,3'-Dimethylbenzidine				0.541	0.582	0.768	0.849	0.847	0.835	0.737	18.97
104) I IS1_Chrysene-d12	-----ISTD-----										
105) T Benzo[a]anthracene	1.440	1.236	1.148	1.119	1.308	1.423	1.569	1.341	1.189	1.308	11.49
106) T 3,3'-Dichlorobenzidine	0.431	0.374	0.376	0.378	0.454	0.551	0.627	0.547	0.522	0.473	19.48
107) T Chrysene	1.298	1.199	1.168	1.097	1.274	1.357	1.430	1.135	0.985	1.216	11.36
108) T bis(2-Ethylhexyl)phthalate		0.563	0.533	0.553	0.676	0.835	0.964	0.865	0.802	*L	0.9942



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV112
Calibration dates : 08/17/25 18:26 08/18/25 06:05
Lab Number : L2555938
Project Number : 2232.0006Y005
Ical Ref : ICAL22560

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109) T	Di-n-octylphthalate			0.831	0.875	1.083	1.385	1.633	1.400	1.224	*Q	0.9962
110) T	Benzo(b)fluoranthene	1.333	1.176	1.089	1.118	1.308	1.380	1.563	1.304	1.282	1.283	11.29
111) T	Benzo(k)fluoranthene	1.276	1.108	1.140	1.102	1.327	1.469	1.528	1.257	1.054	1.251	13.40
112) T	Benzo(a)pyrene	1.139	1.055	0.995	1.032	1.228	1.345	1.480	1.258	1.162	1.188	13.28
113) I	IS1_Perylene-d12	-----ISTD-----										
114) T	Indeno(1,2,3-cd)pyrene	1.010	1.007	0.898	0.885	1.064	1.242	1.394	1.213	1.228	1.105	15.70
115) T	Dibenzo[a,h]anthracene	0.980	0.957	0.916	0.913	1.088	1.226	1.321	1.123	1.054	1.064	13.28
116) T	Benzo(g,h,i)perylene	1.055	1.052	0.949	0.939	1.124	1.239	1.330	1.155	1.102	1.105	11.47



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) t n-Nitrosodimet	0.625	0.627	0.648	0.651	0.662	0.669	0.715	0.683	0.660	0.660	4.21
3) t Pyridine	0.909	1.005	1.085	1.116	1.207	1.184	1.274	1.222	1.175	1.131	10.23
4) S 2-Fluorophenol	1.000	1.021	1.001	1.070	1.147	1.150	1.218	1.194	1.153	1.106	7.64
5) T Aniline	1.318	1.579	1.766	1.790	1.829	1.917	1.896	1.813	1.738	11.43	
6) t 2-Chlorophenol	1.232	1.140	1.249	1.321	1.367	1.380	1.482	1.442	1.373	1.332	8.13
7) S Phenol-d6	1.128	1.235	1.291	1.274	1.342	1.353	1.455	1.430	1.353	1.318	7.59
8) T Phenol	1.253	1.337	1.402	1.430	1.476	1.460	1.589	1.553	1.468	1.441	7.13
9) T Bis(2-chloroet	1.077	1.056	1.154	1.160	1.155	1.153	1.227	1.183	1.121	1.143	4.55
10) T 1,3-Dichlorobe	1.521	1.666	1.599	1.571	1.592	1.611	1.692	1.614	1.518	1.598	3.63
11) T 1,4-Dichlorobe	1.660	1.531	1.676	1.616	1.654	1.635	1.727	1.648	1.559	1.634	3.64
12) T 1,2-Dichlorobe	1.556	1.602	1.607	1.539	1.587	1.562	1.633	1.575	1.485	1.572	2.77
13) t Benzyl alcohol	0.792	0.919	0.907	0.939	0.980	0.980	1.073	1.070	1.019	0.964	9.14
14) T Bis(2-chlorois	1.869	1.814	1.874	1.874	1.902	1.873	1.957	1.896	1.742	1.867	3.22
15) T 2-Methylphenol	1.023	0.916	1.081	1.090	1.106	1.134	1.226	1.217	1.144	1.104	8.65
16) T Hexachloroethane	0.491	0.596	0.593	0.604	0.625	0.620	0.655	0.633	0.599	0.602	7.69
17) T n-Nitrosodi-n-	0.714	0.726	0.703	0.805	0.843	0.844	0.919	0.917	0.860	0.815	10.23
18) T 3-Methylphenol	1.201	1.077	1.095	1.170	1.213	1.221	1.339	1.305	1.239	1.207	7.12
19) S Nitrobenzene-d5	1.107	1.084	1.149	1.192	1.243	1.261	1.360	1.357	1.283	1.226	8.22
20) T Nitrobenzene	1.114	1.129	1.225	1.204	1.290	1.306	1.392	1.390	1.292	1.260	8.00
21) T Isophorone	2.034	2.084	2.111	2.177	2.333	2.360	2.577	2.576	2.409	2.296	8.95
22) T 2-Nitrophenol	0.493	0.534	0.535	0.635	0.665	0.749	0.776	0.734	0.640	17.12	
23) T 2,4-Dimethylph	1.142	1.150	1.117	1.218	1.288	1.344	1.427	1.417	1.337	1.271	9.35
24) T Bis(2-chloroet	1.391	1.497	1.492	1.513	1.613	1.560	1.658	1.651	1.542	1.546	5.54
25) T 2,4-Dichloroph	0.989	0.948	1.054	1.135	1.212	1.232	1.357	1.341	1.259	1.170	12.63
26) T 1,2,4-Trichlor	1.342	1.329	1.312	1.380	1.396	1.375	1.462	1.429	1.342	1.374	3.58
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde	0.678	0.660	0.659	0.656	0.650	0.634	0.633	0.613	0.622	0.645	3.22
29) T Acetophenone	1.895	1.931	2.072	1.849	1.891	1.873	1.878	1.853	1.903	1.905	3.56
30) T m-Toluidine	0.747	0.912	1.162	1.209	1.261	1.257	1.311	1.123	18.79		
31) T 2-Chloroaniline	1.668	1.617	1.753	1.641	1.748	1.750	1.800	1.743	1.792	1.724	3.80
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) t 1,4-Dioxane	0.606	0.475	0.495	0.460	0.452	0.426	0.458	0.442	0.477	11.74	
34) T n-Decane	1.451	1.569	1.484	1.428	1.409	1.421	1.366	1.489	1.426	1.449	4.05
35) I IS1_Naphthalene-d8	-----ISTD-----										
36) T Naphthalene	1.082	1.113	1.085	1.081	1.083	1.076	1.119	1.089	1.010	1.082	2.84



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37) T Benzoic Acid				0.132	0.162	0.197	0.245	0.274	0.268	*L	0.9972
38) T 4-Chloroaniline	0.100	0.096	0.113	0.122	0.122	0.122	0.129	0.128	0.121	0.117	10.11
39) T Hexachlorobuta	0.178	0.207	0.203	0.198	0.202	0.201	0.213	0.205	0.196	0.200	4.85
40) T p-Chloro-m-cresol	0.278	0.248	0.266	0.255	0.285	0.289	0.317	0.317	0.301	0.284	8.87
41) T 2-Methylnaphth	0.673	0.640	0.606	0.630	0.633	0.634	0.677	0.662	0.612	0.641	3.92
42) T 1-Methylnaphth	0.209	0.233	0.228	0.220	0.232	0.224	0.241	0.235	0.224	0.227	4.09
43) T Hexachlorocycl	0.242	0.230	0.231	0.250	0.256	0.258	0.276	0.278	0.265	0.254	6.84
44) T 2,4,6-Trichlor	0.160	0.165	0.197	0.211	0.216	0.228	0.249	0.254	0.240	0.213	16.00
45) T 2,4,5-Trichlor	0.224	0.200	0.197	0.220	0.247	0.252	0.276	0.277	0.261	0.239	12.74
46) S 2-Fluorobiphenyl	0.843	0.835	0.796	0.808	0.825	0.808	0.857	0.835	0.777	0.821	3.09
47) T 2-Chloronaphth	0.695	0.743	0.714	0.725	0.725	0.722	0.766	0.751	0.700	0.727	3.20
48) T 2-Nitroaniline	0.155	0.161	0.170	0.187	0.207	0.224	0.249	0.258	0.243	0.206	19.20
49) T 1,4-Dinitroben		0.071	0.072	0.090	0.096	0.102	0.113	0.119	0.114	0.097	19.22
50) T 1,3-Dinitroben		0.090	0.089	0.091	0.109	0.120	0.132	0.136	0.127	0.112	17.57
51) T Dimethyl phtha	0.834	0.825	0.786	0.845	0.862	0.868	0.935	0.910	0.847	0.857	5.21
52) T Acenaphthylene	1.111	1.063	1.083	1.141	1.192	1.213	1.286	1.264	1.177	1.170	6.61
53) T 2,6-Dinitrotol		0.131	0.132	0.153	0.171	0.176	0.195	0.194	0.185	0.167	15.47
54) T 1,2-Dinitroben		0.054	0.054	0.069	0.076	0.079	0.085	0.084	0.081	0.073	17.37
55) I IS2_Naphthalene-d8	-----ISTD-----										
56) T a-Terpineol	0.261	0.270	0.259	0.260	0.264	0.266	0.275	0.275	0.273	0.267	2.41
57) T 3-Chloroaniline		0.102	0.112	0.111	0.120	0.122	0.118	0.115	0.115	0.114	5.48
58) T 2,6-Dichloroph	0.275	0.262	0.282	0.257	0.283	0.289	0.305	0.307	0.308	0.285	6.59
59) T 1-chloro-2-nit	0.117	0.121	0.131	0.138	0.137	0.136	0.144	0.144	0.145	0.135	7.49
60) T Caprolactam		0.113	0.120	0.124	0.145	0.148	0.156	0.161	0.166	0.142	14.18
61) T 1,2,4,5-Tetrachlorobenzene	0.390	0.417	0.395	0.364	0.366	0.364	0.360	0.353	0.350	0.373	5.99
62) T Biphenyl	1.080	0.960	0.943	0.906	0.928	0.905	0.900	0.882	0.874	0.931	6.70
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline		0.272	0.286	0.317	0.357	0.365	0.383	0.386	0.367	0.342	12.90
65) T Acenaphthene	1.251	1.111	1.104	1.139	1.138	1.119	1.152	1.133	1.074	1.136	4.34
66) T 2,4-Dinitrophenol				0.125	0.138	0.158	0.179	0.199	0.195	0.166	18.30
67) T Dibenzofuran	1.914	1.931	1.798	1.861	1.847	1.817	1.873	1.835	1.721	1.844	3.41
68) T 2,4-Dinitrotol	0.312	0.303	0.330	0.348	0.401	0.426	0.452	0.456	0.433	0.385	15.99
69) T 4-Nitrophenol	0.249	0.176	0.215	0.220	0.236	0.250	0.263	0.267	0.266	0.238	12.64
70) T 2,3,5,6-Tetrac		0.235	0.281	0.315	0.354	0.368	0.387	0.397	0.381	0.340	16.92
71) T 2,3,4,6-Tetrachlorophenol	0.252	0.230	0.304	0.319	0.358	0.367	0.389	0.381	0.369	0.330	17.50
72) T Diethyl phthalate	1.608	1.488	1.406	1.471	1.517	1.532	1.572	1.566	1.487	1.516	4.05



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73) T Fluorene	1.576	1.453	1.402	1.417	1.466	1.422	1.473	1.447	1.367	1.447	4.06
74) T 4-Chlorophenyl	0.763	0.666	0.677	0.690	0.698	0.684	0.694	0.681	0.643	0.688	4.70
75) T 4-Nitroaniline	0.279	0.294	0.280	0.322	0.348	0.367	0.392	0.384	0.367	0.337	13.14
76) T 4,6-Dinitro-o-			0.148	0.176	0.201	0.219	0.245	0.257	0.251	0.214	19.28
77) T NDPA/DPA	1.240	1.142	1.119	1.214	1.236	1.236	1.279	1.243	1.176	1.209	4.35
78) T Azobenzene	1.256	1.163	1.201	1.253	1.325	1.316	1.341	1.328	1.264	1.272	4.84
79) S 2,4,6-Tribromo		0.152	0.174	0.186	0.197	0.200	0.210	0.220	0.212	0.194	11.57
80) T 4-Bromophenyl	0.464	0.432	0.402	0.418	0.424	0.413	0.434	0.427	0.405	0.424	4.38
81) T Hexachlorobenzene	0.521	0.488	0.460	0.464	0.481	0.459	0.472	0.474	0.456	0.475	4.26
82) T Pentachlorophenol				0.197	0.249	0.276	0.310	0.324	0.323	0.280	17.94
83) I IS2_Acenaphthene-d10	-----ISTD-----										
84) T Dichloran	0.147	0.124	0.138	0.135	0.146	0.161	0.174	0.193	0.207	0.158	17.57
85) T Pentachloronit		0.110	0.139	0.135	0.154	0.164	0.170	0.176	0.187	0.154	16.28
86) I IS3_Acenaphthene-d10	-----ISTD-----										
87) T Atrazine	0.309	0.334	0.345	0.341	0.354	0.377	0.391	0.448	0.447	0.372	13.19
88) I IS1_Phenanthrene-d10	-----ISTD-----										
89) T Phenanthrene	1.371	1.263	1.179	1.178	1.164	1.168	1.218	1.175	1.104	1.202	6.34
90) T Anthracene	1.219	1.185	1.107	1.147	1.170	1.177	1.260	1.203	1.132	1.178	3.94
91) T Carbazole	1.003	1.023	1.026	1.069	1.101	1.117	1.192	1.136	1.064	1.081	5.65
92) T Di-n-butylphth	1.166	1.108	1.070	1.167	1.264	1.333	1.456	1.451	1.377	1.266	11.52
93) T Fluoranthene	1.364	1.261	1.208	1.274	1.297	1.306	1.390	1.323	1.242	1.296	4.47
94) T Benzidine				0.599	0.757	0.837	0.945	0.946	0.905	0.831	16.22
95) T Pyrene	1.449	1.366	1.307	1.384	1.383	1.387	1.466	1.403	1.300	1.383	4.02
96) S 4-Terphenyl-d14	1.126	0.947	0.937	0.957	0.963	0.957	1.026	0.994	0.935	0.982	6.21
97) T Butyl benzyl p	0.449	0.408	0.431	0.458	0.519	0.563	0.643	0.660	0.630	0.529	18.59
98) I IS2_Phenanthrene-d10	-----ISTD-----										
99) T Diphenamid	0.451	0.409	0.439	0.457	0.505	0.514	0.532	0.532	0.543	0.487	9.95
100) I IS3_Phenanthrene-d10	-----ISTD-----										
101) T n-Octadecane	0.450	0.480	0.469	0.459	0.462	0.490	0.491	0.524	0.494	0.480	4.72
102) T Parathion				0.090	0.094	0.107	0.118	0.149	0.151	*L	0.9938
103) T 3,3'-Dimethylbenzidine					0.527	0.645	0.750	0.965	0.942	*L	0.9970
104) I IS1_Chrysene-d12	-----ISTD-----										
105) T Benzo(a)anthra	1.511	1.315	1.289	1.310	1.335	1.318	1.412	1.375	1.277	1.349	5.47
106) T 3,3'-Dichlorob	0.387	0.381	0.410	0.441	0.484	0.495	0.538	0.538	0.505	0.464	13.26
107) T Chrysene	1.506	1.443	1.348	1.330	1.324	1.278	1.335	1.269	1.194	1.336	6.96
108) T Bis(2-ethylhex	0.820	0.652	0.685	0.755	0.860	0.905	1.000	1.001	0.940	0.846	15.20



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Calibration dates : 08/27/25 20:12 08/28/25 06:19

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22591

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109) T Di-n-octylphth			1.035	1.125	1.328	1.447	1.676	1.705	1.617	1.419	18.86
110) T Benzo(b)fluora	1.294	1.242	1.272	1.269	1.271	1.242	1.362	1.307	1.239	1.278	3.09
111) T Benzo(k)fluora	1.319	1.241	1.207	1.316	1.368	1.336	1.382	1.325	1.231	1.303	4.75
112) T Benzo(a)pyrene	1.127	1.076	1.125	1.215	1.230	1.227	1.313	1.264	1.197	1.197	6.26
113) I IS1_Perylene-d12	-----ISTD-----										
114) T Indeno(1,2,3-c	1.099	0.994	0.991	1.063	1.102	1.150	1.260	1.277	1.329	1.141	10.81
115) T Dibenzo(a,h)an	1.138	1.113	1.084	1.145	1.156	1.194	1.272	1.275	1.252	1.181	6.01
116) T Benzo(ghi)pery	1.225	1.122	1.082	1.111	1.132	1.151	1.231	1.220	1.197	1.164	4.80



Response Factor Report SV112

Method Path : I:\8270\SV112\250817RVTFical\
 Method File : FS250817SV112RVTF.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Aug 18 06:54:37 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNLSa.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4											
2) T N-Nitrosodimethylamine	0.731	0.626	0.651	0.652	0.768	0.882	0.989	0.912	0.916	0.792	17.20
3) T Pyridine	1.100	1.121	1.024	1.283	1.391	1.753	1.555	1.568	1.349	19.38	
4) S 2-Fluorophenol	1.059	0.795	0.960	0.883	1.020	1.244	1.390	1.303	1.291	1.105	18.92
5) T Aniline	1.360	1.271	1.604	1.714	1.935	2.250	2.526	2.306	2.264	*L 0.9976	
6) T 2-Chlorophenol	1.074	1.088	1.113	1.052	1.225	1.477	1.619	1.472	1.462	1.287	17.06
7) S Phenol-d6	1.102	1.198	1.263	1.213	1.301	1.639	1.819	1.669	1.648	1.428	18.40
8) T Phenol	1.332	1.371	1.390	1.299	1.527	1.765	1.974	1.809	1.773	1.581	15.90
9) T bis(2-Chloroethyl)ether	1.360	1.277	1.114	1.093	1.260	1.433	1.556	1.401	1.379	1.319	11.35
10) T 1,3-Dichlorobenzene	1.547	1.563	1.467	1.352	1.486	1.686	1.817	1.635	1.608	1.573	8.58
11) T 1,4-Dichlorobenzene	1.679	1.472	1.473	1.426	1.512	1.740	1.848	1.681	1.666	1.611	9.00
12) T 1,2-Dichlorobenzene	1.577	1.545	1.301	1.347	1.498	1.688	1.806	1.636	1.614	1.557	10.22
13) T Benzyl alcohol	0.892	0.908	0.887	0.887	1.005	1.234	1.415	1.313	1.319	1.122	19.68
14) T bis(2-chloroisopropyl)ether	1.965	2.006	1.889	1.876	2.095	2.340	2.607	2.325	2.231	2.148	11.44
15) T 2-Methylphenol	0.895	0.980	0.965	0.942	1.086	1.309	1.464	1.386	1.366	1.155	19.40
16) T Hexachloroethane	0.507	0.537	0.561	0.522	0.564	0.644	0.708	0.658	0.665	0.596	12.24
17) T n-Nitrosodi-n-propylamine	0.921	0.851	0.831	0.868	0.949	1.150	1.308	1.203	1.209	1.032	17.80
18) T 3-Methylphenol/4-Methylphenol	1.991	1.066	1.068	1.039	1.201	1.413	1.606	1.473	1.477	1.270	17.38
19) S Nitrobenzene-d5	1.183	1.112	1.079	1.094	1.225	1.528	1.726	1.618	1.621	1.354	19.50
20) T Nitrobenzene	1.223	1.116	1.254	1.124	1.257	1.569	1.813	1.651	1.639	1.405	18.65
21) T Isophorone	2.634	2.400	2.332	2.330	2.657	3.225	3.580	3.263	3.223	2.849	16.68
22) T 2-Nitrophenol	0.461	0.513	0.531	0.531	0.709	0.847	0.812	0.820	*L 0.9974		
23) T 2,4-Dimethylphenol	1.190	1.154	1.373	1.644	1.849	1.680	1.680	1.676	1.510	17.88	
24) T bis(2-Chloroethoxy)methane	1.643	1.659	1.493	1.518	1.709	2.020	2.230	2.005	1.990	1.807	14.35
25) T 2,4-Dichlorophenol	1.829	2.083	2.233	1.955	1.887	1.884	1.957	1.950	2.043	1.980	6.22
26) T 1,2,4-Trichlorobenzene	1.056	0.989	1.135	1.465	1.633	1.532	1.532	1.532	1.335	19.84	
27) I IS2_1,4-Dichlorobenzene-d4	1.556	1.392	1.355	1.318	1.455	1.654	1.807	1.655	1.656	1.539	10.87
28) T Benzaldehyde	0.483	0.631	0.700	0.588	0.584	0.562	0.602	0.587	0.634	0.597	9.83
29) T Acetophenone	1.829	2.083	2.233	1.955	1.887	1.884	1.957	1.950	2.043	1.980	6.22
30) T m-Toluidine	1.030	1.058	1.104	1.190	1.269	1.288	1.400	1.191	1.191	11.37	
31) T 2-Chloroaniline	1.502	1.695	1.954	1.708	1.586	1.638	1.691	1.674	1.744	1.688	7.32
32) I IS3_1,4-Dichlorobenzene-d4											
33) T 1,4-Dioxane	0.664	0.639	0.691	0.503	0.465	0.505	0.494	0.474	0.481	0.546	16.63
34) T n-Decane	1.791	1.463	1.802	1.534	1.545	1.593	1.580	1.541	1.568	1.602	7.27
35) I IS1_Naphthalene-d8											
36) T Naphthalene	1.101	1.122	0.994	0.904	1.051	1.145	1.226	1.049	0.972	1.063	9.22
37) T Benzoic Acid	0.128	0.108	0.121	0.124	0.144	0.159	0.183	0.161	0.167	0.144	17.40
38) T 4-Chloroaniline	0.262	0.259	0.226	0.215	0.226	0.271	0.289	0.263	0.266	0.253	9.70
39) T Hexachlorobutadiene	0.265	0.270	0.247	0.306	0.368	0.421	0.375	0.378	0.329	19.66	
40) T p-Chloro-m-cresol	0.666	0.643	0.616	0.579	0.646	0.735	0.798	0.698	0.679	0.674	9.65
41) T 2-Methylnaphthalene	0.304	0.259	0.218	0.227	0.262	0.285	0.312	0.275	0.283	0.269	11.78
42) T 1-Methylnaphthalene	0.224	0.248	0.332	0.383	0.360	0.369	*L 0.9983				
43) T Hexachlorocyclopentadiene	0.193	0.194	0.203	0.242	0.305	0.346	0.318	0.329	*L 0.9971		
44) T 2,4,6-Trichlorophenol	0.221	0.230	0.274	0.345	0.375	0.341	0.342	*L 0.9978			
45) T 2,4,5-Trichlorophenol											

Response Factor Report SV112

Method Path : I:\8270\SV112\250817RV\Tical\
Method File : FS250817SV112RV.T.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 18 06:54:37 2025
Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46) S 2-Fluorobiphenyl	0.911	0.876	0.847	0.831	0.920	1.037	1.086	0.945	0.889	0.927	9.16
47) T 2-Chloronaphthalene	0.751	0.743	0.716	0.689	0.775	0.865	0.928	0.818	0.787	0.786	9.54
48) T 2-Nitroaniline	0.158	0.165	0.200	0.241	0.291	0.272	0.279	*L	0.9978		
49) T 1,4-Dinitrobenzene	0.099	0.123	0.143	0.134	0.142	0.134	0.142	0.128	0.141	0.140	
50) T 1,3-Dinitrobenzene	0.107	0.139	0.165	0.153	0.161	0.145	0.165	0.145	0.165	0.165	
51) T Dimethyl phthalate	0.893	0.942	0.892	0.844	1.029	1.147	1.215	1.036	0.971	0.996	12.34
52) T Acenaphthylene	1.230	1.173	1.161	1.094	1.338	1.498	1.568	1.306	1.180	1.282	12.38
53) T 2,6-Dinitrotoluene	0.144	0.135	0.180	0.222	0.244	0.238	0.245	*L	0.9986		
54) T 1,2-Dinitrobenzene	0.074	0.092	0.105	0.097	0.100	0.094	0.100	0.094	0.100	0.094	12.65
55) I IS2_Naphthalene-d8	-----ISTD-----										
56) T a-Terpineol	0.252	0.294	0.331	0.297	0.291	0.291	0.301	0.311	0.313	0.298	7.23
57) T 3-Chloroaniline	0.128	0.162	0.135	0.131	0.136	0.137	0.137	0.138	0.140	0.138	7.35
58) T 2,6-Dichlorophenol	0.225	0.269	0.295	0.277	0.278	0.289	0.295	0.304	0.310	0.282	8.94
59) T 1-chloro-2-nitrobenzene	0.097	0.156	0.145	0.138	0.133	0.136	0.139	0.145	0.150	0.137	12.23
60) T Caprolactam	0.115	0.183	0.172	0.167	0.174	0.191	0.207	0.210	0.210	0.177	16.78
61) T 1,2,4,5-Tetrachlorobenzene	0.385	0.485	0.543	0.465	0.433	0.424	0.421	0.419	0.415	0.443	10.65
62) T Biphenyl	0.920	1.102	1.222	1.009	0.941	0.934	0.933	0.902	0.842	0.978	11.90
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline	0.223	0.231	0.300	0.358	0.419	0.378	0.380	*L	0.9977		
65) T Acenaphthene	1.109	1.070	1.052	0.938	1.090	1.187	1.292	1.120	1.061	1.102	8.85
66) T 2,4-Dinitrophenol	0.070	0.121	0.175	0.218	0.210	0.223	*L	0.9981			
67) T Dibenzofuran	1.906	1.766	1.695	1.626	1.886	2.021	2.153	1.810	1.637	1.833	9.67
68) T 2,4-Dinitrotoluene	0.291	0.287	0.376	0.451	0.531	0.472	0.483	*L	0.9974		
69) T 4-Nitrophenol	0.168	0.188	0.246	0.321	0.371	0.319	0.321	*L	0.9957		
70) T 2,3,5,6-Tetrachlorophenol	0.271	0.299	0.350	0.454	0.512	0.476	0.481	*L	0.9995		
71) T 2,3,4,6-Tetrachlorophenol	0.271	0.285	0.380	0.465	0.504	0.462	0.470	*L	0.9995		
72) T Diethyl phthalate	1.545	1.453	1.320	1.277	1.616	1.769	1.905	1.652	1.544	1.565	12.86
73) T Fluorene	1.630	1.355	1.366	1.256	1.528	1.650	1.741	1.496	1.383	1.489	10.86
74) T 4-Chlorophenyl-phenylether	0.855	0.798	0.698	0.666	0.776	0.830	0.890	0.771	0.764	0.783	9.12
75) T 4-Nitroaniline	0.220	0.231	0.321	0.360	0.415	0.368	0.372	*L	0.9976		
76) T 4,6-Dinitro-o-cresol	0.150	0.218	0.260	0.307	0.295	0.306	*L	0.9992			
77) T NDPA/DPA	1.236	1.104	1.128	1.050	1.297	1.390	1.493	1.284	1.228	1.246	11.30
78) T Azobenzene	1.175	1.212	1.217	1.164	1.498	1.603	1.663	1.448	1.358	1.371	13.92
79) S 2,4,6-Tribromophenol	0.210	0.199	0.203	0.236	0.275	0.313	0.294	0.304	0.254	0.254	18.72
80) T 4-Bromophenyl-phenylether	0.484	0.510	0.457	0.425	0.492	0.562	0.619	0.531	0.530	0.512	11.24
81) T Hexachlorobenzene	0.695	0.584	0.544	0.503	0.577	0.639	0.699	0.610	0.607	0.607	10.64
82) T Pentachlorophenol	0.178	0.271	0.354	0.433	0.410	0.424	*L	0.9985			
83) I IS2_Acenaphthene-d10	-----ISTD-----										
84) T Dichloran	0.117	0.170	0.201	0.171	0.163	0.167	0.191	0.211	0.224	0.179	17.65
85) T Pentachloronitrobenzene	0.164	0.201	0.218	0.194	0.186	0.194	0.221	0.231	0.234	0.205	11.31
86) I IS3_Acenaphthene-d10	-----ISTD-----										
87) T Atrazine	0.517	0.437	0.482	0.407	0.410	0.472	0.467	0.473	0.501	0.463	8.17
88) I IS1_Phenanthrene-d10	-----ISTD-----										
89) T Phenanthrene	1.142	1.100	1.023	0.990	1.145	1.187	1.282	1.075	0.947	1.099	9.46
90) T Anthracene	1.127	1.032	0.979	0.961	1.140	1.224	1.313	1.088	0.956	1.091	11.30

Response Factor Report SV112

Method Path : I:\8270\SV112\250817RV\Tical\
 Method File : FS250817SV112RV.T.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Aug 18 06:54:37 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5a.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD

91) T Carbazole	0.919	0.917	0.872	0.853	1.069	1.132	1.214	1.032	0.932	0.993	12.56
92) T Di-n-butylphthalate	1.066	0.990	0.970	0.971	1.216	1.365	1.216	1.281	1.085	1.164	16.95
93) T Fluoranthene	1.376	1.258	1.216	1.156	1.451	1.497	1.599	1.292	1.119	1.329	12.24
94) T Benzidine				0.539	0.789	0.901	1.051	0.915	0.842	*L	0.9918
95) T Pyrene	1.314	1.314	1.277	1.208	1.565	1.569	1.629	1.314	1.115	1.367	13.05
96) S 4-Terphenyl-d14	1.124	1.027	0.977	0.927	1.156	1.185	1.248	1.039	0.927	1.068	10.87
97) T Butyl benzyl phthalate			0.387	0.390	0.505	0.579	0.689	0.623	0.592	*L	0.9961
98) I IS2 Phenanthrene-d10	-----ISTD-----										
99) T Diphenamid	0.414	0.482	0.547	0.466	0.486	0.487	0.527	0.524	0.517	0.494	8.12
100) I IS3 Phenanthrene-d10	-----ISTD-----										
101) T n-Octadecane	0.558	0.479	0.550	0.452	0.454	0.491	0.500	0.499	0.482	0.496	7.46
102) T Parathion	0.116	0.094	0.103	0.090	0.088	0.099	0.108	0.123	0.137	0.106	15.40
103) T 3,3'-Dimethylbenzidine				0.541	0.582	0.768	0.849	0.847	0.835	0.737	18.97
104) I IS1 Chrysene-d12	-----ISTD-----										
105) T Benzo[a]anthracene	1.440	1.236	1.148	1.119	1.308	1.423	1.569	1.341	1.189	1.308	11.49
106) T 3,3'-Dichlorobenzidine	0.431	0.374	0.376	0.378	0.454	0.551	0.627	0.547	0.522	0.473	19.48
107) T Chrysene	1.298	1.199	1.168	1.097	1.274	1.357	1.430	1.135	0.985	1.216	11.36
108) T bis(2-Ethylhexyl)phthalate		0.563	0.533	0.553	0.676	0.835	0.964	0.865	0.802	*L	0.9942
109) T Di-n-octylphthalate			0.831	0.875	1.083	1.385	1.633	1.400	1.224	*Q	0.9962
110) T Benzo(b)fluoranthene	1.333	1.176	1.089	1.118	1.308	1.380	1.563	1.304	1.282	1.283	11.29
111) T Benzo(k)fluoranthene	1.276	1.108	1.140	1.102	1.327	1.469	1.528	1.257	1.054	1.251	13.40
112) T Benzo(a)pyrene	1.139	1.055	0.995	1.032	1.228	1.345	1.480	1.258	1.162	1.188	13.28
113) I IS1 Perylene-d12	-----ISTD-----										
114) T Indeno(1,2,3-cd)pyrene	1.010	1.007	0.898	0.885	1.064	1.242	1.394	1.213	1.228	1.105	15.70
115) T Dibenzof[a,h]anthracene	0.980	0.957	0.916	0.913	1.088	1.226	1.321	1.123	1.054	1.064	13.28
116) T Benzo(g,h,i)perylene	1.055	1.052	0.949	0.939	1.124	1.239	1.330	1.155	1.102	1.105	11.47

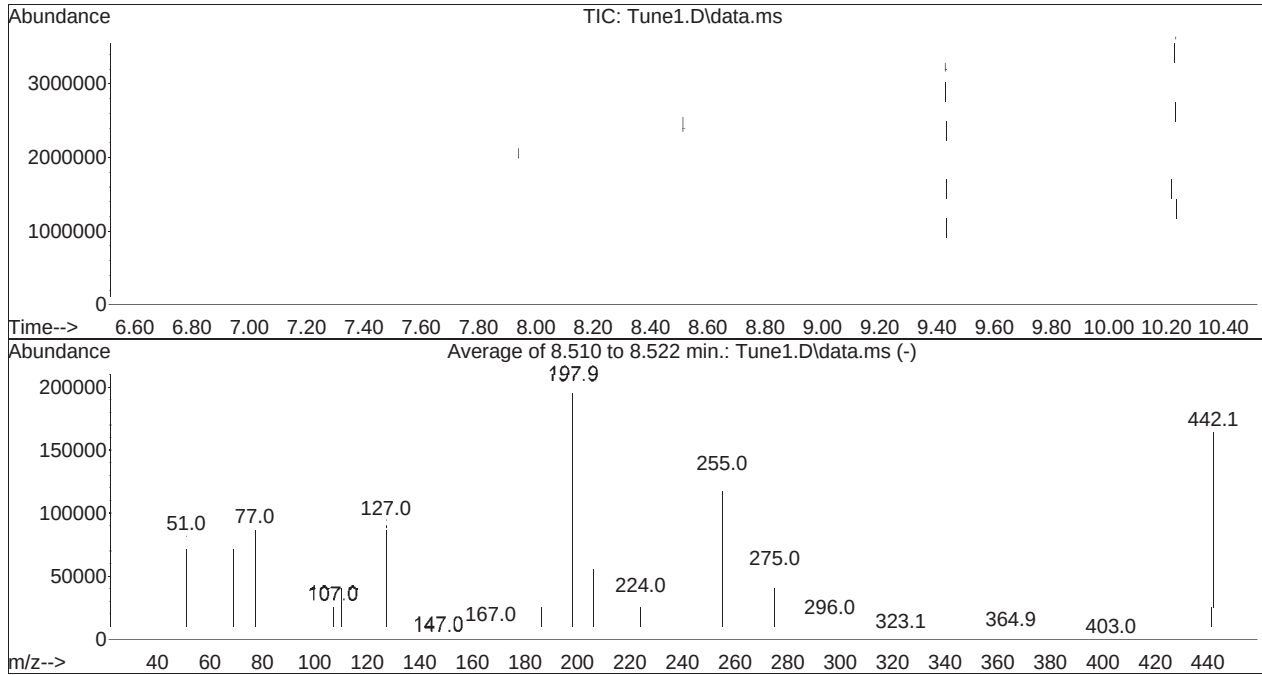
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV112\250817RVTical\
 Data File : Tune1.D
 Acq On : 17 Aug 2025 06:04 pm
 Operator : SV112:slr
 Sample : Tune Lot#11857
 Misc : WG2104073,,ical
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Aug 18 06:54:37 2025



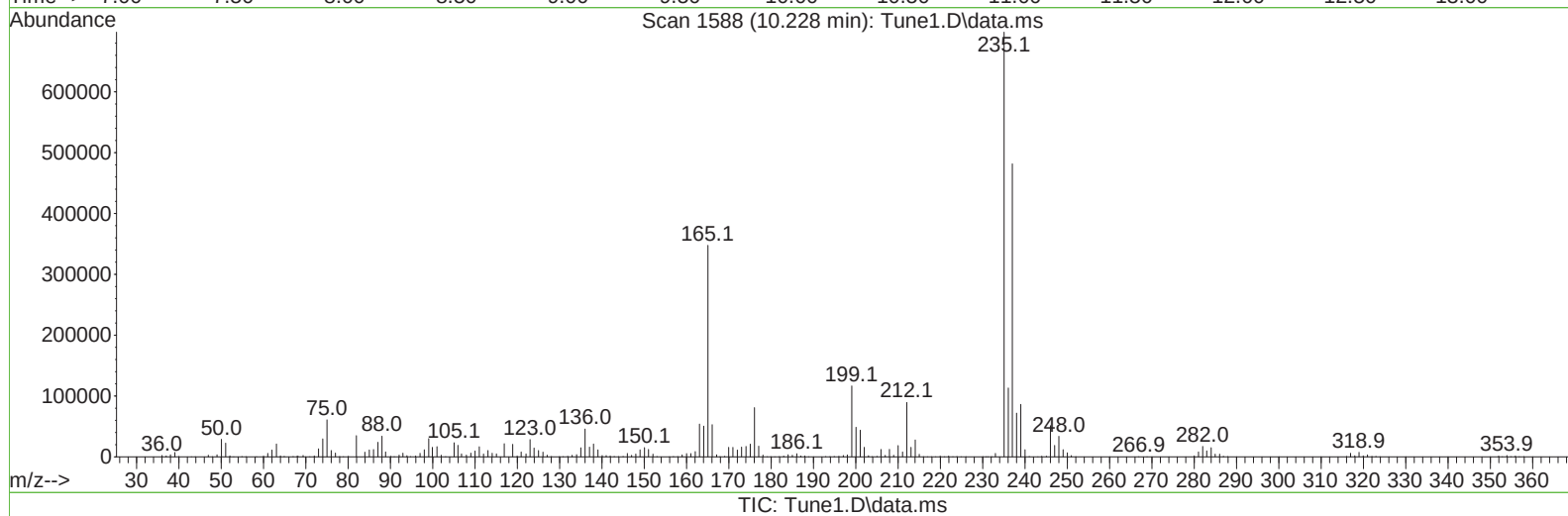
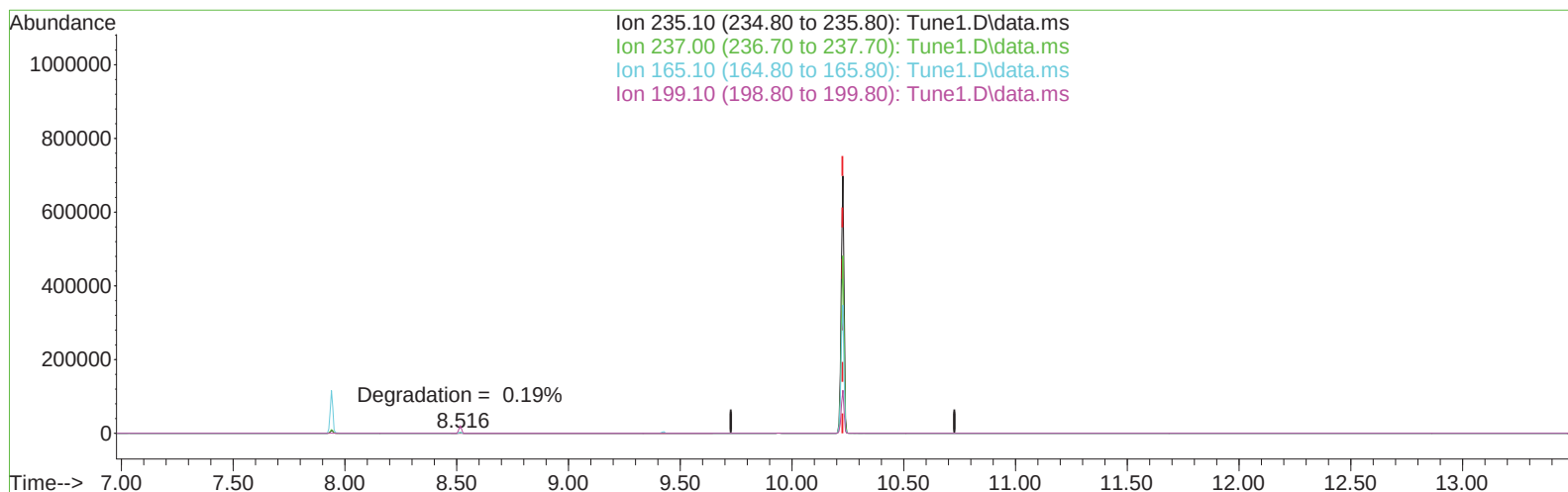
AutoFind: Scans 1296, 1297, 1298; Background Corrected with Scan 1291

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.5	82579	PASS
68	69	0.00	2	1.6	1258	PASS
69	69	100	100	100.0	77283	PASS
70	69	0.00	2	0.5	366	PASS
127	198	10	80	45.2	94493	PASS
197	198	0.00	2	0.7	1366	PASS
198	198	100	100	100.0	209003	PASS
199	198	5	9	7.0	14627	PASS
275	198	10	60	26.5	55421	PASS
365	198	1	100	3.2	6728	PASS
441	442	0.01	24	16.5	27332	PASS
442	198	50	100	79.1	165328	PASS
443	442	15	24	19.3	31868	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : Tune1.D
 Acq On : 17 Aug 2025 06:04 pm
 Operator : SV112:slr
 Sample : Tune Lot#11857
 Misc : WG2104073,,ical
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:07:37 2025
 Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 p
 Response via : Initial Calibration



(6) DDT (T)

10.228min (-0.000) 0.00

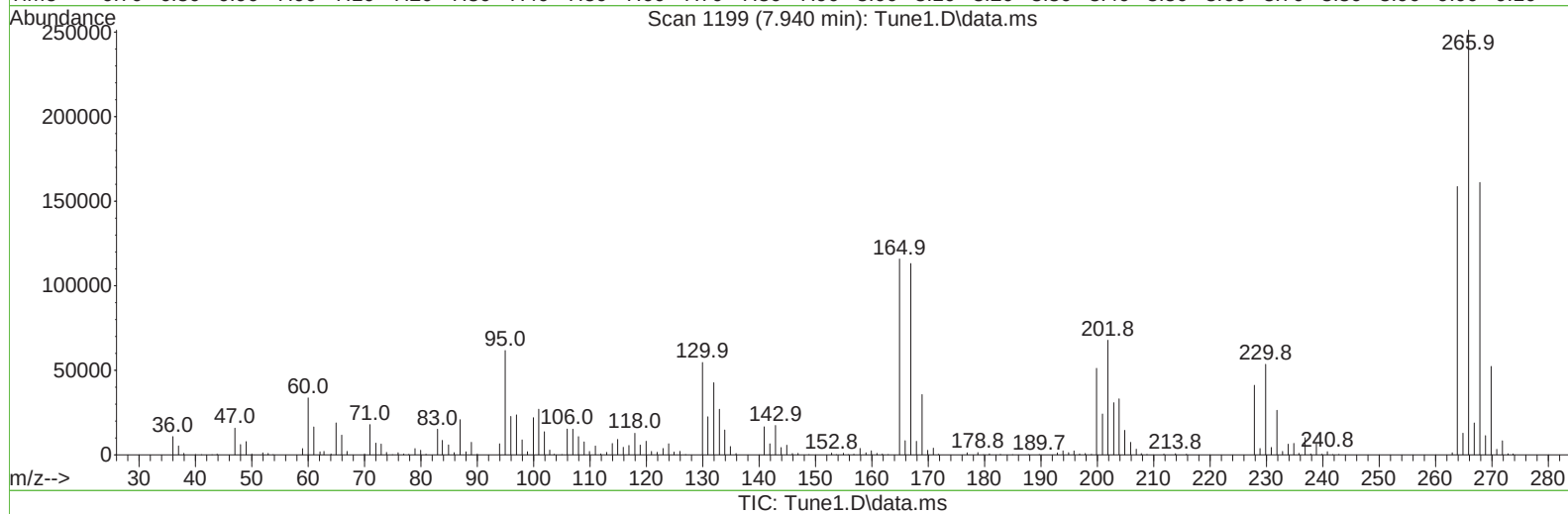
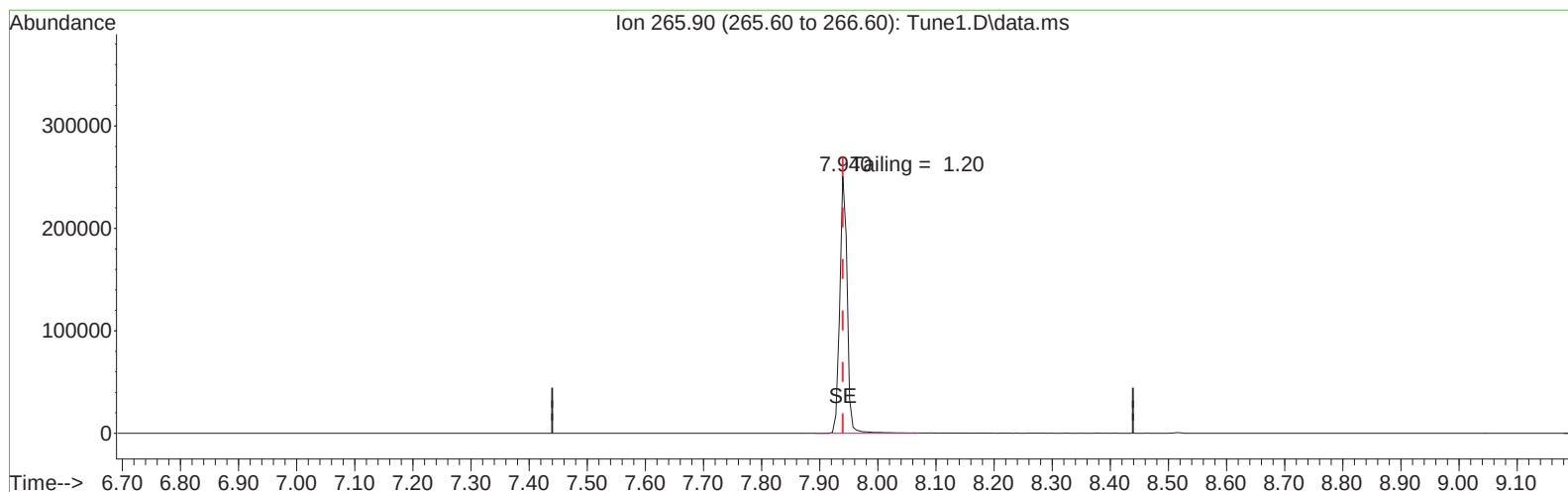
response 630873

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	71.30	66.95
165.10	47.10	49.07
199.10	16.40	16.17

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : Tune1.D
 Acq On : 17 Aug 2025 06:04 pm
 Operator : SV112:slr
 Sample : Tune Lot#11857
 Misc : WG2104073,,ical
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:07:37 2025
 Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 p
 Response via : Initial Calibration



(1) Pentachlorophenol (T)

7.940min (-0.000) 0.00

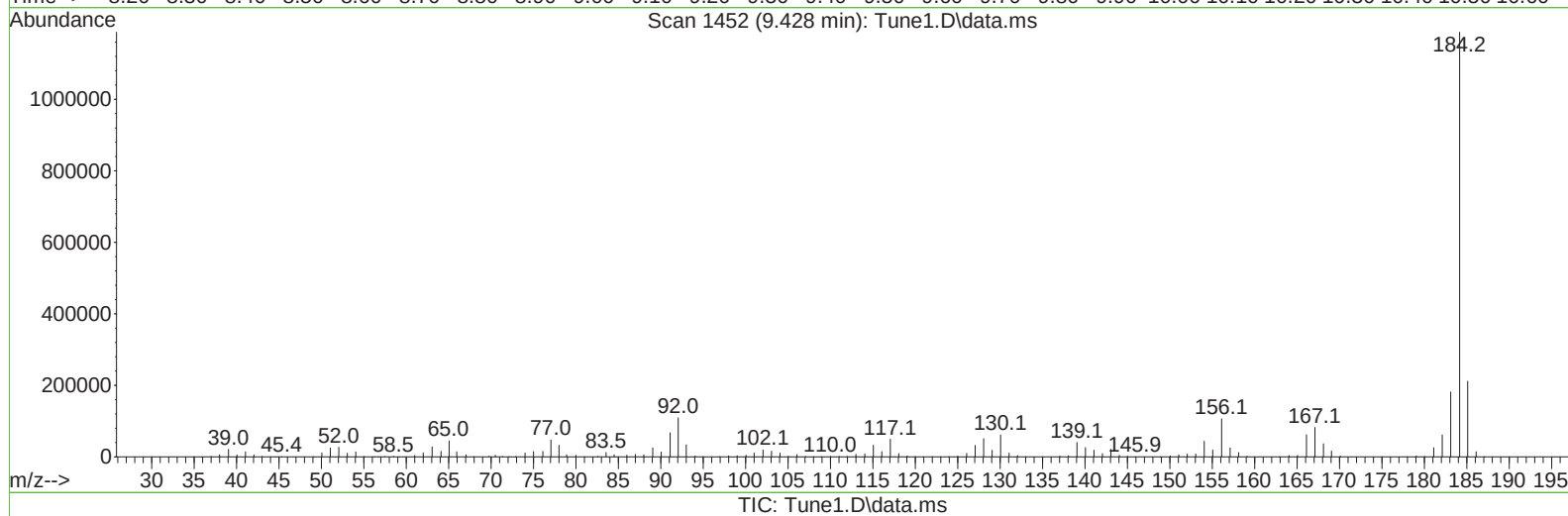
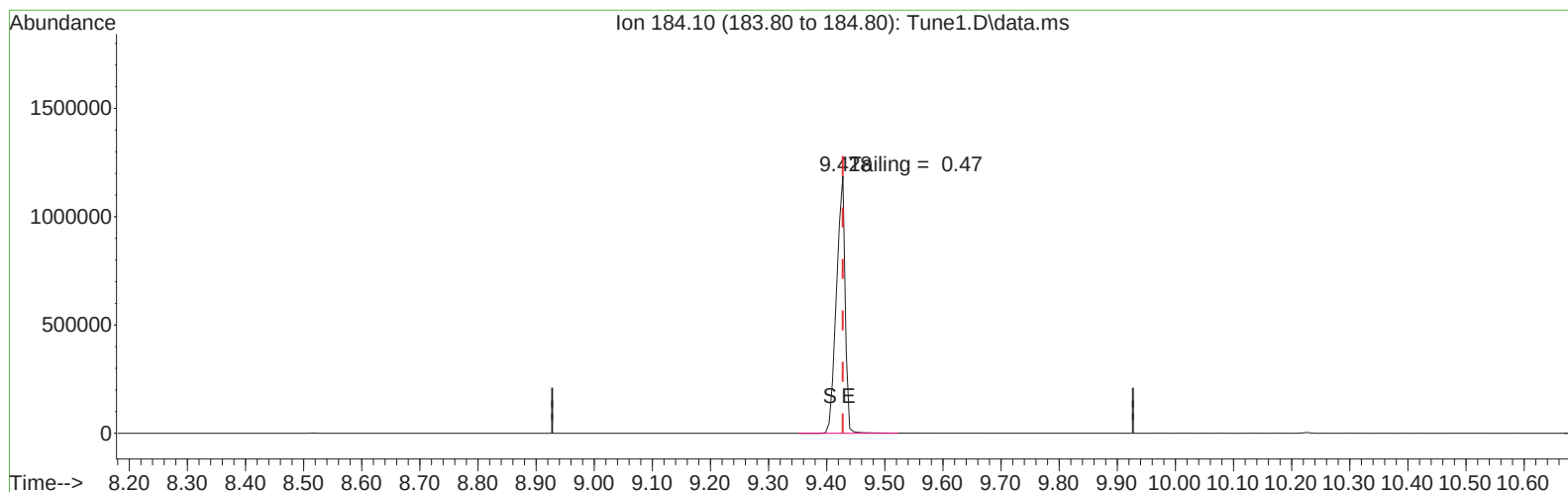
response 221456

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : Tune1.D
 Acq On : 17 Aug 2025 06:04 pm
 Operator : SV112:slr
 Sample : Tune Lot#11857
 Misc : WG2104073,,ical
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:07:37 2025
 Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 p
 Response via : Initial Calibration



(3) Benzidine (T)

9.428min (-0.000) 0.00

response 1231068

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL9.D
 Acq On : 17 Aug 2025 06:26 pm
 Operator : SV112:slr
 Sample : IL2,32,,ABNL50 Lot# 11871
 Misc : WG2104073,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	20157	4.000	ug/ml	# 0.00
Standard Area 1 = 18713			Recovery =	107.72%		
35) IS1_Naphthalene-d8	5.016	136	84529	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	110.77%		
63) IS1_Acenaphthene-d10	6.693	164	57488	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	111.54%		
88) IS1_Phenanthrene-d10	8.093	188	121482	4.000	ug/ml	0.01
Standard Area 1 = 112327			Recovery =	108.15%		
104) IS1_Chrysene-d12	10.616	240	128082	4.000	ug/ml	0.02
Standard Area 1 = 124647			Recovery =	102.76%		
113) IS1_Perylene-d12	11.975	264	140169	4.000	ug/ml	0.01
Standard Area 1 = 135022			Recovery =	103.81%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.393	112	325254	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.499	99	415178	0.000	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.334	82	408321	0.000	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.099	172	939770	0.000	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.451	330	218604	0.000	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.663	244	1407226	0.000	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.105	74	230710	No Calib		Qvalue
3) Pyridine	1.122	79	395083	No Calib		
5) Aniline	3.440	93	570469	No Calib		
6) 2-Chlorophenol	3.557	128	368394	No Calib		
8) Phenol	3.510	94	446623	No Calib		
9) Bis(2-chloroethyl)ether	3.552	93	347441	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	405192	No Calib		
11) 1,4-Dichlorobenzene	3.781	146	419862	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	406628	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL9.D
 Acq On : 17 Aug 2025 06:26 pm
 Operator : SV112:slr
 Sample : IL2,32,,ABNL50 Lot# 11871
 Misc : WG2104073,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.957	79	332367	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.110	45	562044	No	Calib	#
15)	2-Methylphenol	4.110	108	344154	No	Calib	
16)	Hexachloroethane	4.257	117	167441	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.240	70	304734	No	Calib	
18)	3-Methylphenol/4-Methy...	4.281	108	372046	No	Calib	
20)	Nitrobenzene	4.352	77	413000	No	Calib	
21)	Isophorone	4.610	82	812051	No	Calib	
22)	2-Nitrophenol	4.663	139	206693	No	Calib	
23)	2,4-Dimethylphenol	4.787	107	422277	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.869	93	501437	No	Calib	#
25)	2,4-Dichlorophenol	4.922	162	385960	No	Calib	
26)	1,2,4-Trichlorobenzene	4.981	180	417348	No	Calib	
36)	Naphthalene	5.034	128	1027359	No	Calib	#
37)	Benzoic Acid	5.016	105	337541	No	Calib	
38)	4-Chloroaniline	5.128	65	176848	No	Calib	
39)	Hexachlorobutadiene	5.199	225	281371	No	Calib	
40)	p-Chloro-m-cresol	5.651	107	399753	No	Calib	
41)	2-Methylnaphthalene	5.710	142	717689	No	Calib	
42)	1-Methylnaphthalene	5.804	115	299326	No	Calib	
43)	Hexachlorocyclopentadiene	5.887	237	389955	No	Calib	
44)	2,4,6-Trichlorophenol	6.010	196	347573	No	Calib	
45)	2,4,5-Trichlorophenol	6.040	196	361325	No	Calib	
47)	2-Chloronaphthalene	6.169	162	831044	No	Calib	
48)	2-Nitroaniline	6.304	138	294928	No	Calib	
49)	1,4-Dinitrobenzene	6.446	168	149707	No	Calib	
50)	1,3-Dinitrobenzene	6.516	168	169821	No	Calib	
51)	Dimethyl phthalate	6.534	163	1025924	No	Calib	
52)	Acenaphthylene	6.557	152	1246665	No	Calib	#
53)	2,6-Dinitrotoluene	6.557	165	259104	No	Calib	#
54)	1,2-Dinitrobenzene	6.598	168	105699	No	Calib	
64)	3-Nitroaniline	6.710	138	273288	No	Calib	
65)	Acenaphthene	6.728	154	762558	No	Calib	
66)	2,4-Dinitrophenol	6.804	184	160231	No	Calib	
67)	Dibenzofuran	6.898	168	1176284	No	Calib	
68)	2,4-Dinitrotoluene	6.940	165	347108	No	Calib	#
69)	4-Nitrophenol	6.934	65	230476	No	Calib	#
70)	2,3,5,6-Tetrachlorophenol	6.998	232	345787	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL9.D
 Acq On : 17 Aug 2025 06:26 pm
 Operator : SV112:slr
 Sample : IL2,32,,ABNL50 Lot# 11871
 Misc : WG2104073,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.040	232	337921	No	Calib	
72)	Diethyl phthalate	7.210	149	1109587	No	Calib	#
73)	Fluorene	7.222	166	993839	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.257	204	548677	No	Calib	#
75)	4-Nitroaniline	7.298	138	267020	No	Calib	#
76)	4,6-Dinitro-o-cresol	7.328	198	219817	No	Calib	#
77)	NDPA/DPA	7.387	169	882185	No	Calib	
78)	Azobenzene	7.404	77	975959	No	Calib	
80)	4-Bromophenyl phenyl e...	7.716	248	380568	No	Calib	#
81)	Hexachlorobenzene	7.745	284	438665	No	Calib	#
82)	Pentachlorophenol	7.945	266	304904	No	Calib	
89)	Phenanthrene	8.116	178	1438186	No	Calib	#
90)	Anthracene	8.163	178	1451658	No	Calib	#
91)	Carbazole	8.351	167	1414595	No	Calib	#
92)	Di-n-butylphthalate	8.775	149	1647576	No	Calib	#
93)	Fluoranthene	9.240	202	1699387	No	Calib	#
94)	Benzidine	9.428	184	1278579	No	Calib	
95)	Pyrene	9.445	202	1692419	No	Calib	#
97)	Butyl benzyl phthalate	10.187	149	898754	No	Calib	#
105)	Benzo(a)anthracene	10.604	228	1903995	No	Calib	#
106)	3,3'-Dichlorobenzidine	10.639	252	835279	No	Calib	
107)	Chrysene	10.645	228	1577231	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.798	149	1284159	No	Calib	#
109)	Di-n-octylphthalate	11.439	149	1959946	No	Calib	#
110)	Benzo(b)fluoranthene	11.639	252	2051959	No	Calib	
111)	Benzo(k)fluoranthene	11.669	252	1687823	No	Calib	
112)	Benzo(a)pyrene	11.934	252	1859745	No	Calib	
114)	Indeno(1,2,3-cd)pyrene	12.910	276	2151431	No	Calib	
115)	Dibenzo(a,h)anthracene	12.939	278	1846579	No	Calib	
116)	Benzo(ghi)perylene	13.116	276	1931458	No	Calib	#

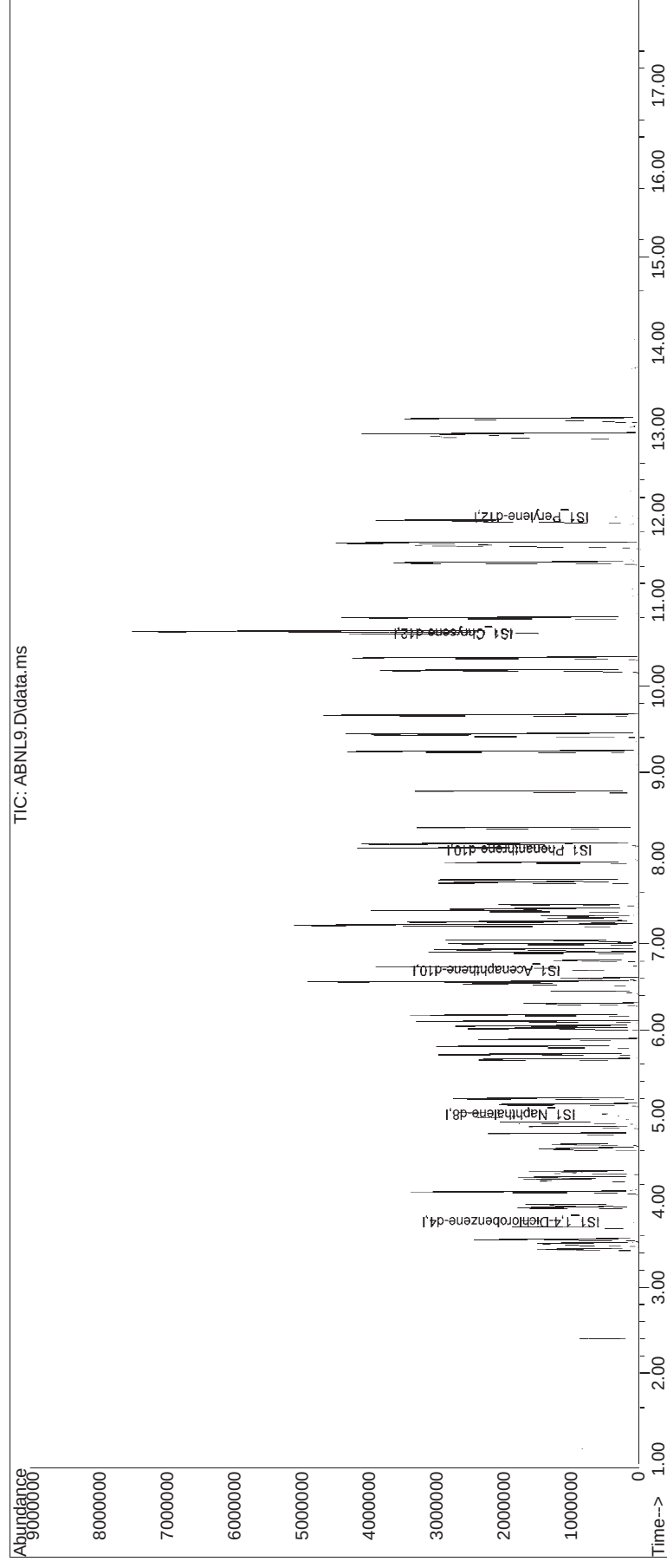
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL9.D
 Acq On : 17 Aug 2025 06:26 pm
 Operator : SV112:slr
 Sample : IL2,32,,ABNL50 Lot# 11871
 Misc : WG2104073,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 18 05:37:14 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

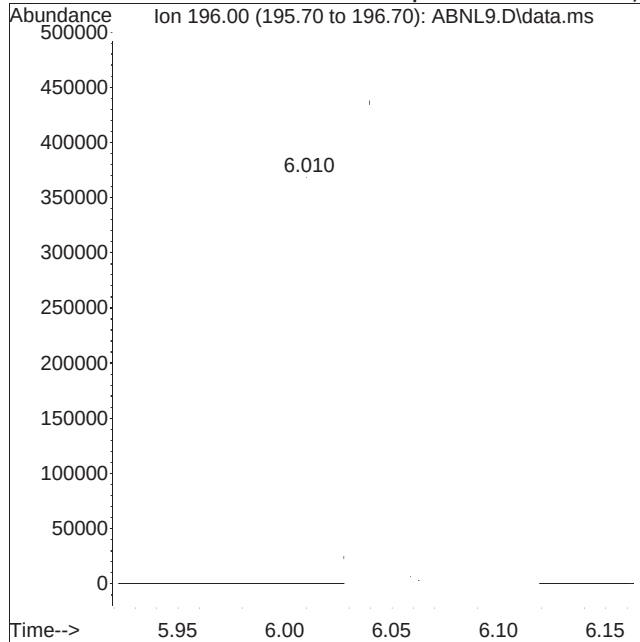
Sub List : ~~ABNL50~~SV112\250817RVTical\AP9L6.D•



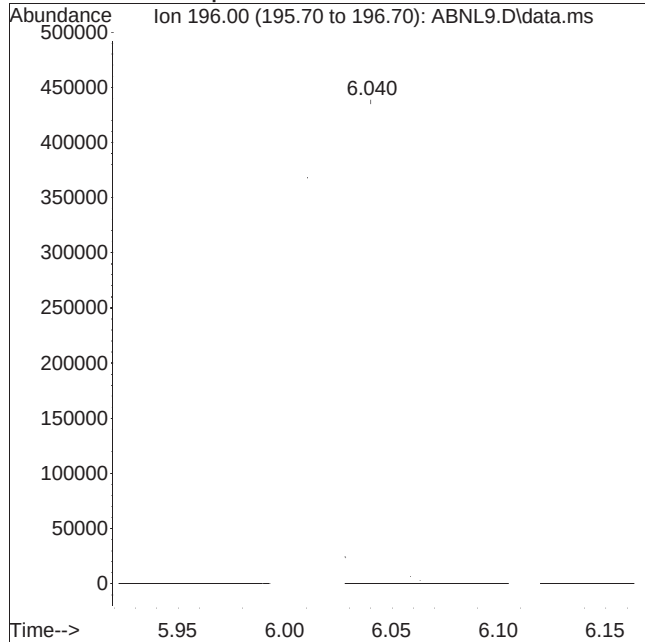
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 347573



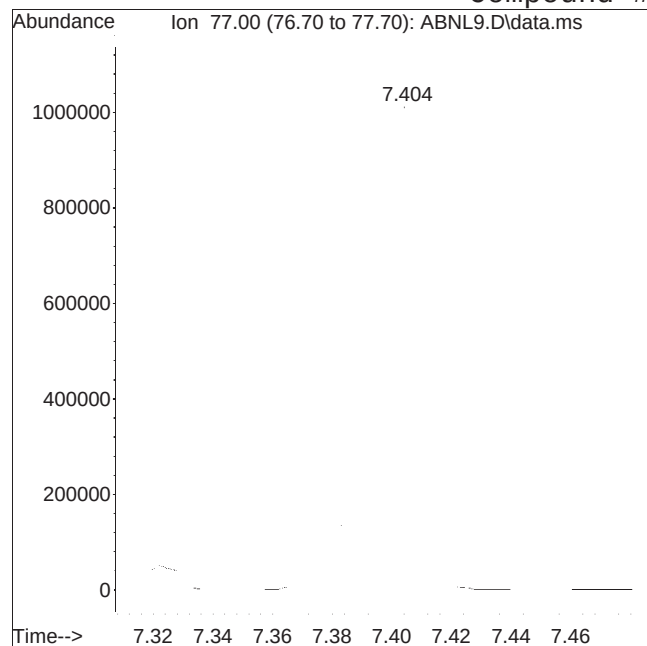
Manual Peak Response = 361325 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

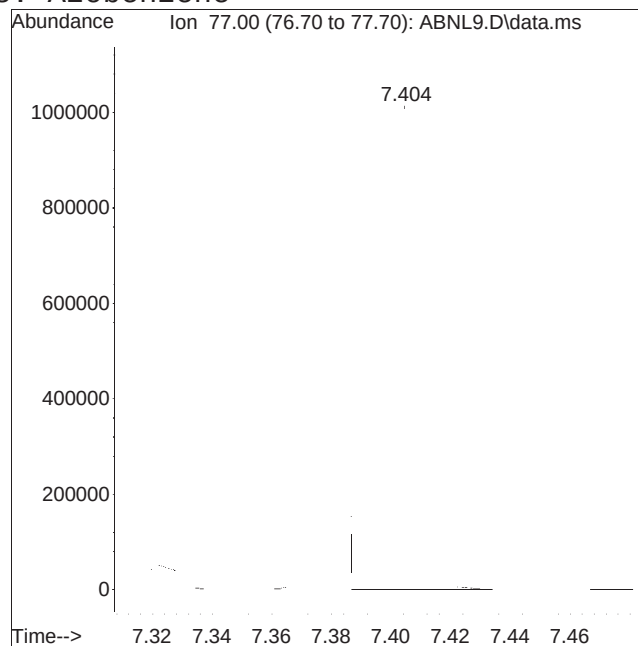
Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 1092713

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

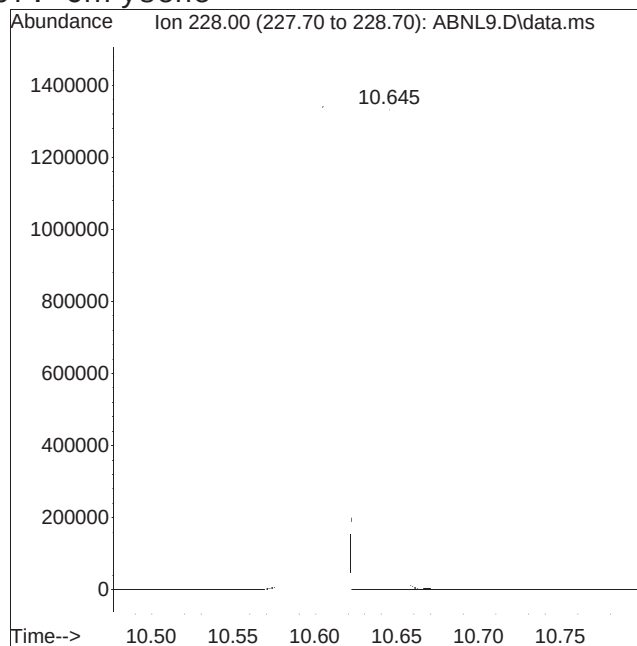
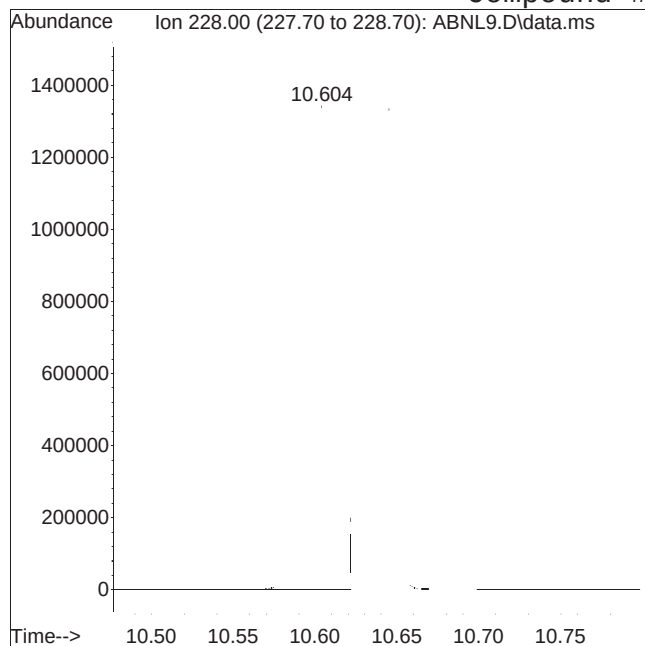


Manual Peak Response = 975959 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #107: Chrysene



Original Peak Response = 1903995

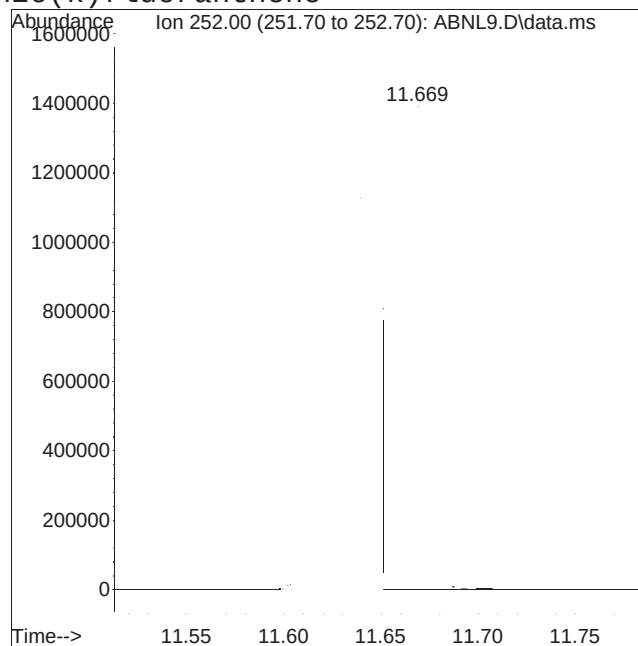
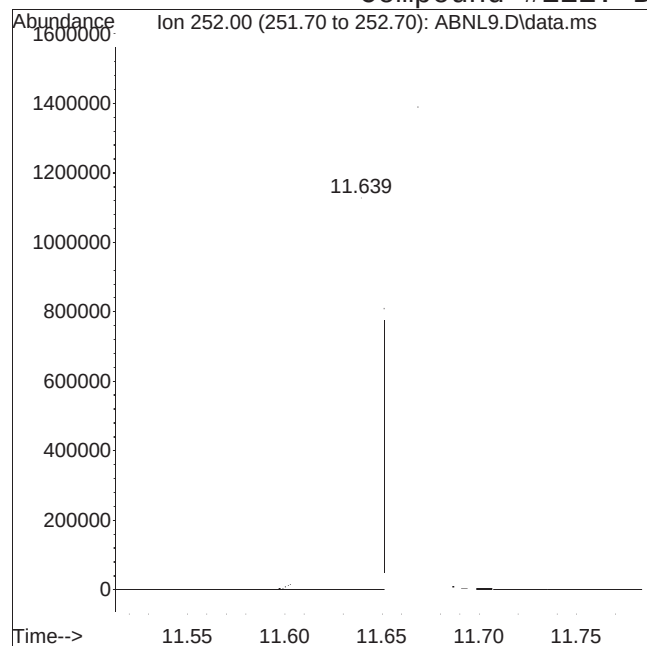
Manual Peak Response = 1577231 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 2051959

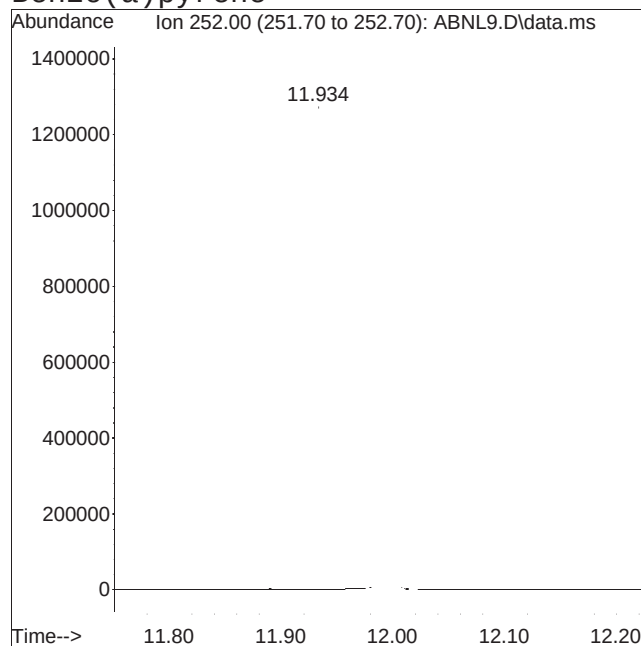
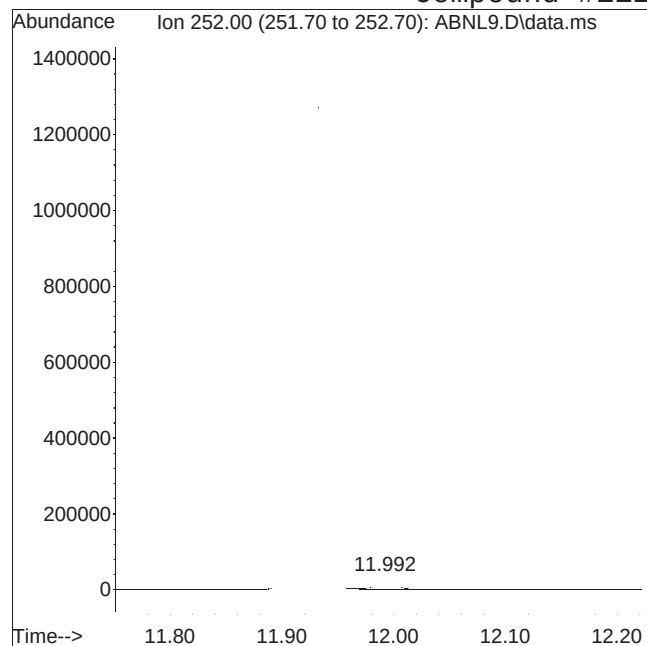
Manual Peak Response = 1687823 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:26 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11871 Quant Date : 8/18/2025 5:14 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 39746

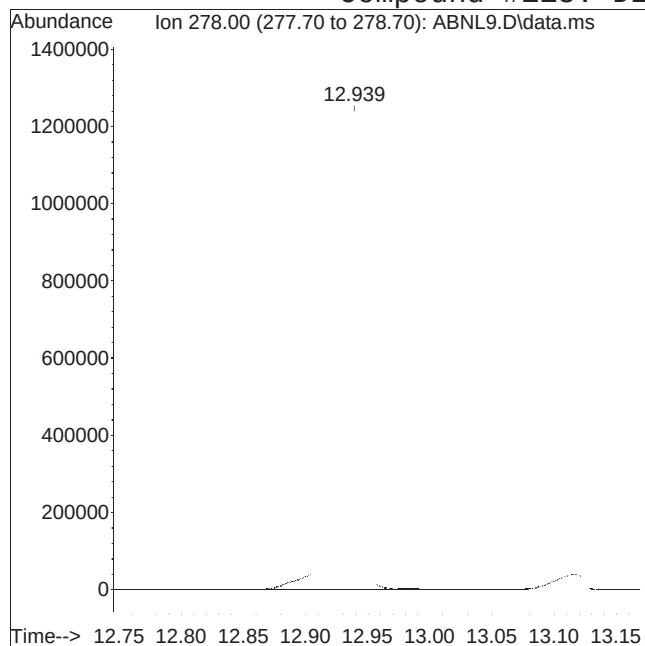
Manual Peak Response = 1859745 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

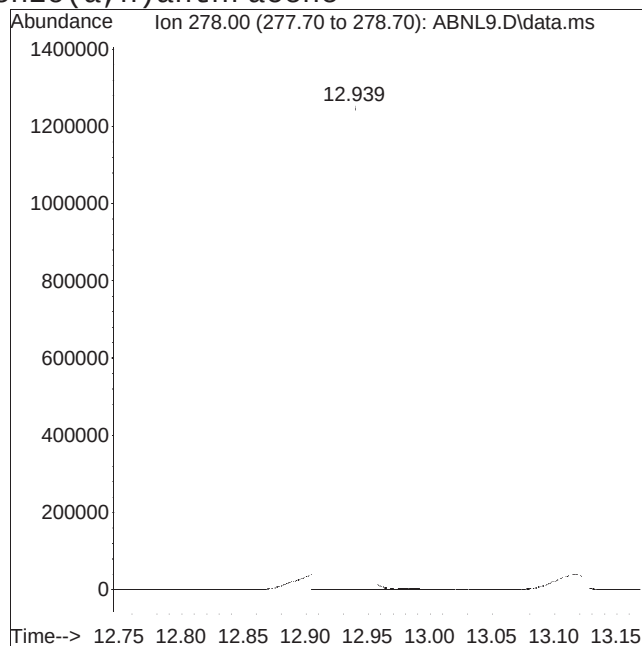
Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL9.D
Date Inj'd : 8/17/2025 6:26 pm
Sample : IL2,32,,ABNL50 Lot# 11871
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 1895209

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 1846579 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL8.D
 Acq On : 17 Aug 2025 06:49 pm
 Operator : SV112:slr
 Sample : IL3,32,,ABNL25 Lot# 11872
 Misc : WG2104073,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	20397	4.000	ug/ml	# 0.00
Standard Area 1 = 18713			Recovery =	109.00%		
35) IS1_Naphthalene-d8	5.010	136	86095	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	112.82%		
63) IS1_Acenaphthene-d10	6.693	164	57497	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	111.56%		
88) IS1_Phenanthrene-d10	8.087	188	121467	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	108.14%		
104) IS1_Chrysene-d12	10.604	240	130117	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	104.39%		
113) IS1_Perylene-d12	11.969	264	141180	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	104.56%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.387	112	166098	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.493	99	212754	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.328	82	206226	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.093	172	508716	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.445	330	105802	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.657	244	788533	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.105	74	116318	No Calib		Qvalue
3) Pyridine	1.122	79	198198	No Calib		
5) Aniline	3.440	93	293969	No Calib		
6) 2-Chlorophenol	3.552	128	187710	No Calib		
8) Phenol	3.505	94	230598	No Calib		
9) Bis(2-chloroethyl)ether	3.546	93	178652	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	208421	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	214316	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	208556	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL8.D
 Acq On : 17 Aug 2025 06:49 pm
 Operator : SV112:slr
 Sample : IL3,32,,ABNL25 Lot# 11872
 Misc : WG2104073,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.952	79	167338	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.104	45	296334	No	Calib	#
15)	2-Methylphenol	4.104	108	176739	No	Calib	
16)	Hexachloroethane	4.252	117	83857	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.228	70	153311	No	Calib	
18)	3-Methylphenol/4-Methy...	4.275	108	187758	No	Calib	
20)	Nitrobenzene	4.346	77	210512	No	Calib	
21)	Isophorone	4.599	82	416006	No	Calib	
22)	2-Nitrophenol	4.663	139	103505	No	Calib	
23)	2,4-Dimethylphenol	4.781	107	214180	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.863	93	255651	No	Calib	#
25)	2,4-Dichlorophenol	4.916	162	195292	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	210950	No	Calib	
36)	Naphthalene	5.034	128	564327	No	Calib	
37)	Benzoic Acid	4.969	105	163167	No	Calib	
38)	4-Chloroaniline	5.128	65	86642	No	Calib	
39)	Hexachlorobutadiene	5.199	225	141396	No	Calib	
40)	p-Chloro-m-cresol	5.651	107	201611	No	Calib	
41)	2-Methylnaphthalene	5.710	142	375500	No	Calib	
42)	1-Methylnaphthalene	5.798	115	148064	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	193631	No	Calib	
44)	2,4,6-Trichlorophenol	6.010	196	171028	No	Calib	
45)	2,4,5-Trichlorophenol	6.040	196	183355	No	Calib	
47)	2-Chloronaphthalene	6.163	162	440139	No	Calib	
48)	2-Nitroaniline	6.298	138	146112	No	Calib	
49)	1,4-Dinitrobenzene	6.440	168	72187	No	Calib	
50)	1,3-Dinitrobenzene	6.510	168	82349	No	Calib	
51)	Dimethyl phthalate	6.522	163	557296	No	Calib	
52)	Acenaphthylene	6.551	152	702628	No	Calib	
53)	2,6-Dinitrotoluene	6.551	165	127954	No	Calib	#
54)	1,2-Dinitrobenzene	6.587	168	51978	No	Calib	
64)	3-Nitroaniline	6.693	138	135964	No	Calib	
65)	Acenaphthene	6.722	154	402422	No	Calib	
66)	2,4-Dinitrophenol	6.798	184	75329	No	Calib	
67)	Dibenzofuran	6.893	168	650457	No	Calib	
68)	2,4-Dinitrotoluene	6.928	165	169712	No	Calib	#
69)	4-Nitrophenol	6.922	65	114461	No	Calib	
70)	2,3,5,6-Tetrachlorophenol	6.993	232	170974	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL8.D
 Acq On : 17 Aug 2025 06:49 pm
 Operator : SV112:slr
 Sample : IL3,32,,ABNL25 Lot# 11872
 Misc : WG2104073,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.034	232	165864	No	Calib	
72)	Diethyl phthalate	7.204	149	593583	No	Calib	
73)	Fluorene	7.216	166	537741	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.251	204	277056	No	Calib	#
75)	4-Nitroaniline	7.281	138	132249	No	Calib	
76)	4,6-Dinitro-o-cresol	7.310	198	106188	No	Calib	#
77)	NDPA/DPA	7.375	169	461570	No	Calib	
78)	Azobenzene	7.398	77	520256	No	Calib	
80)	4-Bromophenyl phenyl e...	7.710	248	190663	No	Calib	
81)	Hexachlorobenzene	7.740	284	219261	No	Calib	#
82)	Pentachlorophenol	7.940	266	147263	No	Calib	
89)	Phenanthrene	8.110	178	816324	No	Calib	
90)	Anthracene	8.157	178	825788	No	Calib	
91)	Carbazole	8.340	167	783509	No	Calib	
92)	Di-n-butylphthalate	8.769	149	972531	No	Calib	
93)	Fluoranthene	9.234	202	981094	No	Calib	
94)	Benzidine	9.416	184	694998	No	Calib	
95)	Pyrene	9.439	202	997772	No	Calib	
97)	Butyl benzyl phthalate	10.181	149	473012	No	Calib	
105)	Benzo(a)anthracene	10.598	228	1090479	No	Calib	
106)	3,3'-Dichlorobenzidine	10.628	252	444553	No	Calib	
107)	Chrysene	10.634	228	923284	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.792	149	703302	No	Calib	#
109)	Di-n-octylphthalate	11.434	149	1138502	No	Calib	
110)	Benzo(b)fluoranthene	11.628	252	1060154	No	Calib	
111)	Benzo(k)fluoranthene	11.657	252	1022449	No	Calib	
112)	Benzo(a)pyrene	11.922	252	1023108	No	Calib	
114)	Indeno(1,2,3-cd)pyrene	12.892	276	1070131	No	Calib	
115)	Dibenzo(a,h)anthracene	12.928	278	990695	No	Calib	
116)	Benzo(ghi)perylene	13.104	276	1018947	No	Calib	

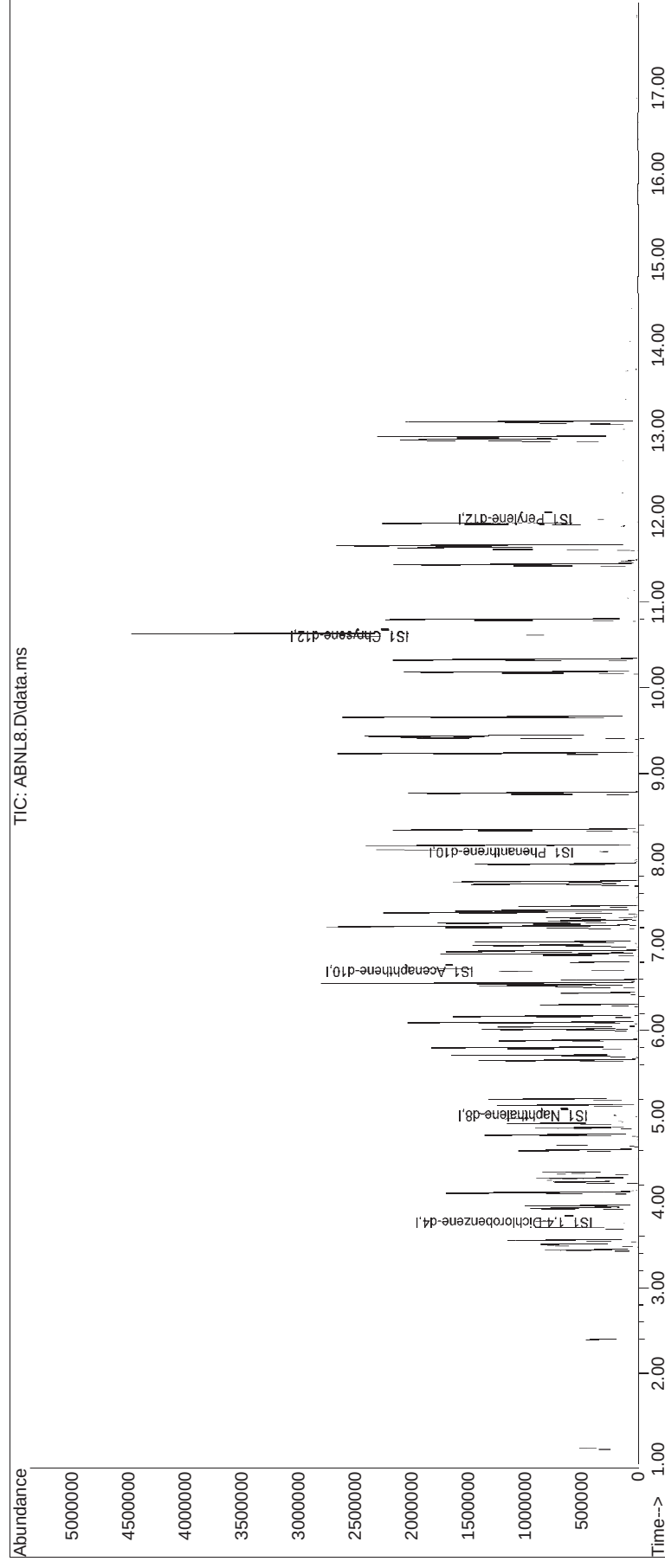
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL8.D
 Acq On : 17 Aug 2025 06:49 pm
 Operator : SV112:slr
 Sample : IL3,32,,ABNL25 Lot# 11872
 Misc : WG2104073,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 05:36:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

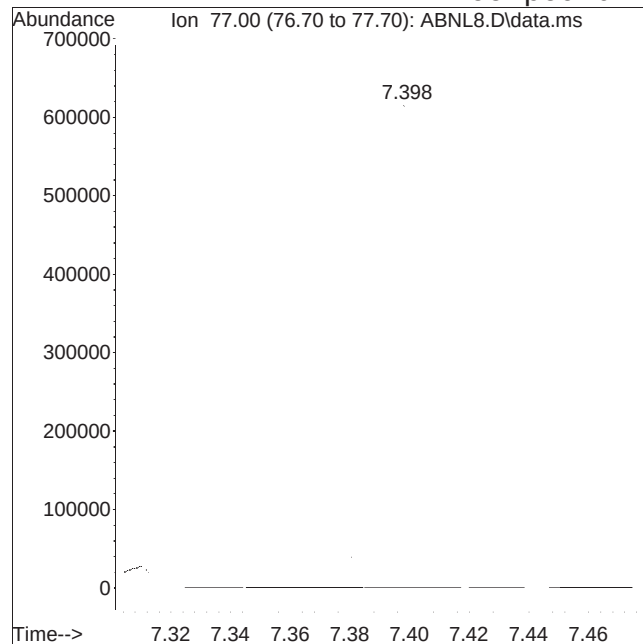
Sub List : ~~ABNL8\8270\SV112\250817RVTical\AP9L6.D~~



Manual Integration Report

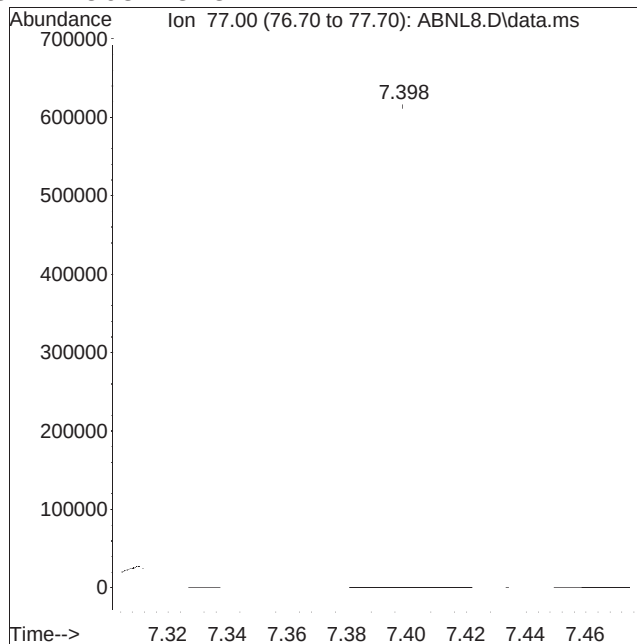
Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:49 pm Instrument : SV112
Sample : IL3, 32,, ABNL25 Lot# 11872 Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 578247

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

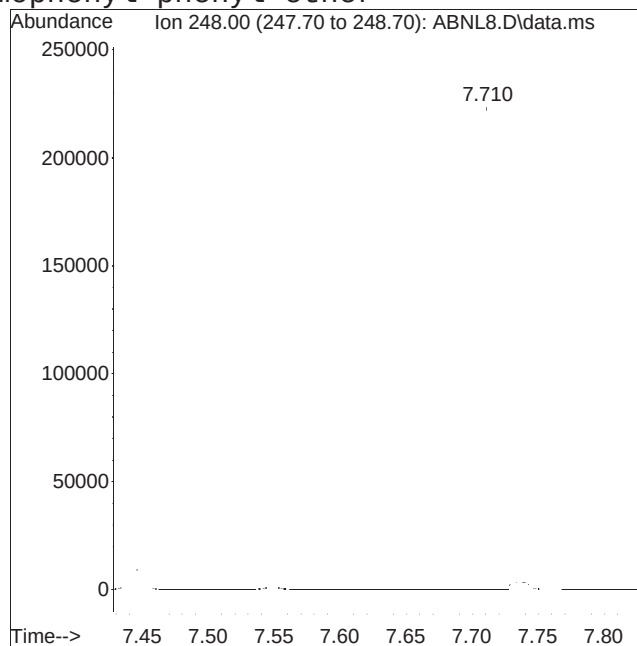
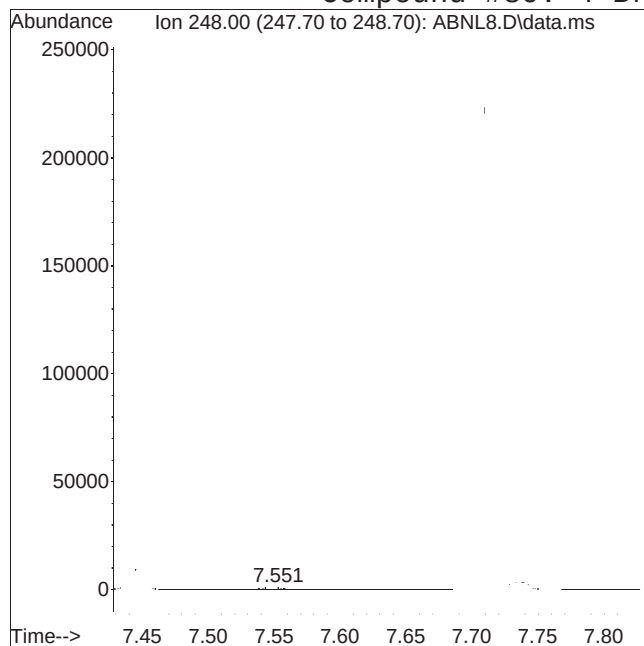


Manual Peak Response = 520256 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:49 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11872 Quant Date : 8/18/2025 5:14 am

Compound #80: 4-Bromophenyl phenyl ether



Original Peak Response = 1228

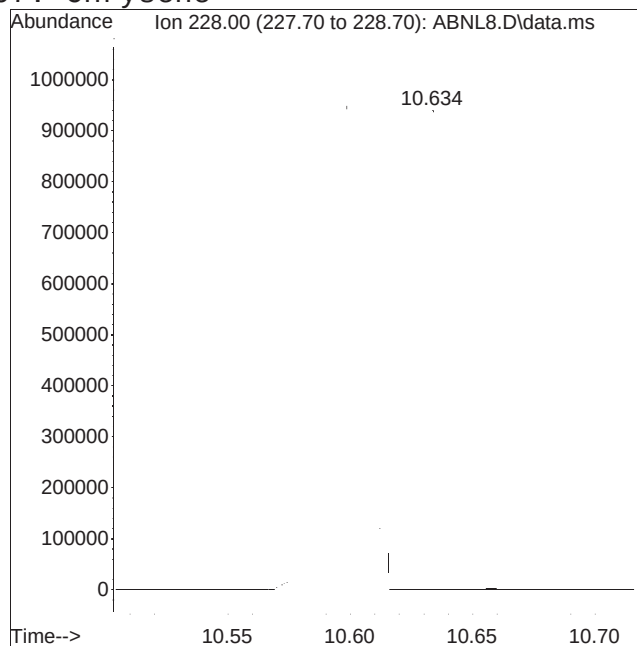
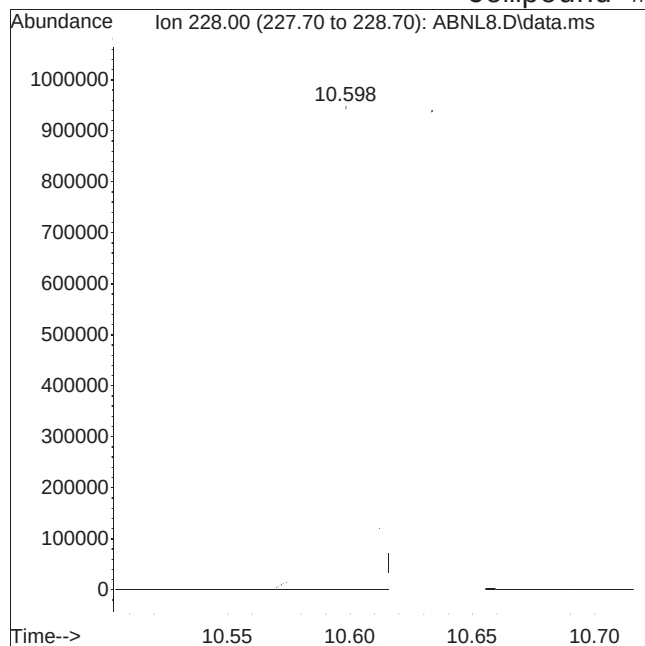
Manual Peak Response = 190663 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms Method : FS250817SV112RVT.m
Data File : ABNL8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:49 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11872 Quant Date : 8/18/2025 5:14 am

Compound #107: Chrysene



Original Peak Response = 1090479

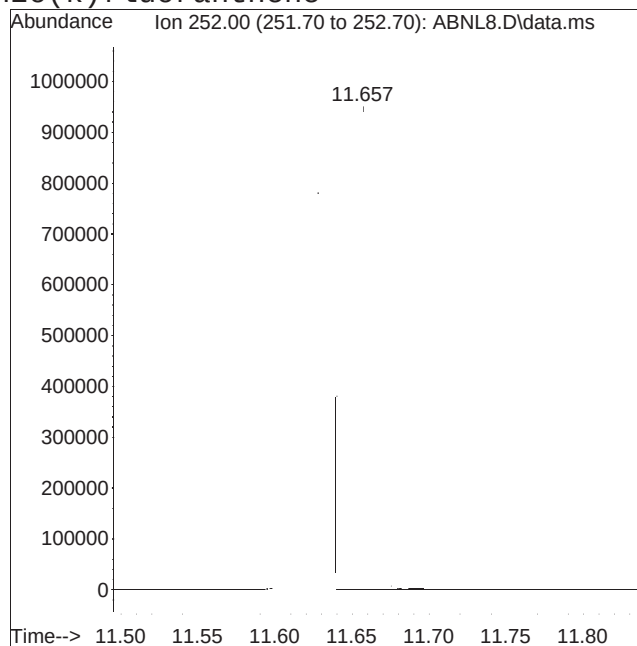
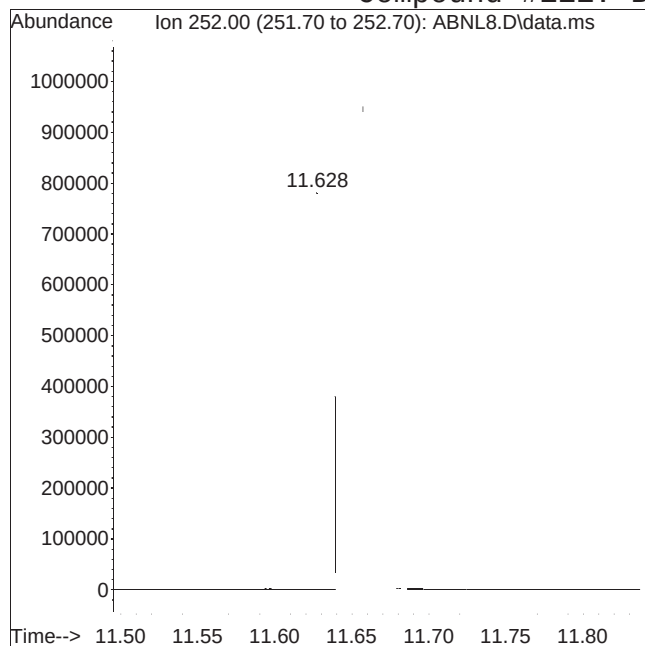
Manual Peak Response = 923284 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 6:49 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 11872 Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 1060154

Manual Peak Response = 1022449 M3

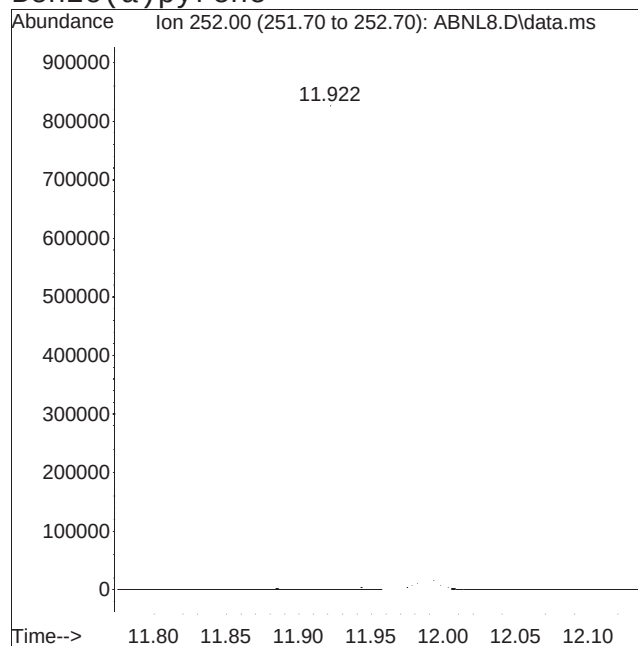
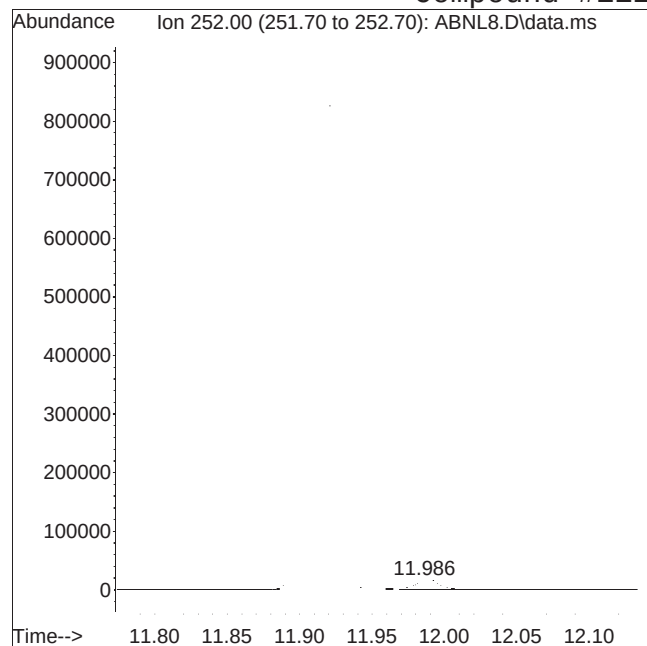
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL8.D
Date Inj'd : 8/17/2025 6:49 pm
Sample : IL3,32,,ABNL25 Lot# 11872

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 18960

Manual Peak Response = 1023108 M2

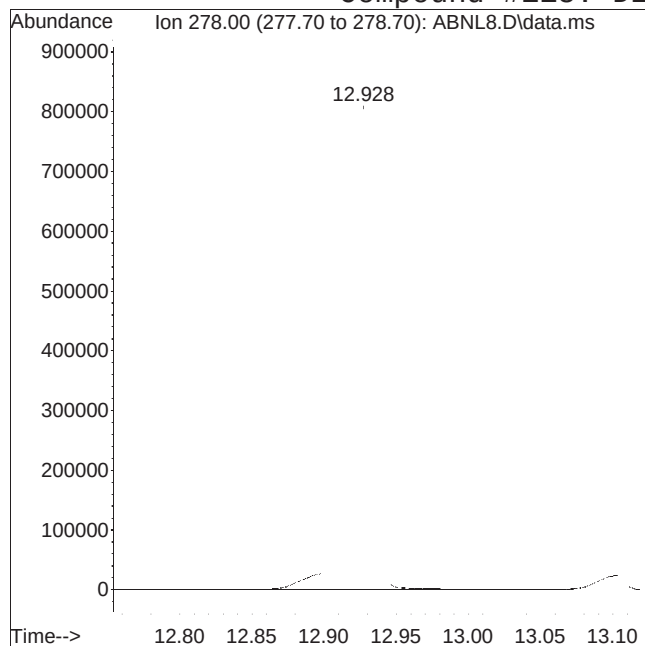
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL8.D
Date Inj'd : 8/17/2025 6:49 pm
Sample : IL3,32,,ABNL25 Lot# 11872

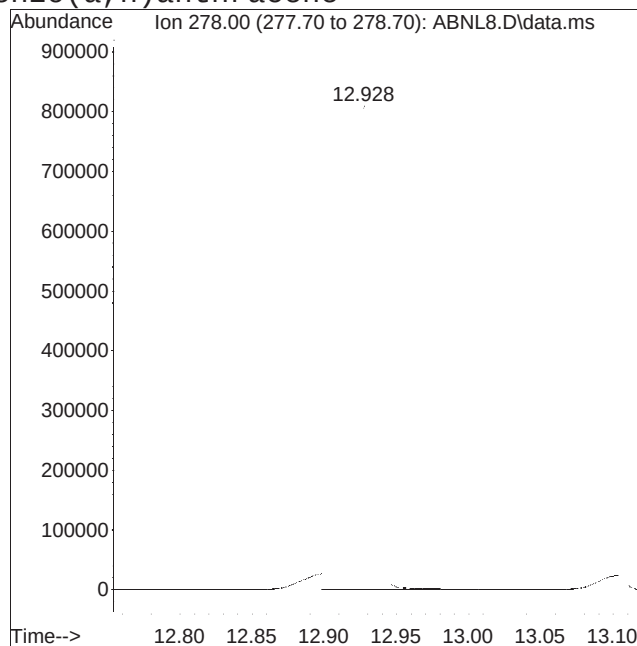
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 1023938

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 990695 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL7.D
 Acq On : 17 Aug 2025 07:12 pm
 Operator : SV112:slr
 Sample : IL4,32,,ABNL10 Lot# 11873
 Misc : WG2104073,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.758	152	20125	4.000	ug/ml	# 0.00
Standard Area 1 = 18713			Recovery =	107.55%		
35) IS1_Naphthalene-d8	5.011	136	83244	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	109.09%		
63) IS1_Acenaphthene-d10	6.687	164	55486	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	107.66%		
88) IS1_Phenanthrene-d10	8.087	188	119386	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	106.28%		
104) IS1_Chrysene-d12	10.604	240	129022	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	103.51%		
113) IS1_Perylene-d12	11.963	264	142170	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	105.29%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.387	112	69910	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.487	99	91502	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.322	82	86853	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	226034	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.446	330	43358	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.657	244	372483	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.105	74	49778	No Calib		
3) Pyridine	1.122	79	88188	No Calib		
5) Aniline	3.434	93	127103	No Calib		
6) 2-Chlorophenol	3.552	128	81472	No Calib		
8) Phenol	3.499	94	99314	No Calib		
9) Bis(2-chloroethyl)ether	3.546	93	78272	No Calib #		
10) 1,3-Dichlorobenzene	3.699	146	91421	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	92983	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	90874	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL7.D
 Acq On : 17 Aug 2025 07:12 pm
 Operator : SV112:slr
 Sample : IL4,32,,ABNL10 Lot# 11873
 Misc : WG2104073,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.946	79	71171	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.105	45	131180	No	Calib	#
15)	2-Methylphenol	4.105	108	73655	No	Calib	
16)	Hexachloroethane	4.252	117	35633	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.228	70	65813	No	Calib	
18)	3-Methylphenol/4-Methy...	4.269	108	80810	No	Calib	
20)	Nitrobenzene	4.340	77	91205	No	Calib	
21)	Isophorone	4.599	82	180096	No	Calib	
22)	2-Nitrophenol	4.663	139	42624	No	Calib	
23)	2,4-Dimethylphenol	4.781	107	93046	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.858	93	112209	No	Calib	#
25)	2,4-Dichlorophenol	4.911	162	82176	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	90920	No	Calib	
36)	Naphthalene	5.028	128	255240	No	Calib	
37)	Benzoic Acid	4.922	105	61247	No	Calib	
38)	4-Chloroaniline	5.122	65	38051	No	Calib	
39)	Hexachlorobutadiene	5.199	225	60056	No	Calib	
40)	p-Chloro-m-cresol	5.646	107	87652	No	Calib	
41)	2-Methylnaphthalene	5.710	142	166029	No	Calib	
42)	1-Methylnaphthalene	5.799	115	64844	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	79780	No	Calib	
44)	2,4,6-Trichlorophenol	6.010	196	71967	No	Calib	
45)	2,4,5-Trichlorophenol	6.034	196	78126	No	Calib	
47)	2-Chloronaphthalene	6.163	162	193127	No	Calib	
48)	2-Nitroaniline	6.293	138	60512	No	Calib	
49)	1,4-Dinitrobenzene	6.434	168	29673	No	Calib	
50)	1,3-Dinitrobenzene	6.505	168	34378	No	Calib	
51)	Dimethyl phthalate	6.516	163	252759	No	Calib	
52)	Acenaphthylene	6.546	152	324266	No	Calib	
53)	2,6-Dinitrotoluene	6.546	165	50865	No	Calib	#
54)	1,2-Dinitrobenzene	6.581	168	21932	No	Calib	
64)	3-Nitroaniline	6.687	138	58065	No	Calib	#
65)	Acenaphthene	6.716	154	179281	No	Calib	
66)	2,4-Dinitrophenol	6.793	184	30265	No	Calib	
67)	Dibenzofuran	6.887	168	298714	No	Calib	
68)	2,4-Dinitrotoluene	6.922	165	73714	No	Calib	#
69)	4-Nitrophenol	6.916	65	51398	No	Calib	#
70)	2,3,5,6-Tetrachlorophenol	6.993	232	71041	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL7.D
 Acq On : 17 Aug 2025 07:12 pm
 Operator : SV112:slr
 Sample : IL4,32,,ABNL10 Lot# 11873
 Misc : WG2104073,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	69864	No	Calib	
72)	Diethyl phthalate	7.199	149	264215	No	Calib	
73)	Fluorene	7.210	166	241463	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.252	204	123496	No	Calib	#
75)	4-Nitroaniline	7.269	138	57626	No	Calib	
76)	4,6-Dinitro-o-cresol	7.305	198	42596	No	Calib	#
77)	NDPA/DPA	7.369	169	207083	No	Calib	
78)	Azobenzene	7.393	77	230691	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	85914	No	Calib	#
81)	Hexachlorobenzene	7.734	284	96911	No	Calib	#
82)	Pentachlorophenol	7.940	266	60064	No	Calib	
89)	Phenanthrene	8.104	178	382697	No	Calib	
90)	Anthracene	8.152	178	391763	No	Calib	
91)	Carbazole	8.340	167	362206	No	Calib	
92)	Di-n-butylphthalate	8.769	149	456235	No	Calib	
93)	Fluoranthene	9.228	202	477312	No	Calib	
94)	Benzidine	9.416	184	313579	No	Calib	#
95)	Pyrene	9.434	202	486317	No	Calib	
97)	Butyl benzyl phthalate	10.181	149	205779	No	Calib	
105)	Benzo(a)anthracene	10.593	228	506022	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	202300	No	Calib	#
107)	Chrysene	10.628	228	461368	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	310847	No	Calib	
109)	Di-n-octylphthalate	11.428	149	526661	No	Calib	
110)	Benzo(b)fluoranthene	11.622	252	504148	No	Calib	#
111)	Benzo(k)fluoranthene	11.651	252	492970	No	Calib	
112)	Benzo(a)pyrene	11.910	252	477527	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.887	276	495626	No	Calib	
115)	Dibenzo(a,h)anthracene	12.916	278	469544	No	Calib	
116)	Benzo(ghi)perylene	13.087	276	472779	No	Calib	

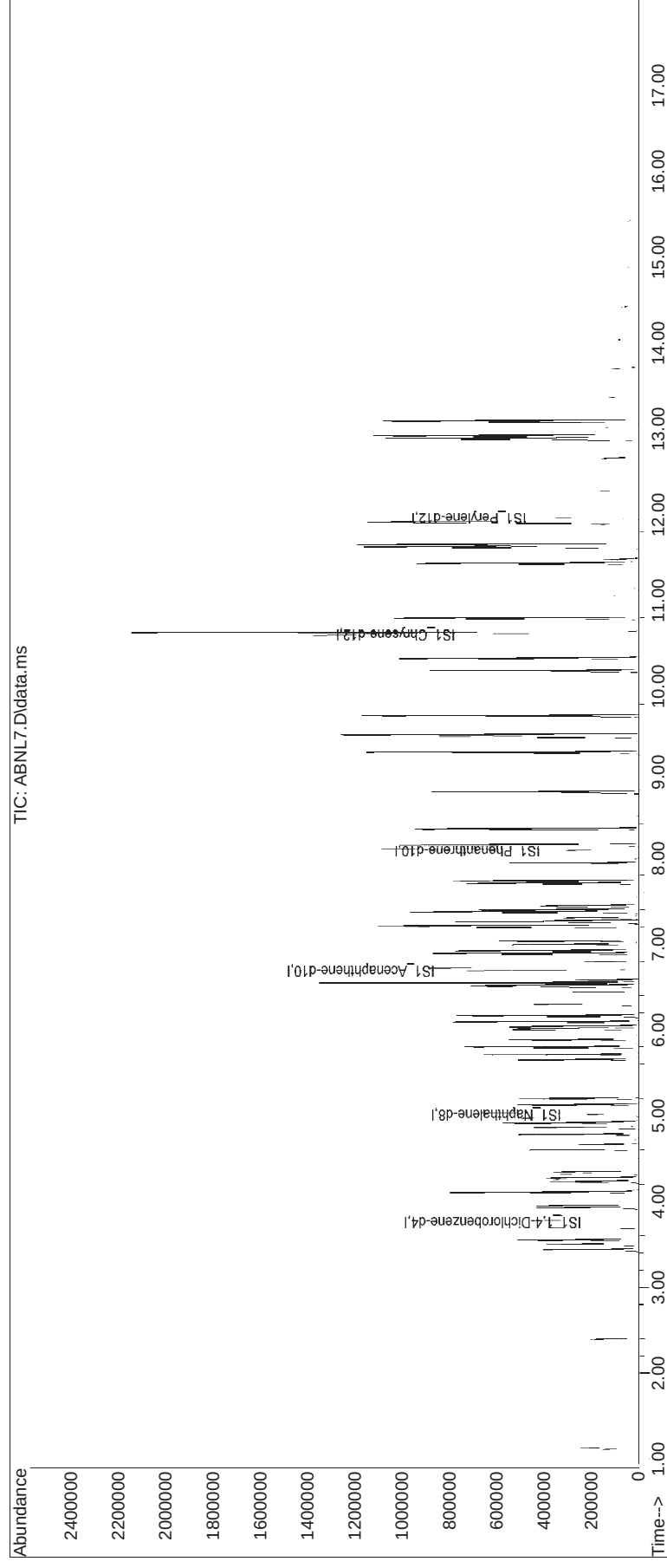
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL7.D
 Acq On : 17 Aug 2025 07:12 pm
 Operator : SV112:slr
 Sample : IL4,32,,ABNL10 Lot# 11873
 Misc : WG2104073,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 18 05:35:00 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

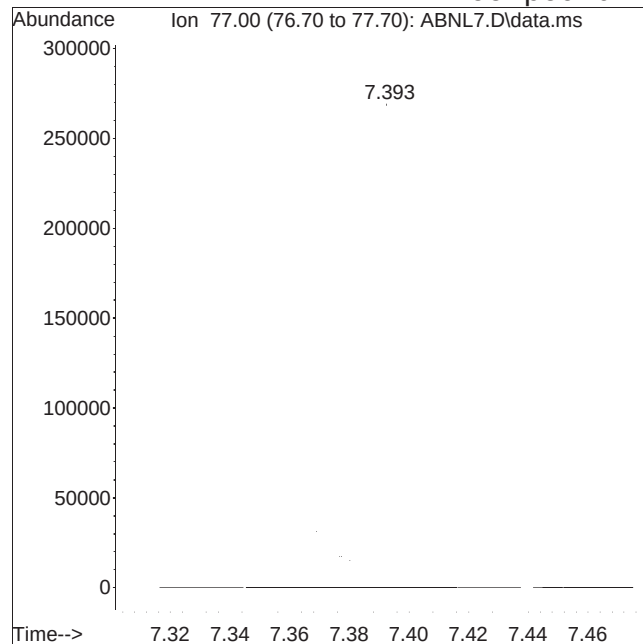
Sub List : ~~ABNL7.D~~ 8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

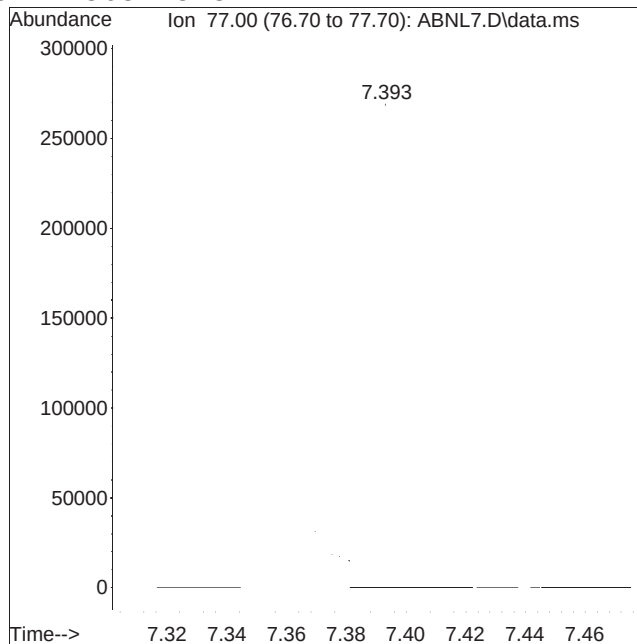
Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:12 pm Instrument : SV112
Sample : IL4, 32,, ABNL10 Lot# 11873 Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 259425

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

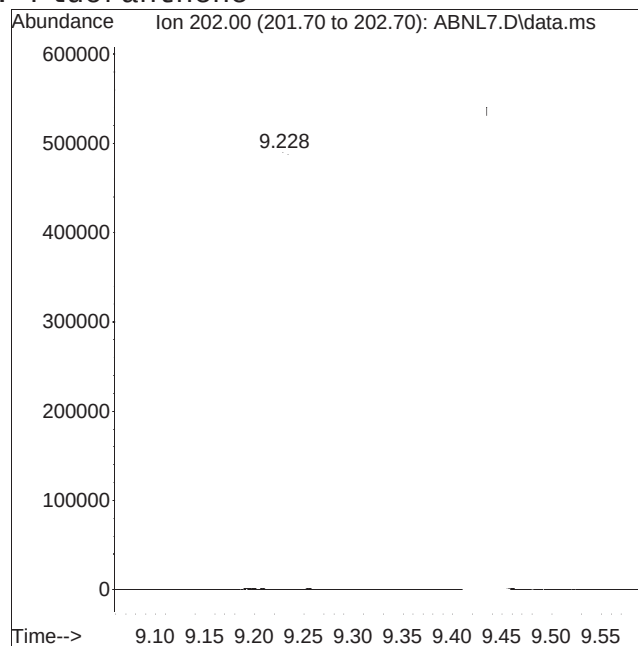
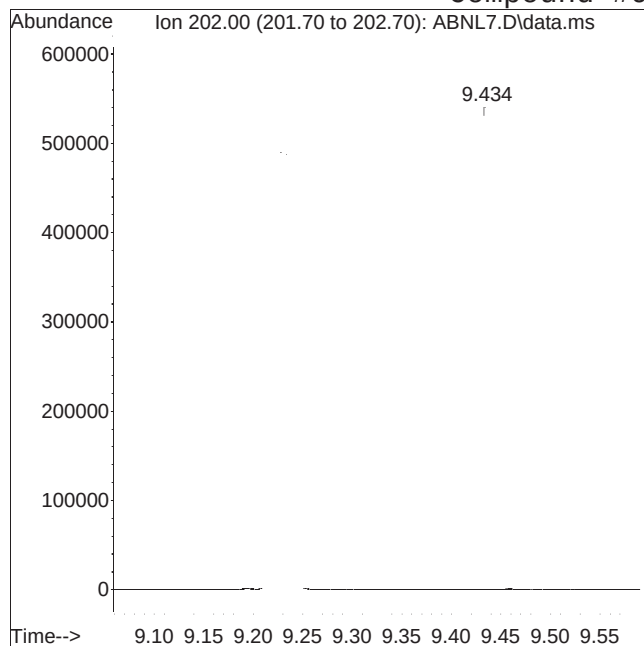


Manual Peak Response = 230691 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:12 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11873 Quant Date : 8/18/2025 5:14 am

Compound #93: Fluoranthene



Original Peak Response = 485517

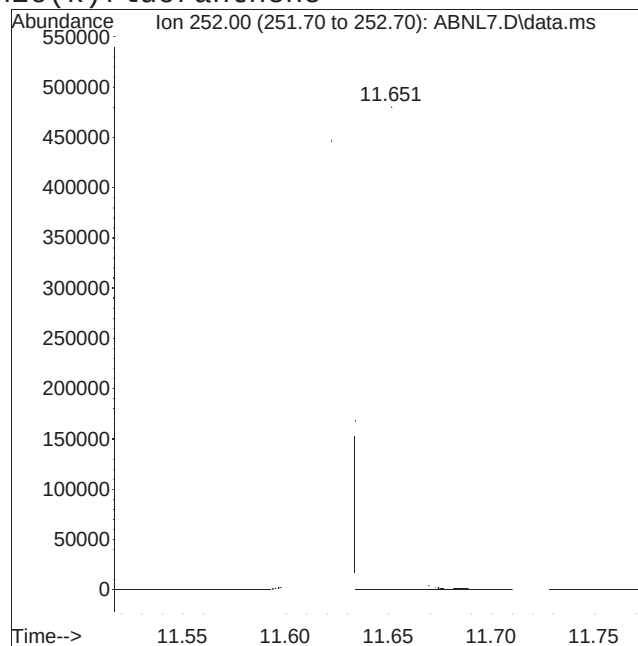
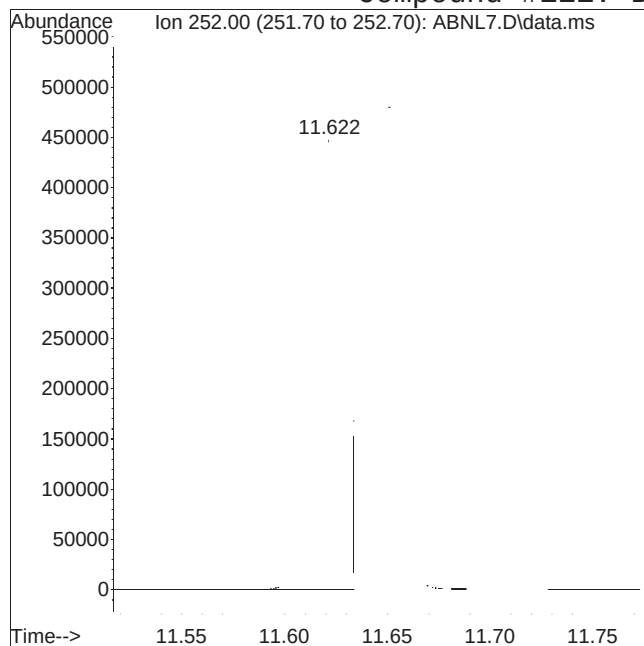
Manual Peak Response = 477312 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:12 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11873 Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 504148

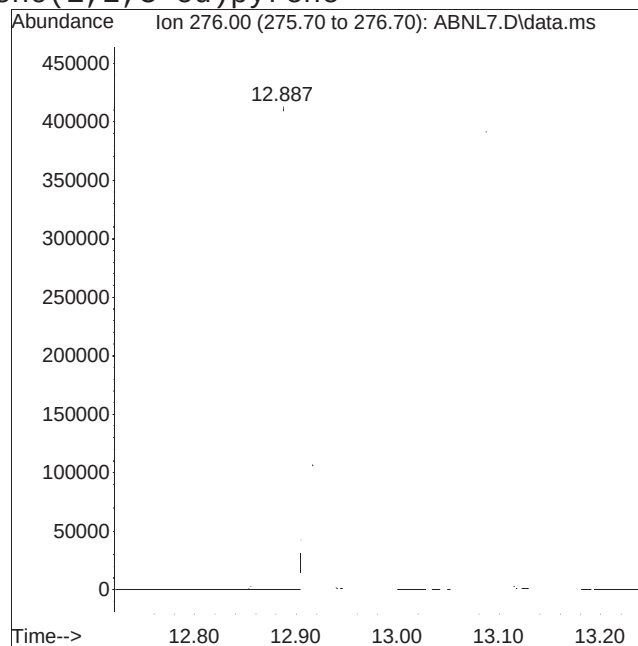
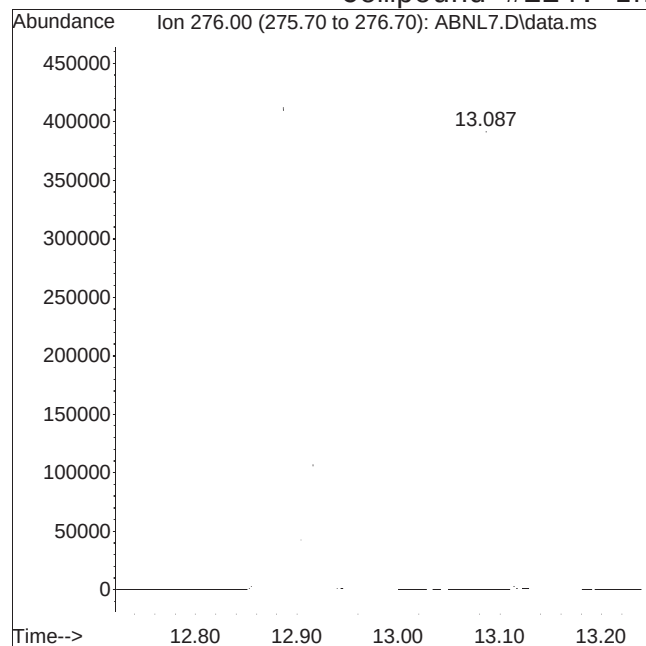
Manual Peak Response = 492970 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:12 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11873 Quant Date : 8/18/2025 5:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 471023

Manual Peak Response = 495626 M3

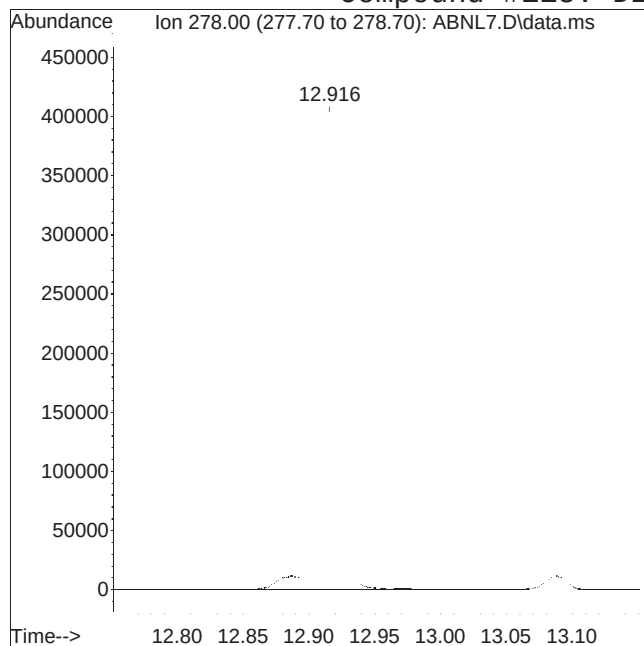
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL7.D
Date Inj'd : 8/17/2025 7:12 pm
Sample : IL4,32,,ABNL10 Lot# 11873

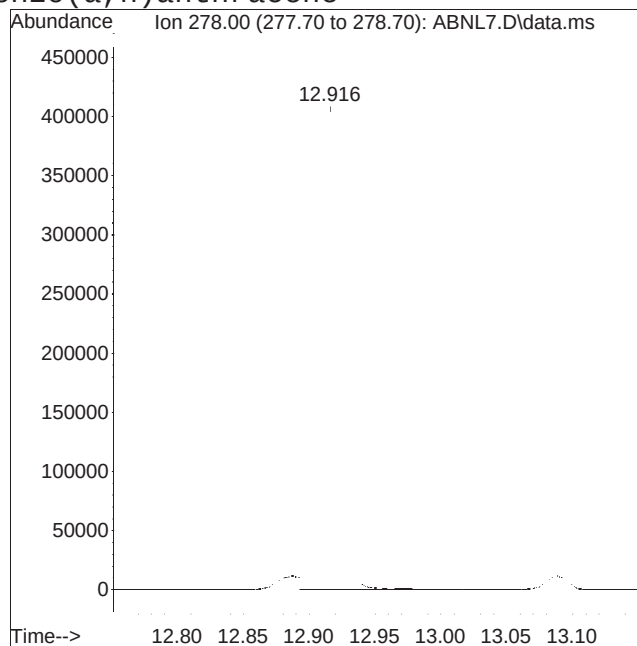
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 485315

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 469544 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL6.D
 Acq On : 17 Aug 2025 07:34 pm
 Operator : SV112:slr
 Sample : IL5,32,,ABNL5 Lot# 11874
 Misc : WG2104073,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	18713	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	100.00%		
35) IS1_Naphthalene-d8	5.010	136	76311	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	100.00%		
63) IS1_Acenaphthene-d10	6.687	164	51538	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	100.00%		
88) IS1_Phenanthrene-d10	8.081	188	112327	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	100.00%		
104) IS1_Chrysene-d12	10.598	240	124647	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	100.00%		
113) IS1_Perylene-d12	11.963	264	135022	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	100.00%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.393	112	29089	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.487	99	38345	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.322	82	35742	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	98945	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.440	330	17746	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.651	244	166355	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.105	74	20635	No Calib	#	Qvalue
3) Pyridine	1.128	79	32541	No Calib		
5) Aniline	3.434	93	52626	No Calib		
6) 2-Chlorophenol	3.552	128	34547	No Calib		
8) Phenol	3.499	94	41277	No Calib		
9) Bis(2-chloroethyl)ether	3.546	93	33512	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	39438	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	40692	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	39473	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL6.D
 Acq On : 17 Aug 2025 07:34 pm
 Operator : SV112:slr
 Sample : IL5,32,,ABNL5 Lot# 11874
 Misc : WG2104073,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.946	79	28865	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.105	45	54741	No	Calib	#
15)	2-Methylphenol	4.105	108	30628	No	Calib	
16)	Hexachloroethane	4.252	117	15054	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.228	70	26907	No	Calib	
18)	3-Methylphenol/4-Methy...	4.269	108	33061	No	Calib	
20)	Nitrobenzene	4.340	77	36708	No	Calib	
21)	Isophorone	4.599	82	75426	No	Calib	
22)	2-Nitrophenol	4.663	139	16596	No	Calib	
23)	2,4-Dimethylphenol	4.775	107	38463	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.858	93	47250	No	Calib	
25)	2,4-Dichlorophenol	4.910	162	34276	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	38690	No	Calib	
36)	Naphthalene	5.028	128	109202	No	Calib	
37)	Benzoic Acid	4.899	105	21211	No	Calib	
38)	4-Chloroaniline	5.122	65	15154	No	Calib	
39)	Hexachlorobutadiene	5.199	225	25840	No	Calib	
40)	p-Chloro-m-cresol	5.646	107	35064	No	Calib	
41)	2-Methylnaphthalene	5.705	142	70152	No	Calib	
42)	1-Methylnaphthalene	5.799	115	27180	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	31700	No	Calib	
44)	2,4,6-Trichlorophenol	6.010	196	29077	No	Calib	
45)	2,4,5-Trichlorophenol	6.034	196	32896	No	Calib	
47)	2-Chloronaphthalene	6.163	162	82550	No	Calib	
48)	2-Nitroaniline	6.293	138	22992	No	Calib	
49)	1,4-Dinitrobenzene	6.428	168	11715	No	Calib	
50)	1,3-Dinitrobenzene	6.505	168	13263	No	Calib	
51)	Dimethyl phthalate	6.510	163	109370	No	Calib	
52)	Acenaphthylene	6.546	152	142896	No	Calib	
53)	2,6-Dinitrotoluene	6.540	165	21187	No	Calib	#
54)	1,2-Dinitrobenzene	6.575	168	8807	No	Calib	#
64)	3-Nitroaniline	6.687	138	23051	No	Calib	#
65)	Acenaphthene	6.716	154	76488	No	Calib	
66)	2,4-Dinitrophenol	6.787	184	11255	No	Calib	#
67)	Dibenzofuran	6.887	168	130202	No	Calib	
68)	2,4-Dinitrotoluene	6.916	165	29057	No	Calib	#
69)	4-Nitrophenol	6.916	65	20671	No	Calib	#
70)	2,3,5,6-Tetrachlorophenol	6.987	232	29268	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL6.D
 Acq On : 17 Aug 2025 07:34 pm
 Operator : SV112:slr
 Sample : IL5,32,,ABNL5 Lot# 11874
 Misc : WG2104073,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	29986	No	Calib	
72)	Diethyl phthalate	7.193	149	113977	No	Calib	
73)	Fluorene	7.210	166	106275	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.252	204	53481	No	Calib	#
75)	4-Nitroaniline	7.263	138	23164	No	Calib	
76)	4,6-Dinitro-o-cresol	7.299	198	16774	No	Calib	#
77)	NDPA/DPA	7.369	169	89522	No	Calib	
78)	Azobenzene	7.393	77	103264	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	36199	No	Calib	#
81)	Hexachlorobenzene	7.734	284	41148	No	Calib	#
82)	Pentachlorophenol	7.940	266	22827	No	Calib	
89)	Phenanthrene	8.104	178	166676	No	Calib	
90)	Anthracene	8.151	178	171867	No	Calib	
91)	Carbazole	8.334	167	159005	No	Calib	
92)	Di-n-butylphthalate	8.763	149	191701	No	Calib	
93)	Fluoranthene	9.228	202	210256	No	Calib	
94)	Benzidine	9.410	184	126495	No	Calib	
95)	Pyrene	9.434	202	220323	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	81320	No	Calib	
105)	Benzo(a)anthracene	10.593	228	221688	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	85915	No	Calib	
107)	Chrysene	10.622	228	211464	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	130051	No	Calib	
109)	Di-n-octylphthalate	11.428	149	215798	No	Calib	
110)	Benzo(b)fluoranthene	11.616	252	214945	No	Calib	#
111)	Benzo(k)fluoranthene	11.645	252	228829	No	Calib	
112)	Benzo(a)pyrene	11.910	252	209521	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.881	276	209601	No	Calib	
115)	Dibenzo(a,h)anthracene	12.910	278	206991	No	Calib	
116)	Benzo(ghi)perylene	13.081	276	209061	No	Calib	

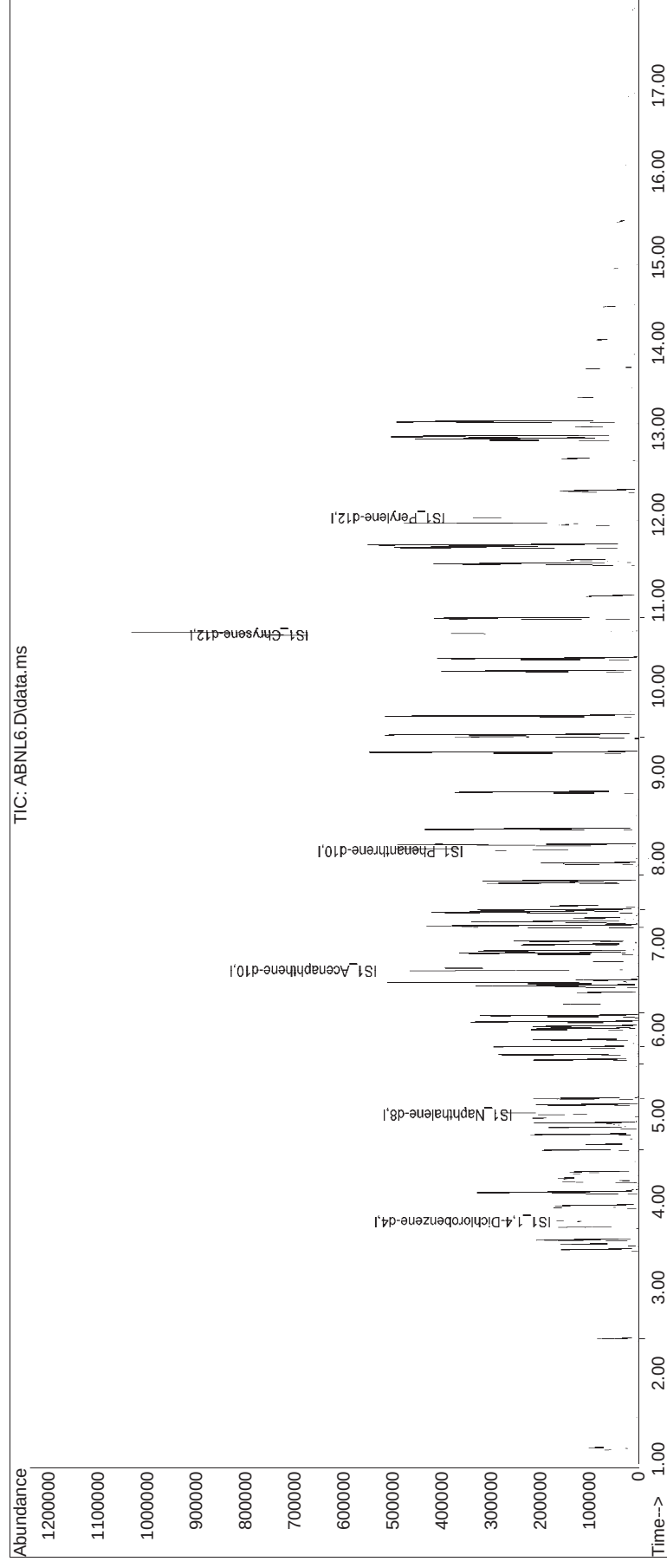
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL6.D
 Acq On : 17 Aug 2025 07:34 pm
 Operator : SV112:slr
 Sample : IL5,32,,ABNL5 Lot# 11874
 Misc : WG2104073,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 05:23:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

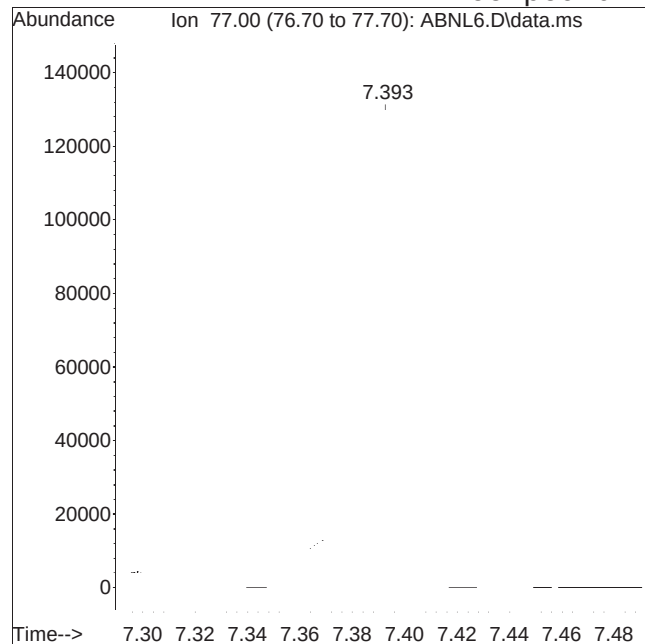
Sub List : ~~ABNL5\8270\SV112\250817RVTical\AP9L6.D~~
 : ~~ABNL5\8270\SV112\250817RVTical\AP9L6.D~~



Manual Integration Report

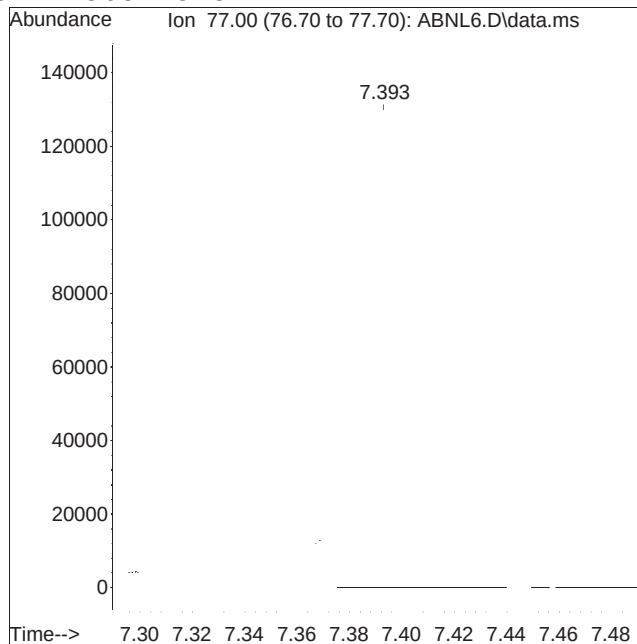
Data Path : I:\8270\SV112\250817RVTica
Data File : ABNL6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:34 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11874 Quant Date : 8/18/2025 5:14 am

Compound #78: Azobenzene



Original Peak Response = 113564

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

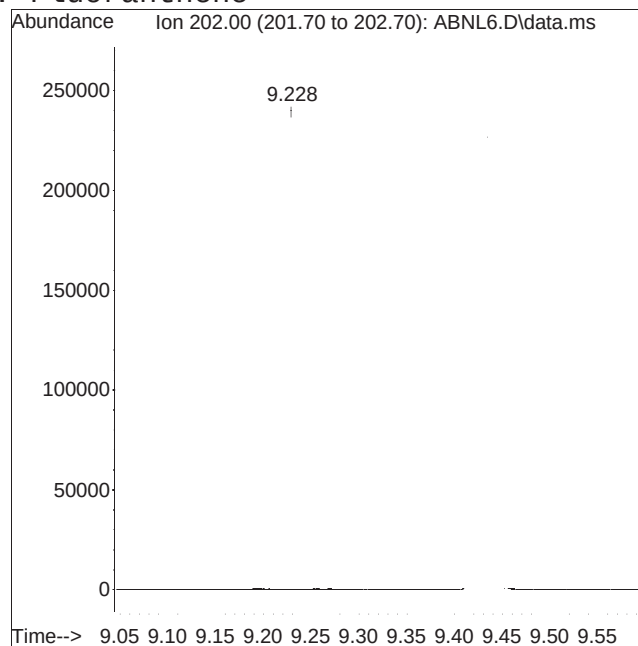
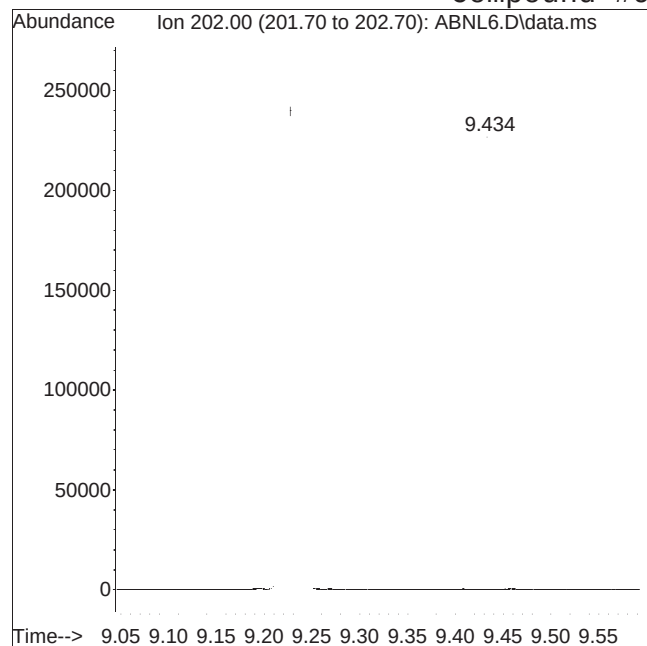


Manual Peak Response = 103264 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:34 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11874 Quant Date : 8/18/2025 5:14 am

Compound #93: Fluoranthene



Original Peak Response = 220011

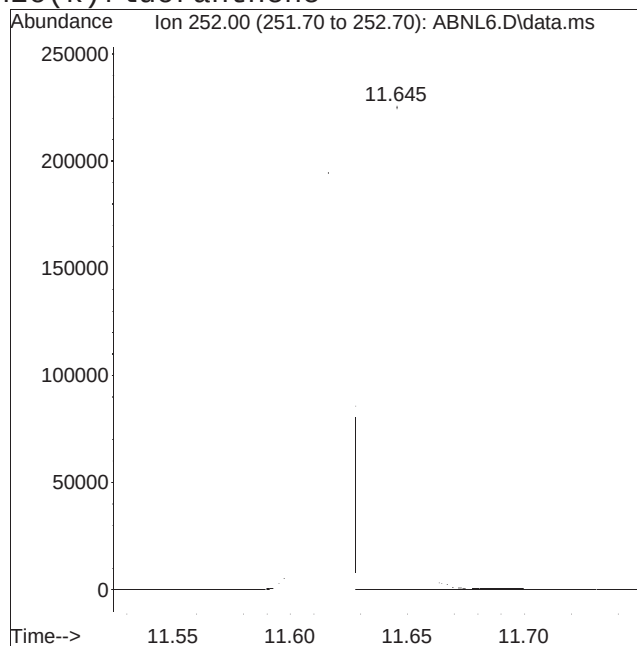
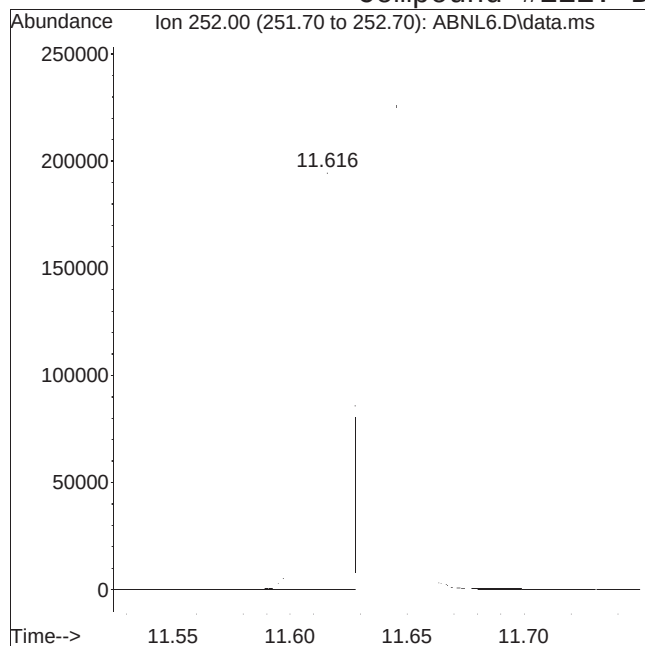
Manual Peak Response = 210256 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:34 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11874 Quant Date : 8/18/2025 5:14 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 214945

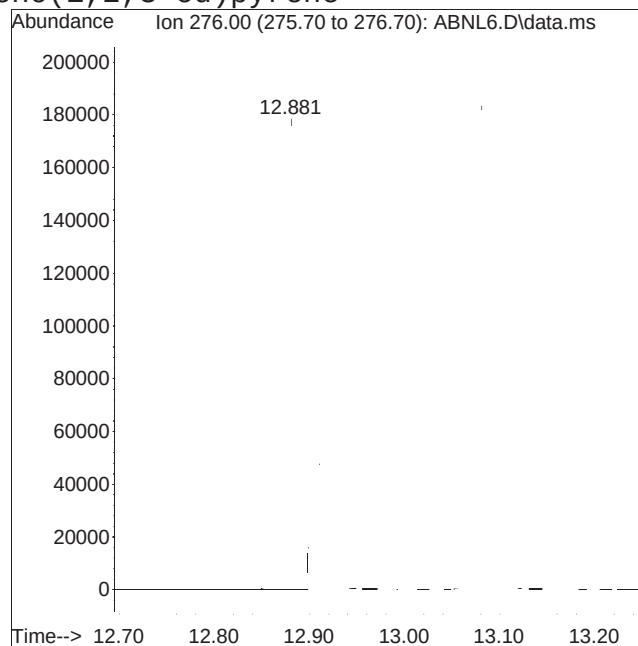
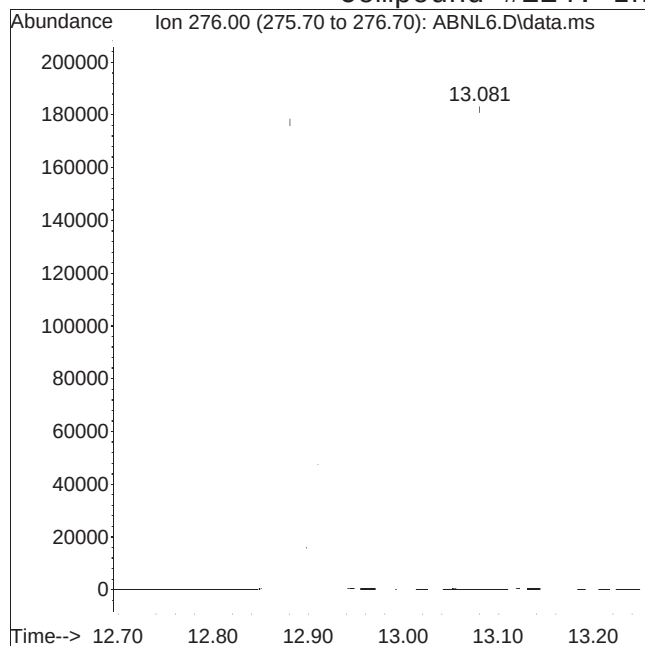
Manual Peak Response = 228829 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 7:34 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 11874 Quant Date : 8/18/2025 5:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 207889

Manual Peak Response = 209601 M3

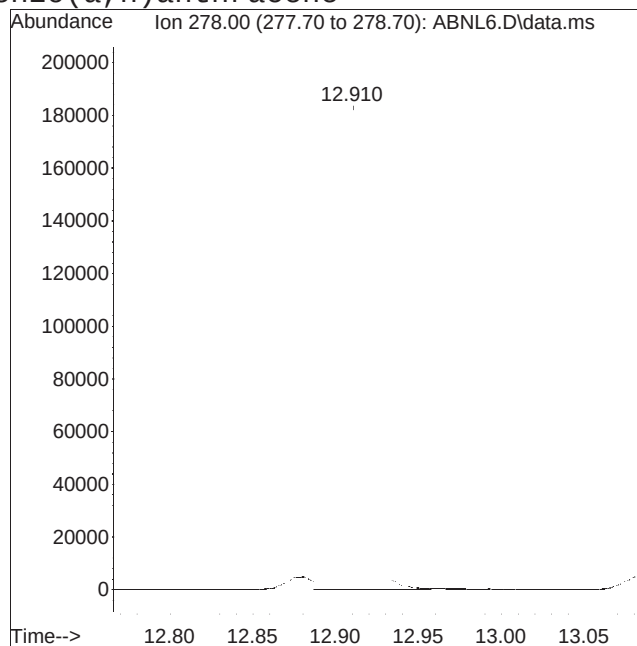
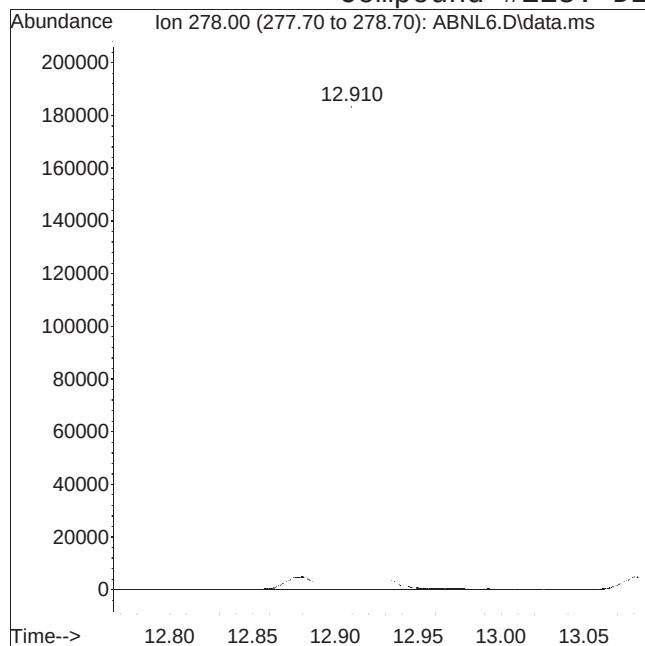
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL6.D
Date Inj'd : 8/17/2025 7:34 pm
Sample : IL5,32,,ABNL5 Lot# 11874

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:14 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 213236

Manual Peak Response = 206991 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL4.D
 Acq On : 17 Aug 2025 08:20 pm
 Operator : SV112:slr
 Sample : IL7,32,,ABNL1 Lot# 11876
 Misc : WG2104073,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	20275	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	108.35%		
35) IS1_Naphthalene-d8	5.010	136	82122	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	107.61%		
63) IS1_Acenaphthene-d10	6.687	164	54105	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	104.98%		
88) IS1_Phenanthrene-d10	8.081	188	117290	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	104.42%		
104) IS1_Chrysene-d12	10.598	240	129663	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	104.02%		
113) IS1_Perylene-d12	11.963	264	143170	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	106.03%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.399	112	4477	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.487	99	6147	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.328	82	5543	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	17063	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.440	330	2750	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.651	244	27179	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.111	74	3306	No Calib		#
3) Pyridine	1.146	79	5191	No Calib		
5) Aniline	3.440	93	8690	No Calib		
6) 2-Chlorophenol	3.552	128	5330	No Calib		
8) Phenol	3.499	94	6584	No Calib		
9) Bis(2-chloroethyl)ether	3.546	93	5542	No Calib		#
10) 1,3-Dichlorobenzene	3.699	146	6854	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	7226	No Calib		
12) 1,2-Dichlorobenzene	3.928	146	6826	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL4.D
 Acq On : 17 Aug 2025 08:20 pm
 Operator : SV112:slr
 Sample : IL7,32,,ABNL1 Lot# 11876
 Misc : WG2104073,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.952	79	4497	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.111	45	9510	No	Calib	#
15)	2-Methylphenol	4.105	108	4776	No	Calib	
16)	Hexachloroethane	4.258	117	2644	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.228	70	4399	No	Calib	#
18)	3-Methylphenol/4-Methy...	4.269	108	5267	No	Calib	
20)	Nitrobenzene	4.346	77	5698	No	Calib	
21)	Isophorone	4.599	82	11809	No	Calib	
22)	2-Nitrophenol	4.663	139	2602	No	Calib	
23)	2,4-Dimethylphenol	4.781	107	5851	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.858	93	7695	No	Calib	#
25)	2,4-Dichlorophenol	4.916	162	5015	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	6681	No	Calib	
36)	Naphthalene	5.028	128	18568	No	Calib	
37)	Benzoic Acid	4.869	105	1959	No	Calib	
38)	4-Chloroaniline	5.128	65	2549	No	Calib	
39)	Hexachlorobutadiene	5.199	225	4422	No	Calib	
40)	p-Chloro-m-cresol	5.652	107	5078	No	Calib	
41)	2-Methylnaphthalene	5.710	142	11892	No	Calib	
42)	1-Methylnaphthalene	5.799	115	4668	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	4607	No	Calib	#
44)	2,4,6-Trichlorophenol	6.010	196	4170	No	Calib	
45)	2,4,5-Trichlorophenol	6.040	196	4722	No	Calib	
47)	2-Chloronaphthalene	6.163	162	14152	No	Calib	
48)	2-Nitroaniline	6.293	138	3384	No	Calib	
49)	1,4-Dinitrobenzene	6.428	168	1627	No	Calib	
50)	1,3-Dinitrobenzene	6.499	168	1824	No	Calib	
51)	Dimethyl phthalate	6.510	163	17332	No	Calib	#
52)	Acenaphthylene	6.546	152	22455	No	Calib	
53)	2,6-Dinitrotoluene	6.540	165	2763	No	Calib	#
54)	1,2-Dinitrobenzene	6.575	168	1125	No	Calib	#
64)	3-Nitroaniline	6.687	138	3129	No	Calib	#
65)	Acenaphthene	6.716	154	12686	No	Calib	
66)	2,4-Dinitrophenol	6.793	184	942	No	Calib	#
67)	Dibenzofuran	6.887	168	21998	No	Calib	
68)	2,4-Dinitrotoluene	6.916	165	3879	No	Calib	#
69)	4-Nitrophenol	6.916	65	2539	No	Calib	#
70)	2,3,5,6-Tetrachlorophenol	6.993	232	4041	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL4.D
 Acq On : 17 Aug 2025 08:20 pm
 Operator : SV112:slr
 Sample : IL7,32,,ABNL1 Lot# 11876
 Misc : WG2104073,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	3855	No	Calib	
72)	Diethyl phthalate	7.193	149	17269	No	Calib	
73)	Fluorene	7.210	166	16987	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.252	204	9003	No	Calib	#
75)	4-Nitroaniline	7.257	138	3118	No	Calib	
76)	4,6-Dinitro-o-cresol	7.299	198	2028	No	Calib	#
77)	NDPA/DPA	7.369	169	14206	No	Calib	
78)	Azobenzene	7.393	77	15748	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	5743	No	Calib	#
81)	Hexachlorobenzene	7.728	284	6799	No	Calib	#
82)	Pentachlorophenol	7.940	266	2412	No	Calib	
89)	Phenanthrene	8.104	178	29040	No	Calib	
90)	Anthracene	8.151	178	28182	No	Calib	
91)	Carbazole	8.334	167	25022	No	Calib	
92)	Di-n-butylphthalate	8.763	149	28459	No	Calib	
93)	Fluoranthene	9.228	202	33883	No	Calib	
94)	Benzidine	9.410	184	15796	No	Calib	#
95)	Pyrene	9.428	202	35417	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	11429	No	Calib	
105)	Benzo(a)anthracene	10.587	228	36263	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	12255	No	Calib	
107)	Chrysene	10.622	228	35546	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	17918	No	Calib	#
109)	Di-n-octylphthalate	11.428	149	28377	No	Calib	#
110)	Benzo(b)fluoranthene	11.616	252	36225	No	Calib	#
111)	Benzo(k)fluoranthene	11.640	252	35707	No	Calib	
112)	Benzo(a)pyrene	11.904	252	33447	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.875	276	31687	No	Calib	
115)	Dibenzo(a,h)anthracene	12.910	278	32687	No	Calib	
116)	Benzo(ghi)perylene	13.081	276	33609	No	Calib	

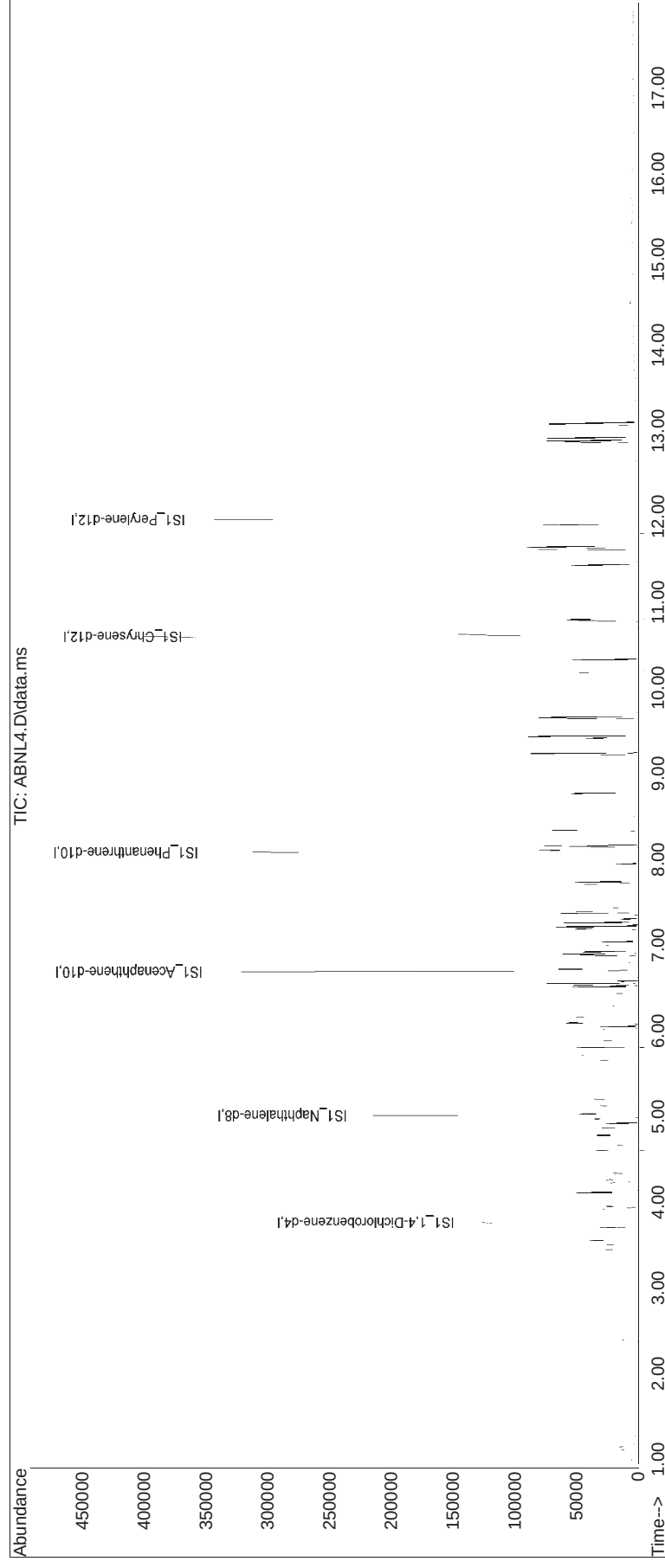
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL4.D
 Acq On : 17 Aug 2025 08:20 pm
 Operator : SV112:slr
 Sample : IL7,32,,ABNL1 Lot# 11876
 Misc : WG2104073,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 05:31:16 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

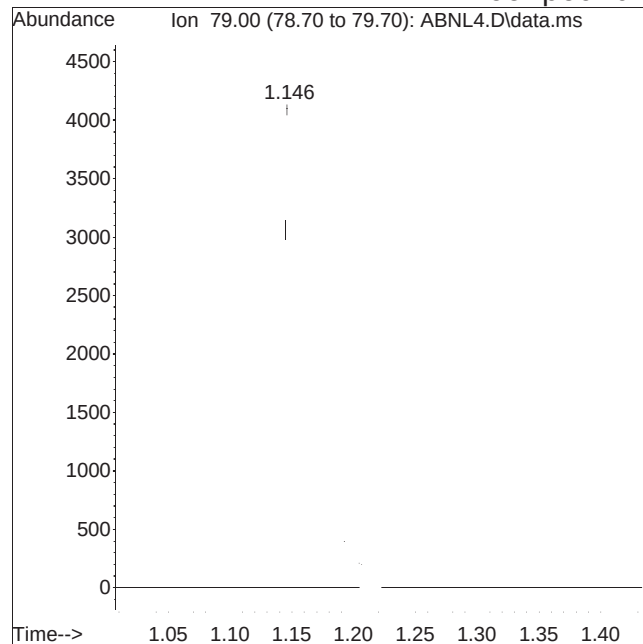
Sub List : ~~ABNL4\8270\SV112\250817RVTical\AP9L6.D~~•



Manual Integration Report

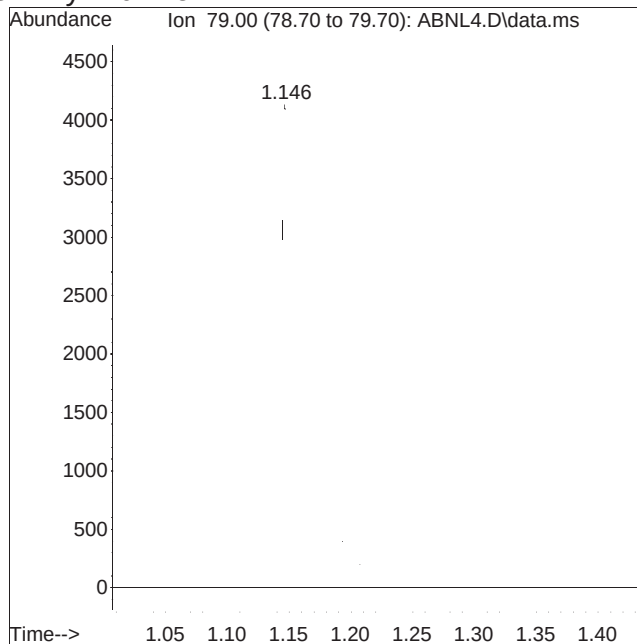
Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



Original Peak Response = 5088

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

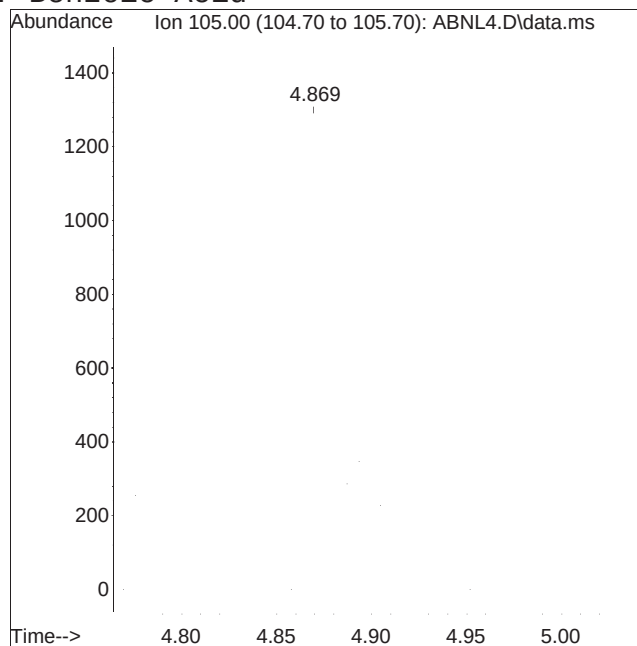
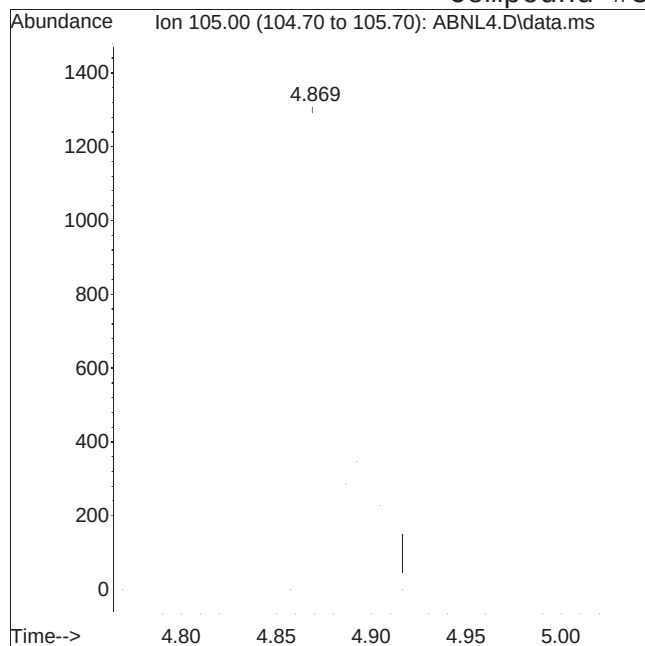


Manual Peak Response = 5191 M1

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #37: Benzoic Acid



Original Peak Response = 1713

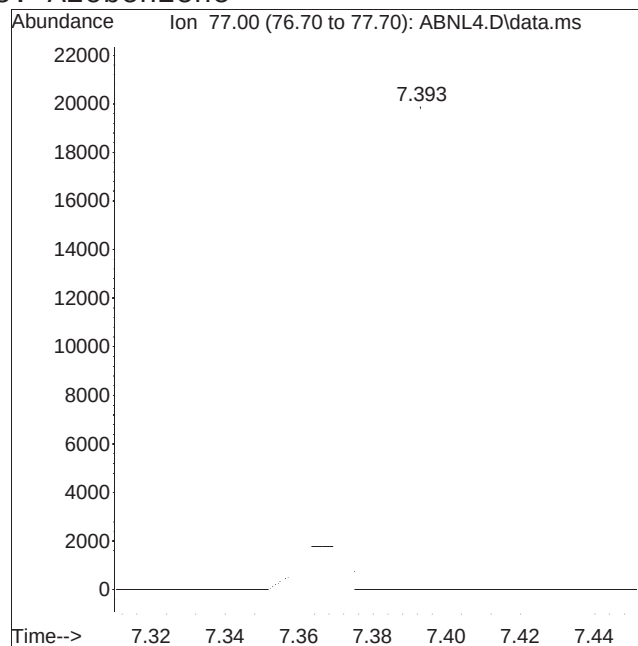
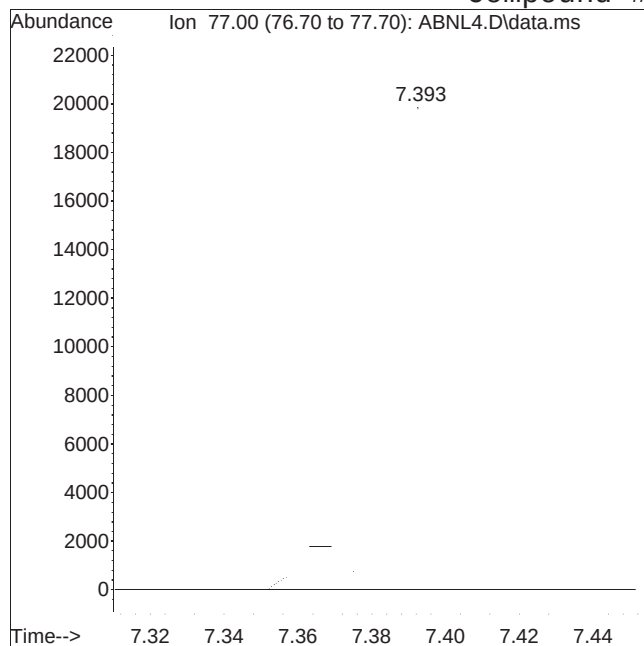
Manual Peak Response = 1959 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #78: Azobenzene



Original Peak Response = 17459

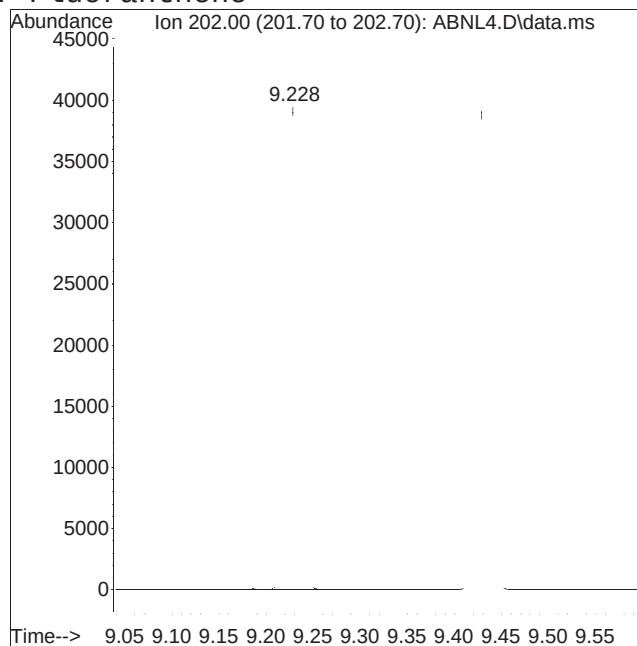
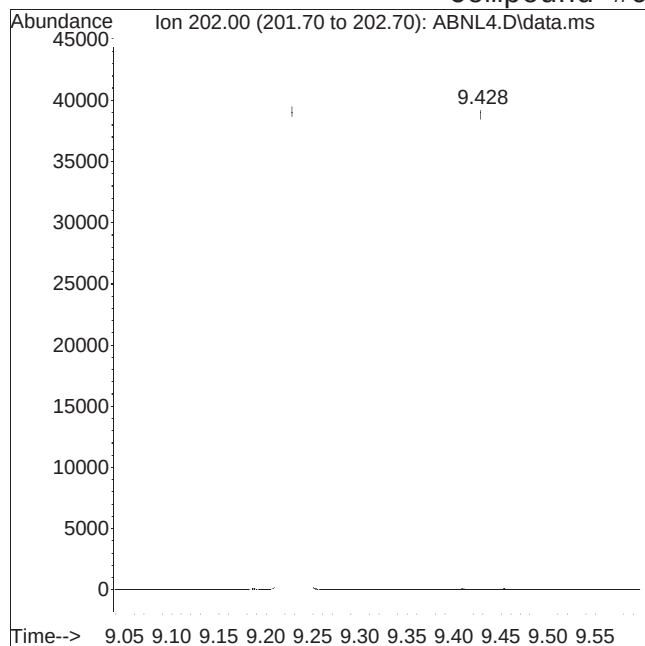
Manual Peak Response = 15748 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene



Original Peak Response = 35416

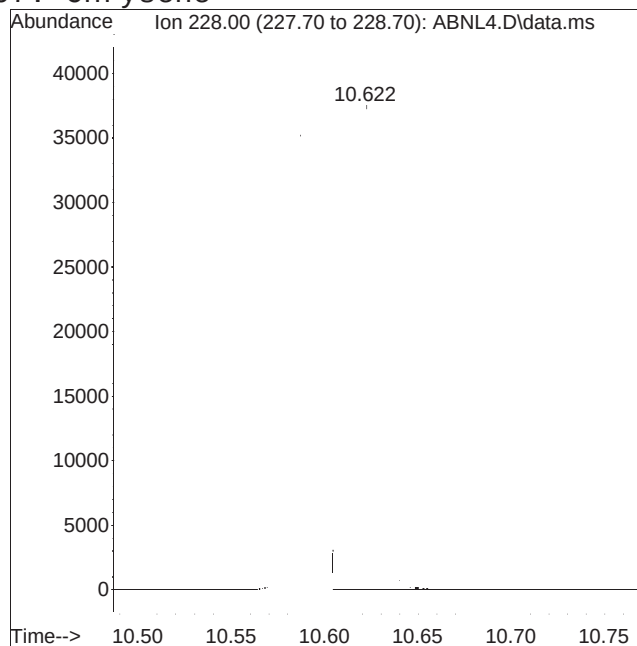
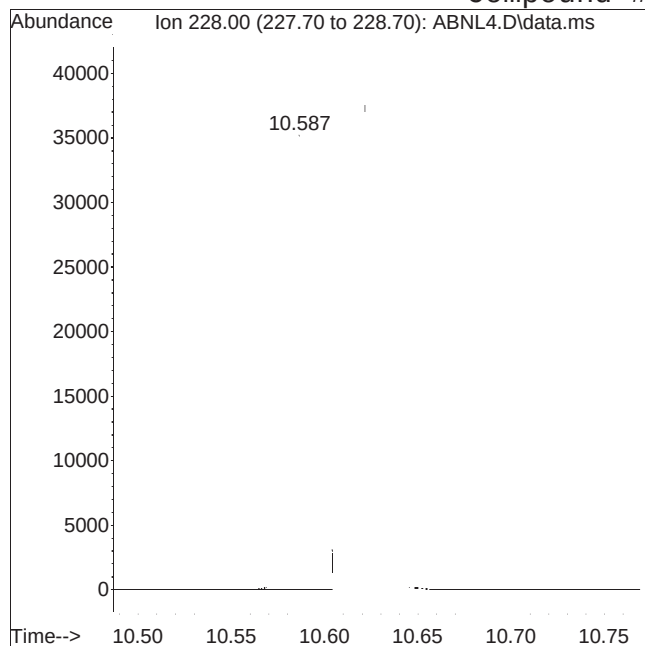
Manual Peak Response = 33883 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #107: Chrysene



Original Peak Response = 36263

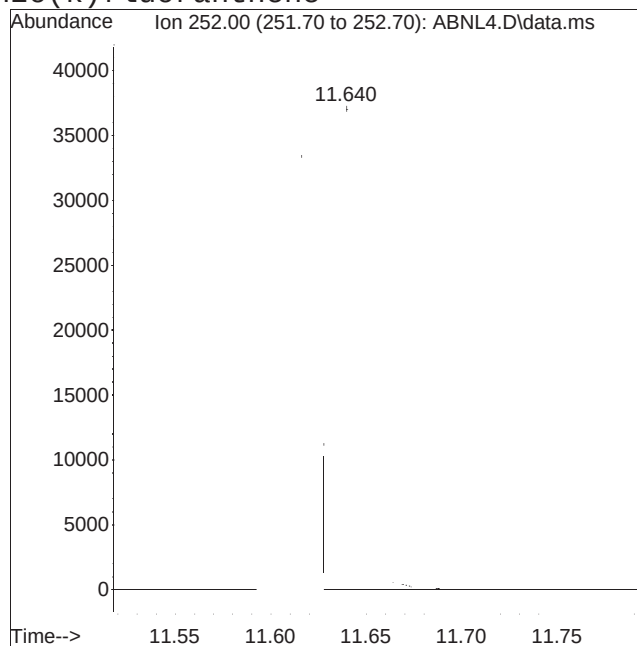
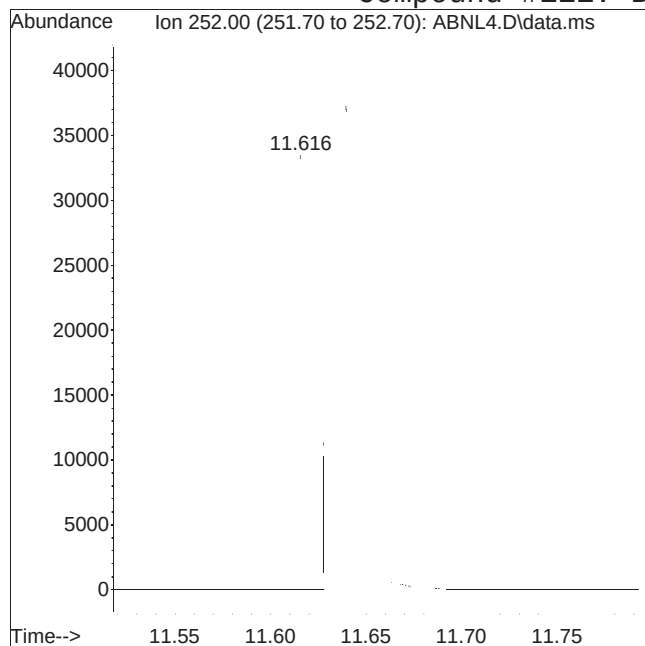
Manual Peak Response = 35546 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 36225

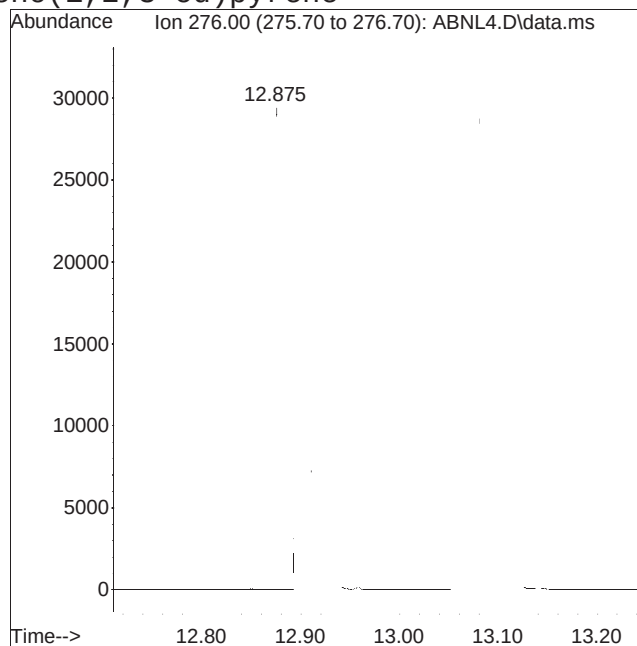
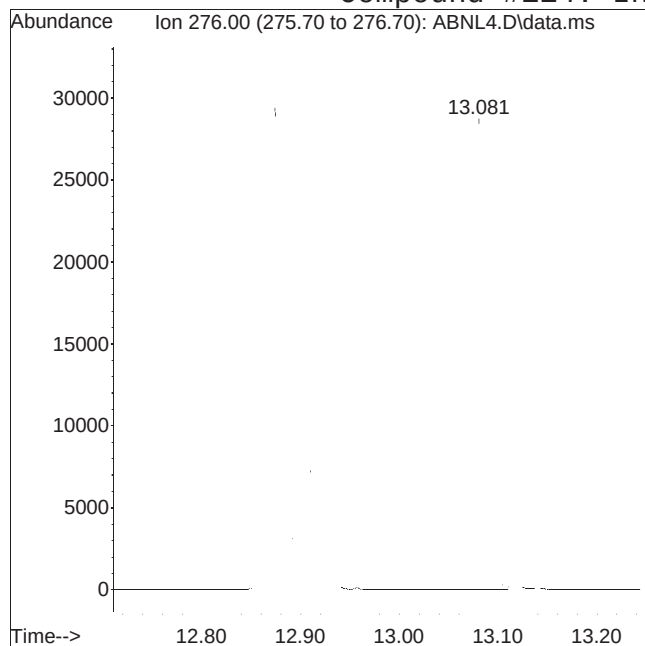
Manual Peak Response = 35707 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:20 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 11876 Quant Date : 8/18/2025 5:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 33309

Manual Peak Response = 31687 M3

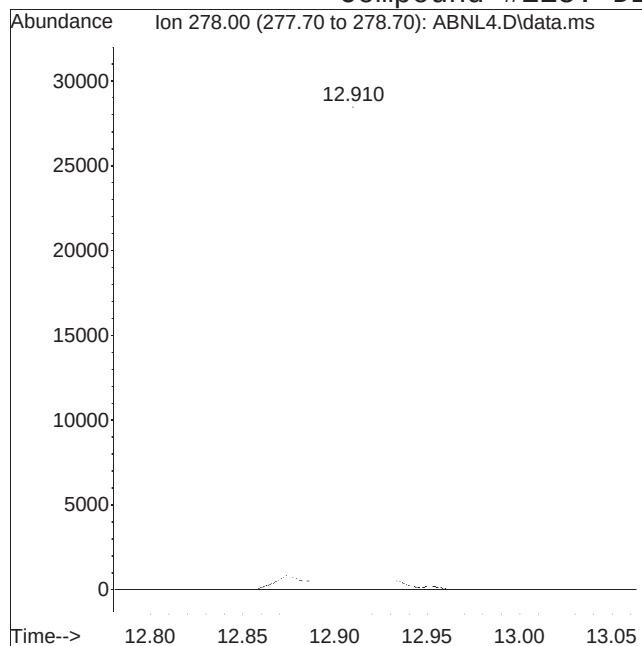
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

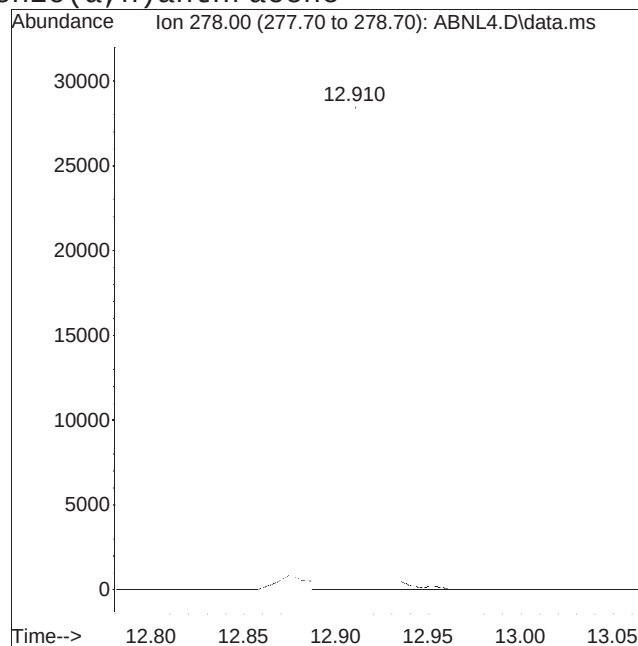
Data Path : I:\8270\SV112\250817RVTica01
Data File : ABNL4.D
Date Inj'd : 8/17/2025 8:20 pm
Sample : IL7,32,,ABNL1 Lot# 11876

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 33661



Manual Peak Response = 32687 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL3.D
 Acq On : 17 Aug 2025 08:42 pm
 Operator : SV112:slr
 Sample : IL8,32,,ABNL0.5 Lot# 11877
 Misc : WG2104073,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	17806	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	95.15%		
35) IS1_Naphthalene-d8	5.010	136	72072	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	94.45%		
63) IS1_Acenaphthene-d10	6.687	164	47808	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	92.76%		
88) IS1_Phenanthrene-d10	8.081	188	110499	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	98.37%		
104) IS1_Chrysene-d12	10.598	240	126496	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	101.48%		
113) IS1_Perylene-d12	11.963	264	137530	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	101.86%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.399	112	2137	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.487	99	2812	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.328	82	2402	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	7634	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.440	330	1191	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.651	244	13493	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.111	74	1448	No Calib		#
3) Pyridine	1.152	79	2496	No Calib		
5) Aniline	3.440	93	3571	No Calib		
6) 2-Chlorophenol	3.552	128	2478	No Calib		
8) Phenol	3.505	94	3072	No Calib		
9) Bis(2-chloroethyl)ether	3.552	93	2479	No Calib		#
10) 1,3-Dichlorobenzene	3.699	146	3265	No Calib		
11) 1,4-Dichlorobenzene	3.775	146	3279	No Calib		
12) 1,2-Dichlorobenzene	3.922	146	2896	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL3.D
 Acq On : 17 Aug 2025 08:42 pm
 Operator : SV112:slr
 Sample : IL8,32,,ABNL0.5 Lot# 11877
 Misc : WG2104073,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.952	79	2020	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.110	45	4204	No	Calib	#
15)	2-Methylphenol	4.105	108	2147	No	Calib	
16)	Hexachloroethane	4.252	117	1249	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.234	70	1850	No	Calib	#
18)	3-Methylphenol/4-Methy...	4.275	108	2376	No	Calib	#
20)	Nitrobenzene	4.346	77	2790	No	Calib	#
21)	Isophorone	4.599	82	5191	No	Calib	#
22)	2-Nitrophenol	4.663	139	1025	No	Calib	#
23)	2,4-Dimethylphenol	4.781	107	2649	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.857	93	3323	No	Calib	#
25)	2,4-Dichlorophenol	4.916	162	2351	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	3015	No	Calib	
36)	Naphthalene	5.028	128	8956	No	Calib	
37)	Benzoic Acid	4.887	105	395	No	Calib	
38)	4-Chloroaniline	5.128	65	1089	No	Calib	
39)	Hexachlorobutadiene	5.199	225	2037	No	Calib	
40)	p-Chloro-m-cresol	5.652	107	2435	No	Calib	
41)	2-Methylnaphthalene	5.710	142	5553	No	Calib	
42)	1-Methylnaphthalene	5.799	115	1960	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	1837	No	Calib	#
44)	2,4,6-Trichlorophenol	6.010	196	1750	No	Calib	
45)	2,4,5-Trichlorophenol	6.040	196	1995	No	Calib	
47)	2-Chloronaphthalene	6.163	162	6449	No	Calib	
48)	2-Nitroaniline	6.293	138	1421	No	Calib	
49)	1,4-Dinitrobenzene	6.428	168	624	No	Calib	
50)	1,3-Dinitrobenzene	6.504	168	831	No	Calib	
51)	Dimethyl phthalate	6.510	163	8038	No	Calib	#
52)	Acenaphthylene	6.546	152	10460	No	Calib	
53)	2,6-Dinitrotoluene	6.540	165	1296	No	Calib	#
54)	1,2-Dinitrobenzene	6.575	168	476	No	Calib	
64)	3-Nitroaniline	6.687	138	1331	No	Calib	#
65)	Acenaphthene	6.716	154	6289	No	Calib	
66)	2,4-Dinitrophenol	6.799	184	207	No	Calib	
67)	Dibenzofuran	6.887	168	10132	No	Calib	
68)	2,4-Dinitrotoluene	6.916	165	1741	No	Calib	#
69)	4-Nitrophenol	6.916	65	1006	No	Calib	#
70)	2,3,5,6-Tetrachlorophenol	6.993	232	1617	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL3.D
 Acq On : 17 Aug 2025 08:42 pm
 Operator : SV112:slr
 Sample : IL8,32,,ABNL0.5 Lot# 11877
 Misc : WG2104073,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.034	232	1622	No	Calib	
72)	Diethyl phthalate	7.193	149	7887	No	Calib	
73)	Fluorene	7.210	166	8166	No	Calib	
74)	4-Chlorophenyl phenyl ...	7.251	204	4170	No	Calib	#
75)	4-Nitroaniline	7.257	138	1315	No	Calib	#
76)	4,6-Dinitro-o-cresol	7.298	198	847	No	Calib	#
77)	NDPA/DPA	7.369	169	6743	No	Calib	
78)	Azobenzene	7.393	77	7271	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	2731	No	Calib	#
81)	Hexachlorobenzene	7.734	284	3252	No	Calib	#
82)	Pentachlorophenol	7.940	266	932	No	Calib	
89)	Phenanthrene	8.104	178	14135	No	Calib	
90)	Anthracene	8.151	178	13527	No	Calib	
91)	Carbazole	8.334	167	12043	No	Calib	
92)	Di-n-butylphthalate	8.763	149	13393	No	Calib	
93)	Fluoranthene	9.228	202	16801	No	Calib	
94)	Benzidine	9.410	184	6450	No	Calib	#
95)	Pyrene	9.428	202	17633	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	5352	No	Calib	
105)	Benzo(a)anthracene	10.587	228	18145	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	5945	No	Calib	
107)	Chrysene	10.622	228	18466	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.792	149	8425	No	Calib	#
109)	Di-n-octylphthalate	11.428	149	13144	No	Calib	#
110)	Benzo(b)fluoranthene	11.616	252	17217	No	Calib	#
111)	Benzo(k)fluoranthene	11.645	252	18020	No	Calib	
112)	Benzo(a)pyrene	11.904	252	15732	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.881	276	15444	No	Calib	#
115)	Dibenzo(a,h)anthracene	12.910	278	15744	No	Calib	
116)	Benzo(ghi)perylene	13.081	276	16323	No	Calib	#

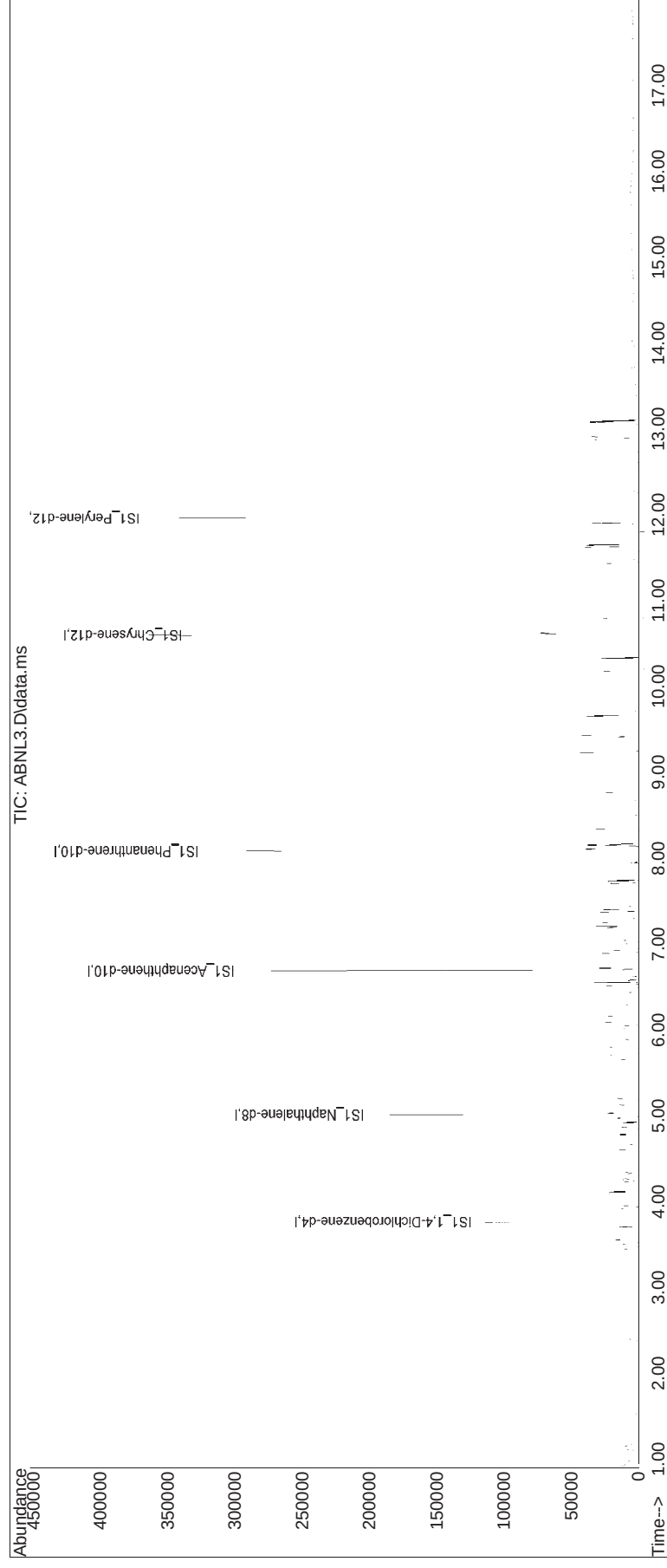
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL3.D
 Acq On : 17 Aug 2025 08:42 pm
 Operator : SV112:slr
 Sample : IL8,32,,ABNL0.5 Lot# 11877
 Misc : WG2104073,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 05:30:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

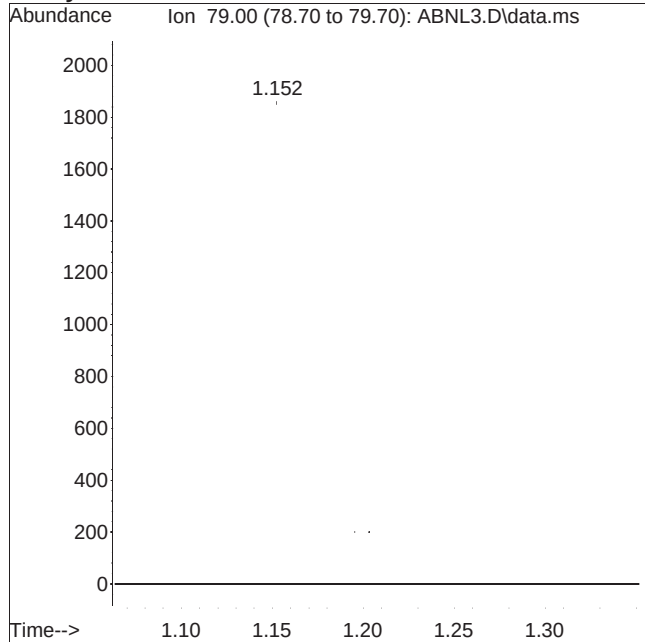
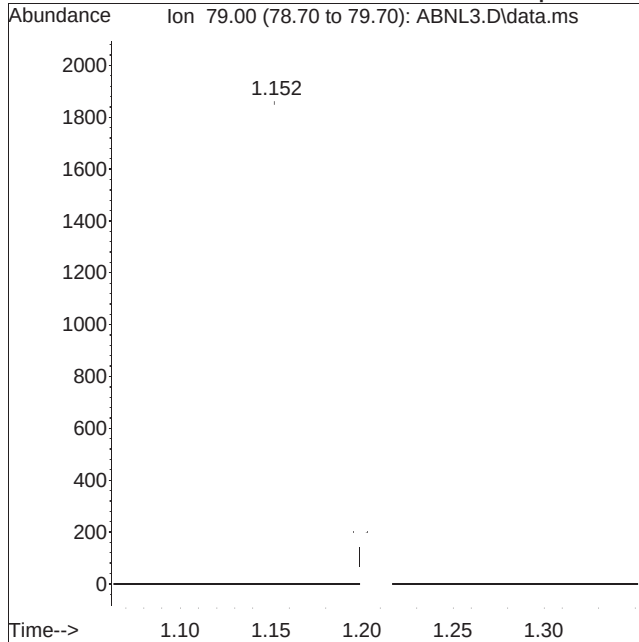
Sub List : ~~ABNL3.D~~ 8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8, 32,, ABNL0.5 Lot# 11877 Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



Original Peak Response = 2375

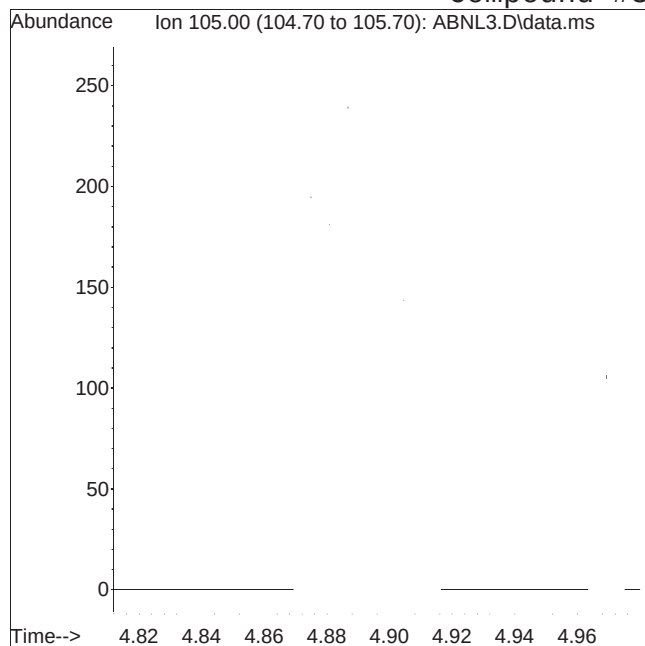
Manual Peak Response = 2496 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

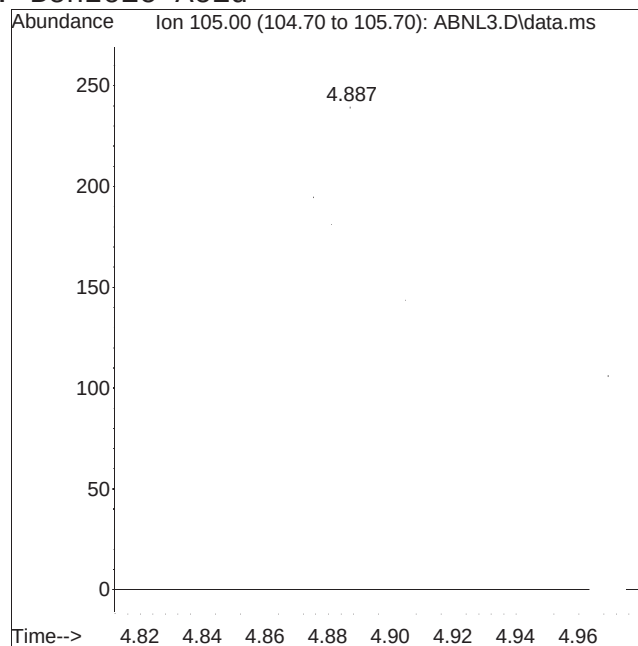
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877 Quant Date : 8/18/2025 5:13 am

Compound #37: Benzoic Acid



Original Peak Response = 0



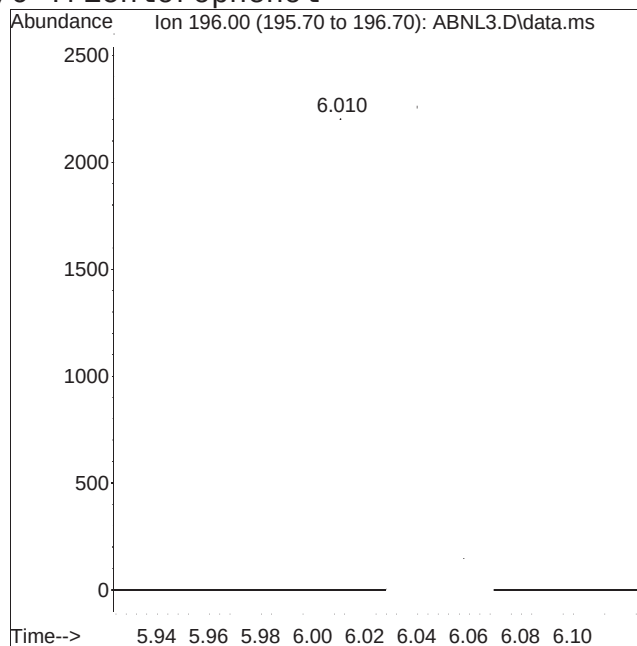
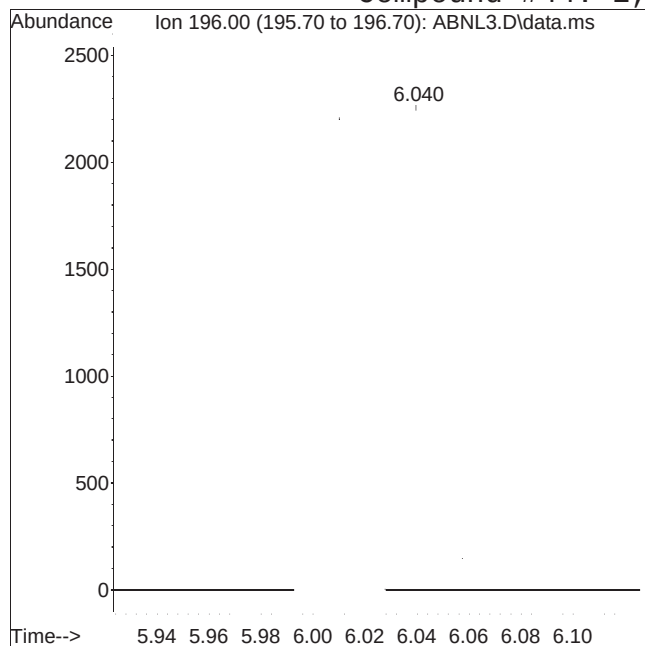
Manual Peak Response = 395 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877 Quant Date : 8/18/2025 5:13 am

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 1995

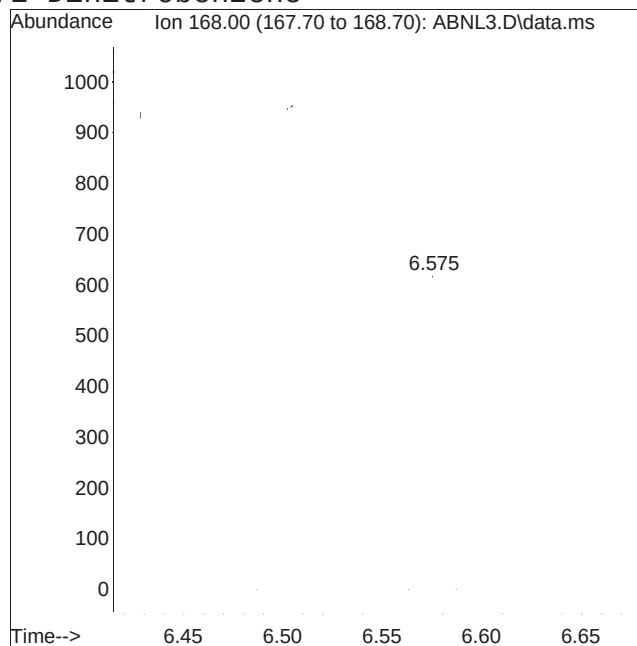
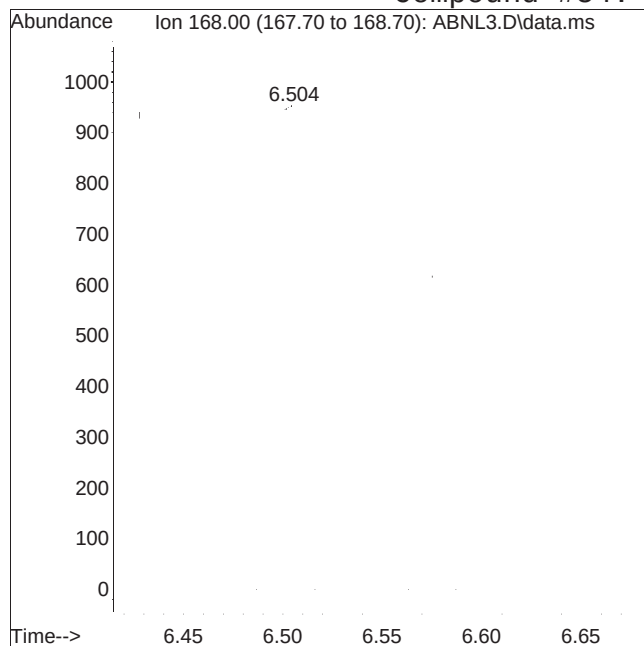
Manual Peak Response = 1750 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877 Quant Date : 8/18/2025 5:13 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 831

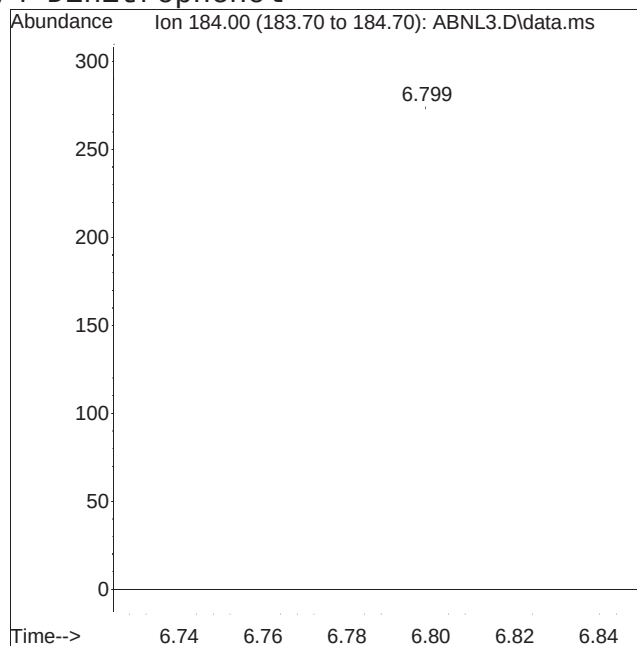
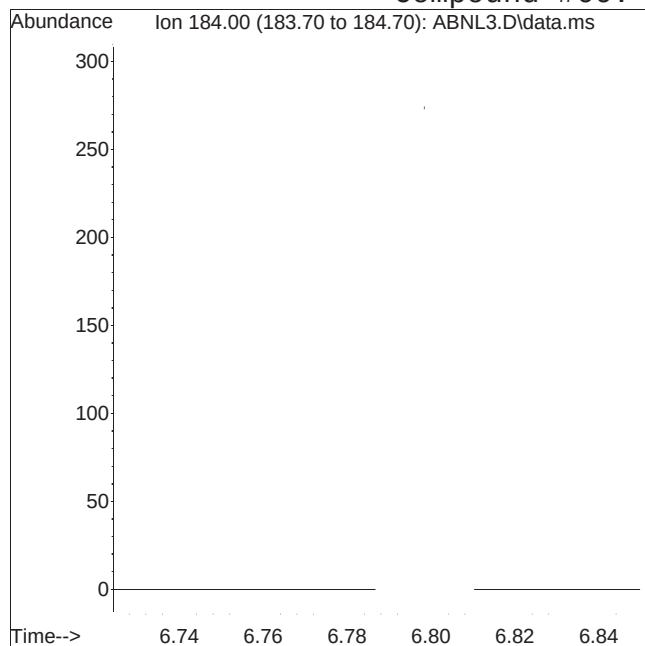
Manual Peak Response = 476 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877 Quant Date : 8/18/2025 5:13 am

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0

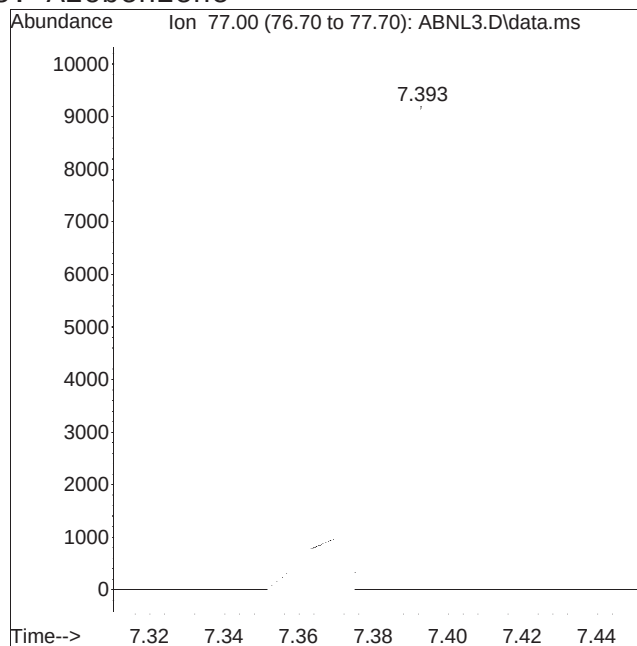
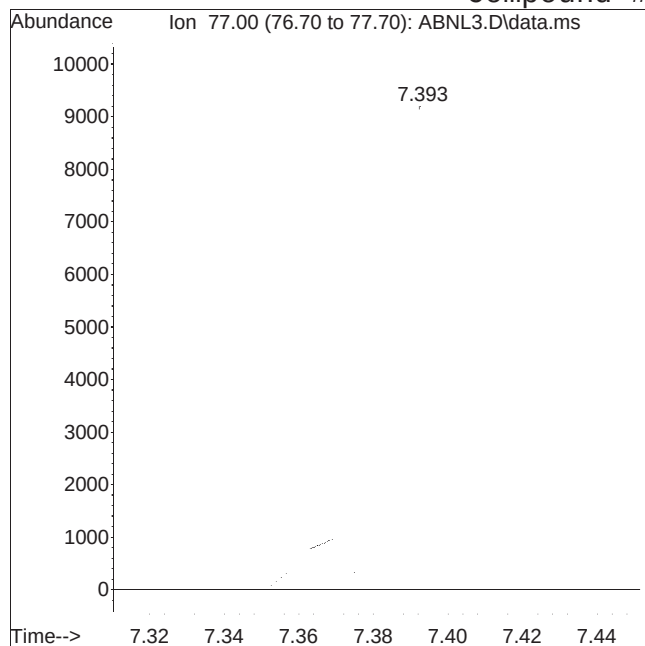
Manual Peak Response = 207 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTica
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877 Quant Date : 8/18/2025 5:13 am

Compound #78: Azobenzene



Original Peak Response = 8115

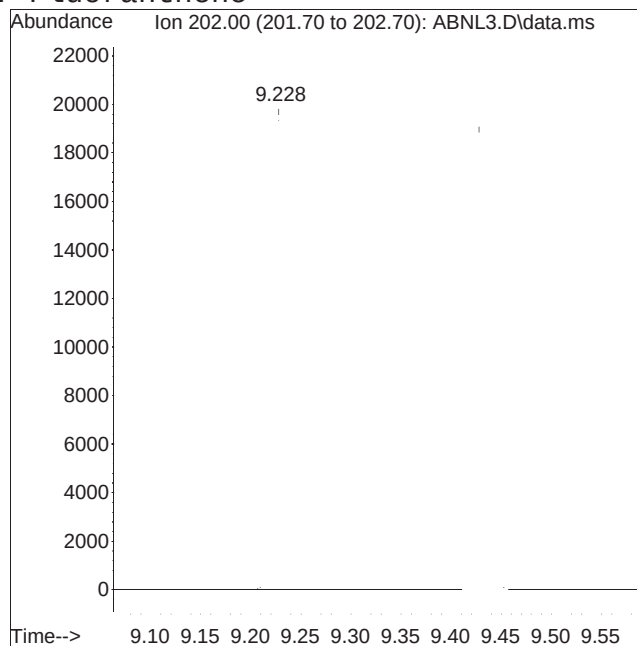
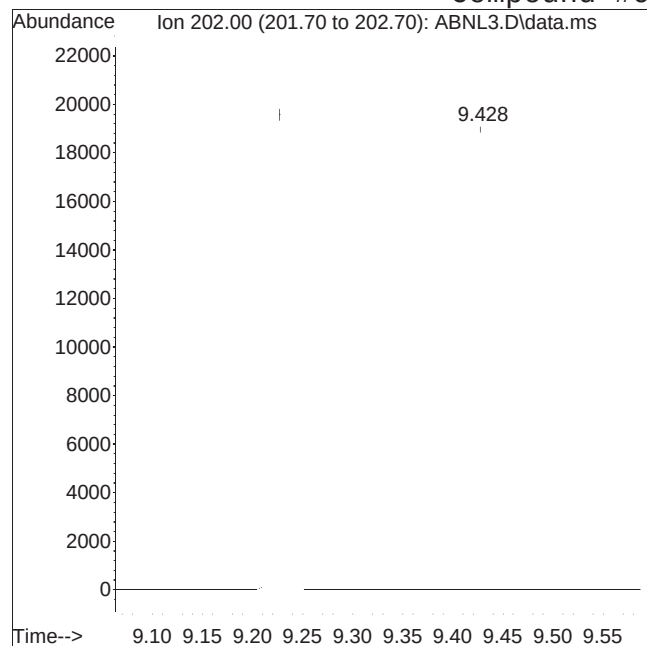
Manual Peak Response = 7271 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL3.D Operator : SV112:slr
Date Inj'd : 8/17/2025 8:42 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11877 Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene



Original Peak Response = 17633

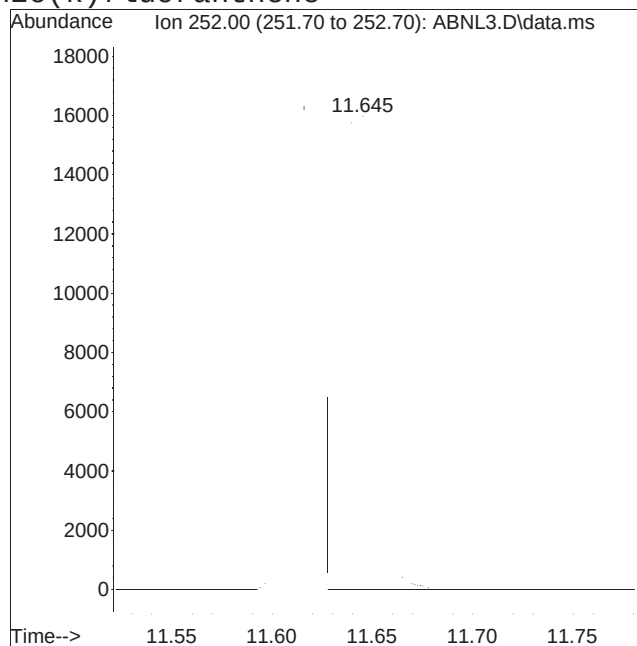
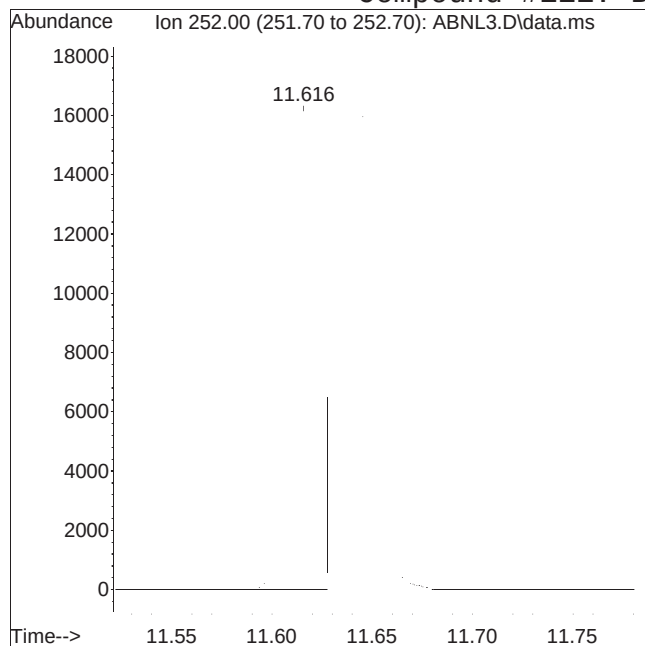
Manual Peak Response = 16801 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL3.D
Date Inj'd : 8/17/2025 8:42 pm
Sample : IL8,32,,ABNL0.5 Lot# 11877
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 17217

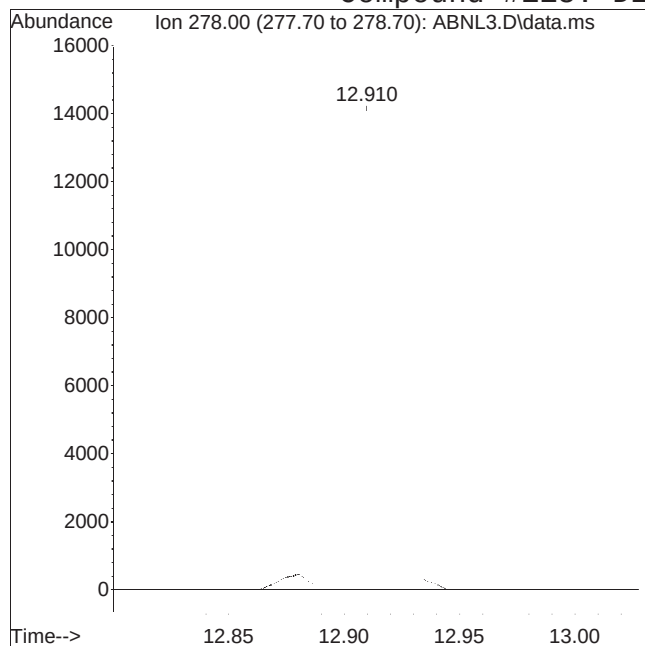
Manual Peak Response = 18020 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

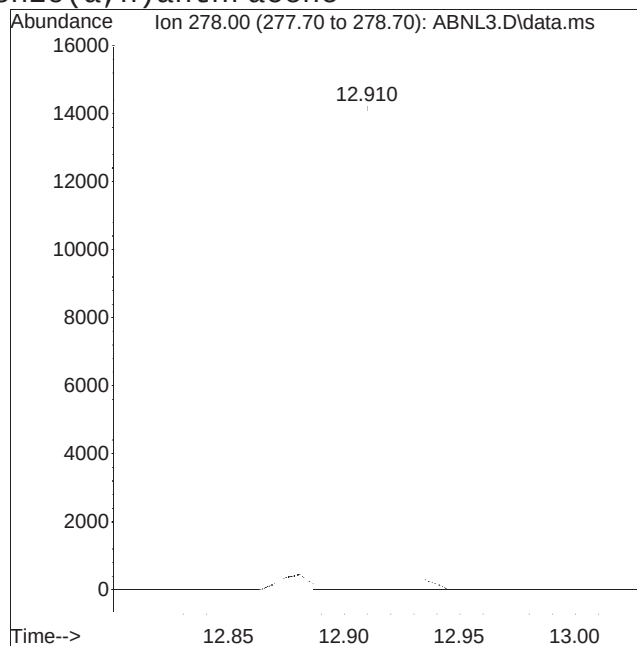
Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL3.D
Date Inj'd : 8/17/2025 8:42 pm
Sample : IL8,32,,ABNL0.5 Lot# 11877
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 5:13 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 16144

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 15744 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL2.D
 Acq On : 17 Aug 2025 09:05 pm
 Operator : SV112:slr
 Sample : IL9,32,,ABNL0.2 Lot# 11878
 Misc : WG2104073,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.764	152	18892	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	100.96%		
35) IS1_Naphthalene-d8	5.011	136	73029	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	95.70%		
63) IS1_Acenaphthene-d10	6.687	164	47706	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	92.56%		
88) IS1_Phenanthrene-d10	8.081	188	105647	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	94.05%		
104) IS1_Chrysene-d12	10.599	240	116053	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	93.11%		
113) IS1_Perylene-d12	11.963	264	123106	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	91.17%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.405	112	751	0.000	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.493	99	1132	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.328	82	1050	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	3200	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.440	330	501	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.652	244	5427	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.117	74	591	No Calib	#	
3) Pyridine	1.170	79	1039	No Calib		
5) Aniline	3.446	93	1201	No Calib	#	
6) 2-Chlorophenol	3.558	128	1028	No Calib	#	
8) Phenol	3.505	94	1295	No Calib	#	
9) Bis(2-chloroethyl)ether	3.552	93	1206	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	1476	No Calib		
11) 1,4-Dichlorobenzene	3.781	146	1390	No Calib		
12) 1,2-Dichlorobenzene	3.928	146	1459	No Calib		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL2.D
 Acq On : 17 Aug 2025 09:05 pm
 Operator : SV112:slr
 Sample : IL9,32,,ABNL0.2 Lot# 11878
 Misc : WG2104073,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.958	79	843	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.111	45	1895	No	Calib	#
15)	2-Methylphenol	4.111	108	926	No	Calib	#
16)	Hexachloroethane	4.258	117	507	No	Calib	#
17)	n-Nitrosodi-n-propylamine	4.234	70	804	No	Calib	#
18)	3-Methylphenol/4-Methy...	4.275	108	1007	No	Calib	#
20)	Nitrobenzene	4.346	77	1054	No	Calib	#
21)	Isophorone	4.605	82	2267	No	Calib	#
22)	2-Nitrophenol	4.664	139	384	No	Calib	
23)	2,4-Dimethylphenol	4.781	107	984	No	Calib	#
24)	Bis(2-chloroethoxy)met...	4.858	93	1567	No	Calib	#
25)	2,4-Dichlorophenol	4.916	162	812	No	Calib	#
26)	1,2,4-Trichlorobenzene	4.975	180	1315	No	Calib	#
36)	Naphthalene	5.028	128	4097	No	Calib	#
37)	Benzoic Acid	0.000		0		N.D.	
38)	4-Chloroaniline	5.128	65	396	No	Calib	
39)	Hexachlorobutadiene	5.199	225	947	No	Calib	
40)	p-Chloro-m-cresol	5.652	107	967	No	Calib	#
41)	2-Methylnaphthalene	5.711	142	2349	No	Calib	
42)	1-Methylnaphthalene	5.793	115	947	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	644	No	Calib	#
44)	2,4,6-Trichlorophenol	6.011	196	706	No	Calib	#
45)	2,4,5-Trichlorophenol	6.040	196	771	No	Calib	#
47)	2-Chloronaphthalene	6.163	162	2714	No	Calib	
48)	2-Nitroaniline	6.293	138	582	No	Calib	#
49)	1,4-Dinitrobenzene	6.428	168	294	No	Calib	
50)	1,3-Dinitrobenzene	6.505	168	305	No	Calib	
51)	Dimethyl phthalate	6.511	163	3438	No	Calib	#
52)	Acenaphthylene	6.546	152	4284	No	Calib	
53)	2,6-Dinitrotoluene	6.540	165	473	No	Calib	
54)	1,2-Dinitrobenzene	6.575	168	137	No	Calib	
64)	3-Nitroaniline	6.687	138	562	No	Calib	#
65)	Acenaphthene	6.716	154	2552	No	Calib	
66)	2,4-Dinitrophenol	0.000		0		N.D.	
67)	Dibenzofuran	6.887	168	4213	No	Calib	
68)	2,4-Dinitrotoluene	6.922	165	710	No	Calib	#
69)	4-Nitrophenol	6.916	65	432	No	Calib	
70)	2,3,5,6-Tetrachlorophenol	6.993	232	550	No	Calib	#

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL2.D
 Acq On : 17 Aug 2025 09:05 pm
 Operator : SV112:slr
 Sample : IL9,32,,ABNL0.2 Lot# 11878
 Misc : WG2104073,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.034	232	591	No	Calib	#
72)	Diethyl phthalate	7.193	149	3465	No	Calib	#
73)	Fluorene	7.210	166	3231	No	Calib	#
74)	4-Chlorophenyl phenyl ...	7.246	204	1904	No	Calib	#
75)	4-Nitroaniline	7.258	138	490	No	Calib	
76)	4,6-Dinitro-o-cresol	7.299	198	245	No	Calib	
77)	NDPA/DPA	7.369	169	2633	No	Calib	
78)	Azobenzene	7.393	77	2890	No	Calib	
80)	4-Bromophenyl phenyl e...	7.705	248	1216	No	Calib	#
81)	Hexachlorobenzene	7.734	284	1393	No	Calib	#
82)	Pentachlorophenol	7.940	266	253	No	Calib	
89)	Phenanthrene	8.105	178	5808	No	Calib	
90)	Anthracene	8.152	178	5452	No	Calib	
91)	Carbazole	8.334	167	4844	No	Calib	
92)	Di-n-butylphthalate	8.763	149	5230	No	Calib	#
93)	Fluoranthene	9.228	202	6643	No	Calib	
94)	Benzidine	9.410	184	908	No	Calib	#
95)	Pyrene	9.428	202	6941	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	2149	No	Calib	#
105)	Benzo(a)anthracene	10.587	228	7171	No	Calib	
106)	3,3'-Dichlorobenzidine	10.616	252	2173	No	Calib	#
107)	Chrysene	10.622	228	6956	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	3264	No	Calib	#
109)	Di-n-octylphthalate	11.428	149	5069	No	Calib	#
110)	Benzo(b)fluoranthene	11.616	252	6823	No	Calib	
111)	Benzo(k)fluoranthene	11.640	252	6427	No	Calib	
112)	Benzo(a)pyrene	11.904	252	6120	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.875	276	6199	No	Calib	#
115)	Dibenzo(a,h)anthracene	12.910	278	5893	No	Calib	#
116)	Benzo(ghi)perylene	13.081	276	6475	No	Calib	#

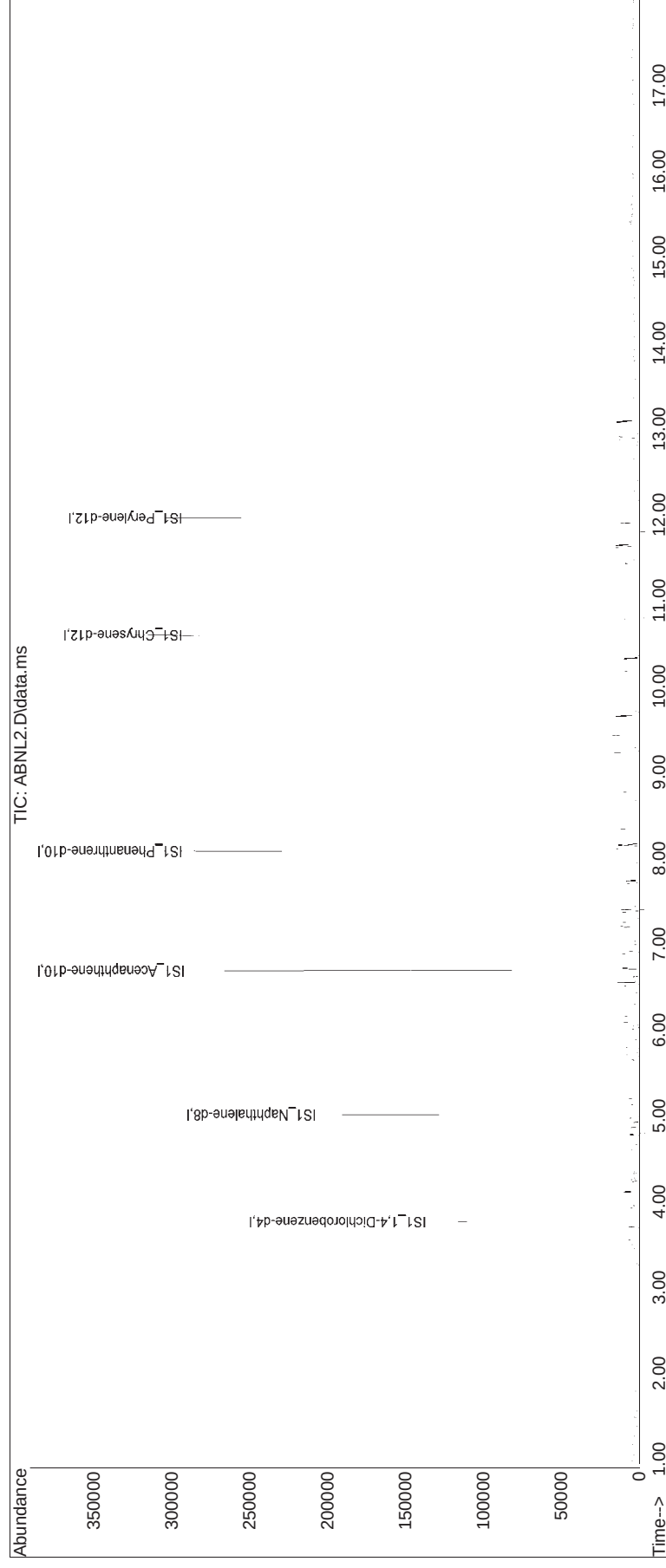
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D
Acq On : 17 Aug 2025 09:05 pm
Operator : SV112:slr
Sample : IL9,32,,ABNL0.2 Lot# 11878
Misc : WG2104073,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 05:28:31 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

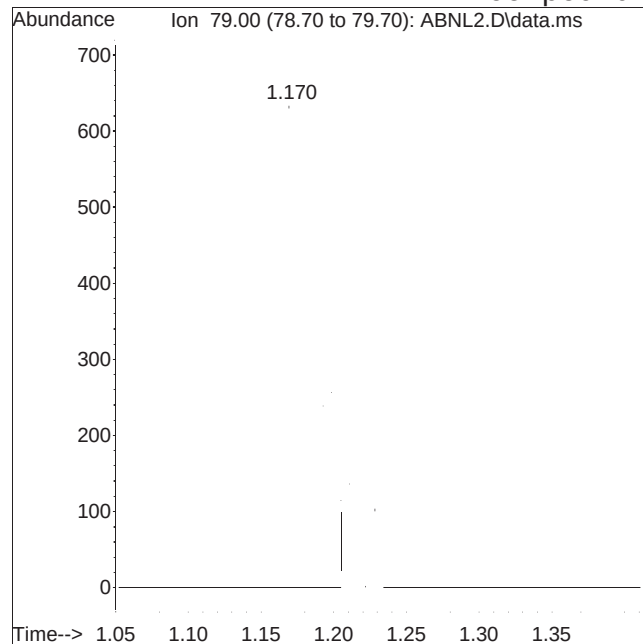
Sub List : ~~ABNL2.D~~ 8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

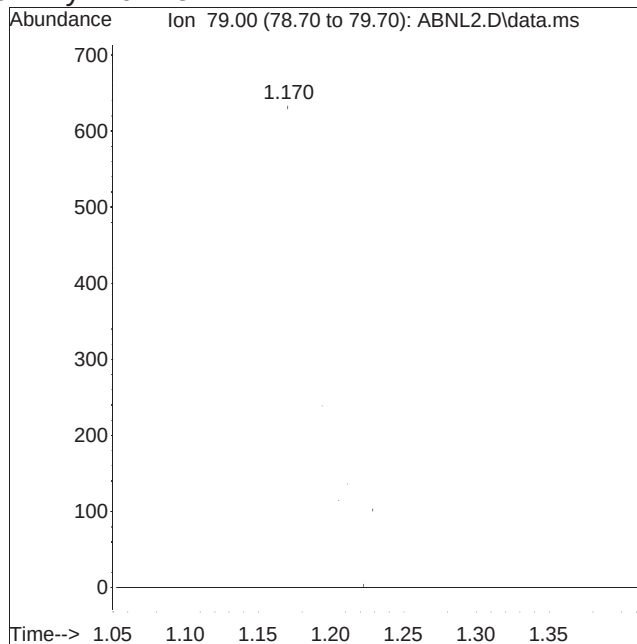
Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9, 32,, ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #3: Pyridine



Original Peak Response = 912

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

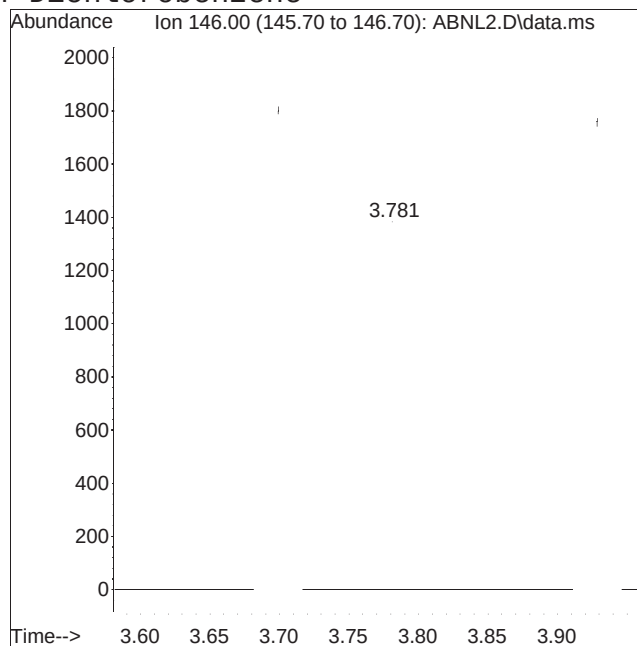
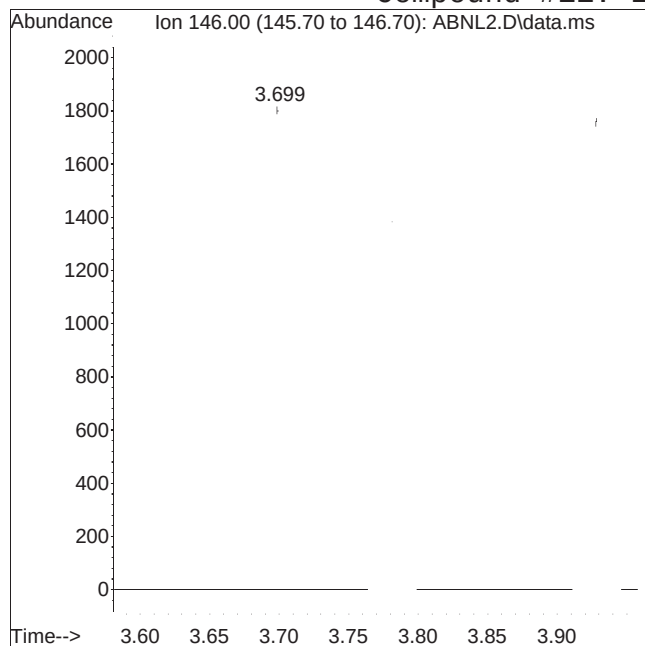


Manual Peak Response = 1039 M1

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #11: 1,4-Dichlorobenzene



Original Peak Response = 1476

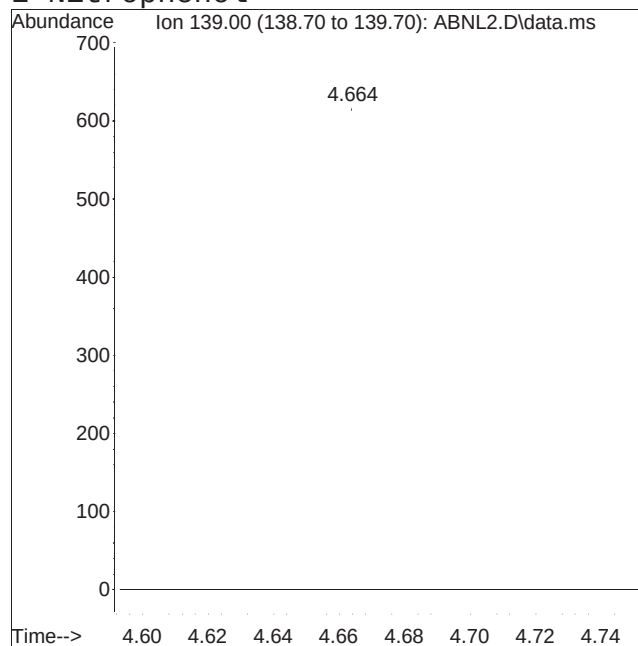
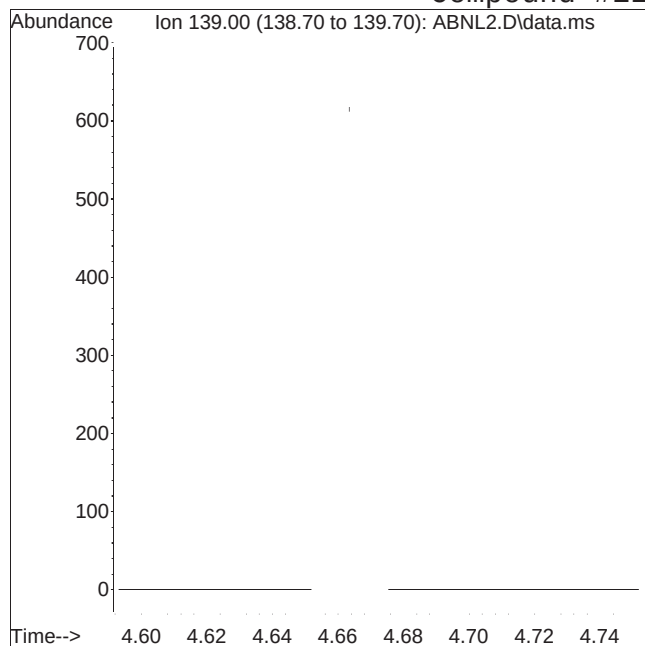
Manual Peak Response = 1390 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #22: 2-Nitrophenol



Original Peak Response = 0

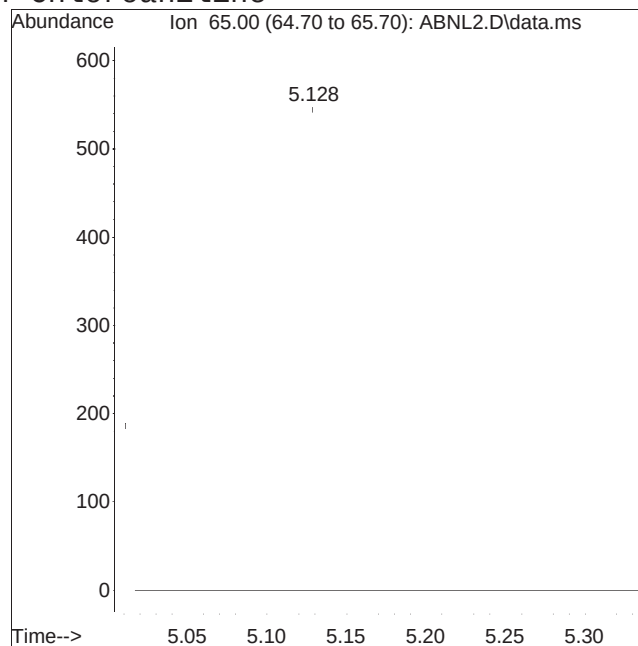
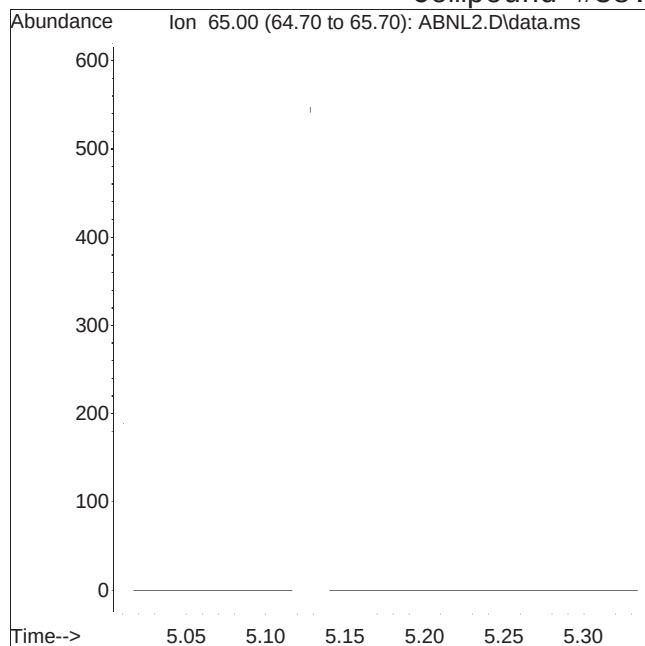
Manual Peak Response = 384 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #38: 4-Chloroaniline



Original Peak Response = 0

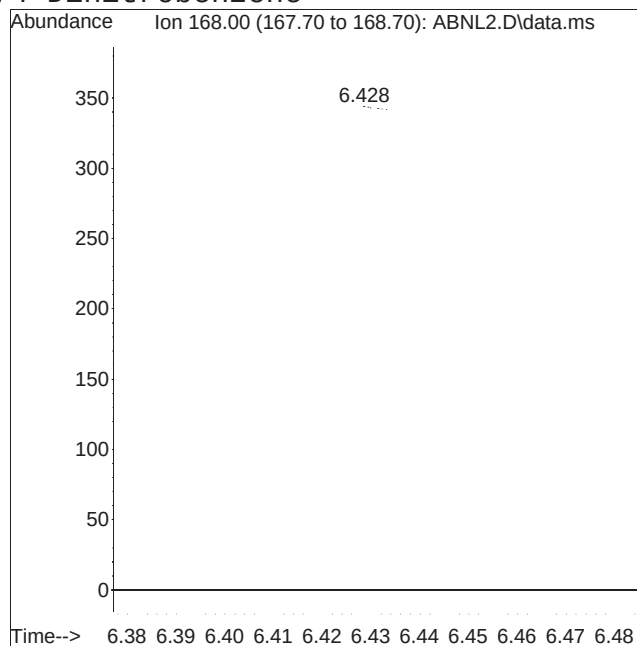
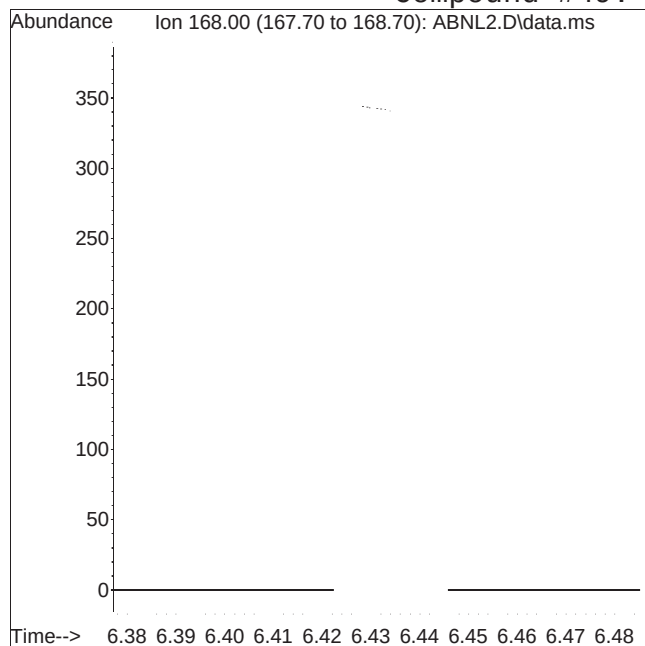
Manual Peak Response = 396 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0

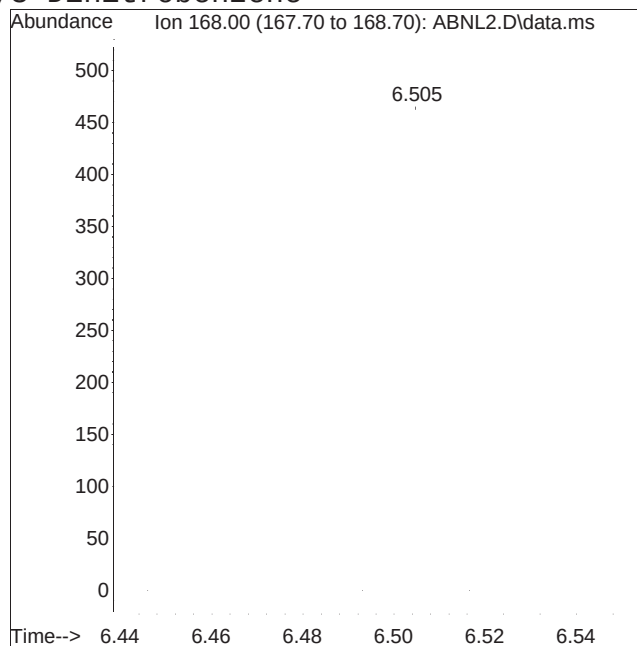
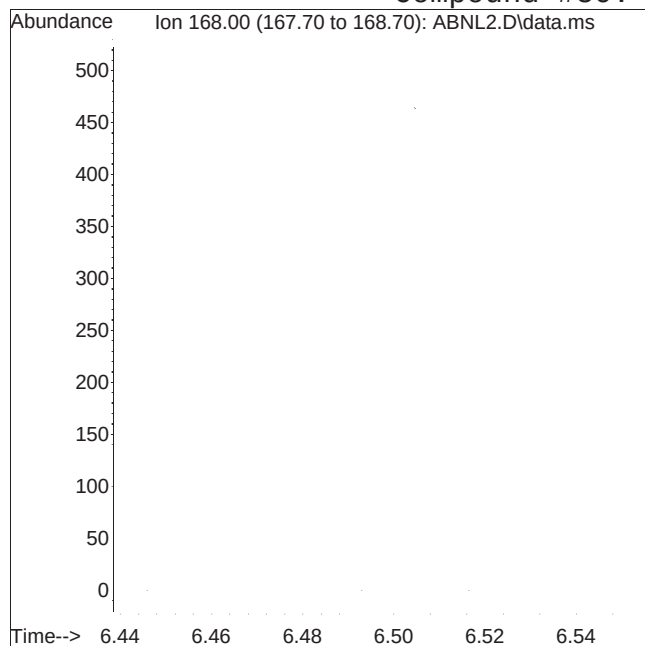
Manual Peak Response = 294 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0

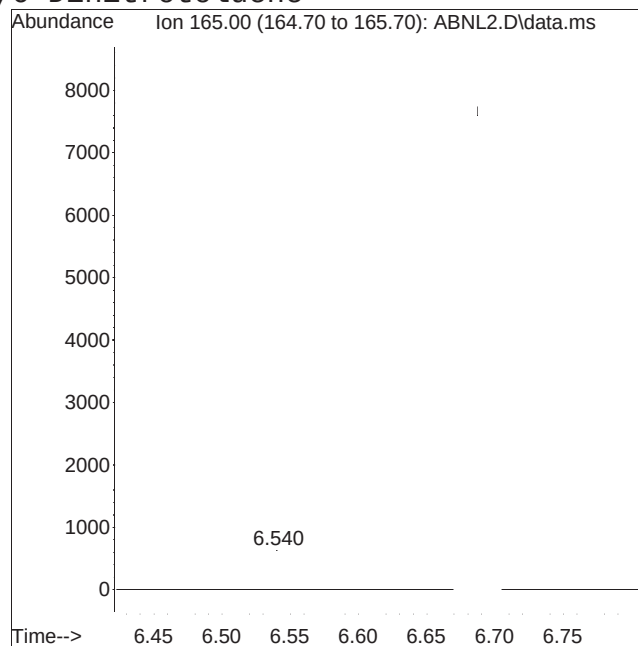
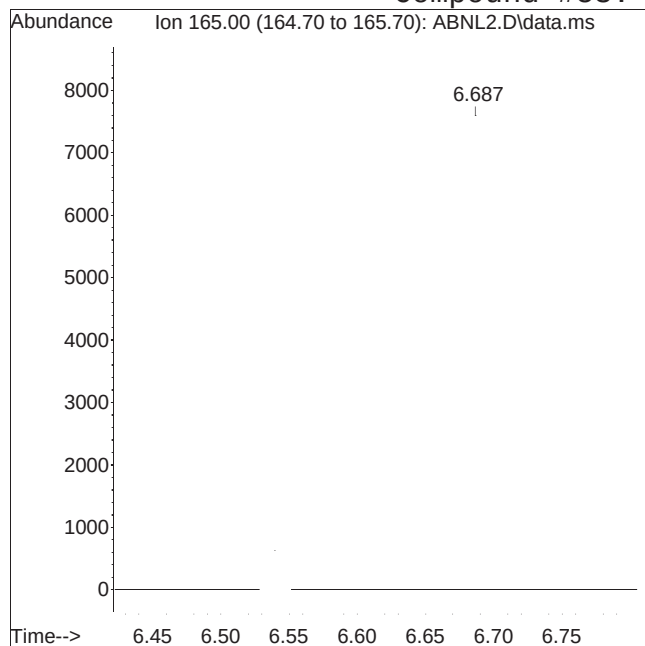
Manual Peak Response = 305 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #53: 2,6-Dinitrotoluene



Original Peak Response = 6137

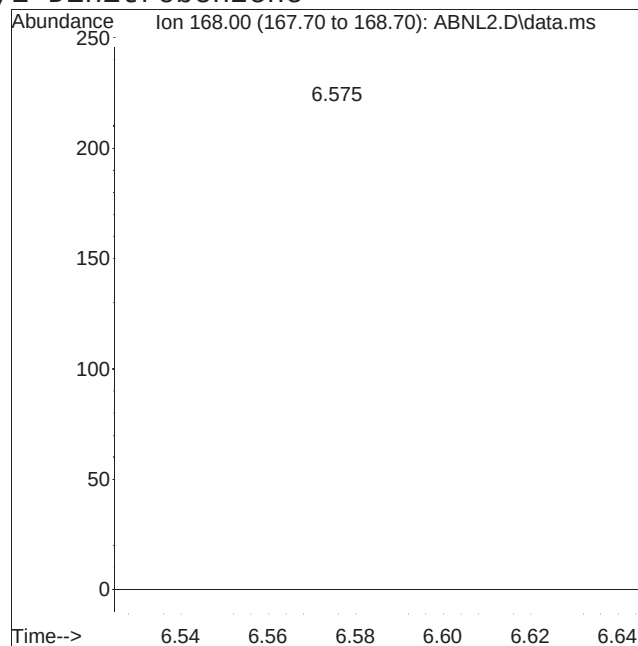
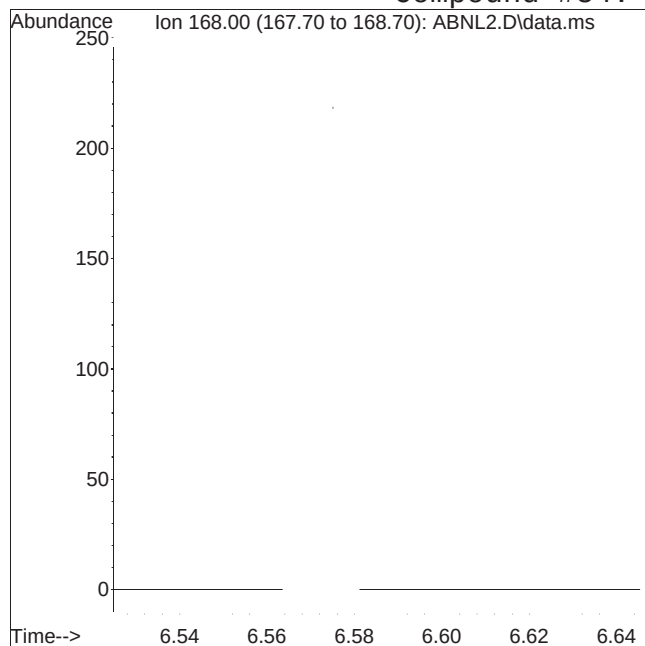
Manual Peak Response = 473 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0

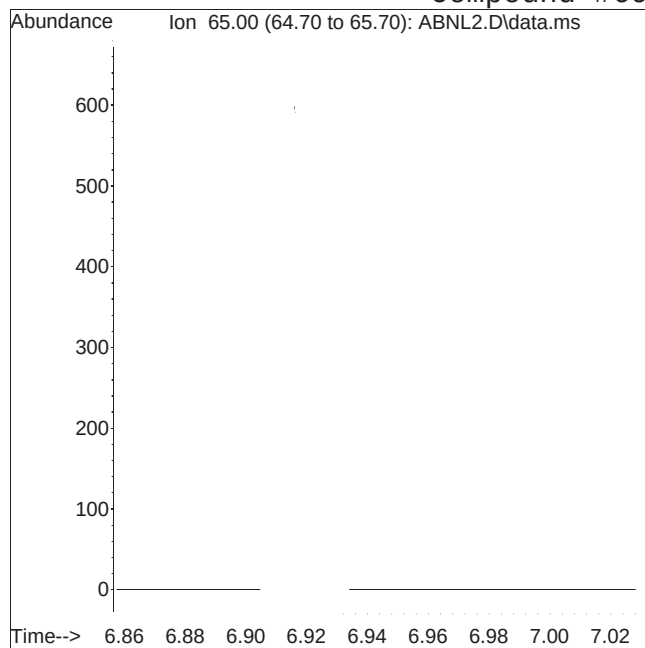
Manual Peak Response = 137 M2

M2 = Peak not found by automatic integration algorithm.

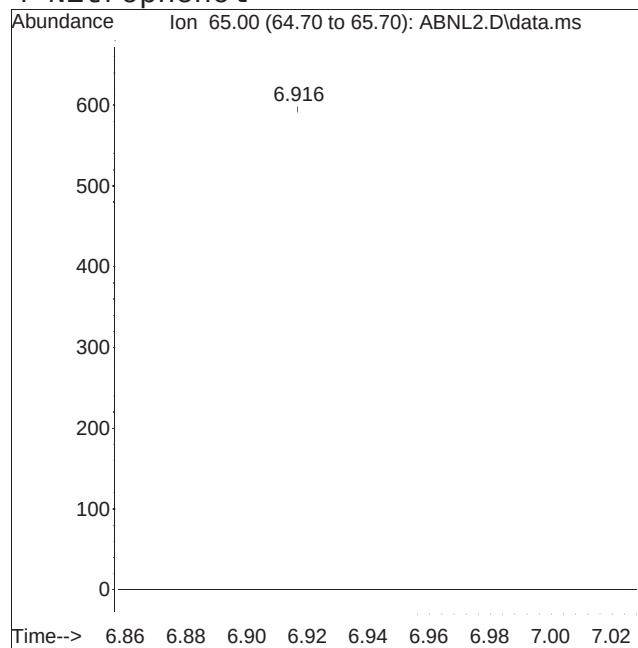
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #69: 4-Nitrophenol



Original Peak Response = 0



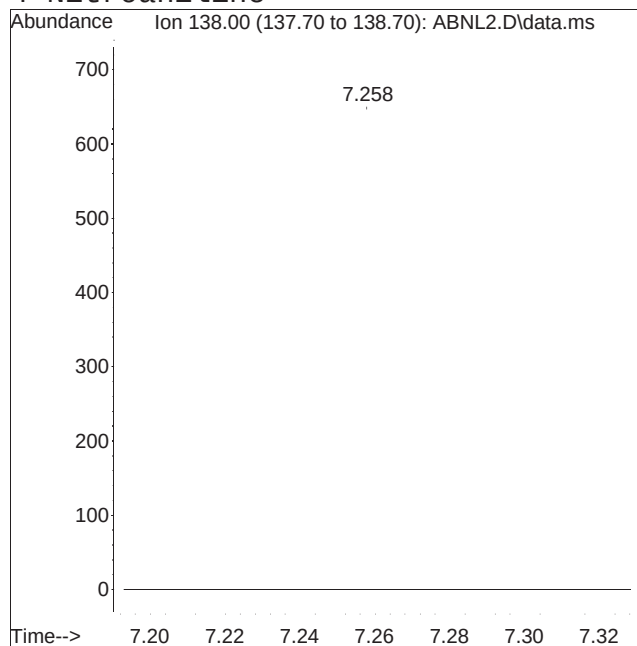
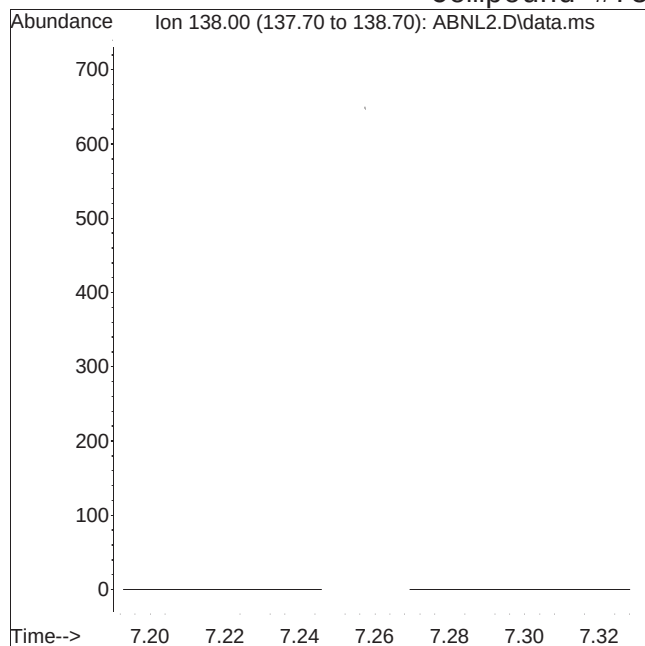
Manual Peak Response = 432 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #75: 4-Nitroaniline



Original Peak Response = 0

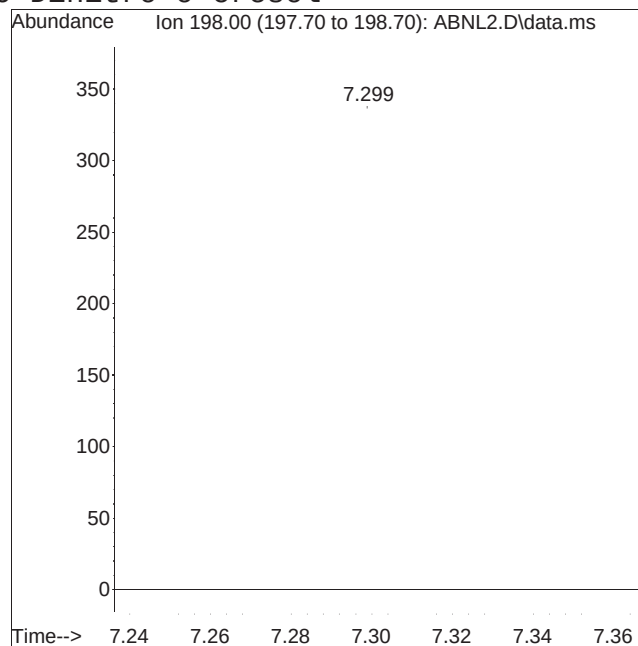
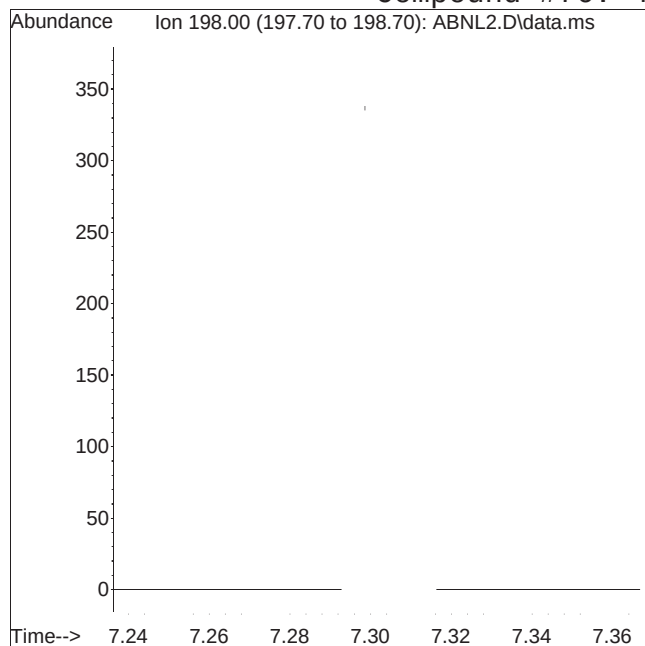
Manual Peak Response = 490 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0

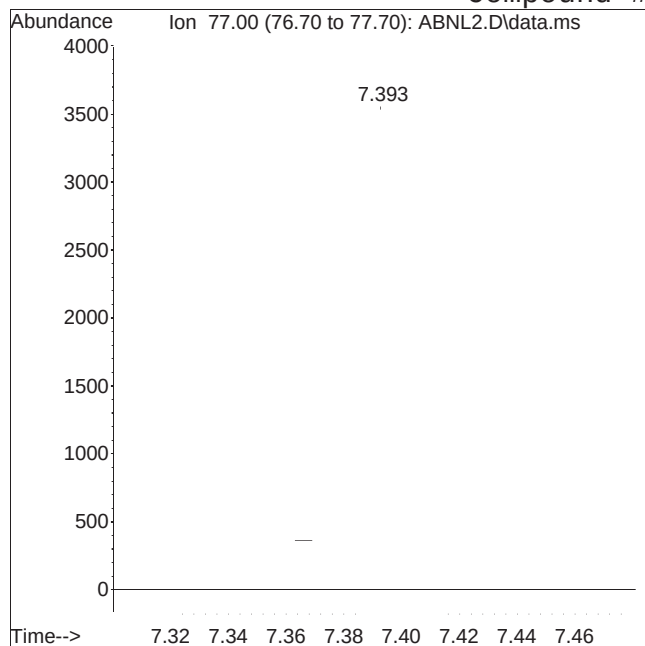
Manual Peak Response = 245 M2

M2 = Peak not found by automatic integration algorithm.

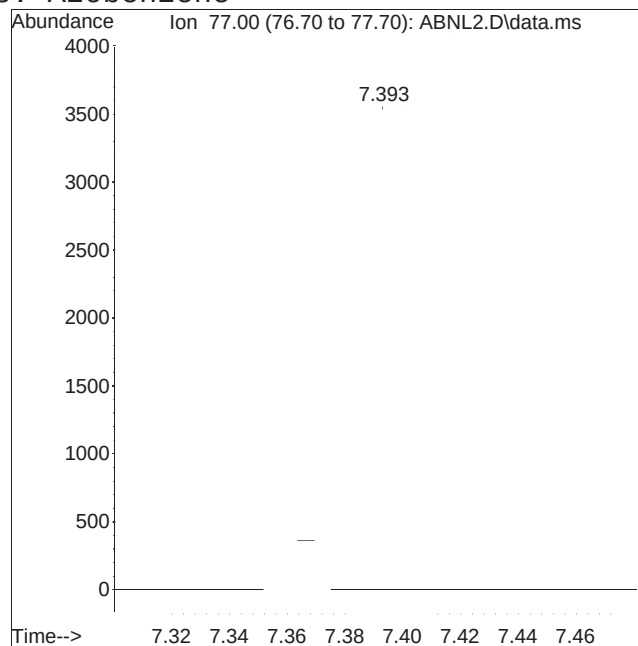
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #78: Azobenzene



Original Peak Response = 3272



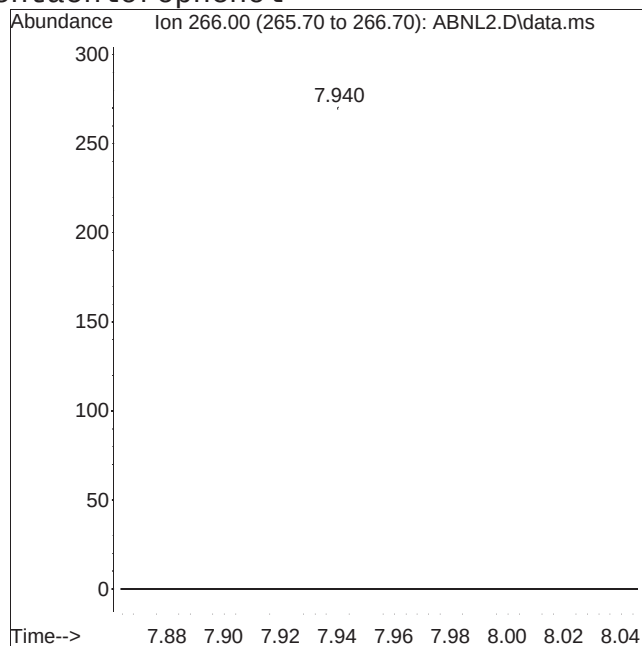
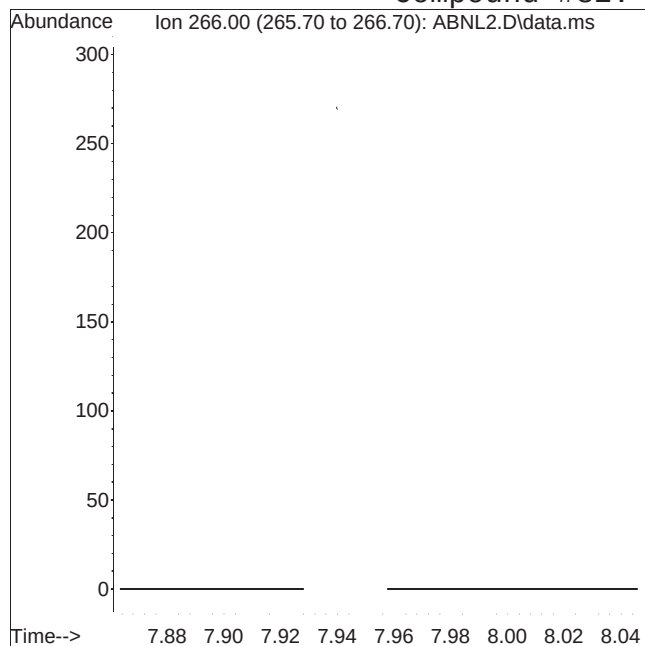
Manual Peak Response = 2890 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #82: Pentachlorophenol



Original Peak Response = 0

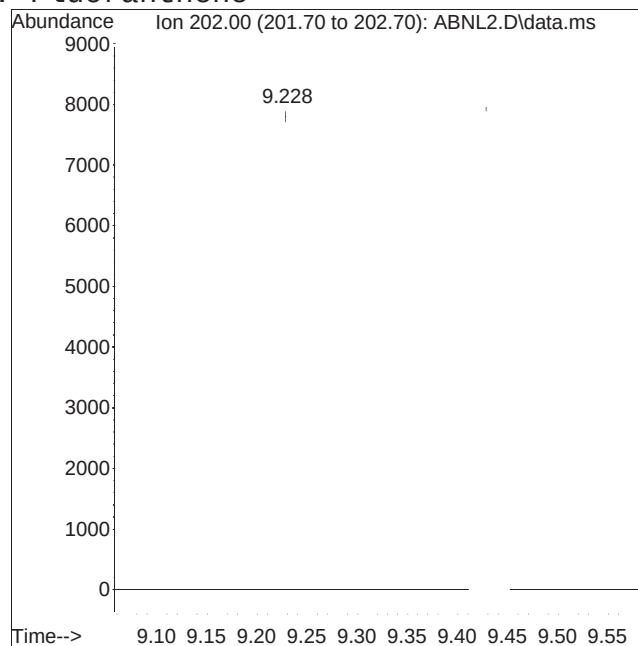
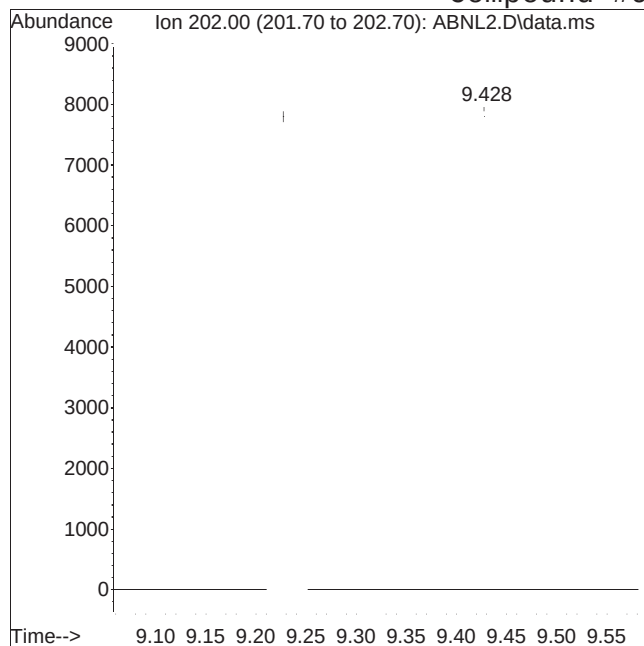
Manual Peak Response = 253 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #93: Fluoranthene



Original Peak Response = 6941

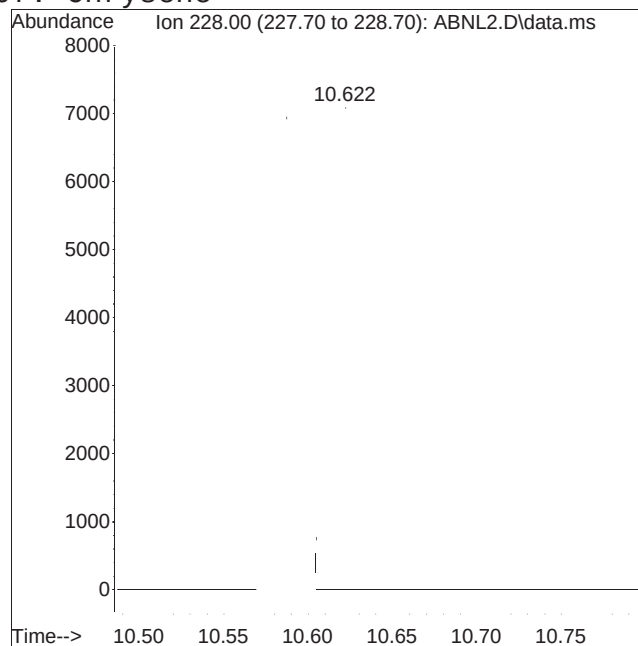
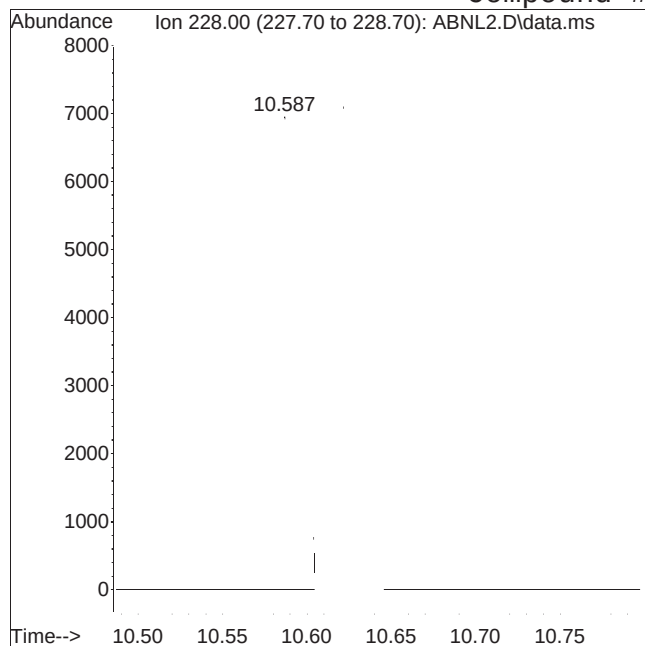
Manual Peak Response = 6643 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #107: Chrysene



Original Peak Response = 7171

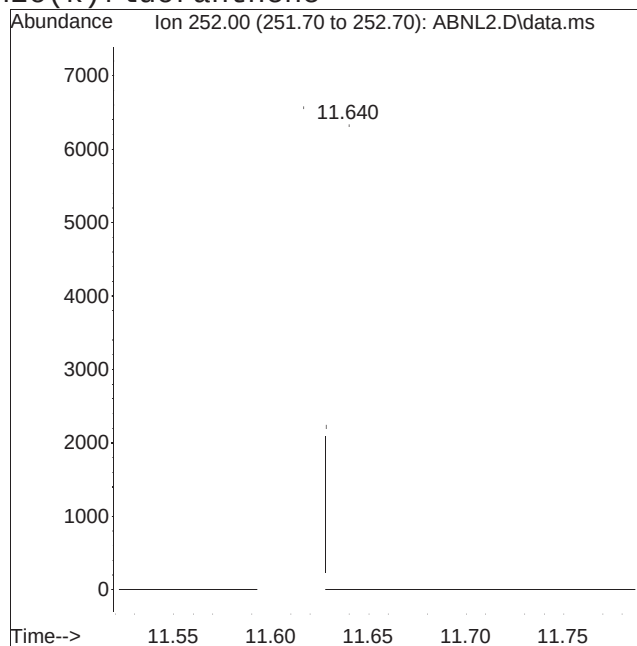
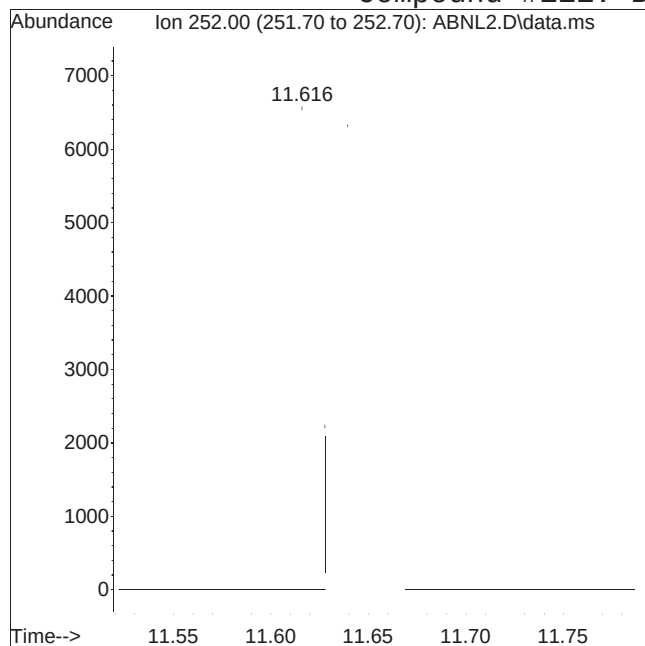
Manual Peak Response = 6956 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL2.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:05 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 11878 Quant Date : 8/18/2025 5:13 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 6823

Manual Peak Response = 6427 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL1.D
 Acq On : 17 Aug 2025 09:27 pm
 Operator : SV112:slr
 Sample : IL10,32,,ABNL0.1 Lot# 11879
 Misc : WG2104073,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	18771	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	100.31%		
35) IS1_Naphthalene-d8	5.010	136	71989	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	94.34%		
63) IS1_Acenaphthene-d10	6.687	164	45837	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	88.94%		
88) IS1_Phenanthrene-d10	8.081	188	102109	4.000	ug/ml	# 0.00
Standard Area 1 = 112327			Recovery =	90.90%		
104) IS1_Chrysene-d12	10.598	240	111302	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	89.29%		
113) IS1_Perylene-d12	11.963	264	119652	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	88.62%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.411	112	497M2	0.000	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
7) Phenol-d6	3.493	99	517	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
19) Nitrobenzene-d5	4.328	82	555	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
46) 2-Fluorobiphenyl	6.087	172	1639	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
79) 2,4,6-Tribromophenol	7.446	330	167M2	0.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	9.651	244	2870	0.000	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	0.00%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.122	74	343	No Calib		Qvalue
3) Pyridine	1.181	79	471	No Calib		
5) Aniline	3.552	93	638	No Calib	#	
6) 2-Chlorophenol	3.558	128	504	No Calib	#	
8) Phenol	3.505	94	625	No Calib	#	
9) Bis(2-chloroethyl)ether	3.552	93	638	No Calib	#	
10) 1,3-Dichlorobenzene	3.699	146	726	No Calib	#	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL1.D
 Acq On : 17 Aug 2025 09:27 pm
 Operator : SV112:slr
 Sample : IL10,32,,ABNL0.1 Lot# 11879
 Misc : WG2104073,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
11)	1,4-Dichlorobenzene	3.781	146	788	No	Calib	#
12)	1,2-Dichlorobenzene	3.928	146	740	No	Calib	#
13)	Benzyl alcohol	3.958	79	356	No	Calib	
14)	Bis(2-chloroisopropyl)...	4.111	45	922	No	Calib	#
15)	2-Methylphenol	4.111	108	420	No	Calib	
16)	Hexachloroethane	4.258	117	238	No	Calib	
17)	n-Nitrosodi-n-propylamine	4.240	70	432	No	Calib	
18)	3-Methylphenol/4-Methy...	4.275	108	512	No	Calib	#
20)	Nitrobenzene	4.346	77	574	No	Calib	#
21)	Isophorone	4.605	82	1236	No	Calib	#
22)	2-Nitrophenol	4.663	139	225	No	Calib	
23)	2,4-Dimethylphenol	4.781	107	494	No	Calib	
24)	Bis(2-chloroethoxy)met...	4.858	93	771	No	Calib	#
25)	2,4-Dichlorophenol	4.916	162	428	No	Calib	
26)	1,2,4-Trichlorobenzene	4.975	180	730	No	Calib	#
36)	Naphthalene	5.028	128	1981	No	Calib	#
37)	Benzoic Acid	0.000		0		N.D.	
38)	4-Chloroaniline	5.128	65	230	No	Calib	
39)	Hexachlorobutadiene	5.199	225	471	No	Calib	
40)	p-Chloro-m-cresol	5.652	107	434	No	Calib	
41)	2-Methylnaphthalene	5.710	142	1199	No	Calib	#
42)	1-Methylnaphthalene	5.799	115	547	No	Calib	
43)	Hexachlorocyclopentadiene	5.881	237	244	No	Calib	
44)	2,4,6-Trichlorophenol	6.010	196	402	No	Calib	
45)	2,4,5-Trichlorophenol	6.040	196	385	No	Calib	
47)	2-Chloronaphthalene	6.163	162	1351	No	Calib	#
48)	2-Nitroaniline	6.299	138	317	No	Calib	
49)	1,4-Dinitrobenzene	6.428	168	144	No	Calib	
50)	1,3-Dinitrobenzene	6.505	168	120	No	Calib	
51)	Dimethyl phthalate	6.510	163	1608	No	Calib	#
52)	Acenaphthylene	6.546	152	2214	No	Calib	#
53)	2,6-Dinitrotoluene	0.000		0		N.D.	d
54)	1,2-Dinitrobenzene	6.528		0		N.D.	
64)	3-Nitroaniline	6.687	138	247	No	Calib	
65)	Acenaphthene	6.716	154	1271	No	Calib	
66)	2,4-Dinitrophenol	0.000		0		N.D.	
67)	Dibenzofuran	6.887	168	2184	No	Calib	
68)	2,4-Dinitrotoluene	6.916	165	349	No	Calib	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL1.D
 Acq On : 17 Aug 2025 09:27 pm
 Operator : SV112:slr
 Sample : IL10,32,,ABNL0.1 Lot# 11879
 Misc : WG2104073,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	4-Nitrophenol	6.922	65	147	No	Calib	
70)	2,3,5,6-Tetrachlorophenol	6.993	232	269	No	Calib	
71)	2,3,4,6-Tetrachlorophenol	7.034	232	315	No	Calib	
72)	Diethyl phthalate	7.193	149	1771	No	Calib	#
73)	Fluorene	7.210	166	1868	No	Calib	#
74)	4-Chlorophenyl phenyl ...	7.252	204	980	No	Calib	#
75)	4-Nitroaniline	7.263	138	207	No	Calib	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	7.369	169	1416	No	Calib	
78)	Azobenzene	7.393	77	1347	No	Calib	
80)	4-Bromophenyl phenyl e...	7.704	248	555	No	Calib	#
81)	Hexachlorobenzene	7.734	284	796	No	Calib	#
82)	Pentachlorophenol	0.000		0		N.D.	d
89)	Phenanthrene	8.104	178	2915	No	Calib	#
90)	Anthracene	8.151	178	2877	No	Calib	#
91)	Carbazole	8.334	167	2347	No	Calib	#
92)	Di-n-butylphthalate	8.763	149	2722	No	Calib	#
93)	Fluoranthene	9.228	202	3513	No	Calib	
94)	Benzidine	0.000		0		N.D.	
95)	Pyrene	9.428	202	3354	No	Calib	
97)	Butyl benzyl phthalate	10.175	149	1040	No	Calib	#
105)	Benzo(a)anthracene	10.587	228	4007	No	Calib	
106)	3,3'-Dichlorobenzidine	10.622	252	1199	No	Calib	#
107)	Chrysene	10.622	228	3613	No	Calib	
108)	Bis(2-ethylhexyl)phtha...	10.793	149	1659	No	Calib	#
109)	Di-n-octylphthalate	11.428	149	2632	No	Calib	#
110)	Benzo(b)fluoranthene	11.616	252	3710	No	Calib	#
111)	Benzo(k)fluoranthene	11.640	252	3551	No	Calib	
112)	Benzo(a)pyrene	11.904	252	3169	No	Calib	#
114)	Indeno(1,2,3-cd)pyrene	12.875	276	3021	No	Calib	
115)	Dibenzo(a,h)anthracene	12.910	278	2930	No	Calib	
116)	Benzo(ghi)perylene	13.081	276	3157	No	Calib	

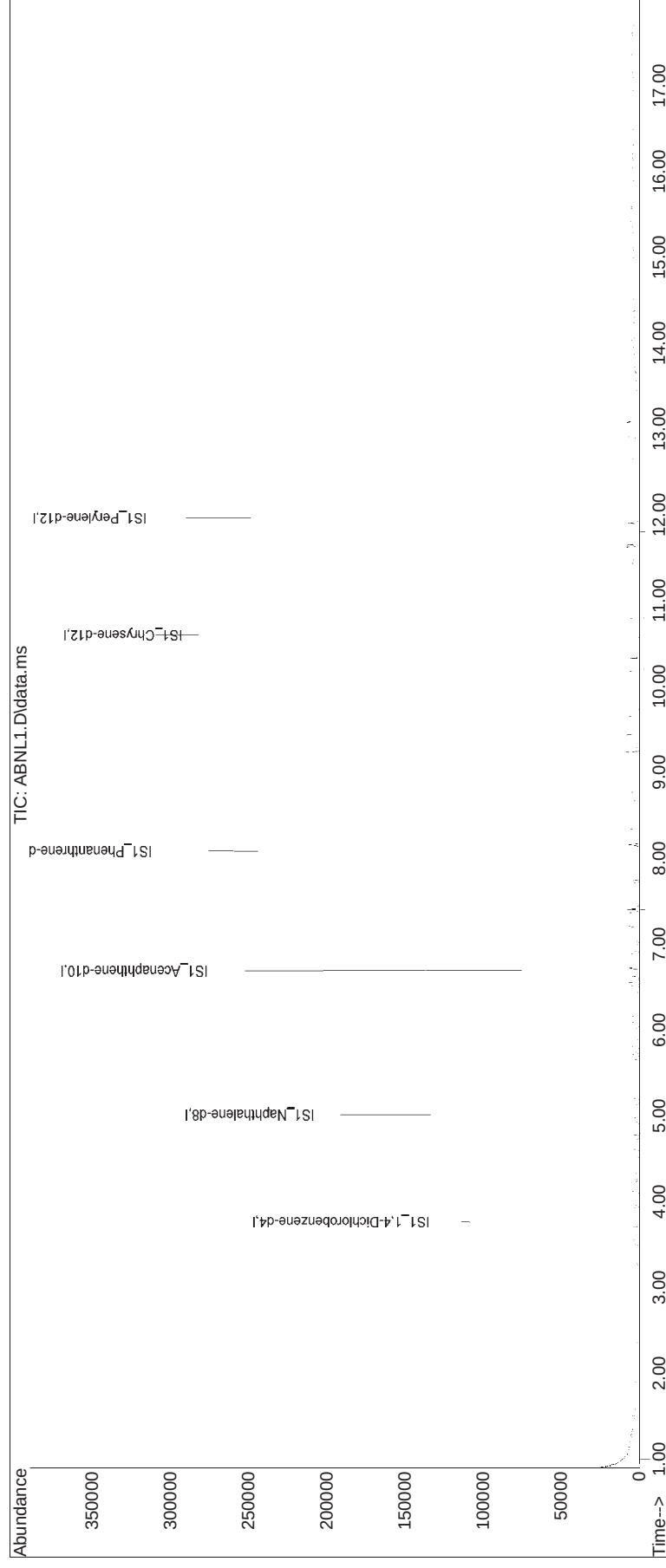
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL1.D
Acq On : 17 Aug 2025 09:27 pm
Operator : SV112:slr
Sample : IL10,32,,ABNL0.1 Lot# 11879
Misc : WG2104073,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 18 05:26:53 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Mon Aug 18 05:13:00 2025
Response via : Initial Calibration

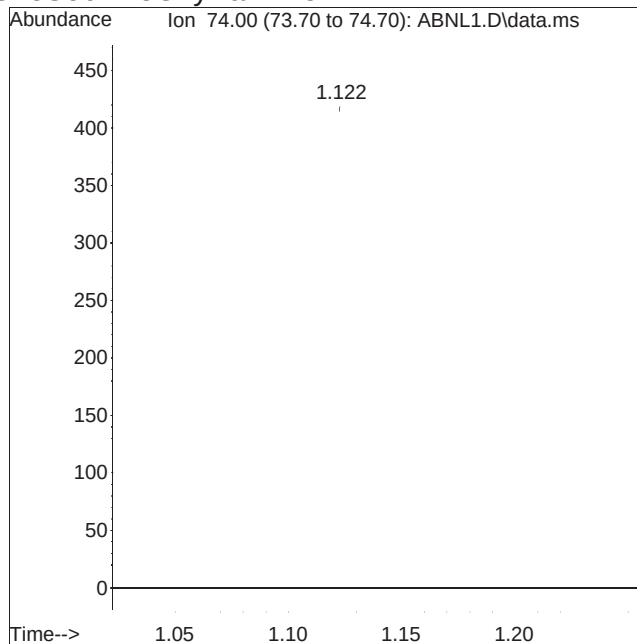
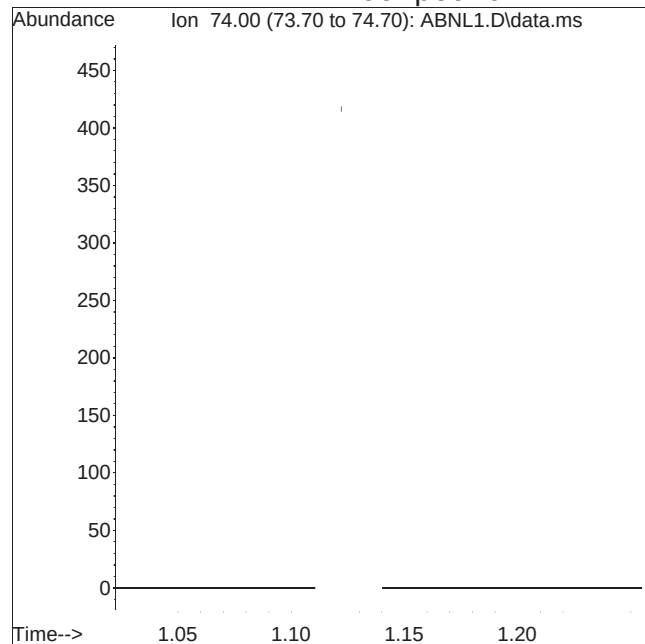
Sub List : ~~ABNL1\8270\SV112\250817RVTical\AP9L6.D~~



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTicalQMethod : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0

Manual Peak Response = 343 M2

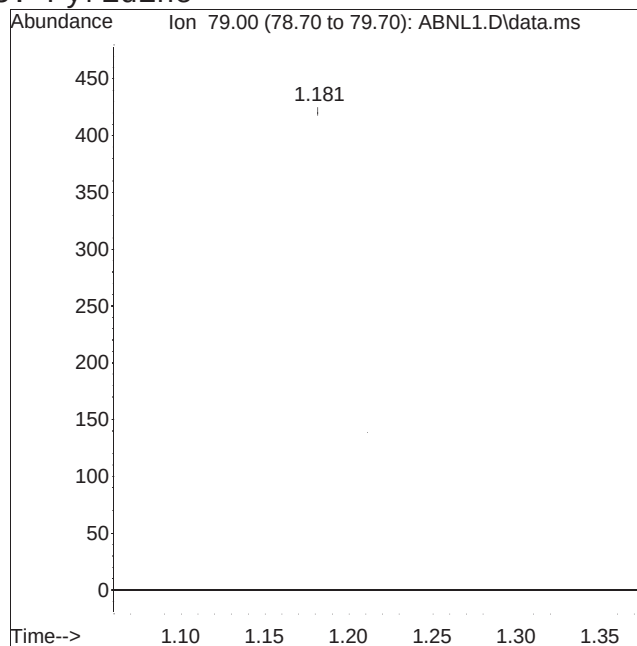
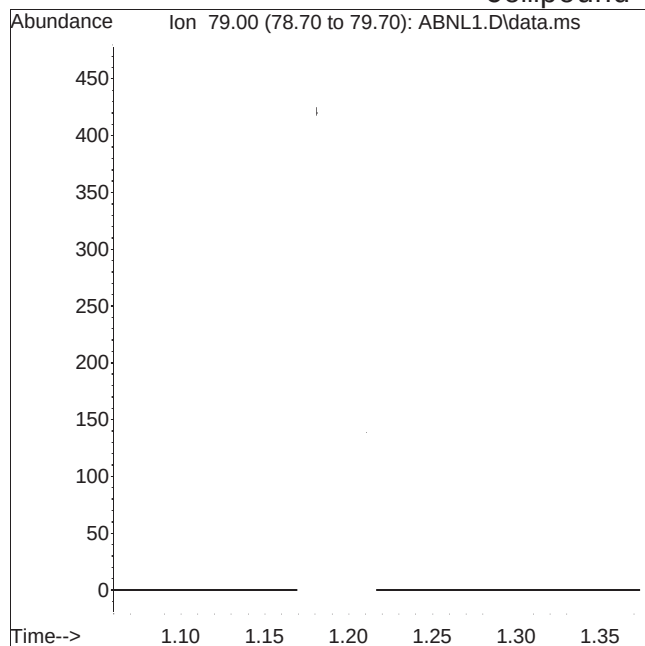
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #3: Pyridine



Original Peak Response = 0

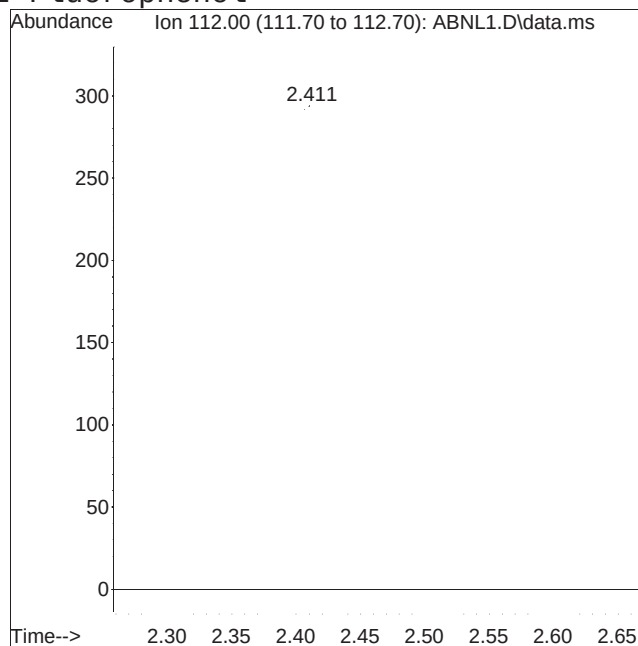
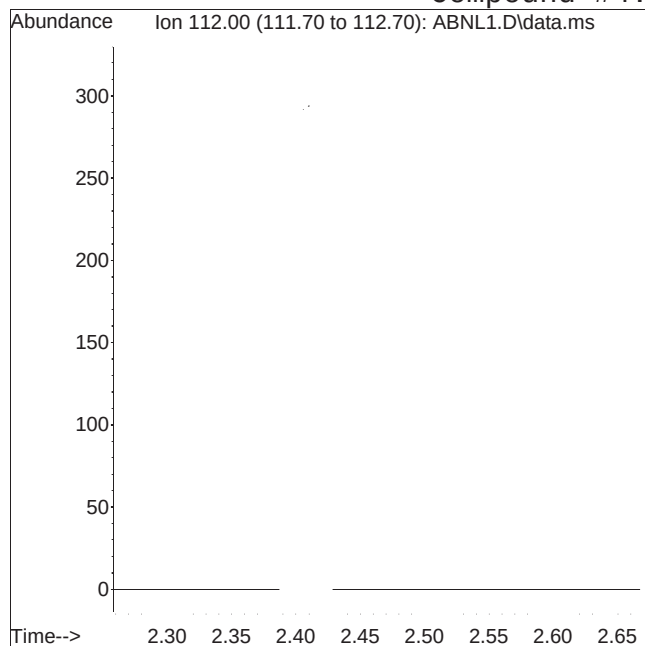
Manual Peak Response = 471 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #4: 2-Fluorophenol



Original Peak Response = 0

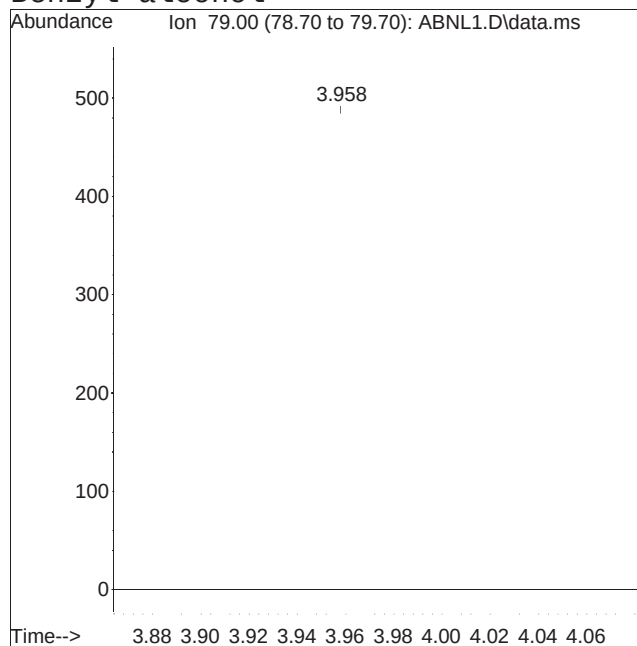
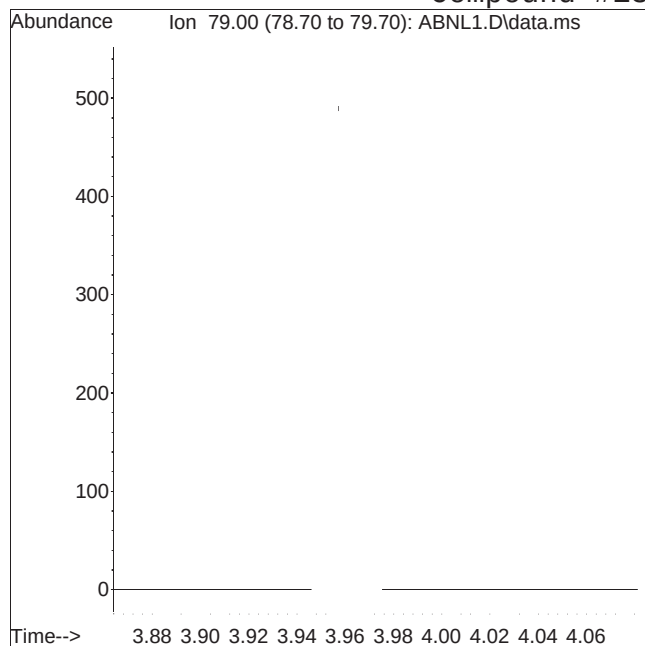
Manual Peak Response = 497 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187

Compound #13: Benzyl alcohol



Original Peak Response = 0

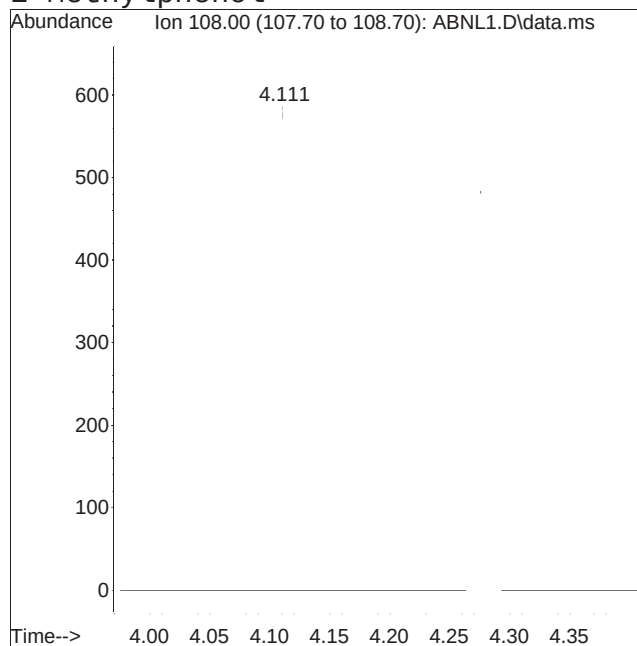
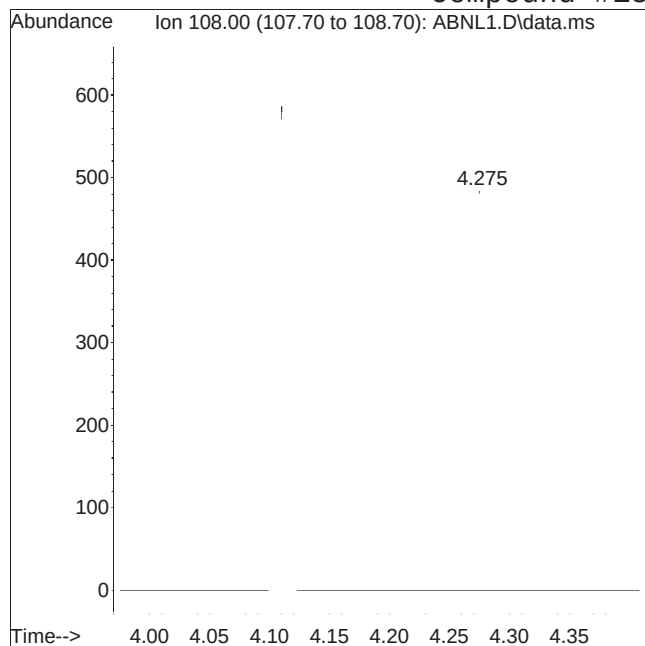
Manual Peak Response = 356 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #15: 2-Methylphenol



Original Peak Response = 512

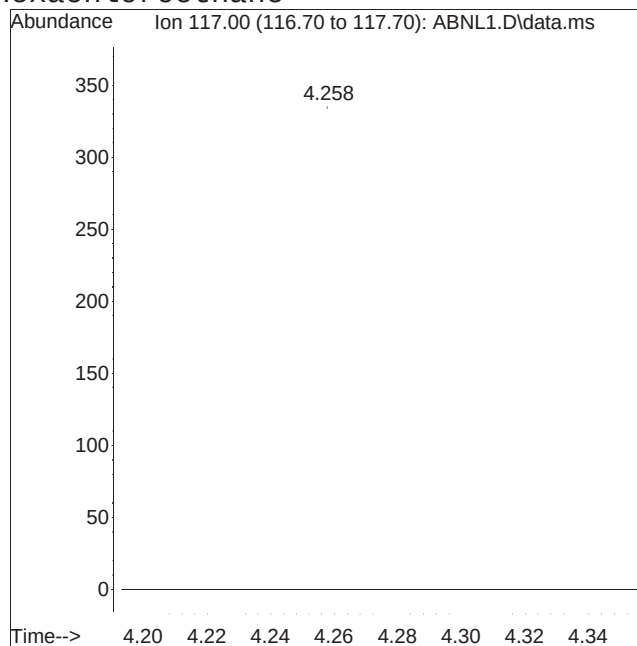
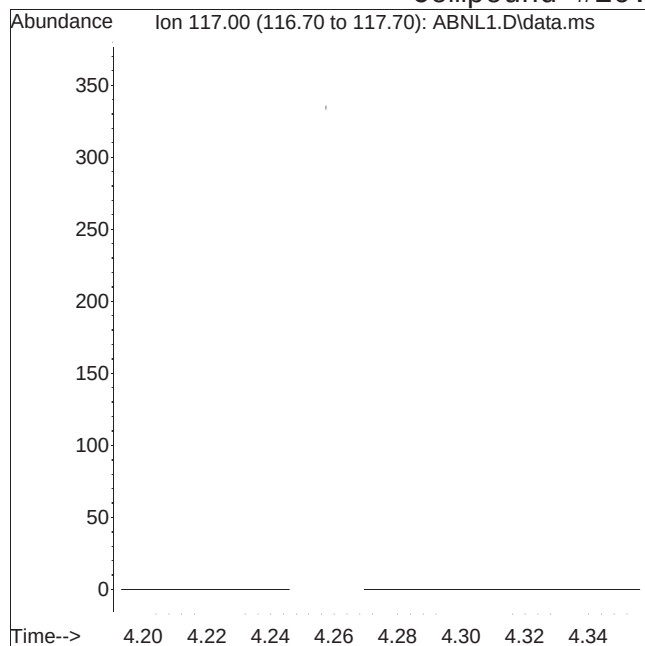
Manual Peak Response = 420 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #16: Hexachloroethane



Original Peak Response = 0

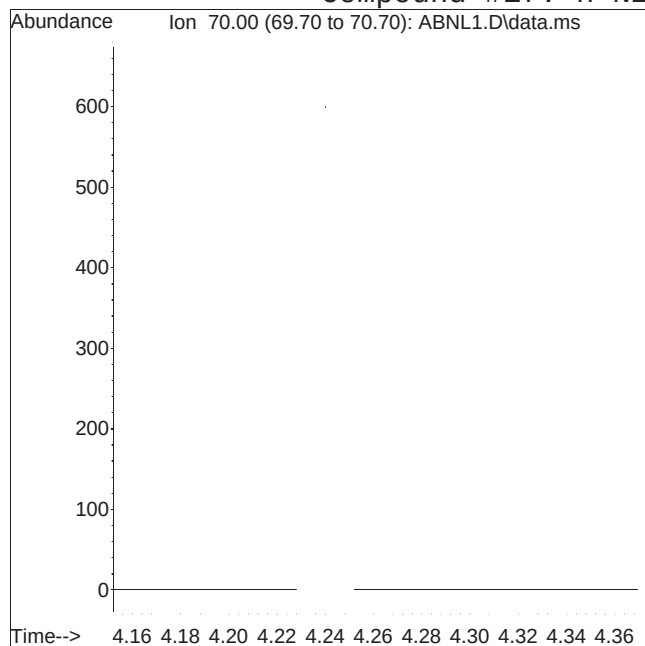
Manual Peak Response = 238 M2

M2 = Peak not found by automatic integration algorithm.

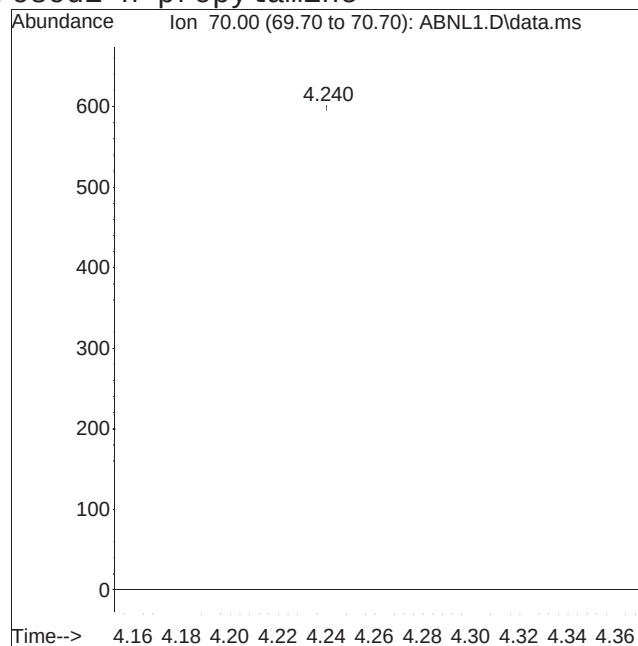
Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #17: n-Nitrosodi-n-propylamine



Original Peak Response = 0



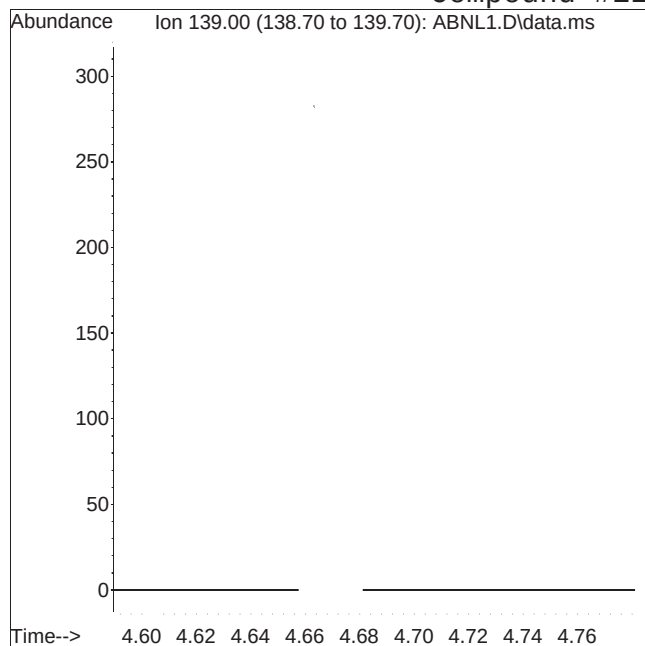
Manual Peak Response = 432 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

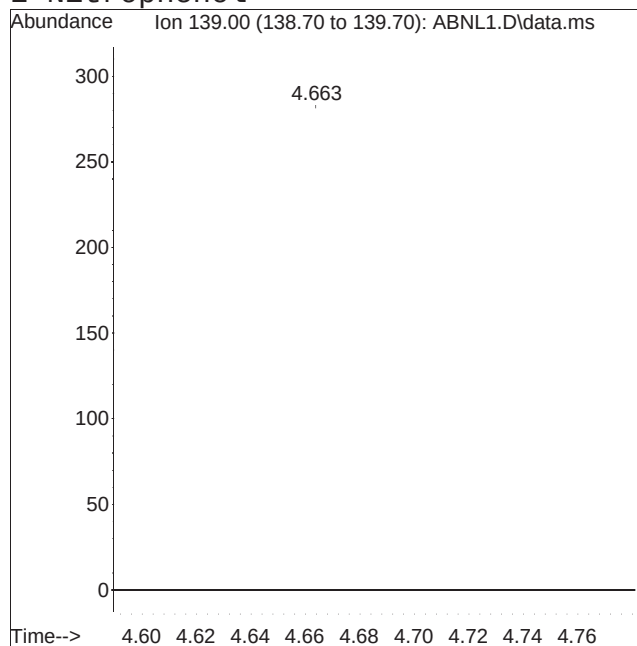
Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #22: 2-Nitrophenol



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

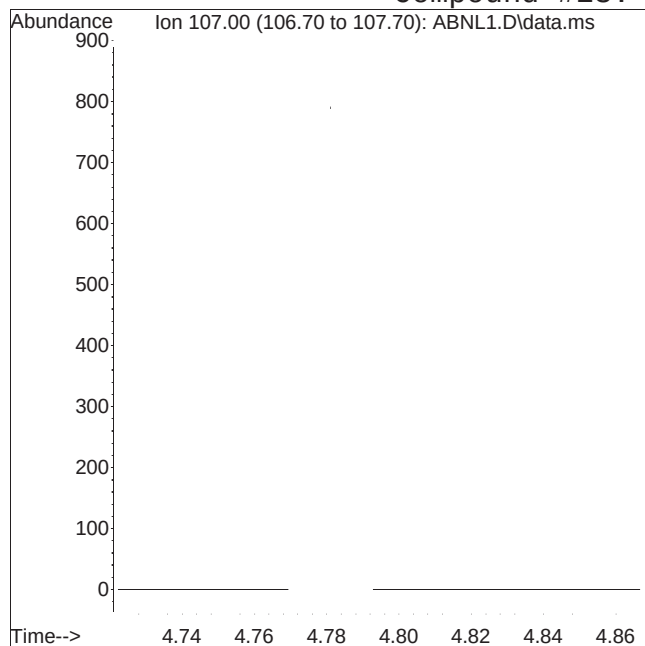


Manual Peak Response = 225 M2

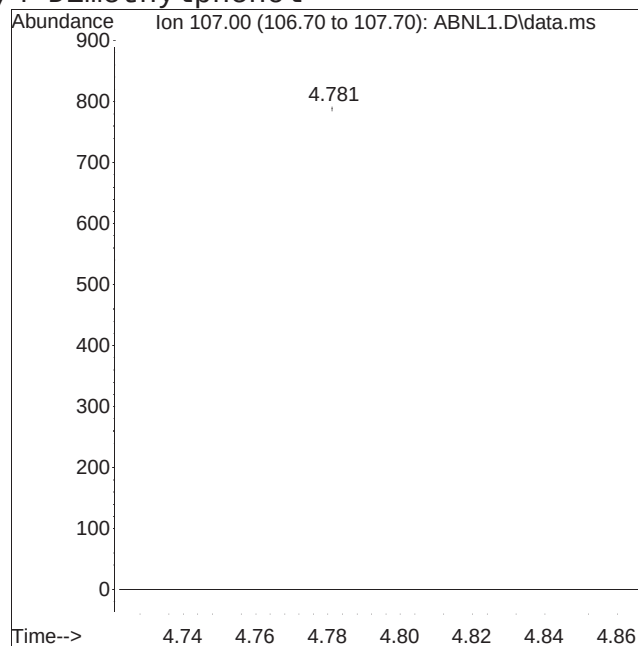
Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #23: 2,4-Dimethylphenol



Original Peak Response = 0



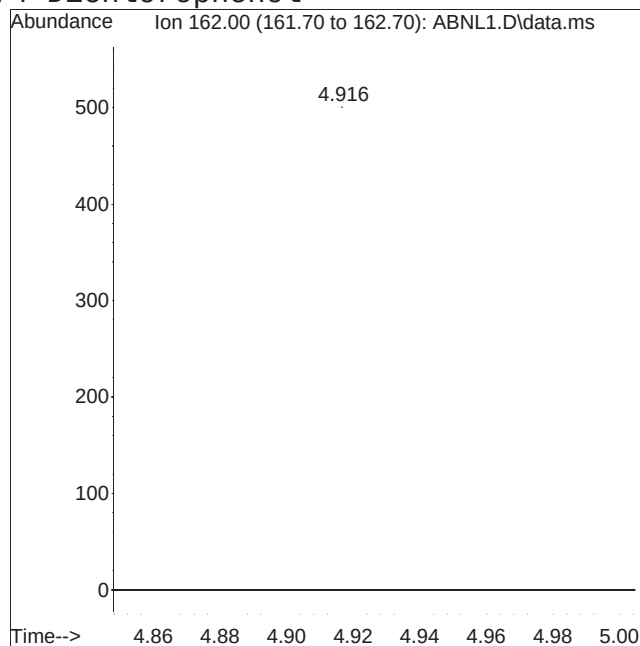
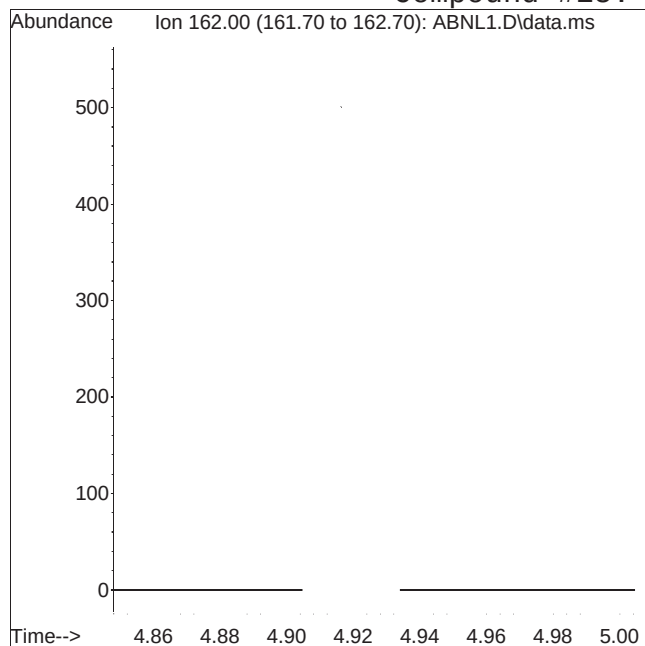
Manual Peak Response = 494 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #25: 2,4-Dichlorophenol



Original Peak Response = 0

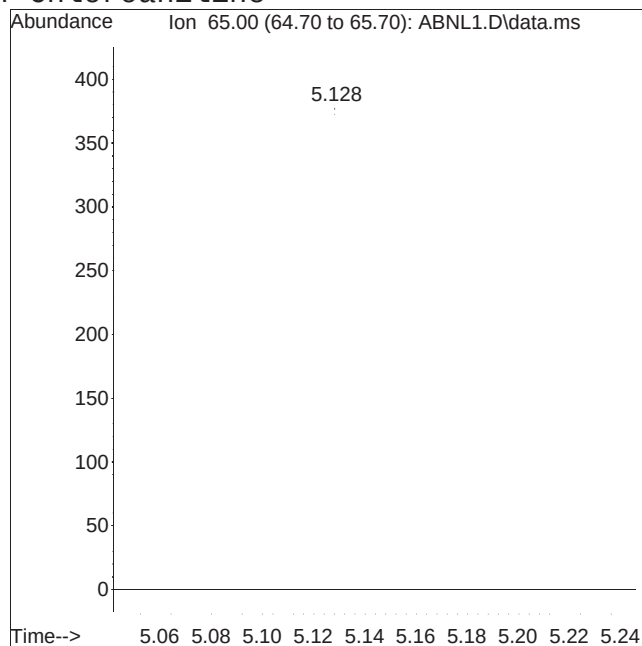
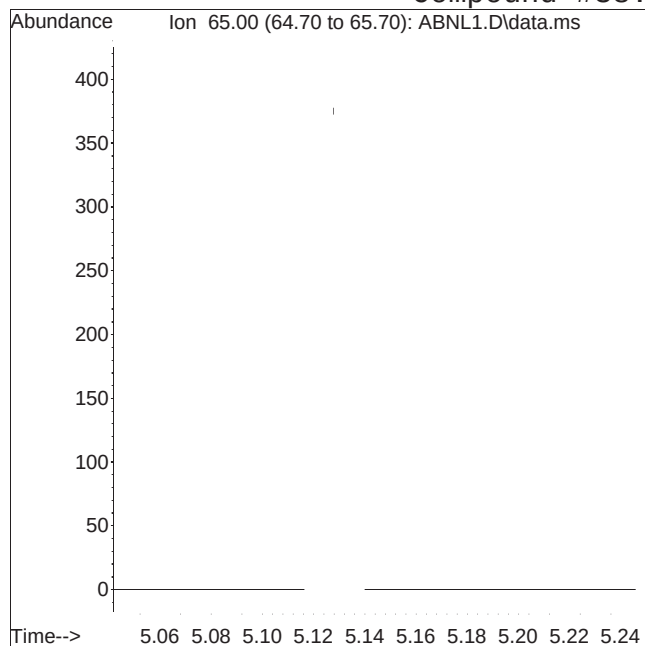
Manual Peak Response = 428 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #38: 4-Chloroaniline



Original Peak Response = 0

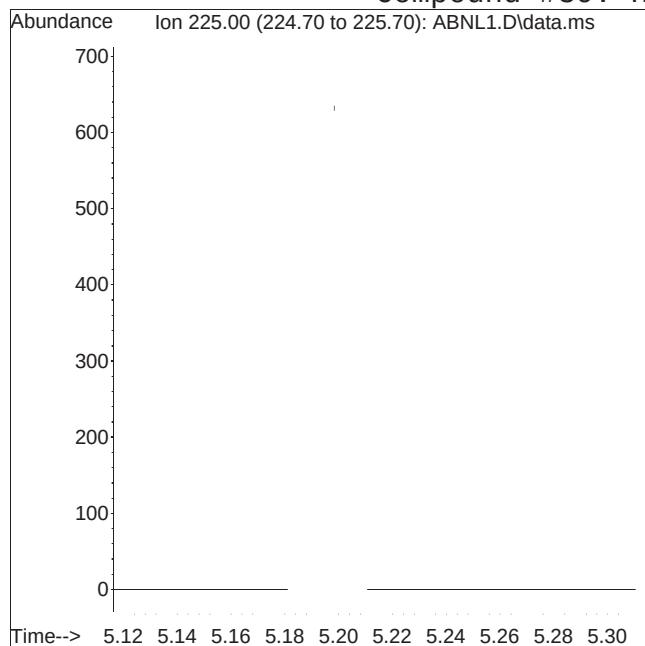
Manual Peak Response = 230 M2

M2 = Peak not found by automatic integration algorithm.

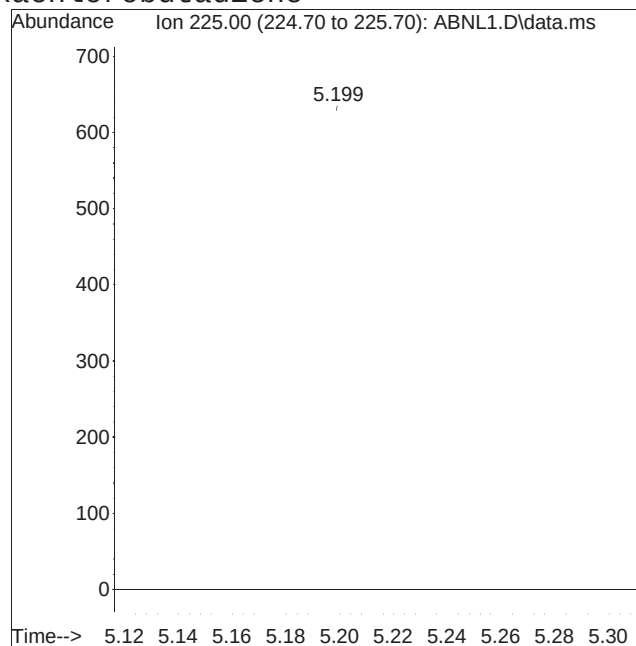
Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #39: Hexachlorobutadiene



Original Peak Response = 0



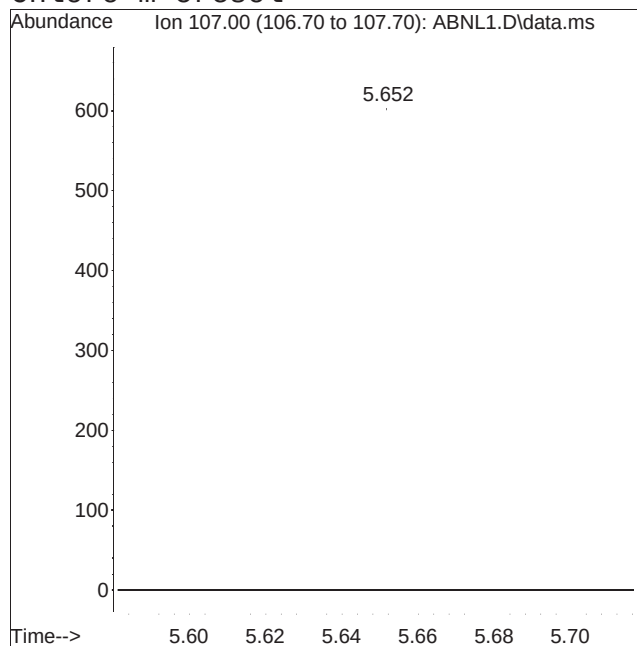
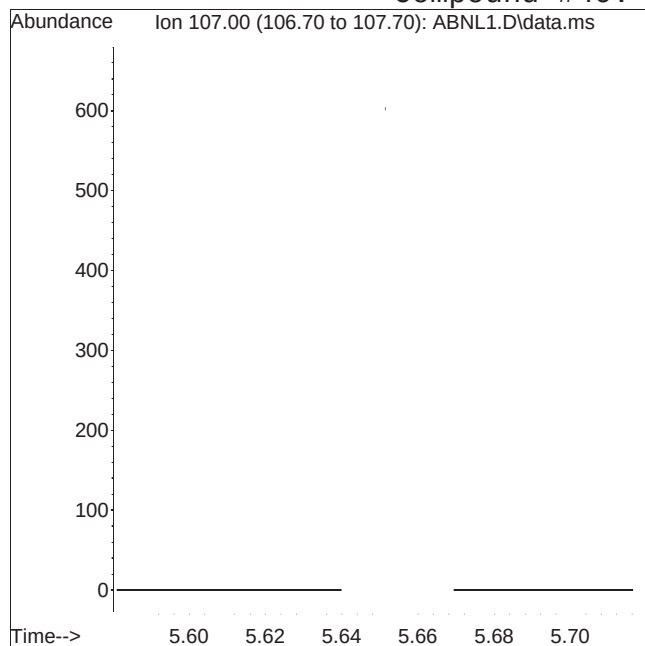
Manual Peak Response = 471 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #40: p-Chloro-m-cresol



Original Peak Response = 0

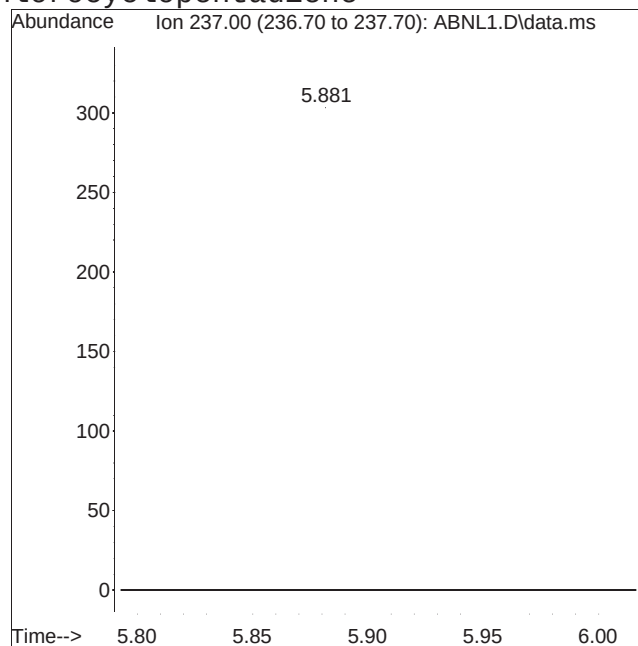
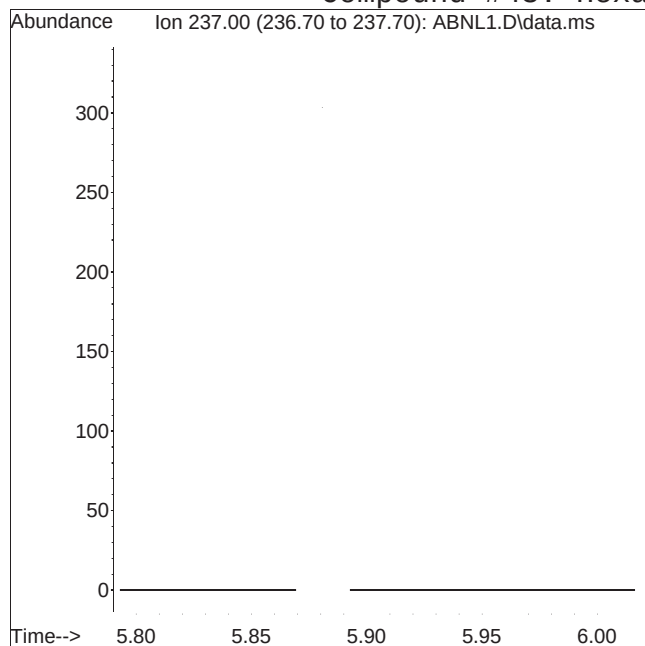
Manual Peak Response = 434 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #43: Hexachlorocyclopentadiene



Original Peak Response = 0

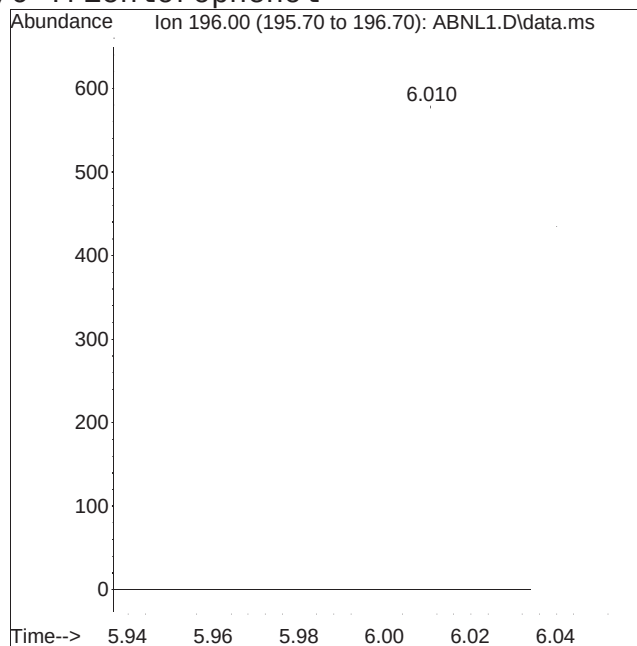
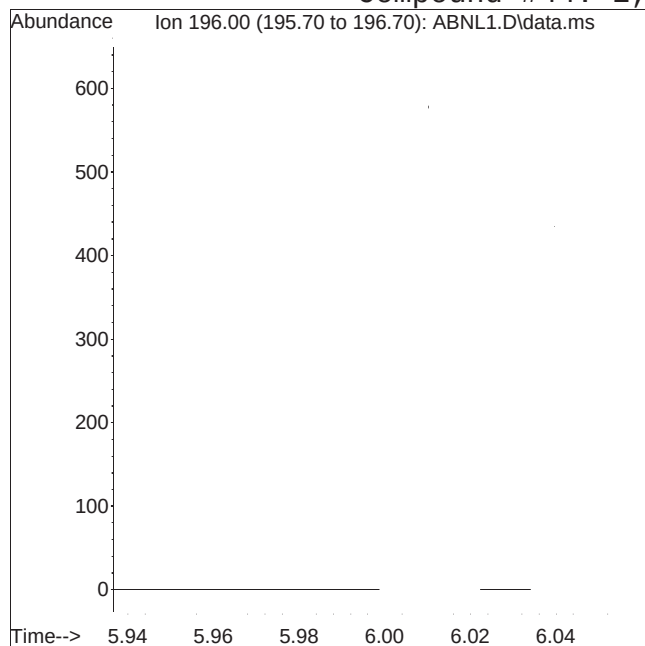
Manual Peak Response = 244 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 0

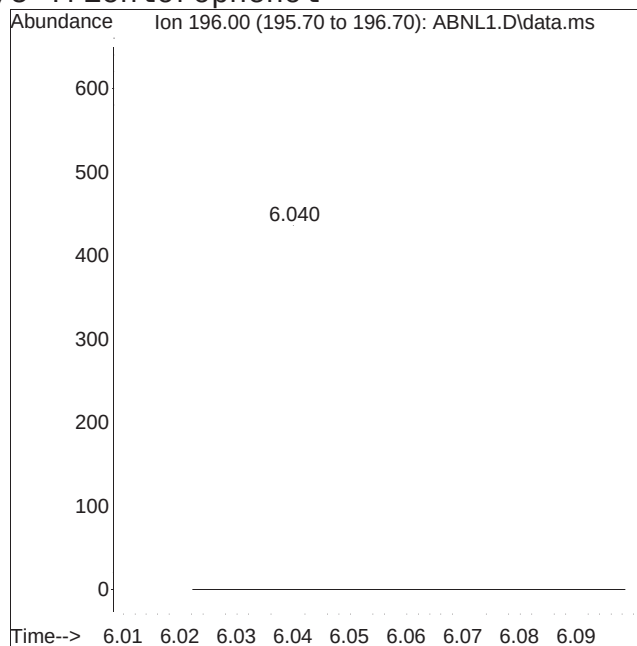
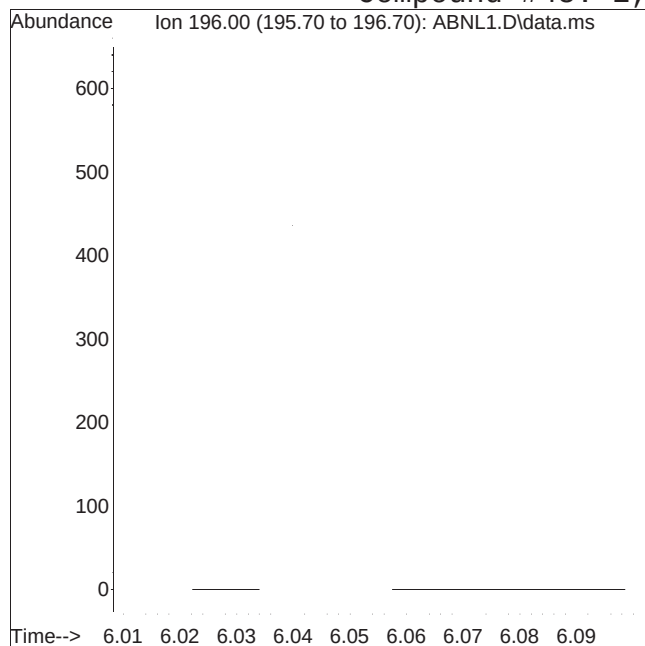
Manual Peak Response = 402 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 0

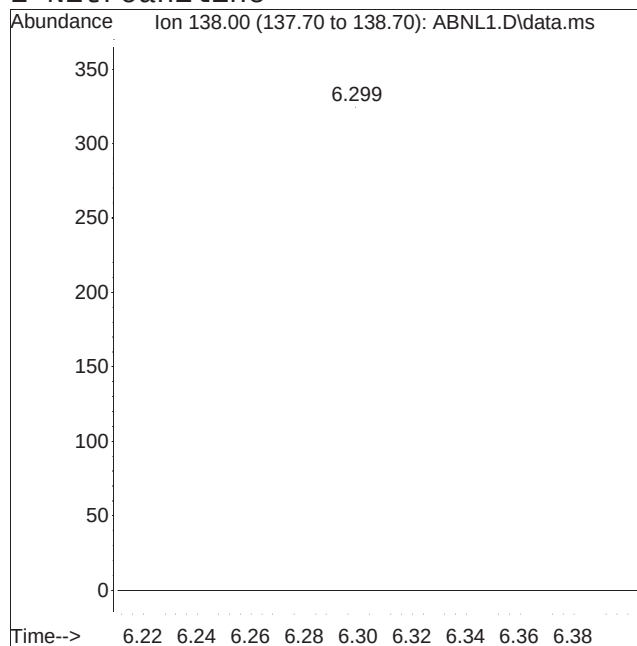
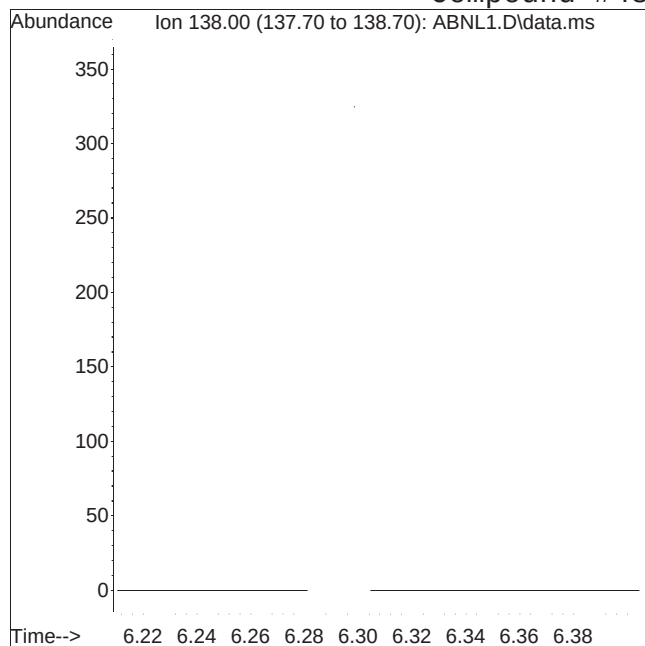
Manual Peak Response = 385 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #48: 2-Nitroaniline



Original Peak Response = 0

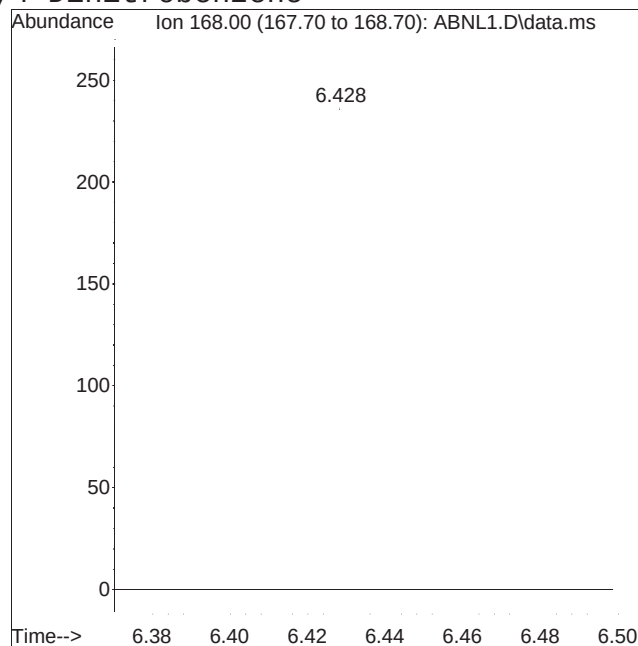
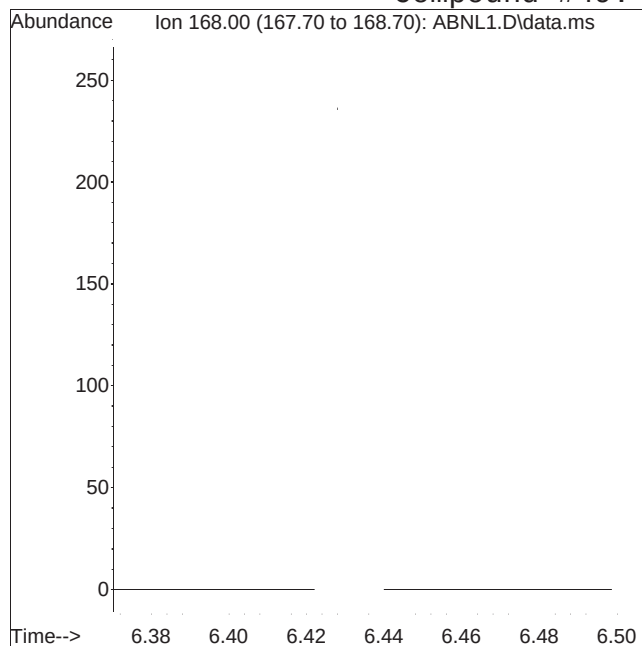
Manual Peak Response = 317 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0

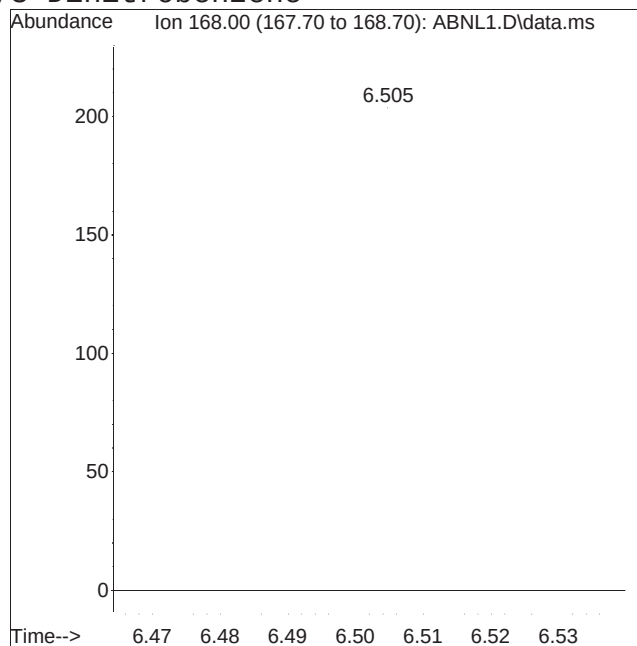
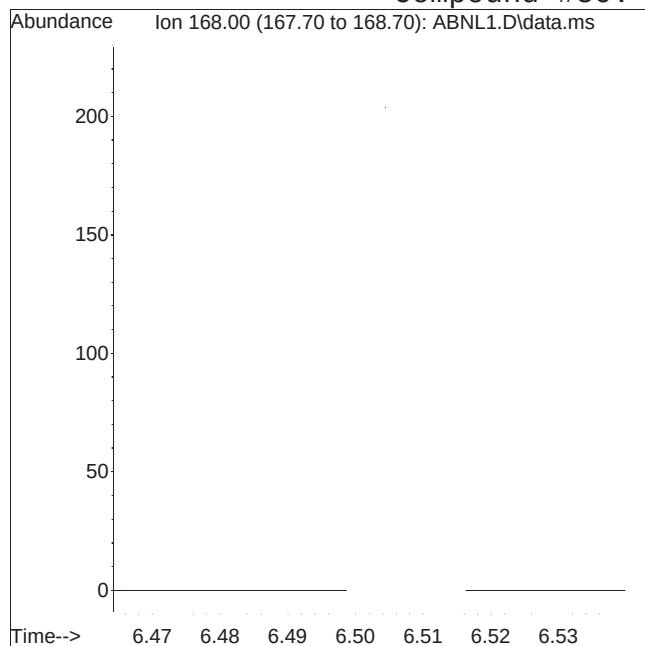
Manual Peak Response = 144 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0

Manual Peak Response = 120 M2

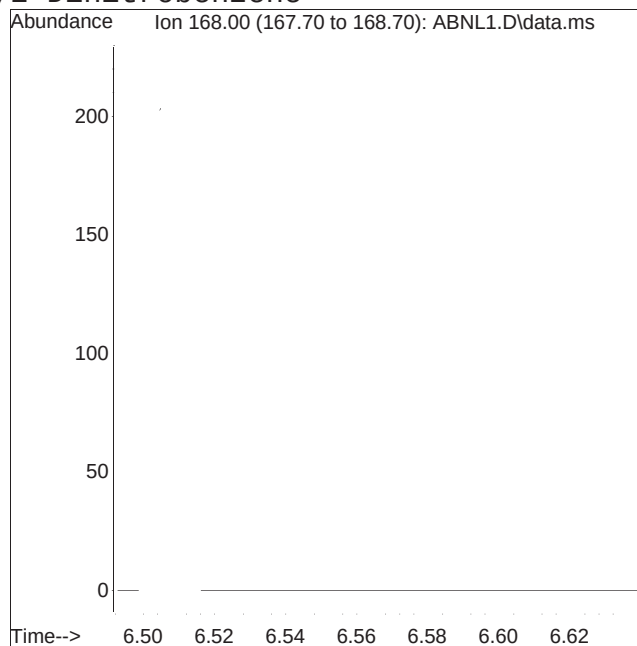
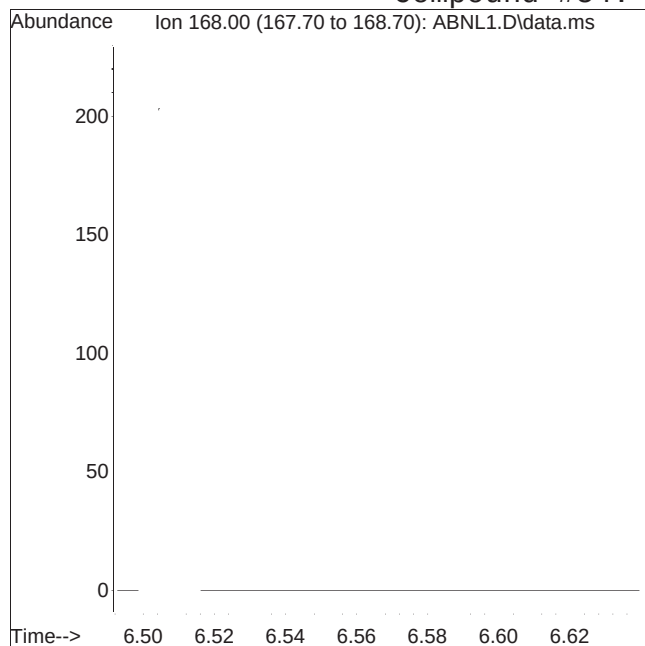
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0

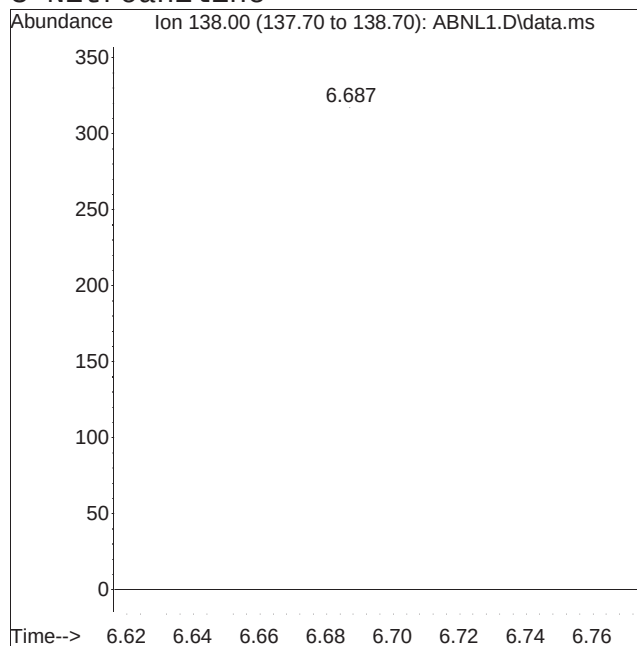
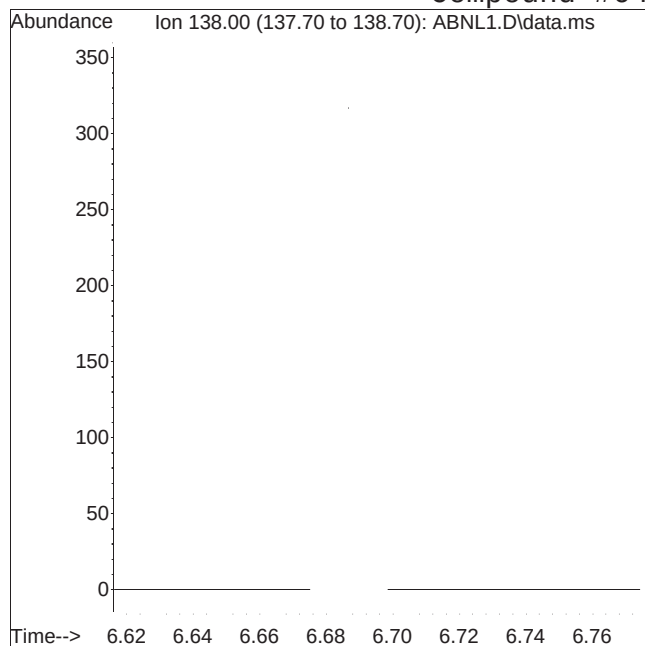
Manual Peak Response = 0 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #64: 3-Nitroaniline



Original Peak Response = 0

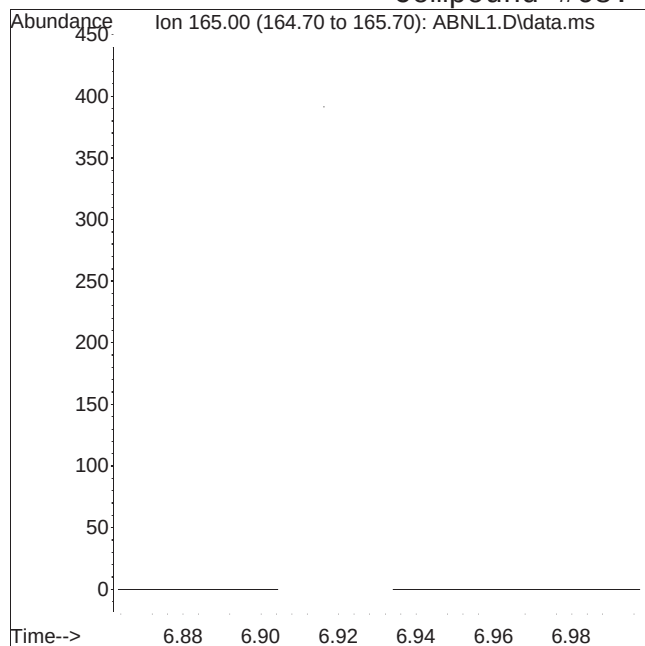
Manual Peak Response = 247 M2

M2 = Peak not found by automatic integration algorithm.

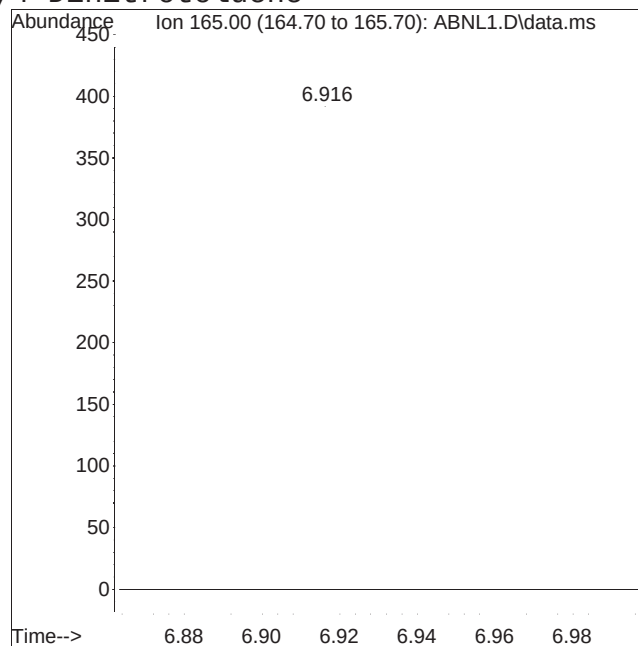
Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #68: 2,4-Dinitrotoluene



Original Peak Response = 0



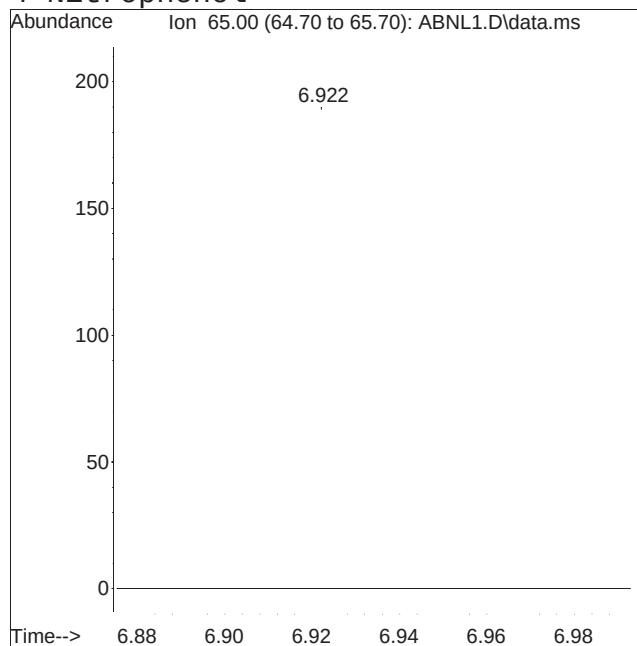
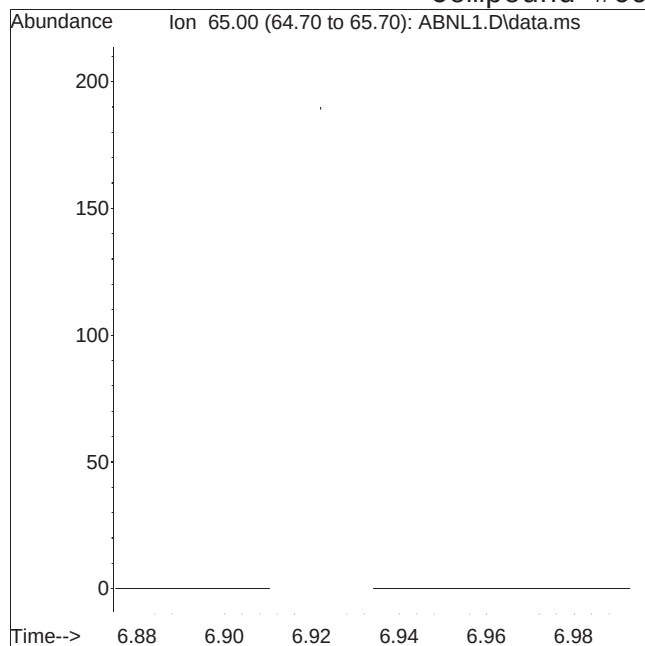
Manual Peak Response = 349 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ABNL1.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:27 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1187

Compound #69: 4-Nitrophenol



Original Peak Response = 0

Manual Peak Response = 147 M2

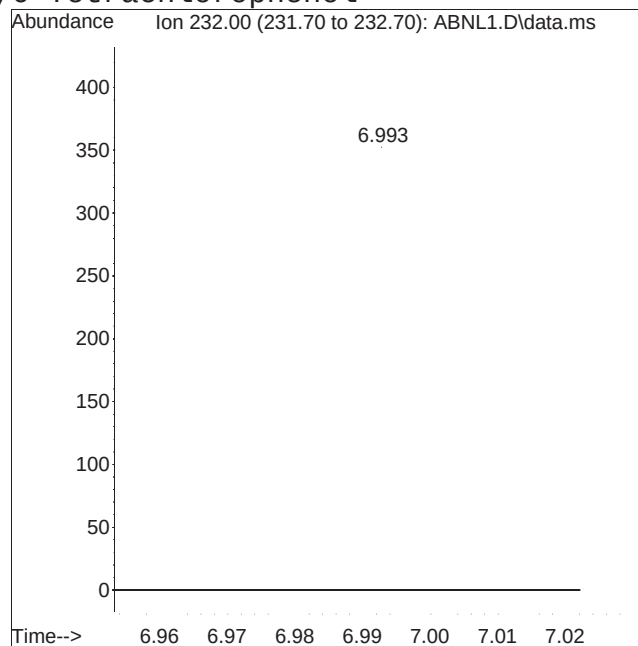
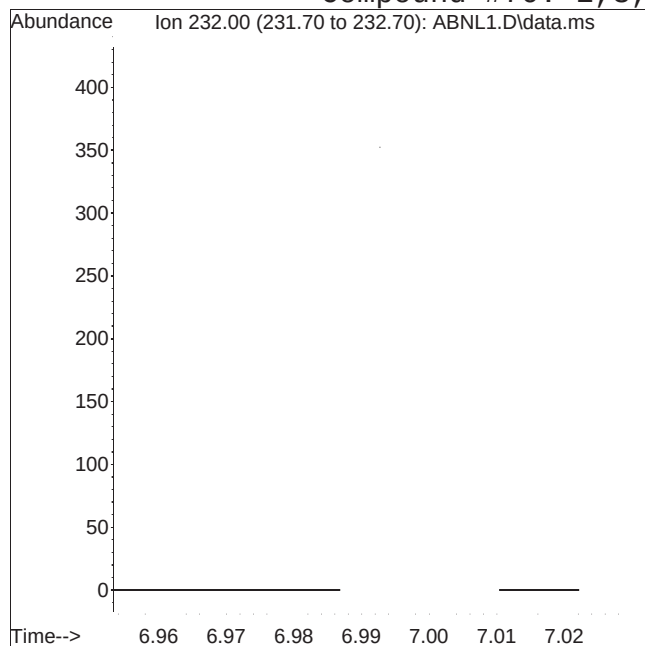
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #70: 2,3,5,6-Tetrachlorophenol



Original Peak Response = 0

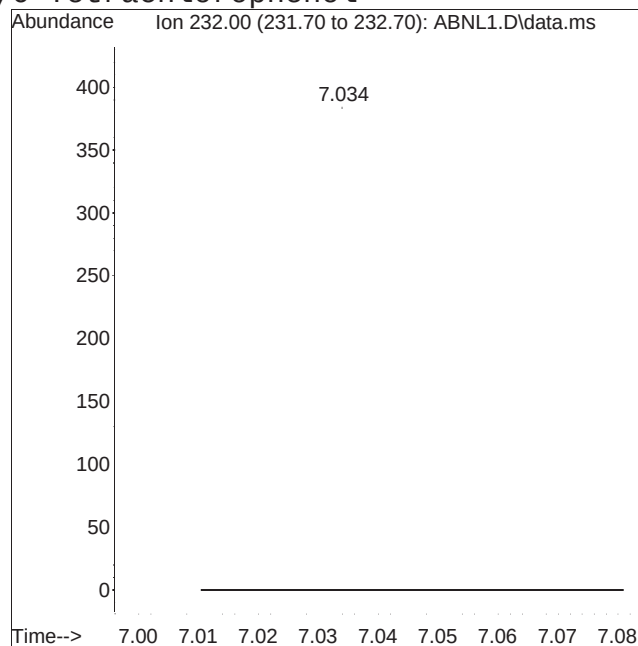
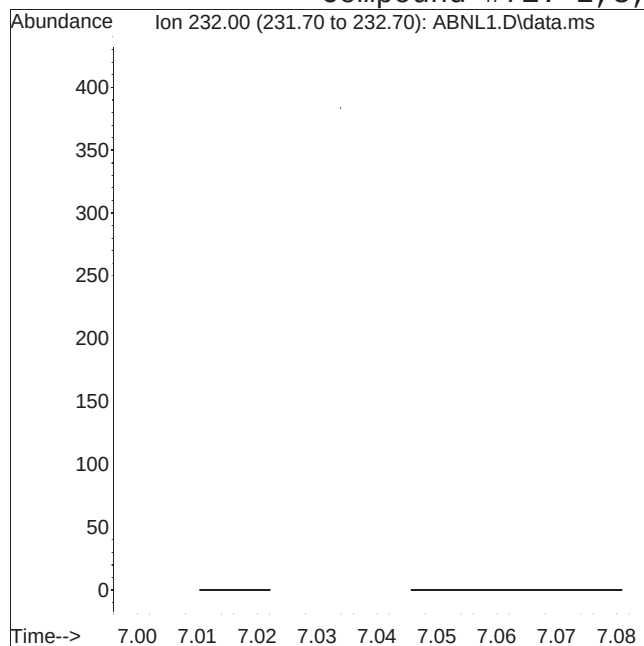
Manual Peak Response = 269 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0

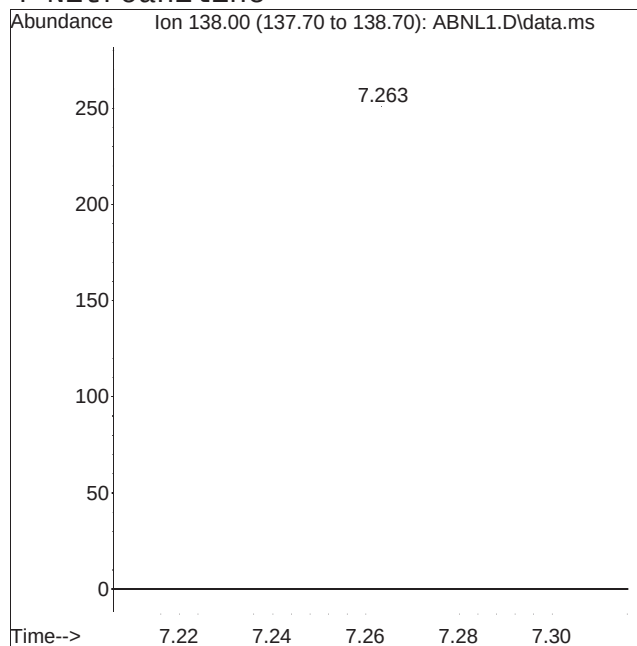
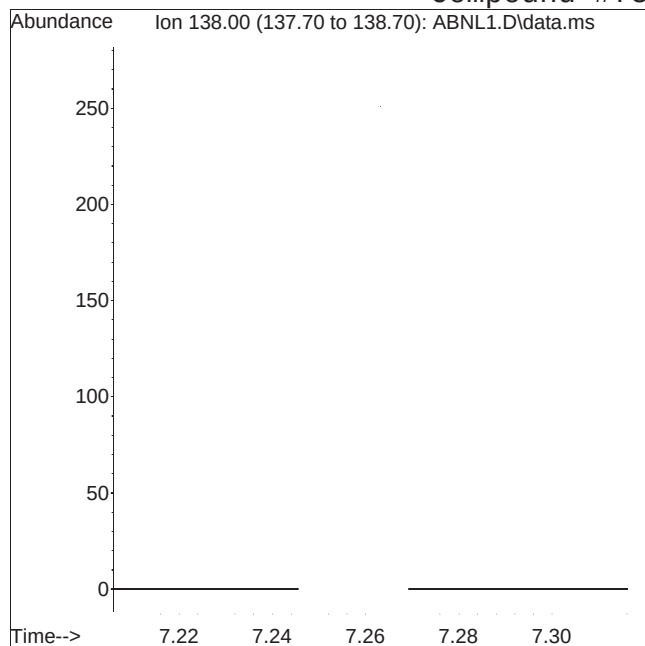
Manual Peak Response = 315 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #75: 4-Nitroaniline



Original Peak Response = 0

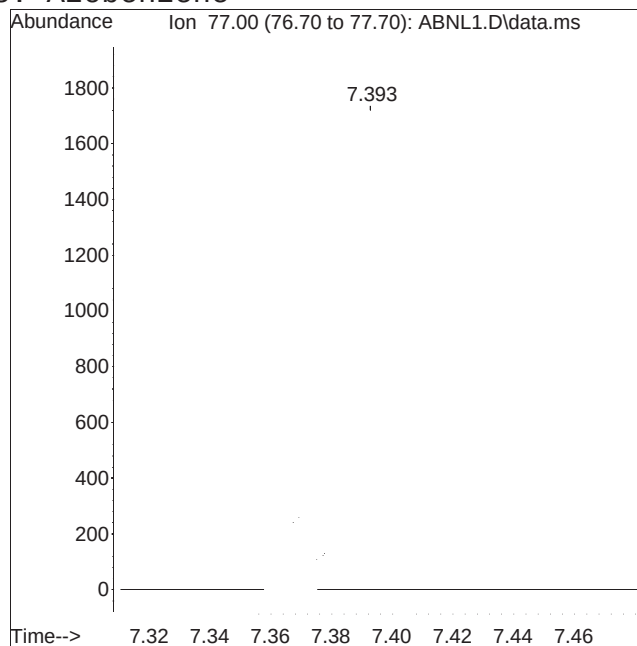
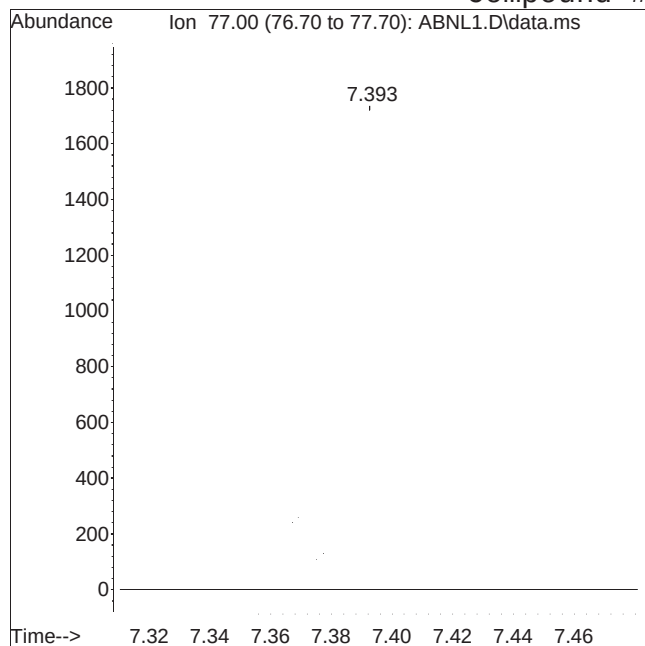
Manual Peak Response = 207 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #78: Azobenzene



Original Peak Response = 1547

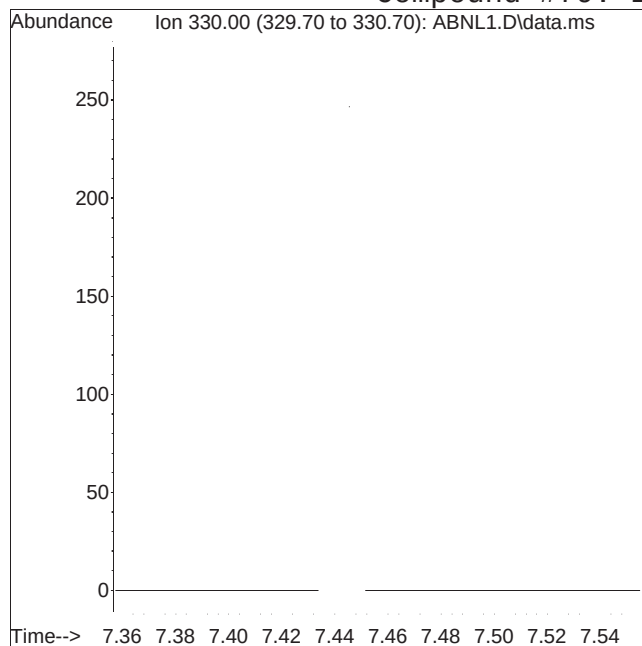
Manual Peak Response = 1347 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

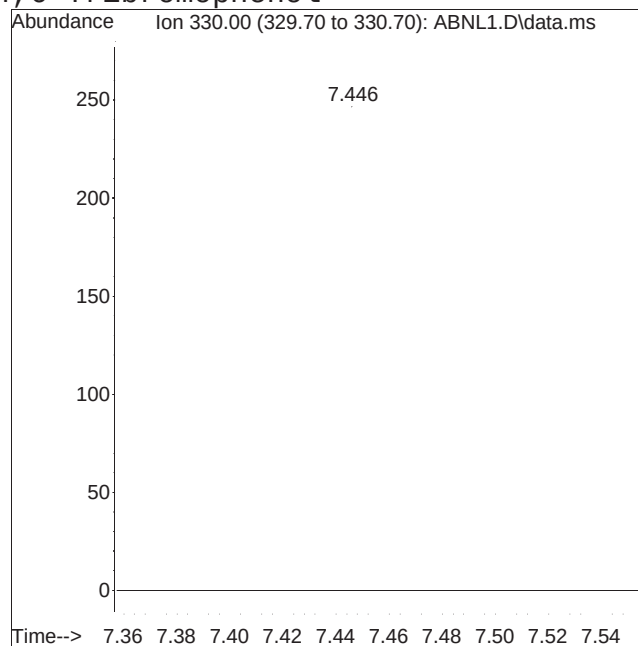
Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

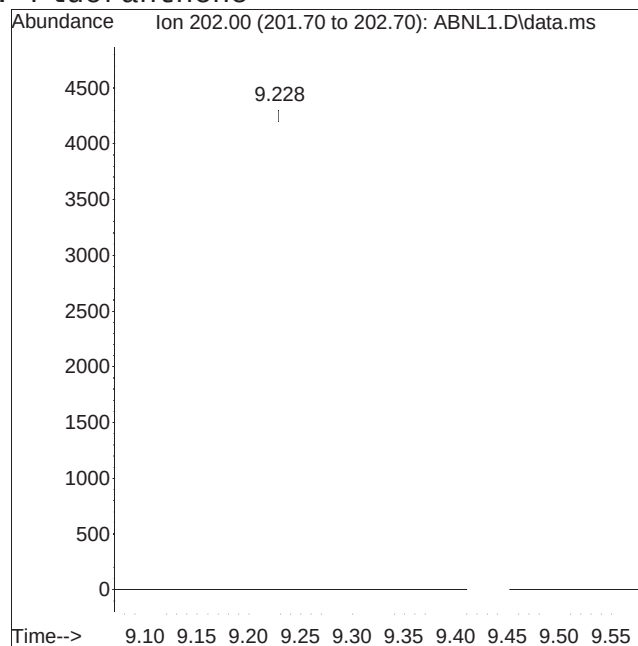
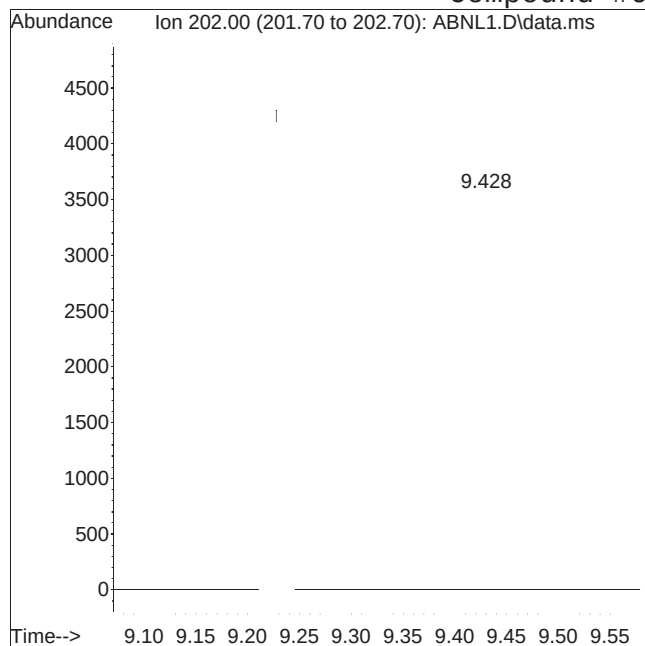


Manual Peak Response = 167 M2

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #93: Fluoranthene



Original Peak Response = 3354

Manual Peak Response = 3513 M3

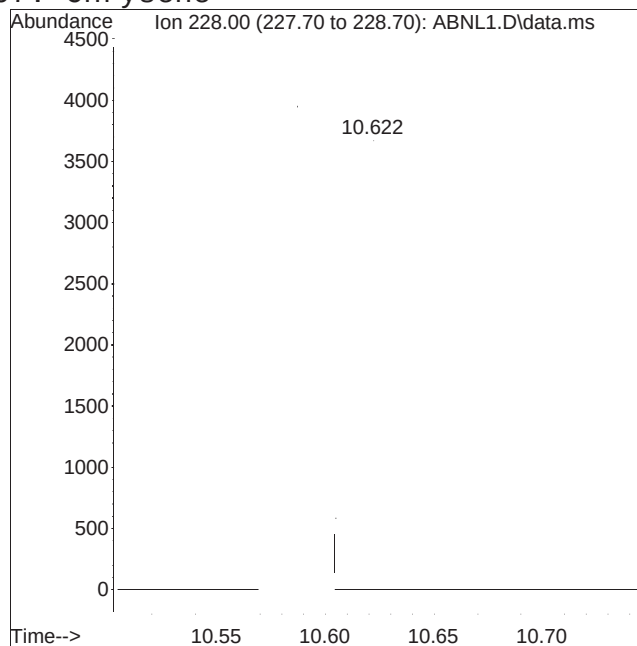
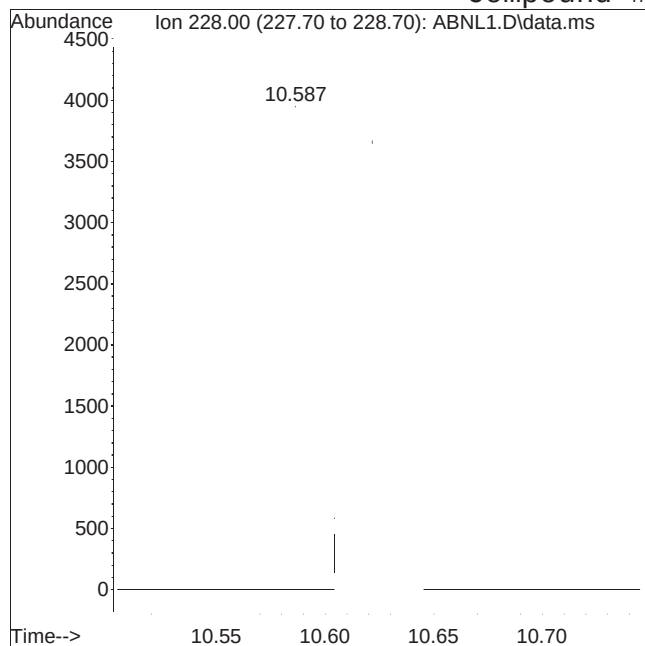
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #107: Chrysene



Original Peak Response = 4007

Manual Peak Response = 3613 M3

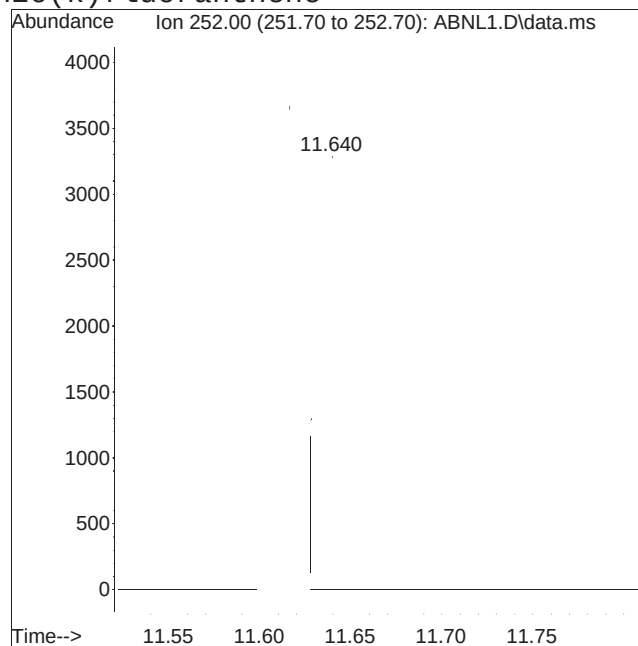
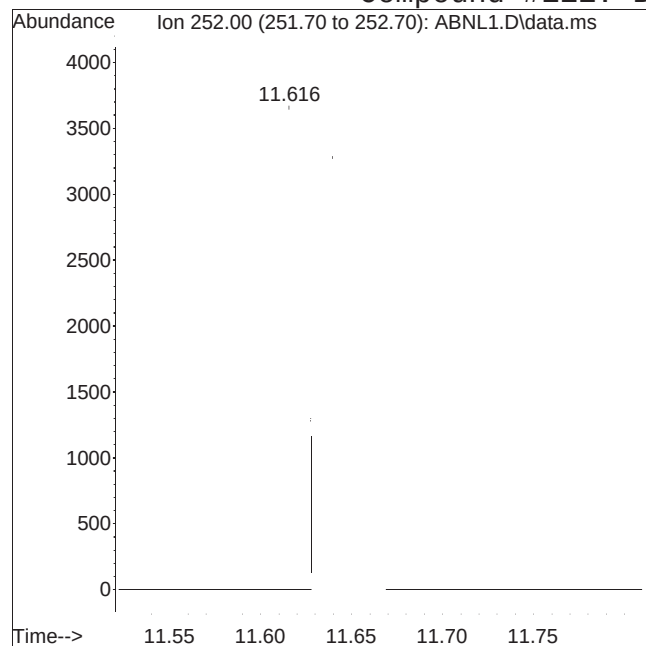
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 3710

Manual Peak Response = 3551 M3

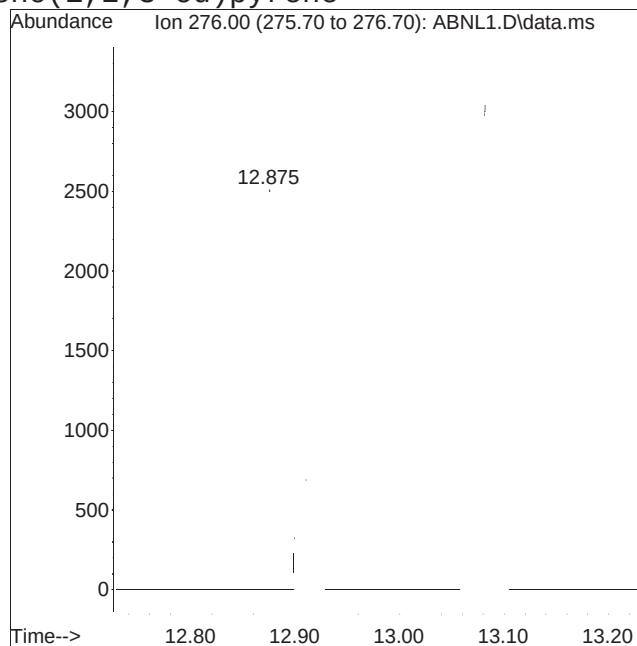
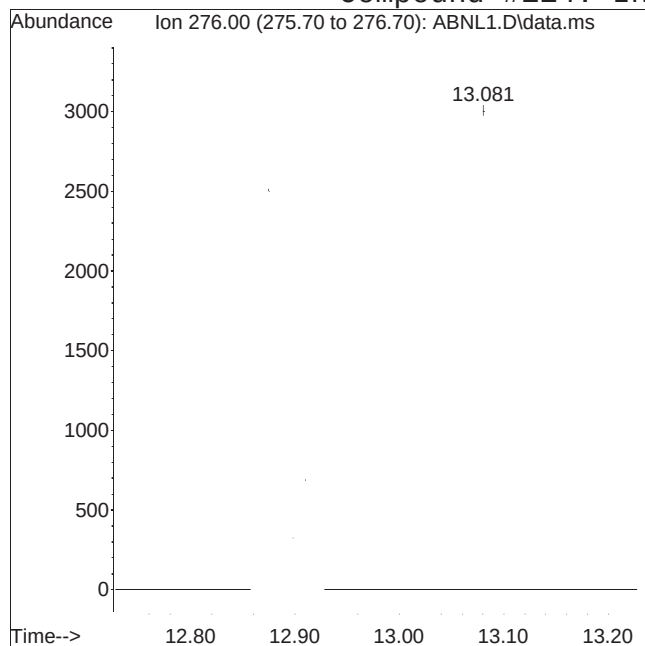
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL1.D
Date Inj'd : 8/17/2025 9:27 pm
Sample : IL10,32,,ABNL0.1 Lot# 1187

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 3157

Manual Peak Response = 3021 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L9.D
 Acq On : 17 Aug 2025 09:50 pm
 Operator : SV112:slr
 Sample : IL2,32,,AP9L50 Lot# 11836
 Misc : WG2104073,,ical
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 06:25:44 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:26:22 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	19331	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	86.86%		
55) IS2_Naphthalene-d8	5.011	136	81858	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	94.09%		
83) IS2_Acenaphthene-d10	6.687	164	55236	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	98.60%		
98) IS2_Phenanthrene-d10	8.087	188	122215	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery =	98.99%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.299	105	153192	53.529	ug/ml	97
29) Acetophenone	4.187	105	493760	51.803	ug/ml	95
30) m-Toluidine	4.281	106	338274	60.522	ug/ml	98
31) 2-Chloroaniline	4.634	127	421446	51.883	ug/ml	97
56) a-Terpineol	5.105	59	320341	52.870	ug/ml	100
57) 3-Chloroaniline	5.111	65	143274	54.267	ug/ml	83
58) 2,6-Dichlorophenol	5.134	162	317445	55.597	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.381	111	153133	55.065	ug/ml	95
60) Caprolactam	5.463	55	214955	60.824	ug/ml	97
61) 1,2,4,5-Tetrachloroben...	5.881	216	424460	46.406	ug/ml	99
62) Biphenyl	6.175	154	861884	42.316	ug/ml	93
84) Dichloran	7.816	206	154619	64.393	ug/ml#	72
85) Pentachloronitrobenzene	7.952	237	161645	58.232	ug/ml#	82
99) Diphenamid	9.022	167	790373	52.626	ug/ml	88

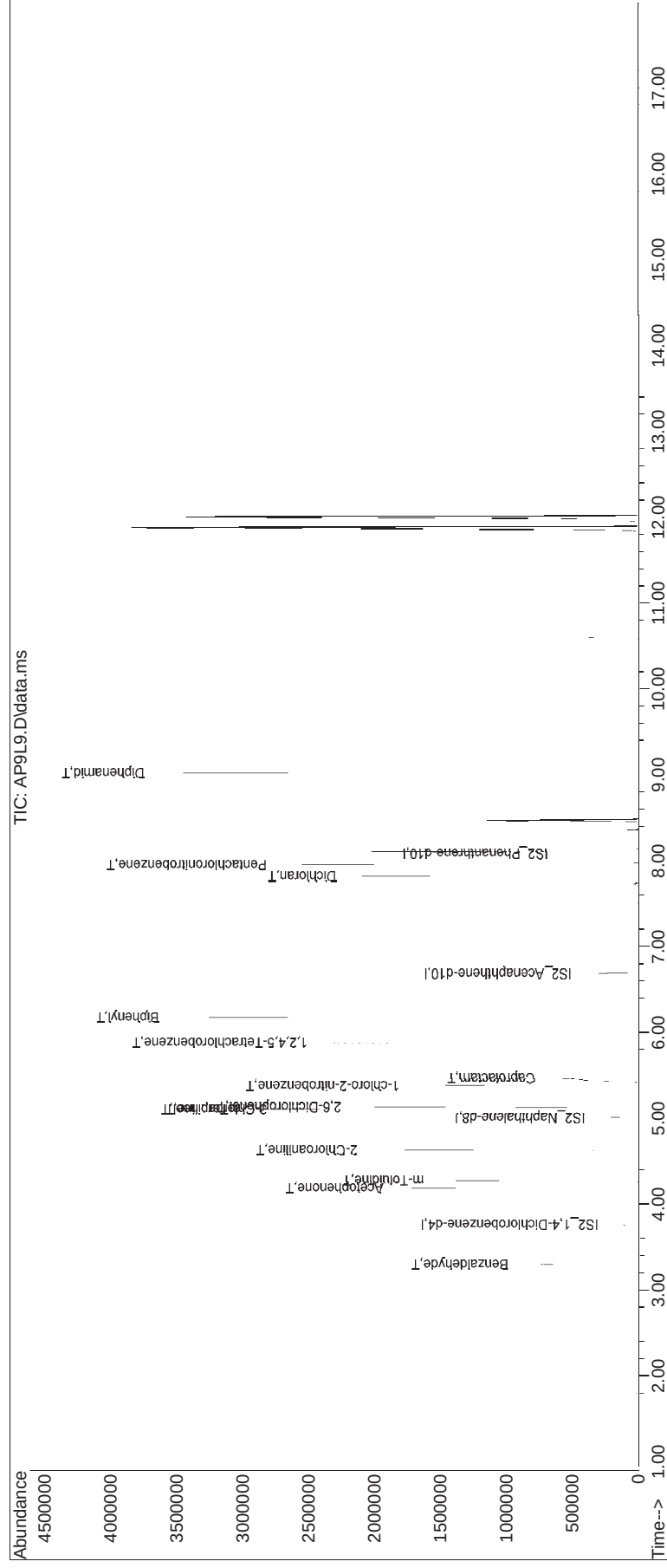
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L9.D
 Acq On : 17 Aug 2025 09:50 pm
 Operator : SV112:slr
 Sample : IL2,32,,AP9L50 Lot# 11836
 Misc : WG2104073,,ical
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 18 06:25:44 2025
 Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 06:26:22 2025
 Response via : Initial Calibration

Sub List : **AP9L9.D\8270\SV112\250817RVTical\AP9L6.D**



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L9.D Operator : SV112:slr
Date Inj'd : 8/17/2025 9:50 pm Instrument : SV112
Sample : IL2,32,,AP9L50 Lot# 11836 Quant Date : 8/18/2025 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L8.D
 Acq On : 17 Aug 2025 10:13 pm
 Operator : SV112:slr
 Sample : IL3,32,,AP9L25 Lot# 11837
 Misc : WG2104073,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 18 06:25:17 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:25:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.758	152	19660	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	88.34%		
55) IS2_Naphthalene-d8	5.010	136	79670	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	91.58%		
83) IS2_Acenaphthene-d10	6.687	164	53253	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	95.06%		
98) IS2_Phenanthrene-d10	8.087	188	123425	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery =	99.97%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.299	105	72184	24.773	ug/ml	97
29) Acetophenone	4.187	105	239604	24.678	ug/ml	95
30) m-Toluidine	4.275	106	158284	28.494	ug/ml	97
31) 2-Chloroaniline	4.634	127	205669	24.881	ug/ml	98
56) a-Terpineol	5.099	59	155035	26.486	ug/ml	98
57) 3-Chloroaniline	5.110	65	68845	27.069	ug/ml	86
58) 2,6-Dichlorophenol	5.128	162	151274	27.572	ug/ml	93
59) 1-chloro-2-nitrobenzene	5.375	111	72086	26.884	ug/ml	96
60) Caprolactam	5.446	55	103125	31.012	ug/ml	95
61) 1,2,4,5-Tetrachloroben...	5.875	216	208815	23.252	ug/ml	97
62) Biphenyl	6.169	154	449204	22.361	ug/ml	97
84) Dichloran	7.816	206	70223	31.288	ug/ml#	73
85) Pentachloronitrobenzene	7.952	237	76922	29.371	ug/ml#	83
99) Diphenamid	9.016	167	404285	26.909	ug/ml	90

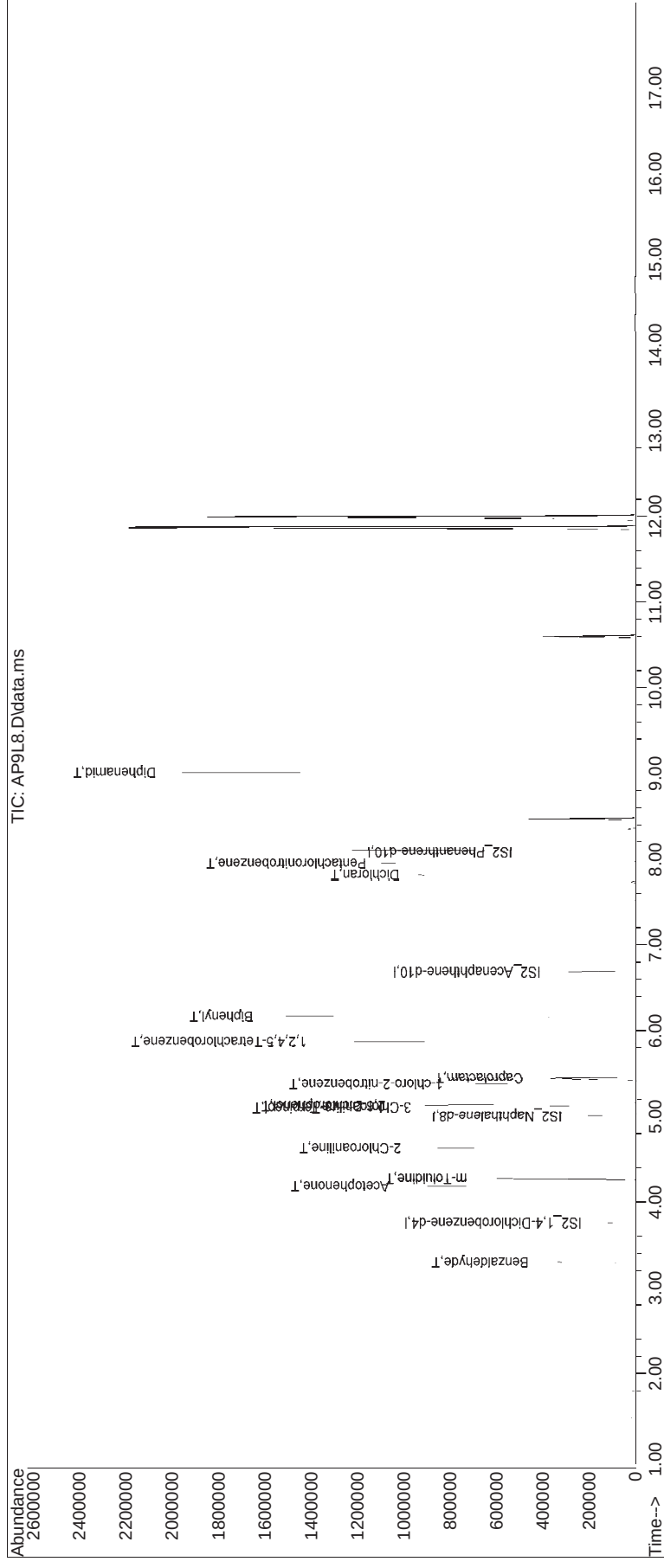
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

Data Path	:	I:\8270\SV112\250817RVTical\
Data File	:	AP9L8.D
Acq On	:	17 Aug 2025 10:13 pm
Operator	:	SV112:slr
Sample	:	IL3,32,,AP9L25 Lot# 11837
Misc	:	WG2104073,,ical
ALS Vial	:	11 Sample Multiplier: 1

Quant Time: Aug 18 06:25:17 2025
Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:25:57 2025
Response via : Initial Calibration

Sub List : AP9i\ta\8270R9V1\ca\250b17BVTical\AP9L6.D.



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L8.D Operator : SV112:slr
Date Inj'd : 8/17/2025 10:13 pm Instrument : SV112
Sample : IL3,32,,AP9L25 Lot# 11837 Quant Date : 8/18/2025 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L7.D
 Acq On : 17 Aug 2025 10:35 pm
 Operator : SV112:slr
 Sample : IL4,32,,AP9L10 Lot# 11838
 Misc : WG2104073,,ical
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 06:24:48 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:25:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	18967	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	85.22%		
55) IS2_Naphthalene-d8	5.011	136	77407	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	88.98%		
83) IS2_Acenaphthene-d10	6.687	164	50458	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	90.07%		
98) IS2_Phenanthrene-d10	8.081	188	116292	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery =	94.19%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.305	105	28569	10.190	ug/ml	98
29) Acetophenone	4.187	105	92815	9.894	ug/ml	95
30) m-Toluidine	4.281	106	60151	11.578	ug/ml	97
31) 2-Chloroaniline	4.634	127	80174	10.062	ug/ml	99
56) a-Terpineol	5.099	59	58197	10.273	ug/ml	100
57) 3-Chloroaniline	5.105	65	26596	10.902	ug/ml	87
58) 2,6-Dichlorophenol	5.128	162	57156	10.853	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.375	111	26835	10.353	ug/ml	96
60) Caprolactam	5.428	55	36988	11.790	ug/ml	94
61) 1,2,4,5-Tetrachloroben...	5.875	216	81554	9.246	ug/ml	96
62) Biphenyl	6.169	154	180488	9.133	ug/ml	98
84) Dichloran	7.810	206	24100	11.590	ug/ml#	74
85) Pentachloronitrobenzene	7.946	237	27878	11.470	ug/ml#	82
99) Diphenamid	9.016	167	153291	10.981	ug/ml	90

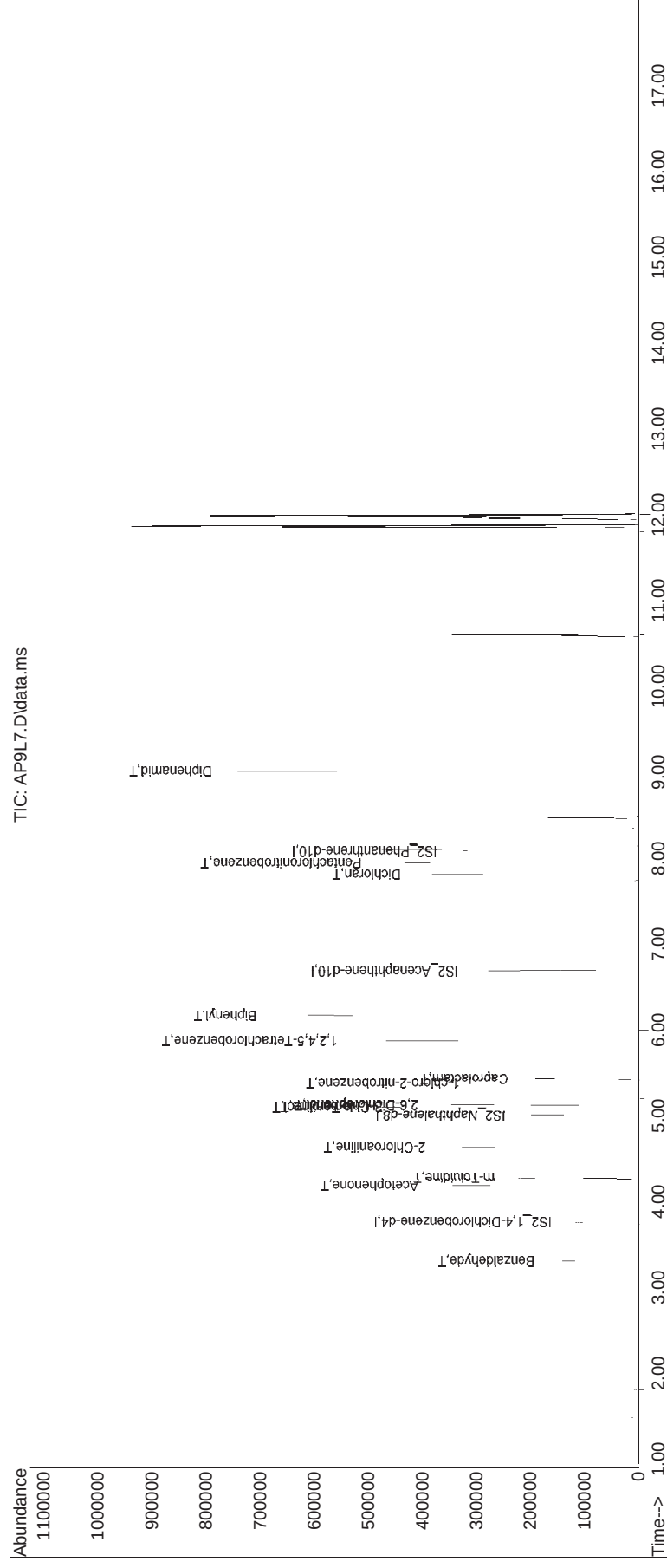
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L7.D
 Acq On : 17 Aug 2025 10:35 pm
 Operator : SV112:slr
 Sample : IL4,32,,AP9L10 Lot# 11838
 Misc : WG2104073,,ical
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 06:24:48 2025
 Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 06:25:23 2025
 Response via : Initial Calibration

Sub List : **AP9L7.D\8270\SV112\250817RVTical\AP9L6.D**



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L7.D Operator : SV112:slr
Date Inj'd : 8/17/2025 10:35 pm Instrument : SV112
Sample : IL4,32,,AP9L10 Lot# 11838 Quant Date : 8/18/2025 6:25 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L6.D
 Acq On : 17 Aug 2025 10:58 pm
 Operator : SV112:slr
 Sample : IL5,32,,AP9L5 Lot# 11839
 Misc : WG2104073,,ical
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 06:18:56 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	22256	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery	=	100.00%	
55) IS2_Naphthalene-d8	5.010	136	86996	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery	=	100.00%	
83) IS2_Acenaphthene-d10	6.687	164	56018	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery	=	100.00%	
98) IS2_Phenanthrene-d10	8.081	188	123466	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.305	105	15638	4.742	ug/ml	94
29) Acetophenone	4.187	105	52414	4.718	ug/ml	94
30) m-Toluidine	4.281	106	33109	5.445	ug/ml	96
31) 2-Chloroaniline	4.634	127	45580	4.821	ug/ml	99
56) a-Terpineol	5.093	59	31631	4.962	ug/ml	100
57) 3-Chloroaniline	5.105	65	14806	5.447	ug/ml	87
58) 2,6-Dichlorophenol	5.128	162	31424	5.331	ug/ml	93
59) 1-chloro-2-nitrobenzene	5.375	111	14767	5.059	ug/ml	98
60) Caprolactam	5.422	55	18904	5.400	ug/ml	93
61) 1,2,4,5-Tetrachloroben...	5.875	216	46161	4.611	ug/ml	95
62) Biphenyl	6.169	154	101576	4.503	ug/ml	99
84) Dichloran	7.810	206	11723	5.066	ug/ml#	74
85) Pentachloronitrobenzene	7.946	237	13563	4.991	ug/ml#	83
99) Diphenamid	9.016	167	75134	5.082	ug/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

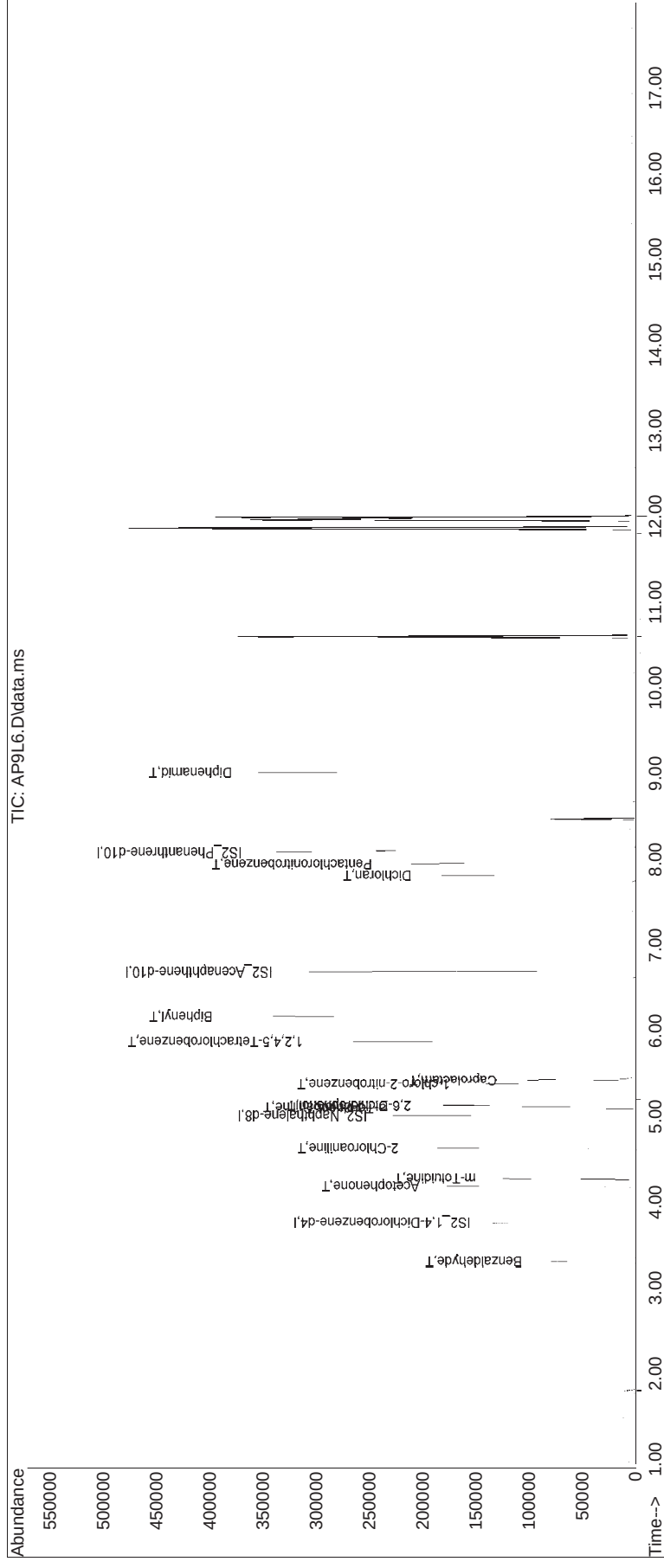
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Data Path      : I:\8270\SV112\250817RVTical\
Data File     : AP9L6.D
Acq On        : 17 Aug 2025  10:58 pm
Operator      : SV112:slr
Sample        : IL5,32,,AP9L5 Lot# 11839
Misc          : WG2104073,,ical
ALS Vial      : 13 Sample Multiplier: 1

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Quant Time: Aug 18 06:18:56 2025
Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

Sub List : AP9i\ta\8270R9V1\ca\250b17BVTical\AP9L6.D.



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L6.D Operator : SV112:slr
Date Inj'd : 8/17/2025 10:58 pm Instrument : SV112
Sample : IL5,32,,AP9L5 Lot# 11839 Quant Date : 8/18/2025 6:19 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L5.D
 Acq On : 17 Aug 2025 11:20 pm
 Operator : SV112:slr
 Sample : IL6,32,,AP9L2.5 Lot# 11840
 Misc : WG2104073,,ical
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 06:18:47 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	19963	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	89.70%		
55) IS2_Naphthalene-d8	5.010	136	77703	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	89.32%		
83) IS2_Acenaphthene-d10	6.687	164	50040	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	89.33%		
98) IS2_Phenanthrene-d10	8.081	188	113009	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery =	91.53%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.310	105	7285	2.463	ug/ml	99
29) Acetophenone	4.193	105	23538	2.362	ug/ml	92
30) m-Toluidine	4.281	106	13776	2.526	ug/ml	96
31) 2-Chloroaniline	4.634	127	19786	2.333	ug/ml	98
56) a-Terpineol	5.093	59	14137	2.483	ug/ml	99
57) 3-Chloroaniline	5.104	65	6386	2.630	ug/ml	92
58) 2,6-Dichlorophenol	5.128	162	13486	2.561	ug/ml	93
59) 1-chloro-2-nitrobenzene	5.375	111	6439	2.470	ug/ml	96
60) Caprolactam	5.422	55	8099	2.590	ug/ml	92
61) 1,2,4,5-Tetrachloroben...	5.875	216	21034	2.352	ug/ml	97
62) Biphenyl	6.169	154	45702	2.268	ug/ml	97
84) Dichloran	7.810	206	5091	2.463	ug/ml#	74
85) Pentachloronitrobenzene	7.945	237	5811	2.394	ug/ml#	84
99) Diphenamid	9.016	167	34337	2.537	ug/ml	90

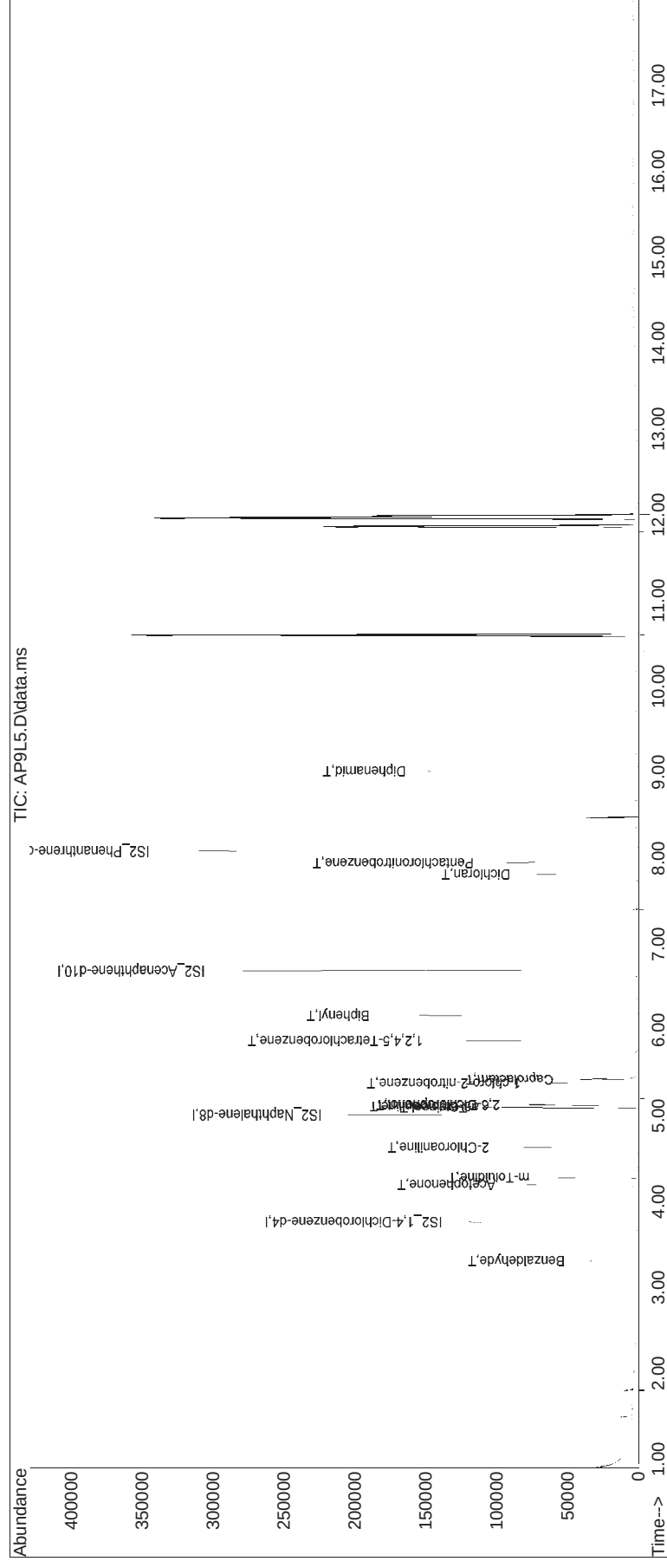
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L5.D
 Acq On : 17 Aug 2025 11:20 pm
 Operator : SV112:slr
 Sample : IL6,32,,AP9L2.5 Lot# 11840
 Misc : WG2104073,,ical
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 18 06:18:47 2025
 Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

Sub List : **AP9L5.D\8270\SV112\250817RVTical\AP9L6.D**



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L5.D Operator : SV112:slr
Date Inj'd : 8/17/2025 11:20 pm Instrument : SV112
Sample : IL6,32,,AP9L2.5 Lot# 11840 Quant Date : 8/18/2025 6:19 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L4.D
 Acq On : 17 Aug 2025 11:43 pm
 Operator : SV112:slr
 Sample : IL7,32,,AP9L1 Lot# 11841
 Misc : WG2104073,,ical
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 06:18:37 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	21008	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	94.39%		
55) IS2_Naphthalene-d8	5.010	136	83460	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	95.94%		
83) IS2_Acenaphthene-d10	6.687	164	53020	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	94.65%		
98) IS2_Phenanthrene-d10	8.081	188	124339	4.000	ug/ml	# 0.00
Standard Area 3 = 123466			Recovery =	100.71%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.311	105	3087	0.992	ug/ml	91
29) Acetophenone	4.193	105	10270	0.979	ug/ml#	89
30) m-Toluidine	4.281	106	5556	0.968	ug/ml	99
31) 2-Chloroaniline	4.634	127	8968	1.005	ug/ml	99
56) a-Terpineol	5.099	59	6192	1.013	ug/ml	99
57) 3-Chloroaniline	5.105	65	2808	1.077	ug/ml	94
58) 2,6-Dichlorophenol	5.128	162	5779	1.022	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.375	111	2872	1.026	ug/ml	95
60) Caprolactam	5.422	55	3585	1.067	ug/ml	87
61) 1,2,4,5-Tetrachloroben...	5.875	216	9695	1.009	ug/ml	98
62) Biphenyl	6.169	154	21059	0.973	ug/ml	98
84) Dichloran	7.810	206	2264	1.034	ug/ml#	74
85) Pentachloronitrobenzene	7.946	237	2566	0.998	ug/ml#	86
99) Diphenamid	9.016	167	14472	0.972	ug/ml	89

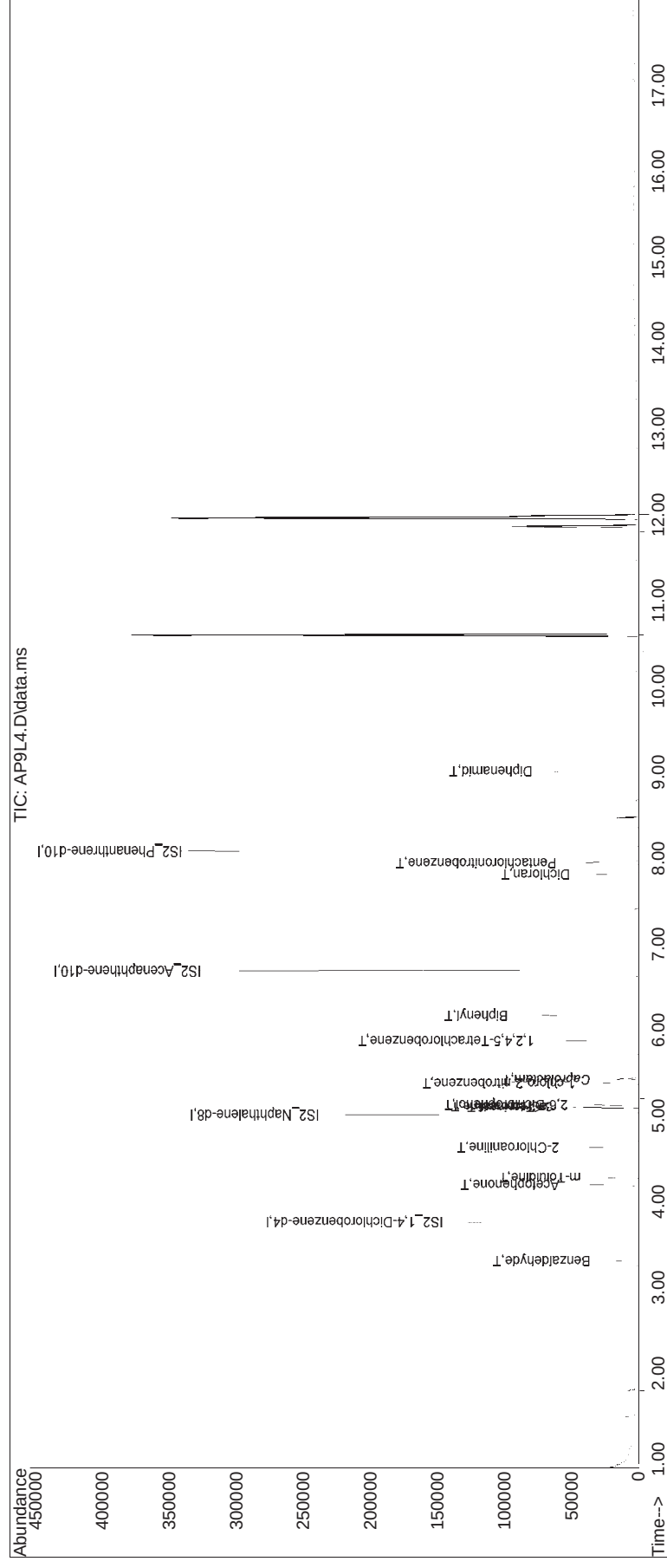
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L4.D
 Acq On : 17 Aug 2025 11:43 pm
 Operator : SV112:slr
 Sample : IL7,32,,AP9L1 Lot# 11841
 Misc : WG2104073,,ical
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 18 06:18:37 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

Sub List : **AP9L4\8270\AP9L1\250817RVTical\AP9L6.D•**



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L4.D Operator : SV112:slr
Date Inj'd : 8/17/2025 11:43 pm Instrument : SV112
Sample : IL7,32,,AP9L1 Lot# 11841 Quant Date : 8/18/2025 6:19 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L3.D
 Acq On : 18 Aug 2025 12:05 am
 Operator : SV112:slr
 Sample : IL8,32,,AP9L0.5 Lot# 11842
 Misc : WG2104073,,ical
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 06:18:27 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.763	152	21187	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery	=	95.20%	
55) IS2_Naphthalene-d8	5.010	136	83932	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery	=	96.48%	
83) IS2_Acenaphthene-d10	6.687	164	53689	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery	=	95.84%	
98) IS2_Phenanthrene-d10	8.081	188	120954	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery	=	97.97%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.310	105	1853	0.590	ug/ml	100
29) Acetophenone	4.193	105	5914	0.559	ug/ml#	86
30) m-Toluidine	4.281	106	2729	0.471	ug/ml#	92
31) 2-Chloroaniline	4.634	127	5174	0.575	ug/ml	99
56) a-Terpineol	5.099	59	3475	0.565	ug/ml	95
57) 3-Chloroaniline	5.104	65	1695	0.646	ug/ml	84
58) 2,6-Dichlorophenol	5.128	162	3098	0.545	ug/ml#	88
59) 1-chloro-2-nitrobenzene	5.375	111	1519	0.539	ug/ml	93
60) Caprolactam	5.428	55	1920	0.568	ug/ml	90
61) 1,2,4,5-Tetrachloroben...	5.875	216	5693	0.589	ug/ml#	90
62) Biphenyl	6.169	154	12817	0.589	ug/ml	99
84) Dichloran	7.810	206	1346	0.607	ug/ml#	69
85) Pentachloronitrobenzene	7.945	237	1465	0.562	ug/ml#	82
99) Diphenamid	9.016	167	8269	0.571	ug/ml	90

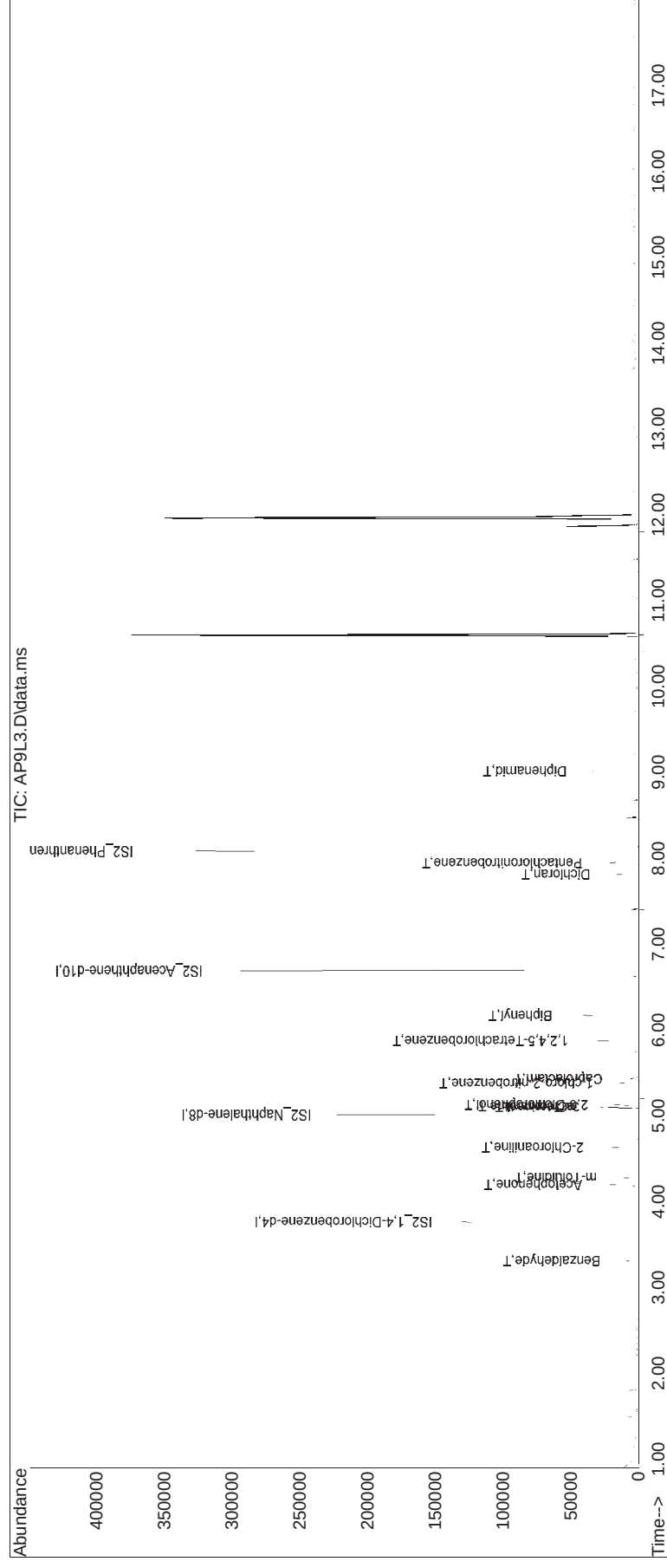
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L3.D
 Acq On : 18 Aug 2025 12:05 am
 Operator : SV112:slr
 Sample : IL8,32,,AP9L0.5 Lot# 11842
 Misc : WG2104073,,ical
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 06:18:27 2025
 Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

Sub List : **AP9L3.D\8270\SV112\250817RVTical\AP9L6.D**



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L3.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:05 am Instrument : SV112
Sample : IL8,32,,AP9L0.5 Lot# 11842 Quant Date : 8/18/2025 6:19 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L2.D
 Acq On : 18 Aug 2025 12:28 am
 Operator : SV112:slr
 Sample : IL9,32,,AP9L0.2 Lot# 11843
 Misc : WG2104073,,ical
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 18 06:18:19 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	20519	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	92.20%		
55) IS2_Naphthalene-d8	5.011	136	80580	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	92.62%		
83) IS2_Acenaphthene-d10	6.687	164	52333	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	93.42%		
98) IS2_Phenanthrene-d10	8.081	188	117303	4.000	ug/ml	# 0.00
Standard Area 3 = 123466			Recovery =	95.01%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.317	105	647	0.213	ug/ml	97
29) Acetophenone	4.193	105	2137	0.209	ug/ml#	78
30) m-Toluidine	4.281	106	324M2	0.058	ug/ml	
31) 2-Chloroaniline	4.634	127	1739	0.200	ug/ml#	46
56) a-Terpineol	5.099	59	1185	0.201	ug/ml#	84
57) 3-Chloroaniline	5.105	65	514	0.204	ug/ml#	72
58) 2,6-Dichlorophenol	5.128	162	1082	0.198	ug/ml	94
59) 1-chloro-2-nitrobenzene	5.375	111	628	0.232	ug/ml#	60
60) Caprolactam	5.434	55	464M2	0.143	ug/ml	
61) 1,2,4,5-Tetrachloroben...	5.875	216	1955	0.211	ug/ml#	87
62) Biphenyl	6.169	154	4438	0.212	ug/ml	95
84) Dichloran	7.810	206	446M2	0.206	ug/ml	
85) Pentachloronitrobenzene	7.946	237	525	0.207	ug/ml#	9
99) Diphenamid	9.010	167	2827	0.201	ug/ml	92

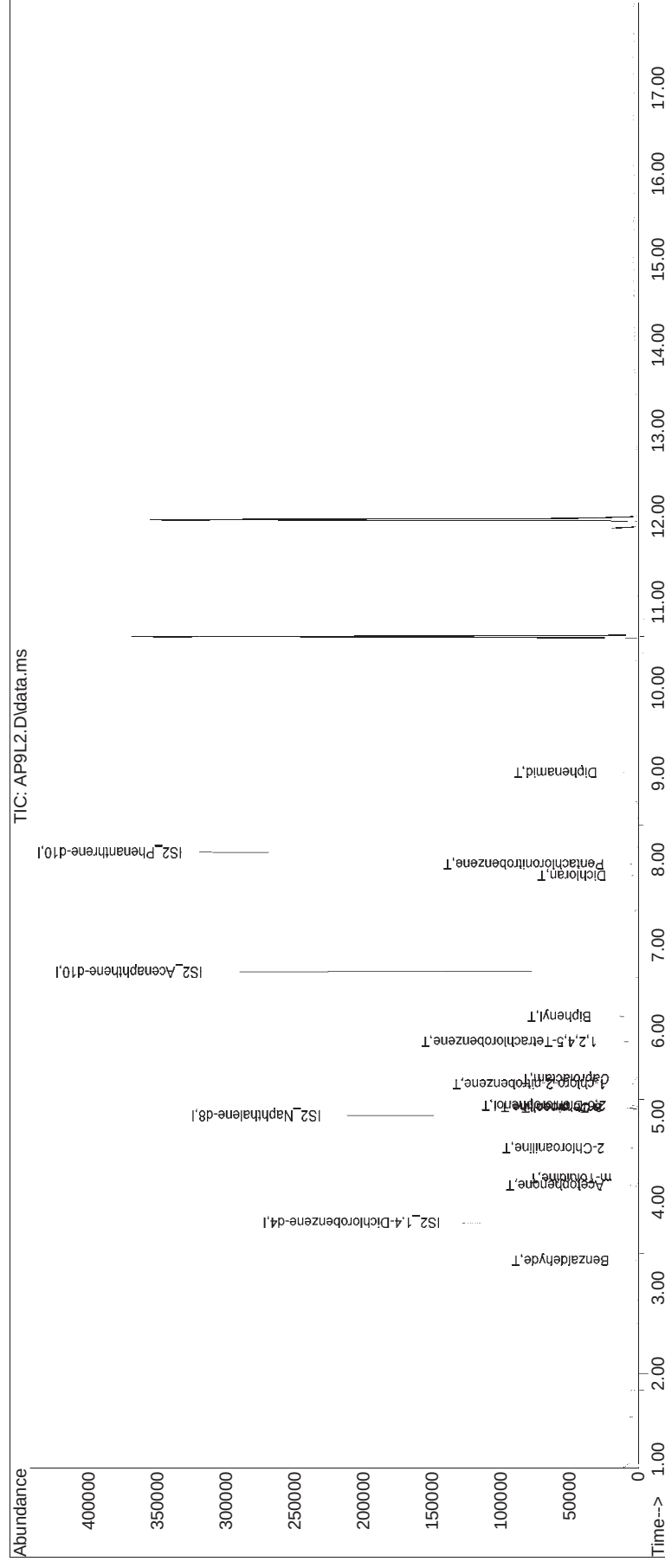
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

```
Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L2.D
Acq On : 18 Aug 2025 12:28 am
Operator : SV112:slr
Sample : IL9,32,,AP9L0.2 Lot# 11843
Misc : WG2104073,,ical
ALS Vial : 17 Sample Multiplier: 1
```

Quant Time: Aug 18 06:18:19 2025
Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Mon Aug 18 06:18:29 2025
Response via : Initial Calibration

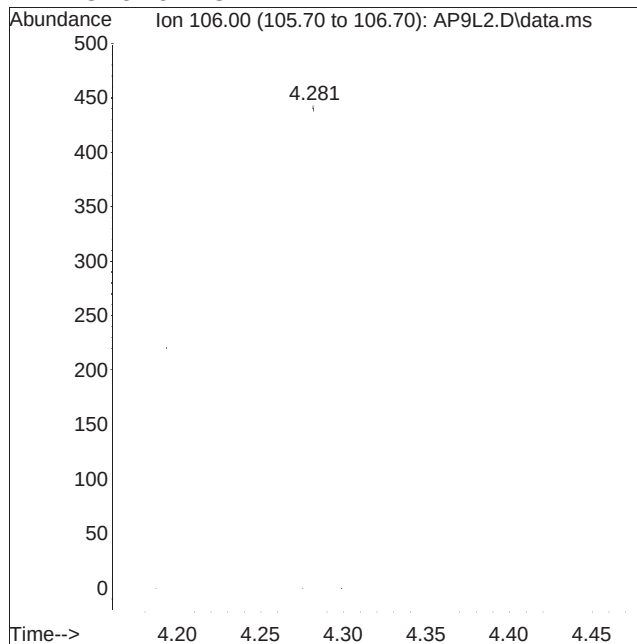
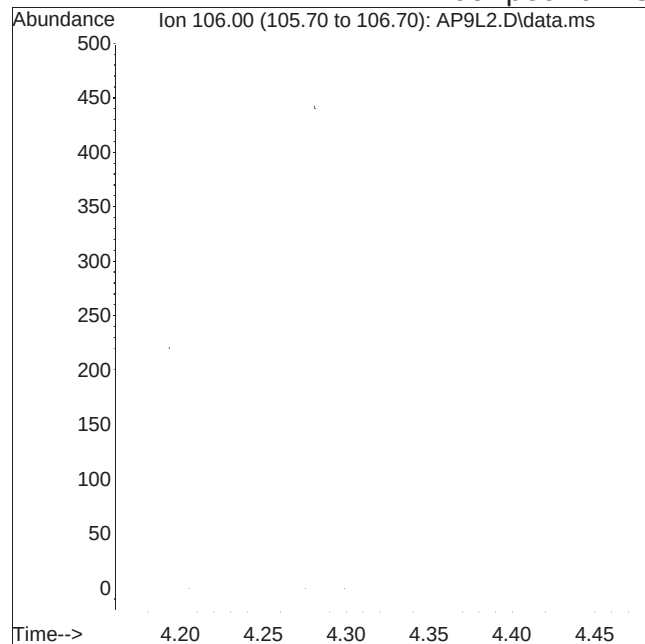
Sub List : AP9i\ta\827\A9V1\1a\250b17RV\Tical\AP9L6.D.



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L2.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:28 am Instrument : SV112
Sample : IL9, 32,, AP9L0.2 Lot# 11843 Quant Date : 8/18/2025 6:19 am

Compound #30: m-Toluidine



Original Peak Response = 0

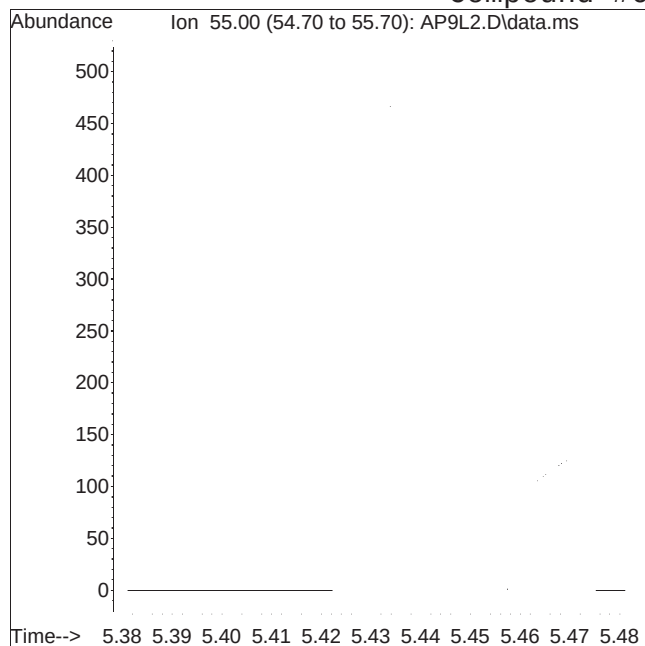
Manual Peak Response = 324 M2

M2 = Peak not found by automatic integration algorithm.

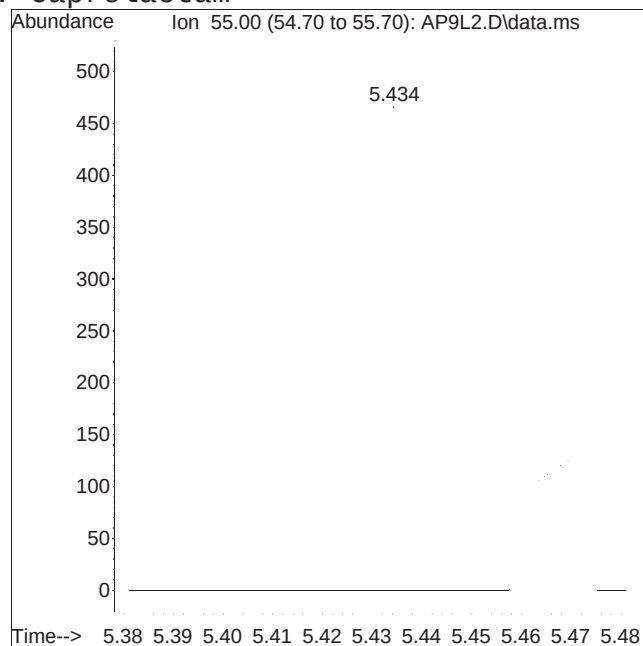
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L2.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:28 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 11843 Quant Date : 8/18/2025 6:19 am

Compound #60: Caprolactam



Original Peak Response = 0



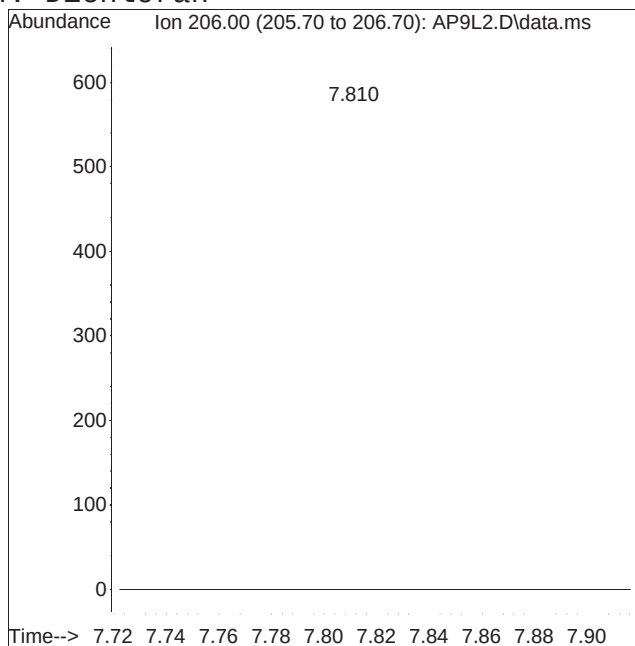
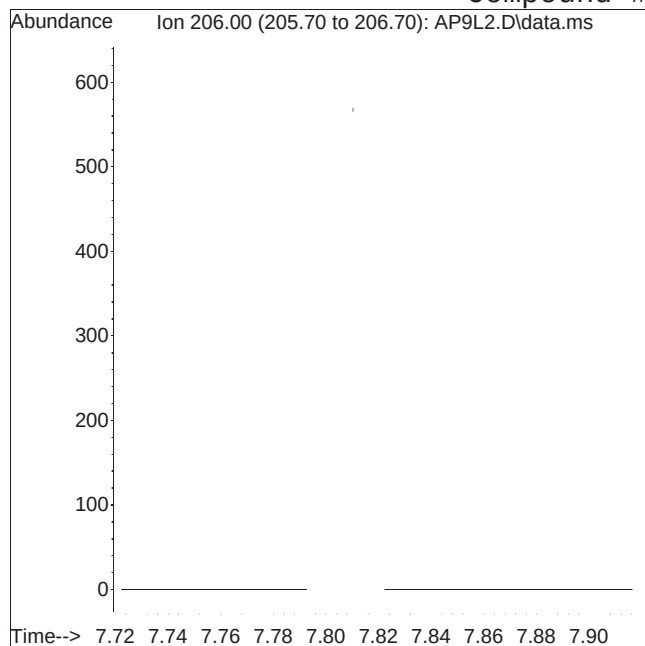
Manual Peak Response = 464 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : AP9L2.D Operator : SV112:slr
Date Inj'd : 8/18/2025 12:28 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 11843 Quant Date : 8/18/2025 6:19 am

Compound #84: Dichloran



Original Peak Response = 0

Manual Peak Response = 446 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L1.D
 Acq On : 18 Aug 2025 12:50 am
 Operator : SV112:slr
 Sample : IL10,32,,AP9L0.1 Lot# 11865
 Misc : WG2104073,,ical
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 06:18:10 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	18701	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery =	84.03%		
55) IS2_Naphthalene-d8	5.011	136	72576	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery =	83.42%		
83) IS2_Acenaphthene-d10	6.687	164	46826	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery =	83.59%		
98) IS2_Phenanthrene-d10	8.081	188	106960	4.000	ug/ml	# 0.00
Standard Area 3 = 123466			Recovery =	86.63%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.317	105	226M2	0.082	ug/ml	
29) Acetophenone	4.199	105	855	0.092	ug/ml#	51
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	4.640	127	702	0.088	ug/ml#	46
56) a-Terpineol	5.099	59	458M2	0.086	ug/ml	
57) 3-Chloroaniline	5.105	65	118M2	0.052	ug/ml	
58) 2,6-Dichlorophenol	5.128	162	409M2	0.083	ug/ml	
59) 1-chloro-2-nitrobenzene	5.381	111	176M2	0.072	ug/ml	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	5.875	216	698	0.084	ug/ml#	19
62) Biphenyl	6.169	154	1669	0.089	ug/ml	96
84) Dichloran	7.810	206	137M2	0.071	ug/ml	
85) Pentachloronitrobenzene	7.946	237	192M2	0.085	ug/ml	
99) Diphenamid	9.010	167	1106	0.086	ug/ml#	94

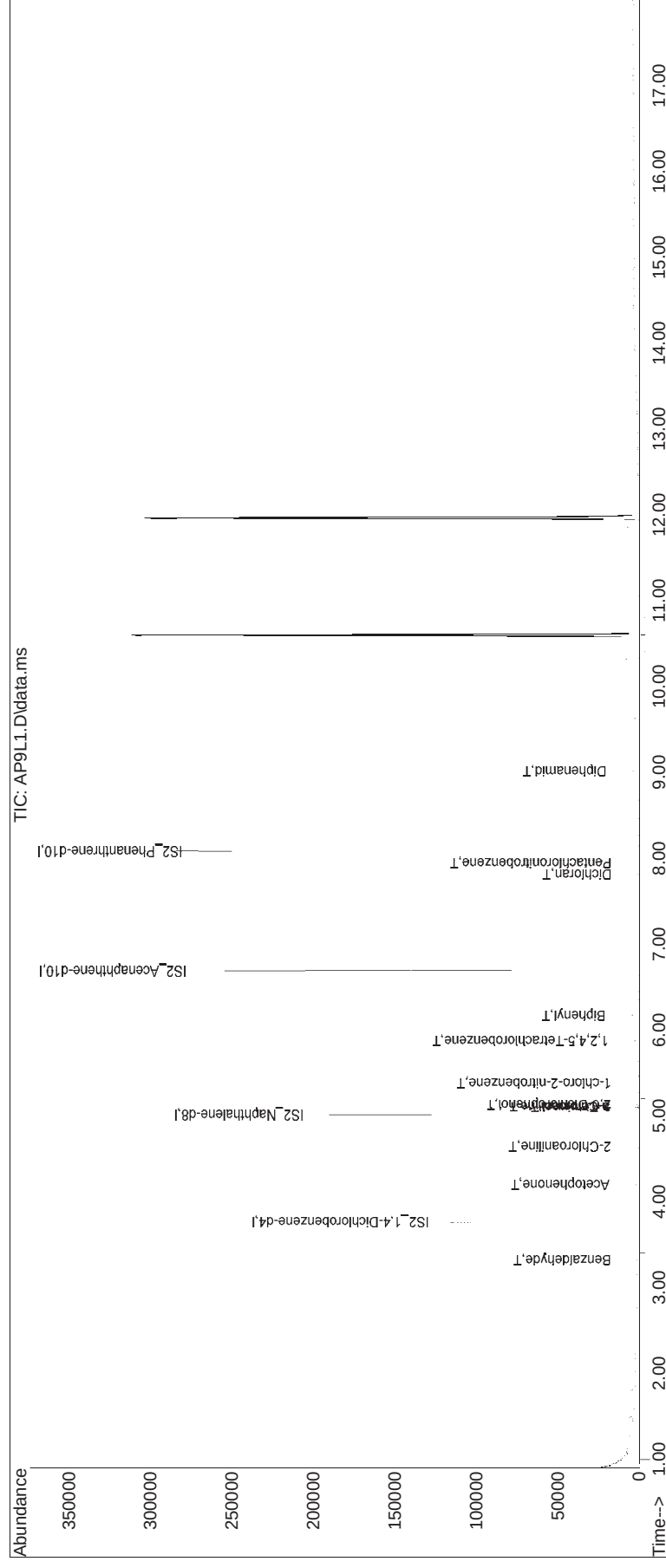
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9L1.D
 Acq On : 18 Aug 2025 12:50 am
 Operator : SV112:slr
 Sample : IL10,32,,AP9L0.1 Lot# 11865
 Misc : WG2104073,,ical
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 18 06:18:10 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 06:18:29 2025
 Response via : Initial Calibration

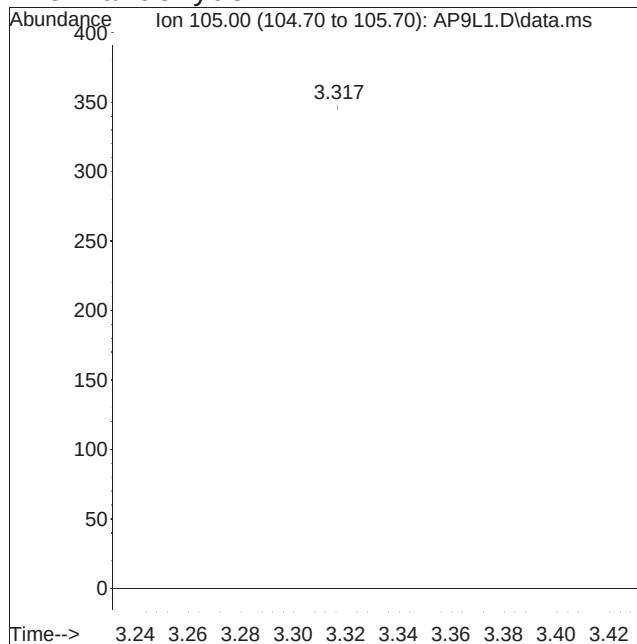
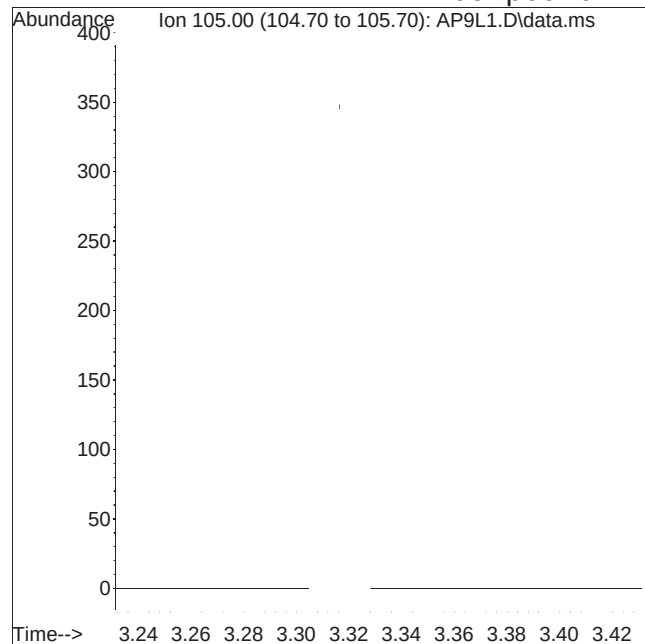
Sub List : ~~AP9L1\8270\AP9L1.D~~ **AP9L1\8270\AP9L1.D**



Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10, 32,, AP9L0.1 Lot# 1186
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #28: Benzaldehyde



Original Peak Response = 0

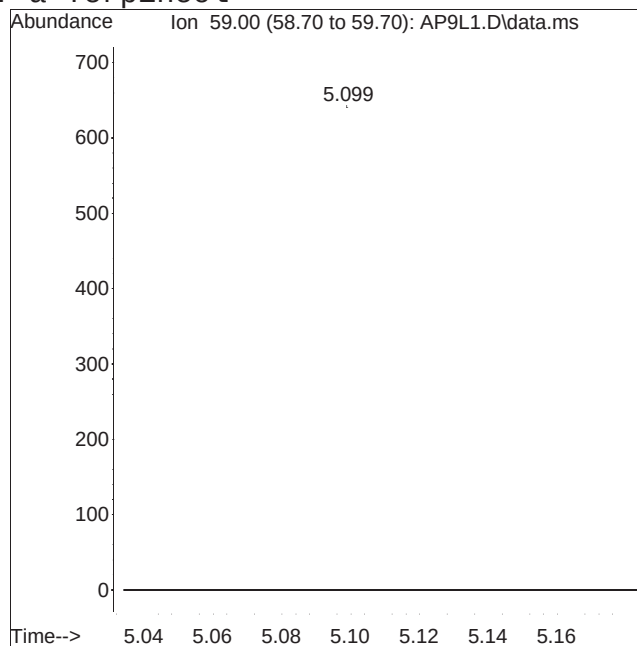
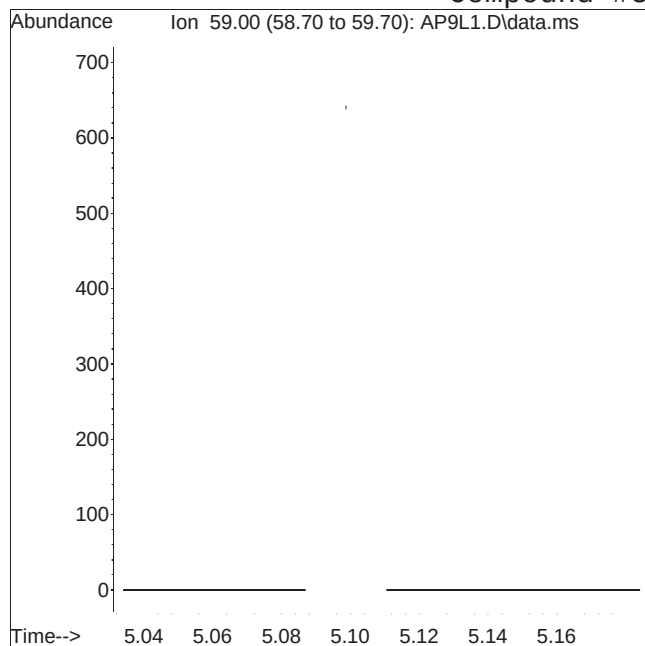
Manual Peak Response = 226 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 1186
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #56: a-Terpineol



Original Peak Response = 0

Manual Peak Response = 458 M2

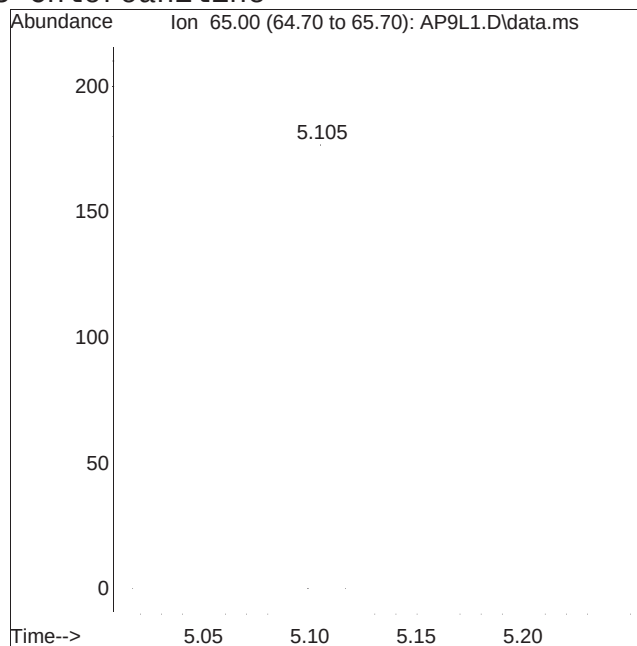
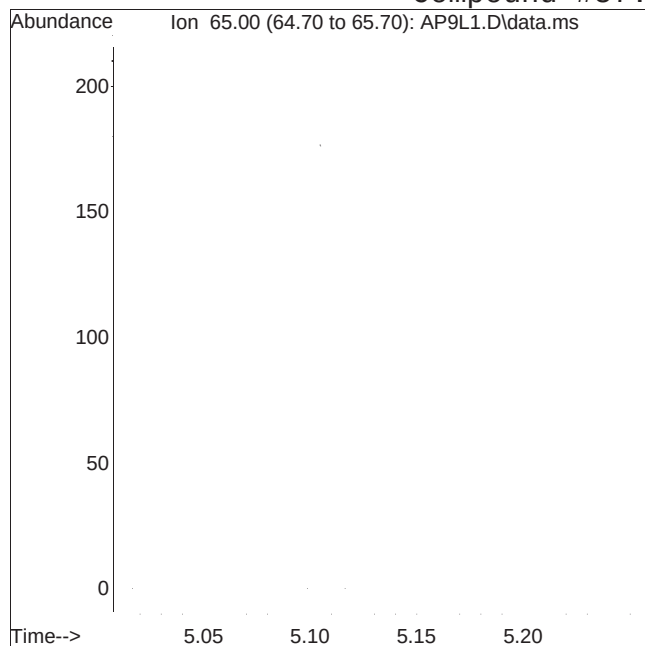
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 1186

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #57: 3-Chloroaniline



Original Peak Response = 0

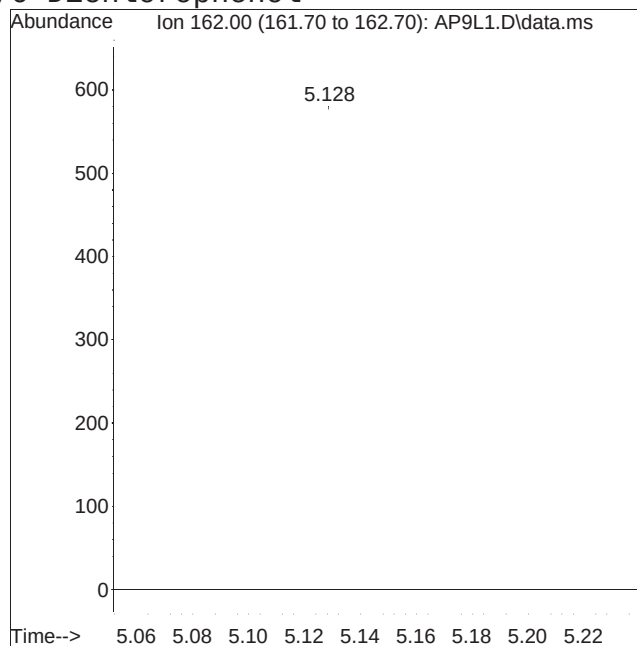
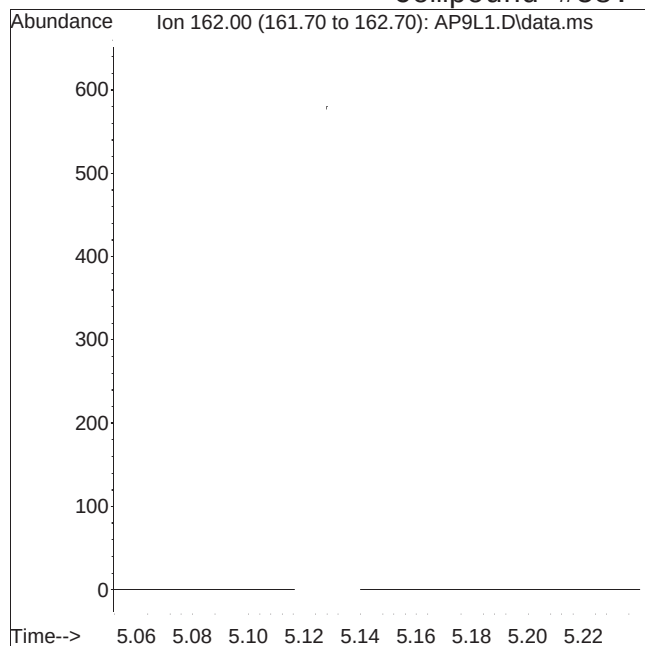
Manual Peak Response = 118 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 1186
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #58: 2,6-Dichlorophenol



Original Peak Response = 0

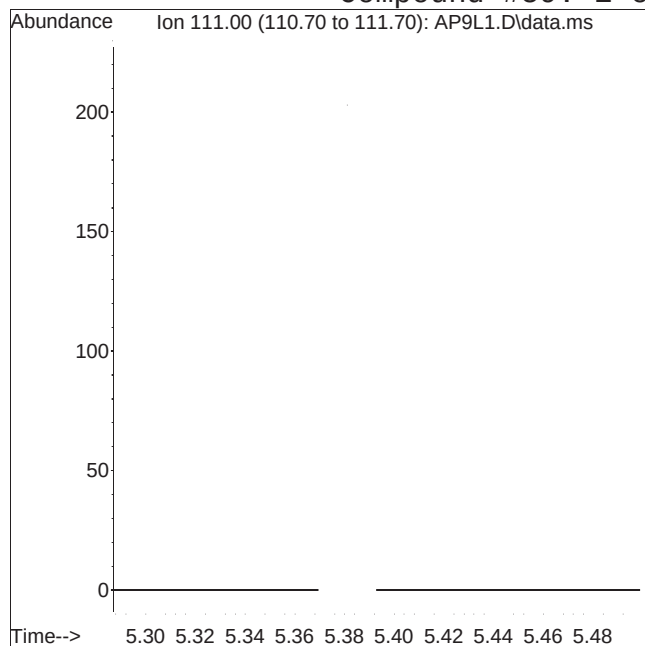
Manual Peak Response = 409 M2

M2 = Peak not found by automatic integration algorithm.

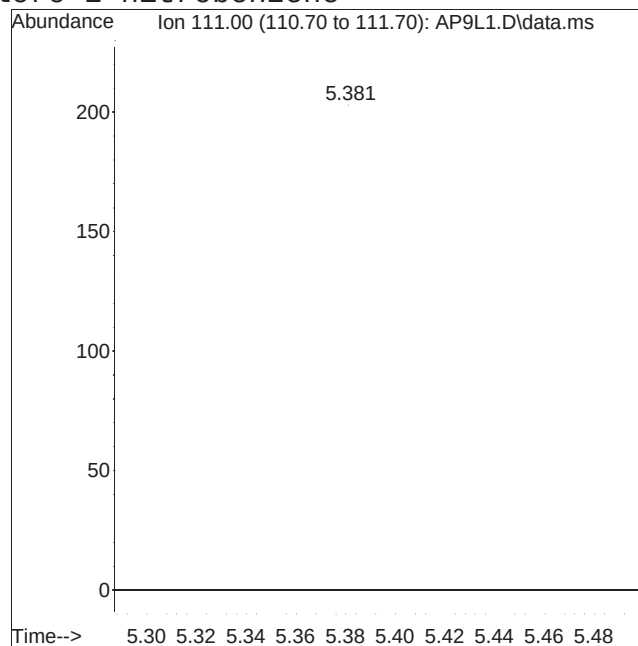
Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 1186
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



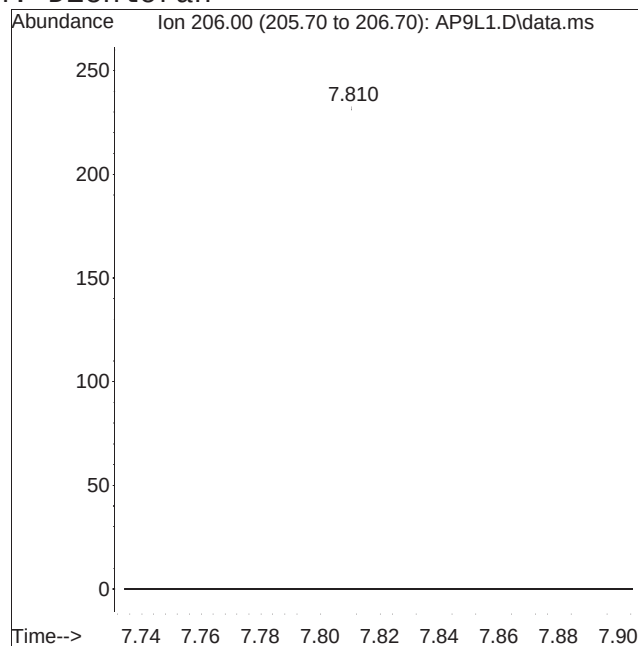
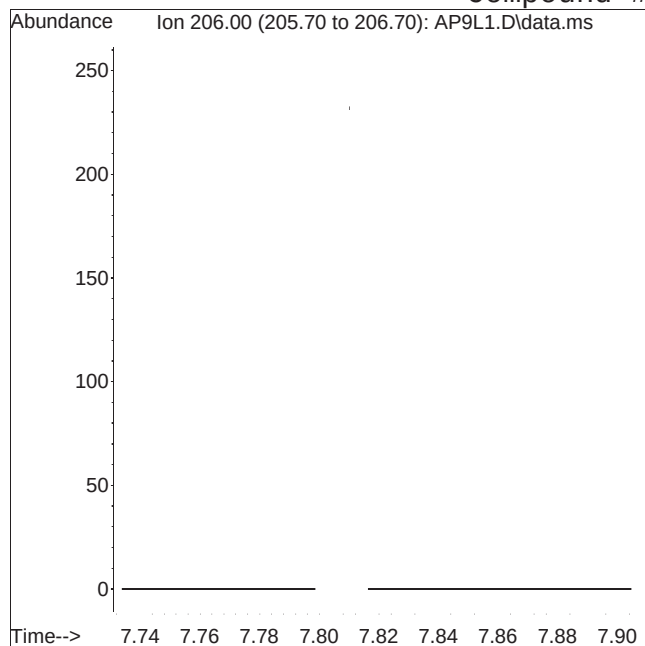
Manual Peak Response = 176 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 1186
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #84: Dichloran



Original Peak Response = 0

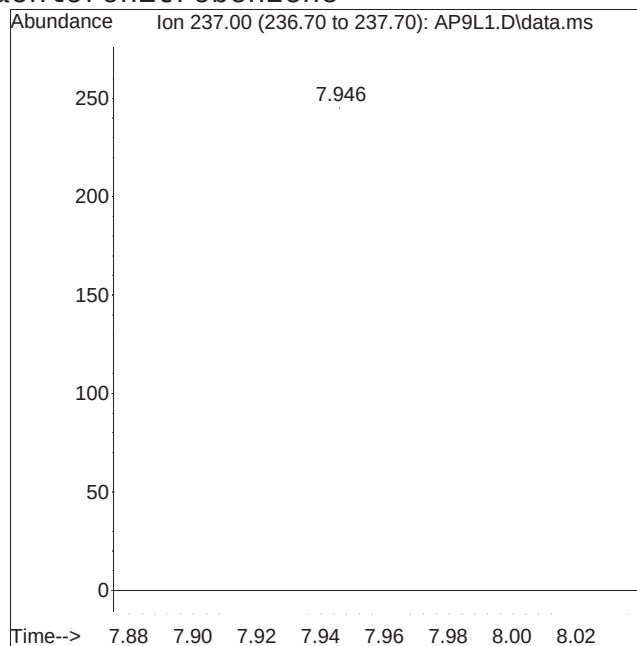
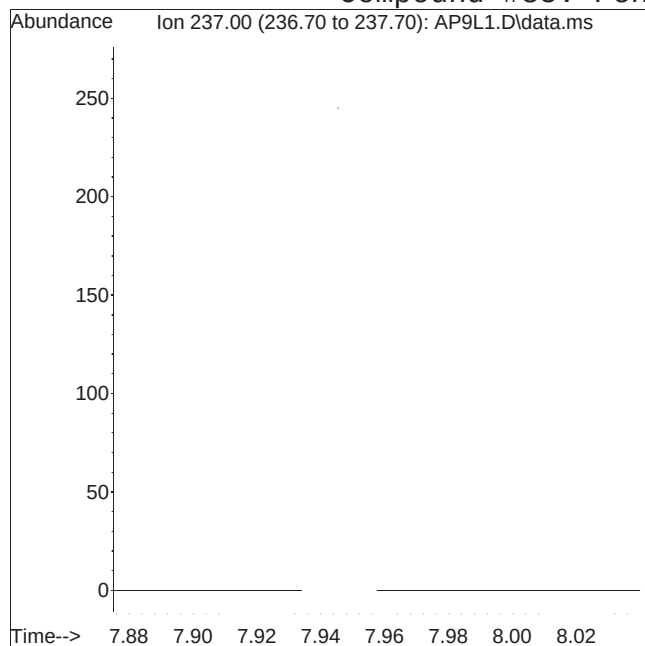
Manual Peak Response = 137 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : AP9L1.D
Date Inj'd : 8/18/2025 12:50 am
Sample : IL10,32,,AP9L0.1 Lot# 1186
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0

Manual Peak Response = 192 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9ICV.D
 Acq On : 18 Aug 2025 01:35 am
 Operator : SV112:slr
 Sample : CQICV2,32,,AP9ICV Lot# 11855
 Misc : WG2104073,,ical
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 06:52:01 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
28 T	Benzaldehyde	0.597	0.732	-22.6	129	0.00
29 T	Acetophenone	1.980	1.882	4.9	99	0.00
30 T	m-Toluidine	1.191	1.395	-17.1	116	0.00
31 T	2-Chloroaniline	1.688	1.618	4.1	98	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	101	0.00
56 T	a-Terpineol	0.298	0.284	4.7	99	0.00
57 T	3-Chloroaniline	0.138	0.143	-3.6	106	0.00
58 T	2,6-Dichlorophenol	0.282	0.280	0.7	98	0.00
59 T	1-chloro-2-nitrobenzene	0.137	0.130	5.1	97	0.00
60 T	Caprolactam	0.177	0.169	4.5	99	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.443	0.416	6.1	99	0.00
62 T	Biphenyl	0.978	0.908	7.2	98	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	102	0.00
84 T	Dichloran	0.179	0.158	11.7	96	0.00
85 T	Pentachloronitrobenzene	0.205	0.189	7.8	100	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
99 T	Diphenamid	0.494	0.480	2.8	101	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9ICV.D
 Acq On : 18 Aug 2025 01:35 am
 Operator : SV112:slr
 Sample : CQICV2,32,,AP9ICV Lot# 11855
 Misc : WG2104073,,ical
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 06:52:01 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.764	152	22105	4.000	ug/ml	0.00
Standard Area 3 = 22256			Recovery	=	99.32%	
55) IS2_Naphthalene-d8	5.011	136	88030	4.000	ug/ml	0.00
Standard Area 3 = 86996			Recovery	=	101.19%	
83) IS2_Acenaphthene-d10	6.687	164	57313	4.000	ug/ml	0.00
Standard Area 3 = 56018			Recovery	=	102.31%	
98) IS2_Phenanthrene-d10	8.081	188	125850	4.000	ug/ml	0.00
Standard Area 3 = 123466			Recovery	=	101.93%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.305	105	20215	6.129	ug/ml	95
29) Acetophenone	4.187	105	52004	4.752	ug/ml	93
30) m-Toluidine	4.281	106	38532	5.853	ug/ml	97
31) 2-Chloroaniline	4.634	127	44702	4.792	ug/ml	99
56) a-Terpineol	5.093	59	31294	4.772	ug/ml	100
57) 3-Chloroaniline	5.105	65	15707	5.157	ug/ml	88
58) 2,6-Dichlorophenol	5.128	162	30864	4.965	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.375	111	14287	4.724	ug/ml	97
60) Caprolactam	5.422	55	18642	4.776	ug/ml	94
61) 1,2,4,5-Tetrachloroben...	5.875	216	45776	4.691	ug/ml	96
62) Biphenyl	6.169	154	99955	4.643	ug/ml	98
84) Dichloran	7.810	206	11291	4.391	ug/ml#	76
85) Pentachloronitrobenzene	7.946	237	13553	4.621	ug/ml#	84
99) Diphenamid	9.016	167	75533	4.856	ug/ml	89

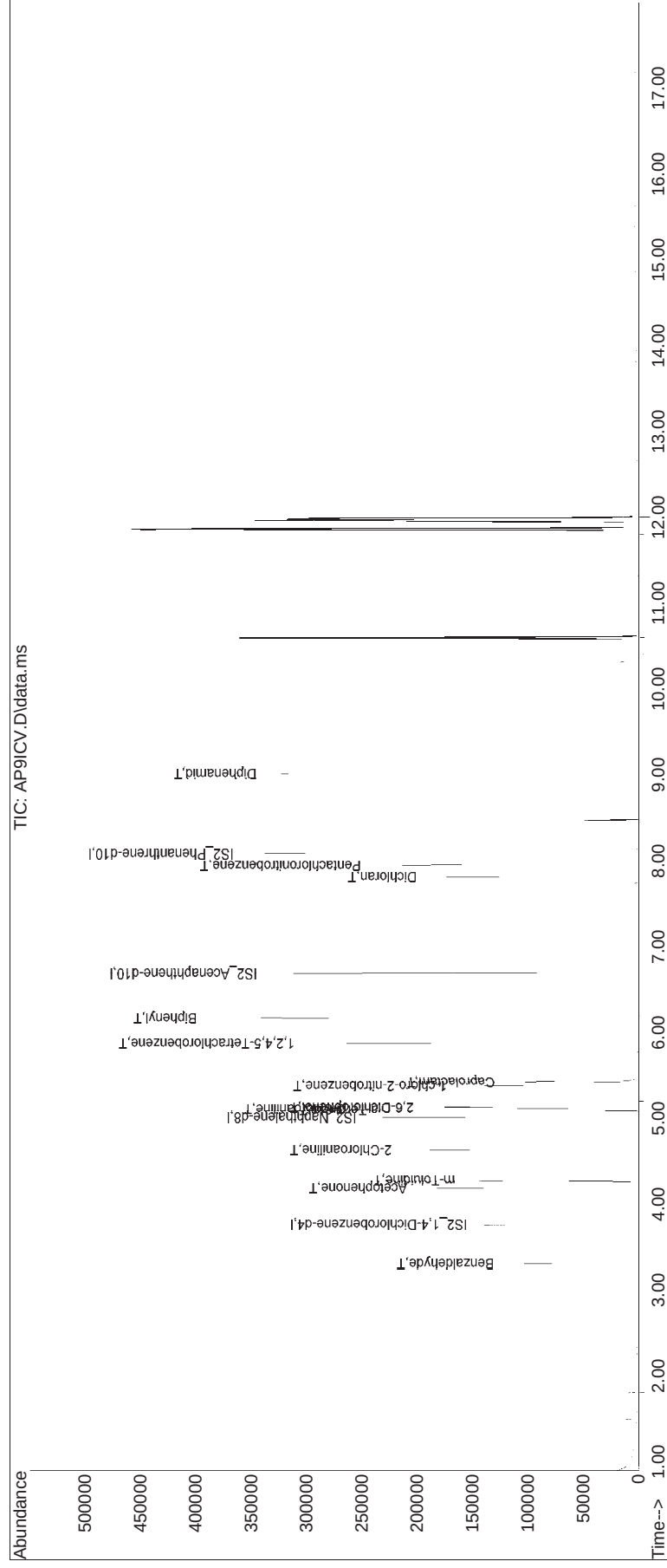
(#) = qualifier out of range (m) = manual integration (+) = signals summed

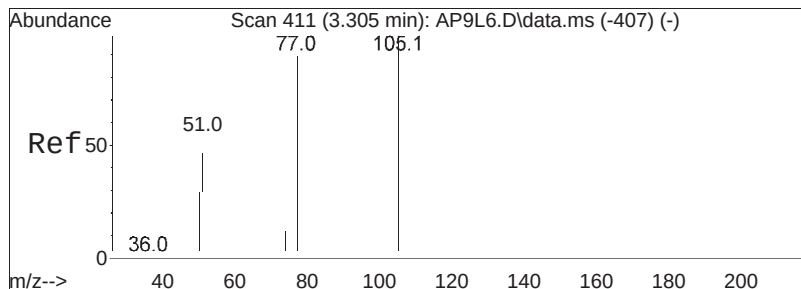
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : AP9ICV.D
 Acq On : 18 Aug 2025 01:35 am
 Operator : SV112:slr
 Sample : CQICV2,32,,AP9ICV Lot# 11855
 Misc : WG2104073,,ical
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 18 06:52:01 2025
 Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

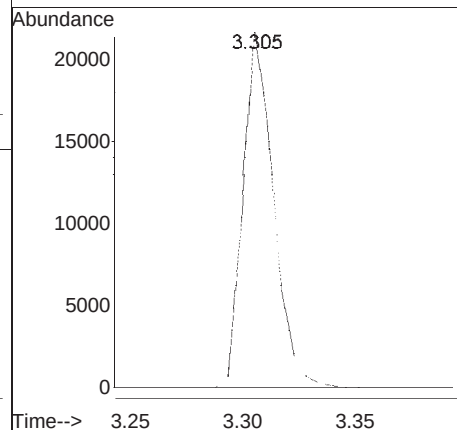
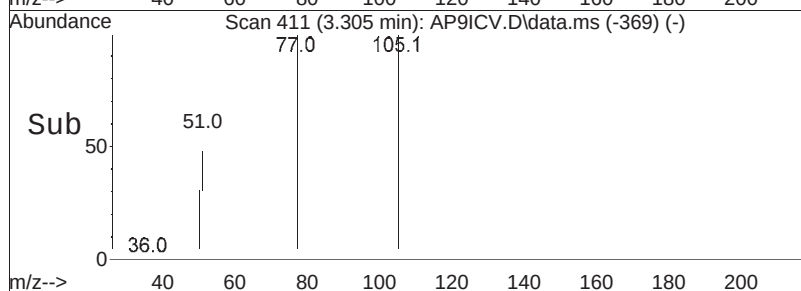
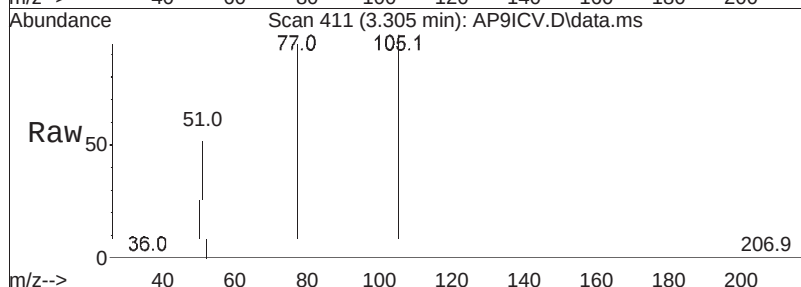
Sub List : AP9ICV\8270\AP9ICV\250817RVTical\AP9L6.D•

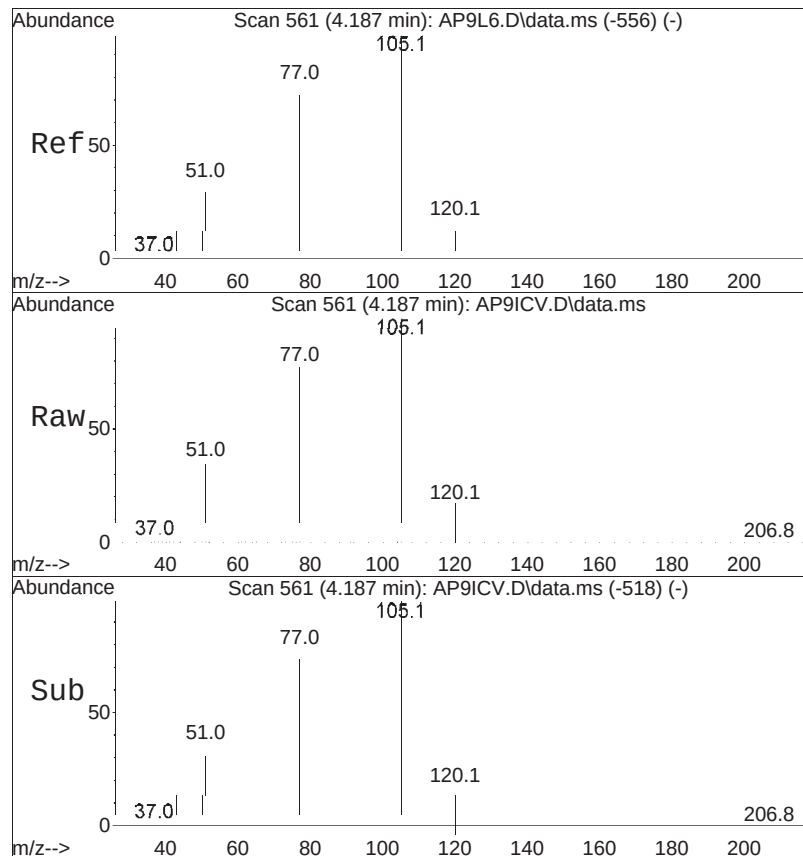




#28
Benzaldehyde
Concen: 6.13 ug/ml
RT: 3.305 min Scan# 411
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

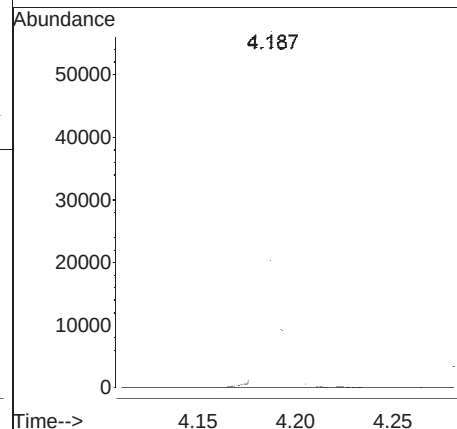
Tgt Ion:105 Resp: 20215
Ion Ratio Lower Upper
105 100
77 101.4 77.0 115.6

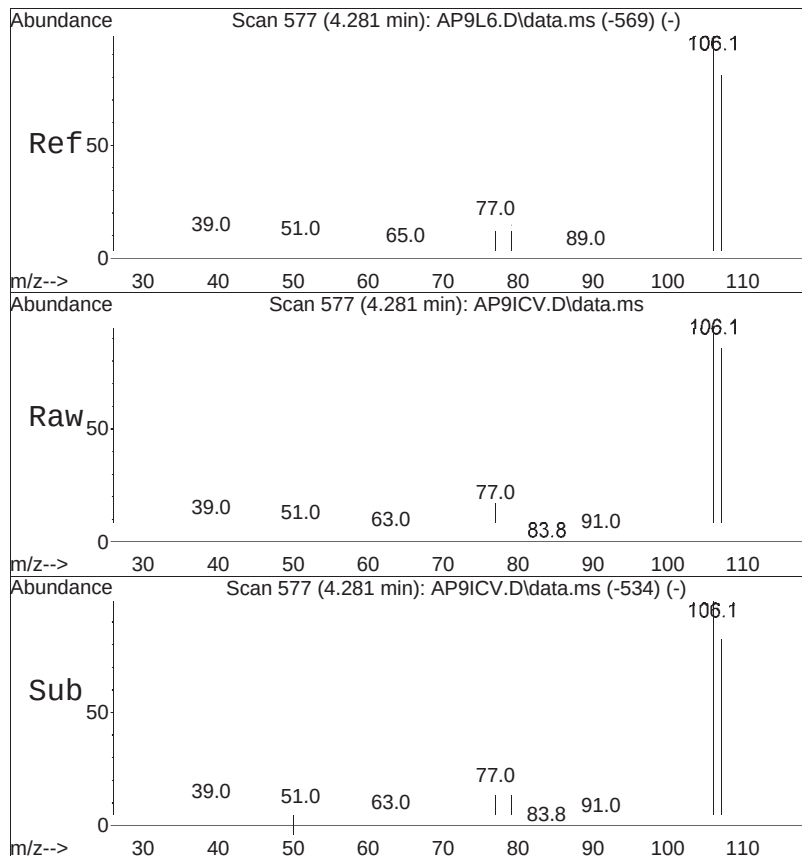




#29
 Acetophenone
 Concen: 4.75 ug/ml
 RT: 4.187 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

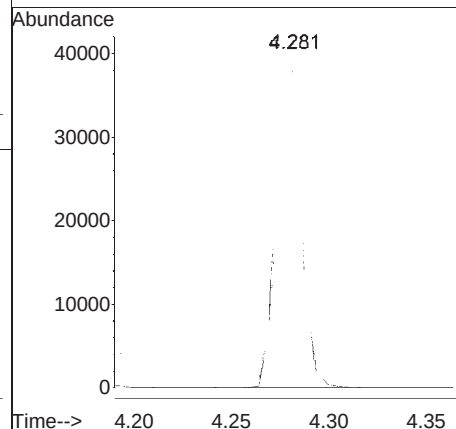
Tgt Ion:	105	Resp:	52004
Ion Ratio	Lower	Upper	
105	100		
120	16.9	15.2	22.8
51	33.5	23.1	34.7

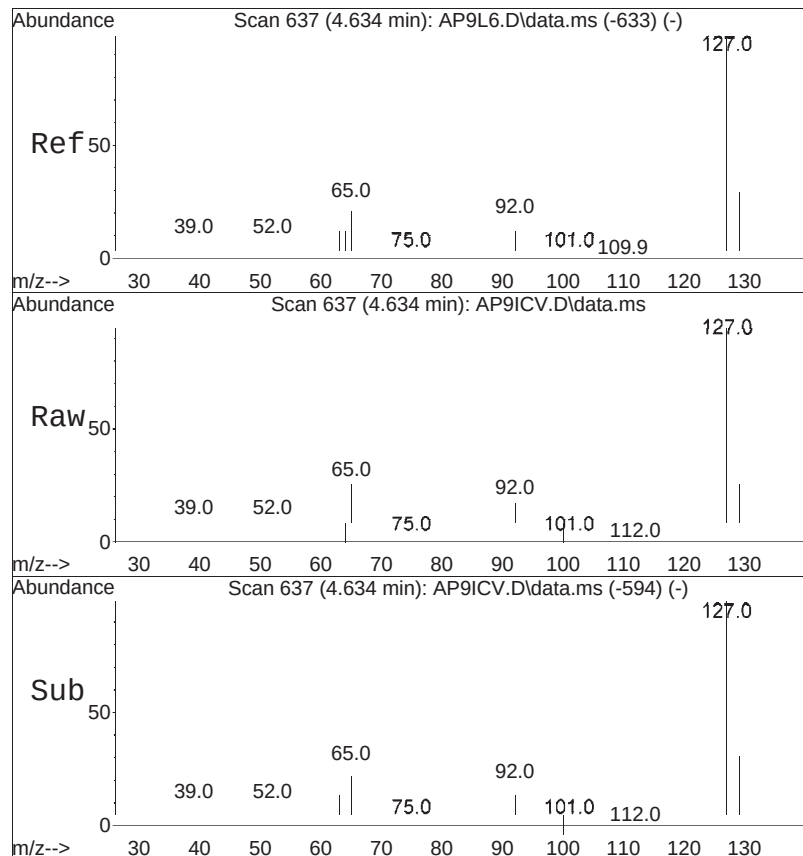




#30
 m-Toluidine
 Concen: 5.85 ug/ml
 RT: 4.281 min Scan# 577
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

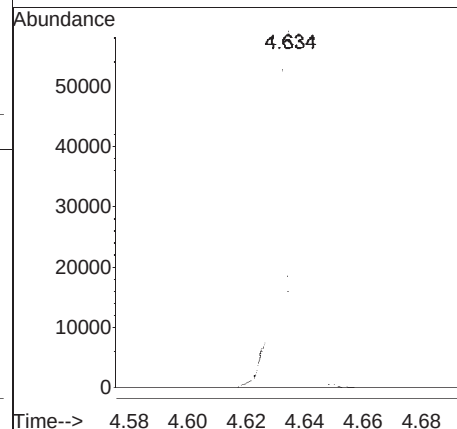
Tgt Ion:	106	Resp:	38532
Ion Ratio	Lower	Upper	
106	100		
107	87.6	72.3	108.5
79	15.3	12.2	18.2

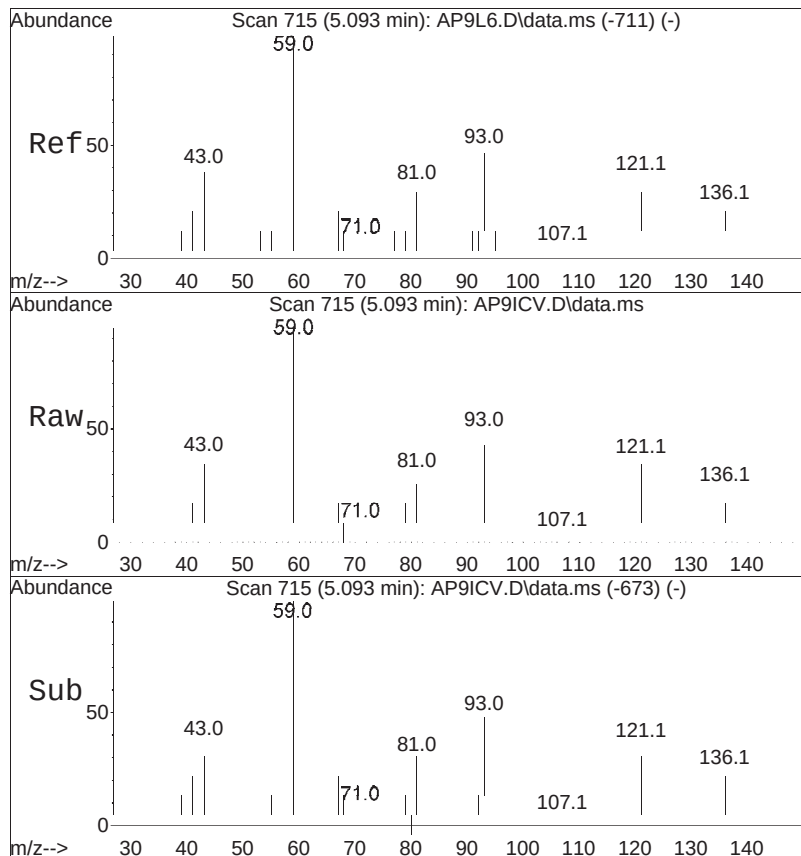




#31
 2-Chloroaniline
 Concen: 4.79 ug/ml
 RT: 4.634 min Scan# 637
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

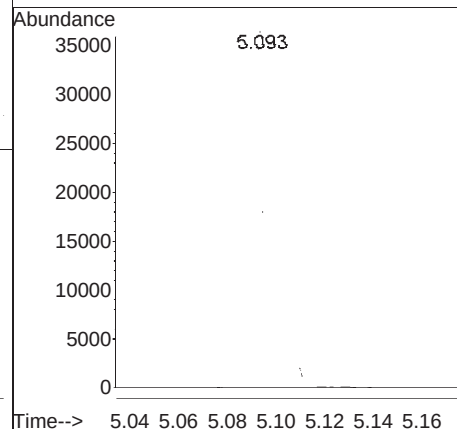
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	27.1	20.5	30.7

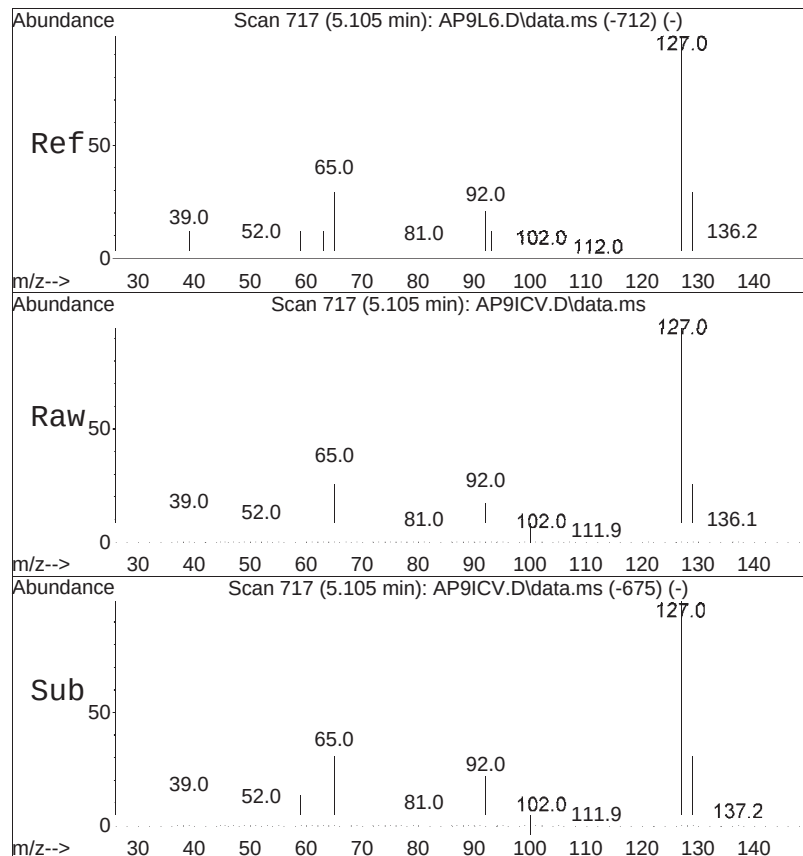




#56
a-Terpineol
Concen: 4.77 ug/ml
RT: 5.093 min Scan# 715
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

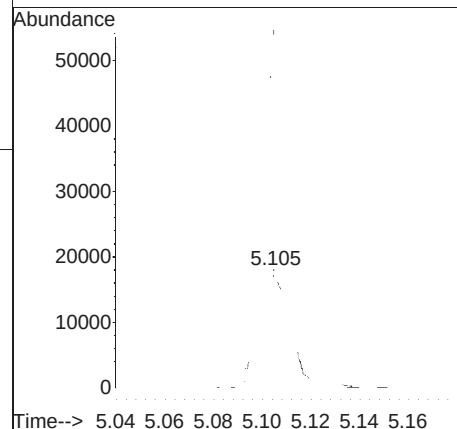
Tgt Ion	Ratio	Lower	Upper
59	100		
93	54.2	43.5	65.3

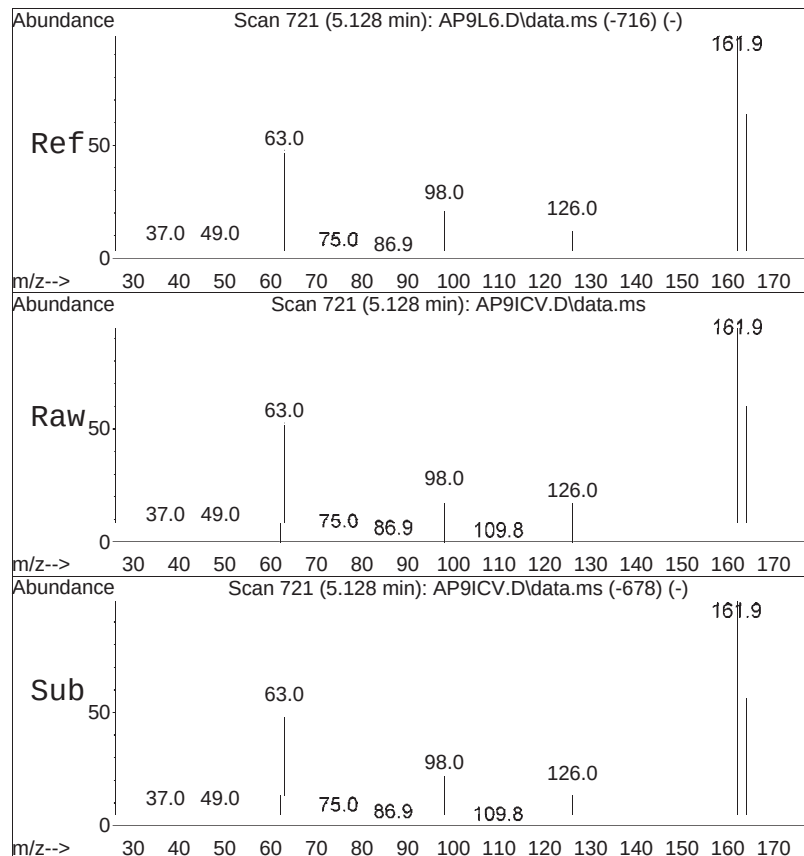




#57
 3-Chloroaniline
 Concen: 5.16 ug/ml
 RT: 5.105 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

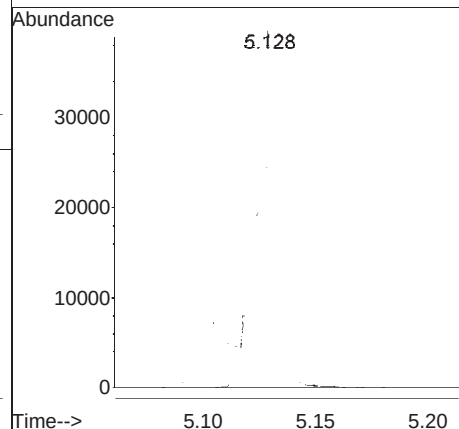
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	15707		
127	270.2		236.6	355.0
129	85.7		76.6	115.0

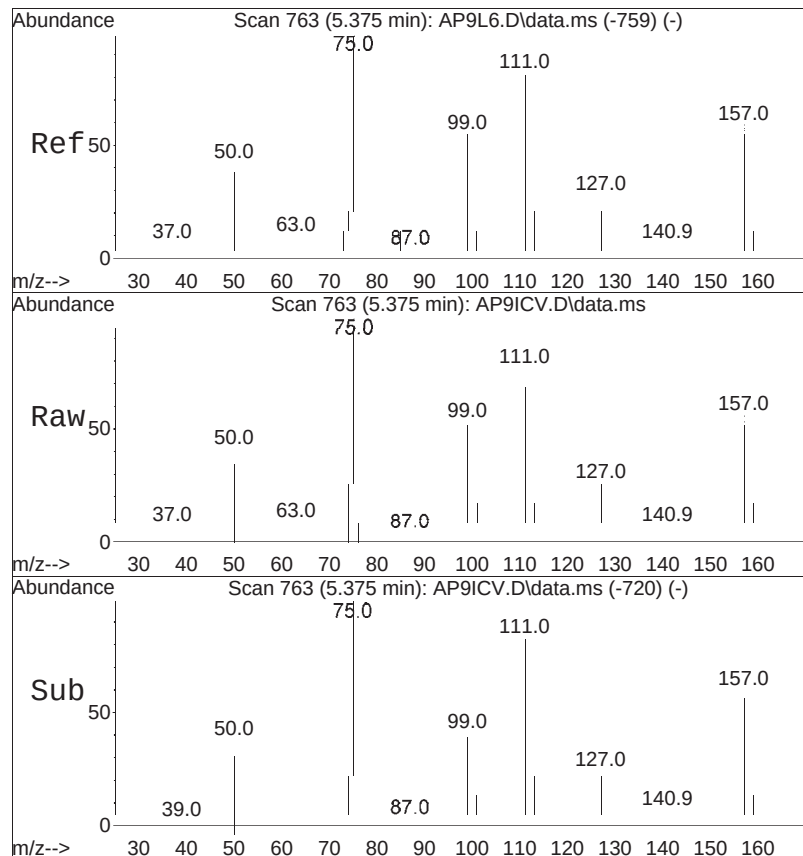




#58
 2,6-Dichlorophenol
 Concen: 4.96 ug/ml
 RT: 5.128 min Scan# 721
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

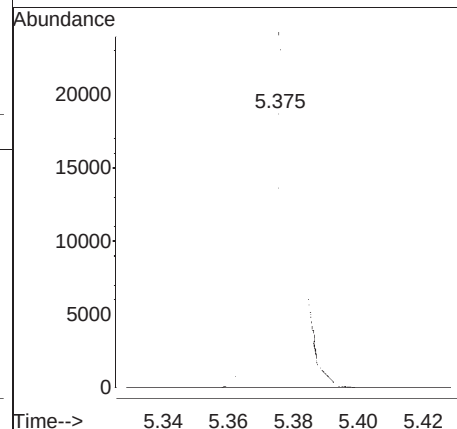
Tgt Ion:	162	Resp:	30864
Ion Ratio	Lower	Upper	
162	100		
164	64.1	50.8	76.2
63	78.8	53.6	80.4

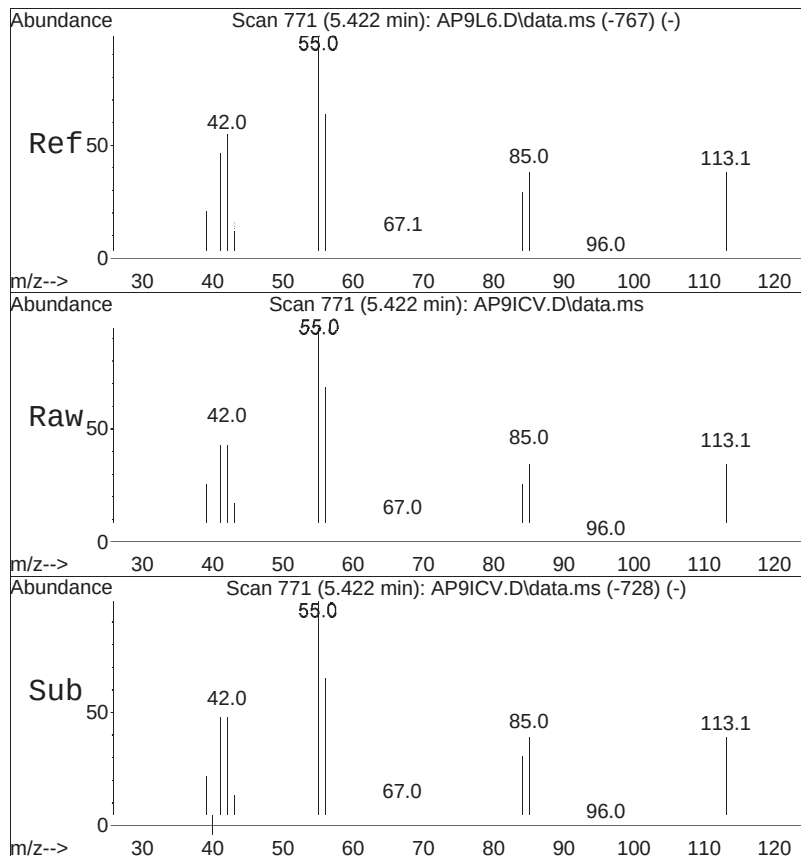




#59
 1-chloro-2-nitrobenzene
 Concen: 4.72 ug/ml
 RT: 5.375 min Scan# 763
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

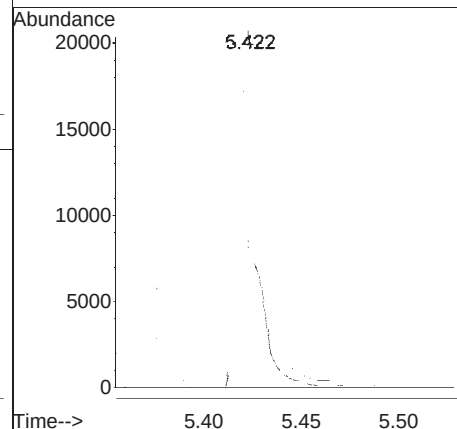
Tgt Ion	Ratio	Lower	Upper
111	100		
157	75.1	56.2	84.2
75	123.4	97.8	146.6

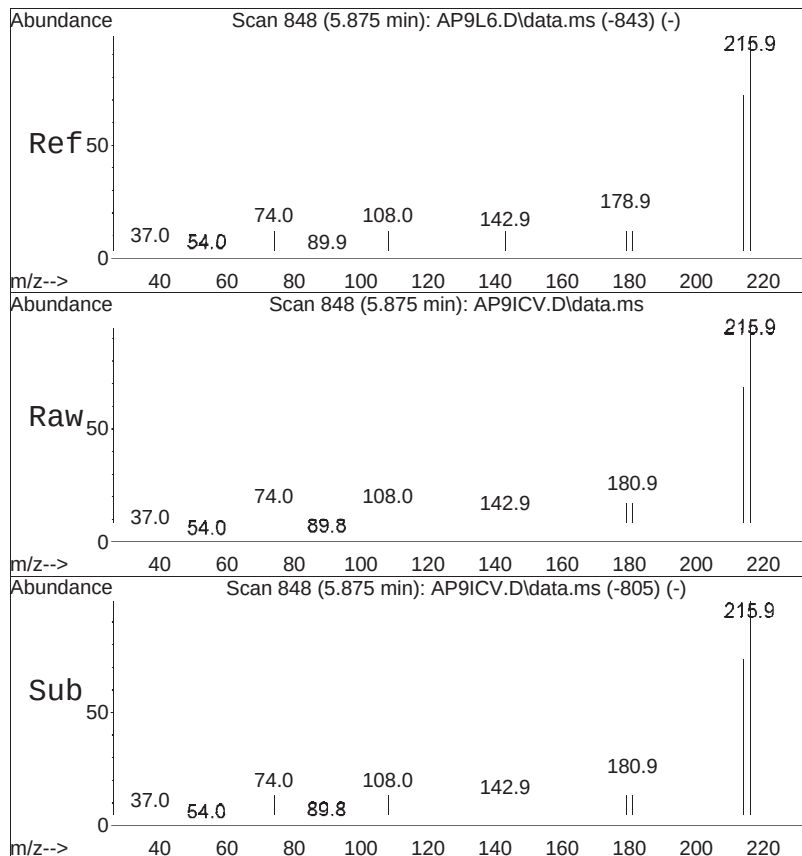




#60
 Caprolactam
 Concen: 4.78 ug/ml
 RT: 5.422 min Scan# 771
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

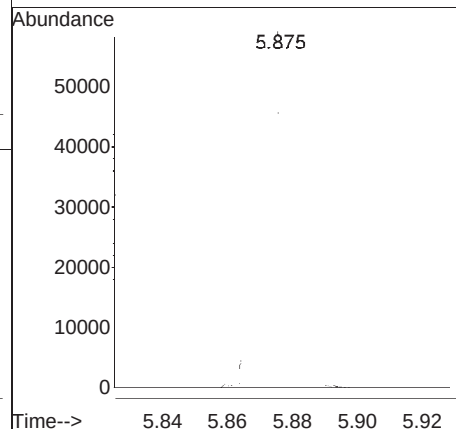
Tgt	Ion: 55	Resp:	18642
Ion	Ratio	Lower	Upper
55	100		
85	42.5	35.2	52.8
113	39.8	36.6	55.0

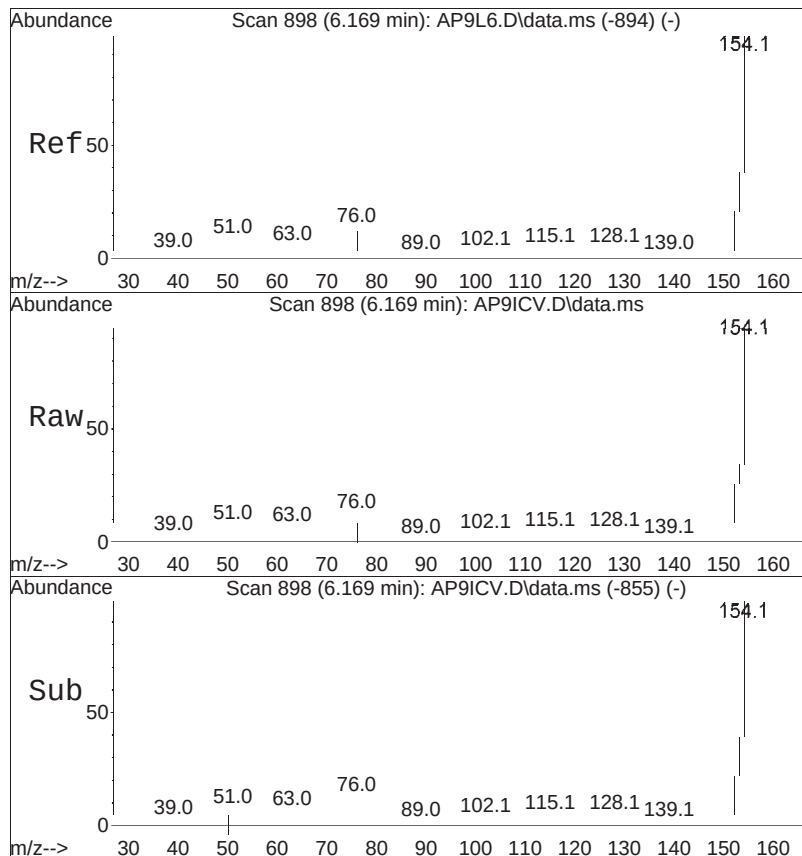




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.69 ug/ml
 RT: 5.875 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

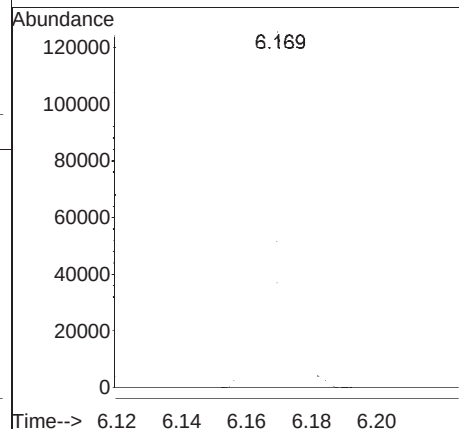
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	45776		
214	77.1		64.0	96.0
179	19.6		18.7	28.1

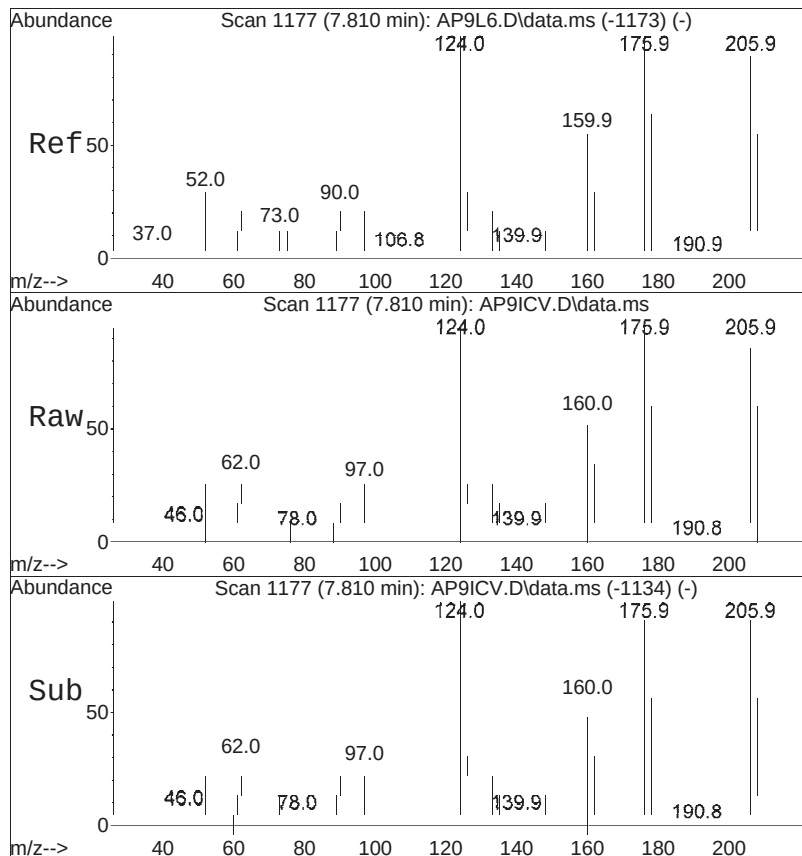




#62
 Biphenyl
 Concen: 4.64 ug/ml
 RT: 6.169 min Scan# 898
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

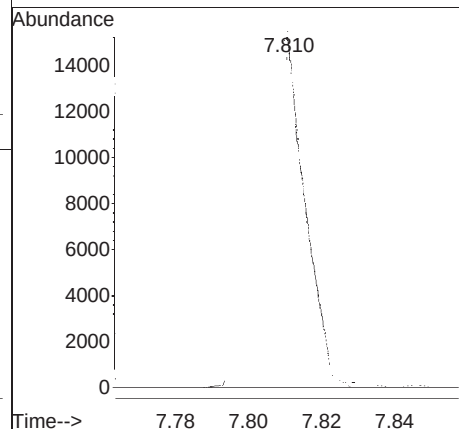
Tgt Ion:	154	Resp:	99955
Ion Ratio	Lower	Upper	
154	100		
153	41.5	32.5	48.7
152	29.2	22.6	34.0

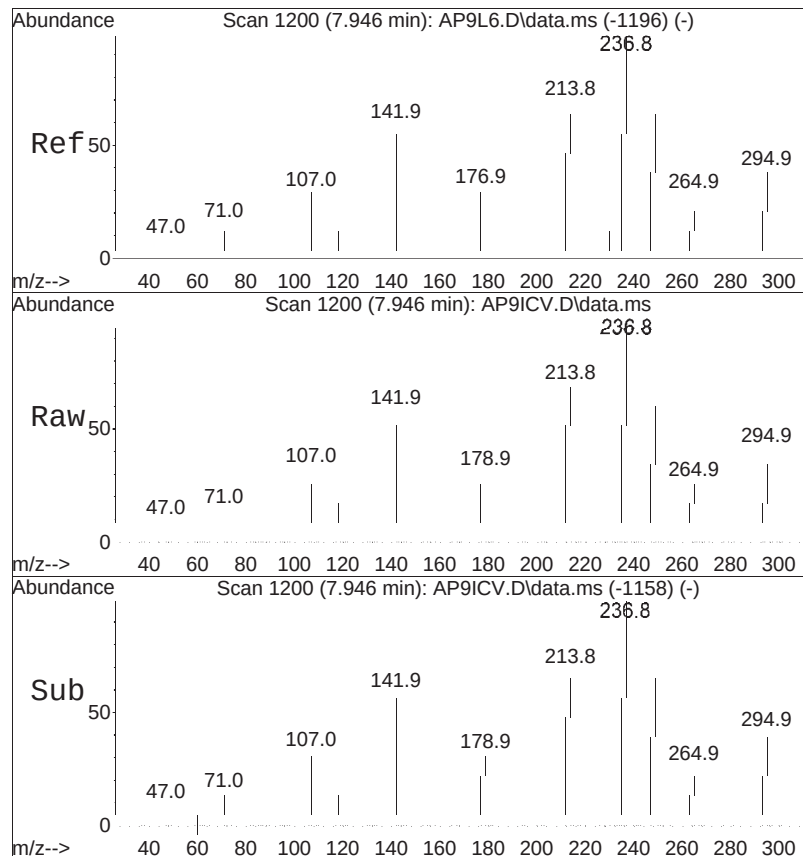




#84
 Dichloran
 Concen: 4.39 ug/ml
 RT: 7.810 min Scan# 1177
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

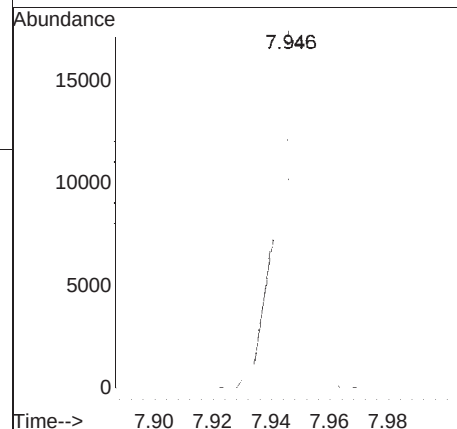
Tgt Ion	Ratio	Lower	Upper
206	100		
176	110.0	98.8	148.2
124	112.5	125.8	188.6#

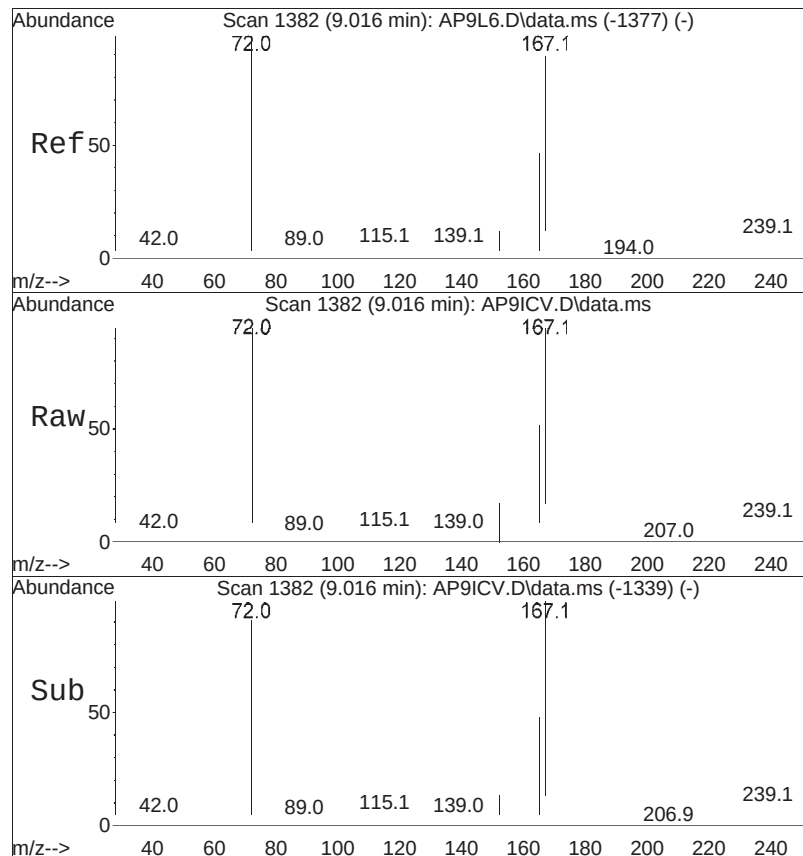




#85
 Pentachloronitrobenzene
 Concen: 4.62 ug/ml
 RT: 7.946 min Scan# 1200
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 18 Aug 2025 01:35 am

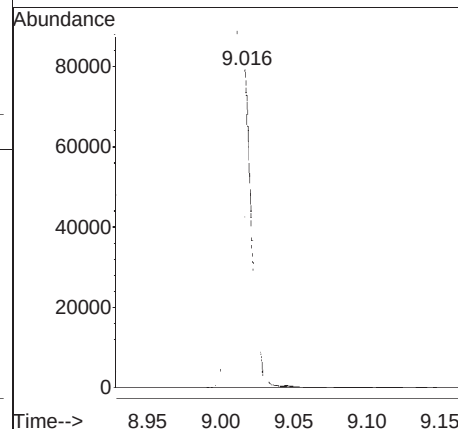
Tgt Ion	Ratio	Lower	Upper
237	100		
142	61.0	70.3	105.5#
214	73.4	59.4	89.2





#99
Diphenamid
Concen: 4.86 ug/ml
RT: 9.016 min Scan# 1382
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 18 Aug 2025 01:35 am

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	75533		
72	108.6		98.9	148.3
165	55.2		40.4	60.6



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : AP9ICV.D Operator : SV112:slr
Date Inj'd : 8/18/2025 1:35 am Instrument : SV112
Sample : CQICV2,32,,AP9ICV Lot# 118Quant Date

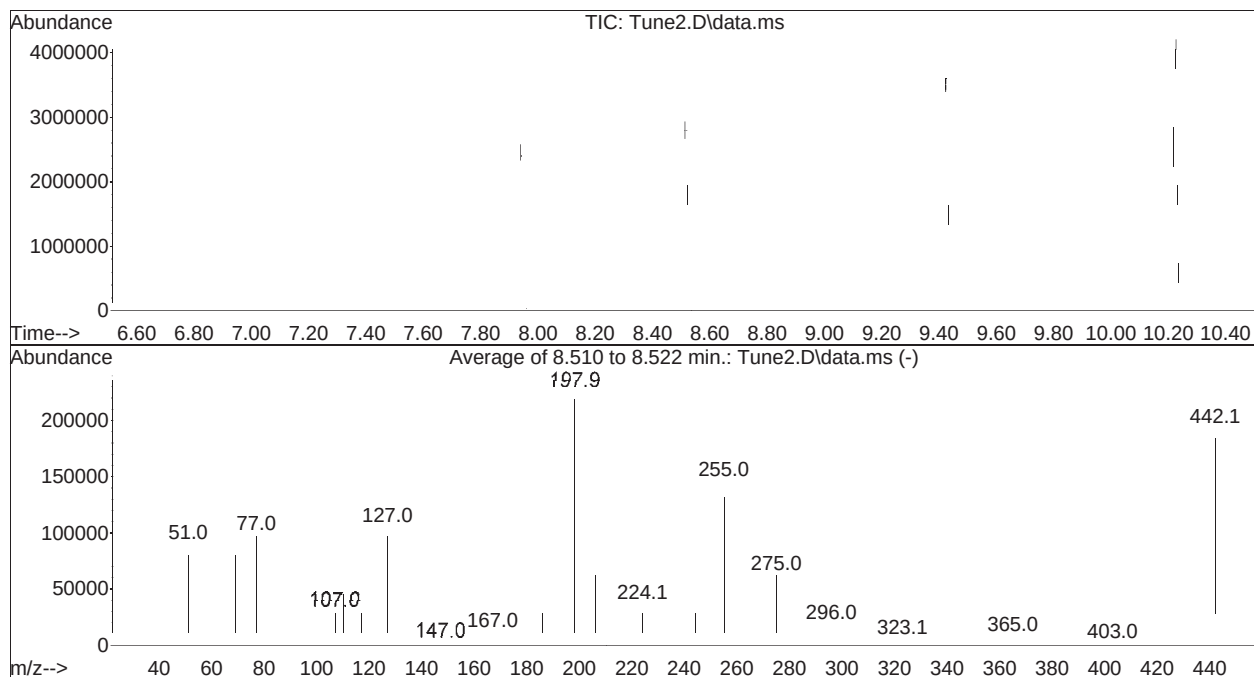
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\SV112\250817RVTical\
Data File : Tune2.D
Acq On : 18 Aug 2025 01:57 am
Operator : SV112:slr
Sample : Tune Lot#11857
Misc : WG2104073,,ical
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 18 06:54:37 2025



AutoFind: Scans 1296, 1297, 1298; Background Corrected with Scan 1290

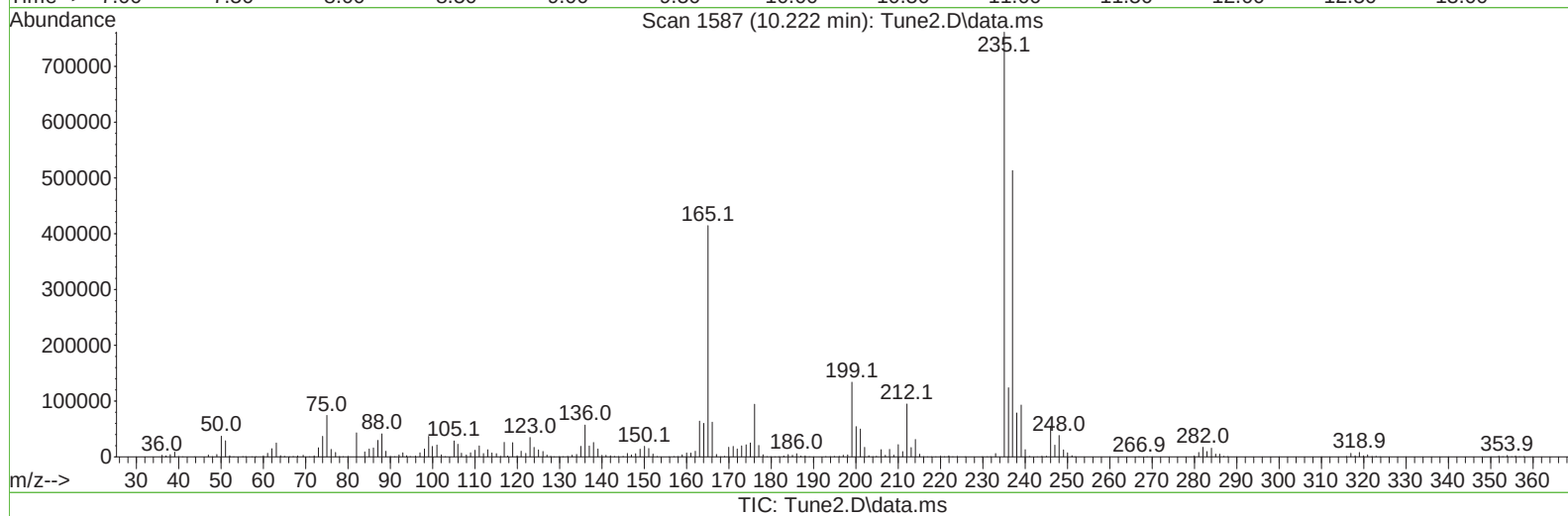
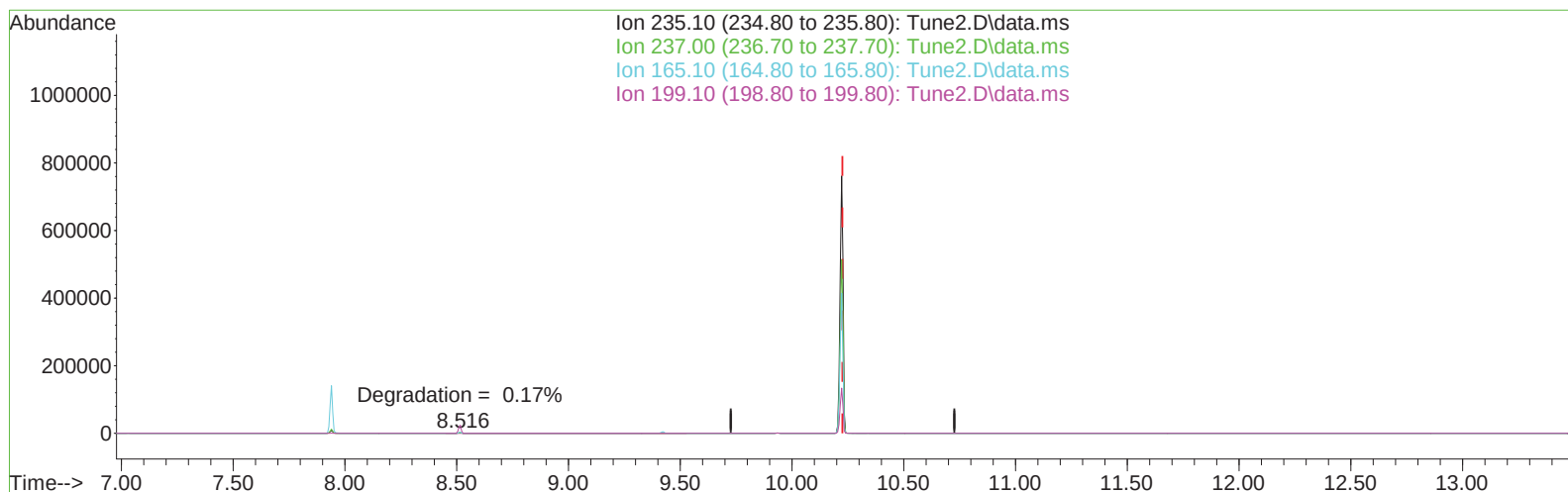
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.3	89907	PASS
68	69	0.00	2	1.6	1406	PASS
69	69	100	100	100.0	85517	PASS
70	69	0.00	2	0.5	430	PASS
127	198	10	80	45.1	105816	PASS
197	198	0.00	2	0.6	1515	PASS
198	198	100	100	100.0	234635	PASS
199	198	5	9	7.0	16407	PASS
275	198	10	60	26.7	62597	PASS
365	198	1	100	3.4	7980	PASS
441	442	0.01	24	16.9	32637	PASS
442	198	50	100	82.5	193555	PASS
443	442	15	24	19.8	38349	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : Tune2.D
 Acq On : 18 Aug 2025 01:57 am
 Operator : SV112:slr
 Sample : Tune Lot#11857
 Misc : WG2104073,,ical
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:27:31 2025

Quant Title : Semivolatiles by GC/MS by modified 8270



(6) DDT (T)

10.222min (-0.006) 0.00

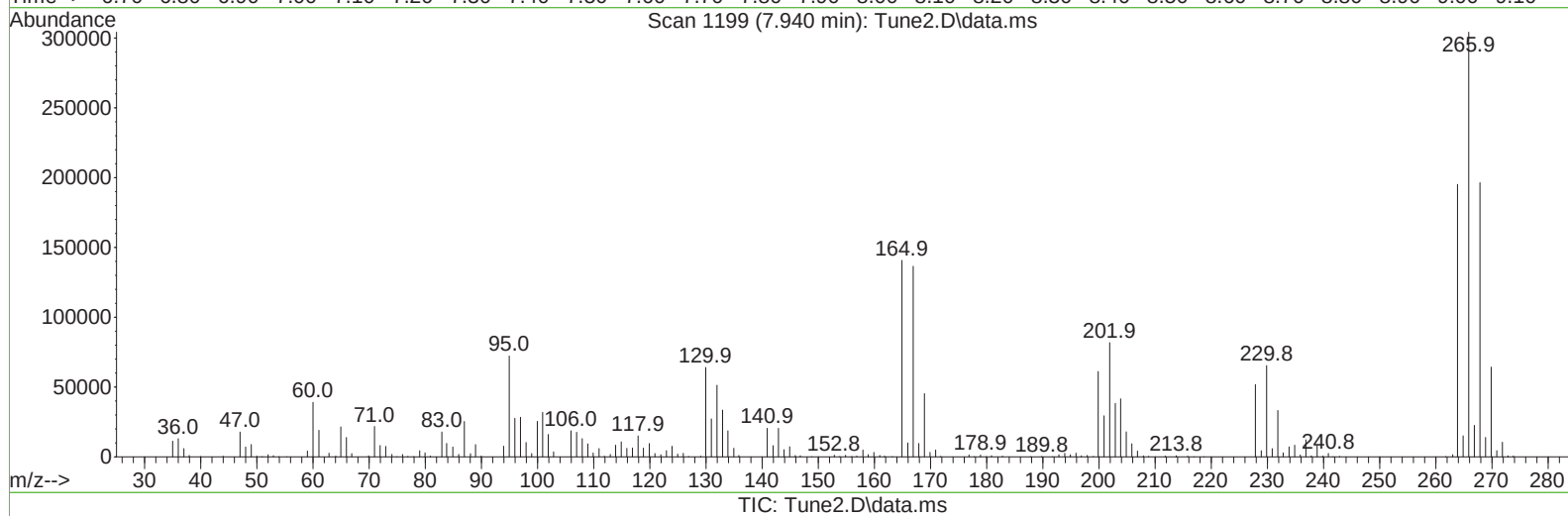
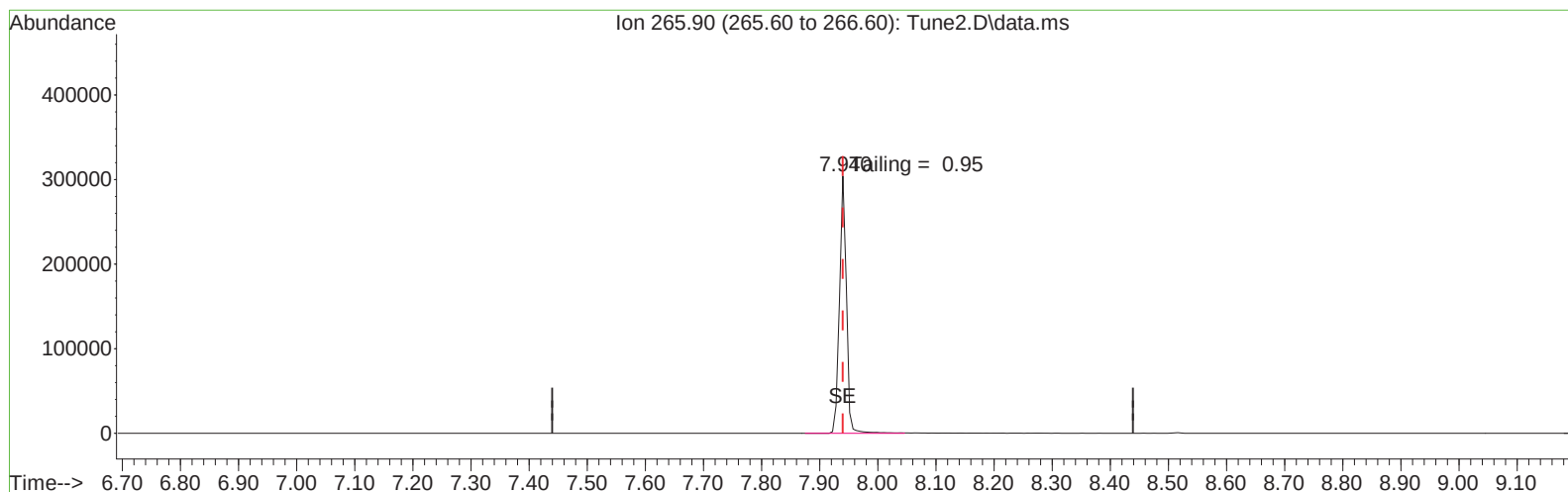
response 704984

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	71.30	66.98
165.10	47.10	51.25
199.10	16.40	16.80

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : Tune2.D
 Acq On : 18 Aug 2025 01:57 am
 Operator : SV112:slr
 Sample : Tune Lot#11857
 Misc : WG2104073,,ical
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:27:31 2025
 Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 p
 Response via : Initial Calibration



(1) Pentachlorophenol (T)

7.940min (-0.000) 0.00

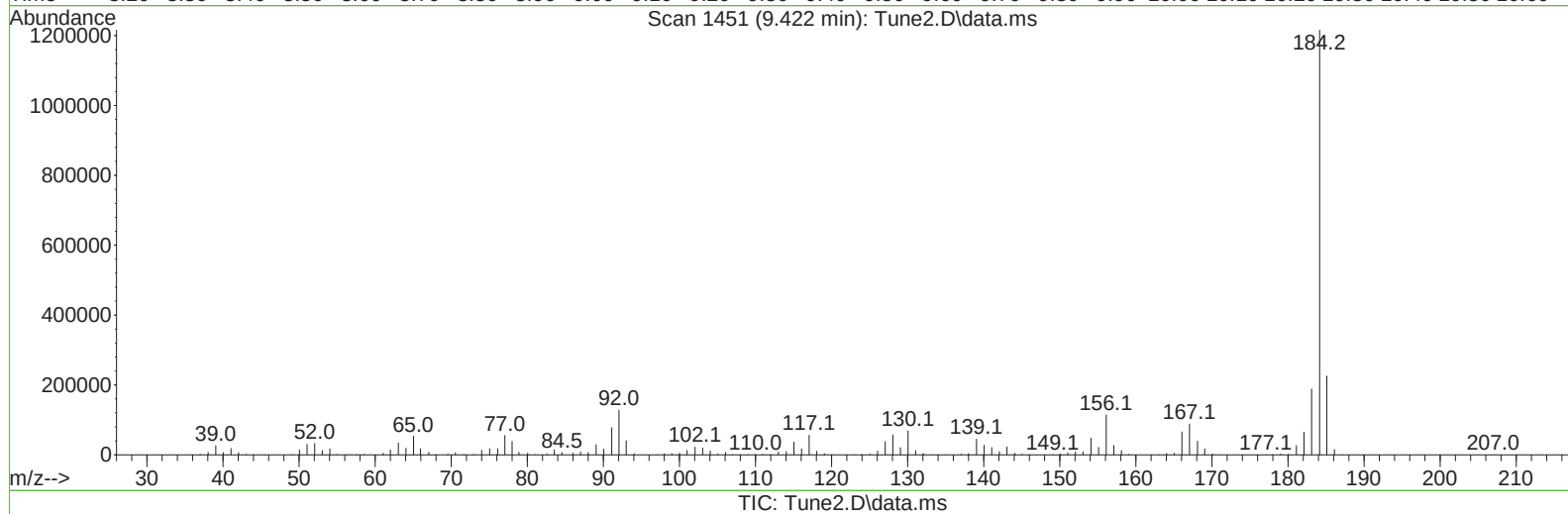
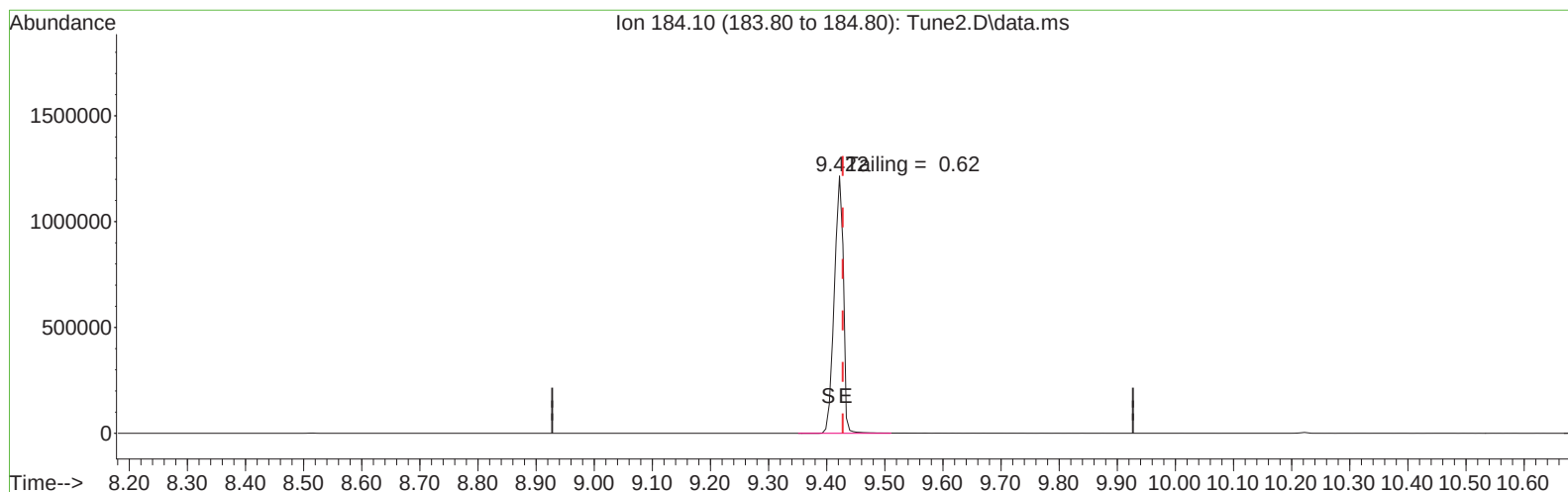
response 253202

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : Tune2.D
 Acq On : 18 Aug 2025 01:57 am
 Operator : SV112:slr
 Sample : Tune Lot#11857
 Misc : WG2104073,,ical
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 18 06:27:31 2025
 Quant Method : I:\8270\SV112\250817RVTical\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 p
 Response via : Initial Calibration



TIC: Tune2.D\data.ms

(3) Benzidine (T)

9.422min (-0.006) 0.00

response 1327918

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL9.D
 Acq On : 18 Aug 2025 02:20 am
 Operator : SV112:slr
 Sample : IL2,32,,ADPL50 Lot# 11845
 Misc : WG2104073,,ical
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 18 06:31:54 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.758	152	20361	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	115.62%	
86) IS3_Acenaphthene-d10	6.687	164	54829	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	116.86%	
100) IS3_Phenanthrene-d10	8.081	188	122116	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	110.91%	

System Monitoring Compounds

Target Compounds					Qvalue
33) 1,4-Dioxane	0.964	88	122303	No Calib	#
34) n-Decane	3.687	57	399032	No Calib	
87) Atrazine	7.940	200	343408	No Calib	
101) n-Octadecane	8.146	57	736406	No Calib	
102) Parathion	8.910	109	209483	No Calib	#
103) 3,3'-Dimethylbenzidine	10.128	212	1274376	No Calib	

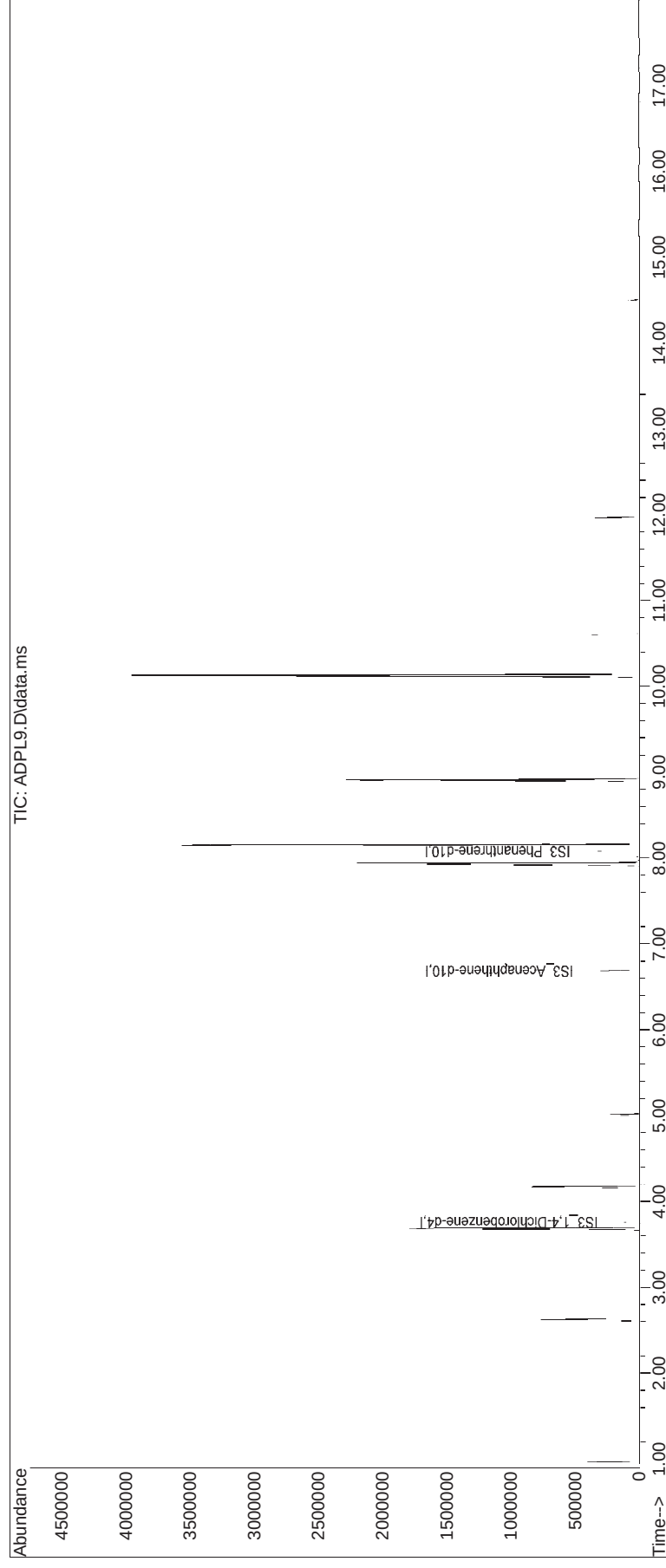
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL9.D
 Acq On : 18 Aug 2025 02:20 am
 Operator : SV112:slr
 Sample : IL2,32,,ADPL50 Lot# 11845
 Misc : WG2104073,,ical
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 18 06:31:54 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL9.D Operator : SV112:slr
Date Inj'd : 8/18/2025 2:20 am Instrument : SV112
Sample : IL2,32,,ADPL50 Lot# 11845 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL8.D
 Acq On : 18 Aug 2025 02:42 am
 Operator : SV112:slr
 Sample : IL3,32,,ADPL25 Lot# 11846
 Misc : WG2104073,,ical
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 18 06:31:37 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	21428	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	121.67%	
86) IS3_Acenaphthene-d10	6.687	164	57425	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	122.39%	
100) IS3_Phenanthrene-d10	8.081	188	124552	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	113.12%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	0.964	88	63440	No Calib	#	
34) n-Decane	3.687	57	206352	No Calib		
87) Atrazine	7.928	200	169706	No Calib		
101) n-Octadecane	8.146	57	388588	No Calib		
102) Parathion	8.904	109	95650	No Calib	#	
103) 3,3'-Dimethylbenzidine	10.122	212	659422	No Calib		

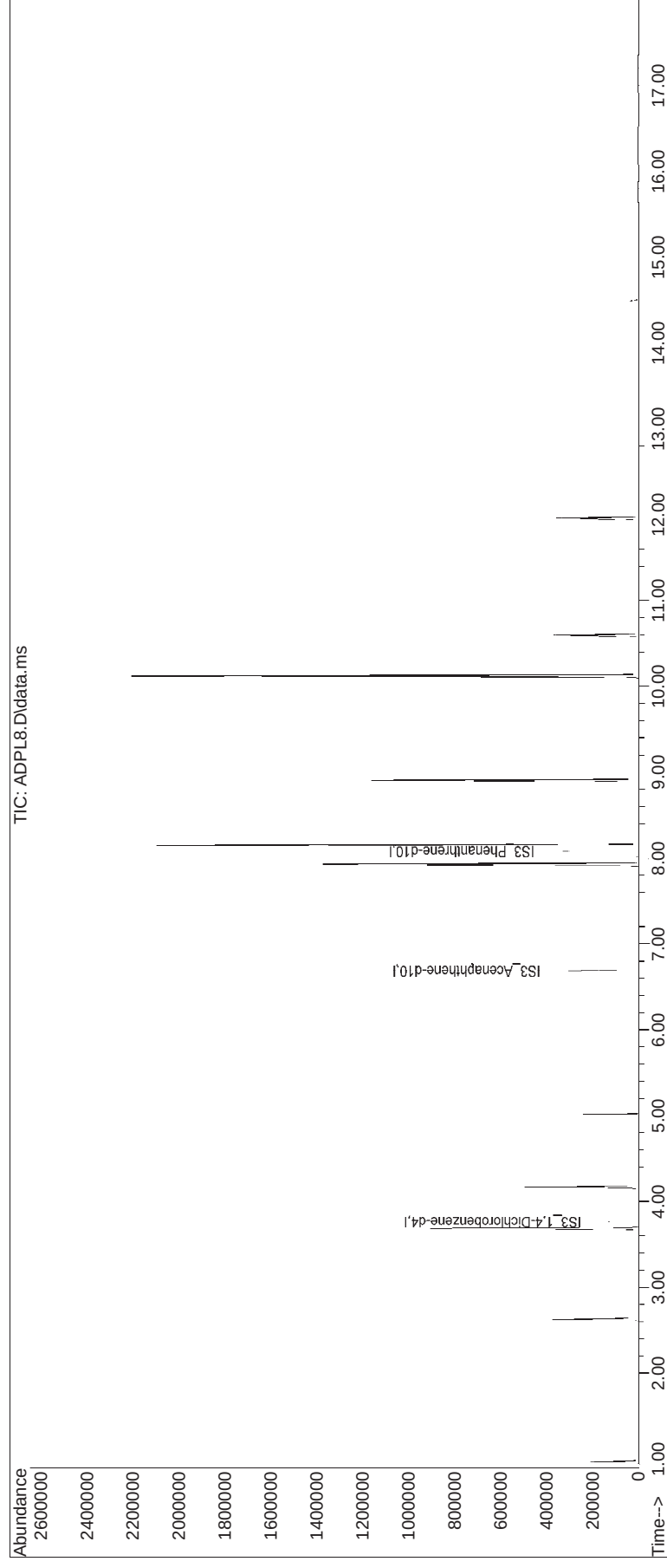
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL8.D
 Acq On : 18 Aug 2025 02:42 am
 Operator : SV112:slr
 Sample : IL3,32,,ADPL25 Lot# 11846
 Misc : WG2104073,,ical
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 18 06:31:37 2025
 Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL8.D Operator : SV112:slr
Date Inj'd : 8/18/2025 2:42 am Instrument : SV112
Sample : IL3,32,,ADPL25 Lot# 11846 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL7.D
 Acq On : 18 Aug 2025 03:05 am
 Operator : SV112:slr
 Sample : IL4,32,,ADPL10 Lot# 11847
 Misc : WG2104073,,ical
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 18 06:31:19 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	20015	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	113.65%	
86) IS3_Acenaphthene-d10	6.687	164	52779	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	112.49%	
100) IS3_Phenanthrene-d10	8.081	188	117593	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	106.80%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Calib	Qvalue
33) 1,4-Dioxane	0.964	88	24720	No Calib #	
34) n-Decane	3.681	57	79070	No Calib	
87) Atrazine	7.922	200	61644	No Calib	
101) n-Octadecane	8.146	57	146922	No Calib	
102) Parathion	8.904	109	31859	No Calib #	
103) 3,3'-Dimethylbenzidine	10.116	212	249541	No Calib	

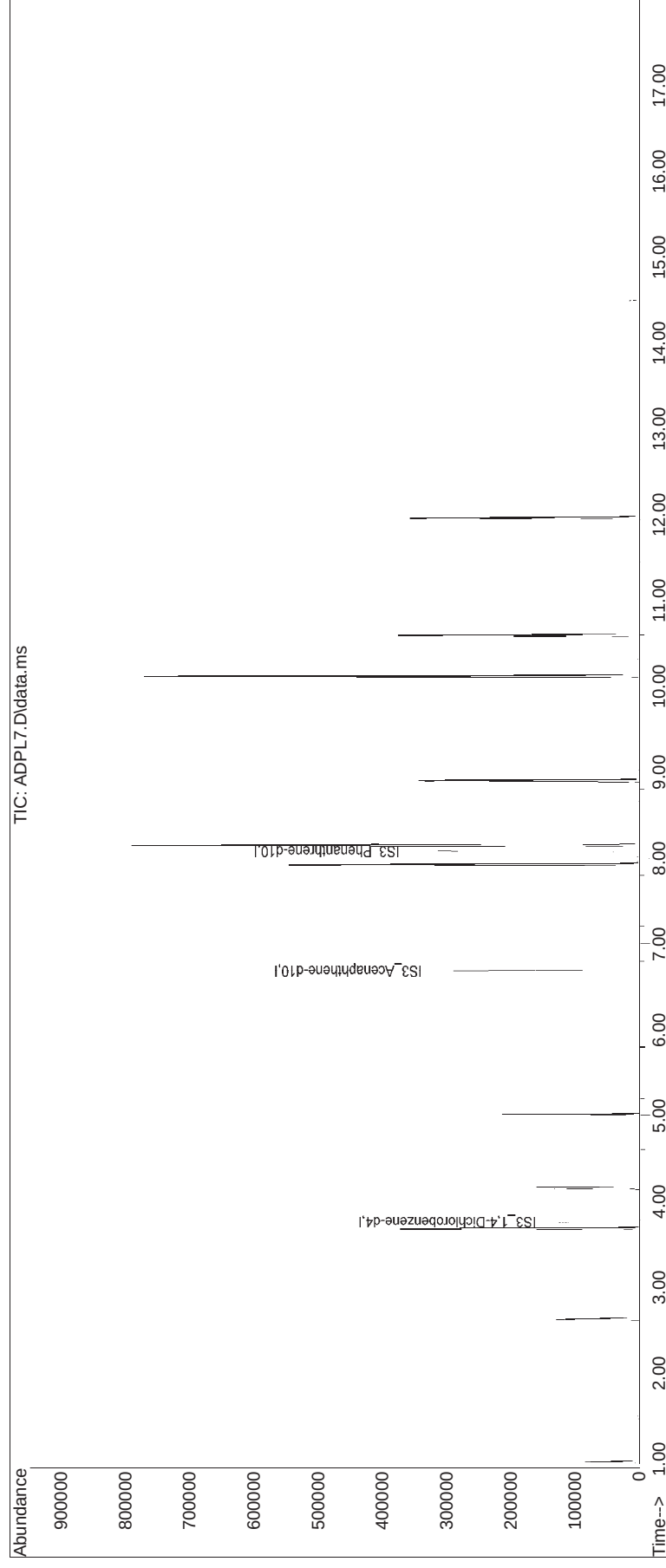
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL7.D
 Acq On : 18 Aug 2025 03:05 am
 Operator : SV112:slr
 Sample : IL4,32,,ADPL10 Lot# 11847
 Misc : WG2104073,,ical
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 18 06:31:19 2025
 Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL7.D Operator : SV112:slr
Date Inj'd : 8/18/2025 3:05 am Instrument : SV112
Sample : IL4,32,,ADPL10 Lot# 11847 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL6.D
 Acq On : 18 Aug 2025 03:27 am
 Operator : SV112:slr
 Sample : IL5,32,,ADPL5 Lot# 11848
 Misc : WG2104073,,ical
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 18 06:31:00 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	17611	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	100.00%	
86) IS3_Acenaphthene-d10	6.687	164	46920	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	100.00%	
100) IS3_Phenanthrene-d10	8.081	188	110103	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Calib	Qvalue
33) 1,4-Dioxane	0.964	88	11106	No Calib #	
34) n-Decane	3.681	57	35075	No Calib	
87) Atrazine	7.922	200	27659	No Calib	
101) n-Octadecane	8.146	57	67575	No Calib	
102) Parathion	8.899	109	13629	No Calib #	
103) 3,3'-Dimethylbenzidine	10.116	212	105688	No Calib	

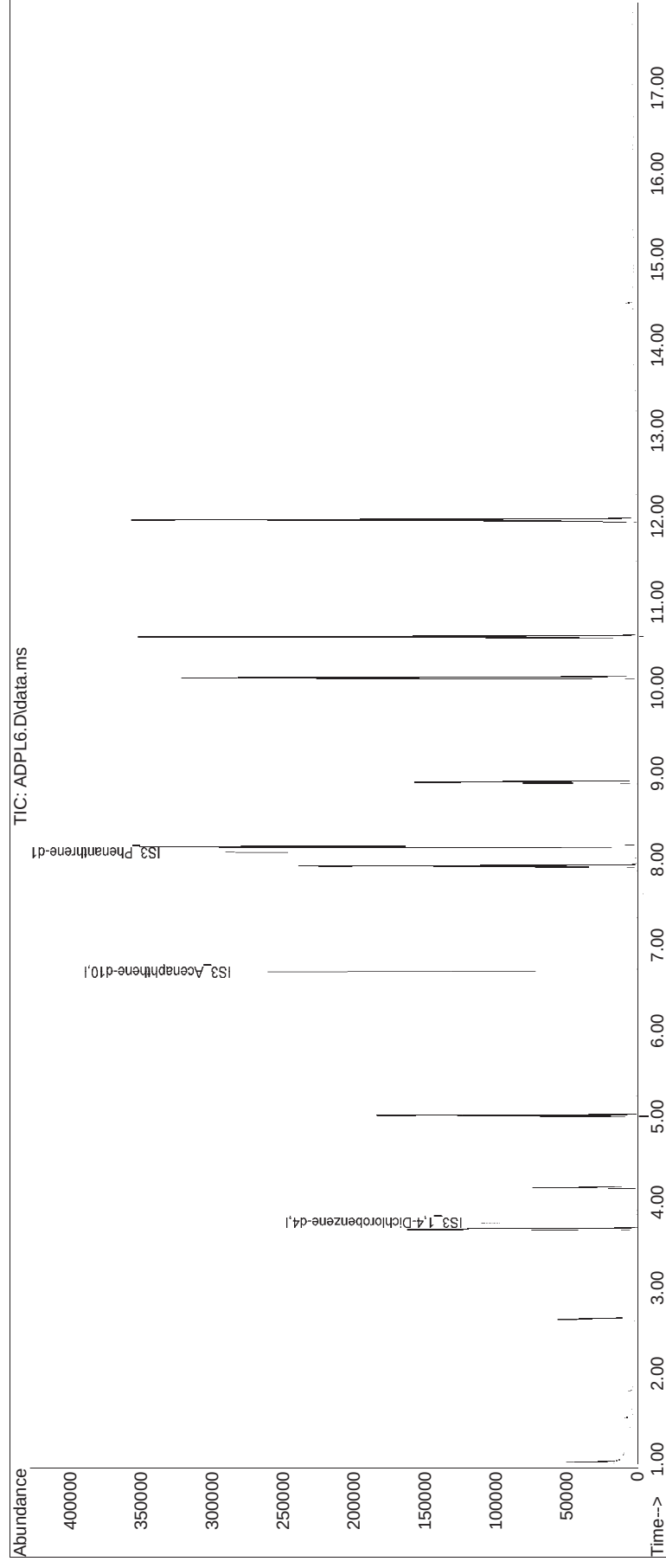
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL6.D
 Acq On : 18 Aug 2025 03:27 am
 Operator : SV112:slr
 Sample : IL5,32,,ADPL5 Lot# 11848
 Misc : WG2104073,,ical
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 18 06:31:00 2025
 Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL6.D Operator : SV112:slr
Date Inj'd : 8/18/2025 3:27 am Instrument : SV112
Sample : IL5,32,,ADPL5 Lot# 11848 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL5.D
 Acq On : 18 Aug 2025 03:50 am
 Operator : SV112:slr
 Sample : IL6,32,,ADPL2.5 Lot# 11849
 Misc : WG2104073,,ical
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 18 06:30:41 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.764	152	20454	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	116.14%	
86) IS3_Acenaphthene-d10	6.687	164	51962	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	110.75%	
100) IS3_Phenanthrene-d10	8.081	188	119979	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	108.97%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Calib	Qvalue
33) 1,4-Dioxane	0.964	88	5947	No Calib	#
34) n-Decane	3.681	57	19749	No Calib	#
87) Atrazine	7.922	200	13327	No Calib	
101) n-Octadecane	8.146	57	34052	No Calib	
102) Parathion	8.899	109	6565	No Calib	#
103) 3,3'-Dimethylbenzidine	10.116	212	43623	No Calib	

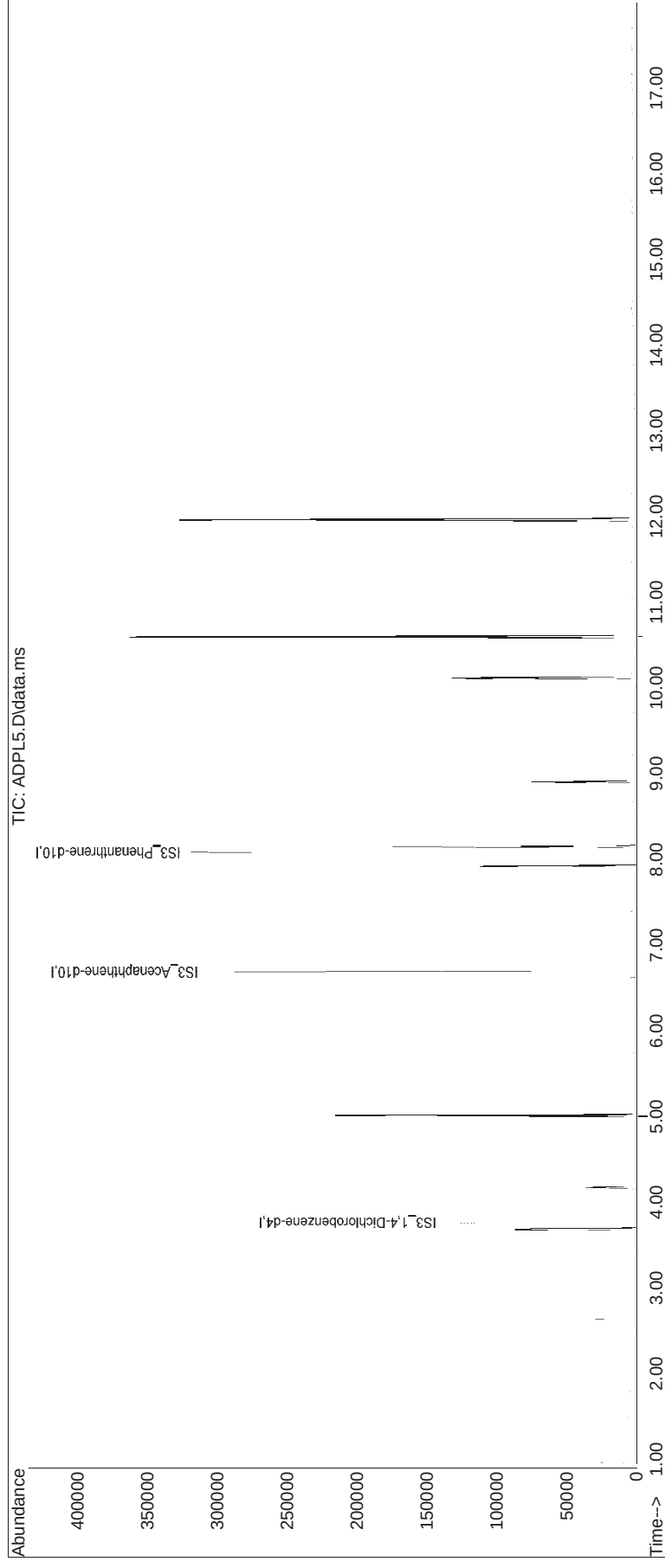
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL5.D
 Acq On : 18 Aug 2025 03:50 am
 Operator : SV112:slr
 Sample : IL6,32,,ADPL2.5 Lot# 11849
 Misc : WG2104073,,ical
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 18 06:30:41 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL5.D Operator : SV112:slr
Date Inj'd : 8/18/2025 3:50 am Instrument : SV112
Sample : IL6,32,,ADPL2.5 Lot# 11849 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL4.D
 Acq On : 18 Aug 2025 04:12 am
 Operator : SV112:slr
 Sample : IL7,32,,ADPL1 Lot# 11850
 Misc : WG2104073,,ical
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 18 06:30:24 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	20396	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	115.81%	
86) IS3_Acenaphthene-d10	6.687	164	54203	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	115.52%	
100) IS3_Phenanthrene-d10	8.081	188	122484	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	111.24%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Calib	Qvalue
33) 1,4-Dioxane	0.969	88	2563	No Calib	#
34) n-Decane	3.681	57	7822	No Calib	#
87) Atrazine	7.916	200	5518	No Calib	
101) n-Octadecane	8.146	57	13828	No Calib	
102) Parathion	8.898	109	2761	No Calib	#
103) 3,3'-Dimethylbenzidine	10.116	212	16562	No Calib	

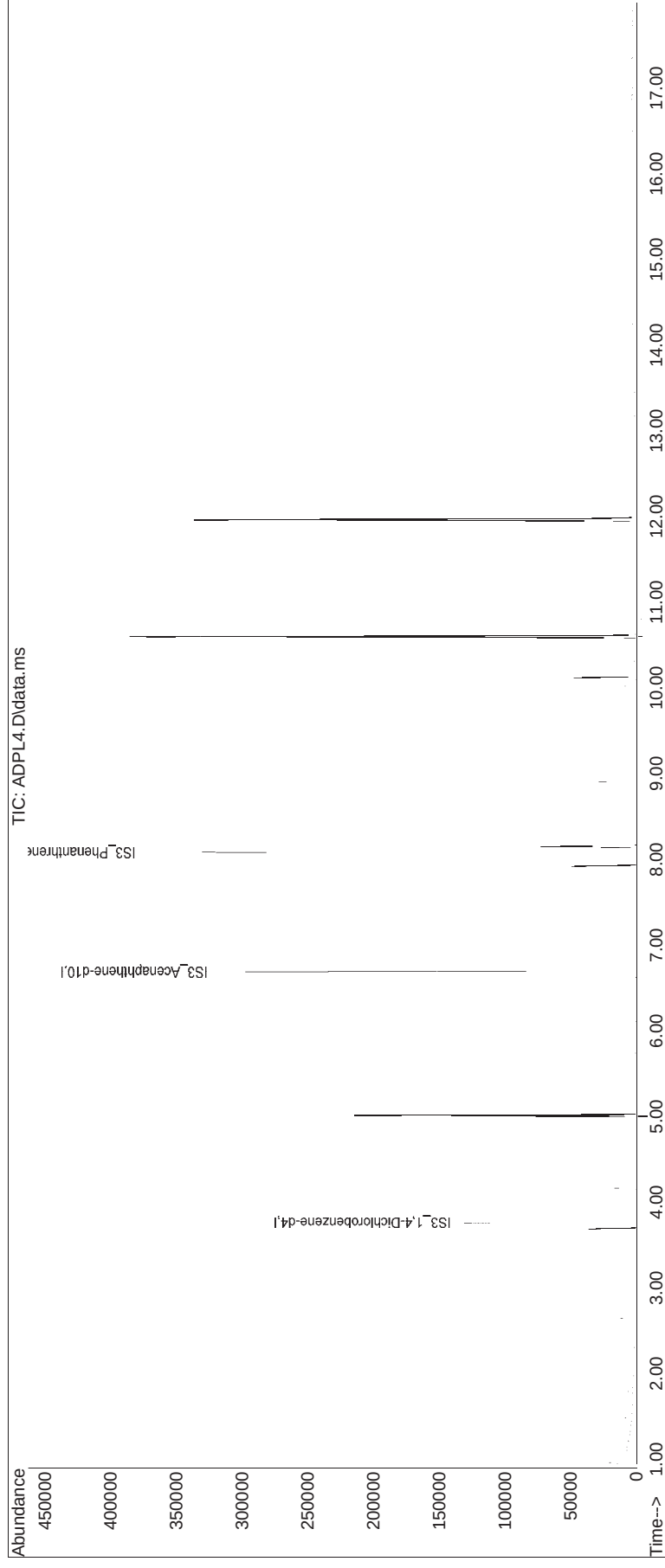
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL4.D
 Acq On : 18 Aug 2025 04:12 am
 Operator : SV112:slr
 Sample : IL7,32,,ADPL1 Lot# 11850
 Misc : WG2104073,,ical
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 18 06:30:24 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 05:13:00 2025
 Response via : Initial Calibration

Sub List : ~~ADPita\8270\SV112\250817RVTical\AP9L6.D~~



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL4.D Operator : SV112:slr
Date Inj'd : 8/18/2025 4:12 am Instrument : SV112
Sample : IL7,32,,ADPL1 Lot# 11850 Quant Date : 8/18/2025 5:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL3.D
 Acq On : 18 Aug 2025 04:35 am
 Operator : SV112:slr
 Sample : IL8,32,,ADPL0.5 Lot# 11851
 Misc : WG2104073,,ical
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 18 06:30:07 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:30:47 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.764	152	21164	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	120.17%	
86) IS3_Acenaphthene-d10	6.687	164	52983	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	112.92%	
100) IS3_Phenanthrene-d10	8.081	188	122202	4.000	ug/ml	# 0.00
Standard Area 2 = 110103			Recovery	=	110.99%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	0.970	88	1829	0.531	ug/ml	94
34) n-Decane	3.687	57	4768	0.554	ug/ml#	85
87) Atrazine	7.916	200	3192	0.505	ug/ml	98
101) n-Octadecane	8.146	57	8402	0.530	ug/ml	93
102) Parathion	8.899	109	1567	0.489	ug/ml#	82
103) 3,3'-Dimethylbenzidine	10.116	212	6836	1.488	ug/ml	99

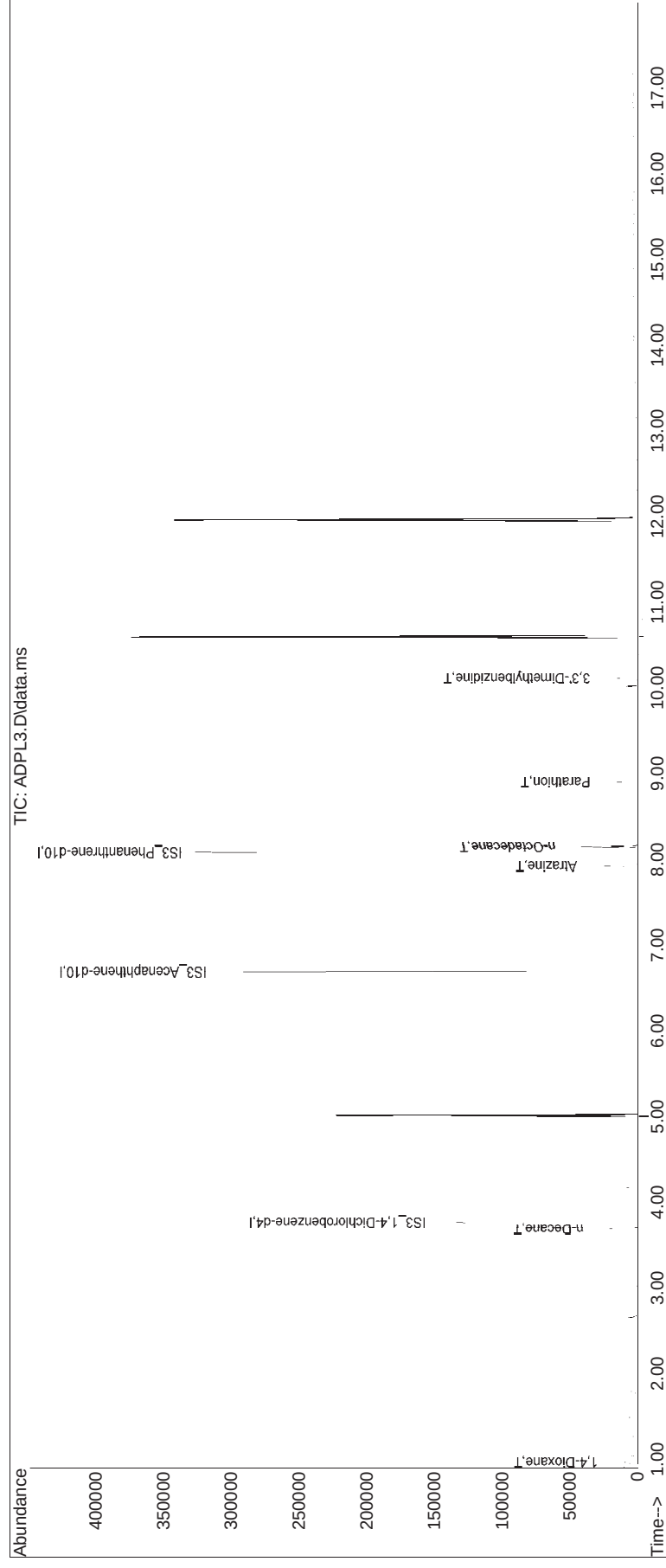
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL3.D
Acq On : 18 Aug 2025 04:35 am
Operator : SV112:slr
Sample : IL8,32,,ADPL0.5 Lot# 11851
Misc : WG2104073,,ical
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 18 06:30:07 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Mon Aug 18 06:30:47 2025
Response via : Initial Calibration

Sub List : ADPita\8270\SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL3.D Operator : SV112:slr
Date Inj'd : 8/18/2025 4:35 am Instrument : SV112
Sample : IL8,32,,ADPL0.5 Lot# 11851 Quant Date : 8/18/2025 6:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL2.D
 Acq On : 18 Aug 2025 04:57 am
 Operator : SV112:slr
 Sample : IL9,32,,ADPL0.2 Lot# 11852
 Misc : WG2104073,,ical
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 18 06:29:44 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:30:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.758	152	18403	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery =	104.50%		
86) IS3_Acenaphthene-d10	6.687	164	46659	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery =	99.44%		
100) IS3_Phenanthrene-d10	8.081	188	109824	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery =	99.75%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	0.970	88	588M2	0.193	ug/ml	
34) n-Decane	3.681	57	1346	0.163	ug/ml#	79
87) Atrazine	7.916	200	1019	0.169	ug/ml#	37
101) n-Octadecane	8.146	57	2633	0.172	ug/ml	97
102) Parathion	8.899	109	517	0.163	ug/ml#	85
103) 3,3'-Dimethylbenzidine	10.116	212	826	No Calib	#	

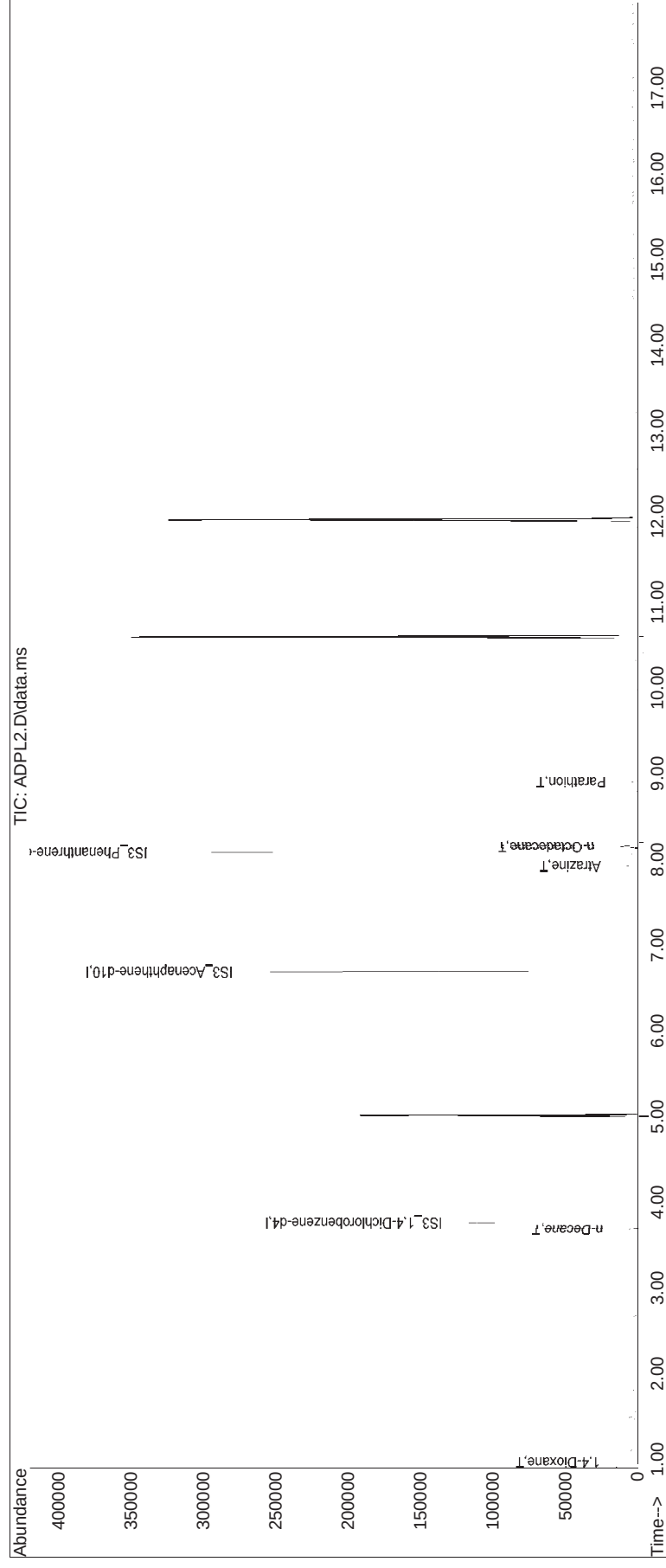
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL2.D
Acq On : 18 Aug 2025 04:57 am
Operator : SV112:slr
Sample : IL9,32,,ADPL0.2 Lot# 11852
Misc : WG2104073,,ical
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 18 06:29:44 2025
Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Mon Aug 18 06:30:19 2025
Response via : Initial Calibration

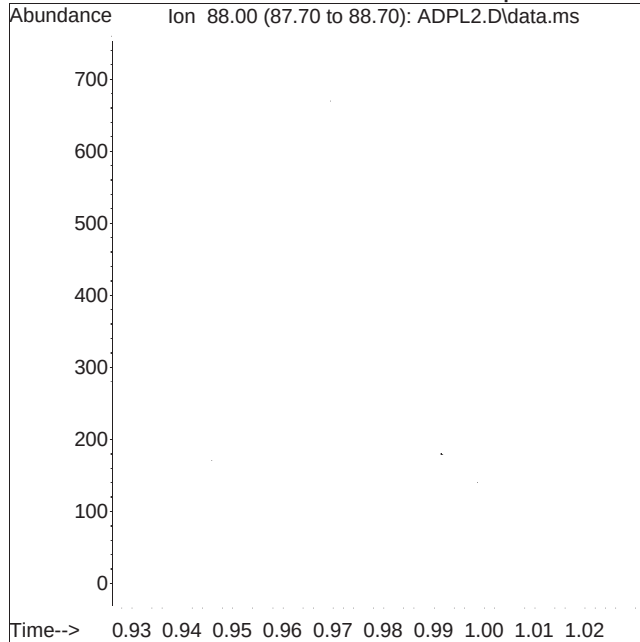
Sub List : ADPita\8270\SV112\250817RVTical\AP9L6.D•



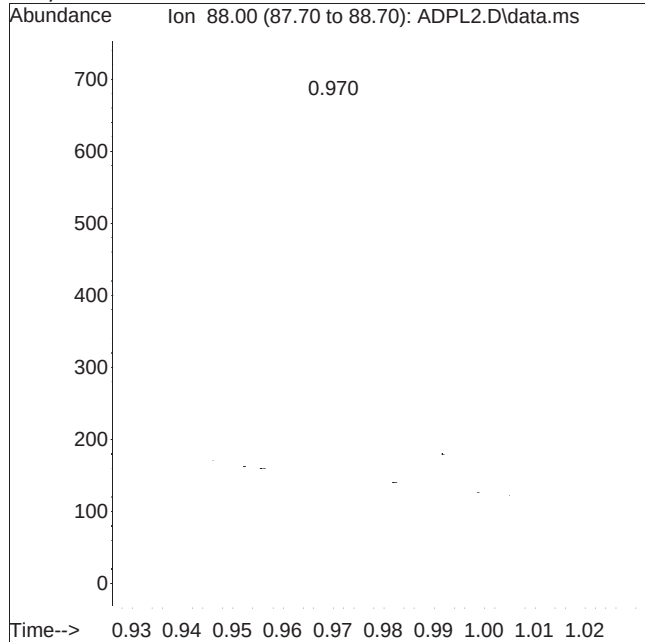
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ADPL2.D Operator : SV112:slr
Date Inj'd : 8/18/2025 4:57 am Instrument : SV112
Sample : IL9,32,,ADPL0.2 Lot# 11852 Quant Date : 8/18/2025 6:30 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



Manual Peak Response = 588 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL1.D
 Acq On : 18 Aug 2025 05:20 am
 Operator : SV112:slr
 Sample : IL10,32,,ADPL0.1 Lot# 11867
 Misc : WG2104073,,ical
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 18 06:29:15 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:28:07 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.763	152	16573	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery =	94.11%		
86) IS3_Acenaphthene-d10	6.687	164	41647	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery =	88.76%		
100) IS3_Phenanthrene-d10	8.081	188	98983	4.000	ug/ml	# 0.00
Standard Area 2 = 110103			Recovery =	89.90%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Calib	Qvalue
33) 1,4-Dioxane	0.964	88	275	No Calib	
34) n-Decane	3.681	57	742	No Calib	#
87) Atrazine	7.922	200	538	No Calib	#
101) n-Octadecane	8.146	57	1380	No Calib	
102) Parathion	8.899	109	286	No Calib	
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.	d

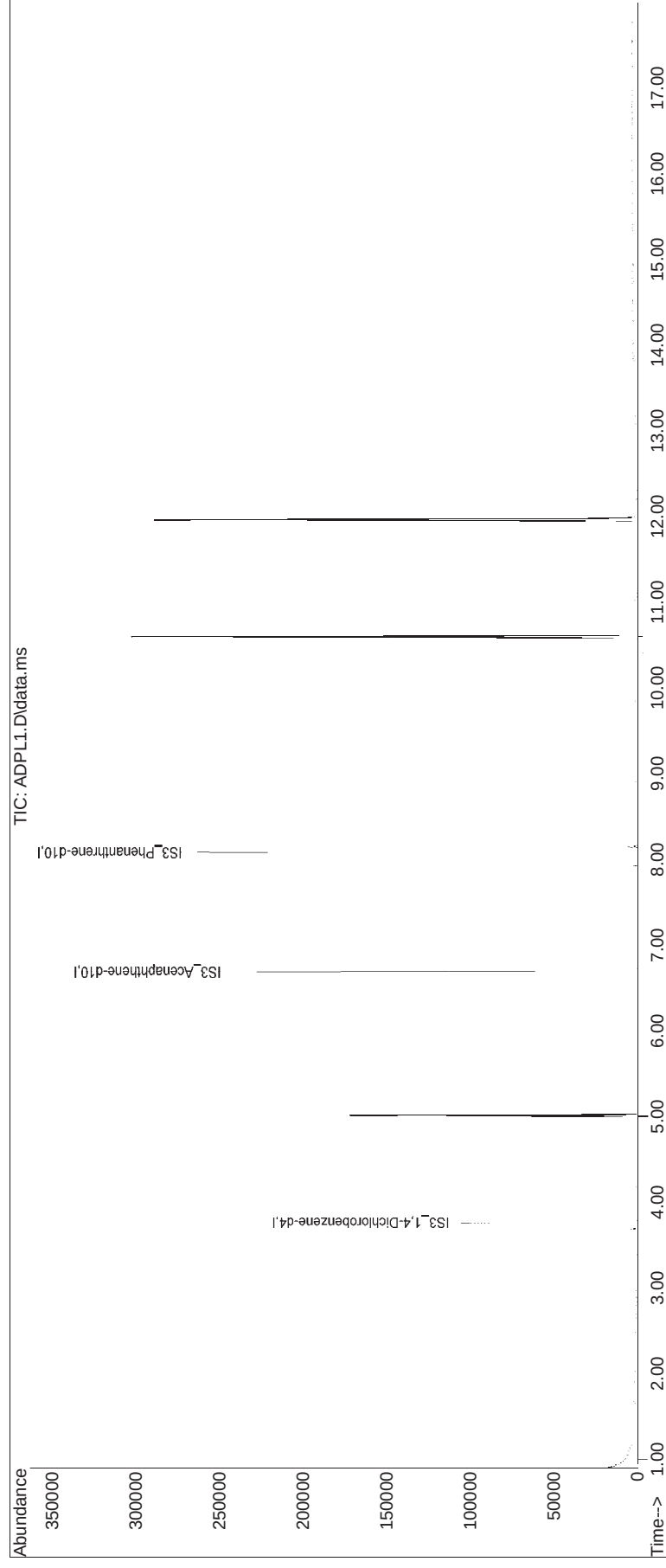
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPL1.D
 Acq On : 18 Aug 2025 05:20 am
 Operator : SV112:slr
 Sample : IL10,32,,ADPL0.1 Lot# 11867
 Misc : WG2104073,,ical
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 18 06:29:15 2025
 Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 06:28:07 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV112\250817RVTical\AP9L6.D•

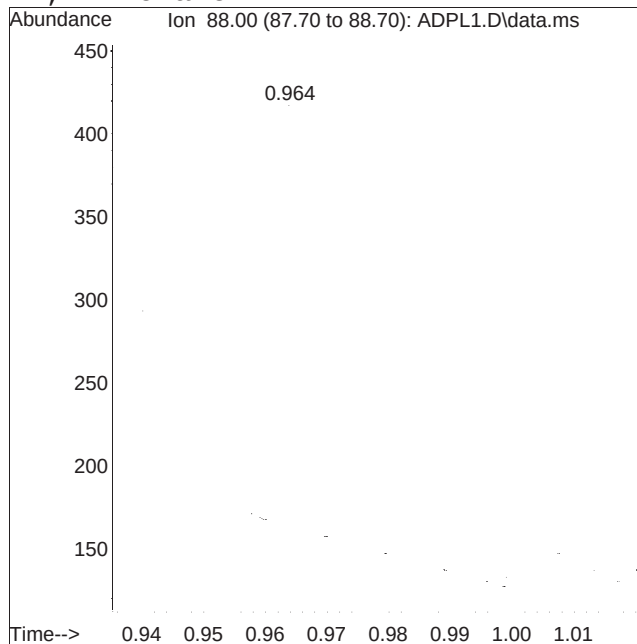
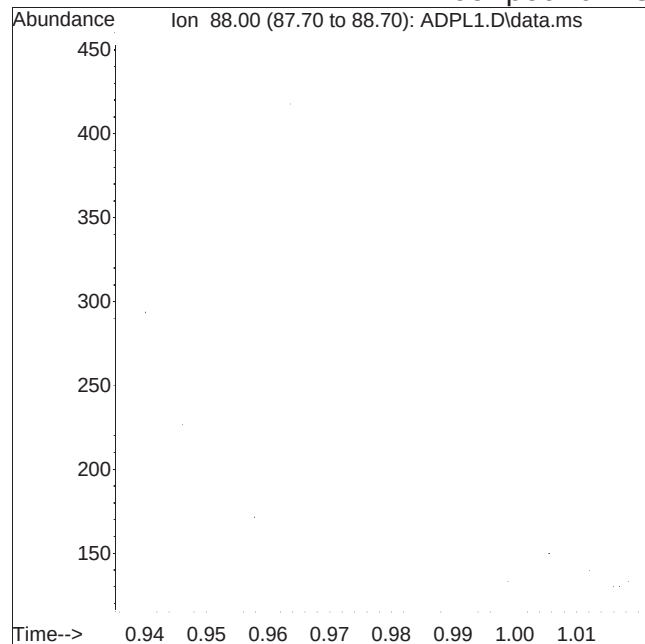


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ADPL1.D
Date Inj'd : 8/18/2025 5:20 am
Sample : IL10, 32,, ADPL0.1 Lot# 1186

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #33: 1,4-Dioxane



Original Peak Response = 0

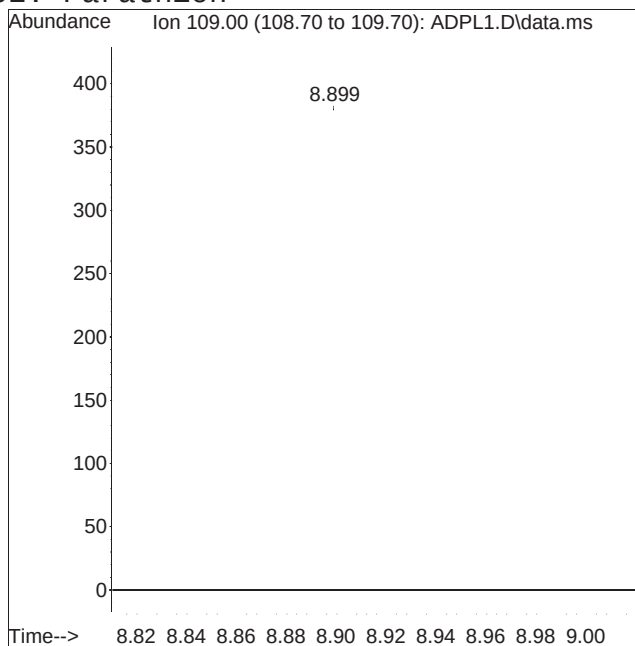
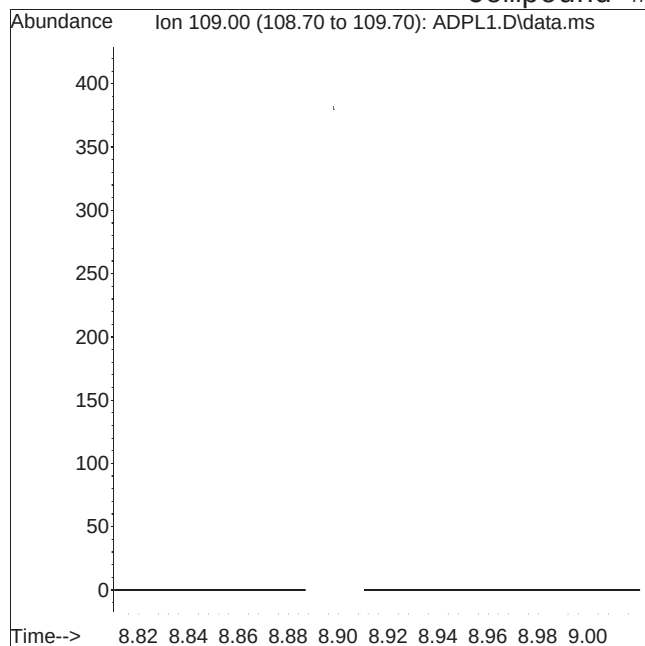
Manual Peak Response = 275 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ADPL1.D
Date Inj'd : 8/18/2025 5:20 am
Sample : IL10,32,,ADPL0.1 Lot# 1186
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #102: Parathion



Original Peak Response = 0

Manual Peak Response = 286 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPICV.D
 Acq On : 18 Aug 2025 05:42 am
 Operator : SV112:slr
 Sample : CQICV,32,,ADPICV Lot# 11856
 Misc : WG2104073,,ical
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 18 06:51:33 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
33 T	1,4-Dioxane	0.546	0.485	11.2	99	0.00
34 T	n-Decane	1.602	1.424	11.1	92	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	103	0.00
87 T	Atrazine	0.463	0.435	6.0	95	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	104	0.00
101 T	n-Octadecane	0.496	0.443	10.7	94	0.00
102 T	Parathion	0.106	0.087	17.9	91	0.00
103 T	3,3'-Dimethylbenzidine	0.737	0.688	6.6	93	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPICV.D
 Acq On : 18 Aug 2025 05:42 am
 Operator : SV112:slr
 Sample : CQICV,32,,ADPICV Lot# 11856
 Misc : WG2104073,,ical
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 18 06:51:33 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.758	152	18055	4.000	ug/ml	0.00
Standard Area 2 = 17611			Recovery	=	102.52%	
86) IS3_Acenaphthene-d10	6.687	164	48116	4.000	ug/ml	0.00
Standard Area 2 = 46920			Recovery	=	102.55%	
100) IS3_Phenanthrene-d10	8.081	188	114261	4.000	ug/ml	0.00
Standard Area 2 = 110103			Recovery	=	103.78%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	0.964	88	10957	4.445	ug/ml#	79
34) n-Decane	3.681	57	32142	4.445	ug/ml	90
87) Atrazine	7.922	200	26187	4.703	ug/ml	99
101) n-Octadecane	8.146	57	63239	4.462	ug/ml	94
102) Parathion	8.899	109	12453	4.098	ug/ml#	88
103) 3,3'-Dimethylbenzidine	10.116	212	98266	4.668	ug/ml	99

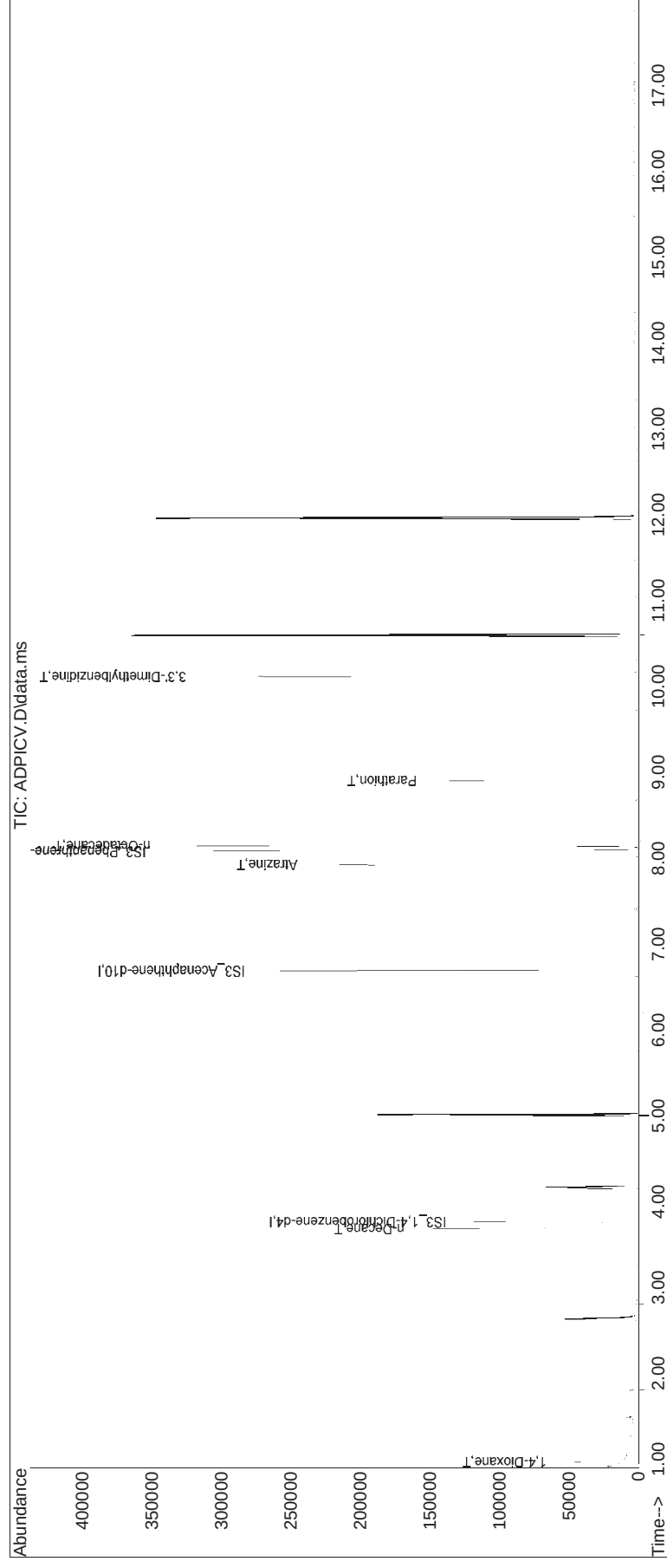
(#) = qualifier out of range (m) = manual integration (+) = signals summed

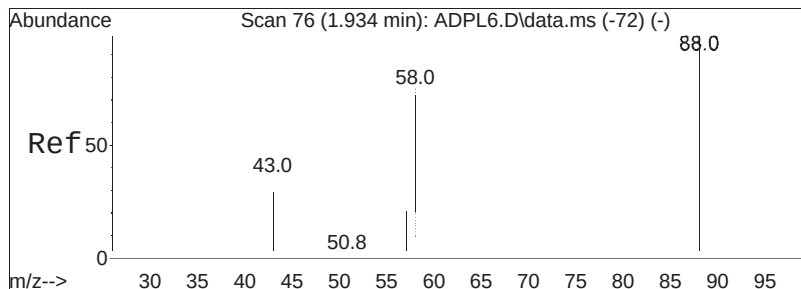
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ADPICV.D
 Acq On : 18 Aug 2025 05:42 am
 Operator : SV112:slr
 Sample : CQICV,32,,ADPICV Lot# 11856
 Misc : WG2104073,,ical
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 18 06:51:33 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Mon Aug 18 06:51:40 2025
 Response via : Initial Calibration

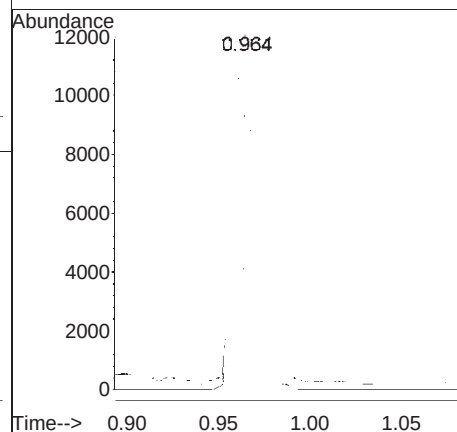
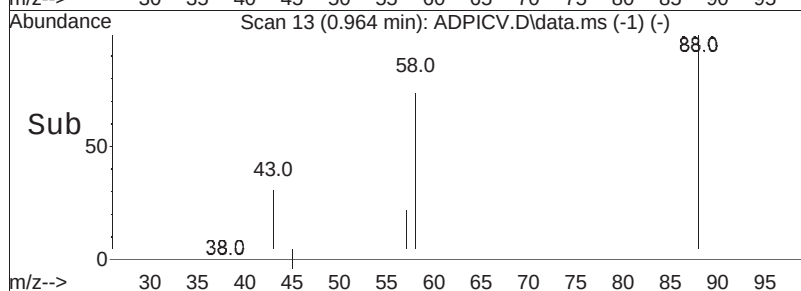
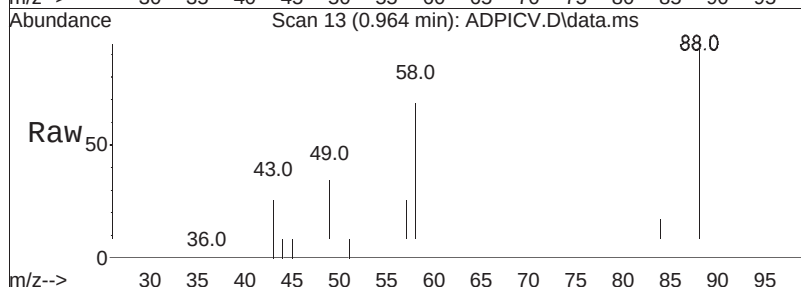
Sub List : ADPICV\8270\SV112\250817RVTical\AP9L6.D•

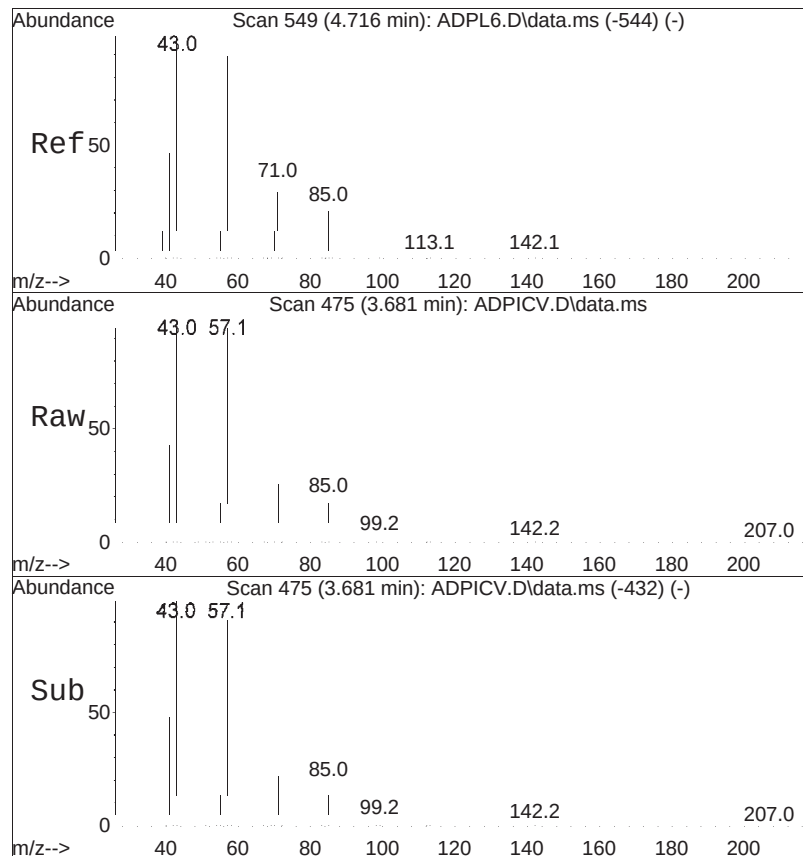




#33
 1,4-Dioxane
 Concen: 4.45 ug/ml
 RT: 0.964 min Scan# 13
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 18 Aug 2025 05:42 am

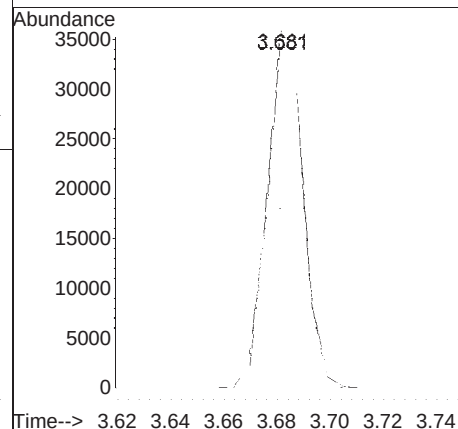
Tgt Ion: 88 Resp: 10957
 Ion Ratio Lower Upper
 88 100
 58 75.5 44.8 67.2#
 43 33.3 22.4 33.6

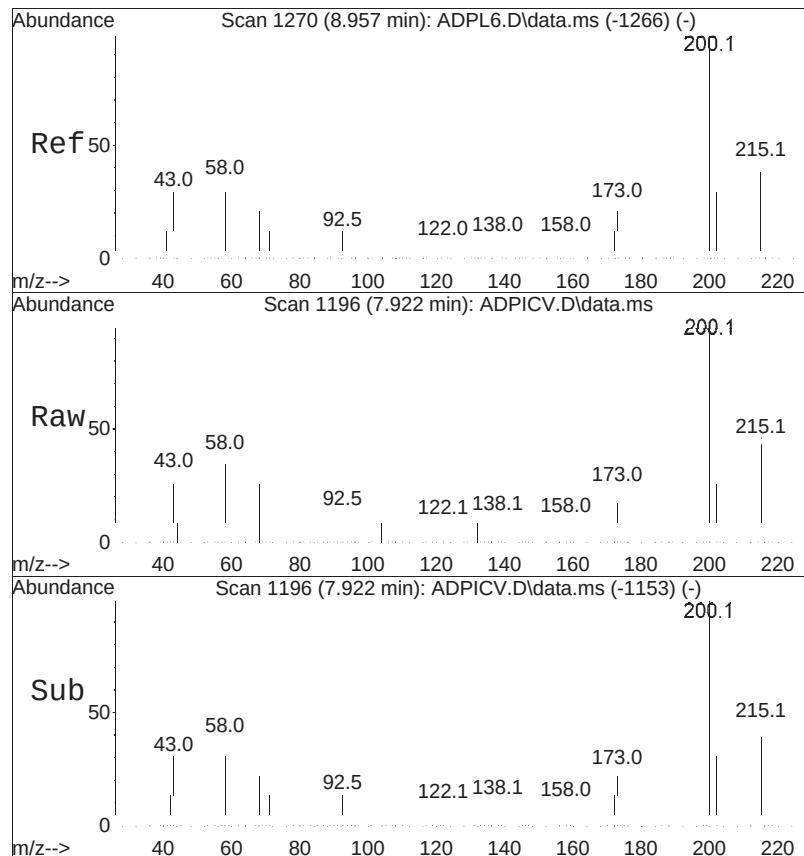




#34
 n-Decane
 Concen: 4.45 ug/ml
 RT: 3.681 min Scan# 475
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 18 Aug 2025 05:42 am

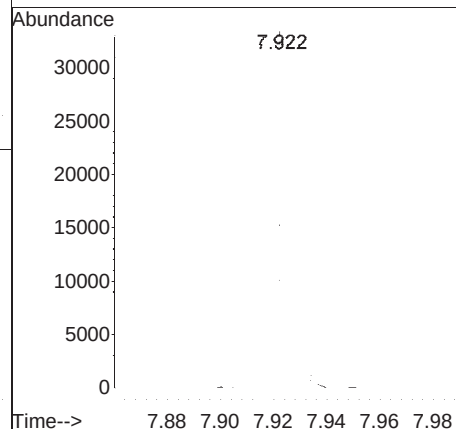
Tgt Ion:	57	Resp:	32142
Ion Ratio	Lower	Upper	
57	100		
43	103.1	75.4	113.2
41	50.8	35.0	52.6

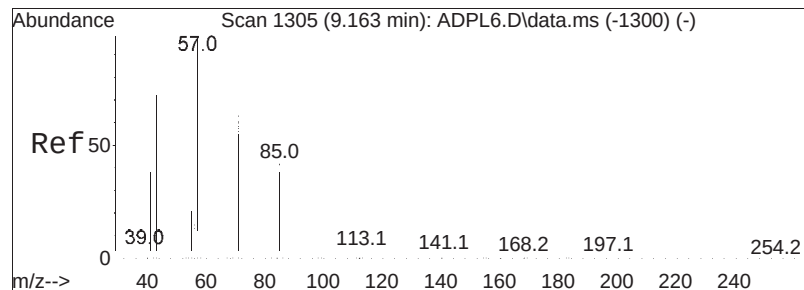




#87
 Atrazine
 Concen: 4.70 ug/ml
 RT: 7.922 min Scan# 1196
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 18 Aug 2025 05:42 am

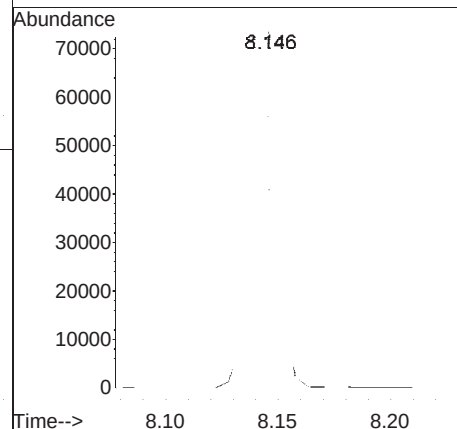
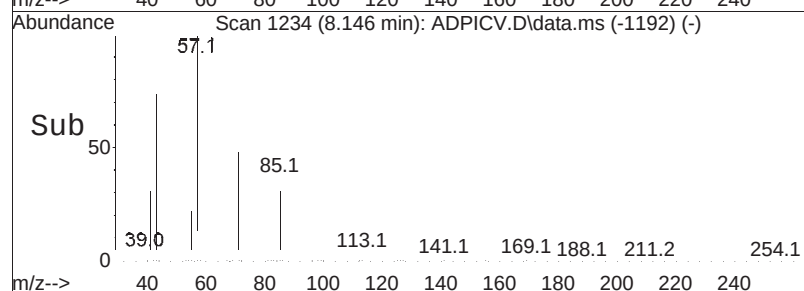
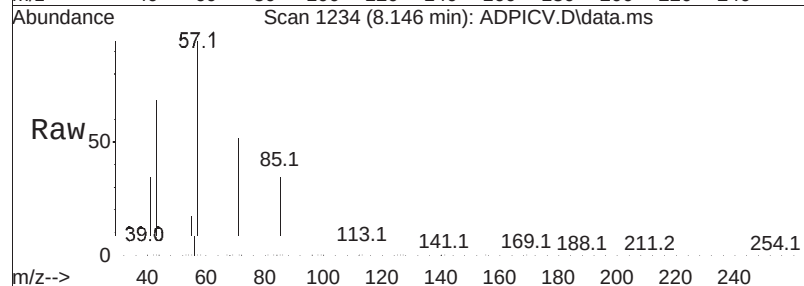
Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
202	30.8	25.0	37.6
215	44.2	34.5	51.7

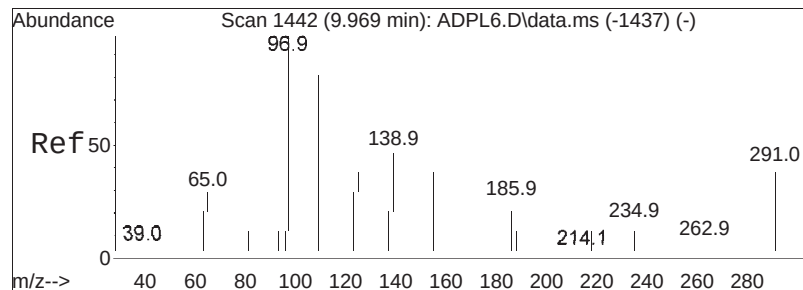




#101
n-Octadecane
Concen: 4.46 ug/ml
RT: 8.146 min Scan# 1234
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 18 Aug 2025 05:42 am

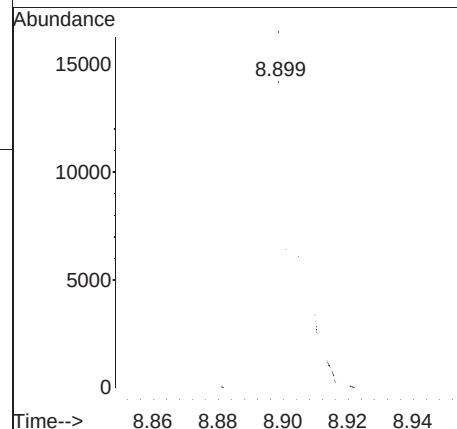
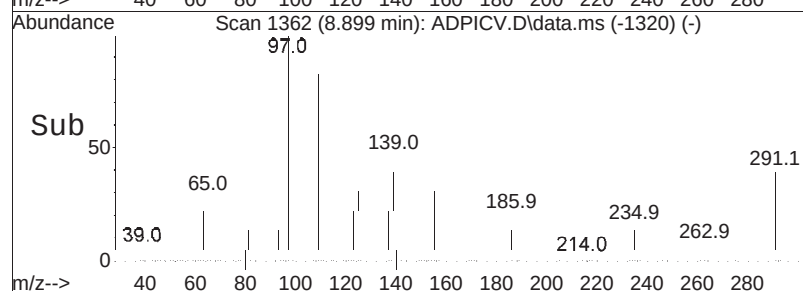
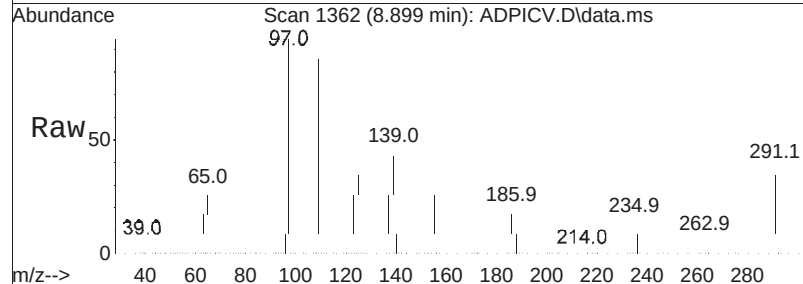
Tgt Ion:	57	Resp:	63239
Ion Ratio	Lower	Upper	
57	100		
43	75.8	54.3	81.5
71	55.4	45.1	67.7

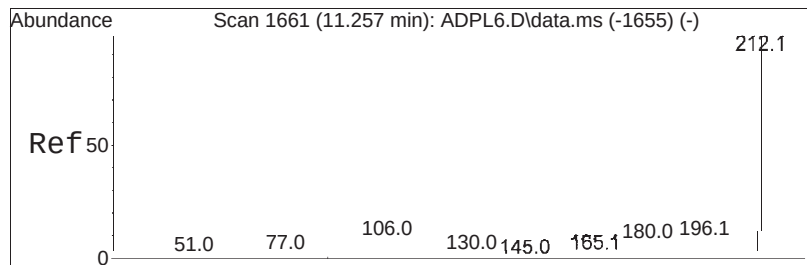




#102
 Parathion
 Concen: 4.10 ug/ml
 RT: 8.899 min Scan# 1362
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 18 Aug 2025 05:42 am

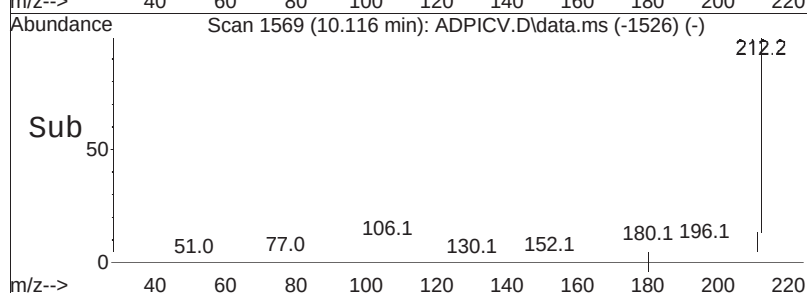
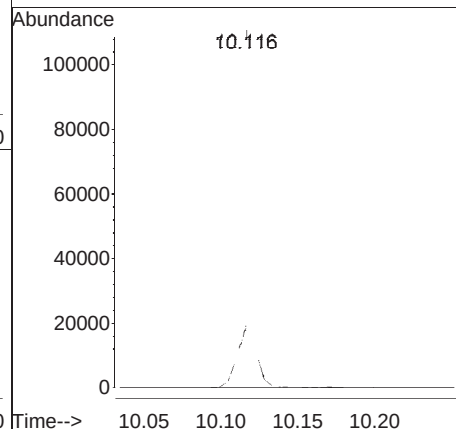
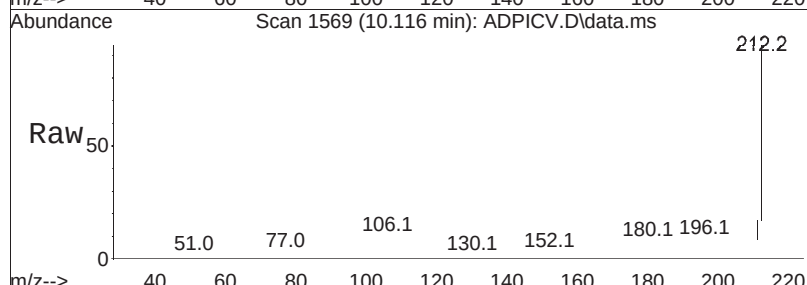
Tgt Ion	Ratio	Lower	Upper
109	100		
97	113.3	85.4	128.2
291	48.8	25.4	38.2





#103
 3,3'-Dimethylbenzidine
 Concen: 4.67 ug/ml
 RT: 10.116 min Scan# 1569
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 18 Aug 2025 05:42 am

Tgt Ion	Ratio	Lower	Upper
212	100		
211	16.7	13.3	19.9
213	16.3	13.4	20.2



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\Method : FS250817SV112RVT.m
Data File : ADPICV.D Operator : SV112:slr
Date Inj'd : 8/18/2025 5:42 am Instrument : SV112
Sample : CQICV,32,,ADPICV Lot# 1185

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL5a.D
 Acq On : 18 Aug 2025 06:05 am
 Operator : SV112:slr
 Sample : IL6,32,,ABNL2.5 Lot# 11882
 Misc : WG2104073,,ical
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:33:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.763	152	16617	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	88.80%		
35) IS1_Naphthalene-d8	5.010	136	66269	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	86.84%		
63) IS1_Acenaphthene-d10	6.687	164	44838	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	87.00%		
88) IS1_Phenanthrene-d10	8.081	188	100646	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	89.60%		
104) IS1_Chrysene-d12	10.598	240	123108	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	98.77%		
113) IS1_Perylene-d12	11.963	264	132537	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	98.16%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.393	112	10591	2.285	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	114.25%#		
7) Phenol-d6	3.487	99	13509	2.252	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	112.60%#		
19) Nitrobenzene-d5	4.322	82	12718	2.235	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	223.50%#		
46) 2-Fluorobiphenyl	6.087	172	38090	2.478	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	247.80%#		
79) 2,4,6-Tribromophenol	7.440	330	6606	2.424	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	121.20%#		
96) 4-Terphenyl-d14	9.651	244	72736	2.736	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	273.60%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.105	74	7972	2.414	ug/ml#	80
3) Pyridine	1.134	79	13323M1	2.440	ug/ml	
5) Aniline	3.440	93	20095	2.530	ug/ml	100
6) 2-Chlorophenol	3.552	128	12727	2.366	ug/ml	97
8) Phenol	3.499	94	15855	2.404	ug/ml	96
9) Bis(2-chloroethyl)ether	3.546	93	13088	2.375	ug/ml#	70
10) 1,3-Dichlorobenzene	3.699	146	15431	2.344	ug/ml	97
11) 1,4-Dichlorobenzene	3.775	146	15702	2.329	ug/ml	96
12) 1,2-Dichlorobenzene	3.922	146	15558	2.394	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL5a.D
 Acq On : 18 Aug 2025 06:05 am
 Operator : SV112:slr
 Sample : IL6,32,,ABNL2.5 Lot# 11882
 Misc : WG2104073,,ical
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:33:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	3.946	79	10436	2.303	ug/ml	93
14)	Bis(2-chloroisopropyl)...	4.105	45	21761	2.431	ug/ml#	73
15)	2-Methylphenol	4.105	108	11276	2.333	ug/ml	96
16)	Hexachloroethane	4.258	117	5855	2.349	ug/ml#	71
17)	n-Nitrosodi-n-propylamine	4.228	70	9859	2.276	ug/ml#	92
18)	3-Methylphenol/4-Methy...	4.269	108	12476	2.348	ug/ml	98
20)	Nitrobenzene	4.346	77	13053	2.207	ug/ml	96
21)	Isophorone	4.599	82	27595	2.312	ug/ml	98
22)	2-Nitrophenol	4.663	139	5514	2.103	ug/ml	97
23)	2,4-Dimethylphenol	4.775	107	14260	2.433	ug/ml	97
24)	Bis(2-chloroethoxy)met...	4.858	93	17745	2.347	ug/ml	99
25)	2,4-Dichlorophenol	4.910	162	11783	2.274	ug/ml	95
26)	1,2,4-Trichlorobenzene	4.975	180	15113	2.348	ug/ml	97
36)	Naphthalene	5.028	128	43527	2.469	ug/ml	99
37)	Benzoic Acid	4.875	105	5705	1.616	ug/ml	96
38)	4-Chloroaniline	5.122	65	5984	2.510	ug/ml	89
39)	Hexachlorobutadiene	5.199	225	9377	2.208	ug/ml	98
40)	p-Chloro-m-cresol	5.646	107	12690	2.389	ug/ml	98
41)	2-Methylnaphthalene	5.710	142	26764	2.386	ug/ml	97
42)	1-Methylnaphthalene	5.799	115	10838	2.419	ug/ml	98
43)	Hexachlorocyclopentadiene	5.881	237	10288	2.274	ug/ml	98
44)	2,4,6-Trichlorophenol	6.010	196	10008	2.289	ug/ml	99
45)	2,4,5-Trichlorophenol	6.040	196	11330	2.400	ug/ml	99
47)	2-Chloronaphthalene	6.163	162	32110	2.462	ug/ml	95
48)	2-Nitroaniline	6.293	138	8285	2.299	ug/ml	97
49)	1,4-Dinitrobenzene	6.428	168	4102	2.330	ug/ml	93
50)	1,3-Dinitrobenzene	6.499	168	4448	2.263	ug/ml	90
51)	Dimethyl phthalate	6.510	163	42611	2.592	ug/ml	99
52)	Acenaphthylene	6.546	152	55434	2.624	ug/ml	99
53)	2,6-Dinitrotoluene	6.540	165	7463	2.323	ug/ml#	69
54)	1,2-Dinitrobenzene	6.575	168	3078	2.411	ug/ml#	1
64)	3-Nitroaniline	6.687	138	8402	2.457	ug/ml#	96
65)	Acenaphthene	6.716	154	30543	2.469	ug/ml	94
66)	2,4-Dinitrophenol	6.793	184	3389	1.951	ug/ml#	80
67)	Dibenzofuran	6.887	168	52845	2.580	ug/ml	93
68)	2,4-Dinitrotoluene	6.916	165	10540	2.412	ug/ml	88
69)	4-Nitrophenol	6.910	65	6883	2.461	ug/ml#	1
70)	2,3,5,6-Tetrachlorophenol	6.987	232	9818	2.369	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNL5a.D
 Acq On : 18 Aug 2025 06:05 am
 Operator : SV112:slr
 Sample : IL6,32,,ABNL2.5 Lot# 11882
 Misc : WG2104073,,ical
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 06:33:51 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	10648	2.550	ug/ml	98
72)	Diethyl phthalate	7.193	149	45292	2.593	ug/ml	98
73)	Fluorene	7.210	166	42832	2.574	ug/ml	97
74)	4-Chlorophenyl phenyl ...	7.252	204	21734	2.473	ug/ml#	85
75)	4-Nitroaniline	7.257	138	8987	2.728	ug/ml	91
76)	4,6-Dinitro-o-cresol	7.299	198	6120	2.445	ug/ml#	82
77)	NDPA/DPA	7.369	169	36342	2.617	ug/ml	97
78)	Azobenzene	7.393	77	41973M6	2.763	ug/ml	
80)	4-Bromophenyl phenyl e...	7.704	248	13790	2.390	ug/ml#	83
81)	Hexachlorobenzene	7.734	284	16172	2.363	ug/ml#	88
82)	Pentachlorophenol	7.940	266	7595	2.300	ug/ml	95
89)	Phenanthrene	8.104	178	72043	2.619	ug/ml	99
90)	Anthracene	8.151	178	71733	2.628	ug/ml	99
91)	Carbazole	8.334	167	67269	2.717	ug/ml	98
92)	Di-n-butylphthalate	8.763	149	76502	2.628	ug/ml	99
93)	Fluoranthene	9.228	202	91297M3	2.761	ug/ml	
94)	Benzidine	9.410	184	49641	2.826	ug/ml#	97
95)	Pyrene	9.428	202	98472	2.915	ug/ml	99
97)	Butyl benzyl phthalate	10.175	149	31740	2.476	ug/ml	96
105)	Benzo(a)anthracene	10.587	228	100672	2.501	ug/ml	99
106)	3,3'-Dichlorobenzidine	10.622	252	34918	2.385	ug/ml	96
107)	Chrysene	10.622	228	98010	2.635	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	10.793	149	52017	2.368	ug/ml	99
109)	Di-n-octylphthalate	11.428	149	83352	2.363	ug/ml	98
110)	Benzo(b)fluoranthene	11.616	252	100621	2.553	ug/ml#	95
111)	Benzo(k)fluoranthene	11.640	252	102100M3	2.672	ug/ml	
112)	Benzo(a)pyrene	11.904	252	94498	2.595	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	12.875	276	88114M3	2.396	ug/mL	
115)	Dibenzo(a,h)anthracene	12.910	278	90140M6	2.563	ug/ml	
116)	Benzo(ghi)perylene	13.081	276	93142	2.549	ug/ml	94

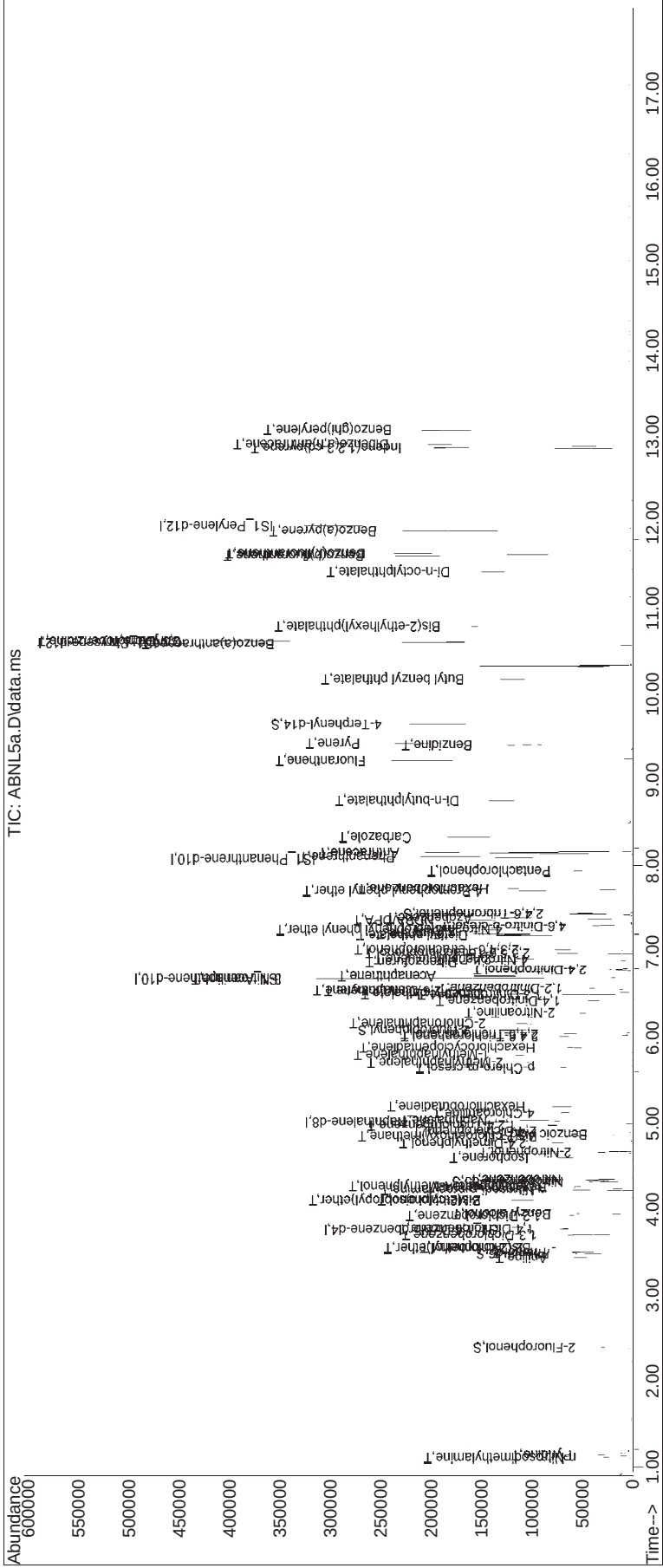
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D
Acq On : 18 Aug 2025 06:05 am
Operator : SV112:slr
Sample : IL6,32,,ABNL2.5 Lot# 11882
Misc : WG2104073,,ical
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 18 06:34:11 2025
Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Mon Aug 18 06:33:51 2025
Response via : Initial Calibration

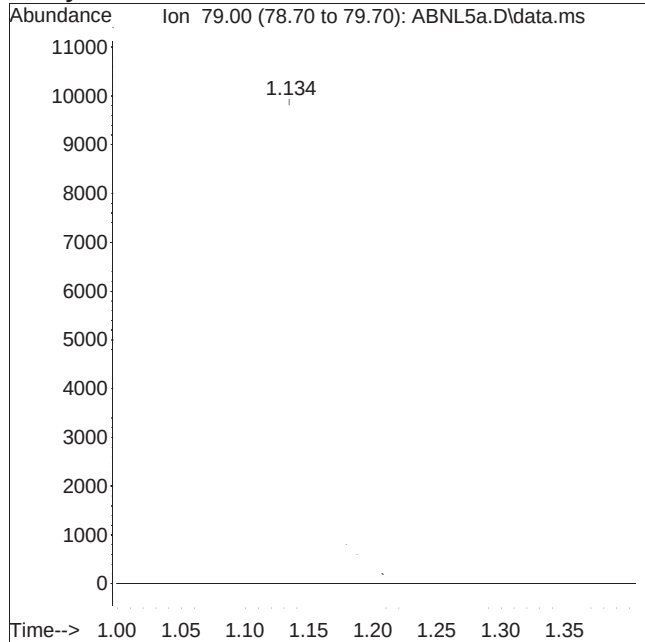
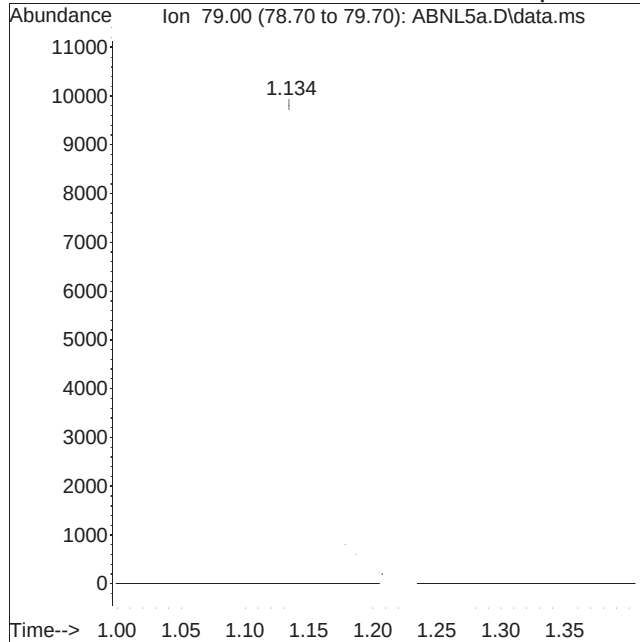
Sub List : ~~ABNL5a.D~~SV112\250817RVTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882 Quant Date : 8/18/2025 6:34 am

Compound #3: Pyridine



Original Peak Response = 13118

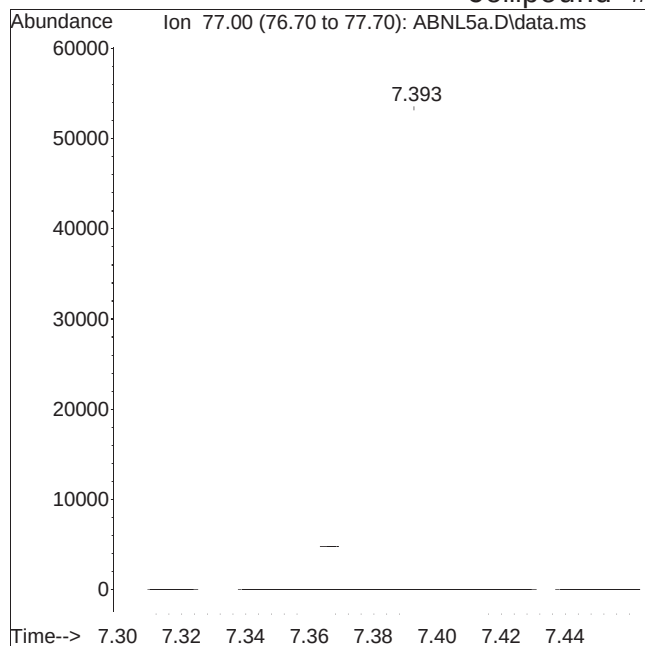
Manual Peak Response = 13323 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

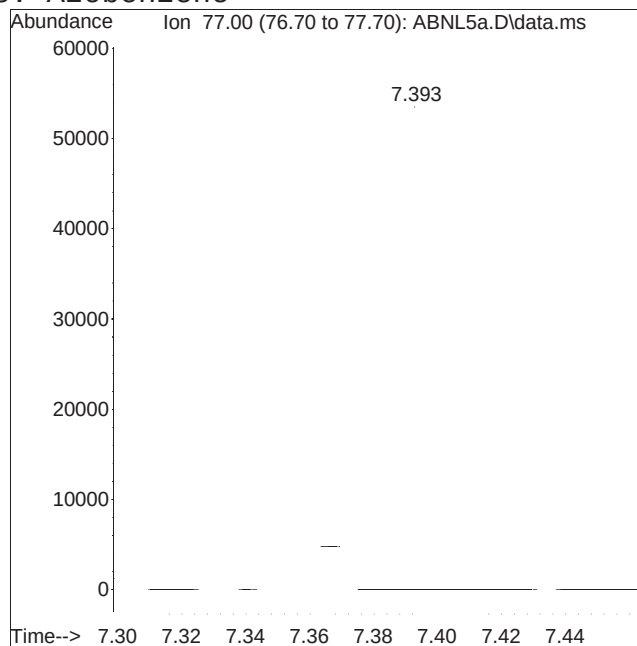
Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882 Quant Date : 8/18/2025 6:34 am

Compound #78: Azobenzene



Original Peak Response = 46588



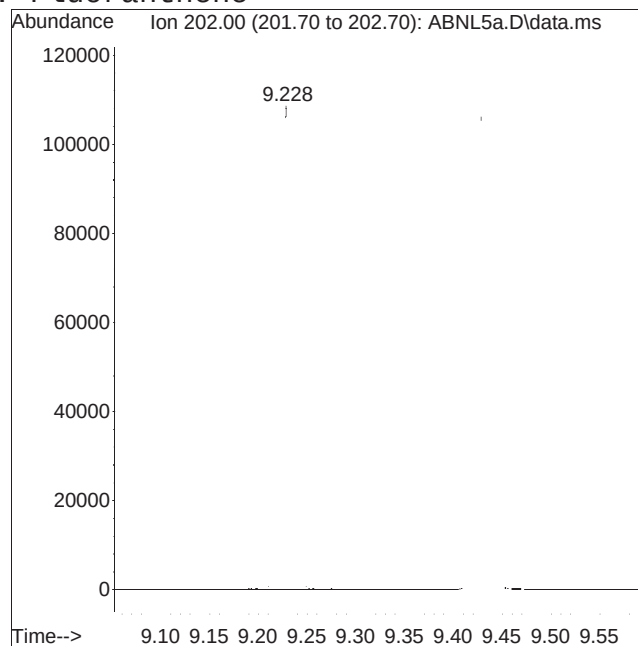
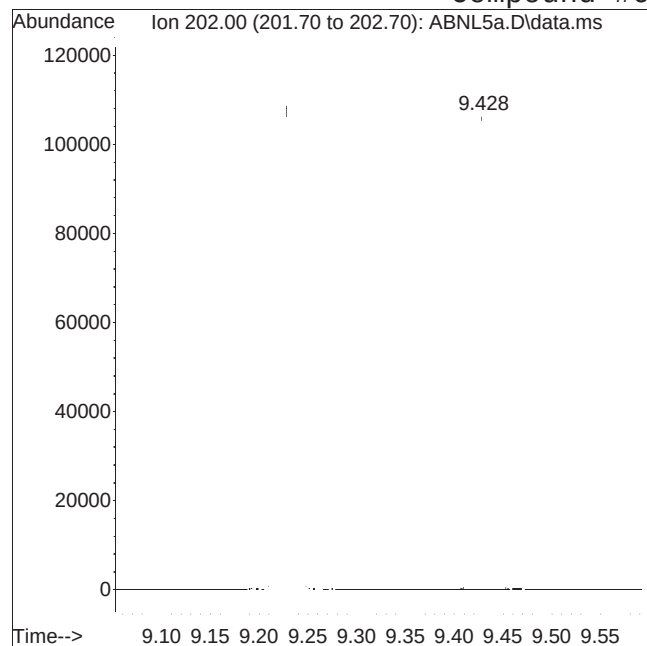
Manual Peak Response = 41973 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882 Quant Date : 8/18/2025 6:34 am

Compound #93: Fluoranthene



Original Peak Response = 98385

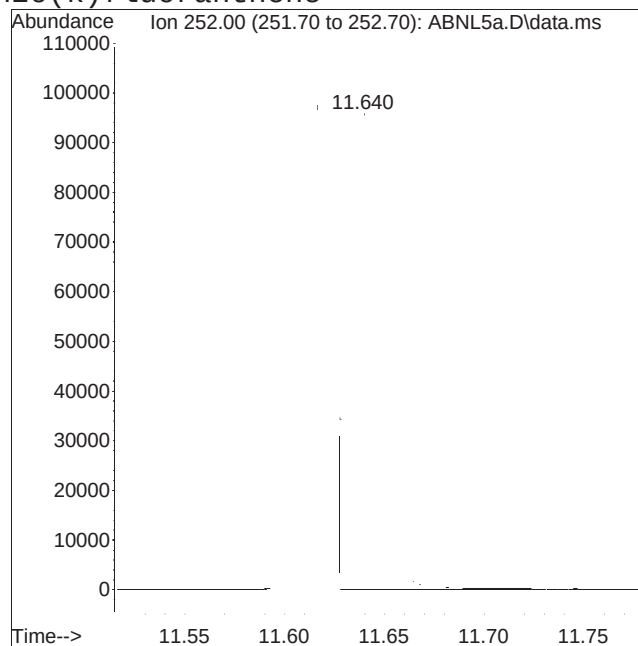
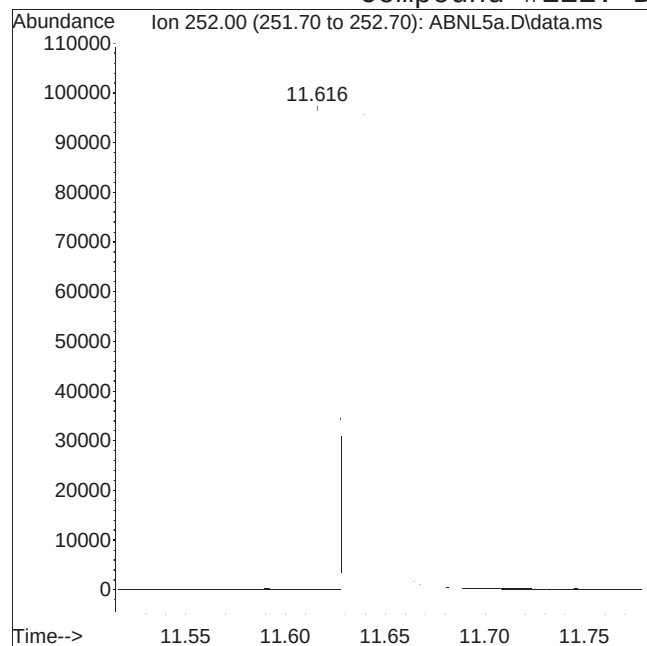
Manual Peak Response = 91297 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882 Quant Date : 8/18/2025 6:34 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 100621

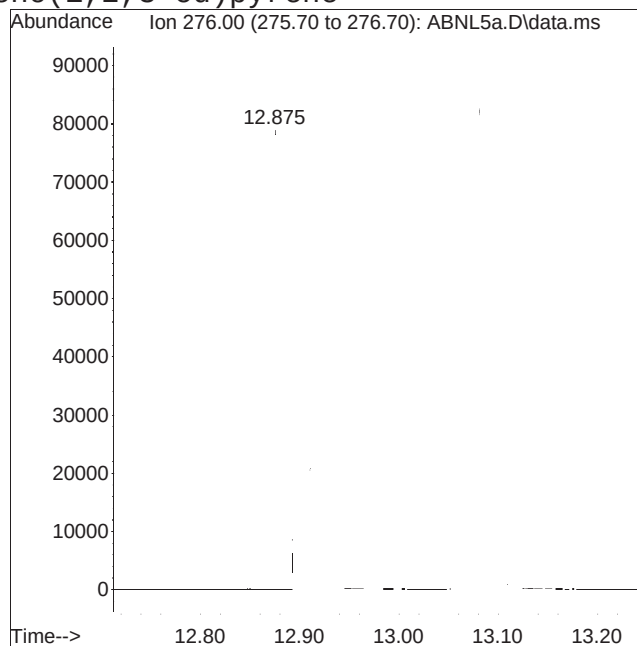
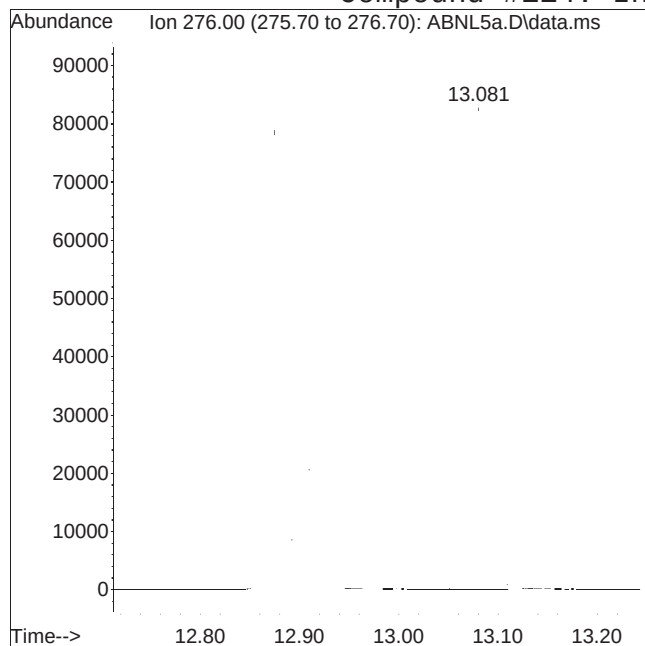
Manual Peak Response = 102100 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNL5a.D Operator : SV112:slr
Date Inj'd : 8/18/2025 6:05 am Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 11882 Quant Date : 8/18/2025 6:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 92215

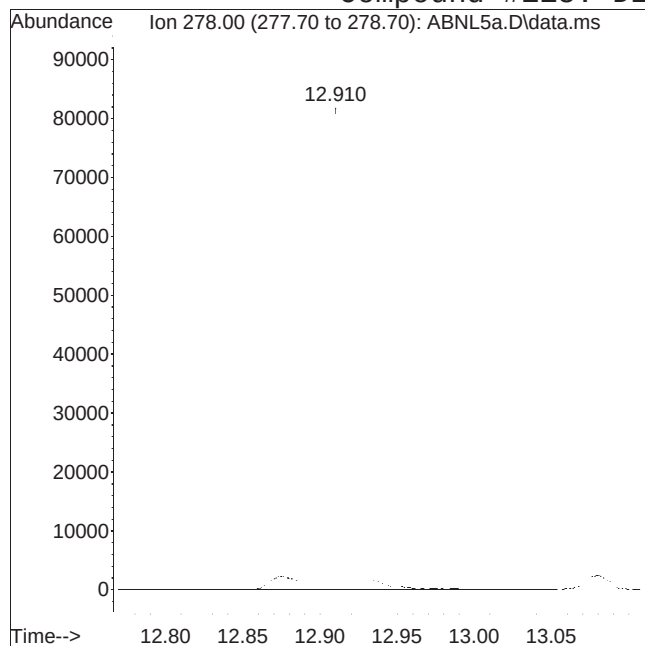
Manual Peak Response = 88114 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

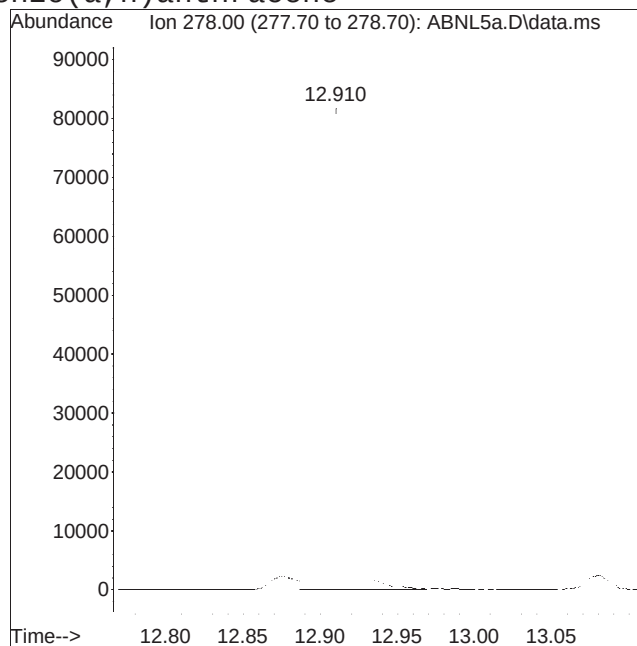
Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNL5a.D
Date Inj'd : 8/18/2025 6:05 am
Sample : IL6,32,,ABNL2.5 Lot# 11882
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 6:34 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 93276

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 90140 M6

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2 T	n-Nitrosodimethylamine	0.792	0.776	2.0	84	0.00
3 T	Pyridine	1.349	1.396	-3.5	95	0.00
4 S	2-Fluorophenol	1.105	1.040	5.9	79	0.00
5 T	Aniline	* 5.000	4.481	10.4	85	0.00
6 T	2-Chlorophenol	1.287	1.267	1.6	81	0.00
7 S	Phenol-d6	1.428	1.443	-1.1	84	0.00
8 T	Phenol	1.581	1.586	-0.3	85	0.00
9 T	Bis(2-chloroethyl)ether	1.319	1.272	3.6	84	0.00
10 T	1,3-Dichlorobenzene	1.573	1.540	2.1	87	0.00
11 T	1,4-Dichlorobenzene	1.611	1.541	4.3	84	0.00
12 T	1,2-Dichlorobenzene	1.557	1.471	5.5	83	0.00
13 T	Benzyl alcohol	1.122	1.101	1.9	85	0.00
14 T	Bis(2-chloroisopropyl)ether	2.148	2.124	1.1	86	0.00
15 T	2-Methylphenol	1.155	1.199	-3.8	87	0.00
16 T	Hexachloroethane	0.596	0.578	3.0	85	0.00
17 T	n-Nitrosodi-n-propylamine	1.032	1.019	1.3	84	0.00
18 T	3-Methylphenol/4-Methylphen	1.270	1.291	-1.7	87	0.00
19 S	Nitrobenzene-d5	1.354	1.333	1.6	83	0.00
20 T	Nitrobenzene	1.405	1.414	-0.6	86	0.00
21 T	Isophorone	2.849	2.846	0.1	84	0.00
22 T	2-Nitrophenol	* 5.000	3.891	22.2#	78	0.00
23 T	2,4-Dimethylphenol	1.510	1.415	6.3	82	0.00
24 T	Bis(2-chloroethoxy)methane	1.807	1.824	-0.9	86	0.00
25 T	2,4-Dichlorophenol	1.335	1.242	7.0	81	0.00
26 T	1,2,4-Trichlorobenzene	1.539	1.479	3.9	85	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	96	0.00
36 T	Naphthalene	1.063	1.015	4.5	85	0.00
37 T	Benzoic Acid	* 5.000	4.080	18.4	75	0.00
38 T	4-Chloroaniline	0.144	0.145	-0.7	88	0.00
39 T	Hexachlorobutadiene	0.253	0.231	8.7	82	0.00
40 T	p-Chloro-m-cresol	0.329	0.317	3.6	83	0.00
41 T	2-Methylnaphthalene	0.674	0.678	-0.6	89	0.00
42 T	1-Methylnaphthalene	0.269	0.259	3.7	87	0.00
43 T	Hexachlorocyclopentadiene	* 5.000	4.084	18.3	78	0.00
44 T	2,4,6-Trichlorophenol	* 5.000	4.080	18.4	81	0.00
45 T	2,4,5-Trichlorophenol	* 5.000	4.356	12.9	80	0.00
46 S	2-Fluorobiphenyl	0.927	0.901	2.8	84	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene		0.786	0.780	0.8	87	0.00
48 T	2-Nitroaniline	*	5.000	4.193	16.1	86	0.00
49 T	1,4-Dinitrobenzene		0.128	0.105	18.0	82	0.00
50 T	1,3-Dinitrobenzene		0.145	0.118	18.6	82	0.00
51 T	Dimethyl phthalate		0.996	1.018	-2.2	85	0.00
52 T	Acenaphthylene		1.282	1.314	-2.5	84	0.00
53 T	2,6-Dinitrotoluene	*	5.000	4.190	16.2	82	0.00
54 T	1,2-Dinitrobenzene		0.094	0.080	14.9	83	0.00
63 I	IS1_Acenaphthene-d10		1.000	1.000	0.0	97	0.00
64 T	3-Nitroaniline	*	5.000	4.493	10.1	88	0.00
65 T	Acenaphthene		1.102	1.083	1.7	89	0.00
66 T	2,4-Dinitrophenol	*	5.000	3.989	20.2#	79	0.00
67 T	Dibenzofuran		1.833	1.790	2.3	86	0.00
68 T	2,4-Dinitrotoluene	*	5.000	4.346	13.1	85	0.00
69 T	4-Nitrophenol	*	5.000	4.777	4.5	89	0.00
70 T	2,3,5,6-Tetrachlorophenol	*	5.000	4.133	17.3	80	0.00
71 T	2,3,4,6-Tetrachlorophenol	*	5.000	4.283	14.3	81	0.00
72 T	Diethyl phthalate		1.565	1.574	-0.6	86	0.00
73 T	Fluorene		1.489	1.487	0.1	88	0.00
74 T	4-Chlorophenyl phenyl ether		0.783	0.735	6.1	86	0.00
75 T	4-Nitroaniline	*	5.000	4.581	8.4	88	0.00
76 T	4,6-Dinitro-o-cresol	*	5.000	4.319	13.6	86	0.00
77 T	NDPA/DPA		1.246	1.266	-1.6	88	0.00
78 T	Azobenzene		1.371	1.451	-5.8	88	0.00
79 S	2,4,6-Tribromophenol		0.254	0.231	9.1	81	0.00
80 T	4-Bromophenyl phenyl ether		0.512	0.502	2.0	87	0.00
81 T	Hexachlorobenzene		0.607	0.566	6.8	86	0.00
82 T	Pentachlorophenol	*	5.000	4.061	18.8	80	0.00
88 I	IS1_Phenanthrene-d10		1.000	1.000	0.0	100	0.00
89 T	Phenanthrene		1.099	1.079	1.8	91	0.00
90 T	Anthracene		1.091	1.098	-0.6	90	0.00
91 T	Carbazole		0.993	1.032	-3.9	91	0.00
92 T	Di-n-butylphthalate		1.164	1.219	-4.7	89	0.00
93 T	Fluoranthene		1.329	1.365	-2.7	91	0.00
94 T	Benzidine	*	5.000	4.808	3.8	91	0.00
95 T	Pyrene		1.367	1.456	-6.5	93	0.00
96 S	4-Terphenyl-d14		1.068	1.072	-0.4	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	*	5.000	4.446	11.1	90	0.00
104 I	IS1_Chrysene-d12		1.000	1.000	0.0	105	0.00
105 T	Benzo(a)anthracene		1.308	1.270	2.9	94	0.00
106 T	3,3'-Dichlorobenzidine		0.473	0.459	3.0	87	0.00
107 T	Chrysene		1.216	1.217	-0.1	94	0.00
108 T	Bis(2-ethylhexyl)phthalate	*	5.000	4.397	12.1	90	0.00
109 T	Di-n-octylphthalate	*	5.000	4.110	17.8	90	0.00
110 T	Benzo(b)fluoranthene		1.283	1.236	3.7	94	0.00
111 T	Benzo(k)fluoranthene		1.251	1.323	-5.8	94	0.00
112 T	Benzo(a)pyrene		1.188	1.190	-0.2	93	0.00
113 I	IS1_Perylene-d12		1.000	1.000	0.0	103	0.00
114 T	Indeno(1,2,3-cd)pyrene		1.105	1.085	1.8	90	0.00
115 T	Dibenzo(a,h)anthracene		1.064	1.080	-1.5	91	0.00
116 T	Benzo(ghi)perylene		1.105	1.114	-0.8	93	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.758	152	17769	4.000	ug/ml	0.00
Standard Area 1 = 18713			Recovery =	94.96%		
35) IS1_Naphthalene-d8	5.010	136	73475	4.000	ug/ml	0.00
Standard Area 1 = 76311			Recovery =	96.28%		
63) IS1_Acenaphthene-d10	6.687	164	50055	4.000	ug/ml	0.00
Standard Area 1 = 51538			Recovery =	97.12%		
88) IS1_Phenanthrene-d10	8.081	188	112490	4.000	ug/ml	0.00
Standard Area 1 = 112327			Recovery =	100.15%		
104) IS1_Chrysene-d12	10.598	240	130657	4.000	ug/ml	# 0.00
Standard Area 1 = 124647			Recovery =	104.82%		
113) IS1_Perylene-d12	11.963	264	139106	4.000	ug/ml	0.00
Standard Area 1 = 135022			Recovery =	103.02%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.387	112	23099	4.706	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	235.30%#		
7) Phenol-d6	3.487	99	32055	5.053	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	252.65%#		
19) Nitrobenzene-d5	4.322	82	29607	4.923	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	492.30%#		
46) 2-Fluorobiphenyl	6.087	172	82749	4.859	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	485.90%#		
79) 2,4,6-Tribromophenol	7.440	330	14440	4.536	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	226.80%#		
96) 4-Terphenyl-d14	9.651	244	150724	5.019	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	501.90%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.105	74	17234	4.899	ug/ml#	76
3) Pyridine	1.122	79	31008M1	5.173	ug/ml	
5) Aniline	3.434	93	44940	4.481	ug/ml	99
6) 2-Chlorophenol	3.552	128	28134	4.921	ug/ml	94
8) Phenol	3.499	94	35232	5.017	ug/ml	94
9) Bis(2-chloroethyl)ether	3.546	93	28253	4.821	ug/ml#	68
10) 1,3-Dichlorobenzene	3.699	146	34196	4.892	ug/ml	98
11) 1,4-Dichlorobenzene	3.775	146	34220	4.782	ug/ml	97
12) 1,2-Dichlorobenzene	3.922	146	32674	4.725	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	3.946	79	24461	4.910	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.105	45	47171	4.943	ug/ml#	71
15) 2-Methylphenol	4.105	108	26623	5.190	ug/ml	98
16) Hexachloroethane	4.252	117	12843	4.850	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.228	70	22624	4.934	ug/ml	94
18) 3-Methylphenol/4-Methy...	4.269	108	28667	5.080	ug/ml	96
20) Nitrobenzene	4.340	77	31417	5.033	ug/ml	95
21) Isophorone	4.593	82	63215	4.994	ug/ml	98
22) 2-Nitrophenol	4.663	139	12969	3.891	ug/ml	99
23) 2,4-Dimethylphenol	4.775	107	31435	4.688	ug/ml	100
24) Bis(2-chloroethoxy)met...	4.857	93	40520	5.047	ug/ml#	98
25) 2,4-Dichlorophenol	4.910	162	27593	4.654	ug/ml	96
26) 1,2,4-Trichlorobenzene	4.975	180	32858	4.807	ug/ml	96
36) Naphthalene	5.028	128	93195	4.774	ug/ml	99
37) Benzoic Acid	4.893	105	15810	4.080	ug/ml	99
38) 4-Chloroaniline	5.122	65	13330	5.040	ug/ml	92
39) Hexachlorobutadiene	5.199	225	21224	4.566	ug/ml	99
40) p-Chloro-m-cresol	5.646	107	29121	4.821	ug/ml	98
41) 2-Methylnaphthalene	5.710	142	62250	5.032	ug/ml	98
42) 1-Methylnaphthalene	5.799	115	23773	4.804	ug/ml	98
43) Hexachlorocyclopentadiene	5.881	237	24637	4.084	ug/ml	98
44) 2,4,6-Trichlorophenol	6.010	196	23463	4.080	ug/ml	98
45) 2,4,5-Trichlorophenol	6.040	196	26328	4.356	ug/ml	97
47) 2-Chloronaphthalene	6.163	162	71680	4.966	ug/ml	95
48) 2-Nitroaniline	6.293	138	19803	4.193	ug/ml	98
49) 1,4-Dinitrobenzene	6.428	168	9662	4.108	ug/ml	95
50) 1,3-Dinitrobenzene	6.504	168	10857	4.074	ug/ml	98
51) Dimethyl phthalate	6.510	163	93469	5.107	ug/ml	99
52) Acenaphthylene	6.546	152	120672	5.124	ug/ml	99
53) 2,6-Dinitrotoluene	6.540	165	17334	4.190	ug/ml#	69
54) 1,2-Dinitrobenzene	6.575	168	7351	4.270	ug/ml#	1
64) 3-Nitroaniline	6.687	138	20338	4.493	ug/ml#	98
65) Acenaphthene	6.716	154	67786	4.915	ug/ml	98
66) 2,4-Dinitrophenol	6.787	184	8850	3.989	ug/ml#	87
67) Dibenzofuran	6.887	168	112007	4.882	ug/ml	93
68) 2,4-Dinitrotoluene	6.916	165	24798	4.346	ug/ml	90
69) 4-Nitrophenol	6.910	65	18414	4.777	ug/ml#	28
70) 2,3,5,6-Tetrachlorophenol	6.987	232	23528	4.133	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
 Data File : ABNICVa.D
 Acq On : 18 Aug 2025 06:27 am
 Operator : SV112:slr
 Sample : CQICV,32,,ABNICV Lot# 11881
 Misc : WG2104073,,ical
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
 Quant Method : I:\8270\SV112\250817RVTical\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 18 09:02:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250817RVTical\ABNL6.D
 : 2 - I:\8270\SV112\250817RVTical\ADPL6.D
 : 3 - I:\8270\SV112\250817RVTical\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.028	232	24306	4.283	ug/ml	97
72)	Diethyl phthalate	7.193	149	98507	5.032	ug/ml	98
73)	Fluorene	7.210	166	93015	4.990	ug/ml	98
74)	4-Chlorophenyl phenyl ...	7.251	204	45988	4.693	ug/ml#	85
75)	4-Nitroaniline	7.263	138	20475	4.581	ug/ml	89
76)	4,6-Dinitro-o-cresol	7.299	198	14437	4.319	ug/ml#	82
77)	NDPA/DPA	7.369	169	79194	5.081	ug/ml	97
78)	Azobenzene	7.393	77	90814M6	5.294	ug/ml	
80)	4-Bromophenyl phenyl e...	7.704	248	31417	4.902	ug/ml#	85
81)	Hexachlorobenzene	7.734	284	35435	4.667	ug/ml#	89
82)	Pentachlorophenol	7.940	266	18224	4.061	ug/ml	97
89)	Phenanthrene	8.104	178	151732	4.909	ug/ml	99
90)	Anthracene	8.151	178	154329	5.029	ug/ml	100
91)	Carbazole	8.334	167	145179	5.197	ug/ml	99
92)	Di-n-butylphthalate	8.769	149	171468	5.240	ug/ml	100
93)	Fluoranthene	9.228	202	191999M3	5.135	ug/ml	
94)	Benzidine	9.410	184	115660	4.808	ug/ml#	98
95)	Pyrene	9.434	202	204682	5.323	ug/ml	100
97)	Butyl benzyl phthalate	10.175	149	72857	4.446	ug/ml	97
105)	Benzo(a)anthracene	10.592	228	207497	4.856	ug/ml	100
106)	3,3'-Dichlorobenzidine	10.622	252	74975	4.849	ug/ml#	98
107)	Chrysene	10.622	228	198758	5.004	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	10.792	149	117028	4.397	ug/ml	99
109)	Di-n-octylphthalate	11.428	149	194880	4.110	ug/ml	99
110)	Benzo(b)fluoranthene	11.616	252	201922	4.816	ug/ml#	97
111)	Benzo(k)fluoranthene	11.645	252	216045M3	5.286	ug/ml	
112)	Benzo(a)pyrene	11.910	252	194293	5.006	ug/ml#	96
114)	Indeno(1,2,3-cd)pyrene	12.881	276	188653M3	4.911	ug/mL	
115)	Dibenzo(a,h)anthracene	12.910	278	187733M6	5.072	ug/ml	
116)	Benzo(ghi)perylene	13.081	276	193704	5.040	ug/ml	95

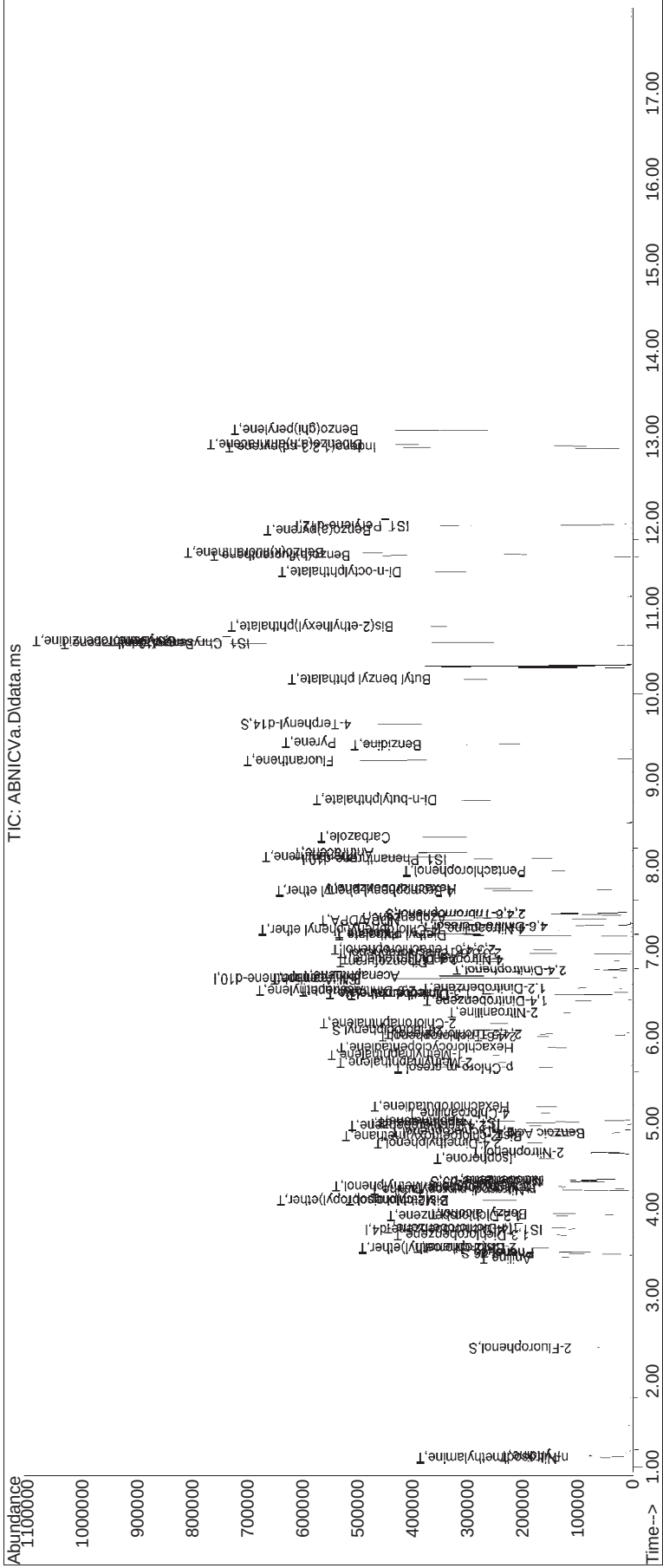
(#) = qualifier out of range (m) = manual integration (+) = signals summed

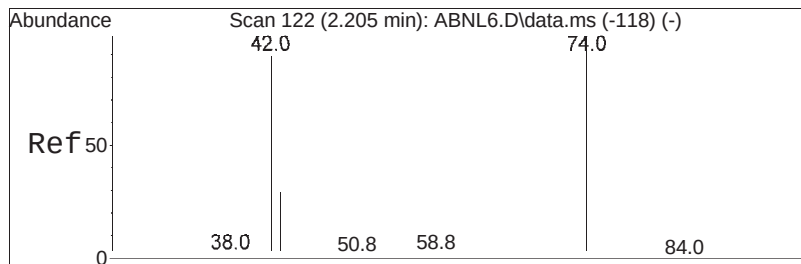
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250817RVTical\
Data File : ABNICVa.D
Acq On : 18 Aug 2025 06:27 am
Operator : SV112:slr
Sample : CQICV,32,,ABNICV Lot# 11881
Misc : WG2104073,,ical
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 18 09:11:12 2025
Quant Method : I:\8270\SV112\250817RVTical\F250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Mon Aug 18 09:02:59 2025
Response via : Initial Calibration

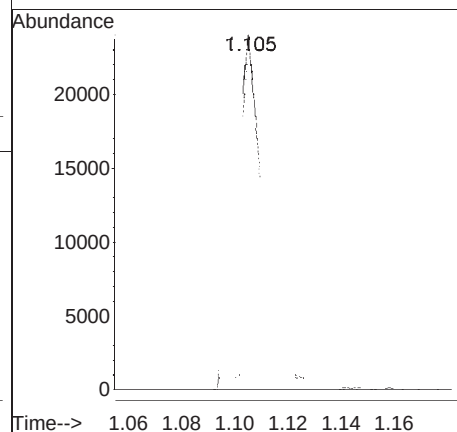
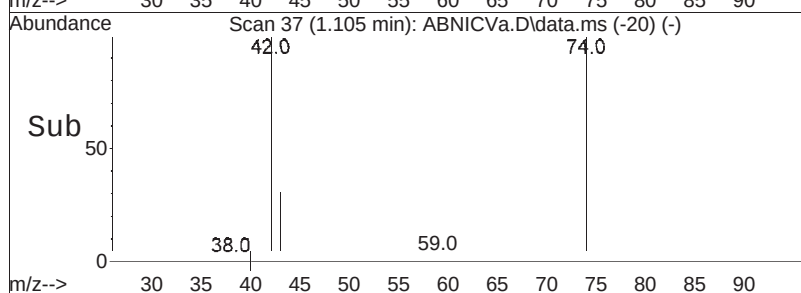
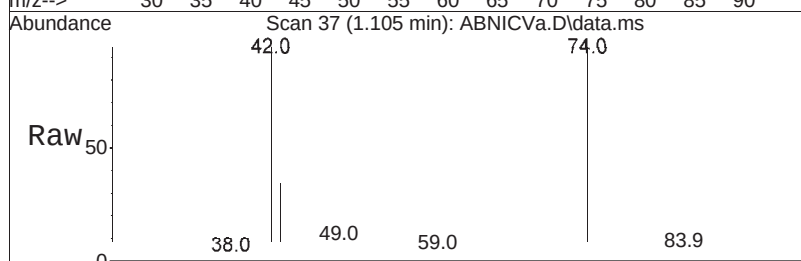
Sub List : **ABNICVa\8270\SV112\250817RVTical\AP9L6.D**

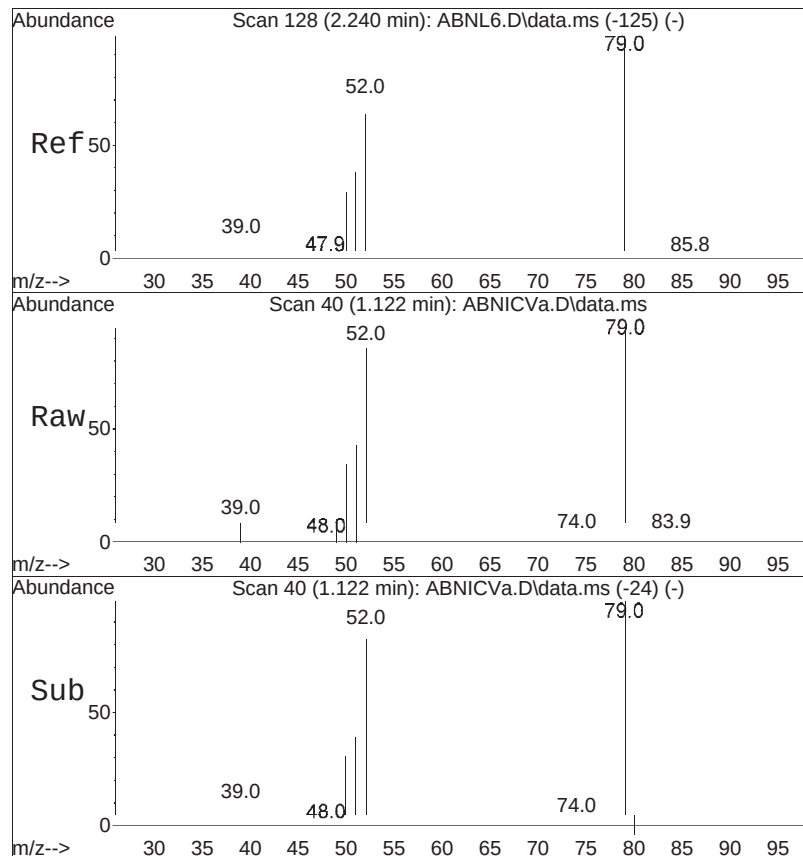




#2
 n-Nitrosodimethylamine
 Concen: 4.90 ug/ml
 RT: 1.105 min Scan# 37
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

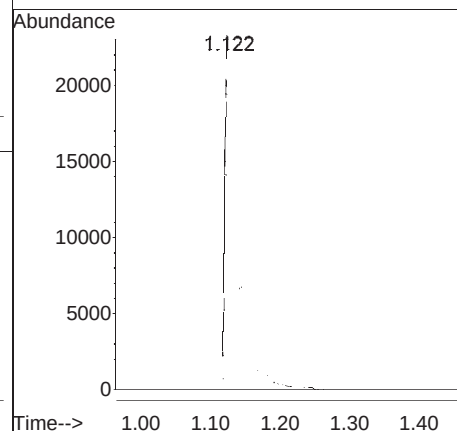
Tgt Ion: 74 Resp: 17234
 Ion Ratio Lower Upper
 74 100
 42 101.9 63.8 95.8#
 44 7.2 4.3 6.5#

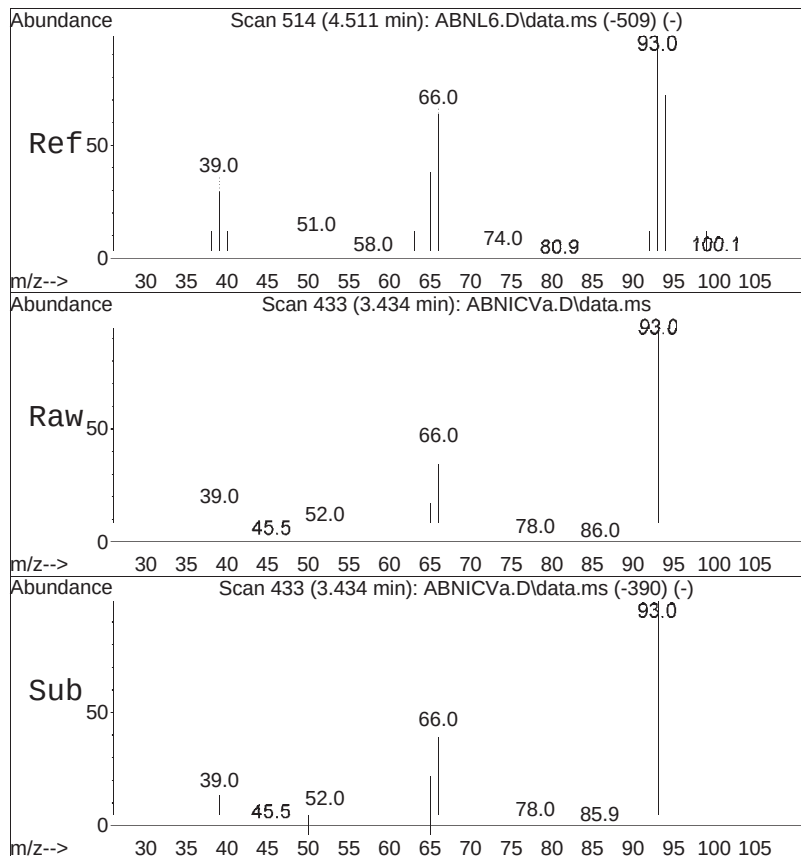




#3
 Pyridine
 Concen: 5.17 ug/ml M1
 RT: 1.122 min Scan# 40
 Delta R.T. -0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

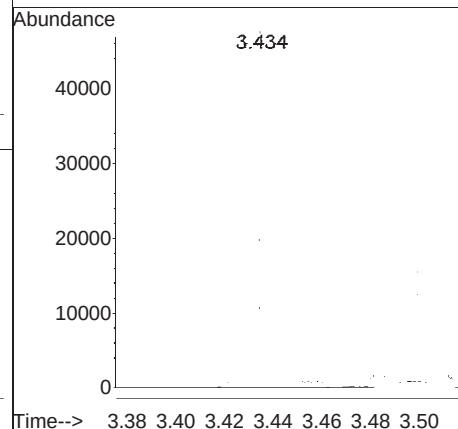
Tgt Ion	Ratio	Lower	Upper
79	100		
52	80.7	64.6	96.8

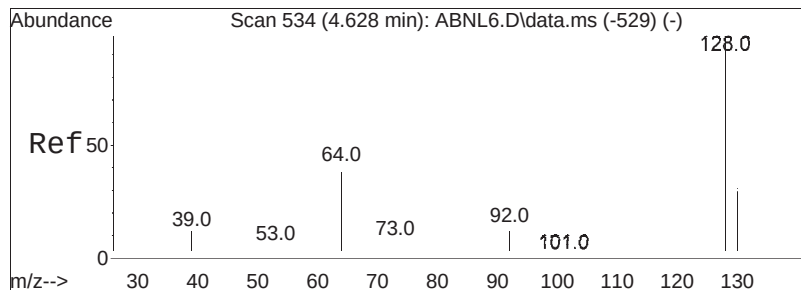




#5
 Aniline
 Concen: 4.48 ug/ml
 RT: 3.434 min Scan# 433
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

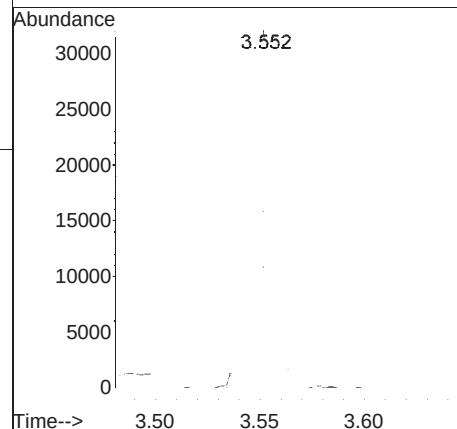
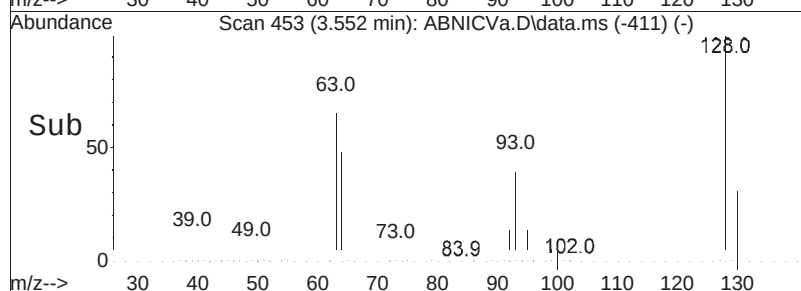
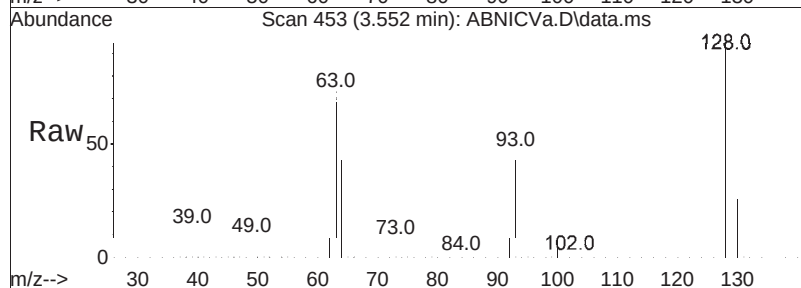
Tgt Ion:	93	Resp:	44940
Ion Ratio	Lower	Upper	
93	100		
66	39.3	31.3	46.9
65	21.5	16.6	25.0

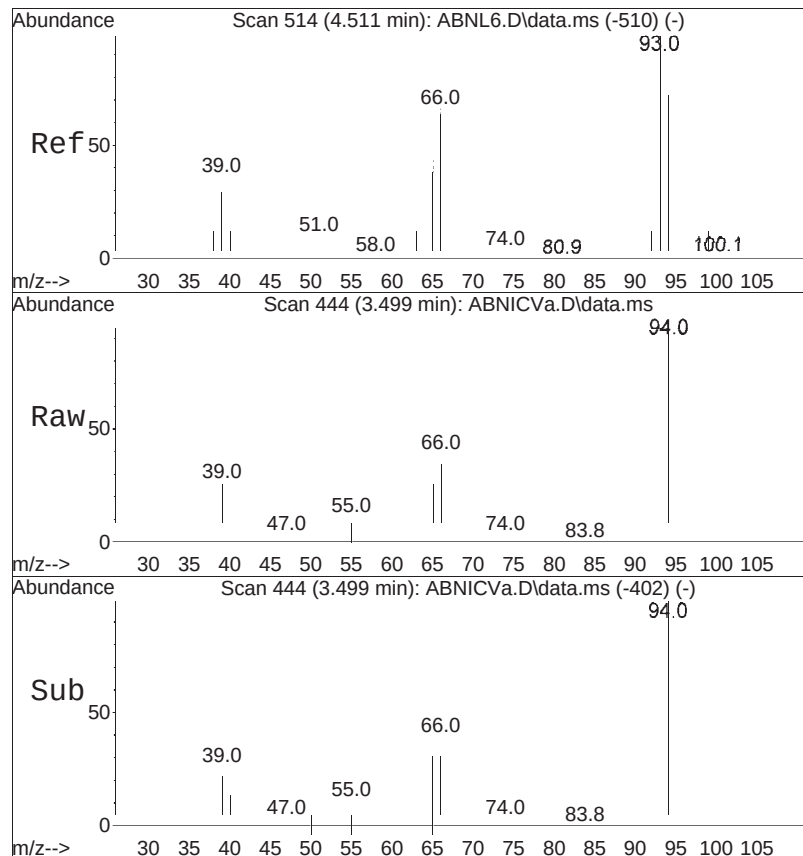




#6
 2-Chlorophenol
 Concen: 4.92 ug/ml
 RT: 3.552 min Scan# 453
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

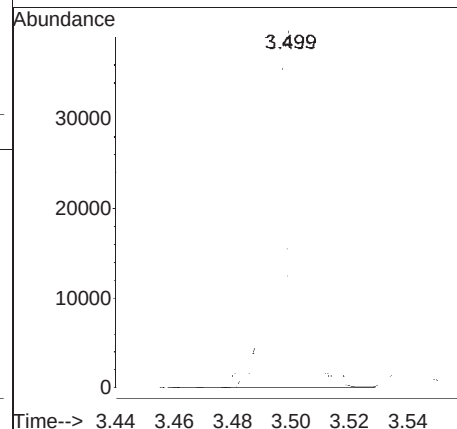
Tgt Ion:	128	Resp:	28134
Ion Ratio	Lower	Upper	
128	100		
64	53.4	38.2	57.4
130	33.5	26.2	39.2

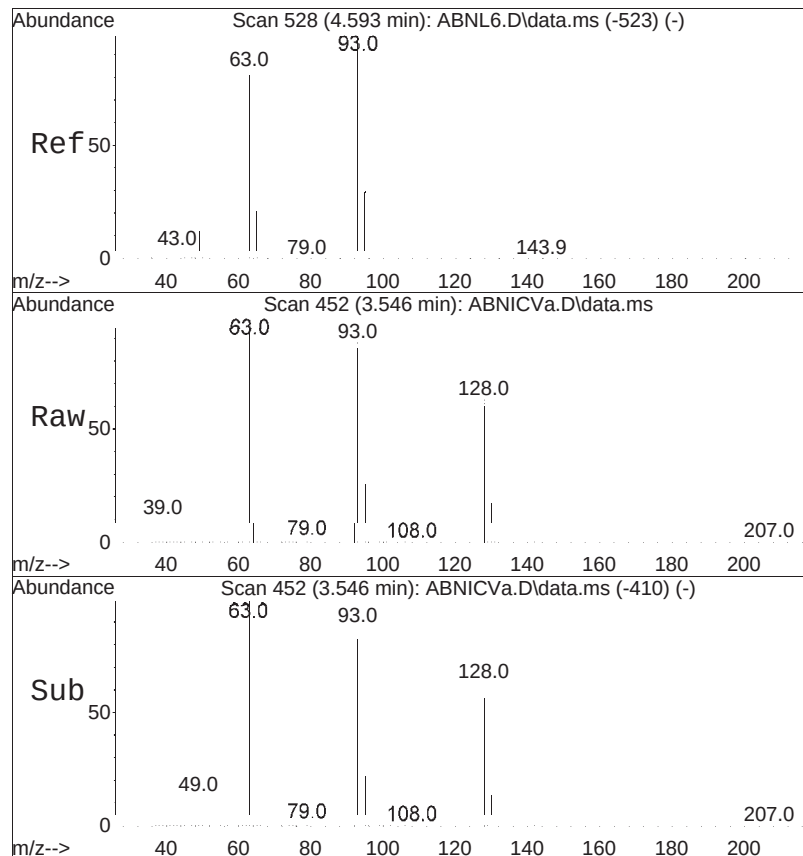




#8
 Phenol
 Concen: 5.02 ug/ml
 RT: 3.499 min Scan# 444
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

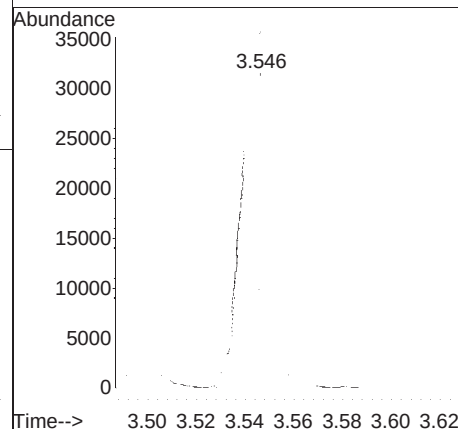
Tgt Ion:	94	Resp:	35232
Ion Ratio	Lower	Upper	
94	100		
65	32.9	23.0	34.6
66	43.3	32.1	48.1

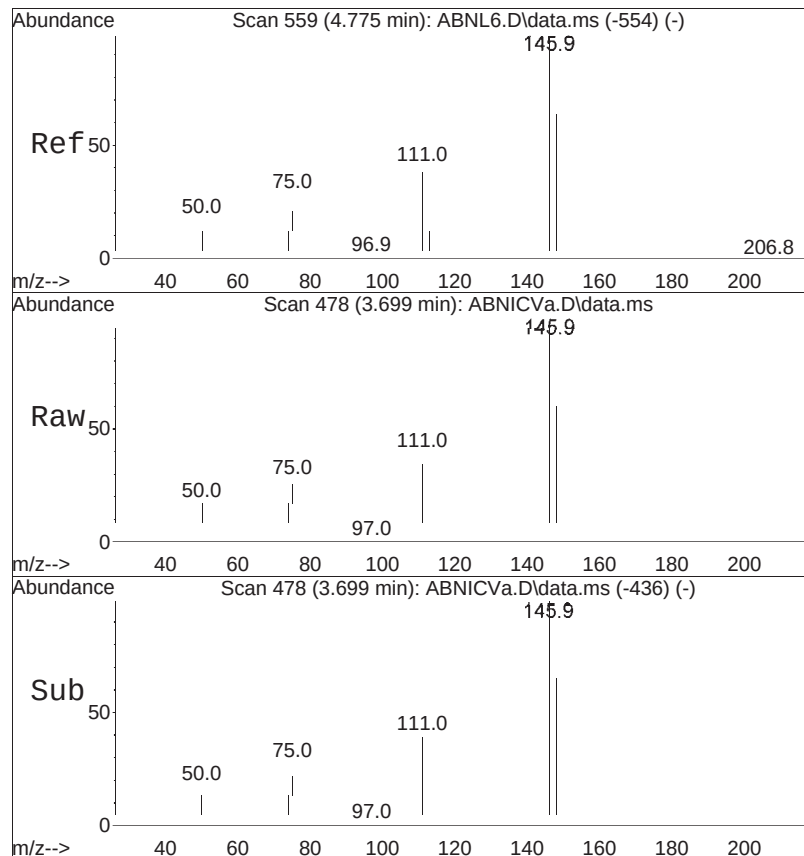




#9
 Bis(2-chloroethyl)ether
 Concen: 4.82 ug/ml
 RT: 3.546 min Scan# 452
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

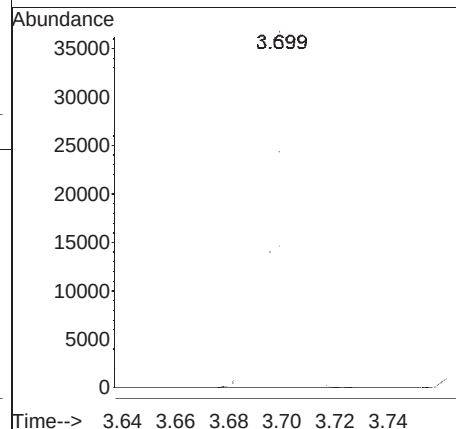
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	28253		
63	123.1		67.0	100.4#
95	32.3		26.1	39.1

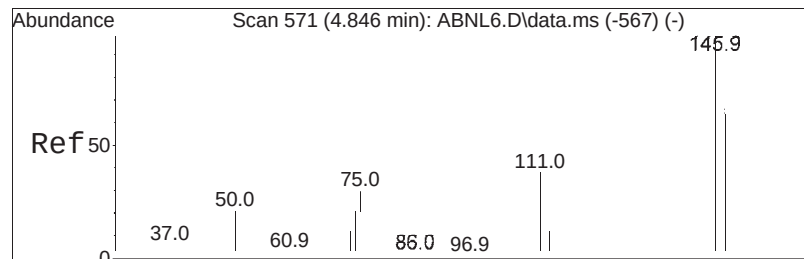




#10
 1,3-Dichlorobenzene
 Concen: 4.89 ug/ml
 RT: 3.699 min Scan# 478
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

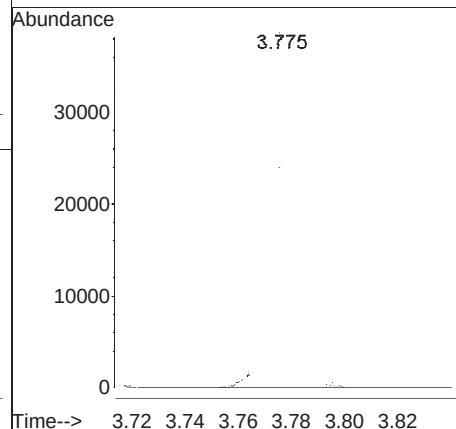
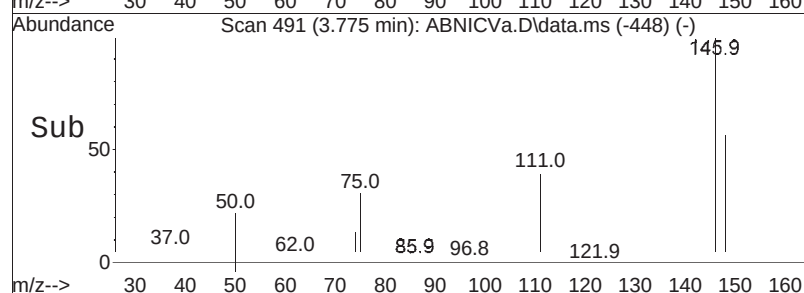
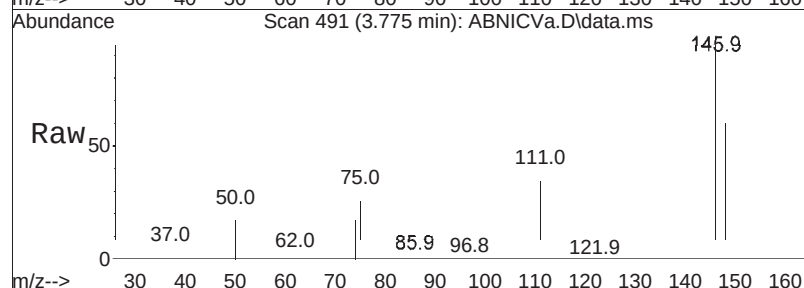
Tgt Ion:	146	Resp:	34196
Ion Ratio	Lower	Upper	
146	100		
111	41.0	35.0	52.4
148	64.0	51.3	76.9

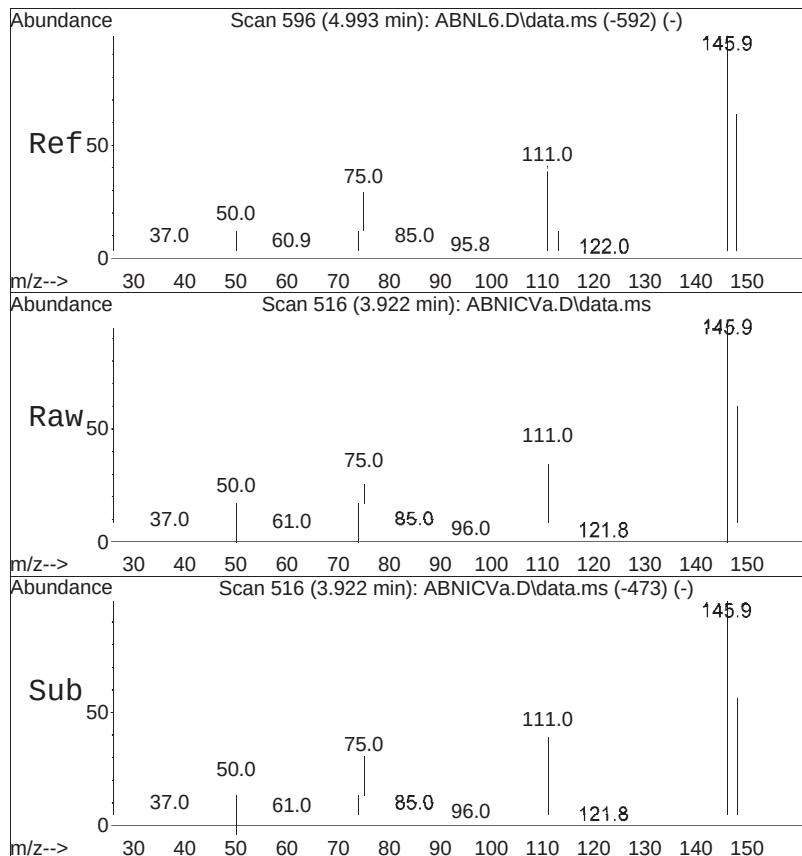




#11
 1,4-Dichlorobenzene
 Concen: 4.78 ug/ml
 RT: 3.775 min Scan# 491
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

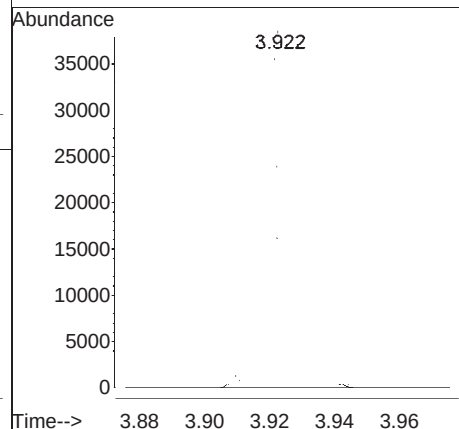
Tgt Ion:	146	Resp:	34220
Ion Ratio	Lower	Upper	
146	100		
148	62.1	51.1	76.7
111	40.5	34.4	51.6

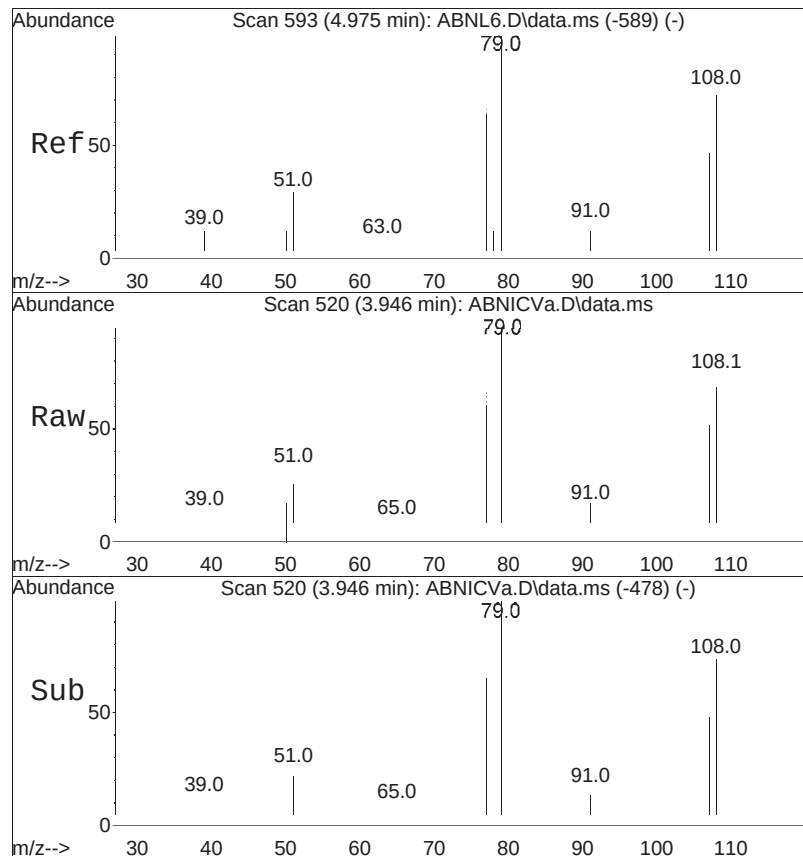




#12
 1,2-Dichlorobenzene
 Concen: 4.72 ug/ml
 RT: 3.922 min Scan# 516
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

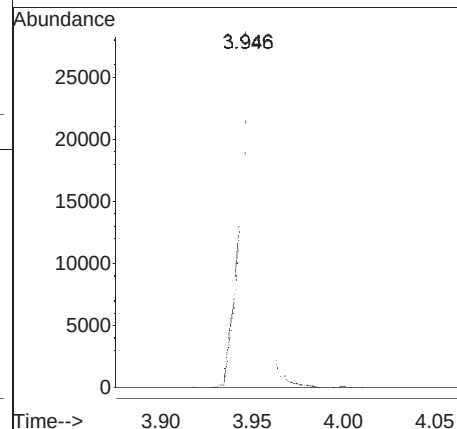
Tgt Ion:	146	Resp:	32674
Ion Ratio	Lower	Upper	
146	100		
111	42.3	35.5	53.3
148	64.8	50.6	76.0

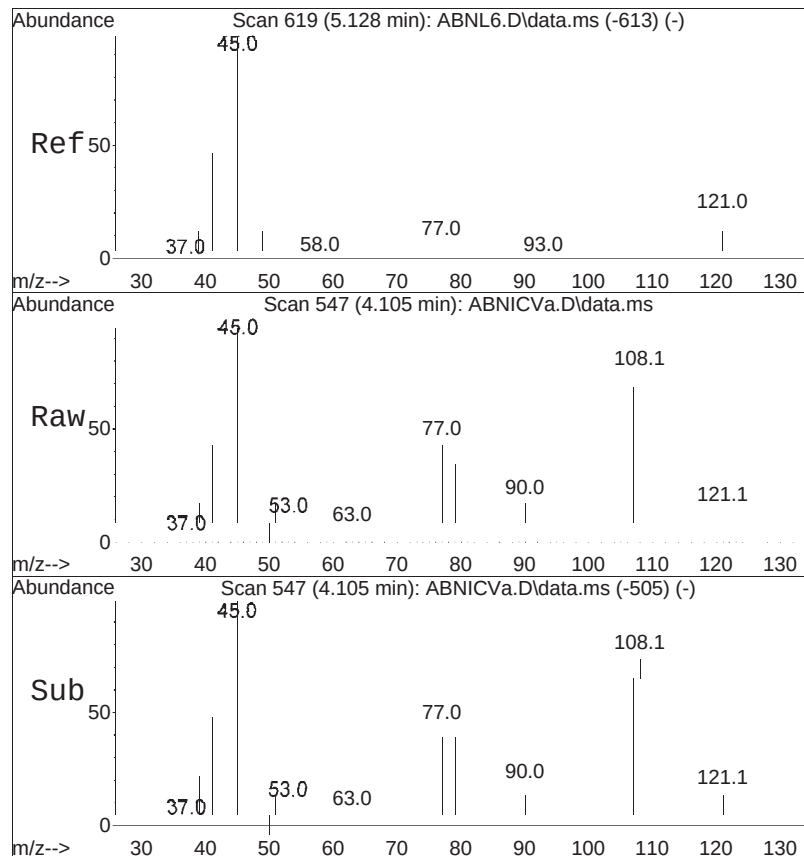




#13
 Benzyl alcohol
 Concen: 4.91 ug/ml
 RT: 3.946 min Scan# 520
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

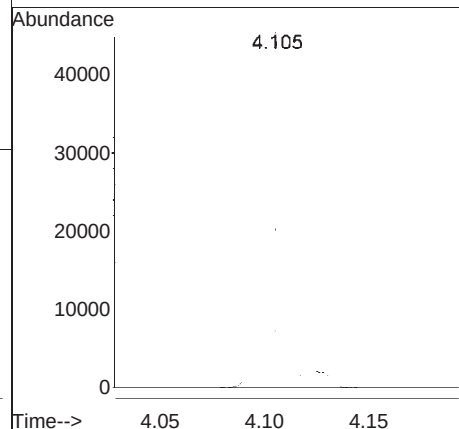
Tgt Ion:	79	Resp:	24461
Ion Ratio	Lower	Upper	
79	100		
77	67.2	51.8	77.6
108	78.1	63.9	95.9

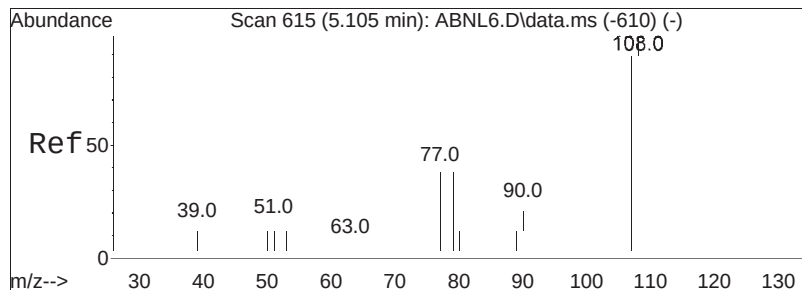




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.94 ug/ml
 RT: 4.105 min Scan# 547
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

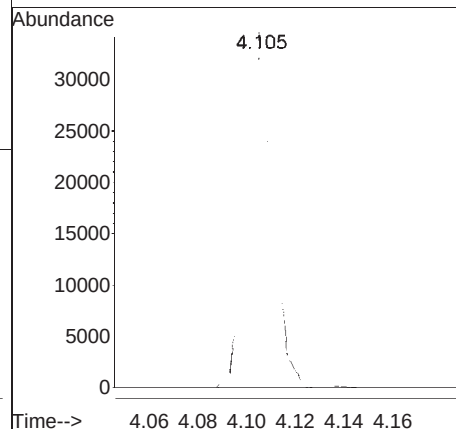
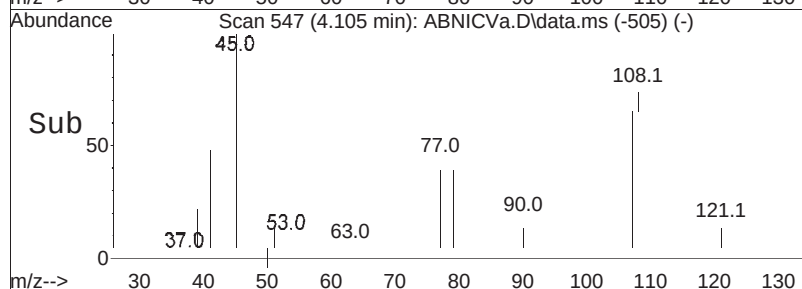
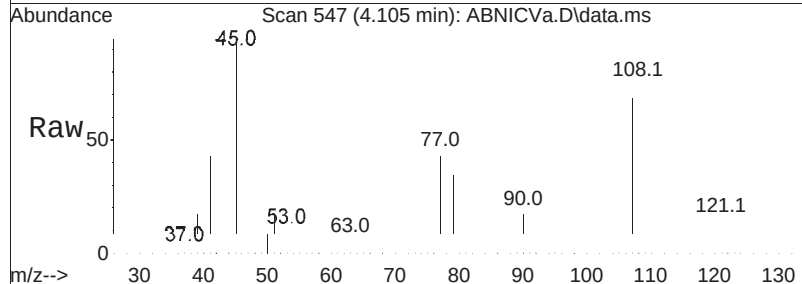
Tgt Ion	Ratio	Lower	Upper
45	100		
121	15.9	14.8	22.2
77	37.4	10.5	15.7#

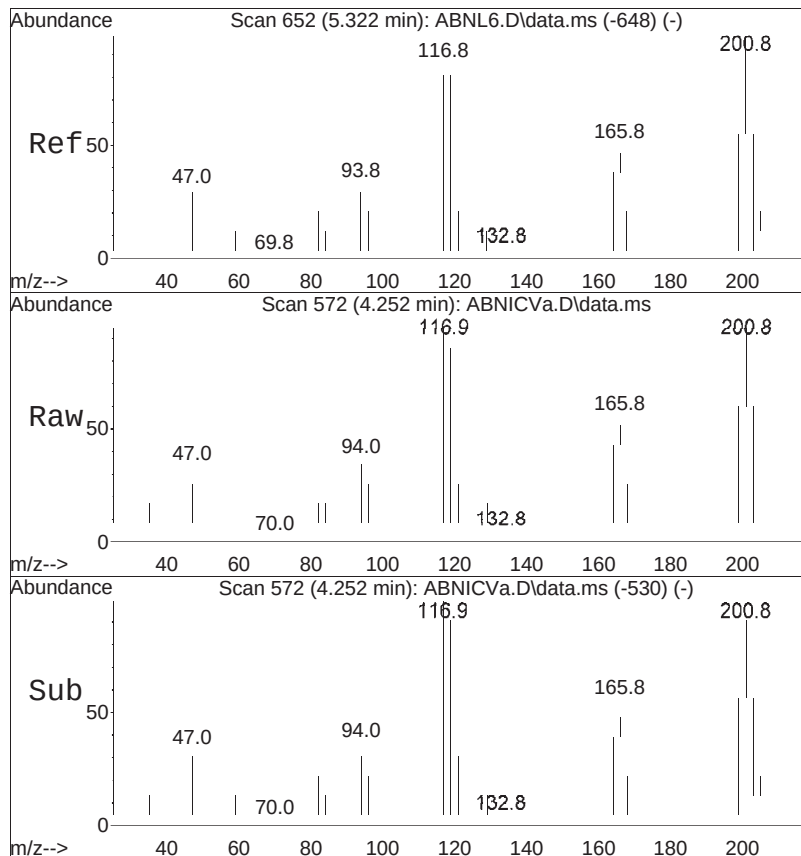




#15
 2-Methylphenol
 Concen: 5.19 ug/ml
 RT: 4.105 min Scan# 547
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

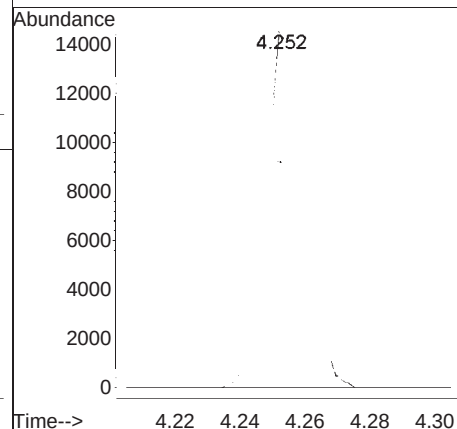
Tgt Ion	Ratio	Lower	Upper
108	100		
107	91.1	71.0	106.4
90	24.7	19.7	29.5

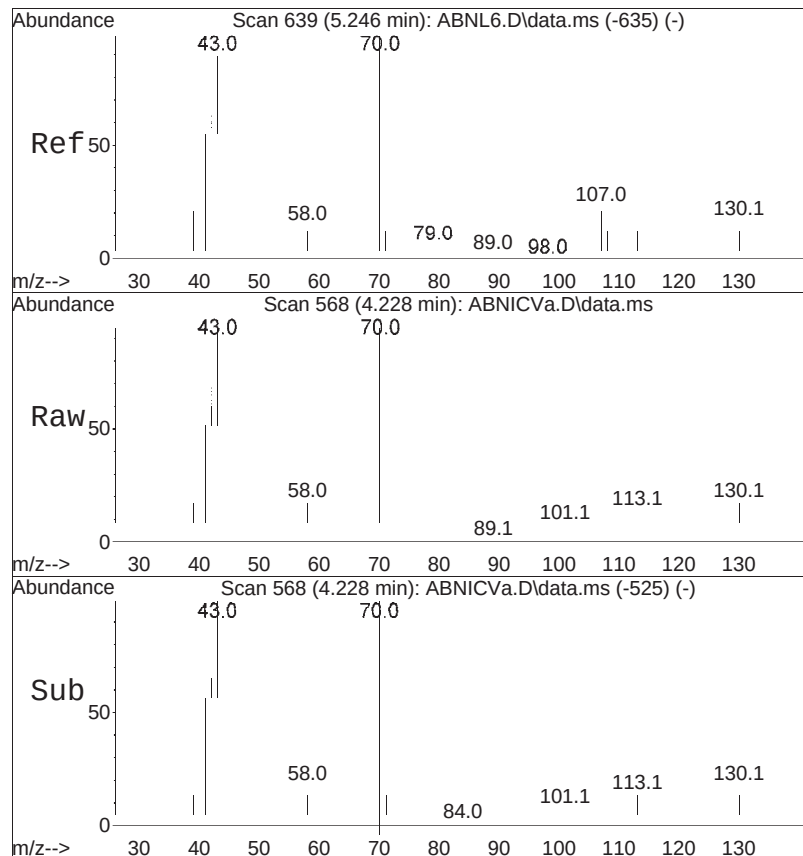




#16
 Hexachloroethane
 Concen: 4.85 ug/ml
 RT: 4.252 min Scan# 572
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

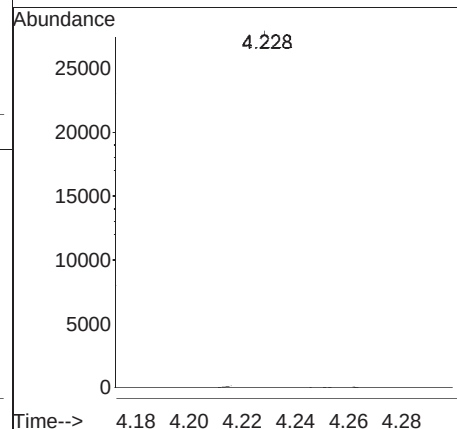
Tgt Ion:	117	Resp:	12843
Ion Ratio	Lower	Upper	
117	100		
201	106.9	64.4	96.6#
199	67.5	40.5	60.7#

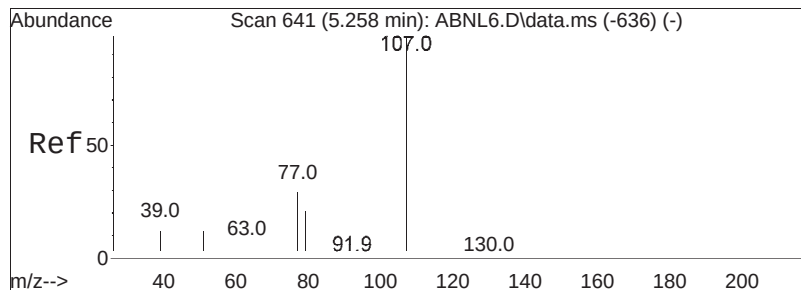




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.93 ug/ml
 RT: 4.228 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

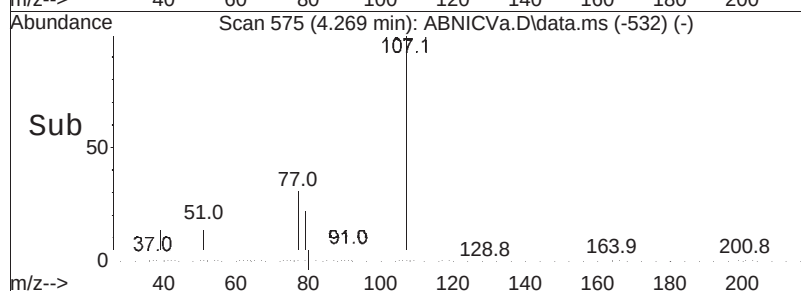
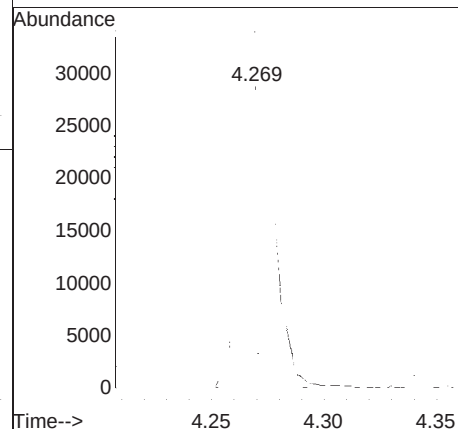
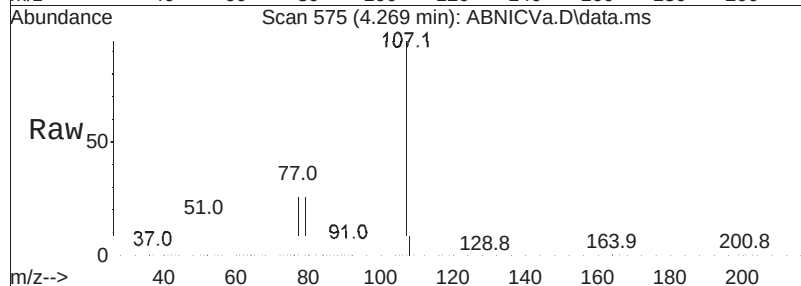
Tgt Ion:	70	Resp:	22624
Ion Ratio	Lower	Upper	
70	100		
130	17.4	16.2	24.4
101	7.9	7.6	11.4

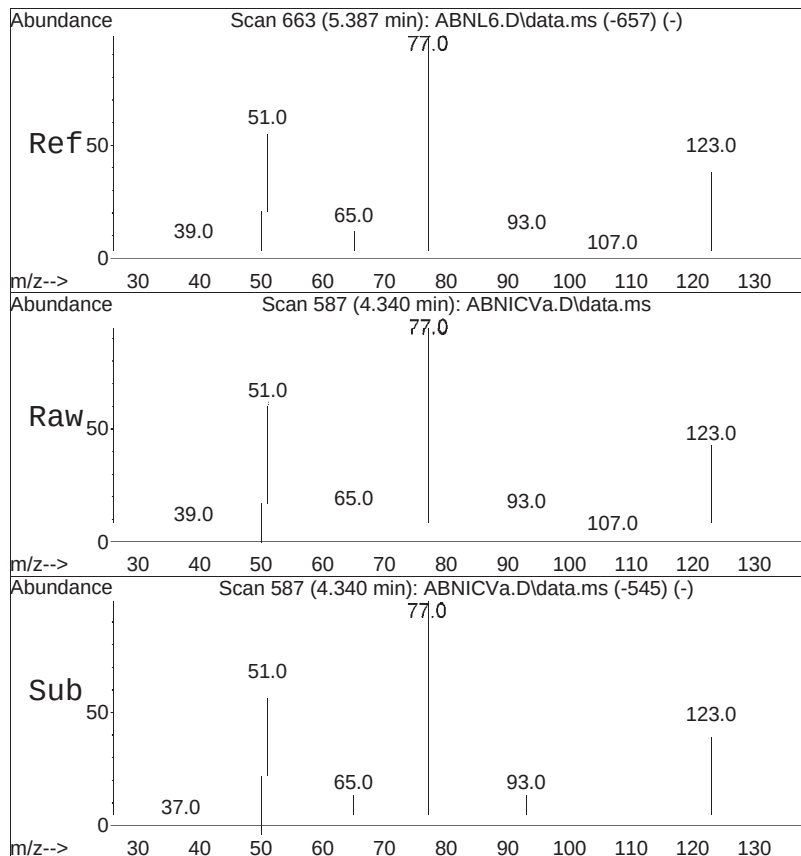




#18
 3-Methylphenol/4-Methylphenol
 Concen: 5.08 ug/ml
 RT: 4.269 min Scan# 575
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

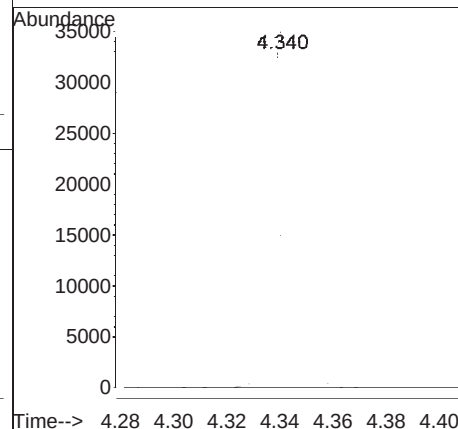
Tgt Ion	Ratio	Resp	Lower	Upper
108	100	28667		
107	115.4		88.8	133.2
90	11.6		9.0	13.6

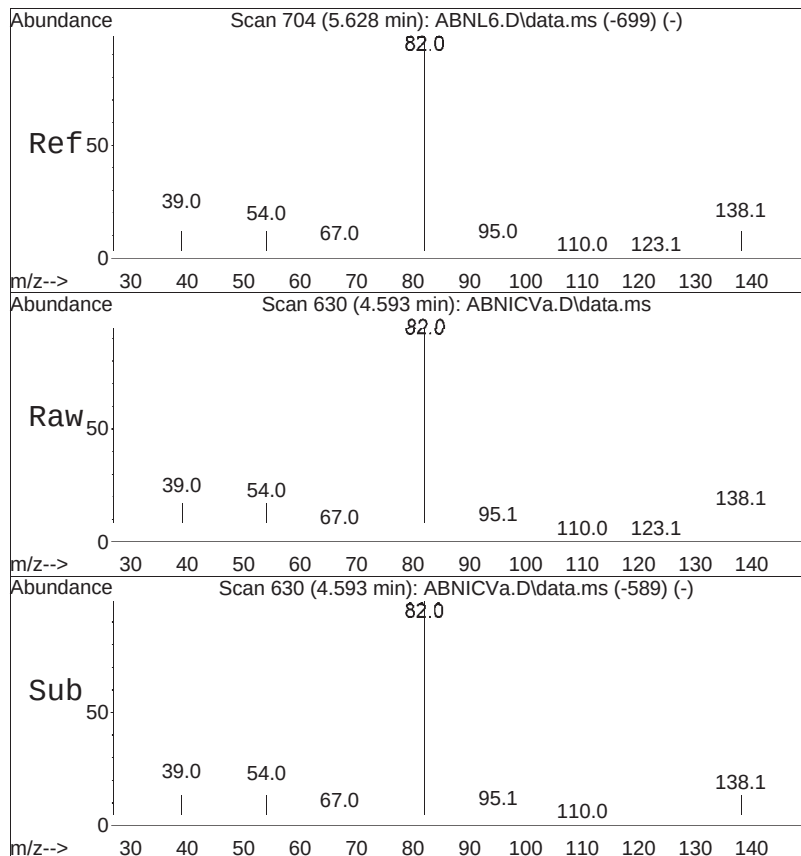




#20
 Nitrobenzene
 Concen: 5.03 ug/ml
 RT: 4.340 min Scan# 587
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

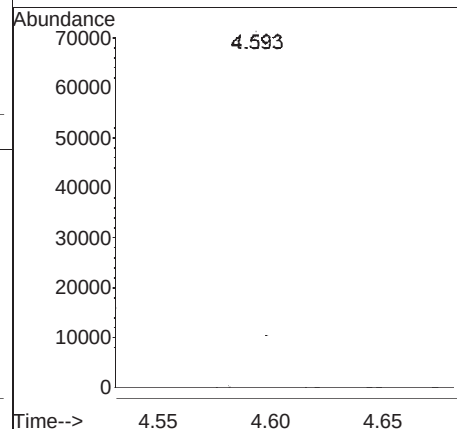
Tgt Ion:	77	Resp:	31417
Ion Ratio	Lower	Upper	
77	100		
123	42.5	37.3	55.9
65	13.7	10.9	16.3

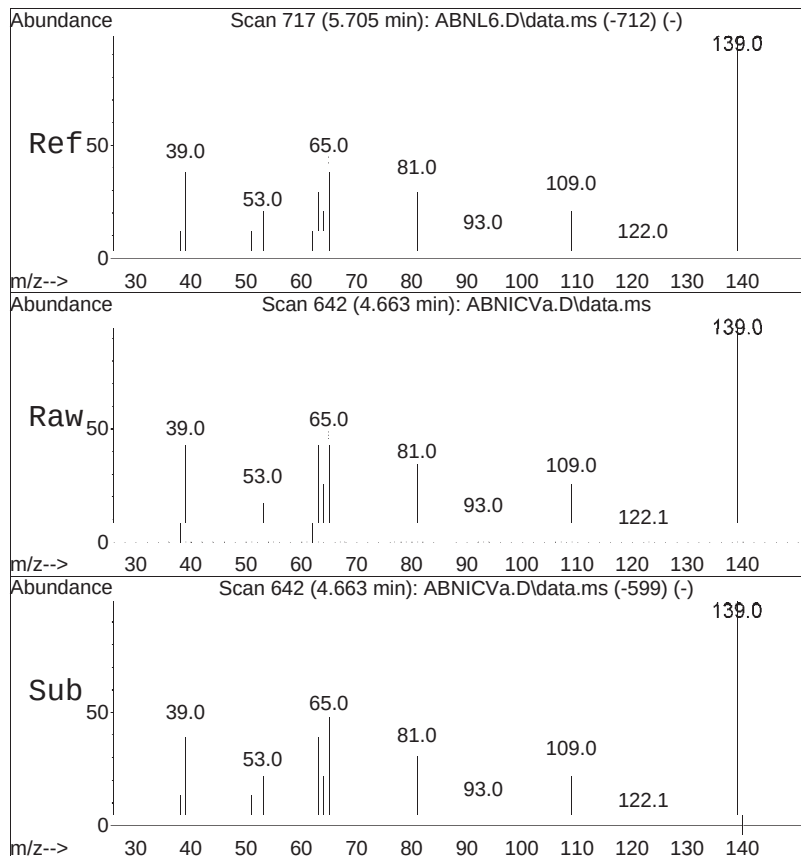




#21
 Isophorone
 Concen: 4.99 ug/ml
 RT: 4.593 min Scan# 630
 Delta R.T. -0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

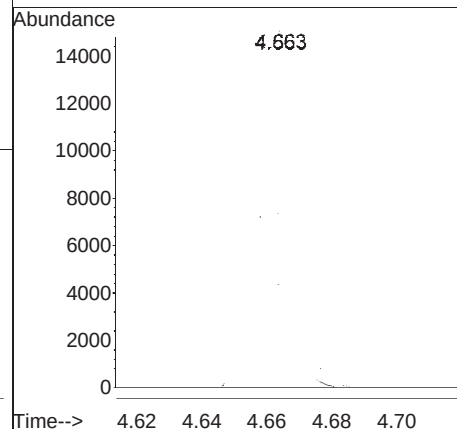
Tgt Ion	Ratio	Lower	Upper
82	100		
138	15.1	13.0	19.4
95	6.8	5.5	8.3

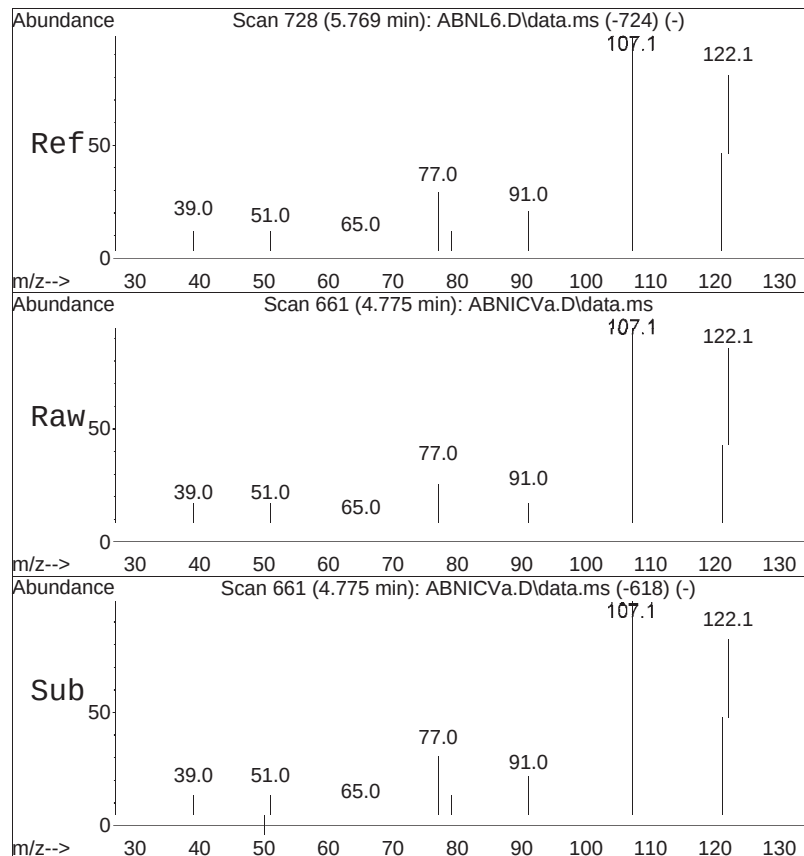




#22
 2-Nitrophenol
 Concen: 3.89 ug/ml
 RT: 4.663 min Scan# 642
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

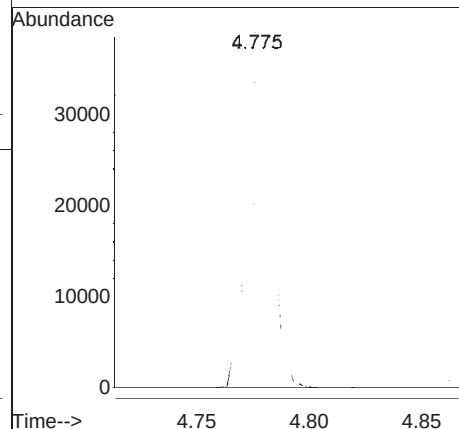
Tgt Ion:	139	Resp:	12969
Ion Ratio	Lower	Upper	
139	100		
109	28.5	23.1	34.7
65	51.4	41.4	62.2

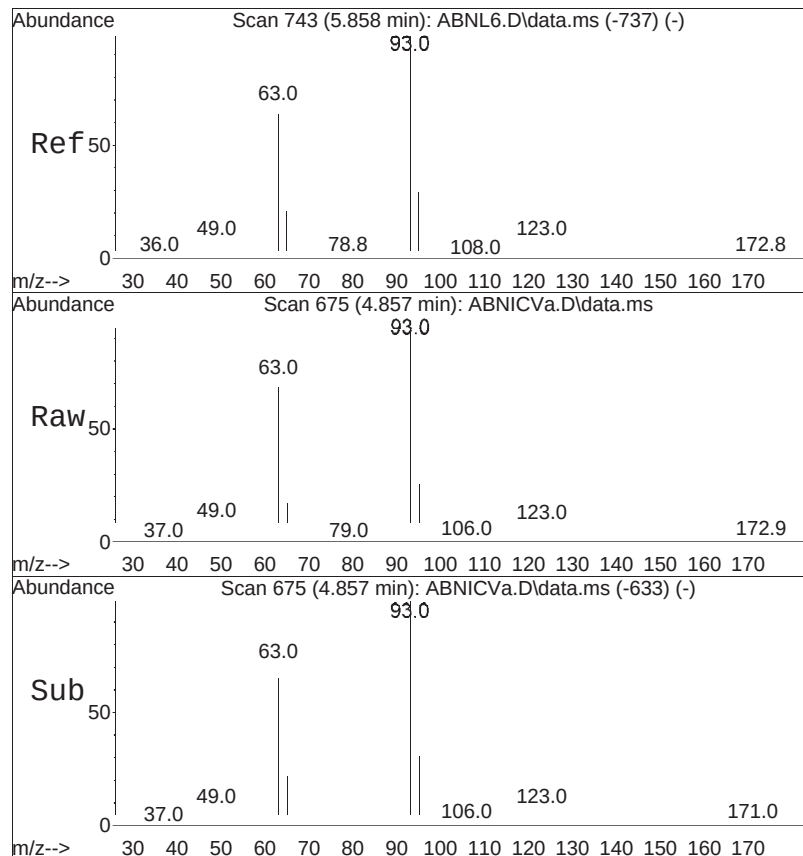




#23
 2,4-Dimethylphenol
 Concen: 4.69 ug/ml
 RT: 4.775 min Scan# 661
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

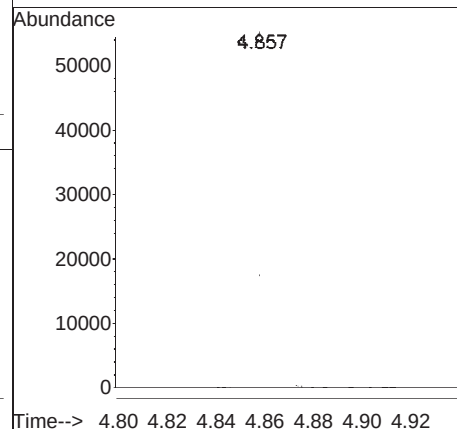
Tgt Ion:	107	Resp:	31435
Ion Ratio	Lower	Upper	
107	100		
121	51.5	41.3	61.9
122	86.0	69.3	103.9

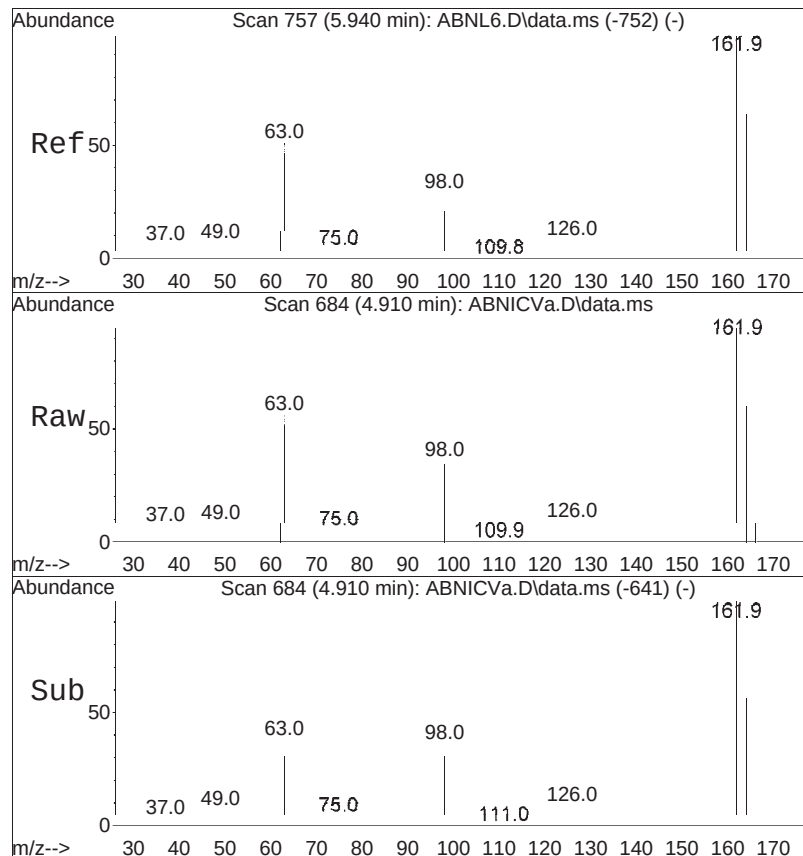




#24
 Bis(2-chloroethoxy)methane
 Concen: 5.05 ug/ml
 RT: 4.857 min Scan# 675
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

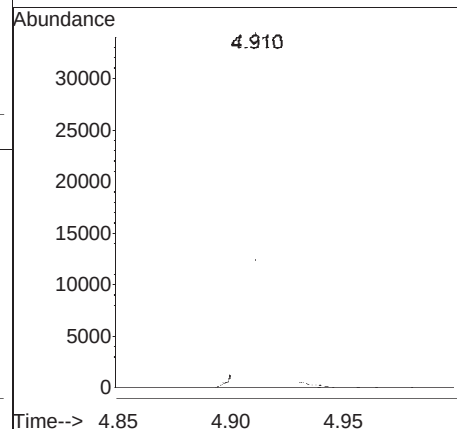
Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	9.2	9.6	14.4

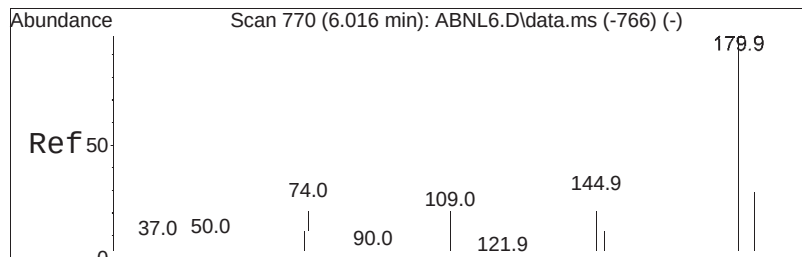




#25
 2,4-Dichlorophenol
 Concen: 4.65 ug/ml
 RT: 4.910 min Scan# 684
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	162	Resp:	27593
Ion Ratio	Lower	Upper	
162	100		
164	64.7	51.1	76.7
98	35.5	32.2	48.2





#26

1,2,4-Trichlorobenzene

Concen: 4.81 ug/ml

RT: 4.975 min Scan# 695

Delta R.T. 0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

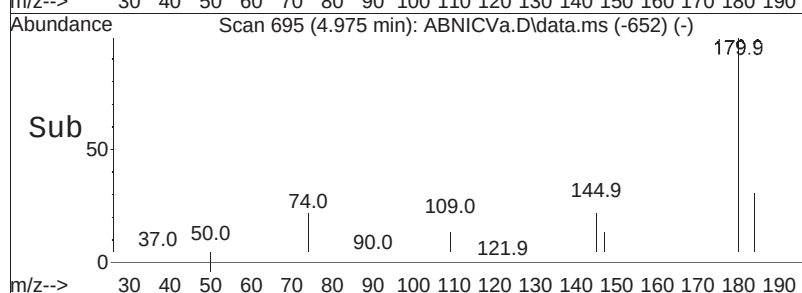
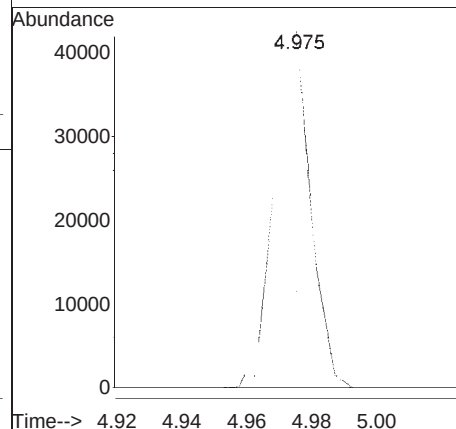
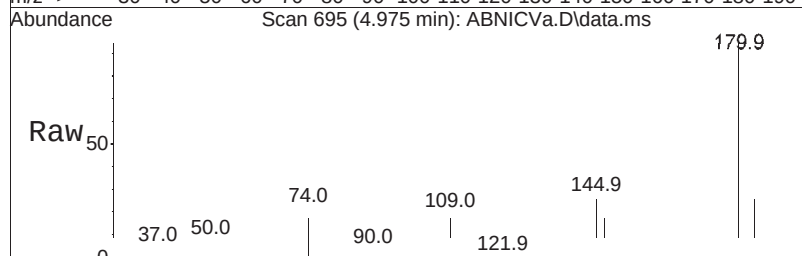
Tgt Ion:180 Resp: 32858

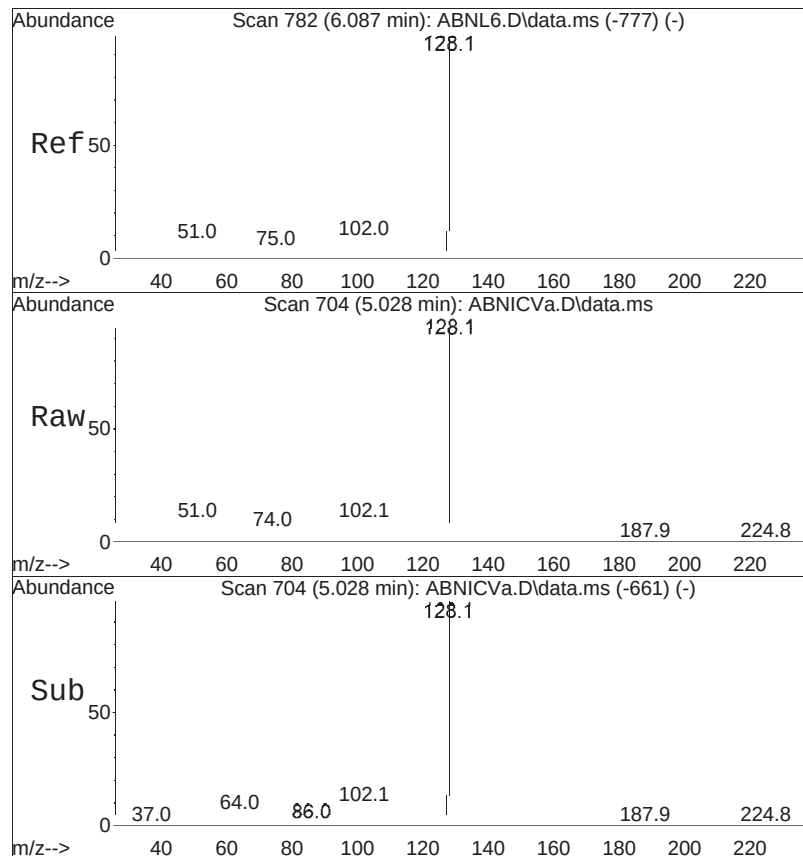
Ion Ratio Lower Upper

180 100

182 96.9 75.8 113.8

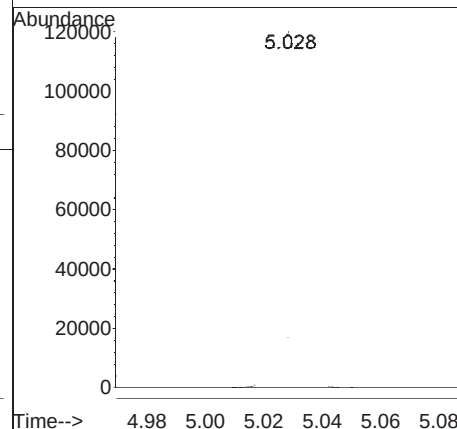
145 28.3 26.3 39.5

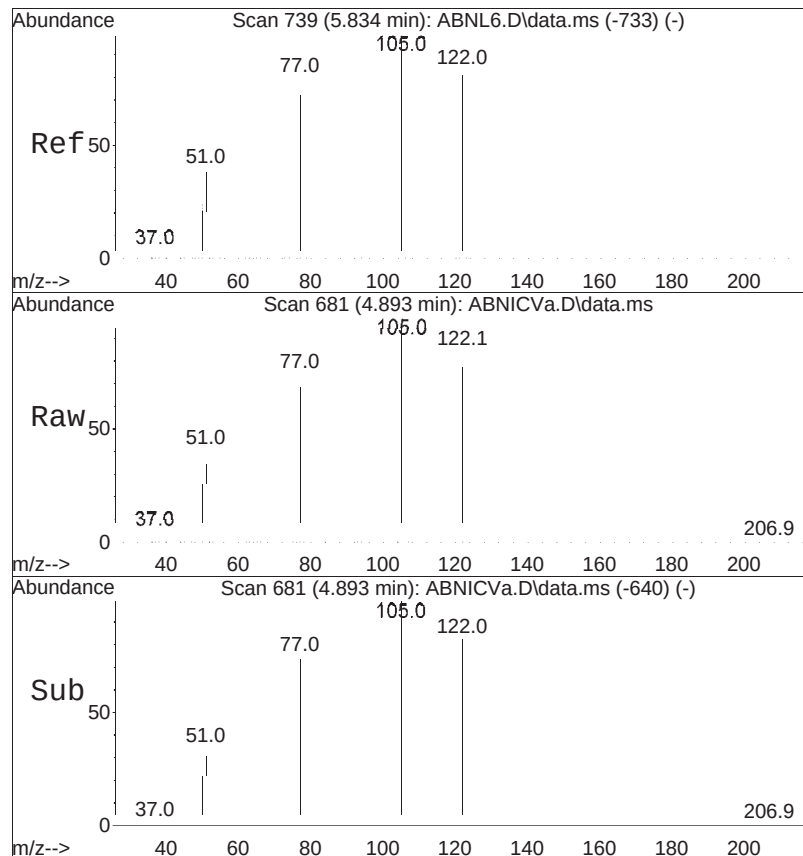




#36
 Naphthalene
 Concen: 4.77 ug/ml
 RT: 5.028 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

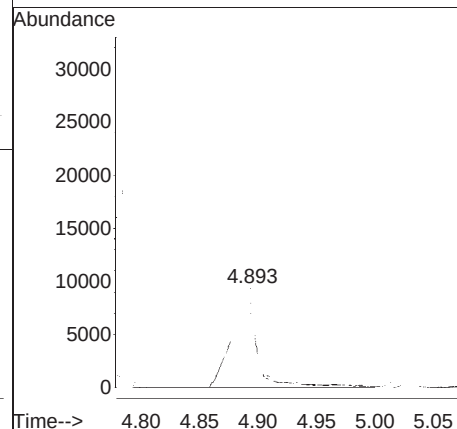
Tgt Ion	Ratio	Resp: Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.7	10.6	15.8

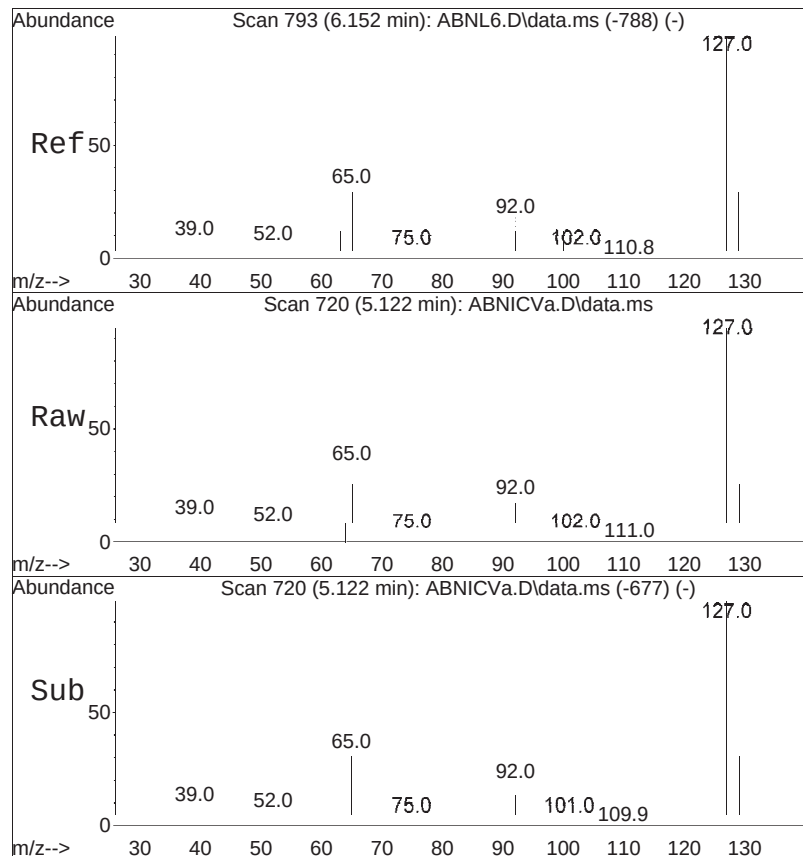




#37
 Benzoic Acid
 Concen: 4.08 ug/ml
 RT: 4.893 min Scan# 681
 Delta R.T. -0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

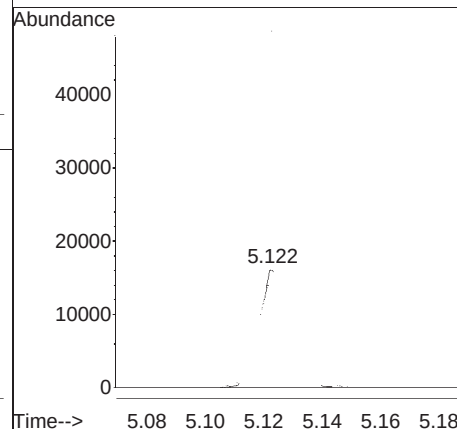
Tgt Ion:	105	Resp:	15810
Ion Ratio	Lower	Upper	
105	100		
122	79.2	62.6	93.8
77	74.4	59.1	88.7

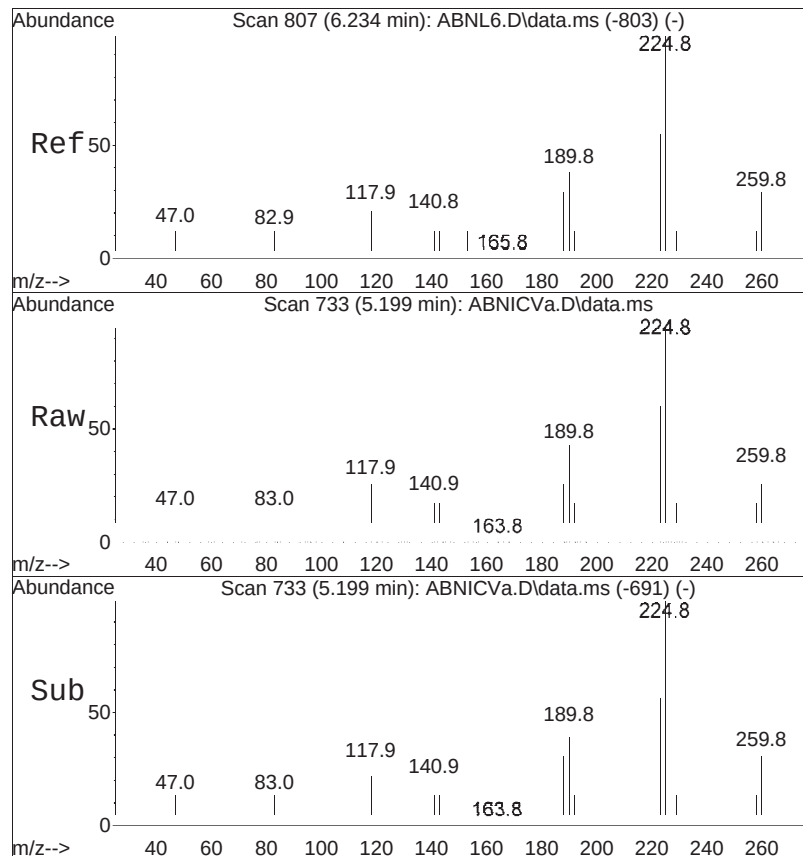




#38
 4-Chloroaniline
 Concen: 5.04 ug/ml
 RT: 5.122 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

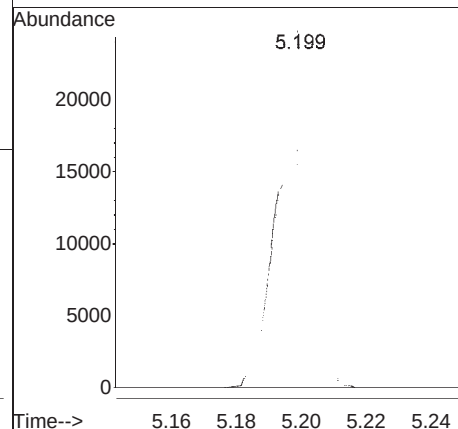
Tgt Ion	Ratio	Lower	Upper
65	100		
127	312.3	266.2	399.4
129	102.5	85.0	127.4

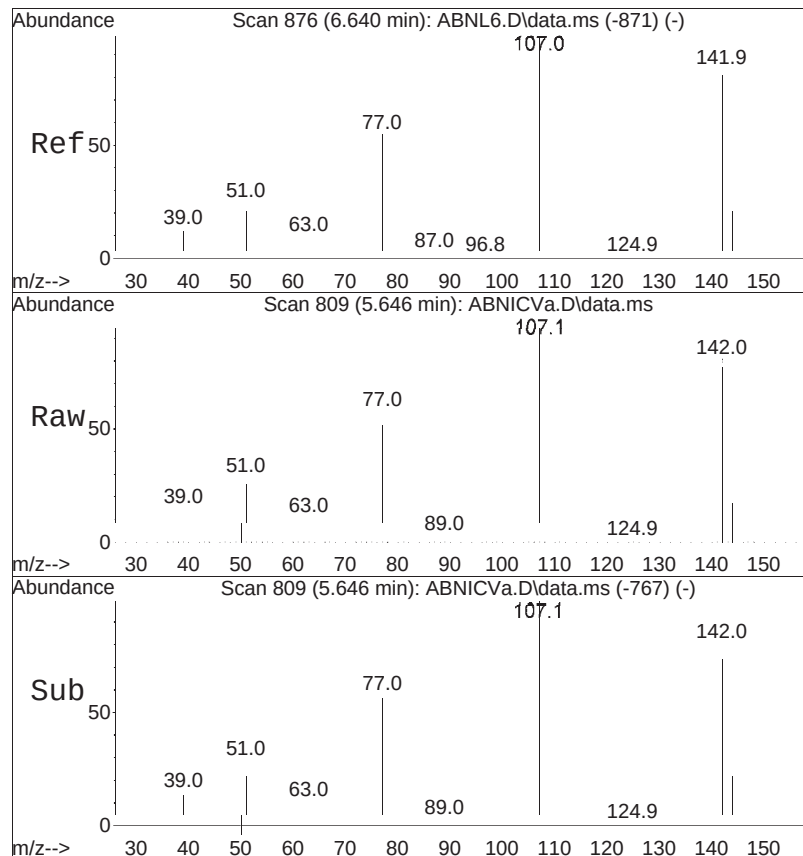




#39
 Hexachlorobutadiene
 Concen: 4.57 ug/ml
 RT: 5.199 min Scan# 733
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

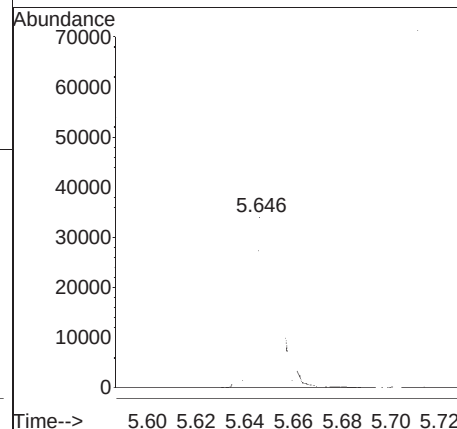
Tgt Ion:	225	Resp:	21224
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.5	75.7
227	64.6	50.4	75.6

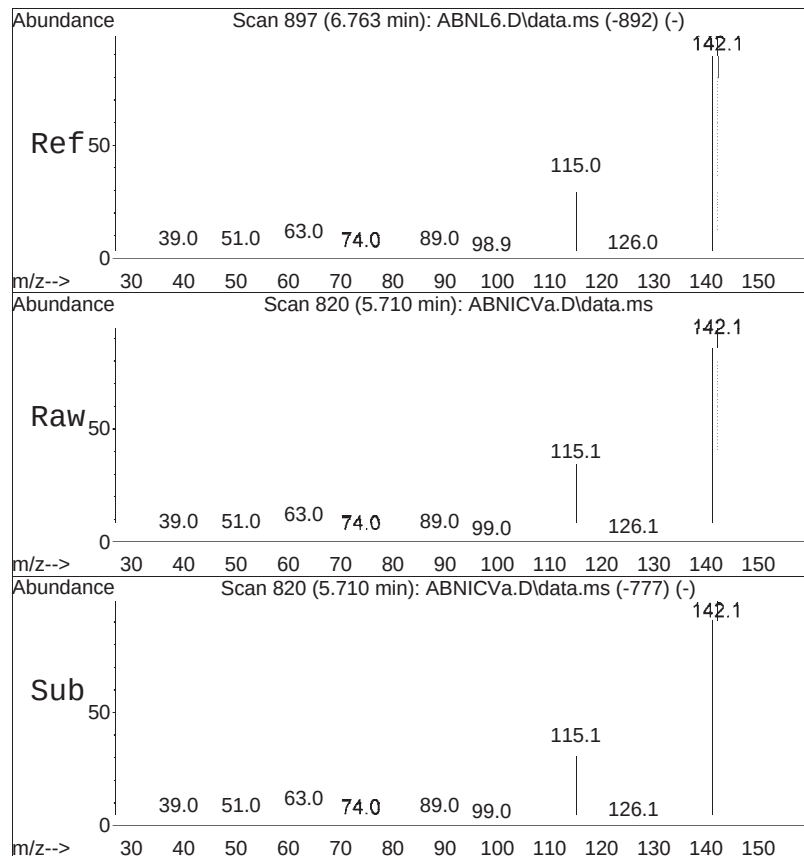




#40
 p-Chloro-m-cresol
 Concen: 4.82 ug/ml
 RT: 5.646 min Scan# 809
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

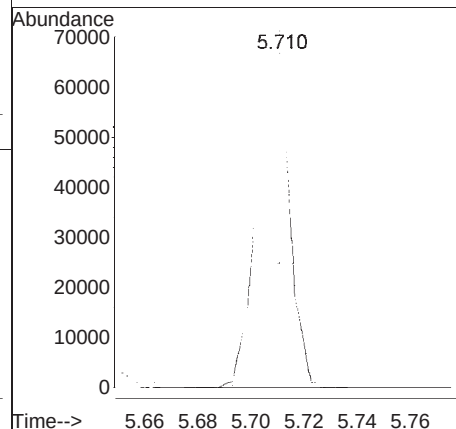
Tgt Ion:	107	Resp:	29121
Ion Ratio	Lower	Upper	
107	100		
144	25.5	20.3	30.5
142	81.6	63.8	95.6

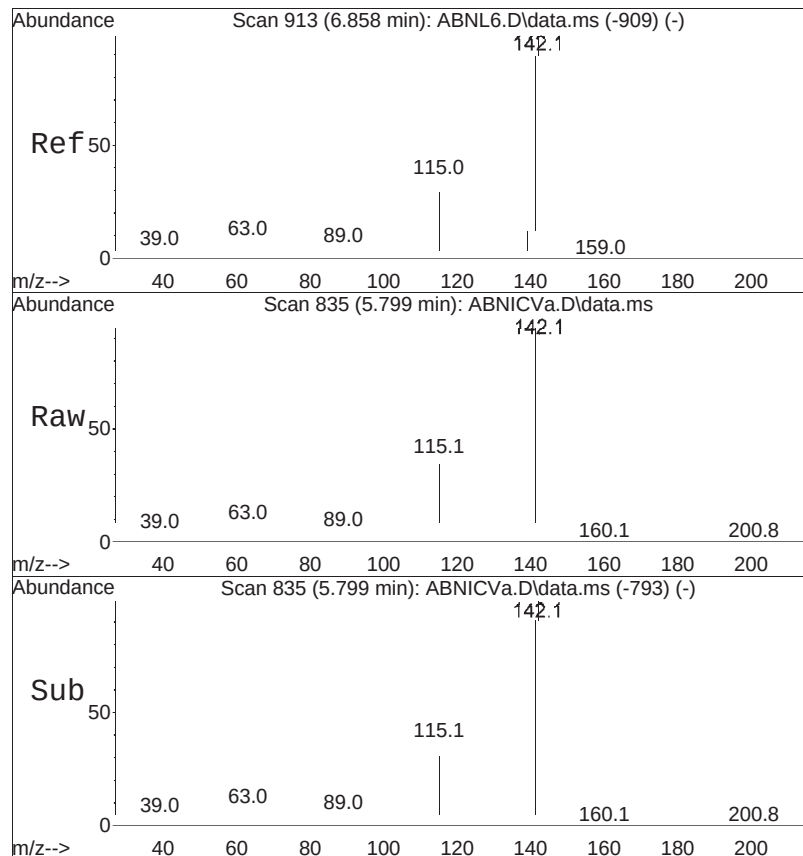




#41
 2-Methylnaphthalene
 Concen: 5.03 ug/ml
 RT: 5.710 min Scan# 820
 Delta R.T. 0.005 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

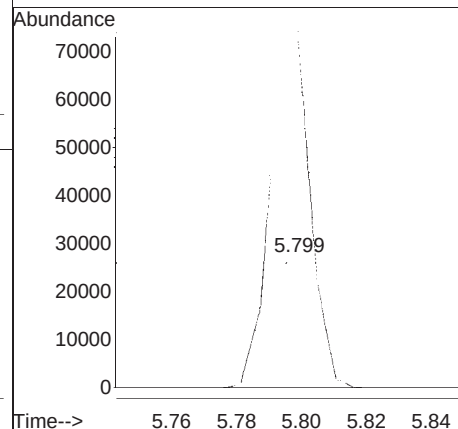
Tgt Ion:	142	Resp:	62250
Ion Ratio	Lower	Upper	
142	100		
141	92.9	72.2	108.4
115	35.1	27.8	41.6

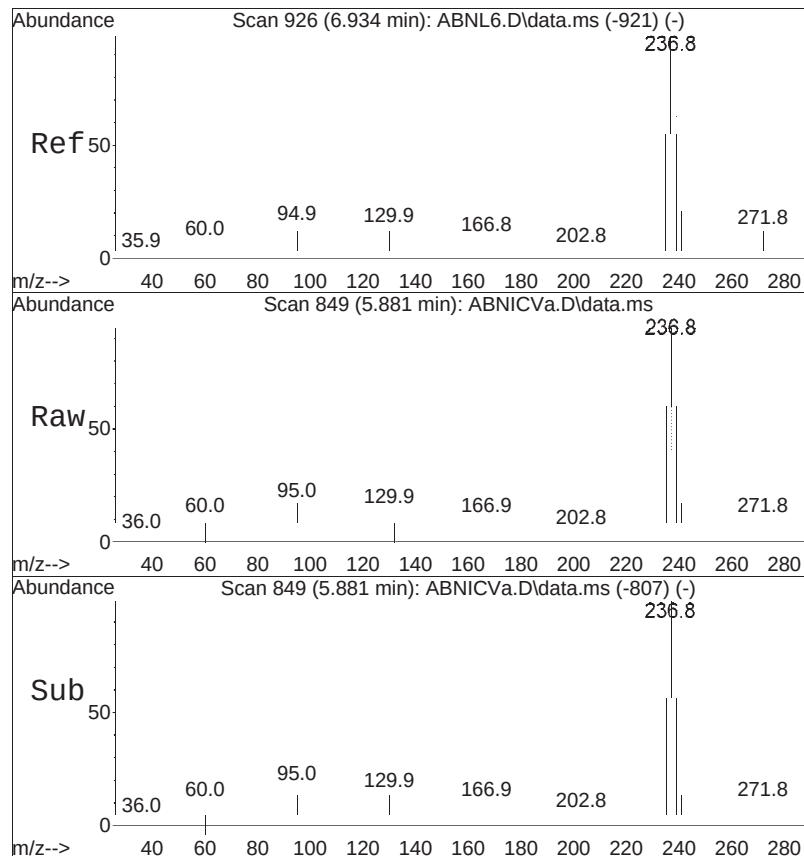




#42
 1-Methylnaphthalene
 Concen: 4.80 ug/ml
 RT: 5.799 min Scan# 835
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

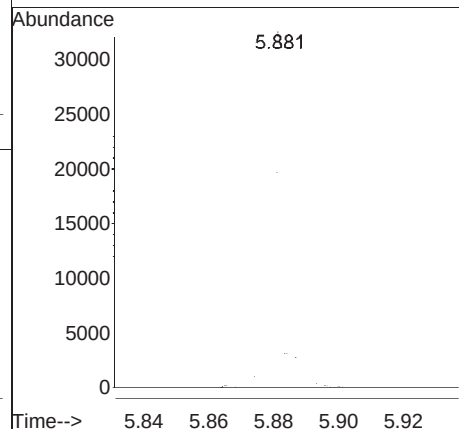
Tgt Ion:	115	Resp:	23773
Ion Ratio	Lower	Upper	
115	100		
141	261.2	205.4	308.2
142	271.4	220.2	330.4

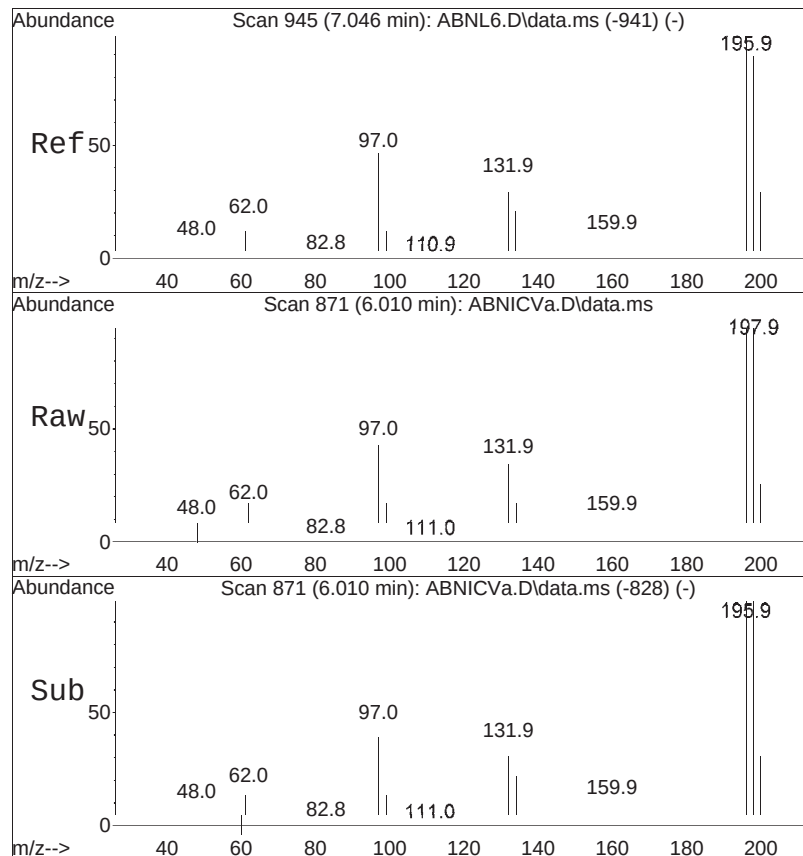




#43
 Hexachlorocyclopentadiene
 Concen: 4.08 ug/ml
 RT: 5.881 min Scan# 849
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

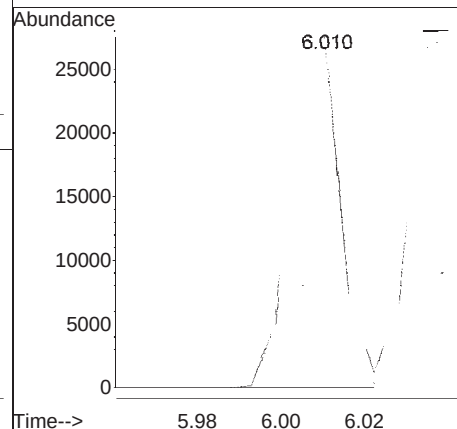
Tgt Ion:	237	Resp:	24637
Ion Ratio	Lower	Upper	
237	100		
235	61.9	50.9	76.3
272	11.6	10.1	15.1

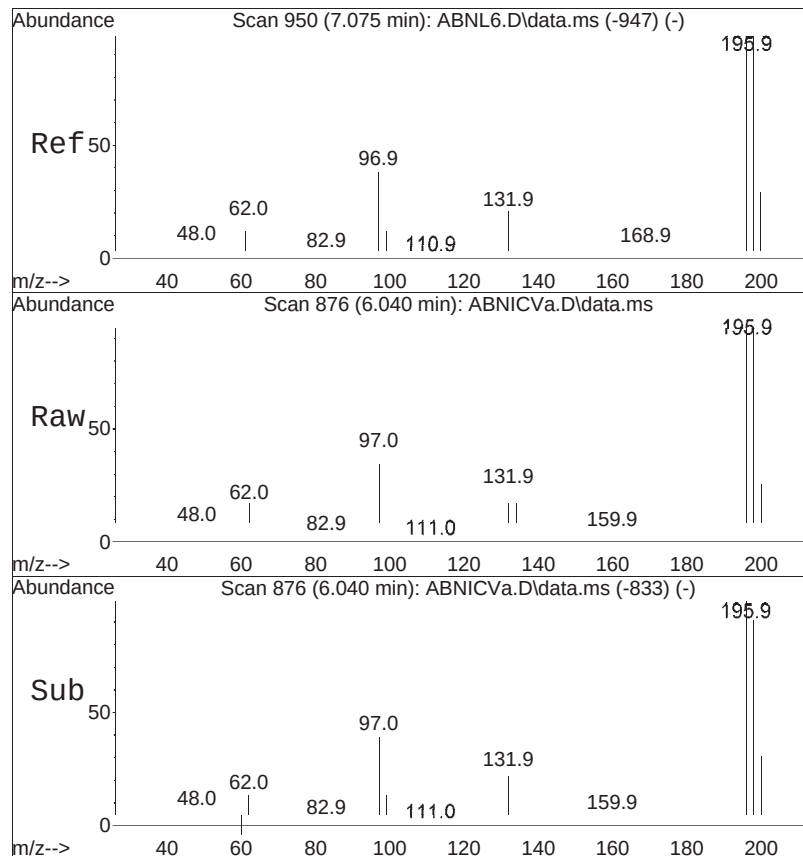




#44
 2,4,6-Trichlorophenol
 Concen: 4.08 ug/ml
 RT: 6.010 min Scan# 871
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

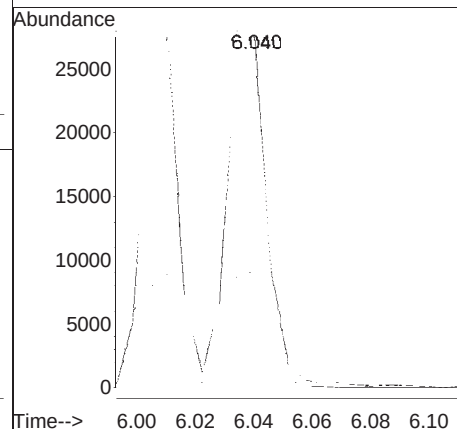
Tgt Ion:	196	Resp:	23463
Ion Ratio	Lower	Upper	
196	100		
198	96.9	76.4	114.6
200	32.1	24.4	36.6

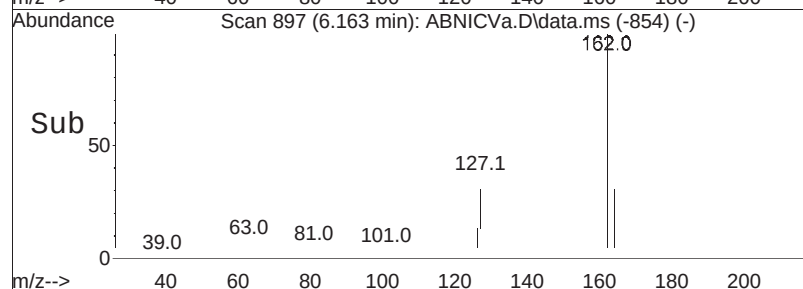
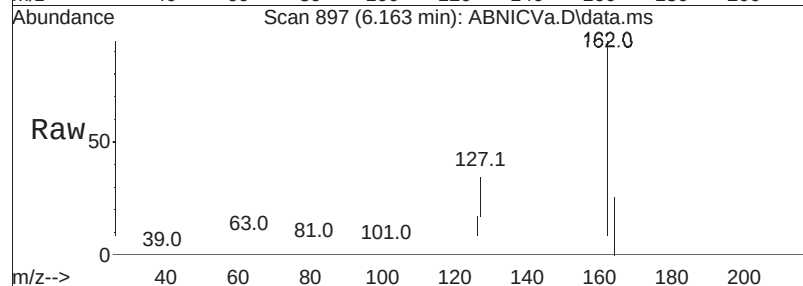
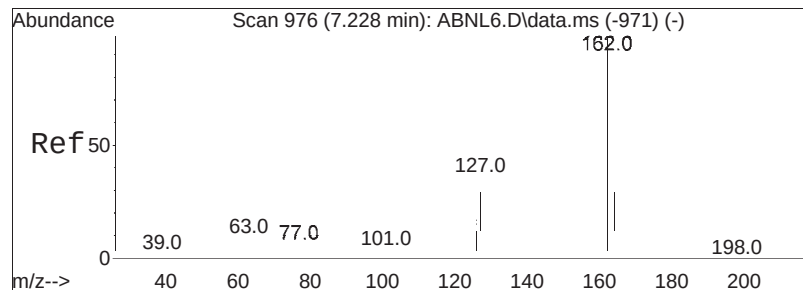




#45
 2,4,5-Trichlorophenol
 Concen: 4.36 ug/ml
 RT: 6.040 min Scan# 876
 Delta R.T. 0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

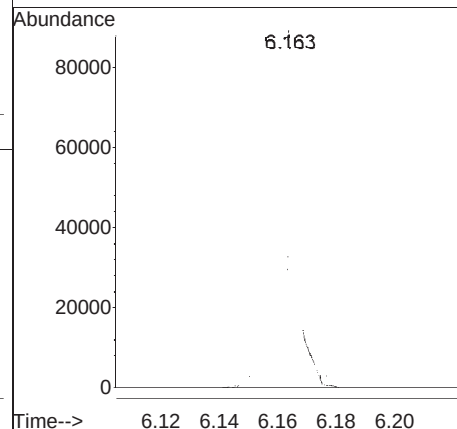
Tgt Ion:	196	Resp:	26328
Ion Ratio	Lower	Upper	
196	100		
200	31.6	24.2	36.4
198	98.7	76.2	114.2

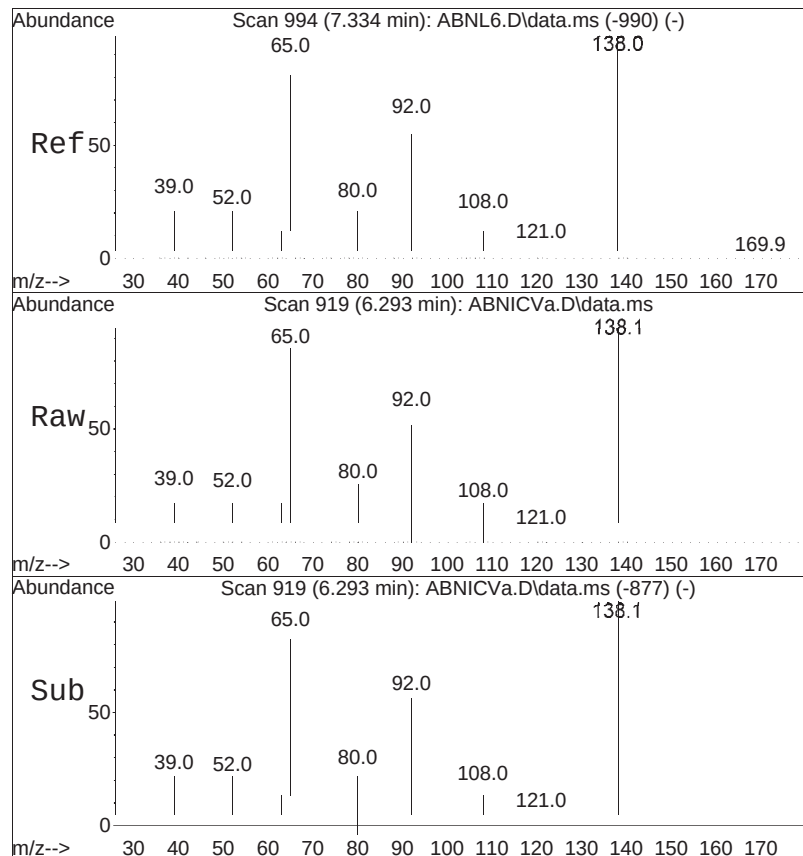




#47
 2-Chloronaphthalene
 Concen: 4.97 ug/ml
 RT: 6.163 min Scan# 897
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

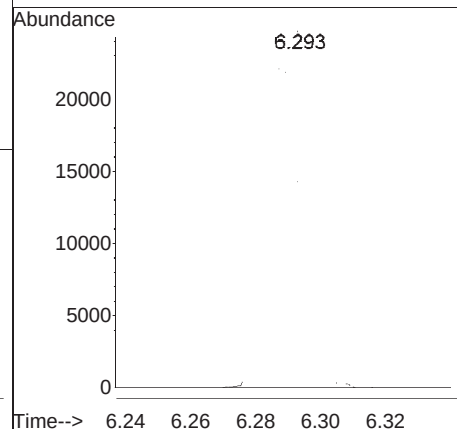
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	71680		
127	37.4		33.8	50.6
164	33.3		25.8	38.6

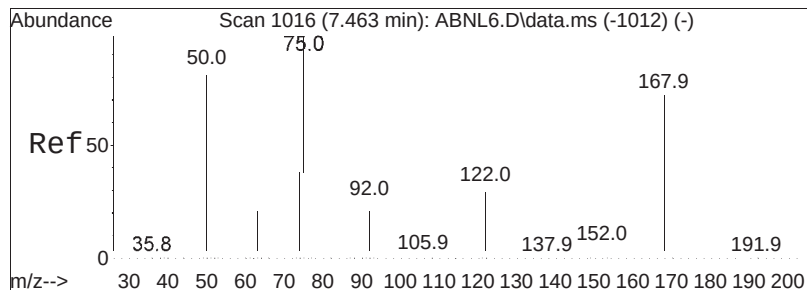




#48
 2-Nitroaniline
 Concen: 4.19 ug/ml
 RT: 6.293 min Scan# 919
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	138	Resp:	19803
Ion Ratio	Lower	Upper	
138	100		
92	63.9	52.1	78.1
65	97.2	75.9	113.9





#49

1,4-Dinitrobenzene

Concen: 4.11 ug/ml

RT: 6.428 min Scan# 942

Delta R.T. 0.000 min

Lab File: ABNICVa.D

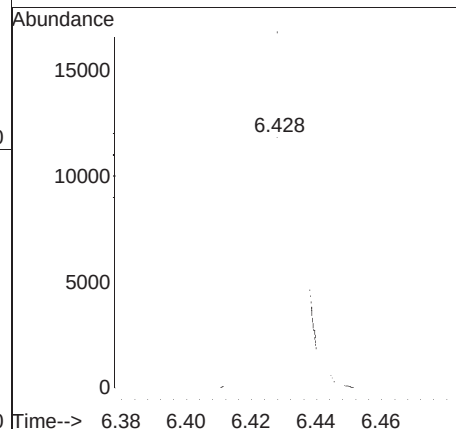
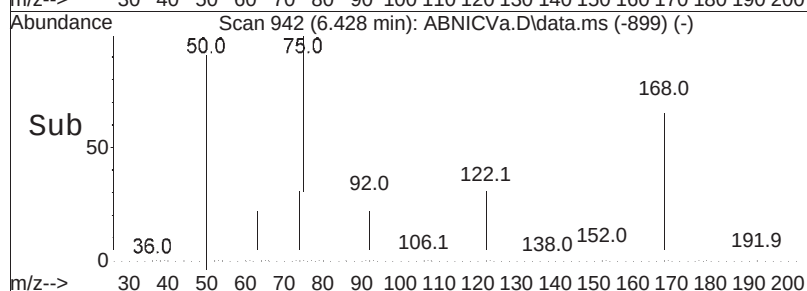
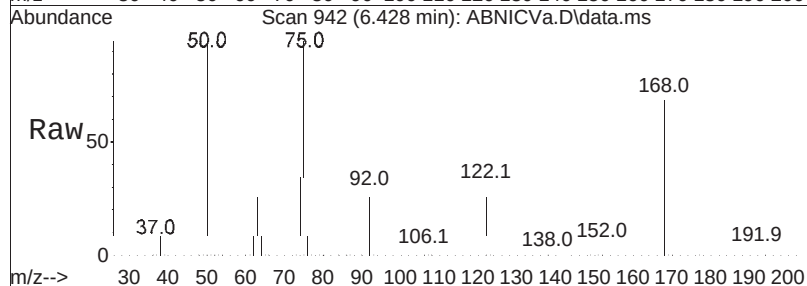
Acq: 18 Aug 2025 06:27 am

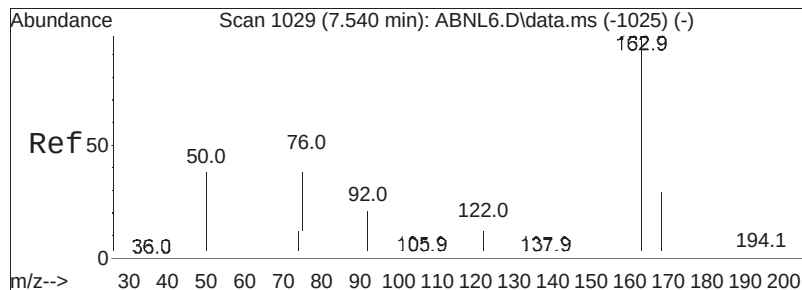
Tgt Ion:168 Resp: 9662

Ion Ratio Lower Upper

168 100

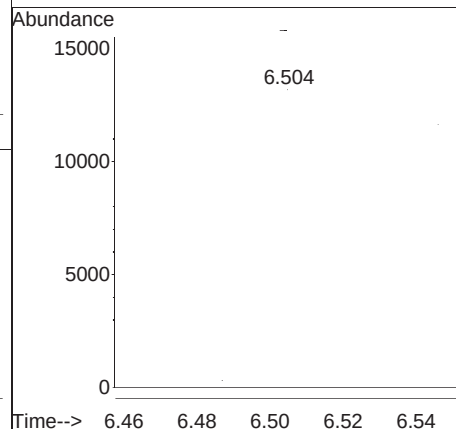
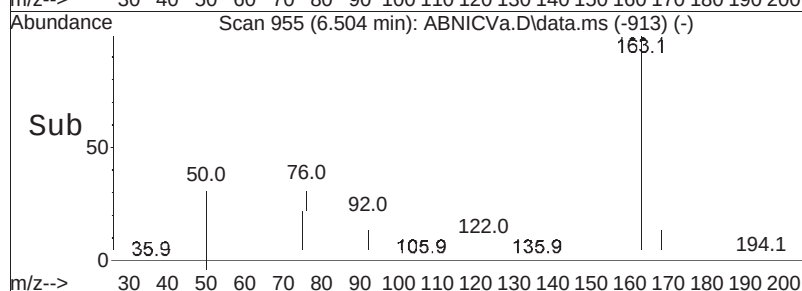
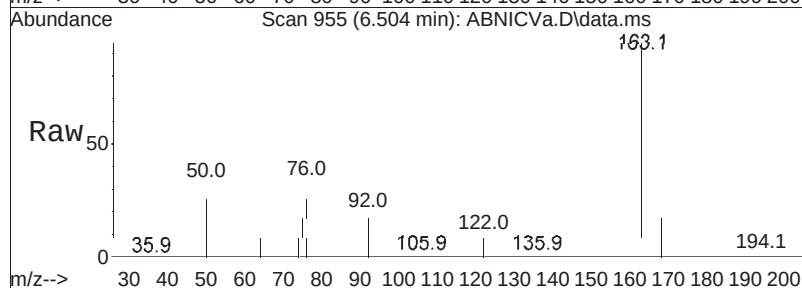
75 132.6 111.0 166.4

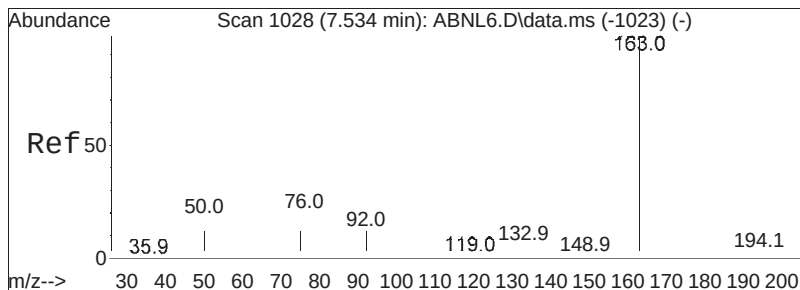




#50
 1,3-Dinitrobenzene
 Concen: 4.07 ug/ml
 RT: 6.504 min Scan# 955
 Delta R.T. -0.001 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

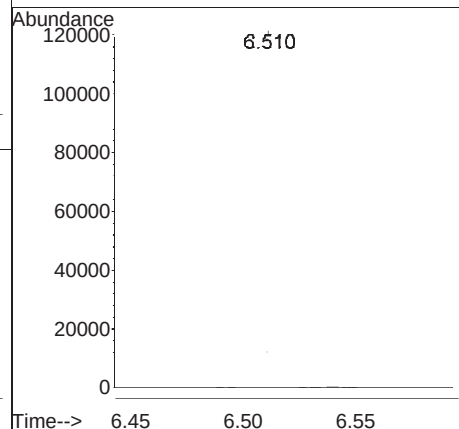
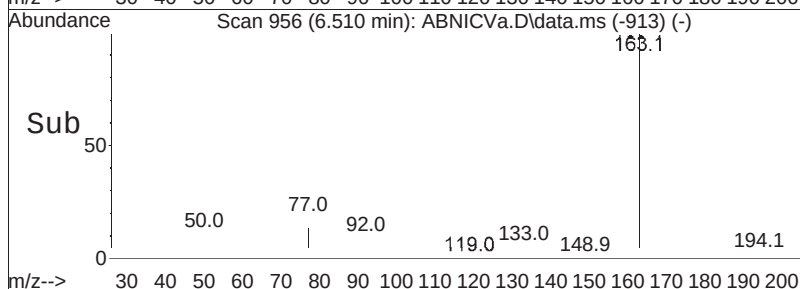
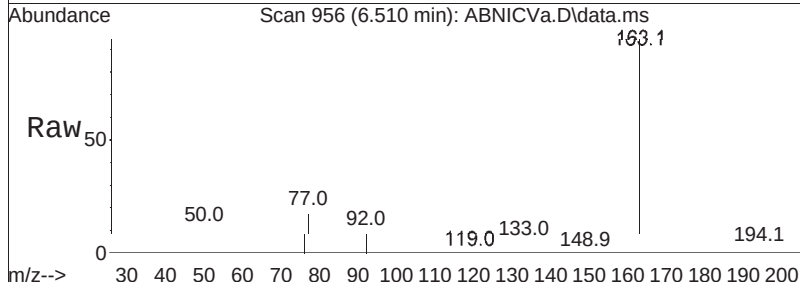
Tgt Ion	Ratio	Lower	Upper
168	100		
75	148.6	116.4	174.6

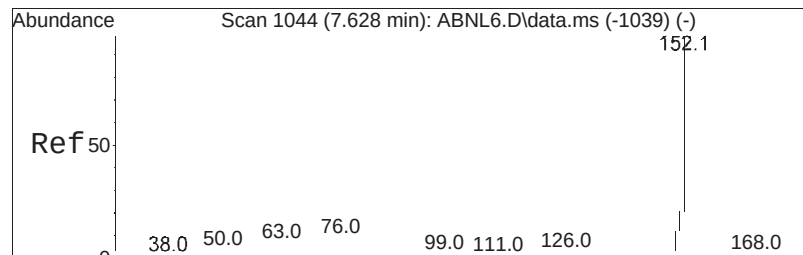




#51
 Dimethyl phthalate
 Concen: 5.11 ug/ml
 RT: 6.510 min Scan# 956
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	163	Resp:	93469
Ion Ratio	Lower	Upper	
163	100		
194	2.7	2.3	3.5
164	10.5	8.2	12.2





#52

Acenaphthylene

Concen: 5.12 ug/ml

RT: 6.546 min Scan# 962

Delta R.T. -0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

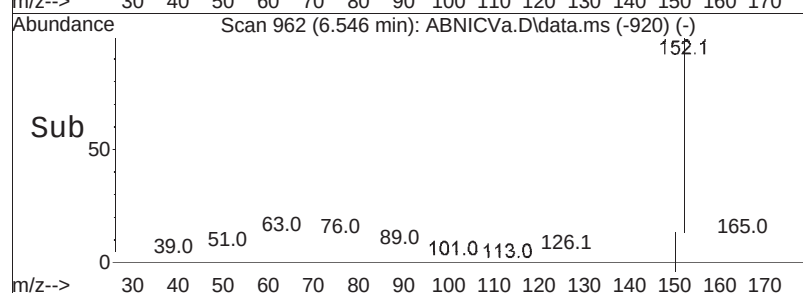
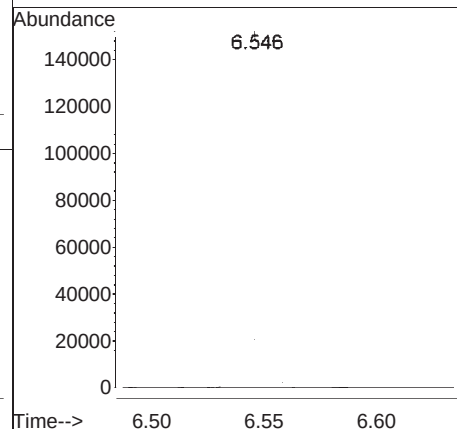
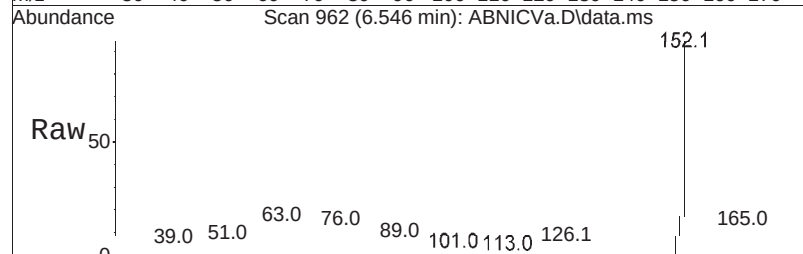
Tgt Ion:152 Resp: 120672

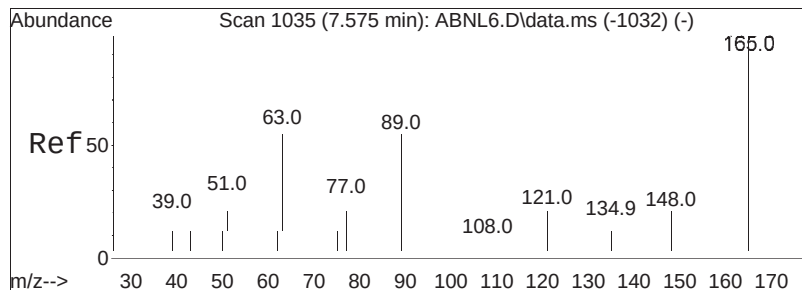
Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

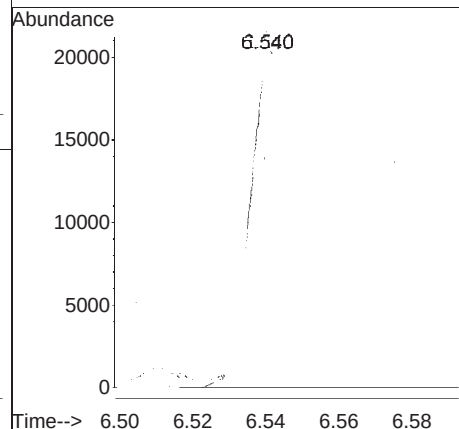
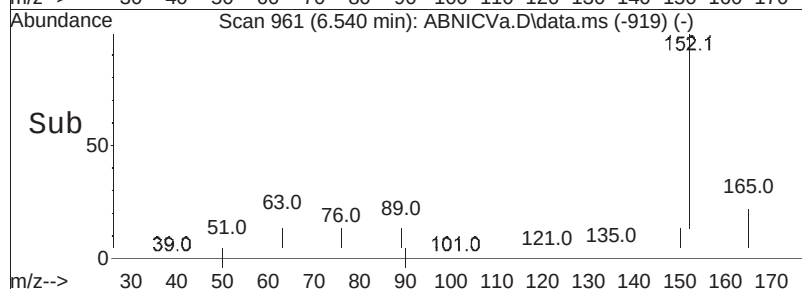
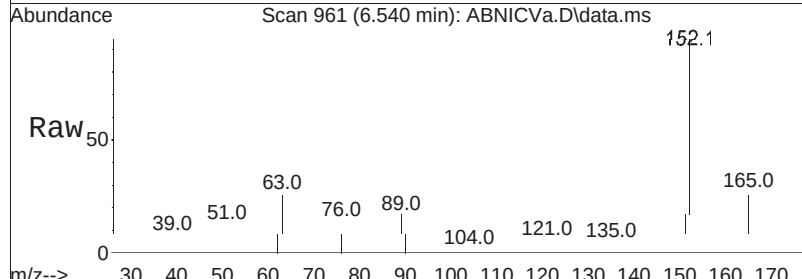
153 13.3 10.5 15.7

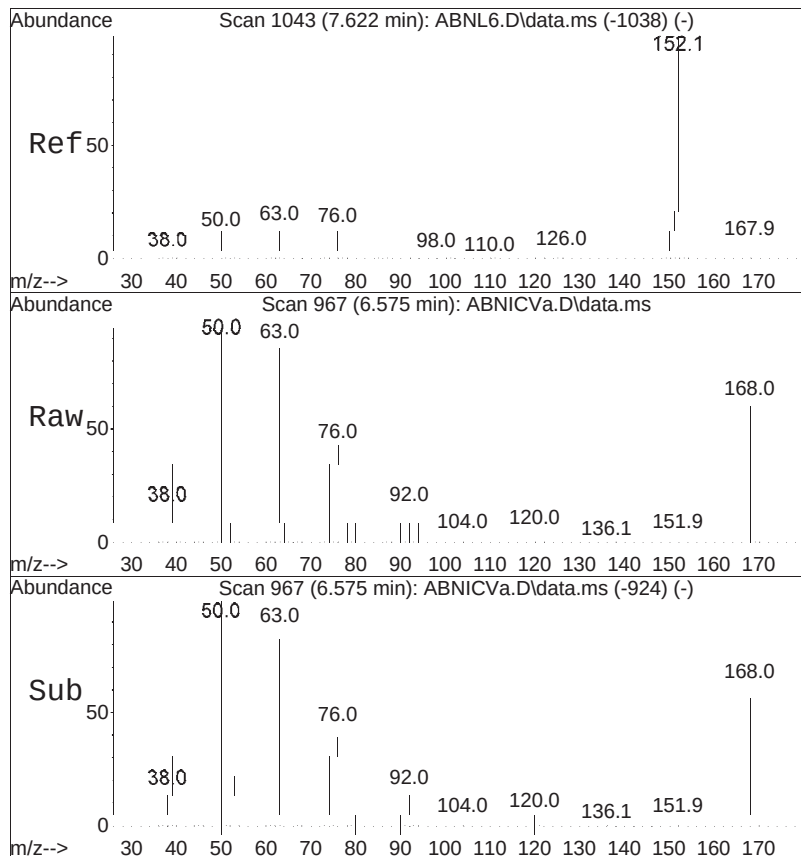




#53
 2,6-Dinitrotoluene
 Concen: 4.19 ug/ml
 RT: 6.540 min Scan# 961
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

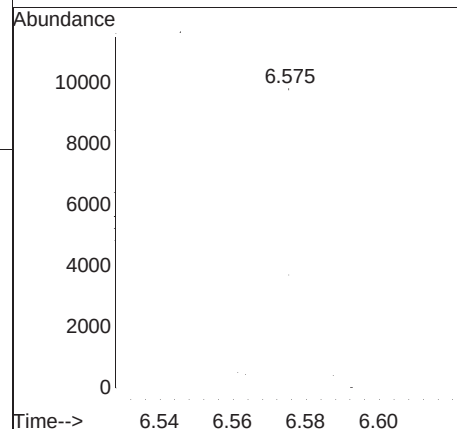
Tgt Ion	Ratio	Lower	Upper
165	100		
89	61.0	48.8	73.2
63	110.6	50.5	75.7#

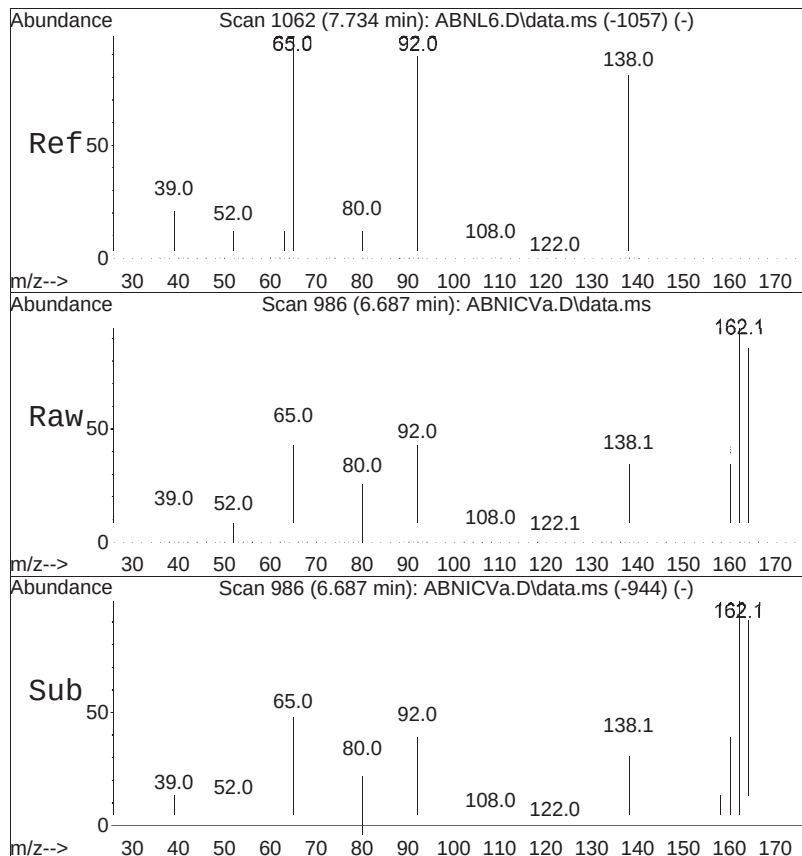




#54
 1,2-Dinitrobenzene
 Concen: 4.27 ug/ml
 RT: 6.575 min Scan# 967
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

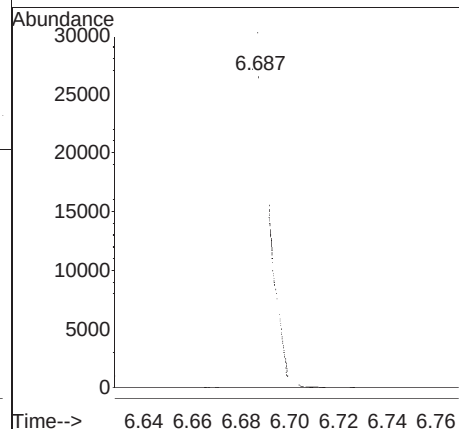
Tgt Ion:168 Resp: 7351
 Ion Ratio Lower Upper
 168 100
 75 131.7 32.2 48.2#

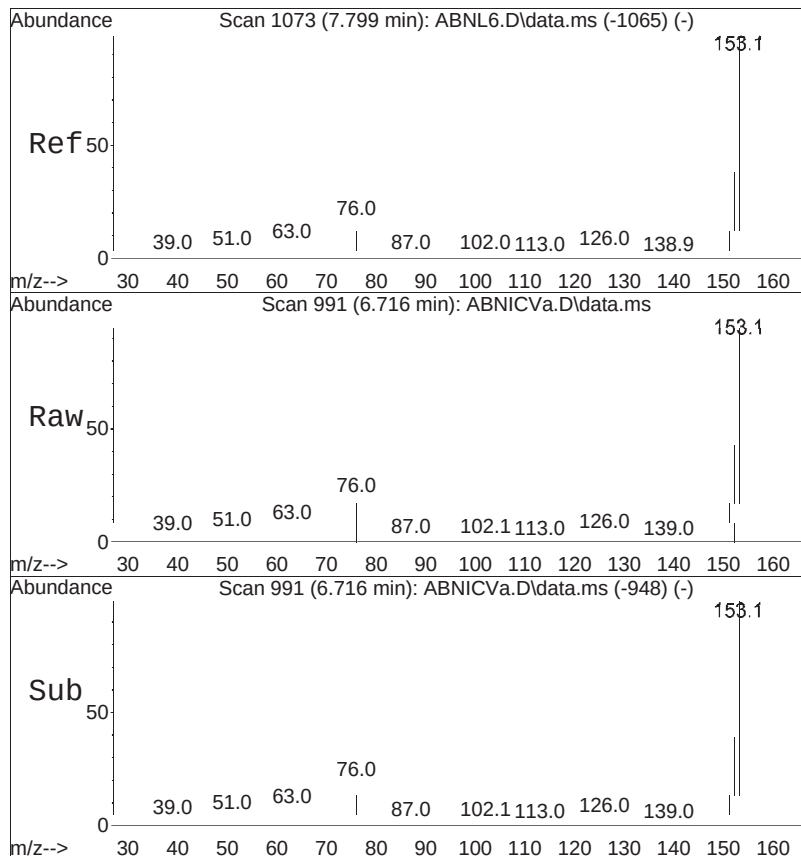




#64
 3-Nitroaniline
 Concen: 4.49 ug/ml
 RT: 6.687 min Scan# 986
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

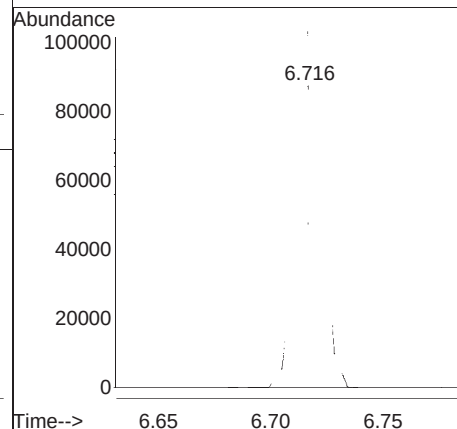
Tgt Ion:138	Resp: 20338
Ion Ratio Lower Upper	
138 100	
92 116.5	92.8 139.2
108 15.7	7.9 11.9#

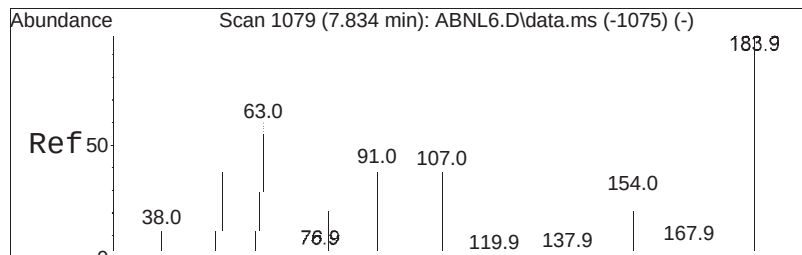




#65
 Acenaphthene
 Concen: 4.91 ug/ml
 RT: 6.716 min Scan# 991
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

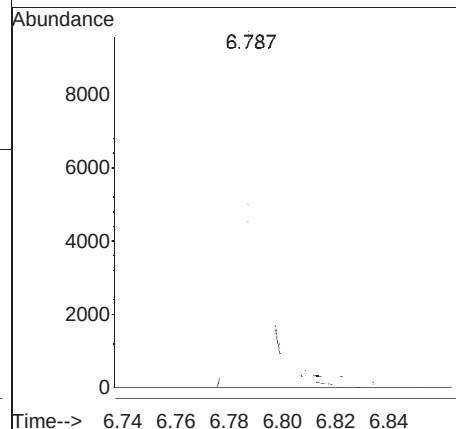
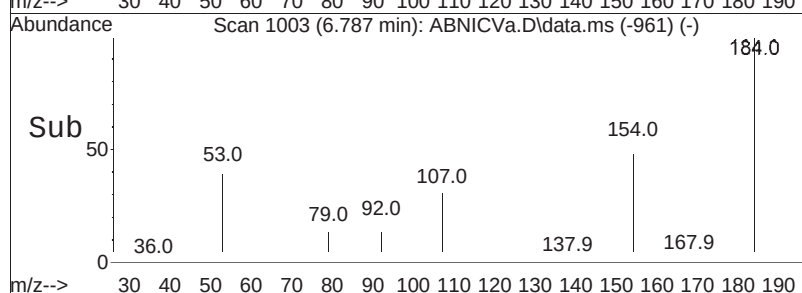
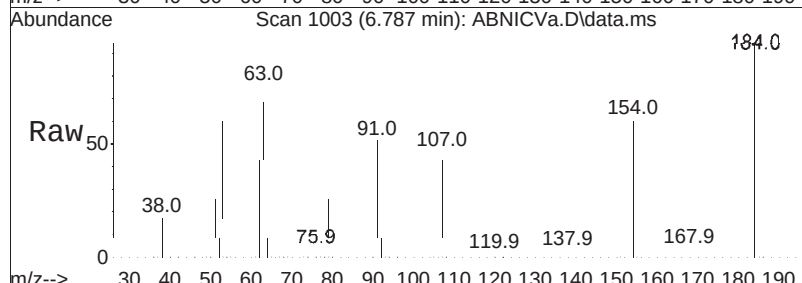
Tgt Ion:	154	Resp:	67786
Ion Ratio	Lower	Upper	
154	100		
153	118.5	93.0	139.4
152	54.7	43.3	64.9

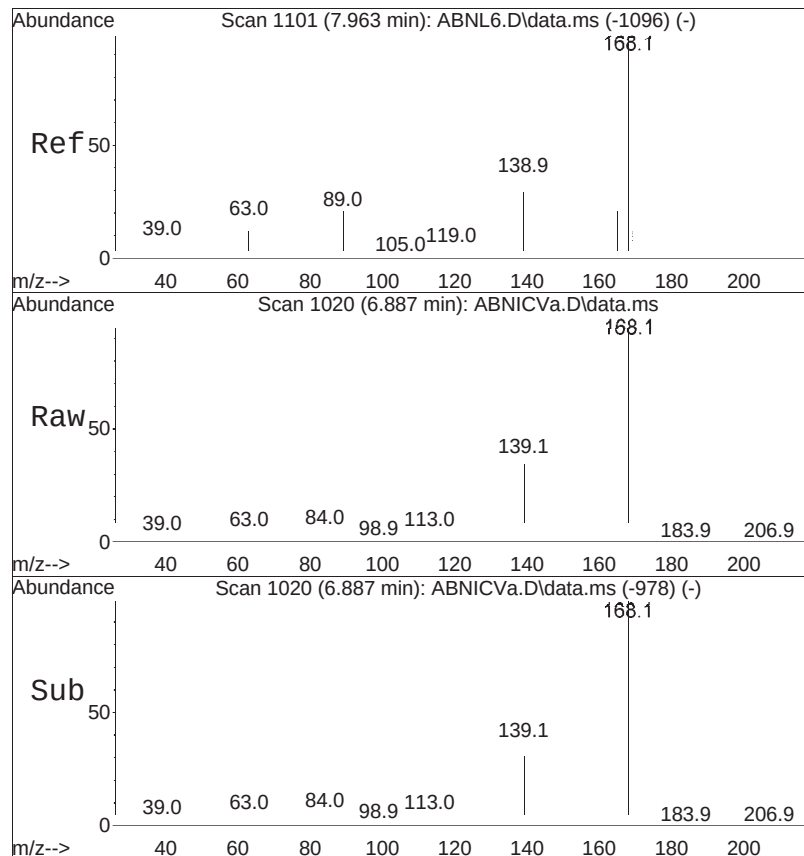




#66
 2,4-Dinitrophenol
 Concen: 3.99 ug/ml
 RT: 6.787 min Scan# 1003
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

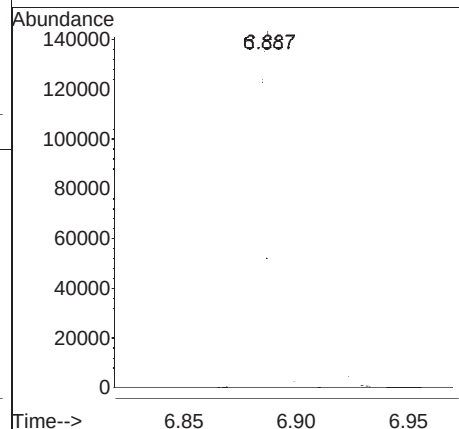
Tgt Ion	Ratio	Lower	Upper
184	100		
107	41.7	41.8	62.6#
91	47.6	44.2	66.2

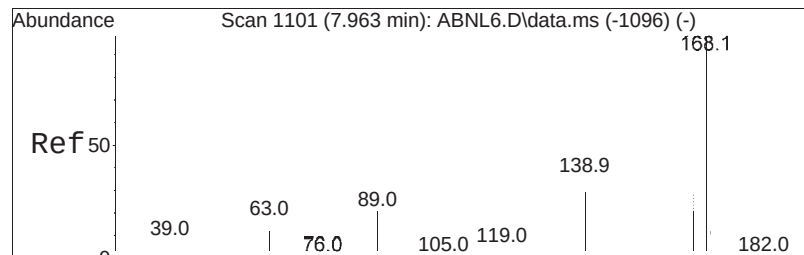




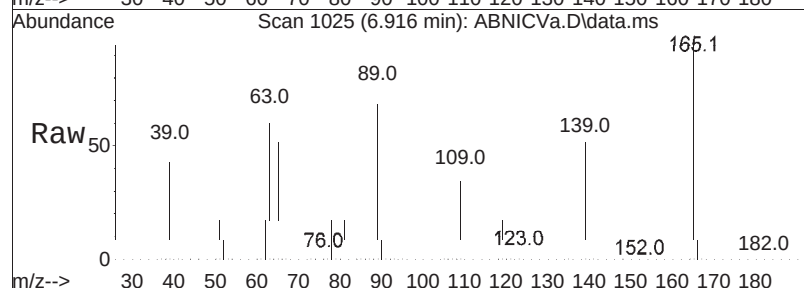
#67
 Dibenzofuran
 Concen: 4.88 ug/ml
 RT: 6.887 min Scan# 1020
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.2	32.3	48.5

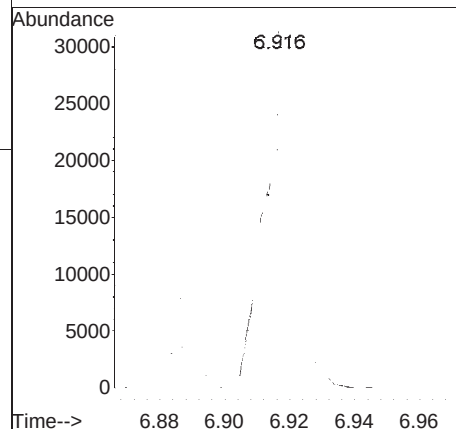
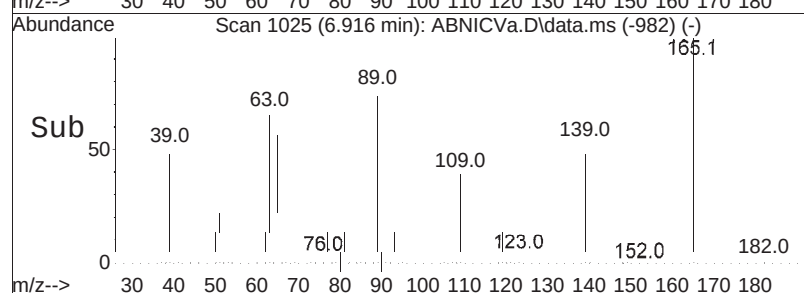


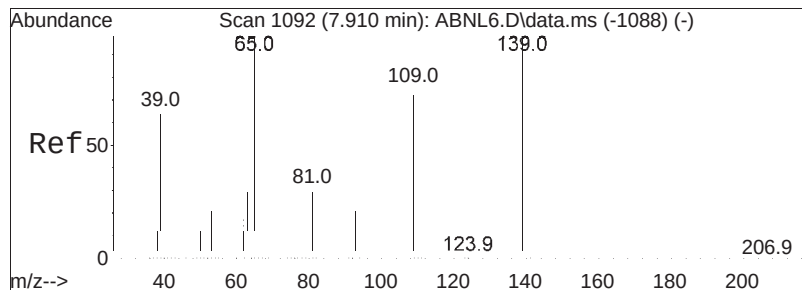


#68
 2,4-Dinitrotoluene
 Concen: 4.35 ug/ml
 RT: 6.916 min Scan# 1025
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am



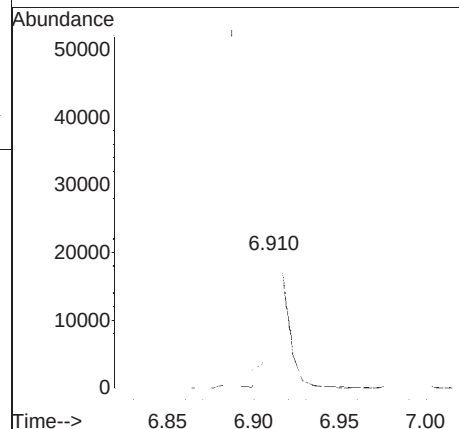
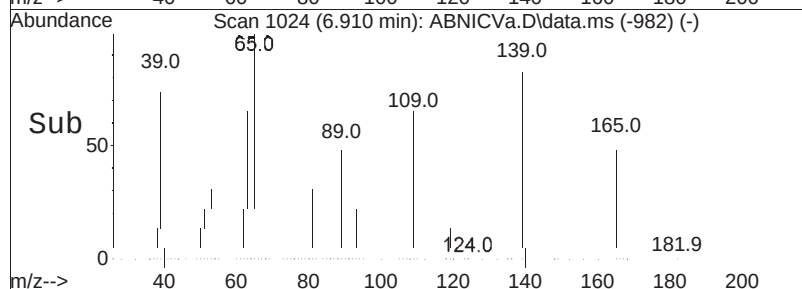
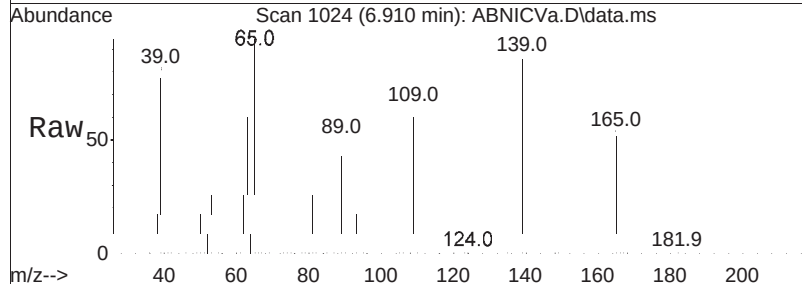
Tgt Ion:	165	Resp:	24798
Ion Ratio	Lower	Upper	
165	100		
89	74.3	73.0	109.4
63	70.1	56.3	84.5

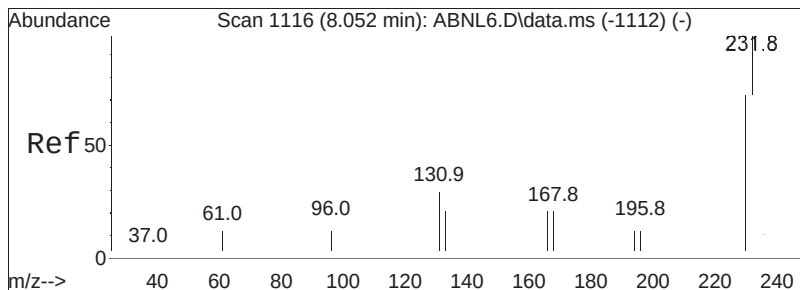




#69
 4-Nitrophenol
 Concen: 4.78 ug/ml
 RT: 6.910 min Scan# 1024
 Delta R.T. -0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

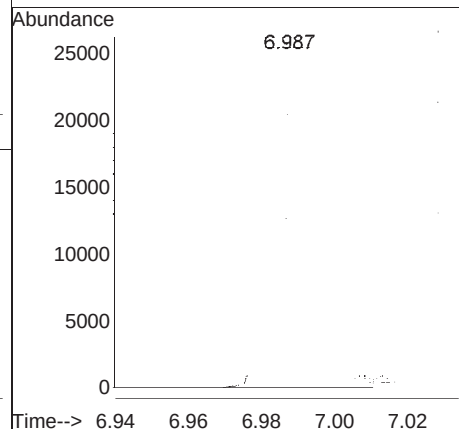
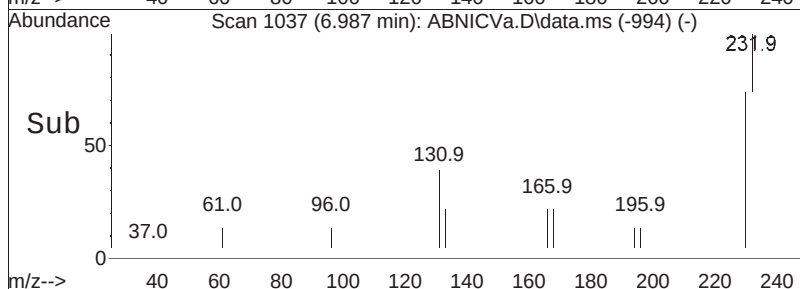
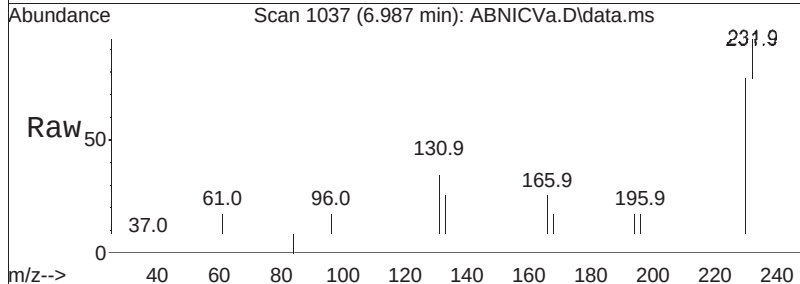
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	18414		
109	65.8		60.2	90.2
139	220.3		81.1	121.7#

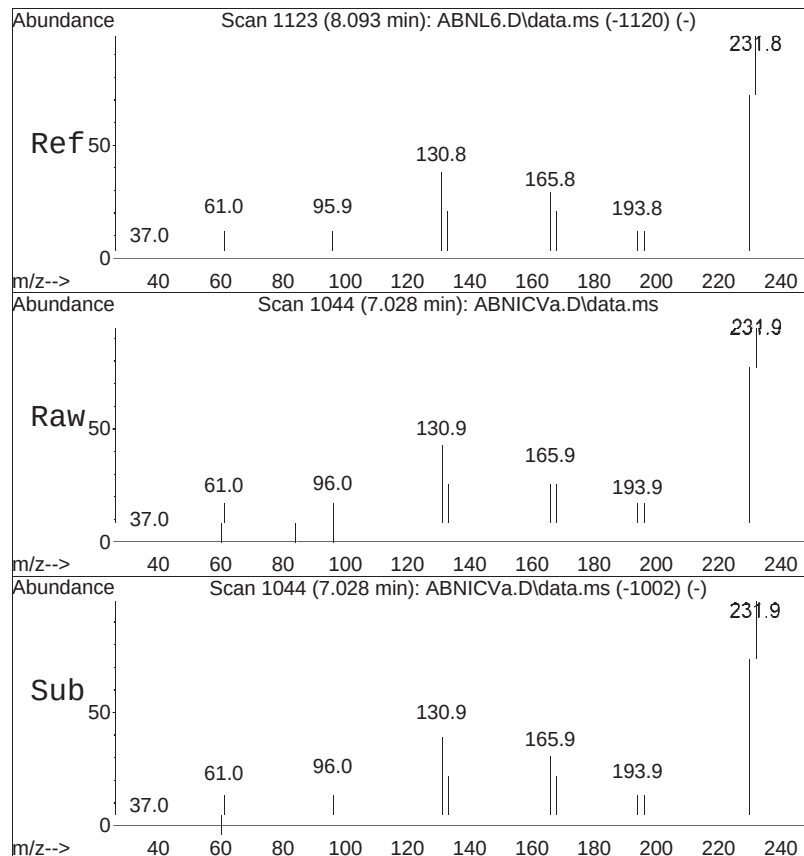




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 4.13 ug/ml
 RT: 6.987 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

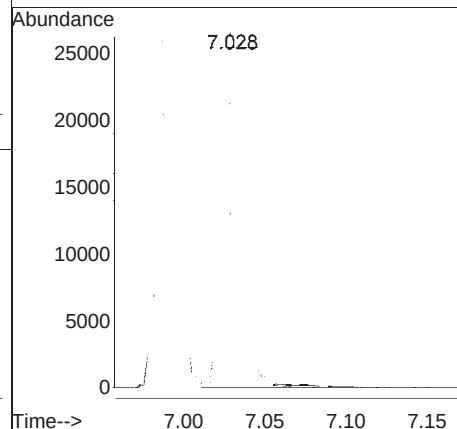
Tgt Ion	Ratio	Lower	Upper
232	100		
230	78.8	63.8	95.8
234	49.0	38.3	57.5

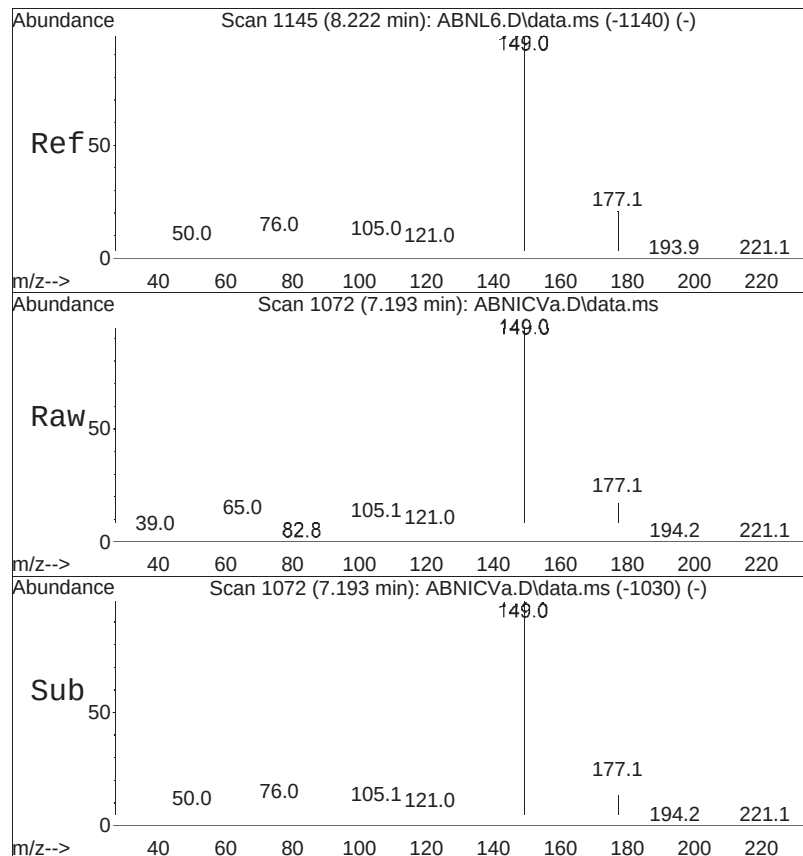




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 4.28 ug/ml
 RT: 7.028 min Scan# 1044
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

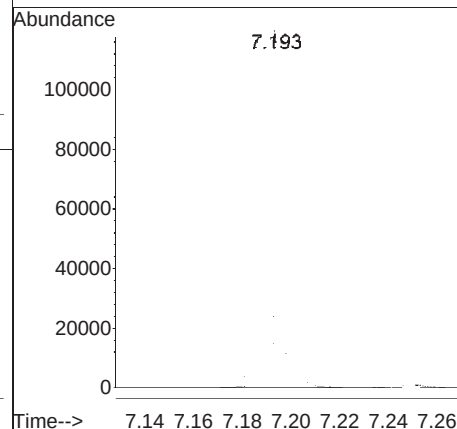
Tgt Ion:	232	Resp:	24306
Ion Ratio	Lower	Upper	
232	100		
230	76.3	63.8	95.8
234	48.2	39.0	58.6

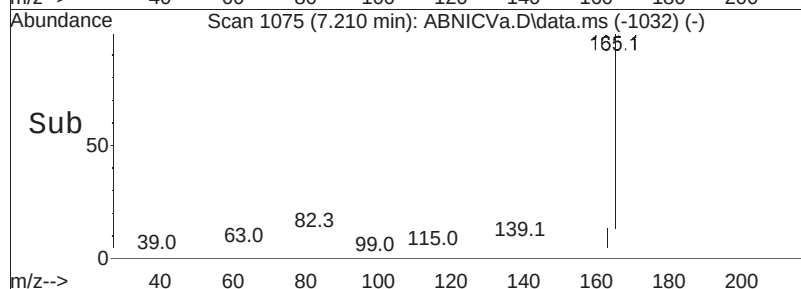
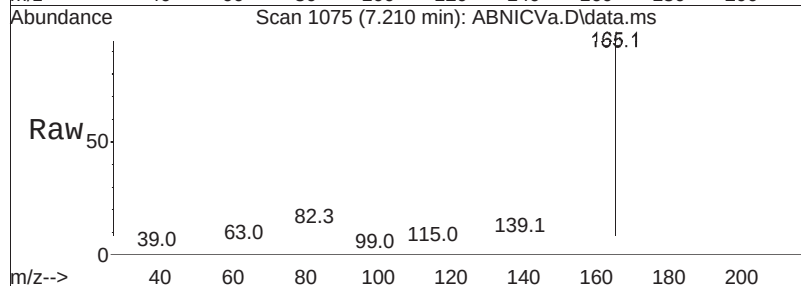
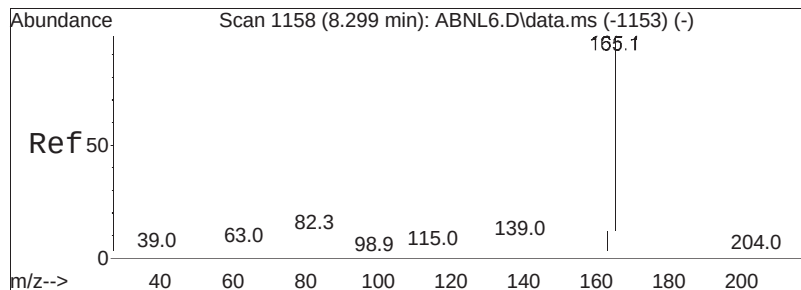




#72
 Diethyl phthalate
 Concen: 5.03 ug/ml
 RT: 7.193 min Scan# 1072
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	149	Resp:	98507
Ion Ratio	Lower	Upper	
149	100		
177	20.3	15.0	22.6
150	12.4	9.8	14.6





#73

Fluorene

Concen: 4.99 ug/ml

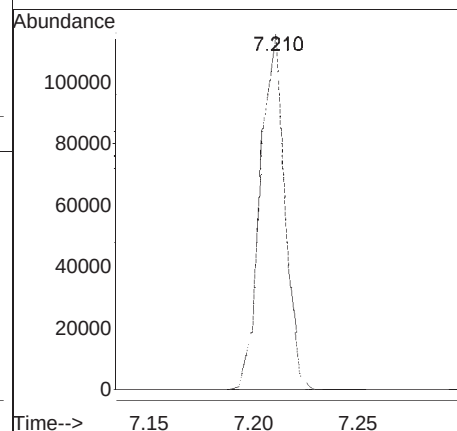
RT: 7.210 min Scan# 1075

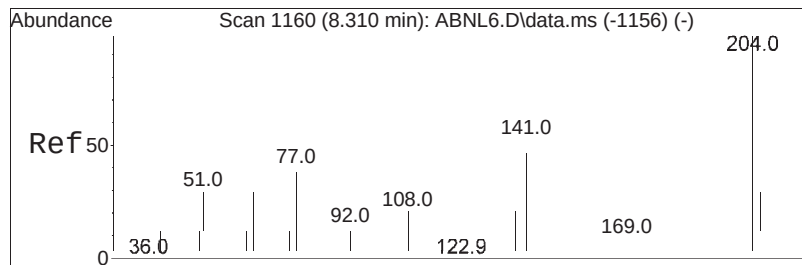
Delta R.T. 0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

Tgt Ion:	166	Resp:	93015
Ion Ratio	Lower	Upper	
166	100		
165	102.3	80.0	120.0
167	13.6	10.7	16.1





#74

4-Chlorophenyl phenyl ether

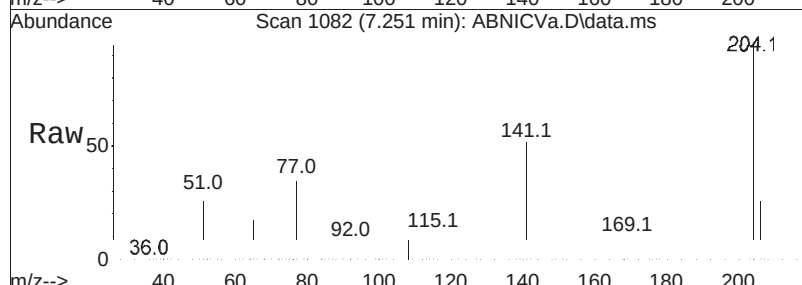
Concen: 4.69 ug/ml

RT: 7.251 min Scan# 1082

Delta R.T. -0.001 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am



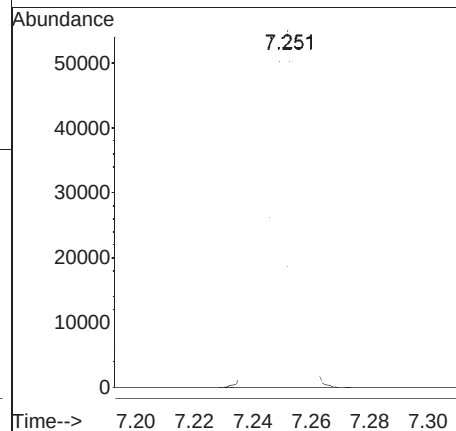
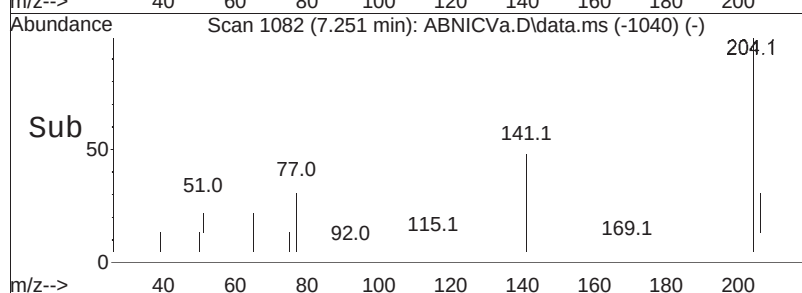
Tgt Ion: 204 Resp: 45988

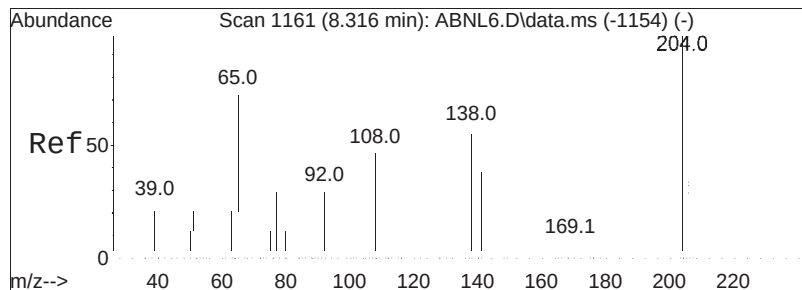
Ion Ratio Lower Upper

204 100

206 33.5 26.3 39.5

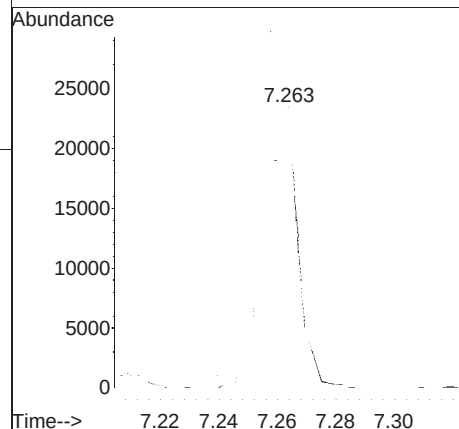
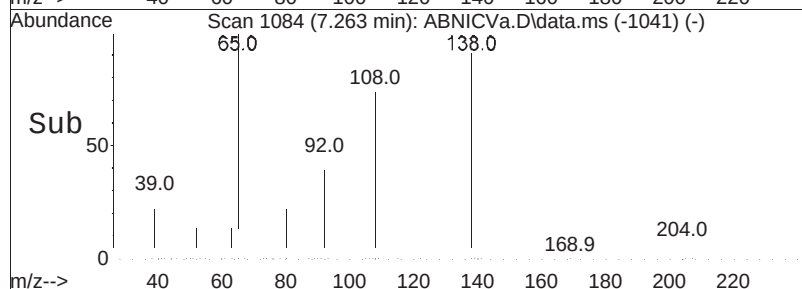
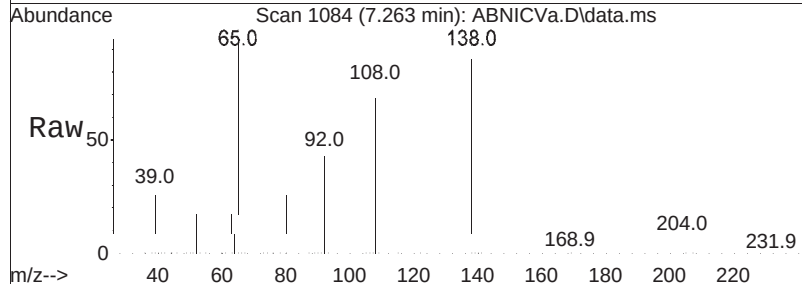
141 55.2 58.4 87.6#

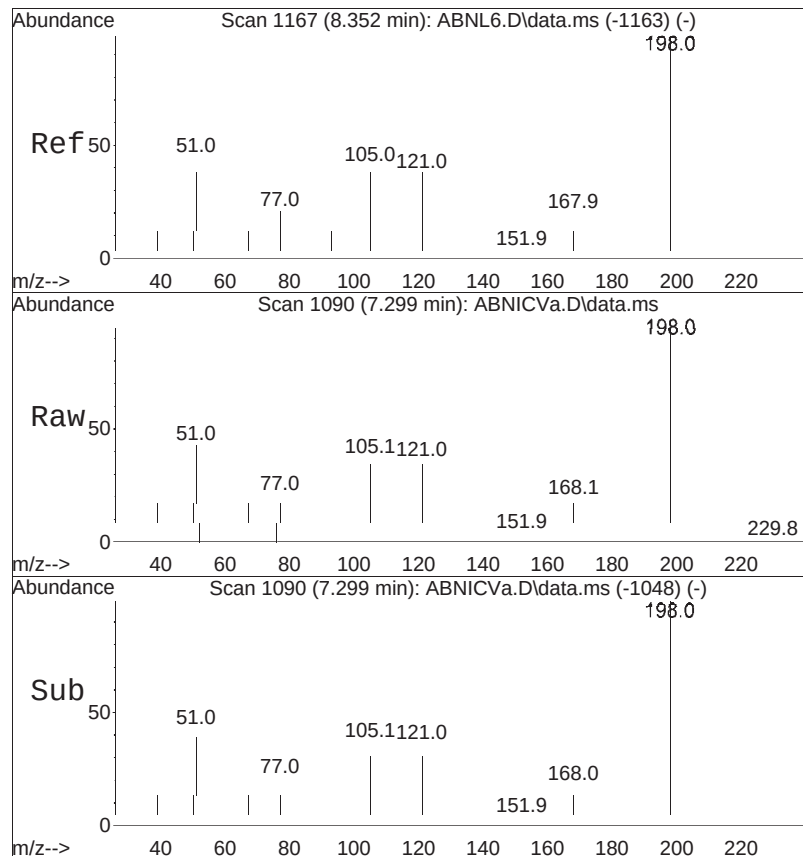




#75
 4-Nitroaniline
 Concen: 4.58 ug/ml
 RT: 7.263 min Scan# 1084
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

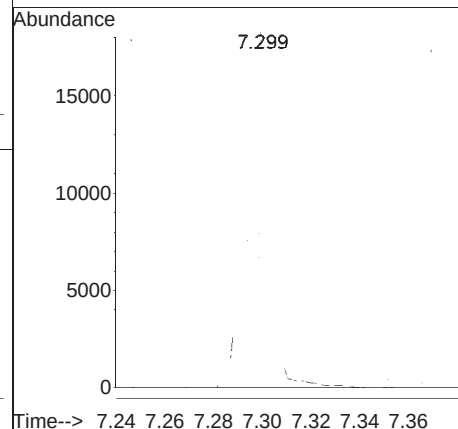
Tgt Ion:	138	Resp:	20475
Ion Ratio	Lower	Upper	
138	100		
108	83.6	59.2	88.8
65	134.7	97.6	146.4

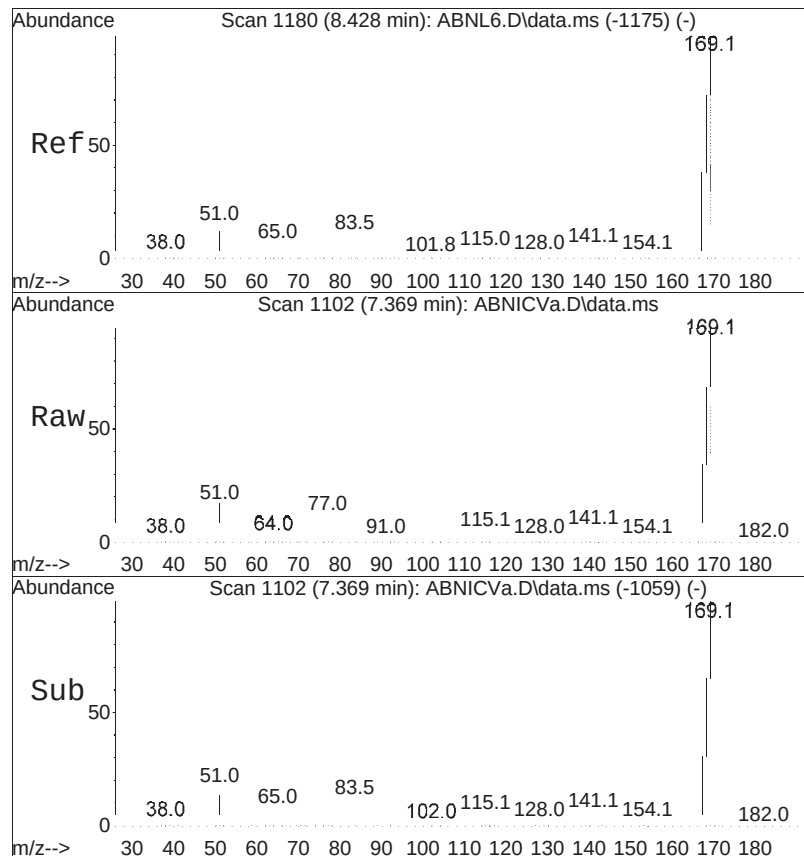




#76
 4,6-Dinitro-o-cresol
 Concen: 4.32 ug/ml
 RT: 7.299 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

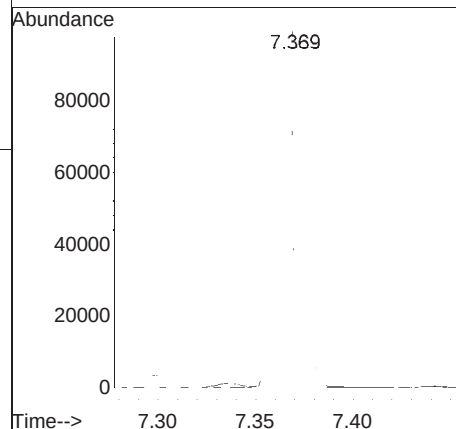
Tgt Ion	Ratio	Lower	Upper
198	100		
51	51.4	49.9	74.9
105	41.1	45.8	68.6

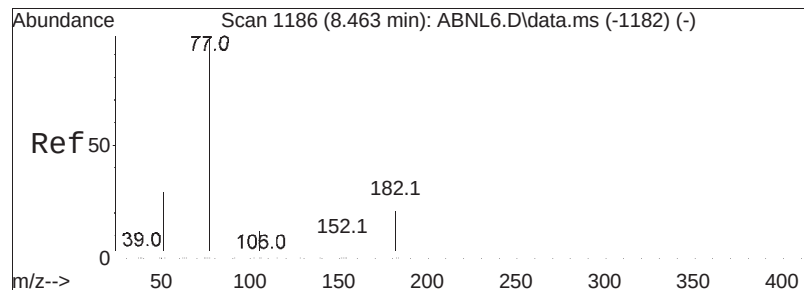




#77
 NDPA/DPA
 Concen: 5.08 ug/ml
 RT: 7.369 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

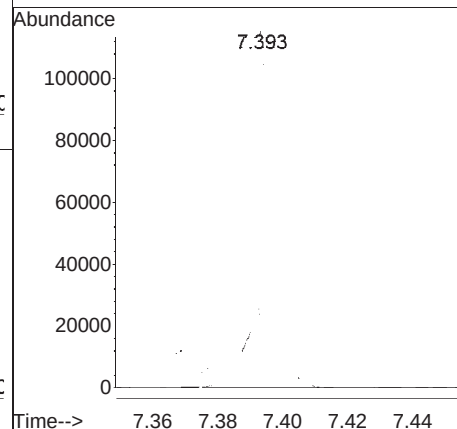
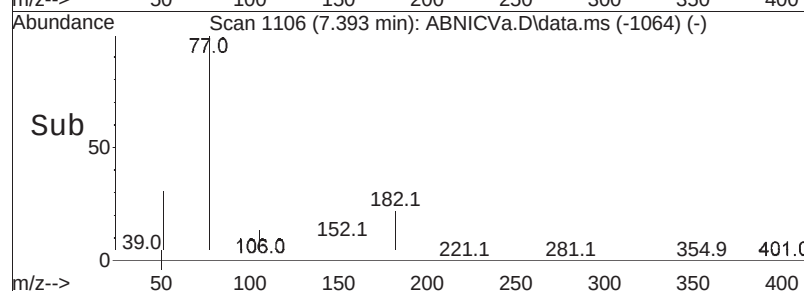
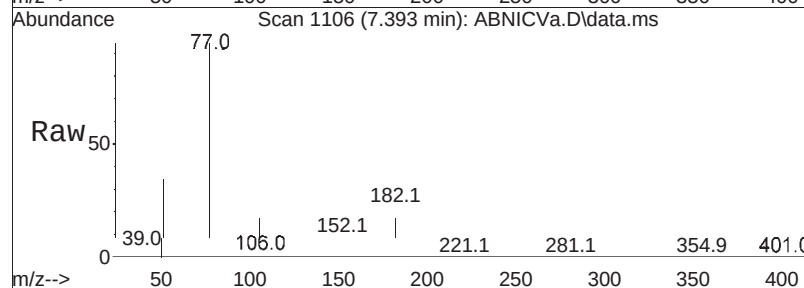
Tgt Ion:	169	Resp:	79194
Ion Ratio	Lower	Upper	
169	100		
168	71.3	55.2	82.8
167	39.4	30.4	45.6

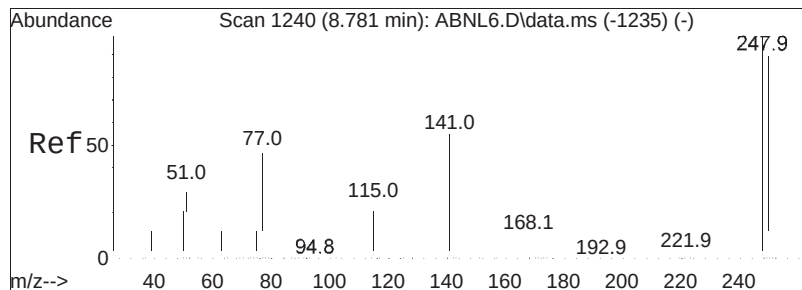




#78
 Azobenzene
 Concen: 5.29 ug/ml M6
 RT: 7.393 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

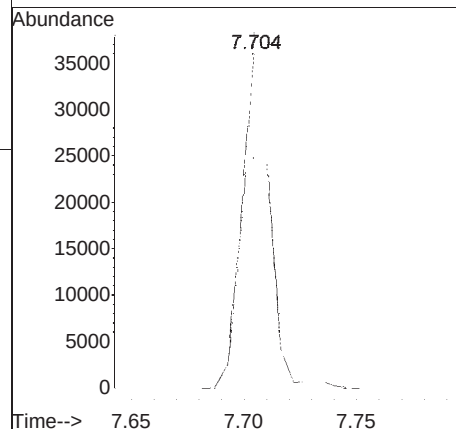
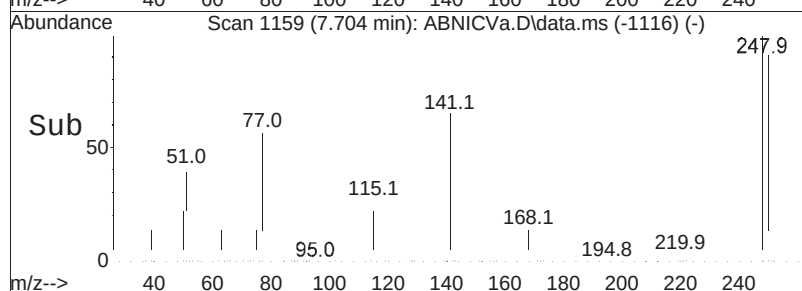
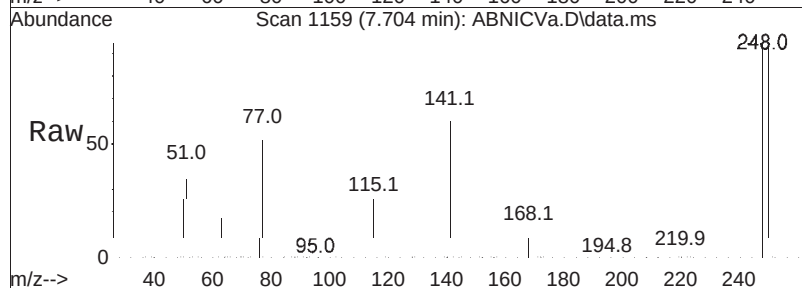
Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.9	16.2	24.2
105	20.8	17.9	26.9

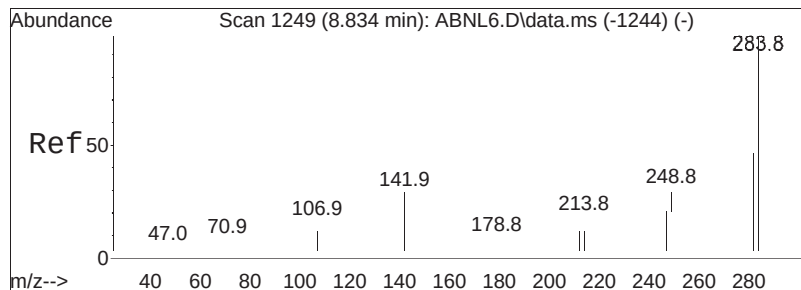




#80
 4-Bromophenyl phenyl ether
 Concen: 4.90 ug/ml
 RT: 7.704 min Scan# 1159
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

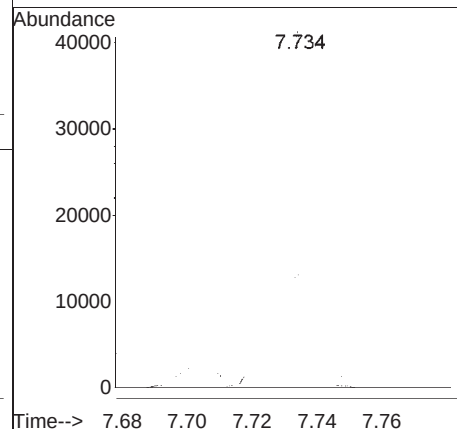
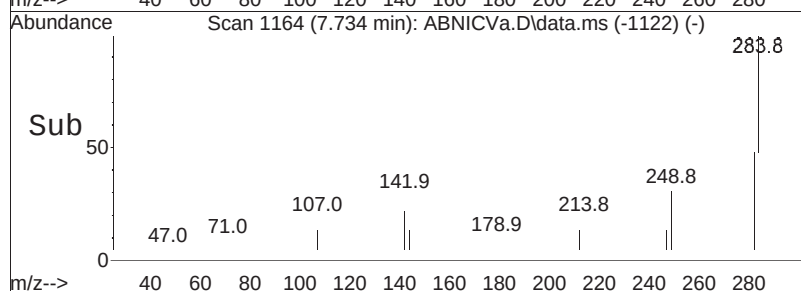
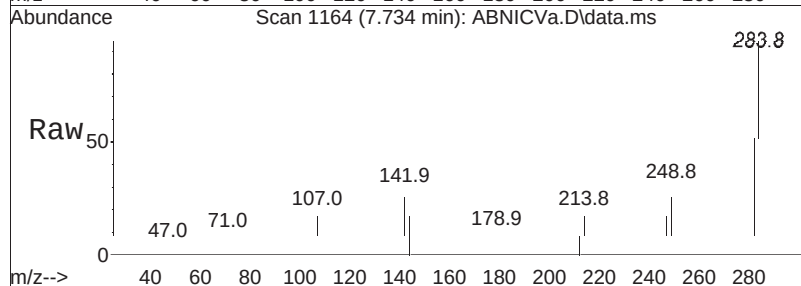
Tgt Ion:	248	Resp:	31417
Ion Ratio	Lower	Upper	
248	100		
141	63.2	74.6	111.8#
250	96.3	76.9	115.3

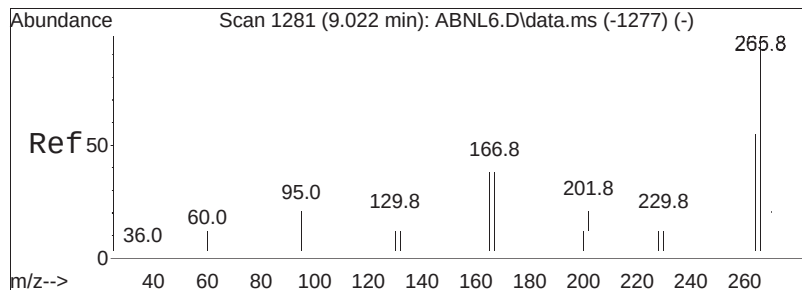




#81
 Hexachlorobenzene
 Concen: 4.67 ug/ml
 RT: 7.734 min Scan# 1164
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

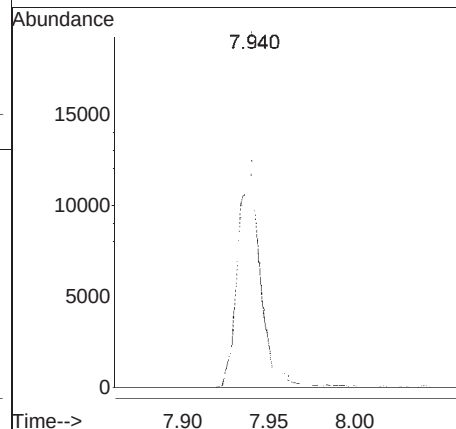
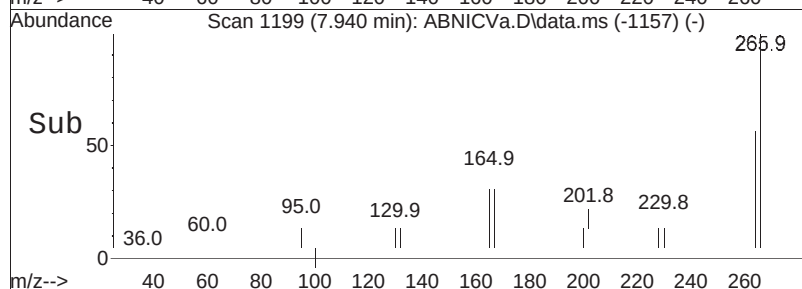
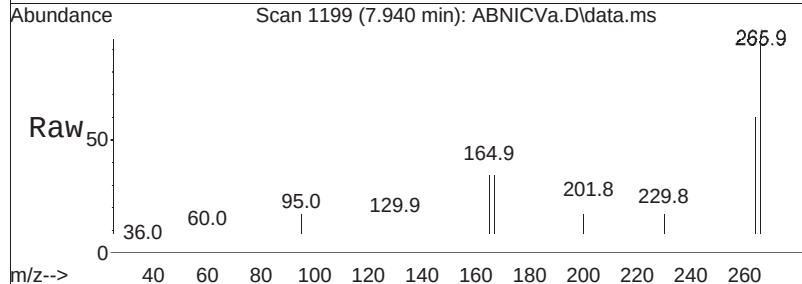
Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.7	37.6	56.4#
249	32.5	25.4	38.2

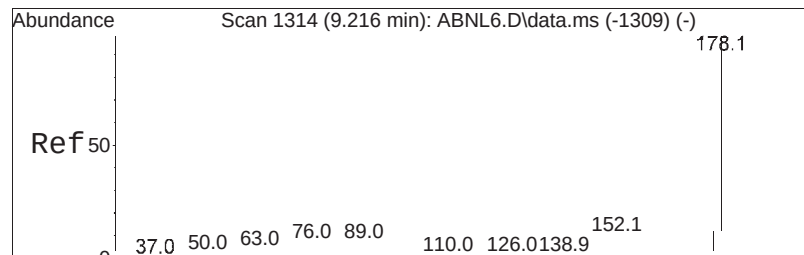




#82
 Pentachlorophenol
 Concen: 4.06 ug/ml
 RT: 7.940 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

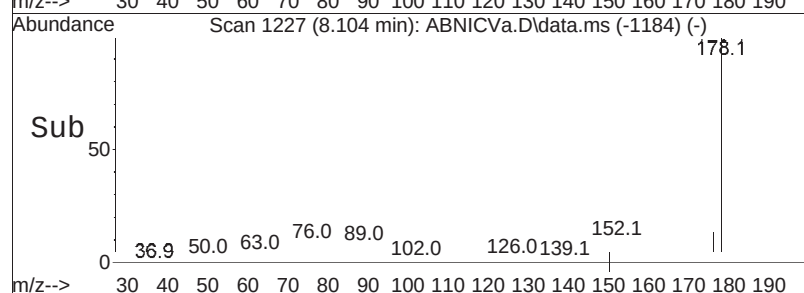
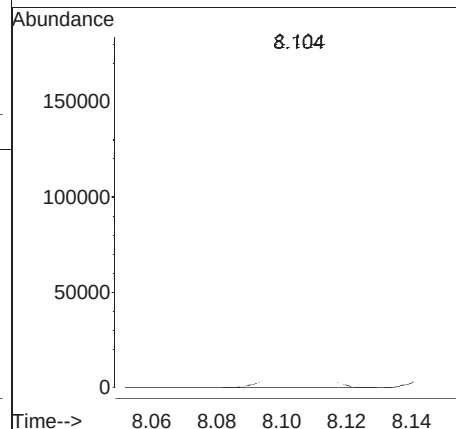
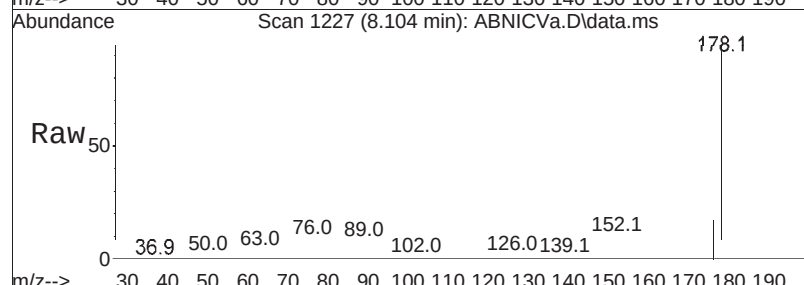
Tgt Ion:	266	Resp:	18224
Ion Ratio	Lower	Upper	
266	100		
264	60.4	50.7	76.1
268	63.6	52.5	78.7

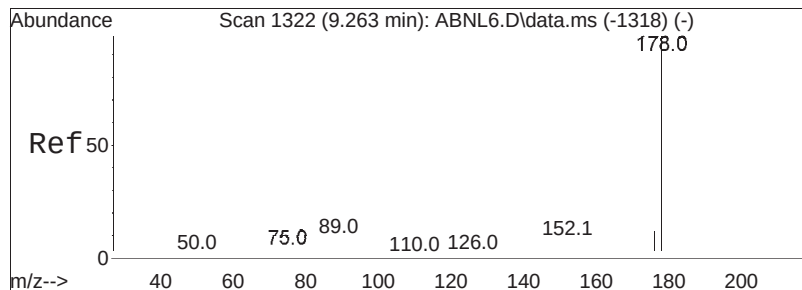




#89
 Phenanthrene
 Concen: 4.91 ug/ml
 RT: 8.104 min Scan# 1227
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

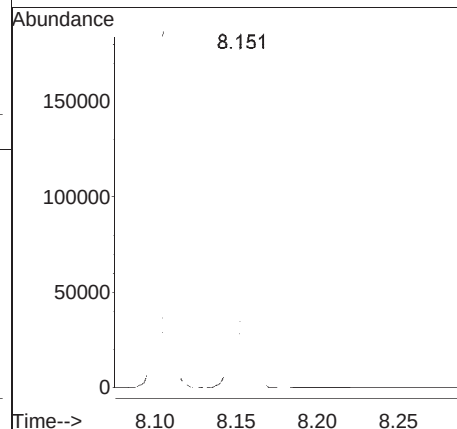
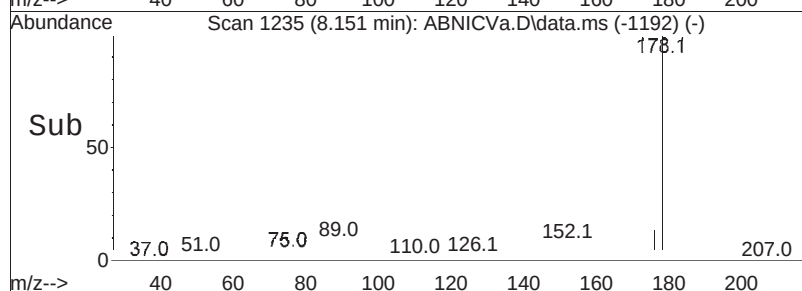
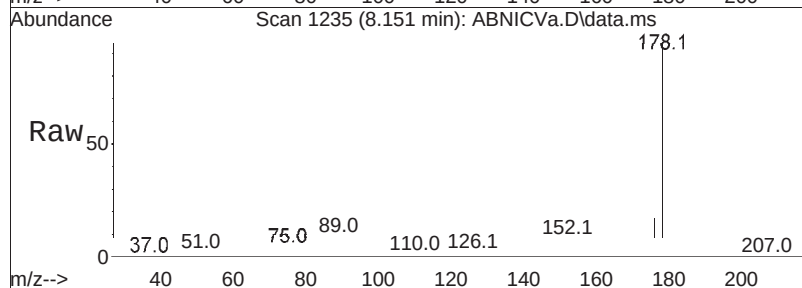
Tgt Ion:	178	Resp:	151732
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.3	18.5
176	19.5	15.4	23.2

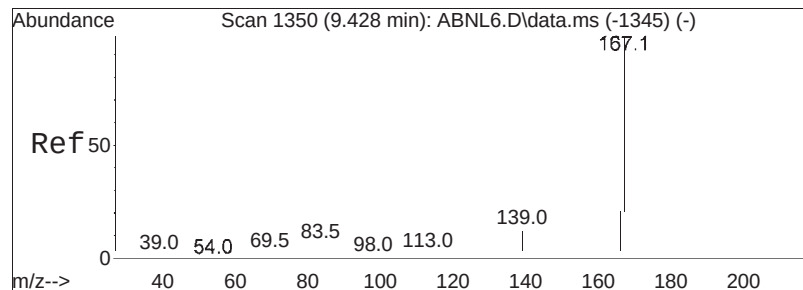




#90
 Anthracene
 Concen: 5.03 ug/ml
 RT: 8.151 min Scan# 1235
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

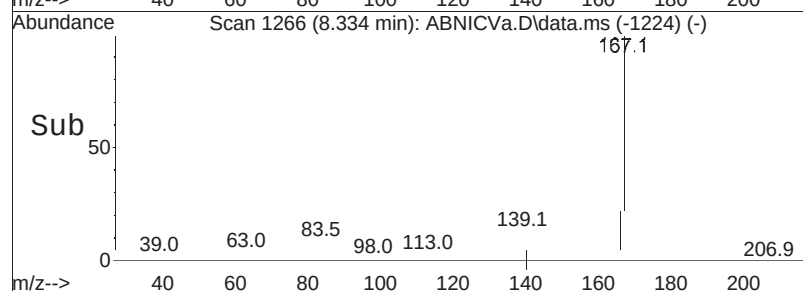
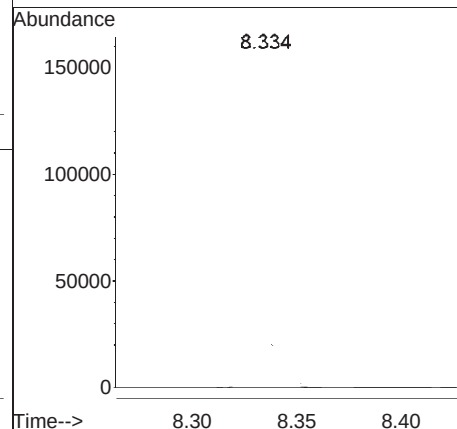
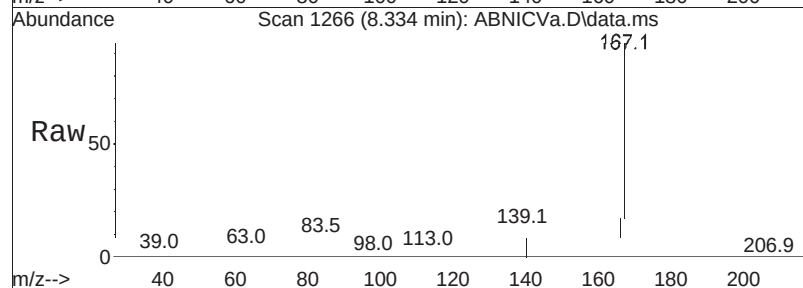
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.0	15.1	22.7

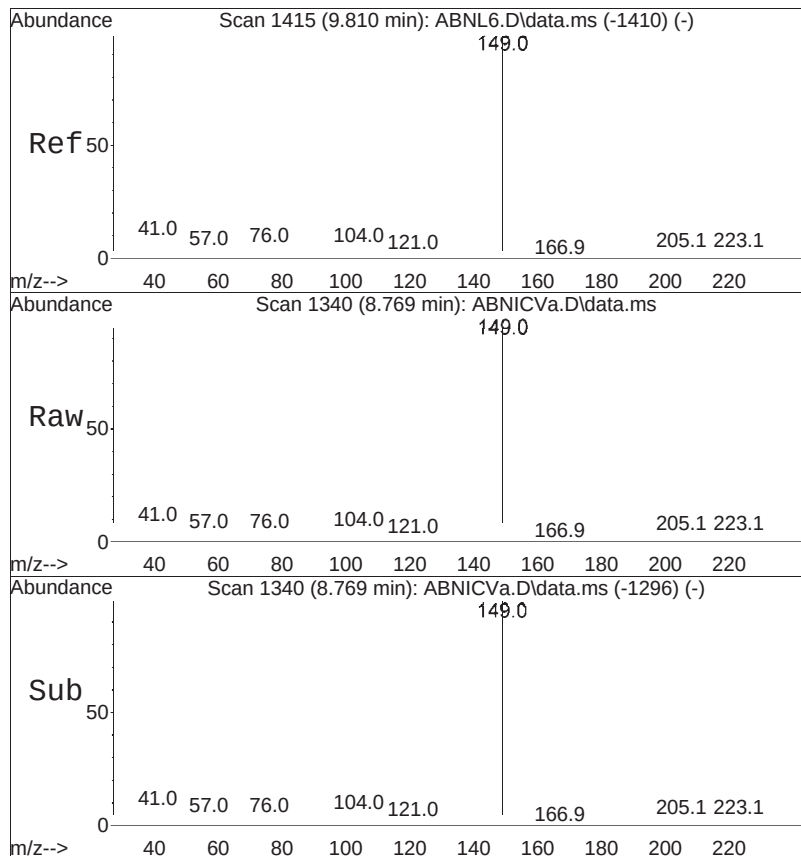




#91
 Carbazole
 Concen: 5.20 ug/ml
 RT: 8.334 min Scan# 1266
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

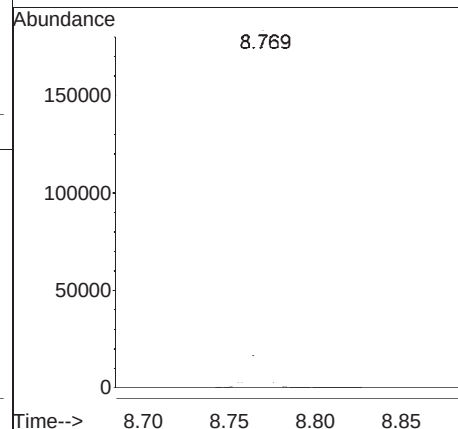
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.8	16.2
166	22.7	17.7	26.5

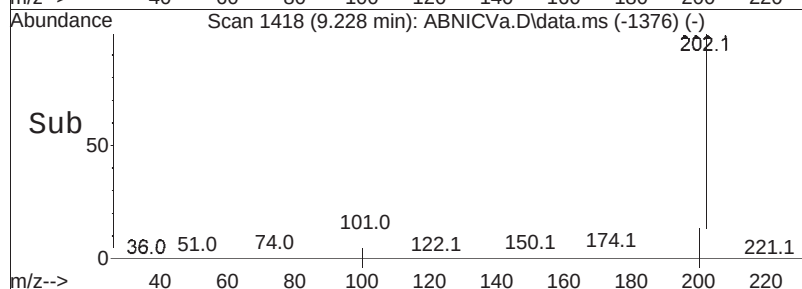
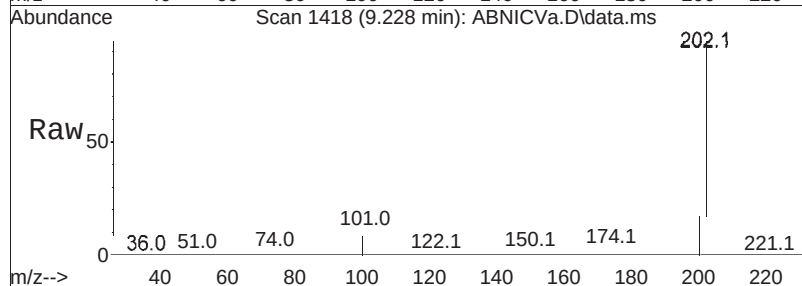
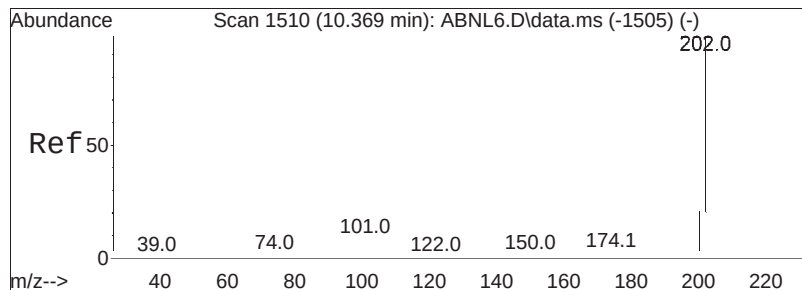




#92
 Di-n-butylphthalate
 Concen: 5.24 ug/ml
 RT: 8.769 min Scan# 1340
 Delta R.T. 0.006 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion:	149	Resp:	171468
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.3	10.9
104	5.1	4.0	6.0





#93

Fluoranthene

Concen: 5.14 ug/ml M3

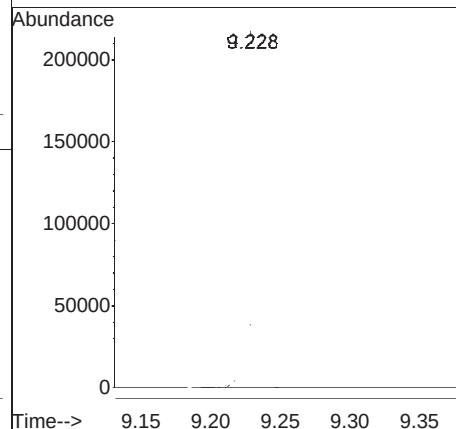
RT: 9.228 min Scan# 1418

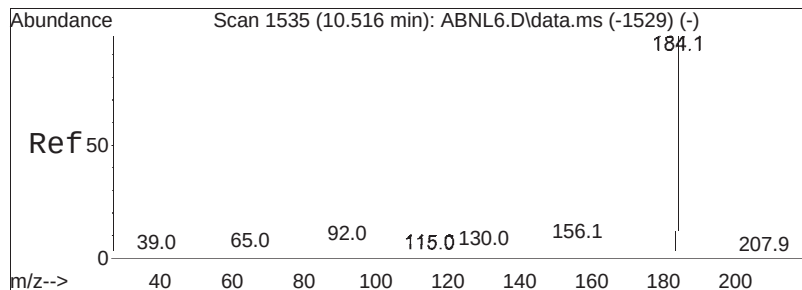
Delta R.T. -0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

Tgt Ion:	202	Resp:	191999
Ion Ratio	Lower	Upper	
202	100		
101	13.8	11.2	16.8
203	18.9	13.7	20.5





#94

Benzidine

Concen: 4.81 ug/ml

RT: 9.410 min Scan# 1449

Delta R.T. 0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am

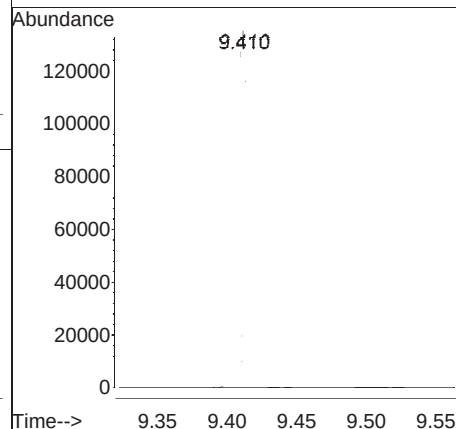
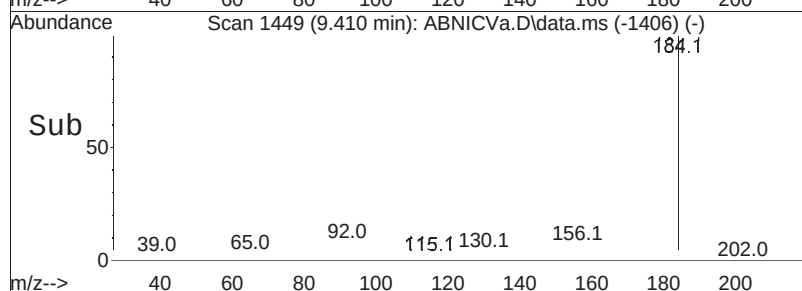
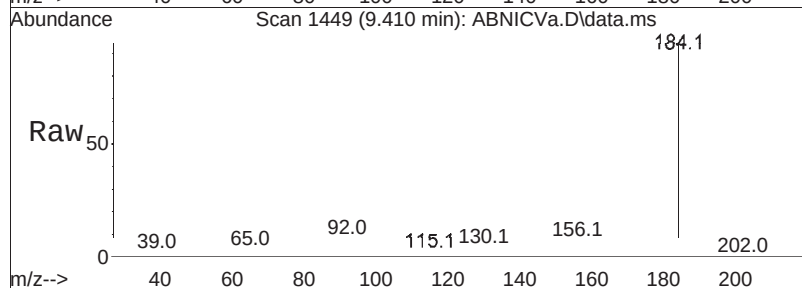
Tgt Ion:184 Resp: 115660

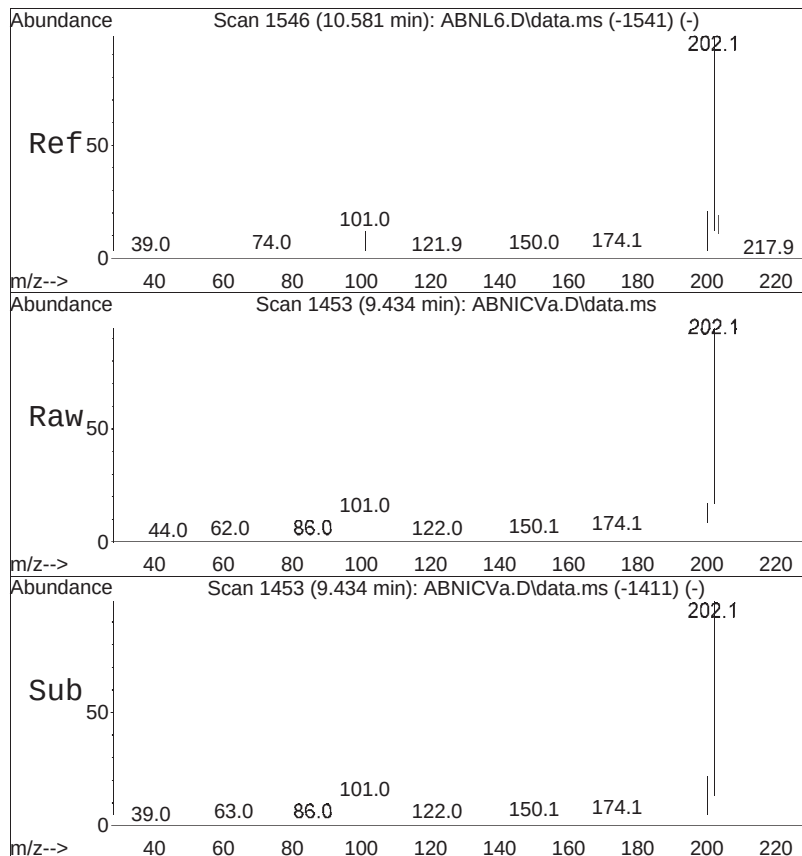
Ion Ratio Lower Upper

184 100

92 7.3 7.3 10.9#

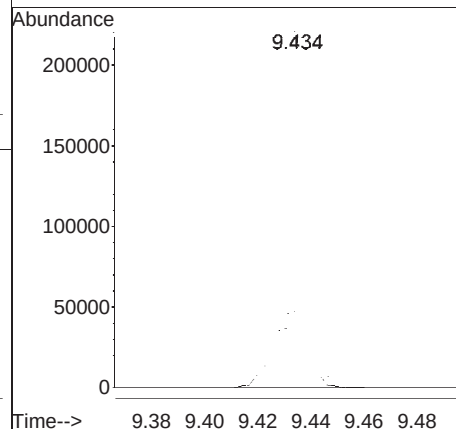
185 14.5 11.8 17.8

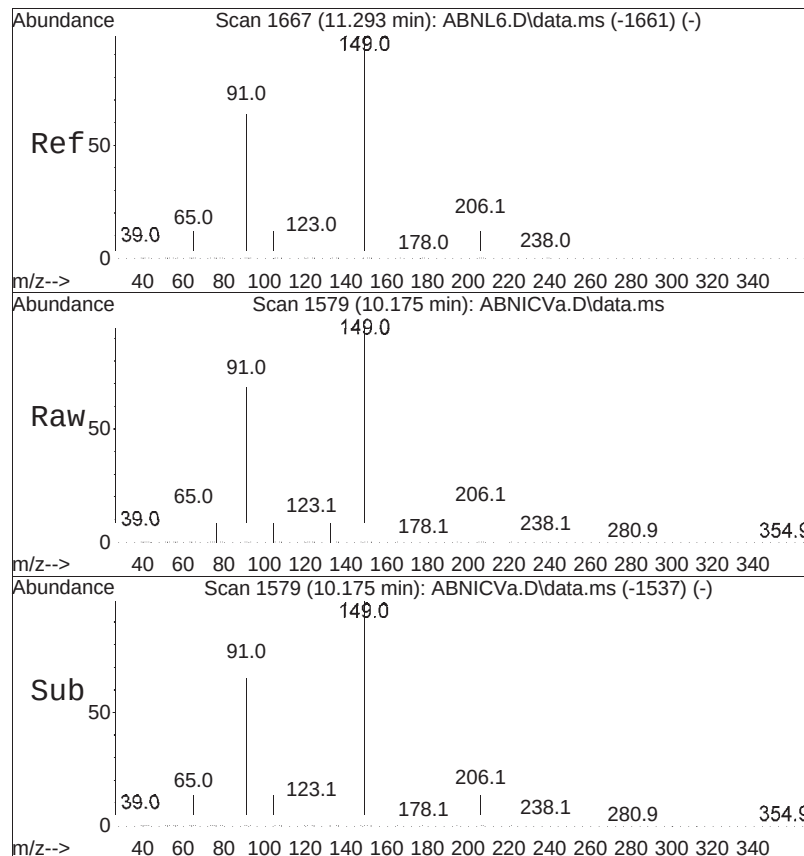




#95
 Pyrene
 Concen: 5.32 ug/ml
 RT: 9.434 min Scan# 1453
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

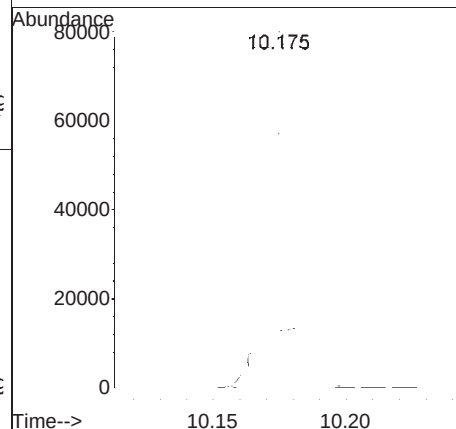
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	204682		
200	21.3		16.9	25.3
203	17.8		14.3	21.5

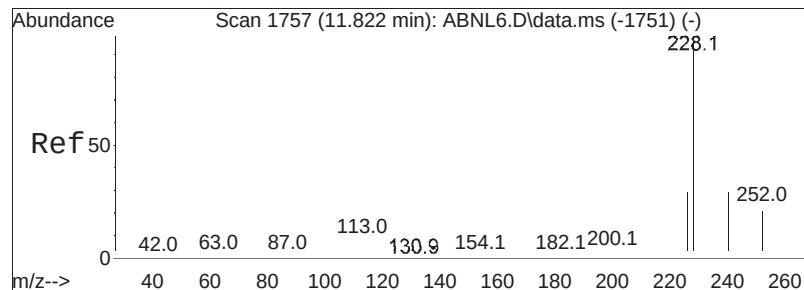




#97
 Butyl benzyl phthalate
 Concen: 4.45 ug/ml
 RT: 10.175 min Scan# 1579
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

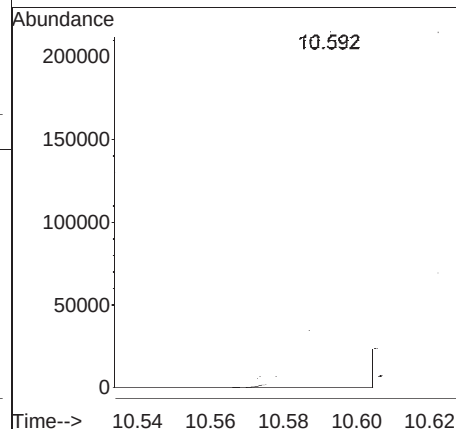
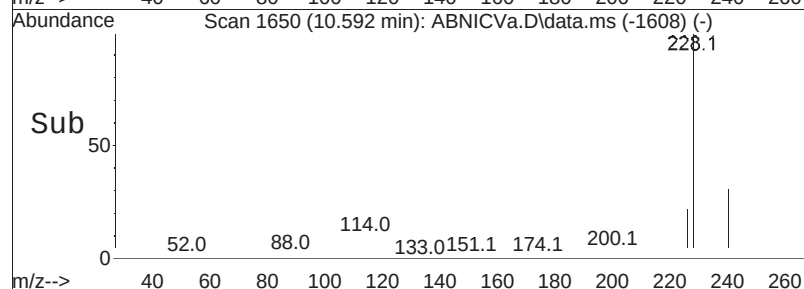
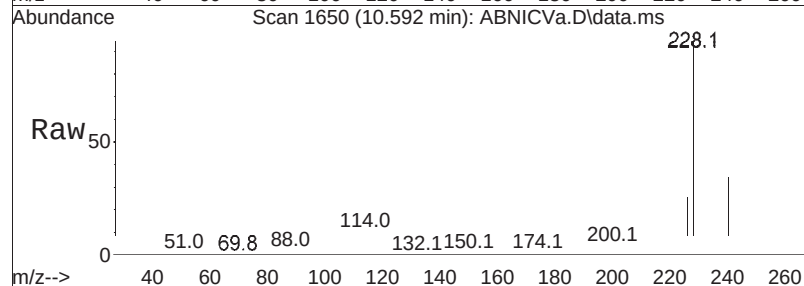
Tgt Ion:	149	Resp:	72857
Ion Ratio	Lower	Upper	
149	100		
91	70.2	57.9	86.9
206	16.7	11.9	17.9

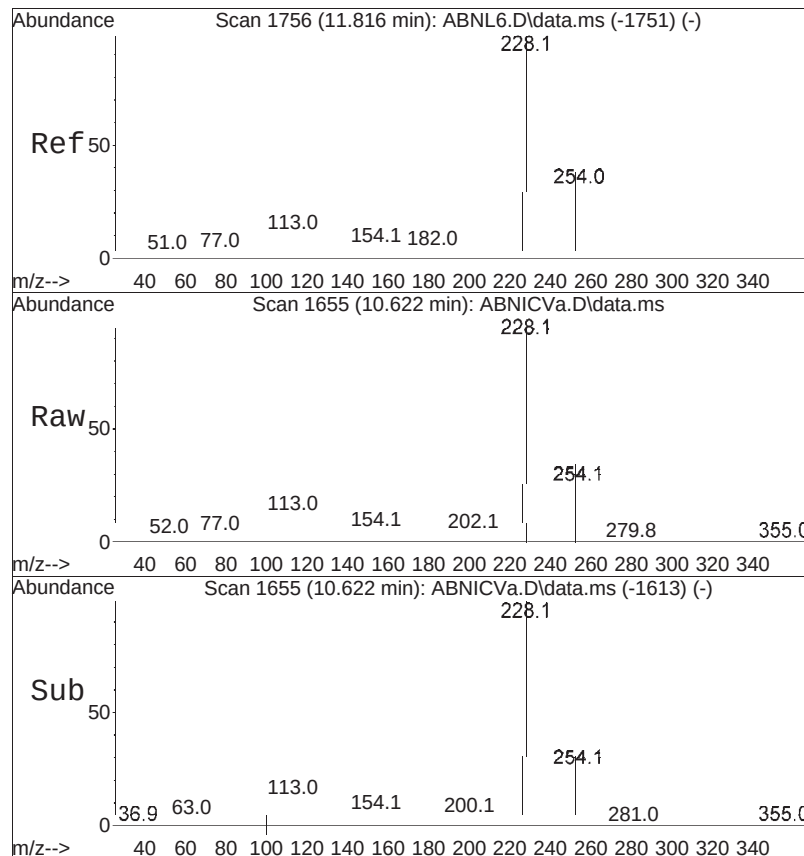




#105
 Benzo(a)anthracene
 Concen: 4.86 ug/ml
 RT: 10.592 min Scan# 1650
 Delta R.T. -0.001 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

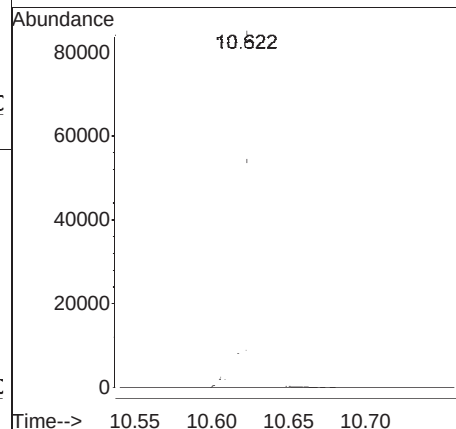
Tgt Ion:	228	Resp:	207497
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.6	34.0
229	19.9	15.8	23.6

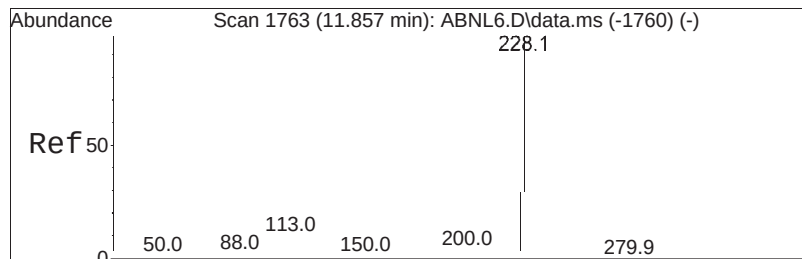




#106
 3,3'-Dichlorobenzidine
 Concen: 4.85 ug/ml
 RT: 10.622 min Scan# 1655
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	74975		
126	12.5		12.6	19.0#
254	64.5		51.1	76.7





#107

Chrysene

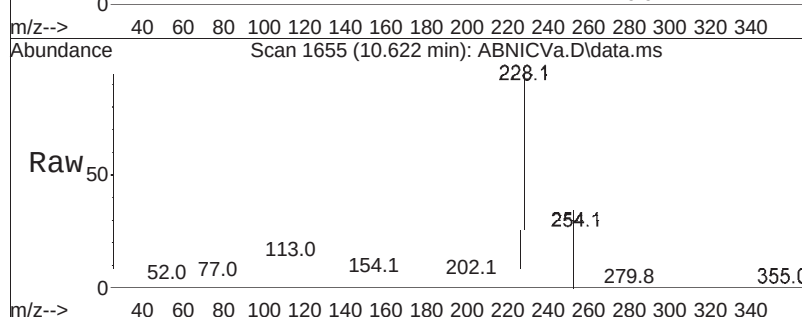
Concen: 5.00 ug/ml

RT: 10.622 min Scan# 1655

Delta R.T. -0.000 min

Lab File: ABNICVa.D

Acq: 18 Aug 2025 06:27 am



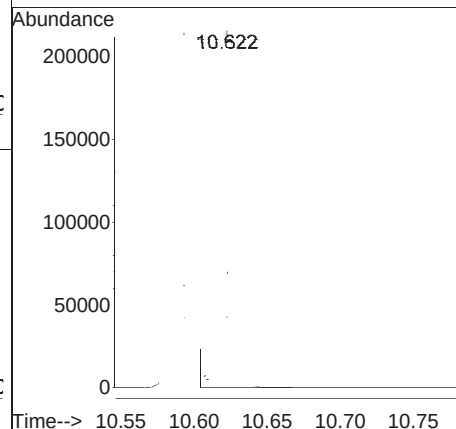
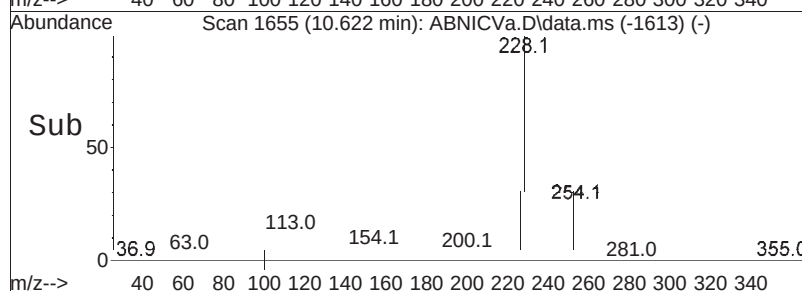
Tgt Ion: 228 Resp: 198758

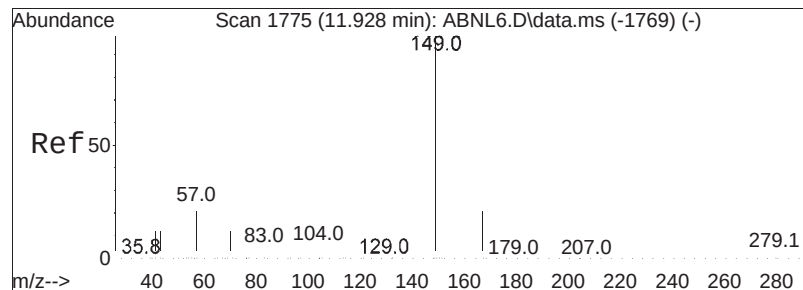
Ion Ratio Lower Upper

228 100

226 32.5 24.7 37.1

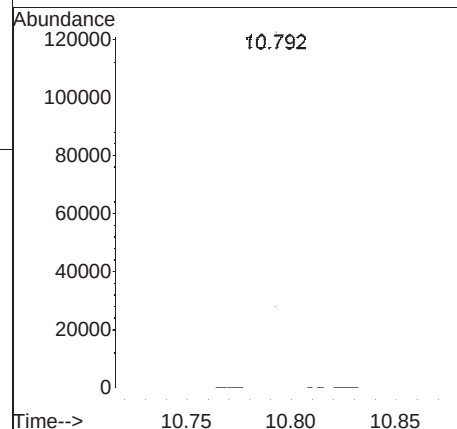
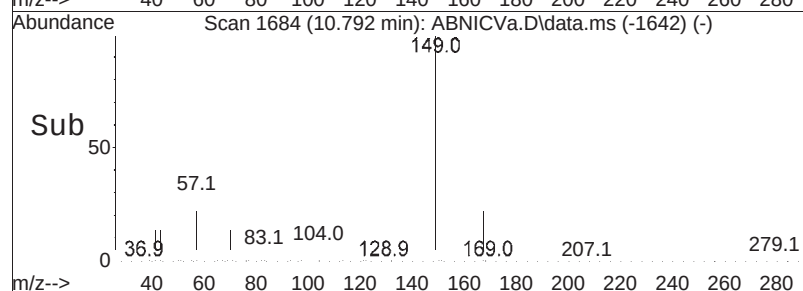
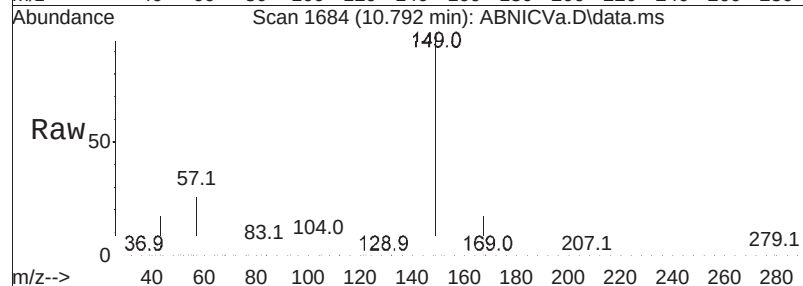
229 19.9 15.5 23.3

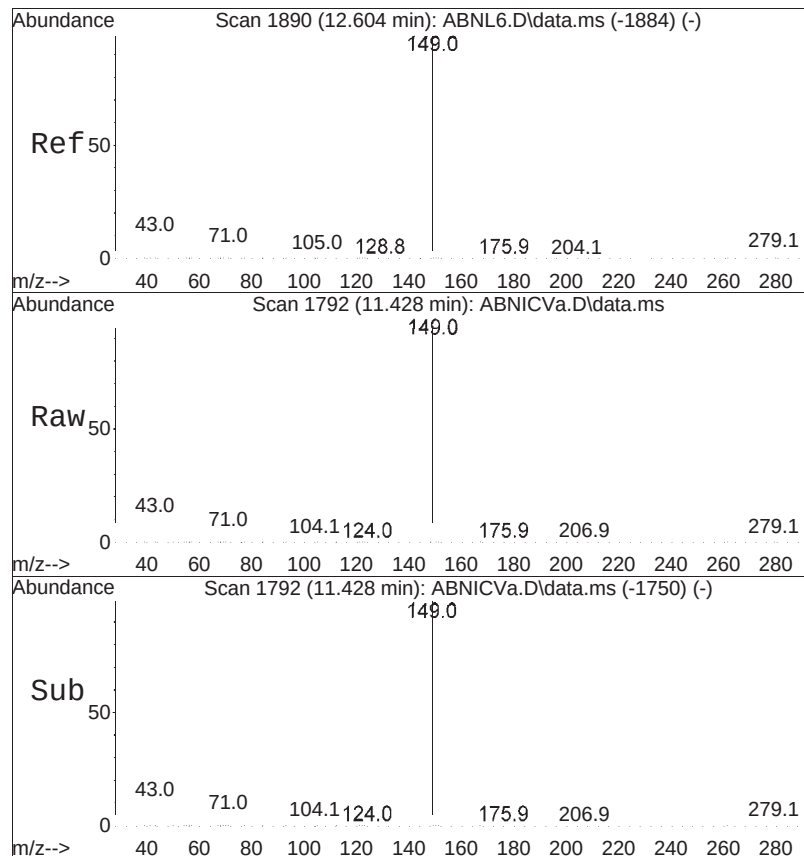




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.40 ug/ml
 RT: 10.792 min Scan# 1684
 Delta R.T. -0.001 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

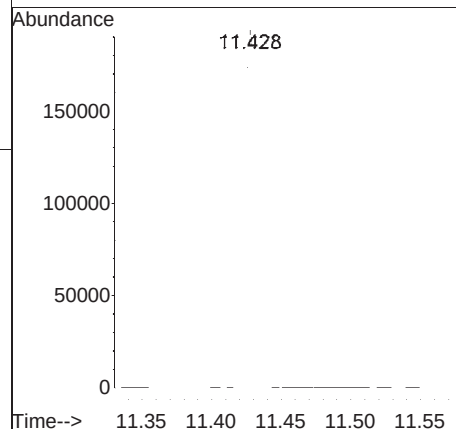
Tgt Ion:	149	Resp:	117028
Ion Ratio	Lower	Upper	
149	100		
167	22.7	18.4	27.6
279	2.3	1.7	2.5

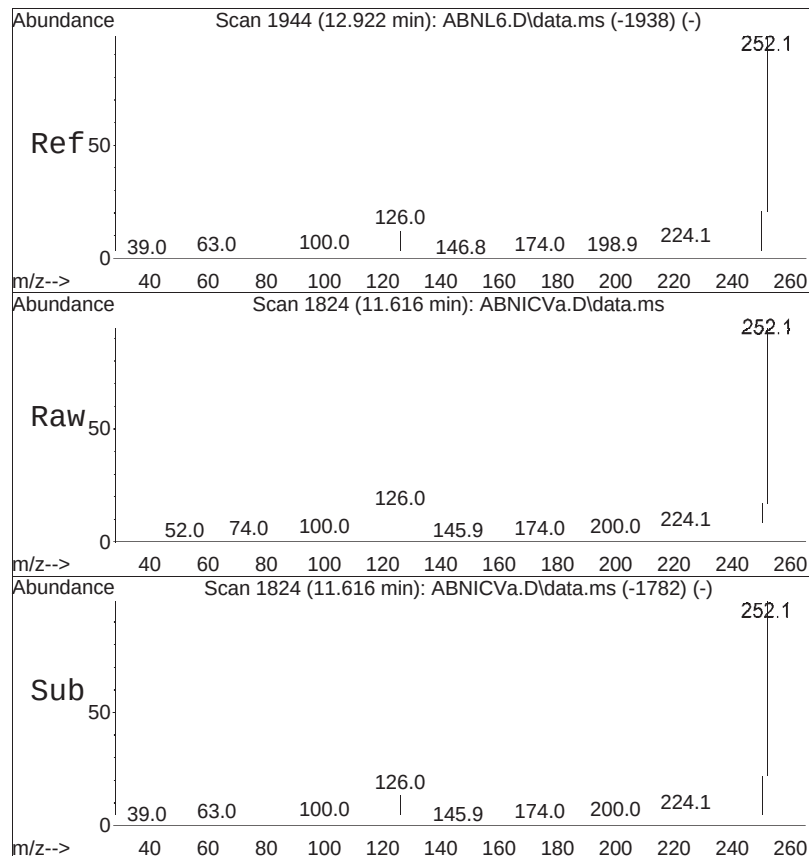




#109
 Di-n-octylphthalate
 Concen: 4.11 ug/ml
 RT: 11.428 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

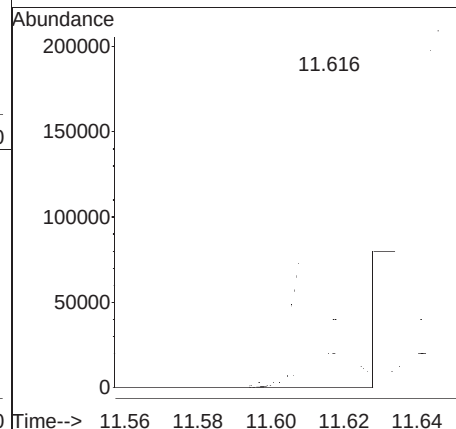
Tgt Ion:	149	Resp:	194880
Ion Ratio	Lower	Upper	
149	100		
43	10.8	8.2	12.2
167	1.4	1.1	1.7

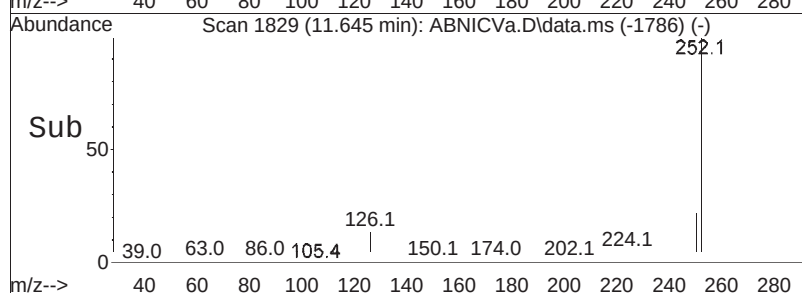
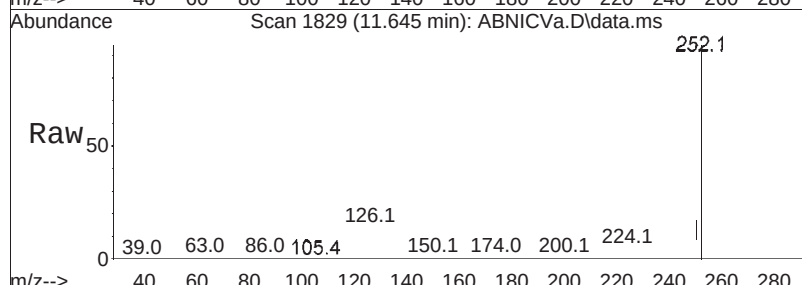
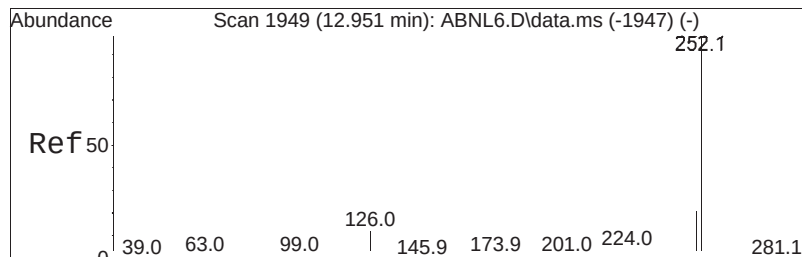




#110
 Benzo(b)fluoranthene
 Concen: 4.82 ug/ml
 RT: 11.616 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

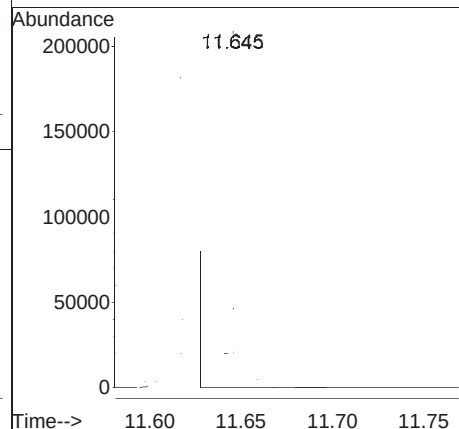
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	201922		
125	11.0		11.3	16.9#
253	22.3		17.8	26.8

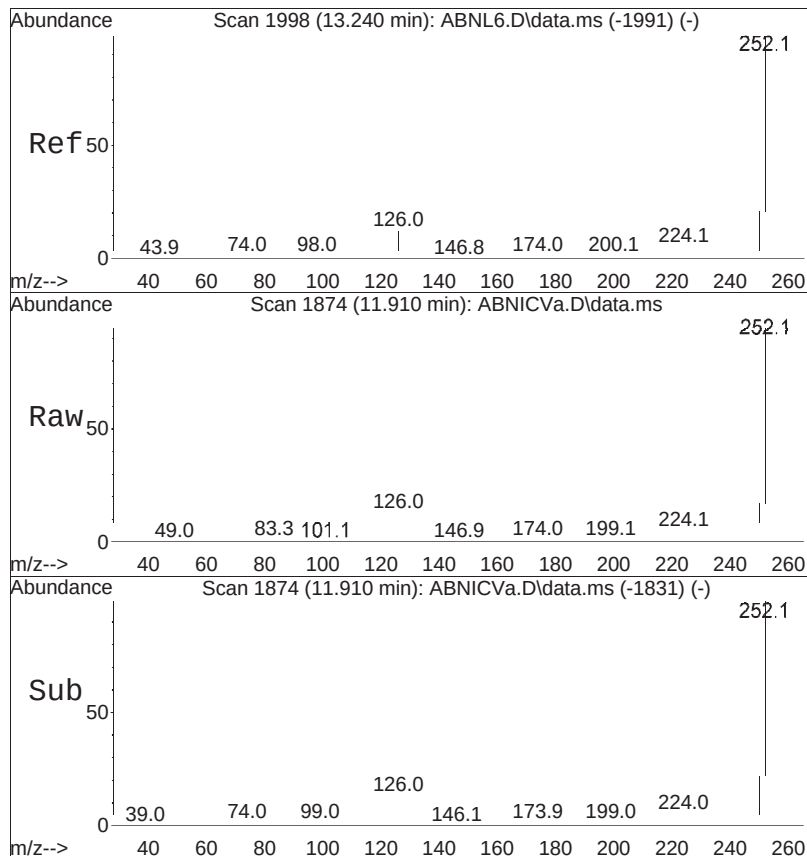




#111
Benzo(k)fluoranthene
Concen: 5.29 ug/ml M3
RT: 11.645 min Scan# 1829
Delta R.T. 0.000 min
Lab File: ABNICVa.D
Acq: 18 Aug 2025 06:27 am

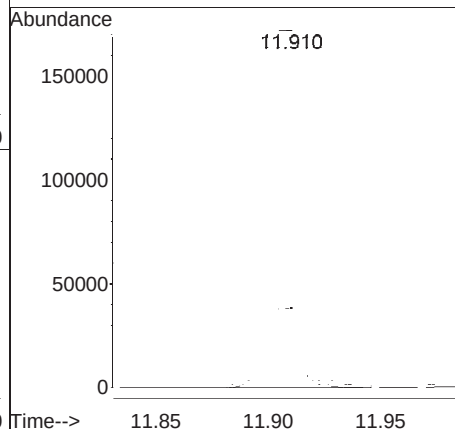
Tgt Ion	Ratio	Lower	Upper
252	100		
125	10.3	11.5	17.3#
253	20.9	17.6	26.4

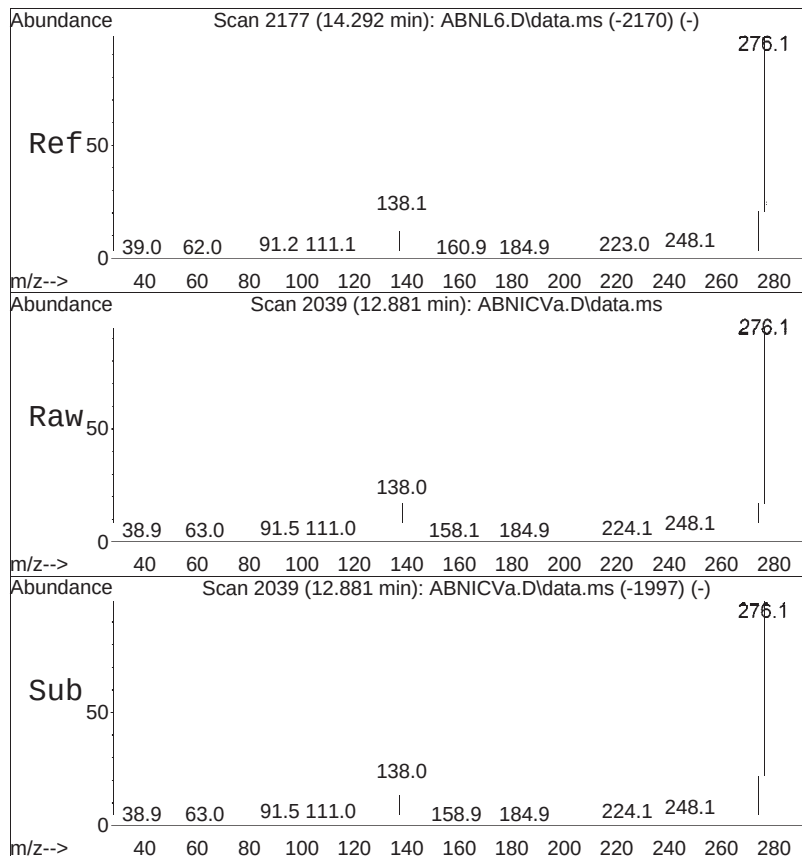




#112
 Benzo(a)pyrene
 Concen: 5.01 ug/ml
 RT: 11.910 min Scan# 1874
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

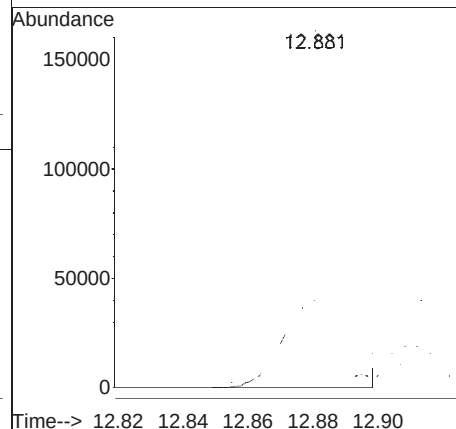
Tgt Ion:	252	Resp:	194293
Ion Ratio	Lower	Upper	
252	100		
125	11.6	12.6	18.8#
253	22.0	17.5	26.3

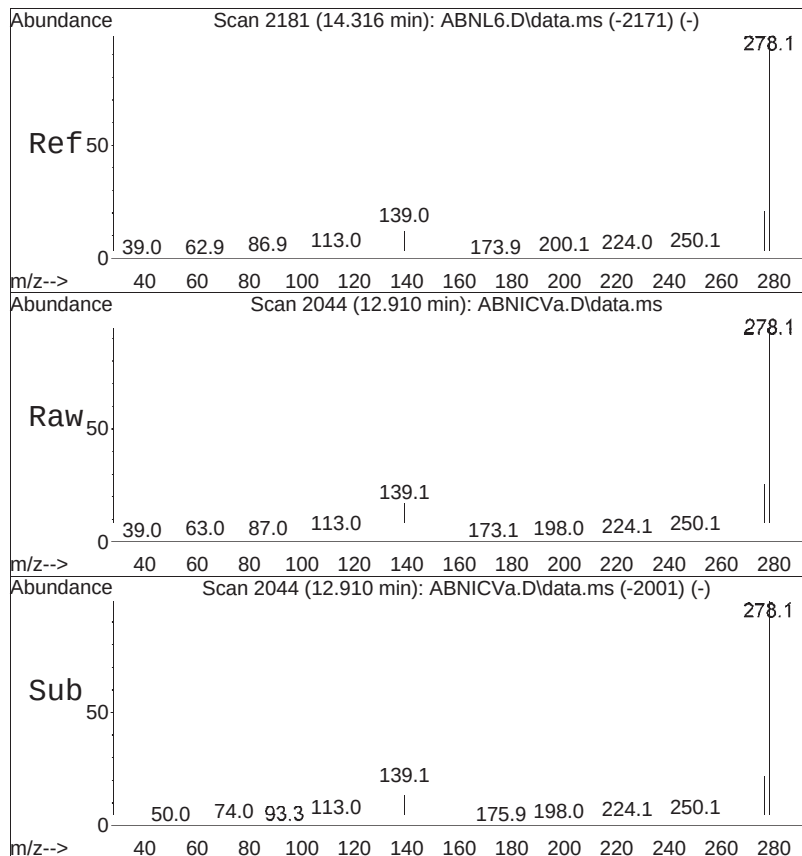




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 4.91 ug/mL M3
 RT: 12.881 min Scan# 2039
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

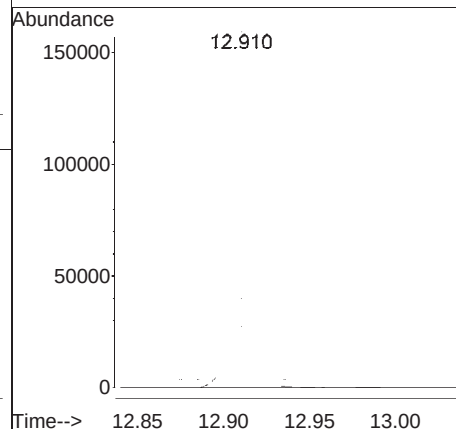
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	188653		
138	23.3		22.1	33.1
277	23.8		19.0	28.6

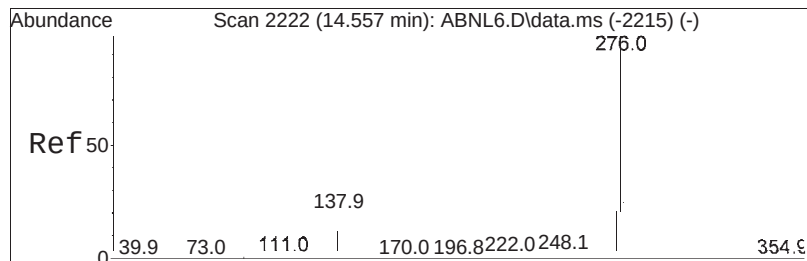




#115
 Dibenzo(a,h)anthracene
 Concen: 5.07 ug/ml M6
 RT: 12.910 min Scan# 2044
 Delta R.T. 0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

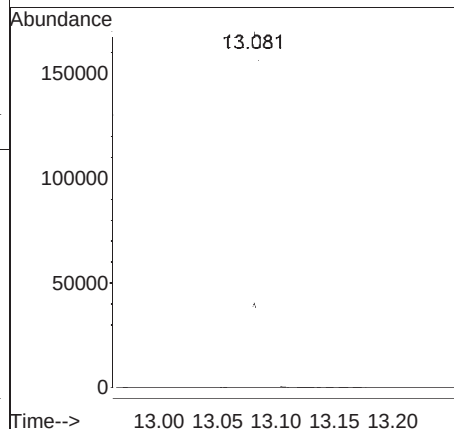
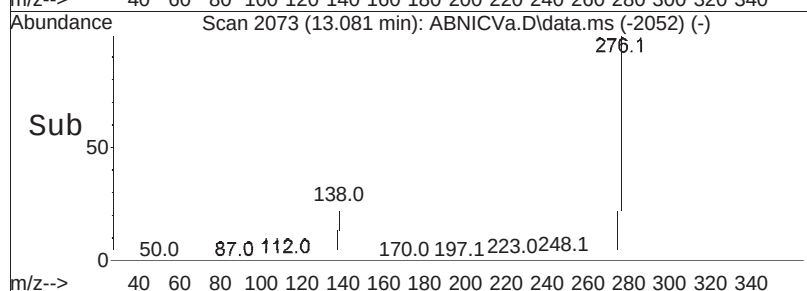
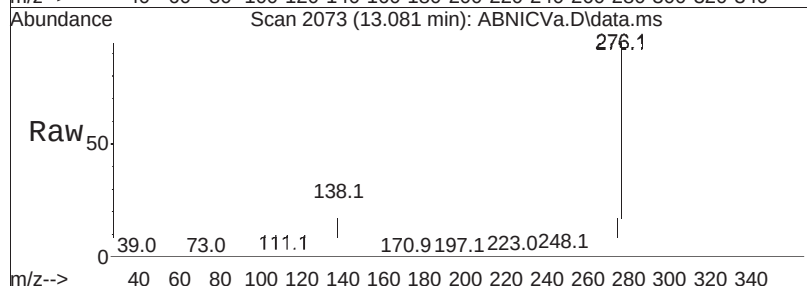
Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	17.8	26.8#
279	24.3	19.2	28.8





#116
 Benzo(ghi)perylene
 Concen: 5.04 ug/ml
 RT: 13.081 min Scan# 2073
 Delta R.T. -0.000 min
 Lab File: ABNICVa.D
 Acq: 18 Aug 2025 06:27 am

Tgt	Ion:276	Resp:	193704
Ion	Ratio	Lower	Upper
276	100		
138	22.8	21.9	32.9
277	23.3	18.4	27.6

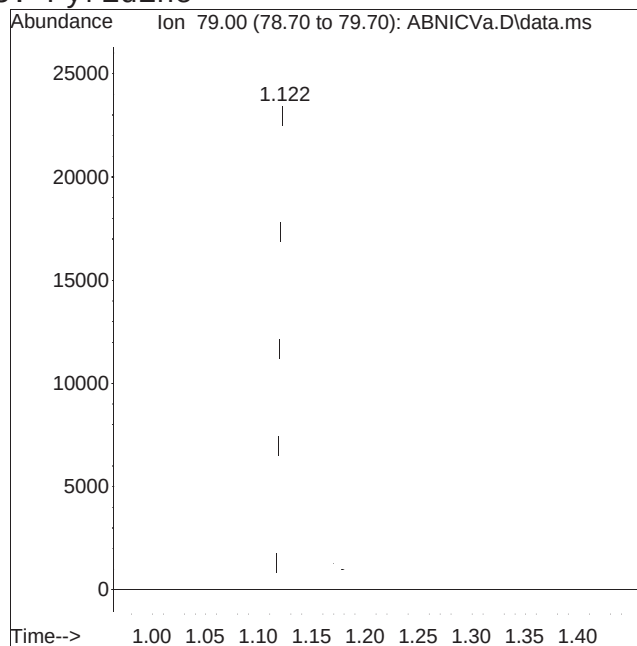
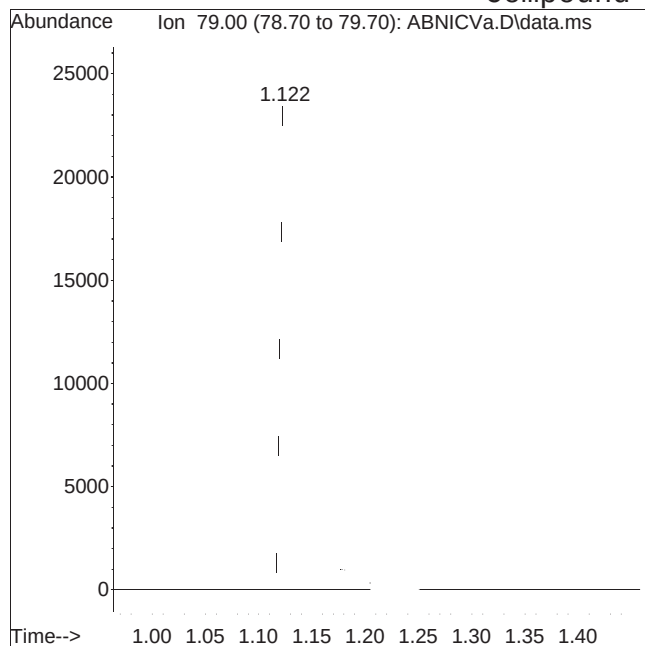


Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #3: Pyridine



Original Peak Response = 30500

Manual Peak Response = 31008 M1

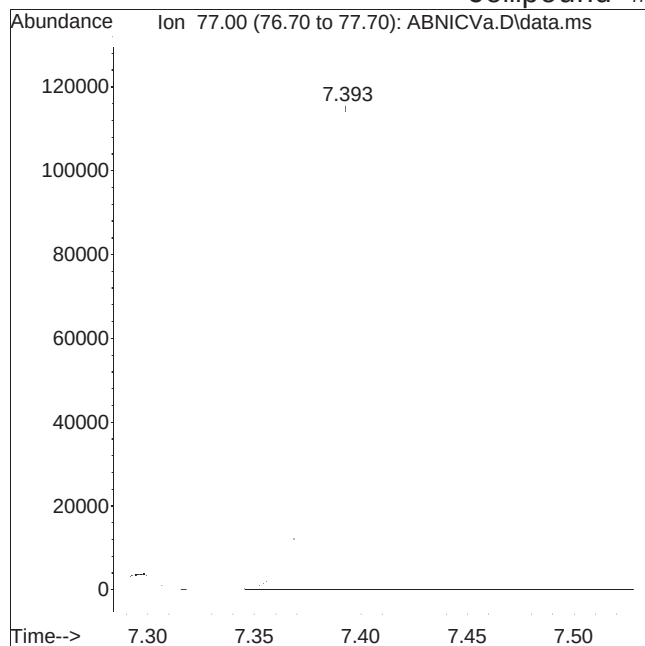
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188

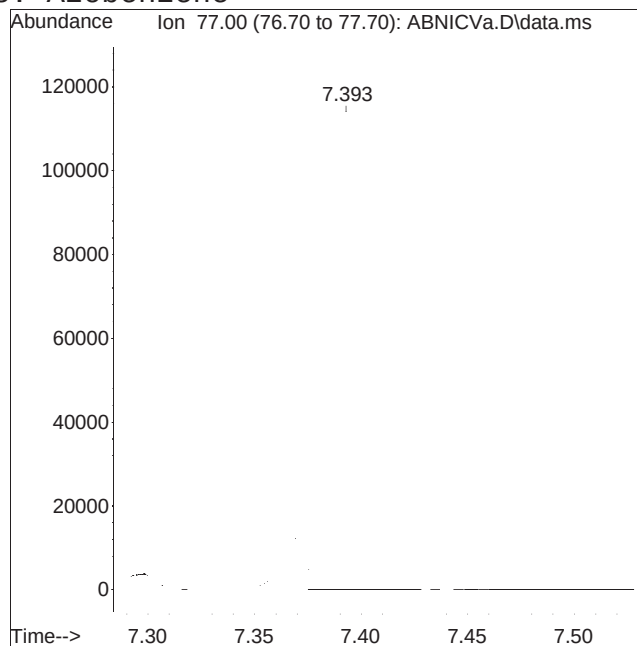
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #78: Azobenzene



Original Peak Response = 101382

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



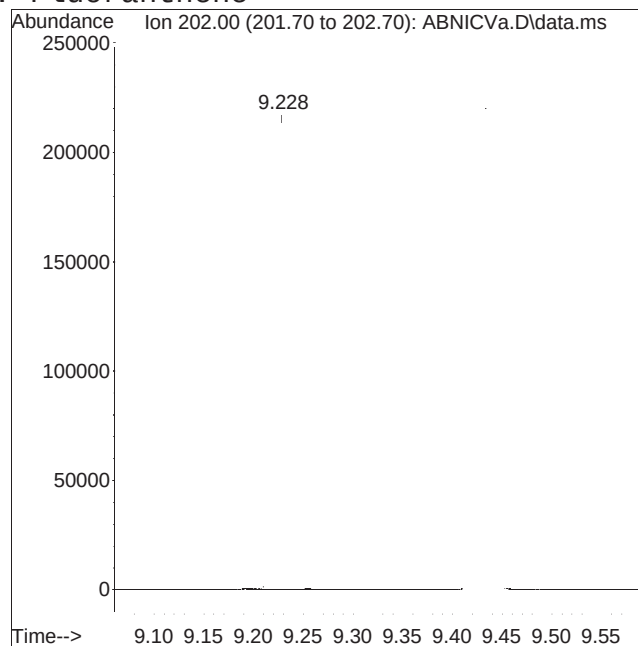
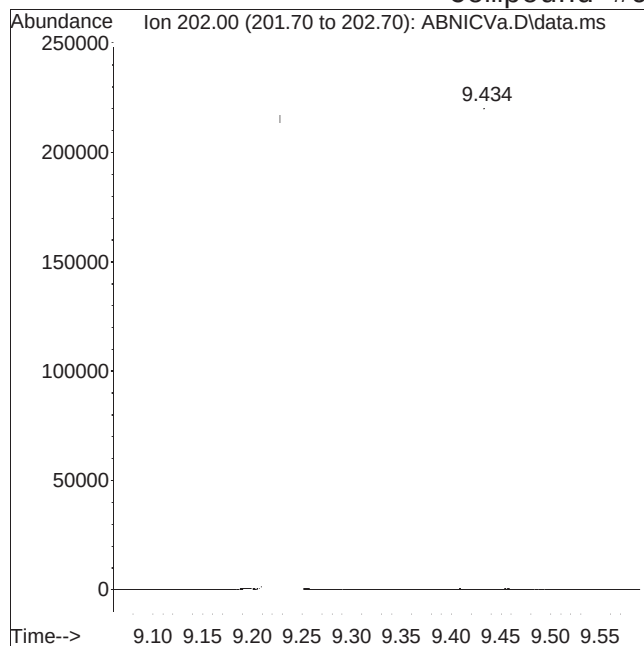
Manual Peak Response = 90814 M6

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #93: Fluoranthene



Original Peak Response = 204632

Manual Peak Response = 191999 M3

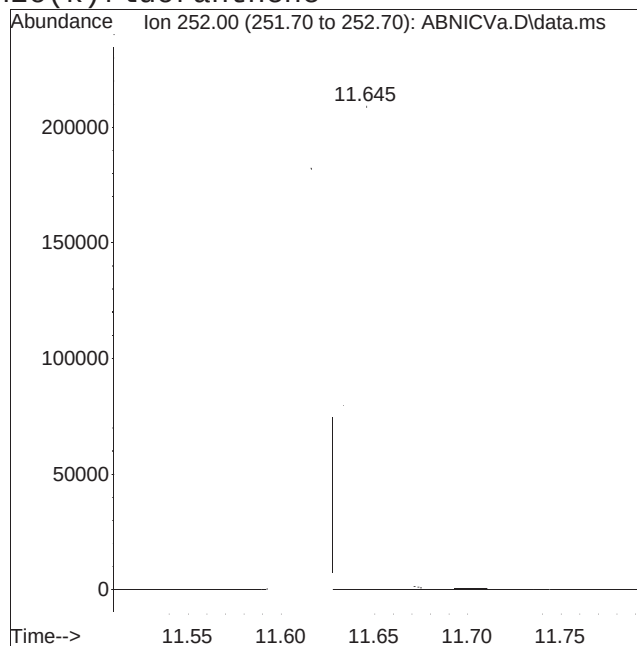
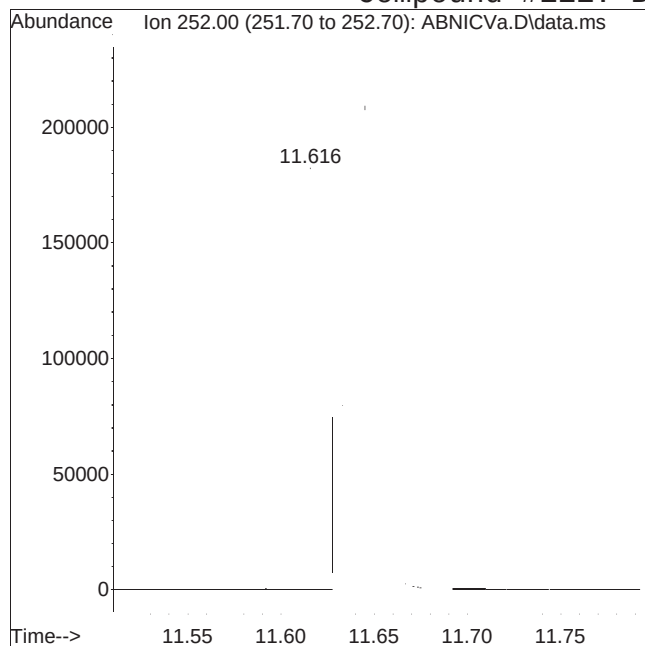
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 201922

Manual Peak Response = 216045 M3

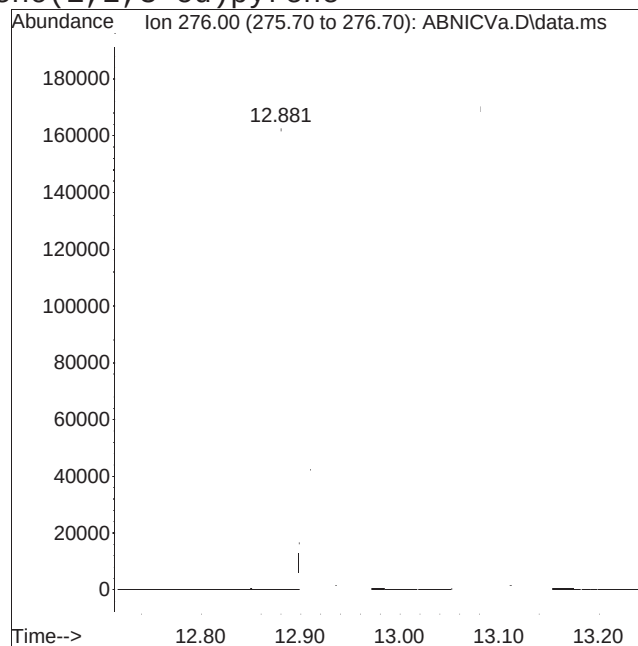
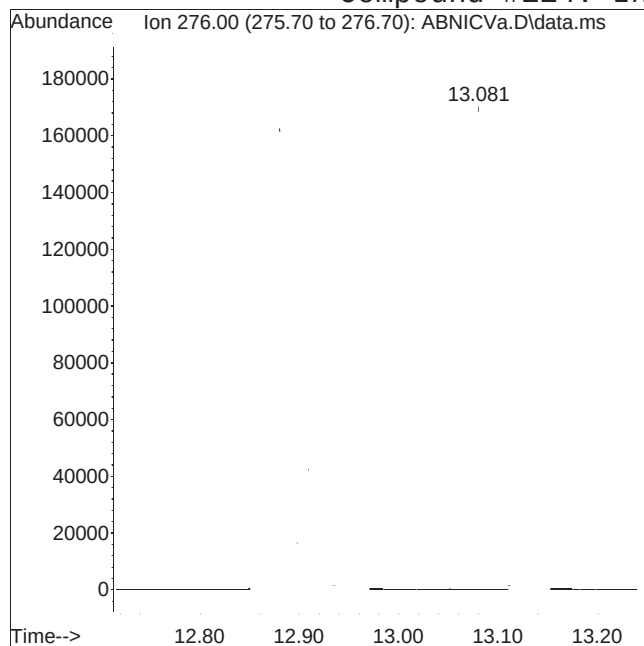
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 1188

Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 192062

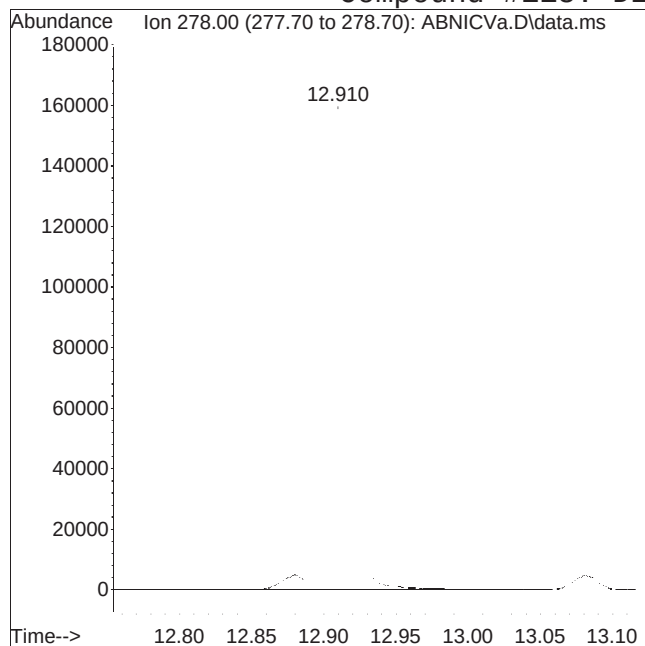
Manual Peak Response = 188653 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

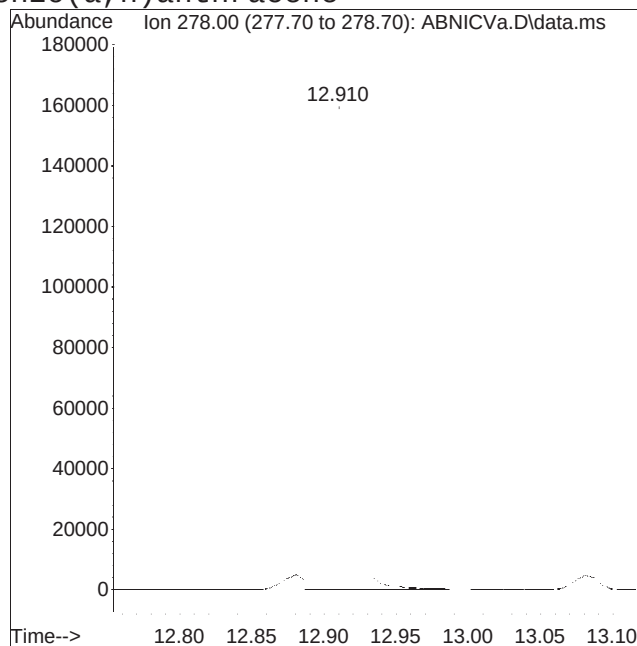
Data Path : I:\8270\SV112\250817RVT\data.ms
Data File : ABNICVa.D
Date Inj'd : 8/18/2025 6:27 am
Sample : CQICV,32,,ABNICV Lot# 118801
Method : FS250817SV112RVT.m
Operator : SV112:slr
Instrument : SV112
Quant Date : 8/18/2025 9:12 am

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 193267

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 187733 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Method Path : I:\8270\SV112\250817RVTical\
 Method File : FS250817SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Aug 18 06:54:37 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
5	T Aniline	L	ug/ml	5.0	4.974	-0.5	0.10	0.139	39.0
22	T 2-Nitrophenol	L	ug/ml	5.0	4.654	-6.9	0.50	0.625	25.0
37	T Benzoic Acid	L	ug/ml	5.0	4.846	-3.1	2.50	2.506	0.2
43	T Hexachlorocyclopentadiene	L	ug/ml	5.0	4.943	-1.1	1.00	1.091	9.1
44	T 2,4,6-Trichlorophenol	L	ug/ml	5.0	4.836	-3.3	0.20	0.287	43.5
45	T 2,4,5-Trichlorophenol	L	ug/ml	5.0	5.193	3.9	0.50	0.553	10.6
48	T 2-Nitroaniline	L	ug/ml	5.0	4.648	-7.0	0.50	0.616	23.2
53	T 2,6-Dinitrotoluene	L	ug/ml	5.0	4.872	-2.6	0.50	0.624	24.8
64	T 3-Nitroaniline	L	ug/ml	5.0	4.917	-1.7	0.50	0.574	14.8
66	T 2,4-Dinitrophenol	L	ug/ml	5.0	4.732	-5.4	1.00	1.141	14.1
68	T 2,4-Dinitrotoluene	L	ug/ml	5.0	4.907	-1.9	0.50	0.584	16.8
69	T 4-Nitrophenol	L	ug/ml	5.0	5.181	3.6	0.50	0.553	10.6
70	T 2,3,5,6-Tetrachlorophenol	L	ug/ml	5.0	4.942	-1.2	0.50	0.529	5.8
71	T 2,3,4,6-Tetrachlorophenol	L	ug/ml	5.0	5.099	2.0	0.50	0.451	-9.8
75	T 4-Nitroaniline	L	ug/ml	5.0	5.008	0.2	0.50	0.545	9.0
76	T 4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.800	-4.0	1.00	1.062	6.2
82	T Pentachlorophenol	L	ug/ml	5.0	4.795	-4.1	1.00	1.084	8.4
94	T Benzidine	L	ug/ml	5.0	5.246	4.9	1.00	0.812	-18.8
97	T Butyl benzyl phthalate	L	ug/ml	5.0	4.942	-1.2	0.50	0.548	9.6
108	T Bis(2-ethylhexyl)phthalate	L	ug/ml	5.0	5.102	2.0	0.20	0.259	29.5
109	T Di-n-octylphthalate	Q	ug/ml	5.0	4.725	-5.5	0.50	0.622	24.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
5	T Aniline	Linear	0.997553	0.000000	2.29872	-0.0460769
22	T 2-Nitrophenol	Linear	0.997355	0.000000	0.823369	-0.0711344
37	T Benzoic Acid	Linear	0.999479	0.000000	0.328005	-0.119385
43	T Hexachlorocyclopentadiene	Linear	0.998337	0.000000	0.3731	-0.0456281
44	T 2,4,6-Trichlorophenol	Linear	0.997070	0.000000	0.326533	-0.0137697
45	T 2,4,5-Trichlorophenol	Linear	0.997835	0.000000	0.347771	-0.0203733
48	T 2-Nitroaniline	Linear	0.997826	0.000000	0.279285	-0.0232673
53	T 2,6-Dinitrotoluene	Linear	0.998623	0.000000	0.244491	-0.0201645
64	T 3-Nitroaniline	Linear	0.997679	0.000000	0.386326	-0.0276163
66	T 2,4-Dinitrophenol	Linear	0.998095	0.000000	0.223872	-0.0464734
68	T 2,4-Dinitrotoluene	Linear	0.997353	0.000000	0.488048	-0.0348655
69	T 4-Nitrophenol	Linear	0.995734	0.000000	0.328494	-0.0244119
70	T 2,3,5,6-Tetrachlorophenol	Linear	0.999530	0.000000	0.484057	-0.0301522
71	T 2,3,4,6-Tetrachlorophenol	Linear	0.999490	0.000000	0.471551	-0.0192829
75	T 4-Nitroaniline	Linear	0.997571	0.000000	0.378154	-0.0240181
76	T 4,6-Dinitro-o-cresol	Linear	0.999187	0.000000	0.30817	-0.0442983
82	T Pentachlorophenol	Linear	0.998539	0.000000	0.429297	-0.0717335
94	T Benzidine	Linear	0.991765	0.000000	0.894478	-0.0468762
97	T Butyl benzyl phthalate	Linear	0.996100	0.000000	0.614995	-0.035877
108	T Bis(2-ethylhexyl)phthalate	Linear	0.994245	0.000000	0.838607	-0.0262394
109	T Di-n-octylphthalate	Quadratic	0.996226	-0.031217	1.62804	-0.148322

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
-----ISTD-----												
1) I	IS1_1,4-Dichlorobenzene-d4	0.625	0.627	0.648	0.651	0.662	0.669	0.715	0.683	0.660	0.660	4.21
2) t	n-Nitrosodimet...	0.909	1.005	1.085	1.116	1.207	1.184	1.274	1.222	1.175	1.131	10.23
3) t	Pyridine	1.000	1.021	1.001	1.070	1.147	1.150	1.218	1.194	1.153	1.106	7.64
4) S	2-Fluorophenol		1.318	1.579	1.766	1.790	1.829	1.917	1.896	1.813	1.738	11.43
5) T	Aniline		1.140	1.249	1.321	1.367	1.380	1.482	1.442	1.373	1.332	8.13
6) t	2-Chlorophenol		1.235	1.291	1.274	1.342	1.353	1.455	1.430	1.353	1.318	7.59
7) S	Phenol-d6		1.337	1.402	1.430	1.476	1.460	1.589	1.553	1.468	1.441	7.13
8) T	Phenol		1.056	1.154	1.160	1.155	1.153	1.227	1.183	1.121	1.143	4.55
9) T	Bis(2-chloroet...		1.521	1.666	1.599	1.571	1.592	1.611	1.692	1.614	1.518	3.63
10) T	1,3-Dichlorobe...		1.660	1.531	1.676	1.616	1.654	1.635	1.727	1.648	1.559	3.64
11) T	1,4-Dichlorobe...		1.556	1.602	1.607	1.539	1.587	1.633	1.575	1.485	1.572	2.77
12) T	1,2-Dichlorobe...		0.792	0.919	0.907	0.939	0.980	1.073	1.070	1.019	0.964	9.14
13) t	Benzyl alcohol		1.869	1.814	1.874	1.874	1.902	1.873	1.957	1.896	1.742	3.22
14) T	Bis(2-chlorois...		1.023	0.916	1.081	1.090	1.106	1.134	1.226	1.217	1.144	8.65
15) T	2-Methylphenol		0.491	0.596	0.593	0.604	0.625	0.620	0.655	0.633	0.599	7.69
16) T	Hexachloroethane		0.714	0.726	0.703	0.805	0.843	0.844	0.919	0.917	0.860	10.23
17) T	n-Nitrosodi-n...		1.201	1.077	1.095	1.170	1.213	1.221	1.339	1.305	1.239	7.12
18) T	3-Methylphenol...		1.107	1.084	1.149	1.192	1.243	1.261	1.360	1.357	1.283	8.22
19) S	Nitrobenzene-d5		1.114	1.129	1.225	1.204	1.290	1.306	1.392	1.390	1.292	8.00
20) T	Nitrobenzene		2.034	2.084	2.111	2.177	2.333	2.360	2.577	2.576	2.409	8.95
21) T	Isophorone			0.493	0.534	0.535	0.635	0.665	0.749	0.776	0.734	17.12
22) T	2-Nitrophenol		1.142	1.150	1.117	1.218	1.288	1.344	1.427	1.417	1.337	9.35
23) T	2,4-Dimethylph...		1.391	1.497	1.492	1.513	1.613	1.560	1.658	1.651	1.542	5.54
24) T	Bis(2-chloroet...		0.989	0.948	1.054	1.135	1.212	1.232	1.357	1.341	1.259	12.63
25) T	2,4-Dichloroph...											
26) T	1,2,4-Trichlor...		1.342	1.329	1.312	1.380	1.396	1.375	1.462	1.429	1.342	3.58
-----ISTD-----												
27) I	IS2_1,4-Dichlorobenzene-d4											
28) T	Benzaldehyde	0.678	0.660	0.659	0.656	0.650	0.634	0.633	0.613	0.622	0.645	3.22
29) T	Acetophenone	1.895	1.931	2.072	1.849	1.891	1.873	1.878	1.853	1.903	1.905	3.56

Response Factor Report SV 106

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Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

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L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	AVG	%RSD
30) T m-Toluidine		0.747	0.912	1.162	1.209	1.261	1.257	1.311	1.123	18.79	
31) T 2-Chloroaniline	1.668	1.617	1.753	1.641	1.748	1.750	1.800	1.743	1.724	3.80	
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) t 1,4-Dioxane	0.606	0.475	0.495	0.460	0.452	0.426	0.458	0.442	0.477	11.74	
34) T n-Decane	1.451	1.569	1.484	1.428	1.409	1.421	1.366	1.489	1.426	4.05	
35) I IS1_Naphthalene-d8	-----ISTD-----										
36) T Naphthalene	1.082	1.113	1.085	1.081	1.083	1.076	1.119	1.089	1.010	1.082	2.84
37) T Benzoic Acid				0.132	0.162	0.197	0.245	0.274	0.268	*L	0.9972
38) T 4-Chloroaniline	0.100	0.096	0.113	0.122	0.122	0.122	0.129	0.128	0.121	0.117	10.11
39) T Hexachlorobuta...	0.178	0.207	0.203	0.198	0.202	0.201	0.213	0.205	0.196	0.200	4.85
40) T p-Chloro-m-cresol	0.278	0.248	0.266	0.255	0.285	0.289	0.317	0.317	0.301	0.284	8.87
41) T 2-Methylnaphth...	0.673	0.640	0.606	0.630	0.633	0.634	0.677	0.662	0.612	0.641	3.92
42) T 1-Methylnaphth...	0.209	0.233	0.228	0.220	0.232	0.224	0.241	0.235	0.224	0.227	4.09
43) T Hexachlorocycl...	0.242	0.230	0.231	0.250	0.256	0.258	0.276	0.278	0.265	0.254	6.84
44) T 2,4,6-Trichlor...	0.160	0.165	0.197	0.211	0.216	0.228	0.249	0.254	0.240	0.213	16.00
45) T 2,4,5-Trichlor...	0.224	0.200	0.197	0.220	0.247	0.252	0.276	0.277	0.261	0.239	12.74
46) S 2-Fluorobiphenyl	0.843	0.835	0.796	0.808	0.825	0.808	0.857	0.835	0.777	0.821	3.09
47) T 2-Chloronaphth...	0.695	0.743	0.714	0.725	0.725	0.722	0.766	0.751	0.700	0.727	3.20
48) T 2-Nitroaniline	0.155	0.161	0.170	0.187	0.207	0.224	0.249	0.258	0.243	0.206	19.20
49) T 1,4-Dinitroben...		0.071	0.072	0.090	0.096	0.102	0.113	0.119	0.114	0.097	19.22
50) T 1,3-Dinitroben...		0.090	0.089	0.091	0.109	0.120	0.132	0.136	0.127	0.112	17.57
51) T Dimethyl phtha...	0.834	0.825	0.786	0.845	0.862	0.868	0.935	0.910	0.847	0.857	5.21
52) T Acenaphthylene	1.111	1.063	1.083	1.141	1.192	1.213	1.286	1.264	1.177	1.170	6.61
53) T 2,6-Dinitrotol...		0.131	0.132	0.153	0.171	0.176	0.195	0.194	0.185	0.167	15.47
54) T 1,2-Dinitroben...		0.054	0.054	0.069	0.076	0.079	0.085	0.084	0.081	0.073	17.37
55) I IS2_Naphthalene-d8	-----ISTD-----										
56) T a-Terpineol	0.261	0.270	0.259	0.260	0.264	0.266	0.275	0.275	0.273	0.267	2.41
57) T 3-Chloroaniline		0.102	0.112	0.111	0.120	0.122	0.118	0.115	0.115	0.114	5.48

Response Factor Report SV 106

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

Calibration Files

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L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	AVG	%RSD
58) T 2,6-Dichloroph...	0.275	0.262	0.282	0.257	0.283	0.289	0.305	0.307	0.308	0.285	6.59
59) T 1-chloro-2-nit...	0.117	0.121	0.131	0.138	0.137	0.136	0.144	0.144	0.145	0.135	7.49
60) T Caprolactam		0.113	0.120	0.124	0.145	0.148	0.156	0.161	0.166	0.142	14.18
61) T 1,2,4,5-Tetrac...	0.390	0.417	0.395	0.364	0.366	0.364	0.360	0.353	0.350	0.373	5.99
62) T Biphenyl	1.080	0.960	0.943	0.906	0.928	0.905	0.900	0.882	0.874	0.931	6.70
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline	0.272	0.286	0.317	0.357	0.357	0.365	0.383	0.386	0.367	0.342	12.90
65) T Acenaphthene	1.251	1.111	1.104	1.139	1.138	1.119	1.152	1.133	1.074	1.136	4.34
66) T 2,4-Dinitrophenol			0.125	0.138	0.158	0.179	0.199	0.199	0.195	0.166	18.30
67) T Dibenzofuran	1.914	1.931	1.798	1.861	1.847	1.817	1.873	1.835	1.721	1.844	3.41
68) T 2,4-Dinitrotol...	0.312	0.303	0.330	0.348	0.401	0.426	0.452	0.456	0.433	0.385	15.99
69) T 4-Nitrophenol	0.249	0.176	0.215	0.220	0.236	0.250	0.263	0.267	0.266	0.238	12.64
70) T 2,3,5,6-Tetrac...		0.235	0.281	0.315	0.354	0.368	0.387	0.397	0.381	0.340	16.92
71) T 2,3,4,6-Tetrac...	0.252	0.230	0.304	0.319	0.358	0.367	0.389	0.381	0.369	0.330	17.50
72) T Diethyl phthalate	1.608	1.488	1.406	1.471	1.517	1.532	1.572	1.566	1.487	1.516	4.05
73) T Fluorene	1.576	1.453	1.402	1.417	1.466	1.422	1.473	1.447	1.367	1.447	4.06
74) T 4-Chlorophenyl...	0.763	0.666	0.677	0.690	0.698	0.684	0.694	0.681	0.643	0.688	4.70
75) T 4-Nitroaniline	0.279	0.294	0.280	0.322	0.348	0.367	0.392	0.384	0.367	0.337	13.14
76) T 4,6-Dinitro-o-...			0.148	0.176	0.201	0.219	0.245	0.257	0.251	0.214	19.28
77) T NDPA/DPA	1.240	1.142	1.119	1.214	1.236	1.236	1.279	1.243	1.176	1.209	4.35
78) T Azobenzene	1.256	1.163	1.201	1.253	1.325	1.316	1.341	1.328	1.264	1.272	4.84
79) S 2,4,6-Tribromo...		0.152	0.174	0.186	0.197	0.200	0.210	0.220	0.212	0.194	11.57
80) T 4-Bromophenyl ...	0.464	0.432	0.402	0.418	0.424	0.413	0.434	0.427	0.405	0.424	4.38
81) T Hexachlorobenzene	0.521	0.488	0.460	0.464	0.481	0.459	0.472	0.474	0.456	0.475	4.26
82) T Pentachlorophenol			0.197	0.249	0.276	0.310	0.324	0.324	0.323	0.280	17.94
83) I IS2_Acenaphthene-d10	-----ISTD-----										
84) T Dichloran	0.147	0.124	0.138	0.135	0.146	0.161	0.174	0.193	0.207	0.158	17.57
85) T Pentachloronit...		0.110	0.139	0.135	0.154	0.164	0.170	0.176	0.187	0.154	16.28

Response Factor Report SV 106

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Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025
Response Via : Initial Calibration

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L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	AVG	%RSD
-----ISTD-----												
86) I	IS3_Acenaphthene-d10	0.309	0.334	0.345	0.341	0.354	0.377	0.391	0.448	0.447	0.372	13.19
87) T	Atrazine											
-----ISTD-----												
88) I	IS1_Phenanthrene-d10	1.371	1.263	1.179	1.178	1.164	1.168	1.218	1.175	1.104	1.202	6.34
89) T	Phenanthrene	1.219	1.185	1.107	1.147	1.170	1.177	1.260	1.203	1.132	1.178	3.94
90) T	Anthracene	1.003	1.023	1.026	1.069	1.101	1.117	1.192	1.136	1.064	1.081	5.65
91) T	Carbazole	1.166	1.108	1.070	1.167	1.264	1.333	1.456	1.451	1.377	1.266	11.52
92) T	Di-n-butylphth...	1.364	1.261	1.208	1.274	1.297	1.306	1.390	1.323	1.242	1.296	4.47
93) T	Fluoranthene											
94) T	Benzidine											
95) T	Pyrene	1.449	1.366	1.307	1.384	1.383	1.387	1.466	1.403	1.300	1.383	4.02
96) S	4-Terphenyl-d14	1.126	0.947	0.937	0.957	0.963	0.957	1.026	0.994	0.935	0.982	6.21
97) T	Butyl benzyl p...	0.449	0.408	0.431	0.458	0.519	0.563	0.643	0.660	0.630	0.529	18.59
-----ISTD-----												
98) I	IS2_Phenanthrene-d10	0.451	0.409	0.439	0.457	0.505	0.514	0.532	0.532	0.543	0.487	9.95
99) T	Diphenamid											
-----ISTD-----												
100) I	IS3_Phenanthrene-d10	0.450	0.480	0.469	0.459	0.462	0.490	0.491	0.524	0.494	0.480	4.72
101) T	n-Octadecane											
102) T	Parathion											
103) T	3,3'-Dimethylb...											
-----ISTD-----												
104) I	IS1_Chrysene-d12	1.511	1.315	1.289	1.310	1.335	1.318	1.412	1.375	1.277	1.349	5.47
105) T	Benzo(a)anthra...	0.387	0.381	0.410	0.441	0.484	0.495	0.538	0.538	0.505	0.464	13.26
106) T	3,3'-Dichlorob...	1.506	1.443	1.348	1.330	1.324	1.278	1.335	1.269	1.194	1.336	6.96
107) T	Chrysene	0.820	0.652	0.685	0.755	0.860	0.905	1.000	1.001	0.940	0.846	15.20
108) T	Bis(2-ethylhex...											
109) T	Di-n-octylphth...											
110) T	Benzo(b)fluora...	1.294	1.242	1.272	1.269	1.271	1.242	1.362	1.307	1.239	1.278	3.09
111) T	Benzo(k)fluora...	1.319	1.241	1.207	1.316	1.368	1.336	1.382	1.325	1.231	1.303	4.75
112) T	Benzo(a)pyrene	1.127	1.076	1.125	1.215	1.230	1.227	1.313	1.264	1.197	1.197	6.26

Response Factor Report SV 106

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Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
		-----ISTD-----										
113) I	IS1_Perylene-d12											
114) T	Indeno(1,2,3-c...	1.099	0.994	0.991	1.063	1.102	1.150	1.260	1.277	1.329	1.141	10.81
115) T	Dibenzo(a,h)an...	1.138	1.113	1.084	1.145	1.156	1.194	1.272	1.275	1.252	1.181	6.01
116) T	Benzo(ghi)pery...	1.225	1.122	1.082	1.111	1.132	1.151	1.231	1.220	1.197	1.164	4.80

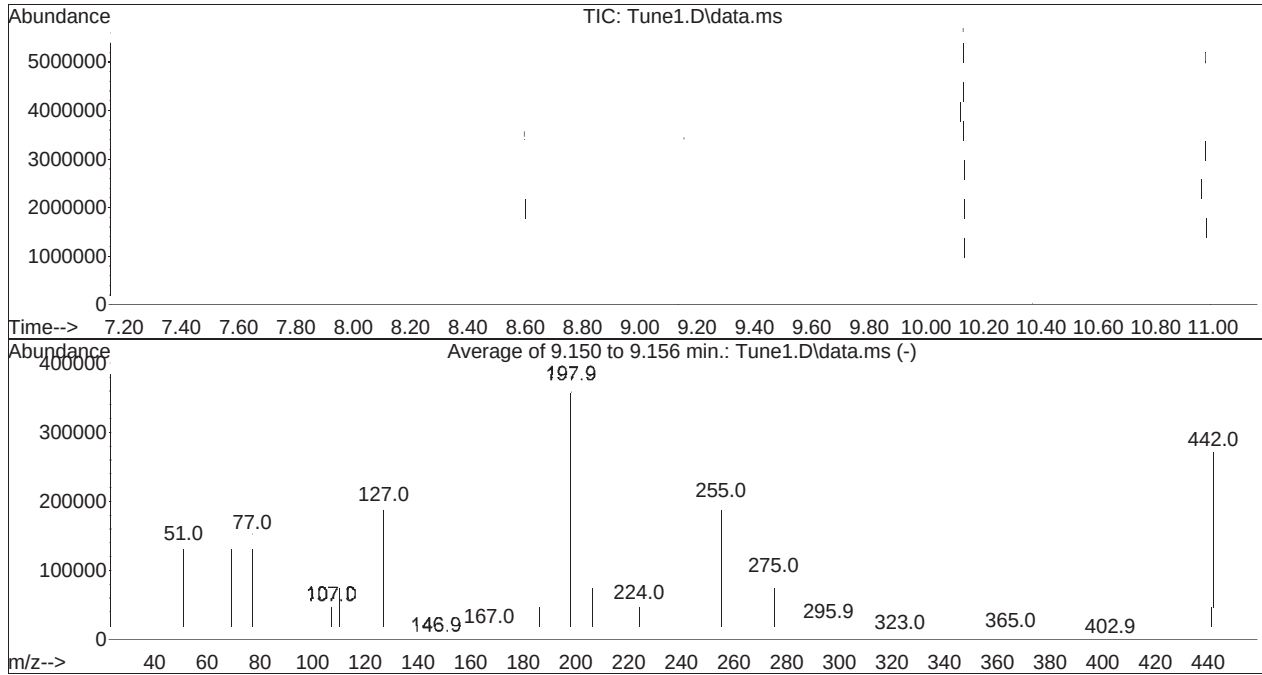
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV106\250827ICAL\
 Data File : Tune1.D
 Acq On : 27 Aug 2025 7:04 pm
 Operator : SV106:smz
 Sample : Tune1 Lot# 11857
 Misc : WG2108428,,
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Aug 28 09:56:36 2025



Spectrum Information: Average of 9.150 to 9.156 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.8	136925	PASS
68	69	0.00	2	1.0	1423	PASS
69	69	100	100	100.0	144555	PASS
70	69	0.00	2	0.5	760	PASS
127	198	10	80	50.5	193152	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	382400	PASS
199	198	5	9	6.6	25283	PASS
275	198	10	60	23.7	90456	PASS
365	198	1	100	2.6	9949	PASS
441	442	0.01	24	16.9	46181	PASS
442	198	50	100	71.6	273877	PASS
443	442	15	24	19.3	52861	PASS

Data Path : I:\8270\SV106\250827\ICAL\

Data File : Tune1.D

Acq On : 27 Aug 2025 7:04 pm

Operator : SV106:smz

Sample : Tune1 Lot# 11857

Misc : WG2108428,,

ALS Vial : 141 Sample Multiplier: 1

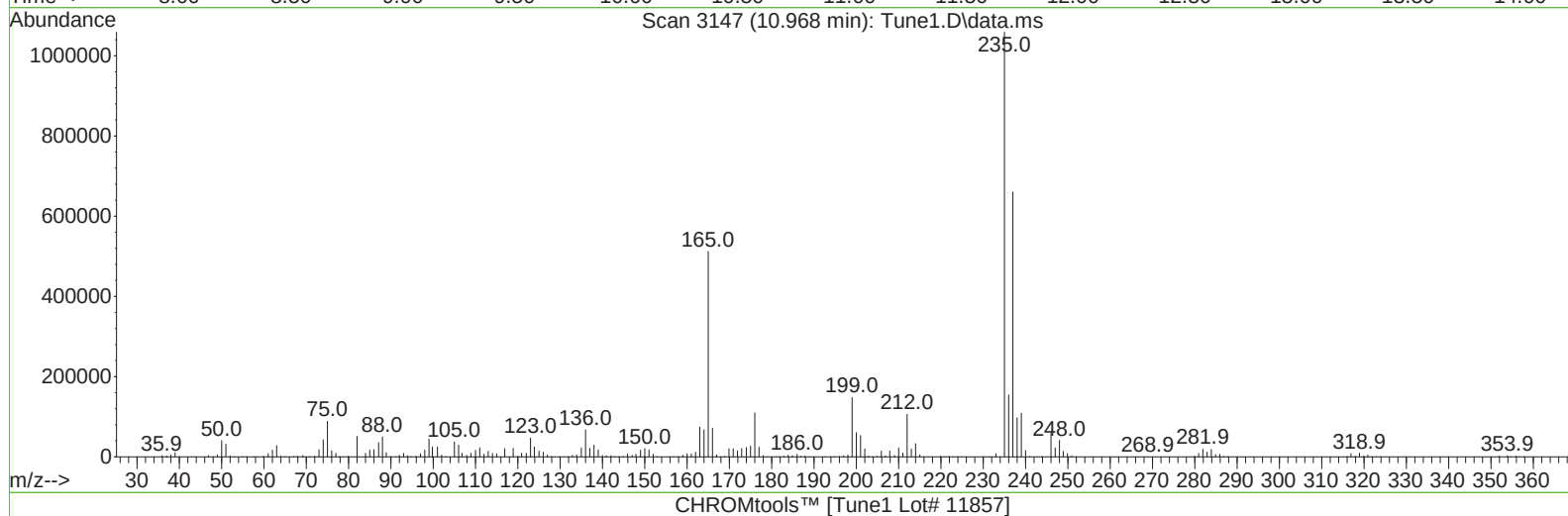
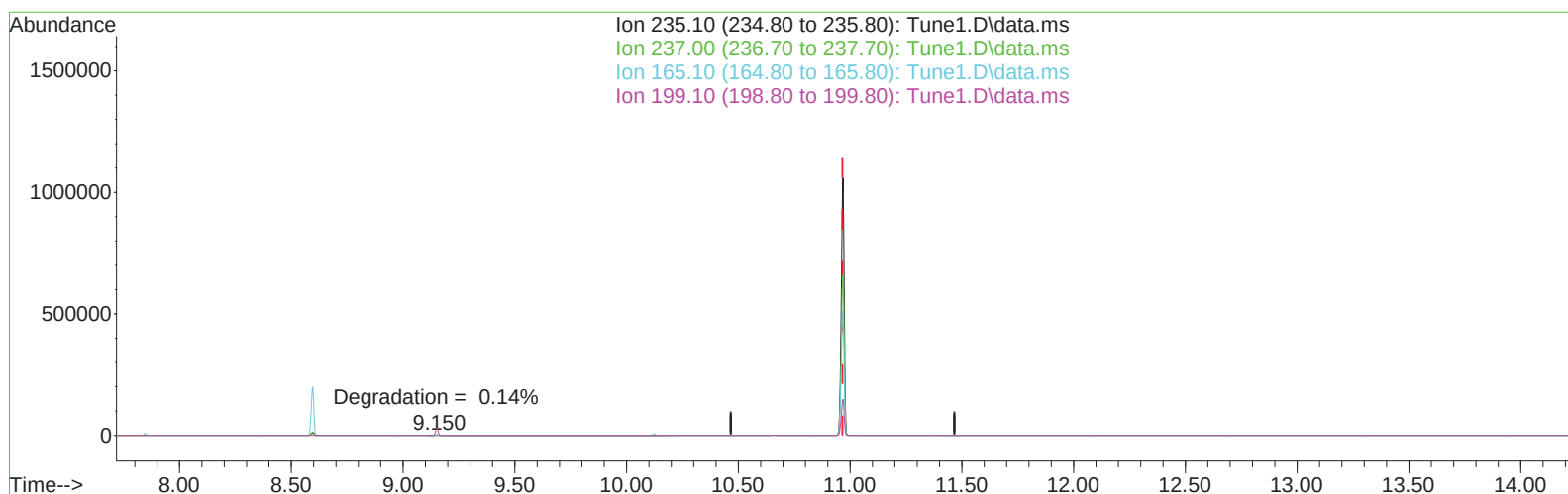
Quant Time: Aug 28 05:28:58 2025

Quant Method : I:\8270\SV106\250827\ICAL\DftppSV106.m

Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Thu Aug 28 05:29:49 2025

sp



(6) DDT (T)

10.968min (0.000) 154.09

response 939307

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.08
165.10	44.50	49.64
199.10	14.80	14.12

Duplicate Retention Times

(2) DFTPP 198.00

Data Path : I:\8270\SV106\250827\ICAL\

Data File : Tune1.D

Acq On : 27 Aug 2025 7:04 pm

Operator : SV106:smz

Sample : Tune1 Lot# 11857

Misc : WG2108428,,

ALS Vial : 141 Sample Multiplier: 1

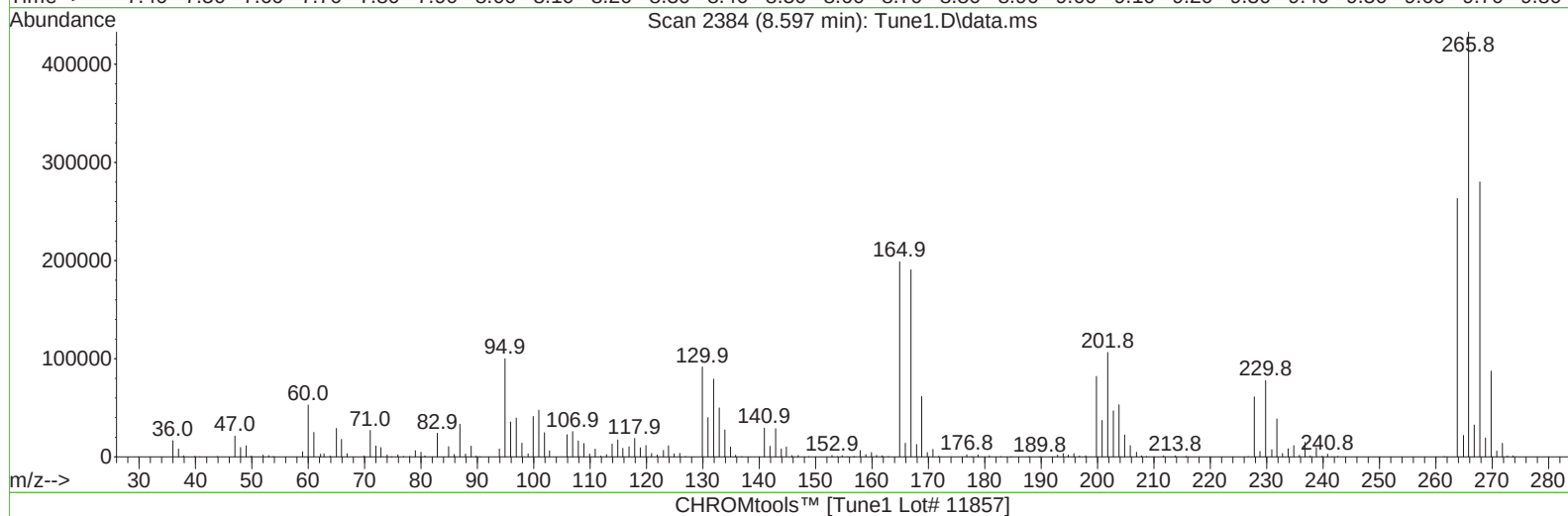
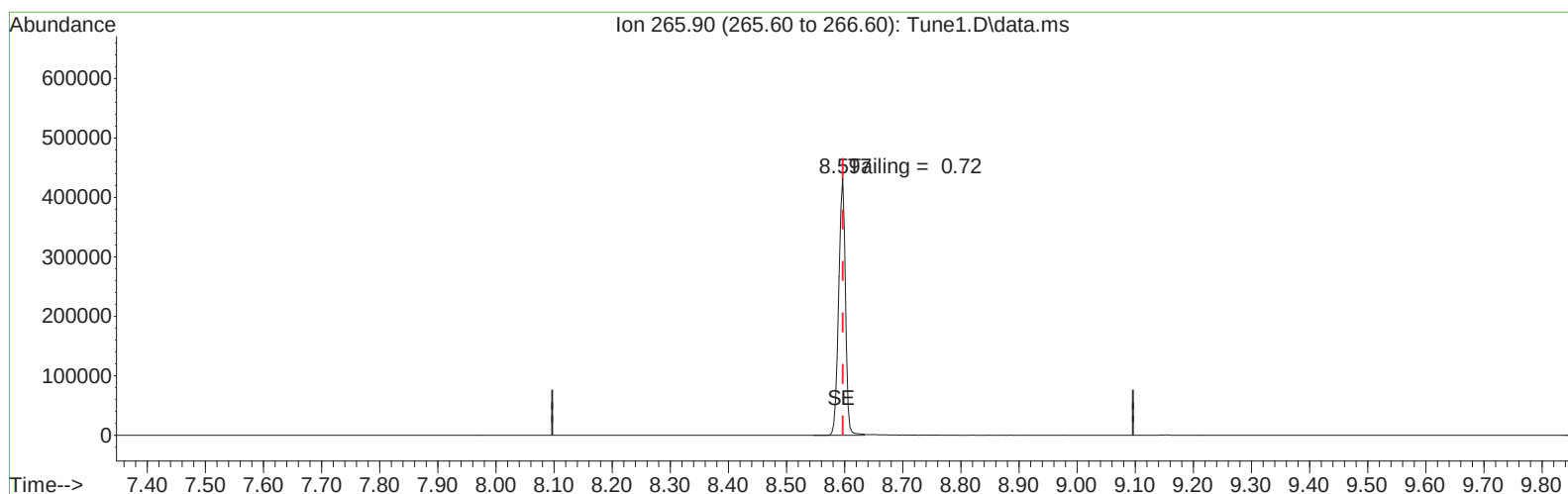
Quant Time: Aug 28 05:28:58 2025

Quant Method : I:\8270\SV106\250827\ICAL\DftppSV106.m

Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Thu Aug 28 05:29:49 2025

sp



(1) Pentachlorophenol (T)

8.597min (-0.000) 167.02

response 350794

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL9.D
 Acq On : 27 Aug 2025 8:12 pm
 Operator : SV106:smz
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108428,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.301	152	36072	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	106.12%		
35) IS1_Naphthalene-d8	5.575	136	145103	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	107.39%		
63) IS1_Acenaphthene-d10	7.313	164	86594	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	108.04%		
88) IS1_Phenanthrene-d10	8.761	188	164312	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	106.18%		
104) IS1_Chrysene-d12	11.412	240	167935	4.000	ug/ml	0.02
Standard Area 1 = 156844			Recovery =	107.07%		
113) IS1_Perylene-d12	12.873	264	165243	4.000	ug/ml	0.02
Standard Area 1 = 164937			Recovery =	100.19%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.971	112	519944	52.411	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2620.55%#		
7) Phenol-d6	4.000	99	610254	51.516	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2575.80%#		
19) Nitrobenzene-d5	4.870	82	578616	52.620	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	5262.00%#		
46) 2-Fluorobiphenyl	6.676	172	1408983	47.016	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	4701.60%#		
79) 2,4,6-Tribromophenol	8.093	330	229254	55.333	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	2766.65%#		
96) 4-Terphenyl-d14	10.371	244	1920378	47.305	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	4730.50%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.550	74	297403	49.970	ug/ml#	71
3) Pyridine	1.578	79	530028	52.228	ug/ml#	65
5) Aniline	3.975	93	817278	55.929	ug/ml	97
6) 2-Chlorophenol	4.093	128	619076	51.750	ug/ml#	88
8) Phenol	4.012	94	662132	51.074	ug/ml	94
9) Bis(2-chloroethyl)ether	4.071	93	505477	48.930	ug/ml	96
10) 1,3-Dichlorobenzene	4.242	146	684431	47.196	ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	703068	47.440	ug/ml	97
12) 1,2-Dichlorobenzene	4.466	146	669469	46.909	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL9.D
 Acq On : 27 Aug 2025 8:12 pm
 Operator : SV106:smz
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108428,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.478	79	459630	53.237	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.631	45	785403	46.265	ug/ml#	54
15) 2-Methylphenol	4.618	108	516043	52.062	ug/ml	99
16) Hexachloroethane	4.805	117	270260	49.774	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.761	70	387740	53.157	ug/ml	97
18) 3-Methylphenol/4-Methy...	4.783	108	558605	51.499	ug/ml	98
20) Nitrobenzene	4.888	77	582494	51.415	ug/ml	93
21) Isophorone	5.143	82	1086336	52.797	ug/ml	99
22) 2-Nitrophenol	5.209	139	331091	58.592	ug/ml#	86
23) 2,4-Dimethylphenol	5.305	107	602729	52.915	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.395	93	695150	49.826	ug/ml	97
25) 2,4-Dichlorophenol	5.460	162	567731	54.338	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.532	180	605019	48.682	ug/ml	98
36) Naphthalene	5.597	128	1832125	46.296	ug/ml	99
37) Benzoic Acid	5.488	105	486342	73.141	ug/ml	92
38) 4-Chloroaniline	5.678	65	218635	51.687	ug/ml#	61
39) Hexachlorobutadiene	5.756	225	355629	48.786	ug/ml	98
40) p-Chloro-m-cresol	6.194	107	545971	53.418	ug/ml	94
41) 2-Methylnaphthalene	6.290	142	1109586	47.474	ug/ml	96
42) 1-Methylnaphthalene	6.383	115	406758	49.276	ug/ml	94
43) Hexachlorocyclopentadiene	6.464	237	480294	52.388	ug/ml	99
44) 2,4,6-Trichlorophenol	6.589	196	434920	57.086	ug/ml	98
45) 2,4,5-Trichlorophenol	6.617	196	474294	55.244	ug/ml	99
47) 2-Chloronaphthalene	6.766	162	1270178	47.949	ug/ml	97
48) 2-Nitroaniline	6.887	138	440804	60.308	ug/ml#	77
49) 1,4-Dinitrobenzene	7.027	168	207550M3	60.484	ug/ml	
50) 1,3-Dinitrobenzene	7.105	168	230355	57.954	ug/ml#	1
51) Dimethyl phthalate	7.111	163	1537020	49.378	ug/ml#	98
52) Acenaphthylene	7.170	152	2135394	50.346	ug/ml	98
53) 2,6-Dinitrotoluene	7.145	165	334790	56.059	ug/ml#	74
54) 1,2-Dinitrobenzene	7.189	168	146559	56.472	ug/ml#	74
64) 3-Nitroaniline	7.300	138	397394	54.313	ug/ml#	85
65) Acenaphthene	7.347	154	1162071	46.940	ug/ml	92
66) 2,4-Dinitrophenol	7.400	184	210653	64.975	ug/ml#	87
67) Dibenzofuran	7.518	168	1863060	46.280	ug/ml#	75
68) 2,4-Dinitrotoluene	7.537	165	468854	57.216	ug/ml#	77
69) 4-Nitrophenol	7.506	65	287418	56.564	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	7.611	232	412195	59.776	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL9.D
 Acq On : 27 Aug 2025 8:12 pm
 Operator : SV106:smz
 Sample : IL2,32,,ABNL50 Lot# 11885
 Misc : WG2108428,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 28 06:06:04 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.655	232	399383	56.750	ug/ml	97
72)	Diethyl phthalate	7.810	149	1609517	48.912	ug/ml	99
73)	Fluorene	7.854	166	1479258	46.896	ug/ml	94
74)	4-Chlorophenyl phenyl ...	7.878	204	696220	46.334	ug/ml	91
75)	4-Nitroaniline	7.906	138	397067M3	55.035	ug/ml	
76)	4,6-Dinitro-o-cresol	7.938	198	272034	67.273	ug/ml#	63
77)	NDPA/DPA	8.003	169	1272602	48.436	ug/ml	95
78)	Azobenzene	8.034	77	1368282	49.655	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.354	248	438567	54.211	ug/ml#	85
81)	Hexachlorobenzene	8.398	284	493916	47.791	ug/ml#	87
82)	Pentachlorophenol	8.596	266	349179	68.440	ug/ml	99
89)	Phenanthrene	8.789	178	2267394	45.452	ug/ml	99
90)	Anthracene	8.839	178	2324054	47.804	ug/ml	98
91)	Carbazole	9.013	167	2186351	49.130	ug/ml	98
92)	Di-n-butylphthalate	9.426	149	2828662	54.998	ug/ml	98
93)	Fluoranthene	9.958	202	2550034	47.649	ug/ml#	94
94)	Benzidine	10.123	184	1858216	71.130	ug/ml#	95
95)	Pyrene	10.172	202	2670011	46.659	ug/ml	99
97)	Butyl benzyl phthalate	10.906	149	1293519	60.980	ug/ml	86
105)	Benzo(a)anthracene	11.403	228	2681178	47.024	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.416	252	1060089	54.989	ug/ml	98
107)	Chrysene	11.444	228	2505579M3	44.070	ug/ml	
108)	Bis(2-ethylhexyl)phtha...	11.549	149	1972341	56.273	ug/ml#	91
109)	Di-n-octylphthalate	12.230	149	3393347	61.859	ug/ml#	72
110)	Benzo(b)fluoranthene	12.513	252	2601112	48.311	ug/ml	96
111)	Benzo(k)fluoranthene	12.544	252	2583702M3	46.909	ug/ml	
112)	Benzo(a)pyrene	12.827	252	2512216	49.978	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.852	276	2745710	59.499	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.877	278	2586375	53.412	ug/ml#	95
116)	Benzo(ghi)perylene	14.085	276	2473408	51.644	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

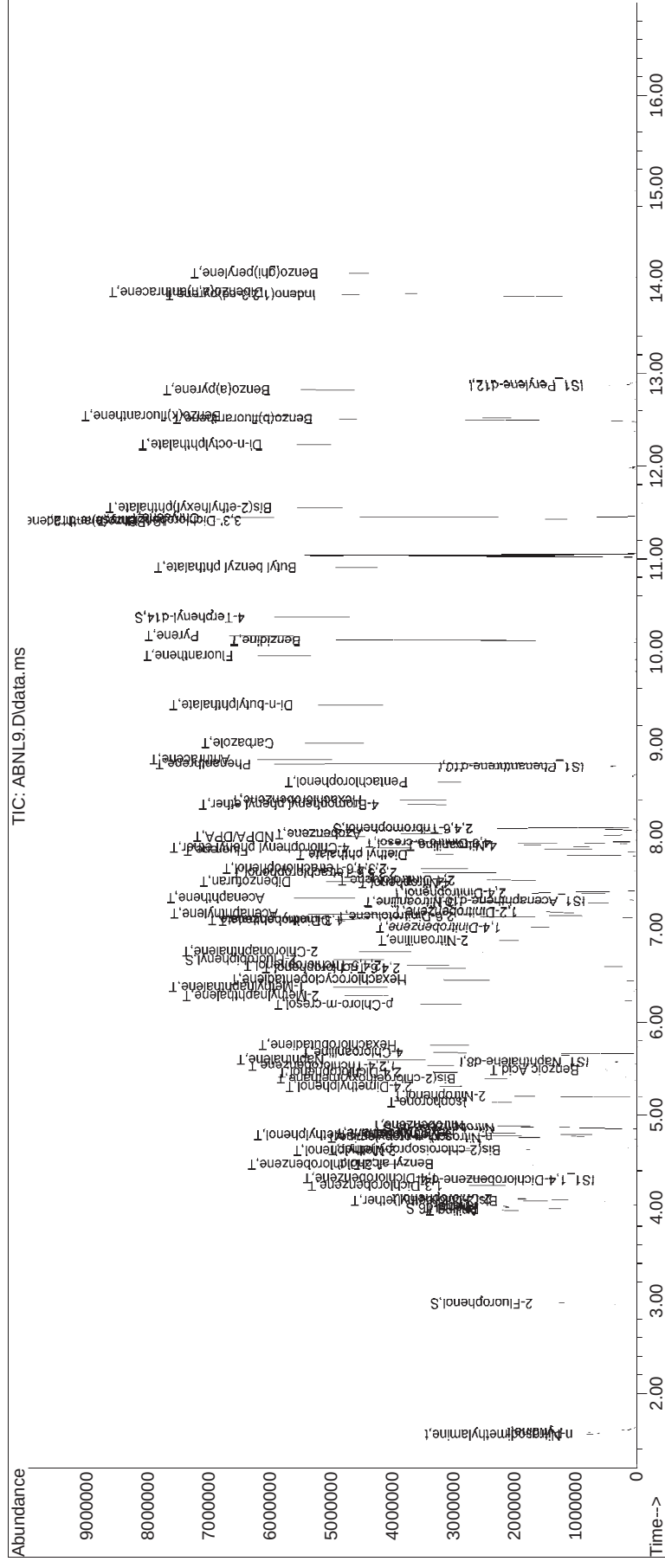
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ABNL9.D
Acq On        : 27 Aug 2025   8:12 pm
Operator      : SV106:smz
Sample        : IL2,32,,ABNL50 Lot# 11885
Misc          : WG2108428,,
ALS Vial      : 1 Sample Multiplier: 1

```

Quant Time: Aug 28 06:06:04 2025
Quant Method : I:\8270\SV106\250827ICAL\F250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:05:57 2025
Response via : Initial Calibration

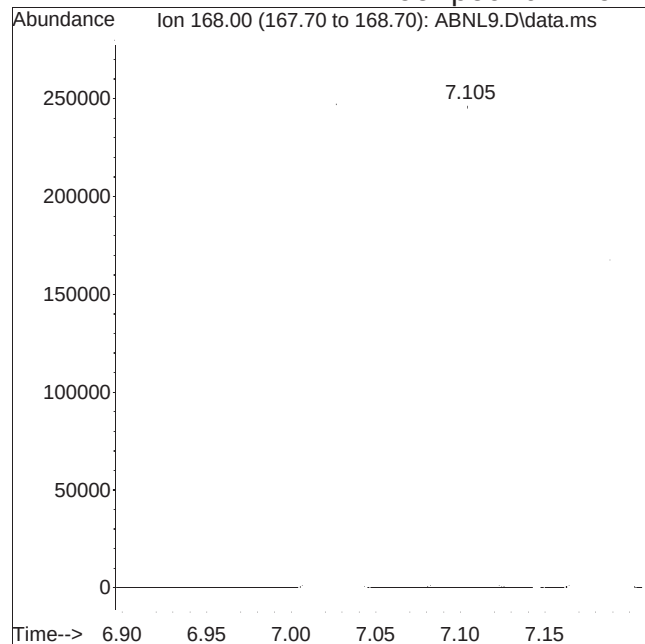
Sub List : ABNITa\827ABNV106\250827SCAL\AP9L6.D.



Manual Integration Report

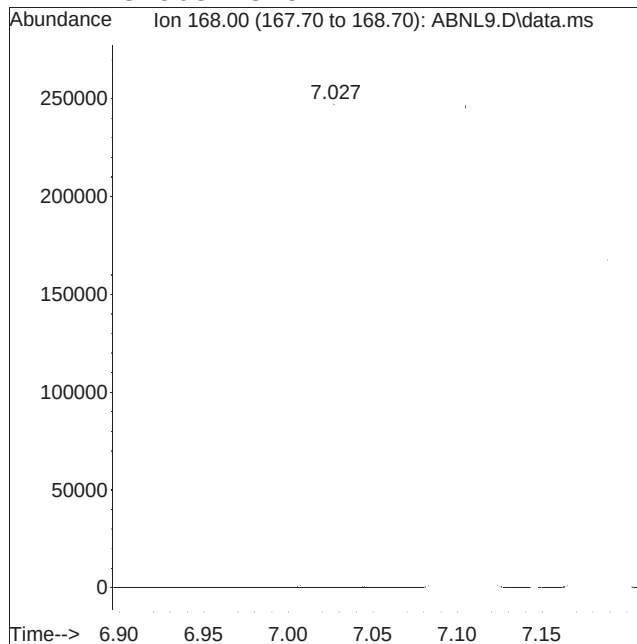
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 230355

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

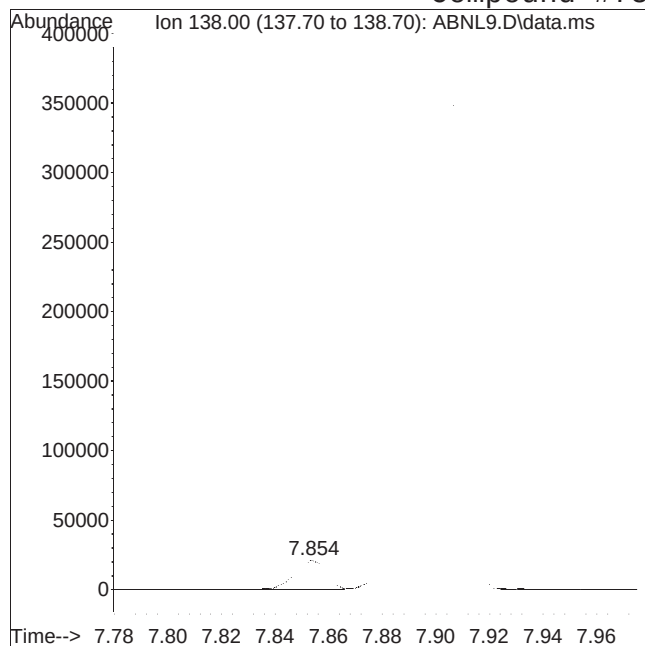


Manual Peak Response = 207550 M3

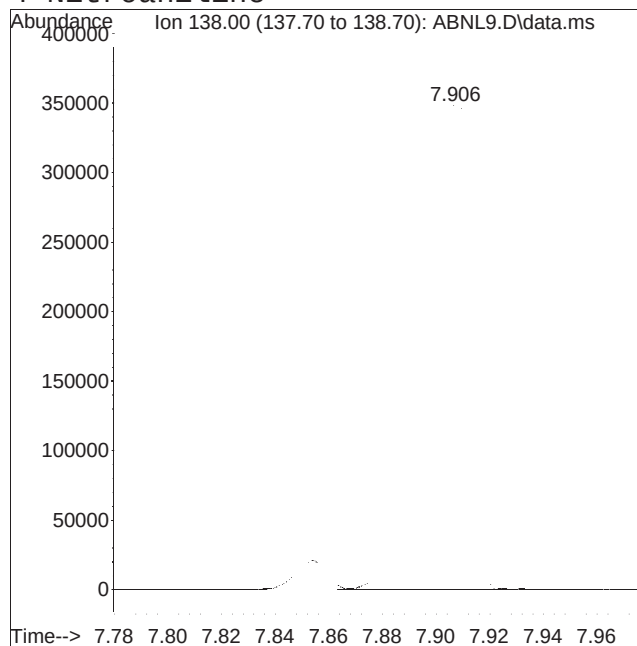
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #75: 4-Nitroaniline



Original Peak Response = 17459



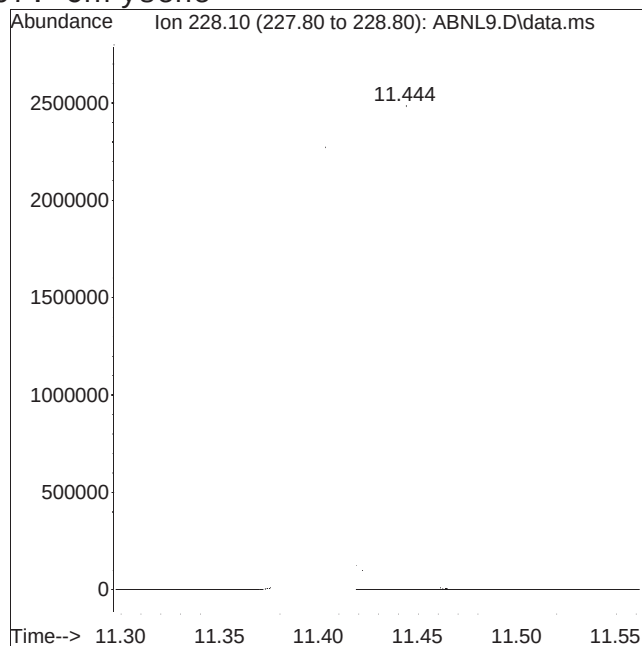
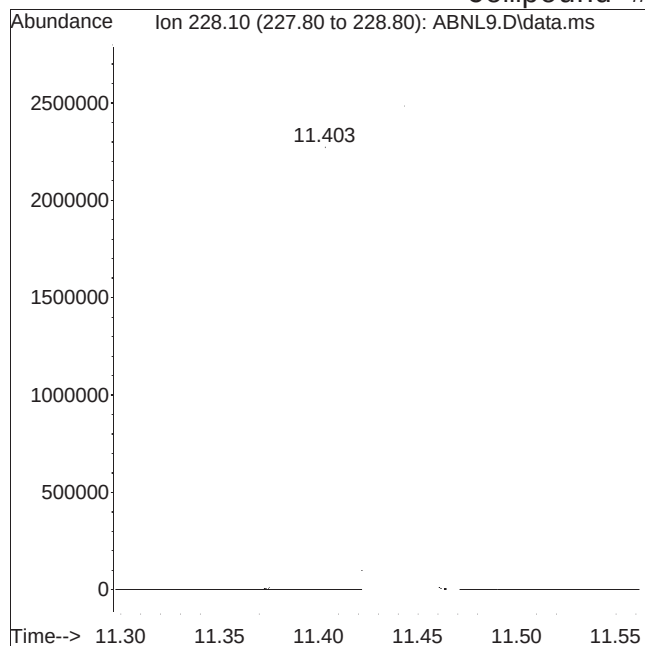
Manual Peak Response = 397067 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #107: Chrysene



Original Peak Response = 2681178

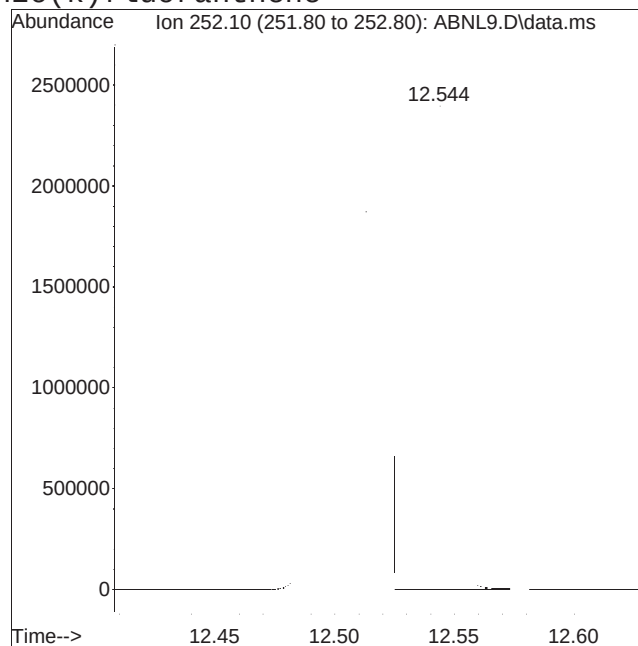
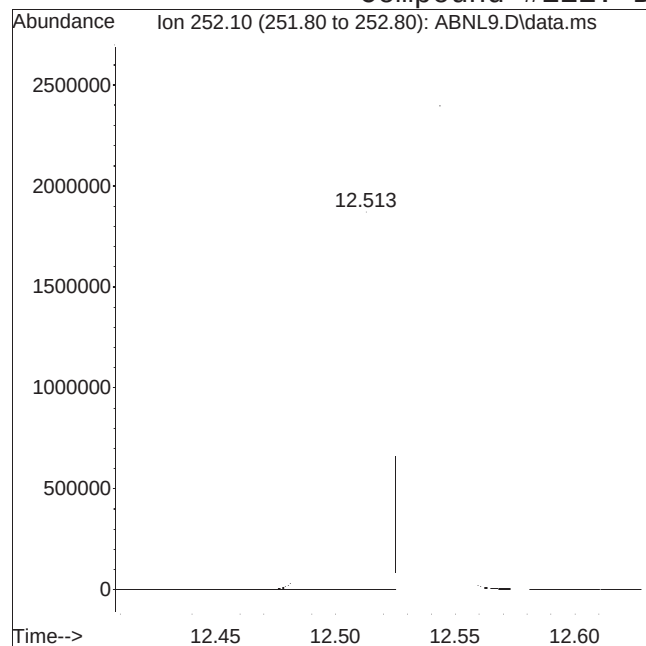
Manual Peak Response = 2505579 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL9.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:12 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11885 Quant Date : 8/28/2025 6:06 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 2601112

Manual Peak Response = 2583702 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL8.D
 Acq On : 27 Aug 2025 8:33 pm
 Operator : SV106:smz
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108428,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	34356	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	101.07%		
35) IS1_Naphthalene-d8	5.576	136	138969	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery =	102.85%		
63) IS1_Acenaphthene-d10	7.310	164	84598	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	105.55%		
88) IS1_Phenanthrene-d10	8.755	188	161164	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	104.14%		
104) IS1_Chrysene-d12	11.400	240	162817	4.000	ug/ml	# 0.00
Standard Area 1 = 156844			Recovery =	103.81%		
113) IS1_Perylene-d12	12.858	264	165903	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	100.59%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	256432	27.476	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1373.80%#		
7) Phenol-d6	3.997	99	307000	27.559	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1377.95%#		
19) Nitrobenzene-d5	4.867	82	291482	28.290	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2829.00%#		
46) 2-Fluorobiphenyl	6.673	172	725360	25.312	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2531.20%#		
79) 2,4,6-Tribromophenol	8.084	330	116466	29.516	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1475.80%#		
96) 4-Terphenyl-d14	10.362	244	1000771	25.153	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2515.30%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.557	74	146712	26.013	ug/ml#	72
3) Pyridine	1.582	79	262501	27.497	ug/ml#	65
5) Aniline	3.978	93	407147	29.983	ug/ml	98
6) 2-Chlorophenol	4.093	128	309706	27.525	ug/ml#	88
8) Phenol	4.009	94	333528	27.326	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	253962	25.932	ug/ml	97
10) 1,3-Dichlorobenzene	4.242	146	346626	25.110	ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	353956	25.087	ug/ml	96
12) 1,2-Dichlorobenzene	4.469	146	338184	24.863	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL8.D
 Acq On : 27 Aug 2025 8:33 pm
 Operator : SV106:smz
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108428,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.475	79	229732	28.415	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.634	45	407213	25.212	ug/ml#	55
15) 2-Methylphenol	4.615	108	261355	28.116	ug/ml	99
16) Hexachloroethane	4.808	117	135968	26.488	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.755	70	196852	28.886	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.783	108	280278	27.464	ug/ml	97
20) Nitrobenzene	4.886	77	298571	28.099	ug/ml	94
21) Isophorone	5.140	82	553204	28.760	ug/ml	98
22) 2-Nitrophenol	5.209	139	166700	32.259	ug/ml#	86
23) 2,4-Dimethylphenol	5.302	107	304368	28.555	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.392	93	354585	26.944	ug/ml	97
25) 2,4-Dichlorophenol	5.457	162	288028	29.612	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.532	180	306842	26.060	ug/ml	98
36) Naphthalene	5.594	128	945519	24.939	ug/ml	99
37) Benzoic Acid	5.451	105	237673	41.402	ug/ml	92
38) 4-Chloroaniline	5.675	65	111601	27.955	ug/ml#	62
39) Hexachlorobutadiene	5.756	225	177732	25.525	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	275540	28.665	ug/ml	94
41) 2-Methylnaphthalene	6.290	142	574913	25.784	ug/ml	95
42) 1-Methylnaphthalene	6.384	115	204337	25.972	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	241262	27.872	ug/ml	99
44) 2,4,6-Trichlorophenol	6.586	196	221040	31.239	ug/ml	99
45) 2,4,5-Trichlorophenol	6.614	196	241006	30.050	ug/ml	100
47) 2-Chloronaphthalene	6.763	162	652312	25.817	ug/ml	96
48) 2-Nitroaniline	6.881	138	223937	33.321	ug/ml#	77
49) 1,4-Dinitrobenzene	7.021	168	103763M3	33.020	ug/ml	
50) 1,3-Dinitrobenzene	7.099	168	117729	32.198	ug/ml#	1
51) Dimethyl phthalate	7.102	163	790705	26.756	ug/ml#	98
52) Acenaphthylene	7.164	152	1097655	27.337	ug/ml	99
53) 2,6-Dinitrotoluene	7.139	165	168602	30.385	ug/ml#	76
54) 1,2-Dinitrobenzene	7.179	168	73208	30.355	ug/ml#	1
64) 3-Nitroaniline	7.291	138	203953	29.221	ug/ml#	85
65) Acenaphthene	7.341	154	598975	24.732	ug/ml	91
66) 2,4-Dinitrophenol	7.394	184	104974	35.452	ug/ml#	88
67) Dibenzofuran	7.512	168	970462	24.630	ug/ml	92
68) 2,4-Dinitrotoluene	7.527	165	241048	31.016	ug/ml	88
69) 4-Nitrophenol	7.493	65	141339	29.048	ug/ml#	67
70) 2,3,5,6-Tetrachlorophenol	7.608	232	209662	32.251	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL8.D
 Acq On : 27 Aug 2025 8:33 pm
 Operator : SV106:smz
 Sample : IL3,32,,ABNL25 Lot# 11886
 Misc : WG2108428,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:05:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.649	232	201396	30.029	ug/ml	97
72)	Diethyl phthalate	7.804	149	827833	25.862	ug/ml	99
73)	Fluorene	7.848	166	765194	24.807	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.876	204	360217	24.474	ug/ml	91
75)	4-Nitroaniline	7.891	138	202921	29.427	ug/ml#	78
76)	4,6-Dinitro-o-cresol	7.925	198	136129	36.427	ug/ml#	63
77)	NDPA/DPA	7.997	169	657268	25.695	ug/ml	94
78)	Azobenzene	8.028	77	702070	26.241	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.348	248	225529M3	24.991	ug/ml	
81)	Hexachlorobenzene	8.391	284	250668	24.802	ug/ml#	87
82)	Pentachlorophenol	8.590	266	171462	36.700	ug/ml	99
89)	Phenanthrene	8.780	178	1183275	24.071	ug/ml	100
90)	Anthracene	8.830	178	1211741	25.471	ug/ml	99
91)	Carbazole	9.007	167	1143852	26.388	ug/ml	99
92)	Di-n-butylphthalate	9.417	149	1461593	29.646	ug/ml	98
93)	Fluoranthene	9.946	202	1332799	25.447	ug/ml#	94
94)	Benzidine	10.113	184	952765	39.965	ug/ml#	95
95)	Pyrene	10.163	202	1412808	25.196	ug/ml	99
97)	Butyl benzyl phthalate	10.894	149	664941	33.283	ug/ml	86
105)	Benzo(a)anthracene	11.391	228	1399180	25.356	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.400	252	547268	30.014	ug/ml#	98
107)	Chrysene	11.431	228	1291077	23.213	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.537	149	1018603	30.853	ug/ml#	92
109)	Di-n-octylphthalate	12.218	149	1734516	34.097	ug/ml#	72
110)	Benzo(b)fluoranthene	12.497	252	1329534	25.538	ug/ml	96
111)	Benzo(k)fluoranthene	12.525	252	1348501	25.289	ug/ml	96
112)	Benzo(a)pyrene	12.808	252	1286485	26.611	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.831	276	1323868	29.170	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.856	278	1322105	27.540	ug/ml#	94
116)	Benzo(ghi)perylene	14.061	276	1265223	26.511	ug/ml	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

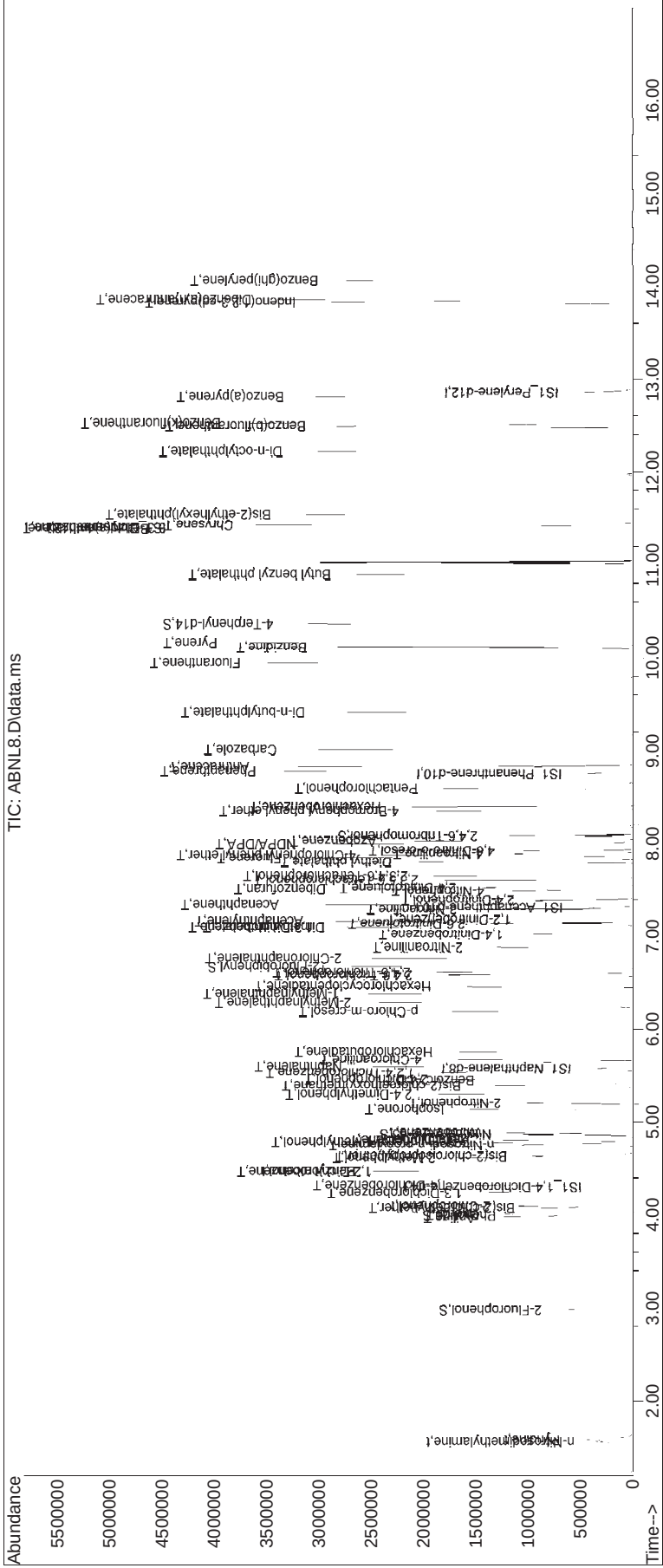
Quantitation Report

(QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL8.D
Acq On : 27 Aug 2025 8:33 pm
Operator : SV106:smz
Sample : IL3,32,,ABNL25 Lot# 11886
Misc : WG2108428,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 06:09:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 06:05:03 2025
Response via : Initial Calibration

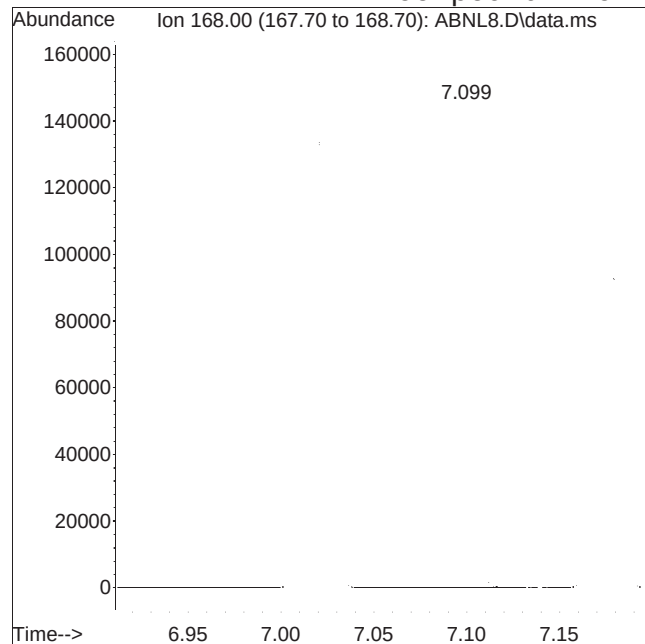
Sub List : ABNL8\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

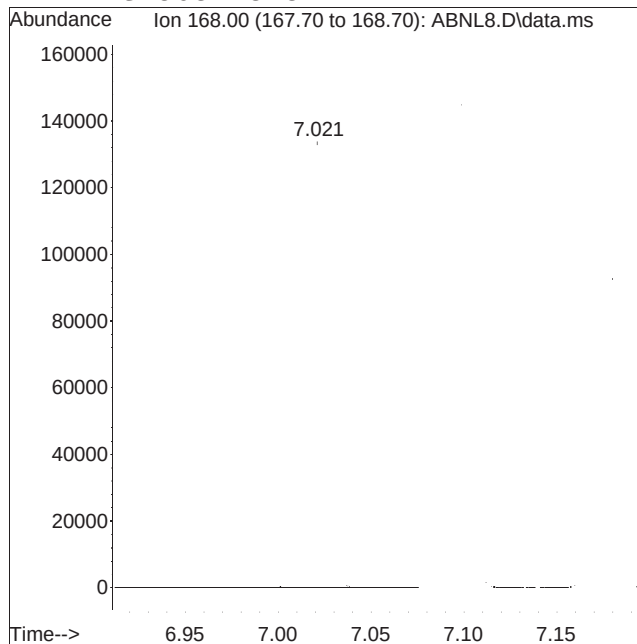
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL8.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:33 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11886 Quant Date : 8/28/2025 6:05 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 117729

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

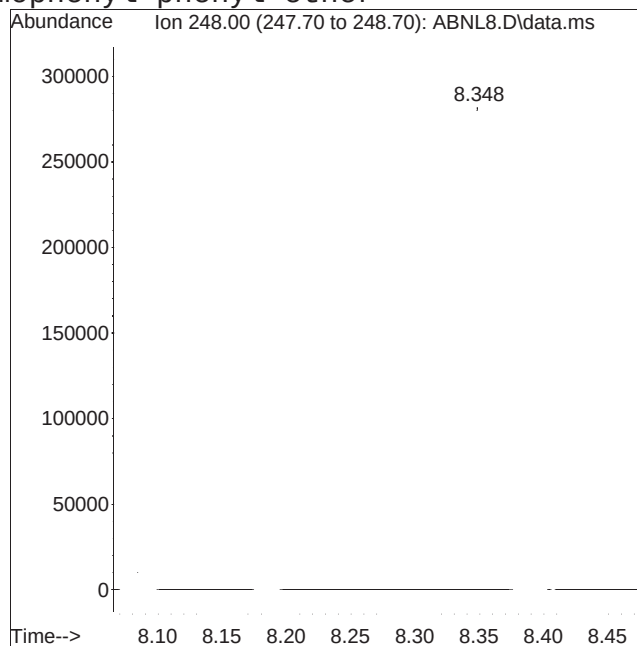
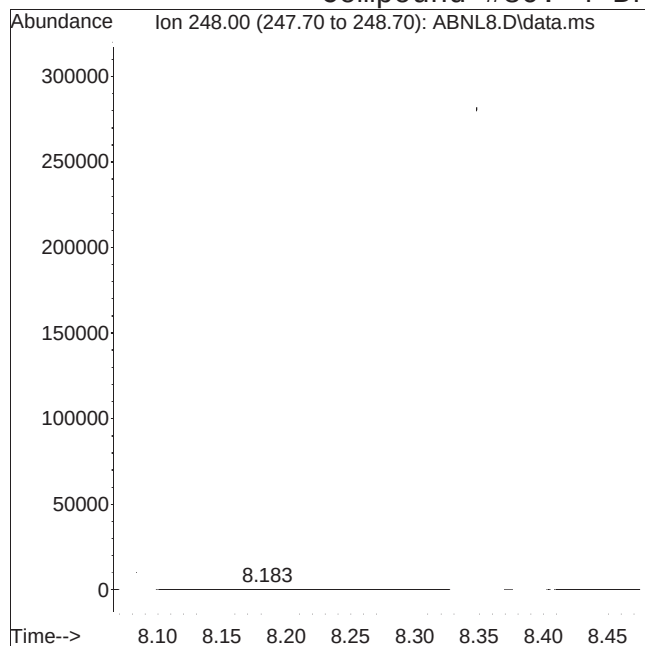


Manual Peak Response = 103763 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL8.D Operator : SV106:smz
Date Inj'd : 8/27/2025 8:33 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11886 Quant Date : 8/28/2025 6:05 am

Compound #80: 4-Bromophenyl phenyl ether



Original Peak Response = 1397

Manual Peak Response = 225529 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL7.D
 Acq On : 27 Aug 2025 9:03 pm
 Operator : SV106:smz
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108428,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:04:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.301	152	34403	4.000	ug/ml	# 0.00
Standard Area 1 = 33991			Recovery =	101.21%		
35) IS1_Naphthalene-d8	5.572	136	138164	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	102.26%		
63) IS1_Acenaphthene-d10	7.307	164	84365	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	105.26%		
88) IS1_Phenanthrene-d10	8.755	188	157203	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	101.58%		
104) IS1_Chrysene-d12	11.397	240	160087	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	102.07%		
113) IS1_Perylene-d12	12.861	264	168082	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	101.91%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.971	112	104778	11.442	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	572.10%#		
7) Phenol-d6	3.990	99	125171	11.454	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	572.70%#		
19) Nitrobenzene-d5	4.864	82	116996	11.598	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1159.80%#		
46) 2-Fluorobiphenyl	6.673	172	296171	10.464	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1046.40%#		
79) 2,4,6-Tribromophenol	8.084	330	44349	11.564	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	578.20%#		
96) 4-Terphenyl-d14	10.362	244	403040	10.452	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1045.20%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.550	74	61479	11.049	ug/ml#	70
3) Pyridine	1.578	79	109608	11.753	ug/ml#	64
5) Aniline	3.975	93	164868	12.569	ug/ml	97
6) 2-Chlorophenol	4.090	128	127461	11.566	ug/ml#	89
8) Phenol	4.003	94	136691	11.409	ug/ml	94
9) Bis(2-chloroethyl)ether	4.068	93	105499	10.895	ug/ml	94
10) 1,3-Dichlorobenzene	4.239	146	145489	10.618	ug/ml	97
11) 1,4-Dichlorobenzene	4.317	146	148552	10.606	ug/ml	95
12) 1,2-Dichlorobenzene	4.466	146	140480	10.368	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL7.D
 Acq On : 27 Aug 2025 9:03 pm
 Operator : SV106:smz
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108428,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:04:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.469	79	92248	11.665	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.631	45	168344	10.480	ug/ml#	56
15) 2-Methylphenol	4.612	108	105465	11.587	ug/ml	98
16) Hexachloroethane	4.805	117	56323	11.135	ug/ml#	70
17) n-Nitrosodi-n-propylamine	4.752	70	79020	11.893	ug/ml	97
18) 3-Methylphenol/4-Methy...	4.777	108	115137	11.510	ug/ml	98
20) Nitrobenzene	4.882	77	119725	11.492	ug/ml	93
21) Isophorone	5.137	82	221673	11.805	ug/ml	98
22) 2-Nitrophenol	5.206	139	64419	13.090	ug/ml#	86
23) 2,4-Dimethylphenol	5.299	107	122702	11.790	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.389	93	142611	10.972	ug/ml	98
25) 2,4-Dichlorophenol	5.454	162	116680	12.388	ug/ml#	95
26) 1,2,4-Trichlorobenzene	5.529	180	125780	10.788	ug/ml	99
36) Naphthalene	5.594	128	386397	10.294	ug/ml	99
37) Benzoic Acid	5.411	105	84513	16.831	ug/ml	93
38) 4-Chloroaniline	5.672	65	44456	11.429	ug/ml#	59
39) Hexachlorobutadiene	5.753	225	73497	10.727	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	109523	11.746	ug/ml	94
41) 2-Methylnaphthalene	6.287	142	233823	10.645	ug/ml	96
42) 1-Methylnaphthalene	6.380	115	83110	10.737	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	95364	11.284	ug/ml	99
44) 2,4,6-Trichlorophenol	6.586	196	85991	12.694	ug/ml	99
45) 2,4,5-Trichlorophenol	6.614	196	95307	12.355	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	264740	10.634	ug/ml	96
48) 2-Nitroaniline	6.878	138	86158	13.548	ug/ml#	79
49) 1,4-Dinitrobenzene	7.018	168	38912	13.098	ug/ml	77
50) 1,3-Dinitrobenzene	7.092	168	45706	13.255	ug/ml#	1
51) Dimethyl phthalate	7.095	163	323002	11.179	ug/ml#	98
52) Acenaphthylene	7.161	152	444191	11.340	ug/ml	98
53) 2,6-Dinitrotoluene	7.133	165	67517	12.812	ug/ml#	76
54) 1,2-Dinitrobenzene	7.173	168	29221	12.744	ug/ml#	1
64) 3-Nitroaniline	7.288	138	80807	11.995	ug/ml#	86
65) Acenaphthene	7.338	154	243069	10.075	ug/ml	90
66) 2,4-Dinitrophenol	7.391	184	37813	13.772	ug/ml#	87
67) Dibenzofuran	7.512	168	395073	10.064	ug/ml	93
68) 2,4-Dinitrotoluene	7.524	165	95374	12.797	ug/ml	89
69) 4-Nitrophenol	7.490	65	55521	11.724	ug/ml#	72
70) 2,3,5,6-Tetrachlorophenol	7.605	232	81724	13.178	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL7.D
 Acq On : 27 Aug 2025 9:03 pm
 Operator : SV106:smz
 Sample : IL4,32,,ABNL10 Lot# 11887
 Misc : WG2108428,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 06:03:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:04:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.649	232	82135	12.766	ug/ml	99
72)	Diethyl phthalate	7.798	149	331565	10.454	ug/ml	99
73)	Fluorene	7.847	166	310744	10.119	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	146410	9.971	ug/ml	91
75)	4-Nitroaniline	7.882	138	82671	12.441	ug/ml#	77
76)	4,6-Dinitro-o-cresol	7.919	198	51601	14.795	ug/ml#	63
77)	NDPA/DPA	7.994	169	269790	10.679	ug/ml	94
78)	Azobenzene	8.025	77	282839	10.708	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.348	248	91466	10.191	ug/ml#	84
81)	Hexachlorobenzene	8.391	284	99651	9.869	ug/ml#	87
82)	Pentachlorophenol	8.590	266	65323	15.246	ug/ml	99
89)	Phenanthrene	8.777	178	478694	9.980	ug/ml	99
90)	Anthracene	8.827	178	495217	10.793	ug/ml	99
91)	Carbazole	9.004	167	468296	11.277	ug/ml	99
92)	Di-n-butylphthalate	9.417	149	572332	12.291	ug/ml#	98
93)	Fluoranthene	9.945	202	546298	10.818	ug/ml#	94
94)	Benzidine	10.110	184	371383	17.736	ug/ml#	95
95)	Pyrene	10.160	202	576196	10.630	ug/ml	99
97)	Butyl benzyl phthalate	10.897	149	252730	13.644	ug/ml	86
105)	Benzo(a)anthracene	11.391	228	564916	10.484	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.400	252	215472	12.437	ug/ml	97
107)	Chrysene	11.428	228	534330	9.734	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.540	149	400262	12.829	ug/ml#	91
109)	Di-n-octylphthalate	12.217	149	670849	14.221	ug/ml#	73
110)	Benzo(b)fluoranthene	12.494	252	545254	10.769	ug/ml	97
111)	Benzo(k)fluoranthene	12.522	252	553105	10.647	ug/ml	95
112)	Benzo(a)pyrene	12.805	252	525675	11.258	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.827	276	529641	11.818	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.852	278	534566	11.176	ug/ml#	94
116)	Benzo(ghi)perylene	14.054	276	517307	10.825	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

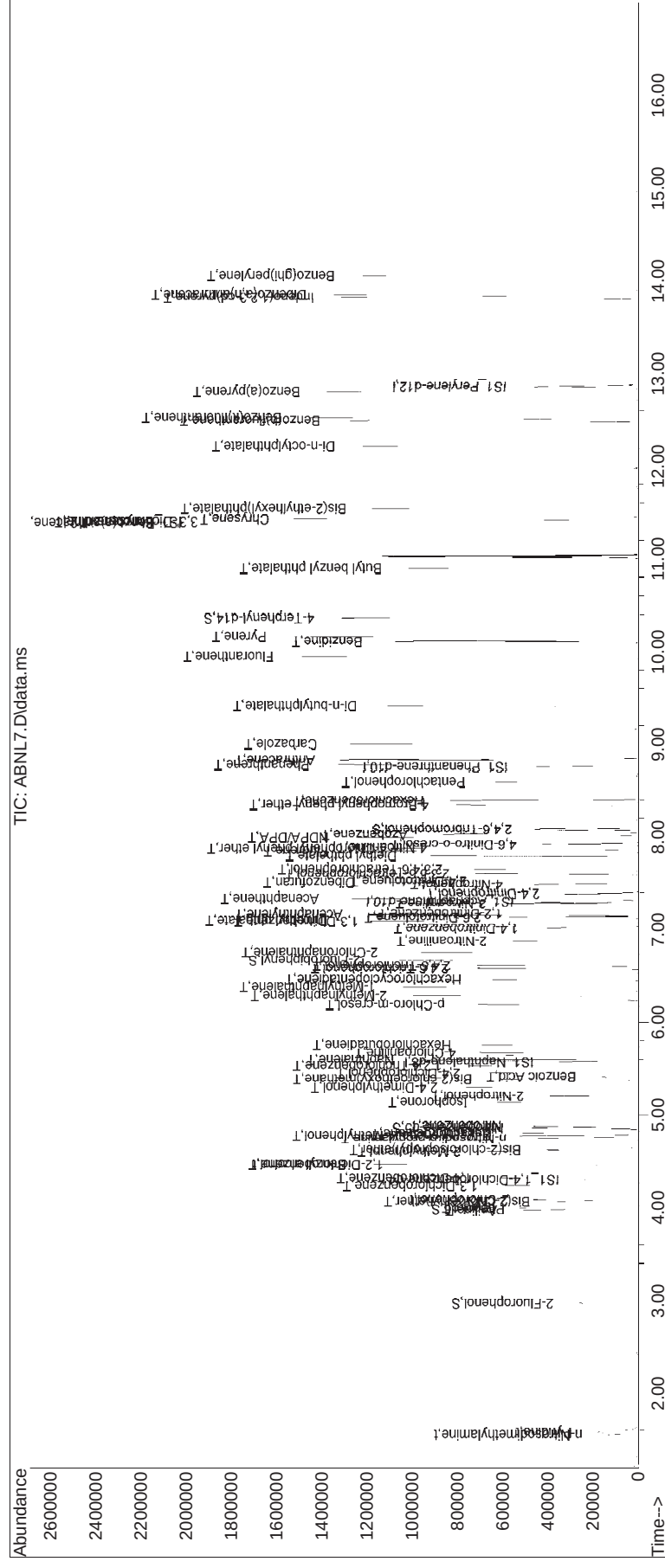
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ABNL7.D
Acq On        : 27 Aug 2025   9:03 pm
Operator      : SV106:smz
Sample        : IL4,32,,ABNL10 Lot# 11887
Misc          : WG2108428,,
ALS Vial      : 3 Sample Multiplier: 1

```

Quant Time: Aug 28 06:03:35 2025
Quant Method : I:\8270\SV106\25082ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:04:09 2025
Response via : Initial Calibration

Sub List : ABNITa\827ABNV106\250827SCAL\AP9L6.D.



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL7.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:03 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11887 Quant Date : 8/28/2025 6:04 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL6.D
 Acq On : 27 Aug 2025 9:24 pm
 Operator : SV106:smz
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108428,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:02:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33991	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	100.00%		
35) IS1_Naphthalene-d8	5.572	136	135116	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	100.00%		
63) IS1_Acenaphthene-d10	7.307	164	80147	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	100.00%		
88) IS1_Phenanthrene-d10	8.752	188	154754	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	100.00%		
104) IS1_Chrysene-d12	11.394	240	156844	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	100.00%		
113) IS1_Perylene-d12	12.855	264	164937	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	100.00%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	48856	5.488	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	274.40%#		
7) Phenol-d6	3.994	99	57469	5.392	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	269.60%#		
19) Nitrobenzene-d5	4.864	82	53573	5.457	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	545.70%#		
46) 2-Fluorobiphenyl	6.673	172	136536	4.920	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	492.00%#		
79) 2,4,6-Tribromophenol	8.081	330	19999	5.627	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	281.35%#		
96) 4-Terphenyl-d14	10.359	244	185053	4.851	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	485.10%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.554	74	28432	5.208	ug/ml#	73
3) Pyridine	1.585	79	50314	5.563	ug/ml#	64
5) Aniline	3.975	93	77729	6.247	ug/ml	96
6) 2-Chlorophenol	4.090	128	58638	5.470	ug/ml#	90
8) Phenol	4.003	94	62032	5.291	ug/ml	94
9) Bis(2-chloroethyl)ether	4.071	93	48989	5.145	ug/ml	95
10) 1,3-Dichlorobenzene	4.242	146	68433	5.066	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	69471	5.024	ug/ml	96
12) 1,2-Dichlorobenzene	4.469	146	66356	4.948	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL6.D
 Acq On : 27 Aug 2025 9:24 pm
 Operator : SV106:smz
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108428,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:02:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13)	Benzyl alcohol	4.472	79	41632	5.399	ug/ml	95
14)	Bis(2-chloroisopropyl)...	4.631	45	79588	5.018	ug/ml#	58
15)	2-Methylphenol	4.615	108	48169	5.434	ug/ml	97
16)	Hexachloroethane	4.808	117	26338	5.328	ug/ml#	72
17)	n-Nitrosodi-n-propylamine	4.752	70	35855	5.564	ug/ml	95
18)	3-Methylphenol/4-Methy...	4.777	108	51900	5.304	ug/ml	97
20)	Nitrobenzene	4.882	77	55473	5.474	ug/ml	95
21)	Isophorone	5.137	82	100281	5.494	ug/ml	99
22)	2-Nitrophenol	5.209	139	28262	6.059	ug/ml#	87
23)	2,4-Dimethylphenol	5.299	107	57104	5.679	ug/ml	97
24)	Bis(2-chloroethoxy)met...	5.389	93	66295	5.196	ug/ml	98
25)	2,4-Dichlorophenol	5.454	162	52365	5.772	ug/ml#	94
26)	1,2,4-Trichlorobenzene	5.529	180	58431	5.087	ug/ml	99
36)	Naphthalene	5.594	128	181757	4.942	ug/ml	99
37)	Benzoic Acid	5.389	105	33189	7.656	ug/ml	94
38)	4-Chloroaniline	5.672	65	20670	5.530	ug/ml#	61
39)	Hexachlorobutadiene	5.753	225	33995	5.088	ug/ml	98
40)	p-Chloro-m-cresol	6.191	107	48797	5.428	ug/ml	92
41)	2-Methylnaphthalene	6.287	142	107089	4.982	ug/ml	96
42)	1-Methylnaphthalene	6.381	115	37840	4.999	ug/ml	87
43)	Hexachlorocyclopentadiene	6.464	237	43566	5.329	ug/ml	100
44)	2,4,6-Trichlorophenol	6.586	196	38497	6.006	ug/ml	99
45)	2,4,5-Trichlorophenol	6.611	196	42620	5.800	ug/ml	99
47)	2-Chloronaphthalene	6.760	162	121919	5.009	ug/ml	96
48)	2-Nitroaniline	6.878	138	37886	6.370	ug/ml#	78
49)	1,4-Dinitrobenzene	7.015	168	17175	6.194	ug/ml	78
50)	1,3-Dinitrobenzene	7.089	168	20241	6.319	ug/ml#	1
51)	Dimethyl phthalate	7.092	163	146634	5.229	ug/ml#	99
52)	Acenaphthylene	7.161	152	204864	5.424	ug/ml	98
53)	2,6-Dinitrotoluene	7.133	165	29659	5.981	ug/ml#	77
54)	1,2-Dinitrobenzene	7.170	168	13384	6.273	ug/ml#	1
64)	3-Nitroaniline	7.282	138	36518	5.915	ug/ml#	87
65)	Acenaphthene	7.335	154	112128	4.871	ug/ml	91
66)	2,4-Dinitrophenol	7.388	184	15835	6.537	ug/ml	89
67)	Dibenzofuran	7.509	168	182075	4.859	ug/ml	94
68)	2,4-Dinitrotoluene	7.521	165	42714	6.293	ug/ml	91
69)	4-Nitrophenol	7.487	65	25091	5.709	ug/ml#	76
70)	2,3,5,6-Tetrachlorophenol	7.605	232	36826	6.580	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL6.D
 Acq On : 27 Aug 2025 9:24 pm
 Operator : SV106:smz
 Sample : IL5,32,,ABNL5 Lot# 11888
 Misc : WG2108428,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:02:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

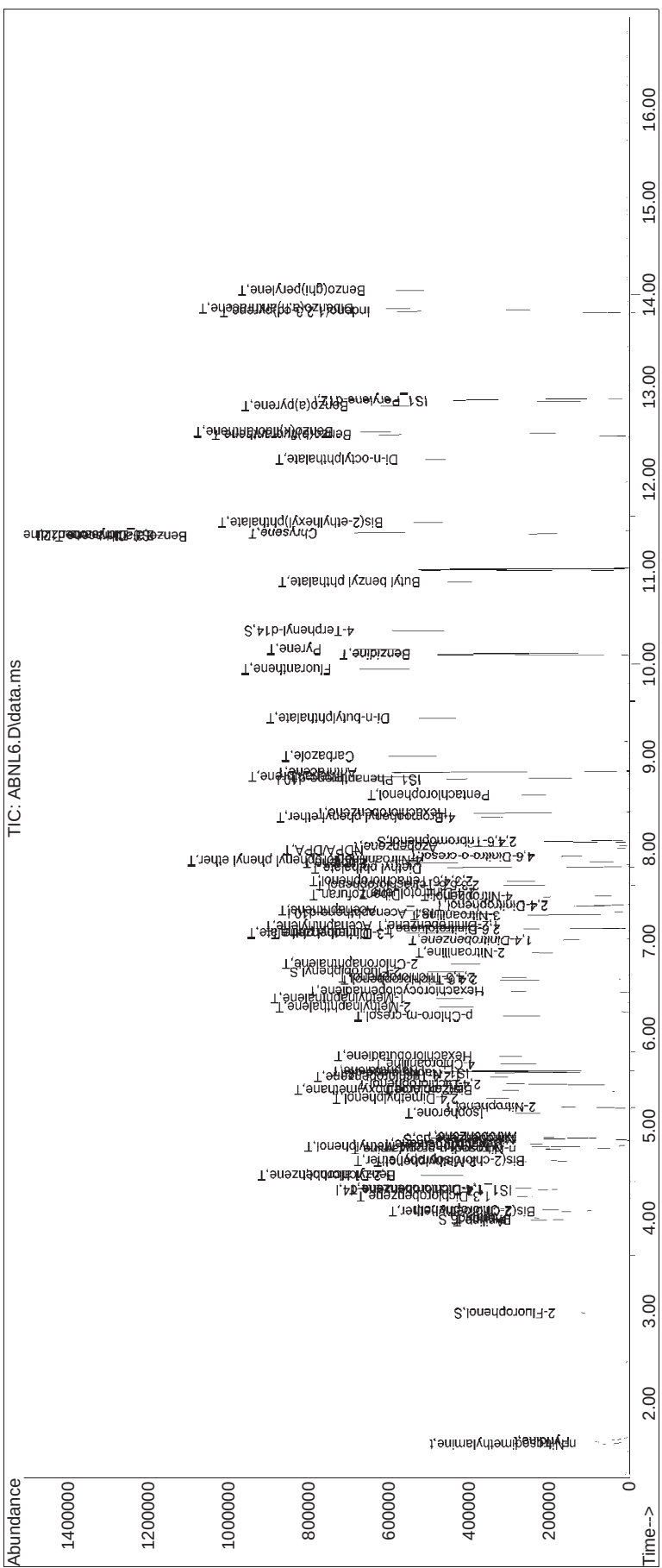
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	36773	6.271	ug/ml	99
72)	Diethyl phthalate	7.795	149	153497	5.114	ug/ml	99
73)	Fluorene	7.844	166	142500	4.862	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	68570	4.899	ug/ml	90
75)	4-Nitroaniline	7.879	138	36722	6.013	ug/ml#	79
76)	4,6-Dinitro-o-cresol	7.916	198	21901	7.065	ug/ml#	64
77)	NDPA/DPA	7.991	169	123781	5.190	ug/ml	93
78)	Azobenzene	8.022	77	131853	5.309	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	41347	4.820	ug/ml#	85
81)	Hexachlorobenzene	8.388	284	45957	4.751	ug/ml#	87
82)	Pentachlorophenol	8.587	266	27637	7.457	ug/ml	99
89)	Phenanthrene	8.777	178	225951	4.745	ug/ml	100
90)	Anthracene	8.827	178	227747	5.051	ug/ml	99
91)	Carbazole	9.001	167	216146	5.349	ug/ml	99
92)	Di-n-butylphthalate	9.414	149	257929	5.771	ug/ml	98
93)	Fluoranthene	9.942	202	252651	5.099	ug/ml#	94
94)	Benzidine	10.107	184	161995	8.873	ug/ml#	95
95)	Pyrene	10.157	202	268318	5.034	ug/ml	99
97)	Butyl benzyl phthalate	10.890	149	108876	6.212	ug/ml	86
105)	Benzo(a)anthracene	11.385	228	258370	4.874	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	96963	5.880	ug/ml	97
107)	Chrysene	11.419	228	250509	4.595	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	177417	5.997	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	283757	6.433	ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	243531	4.892	ug/ml	94
111)	Benzo(k)fluoranthene	12.513	252	262004	5.178	ug/ml	96
112)	Benzo(a)pyrene	12.796	252	240526	5.312	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	237078	5.476	ug/mL	96
115)	Dibenzo(a,h)anthracene	13.843	278	246196	5.297	ug/ml#	94
116)	Benzo(ghi)perylene	14.042	276	237391	5.075	ug/ml	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL6.D
Acq On : 27 Aug 2025 9:24 pm
Operator : SV106:smz
Sample : IL5,32,,ABNL5 Lot# 11888
Misc : WG2108428,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 06:02:38 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 06:02:52 2025
Response via : Initial Calibration

Sub List : **ABNL6\8270\SV106\250827ICAL\AP9L6.D•**



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL6.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:24 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11888 Quant Date : 8/28/2025 6:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL5.D
 Acq On : 27 Aug 2025 9:46 pm
 Operator : SV106:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108428,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:01:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33459	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	98.43%		
35) IS1_Naphthalene-d8	5.572	136	132859	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	98.33%		
63) IS1_Acenaphthene-d10	7.307	164	78031	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	97.36%		
88) IS1_Phenanthrene-d10	8.752	188	152871	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	98.78%		
104) IS1_Chrysene-d12	11.391	240	152364	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	97.14%		
113) IS1_Perylene-d12	12.852	264	164158	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	99.53%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.974	112	23988	2.804	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	140.20%#		
7) Phenol-d6	3.993	99	28070	2.723	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	136.15%#		
19) Nitrobenzene-d5	4.864	82	25994	2.742	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	274.20%#		
46) 2-Fluorobiphenyl	6.673	172	68514	2.513	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	251.30%#		
79) 2,4,6-Tribromophenol	8.081	330	9631	2.893	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	144.65%#		
96) 4-Terphenyl-d14	10.359	244	91993	2.427	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	242.70%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.557	74	13837	2.594	ug/ml#	73
3) Pyridine	1.591	79	25236	2.933	ug/ml#	66
5) Aniline	3.978	93	37442	3.237	ug/ml	98
6) 2-Chlorophenol	4.093	128	28588	2.767	ug/ml#	89
8) Phenol	4.006	94	30860	2.722	ug/ml	95
9) Bis(2-chloroethyl)ether	4.071	93	24162	2.598	ug/ml	99
10) 1,3-Dichlorobenzene	4.245	146	33292	2.505	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	34586	2.551	ug/ml	97
12) 1,2-Dichlorobenzene	4.472	146	33191	2.518	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL5.D
 Acq On : 27 Aug 2025 9:46 pm
 Operator : SV106:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108428,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:01:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	20491	2.755	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.634	45	39782	2.560	ug/ml#	70
15) 2-Methylphenol	4.615	108	23129	2.691	ug/ml	97
16) Hexachloroethane	4.808	117	13076	2.738	ug/ml#	71
17) n-Nitrosodi-n-propylamine	4.752	70	17635	2.860	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.777	108	25376	2.671	ug/ml	96
20) Nitrobenzene	4.882	77	26980	2.761	ug/ml	95
21) Isophorone	5.137	82	48779	2.775	ug/ml	98
22) 2-Nitrophenol	5.209	139	13270	3.048	ug/ml#	86
23) 2,4-Dimethylphenol	5.299	107	26940	2.783	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.389	93	33737	2.737	ug/ml	99
25) 2,4-Dichlorophenol	5.454	162	25355	2.939	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.529	180	29191	2.603	ug/ml	99
36) Naphthalene	5.594	128	89933	2.484	ug/ml	99
37) Benzoic Acid	5.377	105	13414	3.615	ug/ml	94
38) 4-Chloroaniline	5.672	65	10141	2.833	ug/ml#	60
39) Hexachlorobutadiene	5.753	225	16737	2.560	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	23660	2.724	ug/ml	94
41) 2-Methylnaphthalene	6.287	142	52546	2.483	ug/ml	94
42) 1-Methylnaphthalene	6.380	115	19226	2.604	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	21266	2.685	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	17948	2.950	ug/ml	96
45) 2,4,5-Trichlorophenol	6.614	196	20476	2.932	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	60225	2.521	ug/ml	96
48) 2-Nitroaniline	6.878	138	17193	3.075	ug/ml#	82
49) 1,4-Dinitrobenzene	7.015	168	7944	3.084	ug/ml	76
50) 1,3-Dinitrobenzene	7.089	168	9038	3.018	ug/ml#	1
51) Dimethyl phthalate	7.092	163	71563	2.620	ug/ml#	98
52) Acenaphthylene	7.161	152	99002	2.710	ug/ml	98
53) 2,6-Dinitrotoluene	7.130	165	14214	3.086	ug/ml#	77
54) 1,2-Dinitrobenzene	7.170	168	6296	3.216	ug/ml#	1
64) 3-Nitroaniline	7.285	138	17413	3.059	ug/ml#	88
65) Acenaphthene	7.338	154	55491	2.470	ug/ml	92
66) 2,4-Dinitrophenol	7.387	184	6753	3.088	ug/ml	91
67) Dibenzofuran	7.509	168	90079	2.462	ug/ml	95
68) 2,4-Dinitrotoluene	7.521	165	19535	3.097	ug/ml	94
69) 4-Nitrophenol	7.484	65	11528	2.747	ug/ml#	72
70) 2,3,5,6-Tetrachlorophenol	7.602	232	17246	3.390	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL5.D
 Acq On : 27 Aug 2025 9:46 pm
 Operator : SV106:smz
 Sample : IL6,32,,ABNL2.5 Lot# 11889
 Misc : WG2108428,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:01:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	17457	3.238	ug/ml	98
72)	Diethyl phthalate	7.795	149	73993	2.540	ug/ml	99
73)	Fluorene	7.844	166	71519	2.508	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	34029	2.496	ug/ml	90
75)	4-Nitroaniline	7.875	138	16961	2.957	ug/ml#	80
76)	4,6-Dinitro-o-cresol	7.913	198	9796	3.507	ug/ml#	67
77)	NDPA/DPA	7.990	169	60263	2.620	ug/ml	94
78)	Azobenzene	8.022	77	64627	2.719	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	20697	2.473	ug/ml#	85
81)	Hexachlorobenzene	8.388	284	23450	2.487	ug/ml#	87
82)	Pentachlorophenol	8.587	266	12143	3.804	ug/ml	98
89)	Phenanthrene	8.777	178	111191	2.332	ug/ml	100
90)	Anthracene	8.827	178	111761	2.511	ug/ml	99
91)	Carbazole	9.001	167	105218	2.672	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	120726	2.800	ug/ml	98
93)	Fluoranthene	9.942	202	123891M3	2.539	ug/ml	
94)	Benzidine	10.104	184	72311	4.723	ug/ml#	95
95)	Pyrene	10.154	202	132122	2.512	ug/ml	100
97)	Butyl benzyl phthalate	10.890	149	49602	2.974	ug/ml	86
105)	Benzo(a)anthracene	11.381	228	127121	2.461	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	46105	2.991	ug/ml	98
107)	Chrysene	11.416	228	126099	2.353	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	81893	2.953	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	126496	3.092	ug/ml#	73
110)	Benzo(b)fluoranthene	12.482	252	121066	2.504	ug/ml	94
111)	Benzo(k)fluoranthene	12.510	252	130243M3	2.690	ug/ml	
112)	Benzo(a)pyrene	12.792	252	117112	2.707	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.812	276	113109	2.658	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.837	278	118633	2.581	ug/ml#	94
116)	Benzo(ghi)perylene	14.036	276	116099	2.492	ug/ml	93

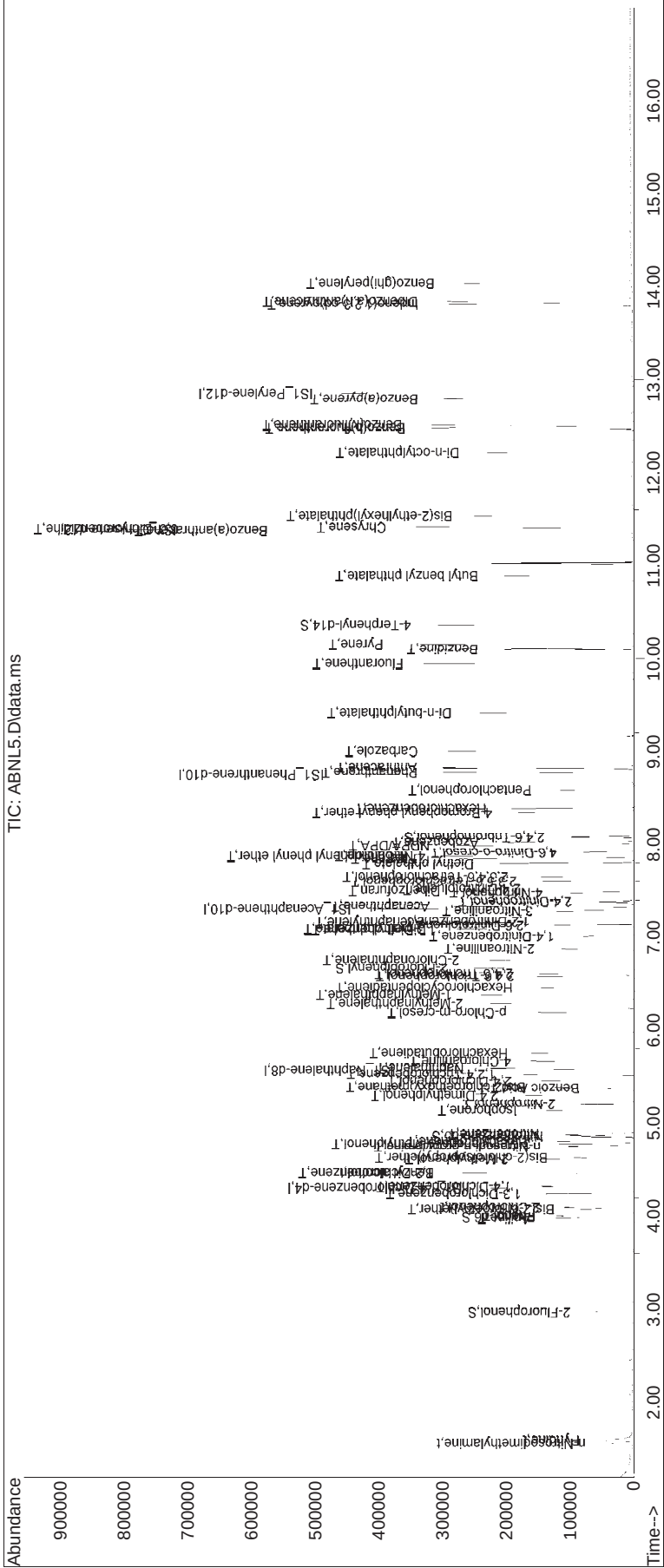
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ABNL5.D
Acq On : 27 Aug 2025 9:46 pm
Operator : SV106:smz
Sample : IL6,32,,ABNL2.5 Lot# 11889
Misc : WG2108428,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 06:01:48 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 06:01:14 2025
Response via : Initial Calibration

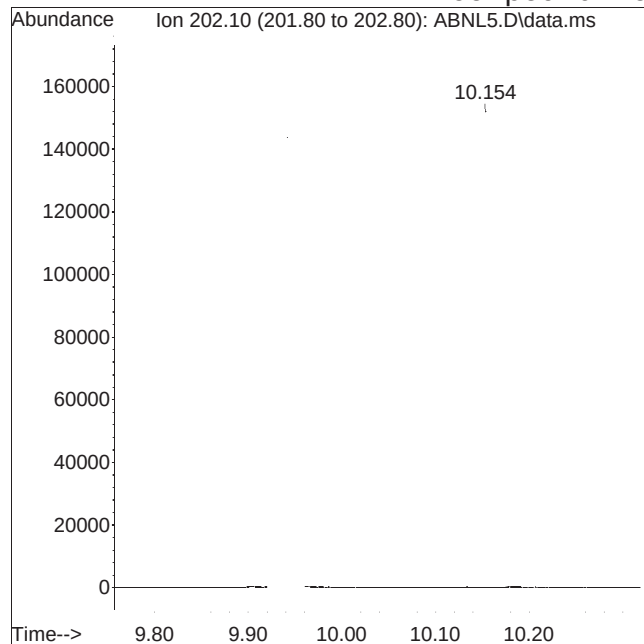
Sub List : **ABNL5\8270\SV106\250827ICAL\AP9L6.D•**



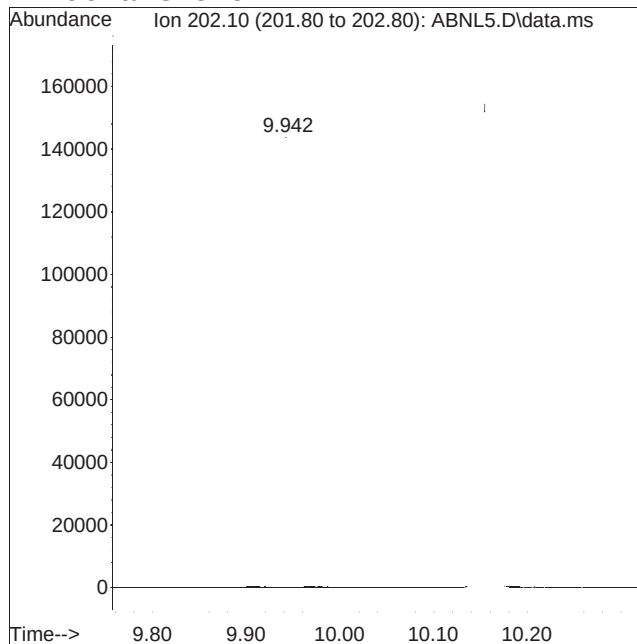
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL5.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:46 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11889 Quant Date : 8/28/2025 6:01 am

Compound #93: Fluoranthene



Original Peak Response = 131935



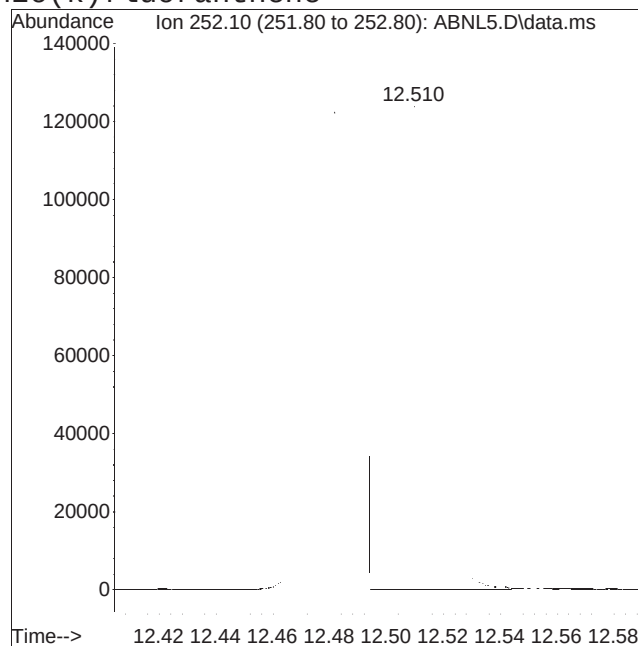
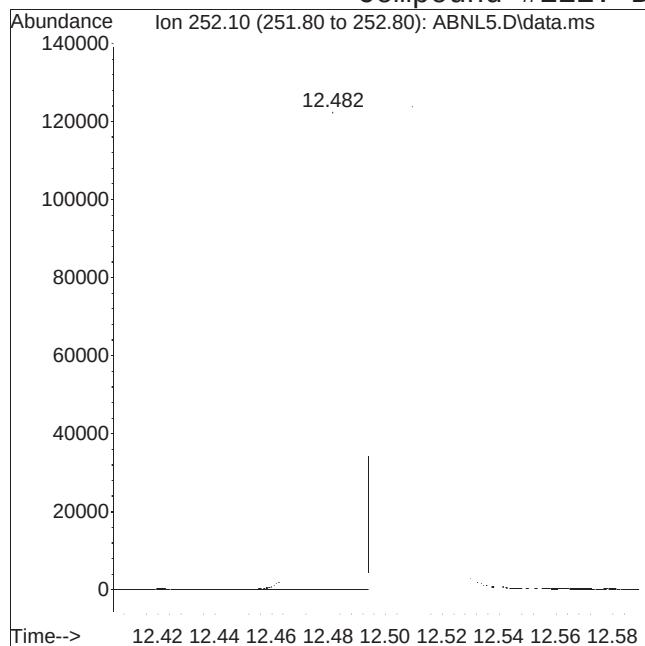
Manual Peak Response = 123891 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL5.D Operator : SV106:smz
Date Inj'd : 8/27/2025 9:46 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11889 Quant Date : 8/28/2025 6:01 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 121066

Manual Peak Response = 130243 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL4.D
 Acq On : 27 Aug 2025 10:07 pm
 Operator : SV106:smz
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108428,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	32970	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	97.00%		
35) IS1_Naphthalene-d8	5.572	136	129515	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	95.85%		
63) IS1_Acenaphthene-d10	7.307	164	75824	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	94.61%		
88) IS1_Phenanthrene-d10	8.755	188	145383	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery =	93.94%		
104) IS1_Chrysene-d12	11.391	240	146136	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	93.17%		
113) IS1_Perylene-d12	12.855	264	159462	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	96.68%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.980	112	8820	0.968	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.40%		
7) Phenol-d6	3.993	99	10501	0.967	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.35%		
19) Nitrobenzene-d5	4.867	82	9829	0.972	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	97.20%		
46) 2-Fluorobiphenyl	6.670	172	26161	0.985	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	98.50%		
79) 2,4,6-Tribromophenol	8.081	330	3521	0.958	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	47.90%		
96) 4-Terphenyl-d14	10.359	244	34789	0.974	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	97.40%		
Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	1.557	74	5363	0.986	ug/ml#	73
3) Pyridine	1.600	79	9200	0.987	ug/ml#	67
5) Aniline	3.978	93	14555	1.016	ug/ml	96
6) 2-Chlorophenol	4.093	128	10885	0.992	ug/ml#	88
8) Phenol	4.006	94	11787	0.992	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	9560	1.015	ug/ml#	85
10) 1,3-Dichlorobenzene	4.242	146	12946	0.983	ug/ml	95
11) 1,4-Dichlorobenzene	4.320	146	13319	0.989	ug/ml	99
12) 1,2-Dichlorobenzene	4.469	146	12688	0.979	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL4.D
 Acq On : 27 Aug 2025 10:07 pm
 Operator : SV106:smz
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108428,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	7742	0.974	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.634	45	15447	1.004	ug/ml#	58
15) 2-Methylphenol	4.615	108	8984	0.987	ug/ml	99
16) Hexachloroethane	4.808	117	4979	1.004	ug/ml#	74
17) n-Nitrosodi-n-propylamine	4.752	70	6635	0.988	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.777	108	9646	0.970	ug/ml	98
20) Nitrobenzene	4.886	77	9928	0.956	ug/ml	94
21) Isophorone	5.137	82	17945	0.948	ug/ml	100
22) 2-Nitrophenol	5.209	139	4406	0.835	ug/ml	91
23) 2,4-Dimethylphenol	5.299	107	10043	0.958	ug/ml	95
24) Bis(2-chloroethoxy)met...	5.389	93	12469	0.978	ug/ml#	98
25) 2,4-Dichlorophenol	5.454	162	9353	0.970	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.529	180	11375	1.004	ug/ml	97
36) Naphthalene	5.594	128	34993	0.999	ug/ml	100
37) Benzoic Acid	5.364	105	4272	1.227	ug/ml	94
38) 4-Chloroaniline	5.672	65	3955	1.044	ug/ml#	67
39) Hexachlorobutadiene	5.756	225	6427	0.990	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	8247	0.897	ug/ml	89
41) 2-Methylnaphthalene	6.287	142	20383	0.983	ug/ml	97
42) 1-Methylnaphthalene	6.380	115	7110	0.967	ug/ml	86
43) Hexachlorocyclopentadiene	6.461	237	8091	0.984	ug/ml	99
44) 2,4,6-Trichlorophenol	6.583	196	6818	0.987	ug/ml	96
45) 2,4,5-Trichlorophenol	6.611	196	7134	0.920	ug/ml	97
47) 2-Chloronaphthalene	6.760	162	23476	0.997	ug/ml	97
48) 2-Nitroaniline	6.875	138	6053	0.907	ug/ml#	79
49) 1,4-Dinitrobenzene	7.015	168	2908	0.925	ug/ml	78
50) 1,3-Dinitrobenzene	7.089	168	2959	0.818	ug/ml#	1
51) Dimethyl phthalate	7.092	163	27351	0.986	ug/ml#	98
52) Acenaphthylene	7.161	152	36958	0.975	ug/ml	100
53) 2,6-Dinitrotoluene	7.130	165	4966	0.918	ug/ml#	80
54) 1,2-Dinitrobenzene	7.167	168	2238	0.951	ug/ml#	1
64) 3-Nitroaniline	7.282	138	6014	0.929	ug/ml#	89
65) Acenaphthene	7.335	154	21600	1.003	ug/ml	91
66) 2,4-Dinitrophenol	7.388	184	2361	0.752	ug/ml#	84
67) Dibenzofuran	7.509	168	35271	1.009	ug/ml	95
68) 2,4-Dinitrotoluene	7.521	165	6602	0.906	ug/ml	99
69) 4-Nitrophenol	7.484	65	4161	0.922	ug/ml#	74
70) 2,3,5,6-Tetrachlorophenol	7.602	232	5979	0.928	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL4.D
 Acq On : 27 Aug 2025 10:07 pm
 Operator : SV106:smz
 Sample : IL7,32,,ABNL1 Lot# 11890
 Misc : WG2108428,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:24:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	6047	0.967	ug/ml	96
72)	Diethyl phthalate	7.795	149	27875	0.970	ug/ml	99
73)	Fluorene	7.844	166	26852	0.979	ug/ml	95
74)	4-Chlorophenyl phenyl ...	7.872	204	13071	1.002	ug/ml	90
75)	4-Nitroaniline	7.875	138	6109	0.956	ug/ml#	79
76)	4,6-Dinitro-o-cresol	7.913	198	3328	0.821	ug/ml#	65
77)	NDPA/DPA	7.990	169	23020	1.004	ug/ml	96
78)	Azobenzene	8.022	77	23759	0.985	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	7918	0.984	ug/ml#	83
81)	Hexachlorobenzene	8.388	284	8800	0.977	ug/ml#	86
82)	Pentachlorophenol	8.587	266	3728	0.703	ug/ml	99
89)	Phenanthrene	8.774	178	42826	0.980	ug/ml	99
90)	Anthracene	8.827	178	41695	0.974	ug/ml	99
91)	Carbazole	9.001	167	38867	0.989	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	42427	0.922	ug/ml	99
93)	Fluoranthene	9.942	202	46320M3	0.983	ug/ml	
94)	Benzidine	10.104	184	21771	0.720	ug/ml#	96
95)	Pyrene	10.154	202	50320	1.001	ug/ml	100
97)	Butyl benzyl phthalate	10.890	149	16645	0.866	ug/ml	90
105)	Benzo(a)anthracene	11.385	228	47845	0.971	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.394	252	16110	0.950	ug/ml	98
107)	Chrysene	11.419	228	48588	0.995	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	27600	0.892	ug/ml#	90
109)	Di-n-octylphthalate	12.211	149	41100	0.793	ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	46355	0.993	ug/ml	97
111)	Benzo(k)fluoranthene	12.513	252	48092M3	1.010	ug/ml	
112)	Benzo(a)pyrene	12.796	252	44388	1.015	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	42365	0.932	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.843	278	45654	0.970	ug/ml	95
116)	Benzo(ghi)perylene	14.039	276	44301	0.955	ug/ml	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

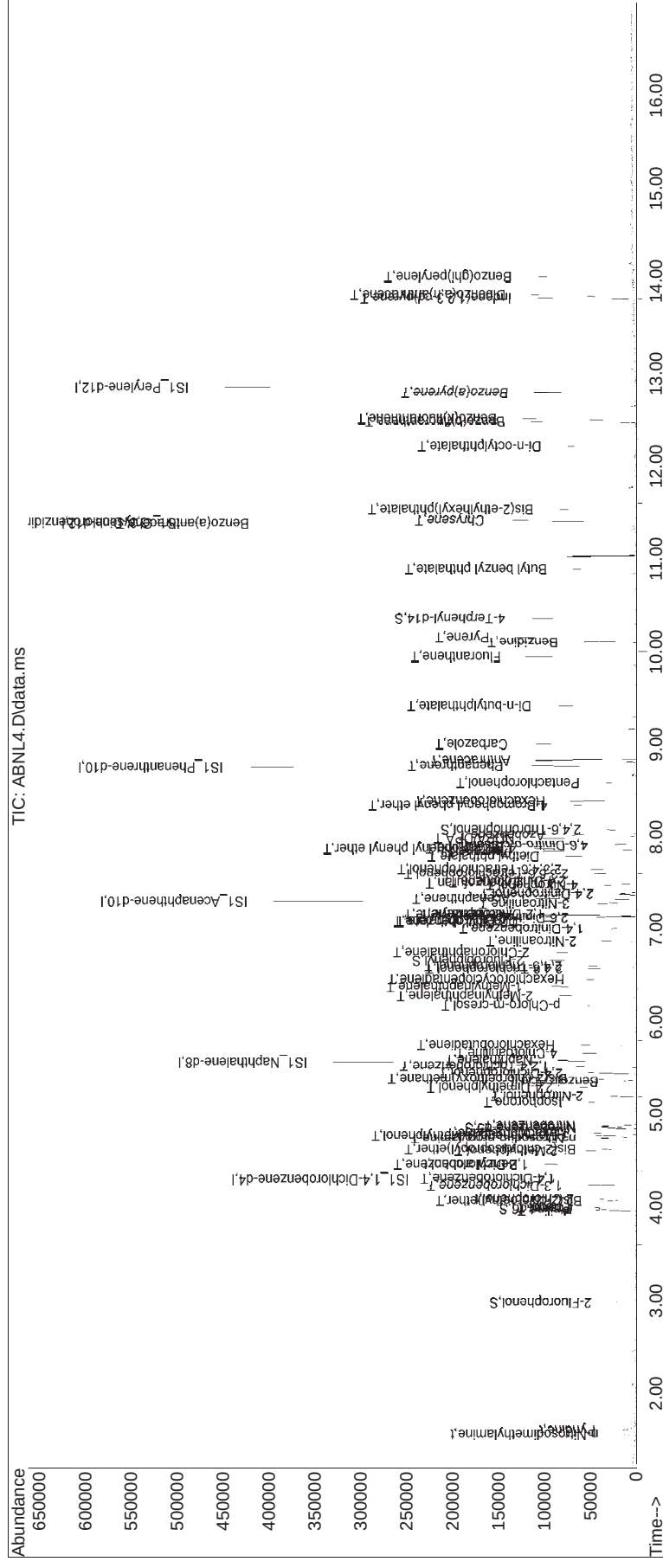
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ABNL4.D
Acq On        : 27 Aug 2025  10:07 pm
Operator      : SV106:smz
Sample        : IL7,32,,ABNL1 Lot# 11890
Misc          : WG2108428,,
ALS Vial      : 6 Sample Multiplier: 1

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Quant Time: Aug 28 10:24:57 2025
Quant Method : I:\8270\SV106\25082ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

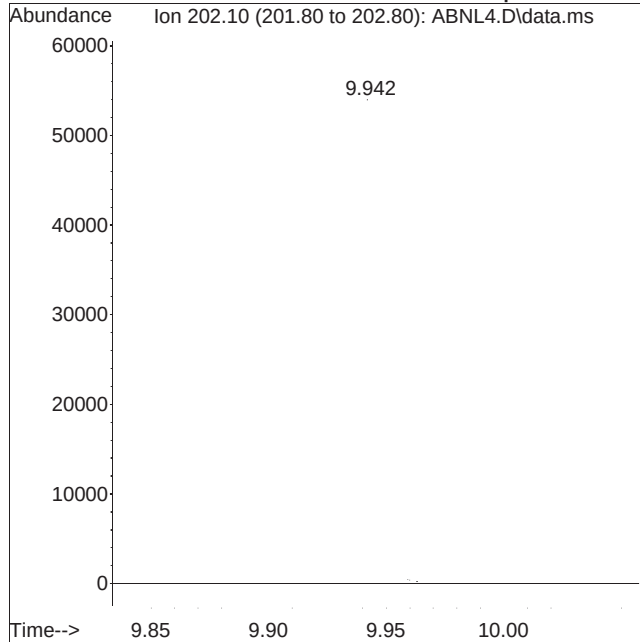
Sub List : ABNita\827ABNV106\250827SCAL\AP9L6.D.



Manual Integration Report

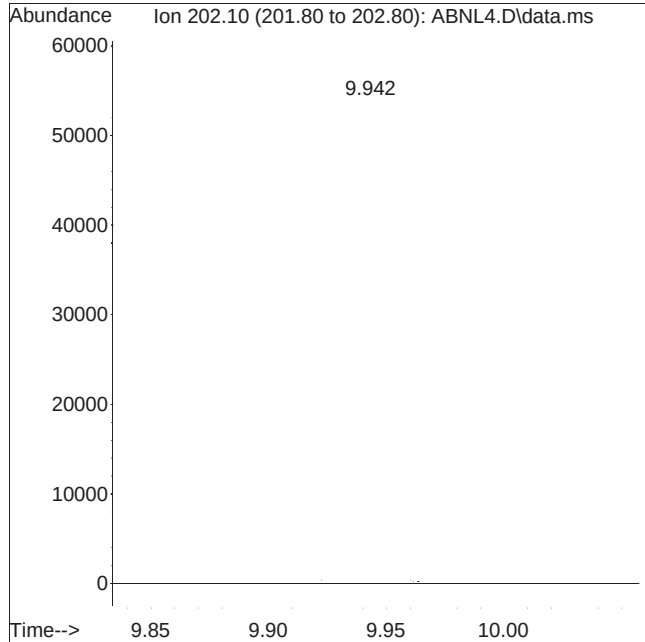
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL4.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:07 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11890 Quant Date : 8/28/2025 10:25 am

Compound #93: Fluoranthene



Original Peak Response = 46326

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

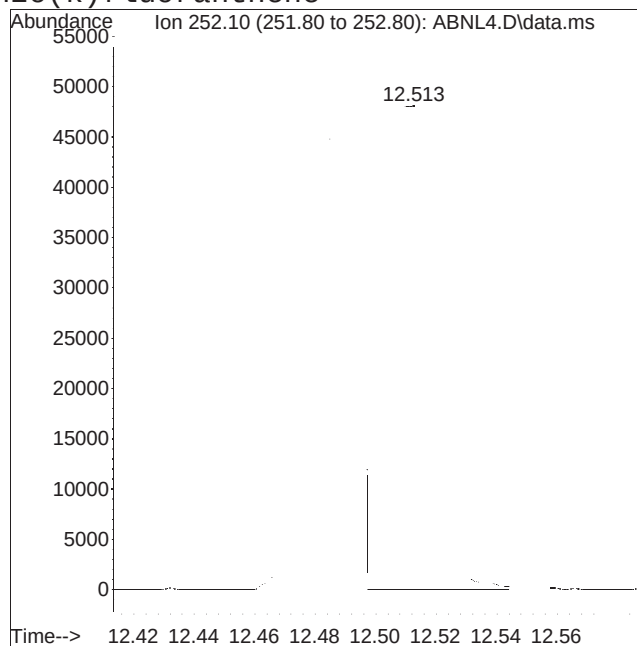
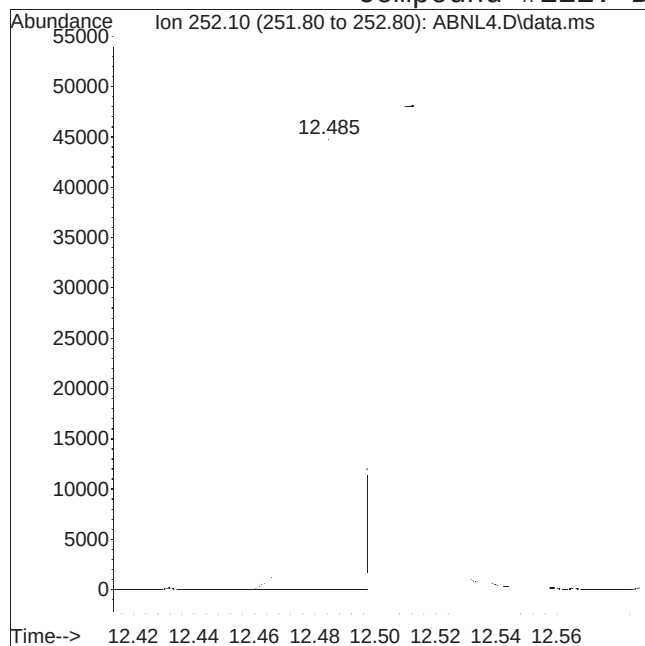


Manual Peak Response = 46320 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL4.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:07 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11890 Quant Date : 8/28/2025 10:25 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 46355

Manual Peak Response = 48092 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL3.D
 Acq On : 27 Aug 2025 10:28 pm
 Operator : SV106:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108428,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	32913	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	96.83%		
35) IS1_Naphthalene-d8	5.572	136	128086	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	94.80%		
63) IS1_Acenaphthene-d10	7.307	164	73377	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	91.55%		
88) IS1_Phenanthrene-d10	8.752	188	141605	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	91.50%		
104) IS1_Chrysene-d12	11.391	240	140335	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	89.47%		
113) IS1_Perylene-d12	12.851	264	156713	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	95.01%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	4118	0.453	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	22.65%		
7) Phenol-d6	3.993	99	5313	0.490	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	24.50%		
19) Nitrobenzene-d5	4.867	82	4728	0.469	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	46.90%		
46) 2-Fluorobiphenyl	6.673	172	12749	0.485	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	48.50%		
79) 2,4,6-Tribromophenol	8.077	330	1596	0.449	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	22.45%		
96) 4-Terphenyl-d14	10.359	244	16587	0.477	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	47.70%		
Target Compounds						
2) n-Nitrosodimethylamine	1.557	74	2668	0.491	ug/ml#	67
3) Pyridine	1.603	79	4463M1	0.480	ug/ml	
5) Aniline	3.975	93	6496	0.454	ug/ml	96
6) 2-Chlorophenol	4.093	128	5137	0.469	ug/ml#	90
8) Phenol	4.006	94	5768	0.486	ug/ml	94
9) Bis(2-chloroethyl)ether	4.074	93	4747	0.505	ug/ml	86
10) 1,3-Dichlorobenzene	4.245	146	6579	0.500	ug/ml	97
11) 1,4-Dichlorobenzene	4.320	146	6896	0.513	ug/ml	97
12) 1,2-Dichlorobenzene	4.472	146	6610	0.511	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL3.D
 Acq On : 27 Aug 2025 10:28 pm
 Operator : SV106:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108428,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	3733	0.470	ug/ml	93
14) Bis(2-chloroisopropyl)...	4.634	45	7711	0.502	ug/ml#	72
15) 2-Methylphenol	4.615	108	4449	0.490	ug/ml	100
16) Hexachloroethane	4.808	117	2438	0.492	ug/ml#	75
17) n-Nitrosodi-n-propylamine	4.752	70	2892	0.432	ug/ml#	90
18) 3-Methylphenol/4-Methy...	4.777	108	4504	0.454	ug/ml#	97
20) Nitrobenzene	4.885	77	5038	0.486	ug/ml#	95
21) Isophorone	5.137	82	8684	0.460	ug/ml#	91
22) 2-Nitrophenol	5.209	139	2196	0.417	ug/ml#	76
23) 2,4-Dimethylphenol	5.302	107	4597	0.439	ug/ml	91
24) Bis(2-chloroethoxy)met...	5.389	93	6140	0.483	ug/ml#	95
25) 2,4-Dichlorophenol	5.454	162	4338	0.451	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.529	180	5399	0.478	ug/ml	95
36) Naphthalene	5.594	128	17375	0.502	ug/ml	99
37) Benzoic Acid	5.361	105	1465	0.910	ug/ml	93
38) 4-Chloroaniline	5.675	65	1813	0.484	ug/ml#	61
39) Hexachlorobutadiene	5.756	225	3256	0.507	ug/ml	96
40) p-Chloro-m-cresol	6.191	107	4253	0.468	ug/ml	99
41) 2-Methylnaphthalene	6.287	142	9710	0.473	ug/ml	93
42) 1-Methylnaphthalene	6.380	115	3643	0.501	ug/ml	93
43) Hexachlorocyclopentadiene	6.464	237	3701	0.455	ug/ml#	95
44) 2,4,6-Trichlorophenol	6.585	196	3152	0.461	ug/ml	95
45) 2,4,5-Trichlorophenol	6.610	196	3154	0.411	ug/ml	95
47) 2-Chloronaphthalene	6.760	162	11439	0.491	ug/ml	96
48) 2-Nitroaniline	6.878	138	2723	0.413	ug/ml#	83
49) 1,4-Dinitrobenzene	7.018	168	1152	0.371	ug/ml	85
50) 1,3-Dinitrobenzene	7.089	168	1424	0.398	ug/ml#	1
51) Dimethyl phthalate	7.092	163	12588	0.459	ug/ml#	96
52) Acenaphthylene	7.160	152	17344	0.463	ug/ml	98
53) 2,6-Dinitrotoluene	7.129	165	2113	0.395	ug/ml#	83
54) 1,2-Dinitrobenzene	7.167	168	857	0.368	ug/ml#	1
64) 3-Nitroaniline	7.285	138	2624	0.419	ug/ml#	84
65) Acenaphthene	7.335	154	10128	0.486	ug/ml	86
66) 2,4-Dinitrophenol	7.387	184	914	0.301	ug/ml#	25
67) Dibenzofuran	7.509	168	16488	0.487	ug/ml	96
68) 2,4-Dinitrotoluene	7.518	165	3025	0.429	ug/ml	95
69) 4-Nitrophenol	7.484	65	1976	0.452	ug/ml	85
70) 2,3,5,6-Tetrachlorophenol	7.605	232	2580	0.414	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL3.D
 Acq On : 27 Aug 2025 10:28 pm
 Operator : SV106:smz
 Sample : IL8,32,,ABNL0.5 Lot# 11891
 Misc : WG2108428,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:24:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	2792	0.461	ug/ml	90
72)	Diethyl phthalate	7.791	149	12899	0.464	ug/ml	99
73)	Fluorene	7.844	166	12862	0.485	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	6214	0.492	ug/ml	92
75)	4-Nitroaniline	7.875	138	2572	0.416	ug/ml	85
76)	4,6-Dinitro-o-cresol	7.913	198	1361	0.347	ug/ml#	67
77)	NDPA/DPA	7.990	169	10268	0.463	ug/ml	92
78)	Azobenzene	8.021	77	11015	0.472	ug/ml	98
80)	4-Bromophenyl phenyl e...	8.345	248	3691	0.474	ug/ml#	88
81)	Hexachlorobenzene	8.385	284	4218	0.484	ug/ml#	86
82)	Pentachlorophenol	8.587	266	1511	0.295	ug/ml	90
89)	Phenanthrene	8.777	178	20869	0.490	ug/ml	99
90)	Anthracene	8.823	178	19598	0.470	ug/ml	99
91)	Carbazole	9.000	167	18163	0.475	ug/ml	99
92)	Di-n-butylphthalate	9.414	149	18944	0.423	ug/ml	97
93)	Fluoranthene	9.942	202	21374M3	0.466	ug/ml	
94)	Benzidine	10.104	184	8865	0.301	ug/ml#	97
95)	Pyrene	10.154	202	23126	0.472	ug/ml	98
97)	Butyl benzyl phthalate	10.890	149	7629	0.407	ug/ml	85
105)	Benzo(a)anthracene	11.381	228	22611	0.478	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.391	252	7188	0.441	ug/ml	98
107)	Chrysene	11.415	228	23647	0.504	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.534	149	12024	0.405	ug/ml#	89
109)	Di-n-octylphthalate	12.211	149	18152	0.365	ug/ml#	73
110)	Benzo(b)fluoranthene	12.482	252	22316M3	0.498	ug/ml	
111)	Benzo(k)fluoranthene	12.510	252	21176	0.463	ug/ml	99
112)	Benzo(a)pyrene	12.795	252	19740	0.470	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	19422M3	0.435	ug/mL	
115)	Dibenzo(a,h)anthracene	13.837	278	21229	0.459	ug/ml	94
116)	Benzo(ghi)perylene	14.036	276	21204	0.465	ug/ml#	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

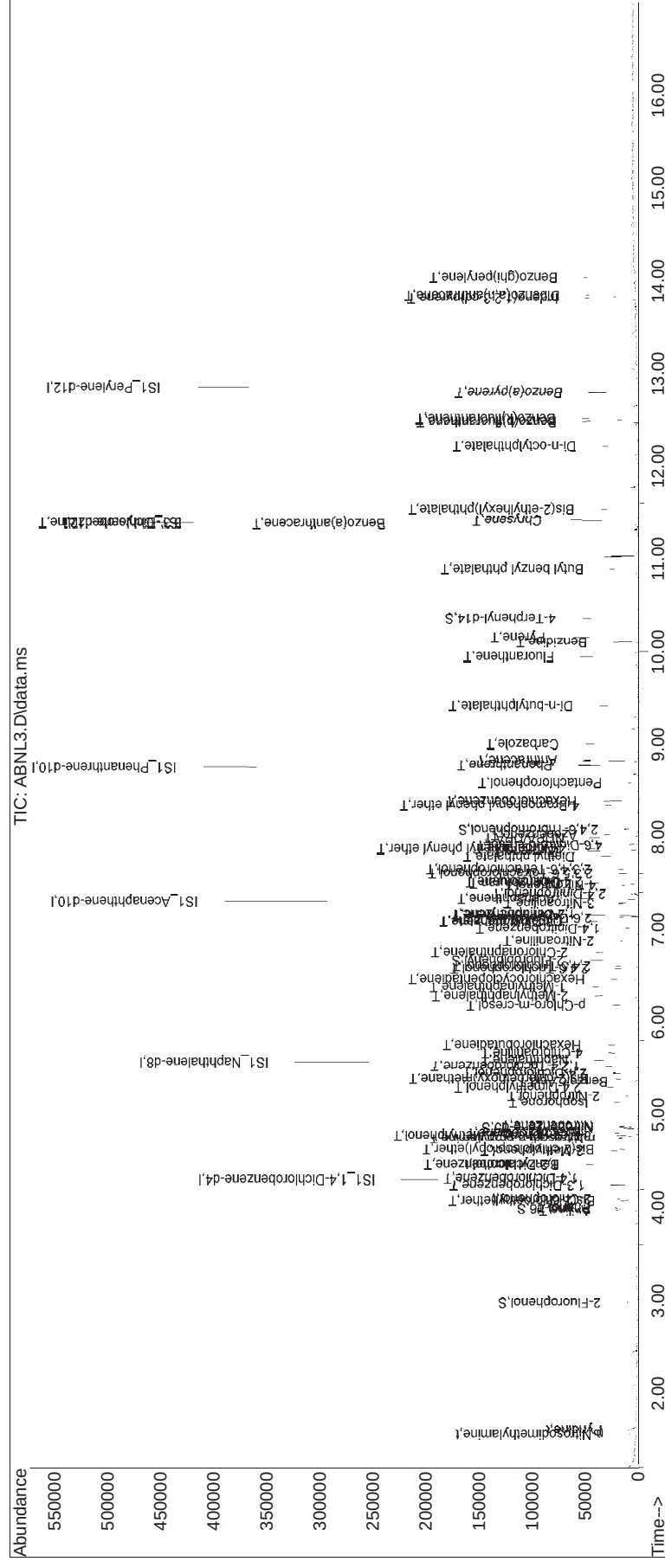
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ABNL3.D
Acq On        : 27 Aug 2025  10:28 pm
Operator      : SV106:smz
Sample        : IL8,32,,ABNL0.5 Lot# 11891
Misc          : WG2108428,,
ALS Vial      : 7 Sample Multiplier: 1

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Quant Time: Aug 28 10:24:10 2025
Quant Method : I:\8270\SV106\25082ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

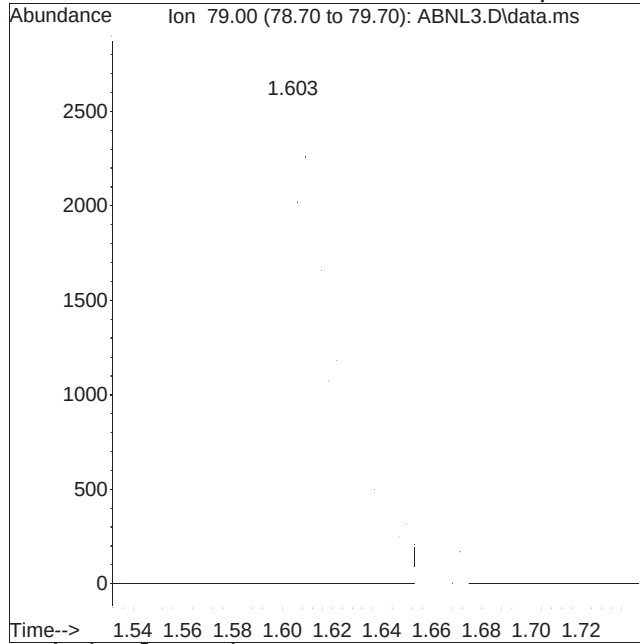
Sub List : ABNITa\827ABNV106\250827ISCAL\AP9L6.D.



Manual Integration Report

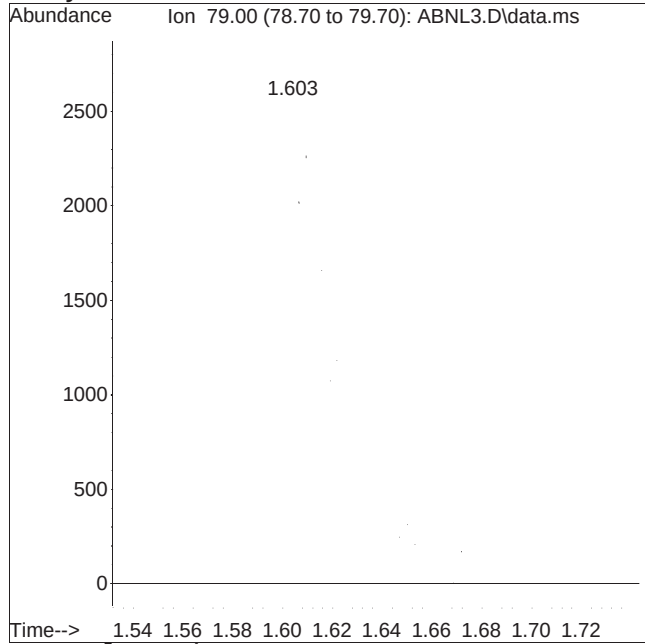
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #3: Pyridine



Original Peak Response = 4240

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

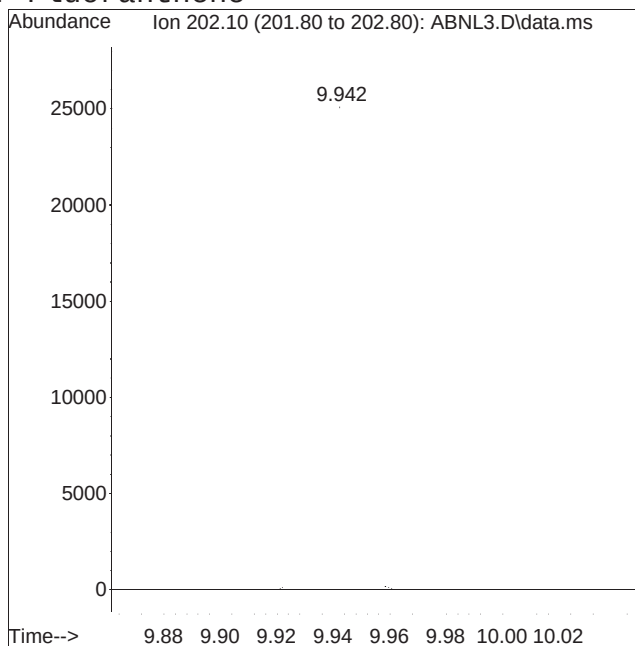
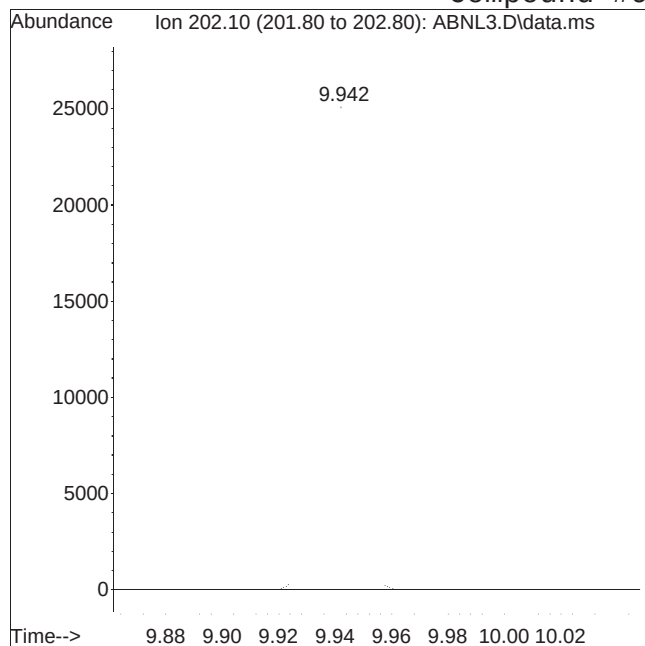


Manual Peak Response = 4463 M1

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #93: Fluoranthene



Original Peak Response = 21374

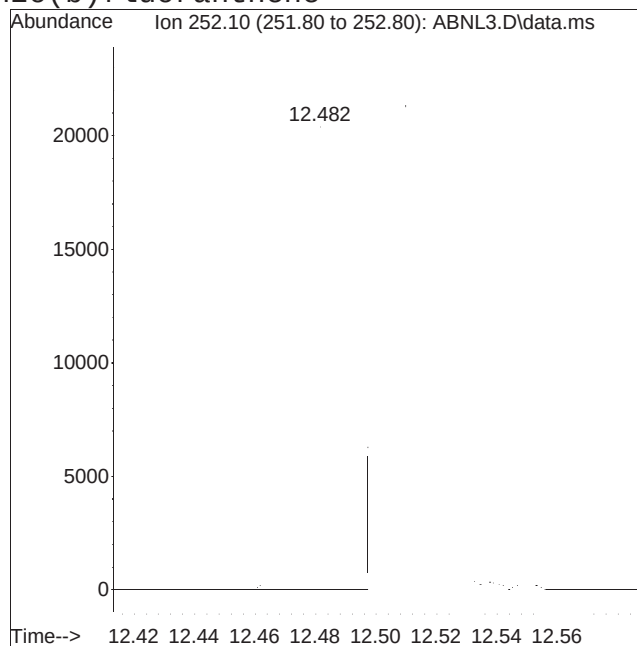
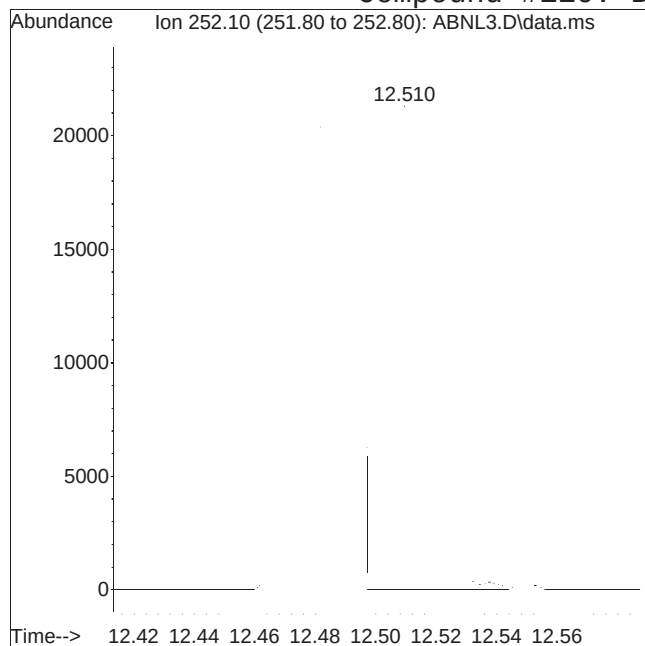
Manual Peak Response = 21374 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #110: Benzo(b)fluoranthene



Original Peak Response = 21176

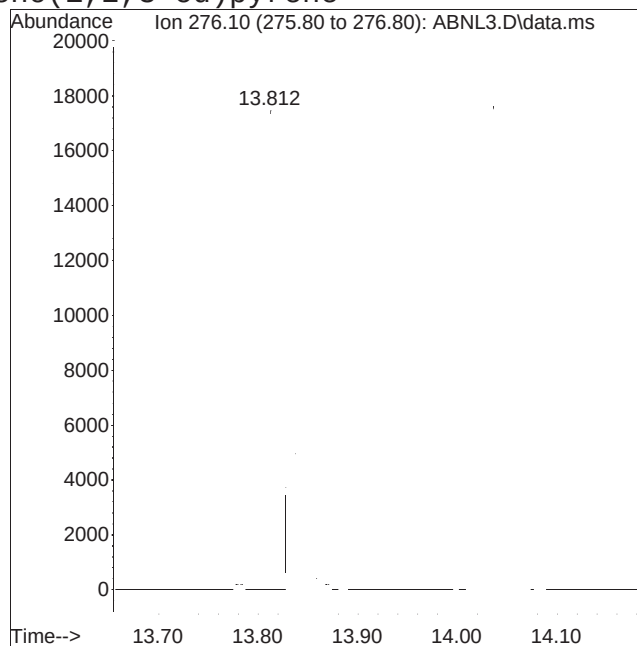
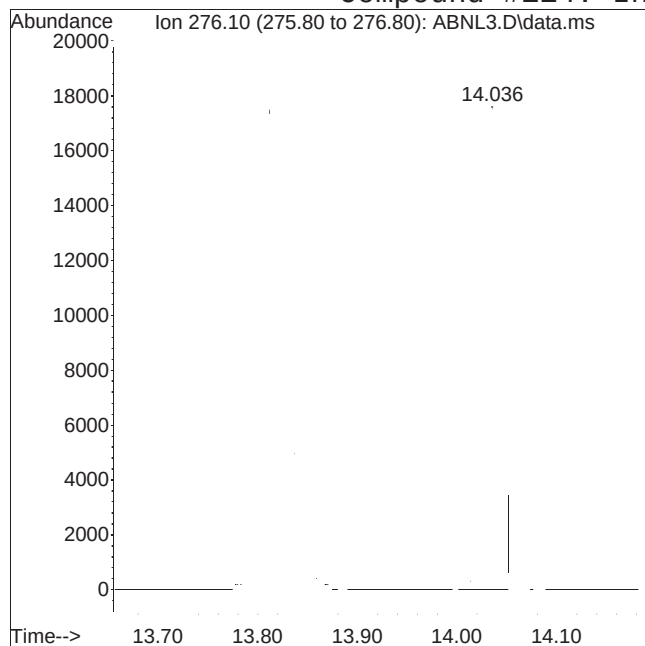
Manual Peak Response = 22316 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL3.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:28 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11891 Quant Date : 8/28/2025 10:24 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 20374

Manual Peak Response = 19422 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL2.D
 Acq On : 27 Aug 2025 10:50 pm
 Operator : SV106:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108428,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33315	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	98.01%		
35) IS1_Naphthalene-d8	5.572	136	129159	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery =	95.59%		
63) IS1_Acenaphthene-d10	7.304	164	74464	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	92.91%		
88) IS1_Phenanthrene-d10	8.752	188	144582	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery =	93.43%		
104) IS1_Chrysene-d12	11.391	240	140266	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	89.43%		
113) IS1_Perylene-d12	12.855	264	152427	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	92.42%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.980	112	1700	0.185	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	9.25%#		
7) Phenol-d6	3.994	99	2058	0.187	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	9.35%#		
19) Nitrobenzene-d5	4.867	82	1806	0.177	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	17.70%#		
46) 2-Fluorobiphenyl	6.670	172	5394	0.204	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	20.40%#		
79) 2,4,6-Tribromophenol	8.078	330	567	0.157	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	7.85%#		
96) 4-Terphenyl-d14	10.359	244	6848	0.193	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	19.30%#		
Target Compounds						
2) n-Nitrosodimethylamine	1.563	74	1044	0.190	ug/ml#	76
3) Pyridine	1.613	79	1674	0.178	ug/ml#	72
5) Aniline	3.978	93	2195	0.152	ug/ml#	82
6) 2-Chlorophenol	4.090	128	1899	0.171	ug/ml	92
8) Phenol	4.006	94	2227	0.186	ug/ml	91
9) Bis(2-chloroethyl)ether	4.077	93	1759	0.185	ug/ml	90
10) 1,3-Dichlorobenzene	4.245	146	2775	0.208	ug/ml	94
11) 1,4-Dichlorobenzene	4.323	146	2550	0.187	ug/ml	87
12) 1,2-Dichlorobenzene	4.469	146	2668	0.204	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL2.D
 Acq On : 27 Aug 2025 10:50 pm
 Operator : SV106:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108428,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	1530	0.191	ug/ml	90
14) Bis(2-chloroisopropyl)...	4.634	45	3021	0.194	ug/ml#	59
15) 2-Methylphenol	4.615	108	1526	0.166	ug/ml#	80
16) Hexachloroethane	4.805	117	993	0.198	ug/ml#	75
17) n-Nitrosodi-n-propylamine	4.755	70	1209	0.178	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.777	108	1794	0.178	ug/ml#	96
20) Nitrobenzene	4.886	77	1880	0.179	ug/ml#	86
21) Isophorone	5.140	82	3472	0.182	ug/ml#	94
22) 2-Nitrophenol	5.209	139	821	0.154	ug/ml#	31
23) 2,4-Dimethylphenol	5.302	107	1916	0.181	ug/ml	95
24) Bis(2-chloroethoxy)met...	5.389	93	2494	0.194	ug/ml#	89
25) 2,4-Dichlorophenol	5.454	162	1579	0.162	ug/ml#	69
26) 1,2,4-Trichlorobenzene	5.529	180	2213	0.193	ug/ml	91
36) Naphthalene	5.594	128	7189	0.206	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.672	65	617	0.163	ug/ml#	34
39) Hexachlorobutadiene	5.756	225	1340	0.207	ug/ml	92
40) p-Chloro-m-cresol	6.188	107	1599	0.174	ug/ml#	81
41) 2-Methylnaphthalene	6.287	142	4131	0.200	ug/ml	96
42) 1-Methylnaphthalene	6.381	115	1502	0.205	ug/ml	95
43) Hexachlorocyclopentadiene	6.461	237	1488	0.181	ug/ml#	91
44) 2,4,6-Trichlorophenol	6.586	196	1065	0.155	ug/ml#	81
45) 2,4,5-Trichlorophenol	6.614	196	1293	0.167	ug/ml#	78
47) 2-Chloronaphthalene	6.760	162	4798	0.204	ug/ml	97
48) 2-Nitroaniline	6.875	138	1040	0.156	ug/ml	87
49) 1,4-Dinitrobenzene	7.018	168	458M3	0.146	ug/ml	
50) 1,3-Dinitrobenzene	7.089	168	582	0.161	ug/ml#	1
51) Dimethyl phthalate	7.089	163	5325	0.192	ug/ml#	96
52) Acenaphthylene	7.161	152	6866	0.182	ug/ml	98
53) 2,6-Dinitrotoluene	7.133	165	844	0.156	ug/ml#	84
54) 1,2-Dinitrobenzene	7.170	168	350M3	0.149	ug/ml	
64) 3-Nitroaniline	7.282	138	1013	0.159	ug/ml#	58
65) Acenaphthene	7.335	154	4137	0.196	ug/ml	83
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.509	168	7190	0.209	ug/ml	94
68) 2,4-Dinitrotoluene	7.521	165	1129	0.158	ug/ml	98
69) 4-Nitrophenol	7.487	65	655	0.148	ug/ml#	58
70) 2,3,5,6-Tetrachlorophenol	7.605	232	875	0.138	ug/ml#	73

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL2.D
 Acq On : 27 Aug 2025 10:50 pm
 Operator : SV106:smz
 Sample : IL9,32,,ABNL0.2 Lot# 11892
 Misc : WG2108428,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:23:40 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.646	232	855	0.139	ug/ml#	68
72)	Diethyl phthalate	7.795	149	5540	0.196	ug/ml	96
73)	Fluorene	7.845	166	5409	0.201	ug/ml	97
74)	4-Chlorophenyl phenyl ...	7.869	204	2478	0.193	ug/ml	93
75)	4-Nitroaniline	7.876	138	1095	0.175	ug/ml#	69
76)	4,6-Dinitro-o-cresol	7.916	198	556	0.140	ug/ml#	31
77)	NDPA/DPA	7.987	169	4251	0.189	ug/ml	93
78)	Azobenzene	8.022	77	4329	0.183	ug/ml#	90
80)	4-Bromophenyl phenyl e...	8.342	248	1608	0.204	ug/ml#	82
81)	Hexachlorobenzene	8.385	284	1817	0.205	ug/ml#	86
82)	Pentachlorophenol	8.584	266	482M2	0.093	ug/ml	
89)	Phenanthrene	8.774	178	9129	0.210	ug/ml	99
90)	Anthracene	8.824	178	8564	0.201	ug/ml	99
91)	Carbazole	9.001	167	7393	0.189	ug/ml	98
92)	Di-n-butylphthalate	9.411	149	8012	0.175	ug/ml#	93
93)	Fluoranthene	9.939	202	9113	0.195	ug/ml#	93
94)	Benzidine	10.104	184	1668	0.055	ug/ml#	68
95)	Pyrene	10.154	202	9873	0.198	ug/ml	98
97)	Butyl benzyl phthalate	10.887	149	2946	0.154	ug/ml#	81
105)	Benzo(a)anthracene	11.382	228	9225	0.195	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.391	252	2673	0.164	ug/ml	93
107)	Chrysene	11.419	228	10123	0.216	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.531	149	4573	0.154	ug/ml#	89
109)	Di-n-octylphthalate	12.208	149	6756	0.136	ug/ml#	72
110)	Benzo(b)fluoranthene	12.485	252	8708M3	0.194	ug/ml	
111)	Benzo(k)fluoranthene	12.510	252	8705	0.191	ug/ml	96
112)	Benzo(a)pyrene	12.793	252	7548	0.180	ug/ml	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	7575	0.174	ug/mL	92
115)	Dibenzo(a,h)anthracene	13.840	278	8481	0.188	ug/ml#	92
116)	Benzo(ghi)perylene	14.039	276	8549	0.193	ug/ml#	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

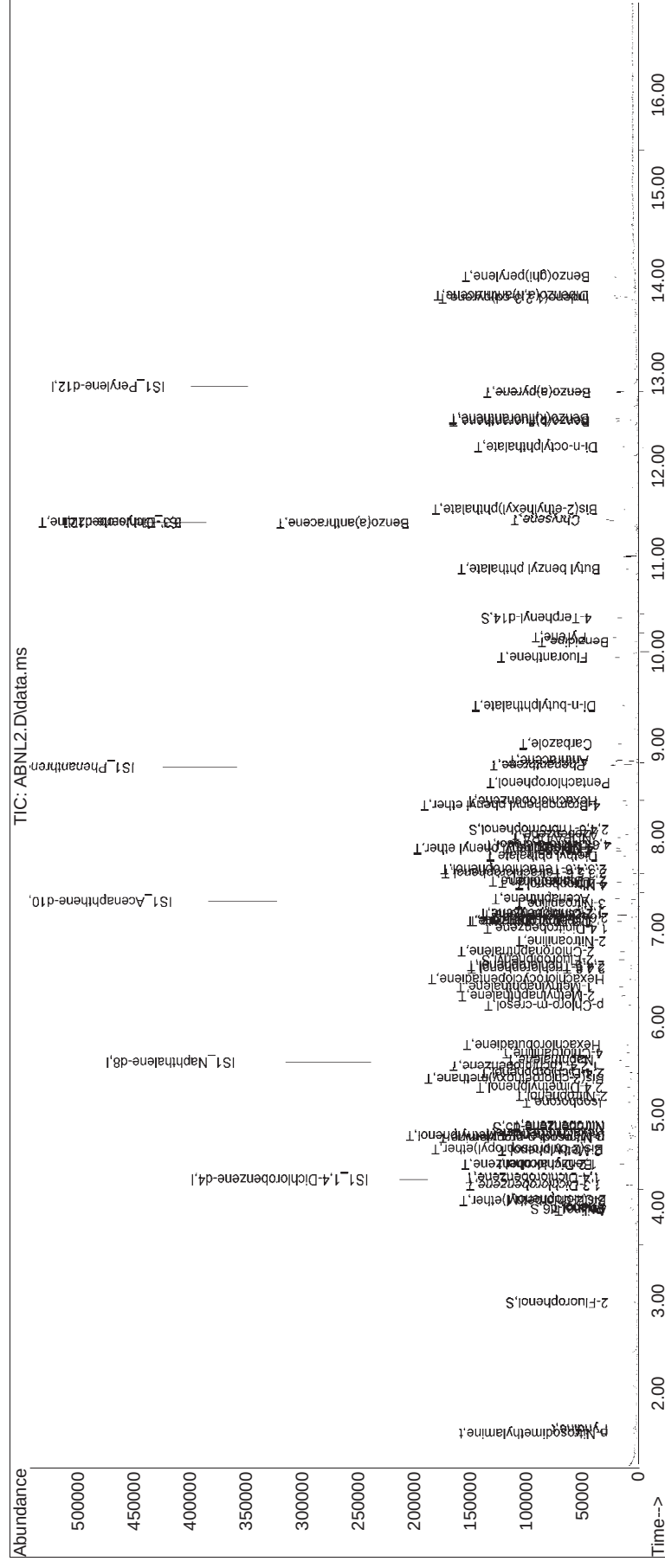
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ABNL2.D
Acq On        : 27 Aug 2025  10:50 pm
Operator      : SV106:smz
Sample        : IL9,32,,ABNL0.2 Lot# 11892
Misc          : WG2108428,,
ALS Vial      : 8 Sample Multiplier: 1

```

Quant Time: Aug 28 10:23:40 2025
Quant Method : I:\8270\SV106\25082ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

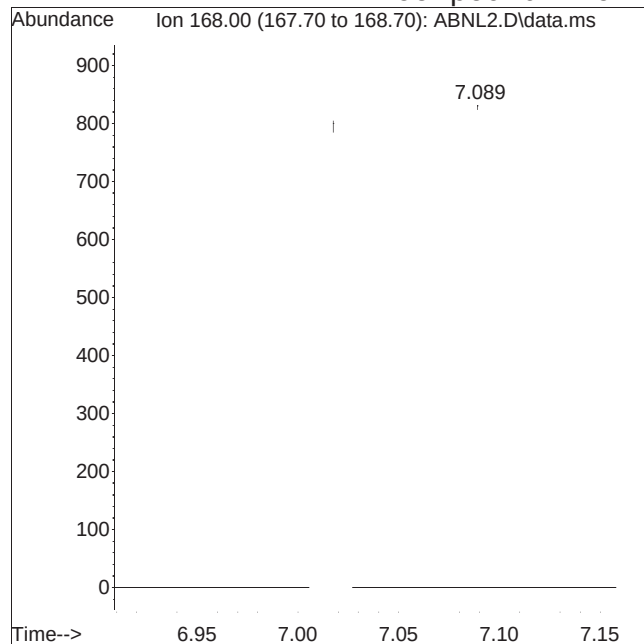
Sub List : ABNita\827ABSV106\250827SCAL\AP9L6.D.



Manual Integration Report

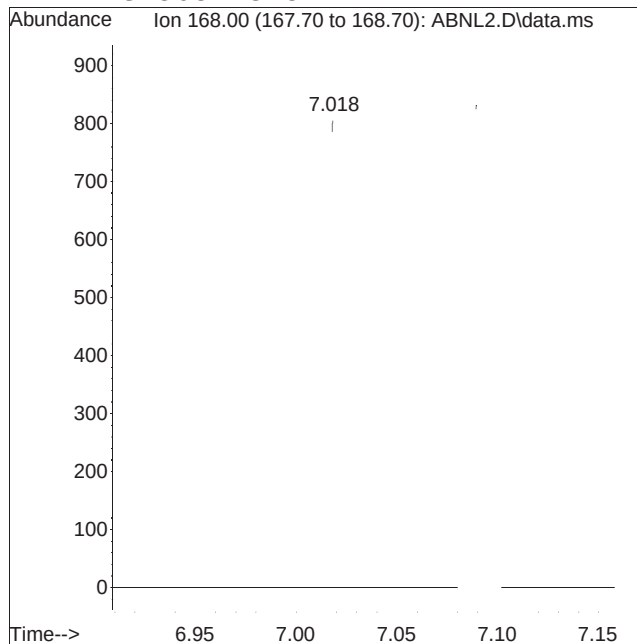
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 582

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

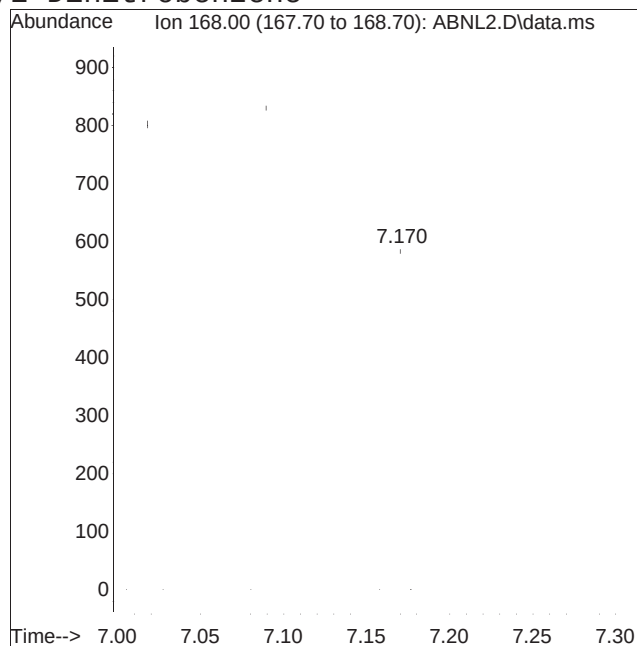
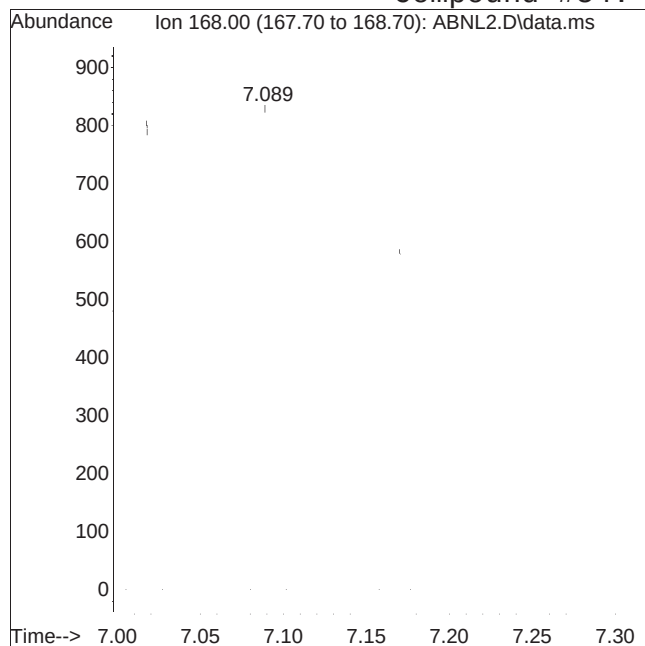


Manual Peak Response = 458 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 582

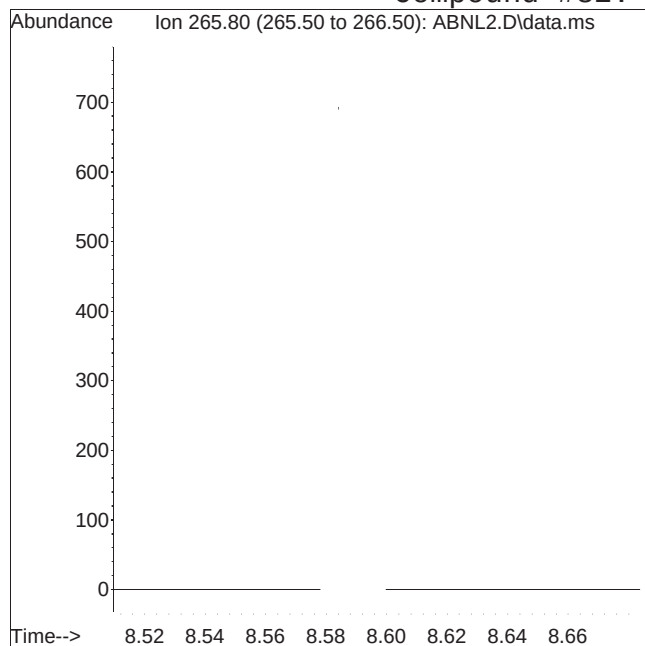
Manual Peak Response = 350 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

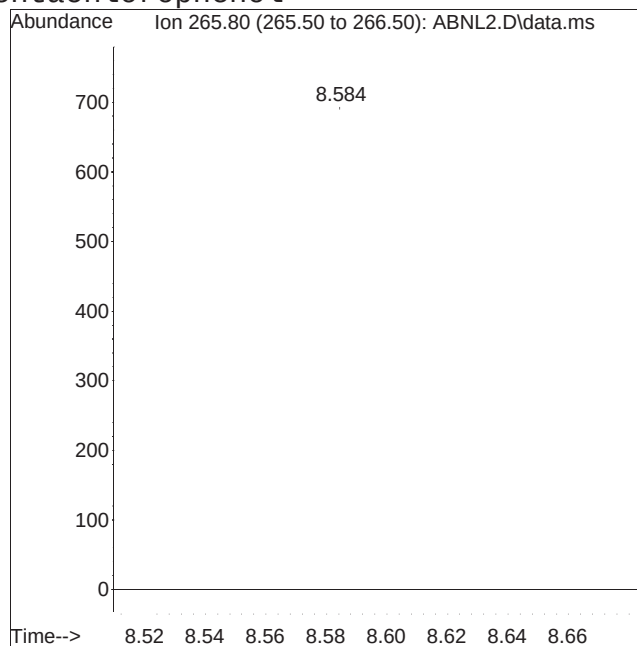
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #82: Pentachlorophenol



Original Peak Response = 0



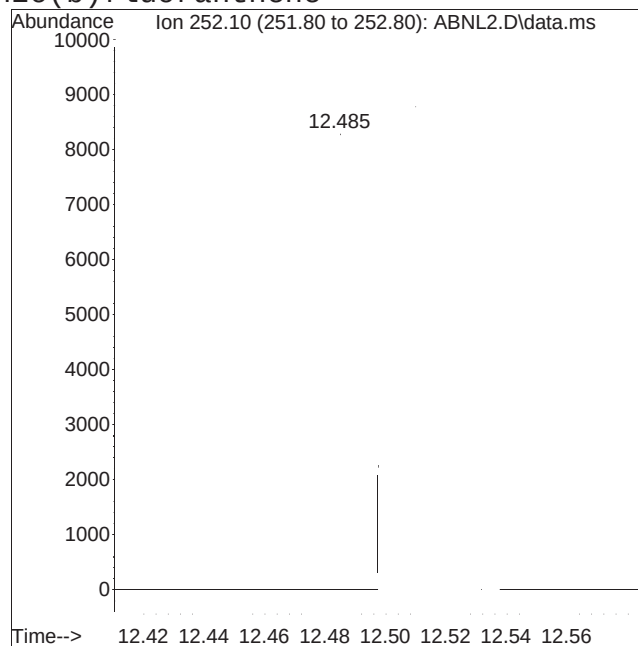
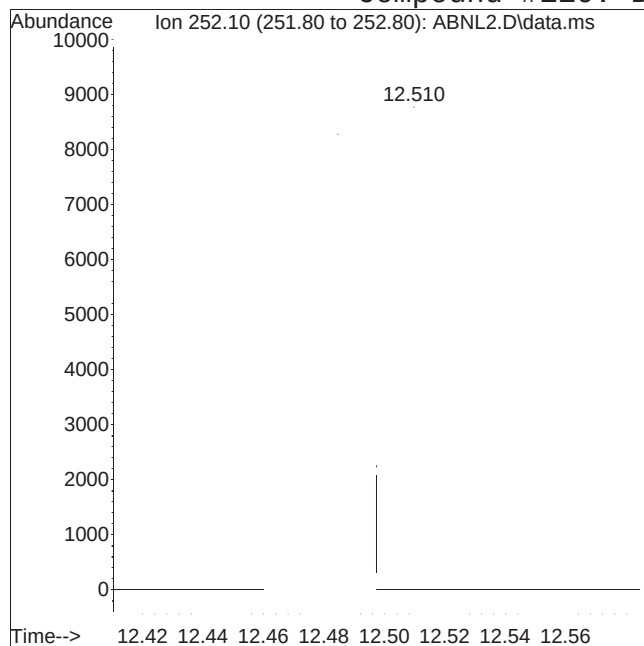
Manual Peak Response = 482 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL2.D Operator : SV106:smz
Date Inj'd : 8/27/2025 10:50 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11892 Quant Date : 8/28/2025 10:24 am

Compound #110: Benzo(b)fluoranthene



Original Peak Response = 8705

Manual Peak Response = 8708 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL1.D
 Acq On : 27 Aug 2025 11:11 pm
 Operator : SV106:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108428,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33092	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	97.36%		
35) IS1_Naphthalene-d8	5.572	136	126528	4.000	ug/ml	0.00
Standard Area 1 = 135116			Recovery =	93.64%		
63) IS1_Acenaphthene-d10	7.307	164	71183	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	88.82%		
88) IS1_Phenanthrene-d10	8.752	188	141603	4.000	ug/ml	0.00
Standard Area 1 = 154754			Recovery =	91.50%		
104) IS1_Chrysene-d12	11.391	240	138097	4.000	ug/ml	0.00
Standard Area 1 = 156844			Recovery =	88.05%		
113) IS1_Perylene-d12	12.851	264	148869	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	90.26%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.977	112	827	0.090	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.50%#		
7) Phenol-d6	3.993	99	933	0.086	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.30%#		
19) Nitrobenzene-d5	4.867	82	916	0.090	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	9.00%#		
46) 2-Fluorobiphenyl	6.673	172	2668	0.103	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	10.30%#		
79) 2,4,6-Tribromophenol	0.000	330	0	0.000	ug/ml	
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#		
96) 4-Terphenyl-d14	10.356	244	3986	0.115	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	11.50%#		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.566	74	517	0.095	ug/ml#	1
3) Pyridine	1.625	79	752	0.080	ug/ml#	1
5) Aniline	3.978	93	718	0.050	ug/ml#	41
6) 2-Chlorophenol	4.093	128	1019	0.092	ug/ml#	30
8) Phenol	4.006	94	1037	0.087	ug/ml#	37
9) Bis(2-chloroethyl)ether	4.074	93	891	0.094	ug/ml#	83
10) 1,3-Dichlorobenzene	4.245	146	1258	0.095	ug/ml	95
11) 1,4-Dichlorobenzene	4.323	146	1373M3	0.102	ug/ml	
12) 1,2-Dichlorobenzene	4.469	146	1287M3	0.099	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL1.D
 Acq On : 27 Aug 2025 11:11 pm
 Operator : SV106:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108428,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.478	79	655	0.082	ug/ml#	53
14) Bis(2-chloroisopropyl)...	4.631	45	1546	0.100	ug/ml#	72
15) 2-Methylphenol	4.615	108	846	0.093	ug/ml#	86
16) Hexachloroethane	4.811	117	406M2	0.082	ug/ml	
17) n-Nitrosodi-n-propylamine	4.758	70	591	0.088	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.780	108	994	0.100	ug/ml#	90
20) Nitrobenzene	4.885	77	922	0.088	ug/ml#	39
21) Isophorone	5.140	82	1683	0.089	ug/ml#	65
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	5.302	107	945	0.090	ug/ml#	69
24) Bis(2-chloroethoxy)met...	5.389	93	1151	0.090	ug/ml#	50
25) 2,4-Dichlorophenol	5.454	162	818	0.085	ug/ml#	25
26) 1,2,4-Trichlorobenzene	5.529	180	1110	0.098	ug/ml#	85
36) Naphthalene	5.594	128	3422	0.100	ug/ml#	54
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.672	65	317M2	0.086	ug/ml	
39) Hexachlorobutadiene	5.756	225	563	0.089	ug/ml#	18
40) p-Chloro-m-cresol	6.191	107	879	0.098	ug/ml#	85
41) 2-Methylnaphthalene	6.290	142	2129	0.105	ug/ml	96
42) 1-Methylnaphthalene	6.383	115	662	0.092	ug/ml#	70
43) Hexachlorocyclopentadiene	6.464	237	767	0.095	ug/ml#	27
44) 2,4,6-Trichlorophenol	6.586	196	507	0.075	ug/ml#	77
45) 2,4,5-Trichlorophenol	6.610	196	707	0.093	ug/ml#	72
47) 2-Chloronaphthalene	6.760	162	2198	0.096	ug/ml	96
48) 2-Nitroaniline	6.875	138	491M2	0.075	ug/ml	
49) 1,4-Dinitrobenzene	0.000		0	N.D.		
50) 1,3-Dinitrobenzene	0.000		0	N.D.		
51) Dimethyl phthalate	7.092	163	2637	0.097	ug/ml#	77
52) Acenaphthylene	7.161	152	3514	0.095	ug/ml#	86
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
54) 1,2-Dinitrobenzene	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	7.335	154	2227	0.110	ug/ml	98
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.512	168	3406	0.104	ug/ml	97
68) 2,4-Dinitrotoluene	7.521	165	555	0.081	ug/ml#	64
69) 4-Nitrophenol	7.487	65	444M3	0.105	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNL1.D
 Acq On : 27 Aug 2025 11:11 pm
 Operator : SV106:smz
 Sample : IL10,32,,ABNL0.1 Lot# 11893
 Misc : WG2108428,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 10:34:38 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 09:58:20 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	449M2	0.076	ug/ml	
72)	Diethyl phthalate	7.791	149	2862	0.106	ug/ml#	87
73)	Fluorene	7.844	166	2804	0.109	ug/ml#	96
74)	4-Chlorophenyl phenyl ...	7.869	204	1357	0.111	ug/ml#	64
75)	4-Nitroaniline	7.875	138	497M2	0.083	ug/ml	
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
77)	NDPA/DPA	7.990	169	2207	0.103	ug/ml	93
78)	Azobenzene	8.021	77	2235	0.099	ug/ml#	56
80)	4-Bromophenyl phenyl e...	8.342	248	826	0.109	ug/ml#	82
81)	Hexachlorobenzene	8.385	284	927	0.110	ug/ml#	33
82)	Pentachlorophenol	0.000		0	N.D.		
89)	Phenanthrene	8.774	178	4852	0.114	ug/ml	96
90)	Anthracene	8.826	178	4315	0.103	ug/ml	98
91)	Carbazole	9.001	167	3550	0.093	ug/ml#	86
92)	Di-n-butylphthalate	9.414	149	4129	0.092	ug/ml#	79
93)	Fluoranthene	9.939	202	4829	0.105	ug/ml	96
94)	Benzidine	10.104	184	963	0.033	ug/ml#	68
95)	Pyrene	10.154	202	5130	0.105	ug/ml	97
97)	Butyl benzyl phthalate	10.887	149	1591	0.085	ug/ml#	76
105)	Benzo(a)anthracene	11.381	228	5218	0.112	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.391	252	1335	0.083	ug/ml#	83
107)	Chrysene	11.416	228	5201	0.113	ug/ml	95
108)	Bis(2-ethylhexyl)phtha...	11.531	149	2830	0.097	ug/ml#	84
109)	Di-n-octylphthalate	12.208	149	4051	0.083	ug/ml#	55
110)	Benzo(b)fluoranthene	12.482	252	4469	0.101	ug/ml	97
111)	Benzo(k)fluoranthene	12.510	252	4555	0.101	ug/ml	98
112)	Benzo(a)pyrene	12.792	252	3892	0.094	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	13.812	276	4090M3	0.096	ug/mL	
115)	Dibenzo(a,h)anthracene	13.834	278	4235	0.096	ug/ml	94
116)	Benzo(ghi)perylene	14.033	276	4559	0.105	ug/ml	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

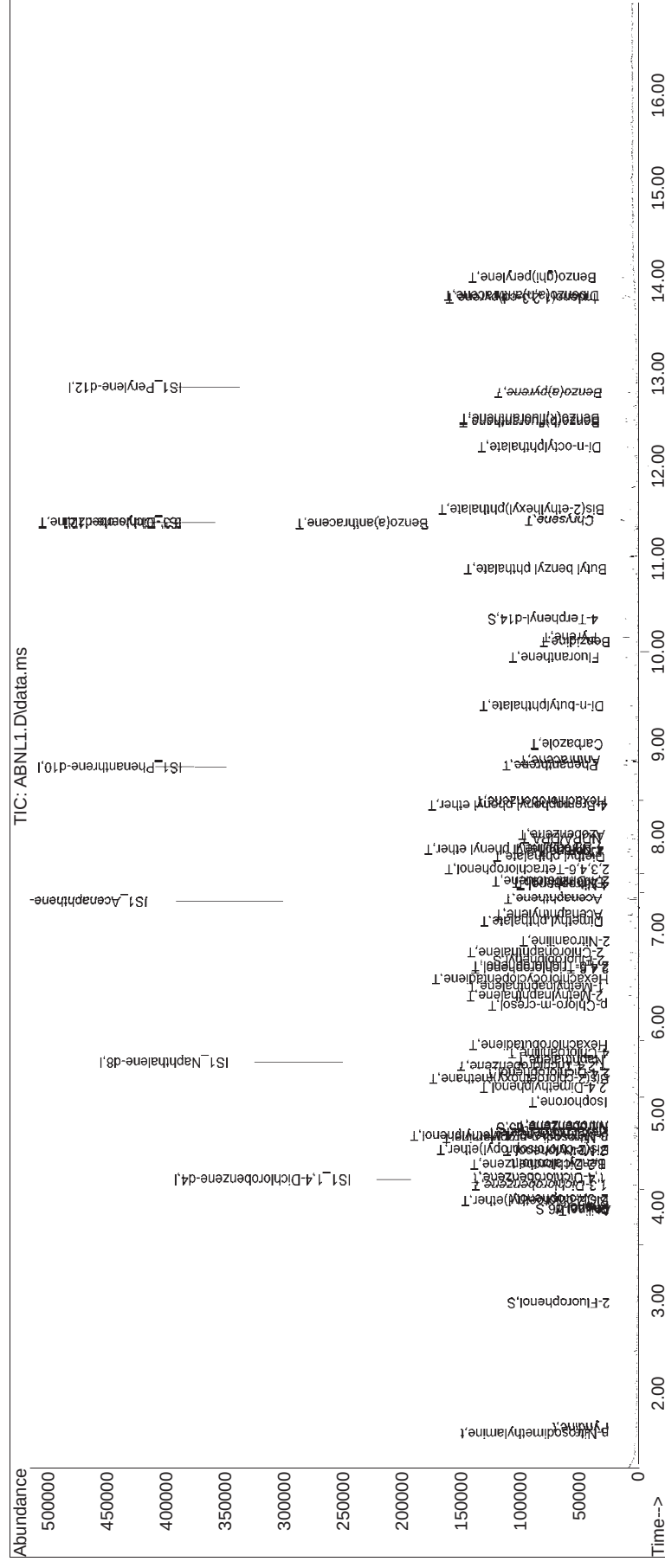
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ABNL1.D
Acq On        : 27 Aug 2025  11:11 pm
Operator      : SV106:smz
Sample        : IL10,32,,ABNL0.1 Lot# 118
Misc          : WG2108428,,
ALS Vial      : 9 Sample Multiplier: 1

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Quant Time: Aug 28 10:34:38 2025
Quant Method : I:\8270\SV106\25082ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 09:58:20 2025
Response via : Initial Calibration

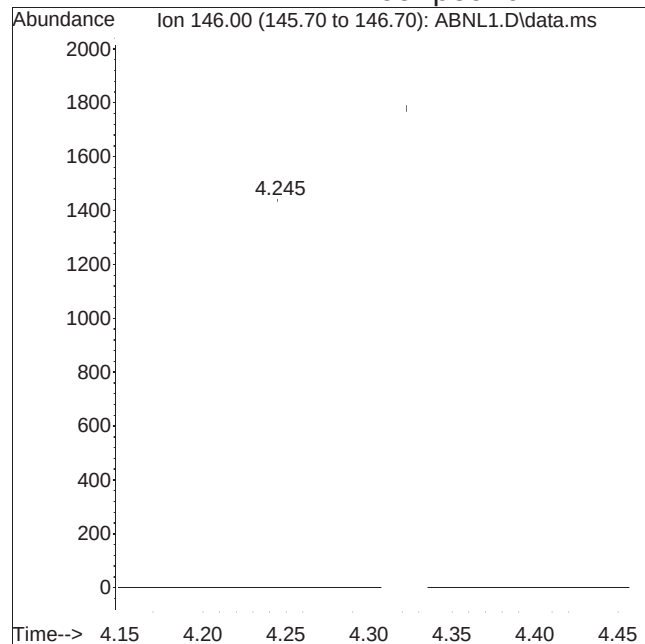
Sub List : ABNITa\827ABNV106\250827ISCAL\AP9L6.D.



Manual Integration Report

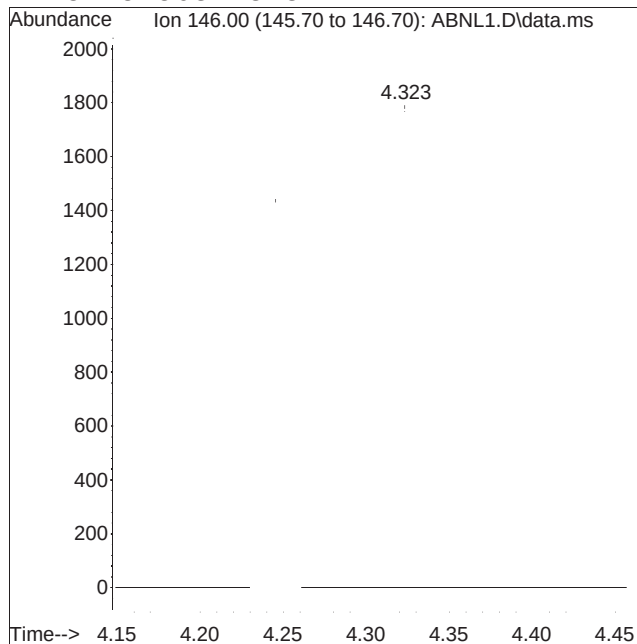
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #11: 1,4-Dichlorobenzene



Original Peak Response = 1258

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

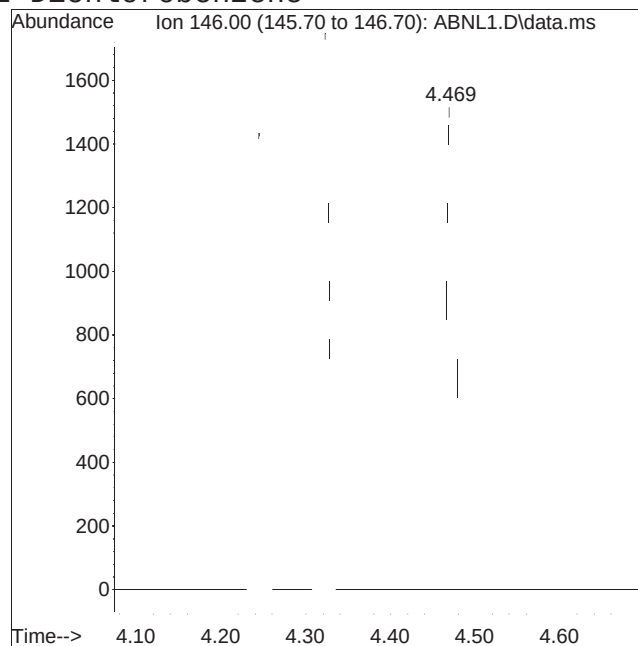
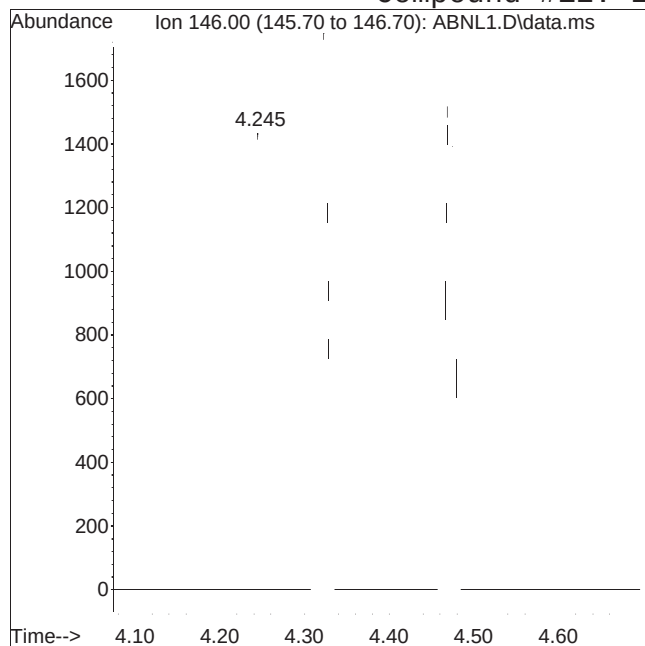


Manual Peak Response = 1373 M3

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #12: 1,2-Dichlorobenzene



Original Peak Response = 1259

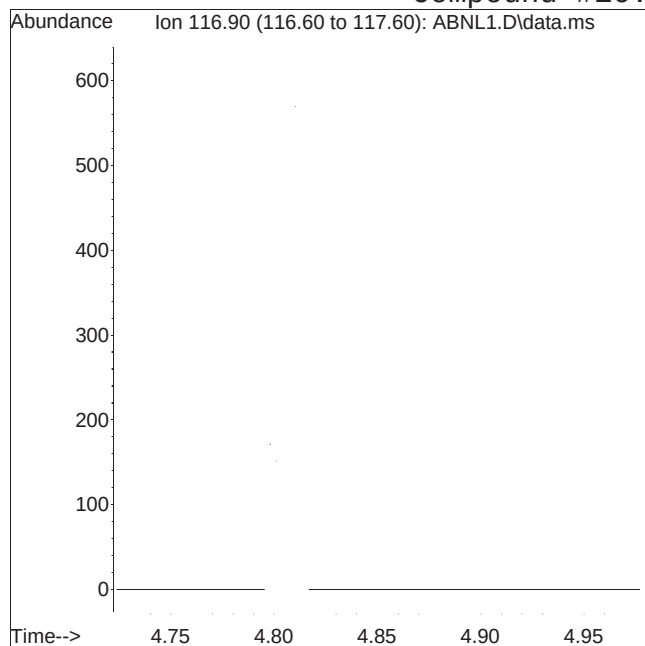
Manual Peak Response = 1287 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

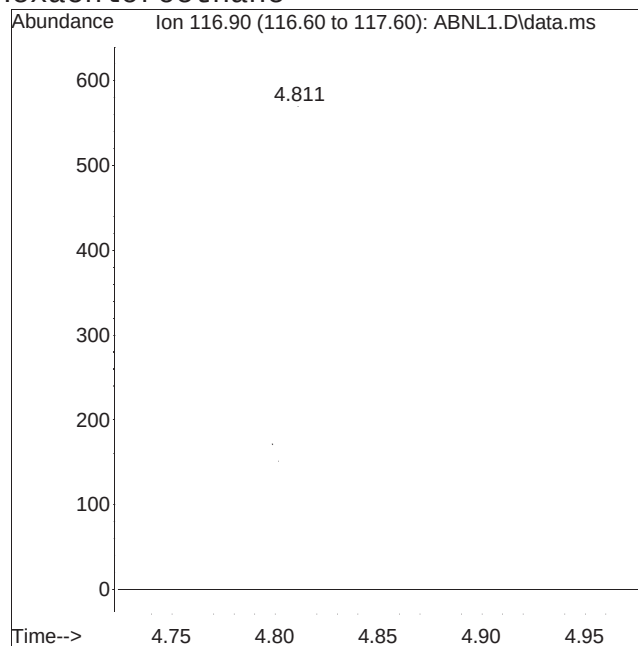
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #16: Hexachloroethane



Original Peak Response = 0



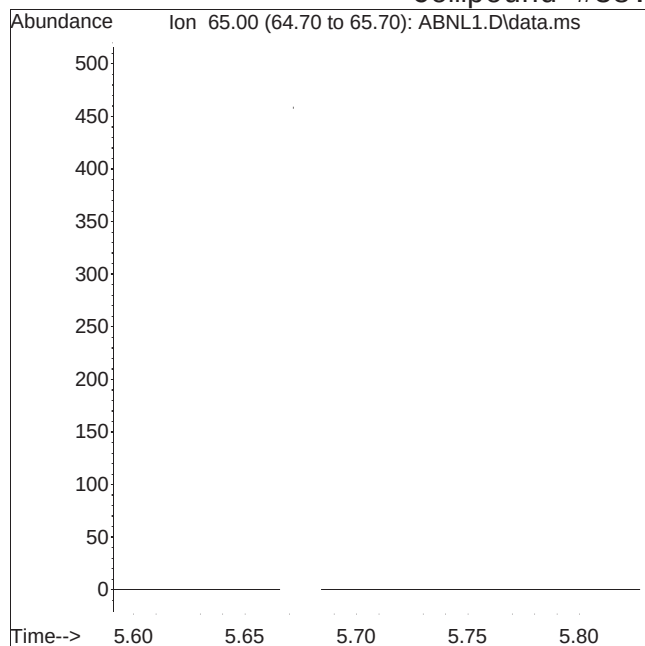
Manual Peak Response = 406 M2

M2 = Peak not found by automatic integration algorithm.

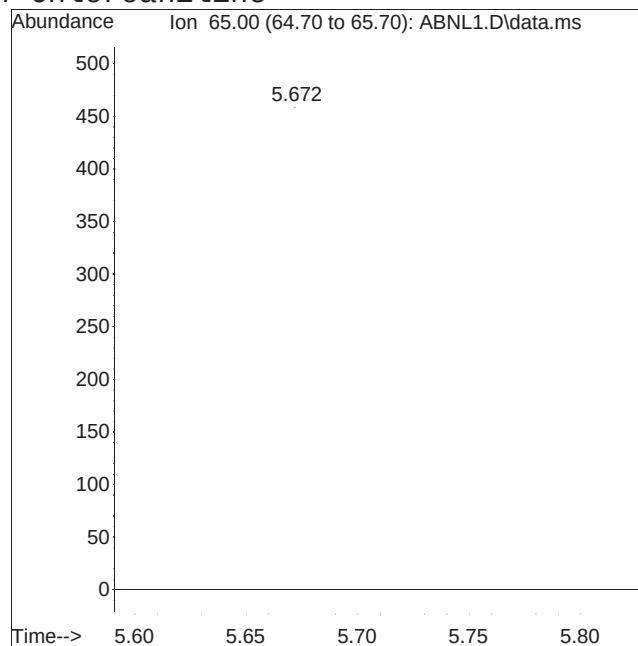
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #38: 4-Chloroaniline



Original Peak Response = 0



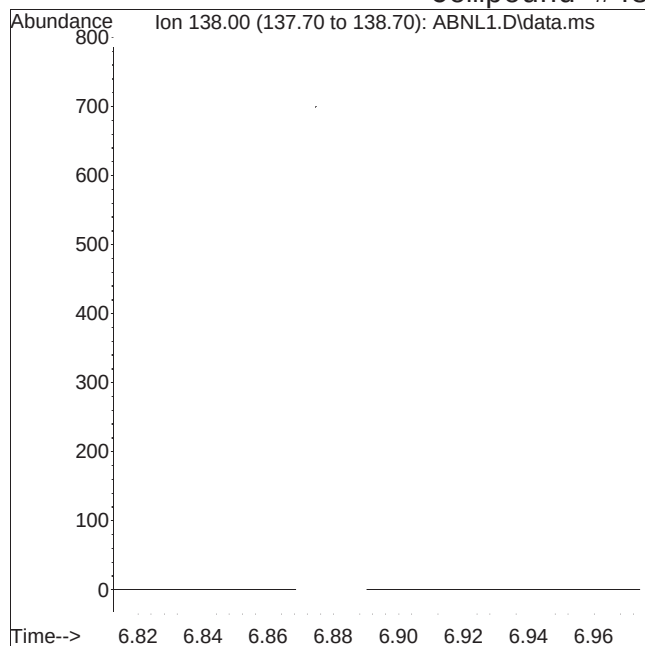
Manual Peak Response = 317 M2

M2 = Peak not found by automatic integration algorithm.

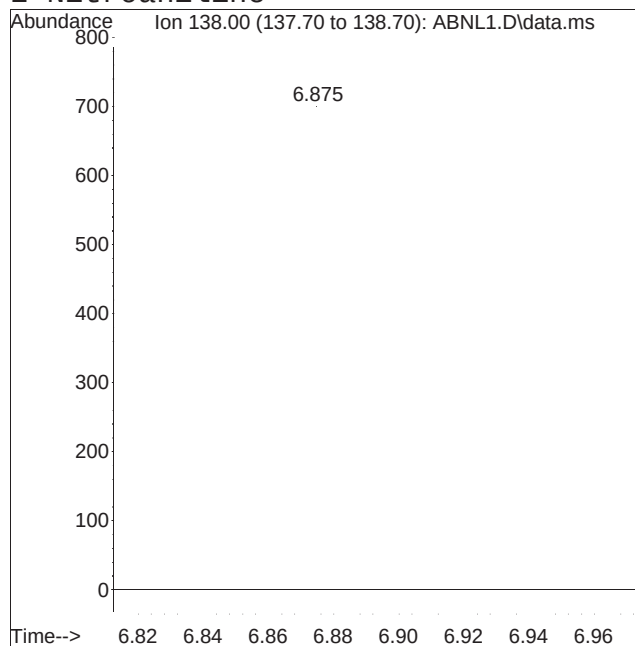
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #48: 2-Nitroaniline



Original Peak Response = 0



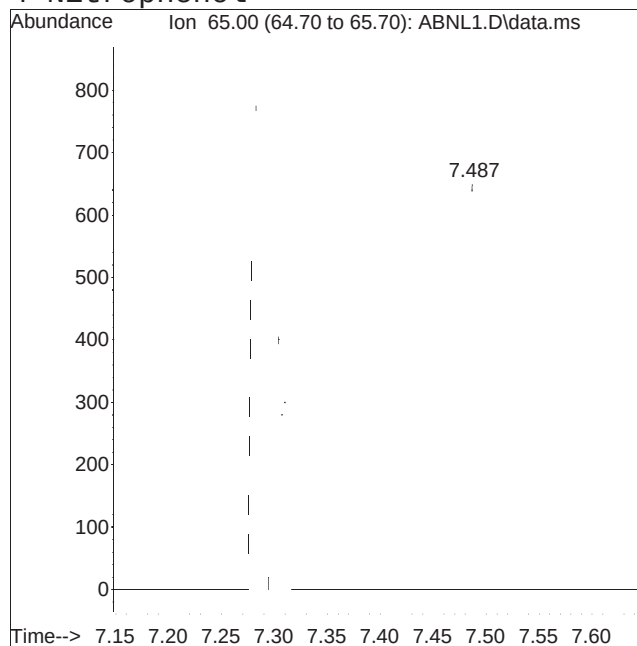
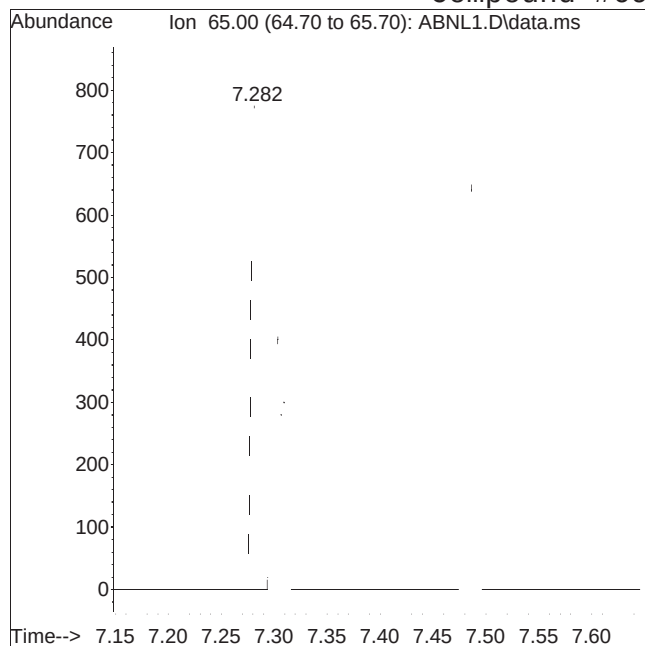
Manual Peak Response = 491 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #69: 4-Nitrophenol



Original Peak Response = 520

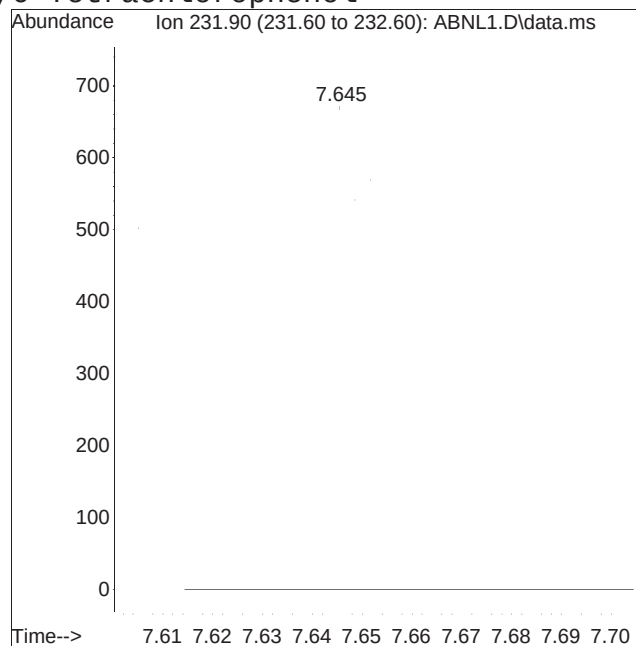
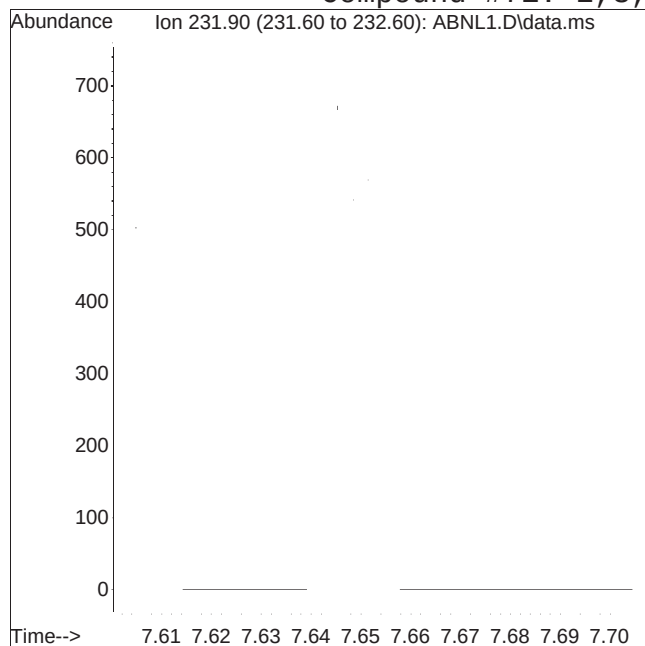
Manual Peak Response = 444 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0

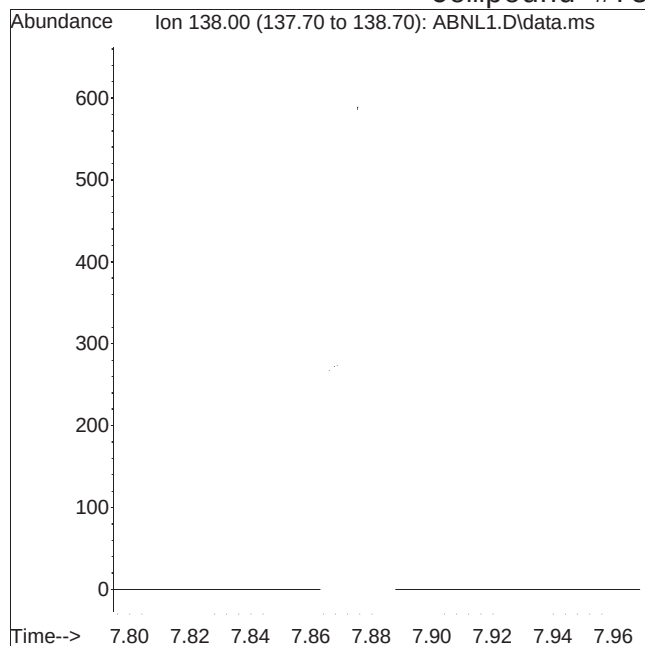
Manual Peak Response = 449 M2

M2 = Peak not found by automatic integration algorithm.

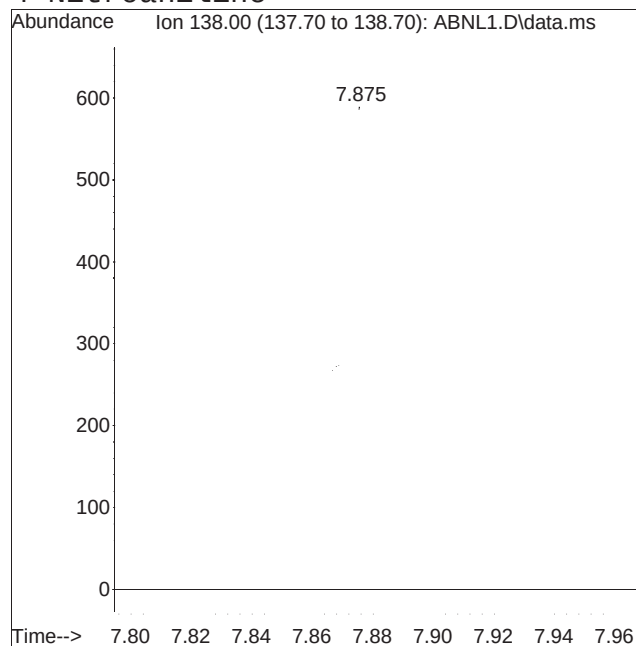
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #75: 4-Nitroaniline



Original Peak Response = 0



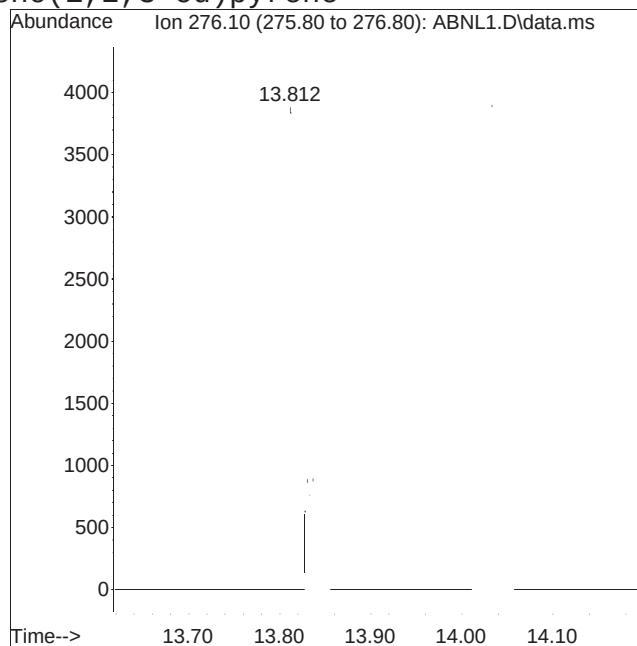
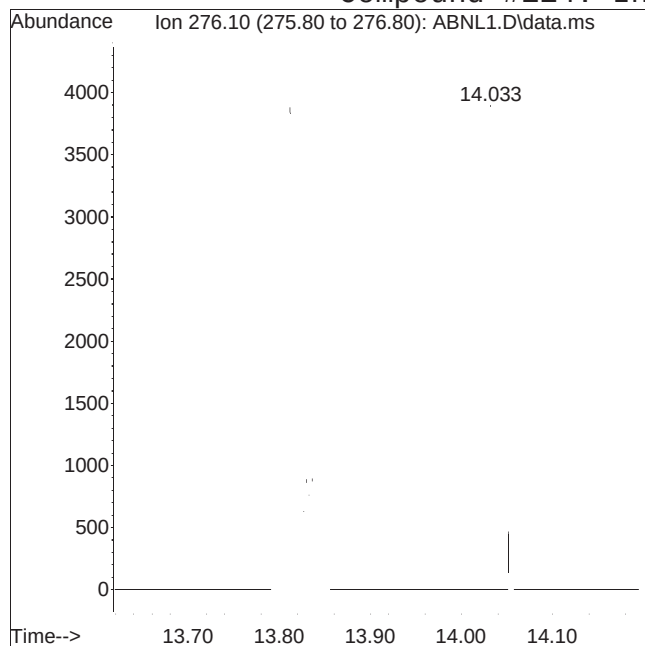
Manual Peak Response = 497 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNL1.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:11 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1189

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 4508

Manual Peak Response = 4090 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2 t	n-Nitrosodimethylamine	0.660	0.636	3.6	93	0.00
3 t	Pyridine	1.131	1.074	5.0	89	0.00
4 S	2-Fluorophenol	1.106	1.040	6.0	89	0.00
5 T	Aniline	1.738	1.656	4.7	89	0.00
6 t	2-Chlorophenol	1.332	1.270	4.7	91	0.00
7 S	Phenol-d6	1.318	1.270	3.6	92	0.00
8 T	Phenol	1.441	1.369	5.0	92	0.00
9 T	Bis(2-chloroethyl)ether	1.143	1.099	3.8	94	0.00
10 T	1,3-Dichlorobenzene	1.598	1.519	4.9	93	0.00
11 T	1,4-Dichlorobenzene	1.634	1.556	4.8	94	0.00
12 T	1,2-Dichlorobenzene	1.572	1.488	5.3	94	0.00
13 t	Benzyl alcohol	0.964	0.933	3.2	94	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.785	4.4	94	0.00
15 T	2-Methylphenol	1.104	1.075	2.6	93	0.00
16 T	Hexachloroethane	0.602	0.590	2.0	94	0.00
17 T	n-Nitrosodi-n-propylamine	0.815	0.793	2.7	92	0.00
18 T	3-Methylphenol/4-Methylphen	1.207	1.161	3.8	94	0.00
19 S	Nitrobenzene-d5	1.226	1.136	7.3	89	0.00
20 T	Nitrobenzene	1.260	1.189	5.6	90	0.00
21 T	Isophorone	2.296	2.176	5.2	91	0.00
22 T	2-Nitrophenol	0.640	0.580	9.4	86	0.00
23 T	2,4-Dimethylphenol	1.271	1.207	5.0	88	0.00
24 T	Bis(2-chloroethoxy)methane	1.546	1.478	4.4	93	0.00
25 T	2,4-Dichlorophenol	1.170	1.148	1.9	92	0.00
26 T	1,2,4-Trichlorobenzene	1.374	1.288	6.3	92	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	96	0.00
36 T	Naphthalene	1.082	1.028	5.0	92	0.00
37 T	Benzoic Acid	* 5.000	3.671	26.6#	78	0.00
38 T	4-Chloroaniline	0.117	0.115	1.7	90	0.00
39 T	Hexachlorobutadiene	0.200	0.197	1.5	94	0.00
40 T	p-Chloro-m-cresol	0.284	0.272	4.2	91	0.00
41 T	2-Methylnaphthalene	0.641	0.632	1.4	96	0.00
42 T	1-Methylnaphthalene	0.227	0.220	3.1	94	0.00
43 T	Hexachlorocyclopentadiene	0.254	0.238	6.3	89	0.00
44 T	2,4,6-Trichlorophenol	0.213	0.213	0.0	90	0.00
45 T	2,4,5-Trichlorophenol	0.239	0.243	-1.7	93	0.00
46 S	2-Fluorobiphenyl	0.821	0.769	6.3	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.727	0.703	3.3	94	0.00
48 T	2-Nitroaniline	0.206	0.204	1.0	87	0.00
49 T	1,4-Dinitrobenzene	0.097	0.090	7.2	86	0.00
50 T	1,3-Dinitrobenzene	0.112	0.107	4.5	86	0.00
51 T	Dimethyl phthalate	0.857	0.814	5.0	90	0.00
52 T	Acenaphthylene	1.170	1.149	1.8	91	0.00
53 T	2,6-Dinitrotoluene	0.167	0.164	1.8	90	0.00
54 T	1,2-Dinitrobenzene	0.073	0.073	0.0	89	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	99	0.00
64 T	3-Nitroaniline	0.342	0.331	3.2	90	0.00
65 T	Acenaphthene	1.136	1.042	8.3	92	0.00
66 T	2,4-Dinitrophenol	0.166	0.140	15.7	88	0.00
67 T	Dibenzofuran	1.844	1.699	7.9	93	0.00
68 T	2,4-Dinitrotoluene	0.385	0.378	1.8	88	0.00
69 T	4-Nitrophenol	0.238	0.227	4.6	90	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.340	0.336	1.2	91	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.330	0.332	-0.6	90	0.00
72 T	Diethyl phthalate	1.516	1.387	8.5	90	0.00
73 T	Fluorene	1.447	1.324	8.5	92	0.00
74 T	4-Chlorophenyl phenyl ether	0.688	0.625	9.2	91	0.00
75 T	4-Nitroaniline	0.337	0.325	3.6	88	0.00
76 T	4,6-Dinitro-o-cresol	0.214	0.189	11.7	86	0.00
77 T	NDPA/DPA	1.209	1.145	5.3	92	0.00
78 T	Azobenzene	1.272	1.215	4.5	92	0.00
79 S	2,4,6-Tribromophenol	0.194	0.179	7.7	89	0.00
80 T	4-Bromophenyl phenyl ether	0.424	0.384	9.4	92	0.00
81 T	Hexachlorobenzene	0.475	0.432	9.1	93	0.00
82 T	Pentachlorophenol	0.280	0.240	14.3	86	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	98	0.00
89 T	Phenanthrene	1.202	1.082	10.0	91	0.00
90 T	Anthracene	1.178	1.093	7.2	91	0.00
91 T	Carbazole	1.081	1.029	4.8	90	0.00
92 T	Di-n-butylphthalate	1.266	1.204	4.9	88	0.00
93 T	Fluoranthene	1.296	1.201	7.3	90	0.00
94 T	Benzidine	0.831	0.756	9.0	88	0.00
95 T	Pyrene	1.383	1.287	6.9	91	0.00
96 S	4-Terphenyl-d14	0.982	0.888	9.6	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.529	0.504	4.7	88	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	97	0.00
105 T	Benzo(a)anthracene	1.349	1.255	7.0	92	0.00
106 T	3,3'-Dichlorobenzidine	0.464	0.437	5.8	86	0.00
107 T	Chrysene	1.336	1.193	10.7	90	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.846	0.837	1.1	90	0.00
109 T	Di-n-octylphthalate	1.419	1.335	5.9	89	0.00
110 T	Benzo(b)fluoranthene	1.278	1.201	6.0	94	0.00
111 T	Benzo(k)fluoranthene	1.303	1.235	5.2	90	0.00
112 T	Benzo(a)pyrene	1.197	1.138	4.9	90	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	97	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.141	1.035	9.3	88	0.00
115 T	Dibenzo(a,h)anthracene	1.181	1.089	7.8	89	0.00
116 T	Benzo(ghi)perylene	1.164	1.053	9.5	89	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.304	152	33441	4.000	ug/ml	0.00
Standard Area 1 = 33991			Recovery =	98.38%		
35) IS1_Naphthalene-d8	5.572	136	130068	4.000	ug/ml	# 0.00
Standard Area 1 = 135116			Recovery =	96.26%		
63) IS1_Acenaphthene-d10	7.307	164	79495	4.000	ug/ml	0.00
Standard Area 1 = 80147			Recovery =	99.19%		
88) IS1_Phenanthrene-d10	8.752	188	151588	4.000	ug/ml	# 0.00
Standard Area 1 = 154754			Recovery =	97.95%		
104) IS1_Chrysene-d12	11.391	240	151868	4.000	ug/ml	# 0.00
Standard Area 1 = 156844			Recovery =	96.83%		
113) IS1_Perylene-d12	12.855	264	160353	4.000	ug/ml	0.00
Standard Area 1 = 164937			Recovery =	97.22%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.974	112	43462	4.701	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	235.05%#		
7) Phenol-d6	3.990	99	53091	4.818	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	240.90%#		
19) Nitrobenzene-d5	4.864	82	47494	4.632	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	463.20%#		
46) 2-Fluorobiphenyl	6.673	172	125056	4.686	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	468.60%#		
79) 2,4,6-Tribromophenol	8.081	330	17778	4.613	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	230.65%#		
96) 4-Terphenyl-d14	10.359	244	168255	4.520	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	452.00%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.550	74	26579	4.818	ug/ml#	75
3) Pyridine	1.582	79	44894M1	4.748	ug/ml	
5) Aniline	3.975	93	69209	4.762	ug/ml	97
6) 2-Chlorophenol	4.090	128	53094	4.769	ug/ml#	90
8) Phenol	4.006	94	57226	4.750	ug/ml	95
9) Bis(2-chloroethyl)ether	4.071	93	45922	4.806	ug/ml	94
10) 1,3-Dichlorobenzene	4.242	146	63493	4.752	ug/ml	96
11) 1,4-Dichlorobenzene	4.320	146	65044	4.761	ug/ml	96
12) 1,2-Dichlorobenzene	4.472	146	62187	4.733	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	4.472	79	38998	4.838	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.631	45	74631	4.782	ug/ml#	66
15) 2-Methylphenol	4.615	108	44932	4.867	ug/ml	97
16) Hexachloroethane	4.808	117	24647	4.899	ug/ml#	73
17) n-Nitrosodi-n-propylamine	4.752	70	33140	4.867	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.777	108	48542	4.811	ug/ml	98
20) Nitrobenzene	4.882	77	49719	4.719	ug/ml	95
21) Isophorone	5.137	82	90972	4.740	ug/ml	98
22) 2-Nitrophenol	5.209	139	24246	4.531	ug/ml#	88
23) 2,4-Dimethylphenol	5.302	107	50466	4.748	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.389	93	61789	4.779	ug/ml	99
25) 2,4-Dichlorophenol	5.454	162	47994	4.908	ug/ml#	95
26) 1,2,4-Trichlorobenzene	5.532	180	53860	4.688	ug/ml	97
36) Naphthalene	5.594	128	167086	4.749	ug/ml	100
37) Benzoic Acid	5.386	105	25898	3.671	ug/ml	92
38) 4-Chloroaniline	5.675	65	18628	4.895	ug/ml#	62
39) Hexachlorobutadiene	5.756	225	31995	4.910	ug/ml	99
40) p-Chloro-m-cresol	6.191	107	44260	4.795	ug/ml	94
41) 2-Methylnaphthalene	6.287	142	102775	4.933	ug/ml	96
42) 1-Methylnaphthalene	6.380	115	35694	4.832	ug/ml	91
43) Hexachlorocyclopentadiene	6.464	237	38722	4.687	ug/ml	100
44) 2,4,6-Trichlorophenol	6.586	196	34572	4.984	ug/ml	97
45) 2,4,5-Trichlorophenol	6.614	196	39530	5.077	ug/ml	99
47) 2-Chloronaphthalene	6.760	162	114228	4.833	ug/ml	96
48) 2-Nitroaniline	6.878	138	33114	4.941	ug/ml#	79
49) 1,4-Dinitrobenzene	7.018	168	14690	4.654	ug/ml	79
50) 1,3-Dinitrobenzene	7.092	168	17461	4.805	ug/ml#	1
51) Dimethyl phthalate	7.092	163	132414	4.752	ug/ml#	98
52) Acenaphthylene	7.161	152	186814	4.910	ug/ml	99
53) 2,6-Dinitrotoluene	7.130	165	26686	4.911	ug/ml#	78
54) 1,2-Dinitrobenzene	7.170	168	11853	5.014	ug/ml#	1
64) 3-Nitroaniline	7.285	138	32931	4.850	ug/ml	87
65) Acenaphthene	7.338	154	103552	4.588	ug/ml	90
66) 2,4-Dinitrophenol	7.387	184	13885	4.219	ug/ml#	86
67) Dibenzofuran	7.509	168	168817	4.606	ug/ml	95
68) 2,4-Dinitrotoluene	7.521	165	37575	4.916	ug/ml	91
69) 4-Nitrophenol	7.487	65	22550	4.765	ug/ml#	79
70) 2,3,5,6-Tetrachlorophenol	7.605	232	33383	4.945	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ABNICV.D
 Acq On : 27 Aug 2025 11:33 pm
 Operator : SV106:smz
 Sample : CQICV1,32,,ABNICV Lot# 11915
 Misc : WG2108428,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 06:21:01 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 06:20:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	7.645	232	32978	5.029	ug/ml	99
72)	Diethyl phthalate	7.795	149	137837	4.574	ug/ml	99
73)	Fluorene	7.844	166	131518	4.573	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.872	204	62071	4.537	ug/ml	91
75)	4-Nitroaniline	7.875	138	32255	4.816	ug/ml#	80
76)	4,6-Dinitro-o-cresol	7.916	198	18815	4.427	ug/ml#	67
77)	NDPA/DPA	7.990	169	113782	4.734	ug/ml	94
78)	Azobenzene	8.022	77	120724	4.776	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.345	248	38130	4.522	ug/ml#	84
81)	Hexachlorobenzene	8.388	284	42967	4.551	ug/ml#	86
82)	Pentachlorophenol	8.587	266	23880	4.296	ug/ml	99
89)	Phenanthrene	8.777	178	205009	4.500	ug/ml	99
90)	Anthracene	8.827	178	207103	4.640	ug/ml	99
91)	Carbazole	9.001	167	195054	4.760	ug/ml	98
92)	Di-n-butylphthalate	9.414	149	228103	4.754	ug/ml	98
93)	Fluoranthene	9.942	202	227666	4.635	ug/ml#	94
94)	Benzidine	10.104	184	143338	4.549	ug/ml#	95
95)	Pyrene	10.157	202	243958	4.656	ug/ml	99
97)	Butyl benzyl phthalate	10.890	149	95520	4.765	ug/ml	87
105)	Benzo(a)anthracene	11.381	228	238200	4.650	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.391	252	83013	4.709	ug/ml	98
107)	Chrysene	11.419	228	226525	4.465	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.534	149	158955	4.946	ug/ml#	91
109)	Di-n-octylphthalate	12.211	149	253404	4.704	ug/ml#	73
110)	Benzo(b)fluoranthene	12.485	252	227992	4.700	ug/ml	97
111)	Benzo(k)fluoranthene	12.513	252	234496M3	4.740	ug/ml	
112)	Benzo(a)pyrene	12.796	252	215944	4.751	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.815	276	207533	4.539	ug/mL	95
115)	Dibenzo(a,h)anthracene	13.843	278	218203	4.609	ug/ml#	94
116)	Benzo(ghi)perylene	14.039	276	211143	4.527	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

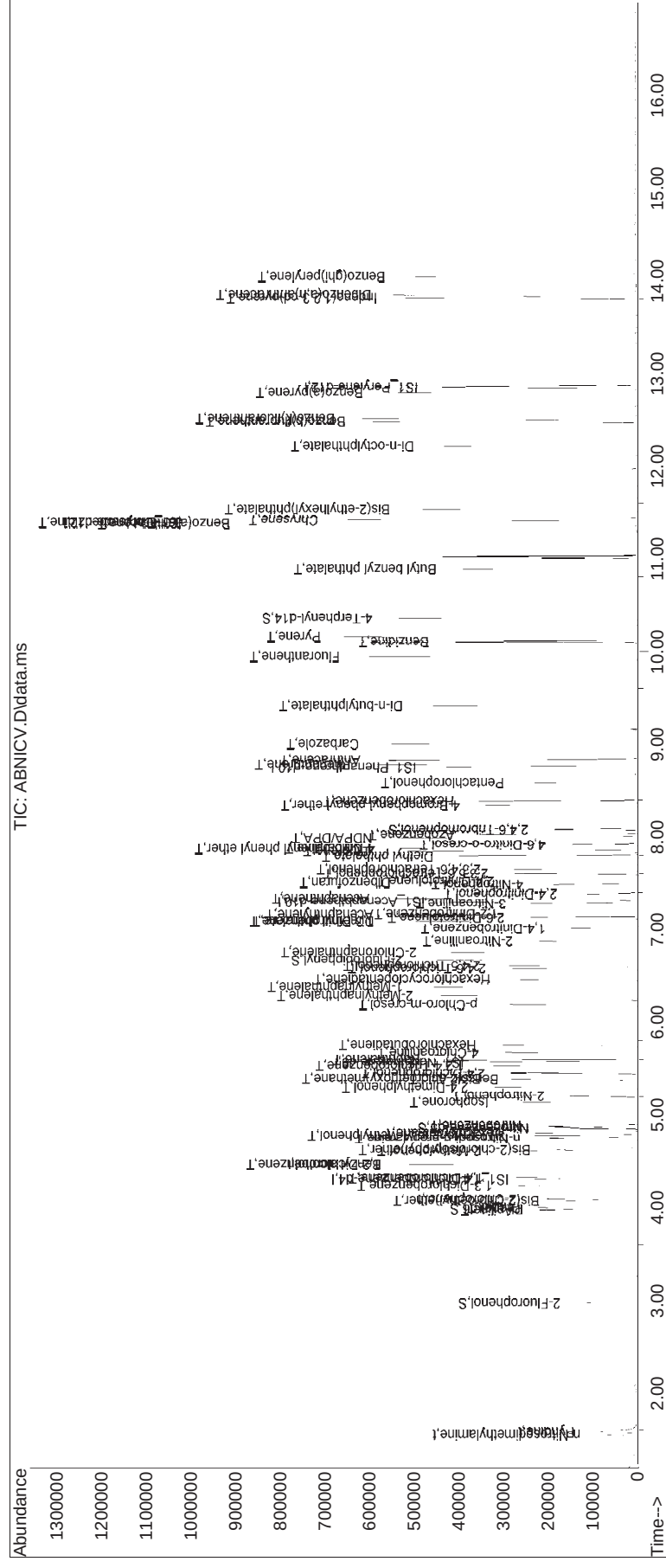
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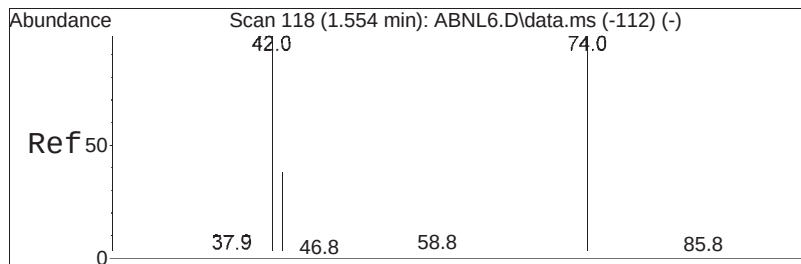
Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ABNICY.D
Acq On        : 27 Aug 2025  11:33 pm
Operator      : SV106:smz
Sample        : CQICV1,32,,ABNICY Lot# 11
Misc          : WG2108428,,
ALS Vial      : 10 Sample Multiplier: 1

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Quant Time: Aug 28 06:21:01 2025
Quant Method : I:\8270\SV106\25082ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 06:20:54 2025
Response via : Initial Calibration

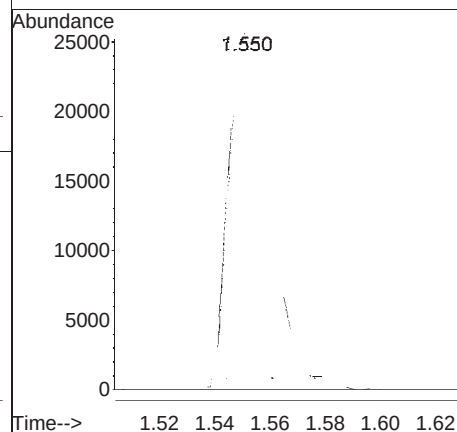
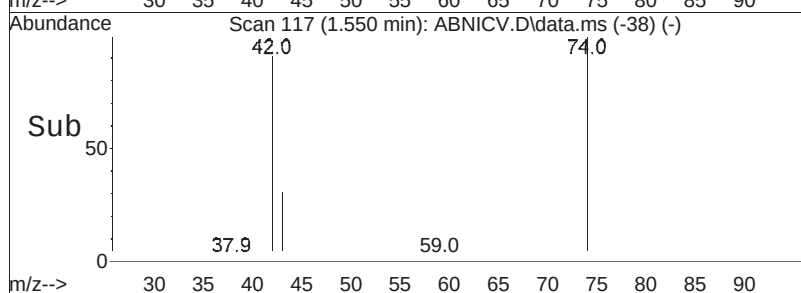
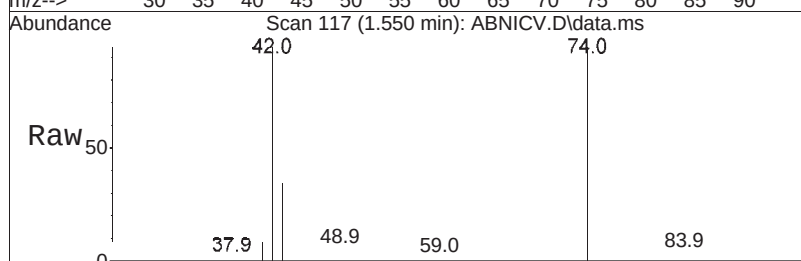
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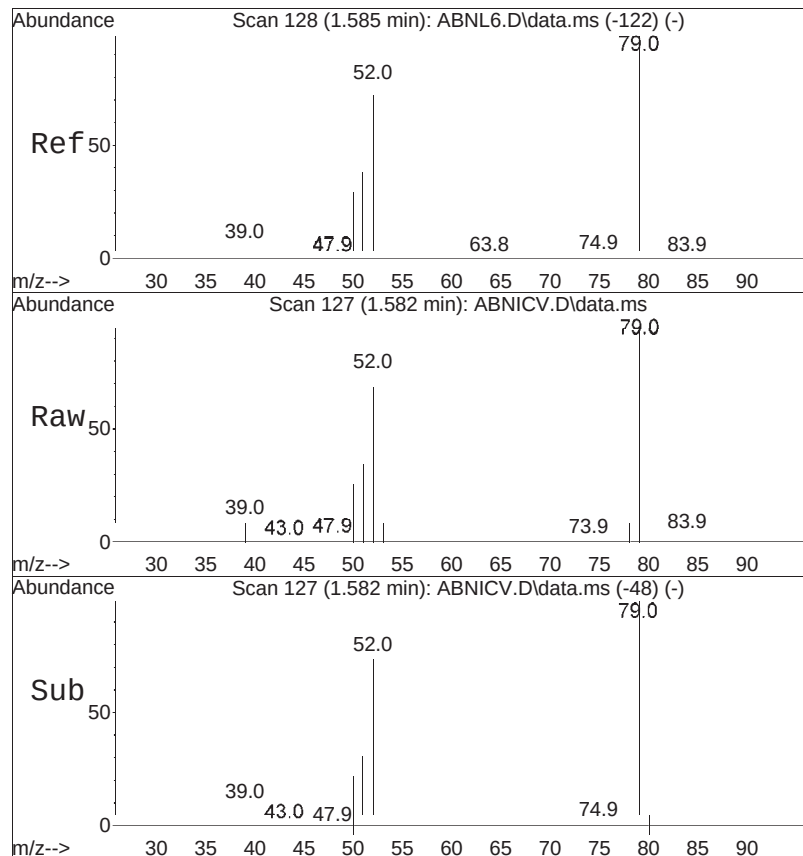




#2
 n-Nitrosodimethylamine
 Concen: 4.82 ug/ml
 RT: 1.550 min Scan# 117
 Delta R.T. -0.004 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

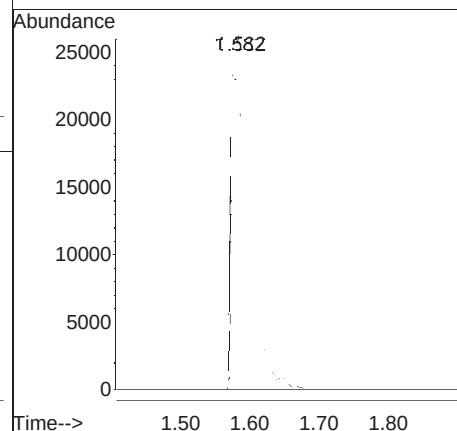
Tgt Ion:	74	Resp:	26579
Ion Ratio	Lower	Upper	
74	100		
42	94.9	100.0	150.0#
44	7.9	6.7	10.1

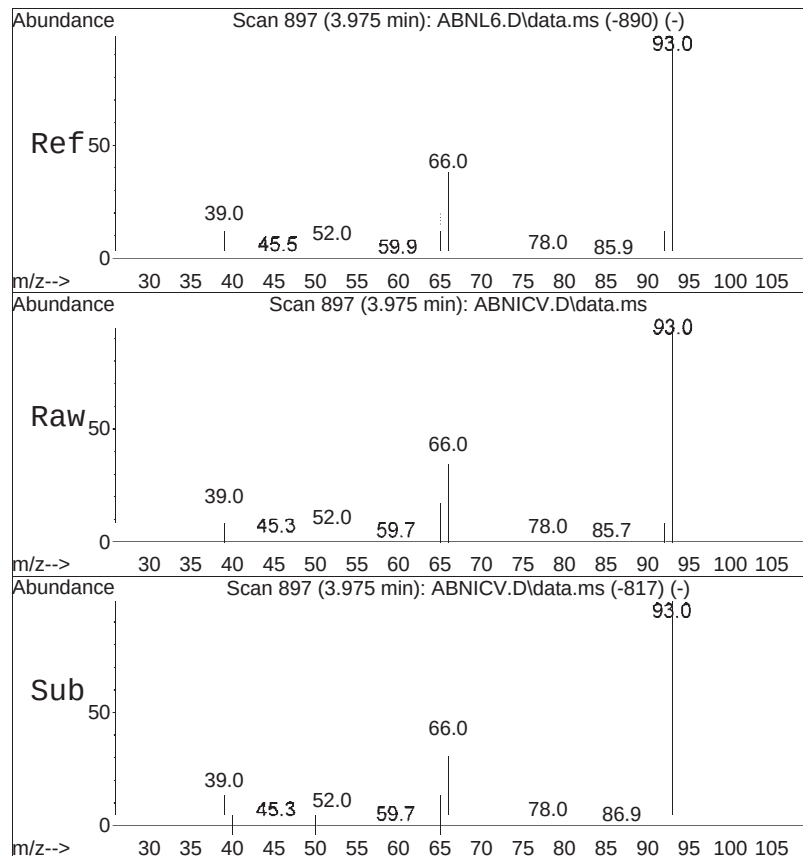




#3
 Pyridine
 Concen: 4.75 ug/ml M1
 RT: 1.582 min Scan# 127
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

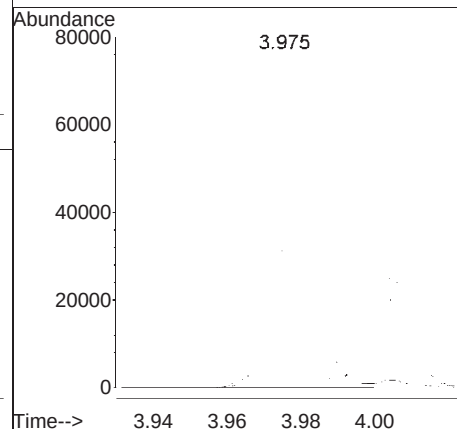
Tgt Ion	Ratio	Lower	Upper
79	100		
52	78.5	93.1	139.7#

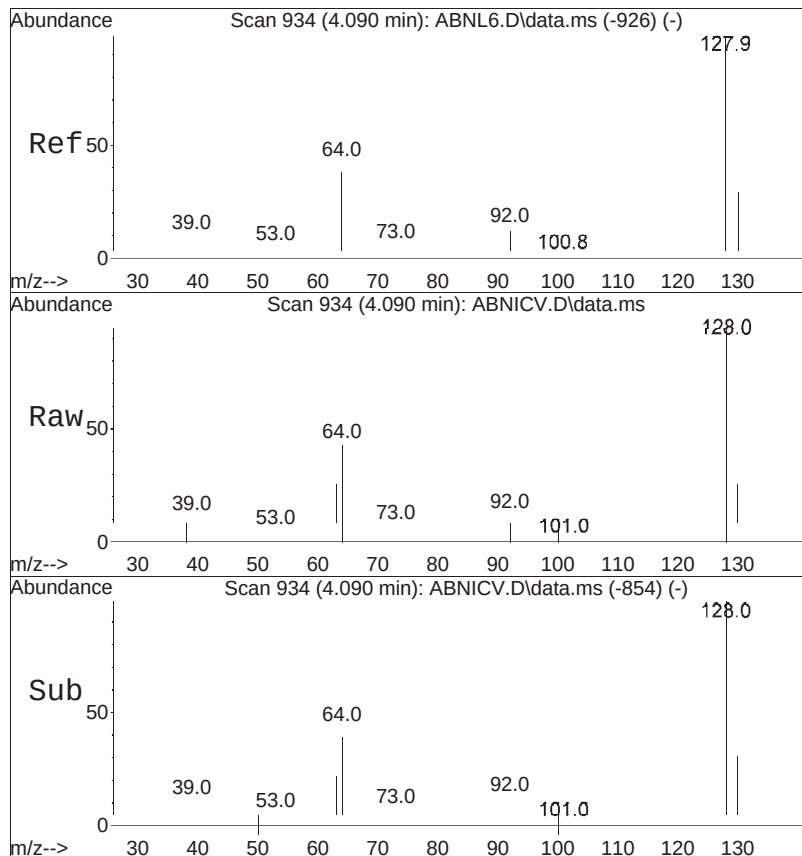




#5
 Aniline
 Concen: 4.76 ug/ml
 RT: 3.975 min Scan# 897
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

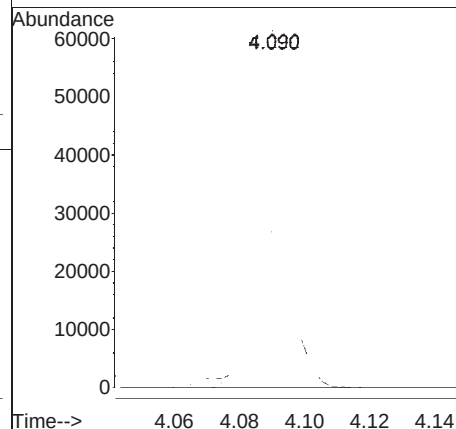
Tgt Ion:	93	Resp:	69209
Ion Ratio	Lower	Upper	
93	100		
66	39.3	32.6	49.0
65	20.3	17.6	26.4

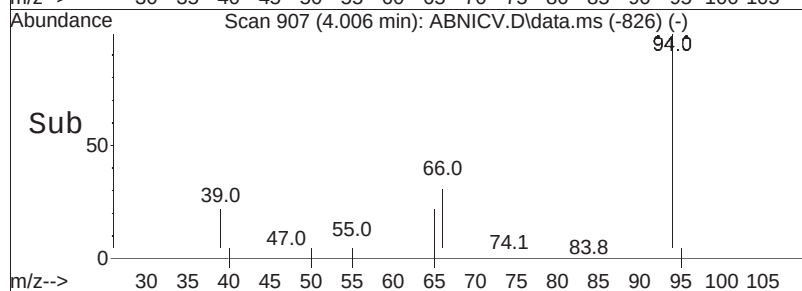
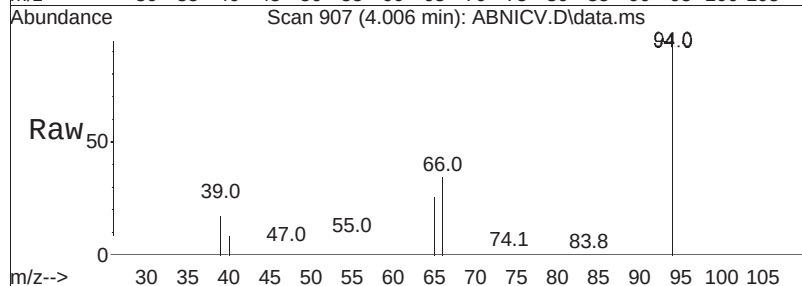
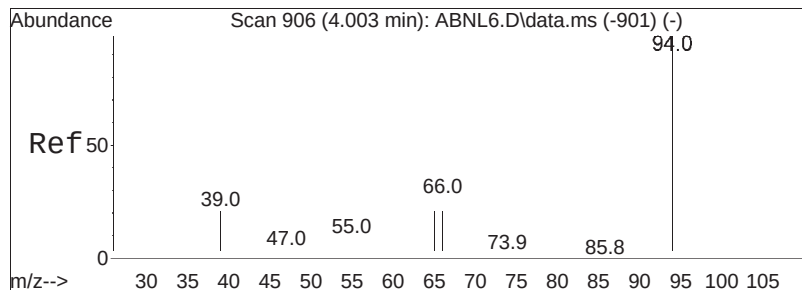




#6
 2-Chlorophenol
 Concen: 4.77 ug/ml
 RT: 4.090 min Scan# 934
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

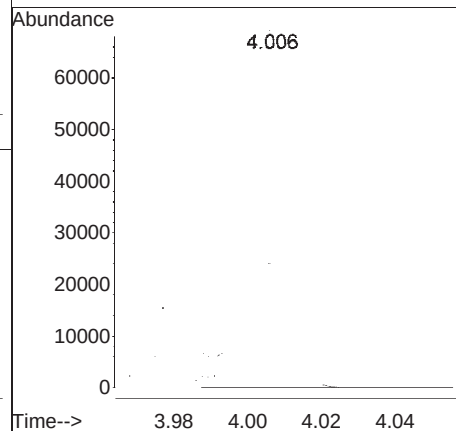
Tgt Ion	Ratio	Lower	Upper
128	100		
64	44.7	45.1	67.7#
130	32.6	26.2	39.4

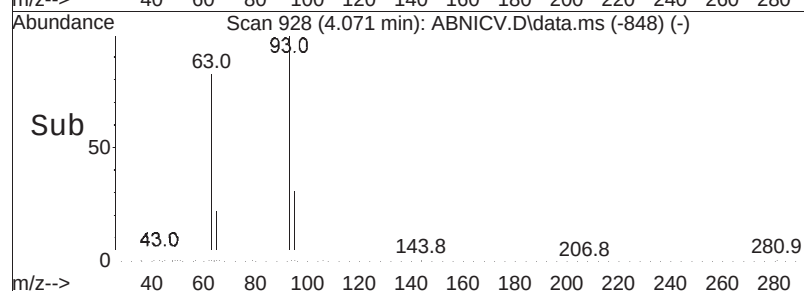
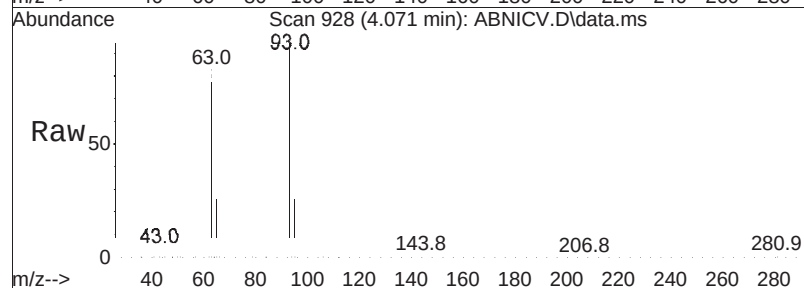
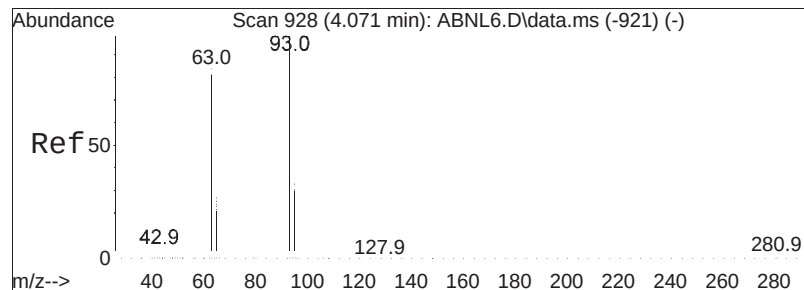




#8
 Phenol
 Concen: 4.75 ug/ml
 RT: 4.006 min Scan# 907
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

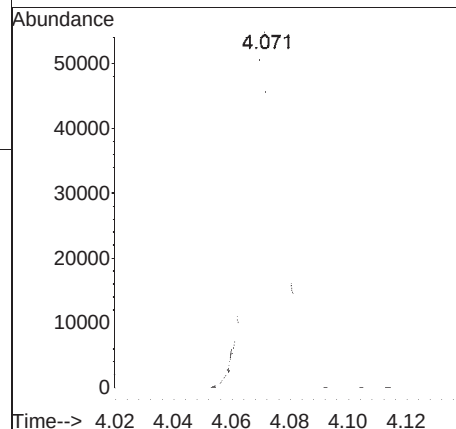
Tgt Ion:	94	Resp:	57226
Ion Ratio	Lower	Upper	
94	100		
65	29.3	26.0	39.0
66	39.4	33.8	50.8

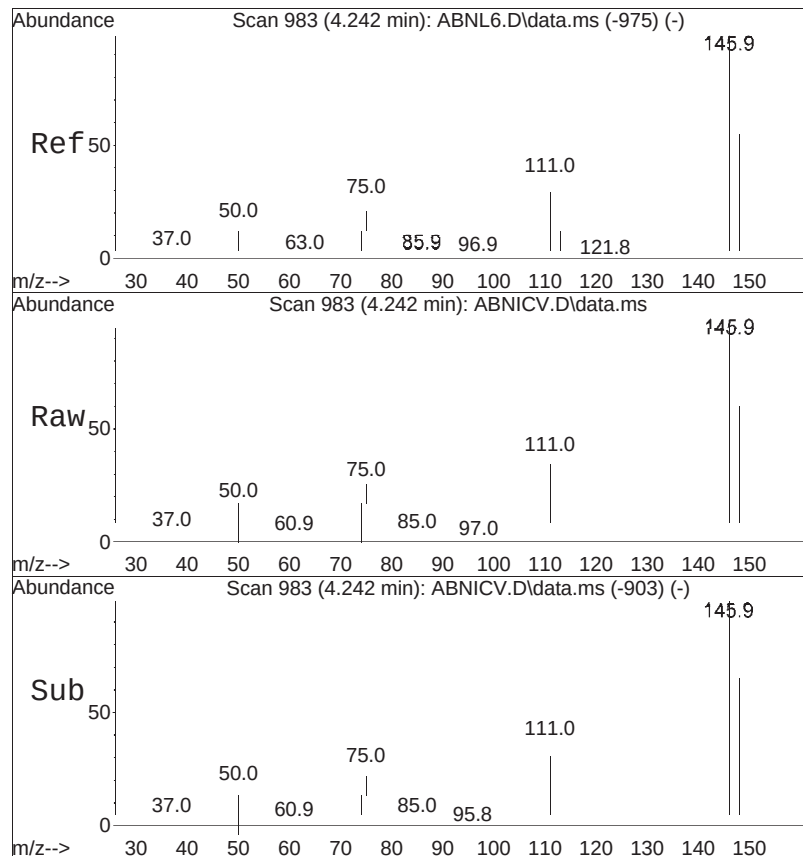




#9
 Bis(2-chloroethyl)ether
 Concen: 4.81 ug/ml
 RT: 4.071 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

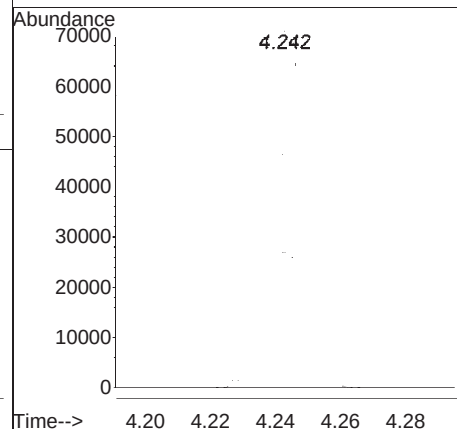
Tgt Ion: 93	Resp: 45922
Ion Ratio	Lower Upper
93 100	
63 84.9	74.6 111.8
95 32.6	25.9 38.9

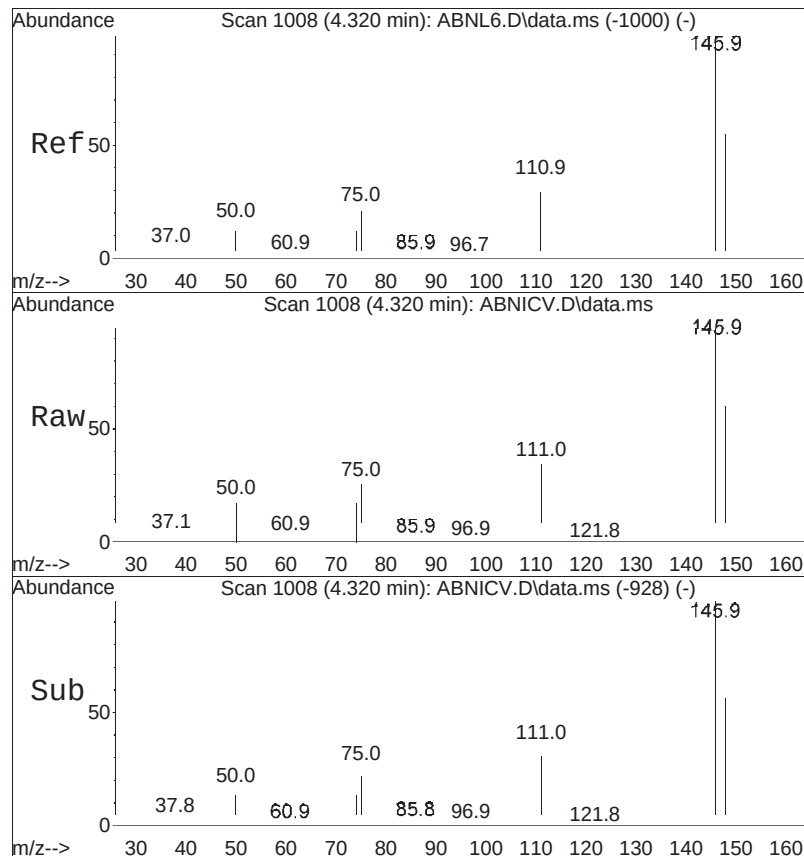




#10
 1,3-Dichlorobenzene
 Concen: 4.75 ug/ml
 RT: 4.242 min Scan# 983
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

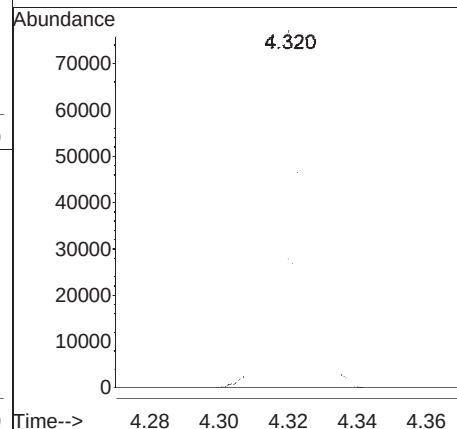
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	34.3	51.5
148	64.7	50.8	76.2

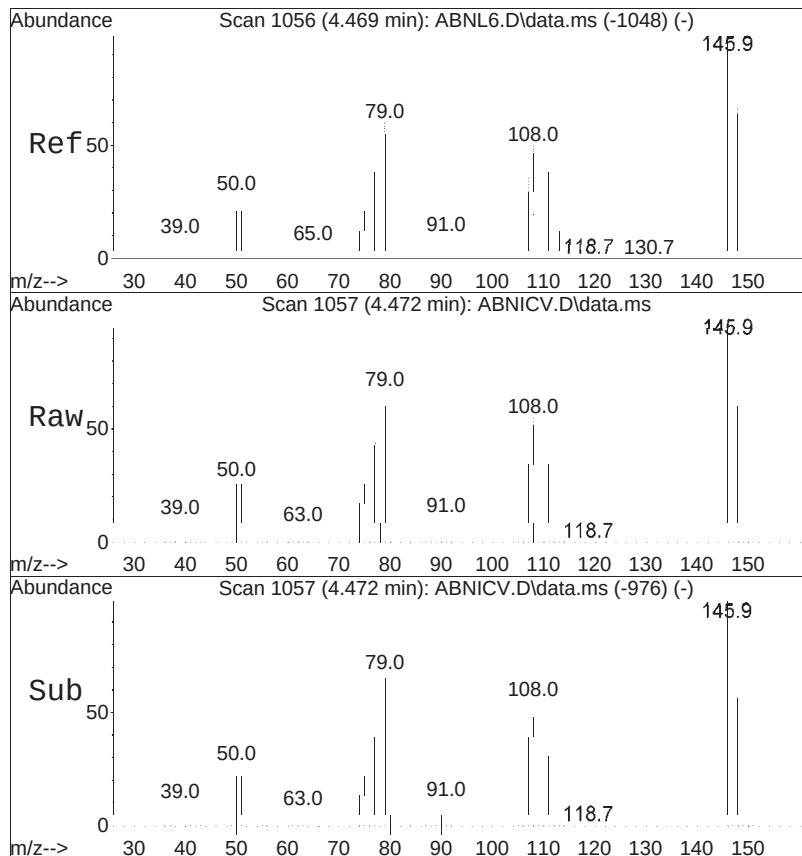




#11
 1,4-Dichlorobenzene
 Concen: 4.76 ug/ml
 RT: 4.320 min Scan# 1008
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

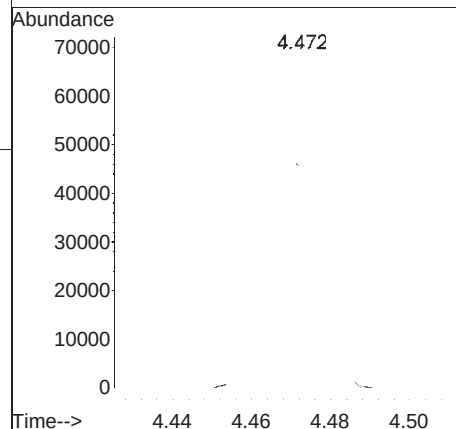
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.7	76.1
111	37.5	33.4	50.0

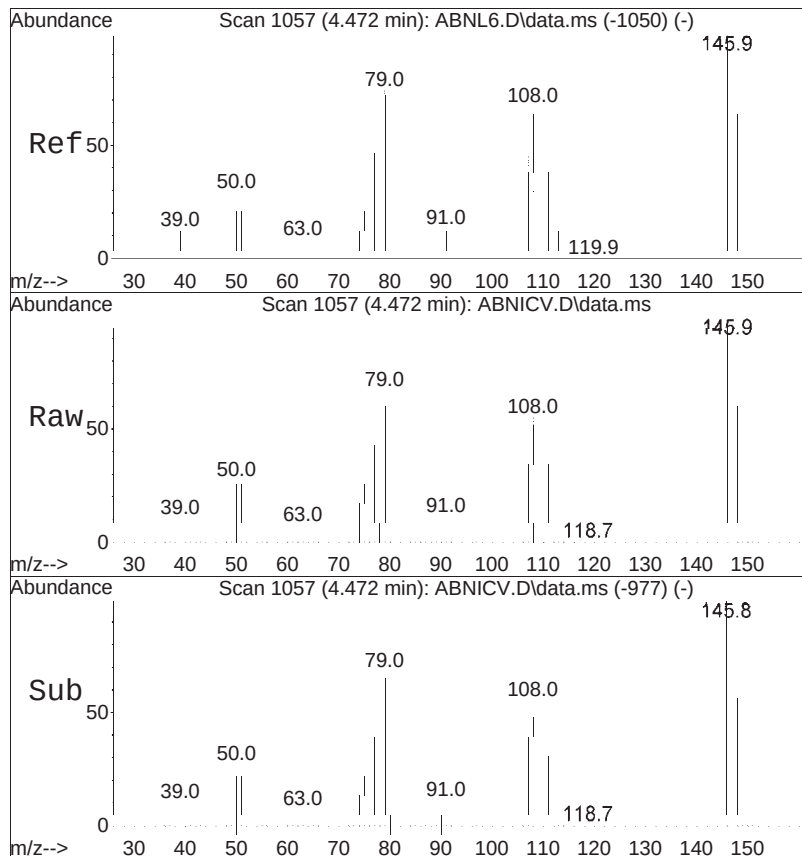




#12
 1,2-Dichlorobenzene
 Concen: 4.73 ug/ml
 RT: 4.472 min Scan# 1057
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

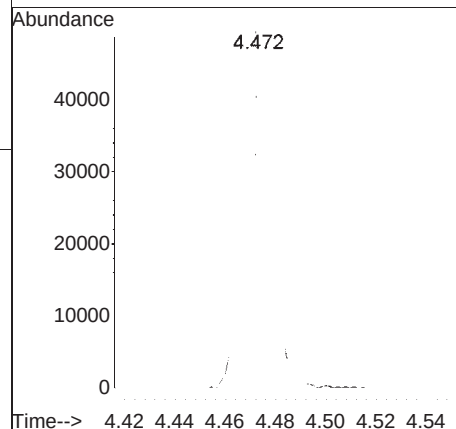
Tgt Ion:	146	Resp:	62187
Ion Ratio	Lower	Upper	
146	100		
111	37.4	34.6	52.0
148	63.6	50.2	75.4

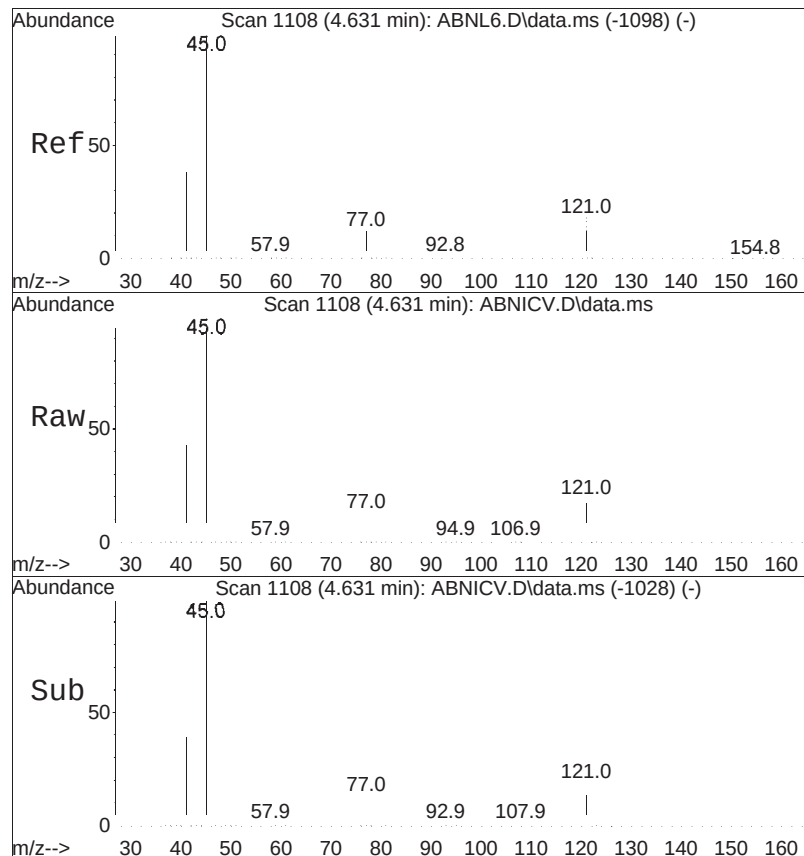




#13
 Benzyl alcohol
 Concen: 4.84 ug/ml
 RT: 4.472 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

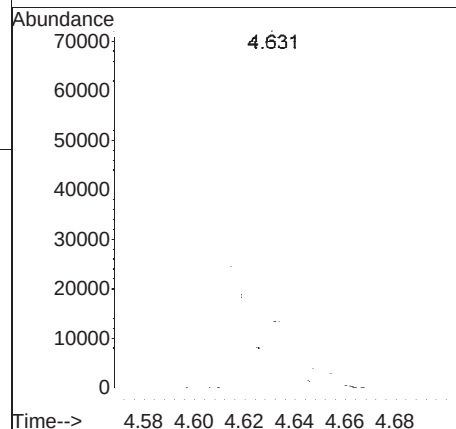
Tgt Ion:	79	Resp:	38998
Ion Ratio	Lower	Upper	
79	100		
77	65.9	54.9	82.3
108	82.4	63.1	94.7

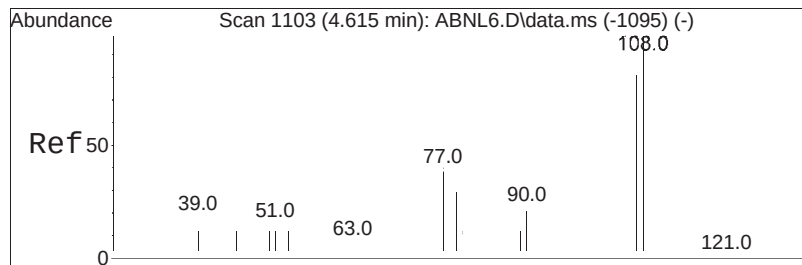




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.78 ug/ml
 RT: 4.631 min Scan# 1108
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

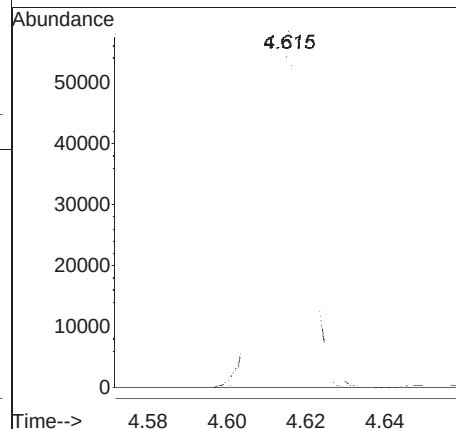
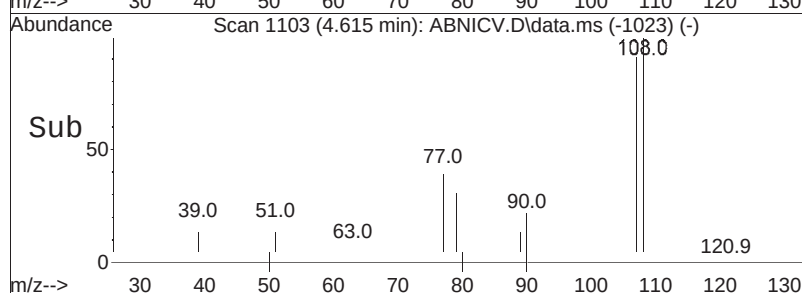
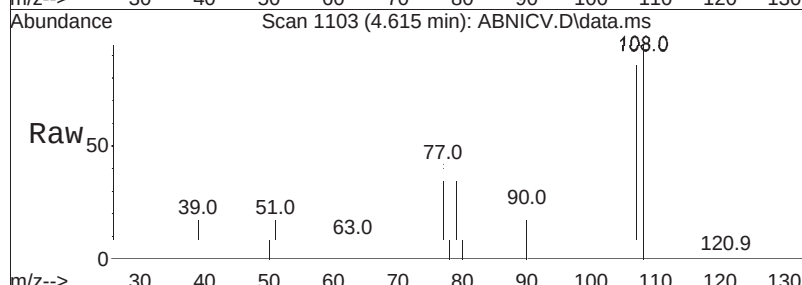
Tgt Ion	Ratio	Resp Lower	Resp Upper
45	100		
121	18.9	9.8	14.6#
77	29.0	6.1	9.1#

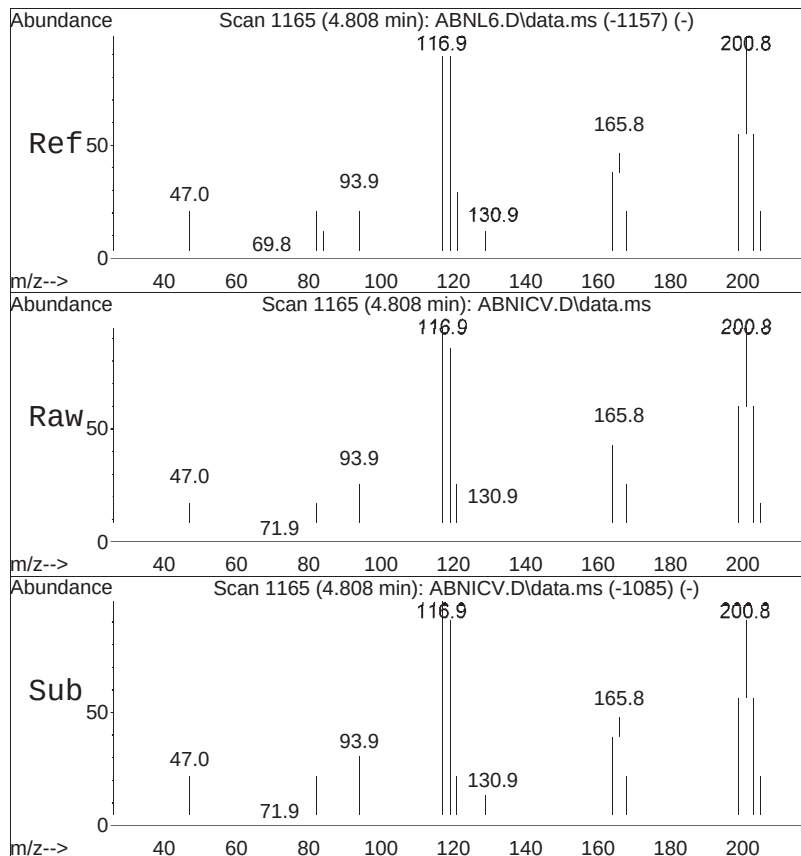




#15
 2-Methylphenol
 Concen: 4.87 ug/ml
 RT: 4.615 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

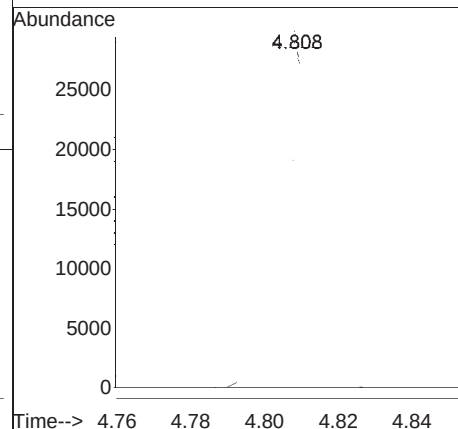
Tgt Ion	Ratio	Lower	Upper
108	100		
107	92.1	70.7	106.1
90	22.9	18.7	28.1

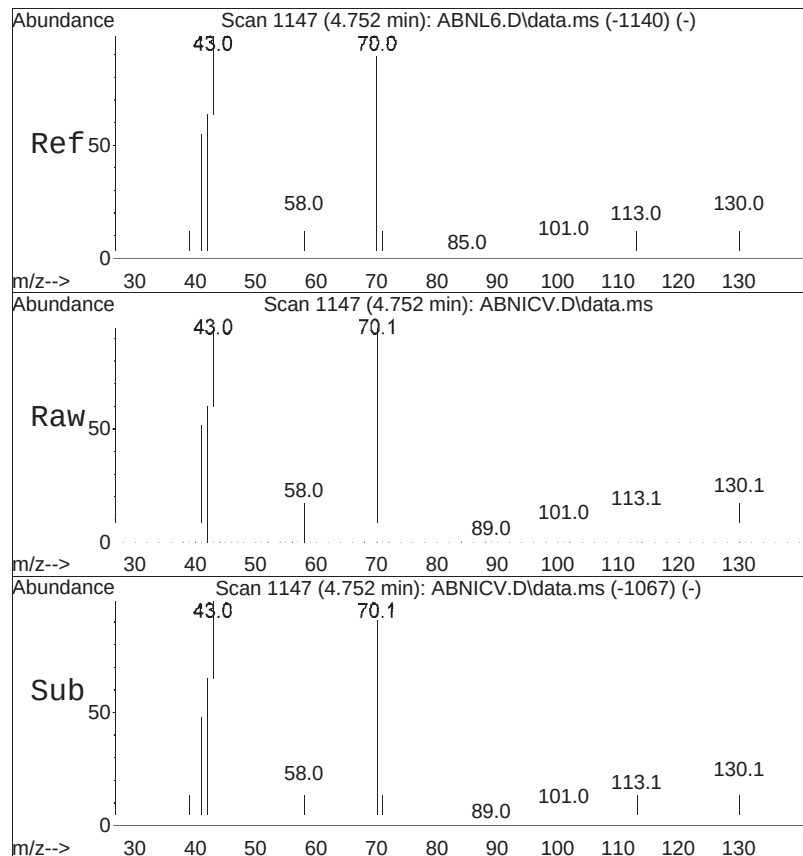




#16
 Hexachloroethane
 Concen: 4.90 ug/ml
 RT: 4.808 min Scan# 1165
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

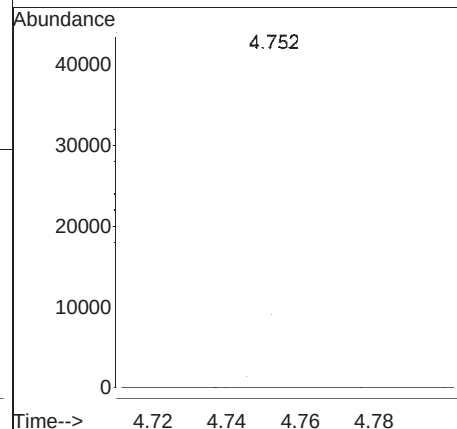
Tgt Ion:	117	Resp:	24647
Ion Ratio	Lower	Upper	
117	100		
201	97.9	58.6	87.8#
199	60.8	36.9	55.3#

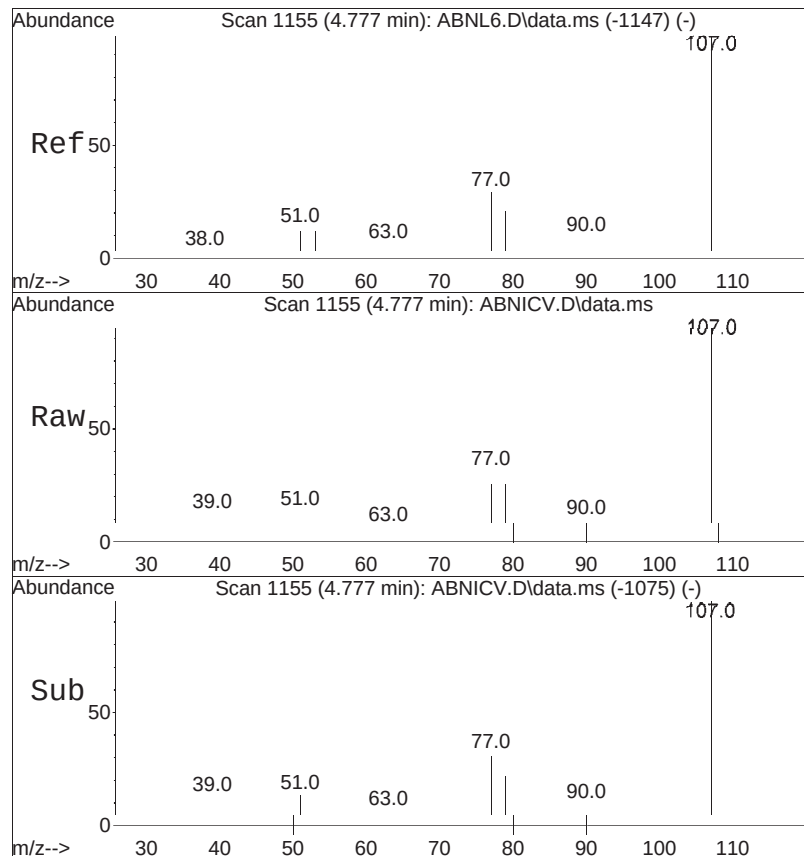




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.87 ug/ml
 RT: 4.752 min Scan# 1147
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

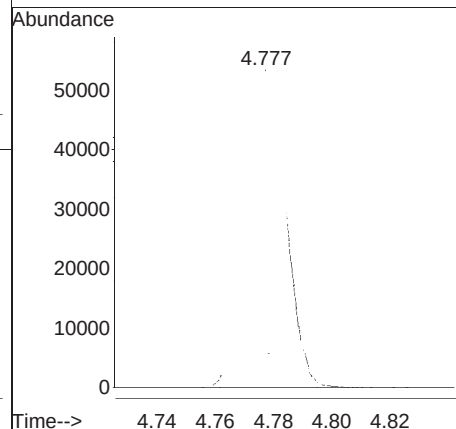
Tgt Ion:	70	Resp:	33140
Ion Ratio	Lower	Upper	
70	100		
130	20.2	18.2	27.4
101	9.1	7.8	11.8

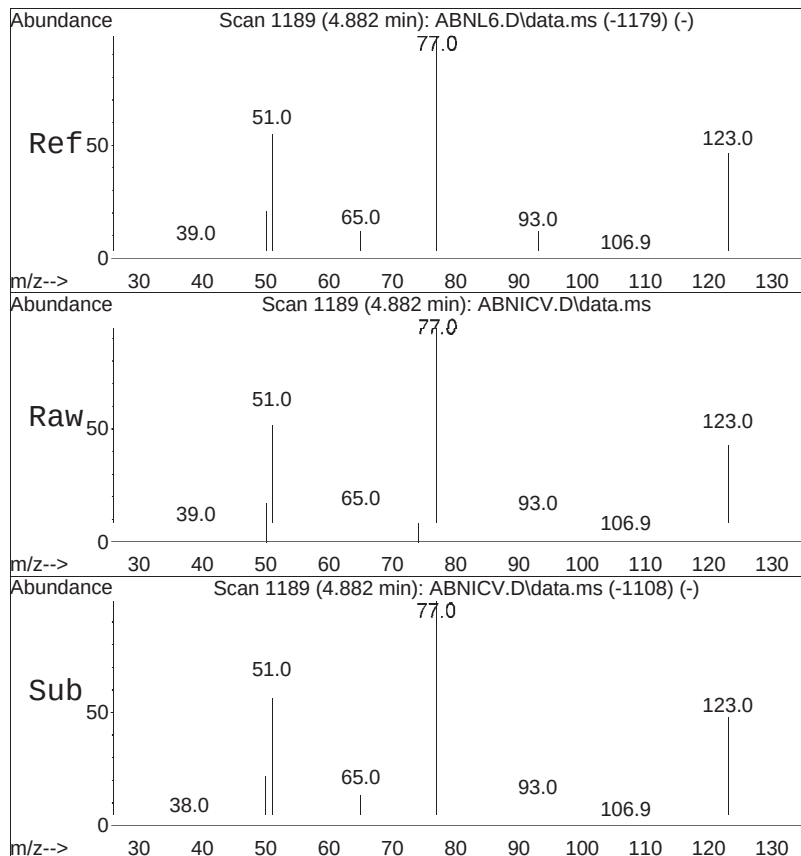




#18
 3-Methylphenol/4-Methylphenol
 Concen: 4.81 ug/ml
 RT: 4.777 min Scan# 1155
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

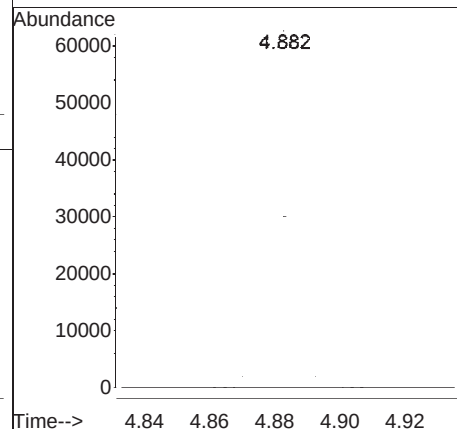
Tgt Ion	Ratio	Resp	Lower	Upper
108	100	48542		
107	112.9		88.6	132.8
90	10.9		8.8	13.2

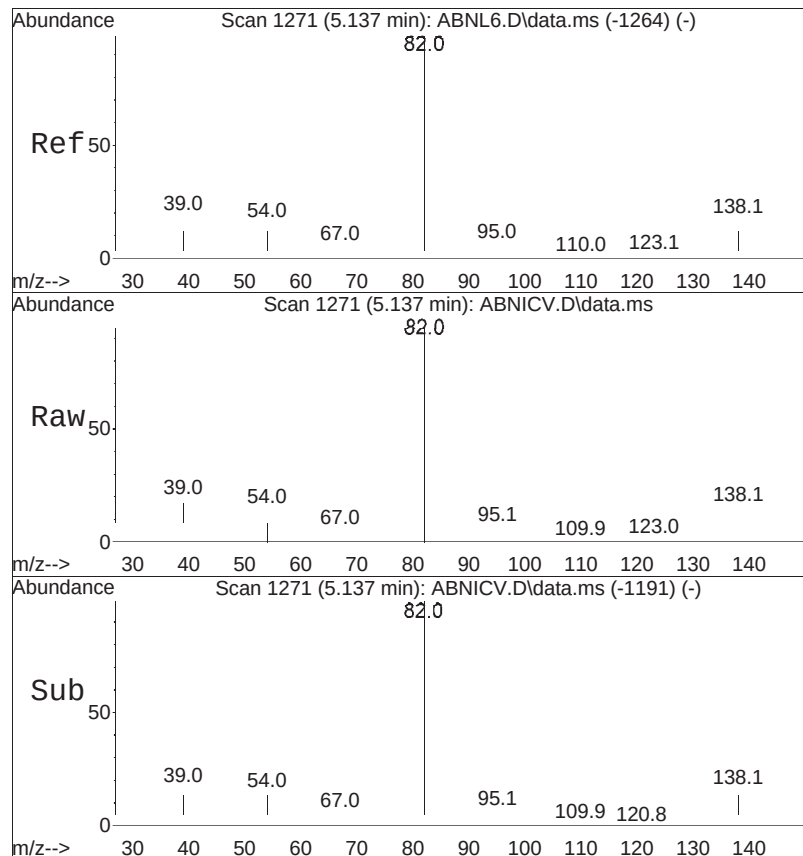




#20
 Nitrobenzene
 Concen: 4.72 ug/ml
 RT: 4.882 min Scan# 1189
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

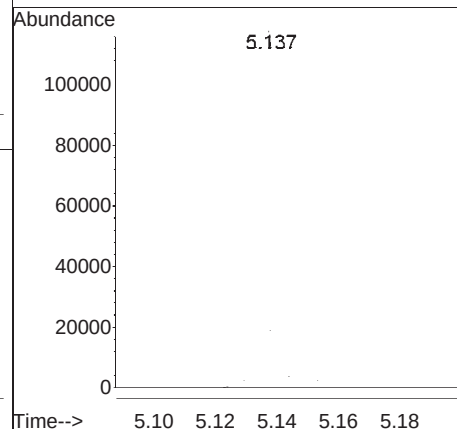
Tgt Ion	Ratio	Resp	Lower	Upper
77	100	49719		
123	49.1		36.3	54.5
65	13.5		11.6	17.4

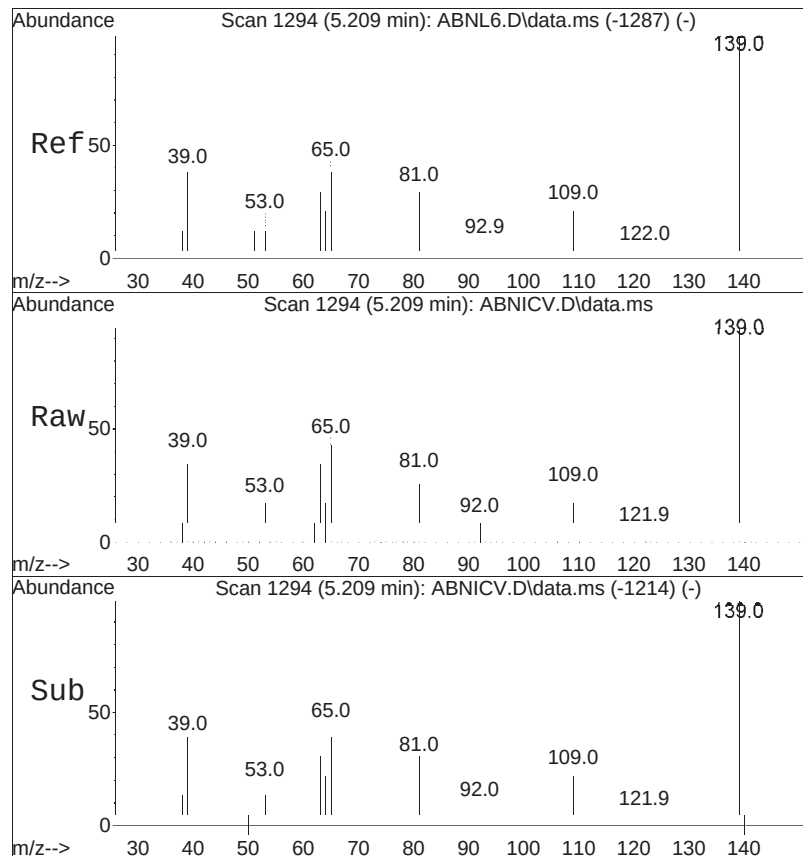




#21
 Isophorone
 Concen: 4.74 ug/ml
 RT: 5.137 min Scan# 1271
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

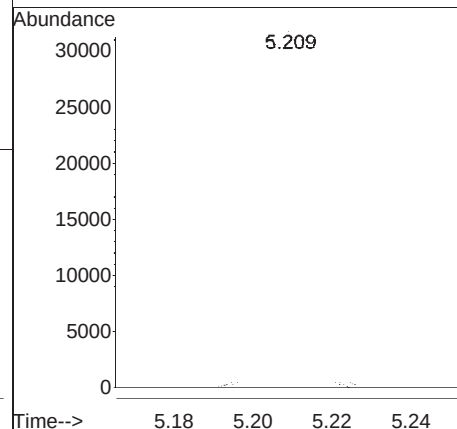
Tgt Ion	Ratio	Lower	Upper
82	100		
138	17.2	14.7	22.1
95	7.0	5.2	7.8

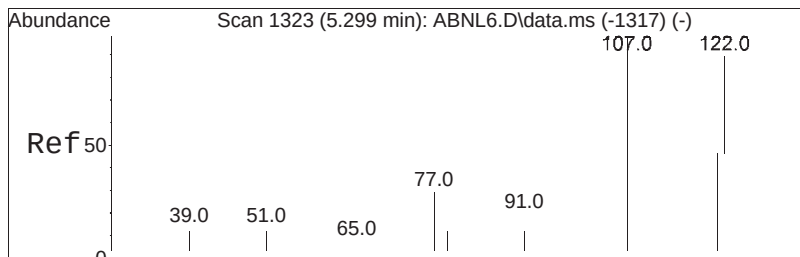




#22
 2-Nitrophenol
 Concen: 4.53 ug/ml
 RT: 5.209 min Scan# 1294
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

Tgt Ion:	139	Resp:	24246
Ion Ratio	Lower	Upper	
139	100		
109	24.2	19.4	29.0
65	44.8	46.1	69.1#





#23

2,4-Dimethylphenol

Concen: 4.75 ug/ml

RT: 5.302 min Scan# 1324

Delta R.T. 0.003 min

Lab File: ABNICV.D

Acq: 27 Aug 2025 11:33 pm

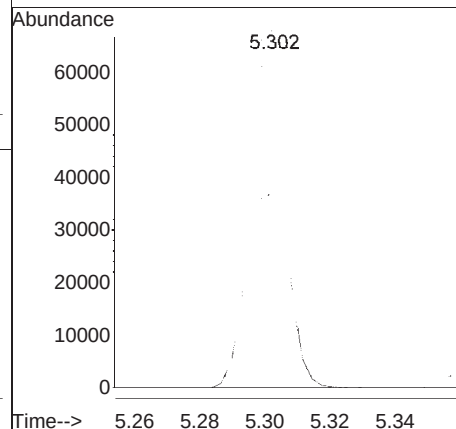
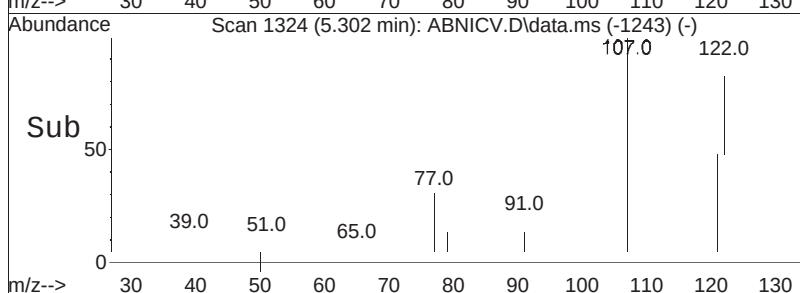
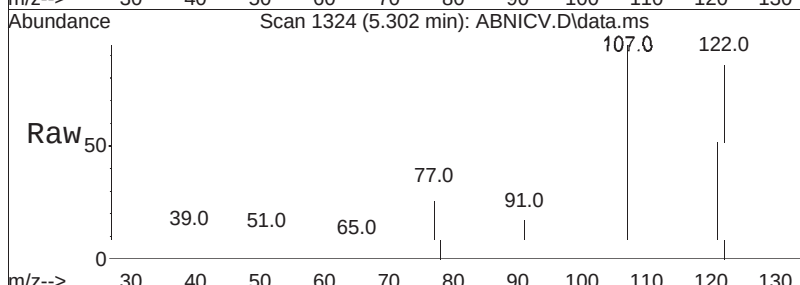
Tgt Ion:107 Resp: 50466

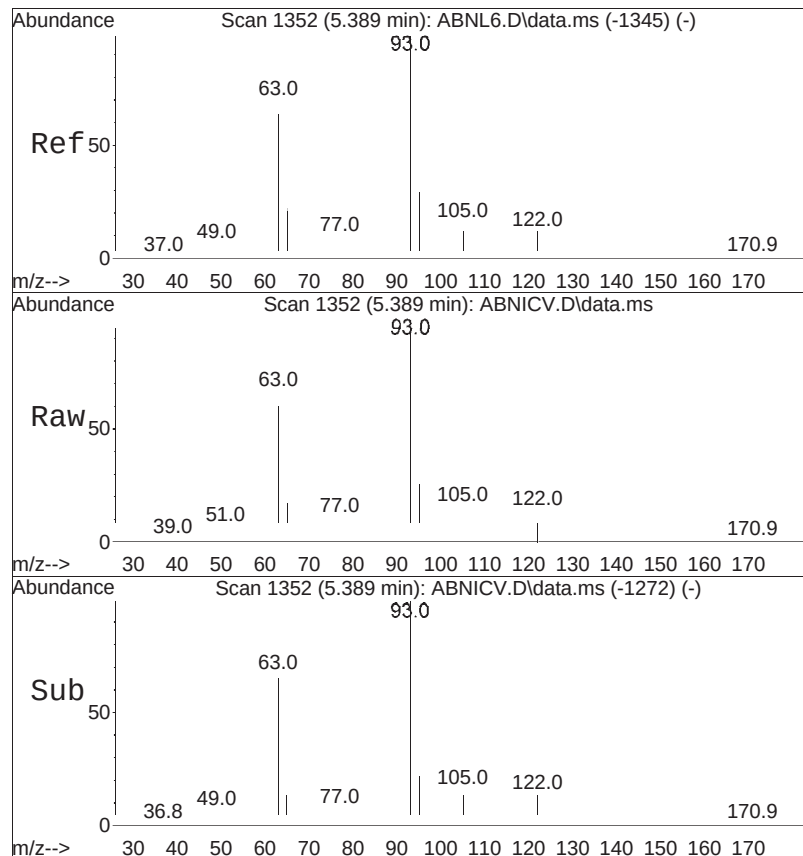
Ion Ratio Lower Upper

107 100

121 53.3 40.0 60.0

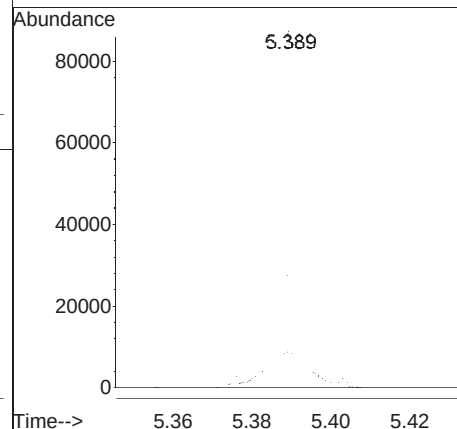
122 90.8 70.2 105.4

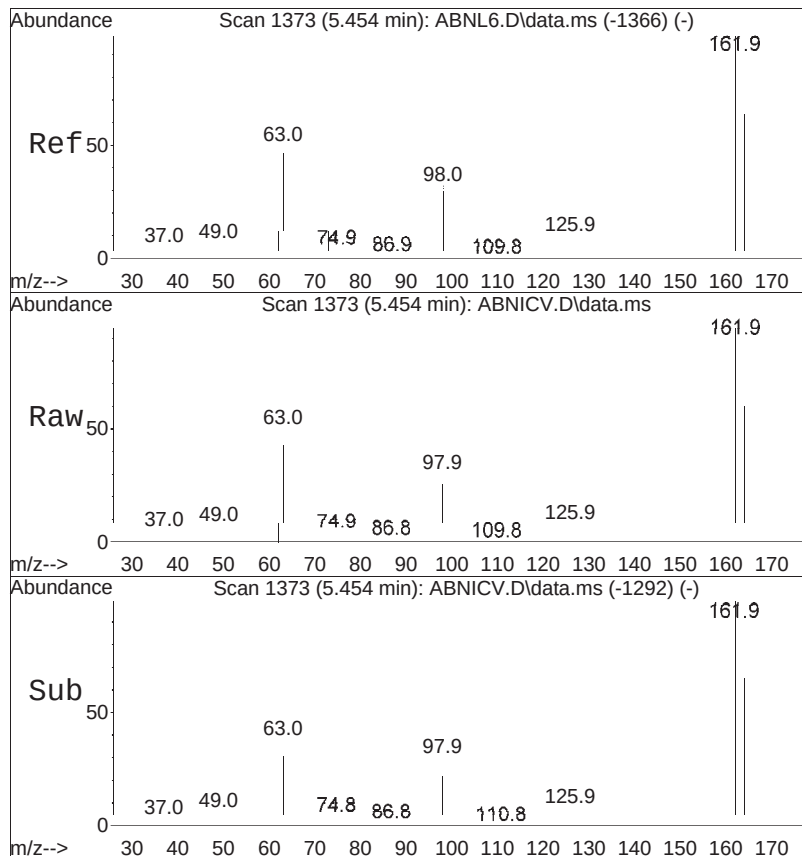




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.78 ug/ml
 RT: 5.389 min Scan# 1352
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

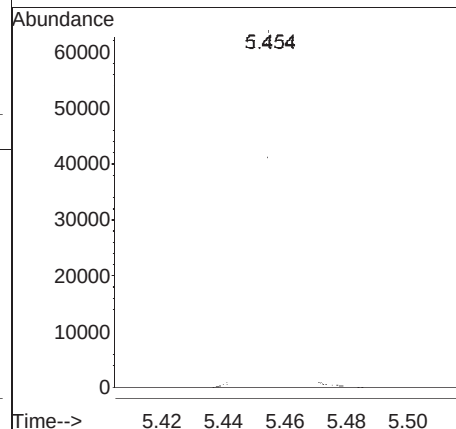
Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	11.8	10.1	15.1

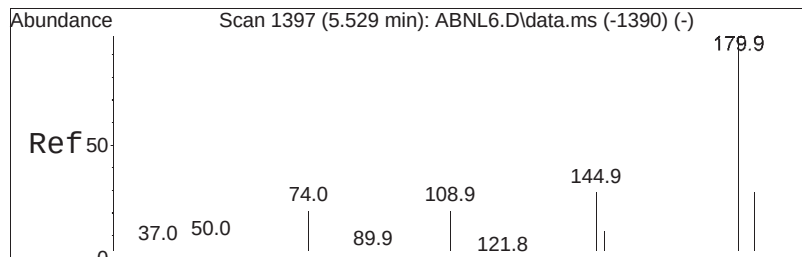




#25
 2,4-Dichlorophenol
 Concen: 4.91 ug/ml
 RT: 5.454 min Scan# 1373
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

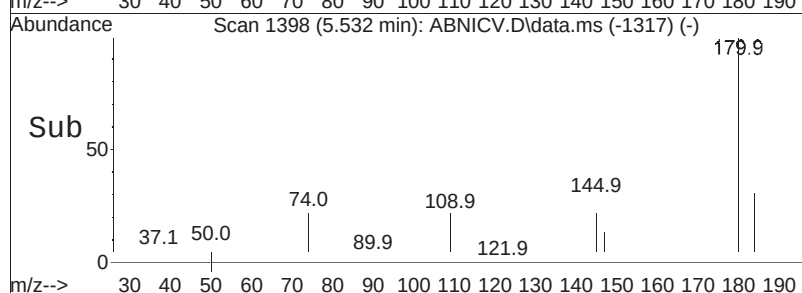
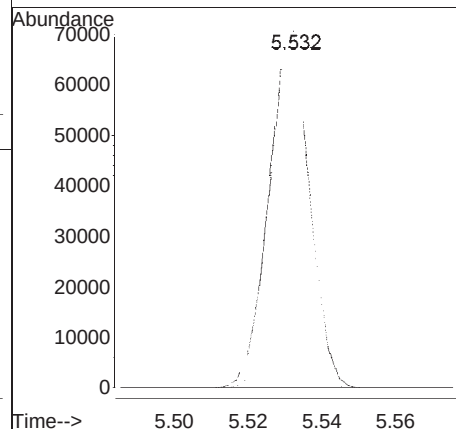
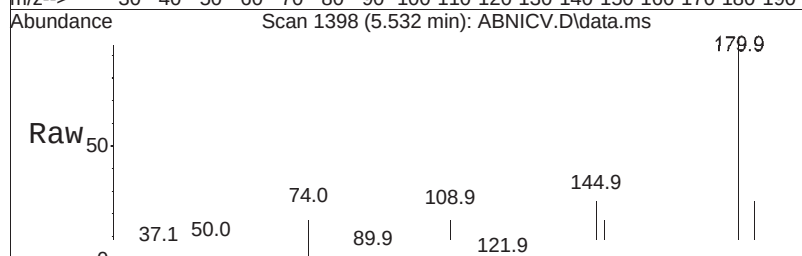
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.8	51.0	76.4
98	31.6	32.2	48.2#

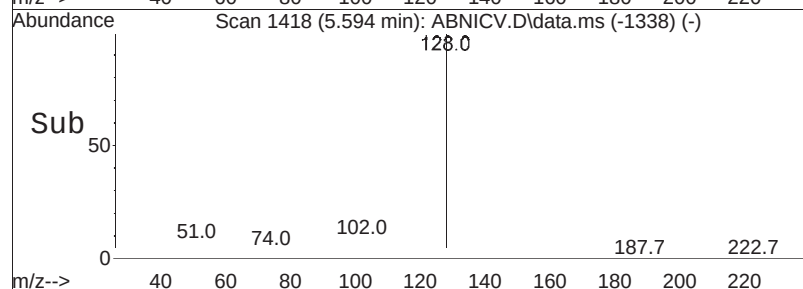
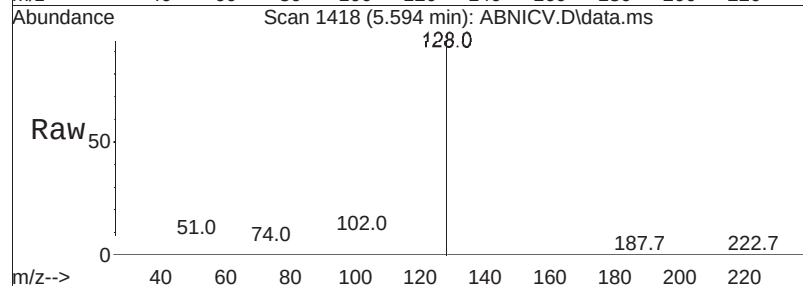
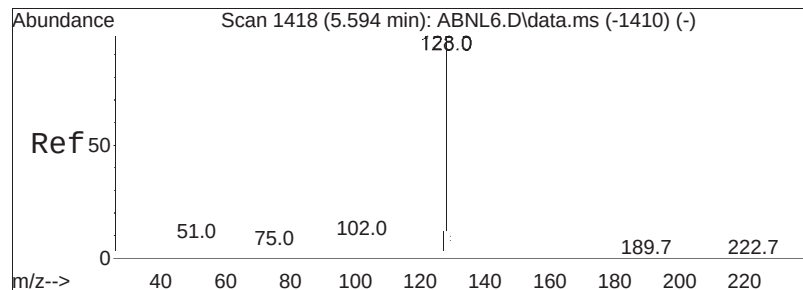




#26
 1,2,4-Trichlorobenzene
 Concen: 4.69 ug/ml
 RT: 5.532 min Scan# 1398
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

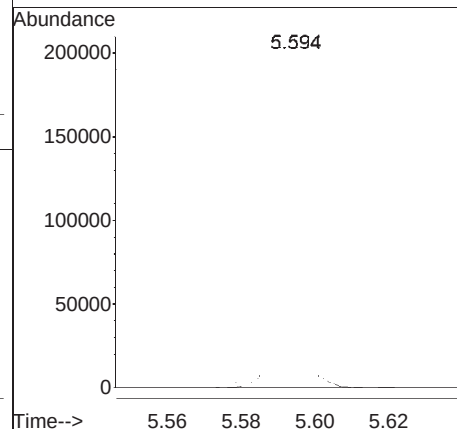
Tgt Ion:	180	Resp:	53860
Ion Ratio	Lower	Upper	
180	100		
182	96.9	76.0	114.0
145	29.1	25.7	38.5

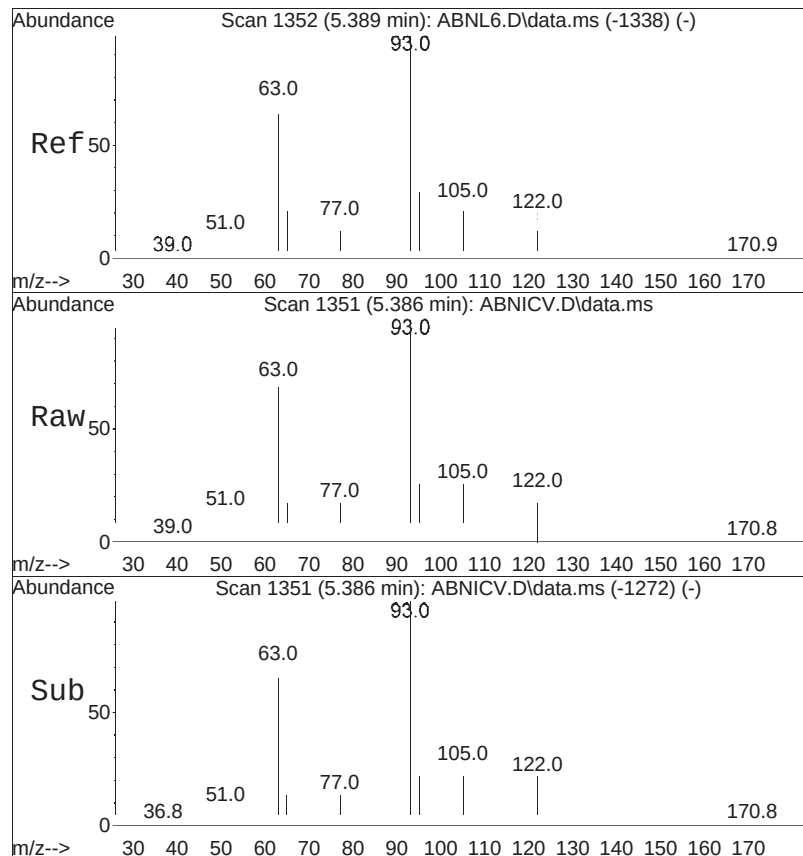




#36
 Naphthalene
 Concen: 4.75 ug/ml
 RT: 5.594 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

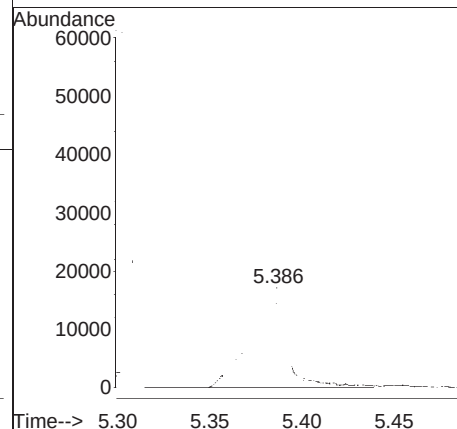
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	167086		
129	10.8		8.7	13.1
127	13.2		10.3	15.5

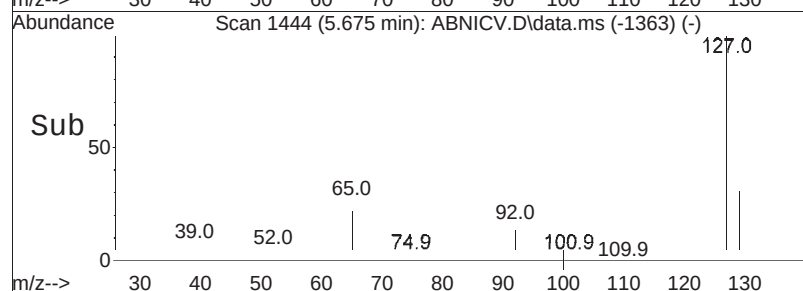
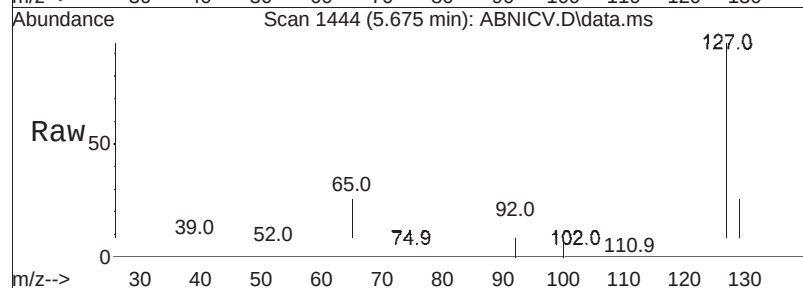
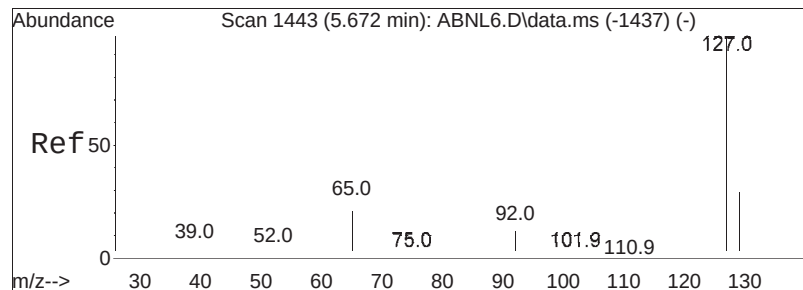




#37
 Benzoic Acid
 Concen: 3.67 ug/ml
 RT: 5.386 min Scan# 1351
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

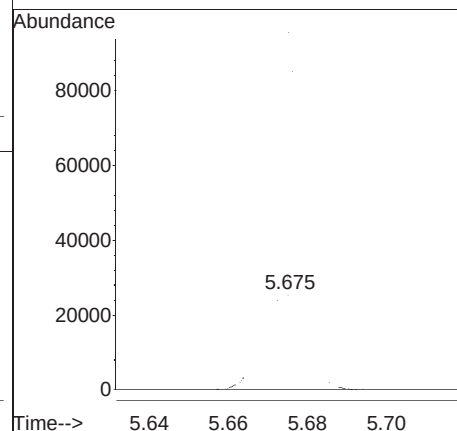
Tgt Ion:	105	Resp:	25898
Ion Ratio	Lower	Upper	
105	100		
122	84.7	59.9	89.9
77	71.6	60.1	90.1

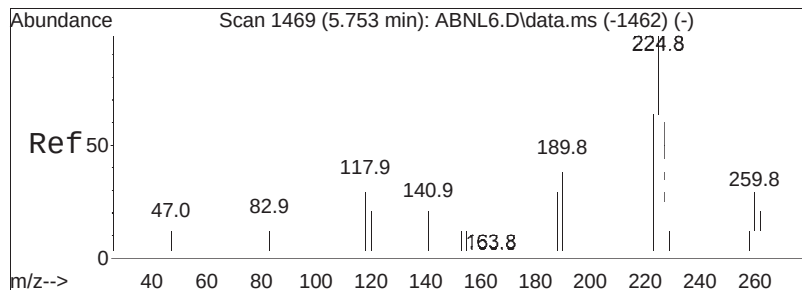




#38
 4-Chloroaniline
 Concen: 4.89 ug/ml
 RT: 5.675 min Scan# 1444
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

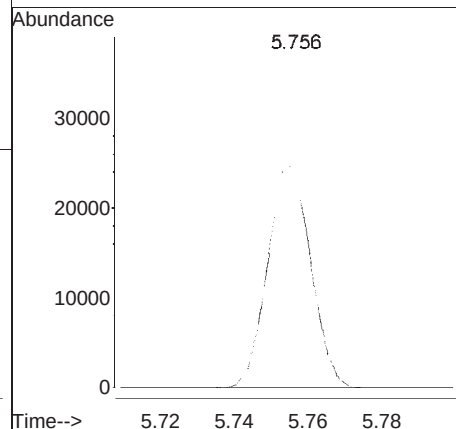
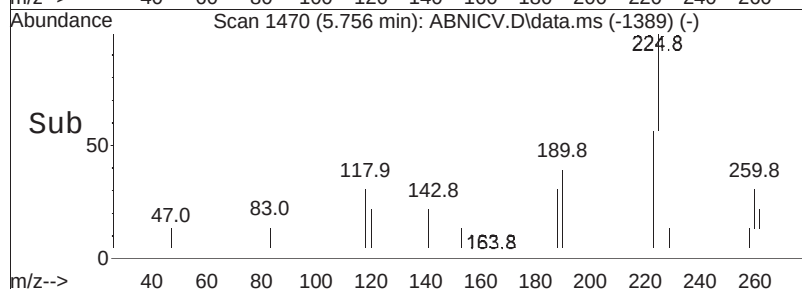
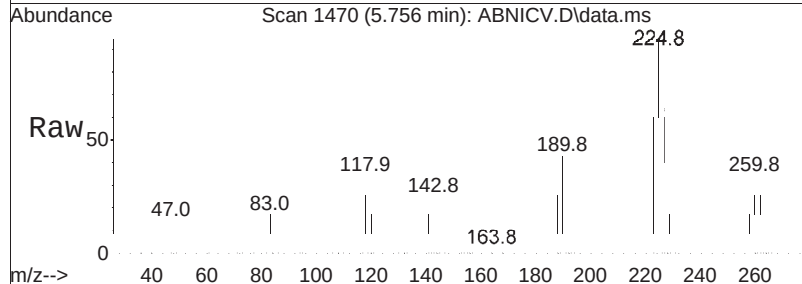
Tgt Ion	Ratio	Lower	Upper
65	100		
127	377.7	237.6	356.4#
129	122.8	76.3	114.5#

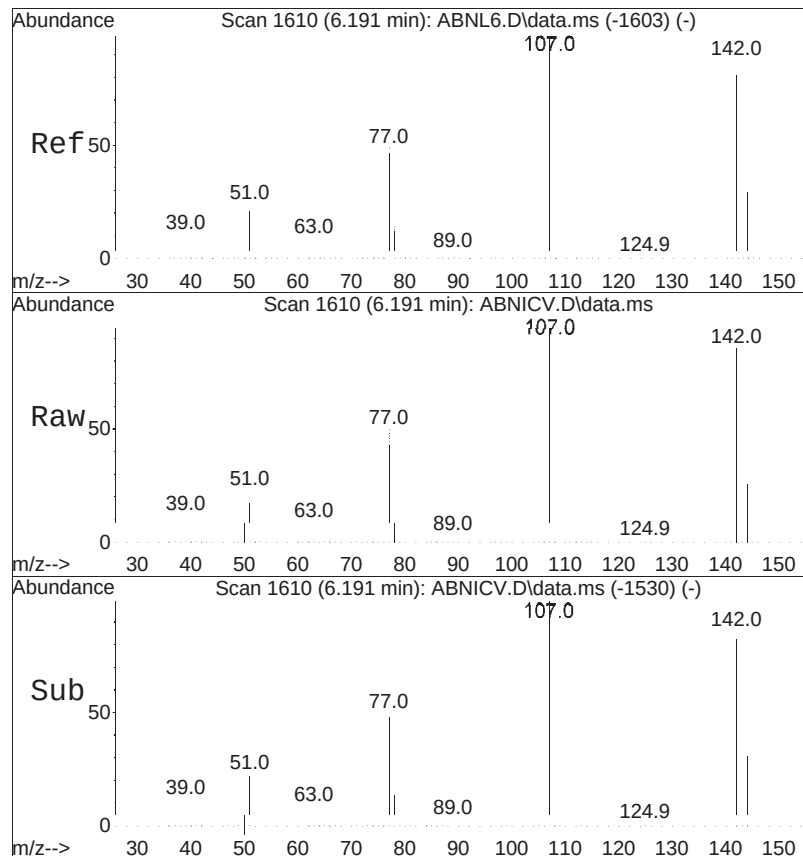




#39
 Hexachlorobutadiene
 Concen: 4.91 ug/ml
 RT: 5.756 min Scan# 1470
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

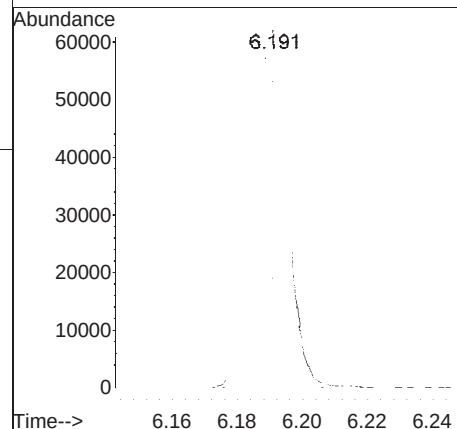
Tgt Ion:	225	Resp:	31995
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.3	75.5
227	63.6	52.2	78.2

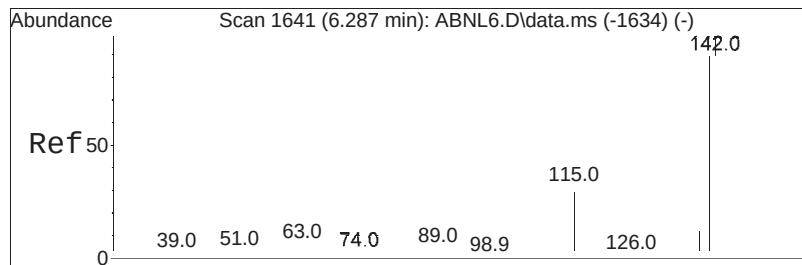




#40
 p-Chloro-m-cresol
 Concen: 4.79 ug/ml
 RT: 6.191 min Scan# 1610
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

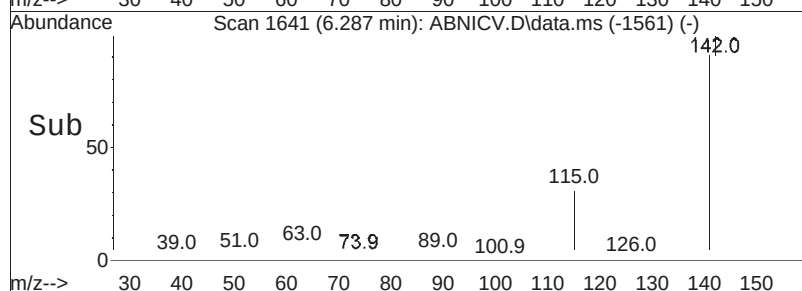
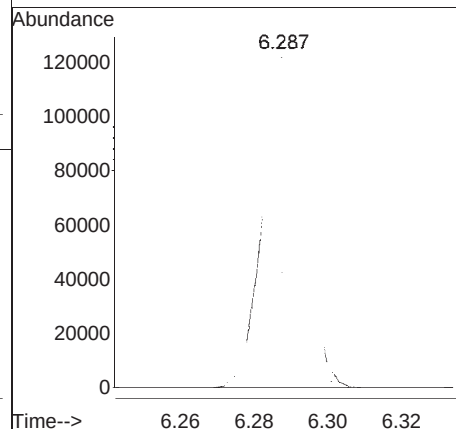
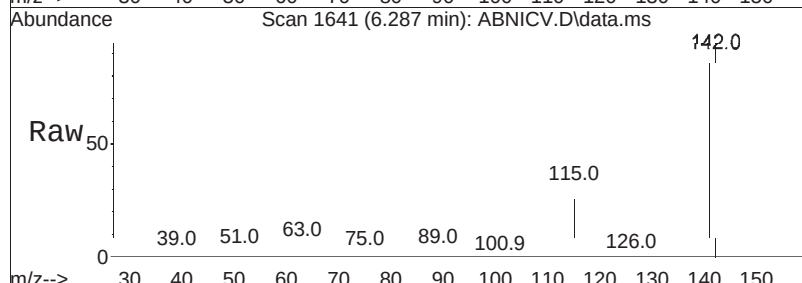
Tgt Ion:	107	Resp:	44260
Ion Ratio	Lower	Upper	
107	100		
144	29.0	20.9	31.3
142	88.4	66.1	99.1

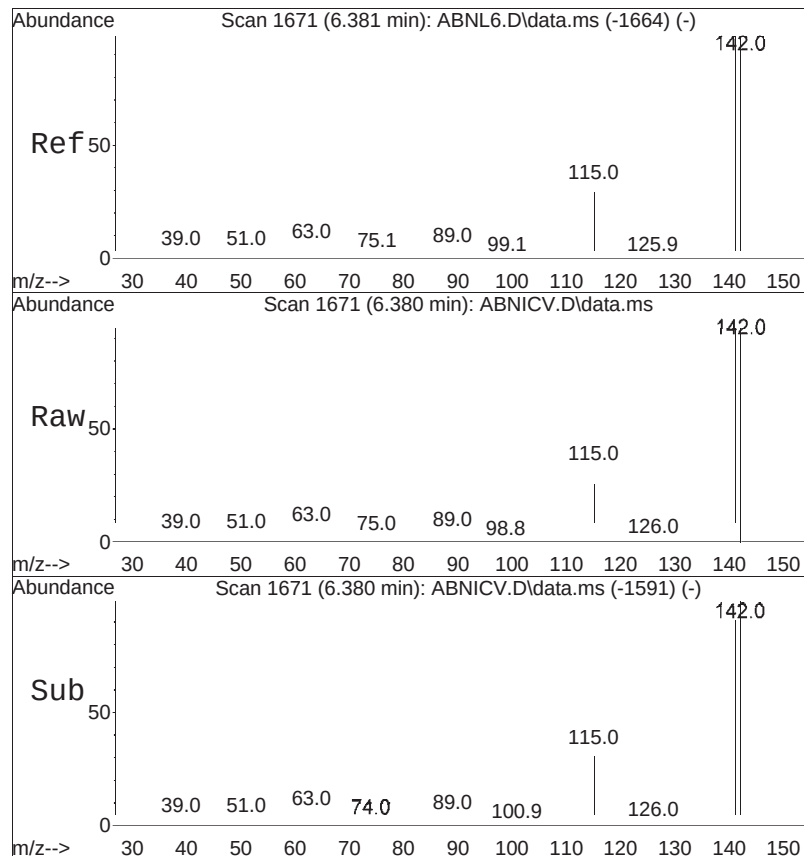




#41
 2-Methylnaphthalene
 Concen: 4.93 ug/ml
 RT: 6.287 min Scan# 1641
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

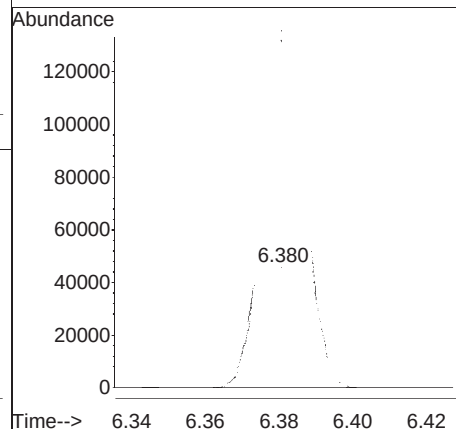
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	69.6	104.4
115	32.4	26.6	40.0

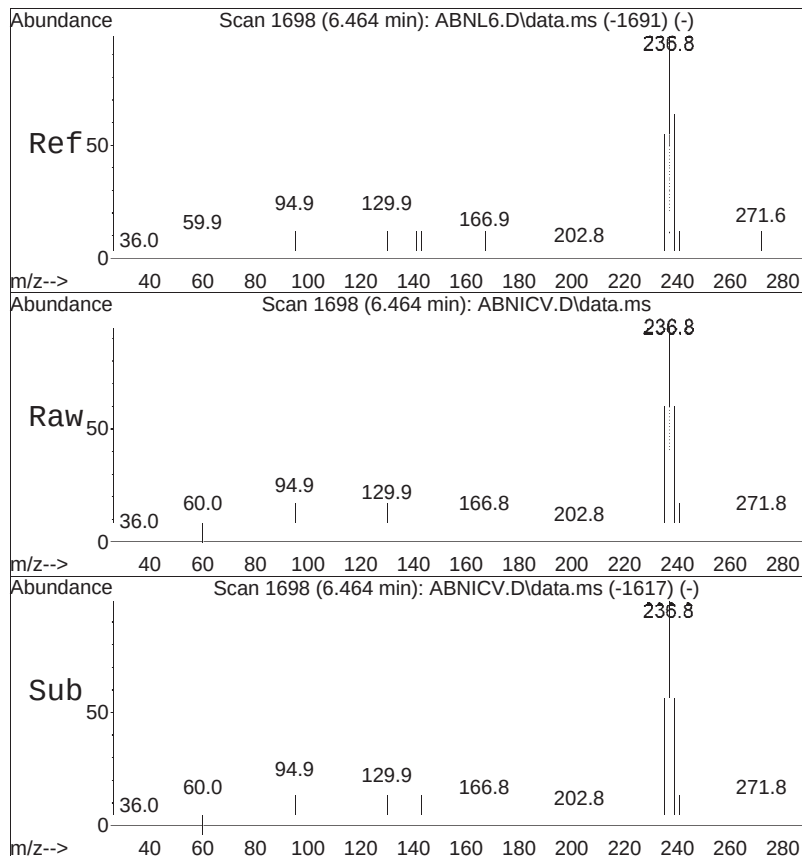




#42
 1-Methylnaphthalene
 Concen: 4.83 ug/ml
 RT: 6.380 min Scan# 1671
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

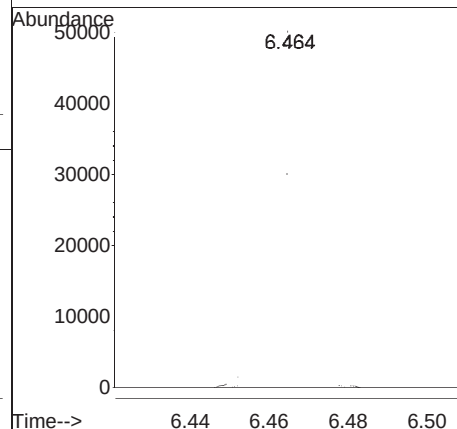
Tgt Ion:	115	Resp:	35694
Ion Ratio	Lower	Upper	
115	100		
141	281.6	207.8	311.6
142	296.1	226.8	340.2

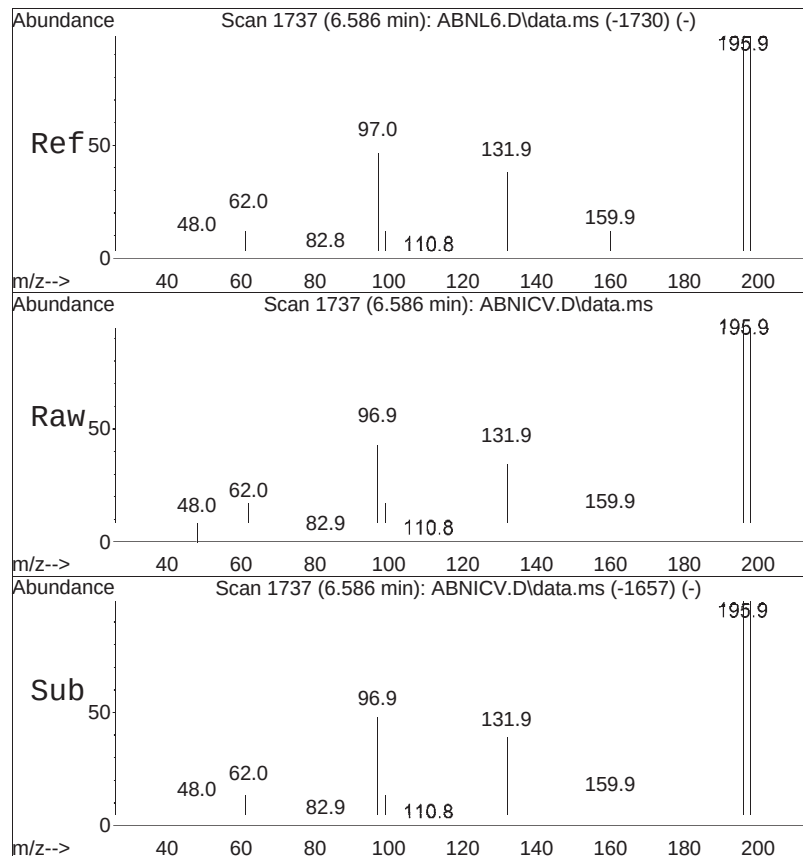




#43
 Hexachlorocyclopentadiene
 Concen: 4.69 ug/ml
 RT: 6.464 min Scan# 1698
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

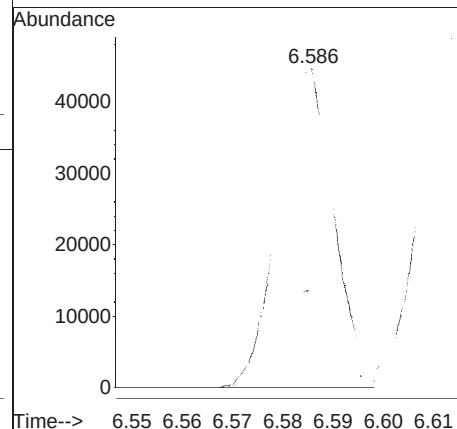
Tgt Ion:	237	Resp:	38722
Ion Ratio	Lower	Upper	
237	100		
235	61.7	49.7	74.5
272	12.3	9.8	14.6

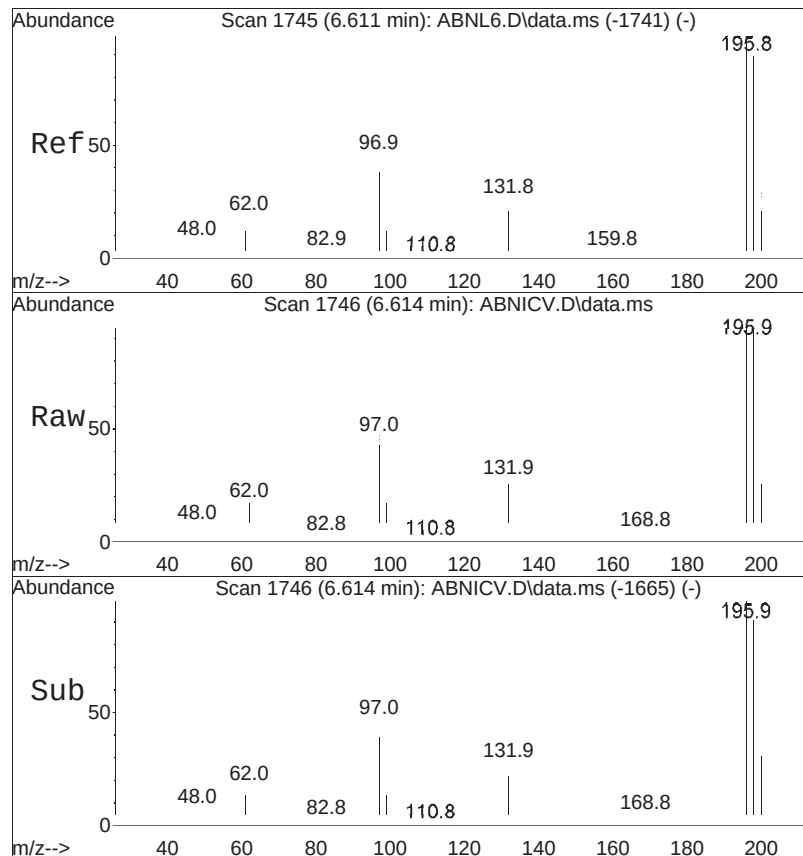




#44
 2,4,6-Trichlorophenol
 Concen: 4.98 ug/ml
 RT: 6.586 min Scan# 1737
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

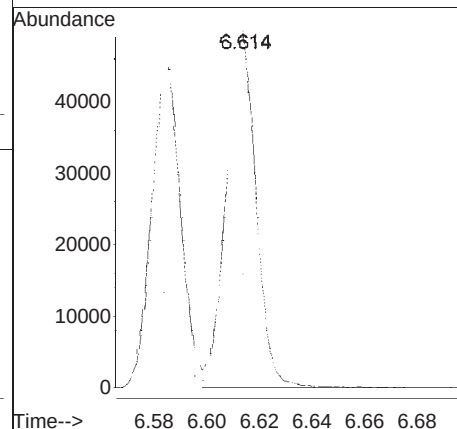
Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.4	77.5	116.3
200	31.4	23.8	35.6

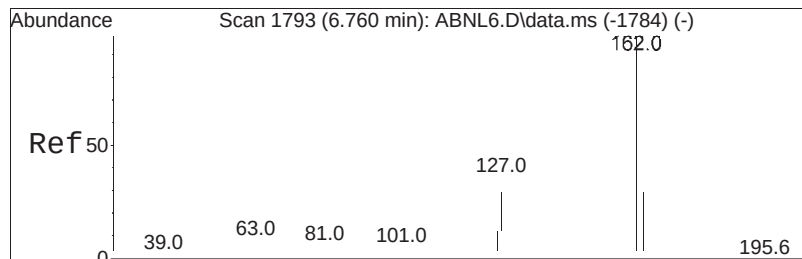




#45
 2,4,5-Trichlorophenol
 Concen: 5.08 ug/ml
 RT: 6.614 min Scan# 1746
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

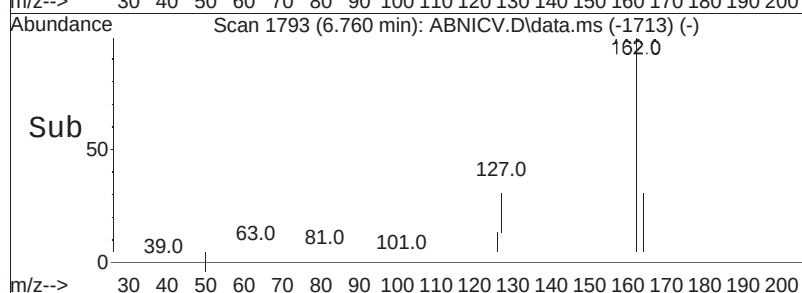
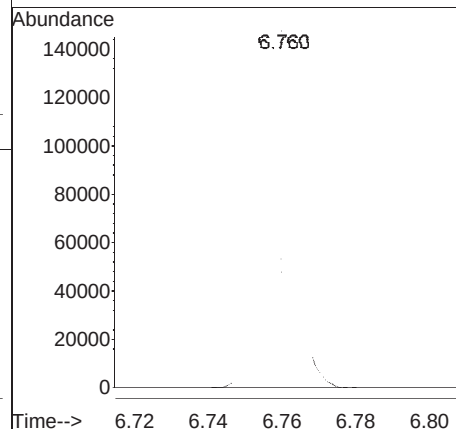
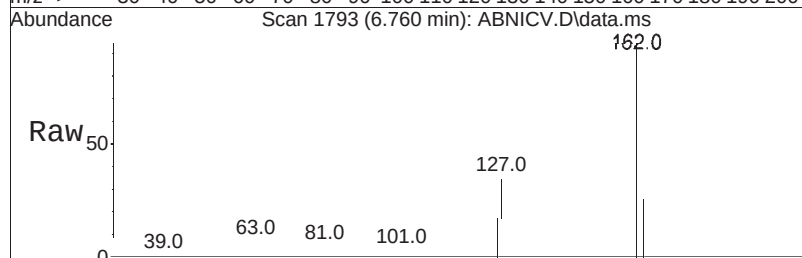
Tgt Ion	Ratio	Lower	Upper
196	100		
200	30.8	25.4	38.0
198	96.1	78.0	117.0

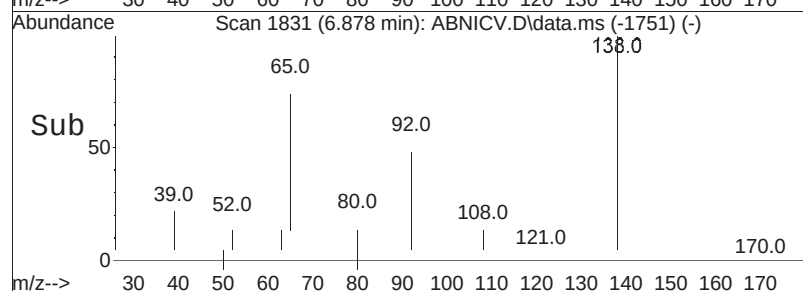
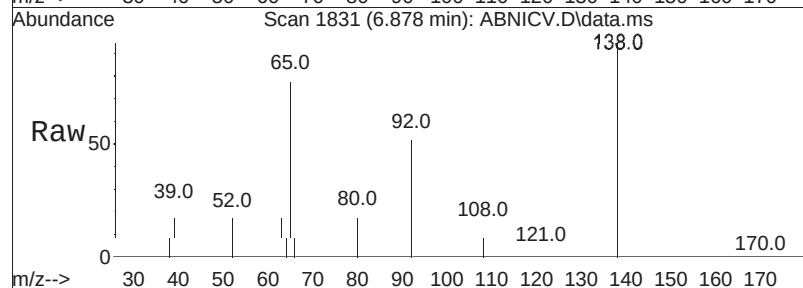
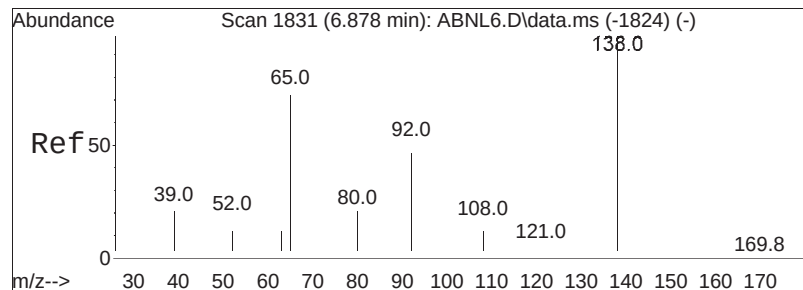




#47
 2-Chloronaphthalene
 Concen: 4.83 ug/ml
 RT: 6.760 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

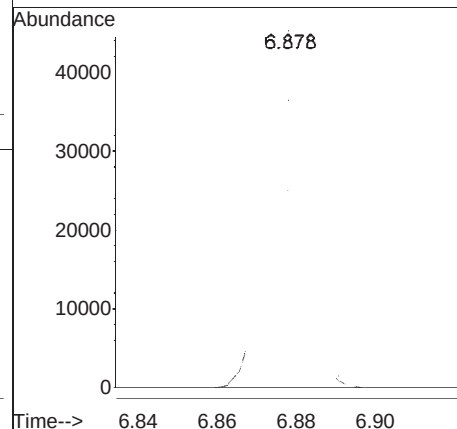
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	114228		
127	35.9		32.2	48.4
164	31.9		25.7	38.5

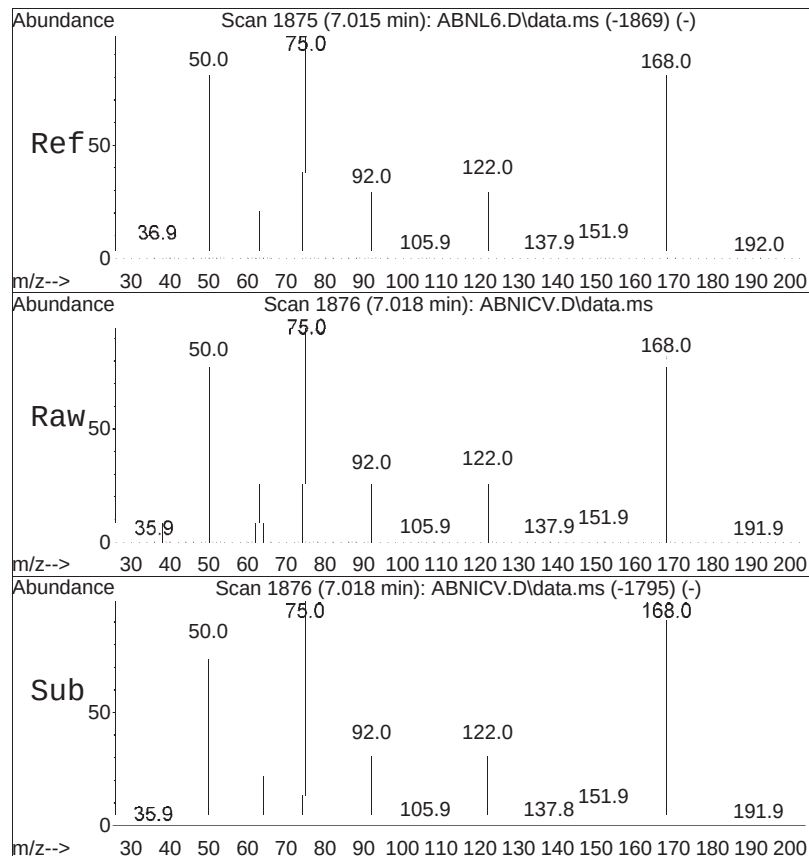




#48
 2-Nitroaniline
 Concen: 4.94 ug/ml
 RT: 6.878 min Scan# 1831
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

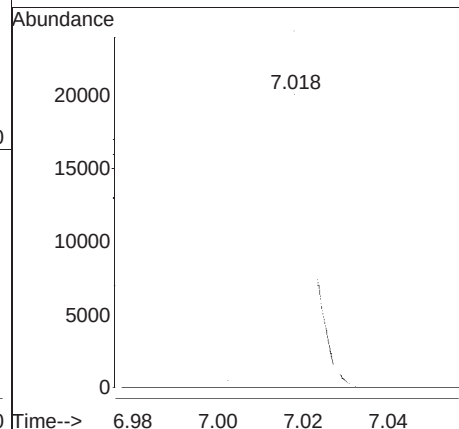
Tgt Ion:	138	Resp:	33114
Ion Ratio	Lower	Upper	
138	100		
92	56.3	53.5	80.3
65	80.3	86.3	129.5#

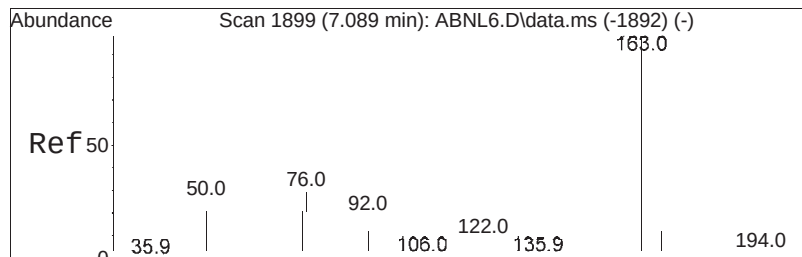




#49
 1,4-Dinitrobenzene
 Concen: 4.65 ug/ml
 RT: 7.018 min Scan# 1876
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

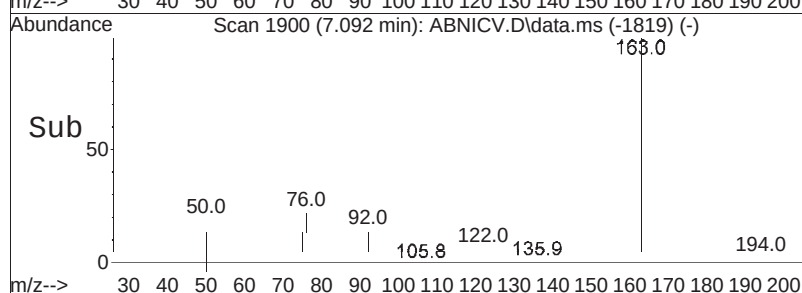
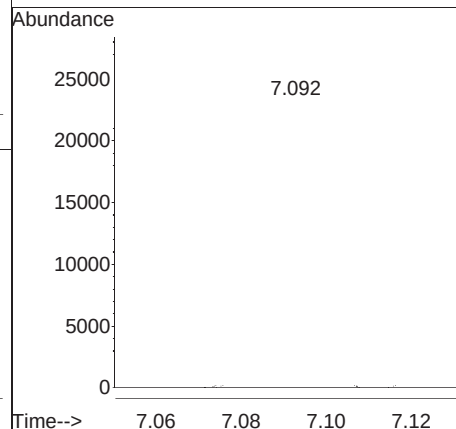
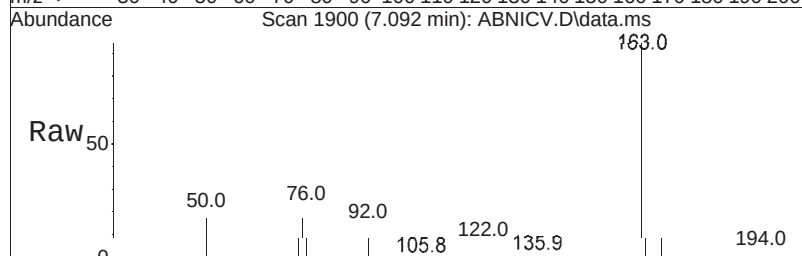
Tgt Ion	Ratio	Lower	Upper
168	100		
75	125.4	121.8	182.8

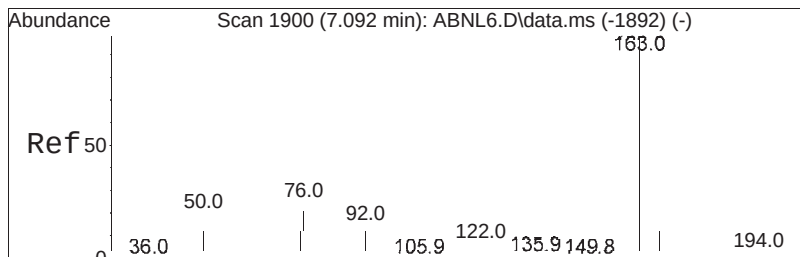




#50
 1,3-Dinitrobenzene
 Concen: 4.81 ug/ml
 RT: 7.092 min Scan# 1900
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

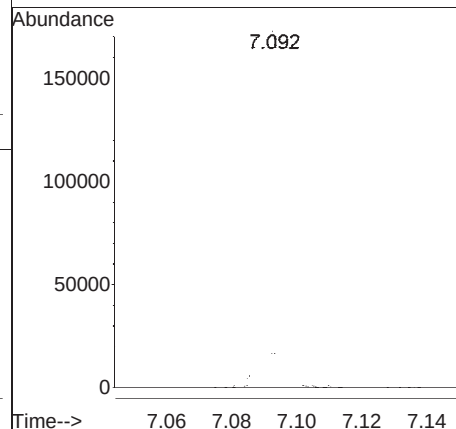
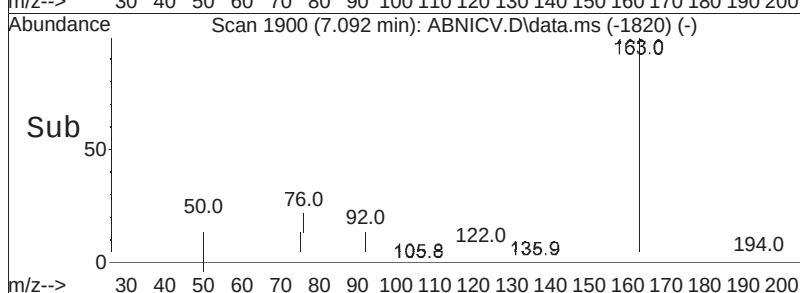
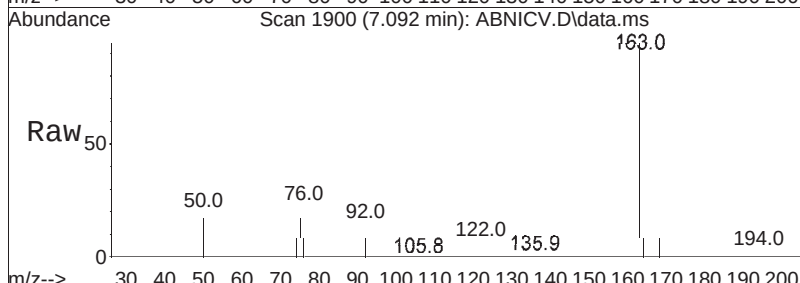
Tgt Ion	Ratio	Lower	Upper
168	100		
75	129.3	22.7	34.1#

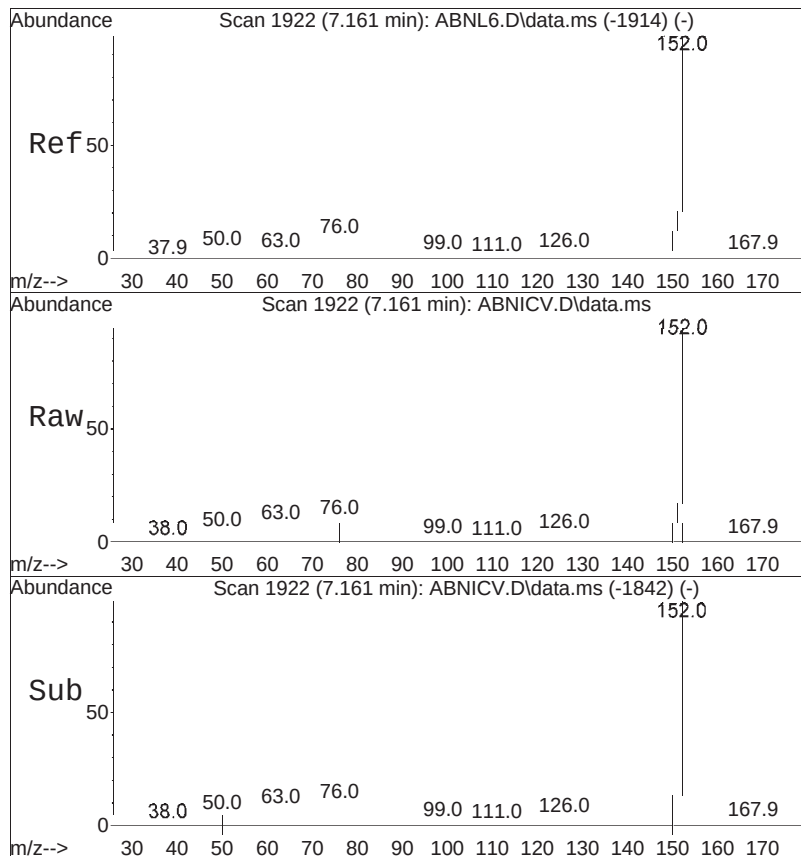




#51
 Dimethyl phthalate
 Concen: 4.75 ug/ml
 RT: 7.092 min Scan# 1900
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

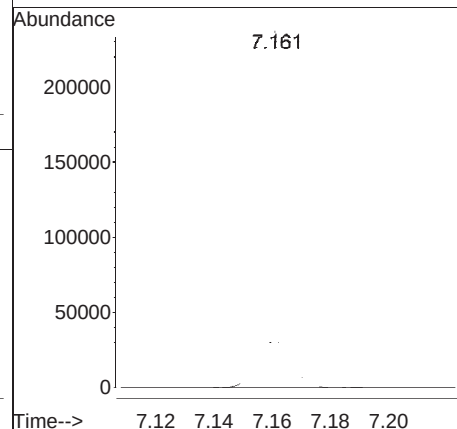
Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.5	5.3#
164	9.7	7.9	11.9

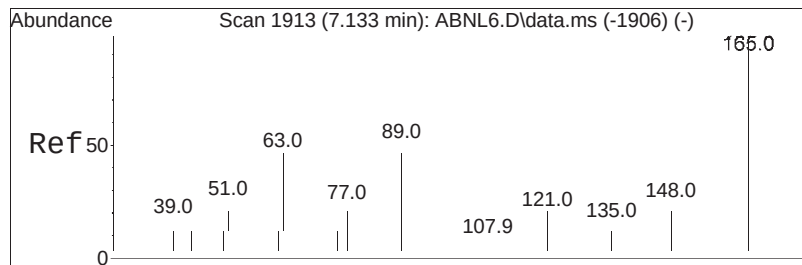




#52
 Acenaphthylene
 Concen: 4.91 ug/ml
 RT: 7.161 min Scan# 1922
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

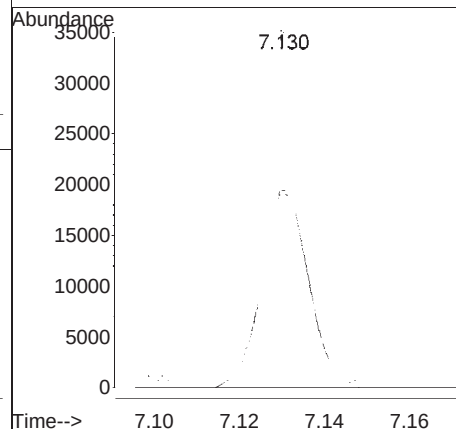
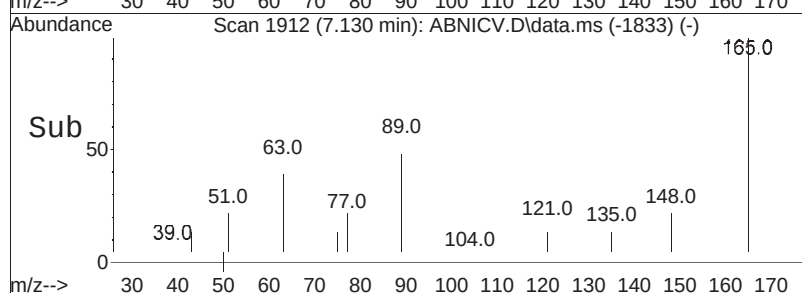
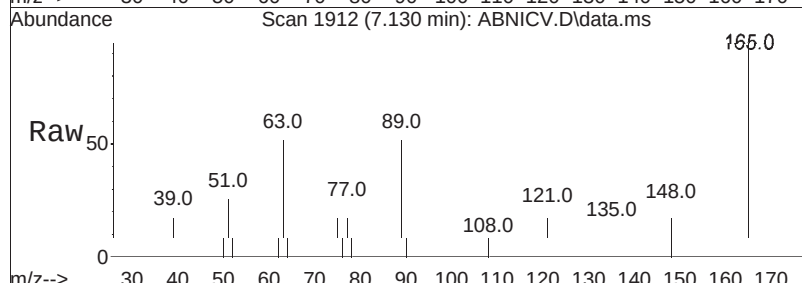
Tgt Ion:	152	Resp:	186814
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.8	23.6
153	13.7	10.5	15.7

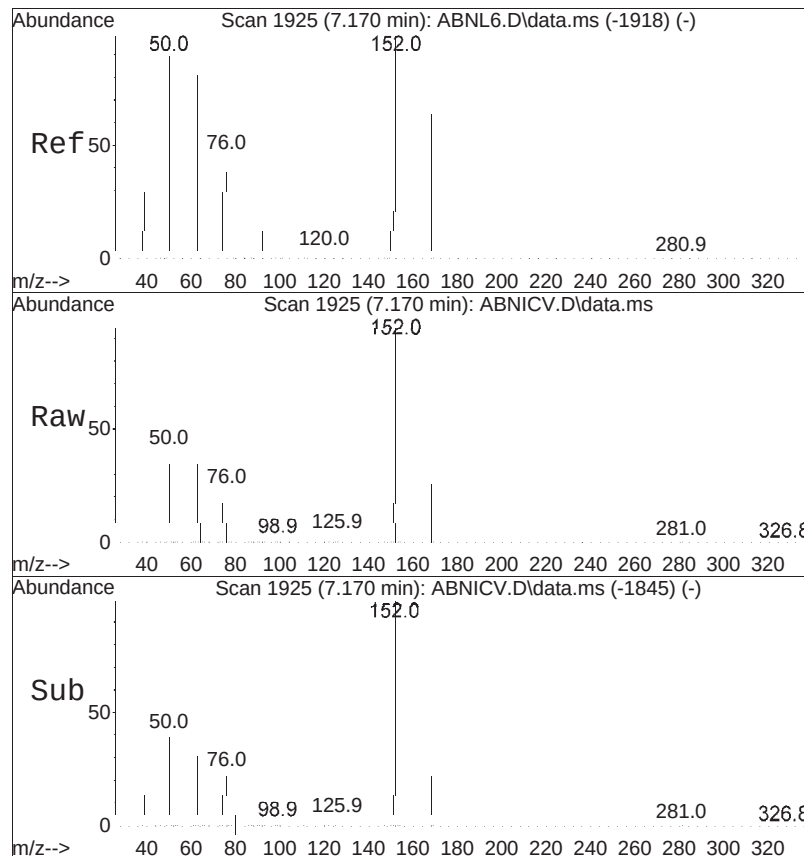




#53
 2,6-Dinitrotoluene
 Concen: 4.91 ug/ml
 RT: 7.130 min Scan# 1912
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

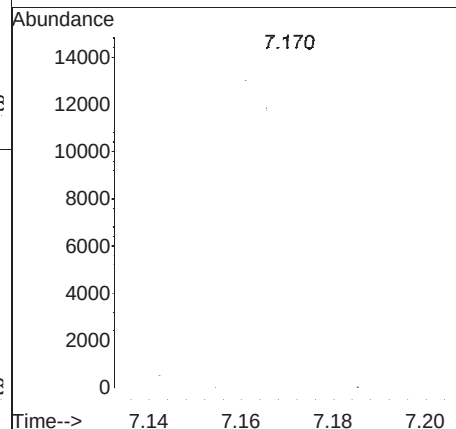
Tgt Ion	Ratio	Lower	Upper
165	100		
89	54.4	54.2	81.2
63	56.6	64.2	96.2#

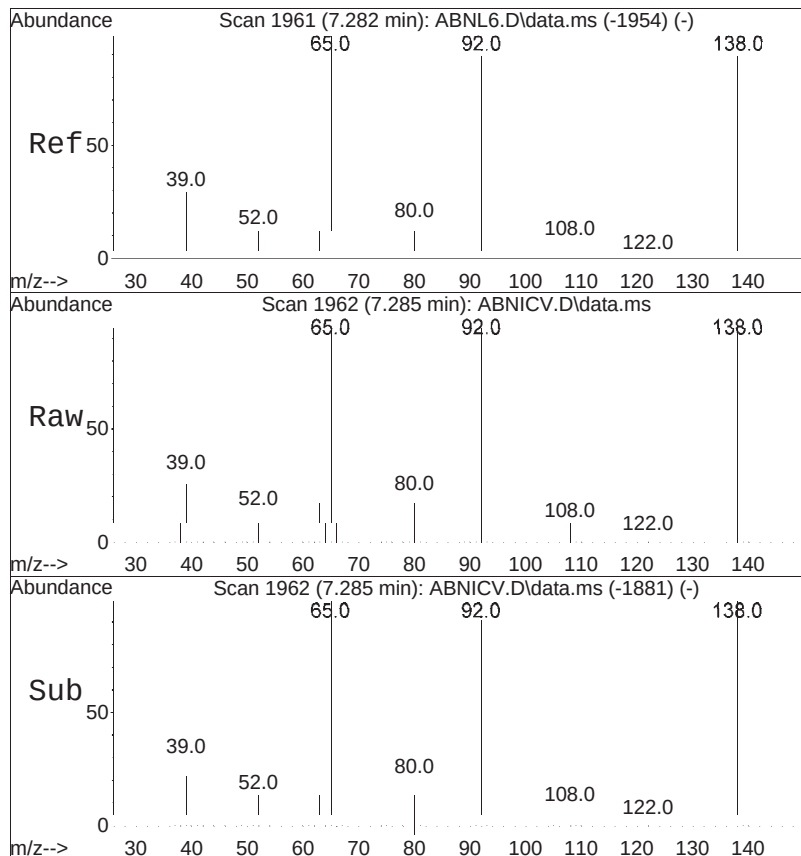




#54
 1,2-Dinitrobenzene
 Concen: 5.01 ug/ml
 RT: 7.170 min Scan# 1925
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

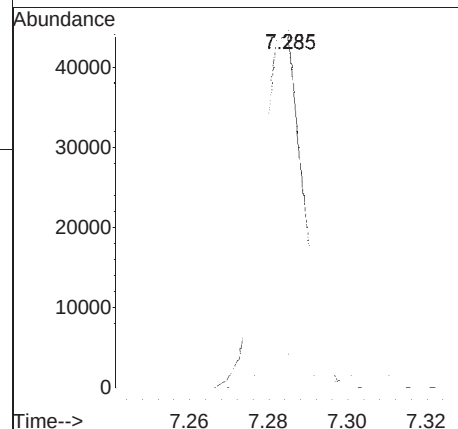
Tgt Ion	Ratio	Lower	Upper
168	100		
75	113.8	30.9	46.3#

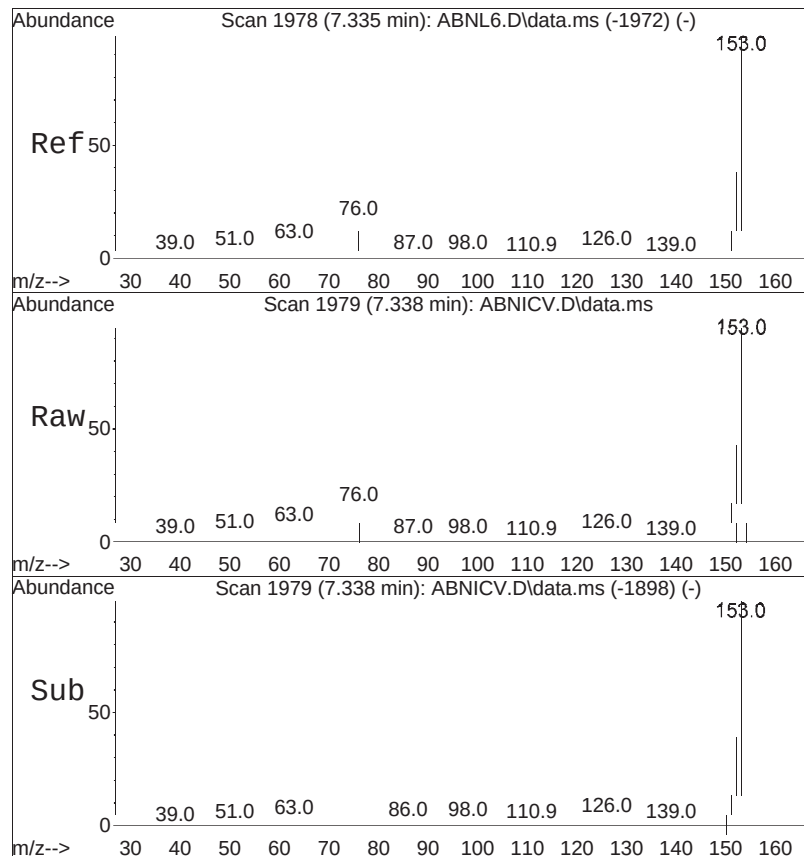




#64
 3-Nitroaniline
 Concen: 4.85 ug/ml
 RT: 7.285 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

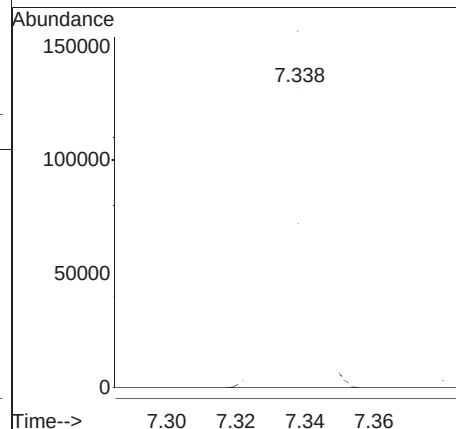
Tgt Ion:	138	Resp:	32931
Ion Ratio	Lower	Upper	
138	100		
92	101.6	93.4	140.2
108	9.9	9.5	14.3

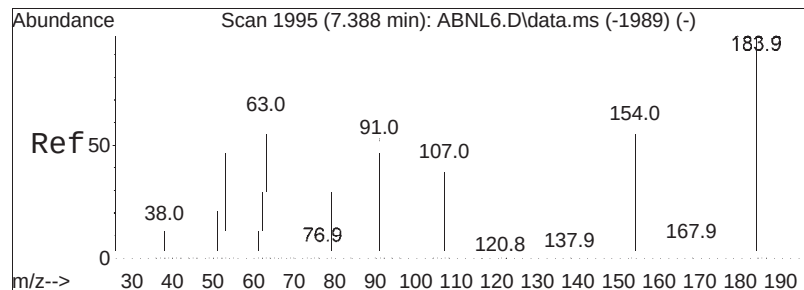




#65
 Acenaphthene
 Concen: 4.59 ug/ml
 RT: 7.338 min Scan# 1979
 Delta R.T. 0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

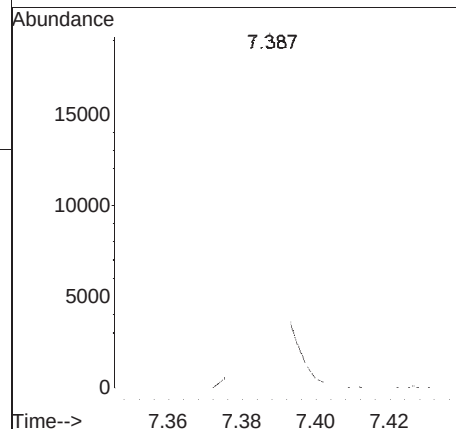
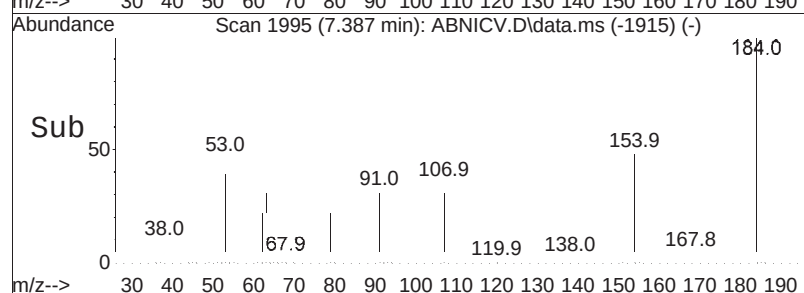
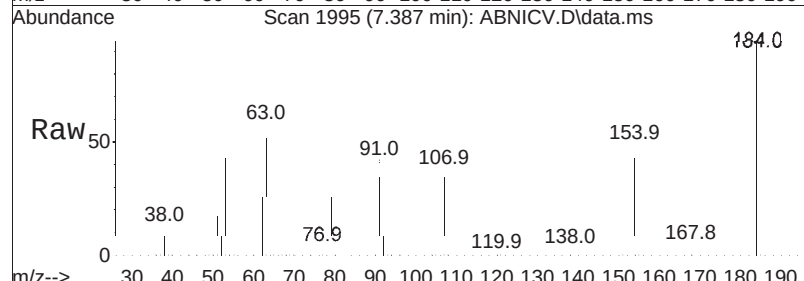
Tgt Ion:	154	Resp:	103552
Ion Ratio	Lower	Upper	
154	100		
153	119.6	85.3	127.9
152	54.3	41.4	62.0

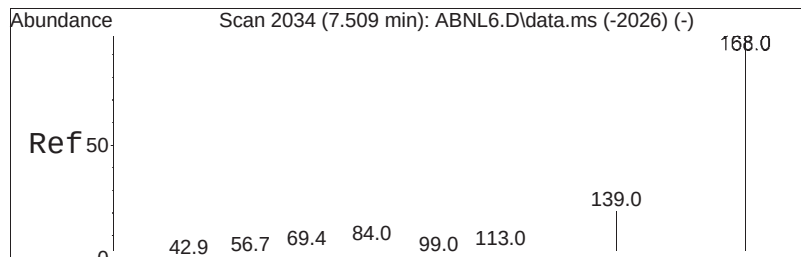




#66
 2,4-Dinitrophenol
 Concen: 4.22 ug/ml
 RT: 7.387 min Scan# 1995
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

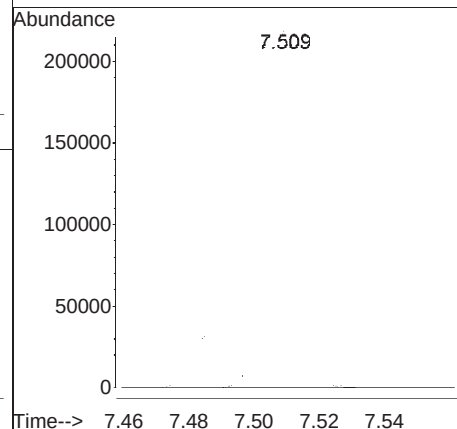
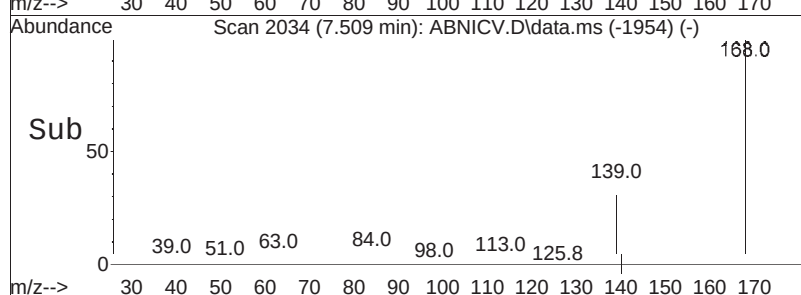
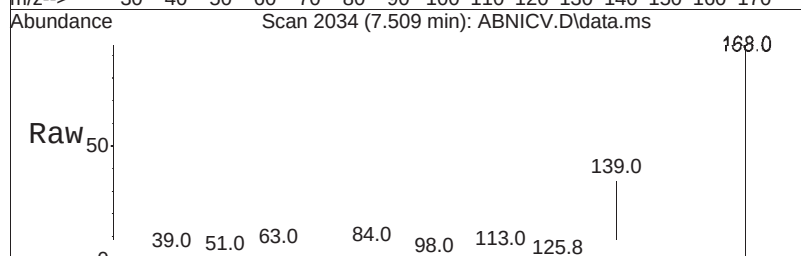
Tgt Ion:	184	Resp:	13885
Ion Ratio	Lower	Upper	
184	100		
107	40.8	37.7	56.5
91	45.1	46.3	69.5#

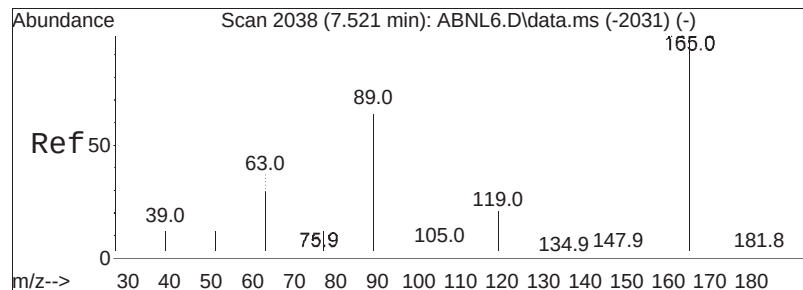




#67
Dibenzo(f,h)quinoxaline
Concen: 4.61 ug/ml
RT: 7.509 min Scan# 2034
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

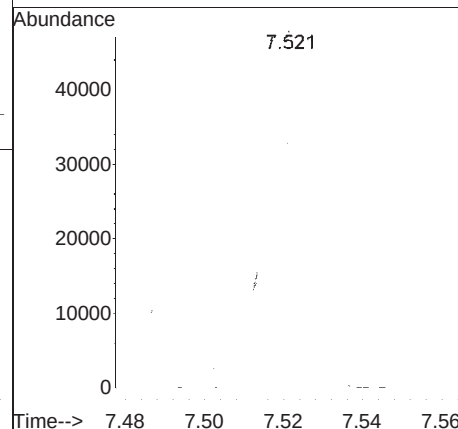
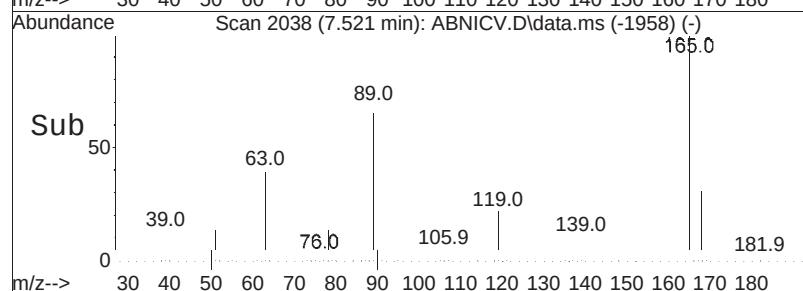
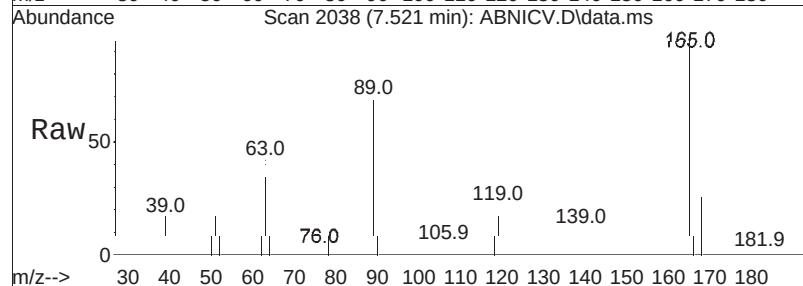
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.2	31.4	47.2

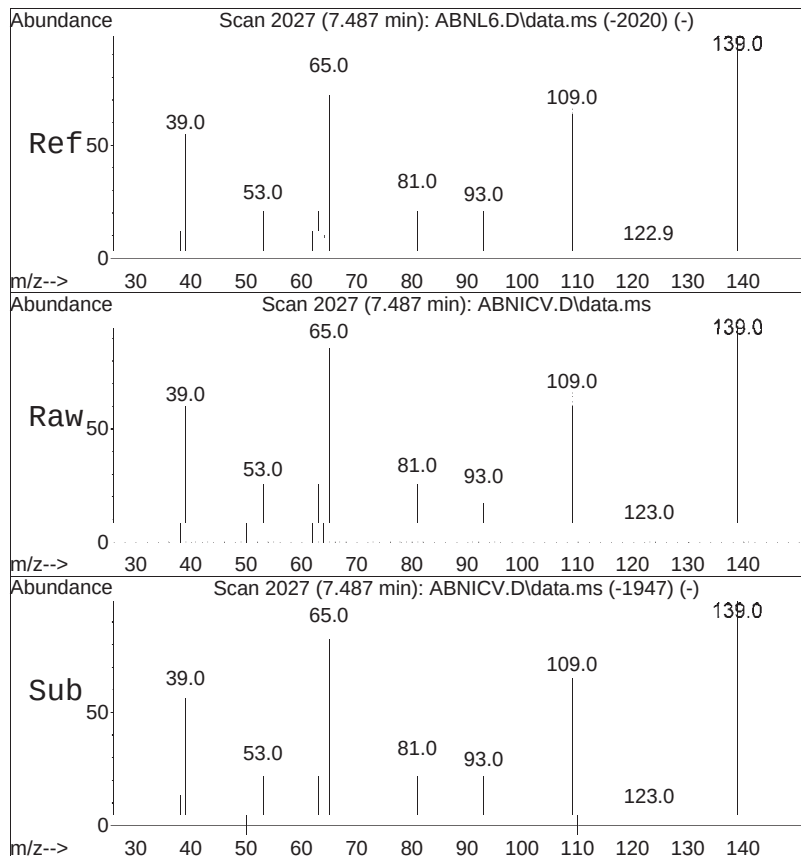




#68
 2,4-Dinitrotoluene
 Concen: 4.92 ug/ml
 RT: 7.521 min Scan# 2038
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

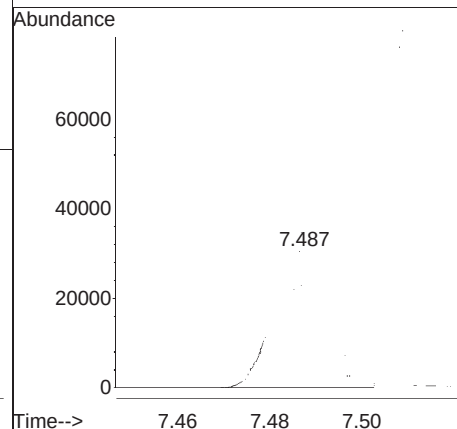
Tgt Ion:	165	Resp:	37575
Ion Ratio	Lower	Upper	
165	100		
89	78.9	72.0	108.0
63	61.7	52.7	79.1

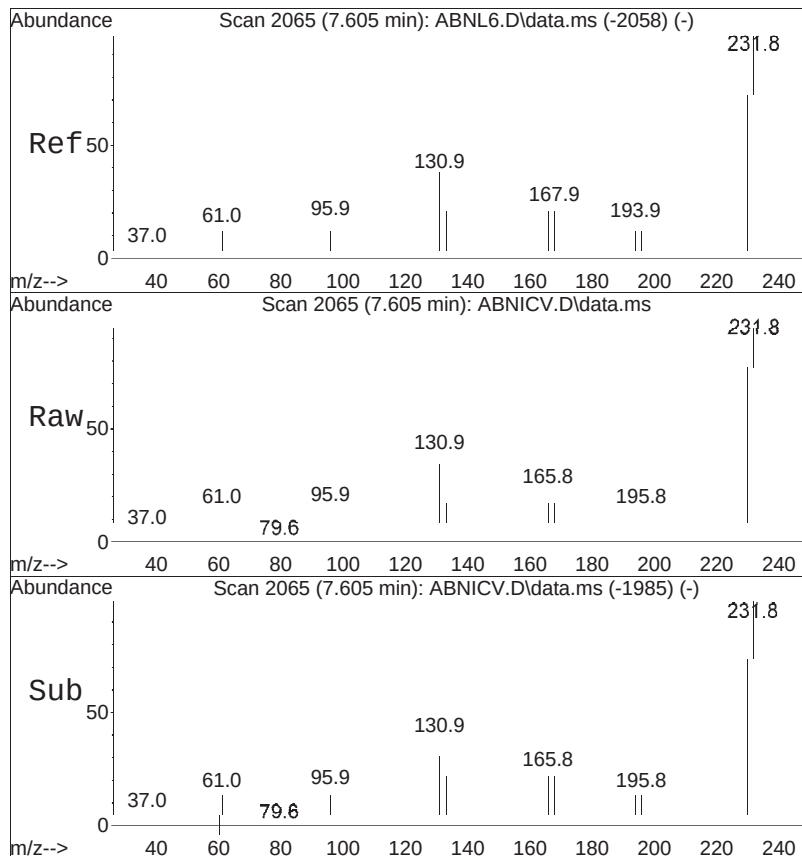




#69
 4-Nitrophenol
 Concen: 4.76 ug/ml
 RT: 7.487 min Scan# 2027
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

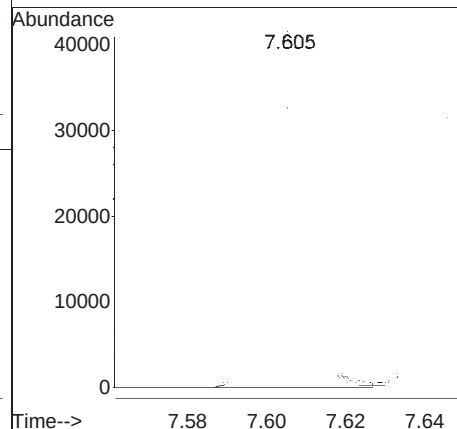
Tgt Ion	Ratio	Lower	Upper
65	100		
109	77.6	47.4	71.2#
139	113.8	76.6	115.0

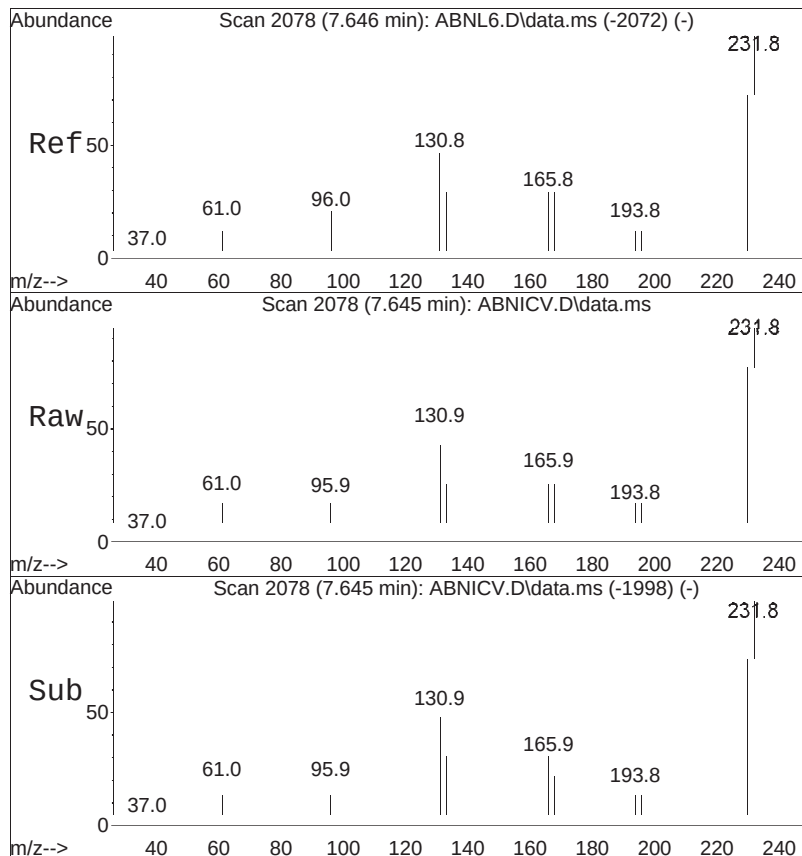




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 4.94 ug/ml
 RT: 7.605 min Scan# 2065
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

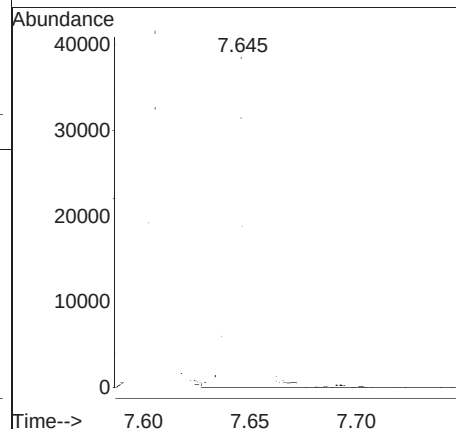
Tgt Ion:	232	Resp:	33383
Ion Ratio	Lower	Upper	
232	100		
230	75.4	64.2	96.4
234	47.2	38.1	57.1

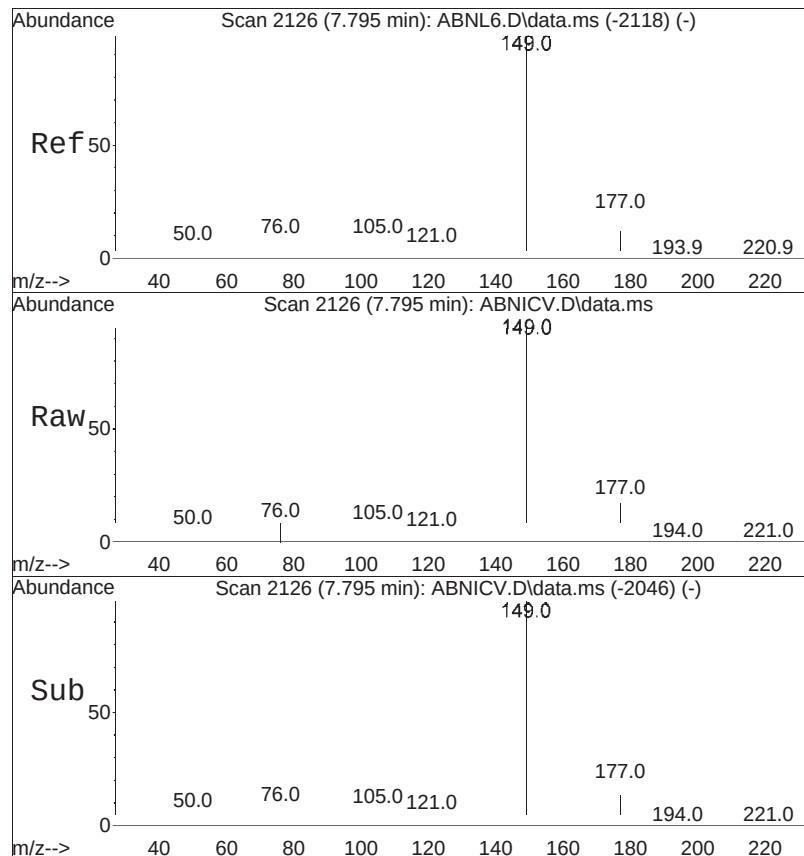




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 5.03 ug/ml
 RT: 7.645 min Scan# 2078
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

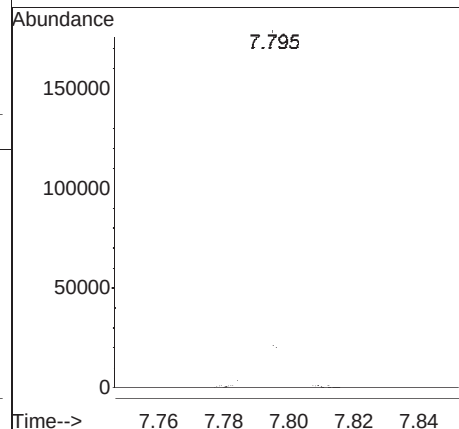
Tgt Ion:	232	Resp:	32978
Ion Ratio	Lower	Upper	
232	100		
230	76.5	61.8	92.8
234	46.8	36.2	54.2

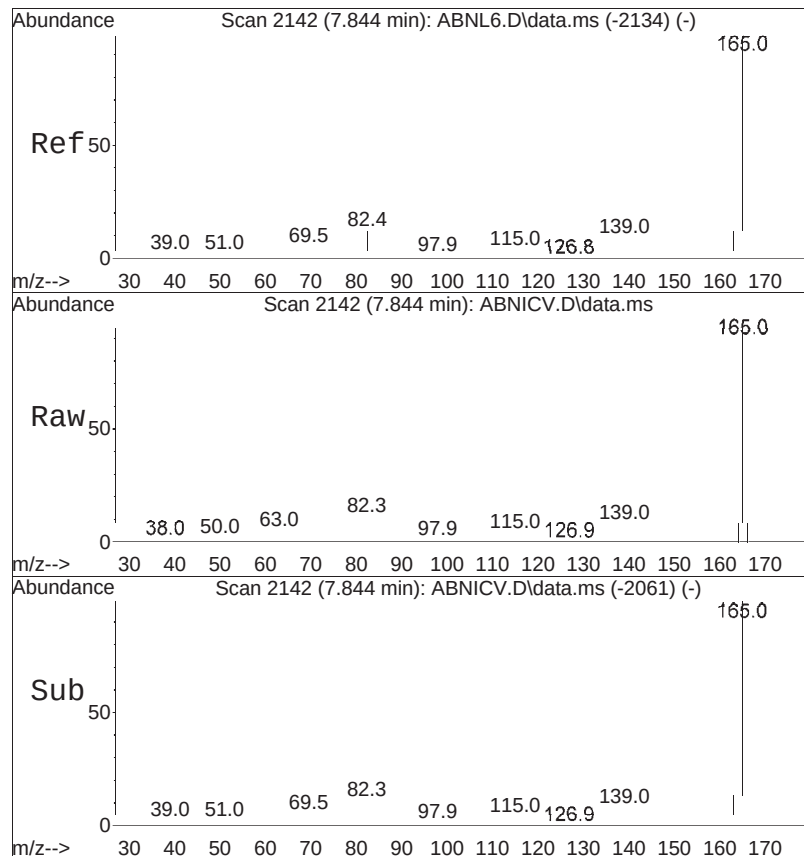




#72
 Diethyl phthalate
 Concen: 4.57 ug/ml
 RT: 7.795 min Scan# 2126
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

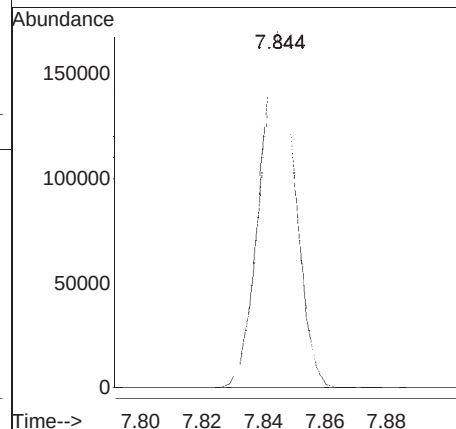
Tgt Ion	Ratio	Resp: Lower	Upper
149	100		
177	19.4	16.1	24.1
150	11.8	9.4	14.2

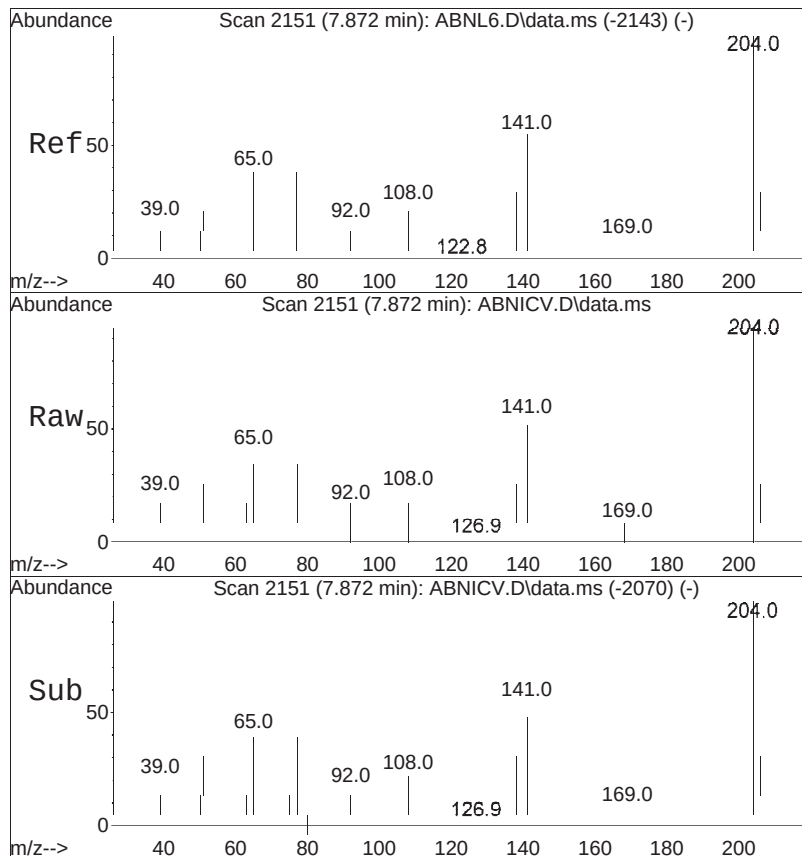




#73
 Fluorene
 Concen: 4.57 ug/ml
 RT: 7.844 min Scan# 2142
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

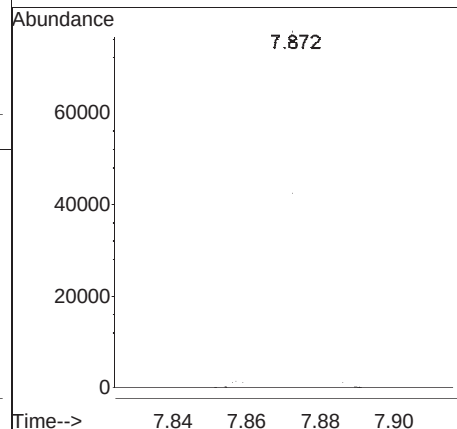
Tgt	Ion:166	Resp:	131518
Ion	Ratio	Lower	Upper
166	100		
165	103.2	76.2	114.2
167	13.6	10.6	15.8

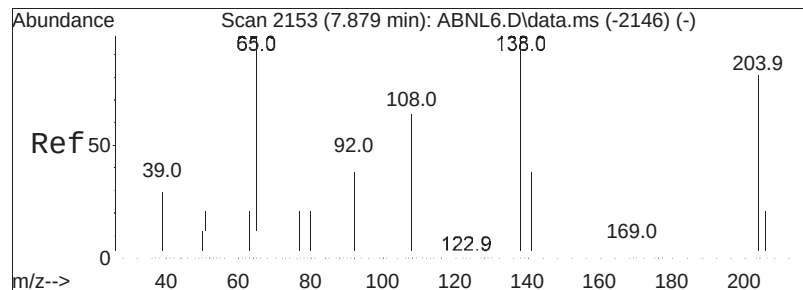




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.54 ug/ml
 RT: 7.872 min Scan# 2151
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

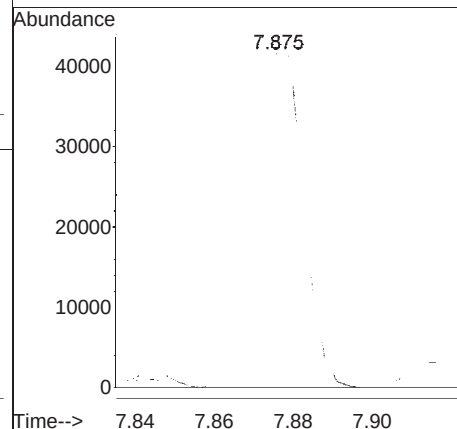
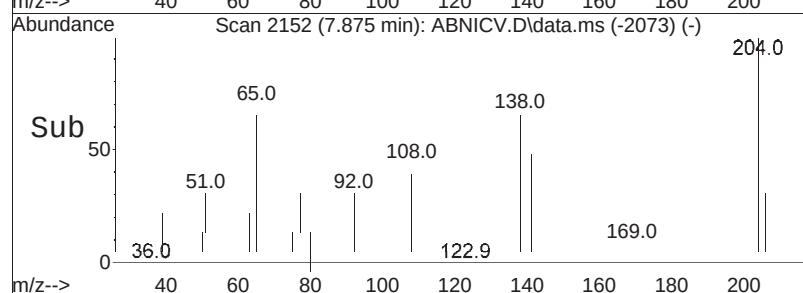
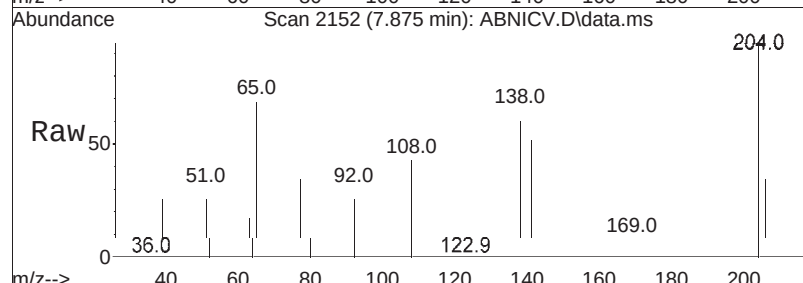
Tgt Ion:	204	Resp:	62071
Ion Ratio	Lower	Upper	
204	100		
206	32.5	25.8	38.6
141	56.5	53.6	80.4

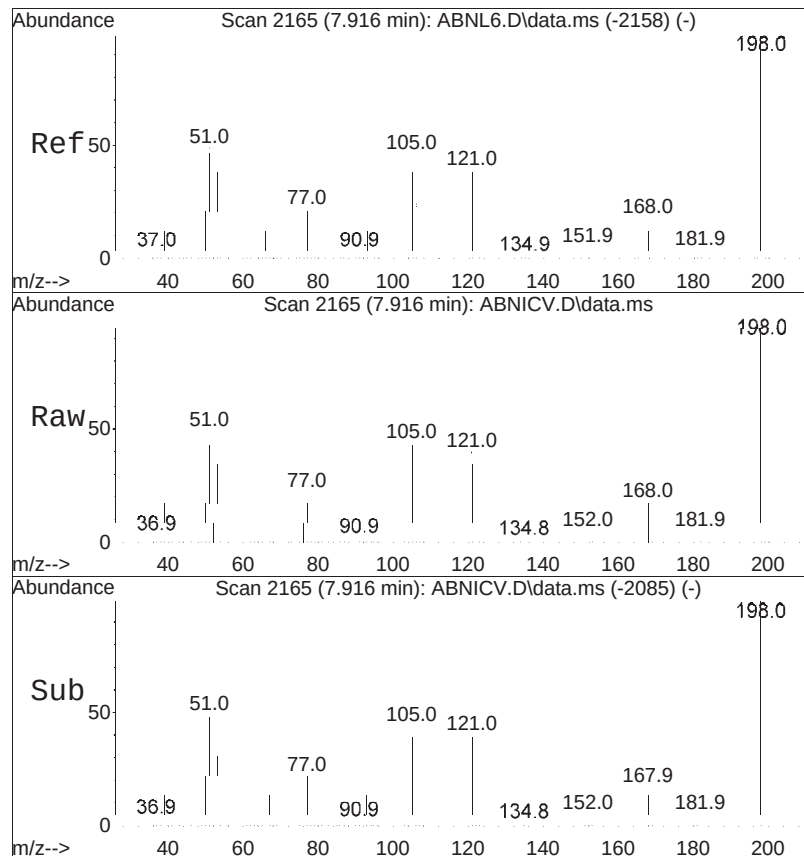




#75
 4-Nitroaniline
 Concen: 4.82 ug/ml
 RT: 7.875 min Scan# 2152
 Delta R.T. -0.004 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

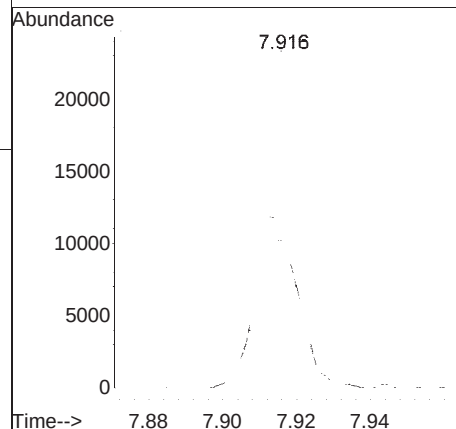
Tgt Ion:	138	Resp:	32255
Ion Ratio	Lower	Upper	
138	100		
108	68.5	52.1	78.1
65	110.8	115.0	172.6#

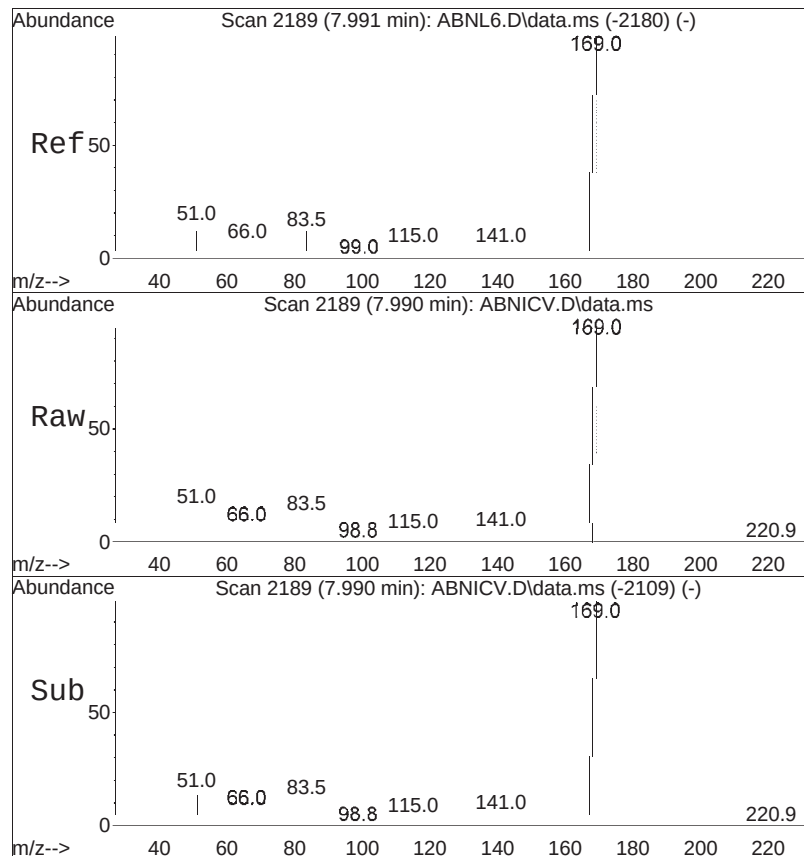




#76
 4,6-Dinitro-o-cresol
 Concen: 4.43 ug/ml
 RT: 7.916 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

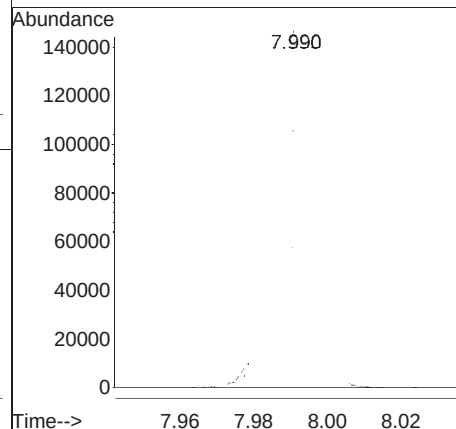
Tgt Ion:	198	Resp:	18815
Ion Ratio	Lower	Upper	
198	100		
51	51.3	76.0	114.0#
105	46.6	45.6	68.4

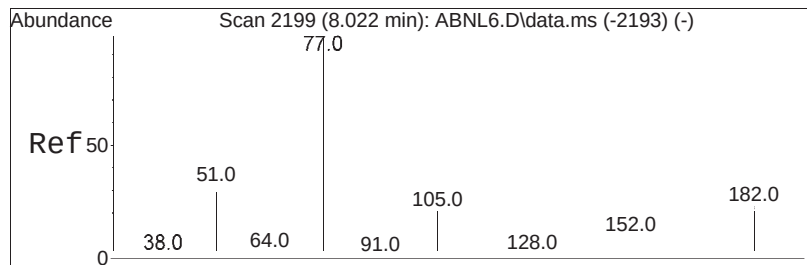




#77
 NDPA/DPA
 Concen: 4.73 ug/ml
 RT: 7.990 min Scan# 2189
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

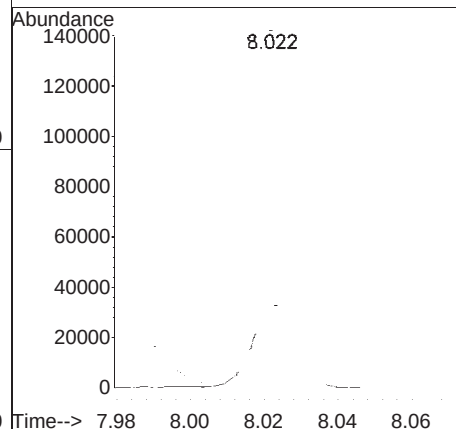
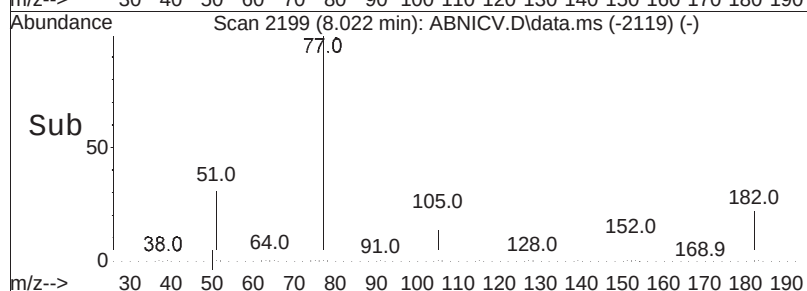
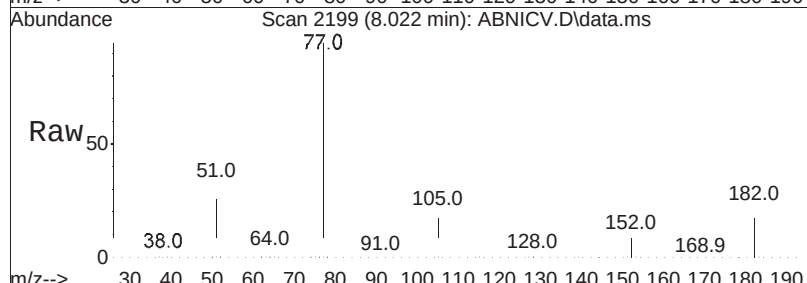
Tgt Ion:	169	Resp:	113782
Ion Ratio	Lower	Upper	
169	100		
168	72.4	54.0	81.0
167	38.9	28.6	42.8

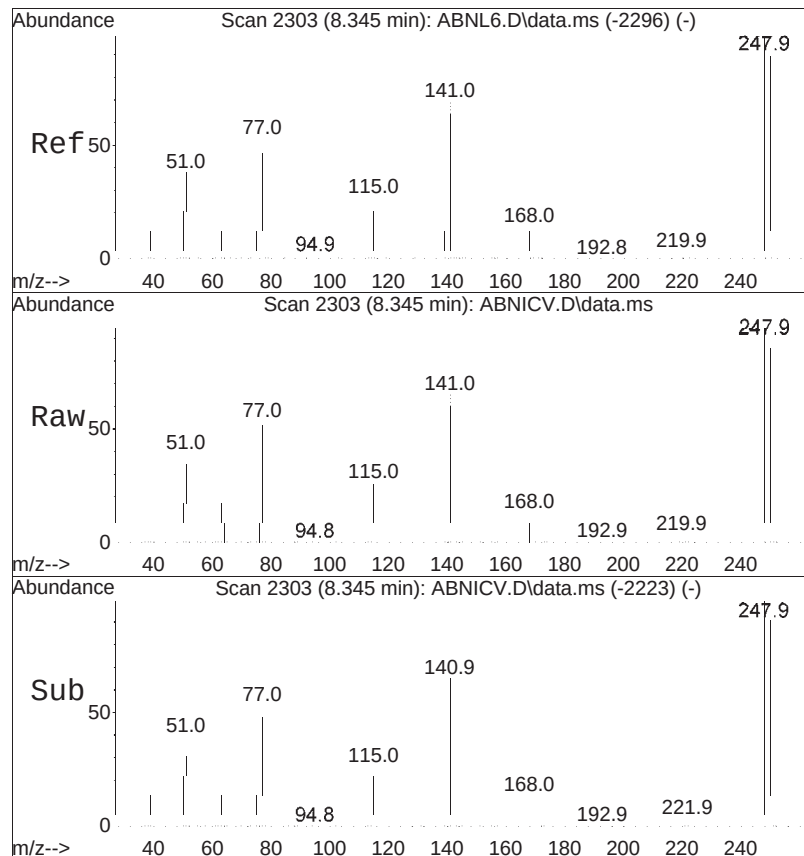




#78
 Azobenzene
 Concen: 4.78 ug/ml
 RT: 8.022 min Scan# 2199
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

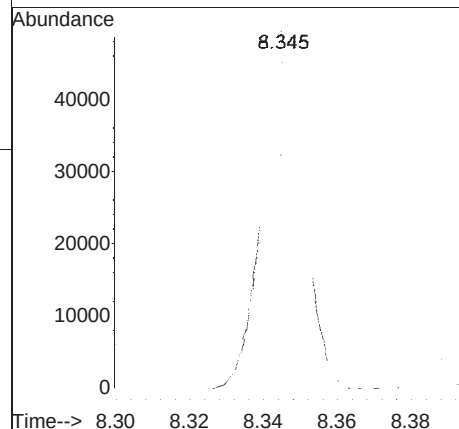
Tgt Ion:	77	Resp:	120724
Ion Ratio	Lower	Upper	
77	100		
182	23.1	17.4	26.2
105	21.4	15.4	23.2

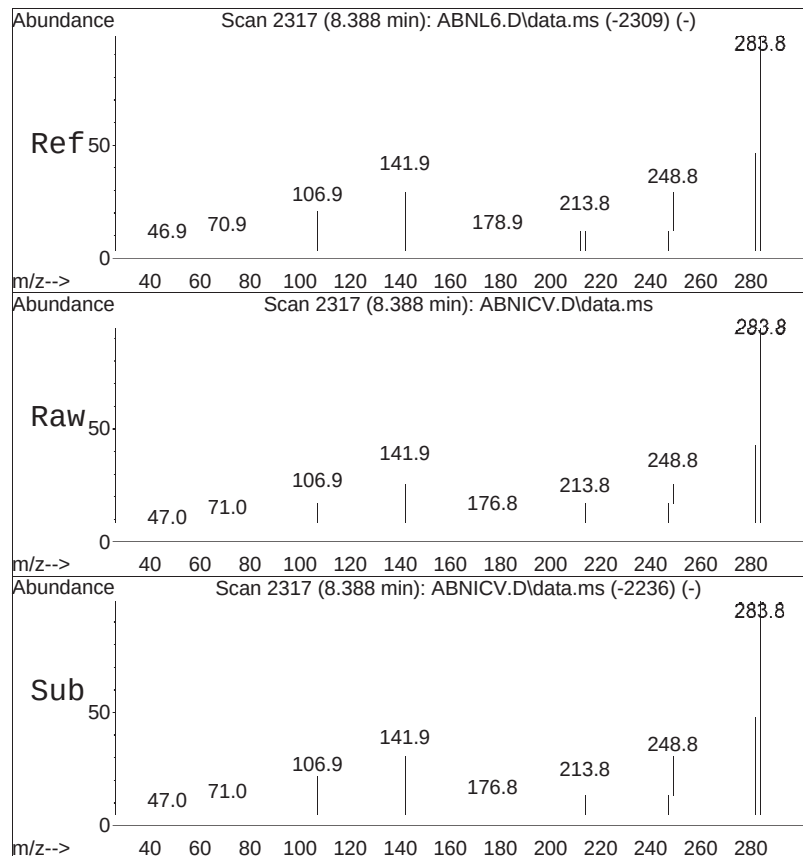




#80
 4-Bromophenyl phenyl ether
 Concen: 4.52 ug/ml
 RT: 8.345 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

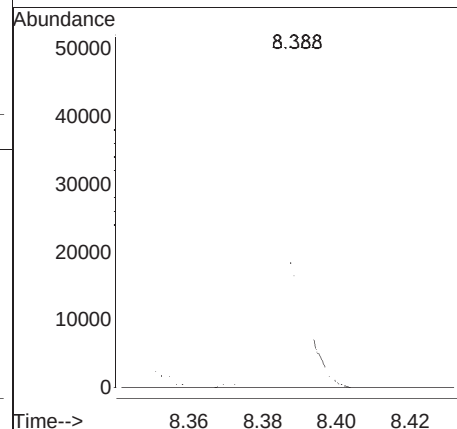
Tgt Ion:	248	Resp:	38130
Ion Ratio	Lower	Upper	
248	100		
141	67.9	76.6	114.8#
250	93.3	77.3	115.9

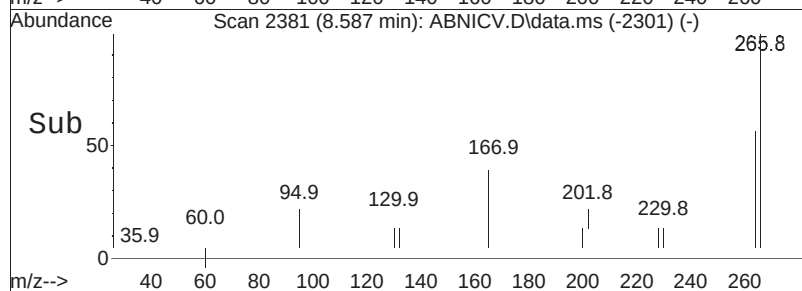
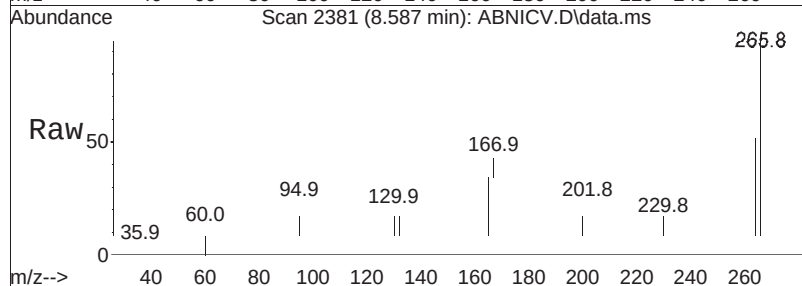
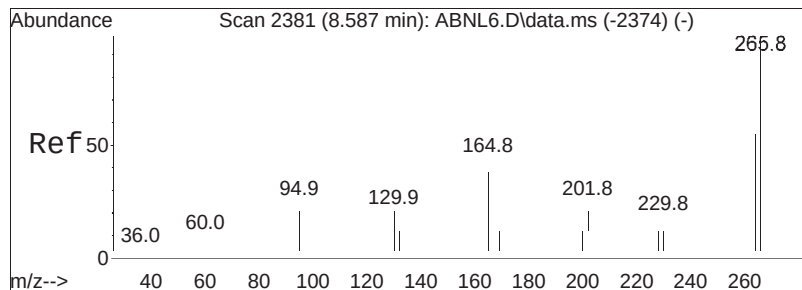




#81
 Hexachlorobenzene
 Concen: 4.55 ug/ml
 RT: 8.388 min Scan# 2317
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

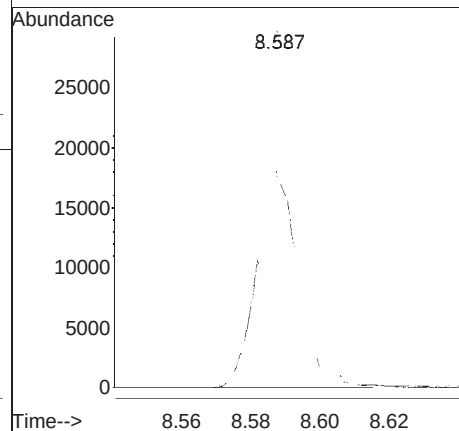
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.4	41.9	62.9#
249	31.2	24.1	36.1

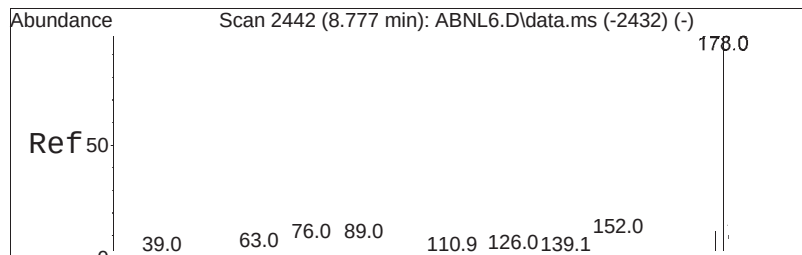




#82
 Pentachlorophenol
 Concen: 4.30 ug/ml
 RT: 8.587 min Scan# 2381
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

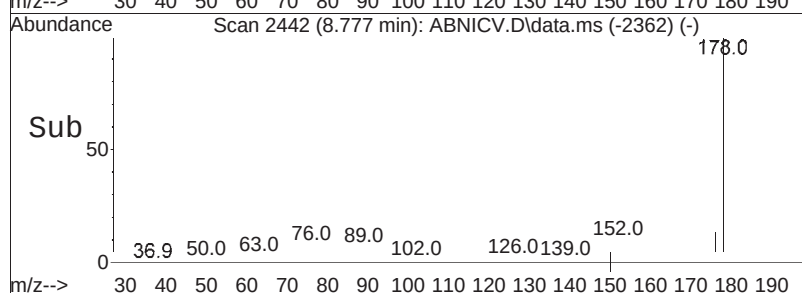
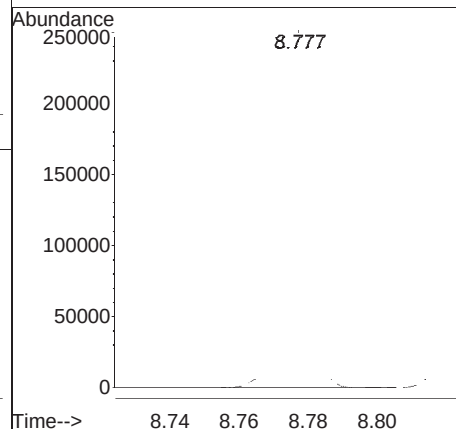
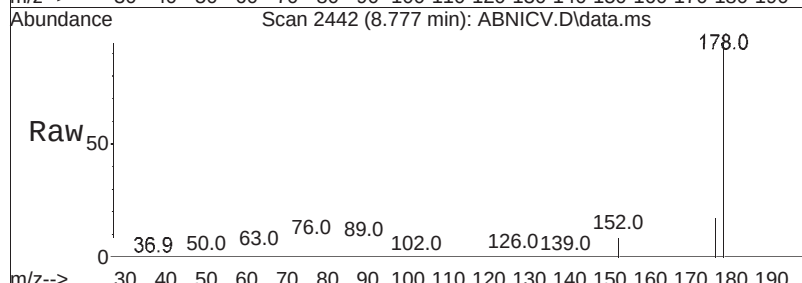
Tgt Ion:	266	Resp:	23880
Ion Ratio	Lower	Upper	
266	100		
264	61.4	49.7	74.5
268	64.5	50.5	75.7

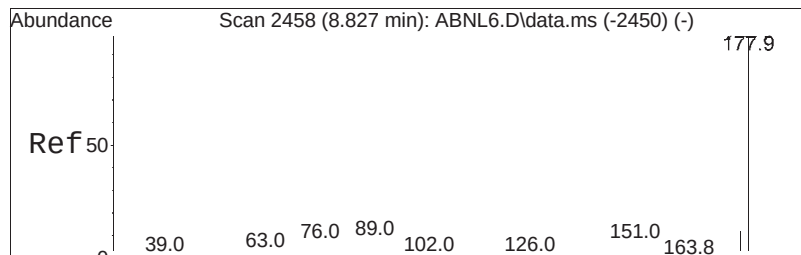




#89
 Phenanthrene
 Concen: 4.50 ug/ml
 RT: 8.777 min Scan# 2442
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

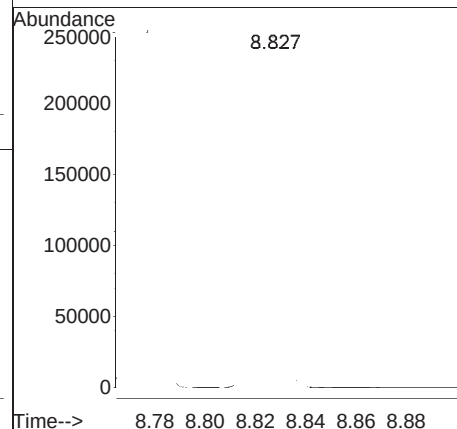
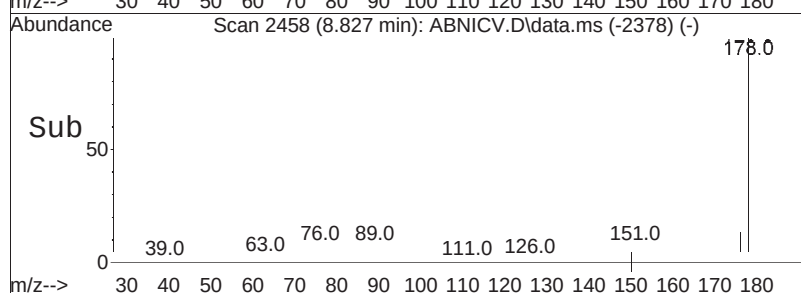
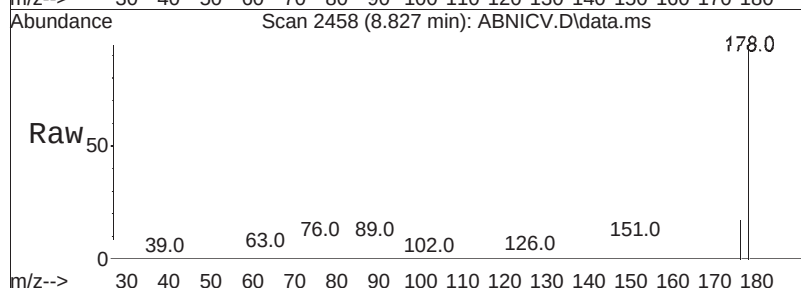
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	19.5	15.4	23.2

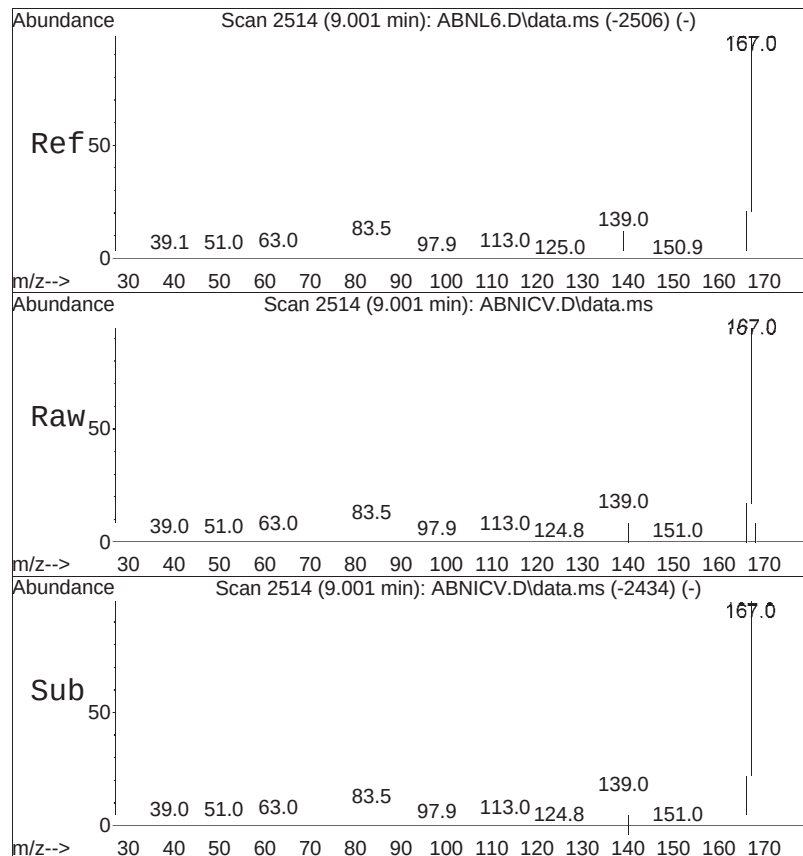




#90
 Anthracene
 Concen: 4.64 ug/ml
 RT: 8.827 min Scan# 2458
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

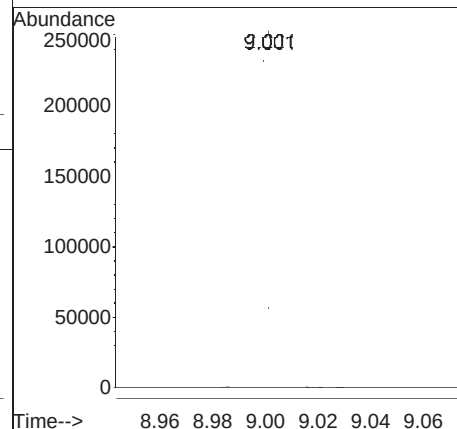
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.0	18.0
176	18.9	14.6	22.0

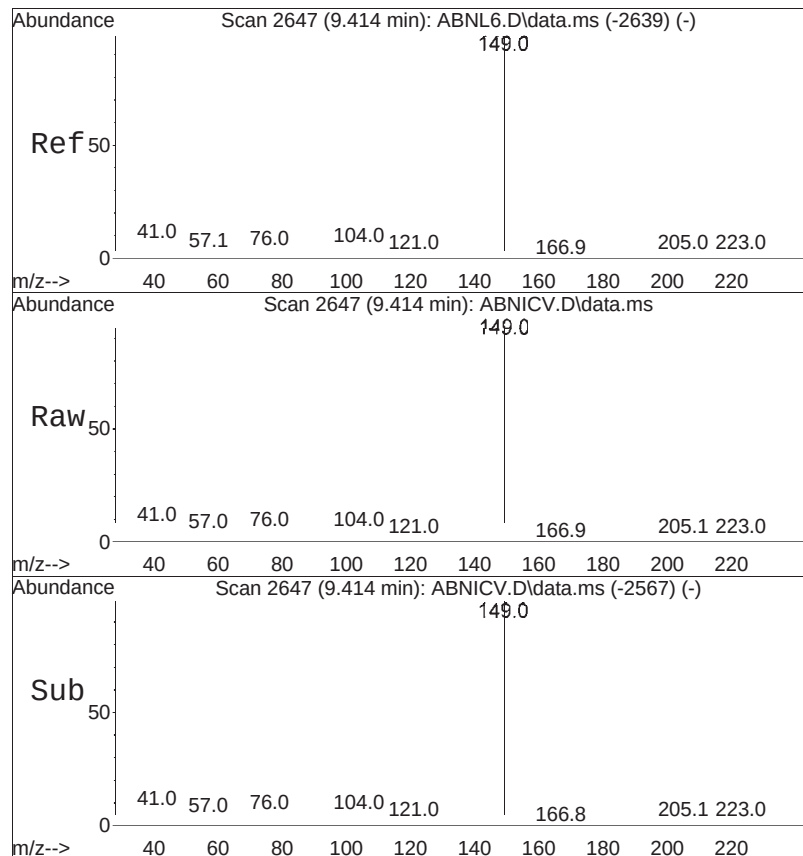




#91
 Carbazole
 Concen: 4.76 ug/ml
 RT: 9.001 min Scan# 2514
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

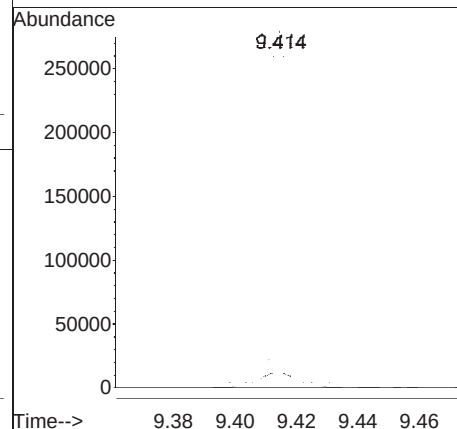
Tgt Ion	Ratio	Lower	Upper
167	100		
168	14.0	10.6	15.8
166	22.5	17.4	26.0

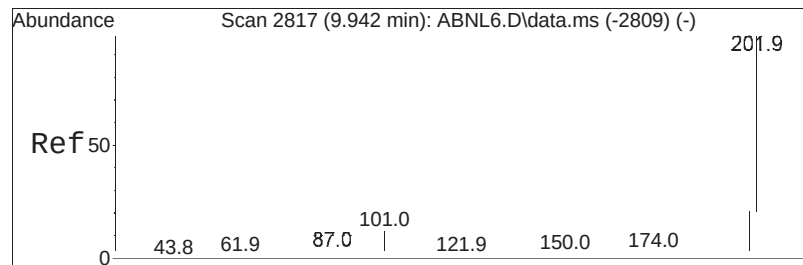




#92
 Di-n-butylphthalate
 Concen: 4.75 ug/ml
 RT: 9.414 min Scan# 2647
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

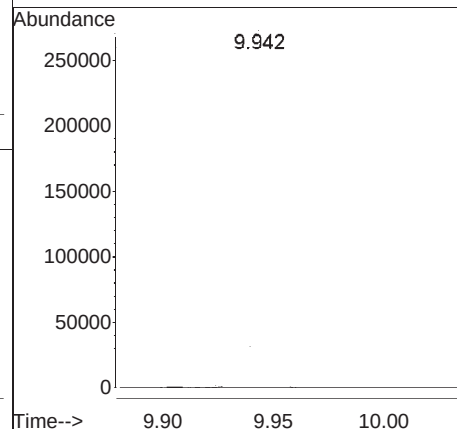
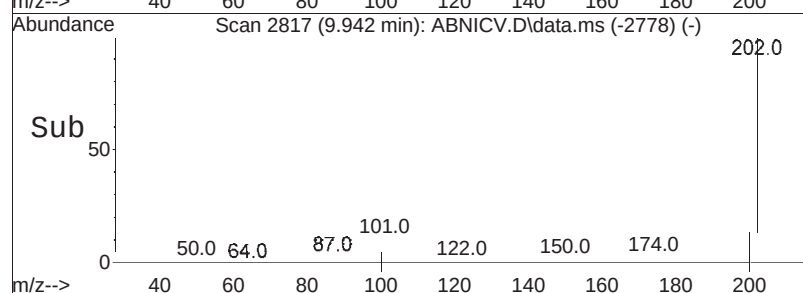
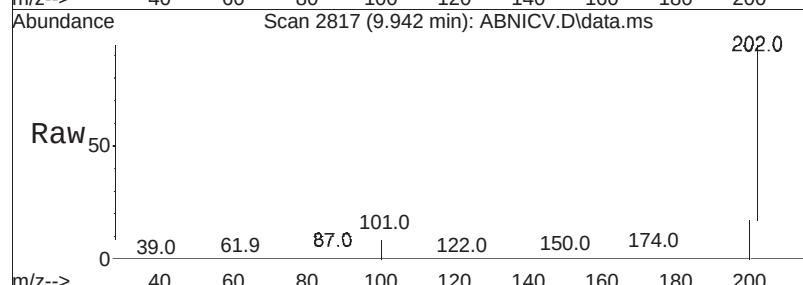
Tgt Ion	Ion:149	Resp:	228103
Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	4.5	4.5	6.7

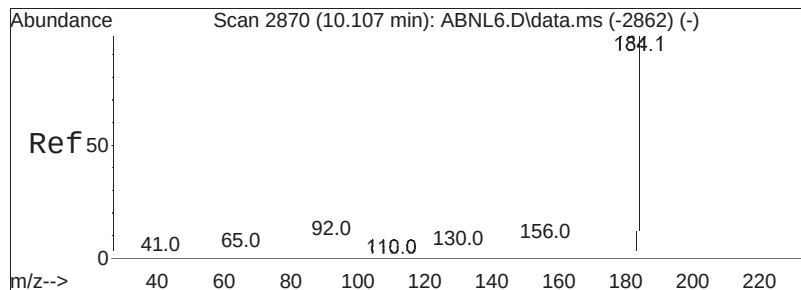




#93
 Fluoranthene
 Concen: 4.64 ug/ml
 RT: 9.942 min Scan# 2817
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

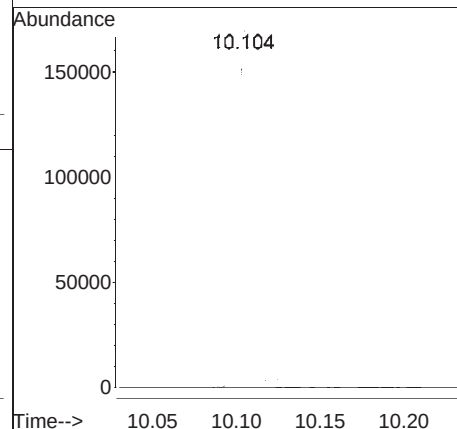
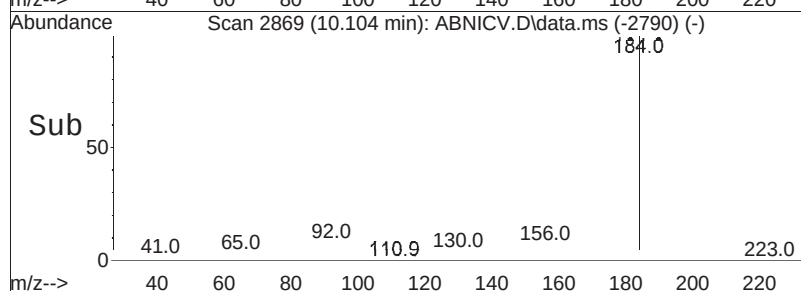
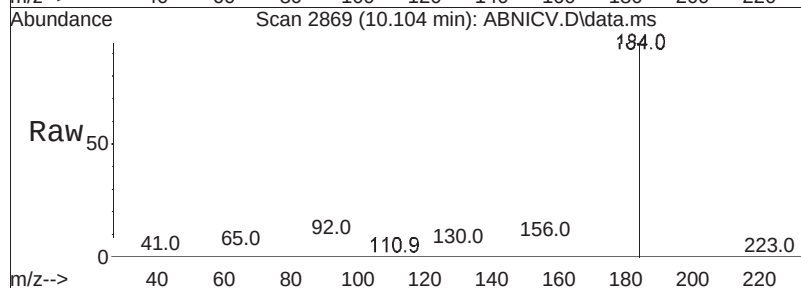
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	227666		
101	11.9	13.5	20.3	#
203	17.6	13.6	20.4	

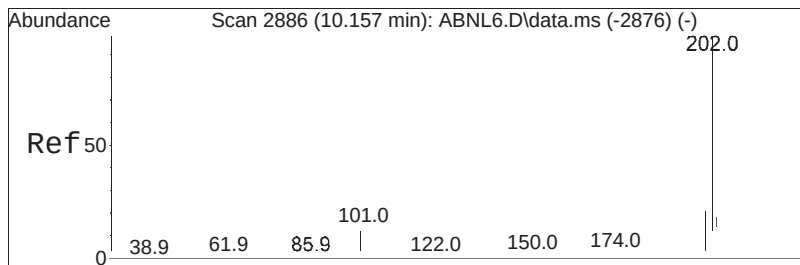




#94
Benzidine
Concen: 4.55 ug/ml
RT: 10.104 min Scan# 2869
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 27 Aug 2025 11:33 pm

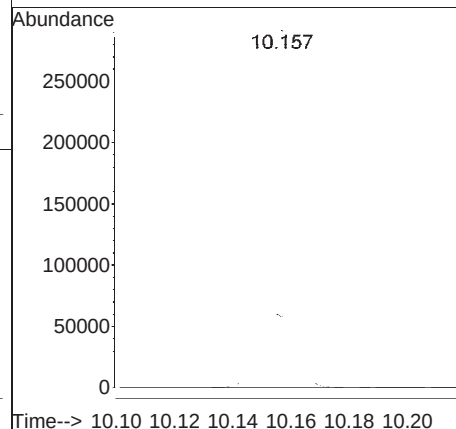
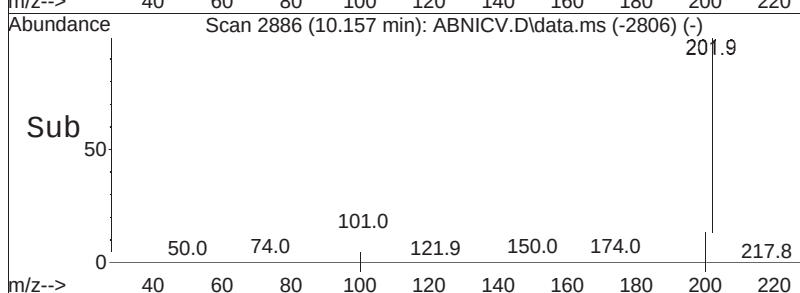
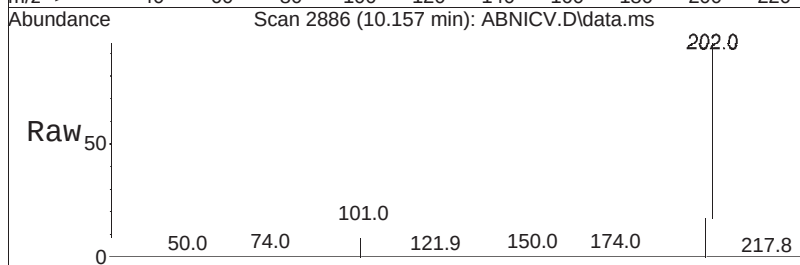
Tgt Ion	Ratio	Lower	Upper
184	100		
92	7.5	9.1	13.7#
185	14.0	11.1	16.7

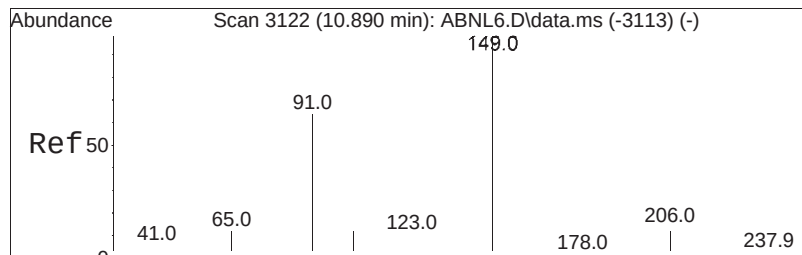




#95
 Pyrene
 Concen: 4.66 ug/ml
 RT: 10.157 min Scan# 2886
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

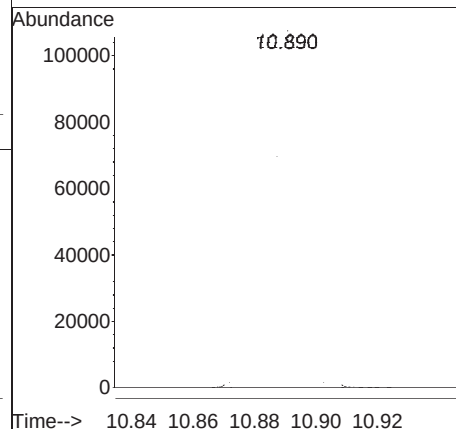
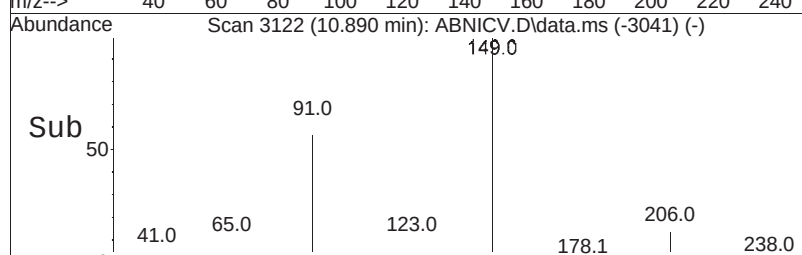
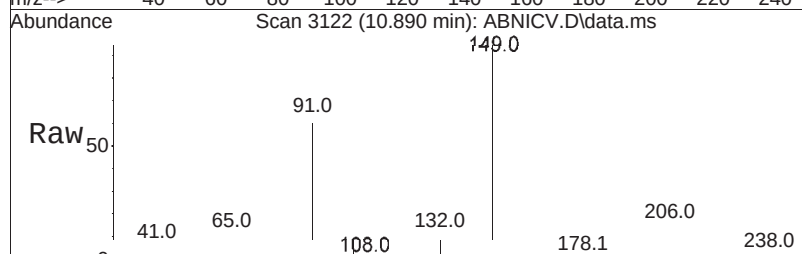
Tgt Ion:	202	Resp:	243958
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.7	25.1
203	17.4	14.2	21.4

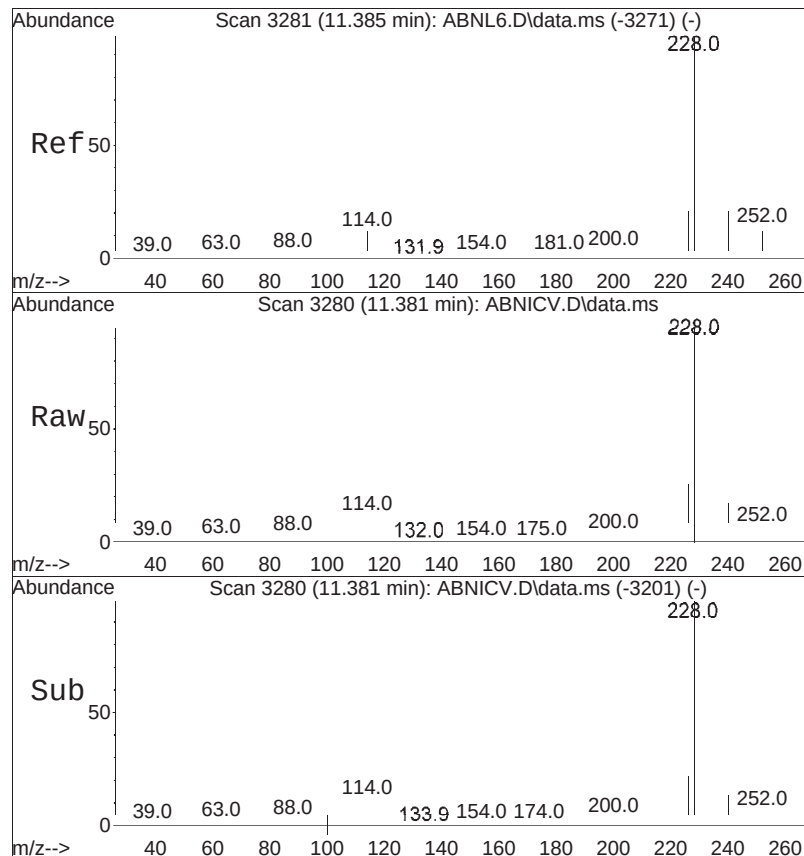




#97
 Butyl benzyl phthalate
 Concen: 4.76 ug/ml
 RT: 10.890 min Scan# 3122
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

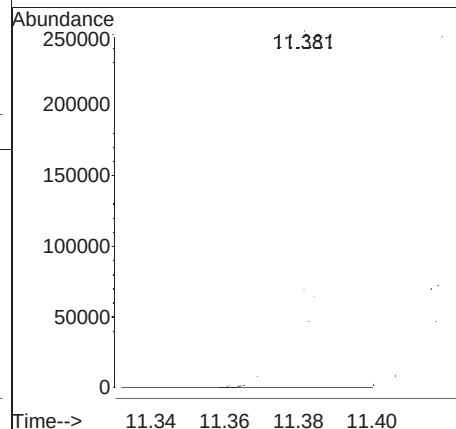
Tgt Ion:	149	Resp:	95520
Ion Ratio	Lower	Upper	
149	100		
91	66.4	63.3	94.9
206	15.2	13.9	20.9

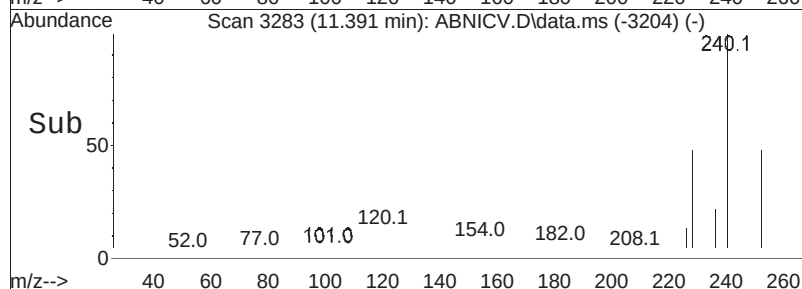
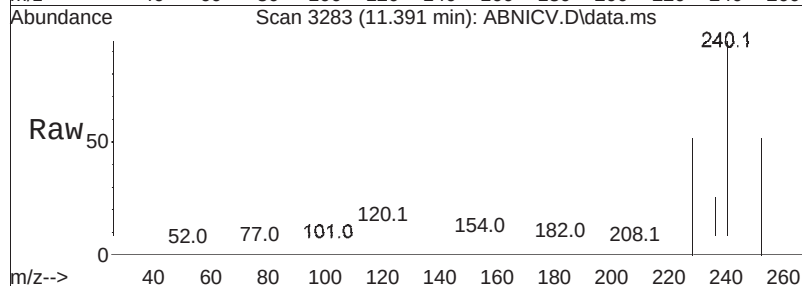
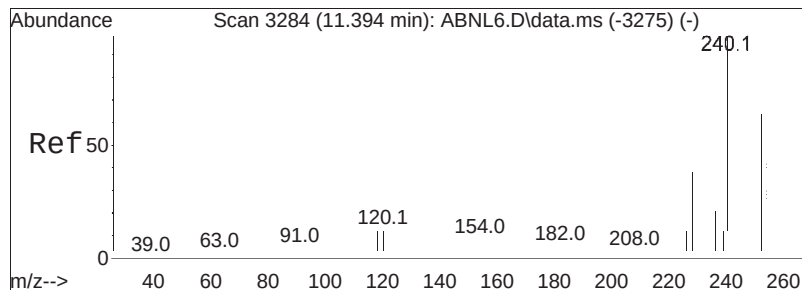




#105
 Benzo(a)anthracene
 Concen: 4.65 ug/ml
 RT: 11.381 min Scan# 3280
 Delta R.T. -0.004 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

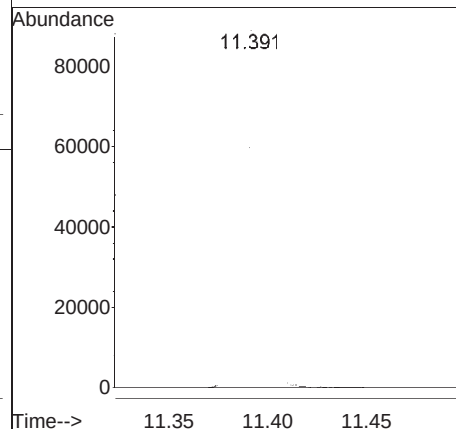
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	238200		
226	27.8		22.2	33.4
229	19.6		15.6	23.4

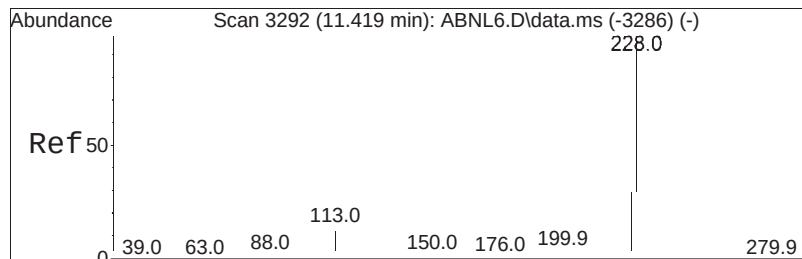




#106
 3,3'-Dichlorobenzidine
 Concen: 4.71 ug/ml
 RT: 11.391 min Scan# 3283
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

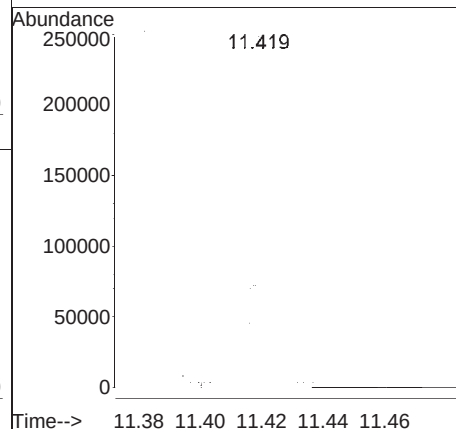
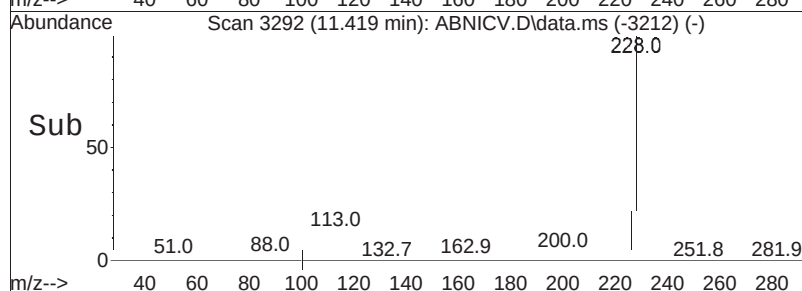
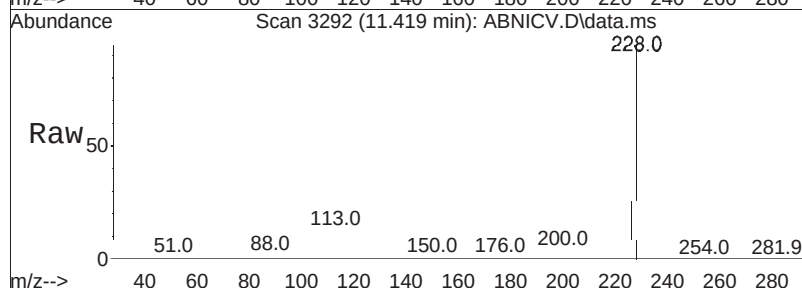
Tgt Ion	Ratio	Lower	Upper
252	100		
126	14.9	14.5	21.7
254	64.7	51.2	76.8

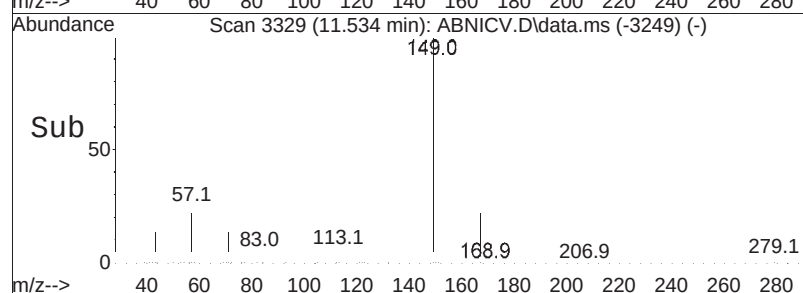
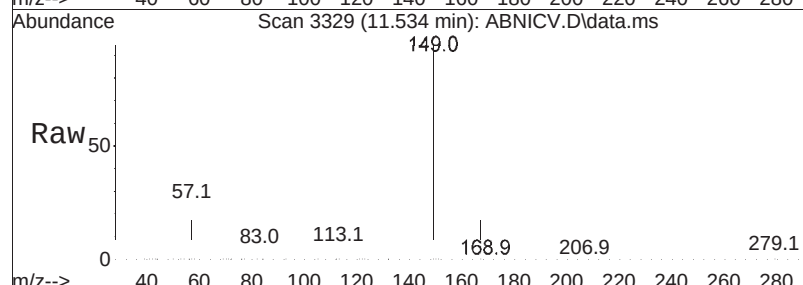
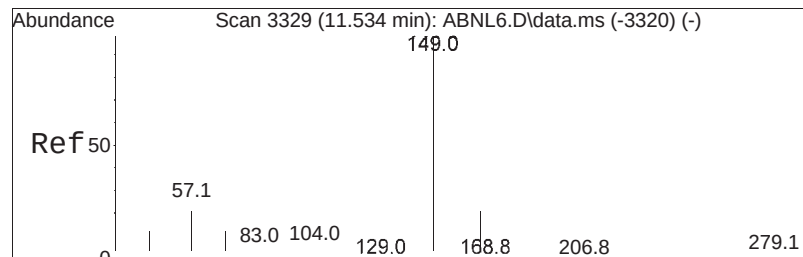




#107
 Chrysene
 Concen: 4.46 ug/ml
 RT: 11.419 min Scan# 3292
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

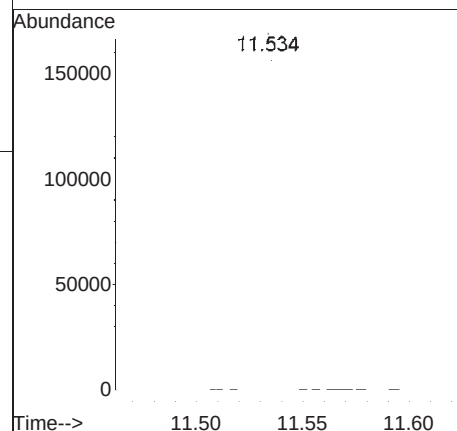
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.5	15.8	23.8

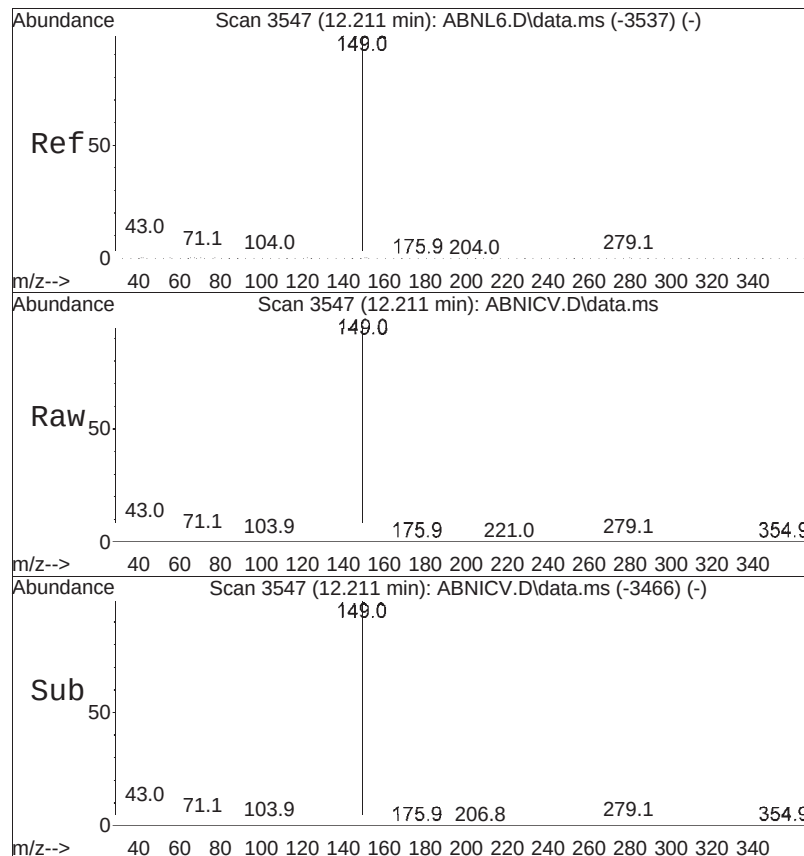




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.95 ug/ml
 RT: 11.534 min Scan# 3329
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

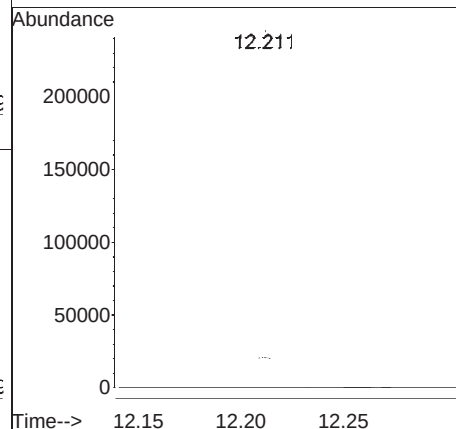
Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	22.6	22.1	33.1
279	2.2	3.0	4.4#

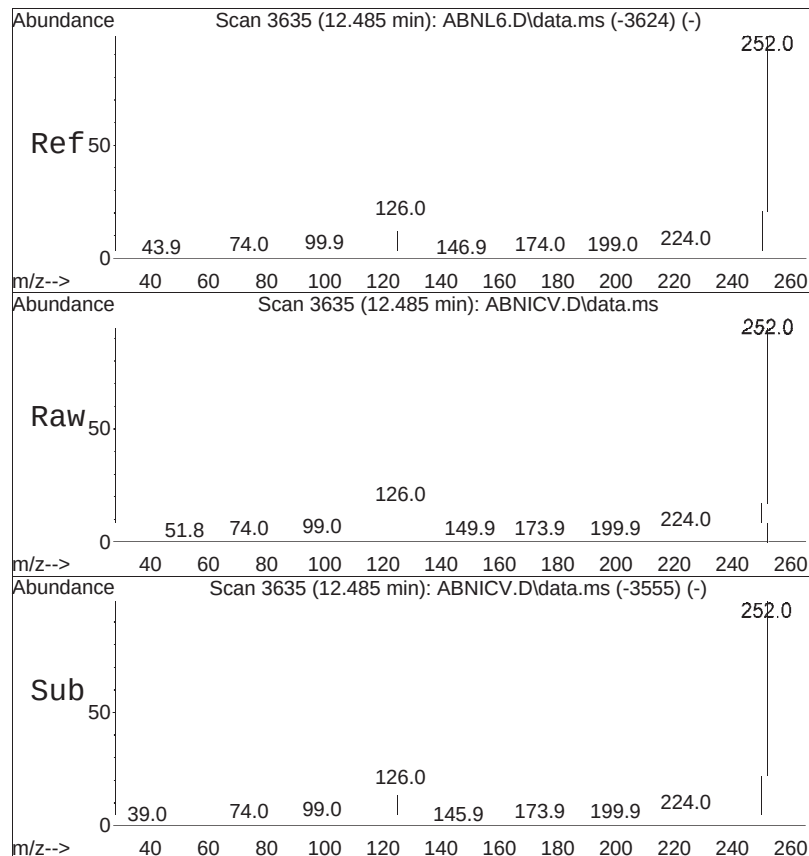




#109
 Di-n-octylphthalate
 Concen: 4.70 ug/ml
 RT: 12.211 min Scan# 3547
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

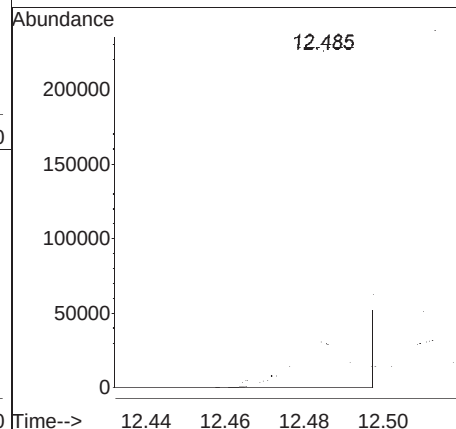
Tgt Ion	149	Resp	253404
Ion Ratio	Lower	Upper	
149	100		
43	9.3	18.8	28.2#
167	1.3	1.3	1.9

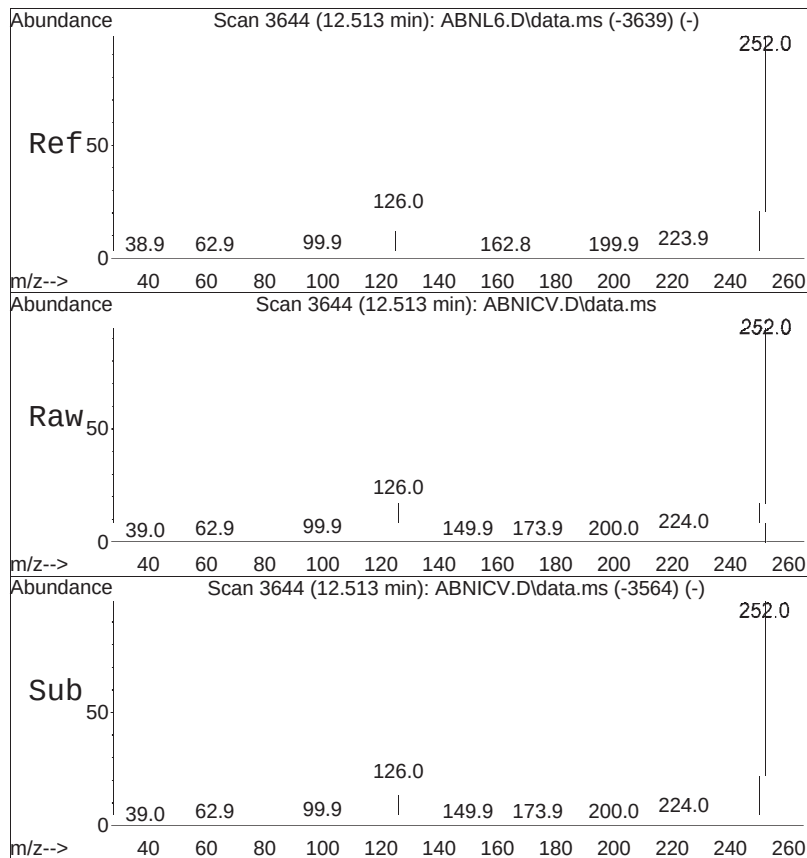




#110
 Benzo(b)fluoranthene
 Concen: 4.70 ug/ml
 RT: 12.485 min Scan# 3635
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

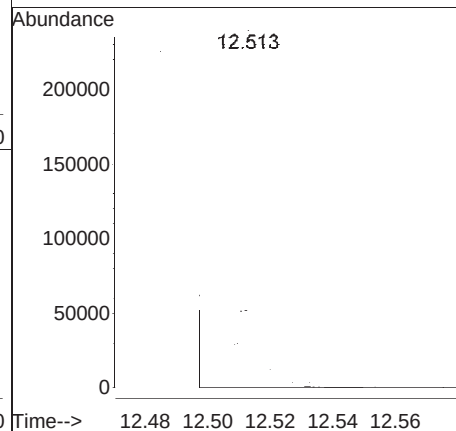
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	227992		
125	13.6		13.3	19.9
253	21.6		17.1	25.7

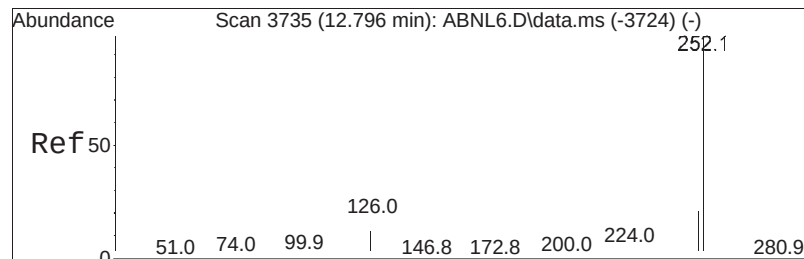




#111
 Benzo(k)fluoranthene
 Concen: 4.74 ug/ml M3
 RT: 12.513 min Scan# 3644
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

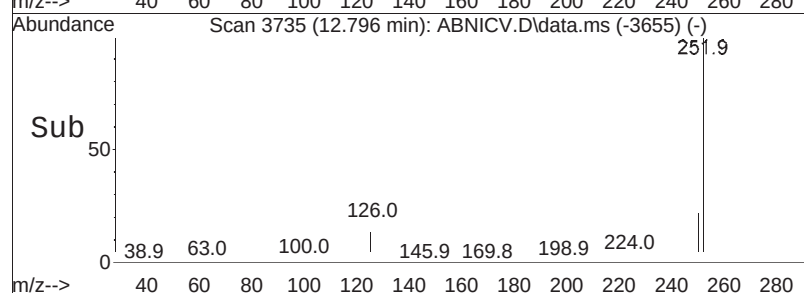
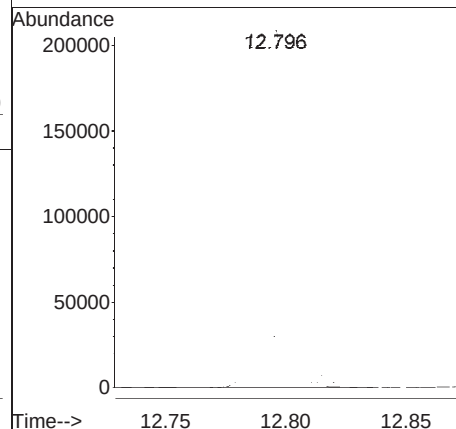
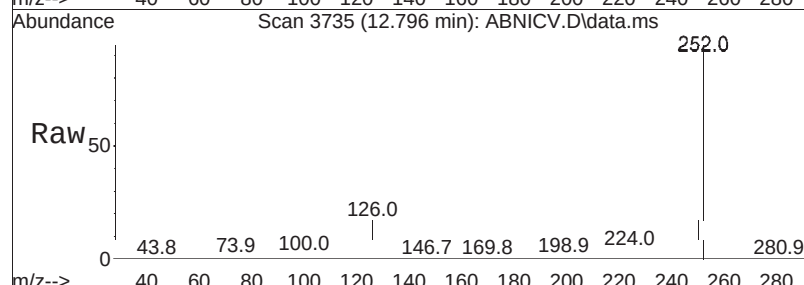
Tgt Ion	Ratio	Lower	Upper
252	100		
125	13.3	13.0	19.6
253	21.0	16.8	25.2

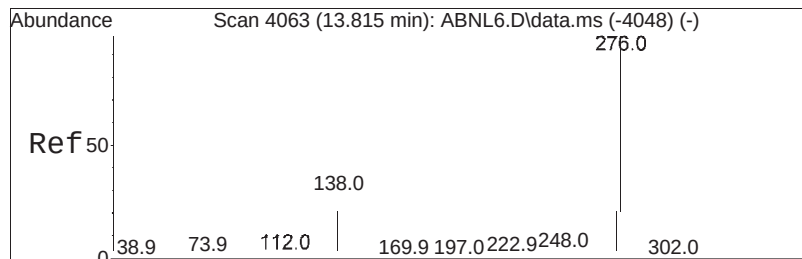




#112
 Benzo(a)pyrene
 Concen: 4.75 ug/ml
 RT: 12.796 min Scan# 3735
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

Tgt	Ion:252	Resp:	215944
Ion	Ratio	Lower	Upper
252	100		
125	14.3	14.2	21.2
253	21.8	16.9	25.3





#114

Indeno(1,2,3-cd)pyrene

Concen: 4.54 ug/mL

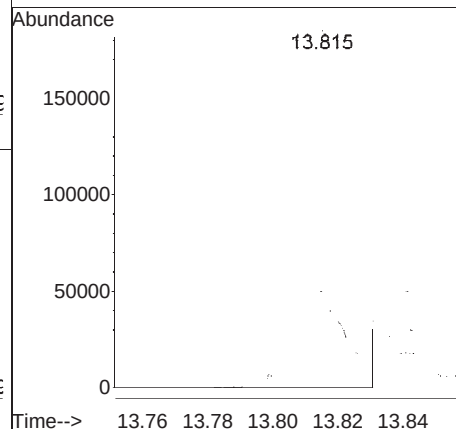
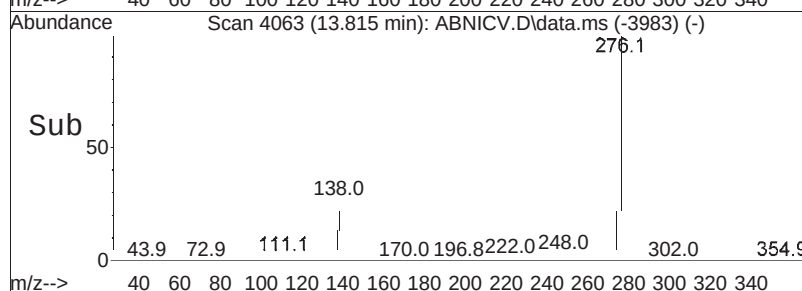
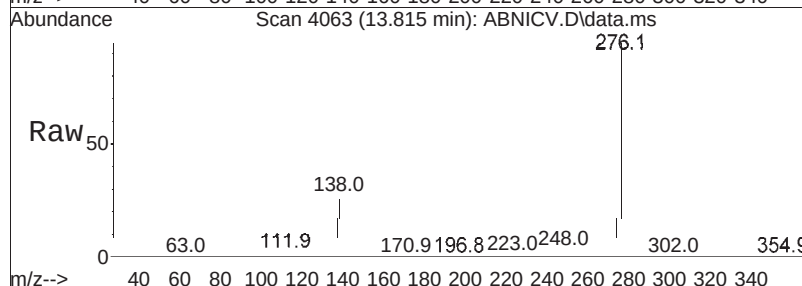
RT: 13.815 min Scan# 4063

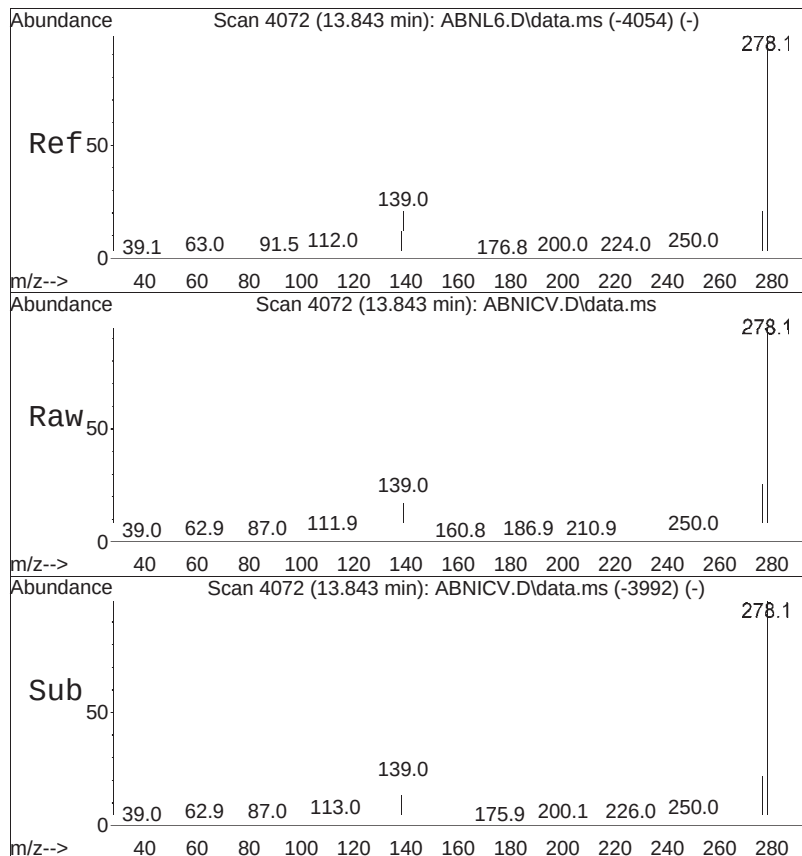
Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 27 Aug 2025 11:33 pm

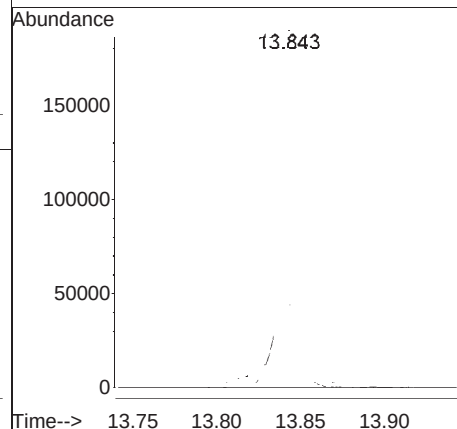
Tgt Ion:	276	Resp:	207533
Ion Ratio	Lower	Upper	
276	100		
138	27.0	25.1	37.7
277	24.4	18.6	28.0

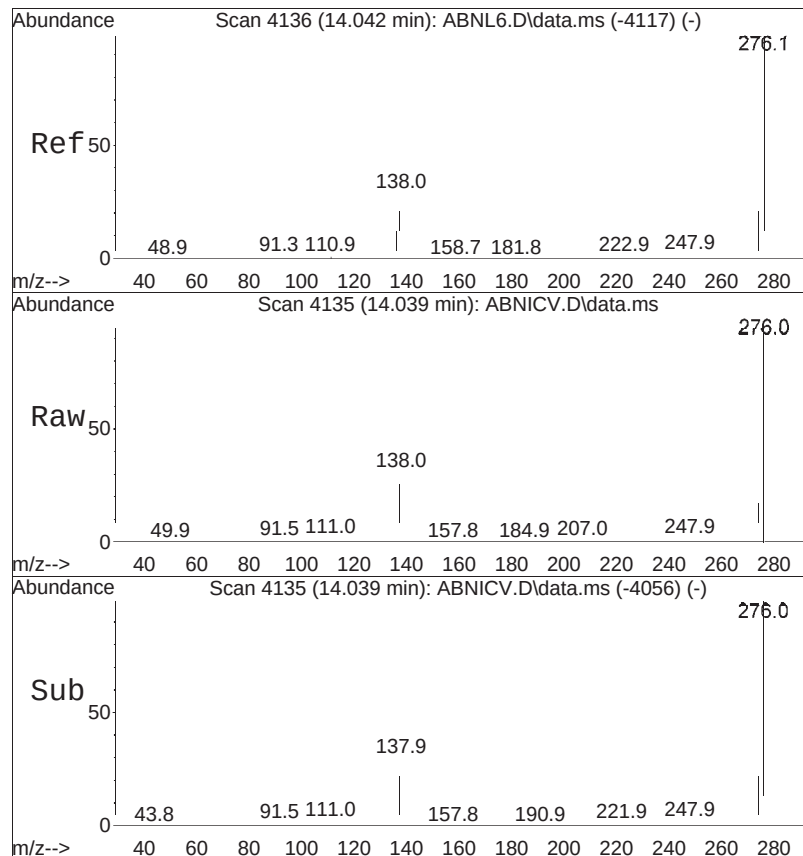




#115
 Dibenzo(a,h)anthracene
 Concen: 4.61 ug/ml
 RT: 13.843 min Scan# 4072
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

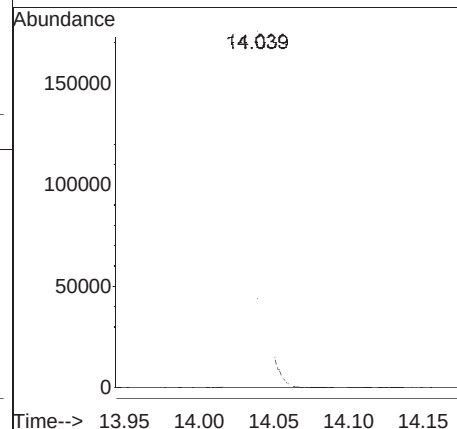
Tgt Ion:	278	Resp:	218203
Ion Ratio	Lower	Upper	
278	100		
139	20.5	20.8	31.2#
279	22.7	18.3	27.5





#116
 Benzo(ghi)perylene
 Concen: 4.53 ug/ml
 RT: 14.039 min Scan# 4135
 Delta R.T. -0.003 min
 Lab File: ABNICV.D
 Acq: 27 Aug 2025 11:33 pm

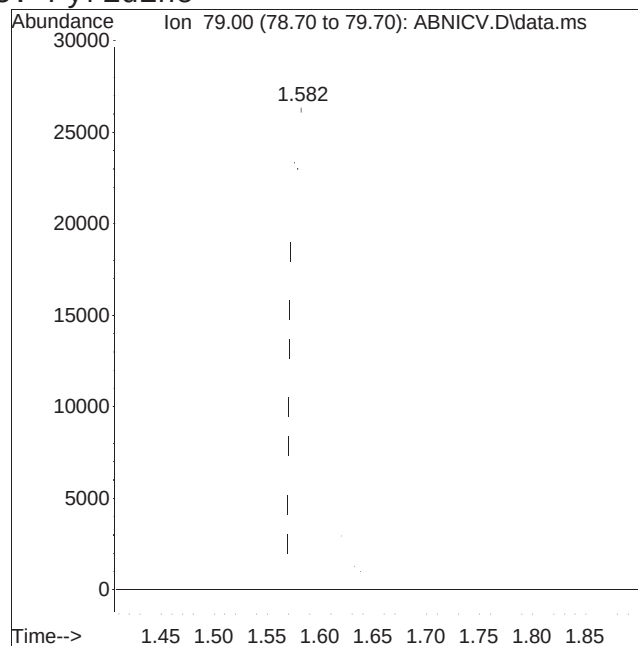
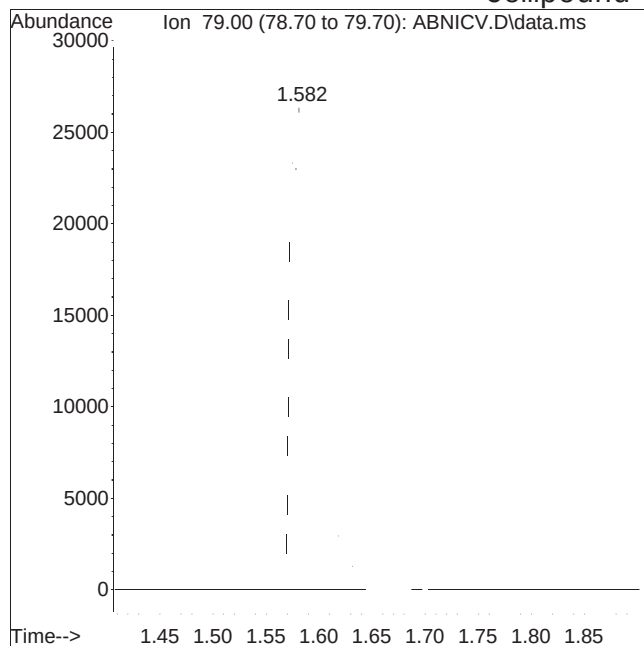
Tgt Ion:	276	Resp:	211143
Ion Ratio	Lower	Upper	
276	100		
138	30.1	29.2	43.8
277	24.2	18.8	28.2



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNICV.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:33 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 119Quant Date

Compound #3: Pyridine



Original Peak Response = 43861

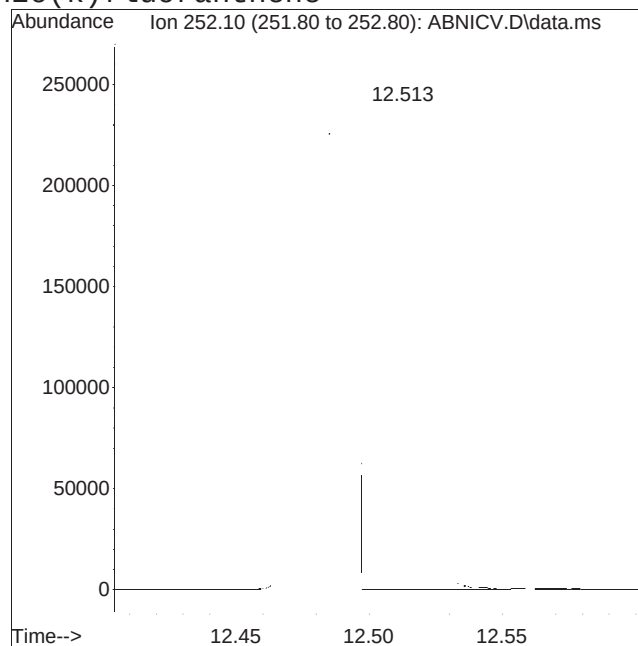
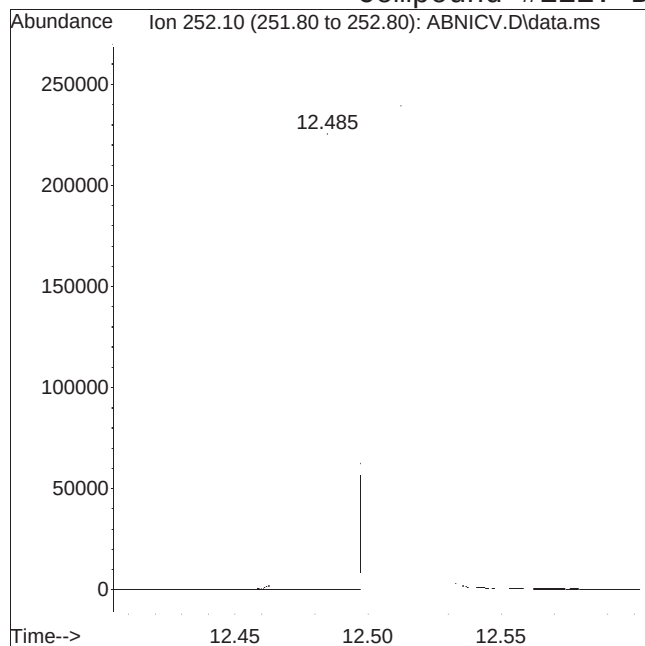
Manual Peak Response = 44894 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ABNICV.D Operator : SV106:smz
Date Inj'd : 8/27/2025 11:33 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 119 Quant Date

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 227992

Manual Peak Response = 234496 M3

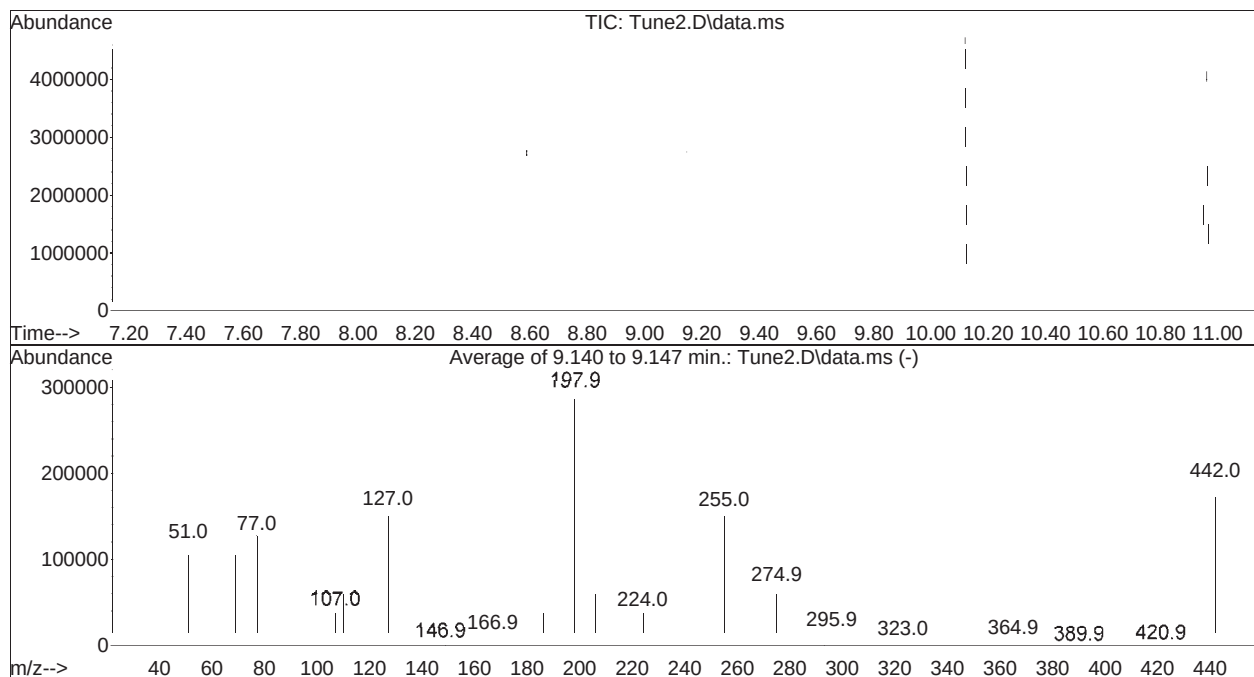
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

DFTPP

Data Path : I:\8270\SV106\250827ICAL\
Data File : Tune2.D
Acq On : 27 Aug 2025 11:54 pm
Operator : SV106:smz
Sample : Tune2 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025



Spectrum Information: Average of 9.140 to 9.147 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.0	119432	PASS
68	69	0.00	2	1.8	2150	PASS
69	69	100	100	100.0	121643	PASS
70	69	0.00	2	0.4	542	PASS
127	198	10	80	51.4	157589	PASS
197	198	0.00	2	0.3	980	PASS
198	198	100	100	100.0	306581	PASS
199	198	5	9	6.9	21275	PASS
275	198	10	60	22.7	69531	PASS
365	198	1	100	2.5	7623	PASS
441	442	0.01	24	16.9	32248	PASS
442	198	50	100	62.2	190656	PASS
443	442	15	24	19.9	37995	PASS

Data Path : I:\8270\SV106\250827\ICAL\

Data File : Tune2.D

Acq On : 27 Aug 2025 11:54 pm

Operator : SV106:smz

Sample : Tune2 Lot# 11857

Misc : WG2108428,,

ALS Vial : 141 Sample Multiplier: 1

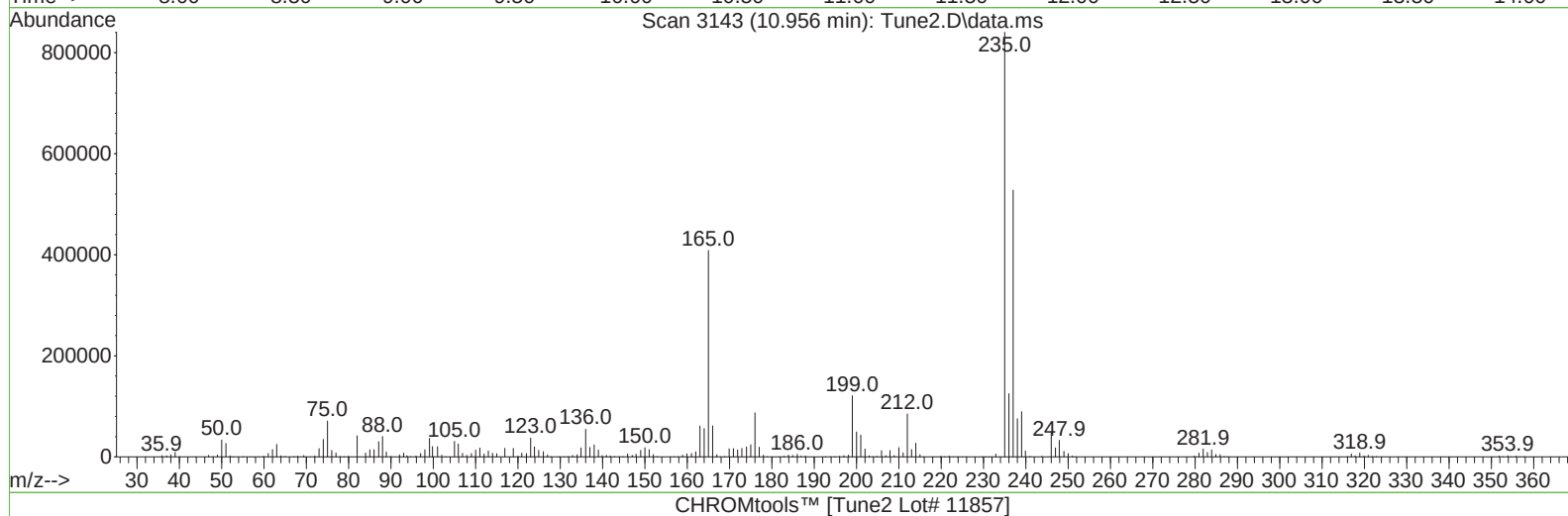
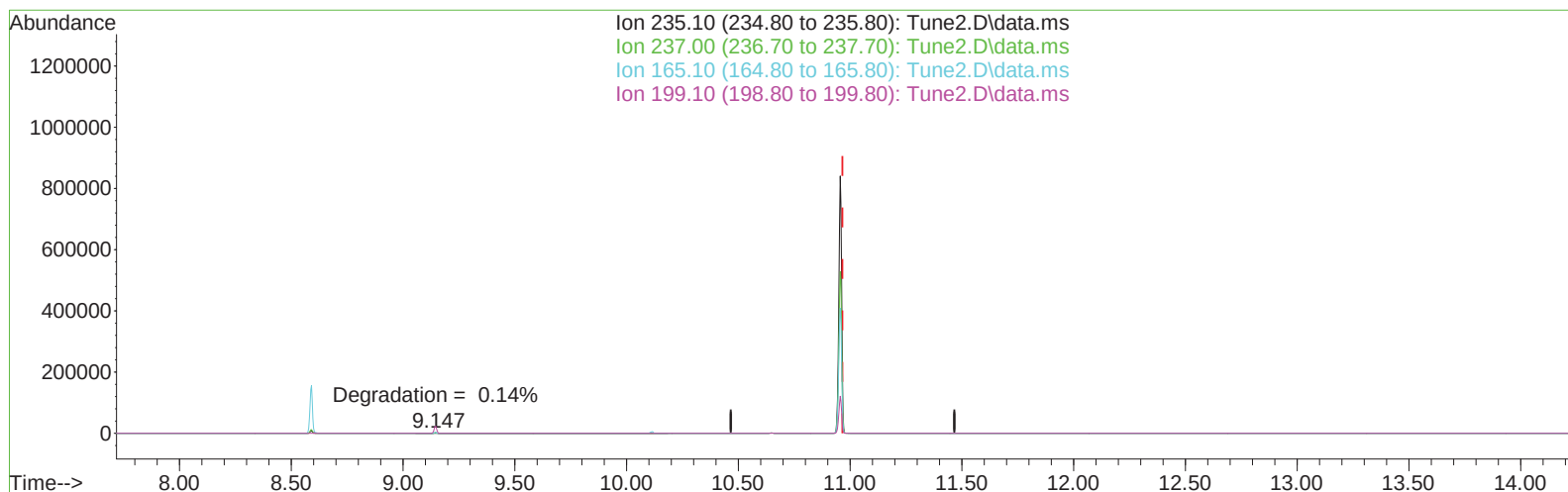
Quant Time: Aug 28 05:29:06 2025

Quant Method : I:\8270\SV106\250827\ICAL\DftppSV106.m

Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Thu Aug 28 05:29:49 2025

sp



CHROMtools™ [Tune2 Lot# 11857]

(6) DDT (T)

10.956min (-0.012) 120.64

response 735365

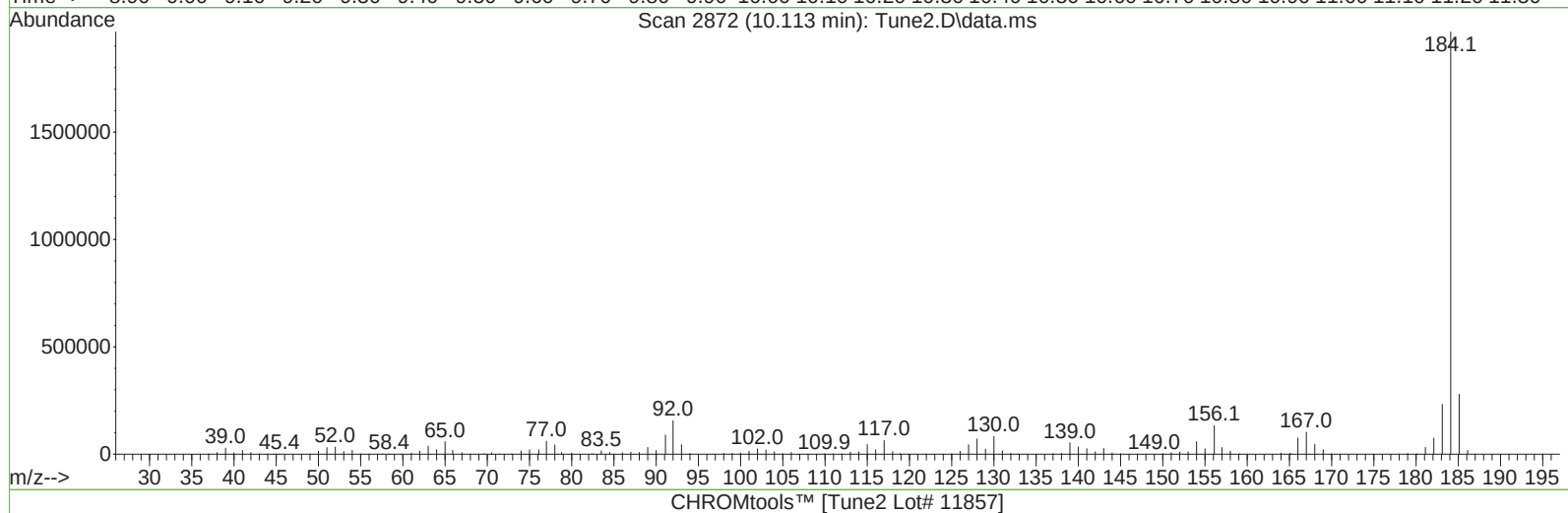
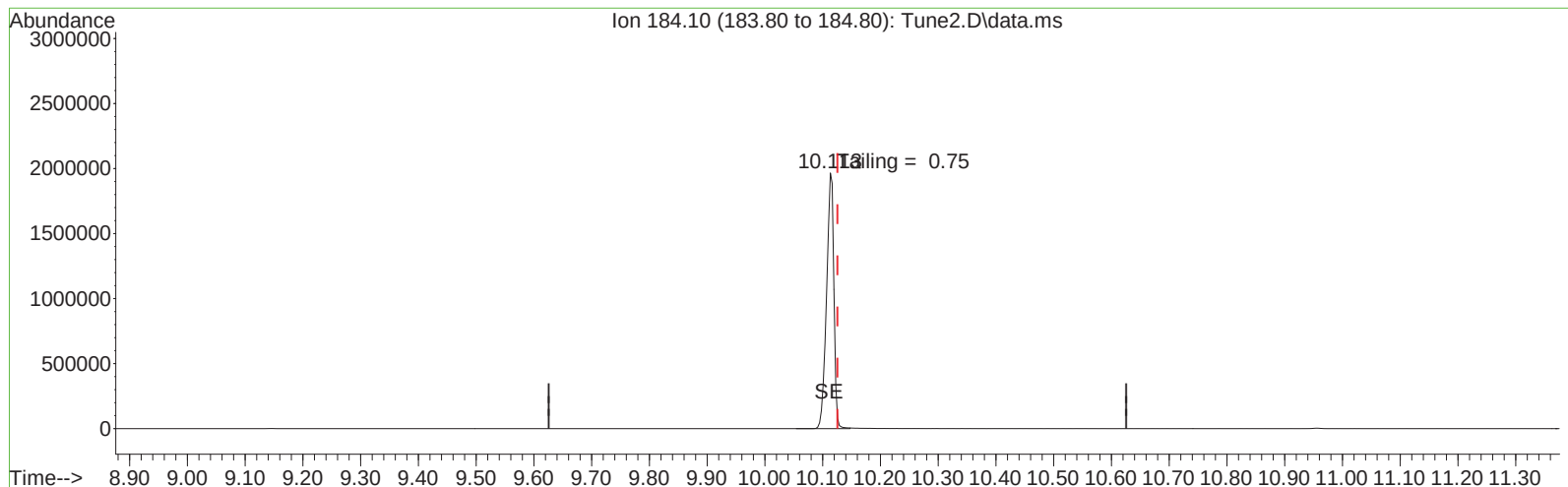
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.52
165.10	44.50	49.81
199.10	14.80	14.22

Duplicate Retention Times

(2) DFTPP 198.00

Data Path : I:\8270\SV106\250827\ICAL\
Data File : Tune2.D
Acq On : 27 Aug 2025 11:54 pm
Operator : SV106:smz
Sample : Tune2 Lot# 11857
Misc : WG2108428,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 28 05:29:06 2025
Quant Method : I:\8270\SV106\250827\ICAL\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 05:29:49 2025
sp



(3) Benzidine (T)

10.113min (-0.013) 170.36

response 1734310

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L9.D
 Acq On : 28 Aug 2025 12:16 am
 Operator : SV106:smz
 Sample : IL2,32,,AP9L50 Lot# 11923
 Misc : WG2108428,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 05:52:35 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31106	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery	=	100.51%	
55) IS2_Naphthalene-d8	5.572	136	125947	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery	=	102.88%	
83) IS2_Acenaphthene-d10	7.307	164	72251	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery	=	102.19%	
98) IS2_Phenanthrene-d10	8.755	188	149084	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery	=	104.73%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	241856	48.192	ug/ml	89
29) Acetophenone	4.727	105	739805	44.842	ug/ml#	79
30) m-Toluidine	4.814	106	509677	43.049	ug/ml	95
31) 2-Chloroaniline	5.178	127	696599	44.867	ug/ml#	90
56) a-Terpineol	5.653	59	429714	49.201	ug/ml#	83
57) 3-Chloroaniline	5.659	65	180572	49.683	ug/ml	87
58) 2,6-Dichlorophenol	5.684	162	484433	48.197	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.942	111	227753	44.280	ug/ml#	1
60) Caprolactam	6.008	55	261055	42.386	ug/ml#	72
61) 1,2,4,5-Tetrachloroben...	6.464	216	551234	48.639	ug/ml	98
62) Biphenyl	6.763	154	1376229	38.483	ug/ml	98
84) Dichloran	8.460	206	186523	52.750	ug/ml#	68
85) Pentachloronitrobenzene	8.606	237	168675	50.001	ug/ml#	85
99) Diphenamid	9.691	167	1011695	43.252	ug/ml#	79

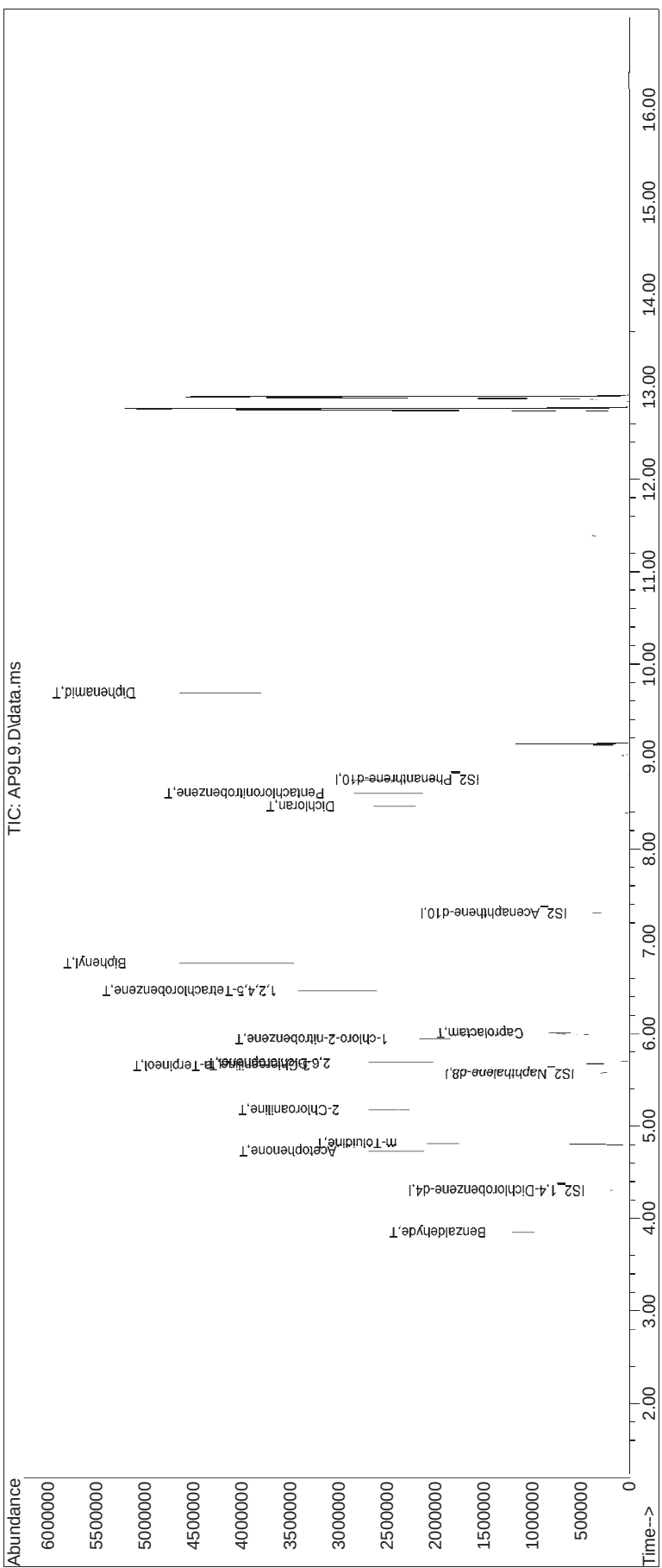
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L9.D
Acq On : 28 Aug 2025 12:16 am
Operator : SV106:smz
Sample : IL2,32,,AP9L50 Lot# 11923
Misc : WG2108428,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 05:52:35 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : AP9L9\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L9.D Operator : SV106:smz
Date Inj'd : 8/28/2025 12:16 am Instrument : SV 106
Sample : IL2,32,,AP9L50 Lot# 11923 Quant Date : 8/28/2025 5:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L8.D
 Acq On : 28 Aug 2025 12:37 am
 Operator : SV106:smz
 Sample : IL3,32,,AP9L25 Lot# 11924
 Misc : WG2108428,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 28 05:52:12 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31524	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	101.86%		
55) IS2_Naphthalene-d8	5.573	136	123757	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	101.09%		
83) IS2_Acenaphthene-d10	7.304	164	71671	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	101.37%		
98) IS2_Phenanthrene-d10	8.752	188	146352	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	102.81%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.851	105	120804	23.568	ug/ml	89
29) Acetophenone	4.724	105	365051	21.678	ug/ml#	80
30) m-Toluidine	4.811	106	247710	20.644	ug/ml	95
31) 2-Chloroaniline	5.178	127	343357	21.854	ug/ml#	90
56) a-Terpineol	5.647	59	212848	24.802	ug/ml#	84
57) 3-Chloroaniline	5.656	65	89251	24.569	ug/ml	86
58) 2,6-Dichlorophenol	5.681	162	237159	23.795	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	111135	21.990	ug/ml#	1
60) Caprolactam	5.992	55	124811	20.624	ug/ml#	73
61) 1,2,4,5-Tetrachloroben...	6.461	216	272969	24.039	ug/ml	98
62) Biphenyl	6.760	154	681944	19.406	ug/ml	98
84) Dichloran	8.457	206	86479	24.655	ug/ml#	68
85) Pentachloronitrobenzene	8.603	237	78831	23.557	ug/ml#	86
99) Diphenamid	9.688	167	486540	21.189	ug/ml#	80

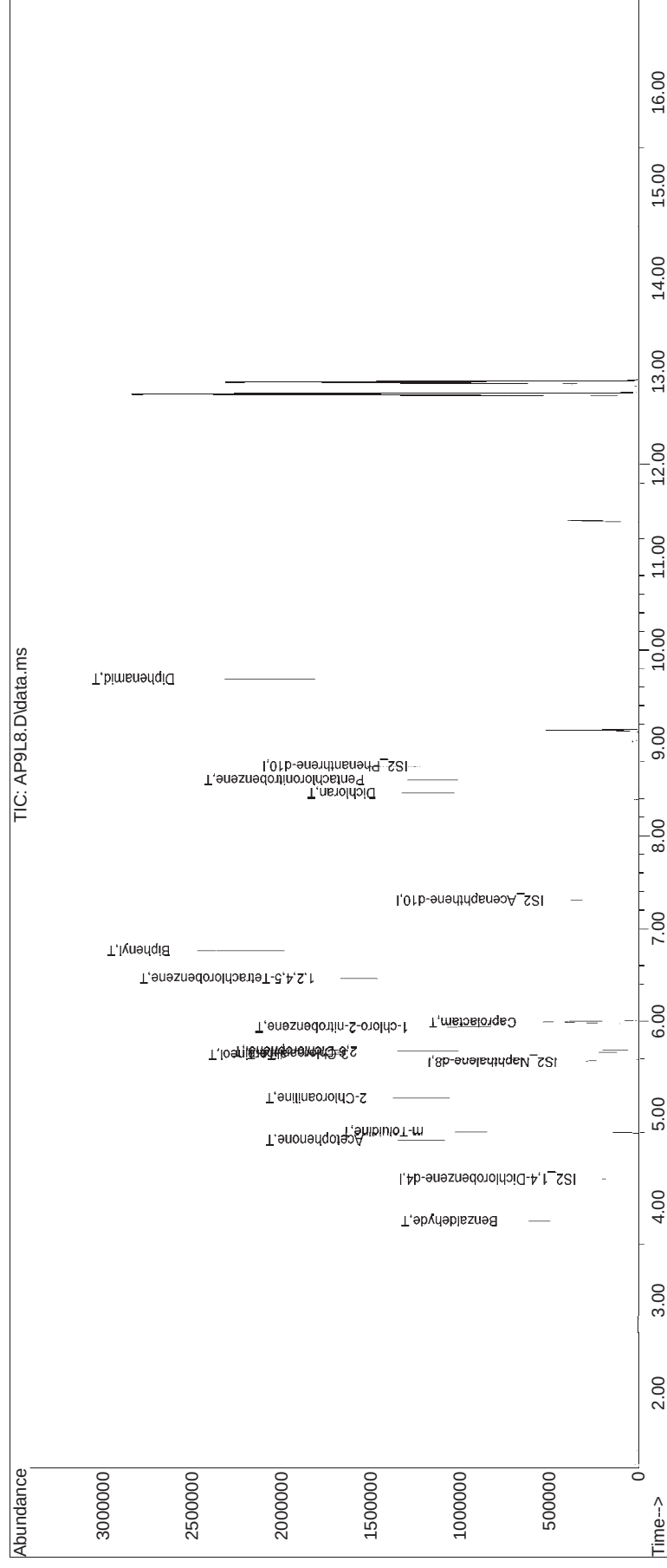
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L8.D
Acq On : 28 Aug 2025 12:37 am
Operator : SV106:smz
Sample : IL3,32,,AP9L25 Lot# 11924
Misc : WG2108428,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 28 05:52:12 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : **AP9L8\8270\SV106\250827ICAL\AP9L6.D•**



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L8.D Operator : SV106:smz
Date Inj'd : 8/28/2025 12:37 am Instrument : SV 106
Sample : IL3,32,,AP9L25 Lot# 11924 Quant Date : 8/28/2025 5:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L7.D
 Acq On : 28 Aug 2025 12:58 am
 Operator : SV106:smz
 Sample : IL4,32,,AP9L10 Lot# 11925
 Misc : WG2108428,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 05:50:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30533	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	98.66%		
55) IS2_Naphthalene-d8	5.572	136	120539	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery =	98.46%		
83) IS2_Acenaphthene-d10	7.304	164	69381	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	98.13%		
98) IS2_Phenanthrene-d10	8.752	188	140785	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	98.90%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.851	105	48293	9.514	ug/ml	90
29) Acetophenone	4.724	105	143352	8.608	ug/ml#	80
30) m-Toluidine	4.811	106	96223	8.278	ug/ml	95
31) 2-Chloroaniline	5.178	127	137425	9.067	ug/ml#	90
56) a-Terpineol	5.644	59	82884	9.916	ug/ml#	83
57) 3-Chloroaniline	5.653	65	35569	9.551	ug/ml	86
58) 2,6-Dichlorophenol	5.681	162	91829	9.198	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	43411	8.819	ug/ml#	1
60) Caprolactam	5.983	55	47092	7.989	ug/ml#	74
61) 1,2,4,5-Tetrachloroben...	6.461	216	108602	9.674	ug/ml	98
62) Biphenyl	6.760	154	271123	7.921	ug/ml	98
84) Dichloran	8.454	206	30239	8.906	ug/ml#	70
85) Pentachloronitrobenzene	8.603	237	29475	9.099	ug/ml#	87
99) Diphenamid	9.684	167	187126	8.472	ug/ml#	80

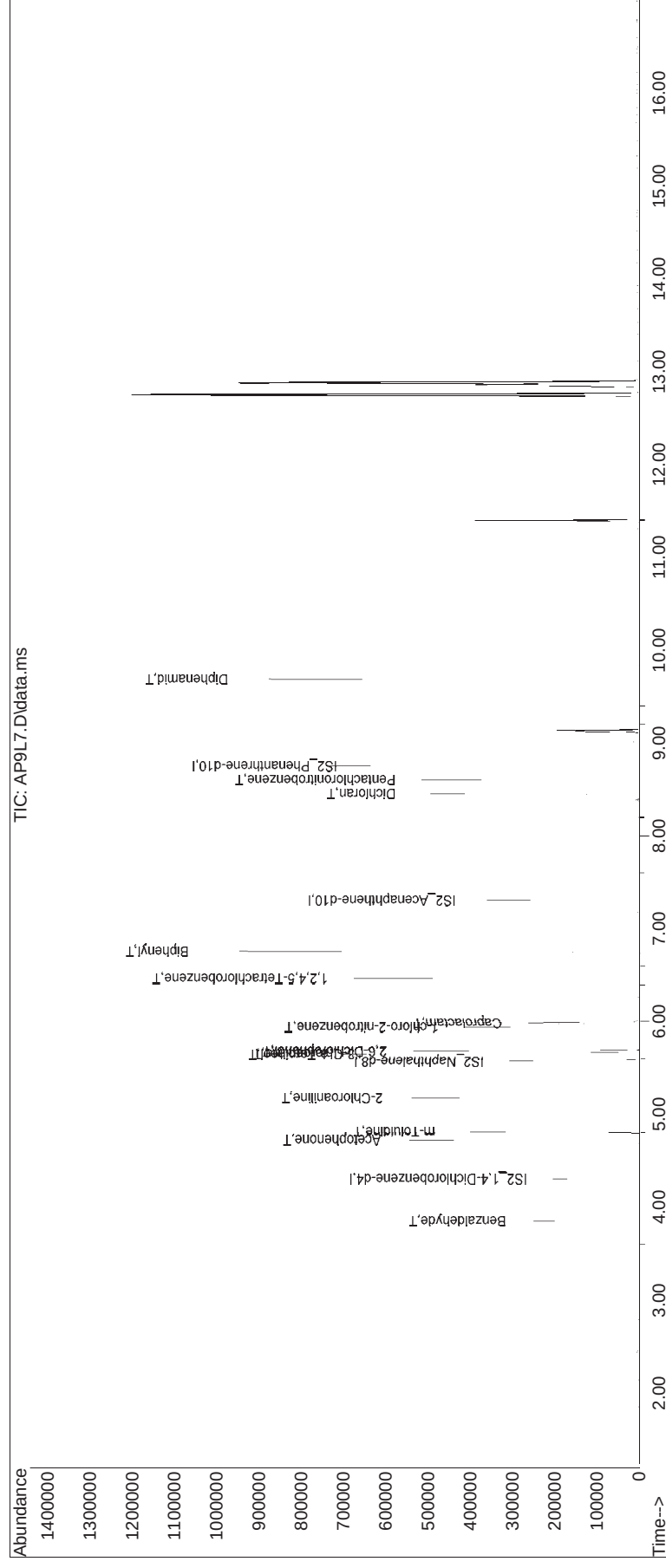
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L7.D
Acq On : 28 Aug 2025 12:58 am
Operator : SV106:smz
Sample : IL4,32,,AP9L10 Lot# 11925
Misc : WG2108428,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 05:50:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : AP9L7.D\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L7.D Operator : SV106:smz
Date Inj'd : 8/28/2025 12:58 am Instrument : SV 106
Sample : IL4, 32,, AP9L10 Lot# 11925 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L6.D
 Acq On : 28 Aug 2025 1:20 am
 Operator : SV106:smz
 Sample : IL5,32,,AP9L5 Lot# 11926
 Misc : WG2108428,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 28 05:49:50 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30949	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery	=	100.00%	
55) IS2_Naphthalene-d8	5.572	136	122423	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery	=	100.00%	
83) IS2_Acenaphthene-d10	7.307	164	70701	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery	=	100.00%	
98) IS2_Phenanthrene-d10	8.752	188	142347	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	24517	4.584	ug/ml	90
29) Acetophenone	4.724	105	72454	4.140	ug/ml#	81
30) m-Toluidine	4.811	106	46756	3.968	ug/ml	95
31) 2-Chloroaniline	5.178	127	67694	4.439	ug/ml#	90
56) a-Terpineol	5.644	59	40745	4.800	ug/ml#	82
57) 3-Chloroaniline	5.653	65	18735	4.544	ug/ml	93
58) 2,6-Dichlorophenol	5.678	162	44237	4.135	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	20884	4.177	ug/ml#	1
60) Caprolactam	5.976	55	22724	3.796	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	55634	4.824	ug/ml	97
62) Biphenyl	6.760	154	138418	3.982	ug/ml	98
84) Dichloran	8.454	206	14237	4.115	ug/ml#	70
85) Pentachloronitrobenzene	8.600	237	14496	4.391	ug/ml#	86
99) Diphenamid	9.684	167	91388	4.092	ug/ml#	80

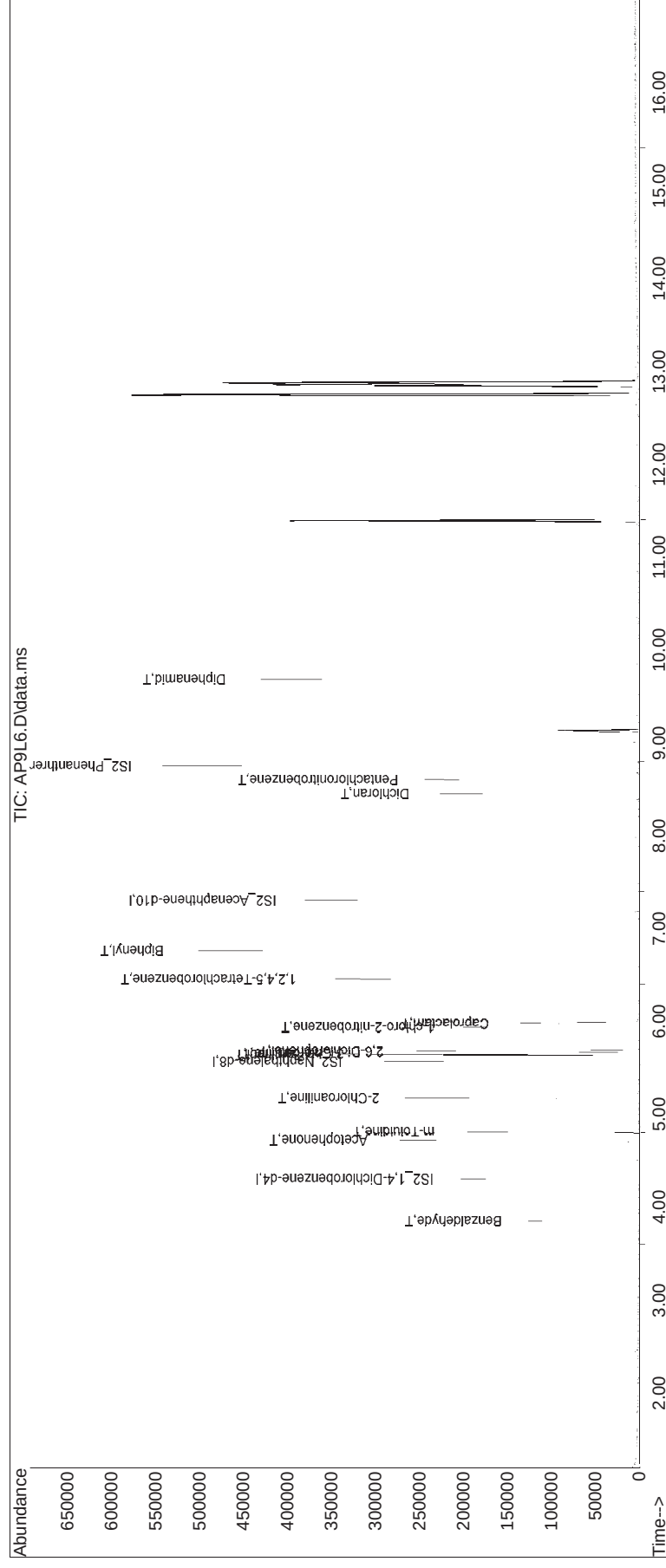
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L6.D
Acq On : 28 Aug 2025 1:20 am
Operator : SV106:smz
Sample : IL5,32,,AP9L5 Lot# 11926
Misc : WG2108428,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 28 05:49:50 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : **AP9L6.D\8270\SV106\250827ICAL\AP9L6.D•**



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L6.D Operator : SV106:smz
Date Inj'd : 8/28/2025 1:20 am Instrument : SV 106
Sample : IL5,32,,AP9L5 Lot# 11926 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L5.D
 Acq On : 28 Aug 2025 1:41 am
 Operator : SV106:smz
 Sample : IL6,32,,AP9L2.5 Lot# 11927
 Misc : WG2108428,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 28 05:49:28 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31488	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	101.74%		
55) IS2_Naphthalene-d8	5.572	136	123415	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	100.81%		
83) IS2_Acenaphthene-d10	7.303	164	69959	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	98.95%		
98) IS2_Phenanthrene-d10	8.752	188	139425	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	97.95%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.850	105	12800	2.175	ug/ml	91
29) Acetophenone	4.724	105	37207	1.939	ug/ml#	80
30) m-Toluidine	4.811	106	22875	1.907	ug/ml	95
31) 2-Chloroaniline	5.178	127	34404	2.248	ug/ml#	90
56) a-Terpineol	5.644	59	20380	2.381	ug/ml#	81
57) 3-Chloroaniline	5.656	65	9233	1.787	ug/ml	90
58) 2,6-Dichlorophenol	5.678	162	21794	1.799	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	10575	2.098	ug/ml#	1
60) Caprolactam	5.973	55	11167	1.850	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	28206	2.384	ug/ml	97
62) Biphenyl	6.760	154	71591	2.043	ug/ml	99
84) Dichloran	8.453	206	6372	1.861	ug/ml#	72
85) Pentachloronitrobenzene	8.600	237	6722	2.058	ug/ml#	86
99) Diphenamid	9.684	167	43972	2.010	ug/ml#	78

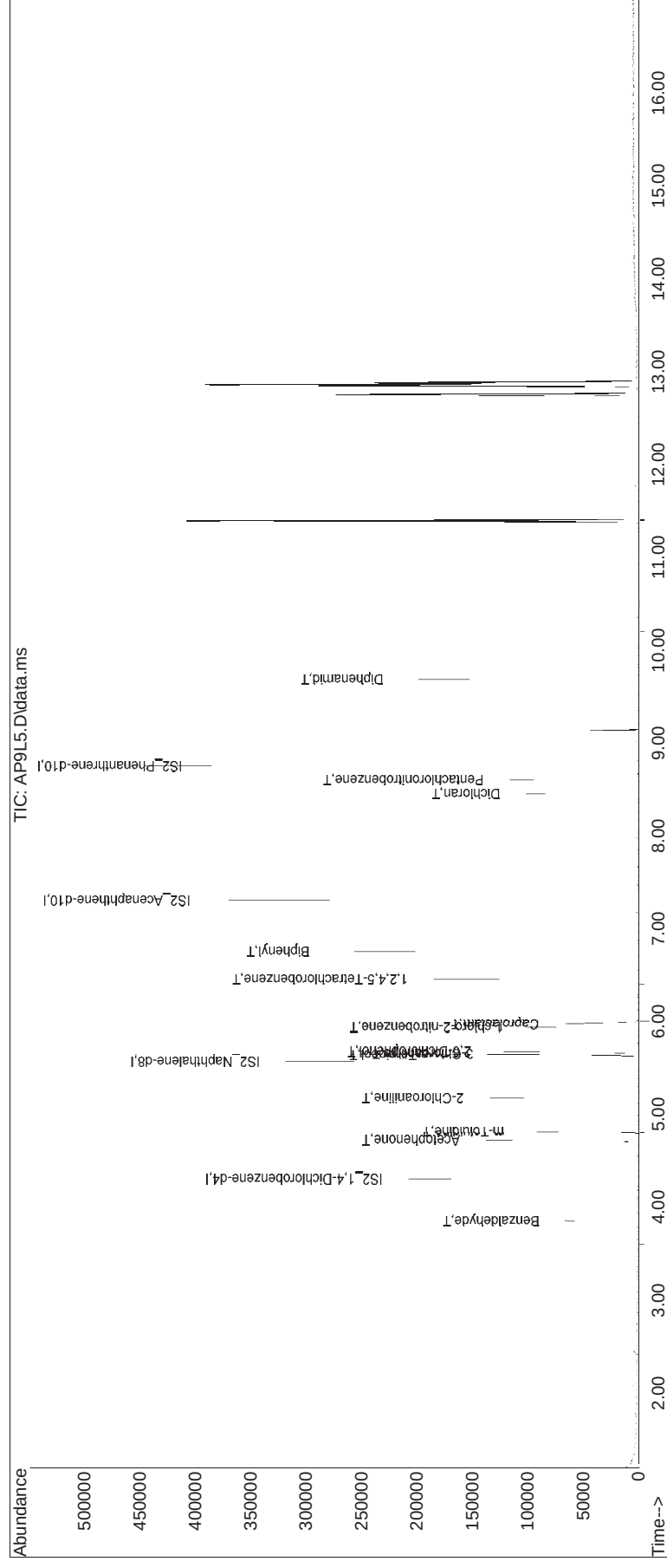
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L5.D
 Acq On : 28 Aug 2025 1:41 am
 Operator : SV106:smz
 Sample : IL6,32,,AP9L2.5 Lot# 11927
 Misc : WG2108428,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 28 05:49:28 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

Sub List : AP9L5.D\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L5.D Operator : SV106:smz
Date Inj'd : 8/28/2025 1:41 am Instrument : SV 106
Sample : IL6,32,,AP9L2.5 Lot# 11927 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L4.D
 Acq On : 28 Aug 2025 2:03 am
 Operator : SV106:smz
 Sample : IL7,32,,AP9L1 Lot# 11928
 Misc : WG2108428,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 28 05:49:06 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 05:41:28 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	32169	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery	=	103.94%	
55) IS2_Naphthalene-d8	5.572	136	127123	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery	=	103.84%	
83) IS2_Acenaphthene-d10	7.303	164	72215	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery	=	102.14%	
98) IS2_Phenanthrene-d10	8.752	188	142802	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery	=	100.32%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.853	105	5276	0.661	ug/ml	87
29) Acetophenone	4.724	105	14867	0.573	ug/ml#	80
30) m-Toluidine	4.811	106	7331	0.597	ug/ml	95
31) 2-Chloroaniline	5.174	127	13198	0.883	ug/ml#	89
56) a-Terpineol	5.644	59	8261	0.937	ug/ml#	84
57) 3-Chloroaniline	5.653	65	3531	0.129	ug/ml	81
58) 2,6-Dichlorophenol	5.678	162	8168	0.379	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.939	111	4380	0.844	ug/ml#	1
60) Caprolactam	5.973	55	3951	0.636	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	6.458	216	11563	0.902	ug/ml	97
62) Biphenyl	6.760	154	28809	0.798	ug/ml	99
84) Dichloran	8.454	206	2437	0.690	ug/ml#	68
85) Pentachloronitrobenzene	8.600	237	2445	0.725	ug/ml	87
99) Diphenamid	9.684	167	16325	0.729	ug/ml#	80

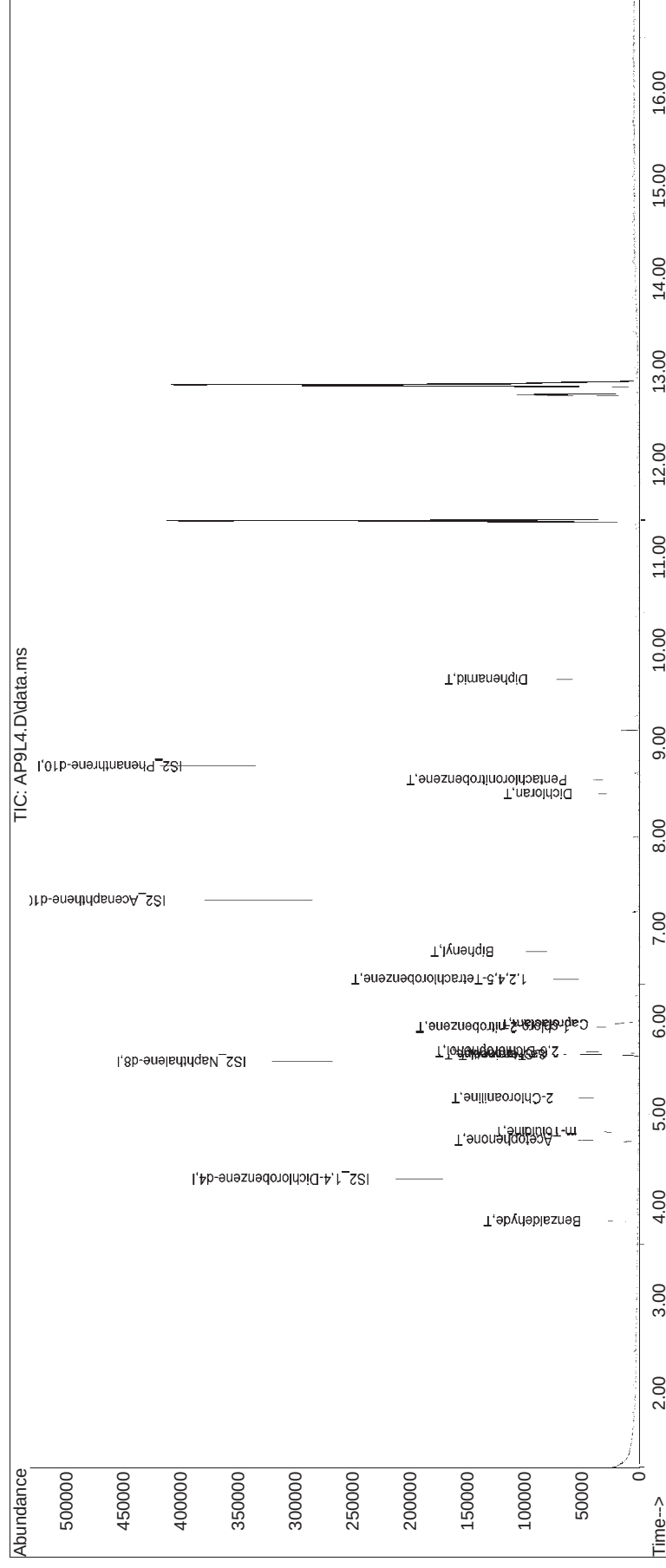
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L4.D
Acq On : 28 Aug 2025 2:03 am
Operator : SV106:smz
Sample : IL7,32,,AP9L1 Lot# 11928
Misc : WG2108428,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 28 05:49:06 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 05:41:28 2025
Response via : Initial Calibration

Sub List : **AP9L4\8270\SV106\250827ICAL\AP9L6.D•**



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L4.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:03 am Instrument : SV 106
Sample : IL7,32,,AP9L1 Lot# 11928 Quant Date : 8/28/2025 5:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L3.D
 Acq On : 28 Aug 2025 2:24 am
 Operator : SV106:smz
 Sample : IL8,32,,AP9L0.5 Lot# 11929
 Misc : WG2108428,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 10:46:21 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	30712	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	99.23%		
55) IS2_Naphthalene-d8	5.572	136	121925	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery =	99.59%		
83) IS2_Acenaphthene-d10	7.307	164	68121	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	96.35%		
98) IS2_Phenanthrene-d10	8.752	188	134155	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	94.25%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	2530	0.511	ug/ml	90
29) Acetophenone	4.727	105	7956	0.544	ug/ml#	77
30) m-Toluidine	4.811	106	2869	0.333	ug/ml#	89
31) 2-Chloroaniline	5.178	127	6731	0.509	ug/ml#	91
56) a-Terpineol	5.644	59	3950	0.485	ug/ml#	79
57) 3-Chloroaniline	5.653	65	1709	0.490	ug/ml	81
58) 2,6-Dichlorophenol	5.681	162	4302	0.495	ug/ml#	81
59) 1-chloro-2-nitrobenzene	5.936	111	2003	0.488	ug/ml#	1
60) Caprolactam	5.976	55	1830	0.424	ug/ml#	71
61) 1,2,4,5-Tetrachloroben...	6.461	216	6021	0.529	ug/ml	98
62) Biphenyl	6.760	154	14379	0.507	ug/ml	98
84) Dichloran	8.451	206	1175	0.436	ug/ml#	71
85) Pentachloronitrobenzene	8.600	237	1187	0.451	ug/ml#	86
99) Diphenamid	9.684	167	7361	0.451	ug/ml#	82

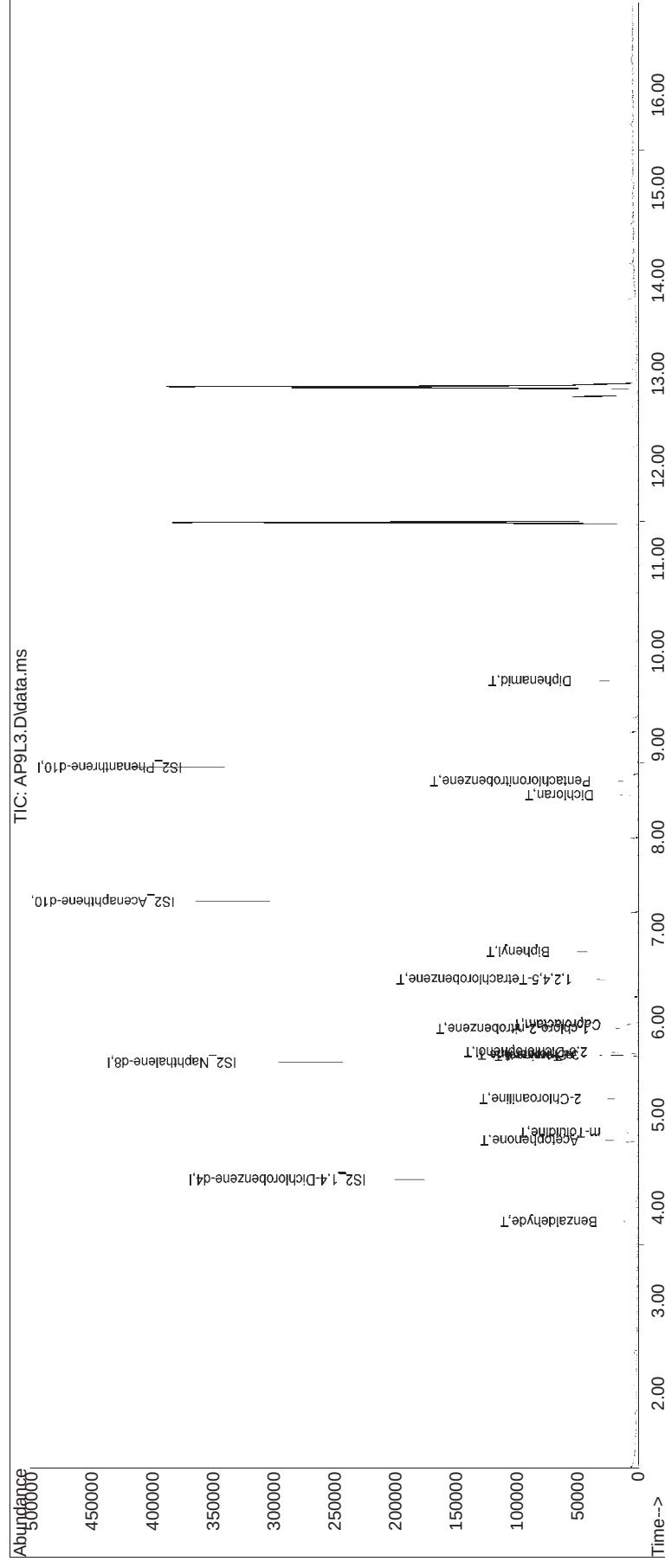
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L3.D
 Acq On : 28 Aug 2025 2:24 am
 Operator : SV106:smz
 Sample : IL8,32,,AP9L0.5 Lot# 11929
 Misc : WG2108428,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 10:46:21 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : **AP9L3.D\8270\SV106\250827ICAL\AP9L6.D•**



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L3.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:24 am Instrument : SV 106
Sample : IL8,32,,AP9L0.5 Lot# 11929 Quant Date : 8/28/2025 10:47 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L2.D
 Acq On : 28 Aug 2025 2:45 am
 Operator : SV106:smz
 Sample : IL9,32,,AP9L0.2 Lot# 11930
 Misc : WG2108428,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 10:48:11 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	32104	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	103.73%		
55) IS2_Naphthalene-d8	5.572	136	122317	4.000	ug/ml	# 0.00
Standard Area 3 = 122423			Recovery =	99.91%		
83) IS2_Acenaphthene-d10	7.304	164	70864	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	100.23%		
98) IS2_Phenanthrene-d10	8.752	188	139328	4.000	ug/ml	0.00
Standard Area 3 = 142347			Recovery =	97.88%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.857	105	1059	0.205	ug/ml#	77
29) Acetophenone	4.727	105	3100	0.203	ug/ml#	67
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	5.178	127	2596	0.188	ug/ml#	90
56) a-Terpineol	5.644	59	1651	0.202	ug/ml#	81
57) 3-Chloroaniline	5.656	65	624	0.178	ug/ml#	73
58) 2,6-Dichlorophenol	5.678	162	1600	0.183	ug/ml#	79
59) 1-chloro-2-nitrobenzene	5.939	111	740	0.180	ug/ml#	1
60) Caprolactam	5.983	55	691	0.159	ug/ml#	43
61) 1,2,4,5-Tetrachloroben...	6.461	216	2548	0.223	ug/ml#	83
62) Biphenyl	6.760	154	5871	0.206	ug/ml	99
84) Dichloran	8.454	206	440M2	0.157	ug/ml	
85) Pentachloronitrobenzene	8.600	237	389M2	0.142	ug/ml	
99) Diphenamid	9.684	167	2847	0.168	ug/ml	84

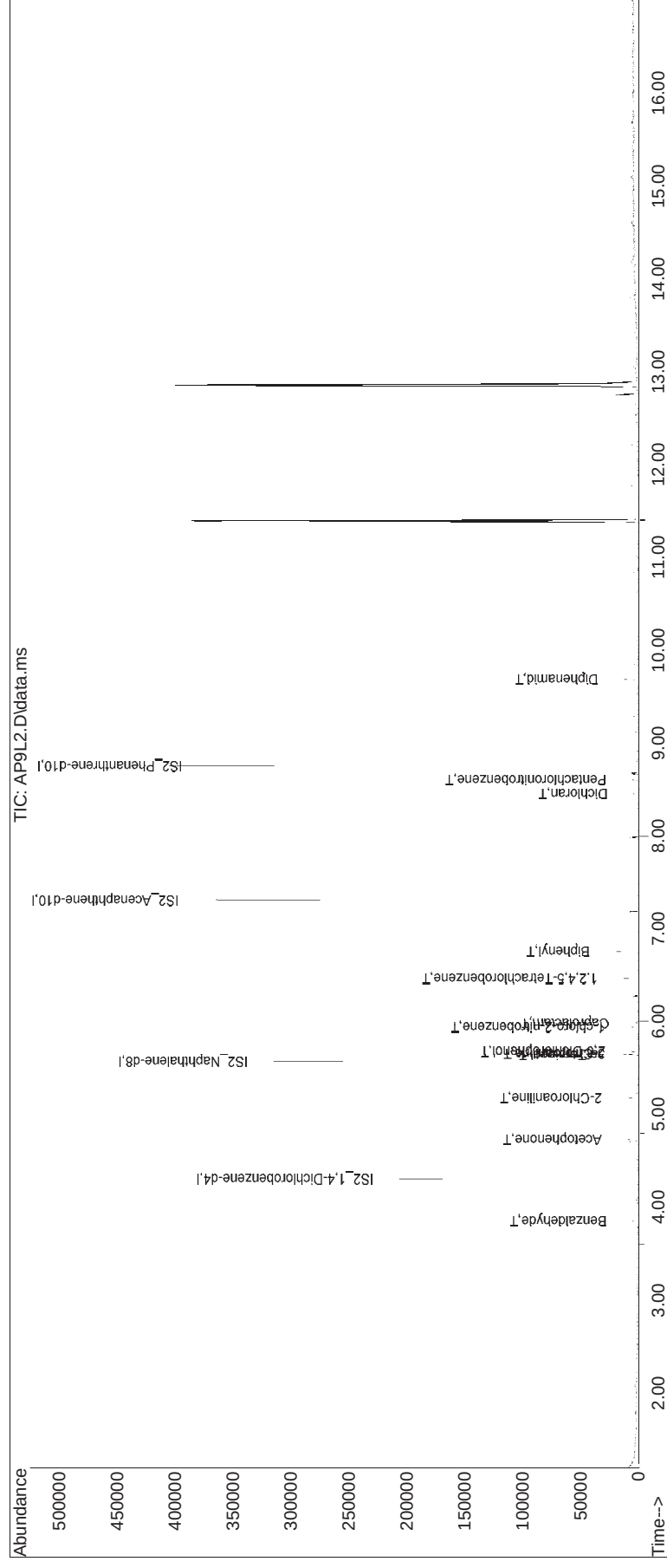
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : AP9L2.D
Acq On : 28 Aug 2025 2:45 am
Operator : SV106:smz
Sample : IL9,32,,AP9L0.2 Lot# 11930
Misc : WG2108428,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 10:48:11 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

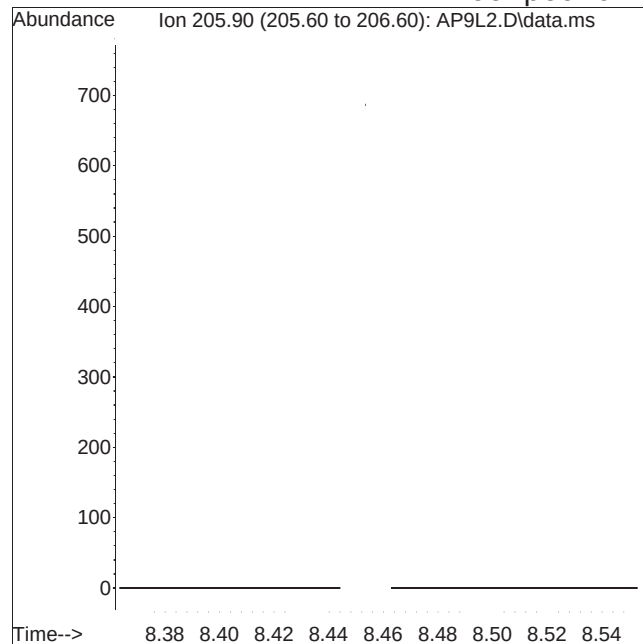
Sub List : AP9L2.D\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

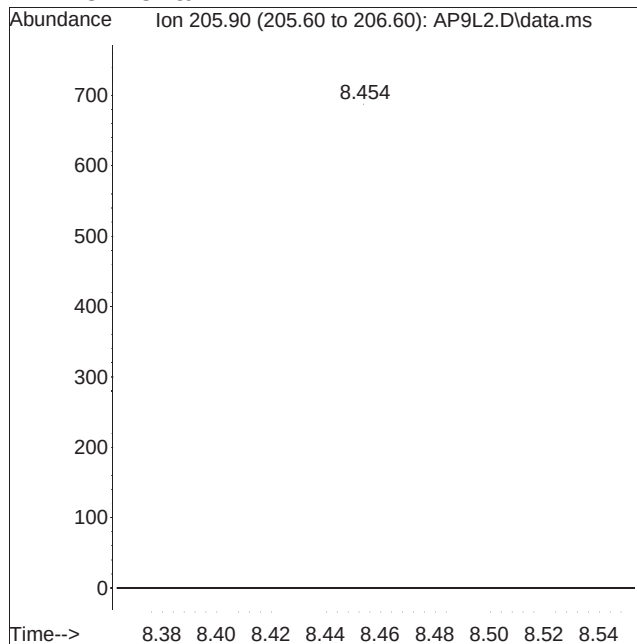
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:45 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11930 Quant Date : 8/28/2025 10:48 am

Compound #84: Dichloran



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

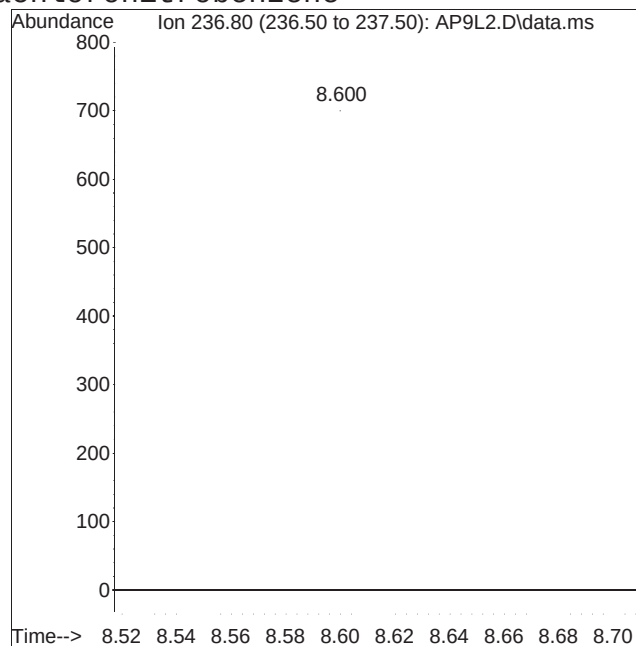
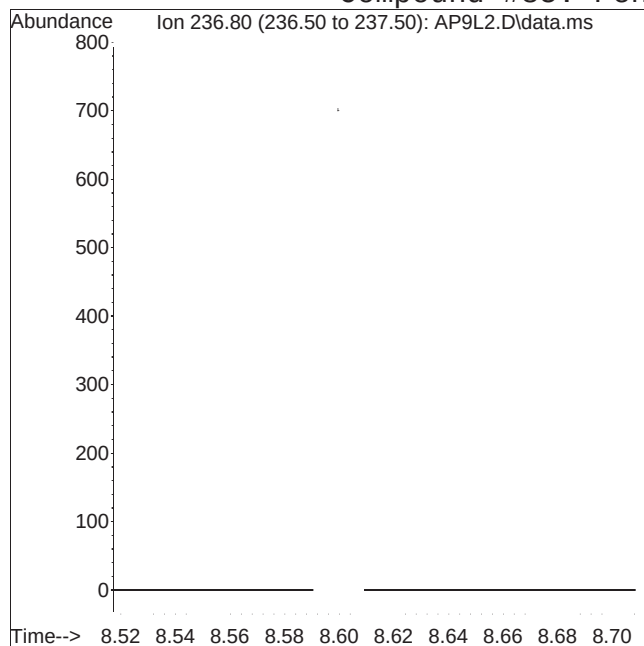


Manual Peak Response = 440 M2

Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 2:45 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11930 Quant Date : 8/28/2025 10:48 am

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0

Manual Peak Response = 389 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L1.D
 Acq On : 28 Aug 2025 3:07 am
 Operator : SV106:smz
 Sample : IL10,32,,AP9L0.1 Lot# 11931
 Misc : WG2108428,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 10:52:32 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	31753	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	102.60%		
55) IS2_Naphthalene-d8	5.572	136	123256	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	100.68%		
83) IS2_Acenaphthene-d10	7.304	164	69755	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	98.66%		
98) IS2_Phenanthrene-d10	8.752	188	136809	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	96.11%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.860	105	538	0.105	ug/ml#	1
29) Acetophenone	4.730	105	1504	0.099	ug/ml#	39
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	5.178	127	1324	0.097	ug/ml#	42
56) a-Terpineol	5.644	59	804	0.098	ug/ml#	32
57) 3-Chloroaniline	0.000		0	N.D. d		
58) 2,6-Dichlorophenol	5.681	162	848	0.096	ug/ml#	49
59) 1-chloro-2-nitrobenzene	5.939	111	359M2	0.086	ug/ml	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	6.461	216	1202	0.105	ug/ml#	86
62) Biphenyl	6.760	154	3328	0.116	ug/ml	98
84) Dichloran	8.450	206	257M2	0.093	ug/ml	
85) Pentachloronitrobenzene	0.000		0	N.D. d		
99) Diphenamid	9.684	167	1543	0.093	ug/ml#	80

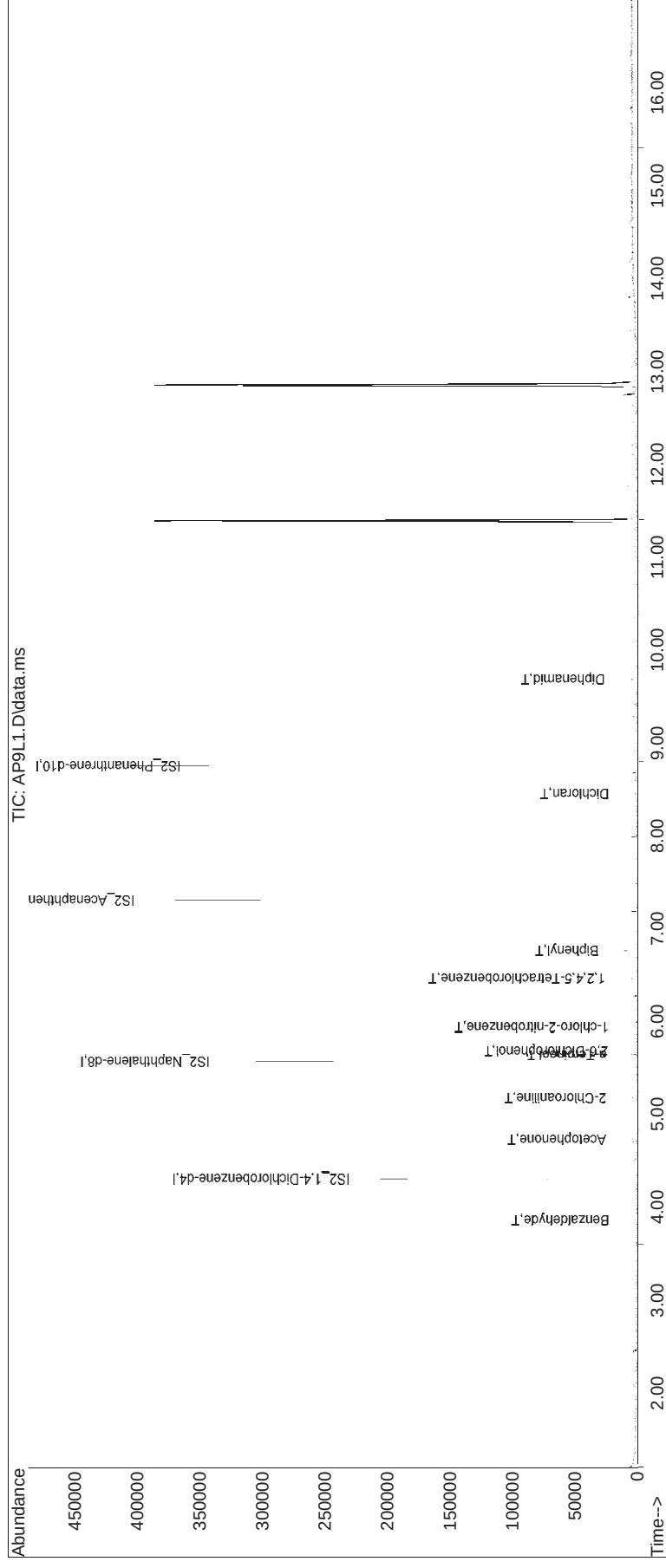
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9L1.D
 Acq On : 28 Aug 2025 3:07 am
 Operator : SV106:smz
 Sample : IL10,32,,AP9L0.1 Lot# 11931
 Misc : WG2108428,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 10:52:32 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

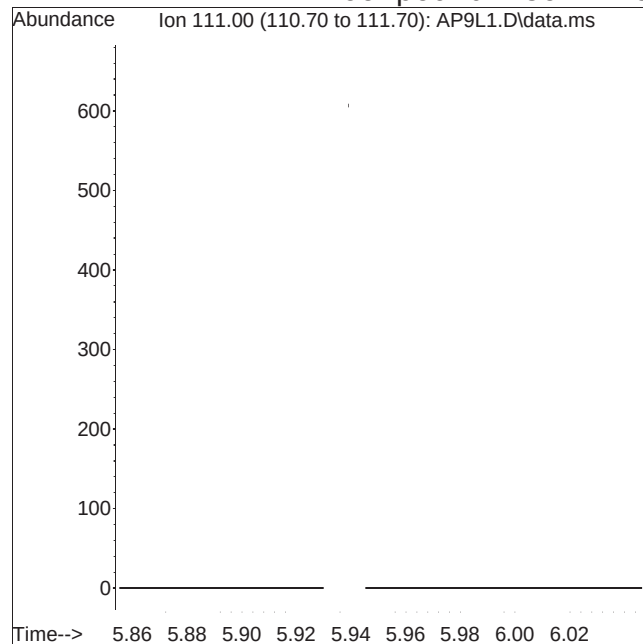
Sub List : **AP9L1\8270\SV106\250827ICAL\AP9L6.D•**



Manual Integration Report

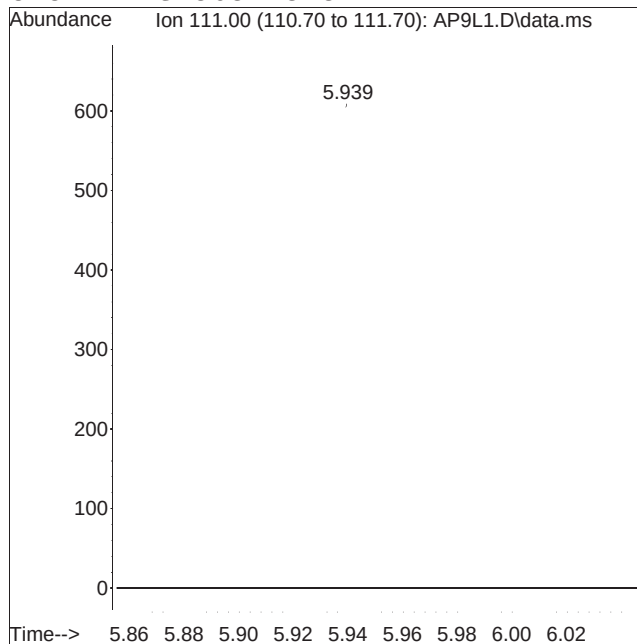
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:07 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1193

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

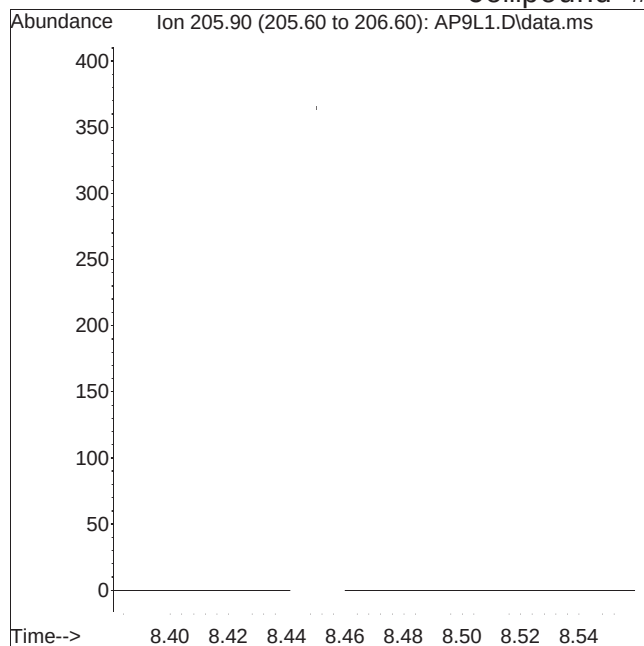


Manual Peak Response = 359 M2

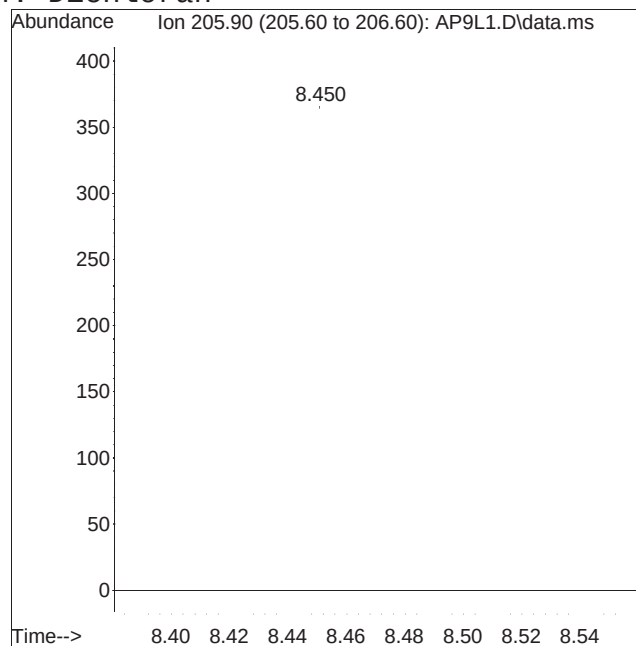
Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9L1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:07 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1193

Compound #84: Dichloran



Original Peak Response = 0



Manual Peak Response = 257 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL9.D
 Acq On : 28 Aug 2025 3:28 am
 Operator : SV106:smz
 Sample : IL2,32,,ADPL50 Lot# 11903
 Misc : WG2108428,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 28 11:02:19 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31585	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	100.32%	
86) IS3_Acenaphthene-d10	7.304	164	72015	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	103.51%	
100) IS3_Phenanthrene-d10	8.752	188	148512	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	106.21%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.358	88	174690	46.407	ug/ml#	78
34) n-Decane	4.211	57	562885	49.185	ug/ml#	41
87) Atrazine	8.556	200	402666	60.133	ug/ml	94
101) n-Octadecane	8.764	57	917492	51.499	ug/ml#	1
102) Parathion	9.573	109	280896	51.384	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.850	212	1749288	49.759	ug/ml	99

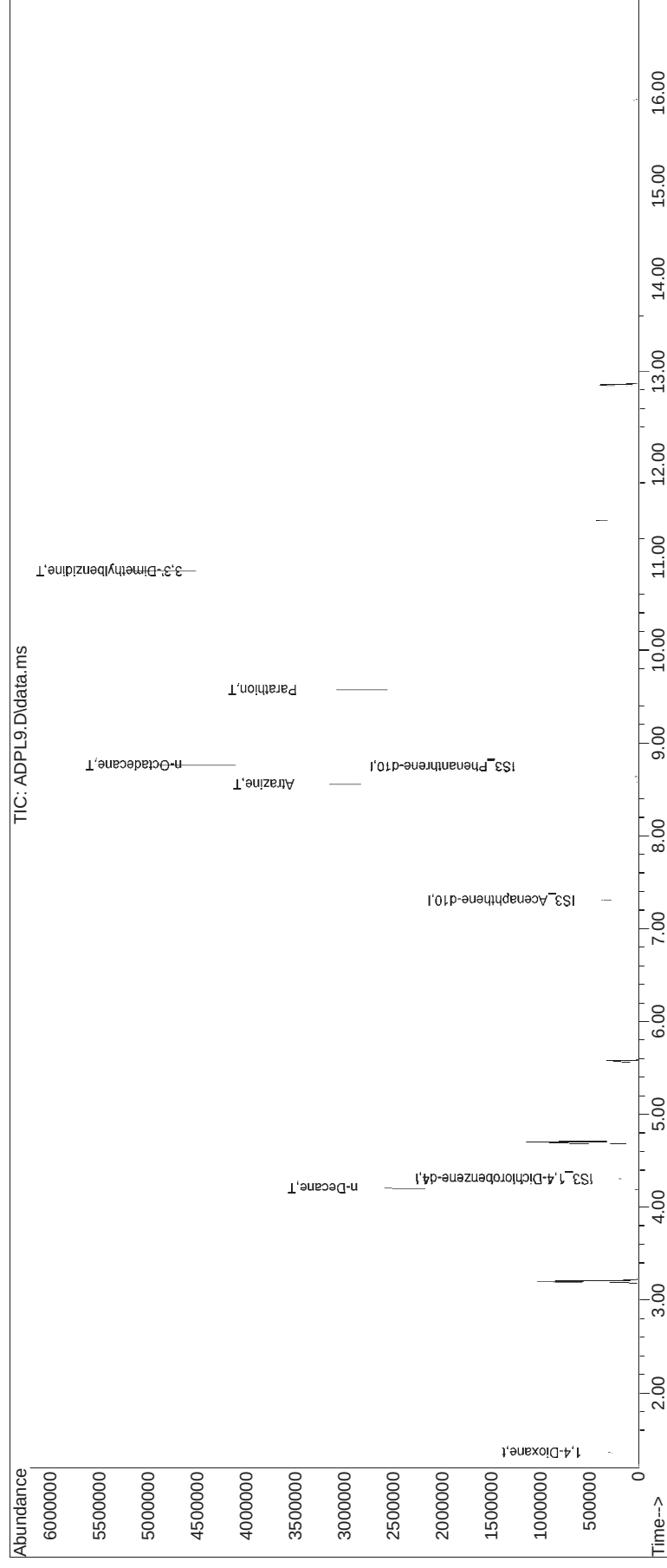
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL9.D
 Acq On : 28 Aug 2025 3:28 am
 Operator : SV106:smz
 Sample : IL2,32,,ADPL50 Lot# 11903
 Misc : WG2108428,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 28 11:02:19 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL9.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:28 am Instrument : SV 106
Sample : IL2,32,,ADPL50 Lot# 11903 Quant Date : 8/28/2025 11:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL8.D
 Acq On : 28 Aug 2025 3:50 am
 Operator : SV106:smz
 Sample : IL3,32,,ADPL25 Lot# 11904
 Misc : WG2108428,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 28 11:02:08 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31153	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	98.95%	
86) IS3_Acenaphthene-d10	7.304	164	69196	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	99.46%	
100) IS3_Phenanthrene-d10	8.752	188	140591	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	100.55%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.351	88	89165	24.016	ug/ml#	78
34) n-Decane	4.208	57	289950	25.687	ug/ml#	40
87) Atrazine	8.550	200	193884	30.134	ug/ml	94
101) n-Octadecane	8.764	57	460307	27.293	ug/ml#	1
102) Parathion	9.566	109	130607	25.599	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.847	212	847608	26.157	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

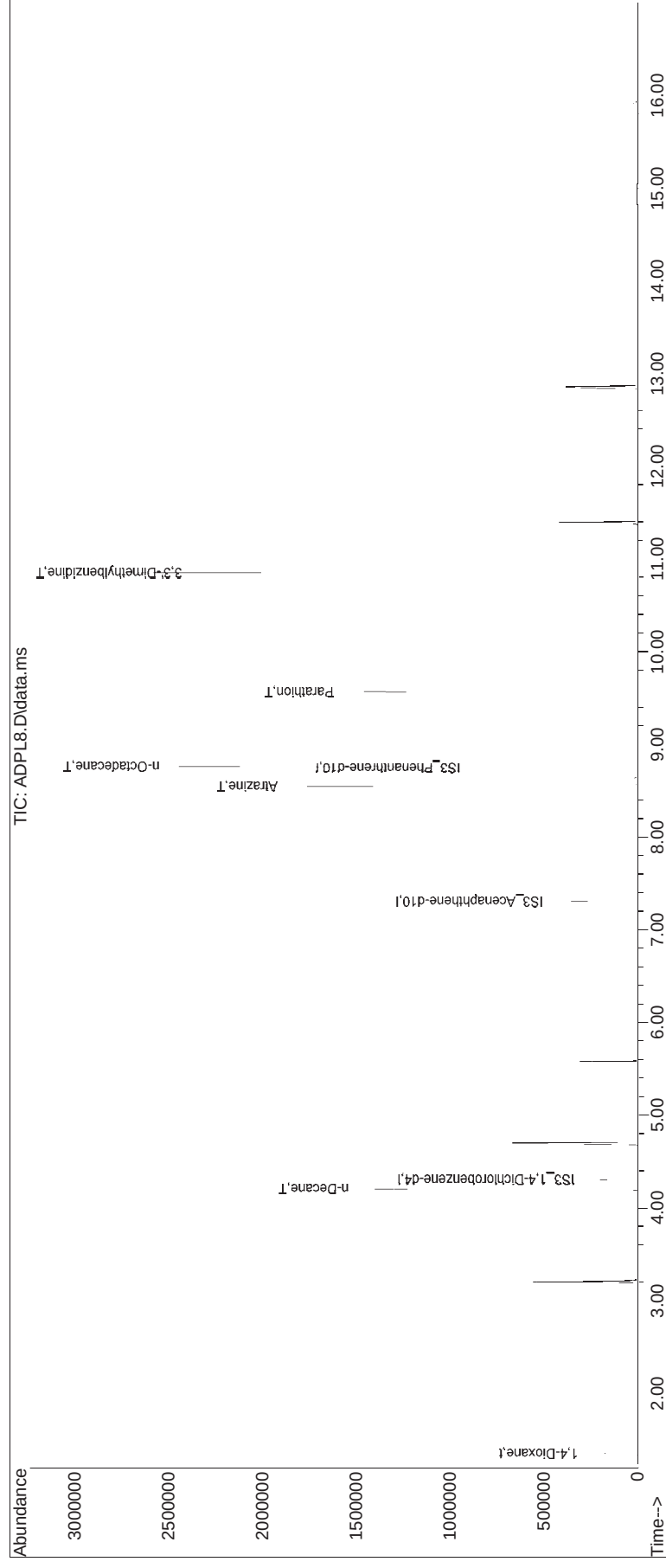
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Data Path      : I:\8270\SV106\250827ICAL\
Data File     : ADPL8.D
Acq On        : 28 Aug 2025   3:50 am
Operator      : SV106:smz
Sample        : IL3,32,,ADPL25 Lot# 11904
Misc          : WG2108428,,
ALS Vial      : 21 Sample Multiplier: 1

```

Quant Time: Aug 28 11:02:08 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPit\8RE7XSV10R250B27SCAL\AP9L6.D.



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL8.D Operator : SV106:smz
Date Inj'd : 8/28/2025 3:50 am Instrument : SV 106
Sample : IL3,32,,ADPL25 Lot# 11904 Quant Date : 8/28/2025 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL7.D
 Acq On : 28 Aug 2025 4:11 am
 Operator : SV106:smz
 Sample : IL4,32,,ADPL10 Lot# 11905
 Misc : WG2108428,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 28 11:01:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	33610	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	106.75%	
86) IS3_Acenaphthene-d10	7.304	164	73698	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	105.93%	
100) IS3_Phenanthrene-d10	8.752	188	150214	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	107.43%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	35778	8.932	ug/ml#	79
34) n-Decane	4.208	57	114805	9.427	ug/ml#	40
87) Atrazine	8.544	200	72027	10.511	ug/ml	94
101) n-Octadecane	8.761	57	184423	10.234	ug/ml#	1
102) Parathion	9.566	109	44333	8.616	ug/ml	97
103) 3,3'-Dimethylbenzidine	10.844	212	281581	9.104	ug/ml	99

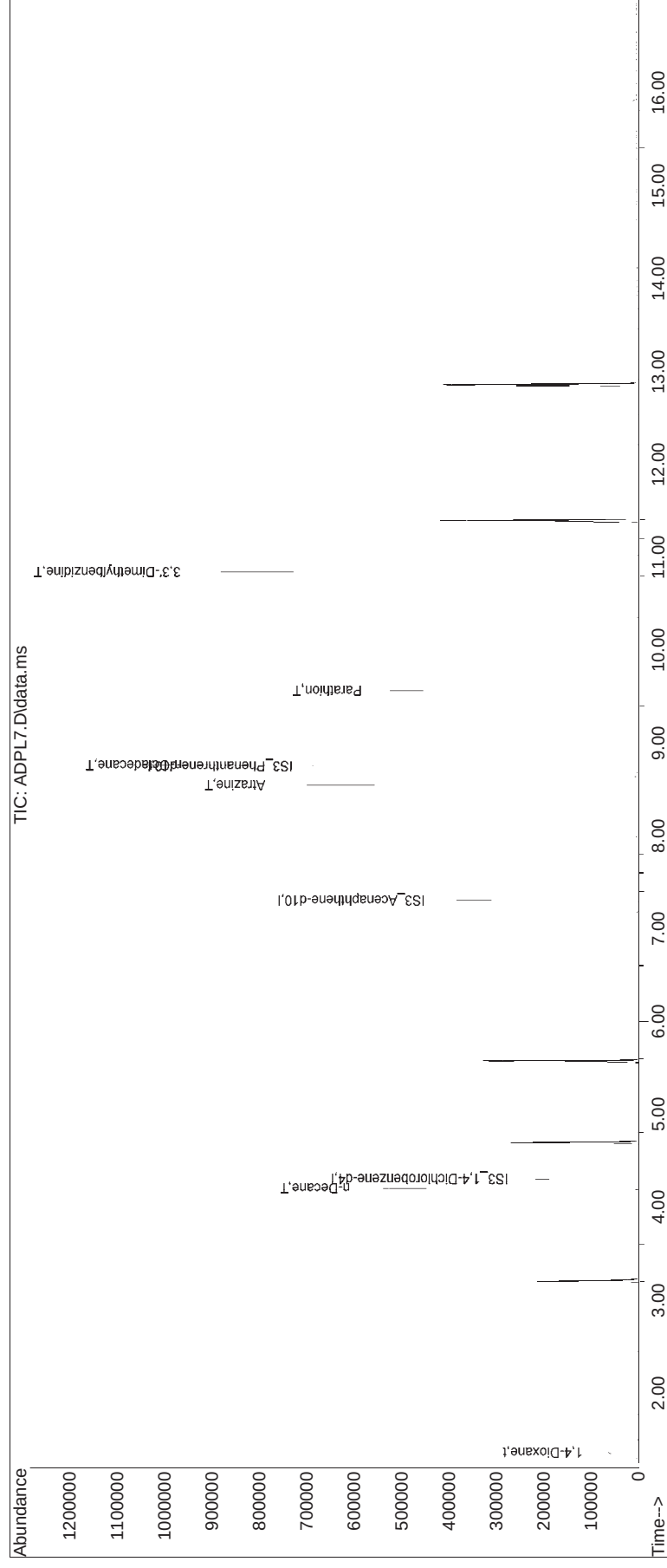
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL7.D
 Acq On : 28 Aug 2025 4:11 am
 Operator : SV106:smz
 Sample : IL4,32,,ADPL10 Lot# 11905
 Misc : WG2108428,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 28 11:01:57 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL7.D Operator : SV106:smz
Date Inj'd : 8/28/2025 4:11 am Instrument : SV 106
Sample : IL4, 32,,ADPL10 Lot# 11905 Quant Date : 8/28/2025 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL6.D
 Acq On : 28 Aug 2025 4:32 am
 Operator : SV106:smz
 Sample : IL5,32,,ADPL5 Lot# 11906
 Misc : WG2108428,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 28 11:01:22 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31485	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	100.00%	
86) IS3_Acenaphthene-d10	7.304	164	69570	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	100.00%	
100) IS3_Phenanthrene-d10	8.752	188	139824	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.355	88	17792	4.742	ug/ml#	80
34) n-Decane	4.208	57	55937	4.903	ug/ml#	39
87) Atrazine	8.544	200	32791	5.069	ug/ml	93
101) n-Octadecane	8.761	57	85590	5.103	ug/ml#	1
102) Parathion	9.566	109	18787	4.309	ug/ml	96
103) 3,3'-Dimethylbenzidine	10.844	212	112678	4.718	ug/ml	99

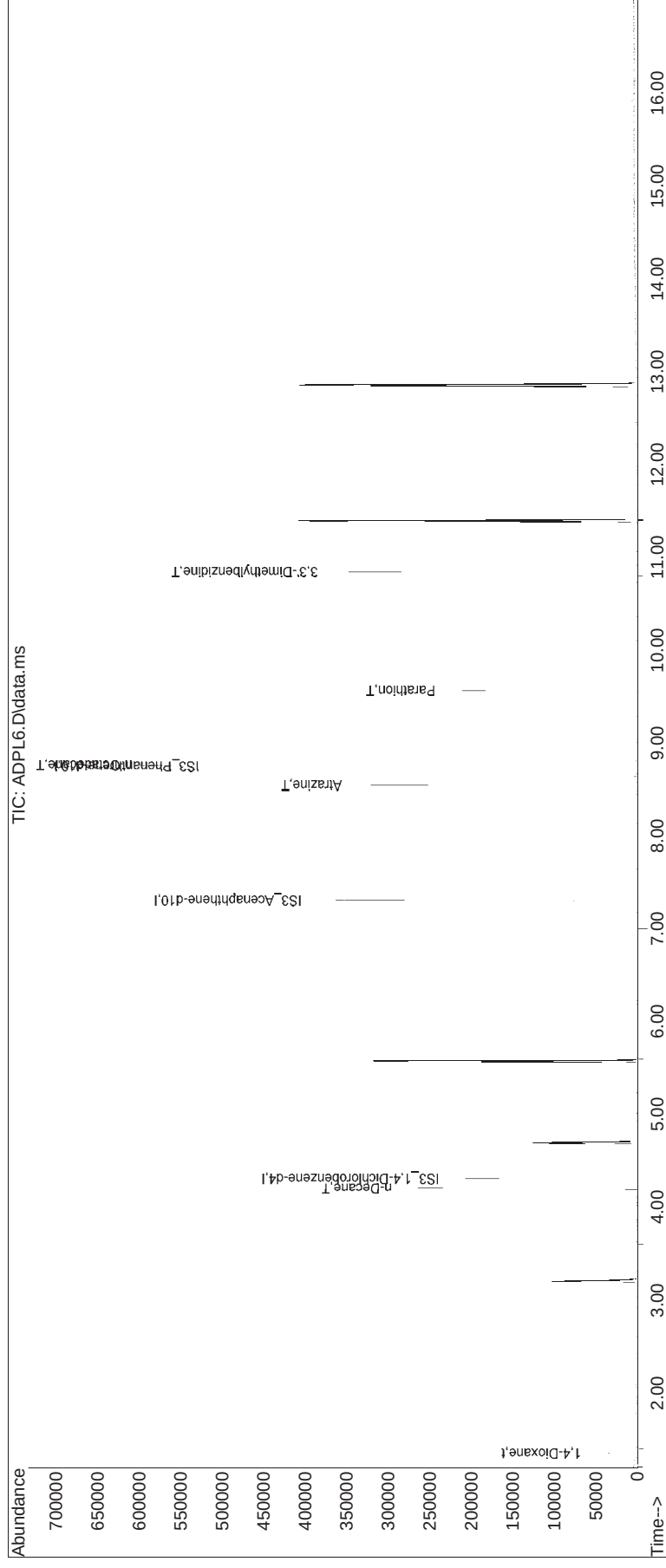
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL6.D
 Acq On : 28 Aug 2025 4:32 am
 Operator : SV106:smz
 Sample : IL5,32,,ADPL5 Lot# 11906
 Misc : WG2108428,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 28 11:01:22 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL6.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 4:32 am	Instrument	: SV 106
Sample	: IL5,32,,ADPL5 Lot# 11906	Quant Date	: 8/28/2025 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL5.D
 Acq On : 28 Aug 2025 4:54 am
 Operator : SV106:smz
 Sample : IL6,32,,ADPL2.5 Lot# 11907
 Misc : WG2108428,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 28 11:01:10 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32740	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	103.99%	
86) IS3_Acenaphthene-d10	7.304	164	72755	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	104.58%	
100) IS3_Phenanthrene-d10	8.752	188	144048	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	103.02%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.352	88	9419	2.414	ug/ml#	81
34) n-Decane	4.208	57	28825	2.430	ug/ml#	37
87) Atrazine	8.541	200	16094	2.379	ug/ml	93
101) n-Octadecane	8.761	57	41584	2.406	ug/ml#	1
102) Parathion	9.566	109	8440	2.278	ug/ml	99
103) 3,3'-Dimethylbenzidine	10.841	212	47430	2.761	ug/ml	99

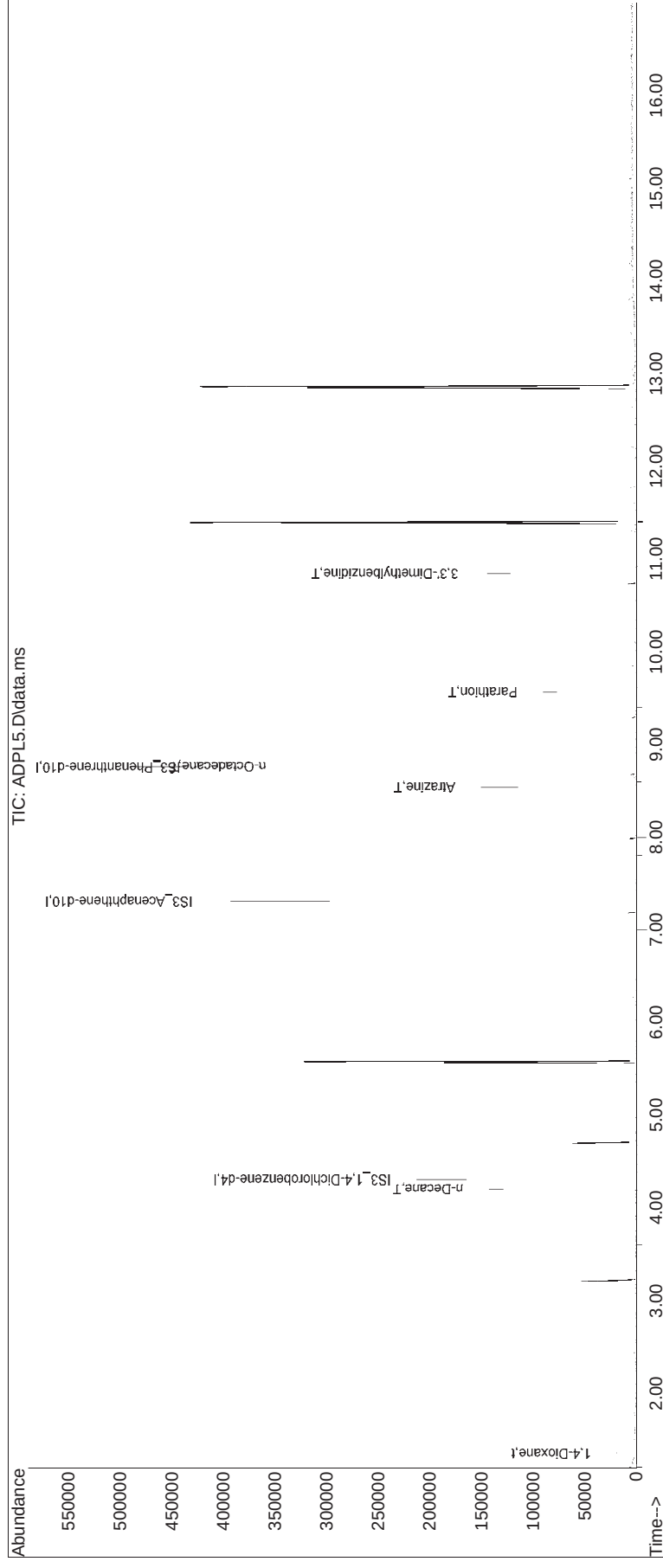
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL5.D
Acq On : 28 Aug 2025 4:54 am
Operator : SV106:smz
Sample : IL6,32,,ADPL2.5 Lot# 11907
Misc : WG2108428,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 28 11:01:10 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL5.D Operator : SV106:smz
Date Inj'd : 8/28/2025 4:54 am Instrument : SV 106
Sample : IL6,32,,ADPL2.5 Lot# 11907 Quant Date : 8/28/2025 11:01 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL4.D
 Acq On : 28 Aug 2025 5:15 am
 Operator : SV106:smz
 Sample : IL7,32,,ADPL1 Lot# 11908
 Misc : WG2108428,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 28 11:01:00 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32852	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	104.34%	
86) IS3_Acenaphthene-d10	7.304	164	73562	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	105.74%	
100) IS3_Phenanthrene-d10	8.752	188	146637	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	104.87%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	4064	1.038	ug/ml#	78
34) n-Decane	4.211	57	11730	0.985	ug/ml#	38
87) Atrazine	8.541	200	6280	0.918	ug/ml	94
101) n-Octadecane	8.761	57	16833	0.957	ug/ml#	1
102) Parathion	9.563	109	3311	1.314	ug/ml	95
103) 3,3'-Dimethylbenzidine	10.841	212	12923	1.772	ug/ml	99

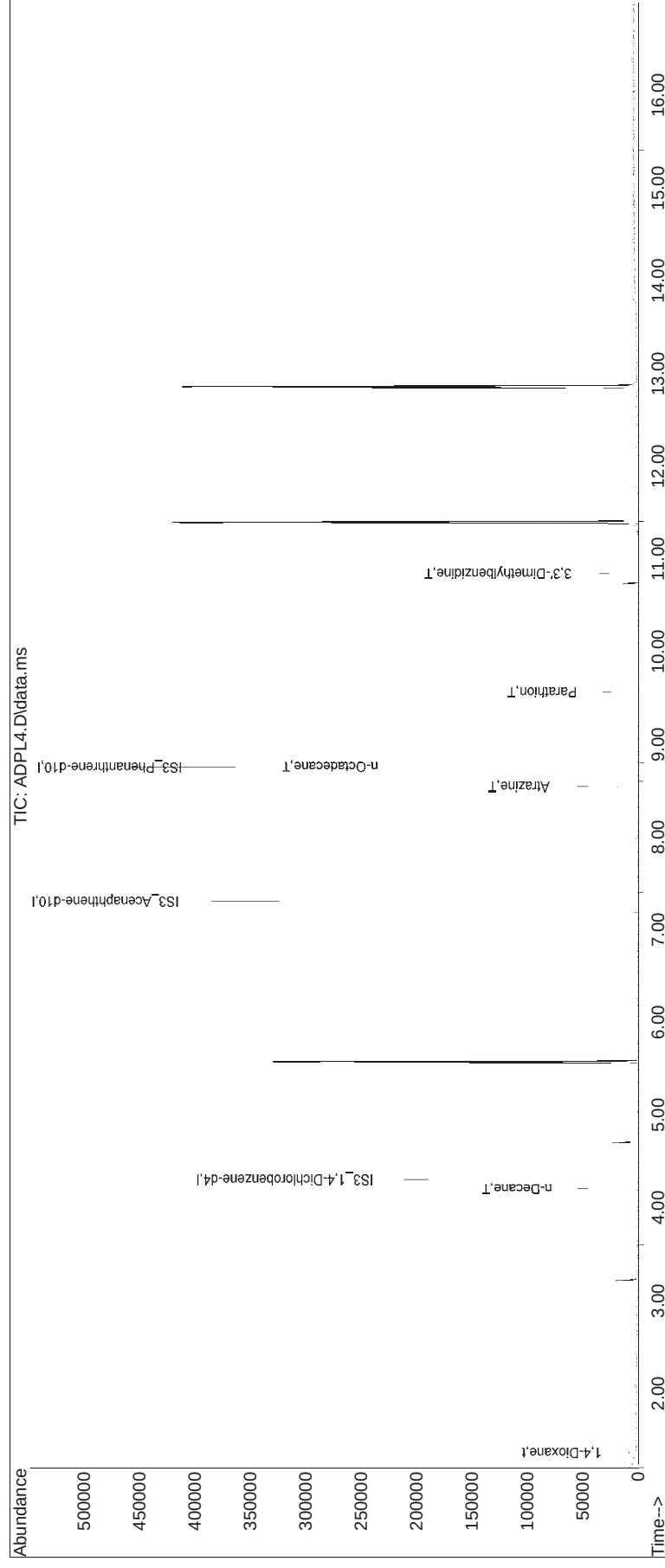
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL4.D
 Acq On : 28 Aug 2025 5:15 am
 Operator : SV106:smz
 Sample : IL7,32,,ADPL1 Lot# 11908
 Misc : WG2108428,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 28 11:01:00 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250827ICAL\	QMethod	: FS250827SV106.m
Data File	: ADPL4.D	Operator	: SV106:smz
Date Inj'd	: 8/28/2025 5:15 am	Instrument	: SV 106
Sample	: IL7,32,,ADPL1 Lot# 11908	Quant Date	: 8/28/2025 11:01 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL3.D
 Acq On : 28 Aug 2025 5:36 am
 Operator : SV106:smz
 Sample : IL8,32,,ADPL0.5 Lot# 11909
 Misc : WG2108428,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 28 11:00:50 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	32239	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	102.39%	
86) IS3_Acenaphthene-d10	7.303	164	71685	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	103.04%	
100) IS3_Phenanthrene-d10	8.752	188	143054	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	102.31%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.354	88	1913M1	0.498	ug/ml	
34) n-Decane	4.208	57	5982	0.512	ug/ml#	39
87) Atrazine	8.540	200	3093	0.464	ug/ml	92
101) n-Octadecane	8.761	57	8380	0.488	ug/ml#	1
102) Parathion	9.563	109	1693	1.026	ug/ml	89
103) 3,3'-Dimethylbenzidine	10.840	212	2910	1.493	ug/ml#	62

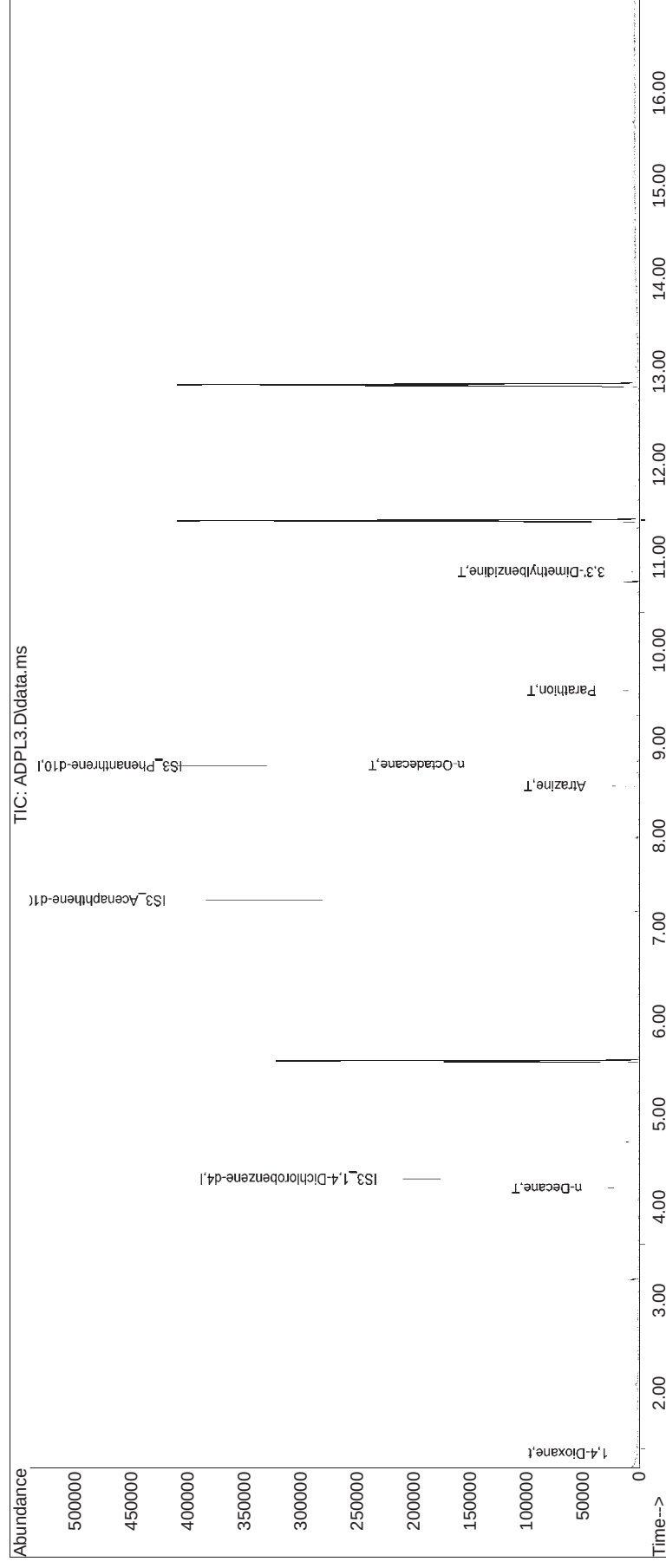
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
Data File : ADPL3.D
Acq On : 28 Aug 2025 5:36 am
Operator : SV106:smz
Sample : IL8,32,,ADPL0.5 Lot# 11909
Misc : WG2108428,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 28 11:00:50 2025
Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Thu Aug 28 10:46:52 2025
Response via : Initial Calibration

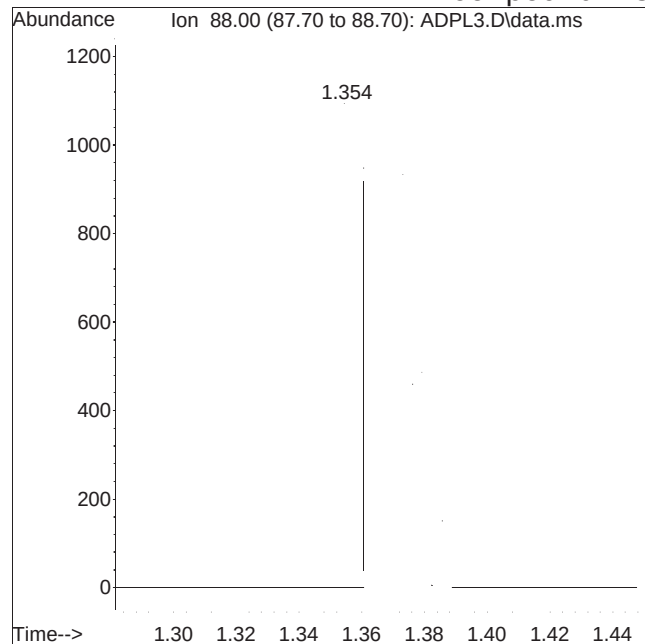
Sub List : ~~ADPIL8R250827ICAL\AP9L6.D~~•



Manual Integration Report

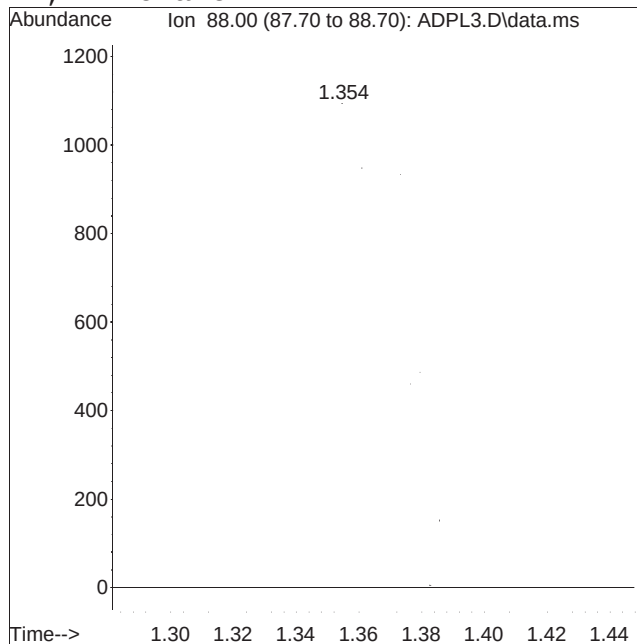
Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL3.D Operator : SV106:smz
Date Inj'd : 8/28/2025 5:36 am Instrument : SV 106
Sample : IL8,32,,ADPL0.5 Lot# 11909 Quant Date : 8/28/2025 11:01 am

Compound #33: 1,4-Dioxane



Original Peak Response = 968

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 1913 M1

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL2.D
 Acq On : 28 Aug 2025 5:58 am
 Operator : SV106:smz
 Sample : IL9,32,,ADPL0.2 Lot# 11910
 Misc : WG2108428,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 28 11:00:39 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.301	152	32958	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	104.68%	
86) IS3_Acenaphthene-d10	7.304	164	74605	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	107.24%	
100) IS3_Phenanthrene-d10	8.752	188	147477	4.000	ug/ml	0.00
Standard Area 2 = 139824			Recovery	=	105.47%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	998	0.254	ug/ml#	82
34) n-Decane	4.208	57	2586	0.217	ug/ml#	41
87) Atrazine	8.541	200	1247	0.180	ug/ml#	69
101) n-Octadecane	8.761	57	3536	0.200	ug/ml#	1
102) Parathion	9.563	109	596	0.817	ug/ml#	68
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.		

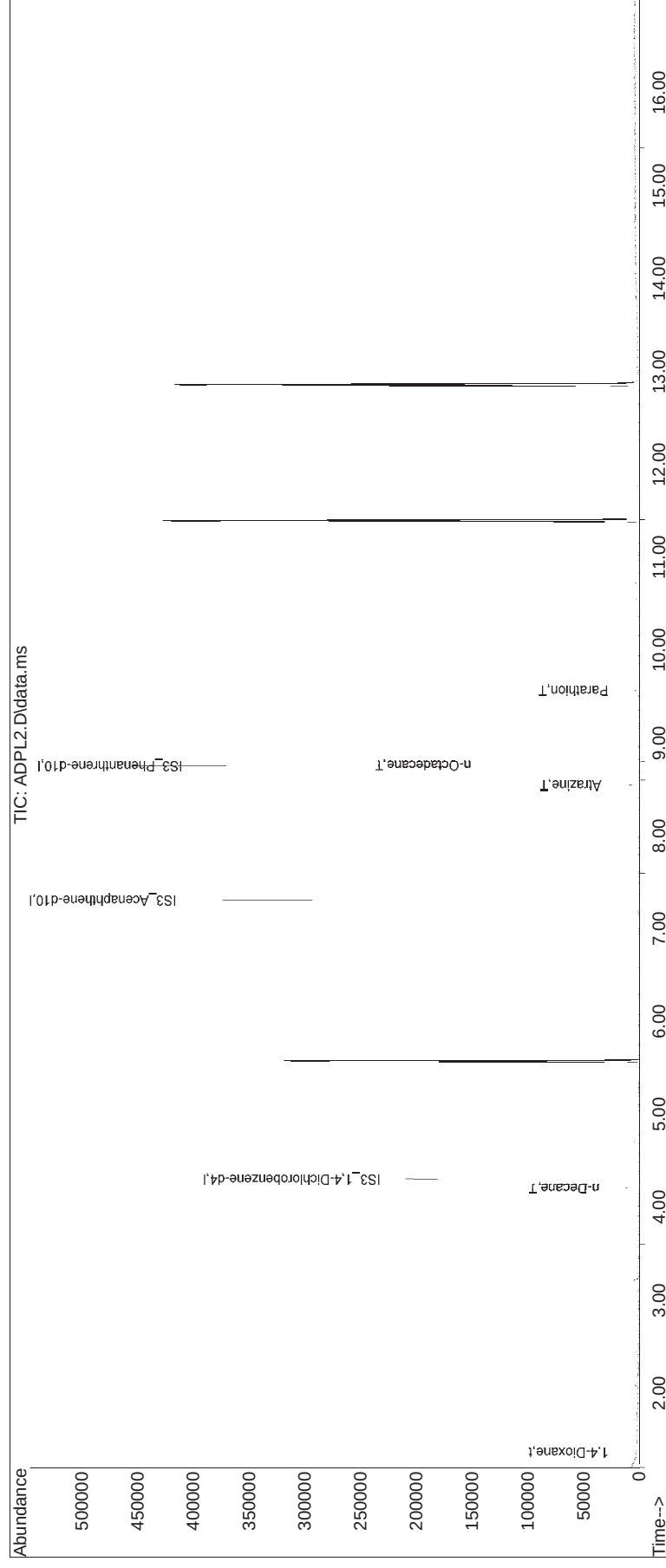
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL2.D
 Acq On : 28 Aug 2025 5:58 am
 Operator : SV106:smz
 Sample : IL9,32,,ADPL0.2 Lot# 11910
 Misc : WG2108428,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 28 11:00:39 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ~~ADPIL2.D~~ADPIL2.D\SV106R250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL2.D Operator : SV106:smz
Date Inj'd : 8/28/2025 5:58 am Instrument : SV 106
Sample : IL9,32,,ADPL0.2 Lot# 11910 Quant Date : 8/28/2025 11:00 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL1.D
 Acq On : 28 Aug 2025 6:19 am
 Operator : SV106:smz
 Sample : IL10,32,,ADPL0.1 Lot# 11911
 Misc : WG2108428,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 28 10:59:58 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	33445	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	106.23%	
86) IS3_Acenaphthene-d10	7.304	164	74969	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	107.76%	
100) IS3_Phenanthrene-d10	8.752	188	149354	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	106.82%	

System Monitoring Compounds

Target Compounds					Qvalue
33) 1,4-Dioxane	0.000		0	N.D.	
34) n-Decane	4.208	57	1213	0.100 ug/ml#	38
87) Atrazine	8.541	200	579	0.083 ug/ml#	33
101) n-Octadecane	8.761	57	1682	0.094 ug/ml#	1
102) Parathion	0.000		0	N.D.	
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.	

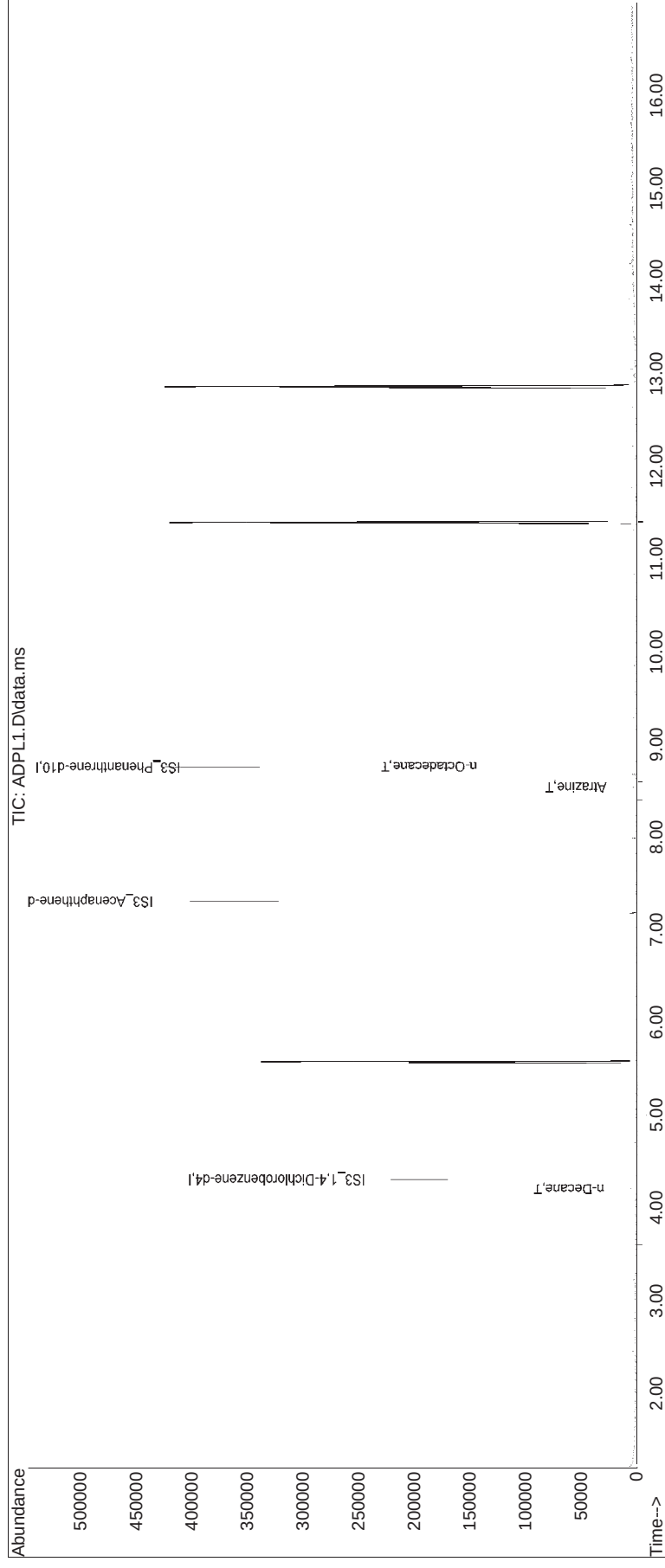
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPL1.D
 Acq On : 28 Aug 2025 6:19 am
 Operator : SV106:smz
 Sample : IL10,32,,ADPL0.1 Lot# 11911
 Misc : WG2108428,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 28 10:59:58 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : ADPita\8270\SV106\250827ICAL\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPL1.D Operator : SV106:smz
Date Inj'd : 8/28/2025 6:19 am Instrument : SV 106
Sample : IL10,32,,ADPL0.1 Lot# 1191

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9ICV.D
 Acq On : 28 Aug 2025 6:40 am
 Operator : SV106:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108428,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
28 T	Benzaldehyde	0.645	0.666	-3.3	98	0.00
29 T	Acetophenone	1.905	1.855	2.6	93	0.00
30 T	m-Toluidine	1.123	1.230	-9.5	95	0.00
31 T	2-Chloroaniline	1.724	1.729	-0.3	93	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	95	0.00
56 T	a-Terpineol	0.267	0.244	8.6	87	0.00
57 T	3-Chloroaniline	0.114	0.118	-3.5	91	0.00
58 T	2,6-Dichlorophenol	0.285	0.274	3.9	90	0.00
59 T	1-chloro-2-nitrobenzene	0.135	0.130	3.7	90	0.00
60 T	Caprolactam	0.142	0.137	3.5	88	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.373	0.358	4.0	93	0.00
62 T	Biphenyl	0.931	0.893	4.1	93	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	95	0.00
84 T	Dichloran	0.158	0.147	7.0	87	0.00
85 T	Pentachloronitrobenzene	0.154	0.152	1.3	88	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	95	0.00
99 T	Diphenamid	0.487	0.493	-1.2	92	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9ICV.D
 Acq On : 28 Aug 2025 6:40 am
 Operator : SV106:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108428,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.304	152	29013	4.000	ug/ml	0.00
Standard Area 3 = 30949			Recovery =	93.74%		
55) IS2_Naphthalene-d8	5.572	136	115892	4.000	ug/ml	0.00
Standard Area 3 = 122423			Recovery =	94.67%		
83) IS2_Acenaphthene-d10	7.304	164	67184	4.000	ug/ml	0.00
Standard Area 3 = 70701			Recovery =	95.03%		
98) IS2_Phenanthrene-d10	8.752	188	135766	4.000	ug/ml	# 0.00
Standard Area 3 = 142347			Recovery =	95.38%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.854	105	24138	5.160	ug/ml	91
29) Acetophenone	4.724	105	67278	4.869	ug/ml#	81
30) m-Toluidine	4.811	106	44605	5.478	ug/ml	96
31) 2-Chloroaniline	5.175	127	62713	5.016	ug/ml#	90
56) a-Terpineol	5.644	59	35384	4.573	ug/ml#	79
57) 3-Chloroaniline	5.653	65	17114	5.162	ug/ml	87
58) 2,6-Dichlorophenol	5.678	162	39717	4.807	ug/ml#	84
59) 1-chloro-2-nitrobenzene	5.936	111	18837	4.825	ug/ml#	1
60) Caprolactam	5.976	55	19888	4.842	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	6.458	216	51803	4.792	ug/ml	97
62) Biphenyl	6.760	154	129304	4.794	ug/ml	98
84) Dichloran	8.454	206	12363	4.648	ug/ml#	70
85) Pentachloronitrobenzene	8.600	237	12733	4.911	ug/ml#	85
99) Diphenamid	9.688	167	83713	5.067	ug/ml#	80

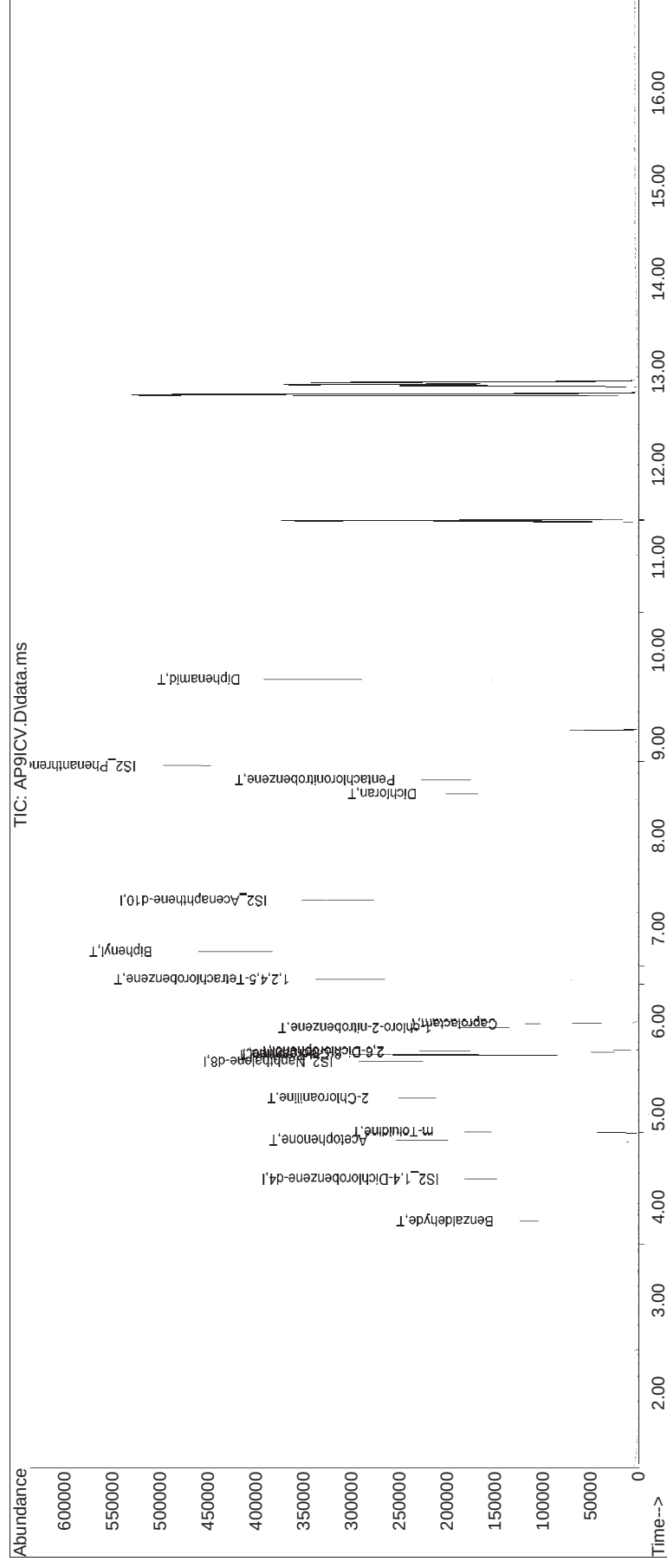
(#) = qualifier out of range (m) = manual integration (+) = signals summed

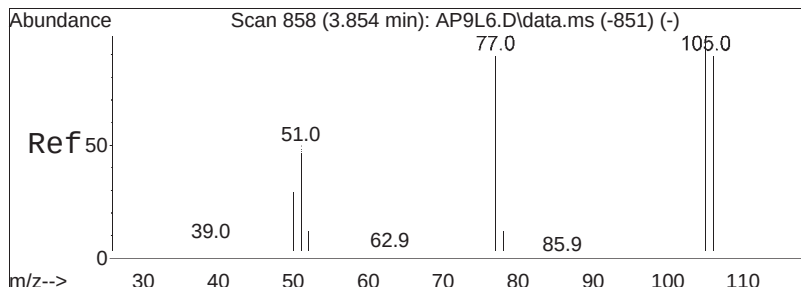
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : AP9ICV.D
 Acq On : 28 Aug 2025 6:40 am
 Operator : SV106:smz
 Sample : CQICV2,32,,AP9ICV Lot# 11932
 Misc : WG2108428,,
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 28 10:55:46 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 10:46:52 2025
 Response via : Initial Calibration

Sub List : AP9ICV\8270\SV106\250827ICAL\AP9L6.D•





#28

Benzaldehyde

Concen: 5.16 ug/ml

RT: 3.854 min Scan# 858

Delta R.T. -0.000 min

Lab File: AP9ICV.D

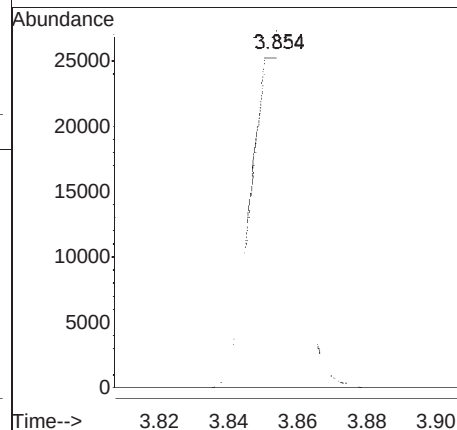
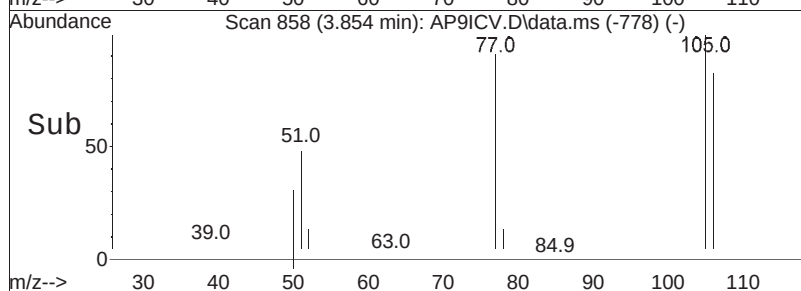
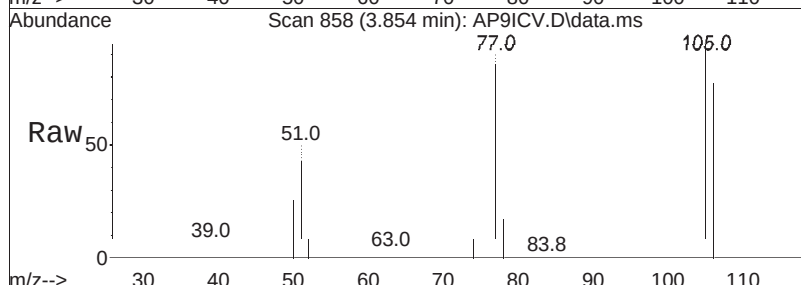
Acq: 28 Aug 2025 6:40 am

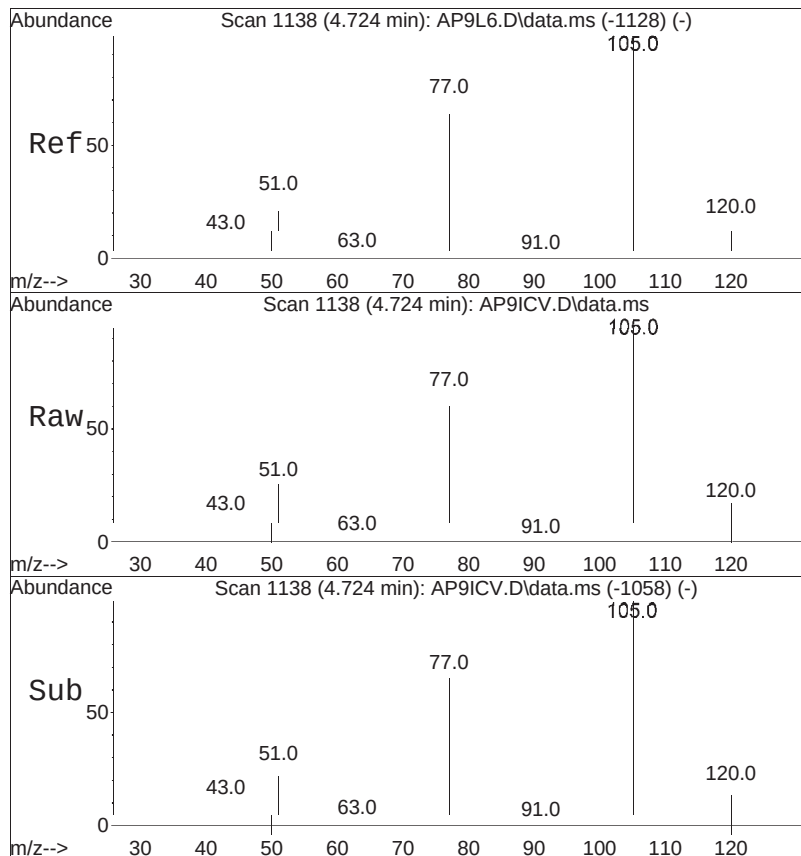
Tgt Ion:105 Resp: 24138

Ion Ratio Lower Upper

105 100

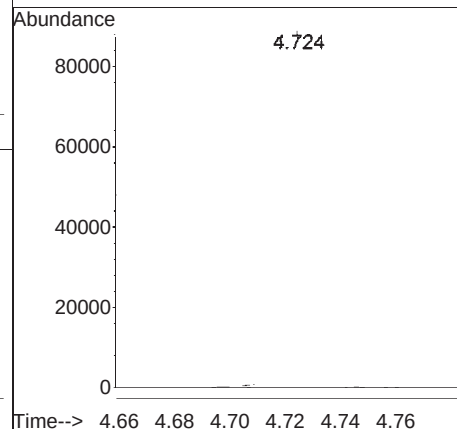
77 93.4 82.2 123.4

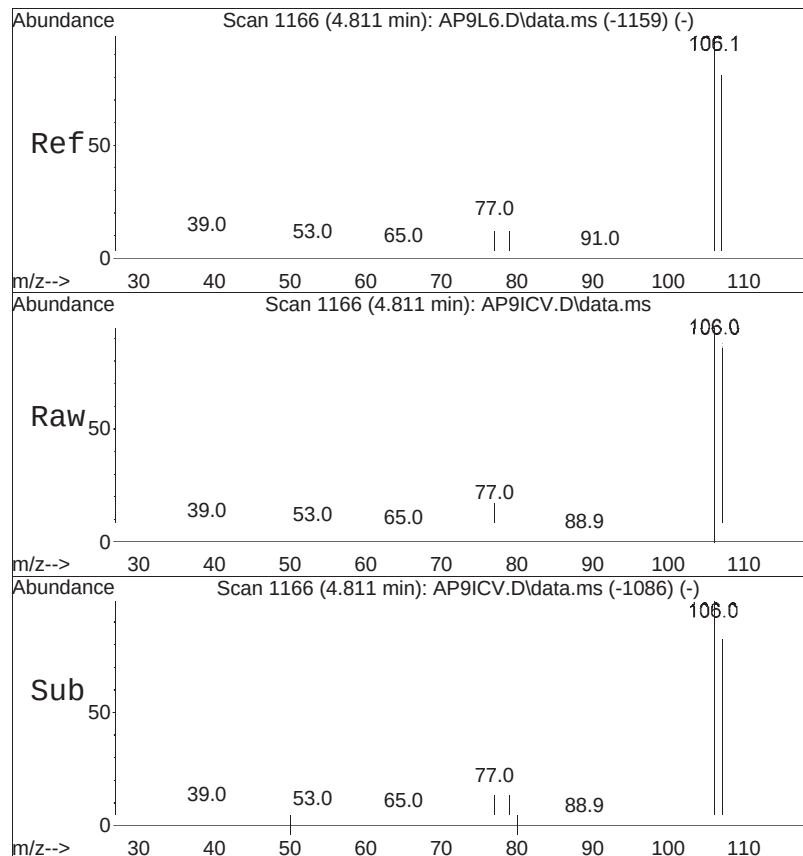




#29
 Acetophenone
 Concen: 4.87 ug/ml
 RT: 4.724 min Scan# 1138
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

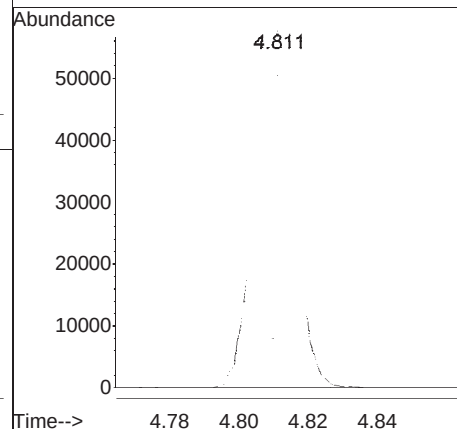
Tgt Ion	Ratio	Lower	Upper
105	100		
120	18.1	20.5	30.7#
51	29.6	34.9	52.3#

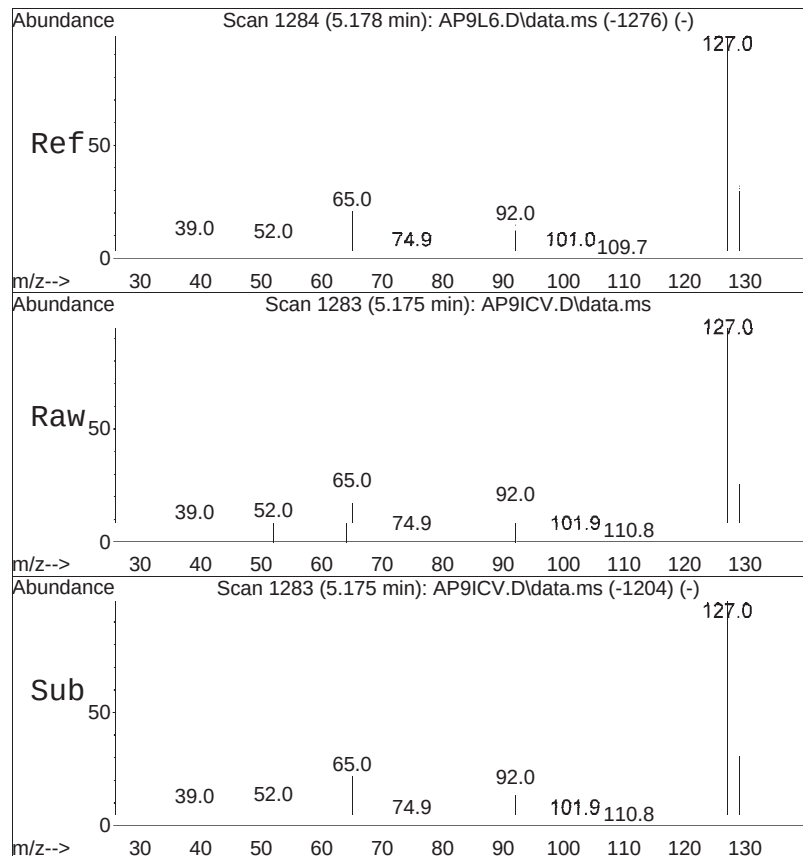




#30
 m-Toluidine
 Concen: 5.48 ug/ml
 RT: 4.811 min Scan# 1166
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

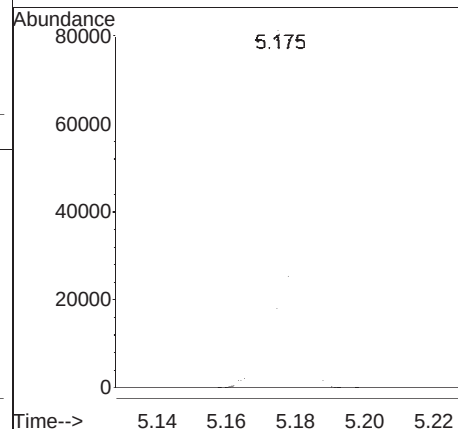
Tgt Ion	Ratio	Resp	Lower	Upper
106	100	44605		
107	90.0		75.7	113.5
79	14.3		11.8	17.8

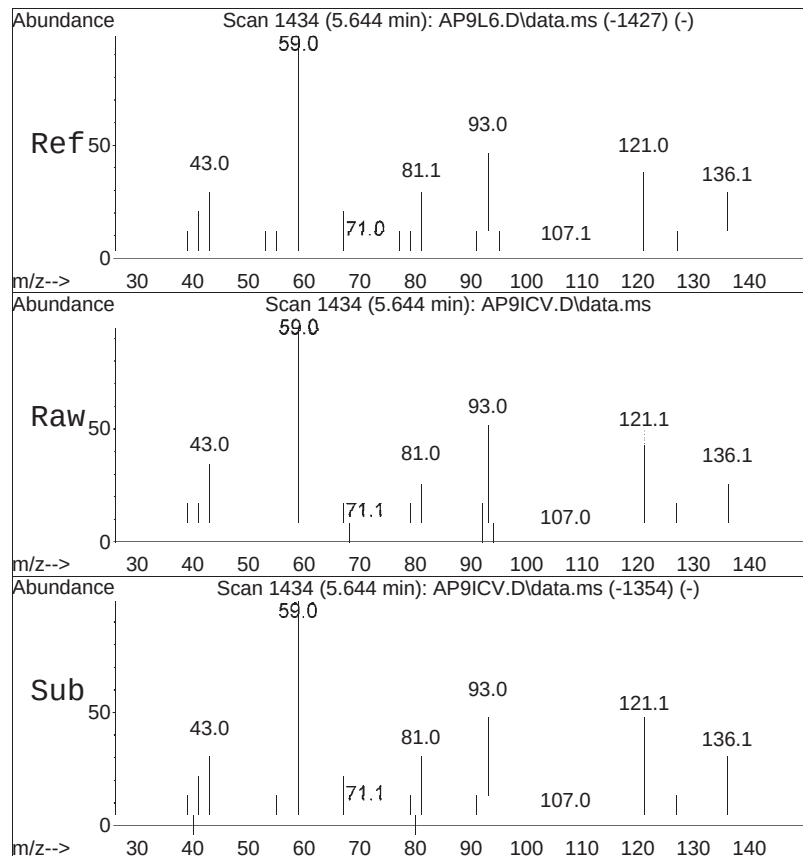




#31
 2-Chloroaniline
 Concen: 5.02 ug/ml
 RT: 5.175 min Scan# 1283
 Delta R.T. -0.003 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

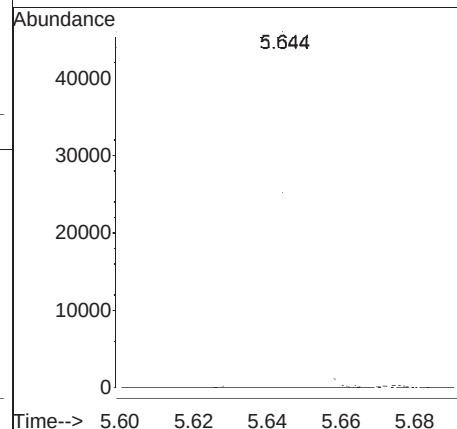
Tgt Ion:	127	Resp:	62713
Ion Ratio	Lower	Upper	
127	100		
129	32.3	25.9	38.9
65	22.2	26.3	39.5#

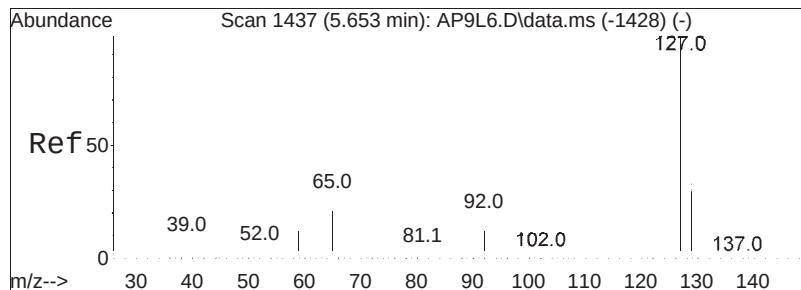




#56
a-Terpineol
Concen: 4.57 ug/ml
RT: 5.644 min Scan# 1434
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

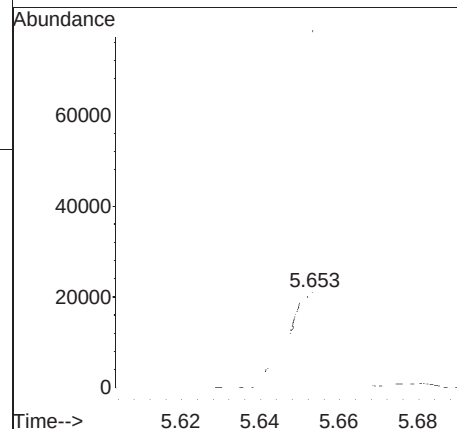
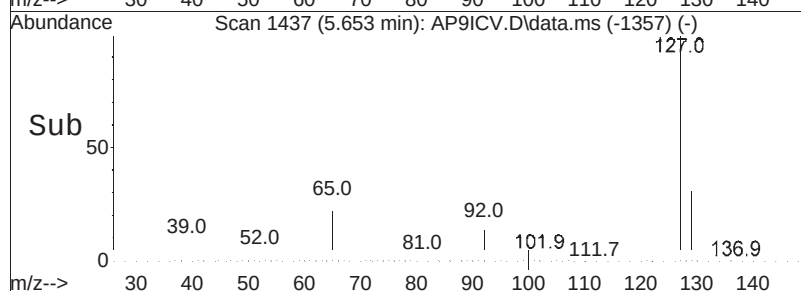
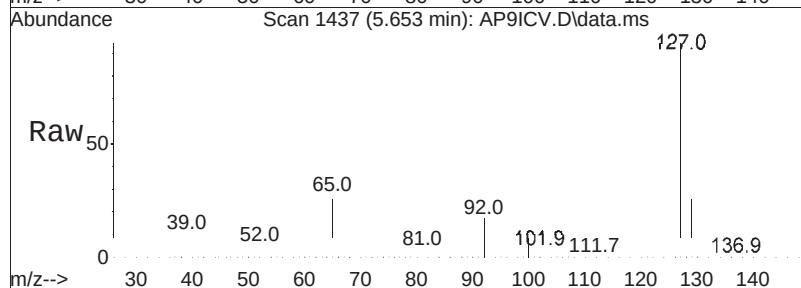
Tgt Ion	Ratio	Lower	Upper
59	100		
93	58.0	35.6	53.4#

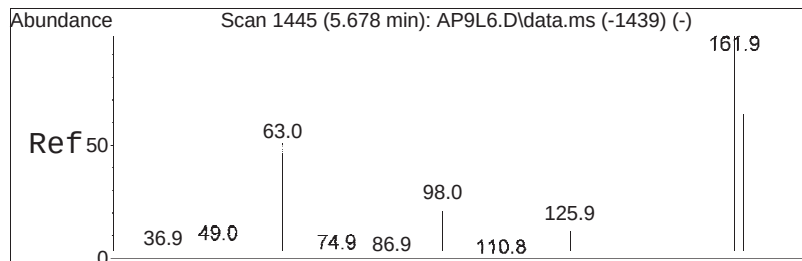




#57
 3-Chloroaniline
 Concen: 5.16 ug/ml
 RT: 5.653 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

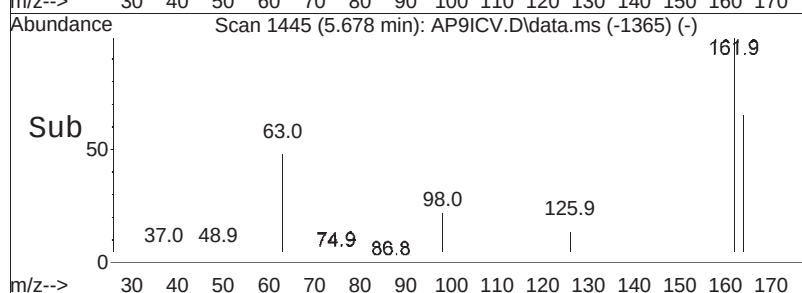
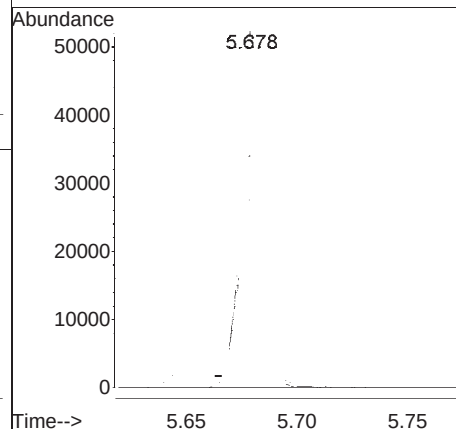
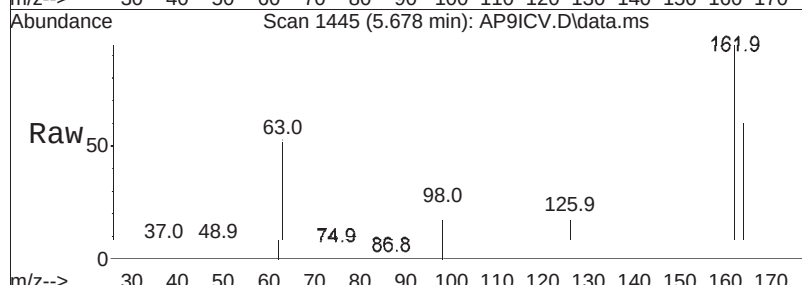
Tgt Ion:	65	Resp:	17114
Ion Ratio	Lower	Upper	
65	100		
127	331.5	243.2	364.8
129	106.8	78.8	118.2

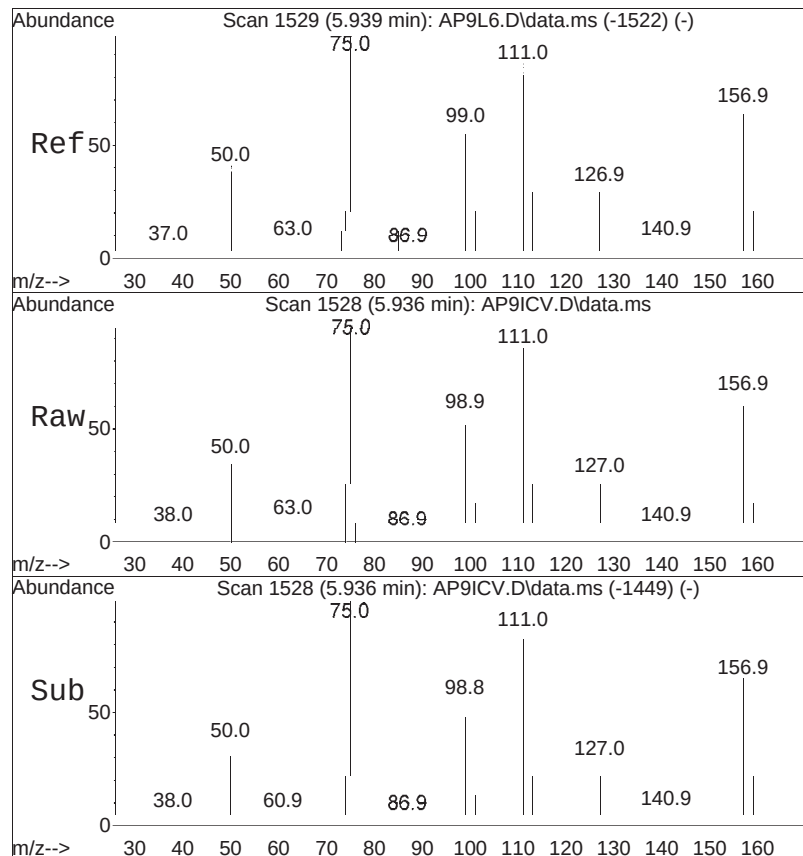




#58
 2,6-Dichlorophenol
 Concen: 4.81 ug/ml
 RT: 5.678 min Scan# 1445
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

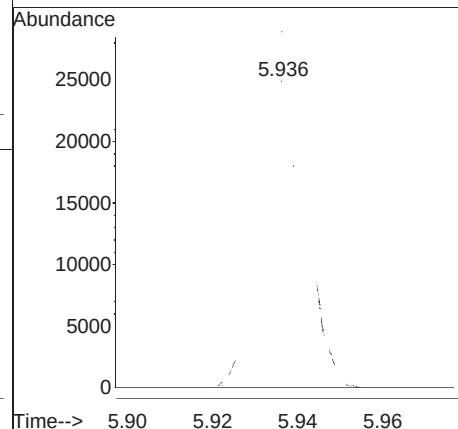
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.6	51.1	76.7
63	53.0	60.8	91.2#

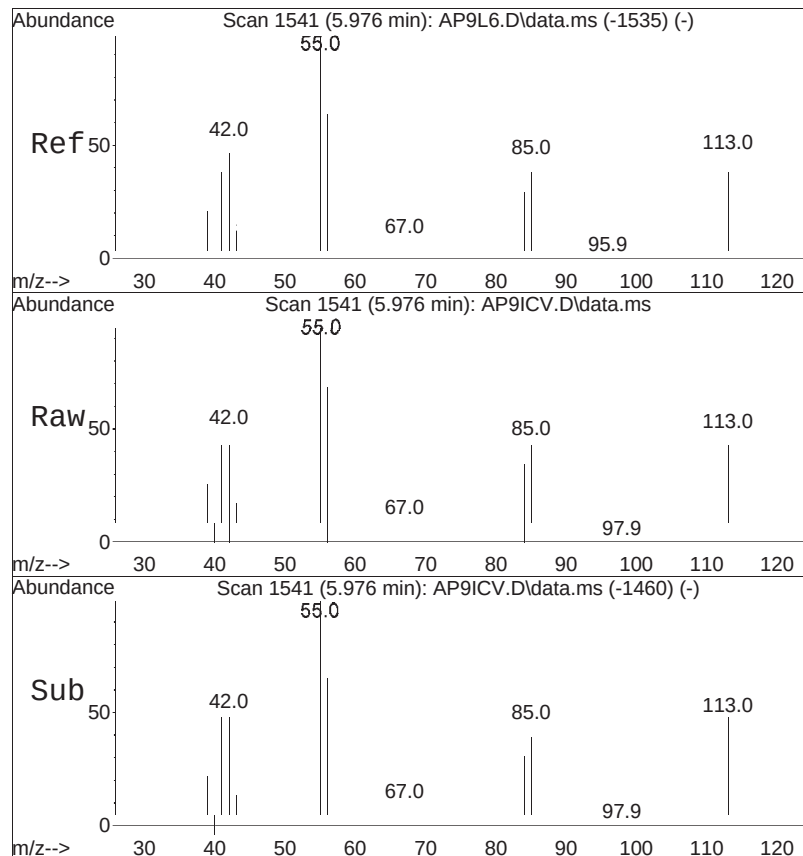




#59
 1-chloro-2-nitrobenzene
 Concen: 4.83 ug/ml
 RT: 5.936 min Scan# 1528
 Delta R.T. -0.003 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

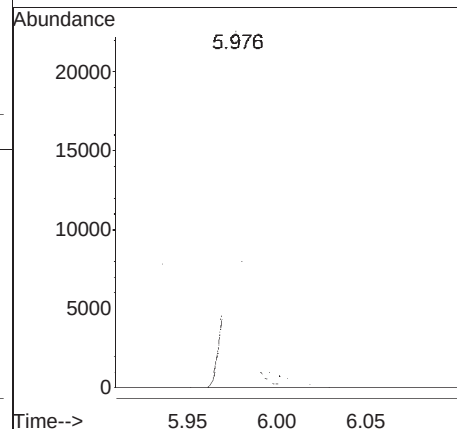
Tgt Ion:	111	Resp:	18837
Ion Ratio	Lower	Upper	
111	100		
157	75.2	0.0	0.0#
75	114.6	28.2	42.2#

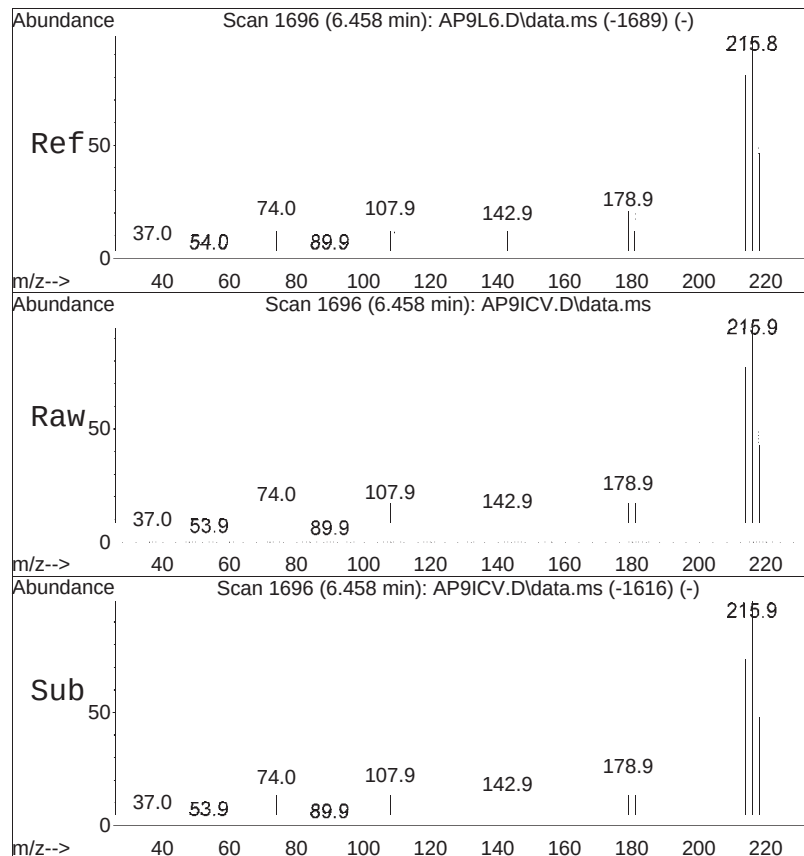




#60
 Caprolactam
 Concen: 4.84 ug/ml
 RT: 5.976 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

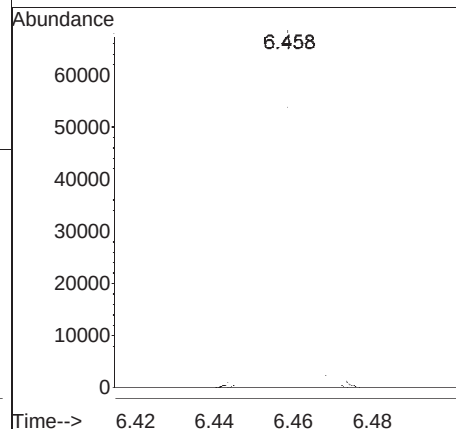
Tgt Ion	Ratio	Lower	Upper
55	100		
85	43.0	19.8	29.6#
113	46.6	29.6	44.4#

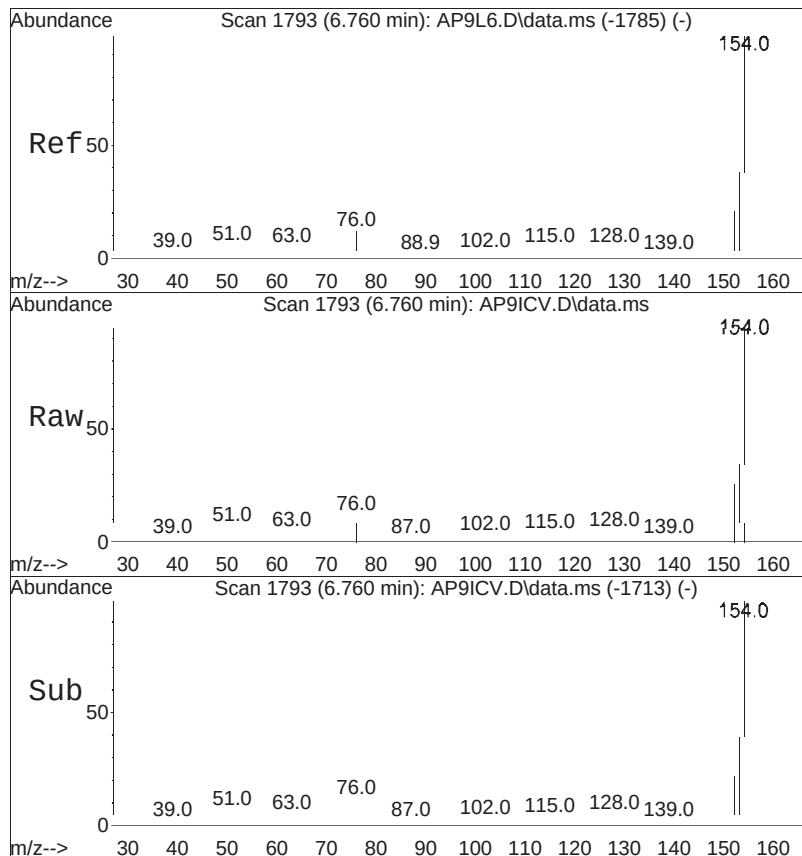




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.79 ug/ml
 RT: 6.458 min Scan# 1696
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

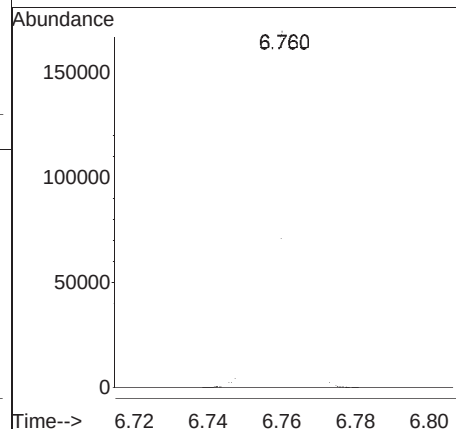
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	51803		
214	80.7		63.7	95.5
179	20.6		19.0	28.6

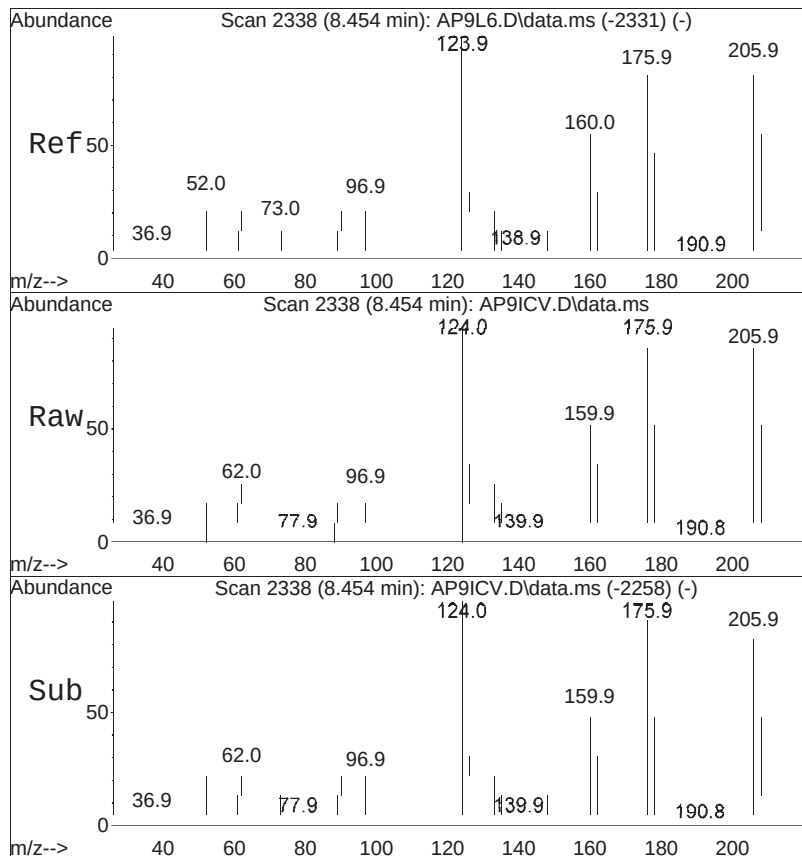




#62
 Biphenyl
 Concen: 4.79 ug/ml
 RT: 6.760 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

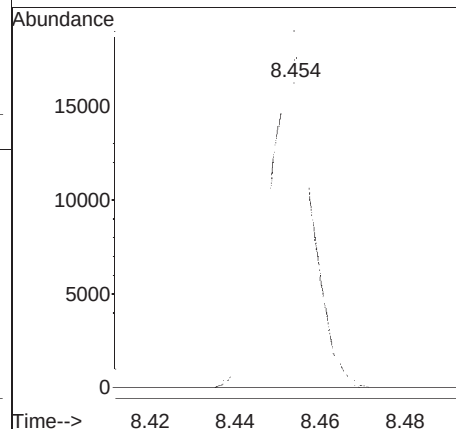
Tgt Ion:	154	Resp:	129304
Ion Ratio	Lower	Upper	
154	100		
153	42.2	32.3	48.5
152	28.9	22.5	33.7

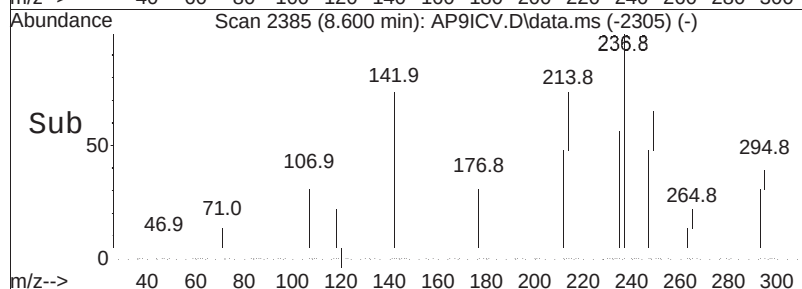
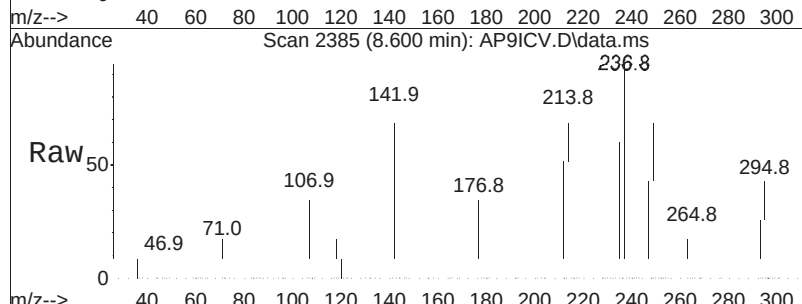
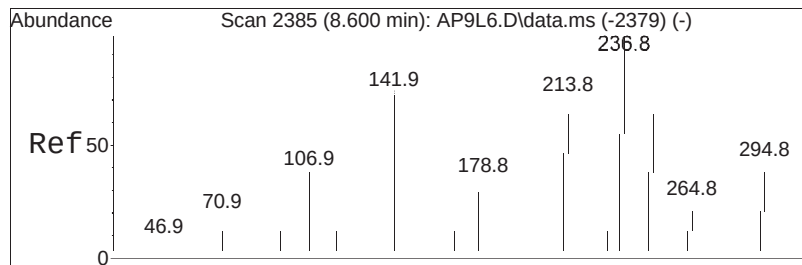




#84
 Dichloran
 Concen: 4.65 ug/ml
 RT: 8.454 min Scan# 2338
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

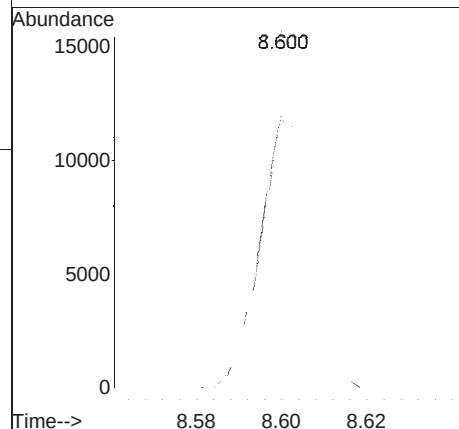
Tgt Ion	Ratio	Lower	Upper
206	100		
176	100.1	104.6	157.0#
124	120.0	130.5	195.7#

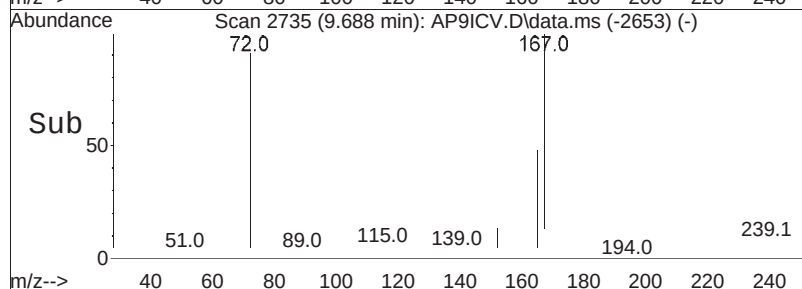
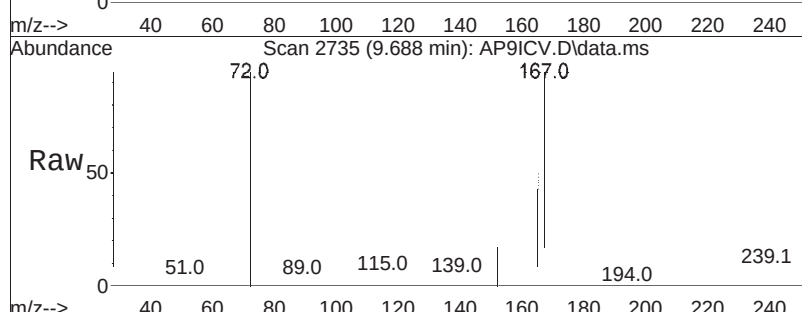
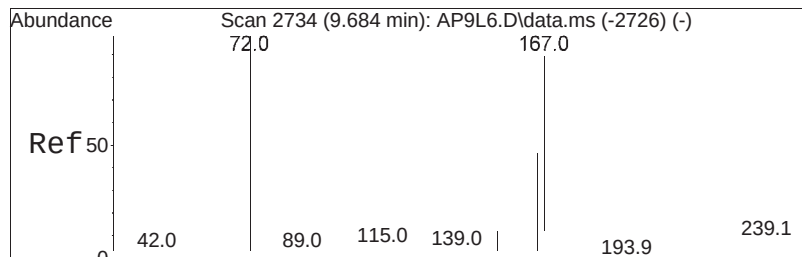




#85
 Pentachloronitrobenzene
 Concen: 4.91 ug/ml
 RT: 8.600 min Scan# 2385
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 28 Aug 2025 6:40 am

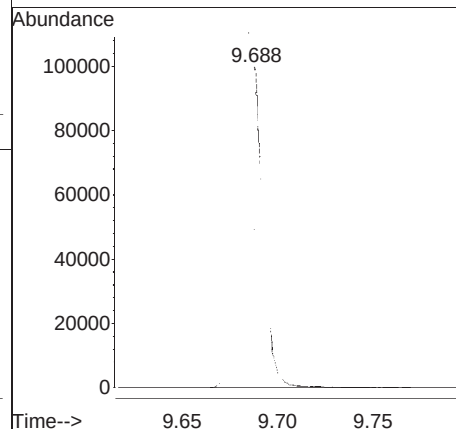
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	12733		
142	74.6		77.0	115.4#
214	77.3		58.2	87.4





#99
Diphenamid
Concen: 5.07 ug/ml
RT: 9.688 min Scan# 2735
Delta R.T. 0.004 min
Lab File: AP9ICV.D
Acq: 28 Aug 2025 6:40 am

Tgt Ion	Ratio	Lower	Upper
167	100		
72	104.4	109.7	164.5#
165	50.2	41.8	62.6



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : AP9ICV.D Operator : SV106:smz
Date Inj'd : 8/28/2025 6:40 am Instrument : SV 106
Sample : CQICV2,32,,AP9ICV Lot# 119Quant Date

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPICV.D
 Acq On : 28 Aug 2025 7:02 am
 Operator : SV106:smz
 Sample : CQICV,32,,ADPICV Lot# 11914
 Misc : WG2108428,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 07:27:17 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
33 t	1,4-Dioxane	0.477	0.400	16.1	89	0.00
34 T	n-Decane	1.449	1.195	17.5	84	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	101	0.00
87 T	Atrazine	0.372	0.324	12.9	87	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
101 T	n-Octadecane	0.480	0.408	15.0	85	0.00
102 T	Parathion	* 5.000	3.504	29.9#	79	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	3.910	21.8#	77	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPICV.D
 Acq On : 28 Aug 2025 7:02 am
 Operator : SV106:smz
 Sample : CQICV,32,,ADPICV Lot# 11914
 Misc : WG2108428,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Aug 28 07:27:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250827ICAL\ABNL6.D
 : 2 - I:\8270\SV106\250827ICAL\ADPL6.D
 : 3 - I:\8270\SV106\250827ICAL\AP9L6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.304	152	31602	4.000	ug/ml	0.00
Standard Area 2 = 31485			Recovery	=	100.37%	
86) IS3_Acenaphthene-d10	7.303	164	70365	4.000	ug/ml	0.00
Standard Area 2 = 69570			Recovery	=	101.14%	
100) IS3_Phenanthrene-d10	8.752	188	142062	4.000	ug/ml	# 0.00
Standard Area 2 = 139824			Recovery	=	101.60%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.361	88	15794	4.193	ug/ml#	78
34) n-Decane	4.208	57	47211	4.123	ug/ml#	39
87) Atrazine	8.544	200	28529	4.360	ug/ml	92
101) n-Octadecane	8.761	57	72478	4.253	ug/ml#	1
102) Parathion	9.566	109	14819	3.504	ug/ml	98
103) 3,3'-Dimethylbenzidine	10.844	212	86540	3.910	ug/ml	98

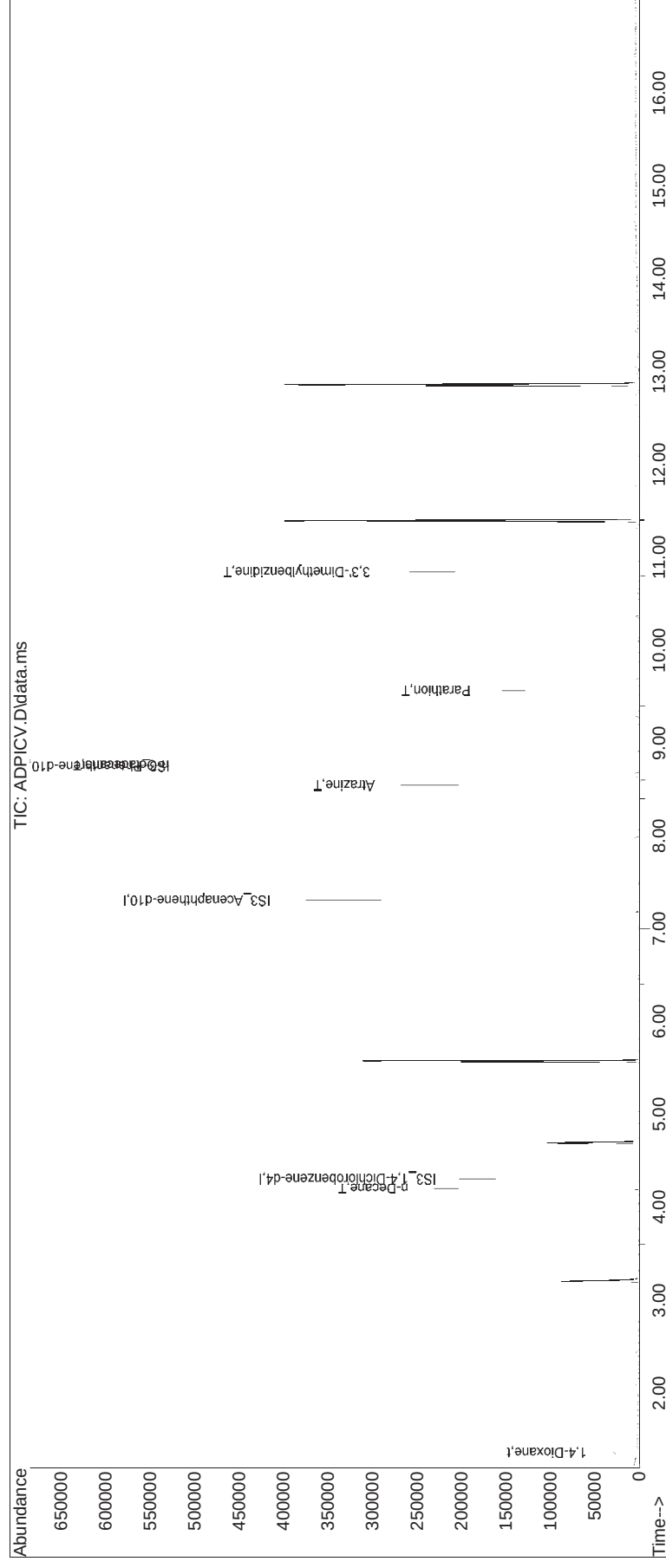
(#) = qualifier out of range (m) = manual integration (+) = signals summed

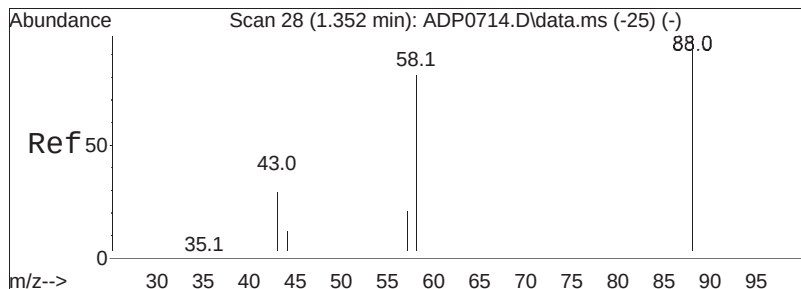
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250827ICAL\
 Data File : ADPICV.D
 Acq On : 28 Aug 2025 7:02 am
 Operator : SV106:smz
 Sample : CQICV,32,,ADPICV Lot# 11914
 Misc : WG2108428,,
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 28 07:26:41 2025
 Quant Method : I:\8270\SV106\250827ICAL\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Thu Aug 28 07:27:17 2025
 Response via : Initial Calibration

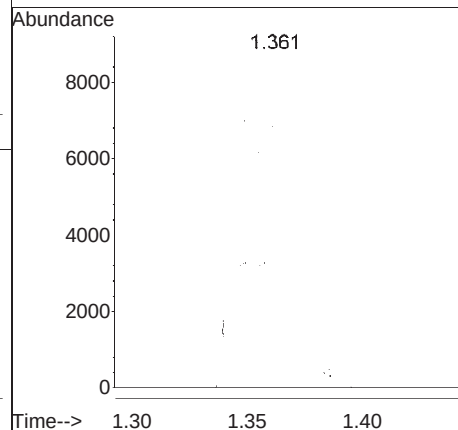
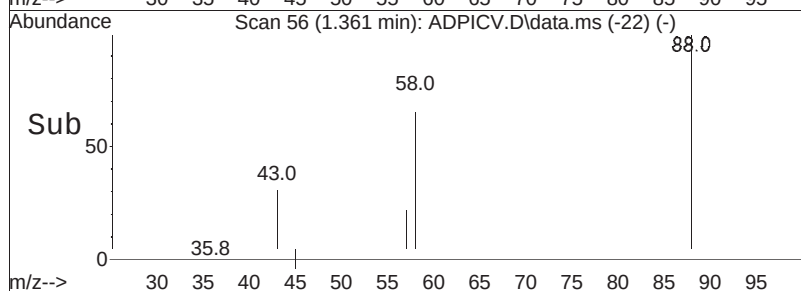
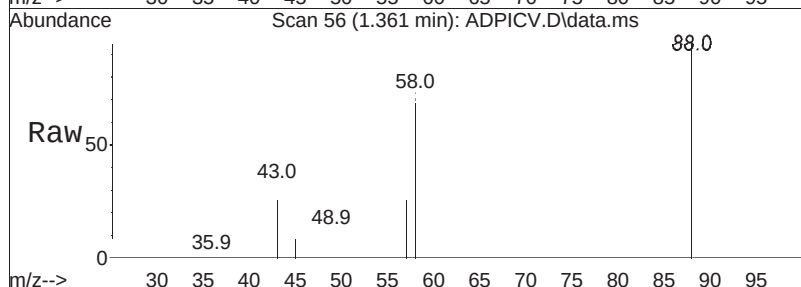
Sub List : ADPICV\8270\SV106\250827ICAL\AP9L6.D•

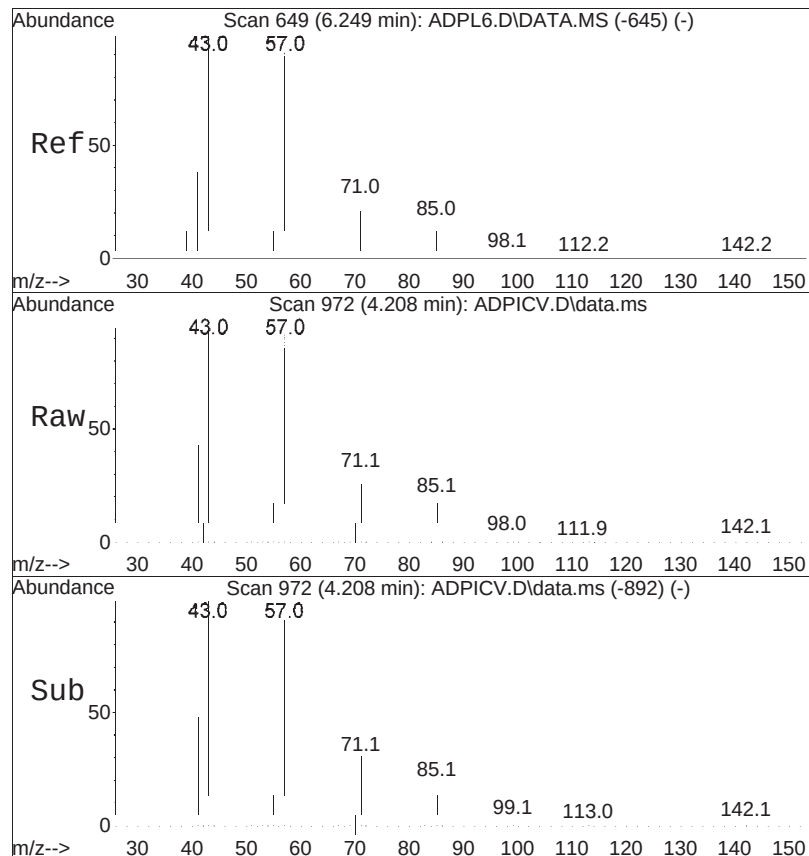




#33
 1,4-Dioxane
 Concen: 4.19 ug/ml
 RT: 1.361 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

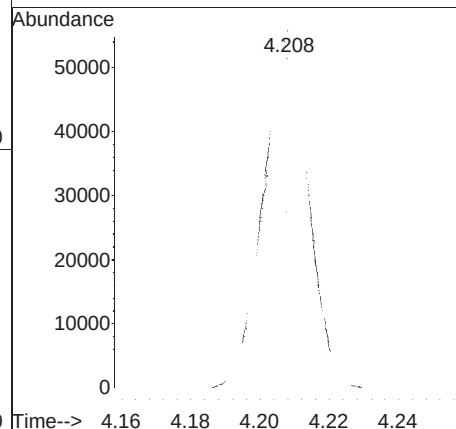
Tgt Ion: 88 Resp: 15794
 Ion Ratio Lower Upper
 88 100
 58 35.8 44.8 67.2#
 43 34.1 22.4 33.6#

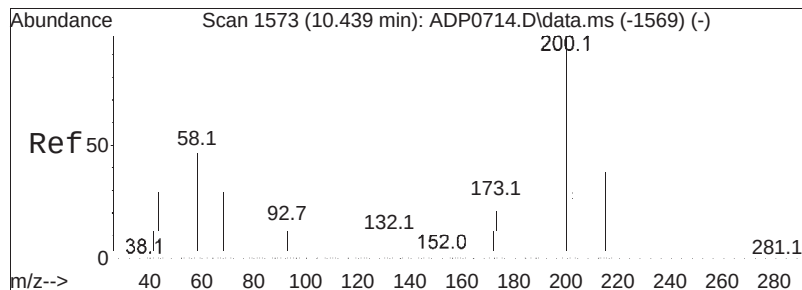




#34
 n-Decane
 Concen: 4.12 ug/ml
 RT: 4.208 min Scan# 972
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

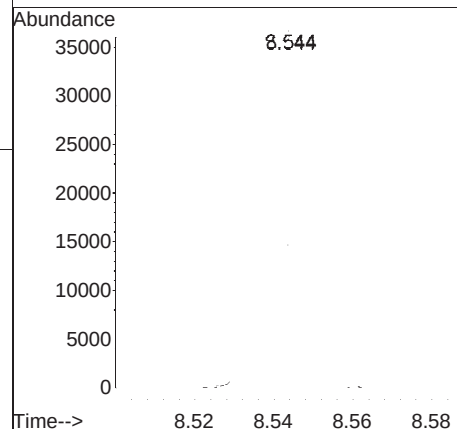
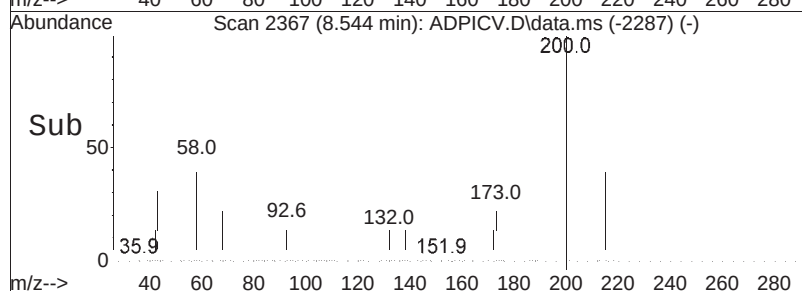
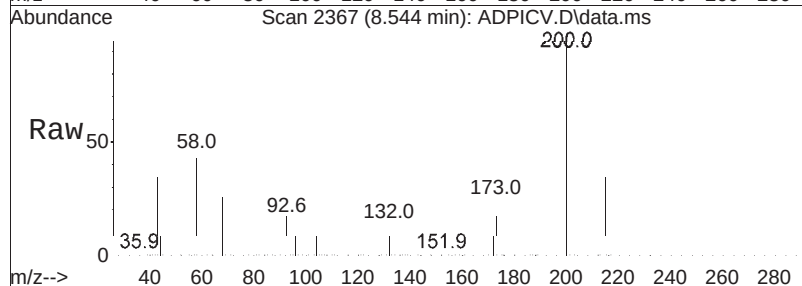
Tgt Ion	Ratio	Lower	Upper
57	100		
43	104.6	0.2	0.2#
41	52.9	0.2	0.2#

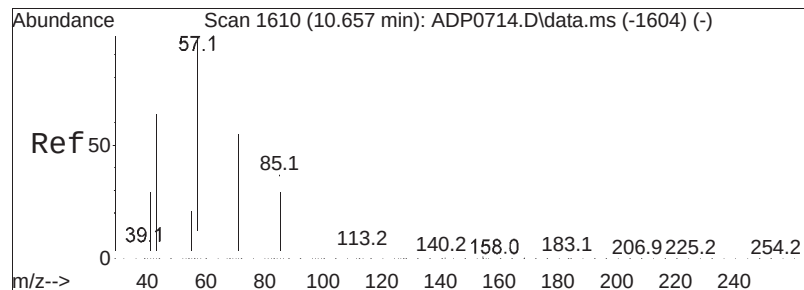




#87
 Atrazine
 Concen: 4.36 ug/ml
 RT: 8.544 min Scan# 2367
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

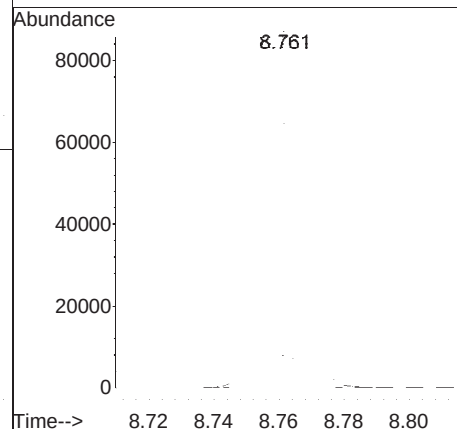
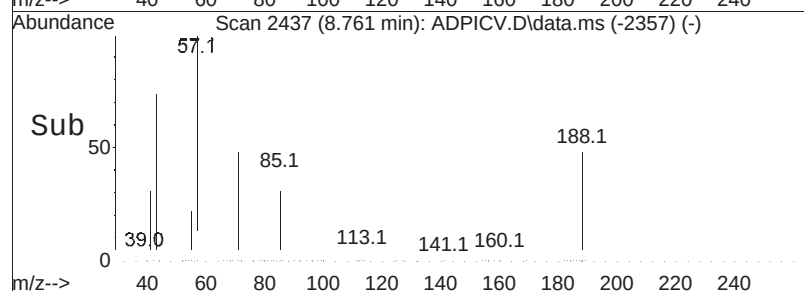
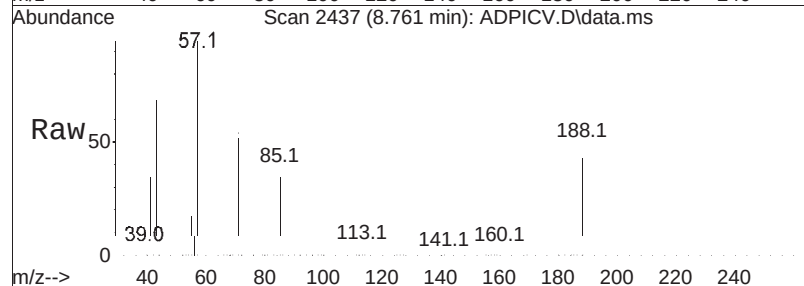
Tgt Ion:	200	Resp:	28529
Ion Ratio	Lower	Upper	
200	100		
202	32.7	25.8	38.6
215	42.1	40.2	60.4

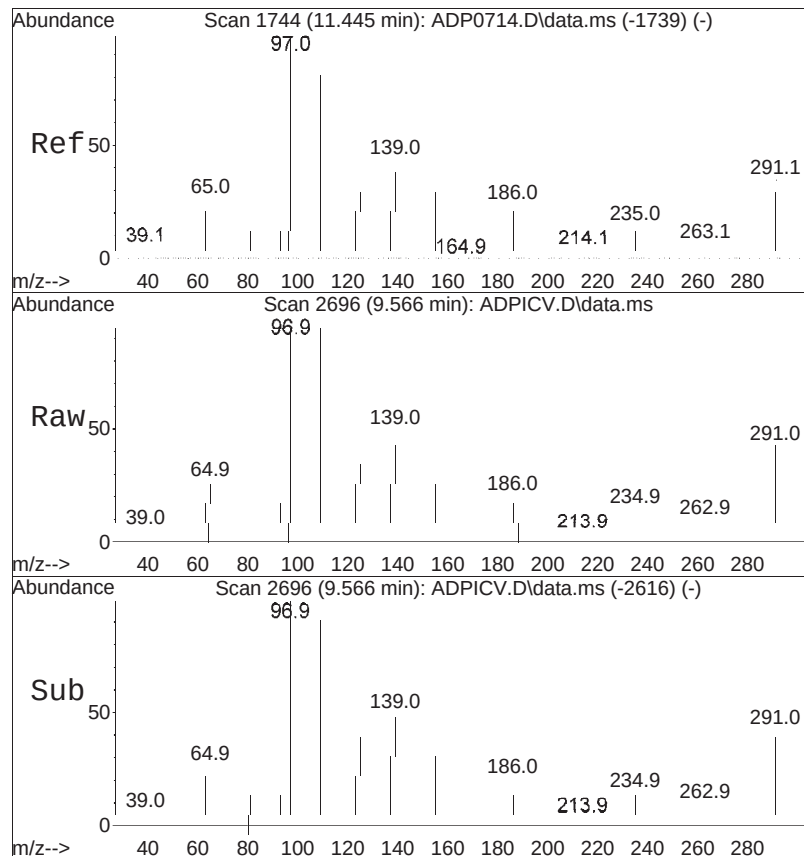




#101
 n-Octadecane
 Concen: 4.25 ug/ml
 RT: 8.761 min Scan# 2437
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

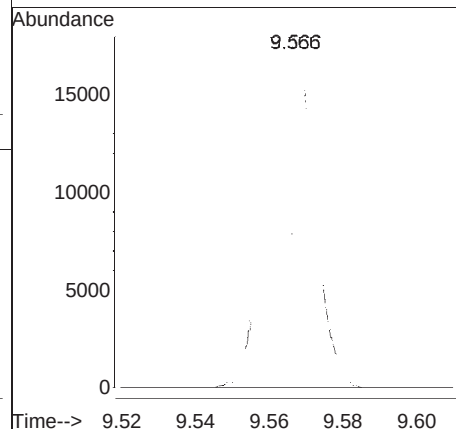
Tgt Ion:	57	Resp:	72478
Ion Ratio	Lower	Upper	
57	100		
43	77.3	9.0	13.6#
70	9.4	0.2	0.2#

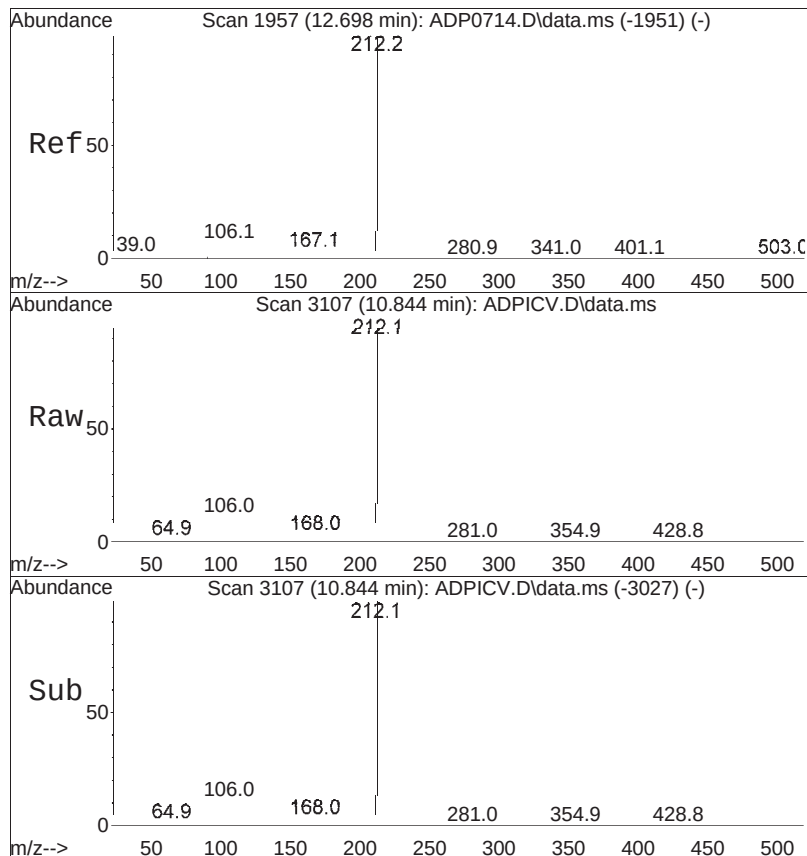




#102
 Parathion
 Concen: 3.50 ug/ml
 RT: 9.566 min Scan# 2696
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

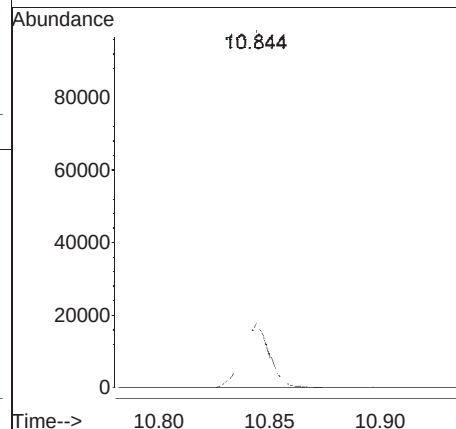
Tgt Ion	109	Resp	14819
Ion Ratio	Lower	Upper	
109	100		
97	111.3	87.4	131.2
291	42.4	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 3.91 ug/ml
 RT: 10.844 min Scan# 3107
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 28 Aug 2025 7:02 am

Tgt Ion:	212	Resp:	86540
Ion Ratio	Lower	Upper	
212	100		
211	17.0	12.9	19.3
213	17.3	13.2	19.8



Manual Integration Report

Data Path : I:\8270\SV106\250827ICAL\ QMethod : FS250827SV106.m
Data File : ADPICV.D Operator : SV106:smz
Date Inj'd : 8/28/2025 7:02 am Instrument : SV 106
Sample : CQICV,32,,ADPICV Lot# 1191

There are no manual integrations or false positives in this file.

Method Path : I:\8270\SV106\250827ICAL\
Method File : FS250827SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Aug 28 09:56:36 2025

COMPOUND		CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
-----		-----							
37 T	Benzoic Acid	L	ug/ml	5.0	4.355	-12.9	1.00	1.227	22.7
102 T	Parathion	L	ug/ml	5.0	4.309	-13.8	1.00	1.314	31.4
103 T	3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.718	-5.6	2.50	2.761	10.4

Calibration Correlation Report

COMPOUND		CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
-----		-----				
37 T	Benzoic Acid	Linear	0.997218	0.000000	0.271905	-0.0504247
102 T	Parathion	Linear	0.993772	0.000000	0.149294	-0.0264501
103 T	3,3'-Dimethylbenzidine	Linear	0.997019	0.000000	0.974468	-0.343452

Continuing Calibration

Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : ABN0908
 Sample No : WG2111831-3
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/08/25 06:21
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
n-Nitrosodimethylamine	0.66	0.668	-	-1.2	20	111	0
Pyridine	1.131	1.119	-	1.1	20	105	0
2-Fluorophenol	1.106	1.117	-	-1	20	108	0
Aniline	1.738	1.77	-	-1.8	20	108	0
2-Chlorophenol	1.332	1.345	-	-1	20	109	0
Phenol-d6	1.318	1.38	-	-4.7	20	114	0
Phenol	1.441	1.472	-	-2.2	20	112	0
Bis(2-chloroethyl)ether	1.143	1.147	-	-0.3	20	111	0
1,3-Dichlorobenzene	1.598	1.567	-	1.9	20	108	0
1,4-Dichlorobenzene	1.634	1.594	-	2.4	20	109	0
1,2-Dichlorobenzene	1.572	1.528	-	2.8	20	109	0
Benzyl alcohol	0.964	0.956	-	0.8	20	109	0
Bis(2-chloroisopropyl)ethe	1.867	1.862	-	0.3	20	111	0
2-Methylphenol	1.104	1.126	-	-2	20	111	0
Hexachloroethane	0.602	0.603	-	-0.2	20	108	0
n-Nitrosodi-n-propylamine	0.815	0.816	-	-0.1	20	108	0
3-Methylphenol/4-Methylphe	1.207	1.244	-	-3.1	20	114	0
Nitrobenzene-d5	1.226	1.217	-	0.7	20	108	0
Nitrobenzene	1.26	1.279	-	-1.5	20	109	0
Isophorone	2.296	2.197	-	4.3	20	104	0
2-Nitrophenol	0.64	0.67	-	-4.7	20	112	0
2,4-Dimethylphenol	1.271	1.285	-	-1.1	20	107	0
Bis(2-chloroethoxy)methane	1.546	1.532	-	0.9	20	110	0
2,4-Dichlorophenol	1.17	1.194	-	-2.1	20	108	0
1,2,4-Trichlorobenzene	1.374	1.332	-	3.1	20	108	0
IS1_Naphthalene-d8	1	1	-	0	20	112	0
Naphthalene	1.082	1.042	-	3.7	20	108	0
Benzoic Acid	5	4.074	-	18.5	20	103	0
4-Chloroaniline	0.117	0.116	-	0.9	20	106	0
Hexachlorobutadiene	0.2	0.189	-	5.5	20	105	0
p-Chloro-m-cresol	0.284	0.279	-	1.8	20	108	0
2-Methylnaphthalene	0.641	0.648	-	-1.1	20	114	0
1-Methylnaphthalene	0.227	0.219	-	3.5	20	109	0
Hexachlorocyclopentadiene	0.254	0.237	-	6.7	20	102	0
2,4,6-Trichlorophenol	0.213	0.228	-	-7	20	112	0
2,4,5-Trichlorophenol	0.239	0.244	-	-2.1	20	108	0
2-Fluorobiphenyl	0.821	0.768	-	6.5	20	106	0
2-Chloronaphthalene	0.727	0.694	-	4.5	20	107	0
2-Nitroaniline	0.206	0.214	-	-3.9	20	106	0
1,4-Dinitrobenzene	0.097	0.094	-	3.1	20	103	0
1,3-Dinitrobenzene	0.112	0.113	-	-0.9	20	105	0
Dimethyl phthalate	0.857	0.802	-	6.4	20	103	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : ABN0908
 Sample No : WG2111831-3
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/08/25 06:21
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.142	-	2.4	20	105	0
2,6-Dinitrotoluene	0.167	0.165	-	1.2	20	105	0
1,2-Dinitrobenzene	0.073	0.075	-	-2.7	20	105	0
IS1_Acenaphthene-d10	1	1	-	0	20	111	0
3-Nitroaniline	0.342	0.348	-	-1.8	20	106	0
Acenaphthene	1.136	1.075	-	5.4	20	106	0
2,4-Dinitrophenol	0.166	0.136	-	18.1	20	95	0
Dibenzofuran	1.844	1.741	-	5.6	20	106	0
2,4-Dinitrotoluene	0.385	0.399	-	-3.6	20	103	0
4-Nitrophenol	0.238	0.251	-	-5.5	20	111	0
2,3,5,6-Tetrachlorophenol	0.34	0.353	-	-3.8	20	106	0
2,3,4,6-Tetrachlorophenol	0.33	0.335	-	-1.5	20	101	0
Diethyl phthalate	1.516	1.382	-	8.8	20	100	0
Fluorene	1.447	1.35	-	6.7	20	105	0
4-Chlorophenyl phenyl ethe	0.688	0.632	-	8.1	20	102	0
4-Nitroaniline	0.337	0.342	-	-1.5	20	103	0
4,6-Dinitro-o-cresol	0.214	0.206	-	3.7	20	104	0
NDPA/DPA	1.209	1.146	-	5.2	20	102	0
Azobenzene	1.272	1.219	-	4.2	20	102	0
2,4,6-Tribromophenol	0.194	0.177	-	8.8	20	98	0
4-Bromophenyl phenyl ether	0.424	0.375	-	11.6	20	100	0
Hexachlorobenzene	0.475	0.419	-	11.8	20	101	0
Pentachlorophenol	0.28	0.257	-	8.2	20	103	0
IS1_Phenanthrene-d10	1	1	-	0	20	108	0
Phenanthrene	1.202	1.104	-	8.2	20	102	0
Anthracene	1.178	1.109	-	5.9	20	102	0
Carbazole	1.081	1.065	-	1.5	20	103	0
Di-n-butylphthalate	1.266	1.199	-	5.3	20	97	0
Fluoranthene	1.296	1.216	-	6.2	20	101	0
Benzidine	0.831	0.759	-	8.7	20	98	0
Pyrene	1.383	1.296	-	6.3	20	101	0
4-Terphenyl-d14	0.982	0.869	-	11.5	20	98	0
Butyl benzyl phthalate	0.529	0.523	-	1.1	20	100	0
IS1_Chrysene-d12	1	1	-	0	20	107	0
Benzo(a)anthracene	1.349	1.282	-	5	20	104	0
3,3'-Dichlorobenzidine	0.464	0.454	-	2.2	20	98	0
Chrysene	1.336	1.224	-	8.4	20	103	0
Bis(2-ethylhexyl)phthalate	0.846	0.82	-	3.1	20	97	0
Di-n-octylphthalate	1.419	1.364	-	3.9	20	101	0
Benzo(b)fluoranthene	1.278	1.277	-	0.1	20	110	0
Benzo(k)fluoranthene	1.303	1.291	-	0.9	20	104	0
Benzo(a)pyrene	1.197	1.218	-	-1.8	20	107	0
IS1_Perylene-d12	1	1	-	0	20	112	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV106
Lab File ID : ABN0908
Sample No : WG2111831-3
Channel :

Lab Number : L2555938
Project Number : 2232.0006Y005
Calibration Date : 09/08/25 06:21
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.093	-	4.2	20	107	0
Dibenzo(a,h)anthracene	1.181	1.14	-	3.5	20	107	0
Benzo(ghi)perylene	1.164	1.123	-	3.5	20	110	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : AP90908
 Sample No : WG2111831-4
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/08/25 06:43
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	129	0
Benzaldehyde	0.645	0.798	-	-23.7*	20	163	0
Acetophenone	1.905	1.787	-	6.2	20	123	0
m-Toluidine	1.123	1.398	-	-24.5*	20	149	0
2-Chloroaniline	1.724	1.694	-	1.7	20	125	0
IS2_Naphthalene-d8	1	1	-	0	20	129	0
a-Terpineol	0.267	0.255	-	4.5	20	124	0
3-Chloroaniline	0.114	0.119	-	-4.4	20	125	0
2,6-Dichlorophenol	0.285	0.293	-	-2.8	20	131	0
1-chloro-2-nitrobenzene	0.135	0.136	-	-0.7	20	129	0
Caprolactam	0.142	0.148	-	-4.2	20	129	0
1,2,4,5-Tetrachlorobenzene	0.373	0.335	-	10.2	20	119	0
Biphenyl	0.931	0.841	-	9.7	20	120	0
IS2_Acenaphthene-d10	1	1	-	0	20	128	0
Dichloran	0.158	0.155	-	1.9	20	123	0
Pentachloronitrobenzene	0.154	0.147	-	4.5	20	114	0
IS2_Phenanthrene-d10	1	1	-	0	20	126	0
Diphenamid	0.487	0.464	-	4.7	20	113	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : ADP0908
 Sample No : WG2111831-5
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/08/25 07:04
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	132	0
1,4-Dioxane	0.477	0.435	-	8.8	20	127	0
n-Decane	1.449	1.374	-	5.2	20	127	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.372	0.367	-	1.3	20	128	0
IS3_Phenanthrene-d10	1	1	-	0	20	129	0
n-Octadecane	0.48	0.464	-	3.3	20	122	0
Parathion	5	4.097	-	18.1	20	122	0
3,3'-Dimethylbenzidine	5	3.976	-	20.5*	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Lab File ID : ABN0911N
 Sample No : WG2113687-3
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/12/25 01:02
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	87	0
n-Nitrosodimethylamine	0.792	0.77	-	2.8	20	76	0
Pyridine	1.349	1.32	-	2.1	20	82	0
2-Fluorophenol	1.105	1.113	-	-0.7	20	78	0
Aniline	5	4.295	-	14.1	20	75	0
2-Chlorophenol	1.287	1.297	-	-0.8	20	76	0
Phenol-d6	1.428	1.435	-	-0.5	20	76	0
Phenol	1.581	1.687	-	-6.7	20	83	0
Bis(2-chloroethyl)ether	1.319	1.208	-	8.4	20	73	0
1,3-Dichlorobenzene	1.573	1.534	-	2.5	20	79	0
1,4-Dichlorobenzene	1.611	1.525	-	5.3	20	76	0
1,2-Dichlorobenzene	1.557	1.498	-	3.8	20	77	0
Benzyl alcohol	1.122	1.048	-	6.6	20	74	0
Bis(2-chloroisopropyl)ethe	2.148	1.81	-	15.7	20	67	0
2-Methylphenol	1.155	1.142	-	1.1	20	76	0
Hexachloroethane	0.596	0.554	-	7	20	75	0
n-Nitrosodi-n-propylamine	1.032	0.924	-	10.5	20	70	0
3-Methylphenol/4-Methylphe	1.27	1.255	-	1.2	20	77	0
Nitrobenzene-d5	1.354	1.333	-	1.6	20	76	0
Nitrobenzene	1.405	1.339	-	4.7	20	74	0
Isophorone	2.849	2.571	-	9.8	20	69	0
2-Nitrophenol	5	4.718	-	5.6	20	88	0
2,4-Dimethylphenol	1.51	1.349	-	10.7	20	71	0
Bis(2-chloroethoxy)methane	1.807	1.674	-	7.4	20	72	0
2,4-Dichlorophenol	1.335	1.271	-	4.8	20	75	0
1,2,4-Trichlorobenzene	1.539	1.476	-	4.1	20	78	0
IS1_Naphthalene-d8	1	1	-	0	20	84	0
Naphthalene	1.063	1.025	-	3.6	20	76	0
Benzoic Acid	5	4.193	-	16.1	20	68	0
4-Chloroaniline	0.144	0.138	-	4.2	20	73	0
Hexachlorobutadiene	0.253	0.227	-	10.3	20	71	0
p-Chloro-m-cresol	0.329	0.312	-	5.2	20	72	0
2-Methylnaphthalene	0.674	0.68	-	-0.9	20	78	0
1-Methylnaphthalene	0.269	0.245	-	8.9	20	73	0
Hexachlorocyclopentadiene	5	4.853	-	2.9	20	83	0
2,4,6-Trichlorophenol	5	4.587	-	8.3	20	80	0
2,4,5-Trichlorophenol	5	4.673	-	6.5	20	76	0
2-Fluorobiphenyl	0.927	0.933	-	-0.6	20	76	0
2-Chloronaphthalene	0.786	0.785	-	0.1	20	77	0
2-Nitroaniline	5	4.679	-	6.4	20	85	0
1,4-Dinitrobenzene	0.128	0.126	-	1.6	20	86	0
1,3-Dinitrobenzene	0.145	0.15	-	-3.4	20	91	0
Dimethyl phthalate	0.996	1.027	-	-3.1	20	76	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Lab File ID : ABN0911N
 Sample No : WG2113687-3
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/12/25 01:02
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.34	-	-4.5	20	76	0
2,6-Dinitrotoluene	5	4.73	-	5.4	20	82	0
1,2-Dinitrobenzene	0.094	0.098	-	-4.3	20	90	0
IS1_Acenaphthene-d10	1	1	-	0	20	87	0
3-Nitroaniline	5	4.647	-	7.1	20	82	0
Acenaphthene	1.102	1.051	-	4.6	20	77	0
2,4-Dinitrophenol	5	5.02	-	-0.4	20	93	0
Dibenzofuran	1.833	1.773	-	3.3	20	76	0
2,4-Dinitrotoluene	5	4.865	-	2.7	20	86	0
4-Nitrophenol	5	4.597	-	8.1	20	77	0
2,3,5,6-Tetrachlorophenol	5	4.623	-	7.5	20	81	0
2,3,4,6-Tetrachlorophenol	5	4.575	-	8.5	20	78	0
Diethyl phthalate	1.565	1.504	-	3.9	20	74	0
Fluorene	1.489	1.454	-	2.4	20	77	0
4-Chlorophenyl phenyl ethe	0.783	0.726	-	7.3	20	76	0
4-Nitroaniline	5	4.984	-	0.3	20	87	0
4,6-Dinitro-o-cresol	5	4.988	-	0.2	20	91	0
NDPA/DPA	1.246	1.252	-	-0.5	20	78	0
Azobenzene	1.371	1.281	-	6.6	20	69	0
2,4,6-Tribromophenol	0.254	0.26	-	-2.4	20	82	0
4-Bromophenyl phenyl ether	0.512	0.478	-	6.6	20	74	0
Hexachlorobenzene	0.607	0.554	-	8.7	20	76	0
Pentachlorophenol	5	4.636	-	7.3	20	84	0
IS1_Phenanthrene-d10	1	1	-	0	20	87	0
Phenanthrene	1.099	1.082	-	1.5	20	80	0
Anthracene	1.091	1.096	-	-0.5	20	78	0
Carbazole	0.993	1.021	-	-2.8	20	79	0
Di-n-butylphthalate	1.164	1.18	-	-1.4	20	75	0
Fluoranthene	1.329	1.408	-	-5.9	20	82	0
Benzidine	5	4.958	-	0.8	20	82	0
Pyrene	1.367	1.408	-	-3	20	78	0
4-Terphenyl-d14	1.068	1.063	-	0.5	20	78	0
Butyl benzyl phthalate	5	4.535	-	9.3	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	89	0
Benzo(a)anthracene	1.308	1.275	-	2.5	20	80	0
3,3'-Dichlorobenzidine	0.473	0.497	-	-5.1	20	80	0
Chrysene	1.216	1.201	-	1.2	20	79	0
Bis(2-ethylhexyl)phthalate	5	4.42	-	11.6	20	77	0
Di-n-octylphthalate	5	4.103	-	17.9	20	76	0
Benzo(b)fluoranthene	1.283	1.316	-	-2.6	20	85	0
Benzo(k)fluoranthene	1.251	1.284	-	-2.6	20	78	0
Benzo(a)pyrene	1.188	1.228	-	-3.4	20	81	0
IS1_Perylene-d12	1	1	-	0	20	91	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV112
Lab File ID : ABN0911N
Sample No : WG2113687-3
Channel :

Lab Number : L2555938
Project Number : 2232.0006Y005
Calibration Date : 09/12/25 01:02
Init. Calib. Date(s) : 08/17/25 08/18/25
Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	1.172	-	-6.1	20	86	0
Dibenzo(a,h)anthracene	1.064	1.135	-	-6.7	20	85	0
Benzo(ghi)perylene	1.105	1.135	-	-2.7	20	84	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Lab File ID : AP90911N
 Sample No : WG2113687-4
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/12/25 01:24
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	83	0
Benzaldehyde	0.597	0.694	-	-16.2	20	103	0
Acetophenone	1.98	1.708	-	13.7	20	76	0
m-Toluidine	1.191	1.241	-	-4.2	20	87	0
2-Chloroaniline	1.688	1.553	-	8	20	79	0
IS2_Naphthalene-d8	1	1	-	0	20	80	0
a-Terpineol	0.298	0.284	-	4.7	20	79	0
3-Chloroaniline	0.138	0.141	-	-2.2	20	83	0
2,6-Dichlorophenol	0.282	0.303	-	-7.4	20	84	0
1-chloro-2-nitrobenzene	0.137	0.141	-	-2.9	20	84	0
Caprolactam	0.177	0.171	-	3.4	20	79	0
1,2,4,5-Tetrachlorobenzene	0.443	0.415	-	6.3	20	79	0
Biphenyl	0.978	0.93	-	4.9	20	80	0
IS2_Acenaphthene-d10	1	1	-	0	20	85	0
Dichloran	0.179	0.198	-	-10.6	20	101	0
Pentachloronitrobenzene	0.205	0.205	-	0	20	90	0
IS2_Phenanthrene-d10	1	1	-	0	20	89	0
Diphenamid	0.494	0.491	-	0.6	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Lab File ID : ADP0911N
 Sample No : WG2113687-5
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/12/25 01:47
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
1,4-Dioxane	0.546	0.5	-	8.4	20	91	0
n-Decane	1.602	1.471	-	8.2	20	85	0
IS3_Acenaphthene-d10	1	1	-	0	20	82	0
Atrazine	0.463	0.471	-	-1.7	20	82	0
IS3_Phenanthrene-d10	1	1	-	0	20	82	0
n-Octadecane	0.496	0.415	-	16.3	20	70	0
Parathion	0.106	0.094	-	11.3	20	78	0
3,3'-Dimethylbenzidine	0.737	0.641	-	13	20	69	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250908RVT\
 Data File : ABN0908.D
 Acq On : 8 Sep 2025 6:21 am
 Operator : SV106:HNY
 Sample : wg2111831-3,32,,ABN 11964 cmm0831A
 Misc : wg2111831,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 08 06:38:14 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
2 t	n-Nitrosodimethylamine	0.660	0.668	-1.2	111	0.00
3 t	Pyridine	1.131	1.119	1.1	105	0.00
4 S	2-Fluorophenol	1.106	1.117	-1.0	108	0.00
5 T	Aniline	1.738	1.770	-1.8	108	0.00
6 t	2-Chlorophenol	1.332	1.345	-1.0	109	0.00
7 S	Phenol-d6	1.318	1.380	-4.7	114	0.00
8 T	Phenol	1.441	1.472	-2.2	112	0.00
9 T	Bis(2-chloroethyl)ether	1.143	1.147	-0.3	111	0.00
10 T	1,3-Dichlorobenzene	1.598	1.567	1.9	108	0.00
11 T	1,4-Dichlorobenzene	1.634	1.594	2.4	109	0.00
12 T	1,2-Dichlorobenzene	1.572	1.528	2.8	109	0.00
13 t	Benzyl alcohol	0.964	0.956	0.8	109	0.00
14 T	Bis(2-chloroisopropyl)ether	1.867	1.862	0.3	111	0.00
15 T	2-Methylphenol	1.104	1.126	-2.0	111	0.00
16 T	Hexachloroethane	0.602	0.603	-0.2	108	0.00
17 T	n-Nitrosodi-n-propylamine	0.815	0.816	-0.1	108	0.00
18 T	3-Methylphenol/4-Methylphen	1.207	1.244	-3.1	114	0.00
19 S	Nitrobenzene-d5	1.226	1.217	0.7	108	0.00
20 T	Nitrobenzene	1.260	1.279	-1.5	109	0.00
21 T	Isophorone	2.296	2.197	4.3	104	0.00
22 T	2-Nitrophenol	0.640	0.670	-4.7	112	0.00
23 T	2,4-Dimethylphenol	1.271	1.285	-1.1	107	0.00
24 T	Bis(2-chloroethoxy)methane	1.546	1.532	0.9	110	0.00
25 T	2,4-Dichlorophenol	1.170	1.194	-2.1	108	0.00
26 T	1,2,4-Trichlorobenzene	1.374	1.332	3.1	108	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	112	0.00
36 T	Naphthalene	1.082	1.042	3.7	108	0.00
37 T	Benzoic Acid	* 5.000	4.074	18.5	103	0.00
38 T	4-Chloroaniline	0.117	0.116	0.9	106	0.00
39 T	Hexachlorobutadiene	0.200	0.189	5.5	105	0.00
40 T	p-Chloro-m-cresol	0.284	0.279	1.8	108	0.00
41 T	2-Methylnaphthalene	0.641	0.648	-1.1	114	0.00
42 T	1-Methylnaphthalene	0.227	0.219	3.5	109	0.00
43 T	Hexachlorocyclopentadiene	0.254	0.237	6.7	102	0.00
44 T	2,4,6-Trichlorophenol	0.213	0.228	-7.0	112	0.00
45 T	2,4,5-Trichlorophenol	0.239	0.244	-2.1	108	0.00
46 S	2-Fluorobiphenyl	0.821	0.768	6.5	106	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250908RVT\
 Data File : ABN0908.D
 Acq On : 8 Sep 2025 6:21 am
 Operator : SV106:HNY
 Sample : wg2111831-3,32,,ABN 11964 cmm0831A
 Misc : wg2111831,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 08 06:38:14 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.727	0.694	4.5	107	0.00
48 T	2-Nitroaniline	0.206	0.214	-3.9	106	0.00
49 T	1,4-Dinitrobenzene	0.097	0.094	3.1	103	0.00
50 T	1,3-Dinitrobenzene	0.112	0.113	-0.9	105	0.00
51 T	Dimethyl phthalate	0.857	0.802	6.4	103	0.00
52 T	Acenaphthylene	1.170	1.142	2.4	105	0.00
53 T	2,6-Dinitrotoluene	0.167	0.165	1.2	105	0.00
54 T	1,2-Dinitrobenzene	0.073	0.075	-2.7	105	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	111	0.00
64 T	3-Nitroaniline	0.342	0.348	-1.8	106	0.00
65 T	Acenaphthene	1.136	1.075	5.4	106	0.00
66 T	2,4-Dinitrophenol	0.166	0.136	18.1	95	0.00
67 T	Dibenzofuran	1.844	1.741	5.6	106	0.00
68 T	2,4-Dinitrotoluene	0.385	0.399	-3.6	103	0.00
69 T	4-Nitrophenol	0.238	0.251	-5.5	111	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.340	0.353	-3.8	106	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.330	0.335	-1.5	101	0.00
72 T	Diethyl phthalate	1.516	1.382	8.8	100	0.00
73 T	Fluorene	1.447	1.350	6.7	105	0.00
74 T	4-Chlorophenyl phenyl ether	0.688	0.632	8.1	102	0.00
75 T	4-Nitroaniline	0.337	0.342	-1.5	103	0.00
76 T	4,6-Dinitro-o-cresol	0.214	0.206	3.7	104	0.00
77 T	NDPA/DPA	1.209	1.146	5.2	102	0.00
78 T	Azobenzene	1.272	1.219	4.2	102	0.00
79 S	2,4,6-Tribromophenol	0.194	0.177	8.8	98	0.00
80 T	4-Bromophenyl phenyl ether	0.424	0.375	11.6	100	0.00
81 T	Hexachlorobenzene	0.475	0.419	11.8	101	0.00
82 T	Pentachlorophenol	0.280	0.257	8.2	103	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	108	0.00
89 T	Phenanthrene	1.202	1.104	8.2	102	0.00
90 T	Anthracene	1.178	1.109	5.9	102	0.00
91 T	Carbazole	1.081	1.065	1.5	103	0.00
92 T	Di-n-butylphthalate	1.266	1.199	5.3	97	0.00
93 T	Fluoranthene	1.296	1.216	6.2	101	0.00
94 T	Benzidine	0.831	0.759	8.7	98	0.00
95 T	Pyrene	1.383	1.296	6.3	101	0.00
96 S	4-Terphenyl-d14	0.982	0.869	11.5	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250908RVT\
 Data File : ABN0908.D
 Acq On : 8 Sep 2025 6:21 am
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 ALS Vial : 142 Sample Multiplier: 1

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 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.529	0.523	1.1	100	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	107	0.00
105 T	Benzo(a)anthracene	1.349	1.282	5.0	104	0.00
106 T	3,3'-Dichlorobenzidine	0.464	0.454	2.2	98	0.00
107 T	Chrysene	1.336	1.224	8.4	103	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.846	0.820	3.1	97	0.00
109 T	Di-n-octylphthalate	1.419	1.364	3.9	101	0.00
110 T	Benzo(b)fluoranthene	1.278	1.277	0.1	110	0.00
111 T	Benzo(k)fluoranthene	1.303	1.291	0.9	104	0.00
112 T	Benzo(a)pyrene	1.197	1.218	-1.8	107	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	112	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.141	1.093	4.2	107	0.00
115 T	Dibenzo(a,h)anthracene	1.181	1.140	3.5	107	0.00
116 T	Benzo(ghi)perylene	1.164	1.123	3.5	110	-0.01

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : ABN0908.D
 Acq On : 8 Sep 2025 6:21 am
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 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.255	152	37897	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	5.526	136	150804	4.000	ug/ml	# 0.00
63) IS1_Acenaphthene-d10	7.257	164	88579	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	8.702	188	167258	4.000	ug/ml	# 0.00
104) IS1_Chrysene-d12	11.338	240	168352	4.000	ug/ml	# 0.00
113) IS1_Perylene-d12	12.796	264	185516	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.918	112	52892	5.048	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	252.40%#	
7) Phenol-d6	3.950	99	65366	5.235	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	261.75%#	
19) Nitrobenzene-d5	4.817	82	57632	4.960	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	496.00%#	
46) 2-Fluorobiphenyl	6.626	172	144709	4.677	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	467.70%#	
79) 2,4,6-Tribromophenol	8.031	330	19598	4.563	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	228.15%#	
96) 4-Terphenyl-d14	10.309	244	181647	4.422	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	442.20%#	
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	1.501	74	31656	5.063	ug/ml#	70
3) Pyridine	1.535	79	52999	4.946	ug/ml#	63
5) Aniline	3.928	93	83855	5.091	ug/ml	95
6) 2-Chlorophenol	4.043	128	63720	5.050	ug/ml#	90
8) Phenol	3.962	94	69752	5.109	ug/ml	95
9) Bis(2-chloroethyl)ether	4.025	93	54316	5.017	ug/ml	97
10) 1,3-Dichlorobenzene	4.196	146	74221	4.902	ug/ml	96
11) 1,4-Dichlorobenzene	4.273	146	75511	4.878	ug/ml	96
12) 1,2-Dichlorobenzene	4.422	146	72392	4.862	ug/ml	96
13) Benzyl alcohol	4.426	79	45301	4.959	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.584	45	88186	4.986	ug/ml#	58
15) 2-Methylphenol	4.572	108	53319	5.097	ug/ml	97
16) Hexachloroethane	4.758	117	28564	5.010	ug/ml#	74
17) n-Nitrosodi-n-propylamine	4.705	70	38656	5.009	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.736	108	58930	5.154	ug/ml	98
20) Nitrobenzene	4.836	77	60599	5.075	ug/ml	96
21) Isophorone	5.091	82	104081	4.785	ug/ml	98
22) 2-Nitrophenol	5.162	139	31732	5.233	ug/ml#	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : ABN0908.D
 Acq On : 8 Sep 2025 6:21 am
 Operator : SV106:HNY
 Sample : wg2111831-3,32,,ABN 11964 cmm0831A
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 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 08 06:38:14 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	5.259	107	60874	5.054	ug/ml	98
24)	Bis(2-chloroethoxy)met...	5.346	93	72595	4.955	ug/ml	98
25)	2,4-Dichlorophenol	5.411	162	56556	5.103	ug/ml	94
26)	1,2,4-Trichlorobenzene	5.485	180	63088	4.846	ug/ml	98
36)	Naphthalene	5.545	128	196513	4.818	ug/ml	100
37)	Benzoic Acid	5.342	105	34157	4.074	ug/ml	92
38)	4-Chloroaniline	5.628	65	21959	4.976	ug/ml#	60
39)	Hexachlorobutadiene	5.709	225	35719	4.728	ug/ml	98
40)	p-Chloro-m-cresol	6.147	107	52591	4.914	ug/ml	94
41)	2-Methylnaphthalene	6.241	142	122120	5.056	ug/ml	96
42)	1-Methylnaphthalene	6.334	115	41336	4.826	ug/ml	89
43)	Hexachlorocyclopentadiene	6.418	237	44628	4.659	ug/ml	99
44)	2,4,6-Trichlorophenol	6.539	196	42987	5.345	ug/ml	98
45)	2,4,5-Trichlorophenol	6.567	196	45962	5.092	ug/ml	99
47)	2-Chloronaphthalene	6.713	162	130907	4.777	ug/ml	96
48)	2-Nitroaniline	6.831	138	40246	5.179	ug/ml#	78
49)	1,4-Dinitrobenzene	6.971	168	17653	4.824	ug/ml	81
50)	1,3-Dinitrobenzene	7.046	168	21228	5.039	ug/ml#	1
51)	Dimethyl phthalate	7.049	163	151110	4.677	ug/ml#	98
52)	Acenaphthylene	7.114	152	215323	4.881	ug/ml	99
53)	2,6-Dinitrotoluene	7.086	165	31092	4.935	ug/ml#	78
54)	1,2-Dinitrobenzene	7.123	168	14111	5.148	ug/ml#	1
64)	3-Nitroaniline	7.238	138	38585	5.100	ug/ml#	87
65)	Acenaphthene	7.288	154	119048	4.733	ug/ml	91
66)	2,4-Dinitrophenol	7.341	184	15104	4.119	ug/ml	90
67)	Dibenzofuran	7.462	168	192748	4.720	ug/ml	94
68)	2,4-Dinitrotoluene	7.475	165	44155	5.184	ug/ml	90
69)	4-Nitrophenol	7.444	65	27785	5.269	ug/ml#	84
70)	2,3,5,6-Tetrachlorophenol	7.559	232	39039	5.189	ug/ml	97
71)	2,3,4,6-Tetrachlorophenol	7.599	232	37117	5.080	ug/ml	96
72)	Diethyl phthalate	7.748	149	153062	4.558	ug/ml	99
73)	Fluorene	7.795	166	149489	4.665	ug/ml	93
74)	4-Chlorophenyl phenyl ...	7.826	204	69968	4.589	ug/ml	90
75)	4-Nitroaniline	7.832	138	37885	5.077	ug/ml#	80
76)	4,6-Dinitro-o-cresol	7.869	198	22843	4.824	ug/ml#	66
77)	NDPA/DPA	7.944	169	126872	4.737	ug/ml	94
78)	Azobenzene	7.975	77	134977	4.792	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.298	248	41478	4.414	ug/ml#	86
81)	Hexachlorobenzene	8.339	284	46432	4.414	ug/ml#	88
82)	Pentachlorophenol	8.538	266	28407	4.587	ug/ml	99
89)	Phenanthrene	8.724	178	230889	4.593	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : ABN0908.D
 Acq On : 8 Sep 2025 6:21 am
 Operator : SV106:HNY
 Sample : wg2111831-3,32,,ABN 11964 cmm0831A
 Misc : wg2111831,,ical22591
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 08 06:38:14 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

90)	Anthracene	8.777	178	231914	4.709	ug/ml	99
91)	Carbazole	8.951	167	222741	4.927	ug/ml	98
92)	Di-n-butylphthalate	9.367	149	250687	4.736	ug/ml#	98
93)	Fluoranthene	9.890	202	254306	4.693	ug/ml#	95
94)	Benazidine	10.057	184	158641	4.563	ug/ml#	95
95)	Pyrene	10.104	202	270942	4.686	ug/ml	99
97)	Butyl benzyl phthalate	10.841	149	109410	4.946	ug/ml	87
105)	Benzo(a)anthracene	11.329	228	269745	4.751	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.338	252	95462	4.885	ug/ml	98
107)	Chrysene	11.366	228	257654	4.581	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.484	149	172645	4.846	ug/ml#	91
109)	Di-n-octylphthalate	12.159	149	287113	4.808	ug/ml#	73
110)	Benzo(b)fluoranthene	12.429	252	268748	4.998	ug/ml	96
111)	Benzo(k)fluoranthene	12.457	252	271745	4.956	ug/ml	97
112)	Benzo(a)pyrene	12.740	252	256213	5.085	ug/ml	96
114)	Indeno(1,2,3-cd)pyrene	13.756	276	253570	4.793	ug/mL	96
115)	Dibenzo(a,h)anthracene	13.784	278	264307	4.825	ug/ml	95
116)	Benzo(ghi)perylene	13.977	276	260434	4.826	ug/ml	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

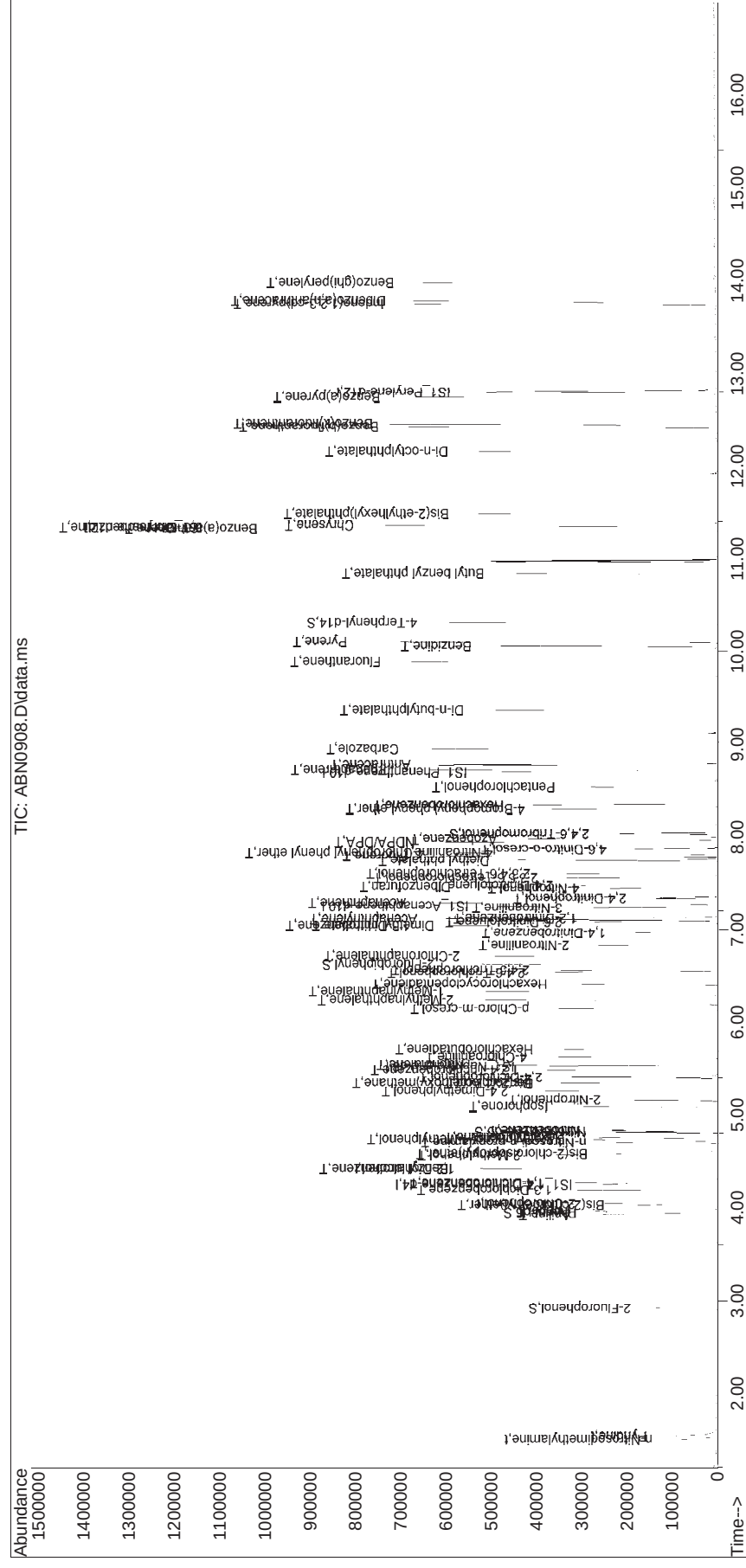
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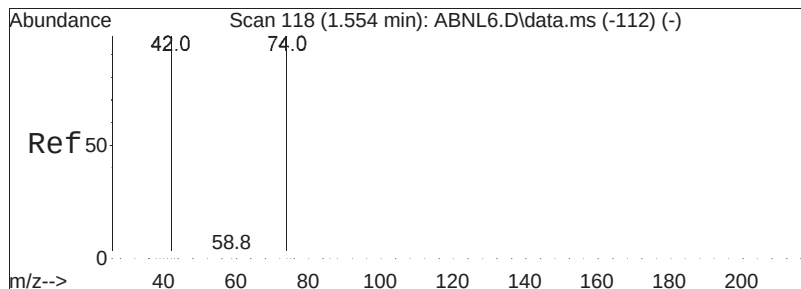
Data Path      : I:\8270\SV106\250908RVT\
Data File     : ABN0908.D
Acq On        : 8 Sep 2025 6:21 am
Operator      : SV106:HNY
Sample        : wg2111831-3,32,ABN 1196
Misc          : wg2111831,,ical22591
ALS Vial      : 142 Sample Multiplier:

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Quant Time: Sep 08 06:38:14 2025
Quant Method : I:\8270\SV106\250908RVT\F250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 06 08:56:15 2025
Response via : Initial Calibration

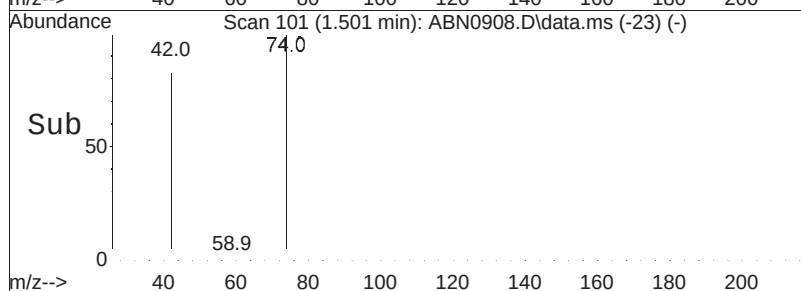
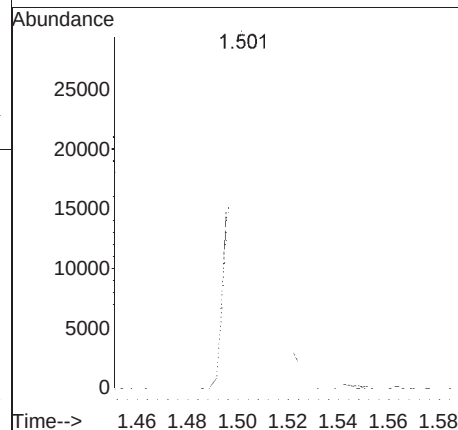
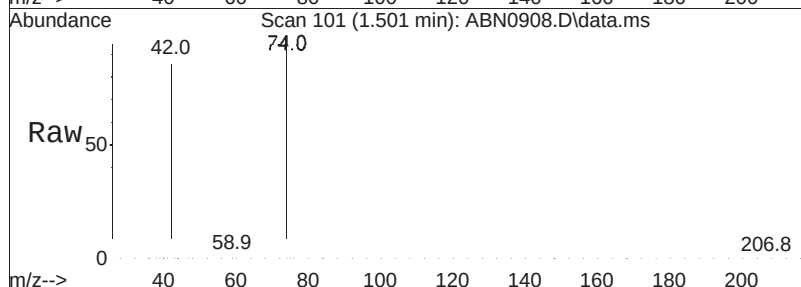
Sub List : ABNical - ABNical sublist

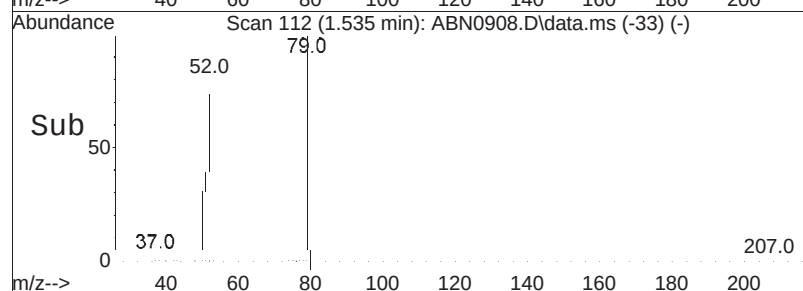
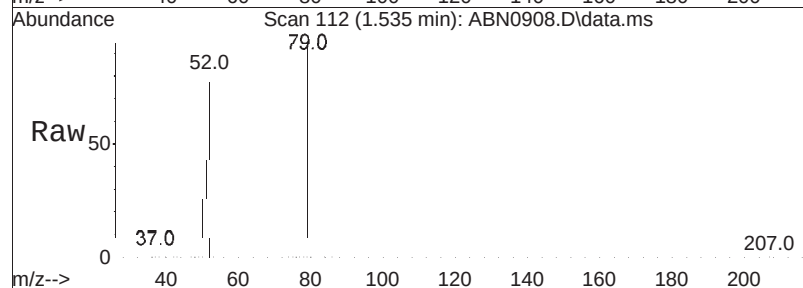
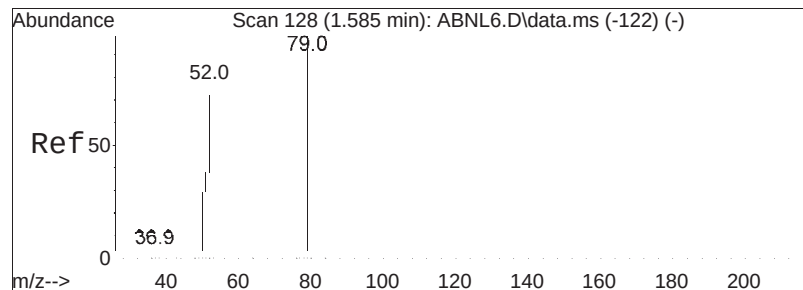




#2
 n-Nitrosodimethylamine
 Concen: 5.06 ug/ml
 RT: 1.501 min Scan# 101
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

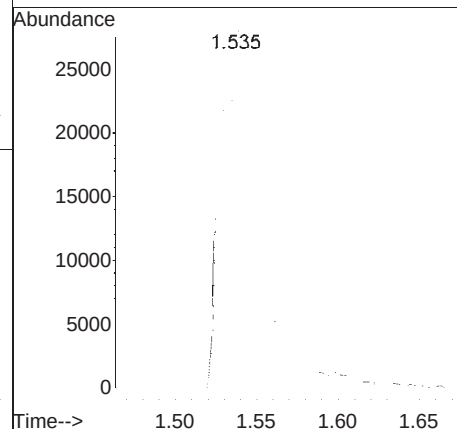
Tgt Ion: 74 Resp: 31656
 Ion Ratio Lower Upper
 74 100
 42 89.0 100.0 150.0#
 44 7.0 6.7 10.1

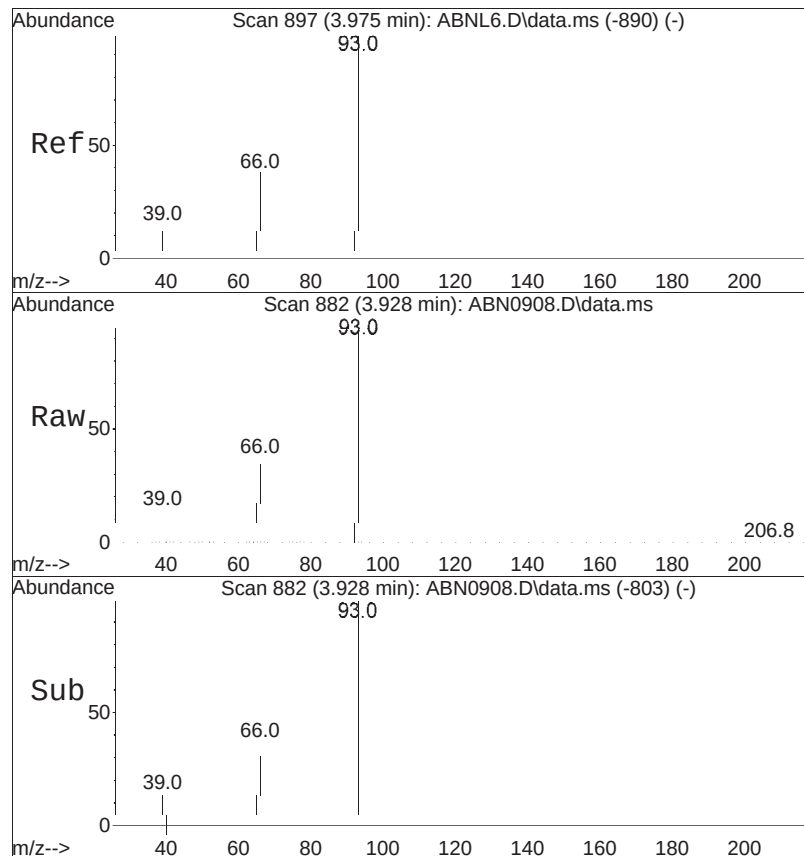




#3
 Pyridine
 Concen: 4.95 ug/ml
 RT: 1.535 min Scan# 112
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

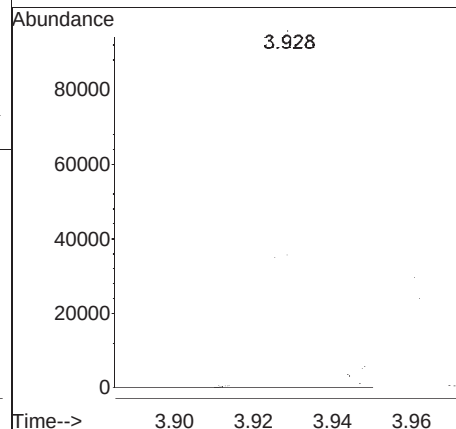
Tgt Ion	Ratio	Lower	Upper
79	100		
52	76.0	93.1	139.7#

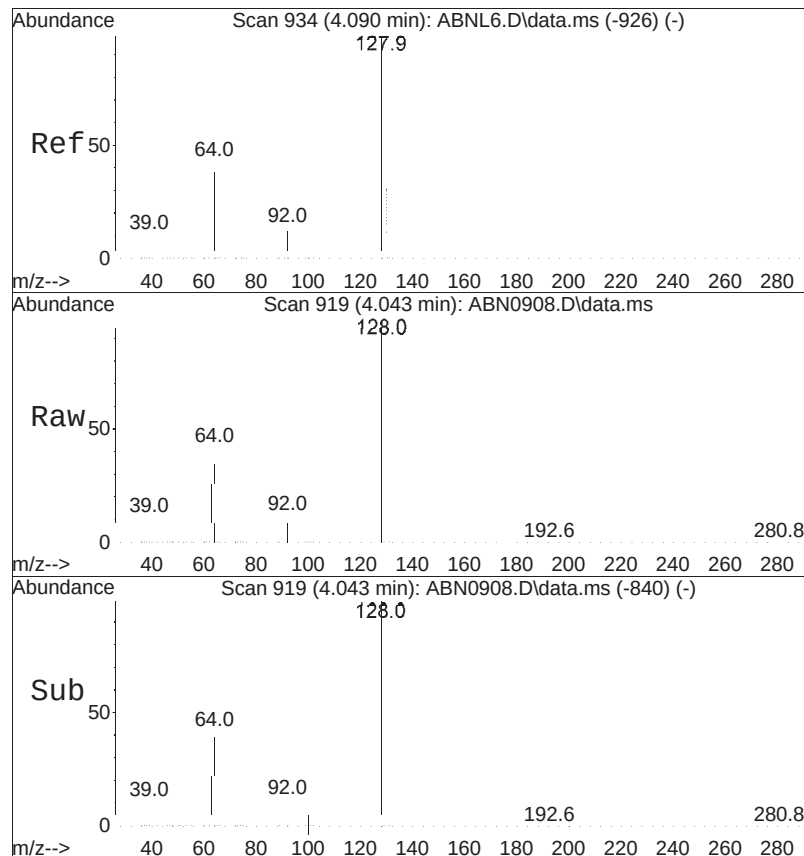




#5
 Aniline
 Concen: 5.09 ug/ml
 RT: 3.928 min Scan# 882
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

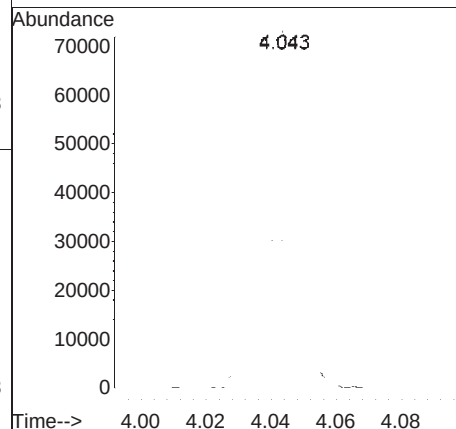
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	83855		
66	37.9		32.6	49.0
65	19.4		17.6	26.4

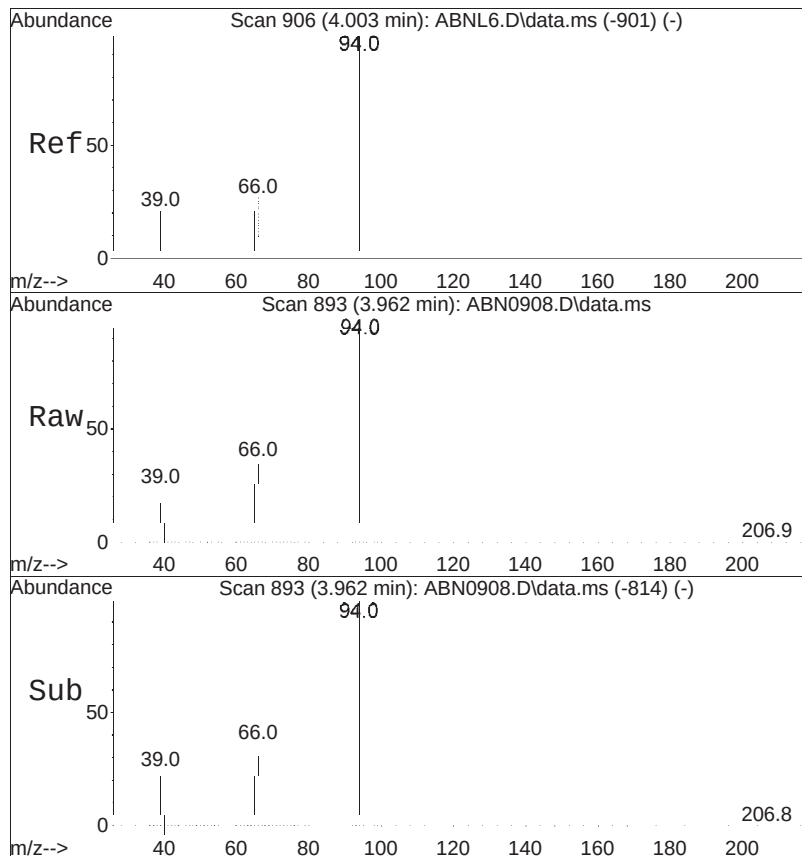




#6
 2-Chlorophenol
 Concen: 5.05 ug/ml
 RT: 4.043 min Scan# 919
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

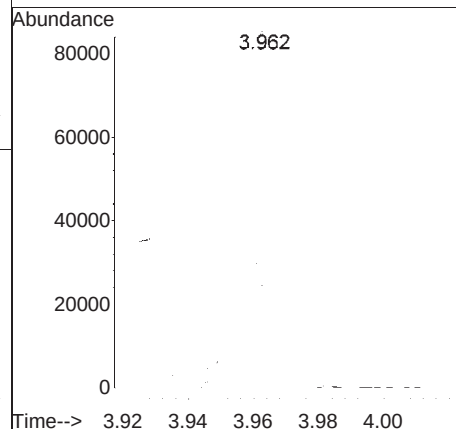
Tgt	Ion:128	Resp:	63720
Ion	Ratio	Lower	Upper
128	100		
64	44.9	45.1	67.7#
130	32.2	26.2	39.4

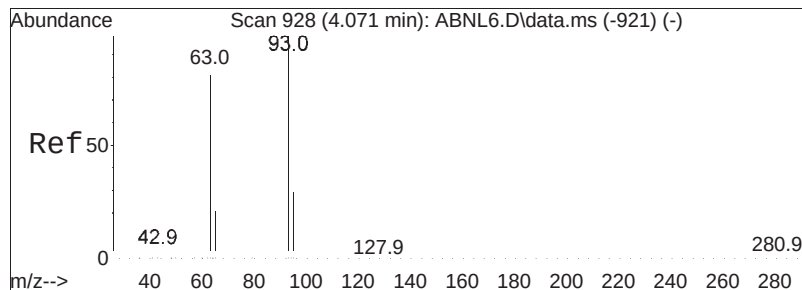




#8
 Phenol
 Concen: 5.11 ug/ml
 RT: 3.962 min Scan# 893
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

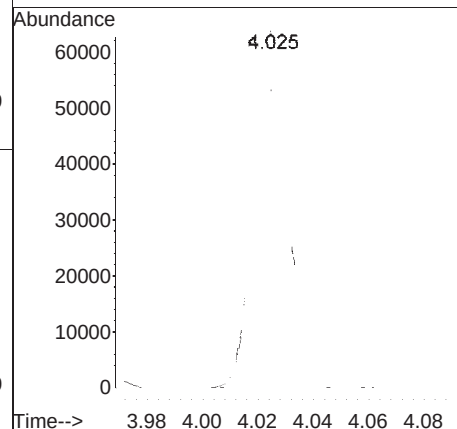
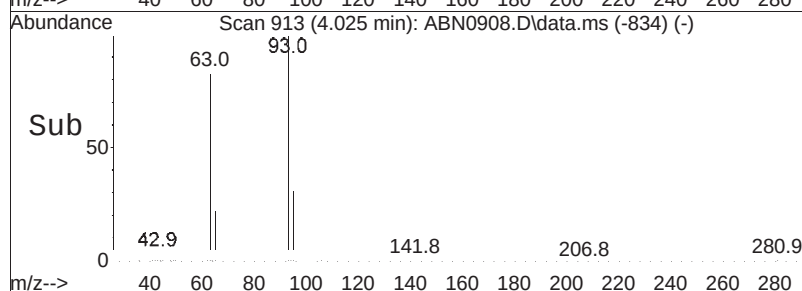
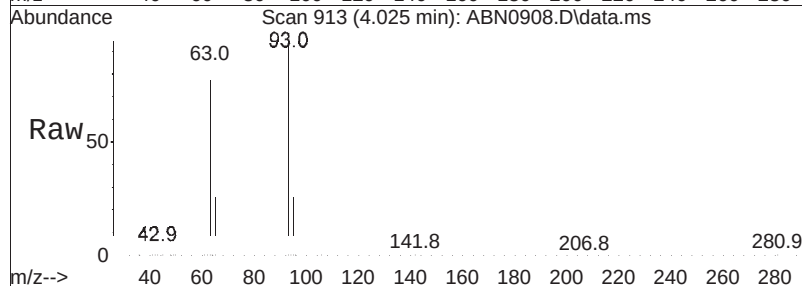
Tgt Ion:	94	Resp:	69752
Ion Ratio	Lower	Upper	
94	100		
65	28.7	26.0	39.0
66	39.5	33.8	50.8

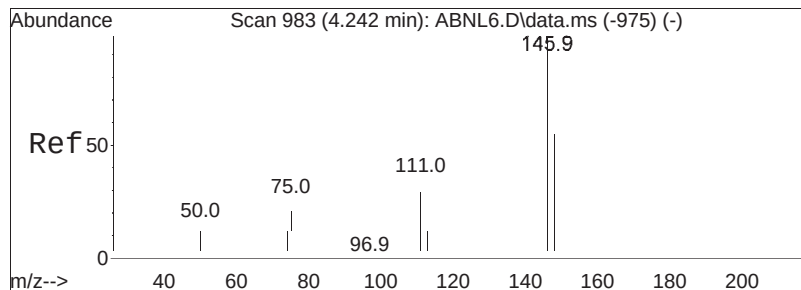




#9
 Bis(2-chloroethyl)ether
 Concen: 5.02 ug/ml
 RT: 4.025 min Scan# 913
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

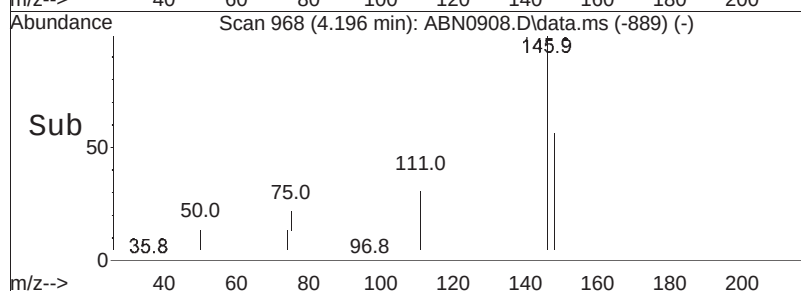
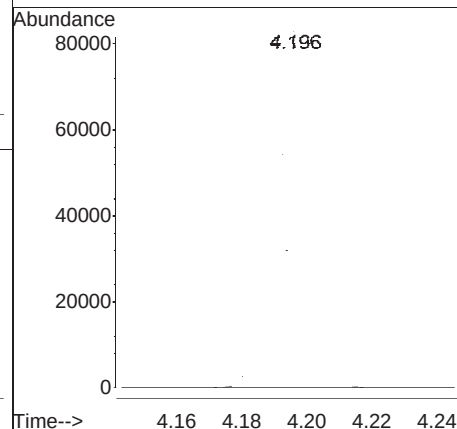
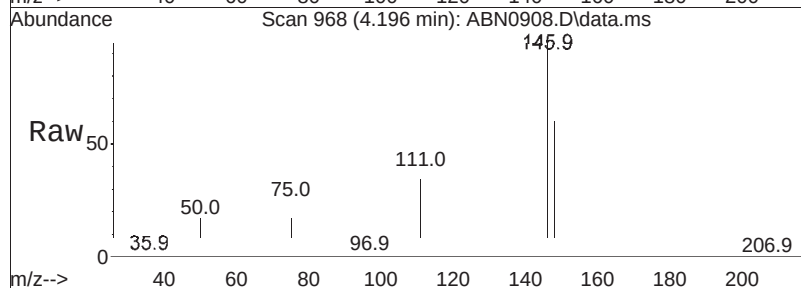
Tgt	Ion: 93	Resp:	54316
Ion	Ratio	Lower	Upper
93	100		
63	89.8	74.6	111.8
95	32.8	25.9	38.9

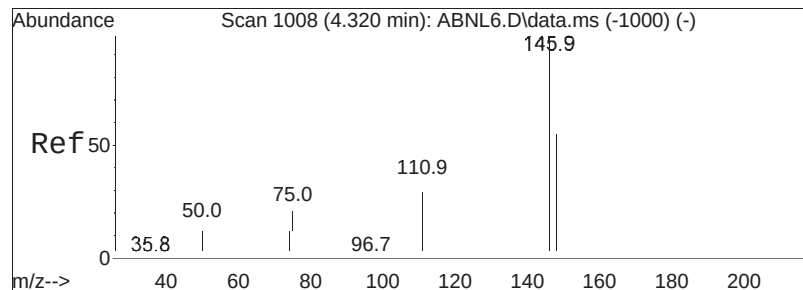




#10
 1,3-Dichlorobenzene
 Concen: 4.90 ug/ml
 RT: 4.196 min Scan# 968
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

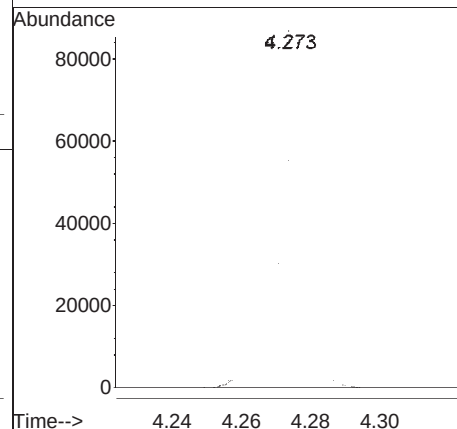
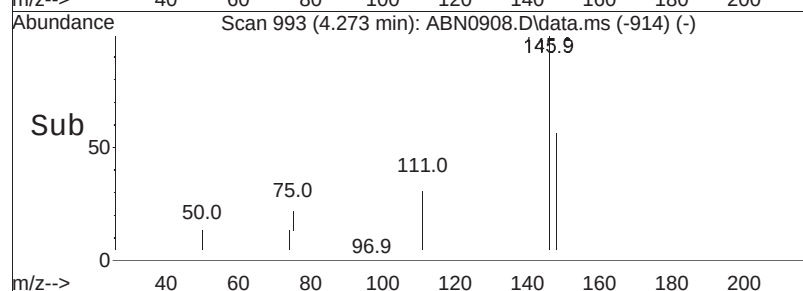
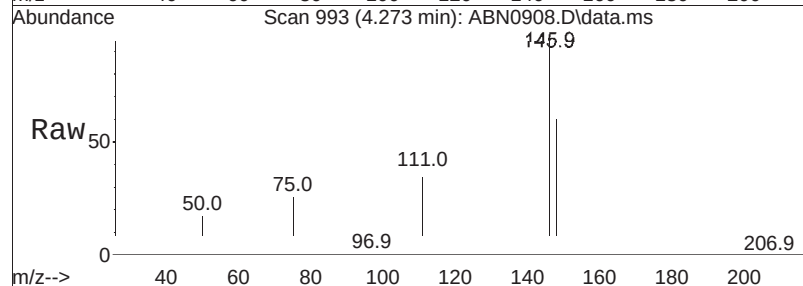
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	34.3	51.5
148	64.6	50.8	76.2

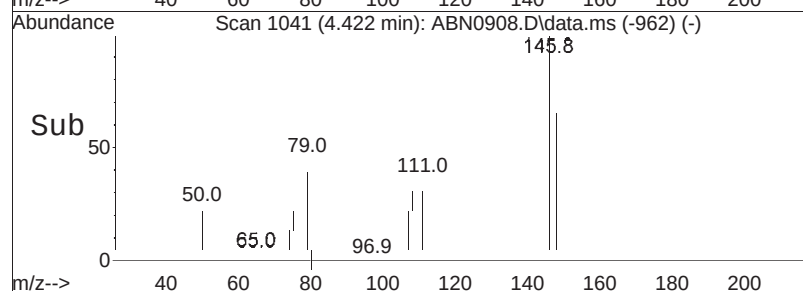
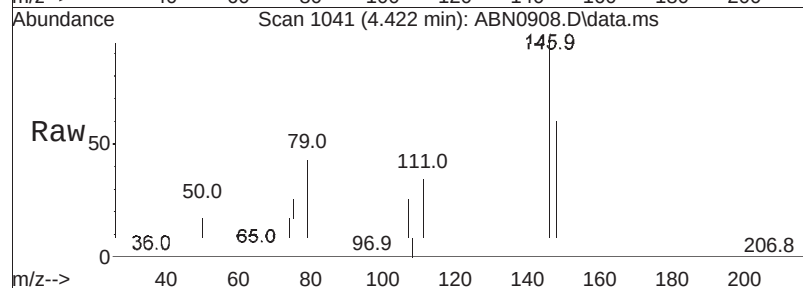
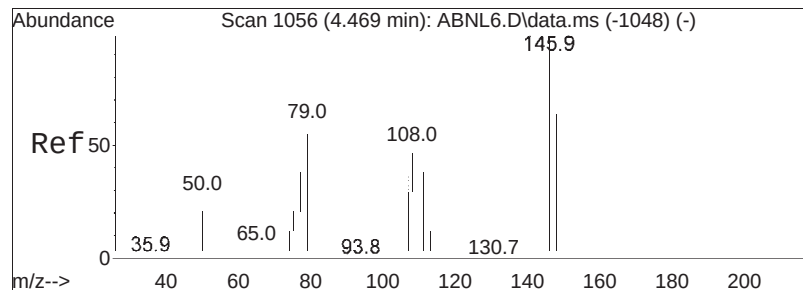




#11
 1,4-Dichlorobenzene
 Concen: 4.88 ug/ml
 RT: 4.273 min Scan# 993
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

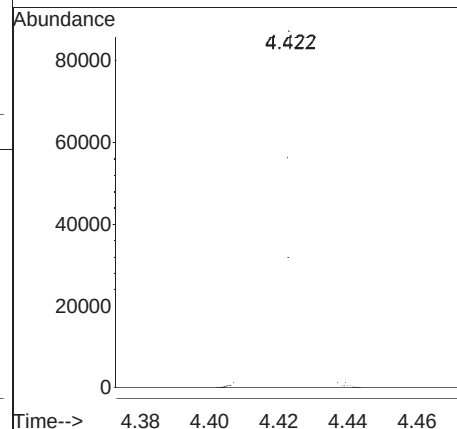
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.7	76.1
111	37.4	33.4	50.0

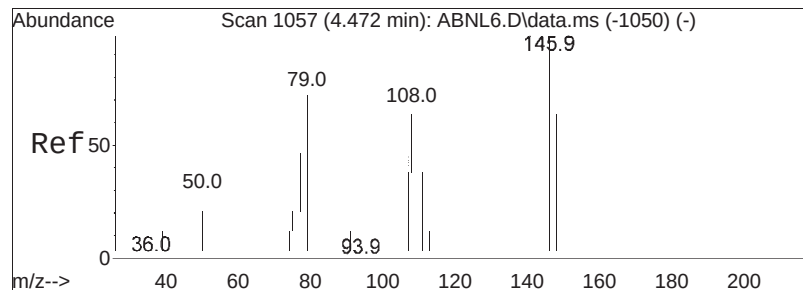




#12
 1,2-Dichlorobenzene
 Concen: 4.86 ug/ml
 RT: 4.422 min Scan# 1041
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt Ion:	146	Resp:	72392
Ion Ratio	Lower	Upper	
146	100		
111	38.2	34.6	52.0
148	64.1	50.2	75.4





#13

Benzyl alcohol

Concen: 4.96 ug/ml

RT: 4.426 min Scan# 1042

Delta R.T. -0.006 min

Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am

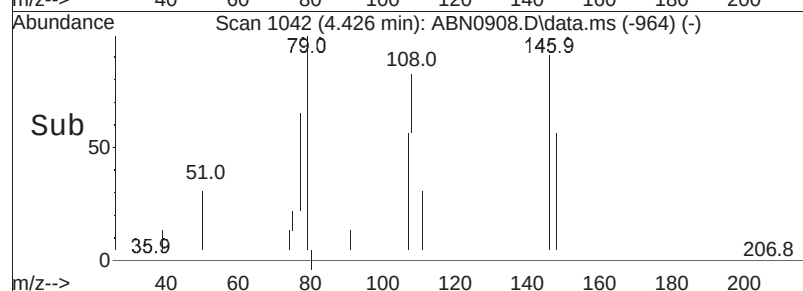
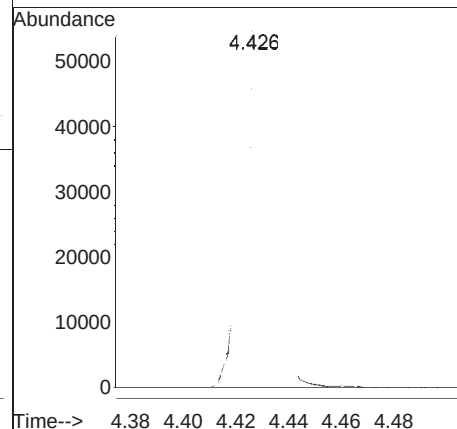
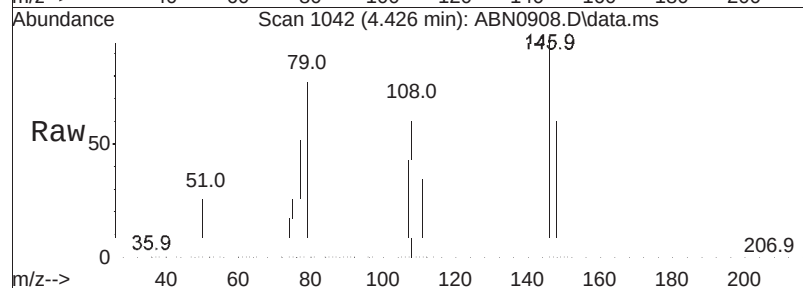
Tgt Ion: 79 Resp: 45301

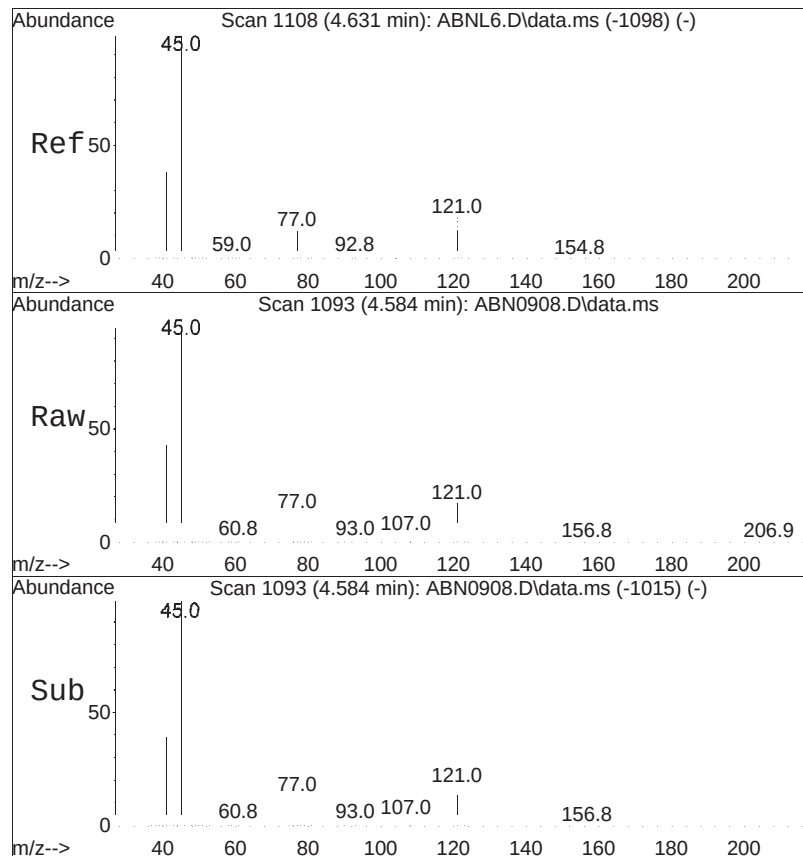
Ion Ratio Lower Upper

79 100

77 67.5 54.9 82.3

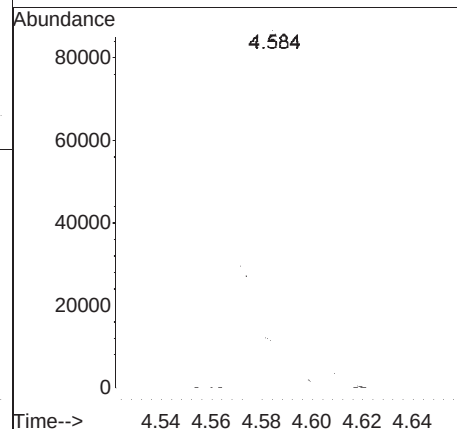
108 83.4 63.1 94.7

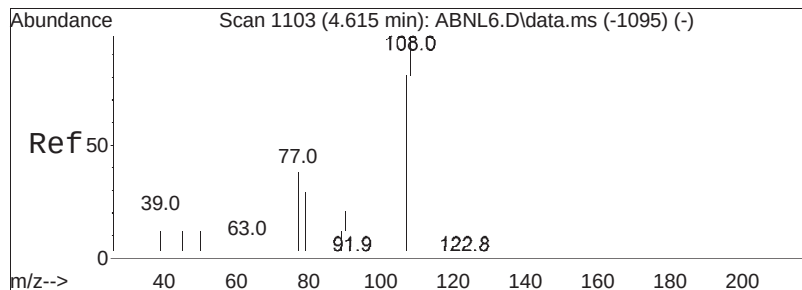




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.99 ug/ml
 RT: 4.584 min Scan# 1093
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

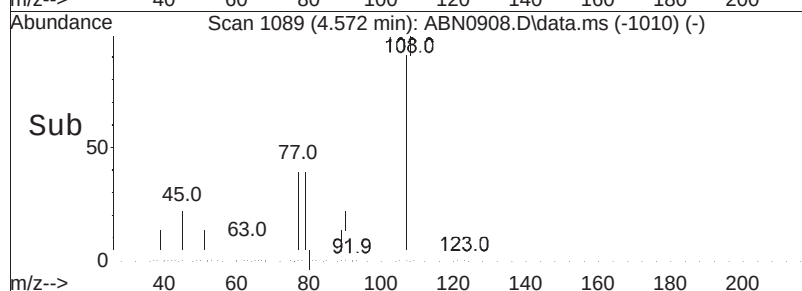
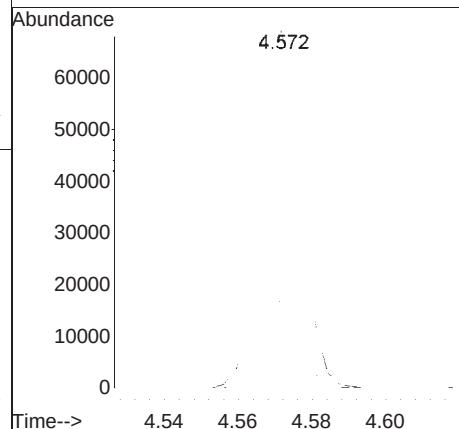
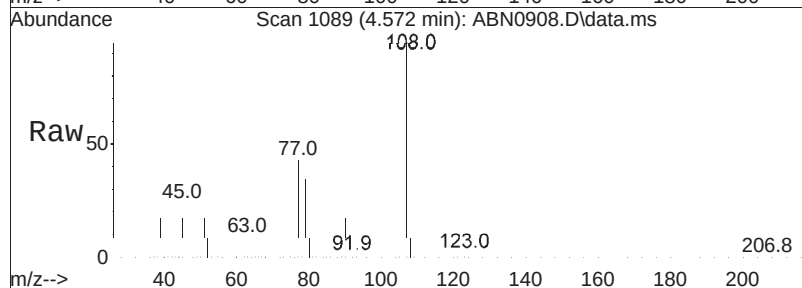
Tgt	Ion: 45	Resp:	88186
Ion	Ratio	Lower	Upper
45	100		
121	18.4	9.8	14.6#
77	36.6	6.1	9.1#

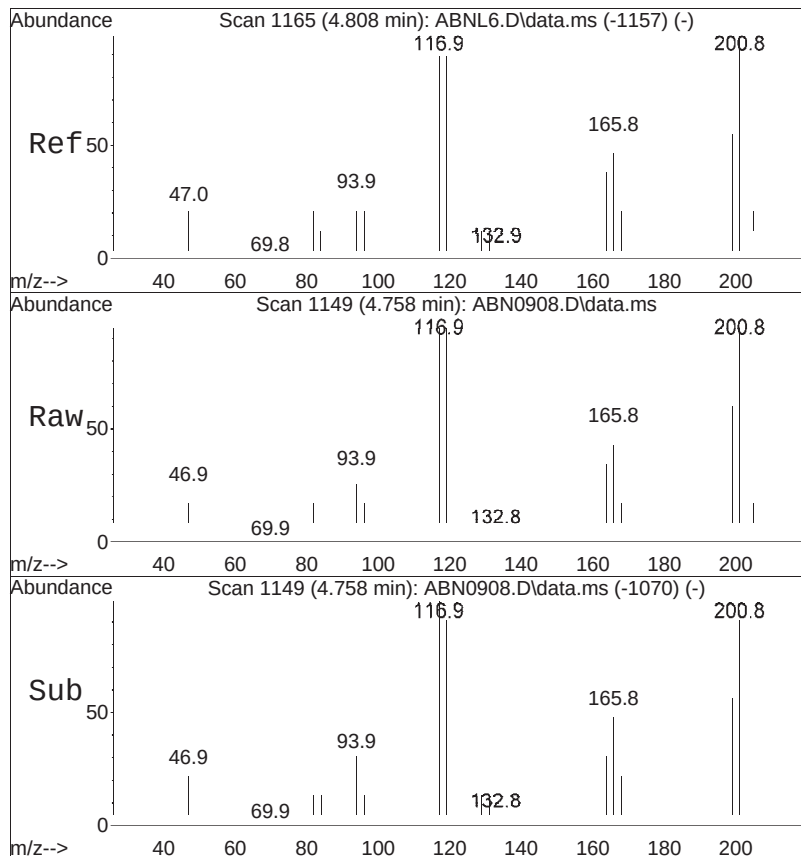




#15
 2-Methylphenol
 Concen: 5.10 ug/ml
 RT: 4.572 min Scan# 1089
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

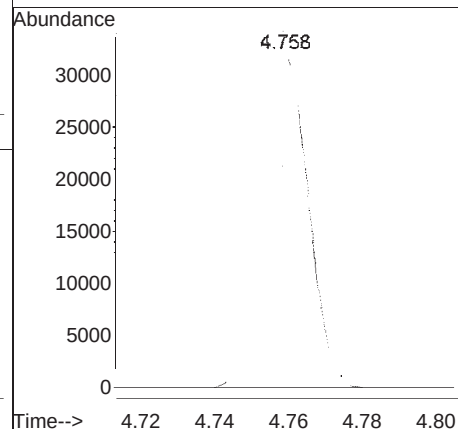
Tgt Ion	Ratio	Resp	Lower	Upper
108	100	53319		
107	91.9		70.7	106.1
90	24.3		18.7	28.1

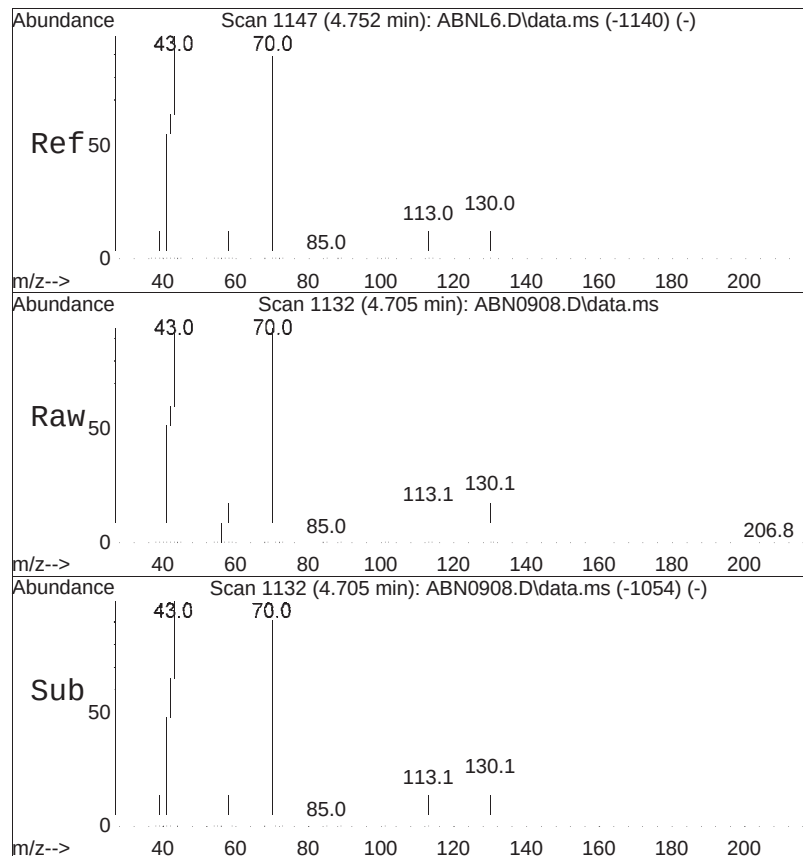




#16
 Hexachloroethane
 Concen: 5.01 ug/ml
 RT: 4.758 min Scan# 1149
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

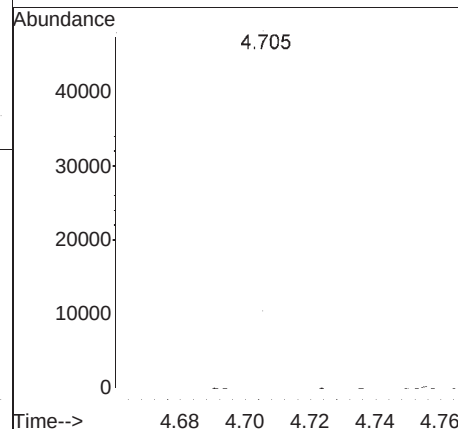
Tgt Ion:	117	Resp:	28564
Ion Ratio	Lower	Upper	
117	100		
201	95.8	58.6	87.8#
199	61.9	36.9	55.3#

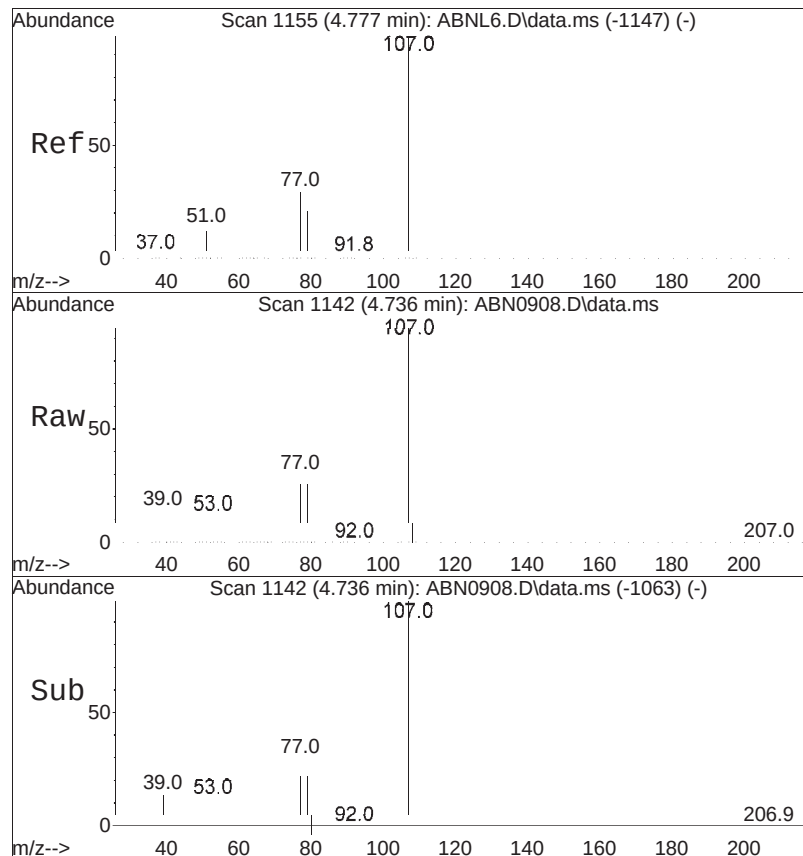




#17
 n-Nitrosodi-n-propylamine
 Concen: 5.01 ug/ml
 RT: 4.705 min Scan# 1132
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

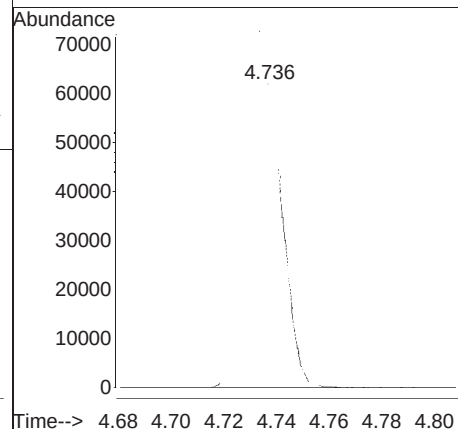
Tgt Ion:	70	Resp:	38656
Ion Ratio	Lower	Upper	
70	100		
130	20.5	18.2	27.4
101	8.8	7.8	11.8

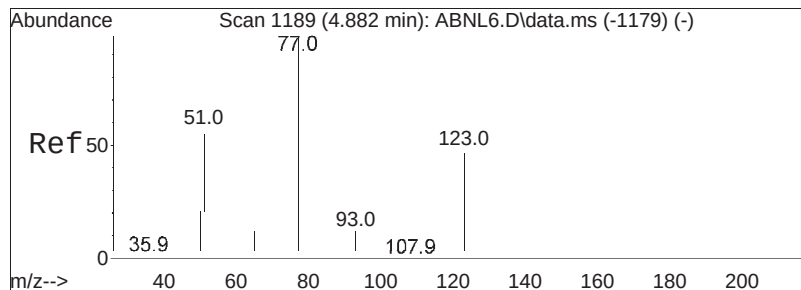




#18
 3-Methylphenol/4-Methylphenol
 Concen: 5.15 ug/ml
 RT: 4.736 min Scan# 1142
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt Ion:	108	Resp:	58930
Ion Ratio	Lower	Upper	
108	100		
107	113.3	88.6	132.8
90	10.6	8.8	13.2





#20

Nitrobenzene

Concen: 5.08 ug/ml

RT: 4.836 min Scan# 1174

Delta R.T. -0.006 min

Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am

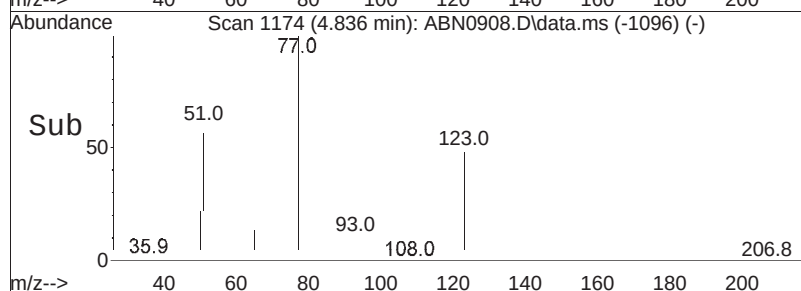
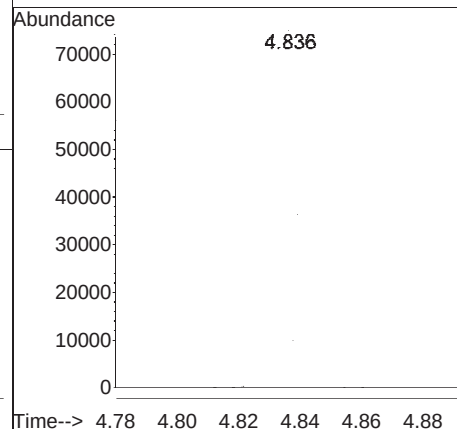
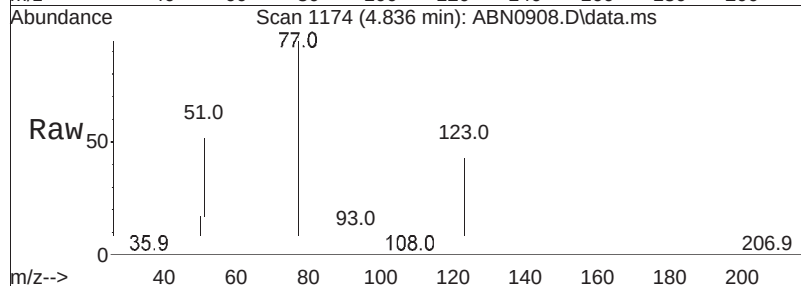
Tgt Ion: 77 Resp: 60599

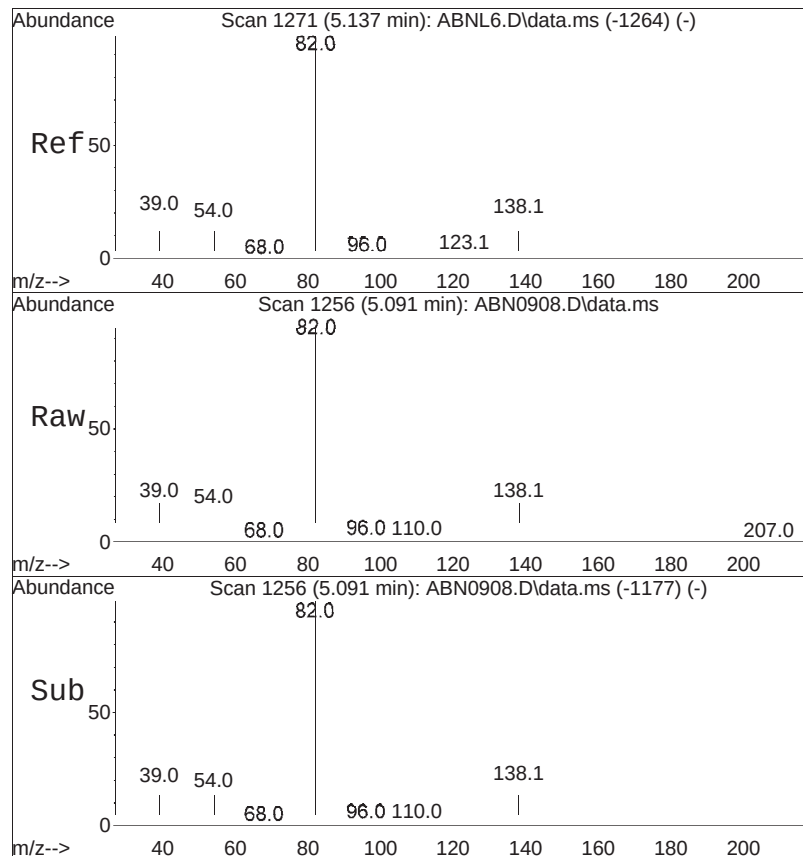
Ion Ratio Lower Upper

77 100

123 48.6 36.3 54.5

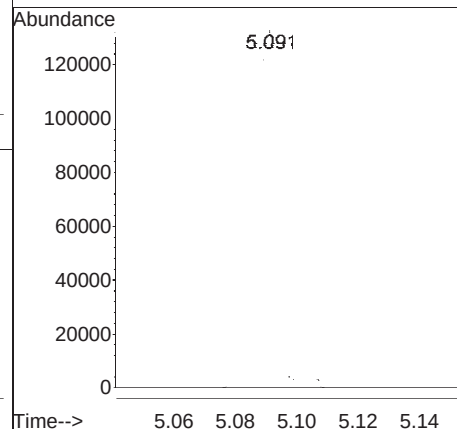
65 13.4 11.6 17.4

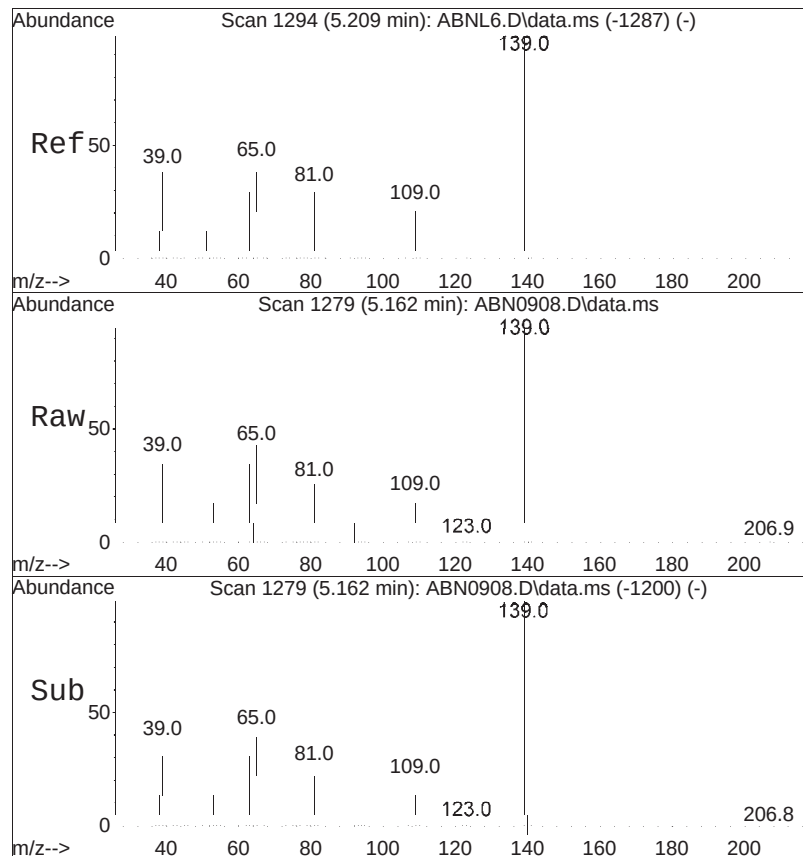




#21
 Isophorone
 Concen: 4.79 ug/ml
 RT: 5.091 min Scan# 1256
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

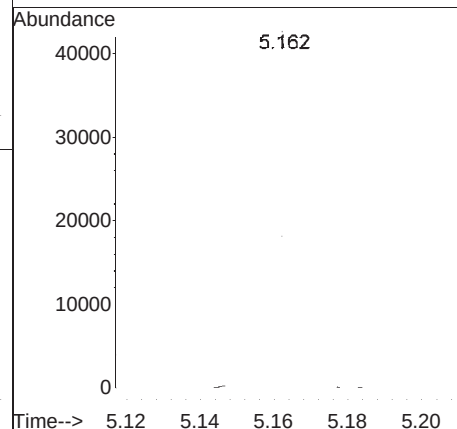
Tgt Ion	Ratio	Lower	Upper
82	100		
138	17.5	14.7	22.1
95	6.9	5.2	7.8

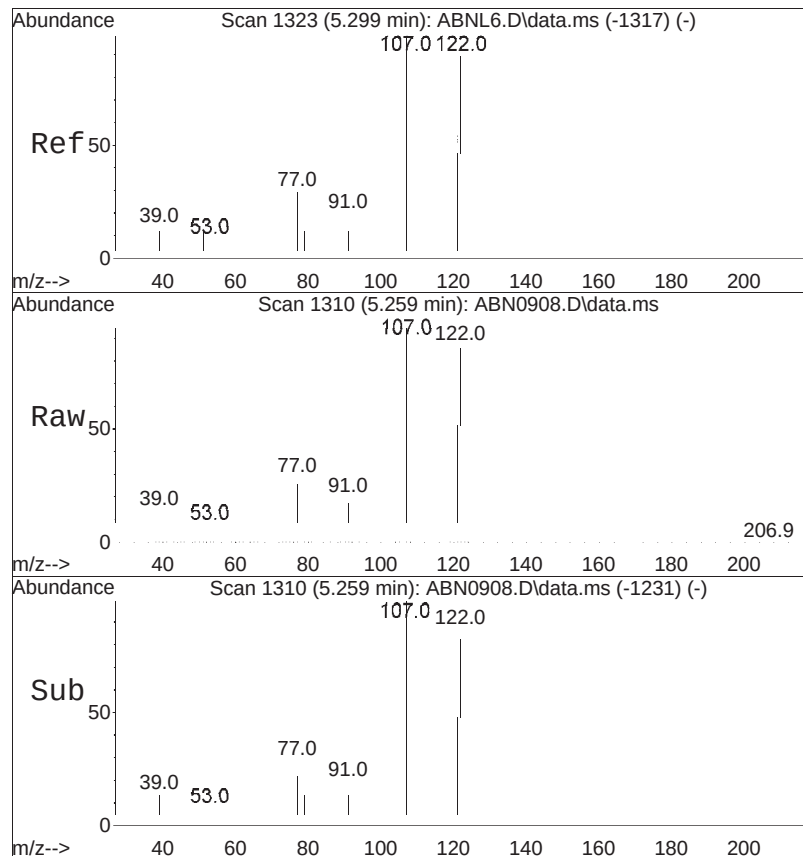




#22
 2-Nitrophenol
 Concen: 5.23 ug/ml
 RT: 5.162 min Scan# 1279
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

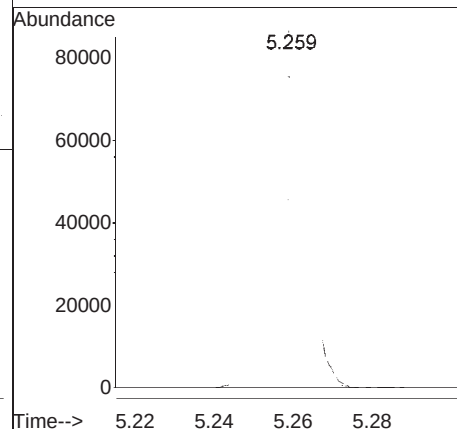
Tgt	Ion:139	Resp:	31732
Ion	Ratio	Lower	Upper
139	100		
109	23.2	19.4	29.0
65	44.6	46.1	69.1#

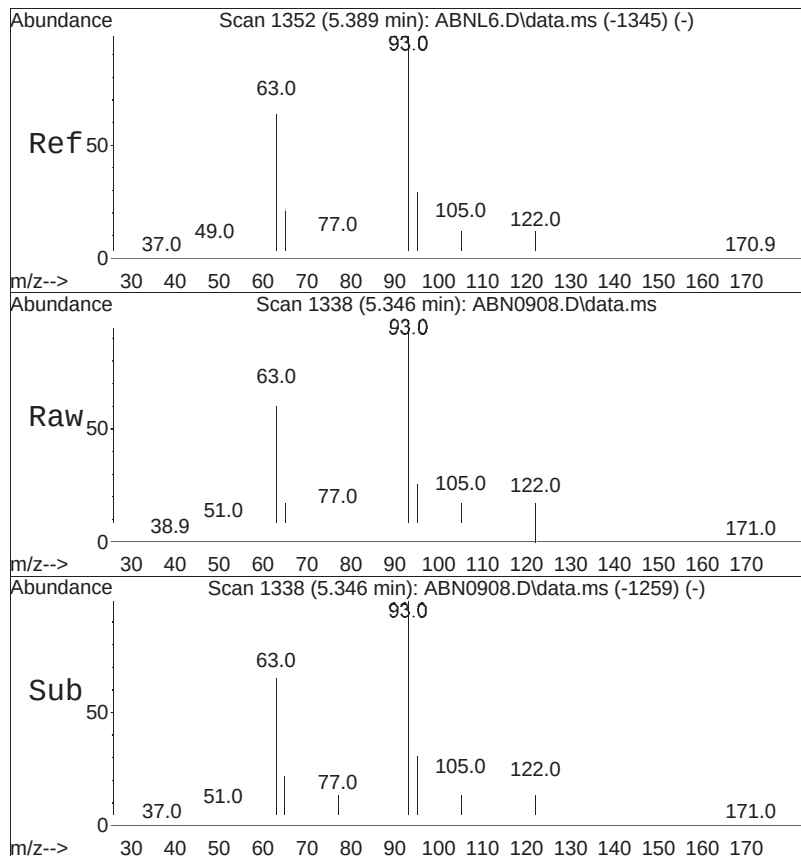




#23
 2,4-Dimethylphenol
 Concen: 5.05 ug/ml
 RT: 5.259 min Scan# 1310
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

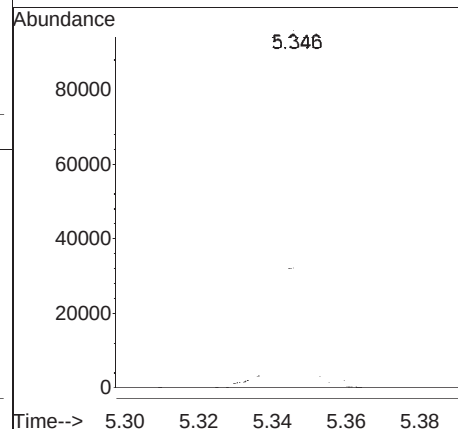
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	60874		
121	52.6		40.0	60.0
122	89.1		70.2	105.4

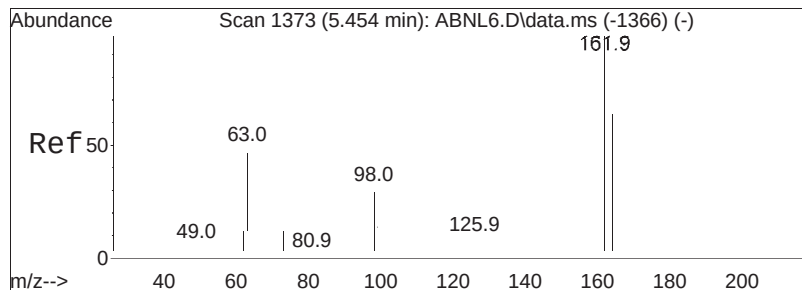




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.95 ug/ml
 RT: 5.346 min Scan# 1338
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

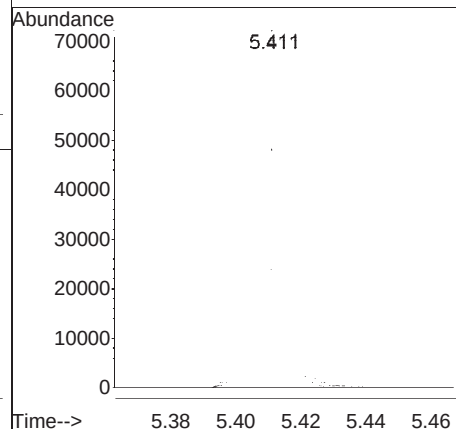
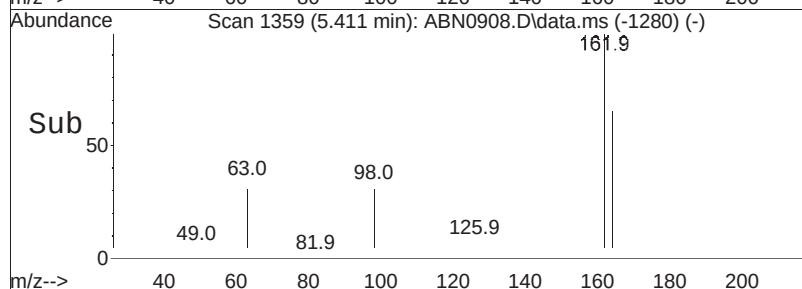
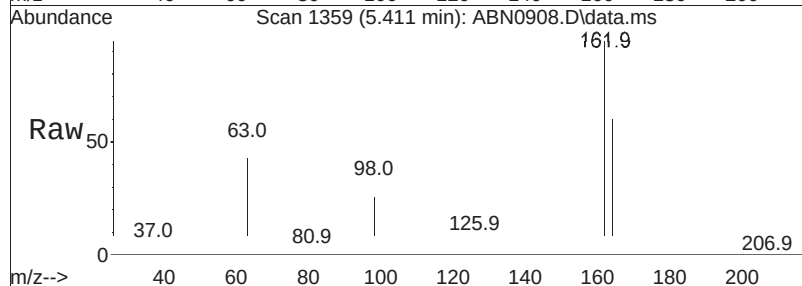
Tgt Ion:	93	Resp:	72595
Ion Ratio	Lower	Upper	
93	100		
95	33.8	25.8	38.8
123	13.3	10.1	15.1

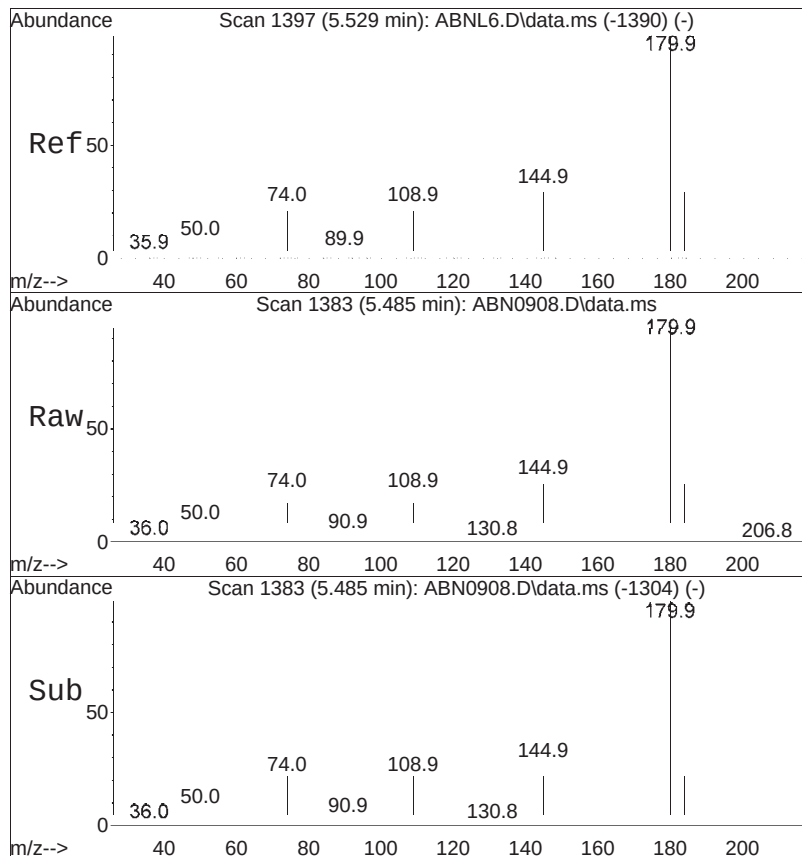




#25
 2,4-Dichlorophenol
 Concen: 5.10 ug/ml
 RT: 5.411 min Scan# 1359
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

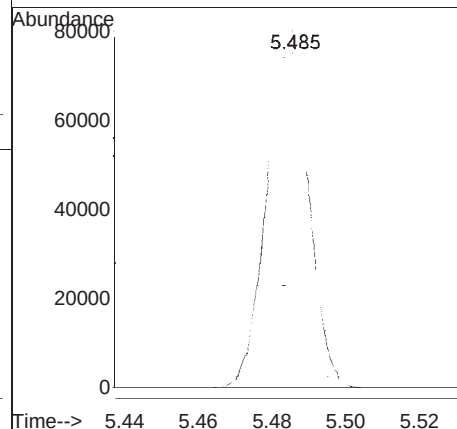
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.7	51.0	76.4
98	32.2	32.2	48.2

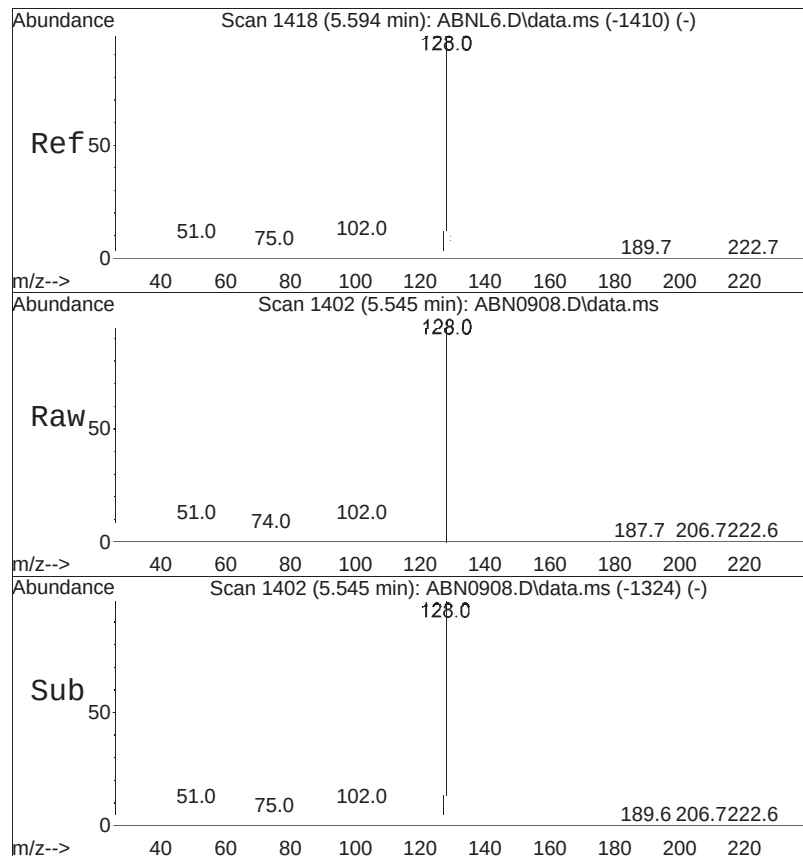




#26
 1,2,4-Trichlorobenzene
 Concen: 4.85 ug/ml
 RT: 5.485 min Scan# 1383
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

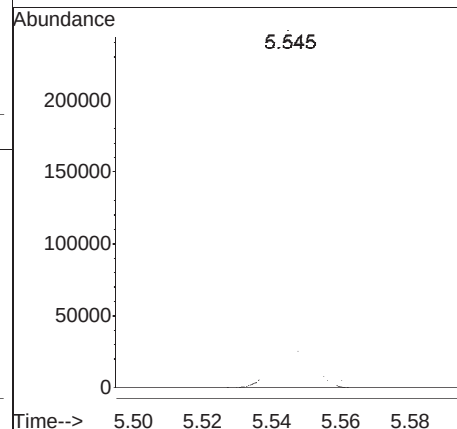
Tgt Ion:	180	Resp:	63088
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.0	114.0
145	29.0	25.7	38.5

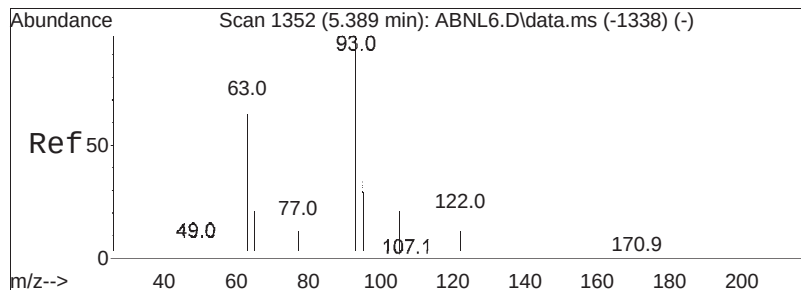




#36
 Naphthalene
 Concen: 4.82 ug/ml
 RT: 5.545 min Scan# 1402
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt	Ion:128	Resp:	196513
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.3	15.5





#37

Benzoic Acid

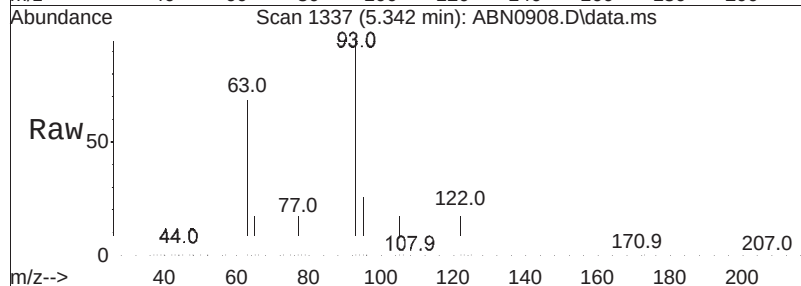
Concen: 4.07 ug/ml

RT: 5.342 min Scan# 1337

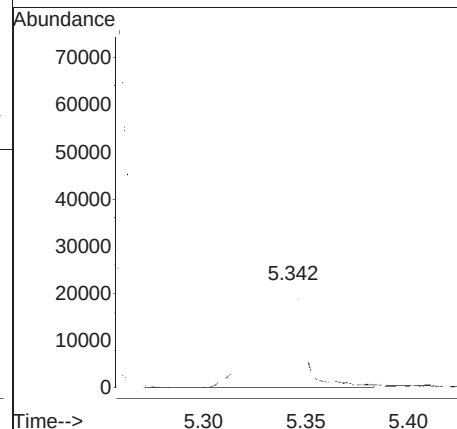
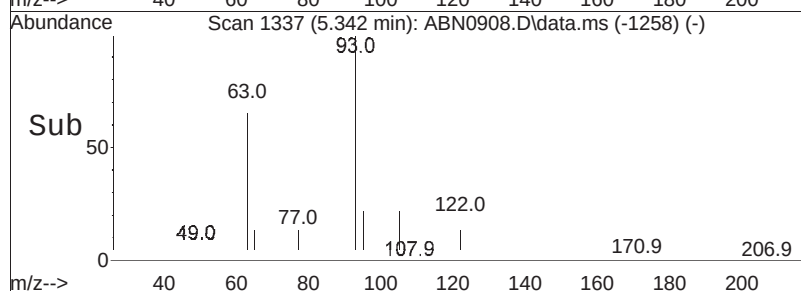
Delta R.T. -0.003 min

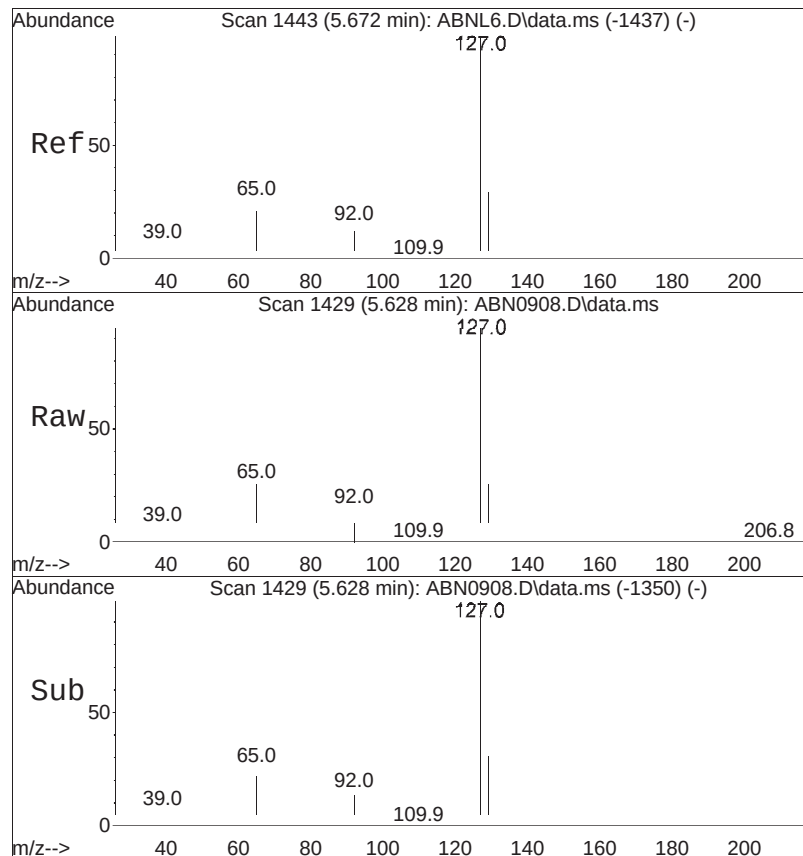
Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am



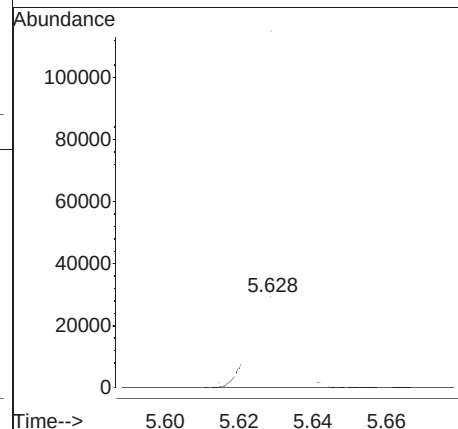
Tgt Ion:	105	Resp:	34157
Ion Ratio	Lower	Upper	
105	100		
122	85.6	59.9	89.9
77	71.6	60.1	90.1

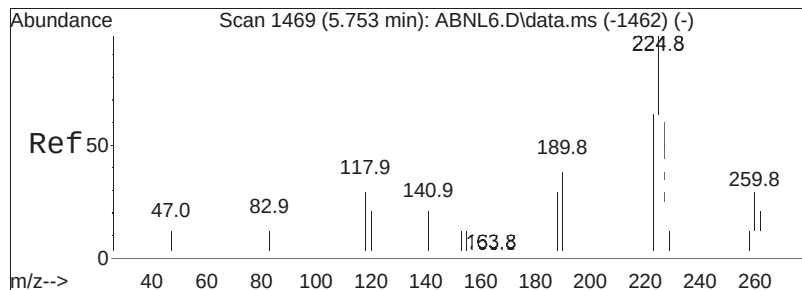




#38
 4-Chloroaniline
 Concen: 4.98 ug/ml
 RT: 5.628 min Scan# 1429
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt Ion	Ratio	Lower	Upper
65	100		
127	381.6	237.6	356.4#
129	123.3	76.3	114.5#





#39

Hexachlorobutadiene

Concen: 4.73 ug/ml

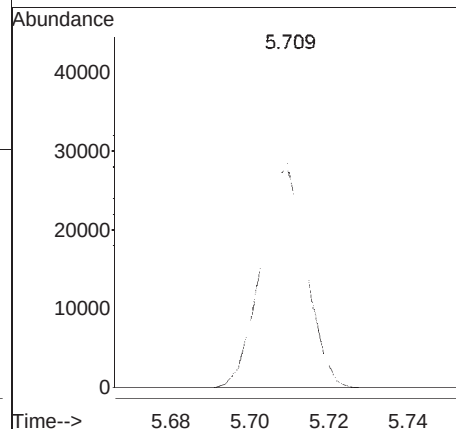
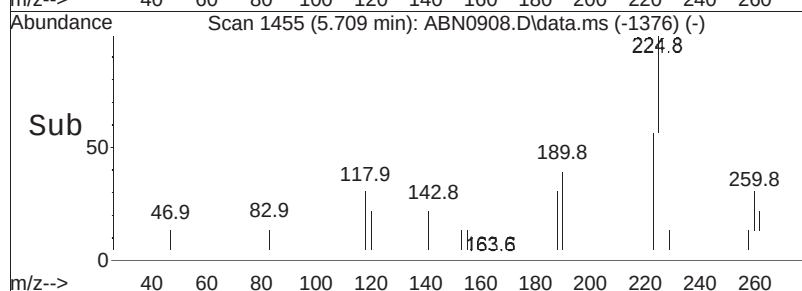
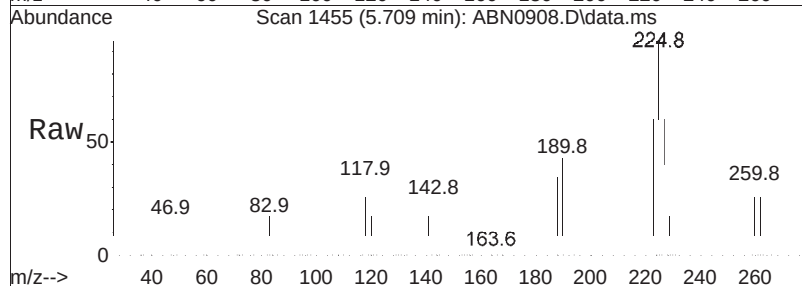
RT: 5.709 min Scan# 1455

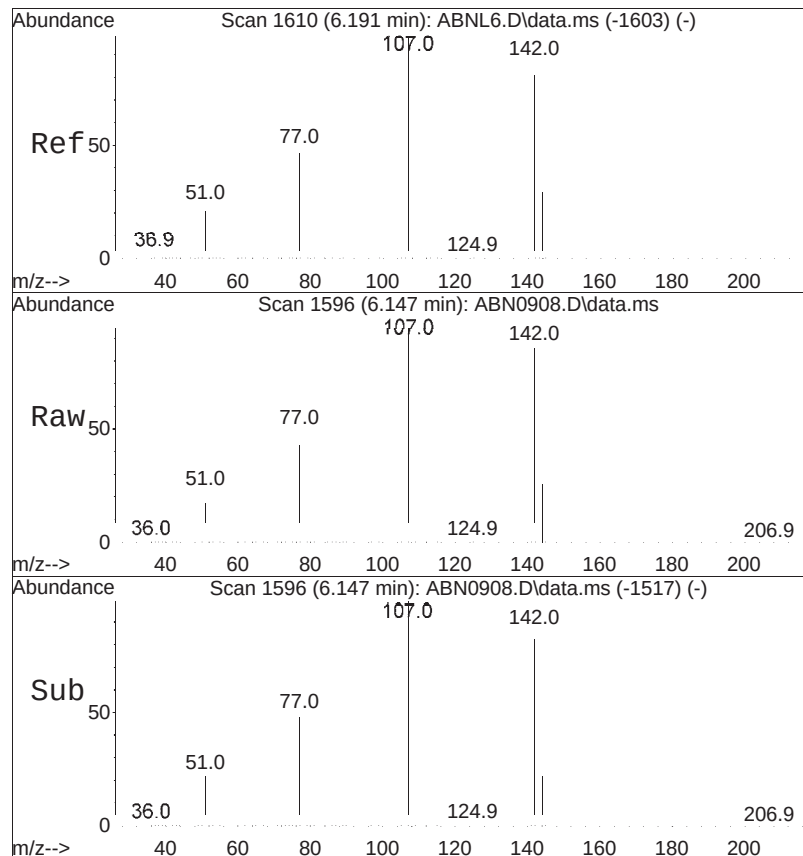
Delta R.T. -0.003 min

Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am

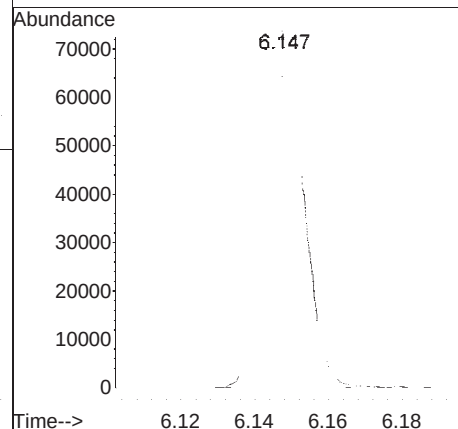
Tgt Ion:	225	Resp:	35719
Ion Ratio	Lower	Upper	
225	100		
223	61.9	50.3	75.5
227	63.4	52.2	78.2

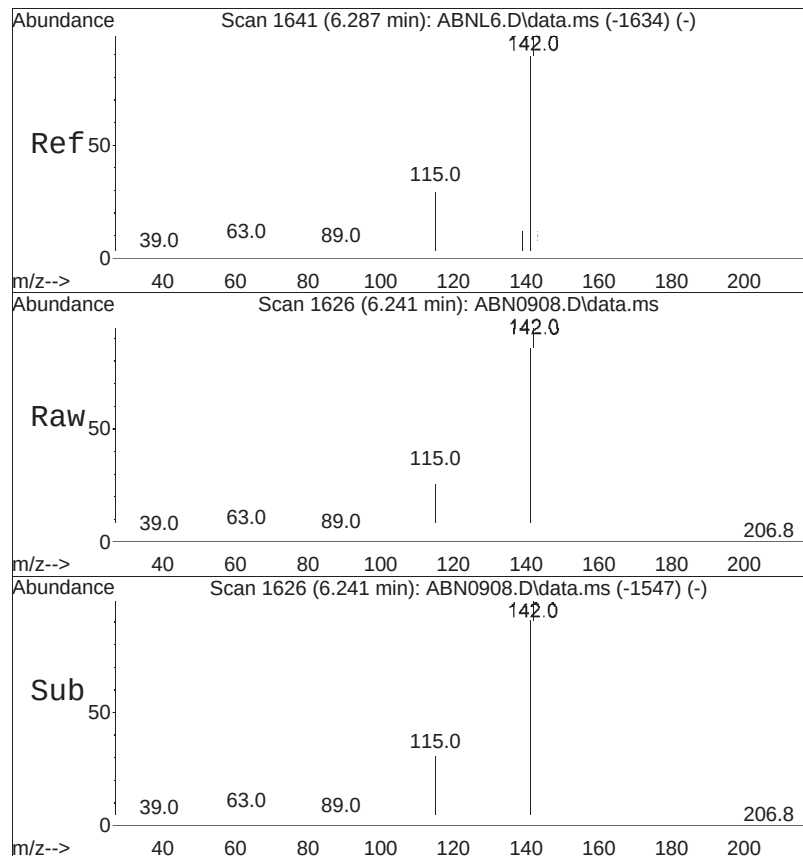




#40
 p-Chloro-m-cresol
 Concen: 4.91 ug/ml
 RT: 6.147 min Scan# 1596
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

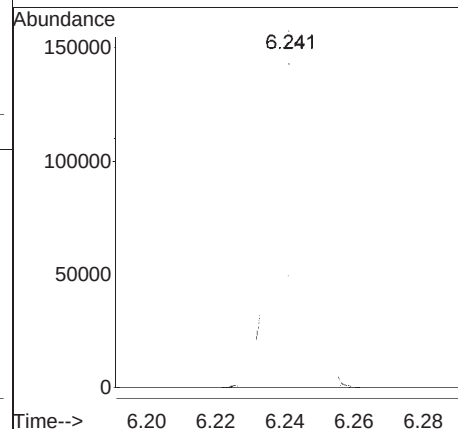
Tgt Ion:	107	Resp:	52591
Ion Ratio	Lower	Upper	
107	100		
144	28.5	20.9	31.3
142	88.7	66.1	99.1

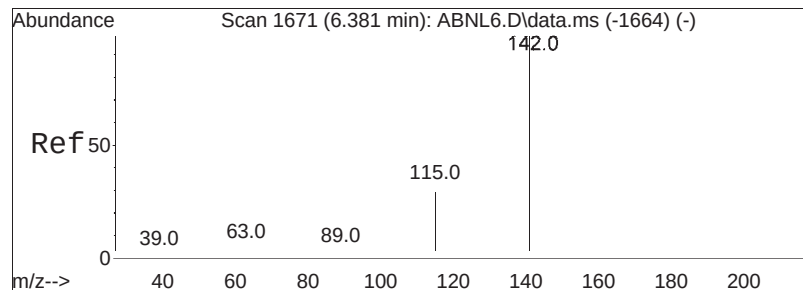




#41
 2-Methylnaphthalene
 Concen: 5.06 ug/ml
 RT: 6.241 min Scan# 1626
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

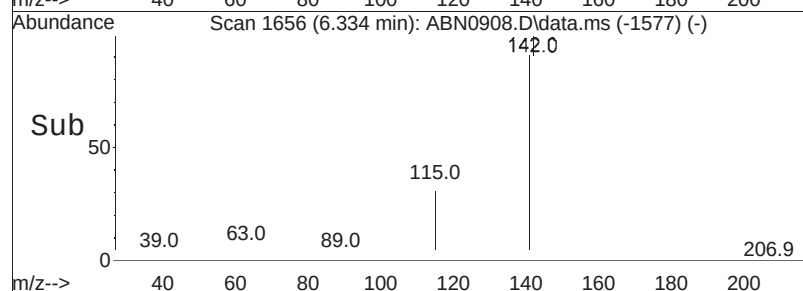
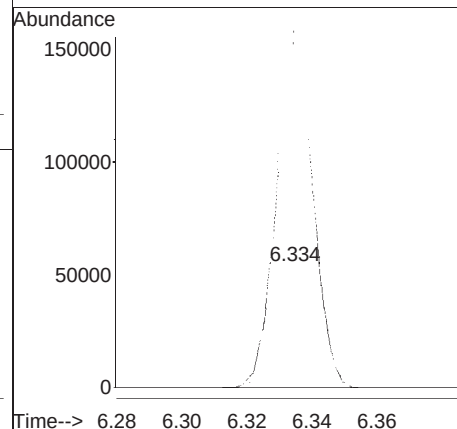
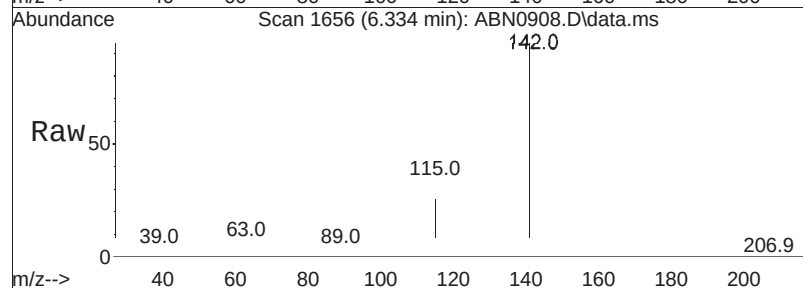
Tgt Ion:	142	Resp:	122120
Ion Ratio	Lower	Upper	
142	100		
141	90.3	69.6	104.4
115	31.0	26.6	40.0

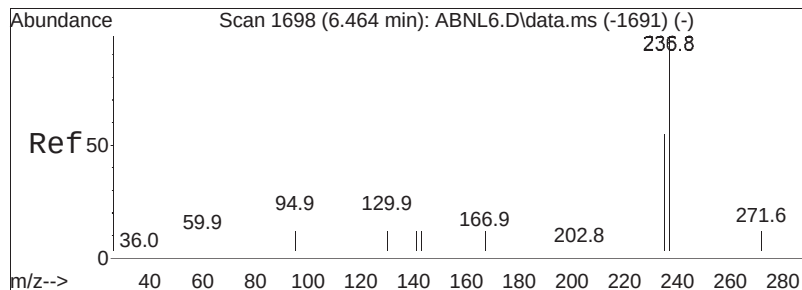




#42
 1-Methylnaphthalene
 Concen: 4.83 ug/ml
 RT: 6.334 min Scan# 1656
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

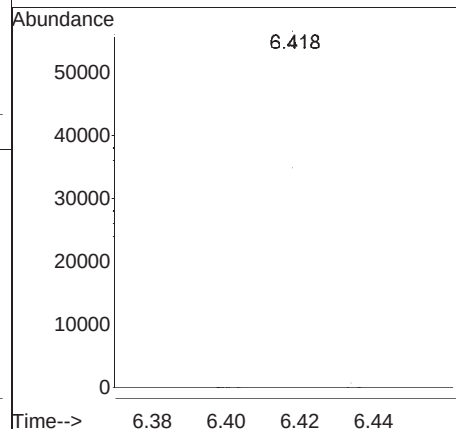
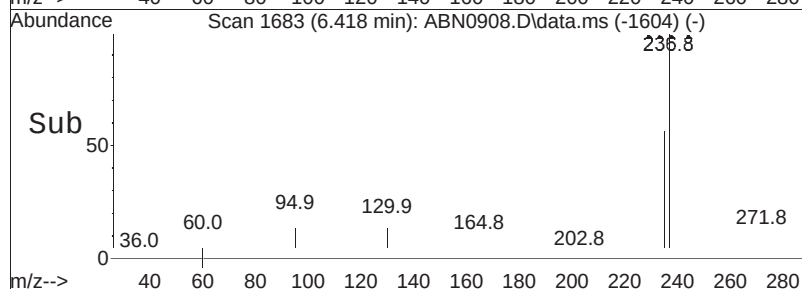
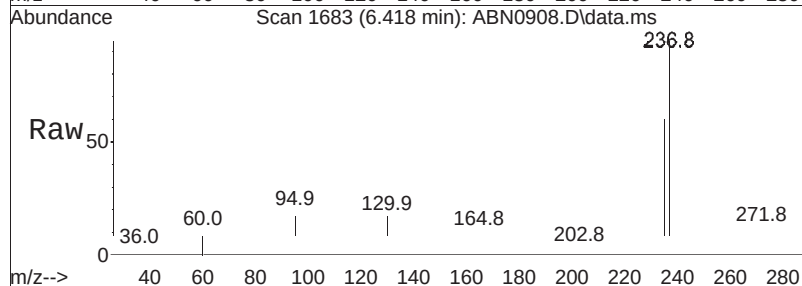
Tgt Ion	Ratio	Lower	Upper
115	100		
141	286.1	207.8	311.6
142	298.8	226.8	340.2

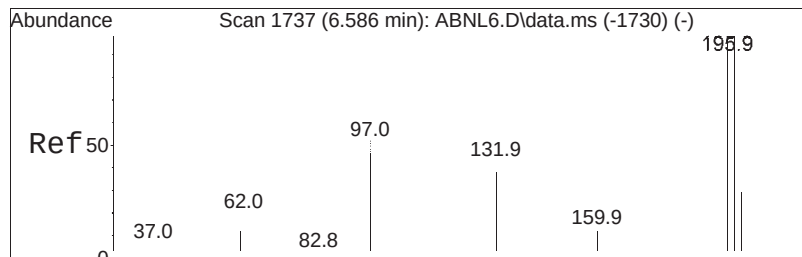




#43
 Hexachlorocyclopentadiene
 Concen: 4.66 ug/ml
 RT: 6.418 min Scan# 1683
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt Ion	Ratio	Lower	Upper
237	100		
235	60.8	49.7	74.5
272	12.3	9.8	14.6





#44

2,4,6-Trichlorophenol

Concen: 5.34 ug/ml

RT: 6.539 min Scan# 1722

Delta R.T. -0.003 min

Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am

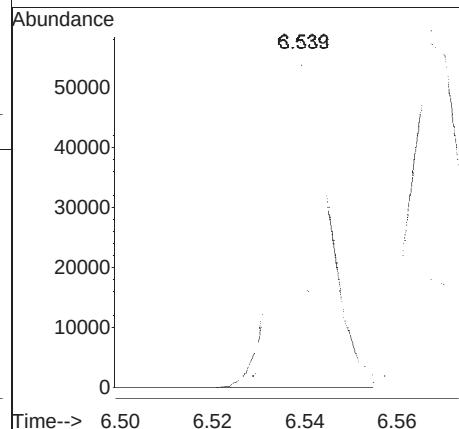
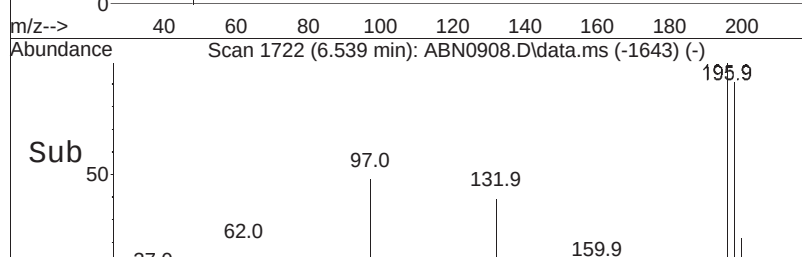
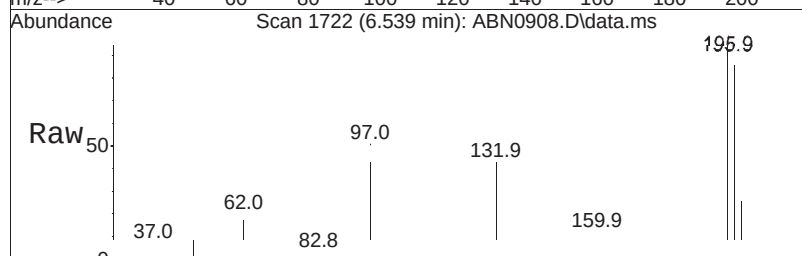
Tgt Ion:196 Resp: 42987

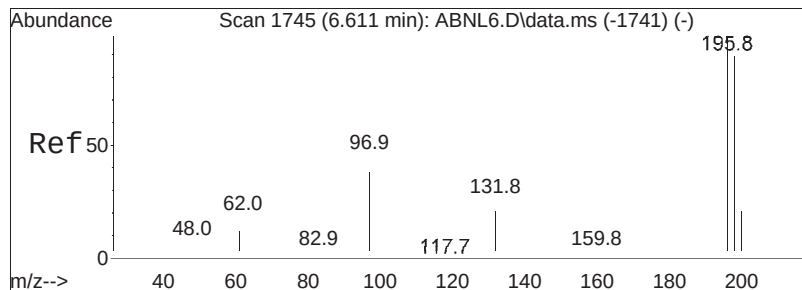
Ion Ratio Lower Upper

196 100

198 94.2 77.5 116.3

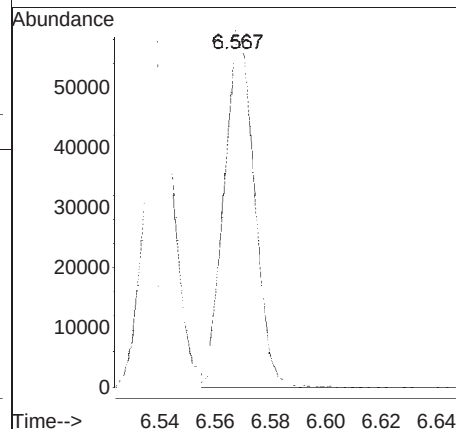
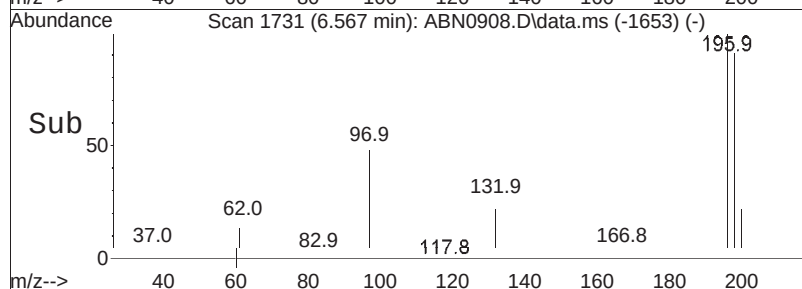
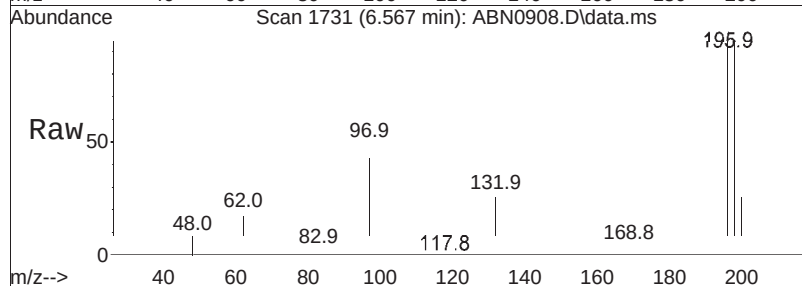
200 30.4 23.8 35.6

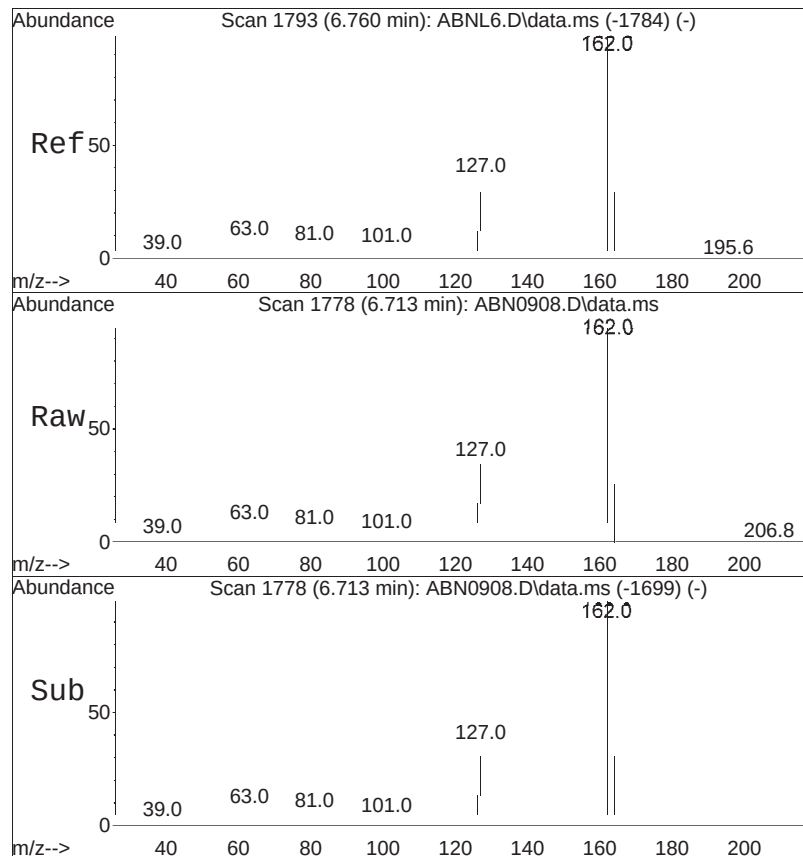




#45
 2,4,5-Trichlorophenol
 Concen: 5.09 ug/ml
 RT: 6.567 min Scan# 1731
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

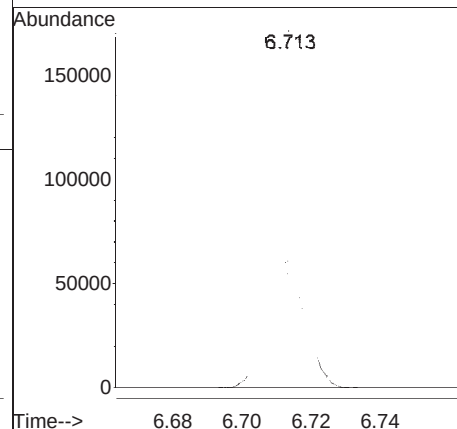
Tgt Ion	Ratio	Lower	Upper
196	100		
200	31.1	25.4	38.0
198	98.0	78.0	117.0

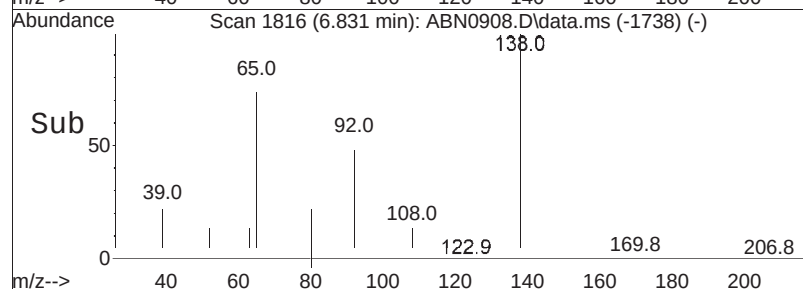
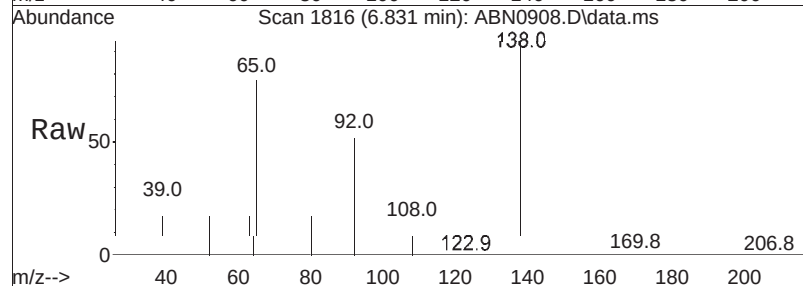
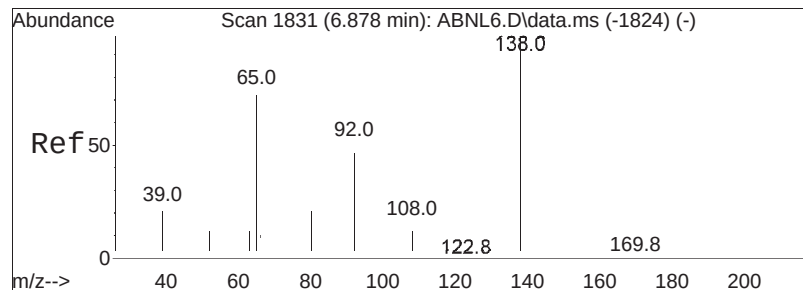




#47
 2-Chloronaphthalene
 Concen: 4.78 ug/ml
 RT: 6.713 min Scan# 1778
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

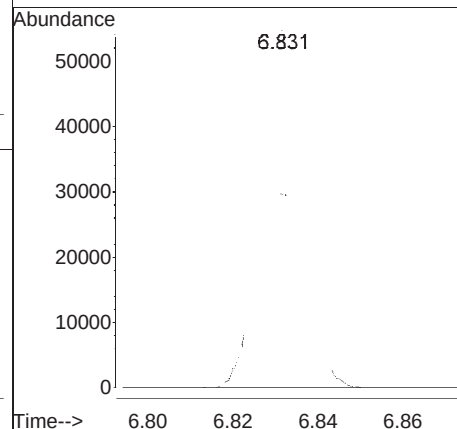
Tgt	Ion:162	Resp:	130907
Ion	Ratio	Lower	Upper
162	100		
127	36.3	32.2	48.4
164	32.4	25.7	38.5

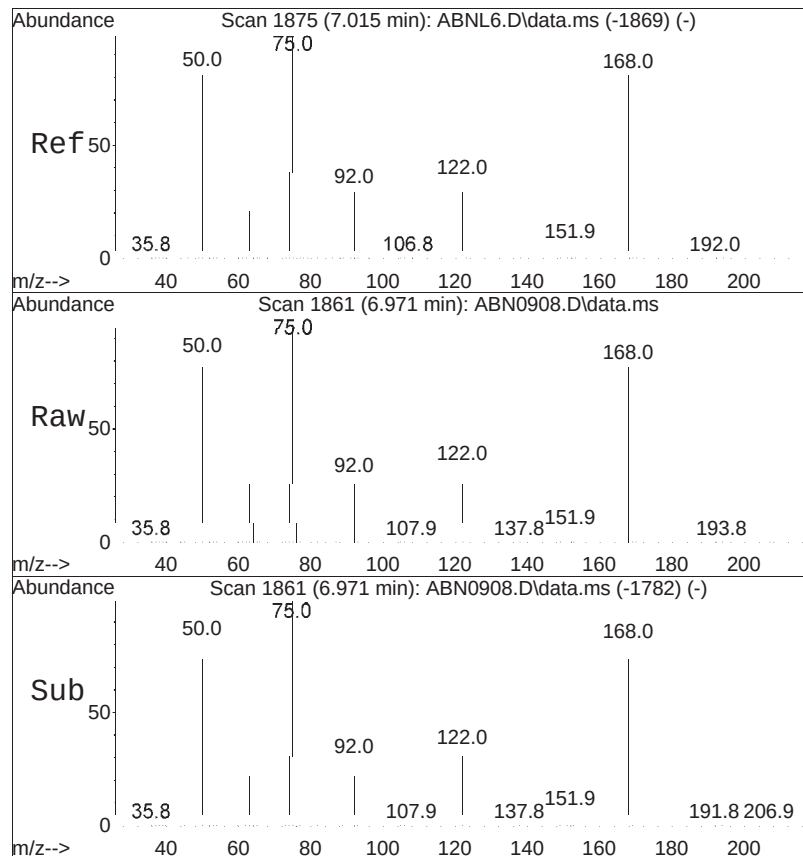




#48
 2-Nitroaniline
 Concen: 5.18 ug/ml
 RT: 6.831 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

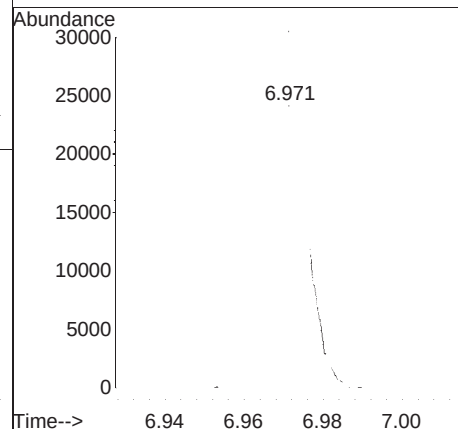
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	40246		
92	57.1		53.5	80.3
65	79.2		86.3	129.5#

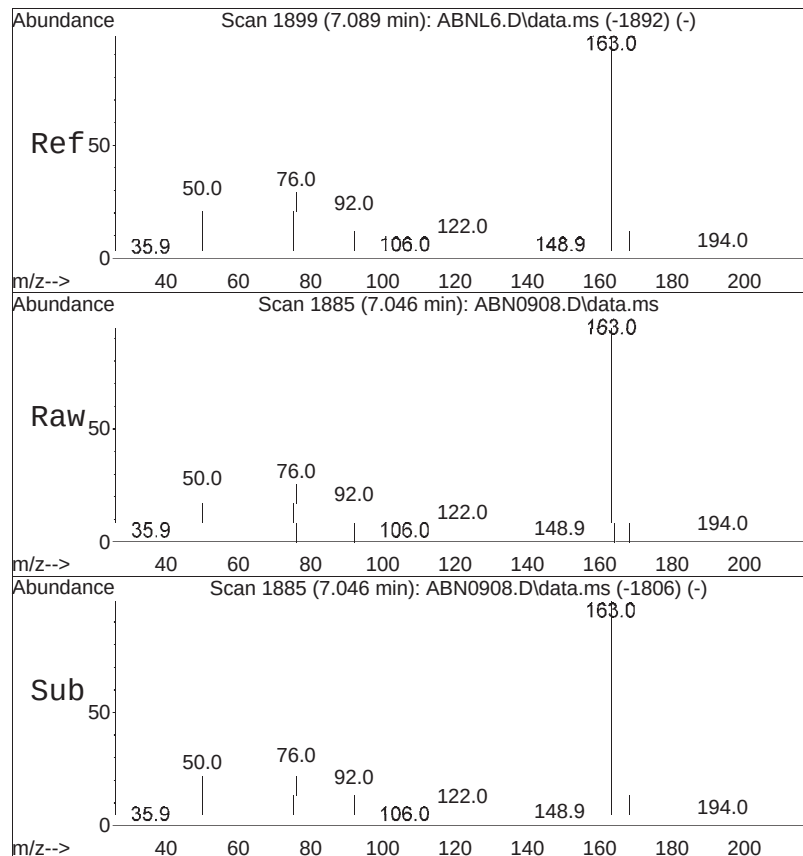




#49
 1,4-Dinitrobenzene
 Concen: 4.82 ug/ml
 RT: 6.971 min Scan# 1861
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

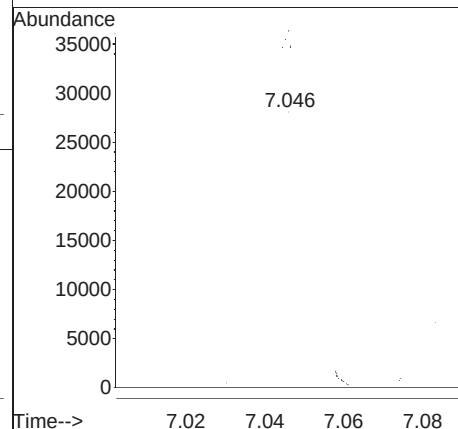
Tgt Ion	Ratio	Lower	Upper
168	100		
75	128.2	121.8	182.8

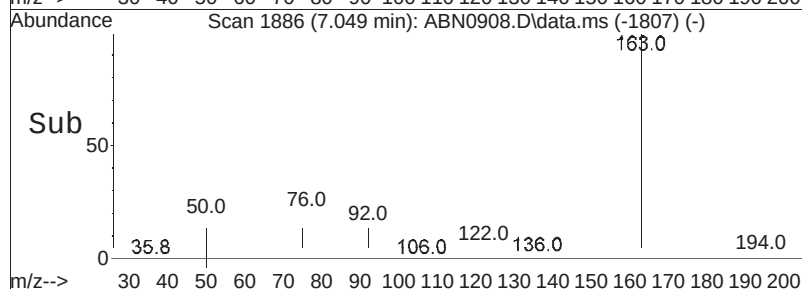
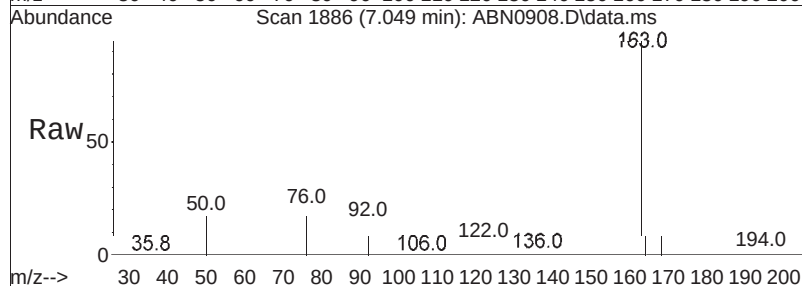
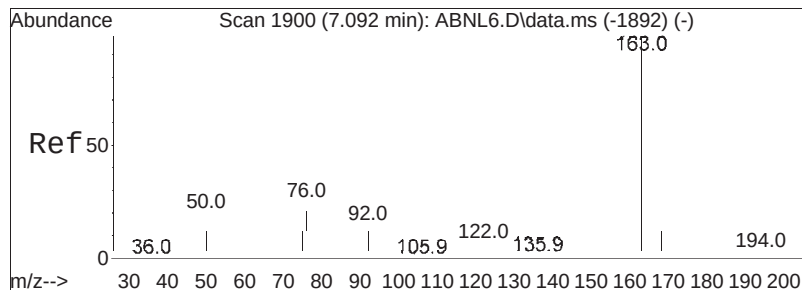




#50
 1,3-Dinitrobenzene
 Concen: 5.04 ug/ml
 RT: 7.046 min Scan# 1885
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

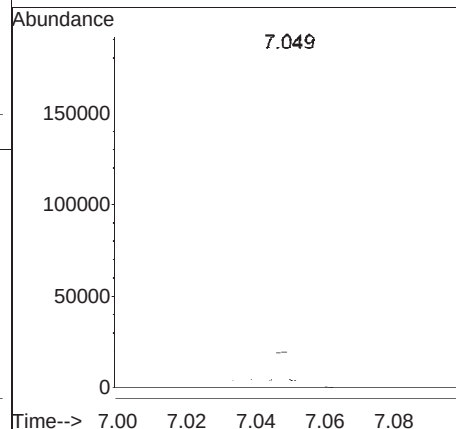
Tgt Ion	Ratio	Lower	Upper
168	100		
75	130.0	22.7	34.1#

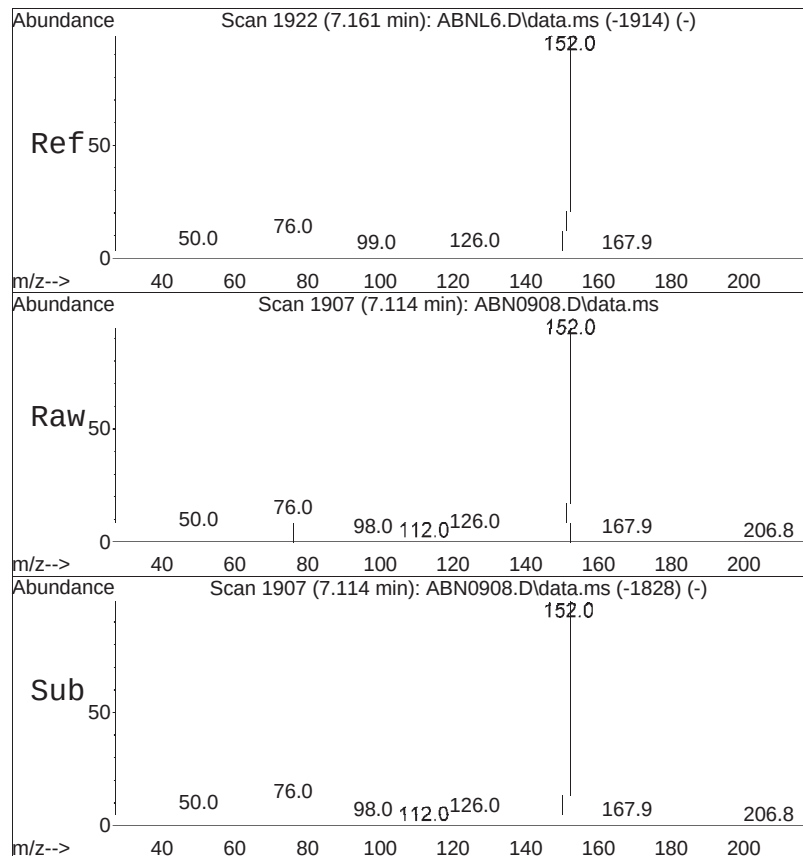




#51
 Dimethyl phthalate
 Concen: 4.68 ug/ml
 RT: 7.049 min Scan# 1886
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

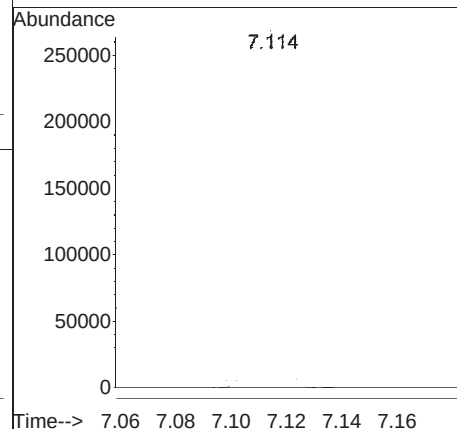
Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.5	5.3#
164	10.2	7.9	11.9

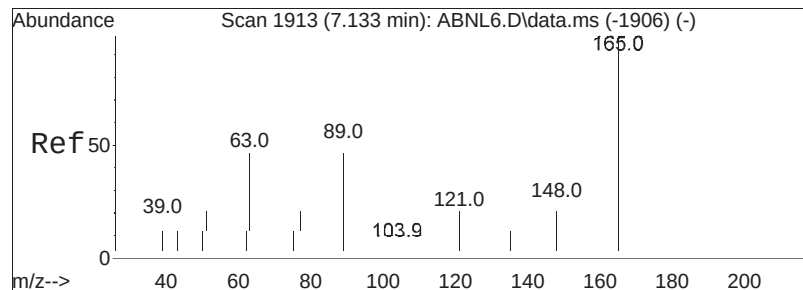




#52
 Acenaphthylene
 Concen: 4.88 ug/ml
 RT: 7.114 min Scan# 1907
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

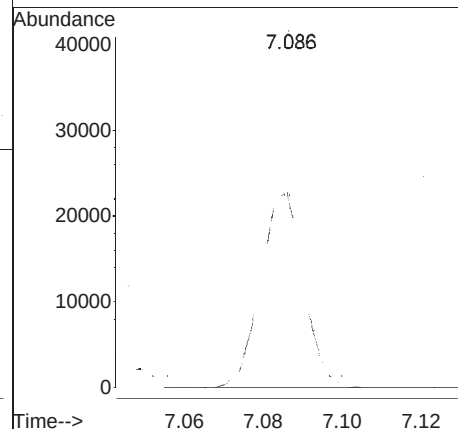
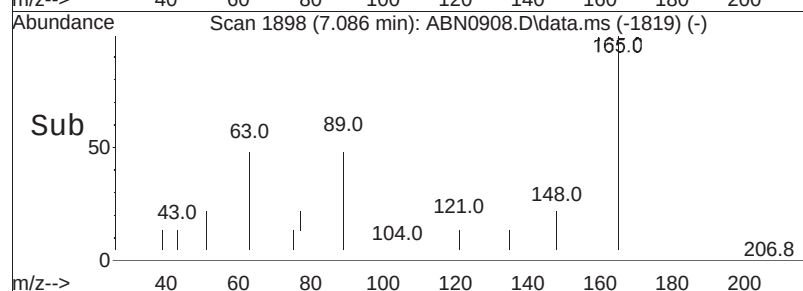
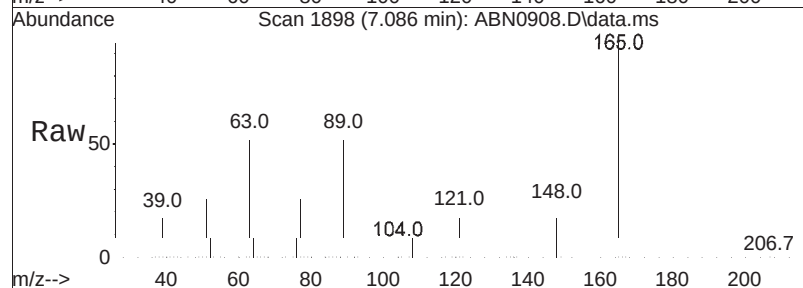
Tgt Ion:	152	Resp:	215323
Ion Ratio	Lower	Upper	
152	100		
151	20.3	15.8	23.6
153	13.3	10.5	15.7

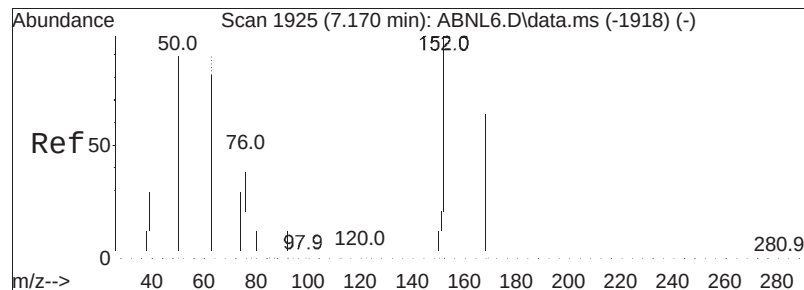




#53
 2,6-Dinitrotoluene
 Concen: 4.93 ug/ml
 RT: 7.086 min Scan# 1898
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

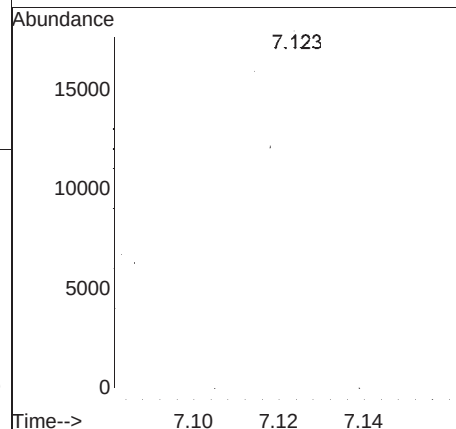
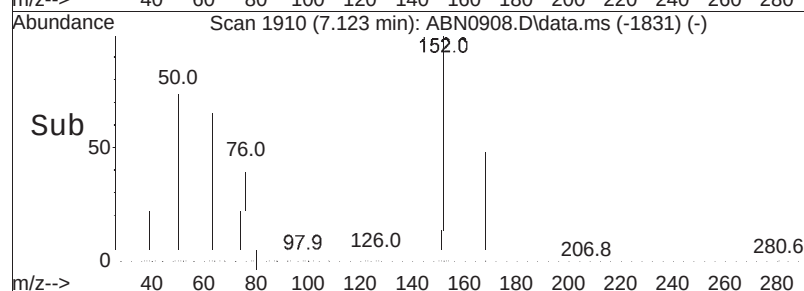
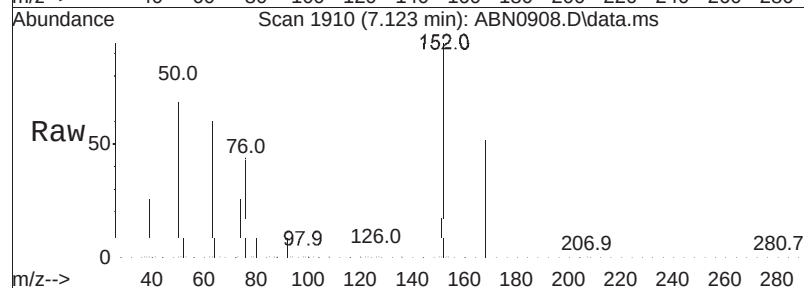
Tgt Ion	Ratio	Lower	Upper
165	100		
89	55.7	54.2	81.2
63	55.2	64.2	96.2#

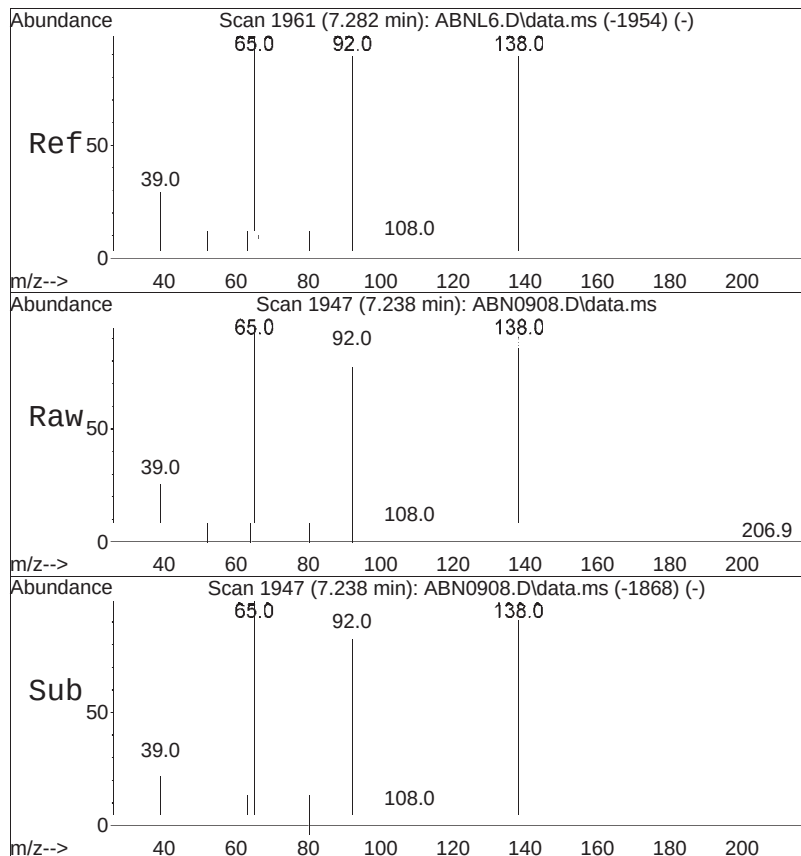




#54
 1,2-Dinitrobenzene
 Concen: 5.15 ug/ml
 RT: 7.123 min Scan# 1910
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

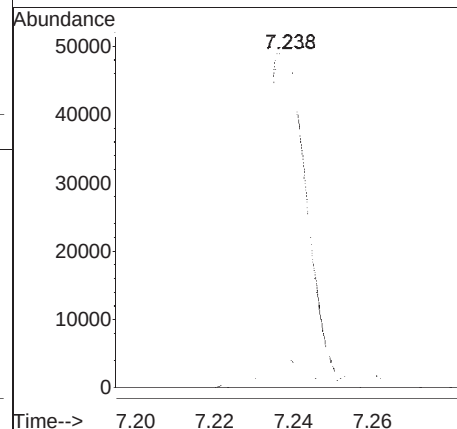
Tgt Ion	Ratio	Lower	Upper
168	100		
75	114.1	30.9	46.3#

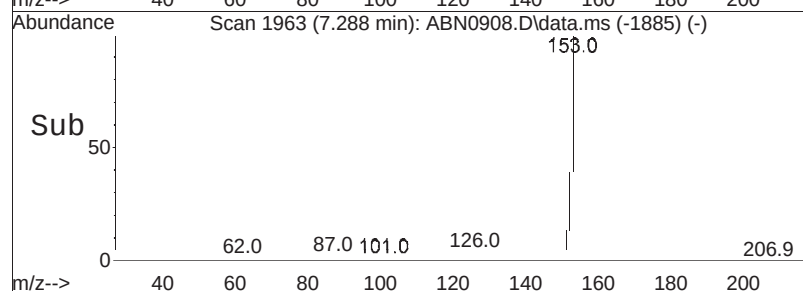
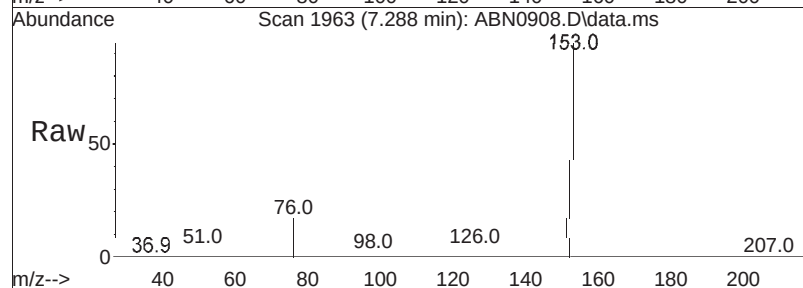
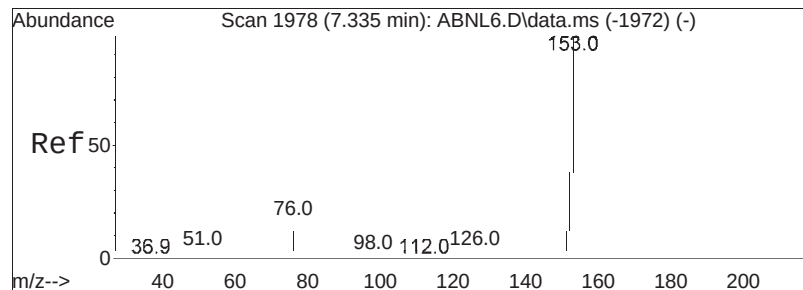




#64
 3-Nitroaniline
 Concen: 5.10 ug/ml
 RT: 7.238 min Scan# 1947
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

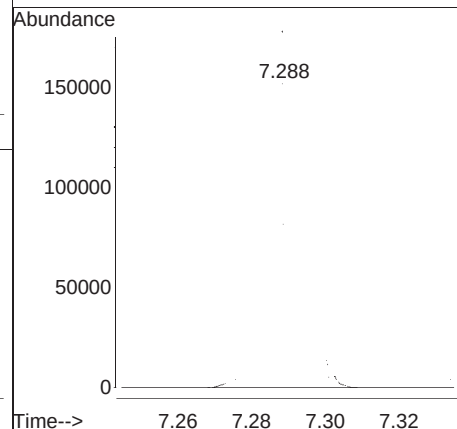
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	38585		
92	102.3		93.4	140.2
108	8.5		9.5	14.3#

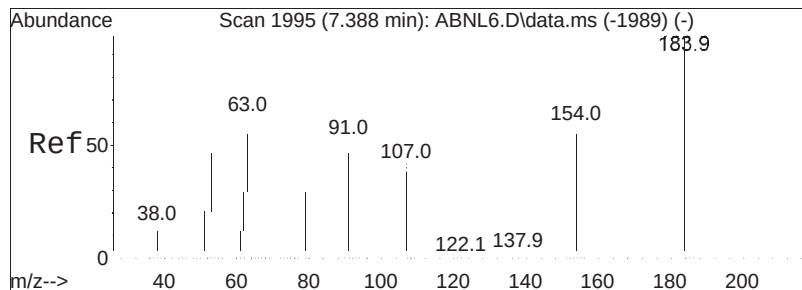




#65
 Acenaphthene
 Concen: 4.73 ug/ml
 RT: 7.288 min Scan# 1963
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

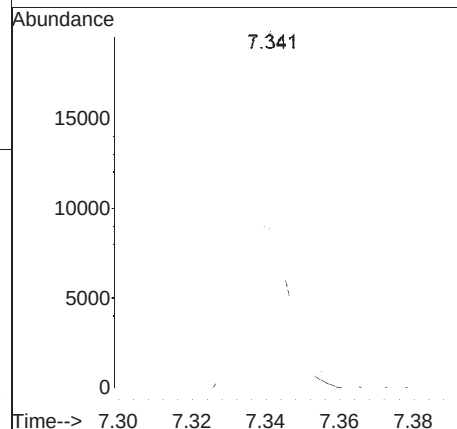
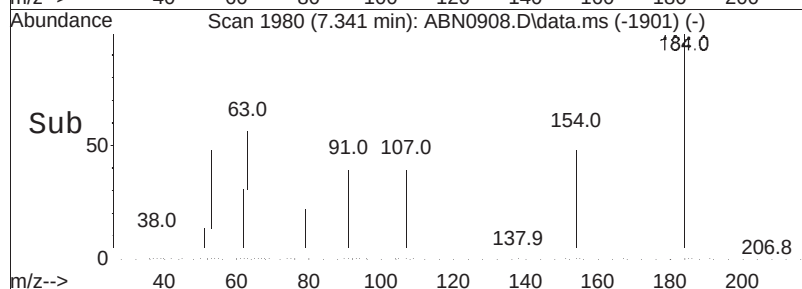
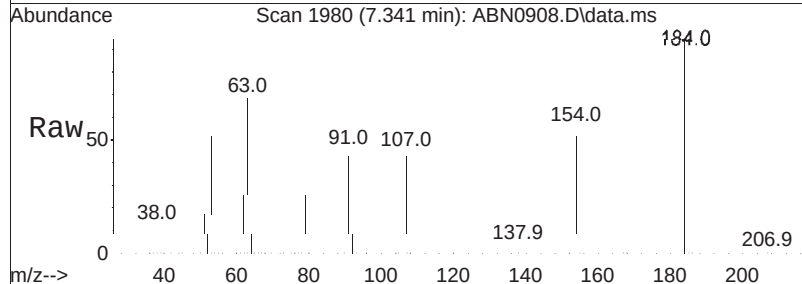
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	119048		
153	118.9		85.3	127.9
152	54.4		41.4	62.0

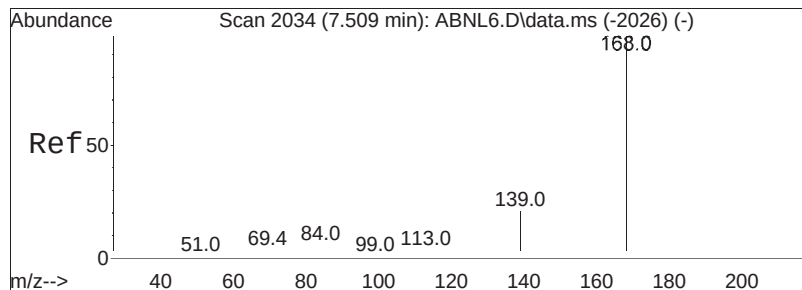




#66
 2,4-Dinitrophenol
 Concen: 4.12 ug/ml
 RT: 7.341 min Scan# 1980
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

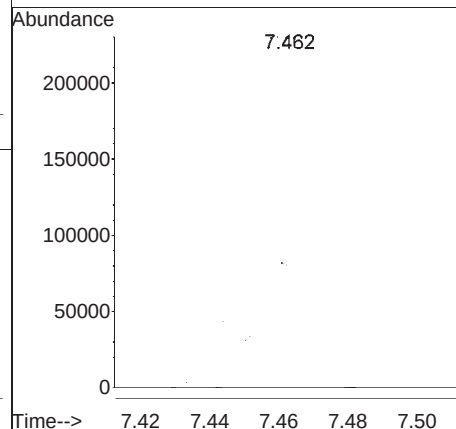
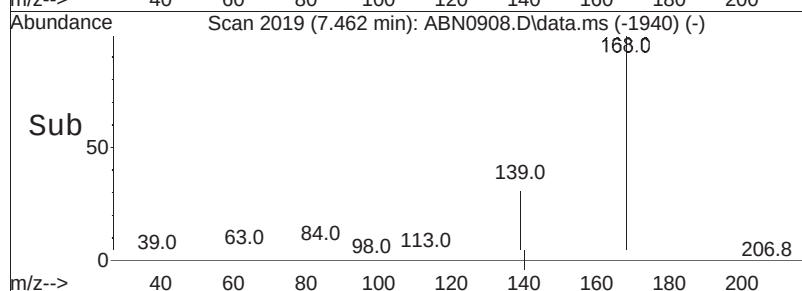
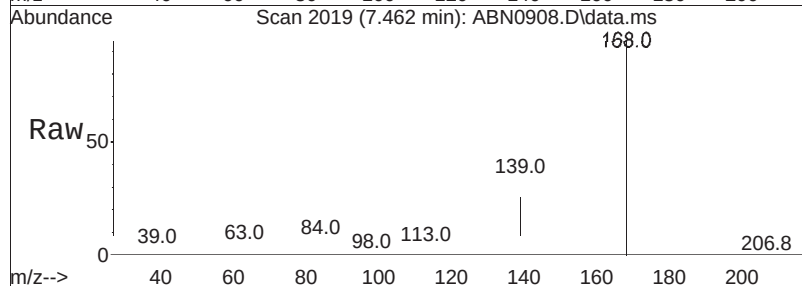
Tgt Ion:	184	Resp:	15104
Ion Ratio	Lower	Upper	
184	100		
107	44.0	37.7	56.5
91	47.5	46.3	69.5

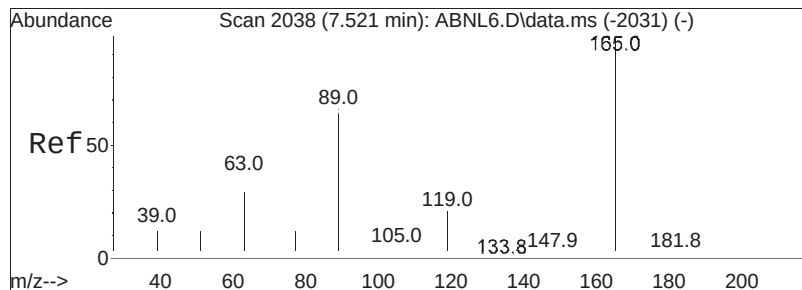




#67
 Dibenzofuran
 Concen: 4.72 ug/ml
 RT: 7.462 min Scan# 2019
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

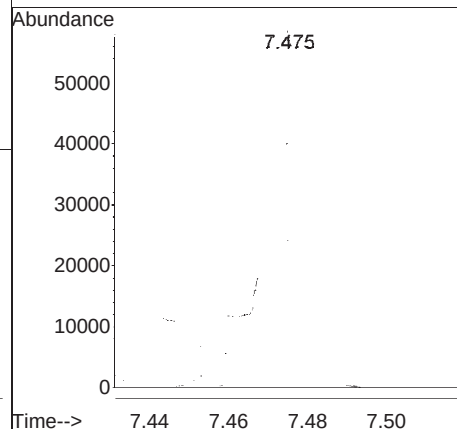
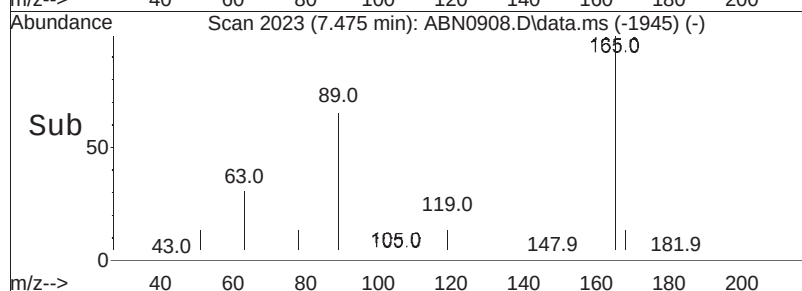
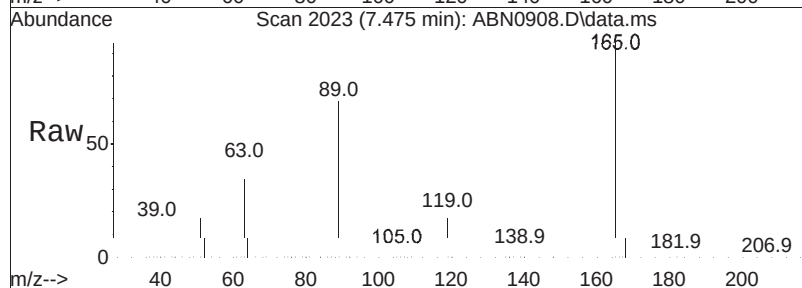
Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.6	31.4	47.2

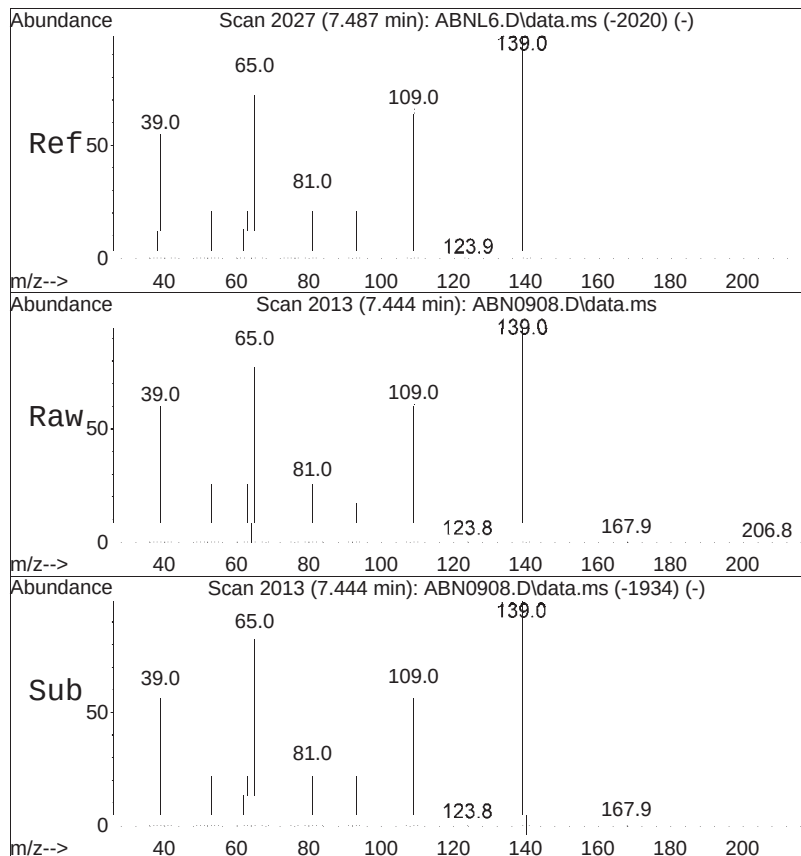




#68
 2,4-Dinitrotoluene
 Concen: 5.18 ug/ml
 RT: 7.475 min Scan# 2023
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

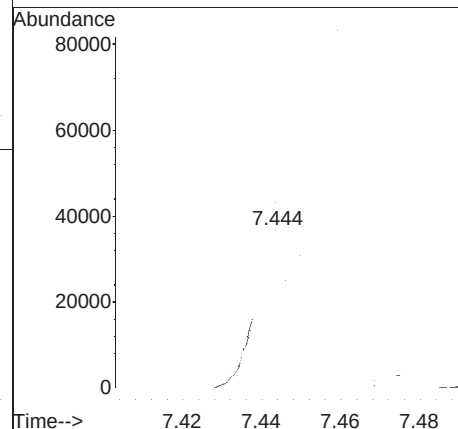
Tgt Ion:	165	Resp:	44155
Ion Ratio	Lower	Upper	
165	100		
89	79.5	72.0	108.0
63	59.3	52.7	79.1

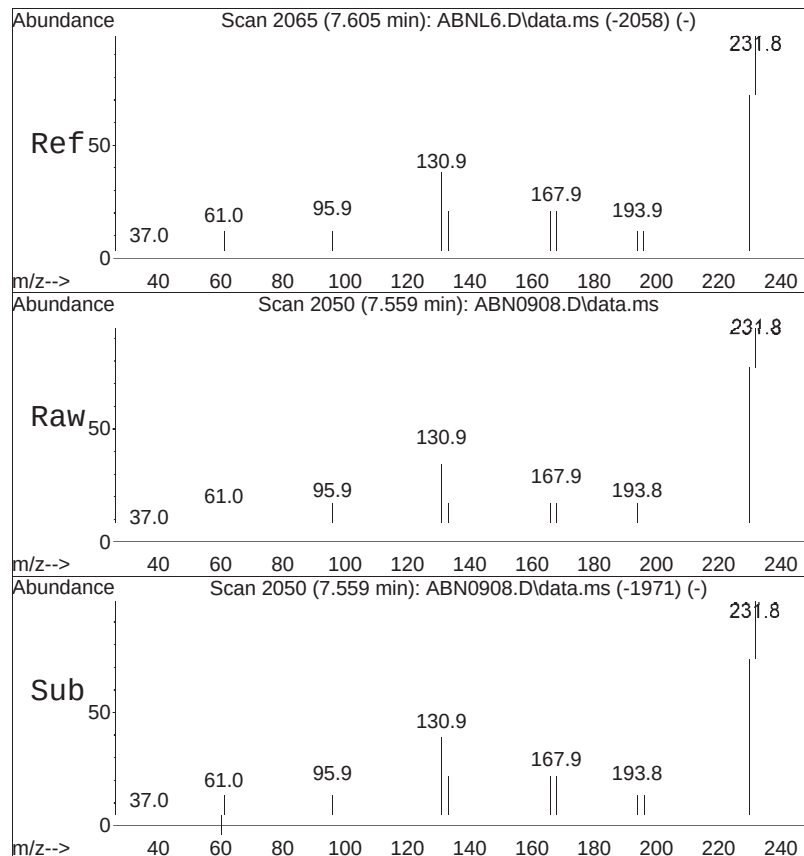




#69
 4-Nitrophenol
 Concen: 5.27 ug/ml
 RT: 7.444 min Scan# 2013
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

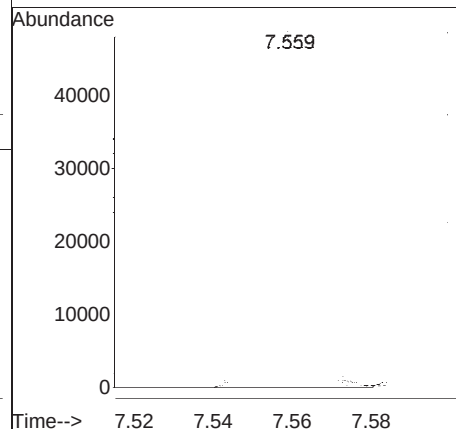
Tgt Ion:	65	Resp:	27785
Ion Ratio	Lower	Upper	
65	100		
109	72.4	47.4	71.2#
139	110.9	76.6	115.0

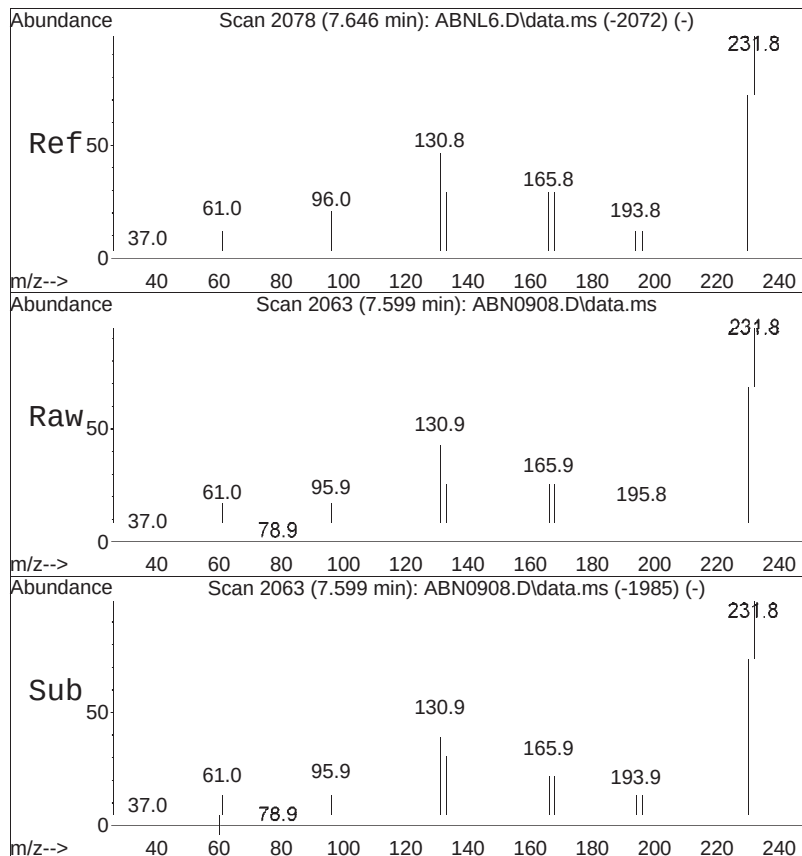




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 5.19 ug/ml
 RT: 7.559 min Scan# 2050
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

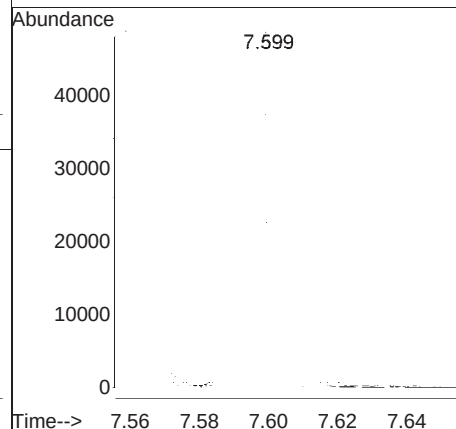
Tgt Ion	Ratio	Resp	Lower	Upper
232	100	39039		
230	76.5		64.2	96.4
234	46.9		38.1	57.1

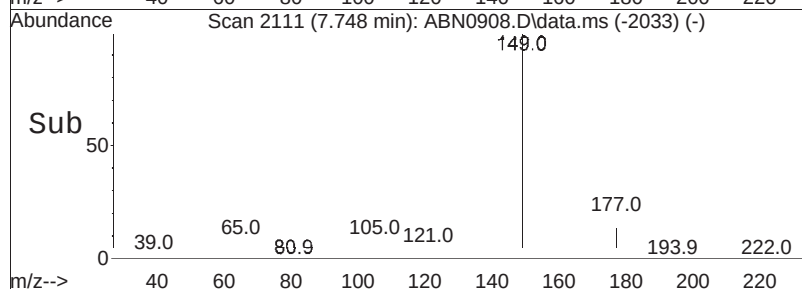
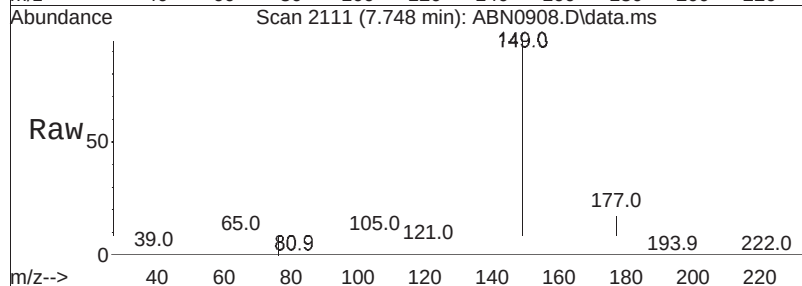
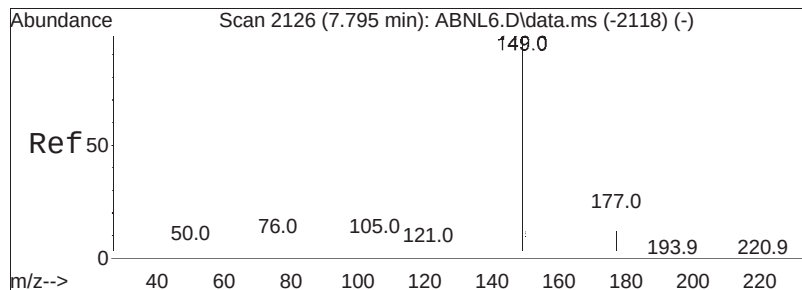




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 5.08 ug/ml
 RT: 7.599 min Scan# 2063
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt Ion:	232	Resp:	37117
Ion Ratio	Lower	Upper	
232	100		
230	80.2	61.8	92.8
234	48.7	36.2	54.2





#72

Diethyl phthalate

Concen: 4.56 ug/ml

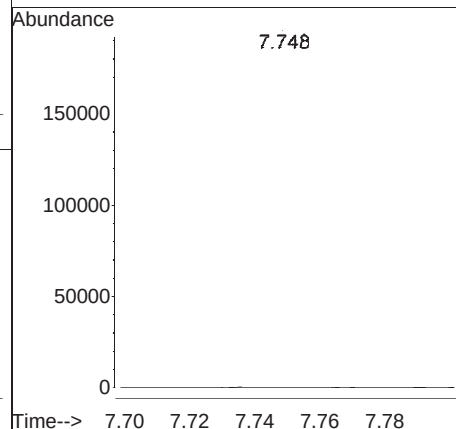
RT: 7.748 min Scan# 2111

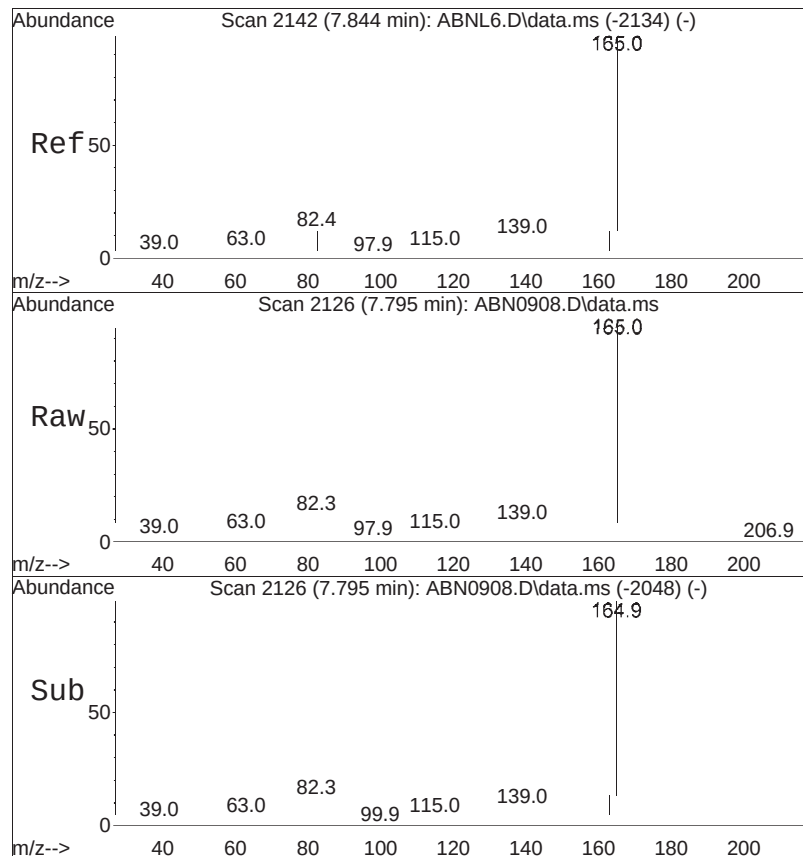
Delta R.T. -0.006 min

Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am

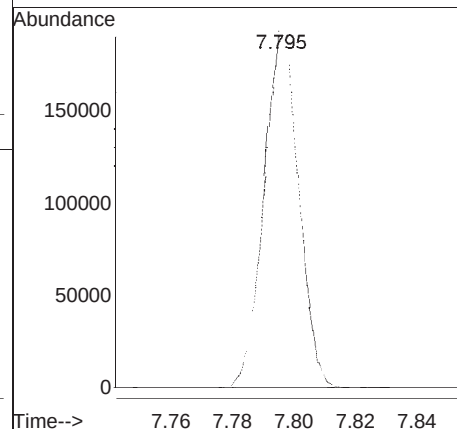
Tgt Ion:	149	Resp:	153062
Ion Ratio	Lower	Upper	
149	100		
177	19.6	16.1	24.1
150	11.9	9.4	14.2

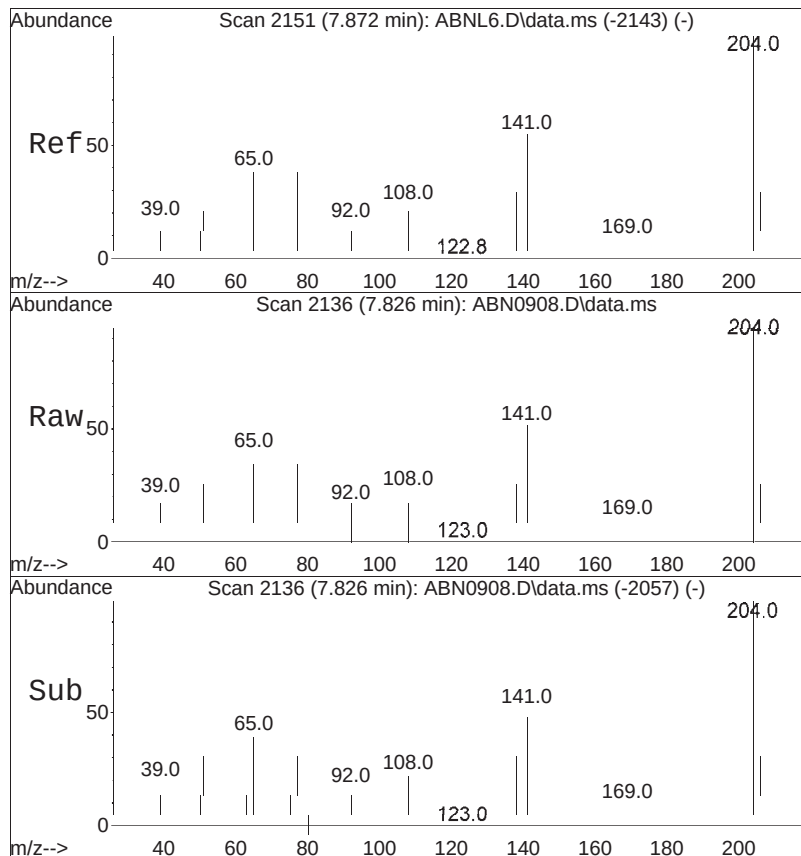




#73
 Fluorene
 Concen: 4.67 ug/ml
 RT: 7.795 min Scan# 2126
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

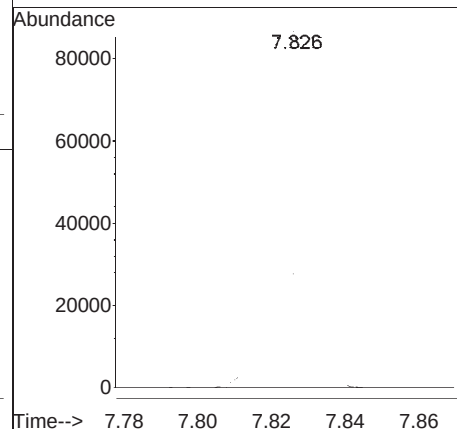
Tgt	Ion:166	Resp:	149489
Ion	Ratio	Lower	Upper
166	100		
165	102.4	76.2	114.2
167	13.4	10.6	15.8

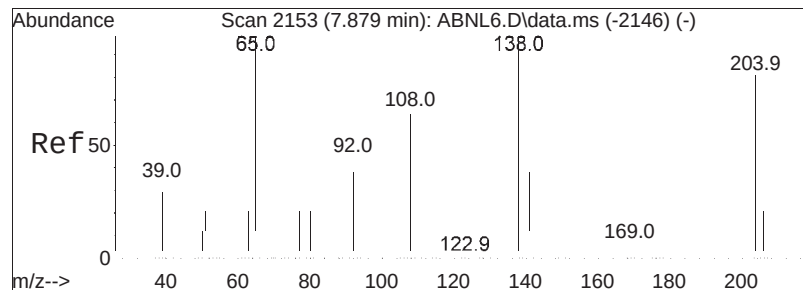




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.59 ug/ml
 RT: 7.826 min Scan# 2136
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

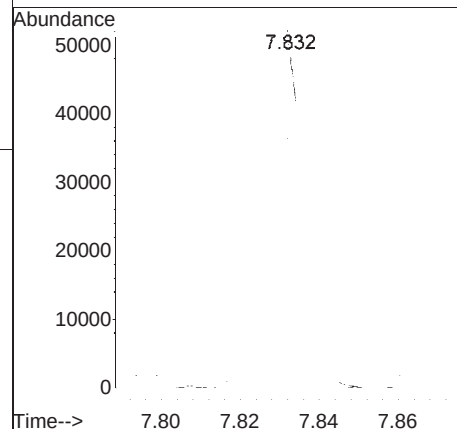
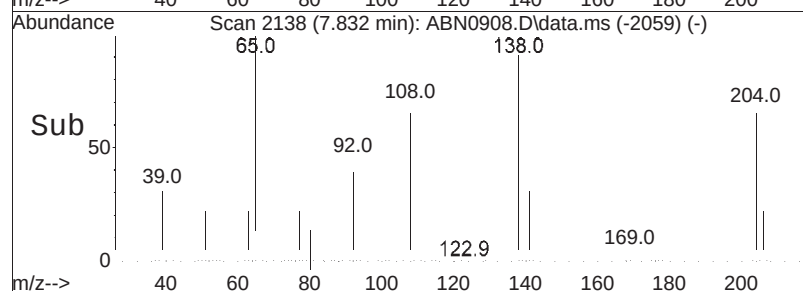
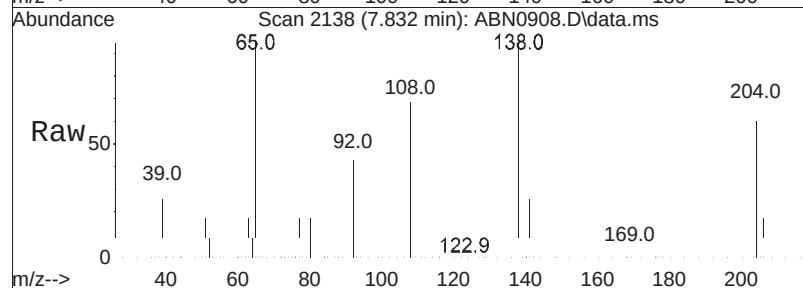
Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.6
141	55.5	53.6	80.4

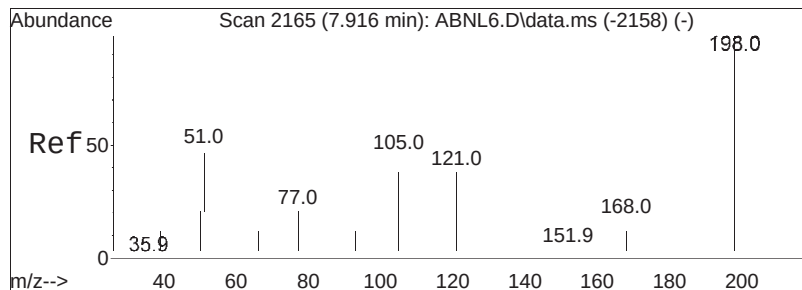




#75
 4-Nitroaniline
 Concen: 5.08 ug/ml
 RT: 7.832 min Scan# 2138
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

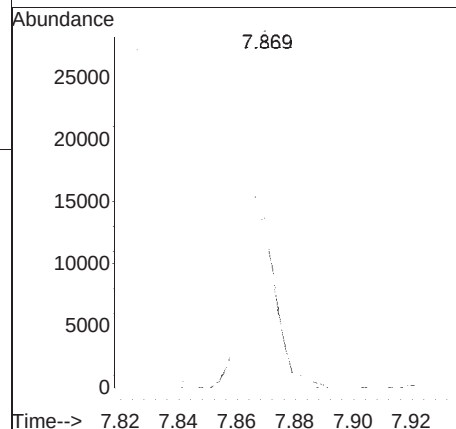
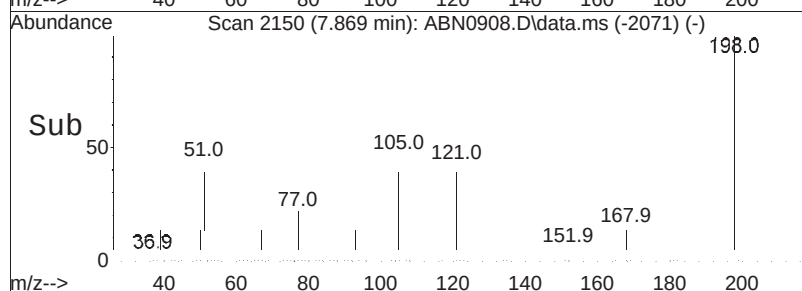
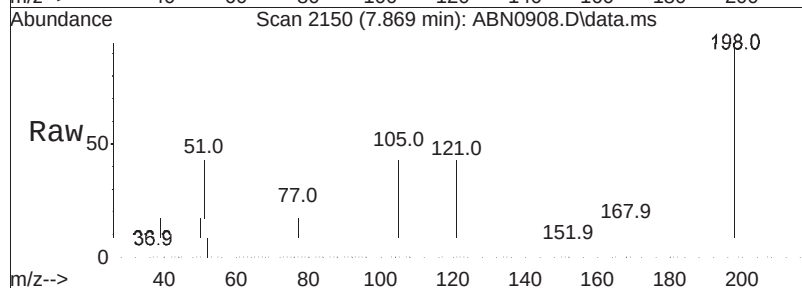
Tgt Ion	Ratio	Lower	Upper
138	100		
108	68.1	52.1	78.1
65	109.8	115.0	172.6#

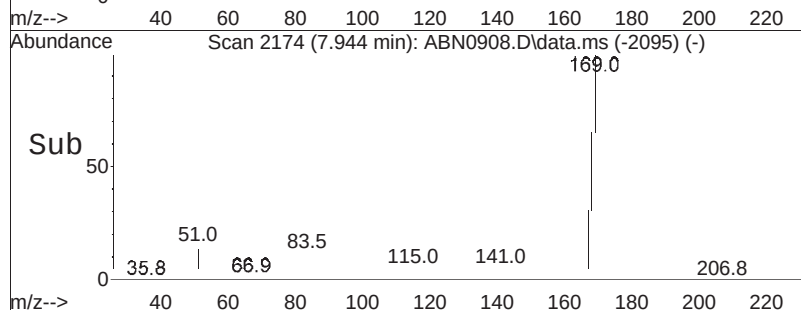
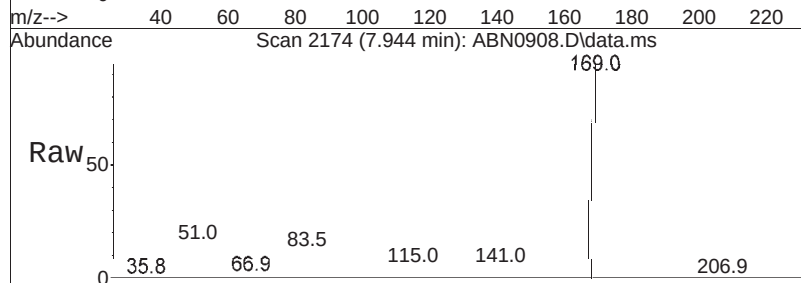
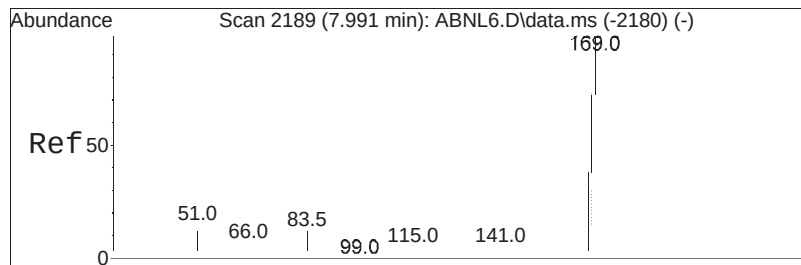




#76
 4,6-Dinitro-o-cresol
 Concen: 4.82 ug/ml
 RT: 7.869 min Scan# 2150
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt Ion	Ratio	Lower	Upper
198	100		
51	51.0	76.0	114.0#
105	46.2	45.6	68.4





#77

NDPA/DPA

Concen: 4.74 ug/ml

RT: 7.944 min Scan# 2174

Delta R.T. -0.003 min

Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am

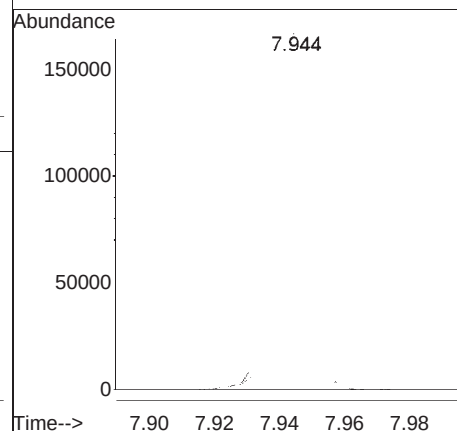
Tgt Ion:169 Resp: 126872

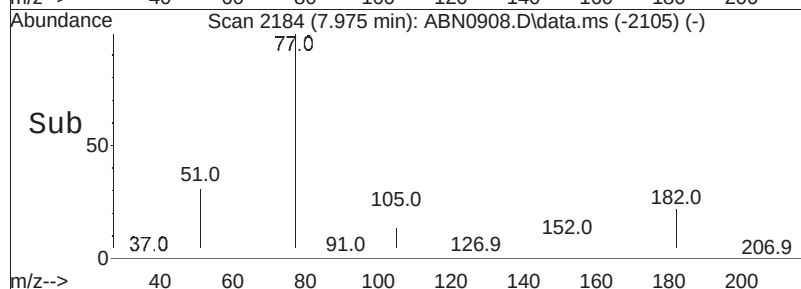
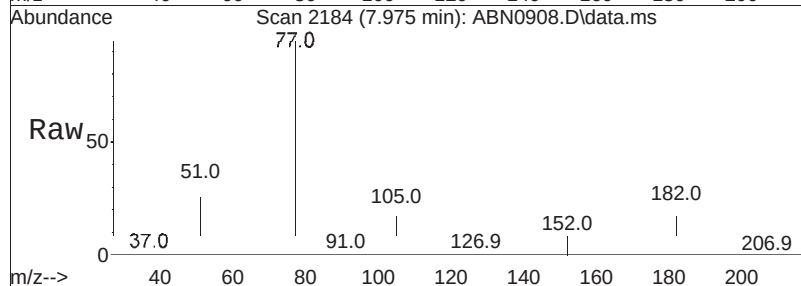
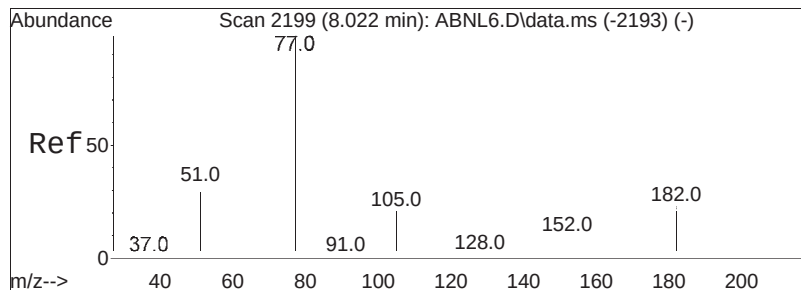
Ion Ratio Lower Upper

169 100

168 72.1 54.0 81.0

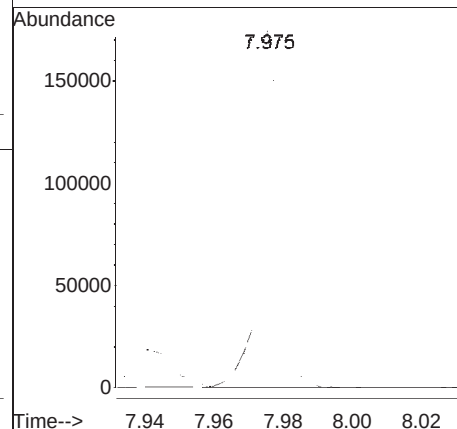
167 39.5 28.6 42.8

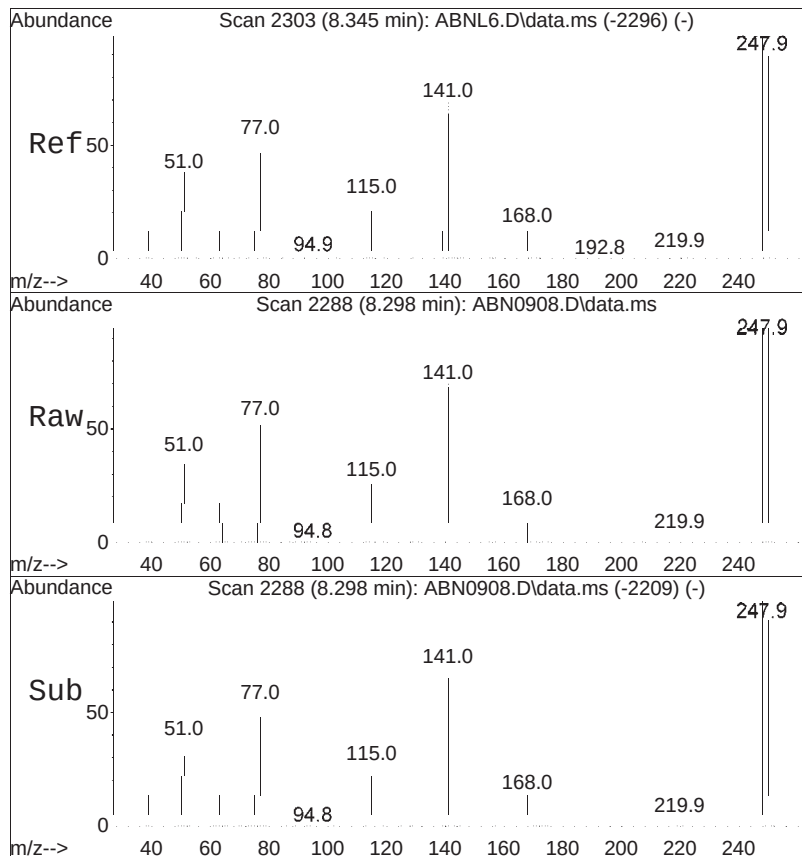




#78
 Azobenzene
 Concen: 4.79 ug/ml
 RT: 7.975 min Scan# 2184
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

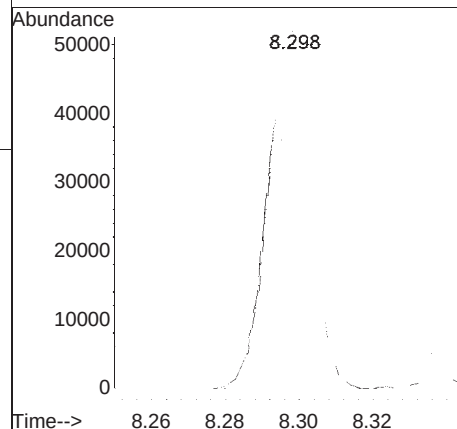
Tgt Ion:	77	182	105	Ion Ratio	100	22.9	21.6	Resp:	134977	Lower	Upper
77	100										
182		22.9							17.4	26.2	
105			21.6						15.4	23.2	

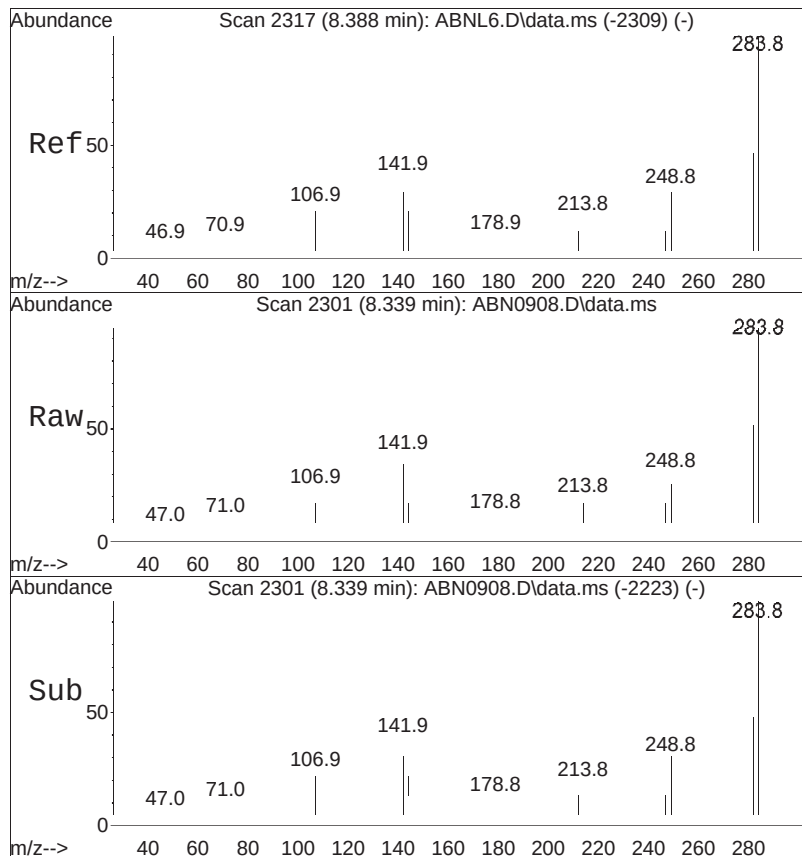




#80
 4-Bromophenyl phenyl ether
 Concen: 4.41 ug/ml
 RT: 8.298 min Scan# 2288
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

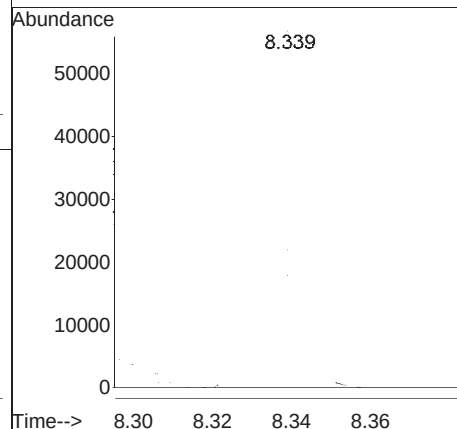
Tgt Ion:	248	Resp:	41478
Ion Ratio	Lower	Upper	
248	100		
141	70.0	76.6	114.8#
250	95.6	77.3	115.9

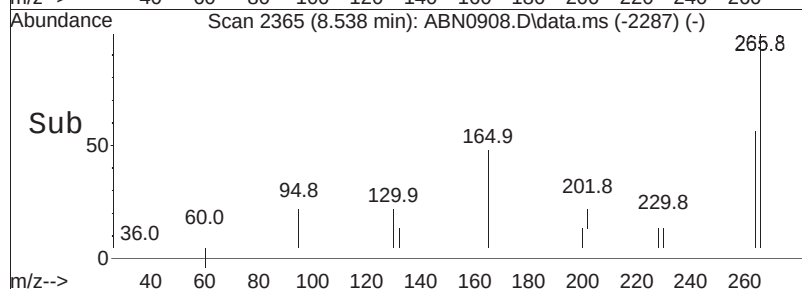
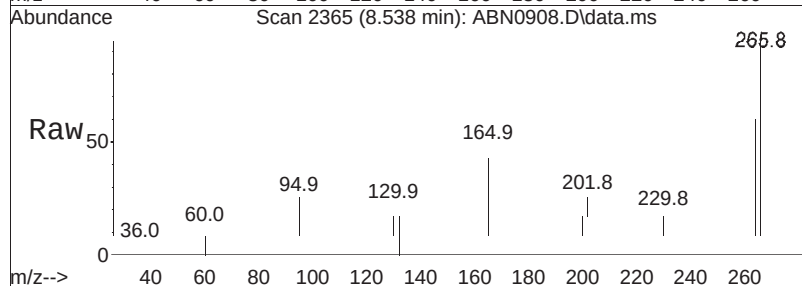
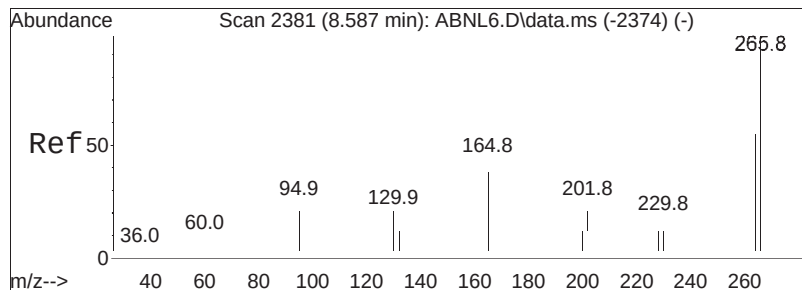




#81
 Hexachlorobenzene
 Concen: 4.41 ug/ml
 RT: 8.339 min Scan# 2301
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

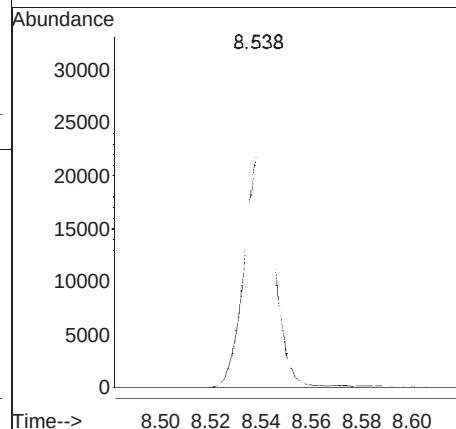
Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.1	41.9	62.9#
249	31.1	24.1	36.1

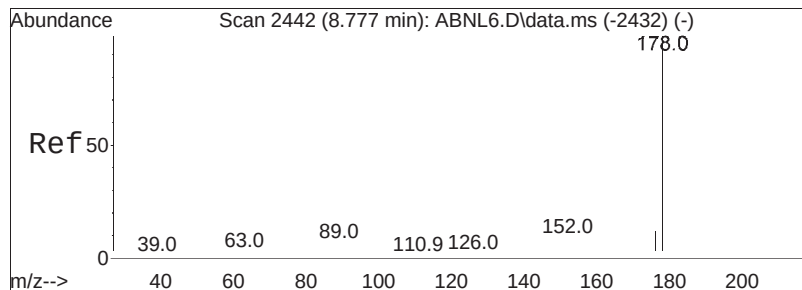




#82
 Pentachlorophenol
 Concen: 4.59 ug/ml
 RT: 8.538 min Scan# 2365
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

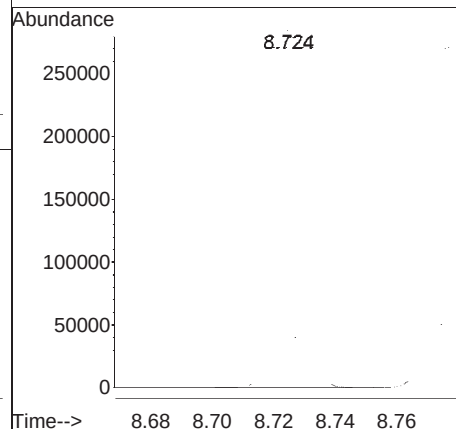
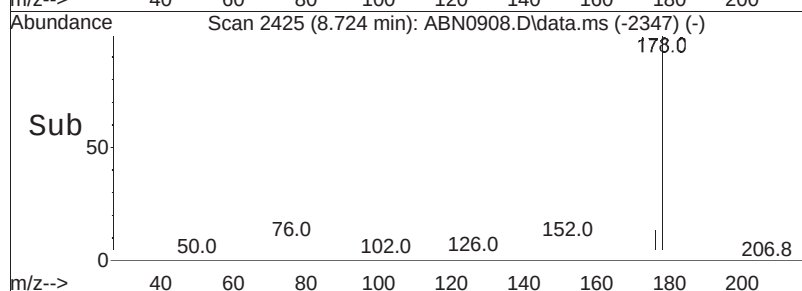
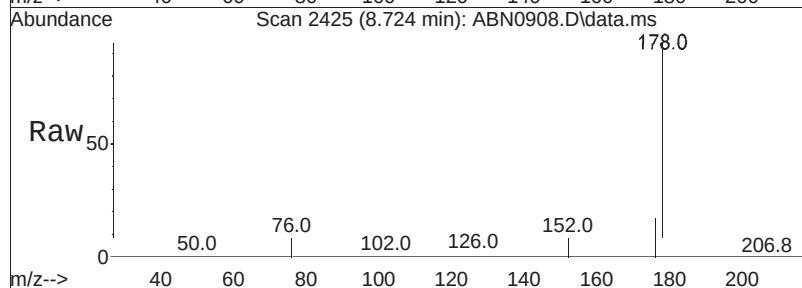
Tgt Ion:	266	Resp:	28407
Ion Ratio	Lower	Upper	
266	100		
264	63.0	49.7	74.5
268	64.0	50.5	75.7

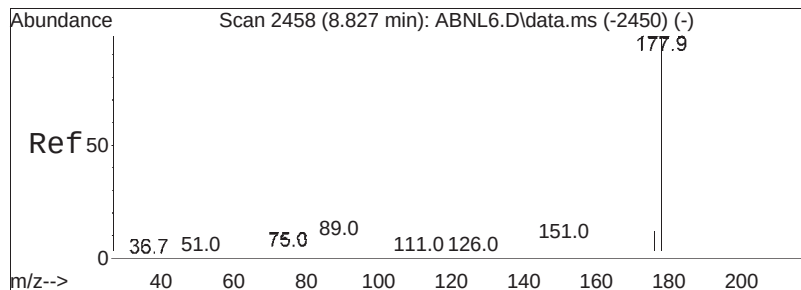




#89
 Phenanthrene
 Concen: 4.59 ug/ml
 RT: 8.724 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

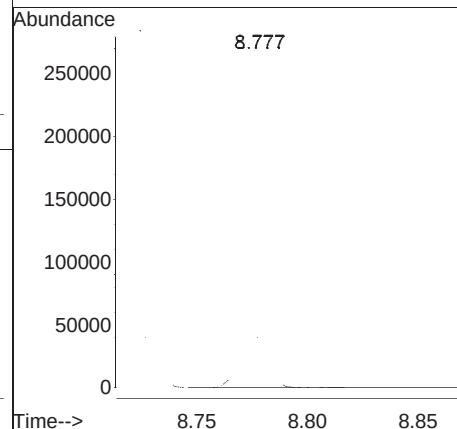
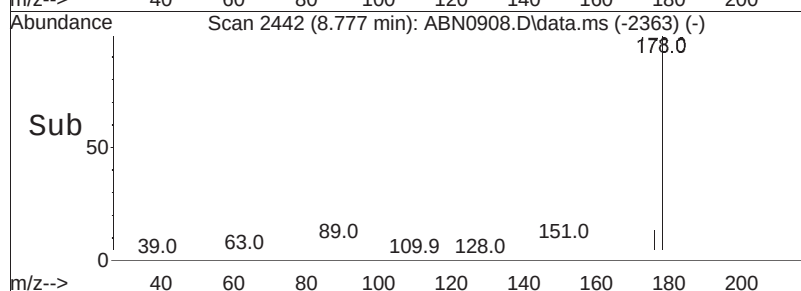
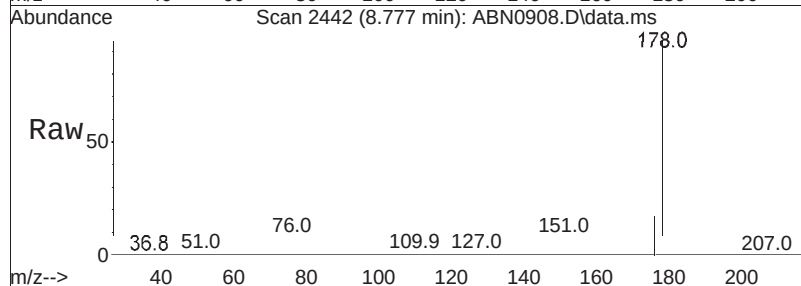
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	19.2	15.4	23.2

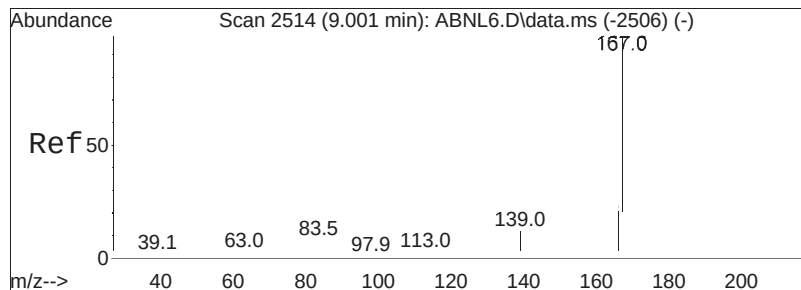




#90
 Anthracene
 Concen: 4.71 ug/ml
 RT: 8.777 min Scan# 2442
 Delta R.T. -0.003 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

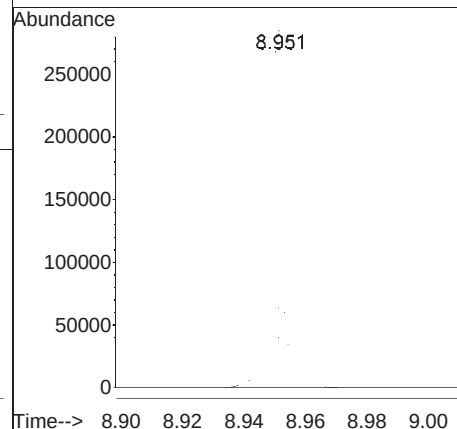
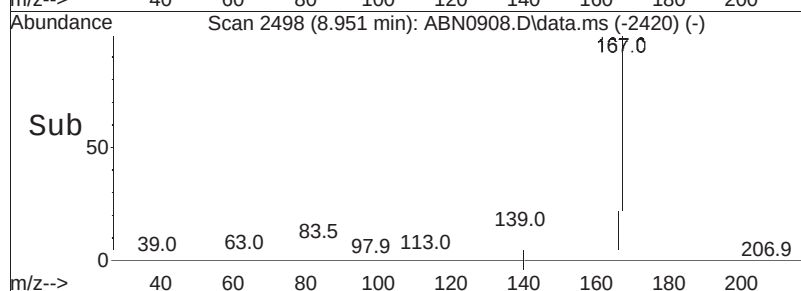
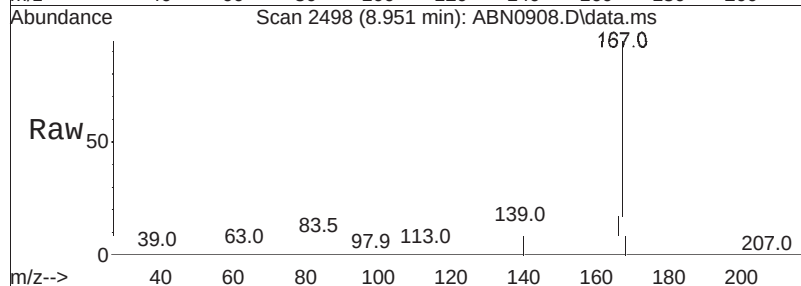
Tgt Ion:	178	Resp:	231914
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.0	18.0
176	18.6	14.6	22.0

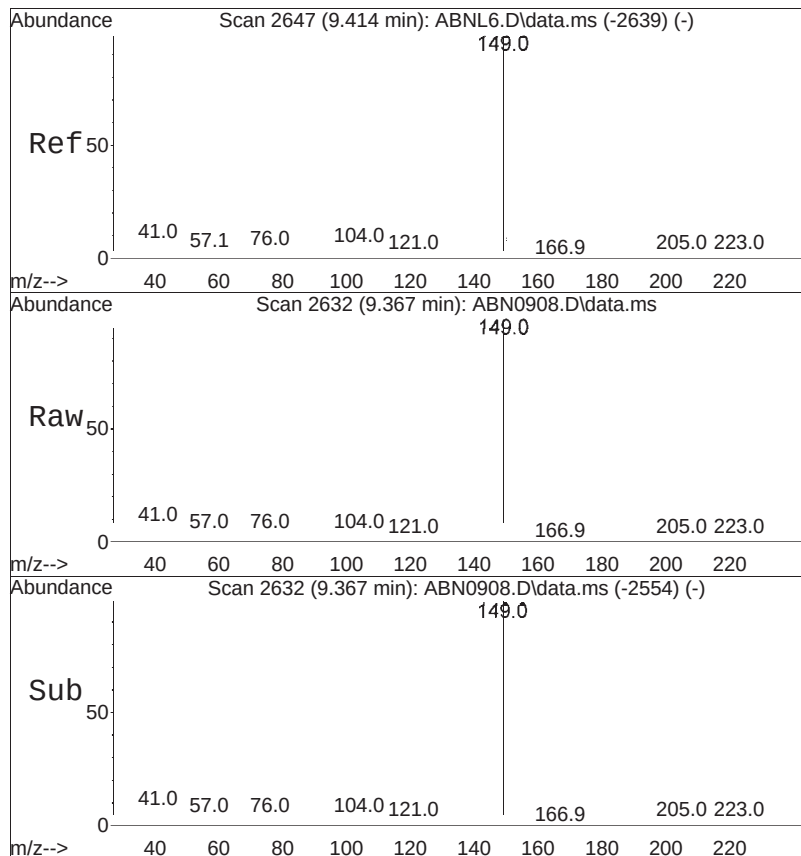




#91
 Carbazole
 Concen: 4.93 ug/ml
 RT: 8.951 min Scan# 2498
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

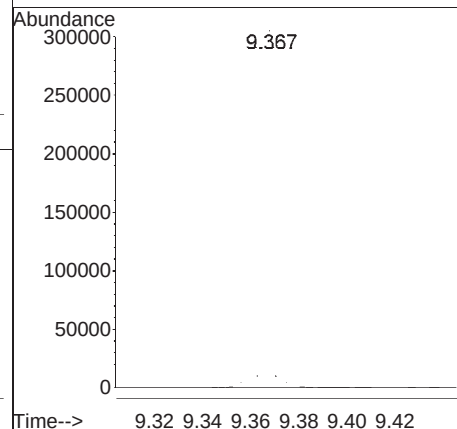
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.6	15.8
166	22.5	17.4	26.0

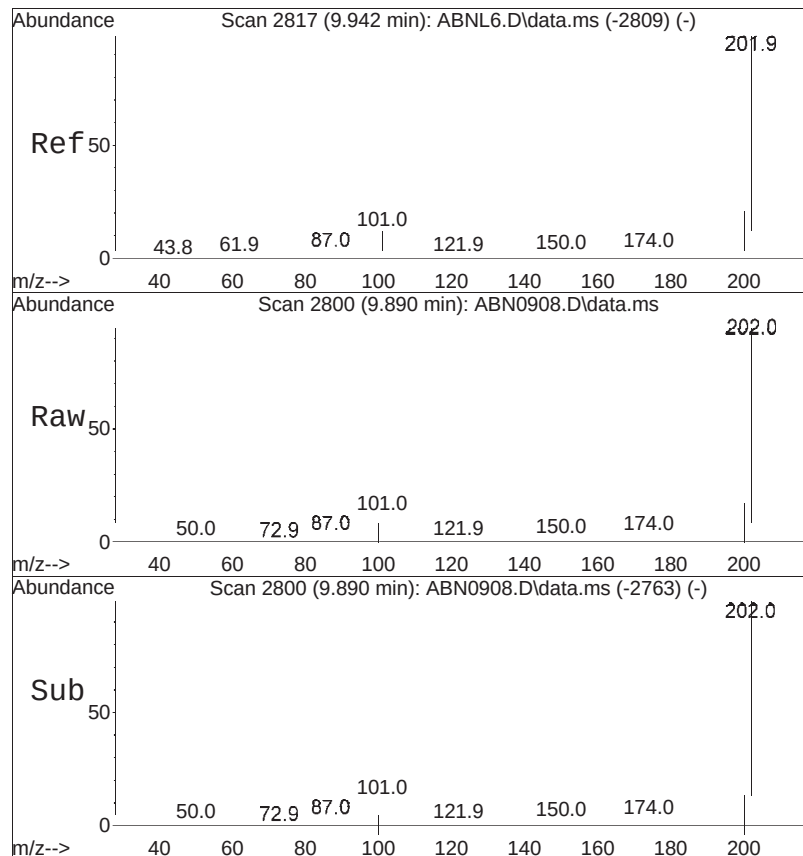




#92
 Di-n-butylphthalate
 Concen: 4.74 ug/ml
 RT: 9.367 min Scan# 2632
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

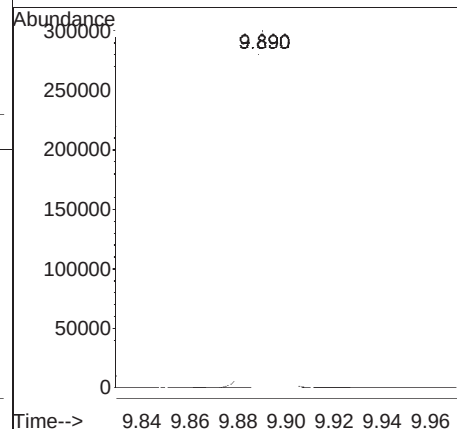
Tgt Ion	Ratio	Resp: Lower	Upper
149	100		
150	8.9	7.0	10.6
104	4.4	4.5	6.7#

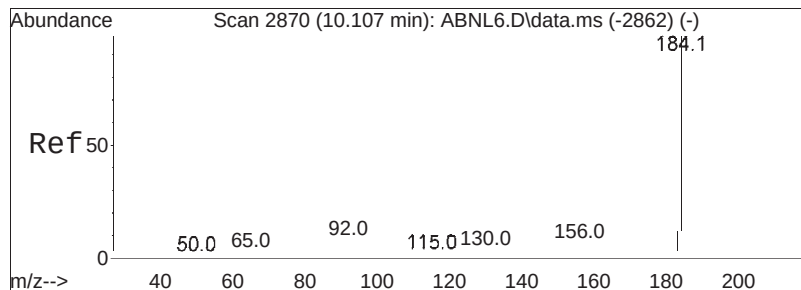




#93
 Fluoranthene
 Concen: 4.69 ug/ml
 RT: 9.890 min Scan# 2800
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt Ion:	202	Resp:	254306
Ion Ratio	Lower	Upper	
202	100		
101	12.6	13.5	20.3#
203	17.0	13.6	20.4





#94

Benzidine

Concen: 4.56 ug/ml

RT: 10.057 min Scan# 2854

Delta R.T. -0.006 min

Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am

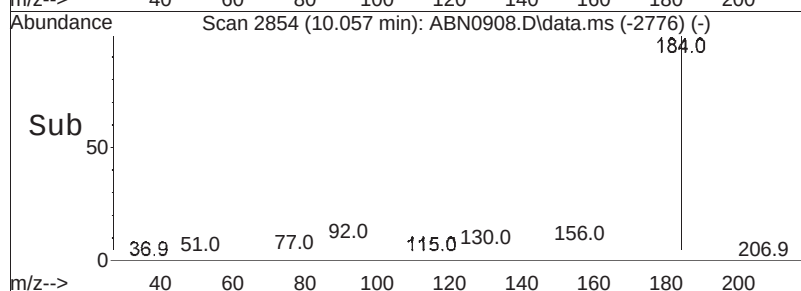
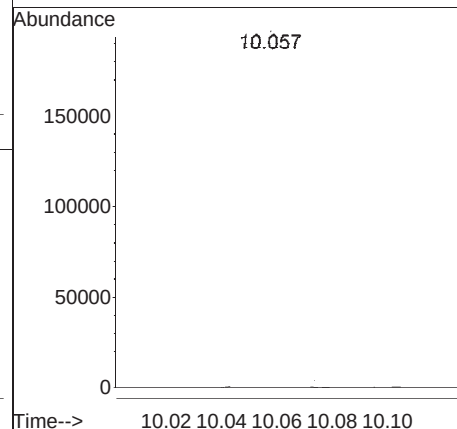
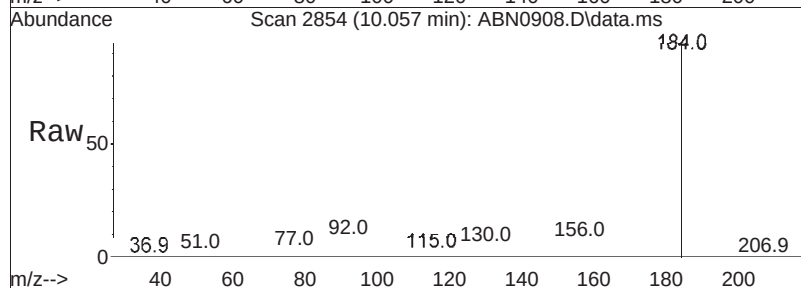
Tgt Ion:184 Resp: 158641

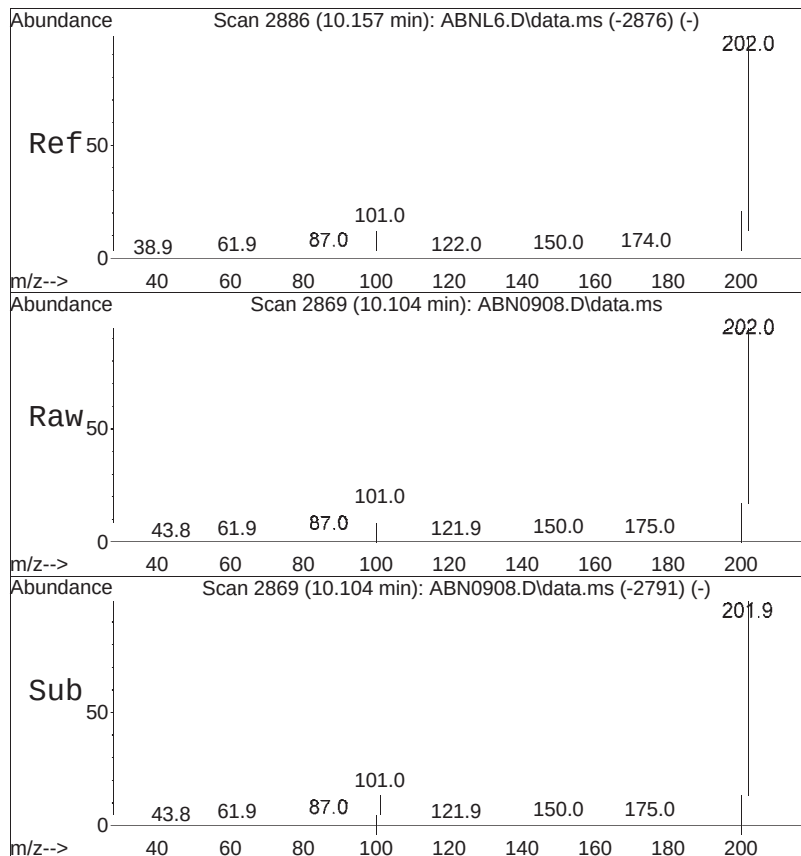
Ion Ratio Lower Upper

184 100

92 7.9 9.1 13.7#

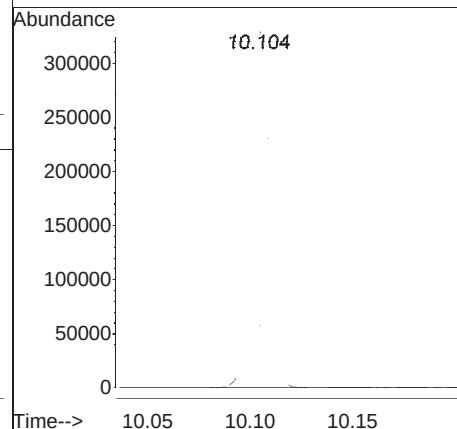
185 14.3 11.1 16.7

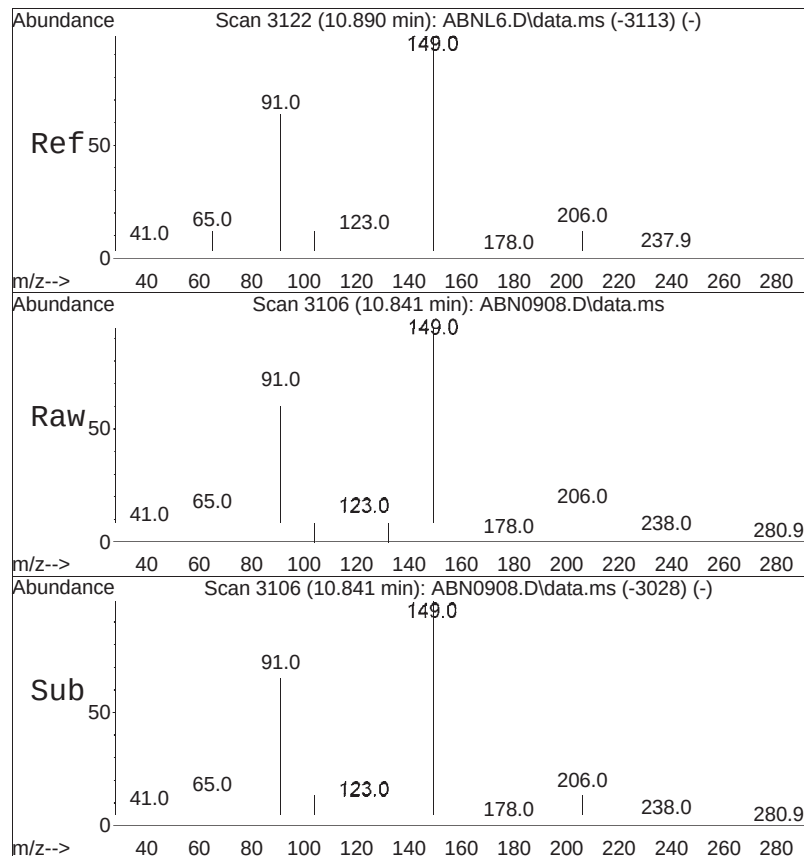




#95
 Pyrene
 Concen: 4.69 ug/ml
 RT: 10.104 min Scan# 2869
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

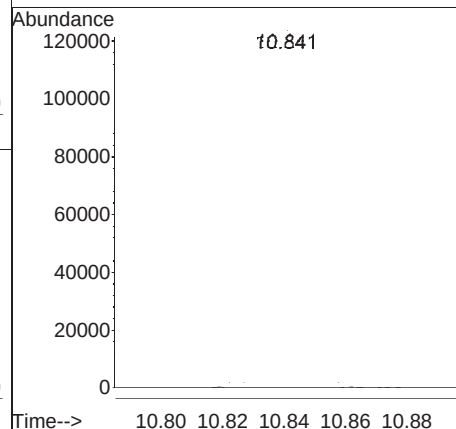
Tgt Ion:	202	Resp:	270942
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.7	25.1
203	17.6	14.2	21.4

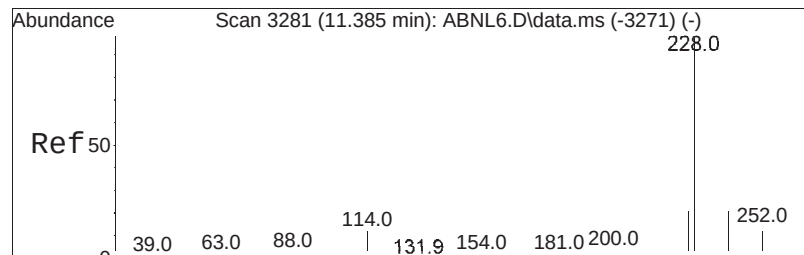




#97
 Butyl benzyl phthalate
 Concen: 4.95 ug/ml
 RT: 10.841 min Scan# 3106
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt Ion:	149	Resp:	109410
Ion Ratio	Lower	Upper	
149	100		
91	66.6	63.3	94.9
206	15.1	13.9	20.9





#105

Benzo(a)anthracene

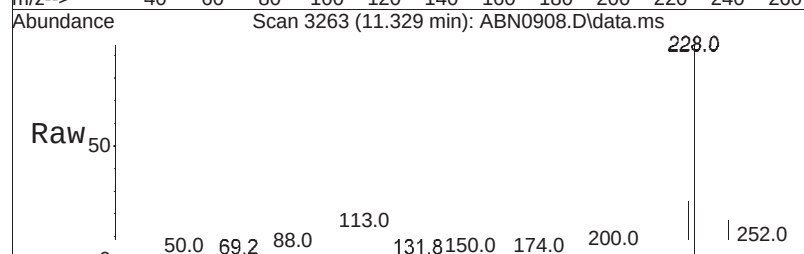
Concen: 4.75 ug/ml

RT: 11.329 min Scan# 3263

Delta R.T. -0.006 min

Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am



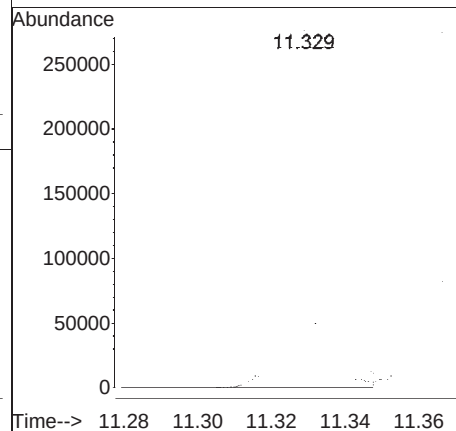
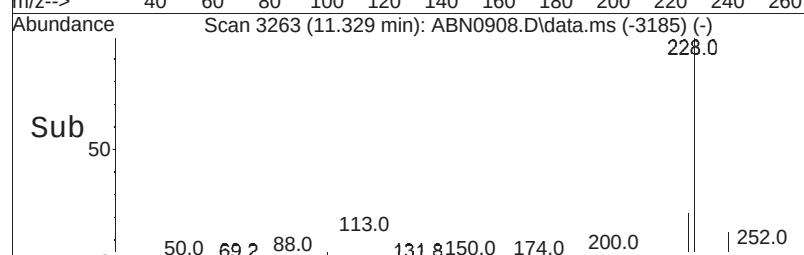
Tgt Ion: 228 Resp: 269745

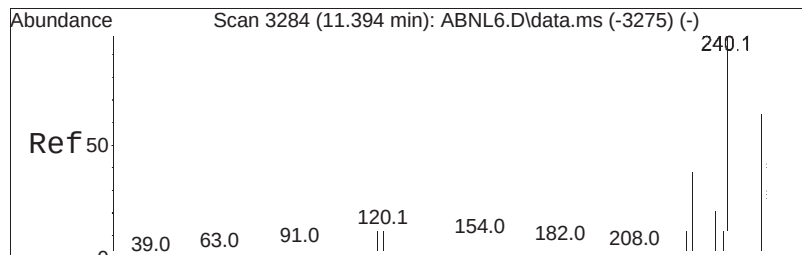
Ion Ratio Lower Upper

228 100

226 28.2 22.2 33.4

229 19.6 15.6 23.4





#106

3,3'-Dichlorobenzidine

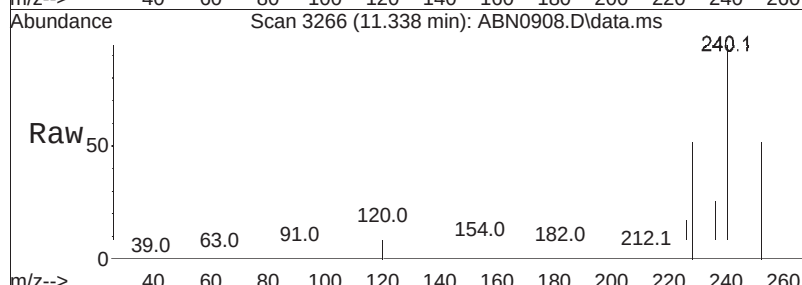
Concen: 4.89 ug/ml

RT: 11.338 min Scan# 3266

Delta R.T. -0.009 min

Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am



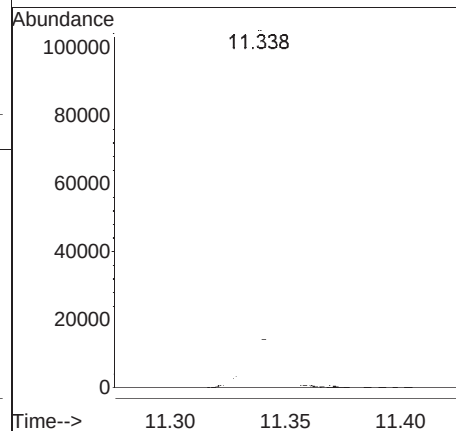
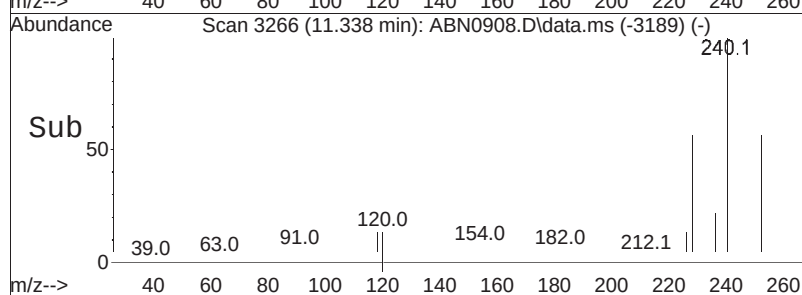
Tgt Ion: 252 Resp: 95462

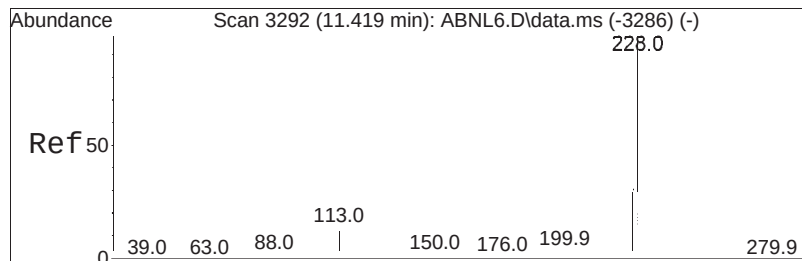
Ion Ratio Lower Upper

252 100

126 14.9 14.5 21.7

254 63.3 51.2 76.8





#107

Chrysene

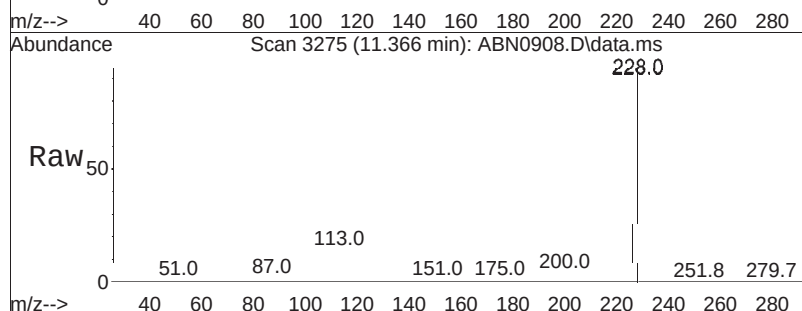
Concen: 4.58 ug/ml

RT: 11.366 min Scan# 3275

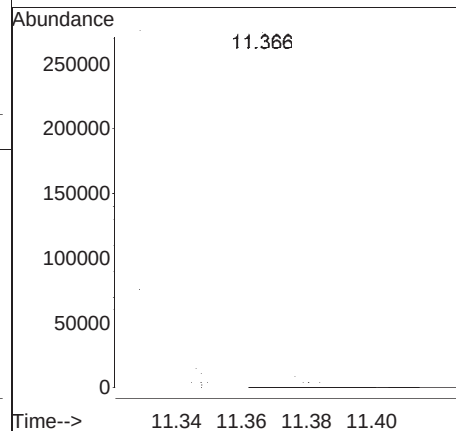
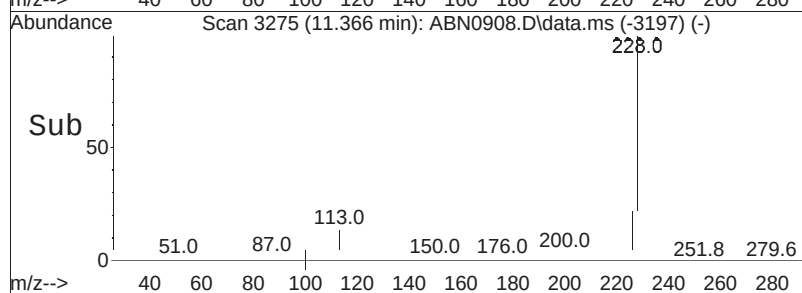
Delta R.T. -0.006 min

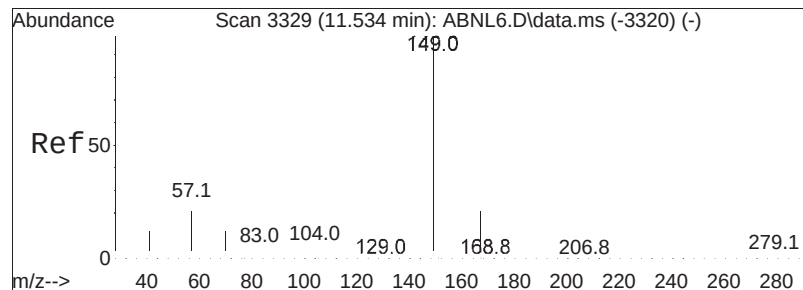
Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am



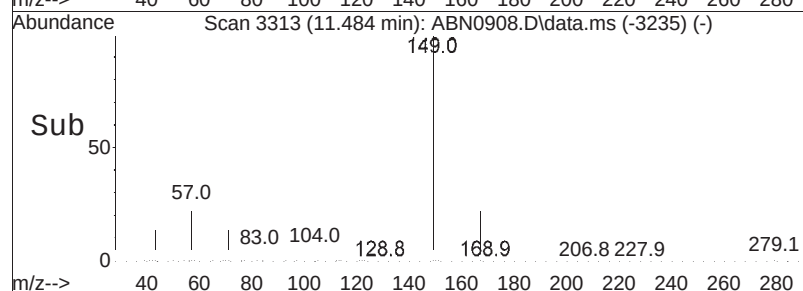
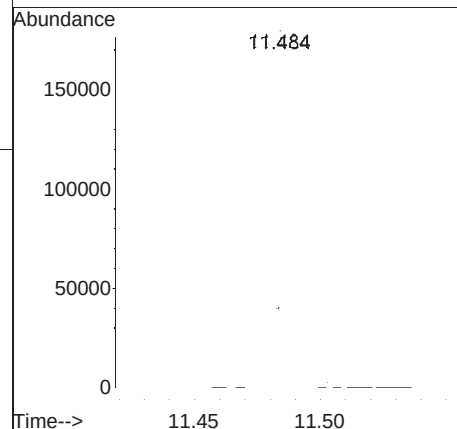
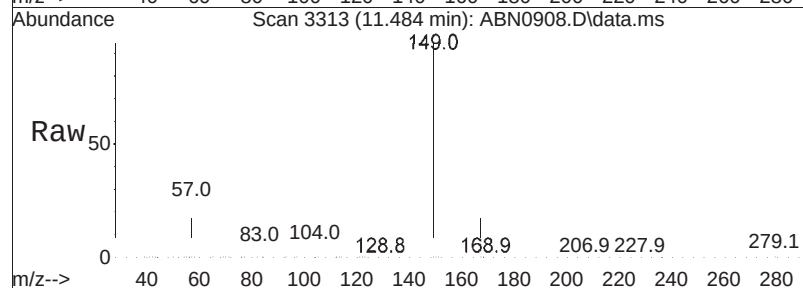
Tgt Ion:	228	Resp:	257654
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.0	36.0
229	19.6	15.8	23.8

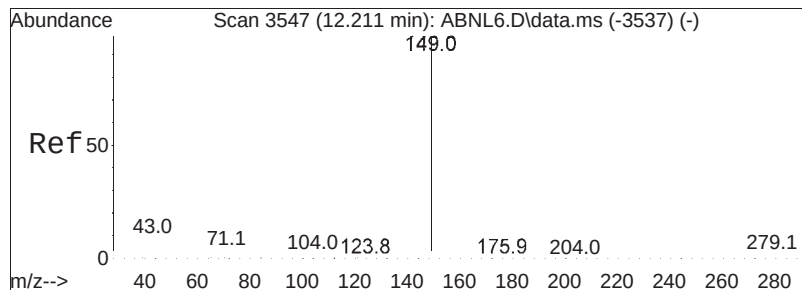




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.85 ug/ml
 RT: 11.484 min Scan# 3313
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

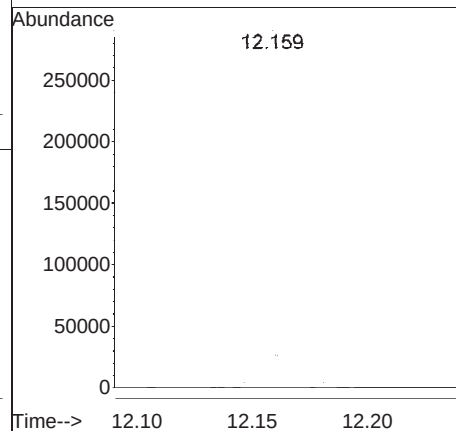
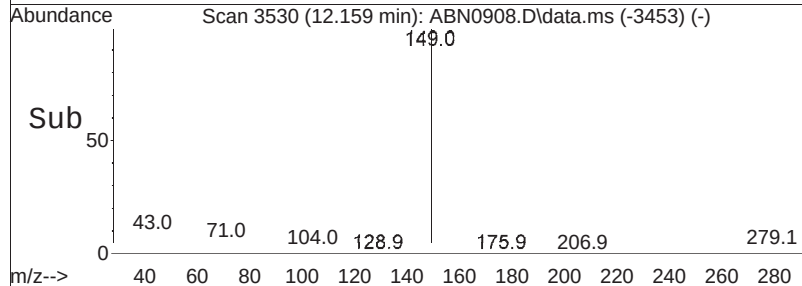
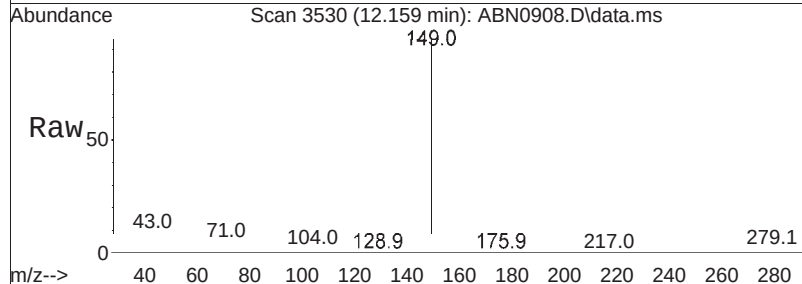
Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	22.6	22.1	33.1
279	2.1	3.0	4.4#

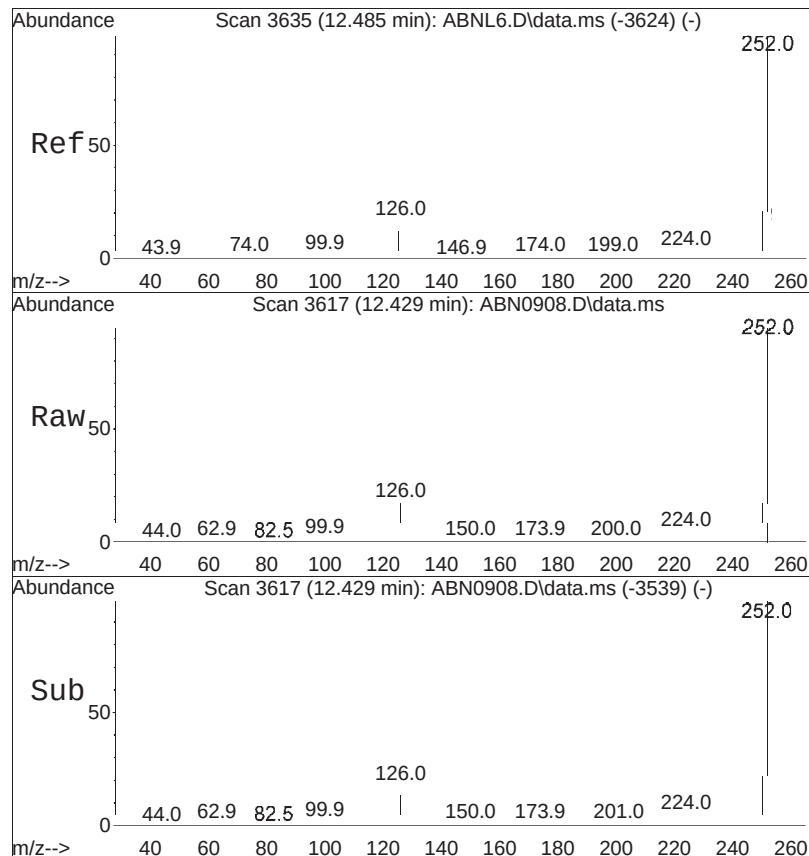




#109
 Di-n-octylphthalate
 Concen: 4.81 ug/ml
 RT: 12.159 min Scan# 3530
 Delta R.T. -0.009 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

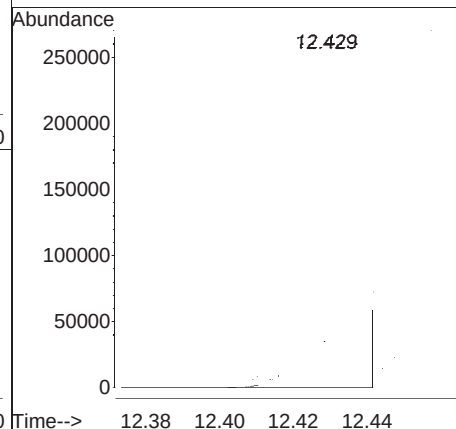
Tgt Ion	Ratio	Lower	Upper
149	100		
43	9.6	18.8	28.2#
167	1.4	1.3	1.9

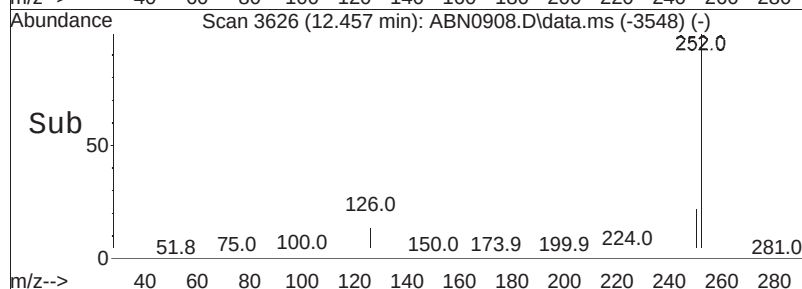
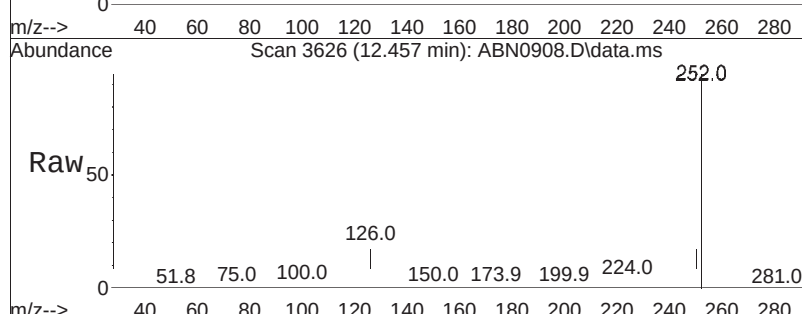
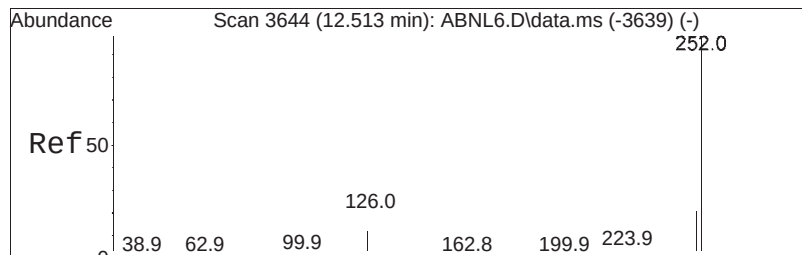




#110
 Benzo(b)fluoranthene
 Concen: 5.00 ug/ml
 RT: 12.429 min Scan# 3617
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		268748		
125	13.9	13.3	19.9		
253	22.2	17.1	25.7		





#111

Benzo(k)fluoranthene

Concen: 4.96 ug/ml

RT: 12.457 min Scan# 3626

Delta R.T. -0.006 min

Lab File: ABN0908.D

Acq: 8 Sep 2025 6:21 am

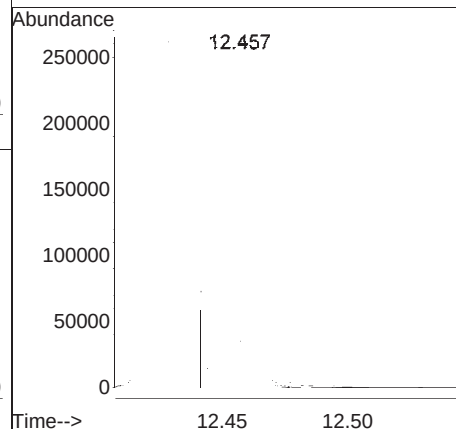
Tgt Ion: 252 Resp: 271745

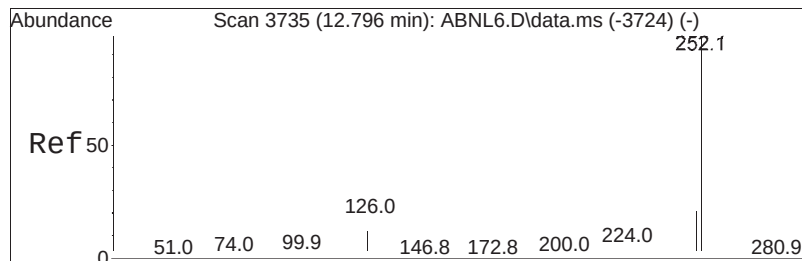
Ion Ratio Lower Upper

252 100

125 14.1 13.0 19.6

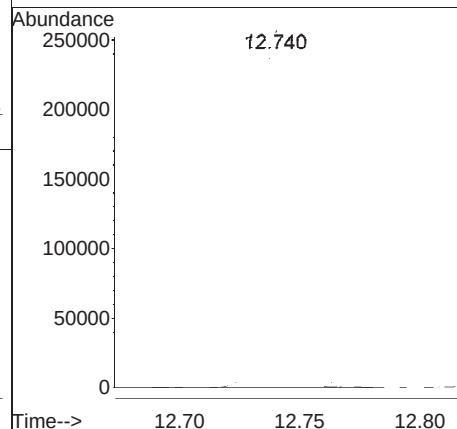
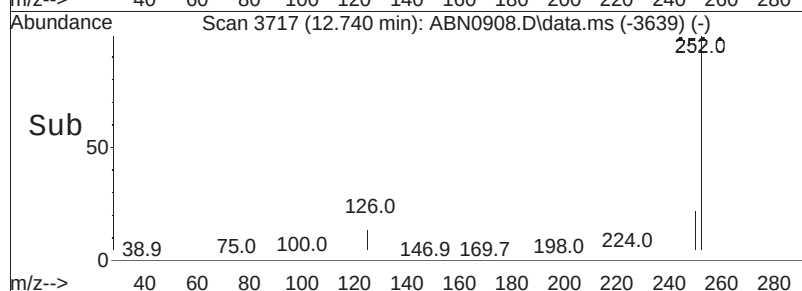
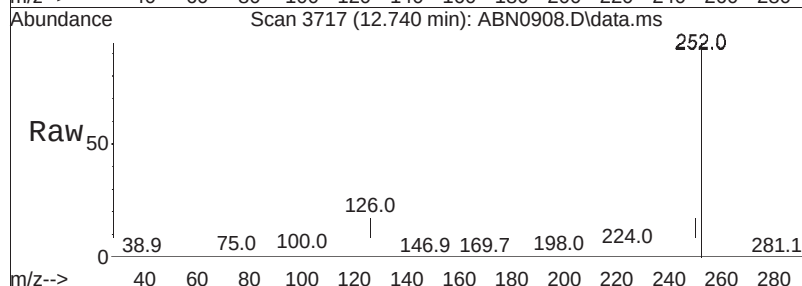
253 21.9 16.8 25.2

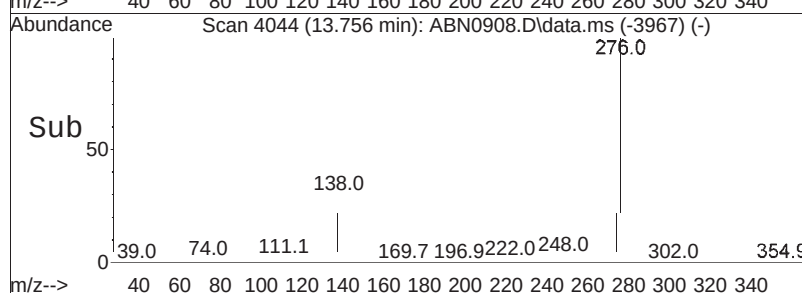
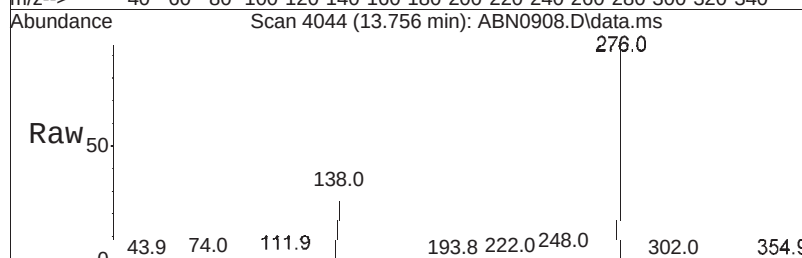
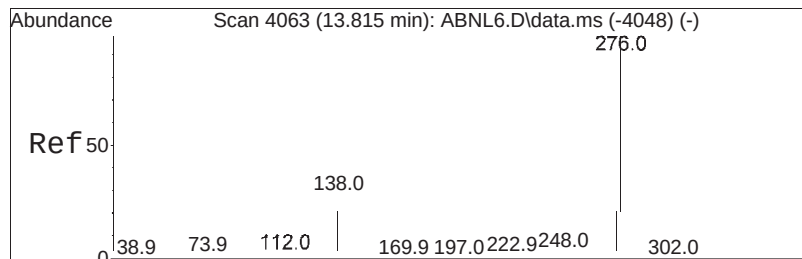




#112
 Benzo(a)pyrene
 Concen: 5.08 ug/ml
 RT: 12.740 min Scan# 3717
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

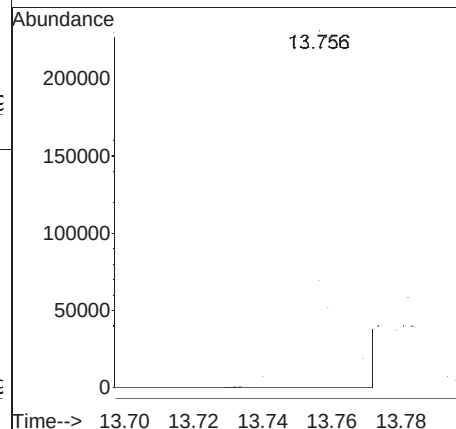
Tgt Ion:	252	Resp:	256213
Ion Ratio	Lower	Upper	
252	100		
125	15.5	14.2	21.2
253	22.2	16.9	25.3

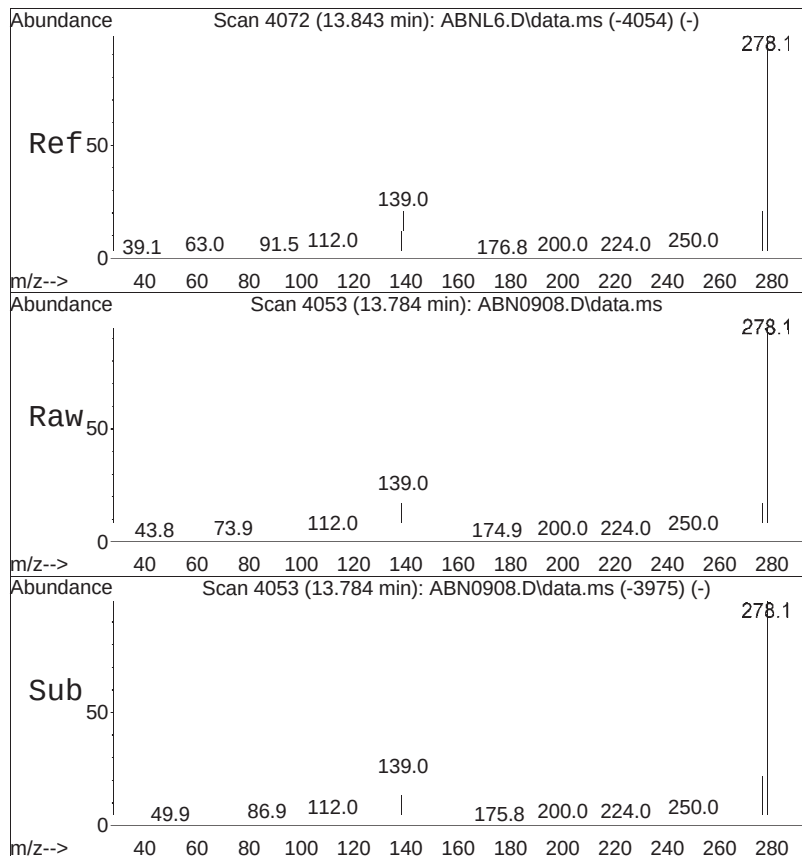




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 4.79 ug/mL
 RT: 13.756 min Scan# 4044
 Delta R.T. -0.009 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

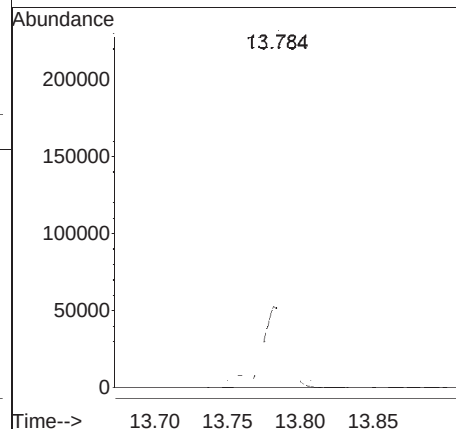
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.1	37.7
277	24.3	18.6	28.0

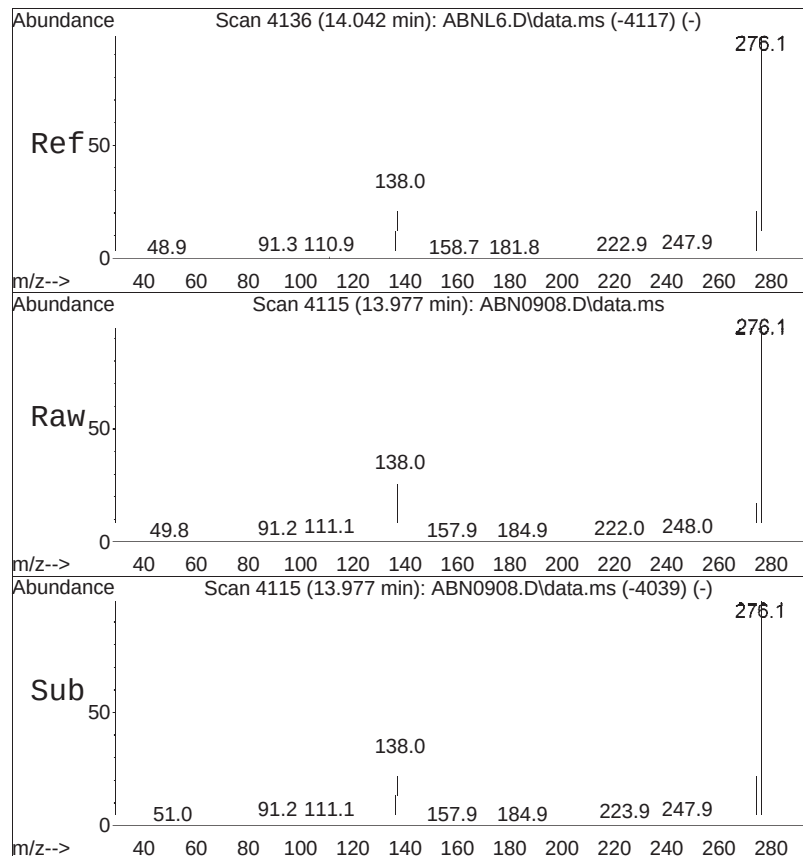




#115
 Dibenzo(a,h)anthracene
 Concen: 4.83 ug/ml
 RT: 13.784 min Scan# 4053
 Delta R.T. -0.006 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

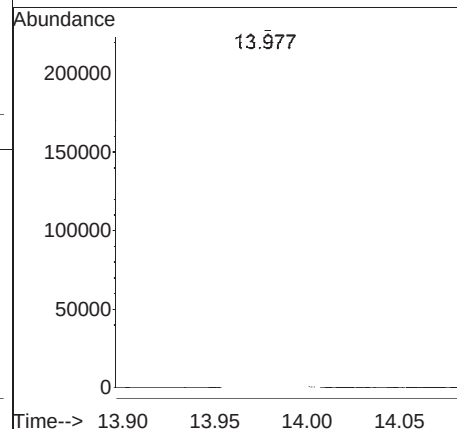
Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	20.8	31.2
279	22.4	18.3	27.5





#116
 Benzo(ghi)perylene
 Concen: 4.83 ug/ml
 RT: 13.977 min Scan# 4115
 Delta R.T. -0.012 min
 Lab File: ABN0908.D
 Acq: 8 Sep 2025 6:21 am

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.1	29.2	43.8
277	24.0	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\SV106\250908RVT\	QMethod	: FS250827SV106.m
Data File	: ABN0908.D	Operator	: SV106:HNY
Date Inj'd	: 9/8/2025 6:21 am	Instrument	: SV 106
Sample	: wg2111831-3,32,,ABN 11964	Quant Date	

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250908RVT\
 Data File : AP90908.D
 Acq On : 8 Sep 2025 6:43 am
 Operator : SV106:HNY
 Sample : wg2111831-4,32,,AP9 11965 cmm0831A
 Misc : wg2111831,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 08 06:59:55 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	129	0.00
28 T	Benzaldehyde	0.645	0.798	-23.7#	163	0.00
29 T	Acetophenone	1.905	1.787	6.2	123	0.00
30 T	m-Toluidine	1.123	1.398	-24.5#	149	0.00
31 T	2-Chloroaniline	1.724	1.694	1.7	125	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	129	0.00
56 T	a-Terpineol	0.267	0.255	4.5	124	0.00
57 T	3-Chloroaniline	0.114	0.119	-4.4	125	0.00
58 T	2,6-Dichlorophenol	0.285	0.293	-2.8	131	0.00
59 T	1-chloro-2-nitrobenzene	0.135	0.136	-0.7	129	0.00
60 T	Caprolactam	0.142	0.148	-4.2	129	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.373	0.335	10.2	119	0.00
62 T	Biphenyl	0.931	0.841	9.7	120	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	128	0.00
84 T	Dichloran	0.158	0.155	1.9	123	0.00
85 T	Pentachloronitrobenzene	0.154	0.147	4.5	114	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	126	0.00
99 T	Diphenamid	0.487	0.464	4.7	113	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : AP90908.D
 Acq On : 8 Sep 2025 6:43 am
 Operator : SV106:HNY
 Sample : wg2111831-4,32,,AP9 11965 cmm0831A
 Misc : wg2111831,,ical22591
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 08 06:59:55 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.255	152	39953	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	5.526	136	158242	4.000	ug/ml	# 0.00
83) IS2_Acenaphthene-d10	7.257	164	90220	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	8.702	188	178852	4.000	ug/ml	# 0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.801	105	39863	6.188	ug/ml	88
29) Acetophenone	4.677	105	89225	4.690	ug/ml#	80
30) m-Toluidine	4.764	106	69839	6.228	ug/ml	95
31) 2-Chloroaniline	5.131	127	84606	4.915	ug/ml#	90
56) a-Terpineol	5.597	59	50491	4.779	ug/ml#	85
57) 3-Chloroaniline	5.610	65	23447	5.179	ug/ml	81
58) 2,6-Dichlorophenol	5.635	162	57993	5.140	ug/ml#	85
59) 1-chloro-2-nitrobenzene	5.893	111	26876	5.042	ug/ml#	1
60) Caprolactam	5.933	55	29315	5.227	ug/ml#	75
61) 1,2,4,5-Tetrachloroben...	6.412	216	66237	4.487	ug/ml	98
62) Biphenyl	6.713	154	166293	4.516	ug/ml	98
84) Dichloran	8.404	206	17472	4.892	ug/ml#	68
85) Pentachloronitrobenzene	8.553	237	16524	4.745	ug/ml#	87
99) Diphenamid	9.638	167	103647	4.762	ug/ml#	81

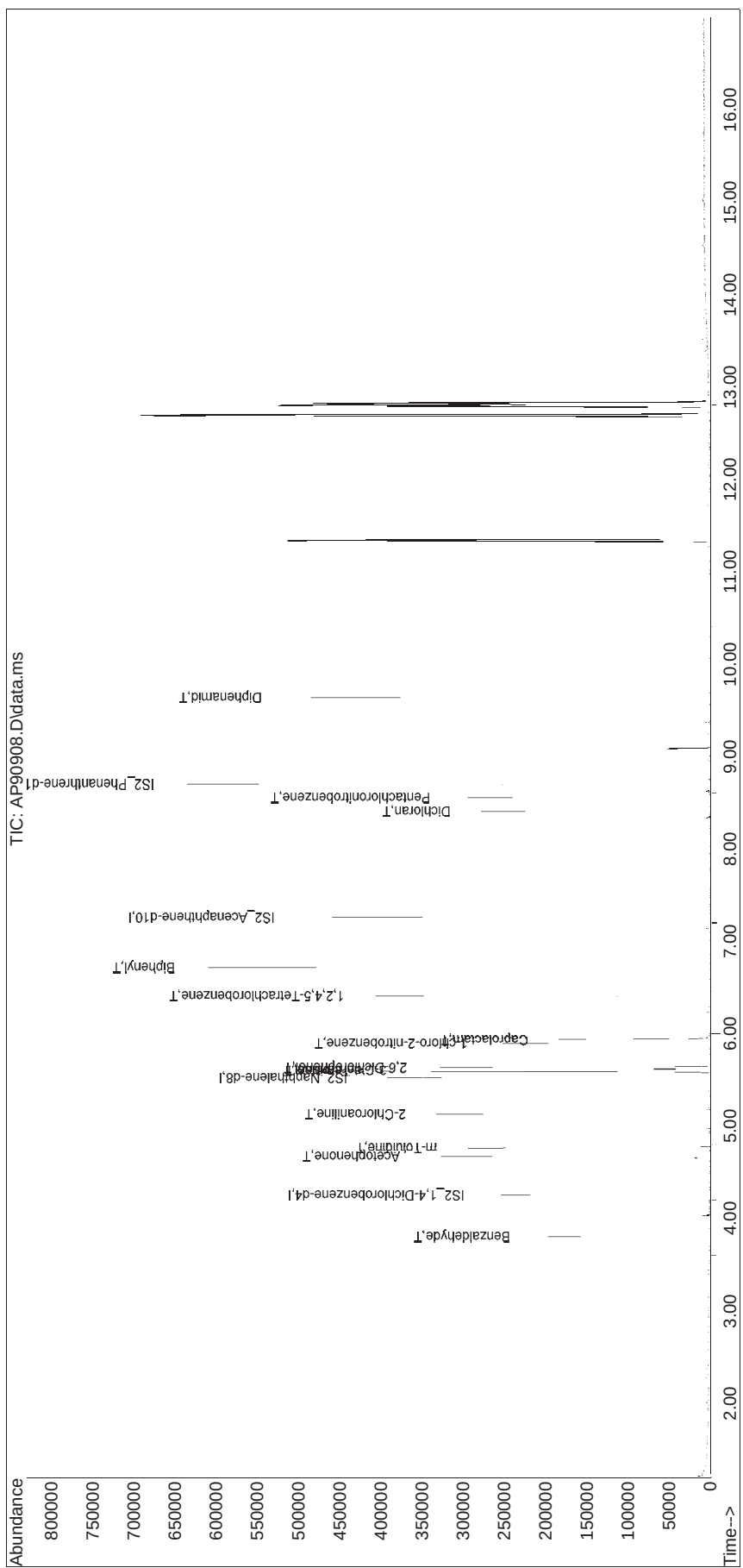
(#) = qualifier out of range (m) = manual integration (+) = signals summed

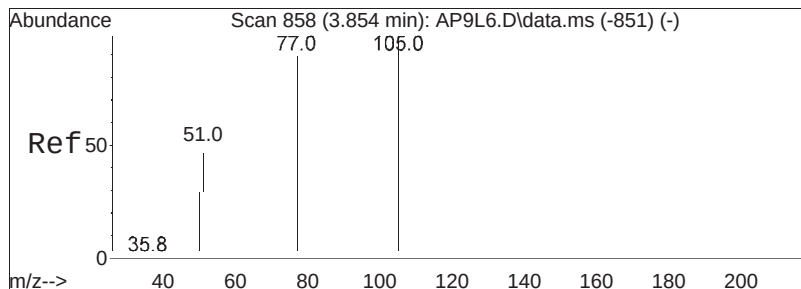
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
Data File : AP90908.D
Acq On : 8 Sep 2025 6:43 am
Operator : SV106:HNY
Sample : wg2111831-4,32,,AP9 11965 cmm0831A
Misc : wg2111831,,ical22591
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 08 06:59:55 2025
Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Sat Sep 06 08:56:15 2025
Response via : Initial Calibration

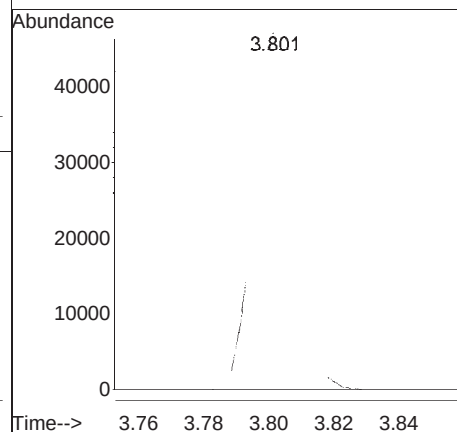
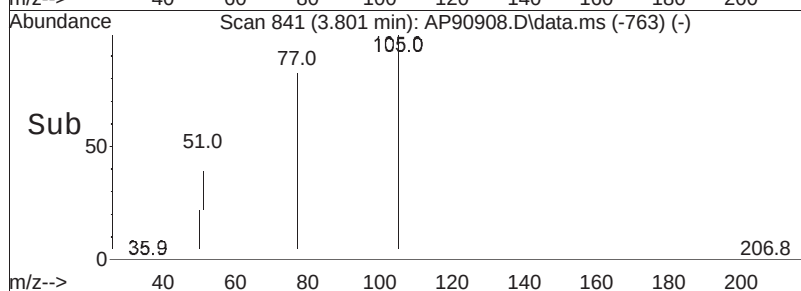
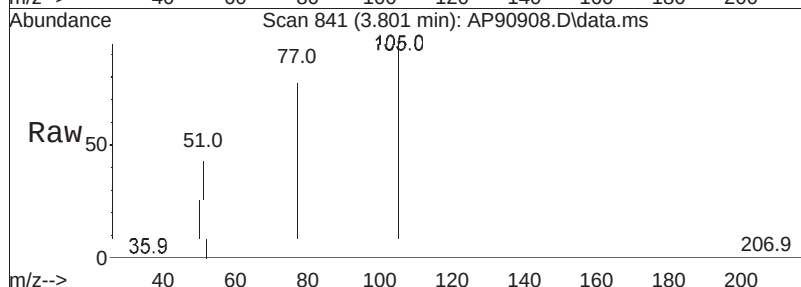
Sub List : AP9ical - AP9 ical sublist

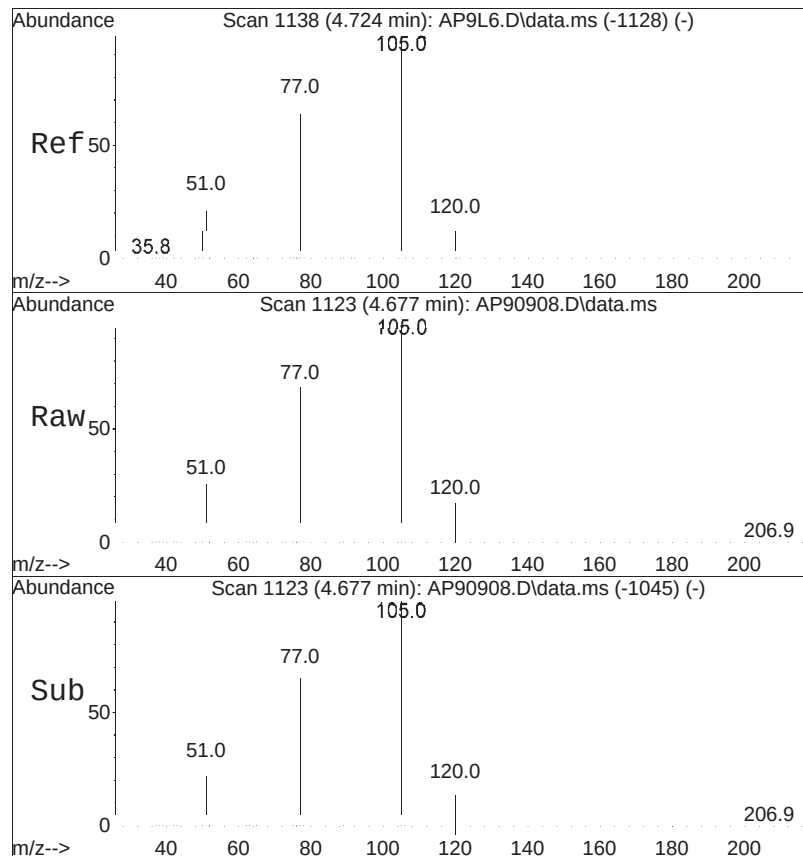




#28
Benzaldehyde
Concen: 6.19 ug/ml
RT: 3.801 min Scan# 841
Delta R.T. -0.006 min
Lab File: AP90908.D
Acq: 8 Sep 2025 6:43 am

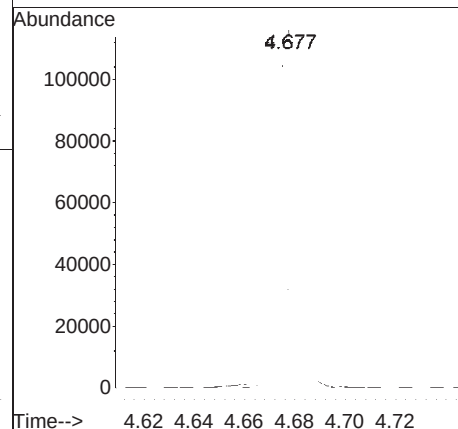
Tgt Ion:105 Resp: 39863
Ion Ratio Lower Upper
105 100
77 90.6 82.2 123.4

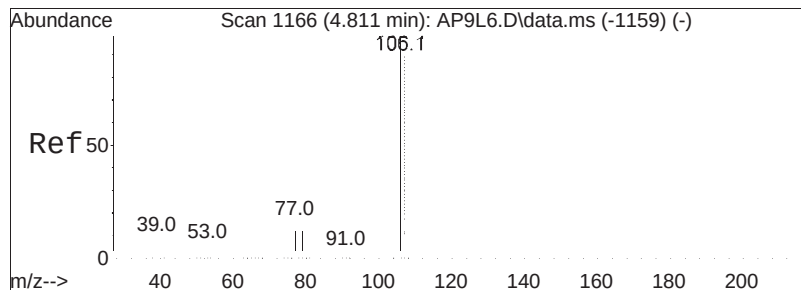




#29
 Acetophenone
 Concen: 4.69 ug/ml
 RT: 4.677 min Scan# 1123
 Delta R.T. -0.006 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

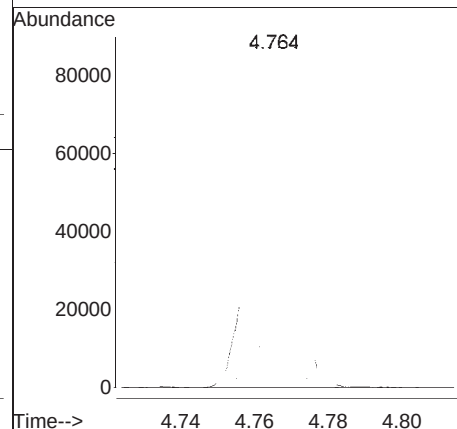
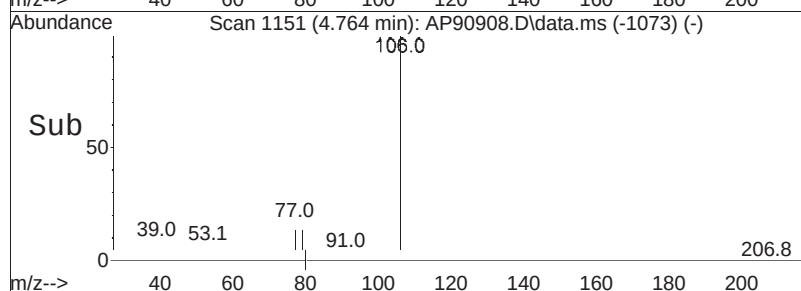
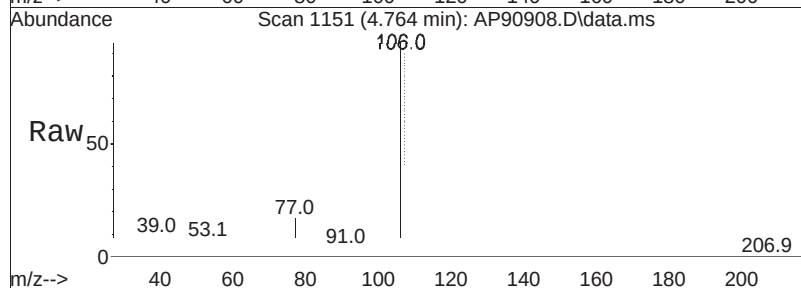
Tgt Ion	Ratio	Resp: Lower	Upper
105	100		
120	18.2	20.5	30.7#
51	28.7	34.9	52.3#

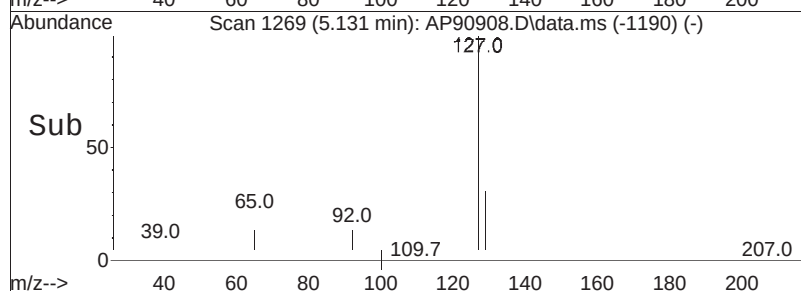
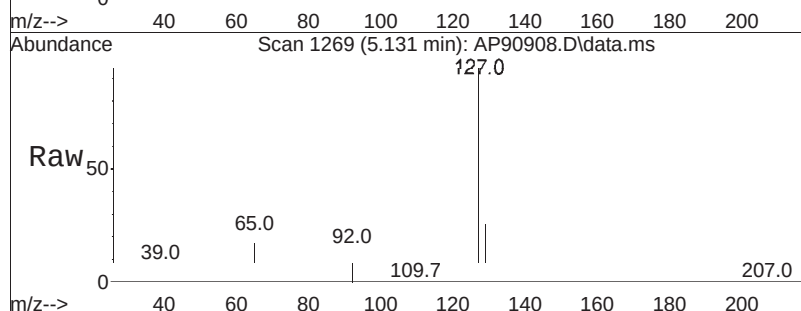
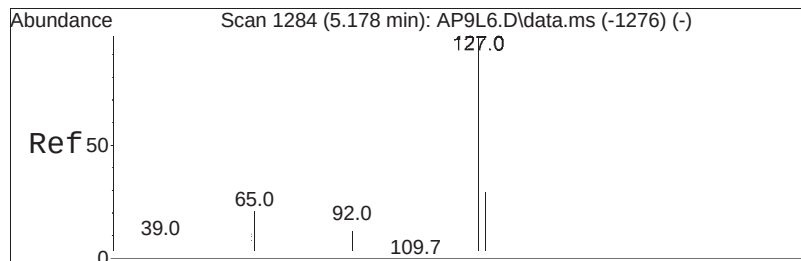




#30
 m-Toluidine
 Concen: 6.23 ug/ml
 RT: 4.764 min Scan# 1151
 Delta R.T. -0.006 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

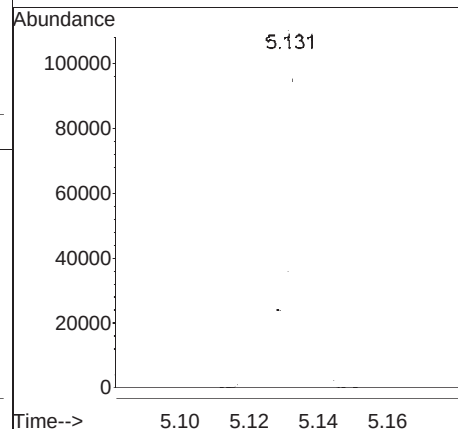
Tgt Ion	Ratio	Resp	Lower	Upper
106	100	69839		
107	89.2		75.7	113.5
79	14.2		11.8	17.8

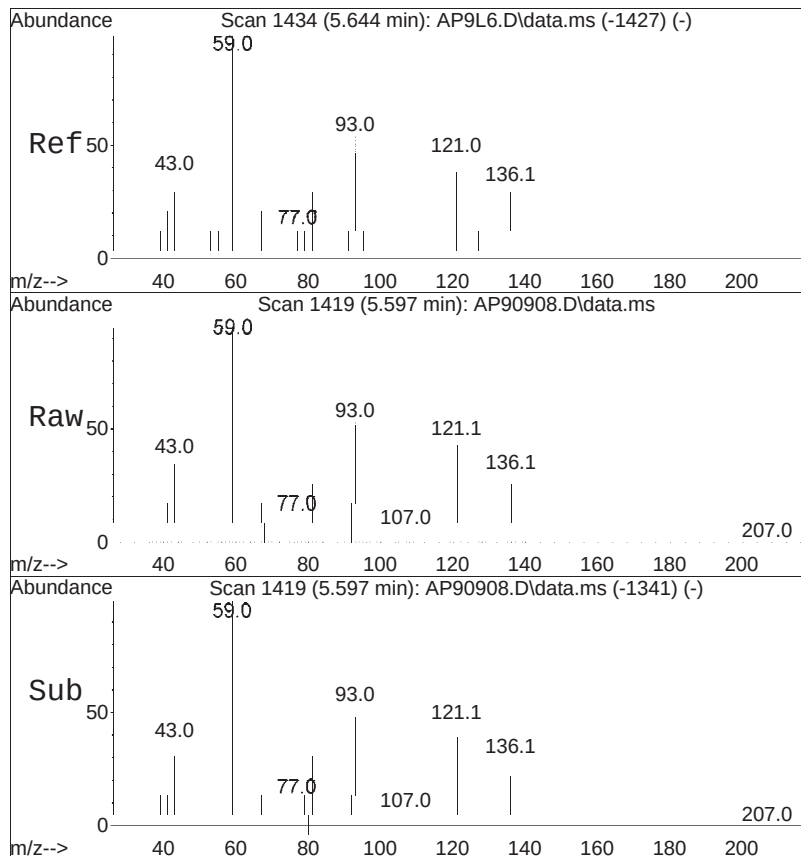




#31
 2-Chloroaniline
 Concen: 4.91 ug/ml
 RT: 5.131 min Scan# 1269
 Delta R.T. -0.003 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

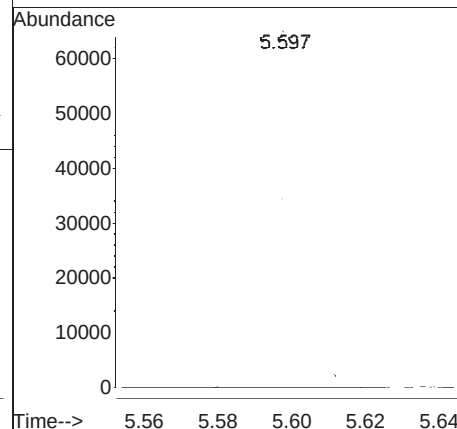
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	84606		
129	32.1		25.9	38.9
65	22.5		26.3	39.5#

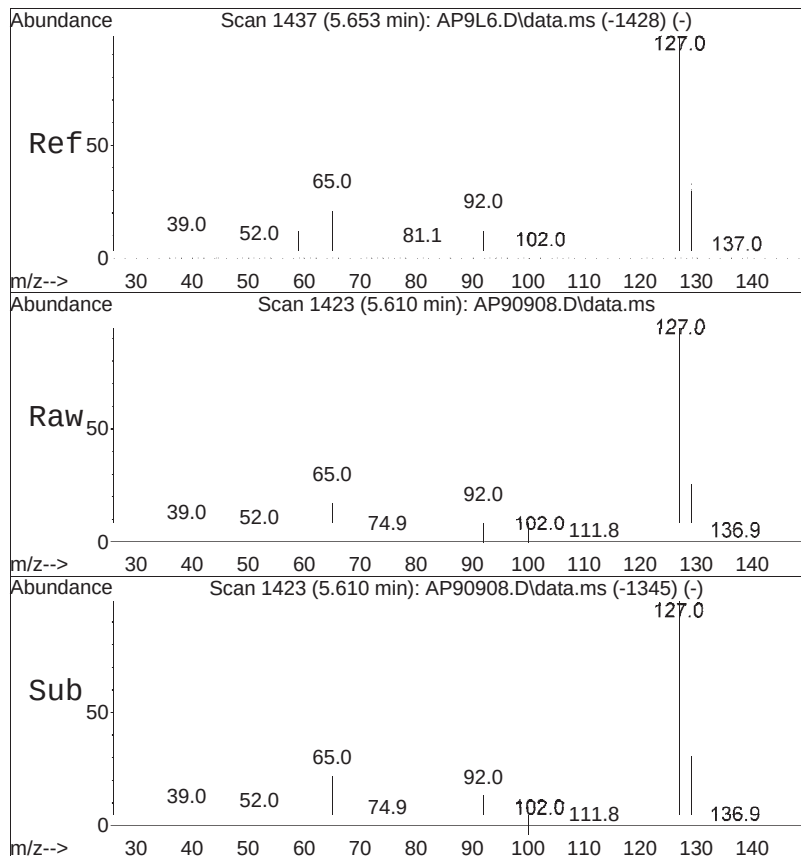




#56
a-Terpineol
Concen: 4.78 ug/ml
RT: 5.597 min Scan# 1419
Delta R.T. -0.006 min
Lab File: AP90908.D
Acq: 8 Sep 2025 6:43 am

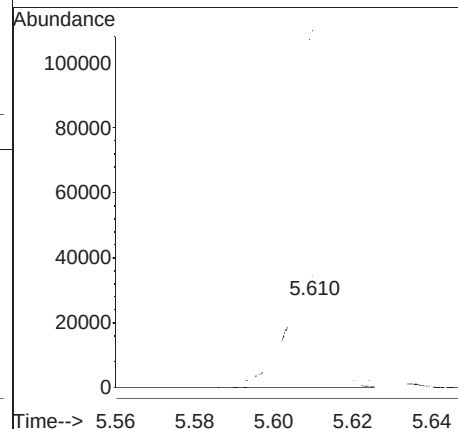
Tgt Ion	Ratio	Lower	Upper
59	100		
93	54.0	35.6	53.4#

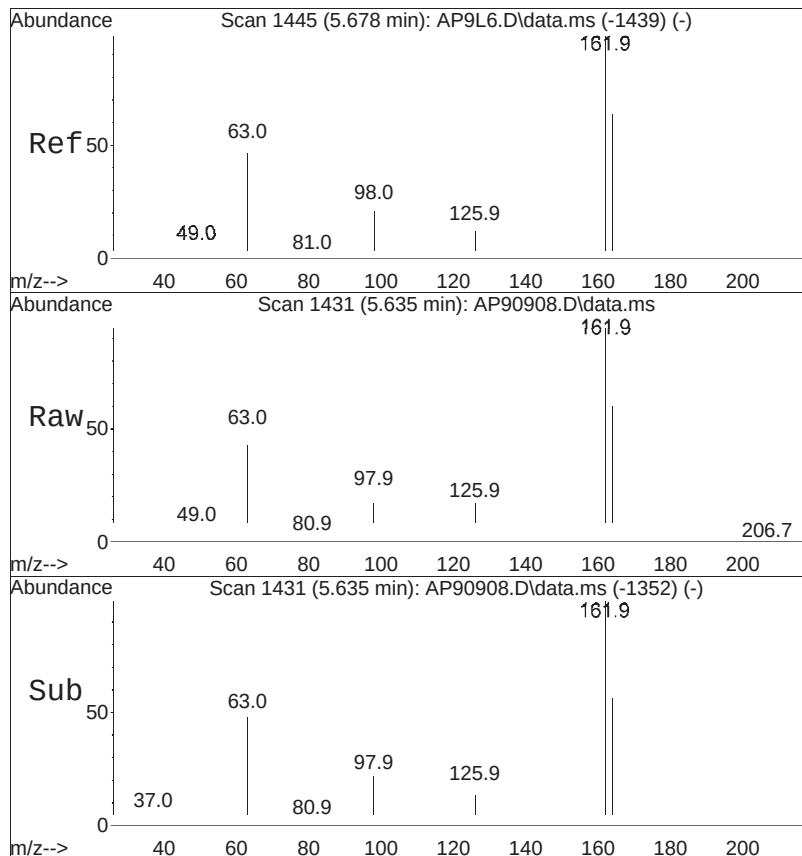




#57
 3-Chloroaniline
 Concen: 5.18 ug/ml
 RT: 5.610 min Scan# 1423
 Delta R.T. -0.006 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

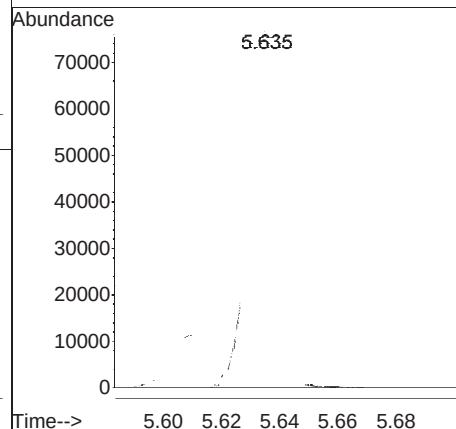
Tgt Ion:	65	Resp:	23447
Ion Ratio	Lower	Upper	
65	100		
127	346.3	243.2	364.8
129	110.4	78.8	118.2

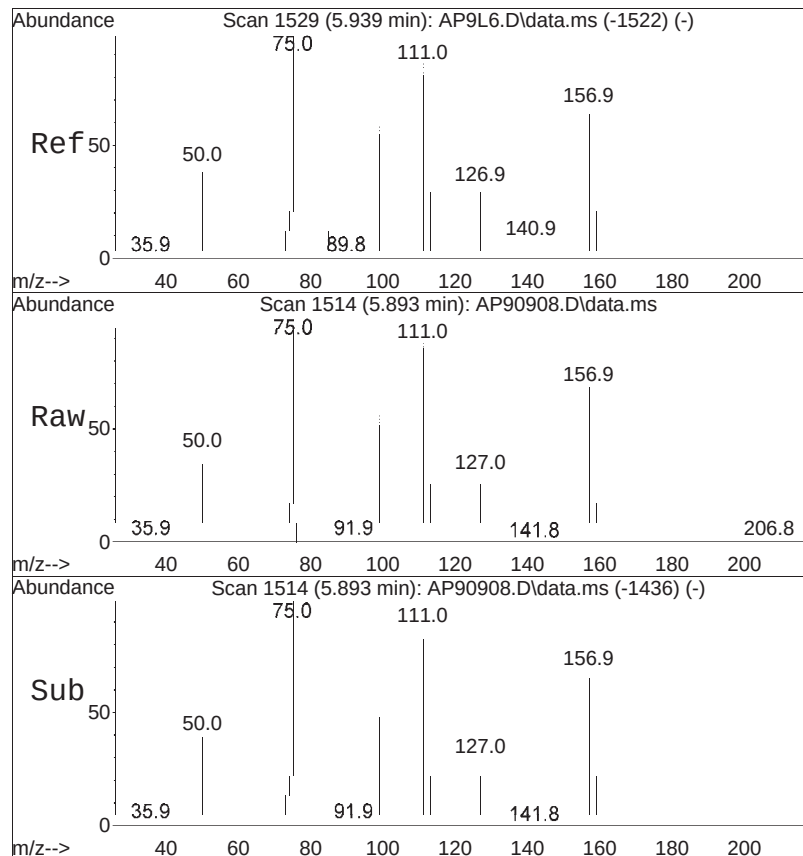




#58
 2,6-Dichlorophenol
 Concen: 5.14 ug/ml
 RT: 5.635 min Scan# 1431
 Delta R.T. -0.003 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

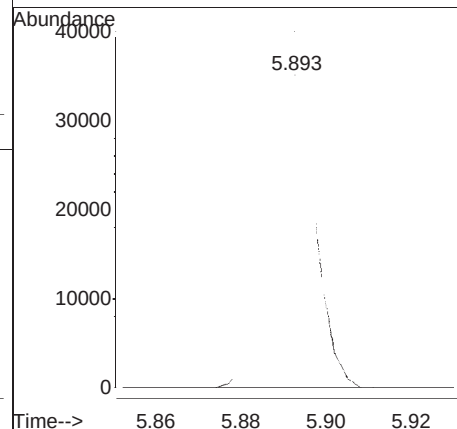
Tgt Ion:	162	Resp:	57993
Ion Ratio	Lower	Upper	
162	100		
164	63.8	51.1	76.7
63	52.1	60.8	91.2#

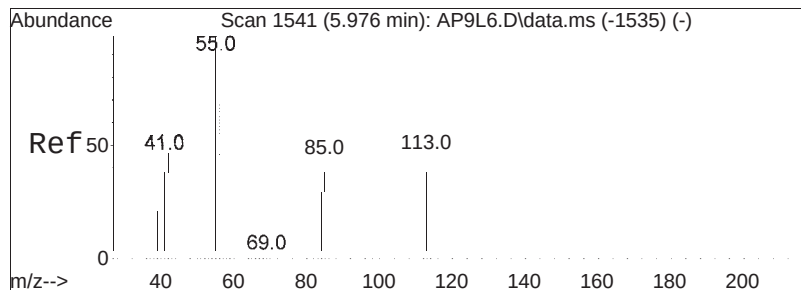




#59
 1-chloro-2-nitrobenzene
 Concen: 5.04 ug/ml
 RT: 5.893 min Scan# 1514
 Delta R.T. -0.006 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

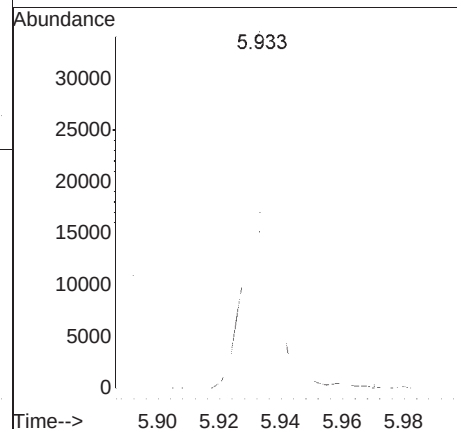
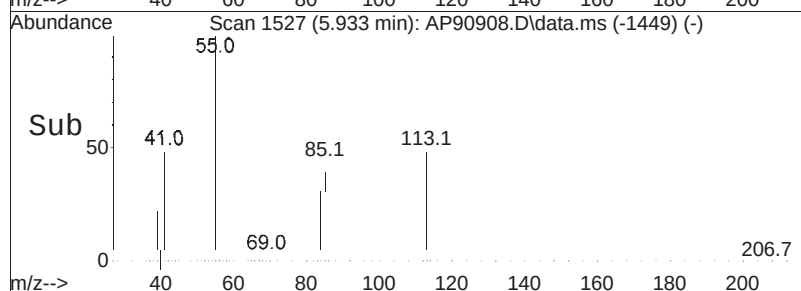
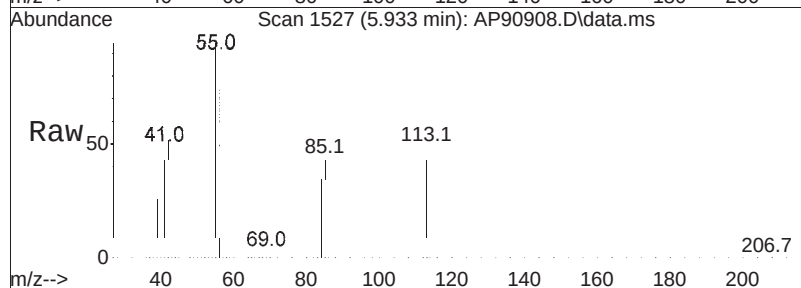
Tgt Ion	Ratio	Resp	Lower	Upper
111	100	26876		
157	78.4	0.0	0.0#	
75	111.8	28.2	42.2#	

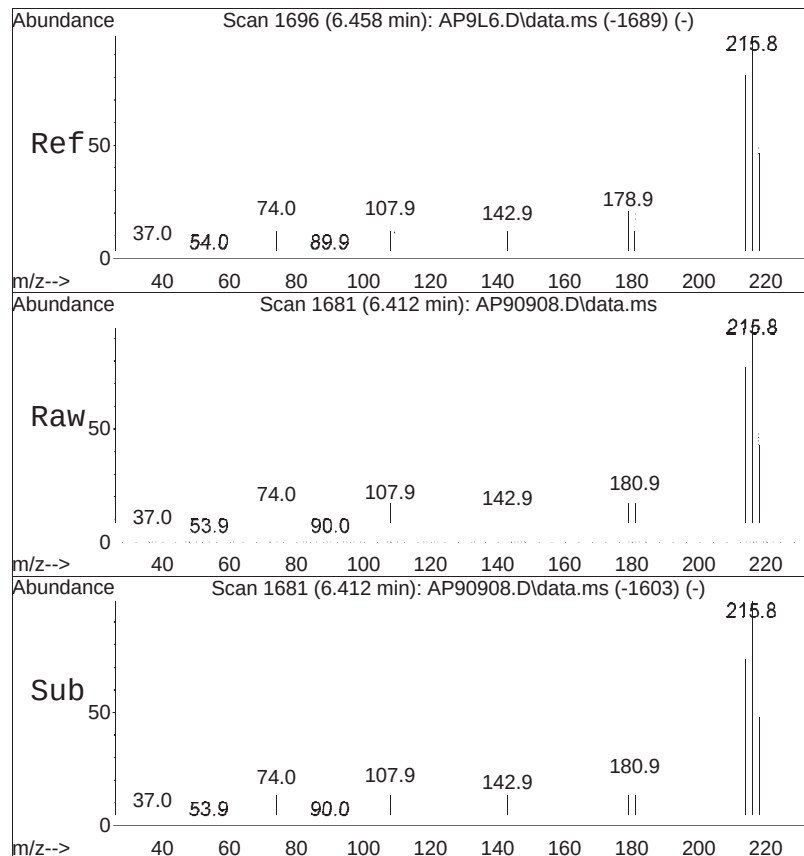




#60
 Caprolactam
 Concen: 5.23 ug/ml
 RT: 5.933 min Scan# 1527
 Delta R.T. -0.006 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

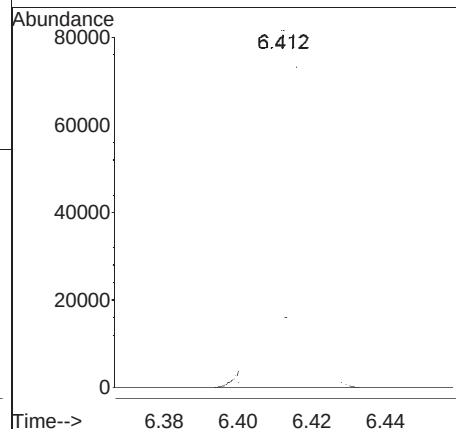
Tgt Ion	Ratio	Resp: Lower	Upper
55	100		
85	43.4	19.8	29.6#
113	47.3	29.6	44.4#

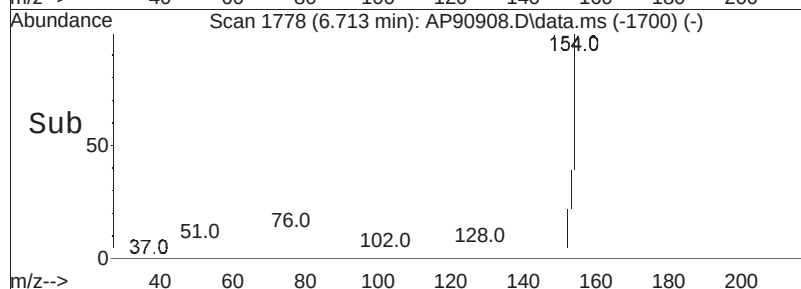
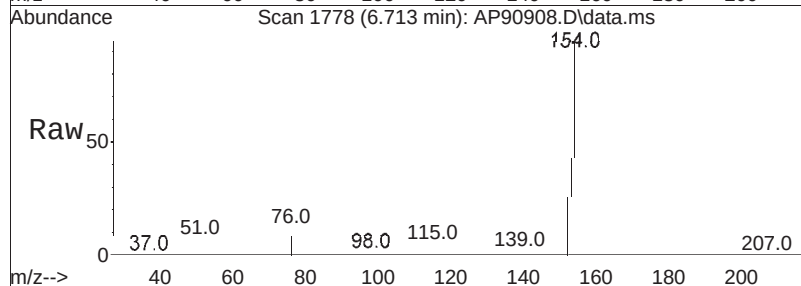
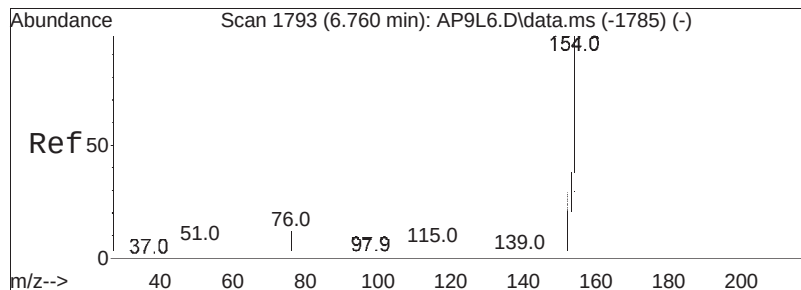




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.49 ug/ml
 RT: 6.412 min Scan# 1681
 Delta R.T. -0.006 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

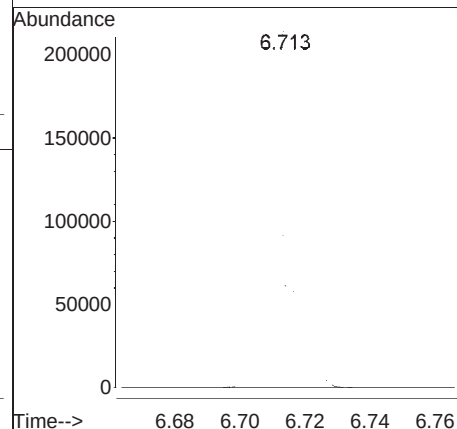
Tgt Ion:	216	Resp:	66237
Ion Ratio	Lower	Upper	
216	100		
214	80.5	63.7	95.5
179	20.5	19.0	28.6

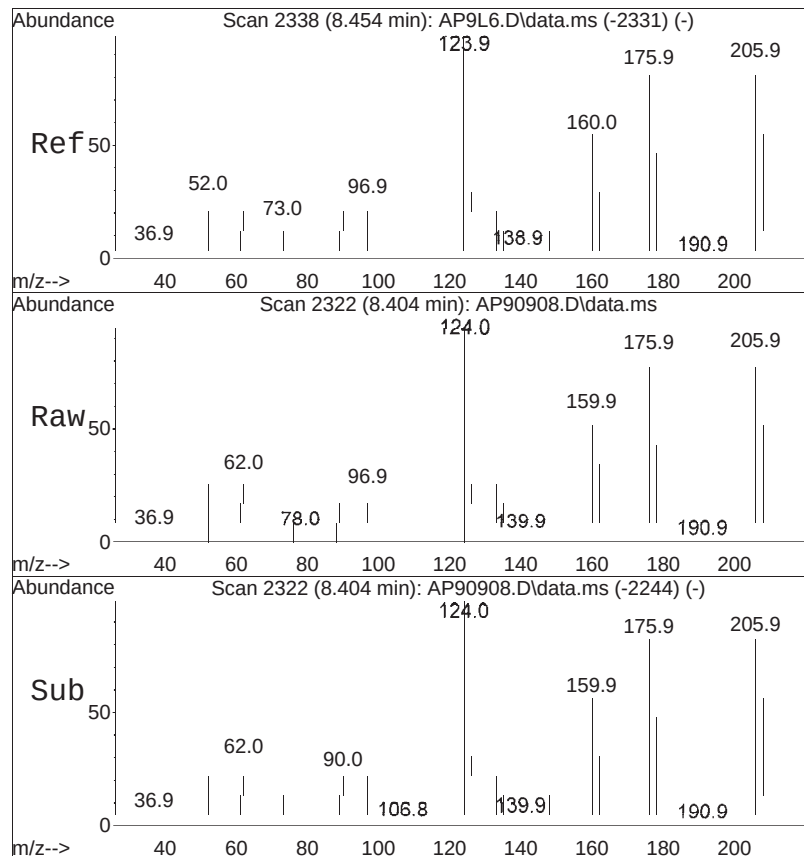




#62
 Biphenyl
 Concen: 4.52 ug/ml
 RT: 6.713 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

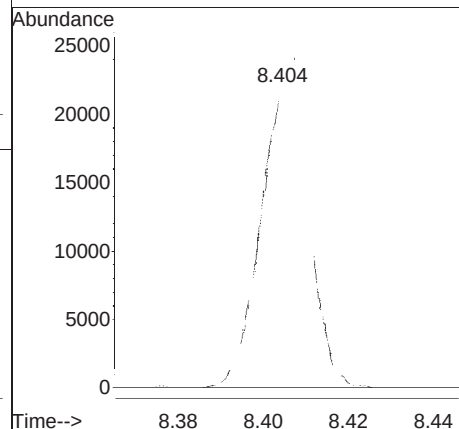
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	32.3	48.5
152	28.3	22.5	33.7

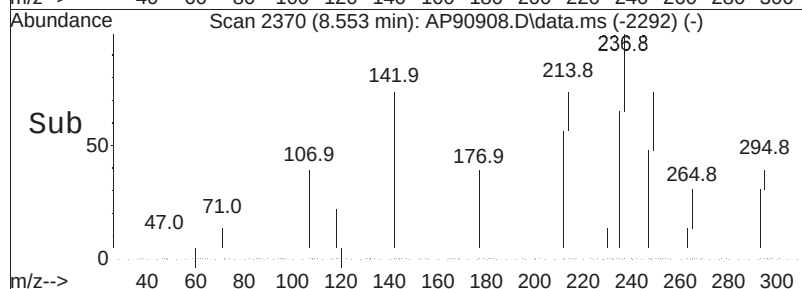
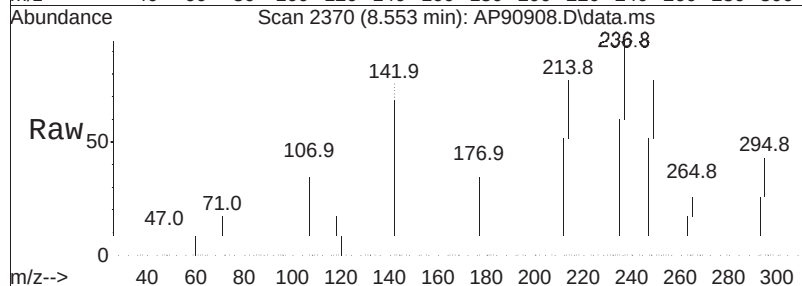
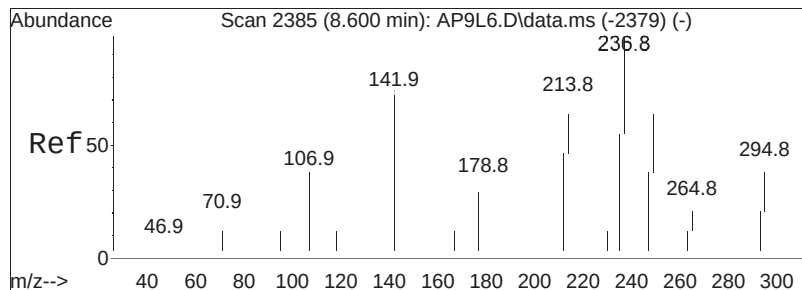




#84
 Dichloran
 Concen: 4.89 ug/ml
 RT: 8.404 min Scan# 2322
 Delta R.T. -0.006 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

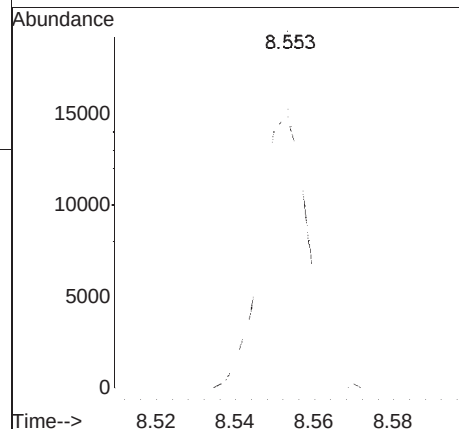
Tgt	Ion	Ratio	Resp	Lower	Upper
206	100		17472		
176	97.7	104.6	157.0#		
124	115.6	130.5	195.7#		

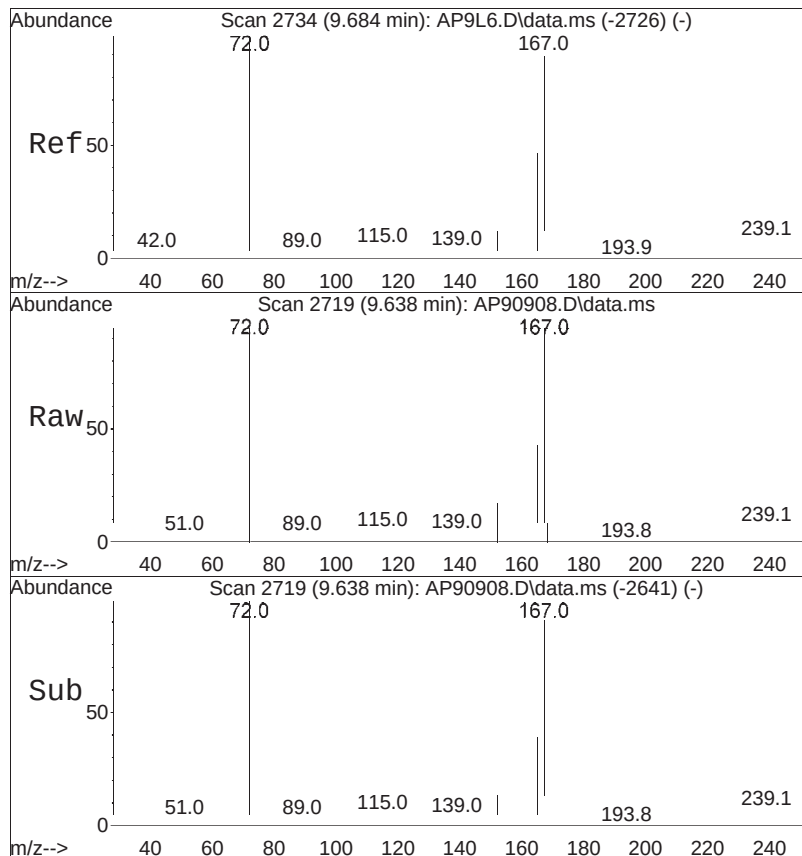




#85
 Pentachloronitrobenzene
 Concen: 4.75 ug/ml
 RT: 8.553 min Scan# 2370
 Delta R.T. -0.006 min
 Lab File: AP90908.D
 Acq: 8 Sep 2025 6:43 am

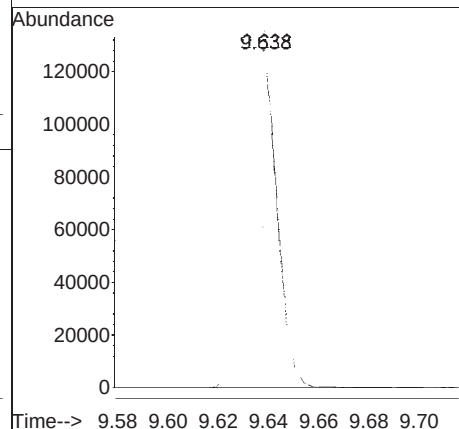
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	16524		
142	75.4		77.0	115.4#
214	74.2		58.2	87.4





#99
Diphenamid
Concen: 4.76 ug/ml
RT: 9.638 min Scan# 2719
Delta R.T. -0.006 min
Lab File: AP90908.D
Acq: 8 Sep 2025 6:43 am

Tgt Ion	Ratio	Lower	Upper
167	100		
72	107.7	109.7	164.5#
165	49.0	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\250908RVT\	QMethod	: FS250827SV106.m
Data File	: AP90908.D	Operator	: SV106:HNY
Date Inj'd	: 9/8/2025 6:43 am	Instrument	: SV 106
Sample	: wg2111831-4,32,,AP9 11965	Quant Date	

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250908RVT\
 Data File : ADP0908.D
 Acq On : 8 Sep 2025 7:04 am
 Operator : SV106:HNY
 Sample : wg2111831-5,32,,ADP 11661 gmr0814B
 Misc : wg2111831,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 08 07:21:14 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	0.00
33 t	1,4-Dioxane	0.477	0.435	8.8	127	0.00
34 T	n-Decane	1.449	1.374	5.2	127	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	131	0.00
87 T	Atrazine	0.372	0.367	1.3	128	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	129	0.00
101 T	n-Octadecane	0.480	0.464	3.3	122	0.00
102 T	Parathion	* 5.000	4.097	18.1	122	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	3.976	20.5#	100	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : ADP0908.D
 Acq On : 8 Sep 2025 7:04 am
 Operator : SV106:HNY
 Sample : wg2111831-5,32,,ADP 11661 gmr0814B
 Misc : wg2111831,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 08 07:21:14 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.255	152	41528	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	7.257	164	91049	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	8.702	188	180524	4.000	ug/ml	# 0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.311	88	22592	4.565	ug/ml#	81
34) n-Decane	4.161	57	71302	4.739	ug/ml#	41
87) Atrazine	8.497	200	41822	4.940	ug/ml	94
101) n-Octadecane	8.715	57	104731	4.836	ug/ml#	1
102) Parathion	9.517	109	22833	4.097	ug/ml	94
103) 3,3'-Dimethylbenzidine	10.791	212	112853	3.976	ug/ml	99

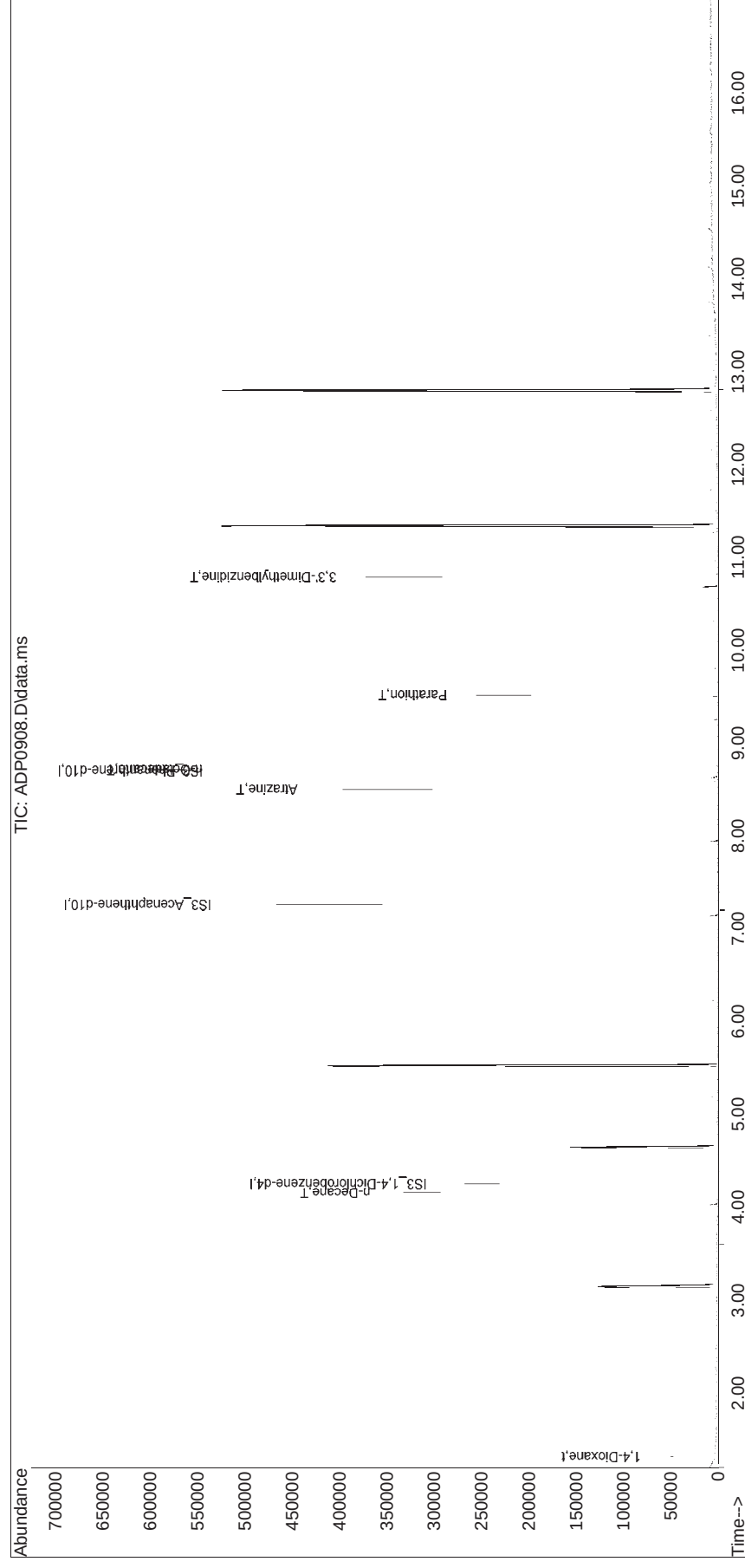
(#) = qualifier out of range (m) = manual integration (+) = signals summed

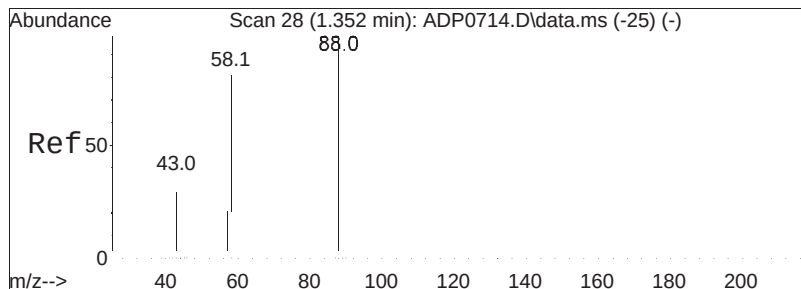
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : ADP0908.D
 Acq On : 8 Sep 2025 7:04 am
 Operator : SV106:HNY
 Sample : wg2111831-5,32,,ADP 11661 gmr0814B
 Misc : wg2111831,,ical22591
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 08 07:21:14 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

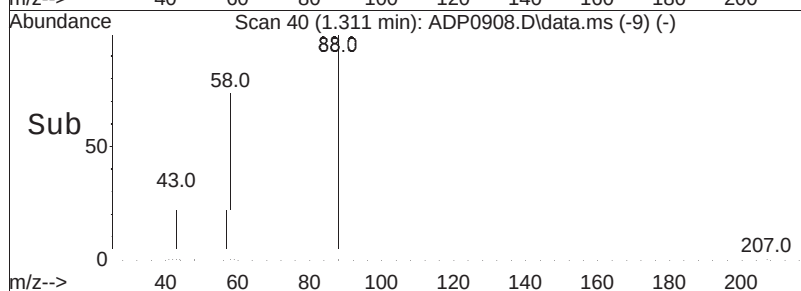
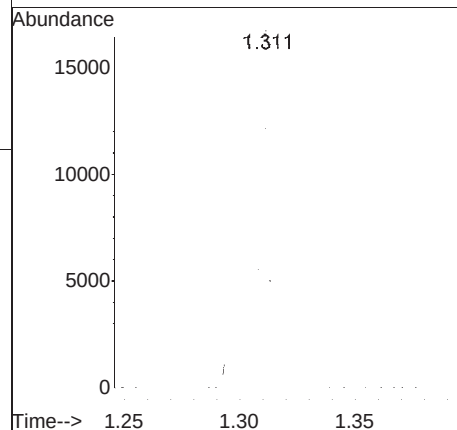
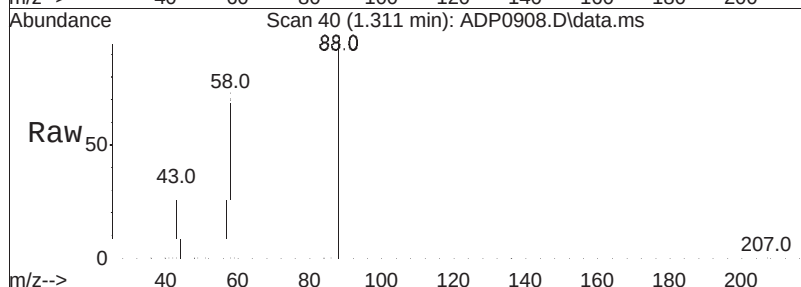
Sub List : ADPical_REV2 - ADP sublist

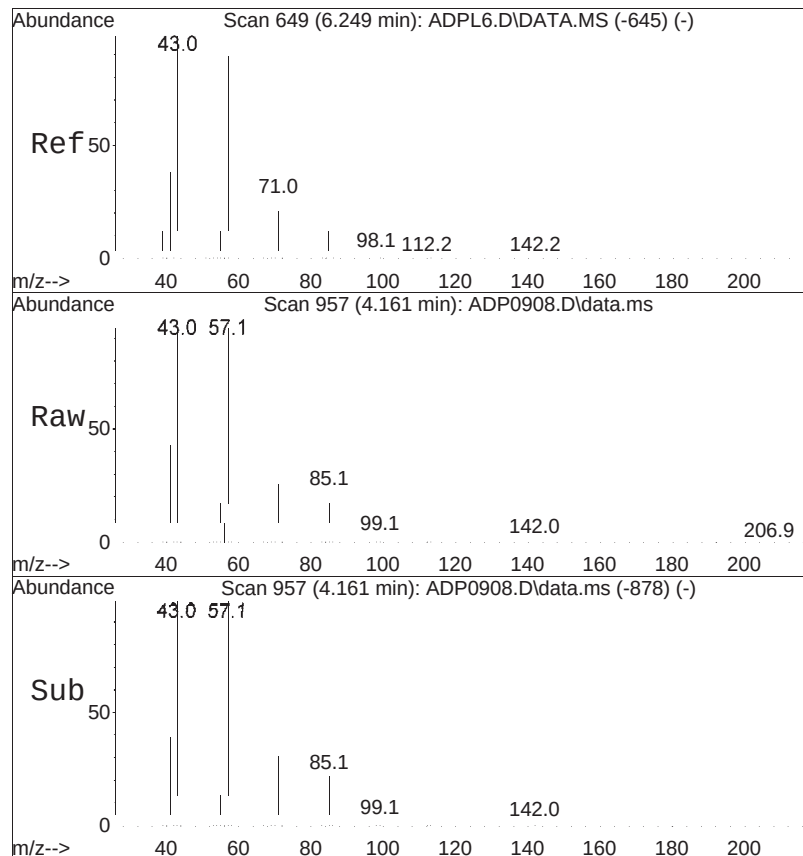




#33
 1,4-Dioxane
 Concen: 4.56 ug/ml
 RT: 1.311 min Scan# 40
 Delta R.T. -0.003 min
 Lab File: ADP0908.D
 Acq: 8 Sep 2025 7:04 am

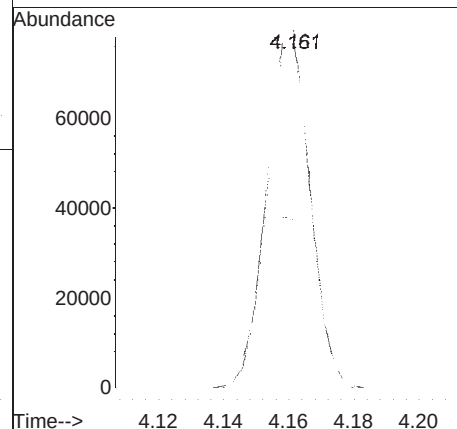
Tgt Ion	Ratio	Resp	Lower	Upper
88	100	22592		
58	73.0	44.8	67.2#	
43	33.2	22.4	33.6	

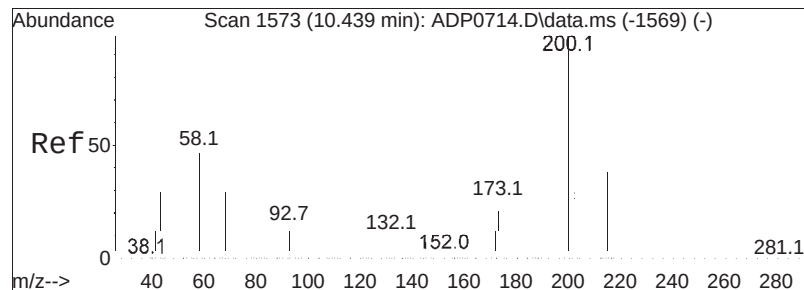




#34
 n-Decane
 Concen: 4.74 ug/ml
 RT: 4.161 min Scan# 957
 Delta R.T. -0.003 min
 Lab File: ADP0908.D
 Acq: 8 Sep 2025 7:04 am

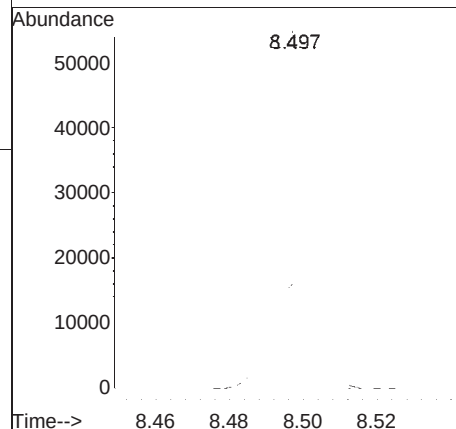
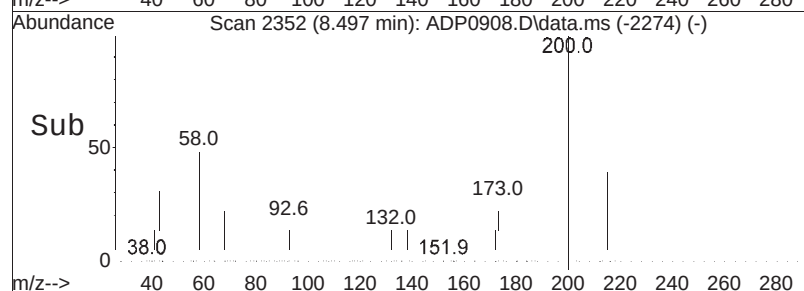
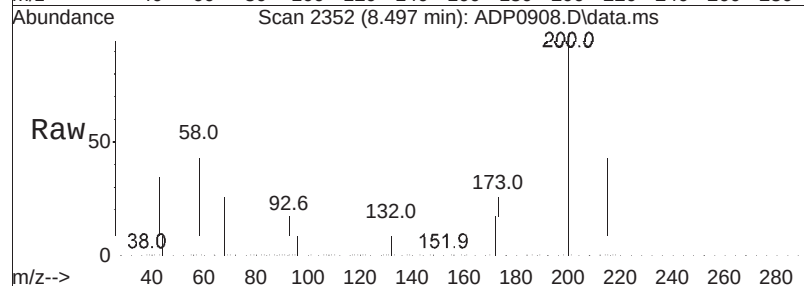
Tgt Ion	Ratio	Resp: Lower	Upper
57	100		
43	102.2	0.2	0.2#
41	49.1	0.2	0.2#

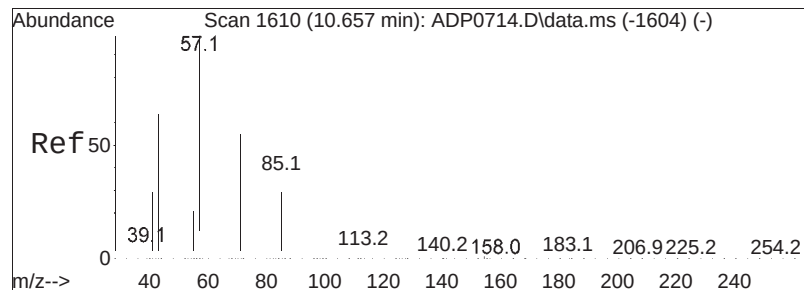




#87
 Atrazine
 Concen: 4.94 ug/ml
 RT: 8.497 min Scan# 2352
 Delta R.T. -0.006 min
 Lab File: ADP0908.D
 Acq: 8 Sep 2025 7:04 am

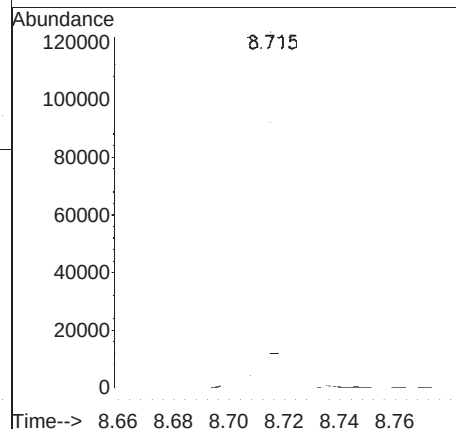
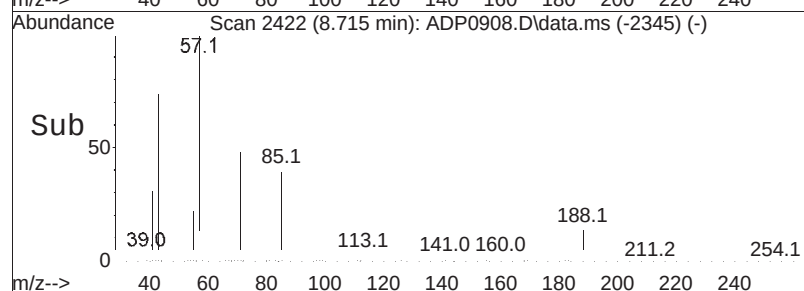
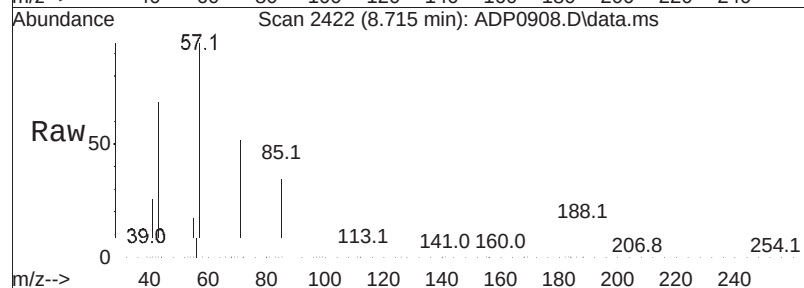
Tgt	Ion:200	Resp:	41822
Ion	Ratio	Lower	Upper
200	100		
202	30.8	25.8	38.6
215	44.1	40.2	60.4

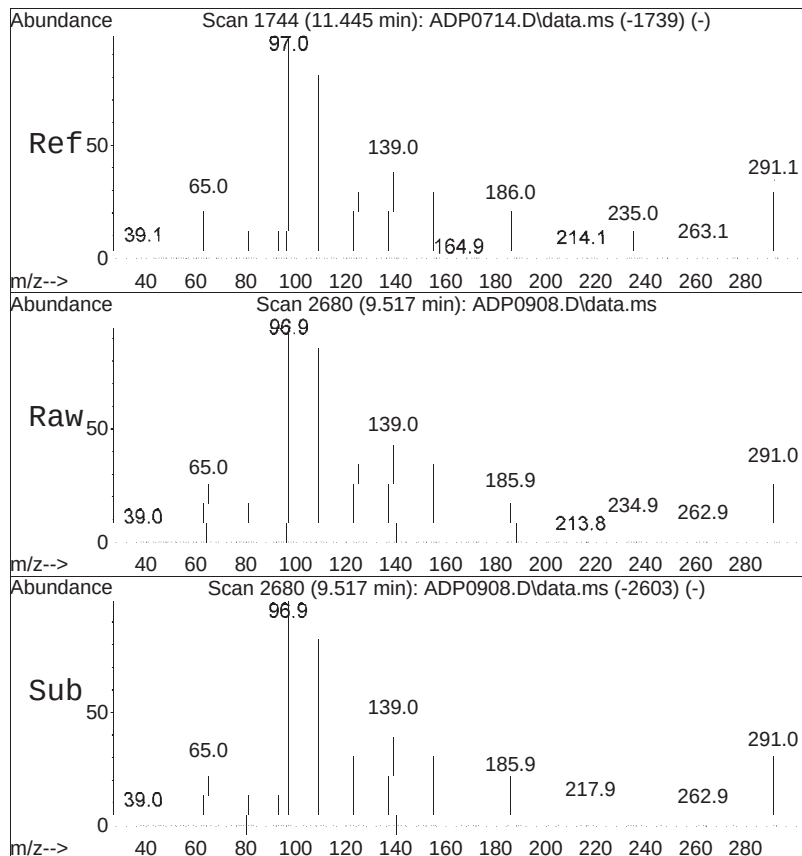




#101
 n-Octadecane
 Concen: 4.84 ug/ml
 RT: 8.715 min Scan# 2422
 Delta R.T. -0.009 min
 Lab File: ADP0908.D
 Acq: 8 Sep 2025 7:04 am

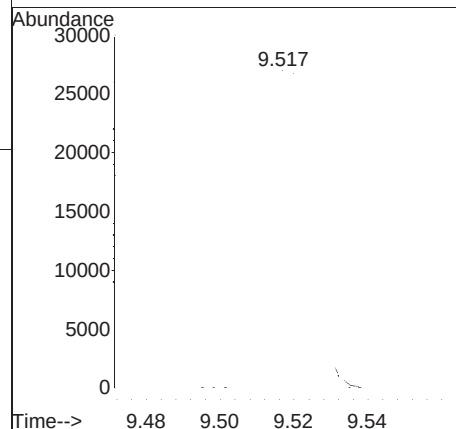
Tgt Ion	Ratio	Resp Lower	Resp Upper
57	100		
43	74.5	9.0	13.6#
70	9.7	0.2	0.2#

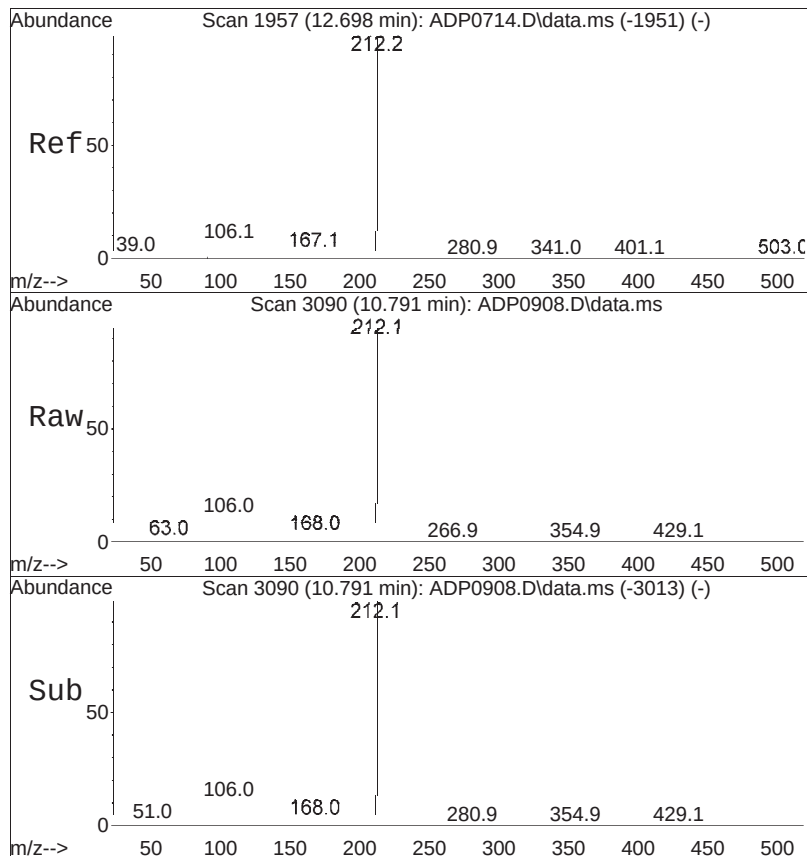




#102
 Parathion
 Concen: 4.10 ug/ml
 RT: 9.517 min Scan# 2680
 Delta R.T. -0.009 min
 Lab File: ADP0908.D
 Acq: 8 Sep 2025 7:04 am

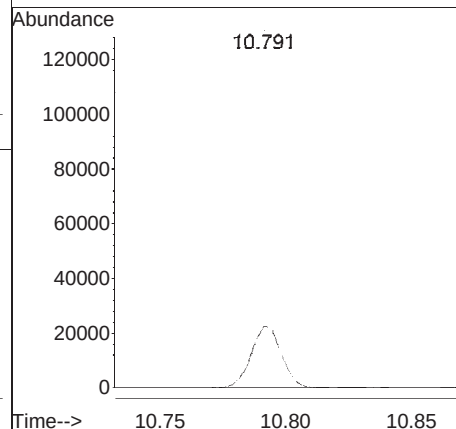
Tgt Ion:	109	Resp:	22833
Ion Ratio	Lower	Upper	
109	100		
97	115.7	87.4	131.2
291	39.8	34.2	51.2





#103
 3,3'-Dimethylbenzidine
 Concen: 3.98 ug/ml
 RT: 10.791 min Scan# 3090
 Delta R.T. -0.009 min
 Lab File: ADP0908.D
 Acq: 8 Sep 2025 7:04 am

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	112853		
211	17.1		12.9	19.3
213	16.7		13.2	19.8



Manual Integration Report

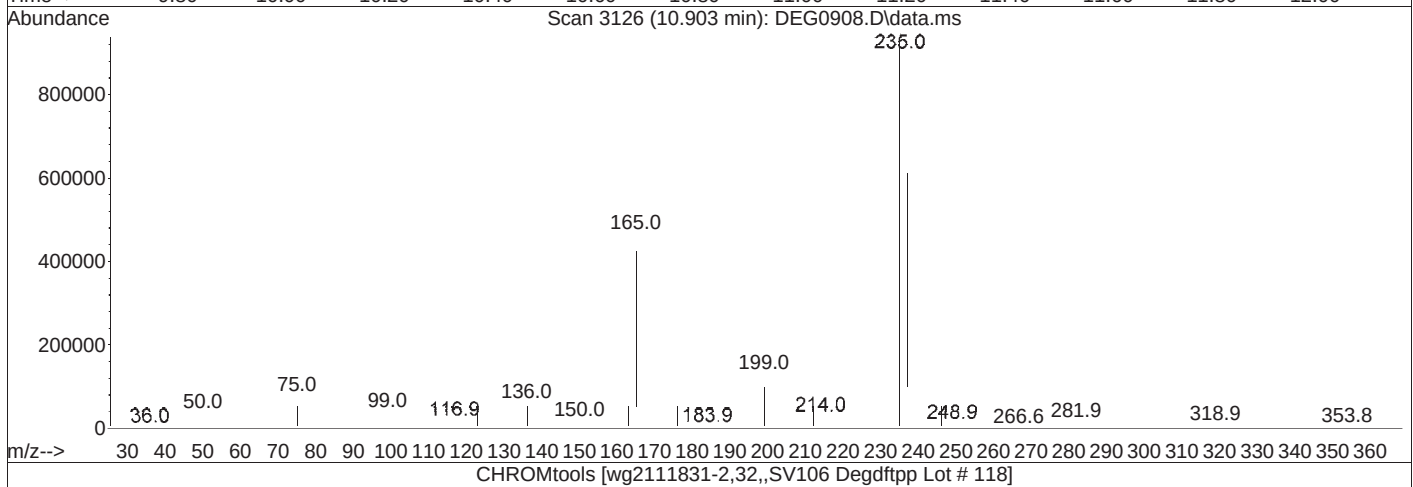
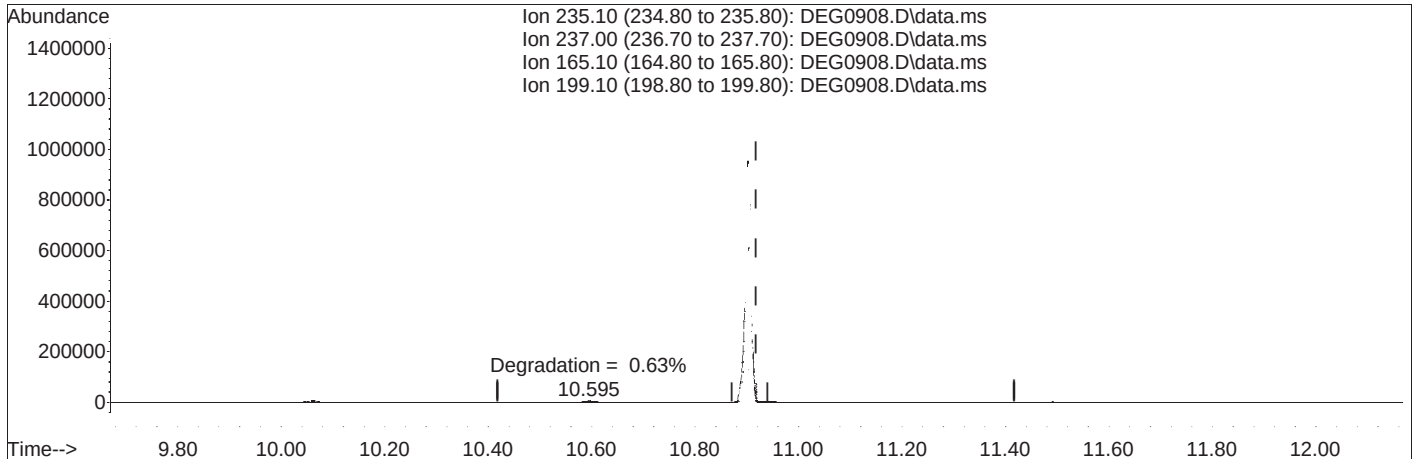
Data Path	: I:\8270\SV106\250908RVT\	QMethod	: FS250827SV106.m
Data File	: ADP0908.D	Operator	: SV106:HNY
Date Inj'd	: 9/8/2025 7:04 am	Instrument	: SV 106
Sample	: wg2111831-5,32,,ADP 11661	Quant Date	

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250908RVT\
Data File : DEG0908.D
Acq On : 8 Sep 2025 6:00 am
Operator : SV106:HNY
Sample : wg2111831-2,32,,SV106 Degdftpp Lot # 118
Misc : wg2111831,,ical22591
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 08 06:18:09 2025
Quant Method : I:\8270\SV106\250908RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 05 22:36:19 2025
Response via : Initial Calibration



CHROMtools [wg2111831-2,32,,SV106 Degdftpp Lot # 118]

(6) DDT (T)

10.903min (-0.015) 139.63

response 851150

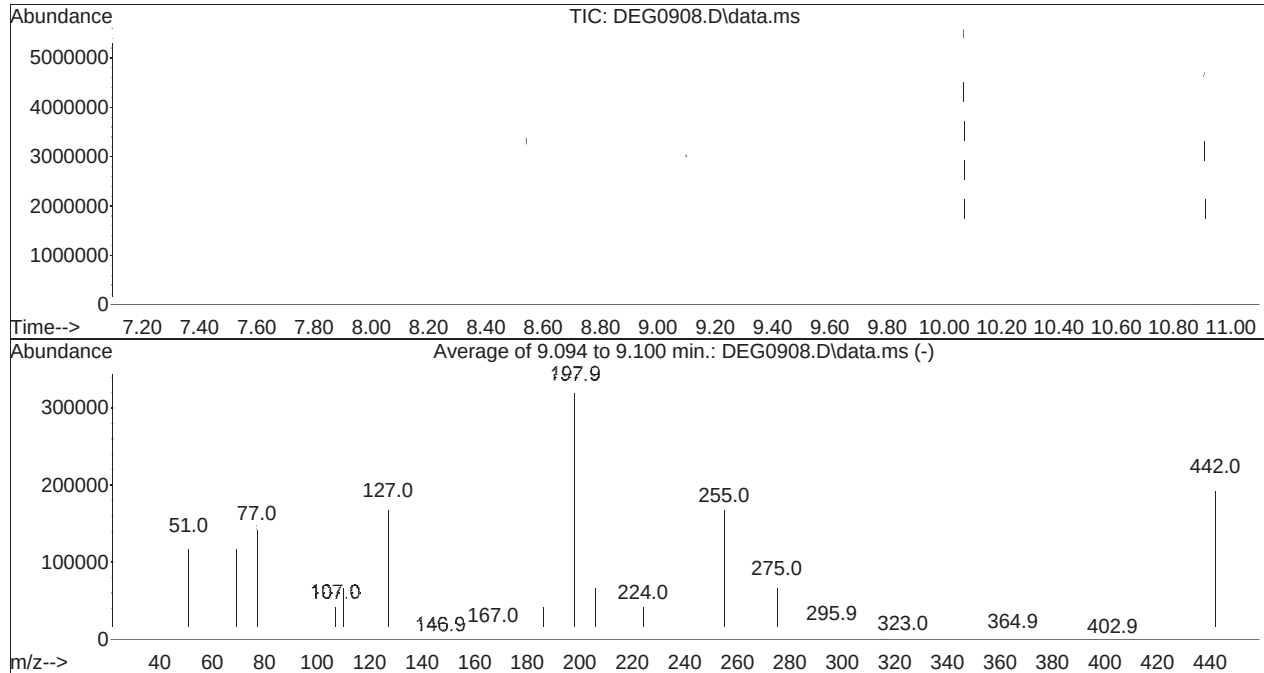
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	63.89
165.10	44.50	49.94
199.10	14.80	13.98

DFTPP

Data Path : I:\8270\SV106\250908RVT\
 Data File : DEG0908.D
 Acq On : 8 Sep 2025 6:00 am
 Operator : SV106:cmm
 Sample : WG2111831-1,32,,SV106 Degdftpp Lot # 11857
 Misc : WG2111831,,ical22591
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Sat Sep 06 08:56:15 2025



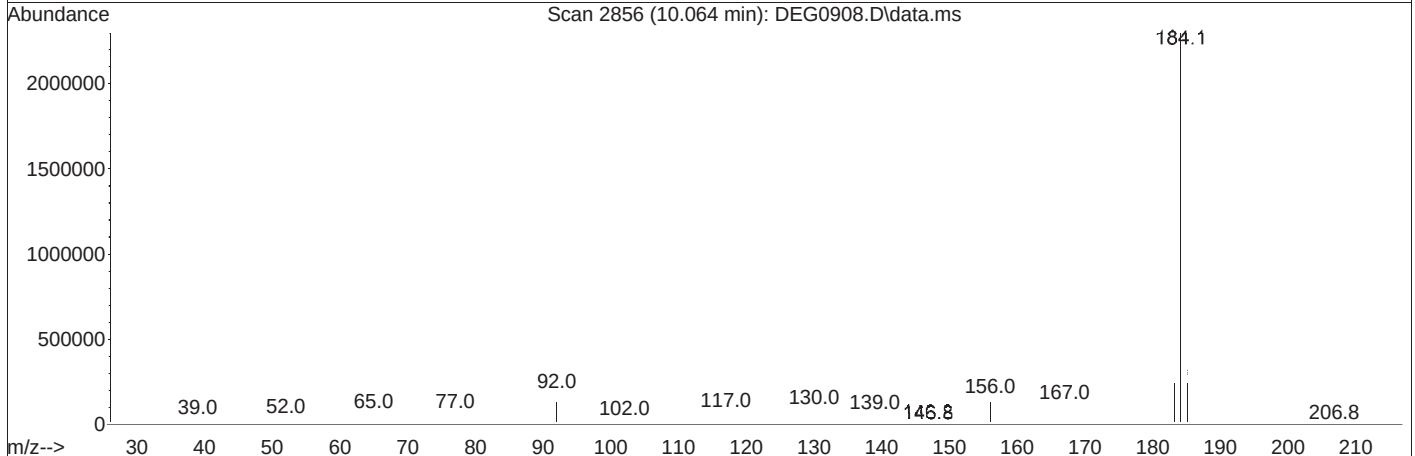
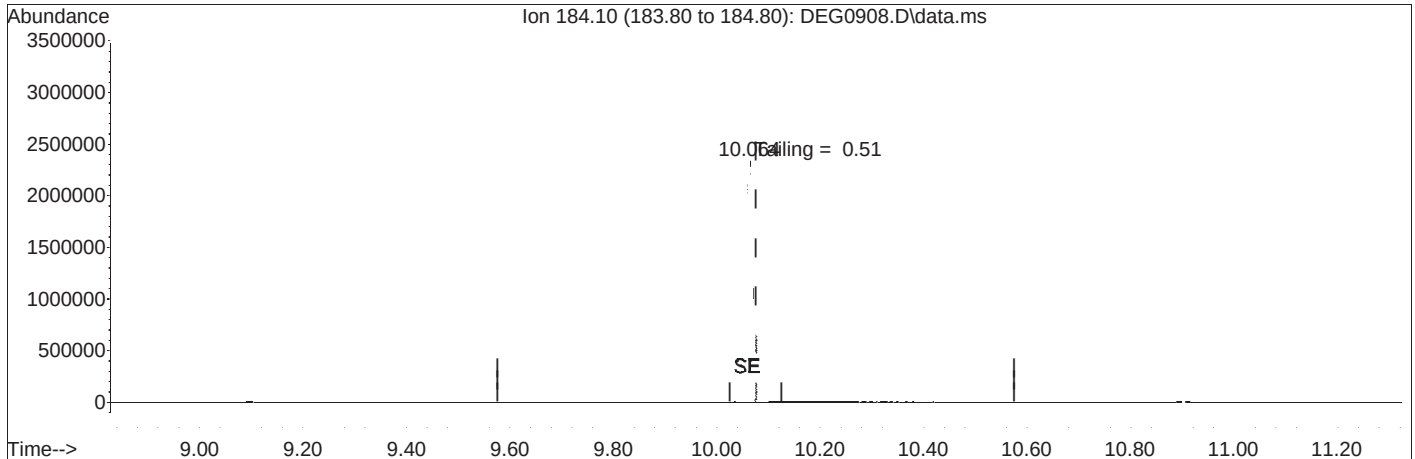
Spectrum Information: Average of 9.094 to 9.100 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.0	133248	PASS
68	69	0.00	2	1.6	2249	PASS
69	69	100	100	100.0	139856	PASS
70	69	0.00	2	0.4	592	PASS
127	198	10	80	52.2	178325	PASS
197	198	0.00	2	0.3	908	PASS
198	198	100	100	100.0	341888	PASS
199	198	5	9	6.8	23091	PASS
275	198	10	60	22.4	76667	PASS
365	198	1	100	2.4	8200	PASS
441	442	0.01	24	16.9	35477	PASS
442	198	50	100	61.3	209408	PASS
443	442	15	24	19.1	39955	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250908RVT\
 Data File : DEG0908.D
 Acq On : 8 Sep 2025 6:00 am
 Operator : SV106:HNY
 Sample : wg2111831-6,32,,SV106 Degdftpp Lot # 118
 Misc : wg2111831,,ical22591
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 08 06:18:09 2025
 Quant Method : I:\8270\SV106\250908RVT\DftppSV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 05 22:36:19 2025
 Response via : Initial Calibration



CHROMtools [wg2111831-6,32,,SV106 Degdftpp Lot # 118]

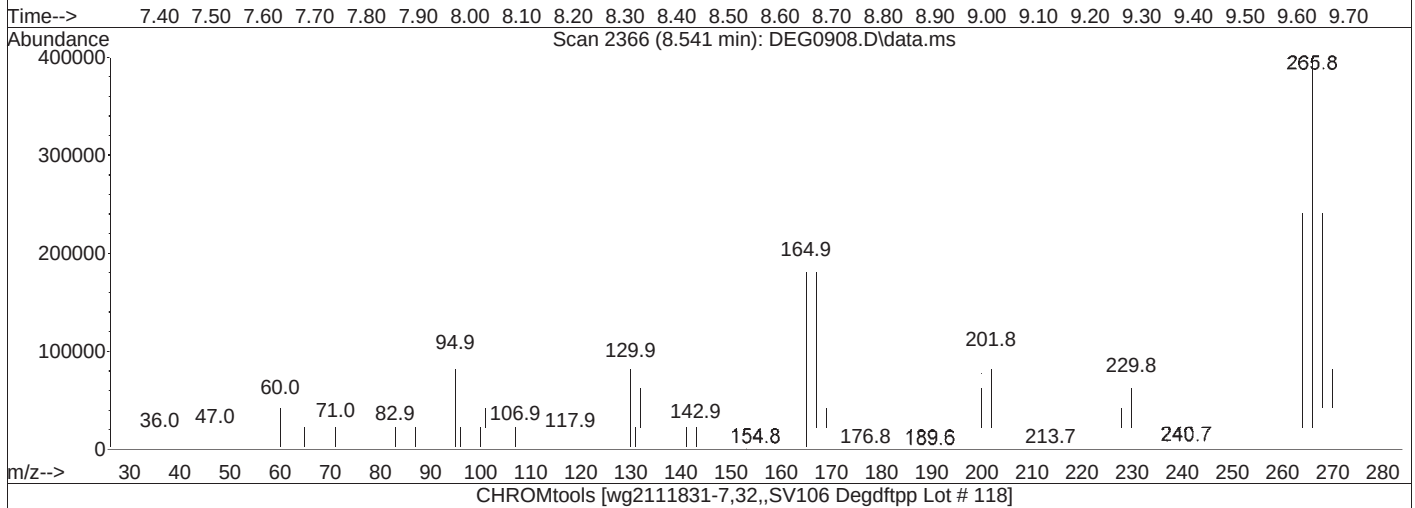
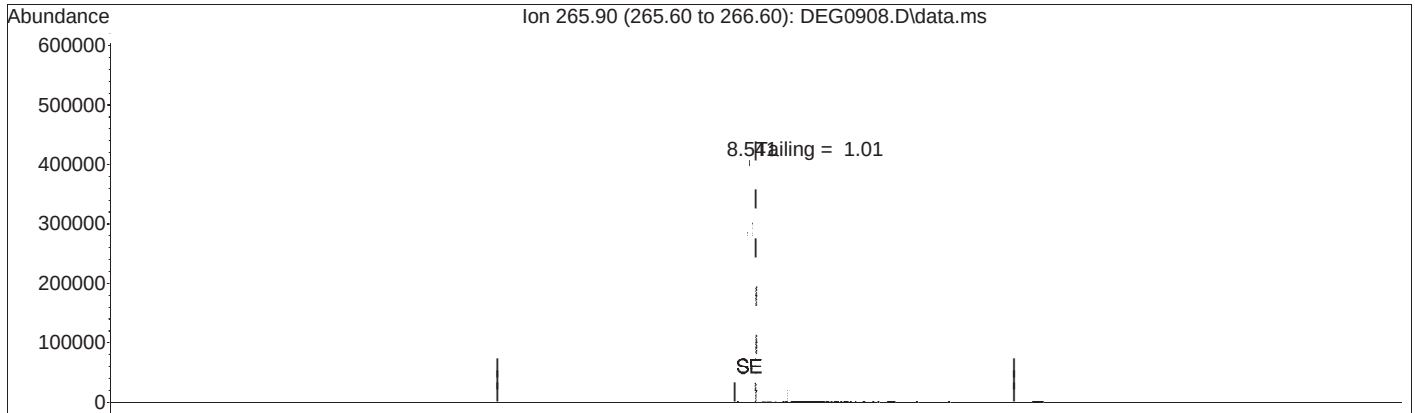
(3) Benzidine (T)
 10.064min (-0.012) 201.42
 response 2050491

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250908RVT\
 Data File : DEG0908.D
 Acq On : 8 Sep 2025 6:00 am
 Operator : SV106:HNY
 Sample : wg2111831-7,32,,SV106 Degdftpp Lot # 118
 Misc : wg2111831,,ical22591
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 08 06:18:09 2025
 Quant Method : I:\8270\SV106\250908RVT\DftppSV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 05 22:36:19 2025
 Response via : Initial Calibration



(1) Pentachlorophenol (T)

8.541min (-0.012) 154.81

response 325157

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : ABN0908
 Sample No : WG2111831-3
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/08/25 06:21
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
n-Nitrosodimethylamine	0.66	0.668	-	-1.2	20	111	0
Pyridine	1.131	1.119	-	1.1	20	105	0
2-Fluorophenol	1.106	1.117	-	-1	20	108	0
Aniline	1.738	1.77	-	-1.8	20	108	0
2-Chlorophenol	1.332	1.345	-	-1	20	109	0
Phenol-d6	1.318	1.38	-	-4.7	20	114	0
Phenol	1.441	1.472	-	-2.2	20	112	0
Bis(2-chloroethyl)ether	1.143	1.147	-	-0.3	20	111	0
1,3-Dichlorobenzene	1.598	1.567	-	1.9	20	108	0
1,4-Dichlorobenzene	1.634	1.594	-	2.4	20	109	0
1,2-Dichlorobenzene	1.572	1.528	-	2.8	20	109	0
Benzyl alcohol	0.964	0.956	-	0.8	20	109	0
Bis(2-chloroisopropyl)ethe	1.867	1.862	-	0.3	20	111	0
2-Methylphenol	1.104	1.126	-	-2	20	111	0
Hexachloroethane	0.602	0.603	-	-0.2	20	108	0
n-Nitrosodi-n-propylamine	0.815	0.816	-	-0.1	20	108	0
3-Methylphenol/4-Methylphe	1.207	1.244	-	-3.1	20	114	0
Nitrobenzene-d5	1.226	1.217	-	0.7	20	108	0
Nitrobenzene	1.26	1.279	-	-1.5	20	109	0
Isophorone	2.296	2.197	-	4.3	20	104	0
2-Nitrophenol	0.64	0.67	-	-4.7	20	112	0
2,4-Dimethylphenol	1.271	1.285	-	-1.1	20	107	0
Bis(2-chloroethoxy)methane	1.546	1.532	-	0.9	20	110	0
2,4-Dichlorophenol	1.17	1.194	-	-2.1	20	108	0
1,2,4-Trichlorobenzene	1.374	1.332	-	3.1	20	108	0
IS1_Naphthalene-d8	1	1	-	0	20	112	0
Naphthalene	1.082	1.042	-	3.7	20	108	0
Benzoic Acid	5	4.074	-	18.5	20	103	0
4-Chloroaniline	0.117	0.116	-	0.9	20	106	0
Hexachlorobutadiene	0.2	0.189	-	5.5	20	105	0
p-Chloro-m-cresol	0.284	0.279	-	1.8	20	108	0
2-Methylnaphthalene	0.641	0.648	-	-1.1	20	114	0
1-Methylnaphthalene	0.227	0.219	-	3.5	20	109	0
Hexachlorocyclopentadiene	0.254	0.237	-	6.7	20	102	0
2,4,6-Trichlorophenol	0.213	0.228	-	-7	20	112	0
2,4,5-Trichlorophenol	0.239	0.244	-	-2.1	20	108	0
2-Fluorobiphenyl	0.821	0.768	-	6.5	20	106	0
2-Chloronaphthalene	0.727	0.694	-	4.5	20	107	0
2-Nitroaniline	0.206	0.214	-	-3.9	20	106	0
1,4-Dinitrobenzene	0.097	0.094	-	3.1	20	103	0
1,3-Dinitrobenzene	0.112	0.113	-	-0.9	20	105	0
Dimethyl phthalate	0.857	0.802	-	6.4	20	103	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : ABN0908
 Sample No : WG2111831-3
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/08/25 06:21
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.142	-	2.4	20	105	0
2,6-Dinitrotoluene	0.167	0.165	-	1.2	20	105	0
1,2-Dinitrobenzene	0.073	0.075	-	-2.7	20	105	0
IS1_Acenaphthene-d10	1	1	-	0	20	111	0
3-Nitroaniline	0.342	0.348	-	-1.8	20	106	0
Acenaphthene	1.136	1.075	-	5.4	20	106	0
2,4-Dinitrophenol	0.166	0.136	-	18.1	20	95	0
Dibenzofuran	1.844	1.741	-	5.6	20	106	0
2,4-Dinitrotoluene	0.385	0.399	-	-3.6	20	103	0
4-Nitrophenol	0.238	0.251	-	-5.5	20	111	0
2,3,5,6-Tetrachlorophenol	0.34	0.353	-	-3.8	20	106	0
2,3,4,6-Tetrachlorophenol	0.33	0.335	-	-1.5	20	101	0
Diethyl phthalate	1.516	1.382	-	8.8	20	100	0
Fluorene	1.447	1.35	-	6.7	20	105	0
4-Chlorophenyl phenyl ethe	0.688	0.632	-	8.1	20	102	0
4-Nitroaniline	0.337	0.342	-	-1.5	20	103	0
4,6-Dinitro-o-cresol	0.214	0.206	-	3.7	20	104	0
NDPA/DPA	1.209	1.146	-	5.2	20	102	0
Azobenzene	1.272	1.219	-	4.2	20	102	0
2,4,6-Tribromophenol	0.194	0.177	-	8.8	20	98	0
4-Bromophenyl phenyl ether	0.424	0.375	-	11.6	20	100	0
Hexachlorobenzene	0.475	0.419	-	11.8	20	101	0
Pentachlorophenol	0.28	0.257	-	8.2	20	103	0
IS1_Phenanthrene-d10	1	1	-	0	20	108	0
Phenanthrene	1.202	1.104	-	8.2	20	102	0
Anthracene	1.178	1.109	-	5.9	20	102	0
Carbazole	1.081	1.065	-	1.5	20	103	0
Di-n-butylphthalate	1.266	1.199	-	5.3	20	97	0
Fluoranthene	1.296	1.216	-	6.2	20	101	0
Benzidine	0.831	0.759	-	8.7	20	98	0
Pyrene	1.383	1.296	-	6.3	20	101	0
4-Terphenyl-d14	0.982	0.869	-	11.5	20	98	0
Butyl benzyl phthalate	0.529	0.523	-	1.1	20	100	0
IS1_Chrysene-d12	1	1	-	0	20	107	0
Benzo(a)anthracene	1.349	1.282	-	5	20	104	0
3,3'-Dichlorobenzidine	0.464	0.454	-	2.2	20	98	0
Chrysene	1.336	1.224	-	8.4	20	103	0
Bis(2-ethylhexyl)phthalate	0.846	0.82	-	3.1	20	97	0
Di-n-octylphthalate	1.419	1.364	-	3.9	20	101	0
Benzo(b)fluoranthene	1.278	1.277	-	0.1	20	110	0
Benzo(k)fluoranthene	1.303	1.291	-	0.9	20	104	0
Benzo(a)pyrene	1.197	1.218	-	-1.8	20	107	0
IS1_Perylene-d12	1	1	-	0	20	112	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV106
Lab File ID : ABN0908
Sample No : WG2111831-3
Channel :

Lab Number : L2555938
Project Number : 2232.0006Y005
Calibration Date : 09/08/25 06:21
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.141	1.093	-	4.2	20	107	0
Dibenzo(a,h)anthracene	1.181	1.14	-	3.5	20	107	0
Benzo(ghi)perylene	1.164	1.123	-	3.5	20	110	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV106
 Lab File ID : AP90908
 Sample No : WG2111831-4
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/08/25 06:43
 Init. Calib. Date(s) : 08/27/25 08/28/25
 Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	129	0
Benzaldehyde	0.645	0.798	-	-23.7*	20	163	0
Acetophenone	1.905	1.787	-	6.2	20	123	0
m-Toluidine	1.123	1.398	-	-24.5*	20	149	0
2-Chloroaniline	1.724	1.694	-	1.7	20	125	0
IS2_Naphthalene-d8	1	1	-	0	20	129	0
a-Terpineol	0.267	0.255	-	4.5	20	124	0
3-Chloroaniline	0.114	0.119	-	-4.4	20	125	0
2,6-Dichlorophenol	0.285	0.293	-	-2.8	20	131	0
1-chloro-2-nitrobenzene	0.135	0.136	-	-0.7	20	129	0
Caprolactam	0.142	0.148	-	-4.2	20	129	0
1,2,4,5-Tetrachlorobenzene	0.373	0.335	-	10.2	20	119	0
Biphenyl	0.931	0.841	-	9.7	20	120	0
IS2_Acenaphthene-d10	1	1	-	0	20	128	0
Dichloran	0.158	0.155	-	1.9	20	123	0
Pentachloronitrobenzene	0.154	0.147	-	4.5	20	114	0
IS2_Phenanthrene-d10	1	1	-	0	20	126	0
Diphenamid	0.487	0.464	-	4.7	20	113	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV106
Lab File ID : ADP0908
Sample No : WG2111831-5
Channel :

Lab Number : L2555938
Project Number : 2232.0006Y005
Calibration Date : 09/08/25 07:04
Init. Calib. Date(s) : 08/27/25 08/28/25
Init. Calib. Times : 20:12 06:19

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	132	0
1,4-Dioxane	0.477	0.435	-	8.8	20	127	0
n-Decane	1.449	1.374	-	5.2	20	127	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.372	0.367	-	1.3	20	128	0
IS3_Phenanthrene-d10	1	1	-	0	20	129	0
n-Octadecane	0.48	0.464	-	3.3	20	122	0
Parathion	5	4.097	-	18.1	20	122	0
3,3'-Dimethylbenzidine	5	3.976	-	20.5*	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Lab File ID : ABN0911N
 Sample No : WG2113687-3
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/12/25 01:02
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	87	0
n-Nitrosodimethylamine	0.792	0.77	-	2.8	20	76	0
Pyridine	1.349	1.32	-	2.1	20	82	0
2-Fluorophenol	1.105	1.113	-	-0.7	20	78	0
Aniline	5	4.295	-	14.1	20	75	0
2-Chlorophenol	1.287	1.297	-	-0.8	20	76	0
Phenol-d6	1.428	1.435	-	-0.5	20	76	0
Phenol	1.581	1.687	-	-6.7	20	83	0
Bis(2-chloroethyl)ether	1.319	1.208	-	8.4	20	73	0
1,3-Dichlorobenzene	1.573	1.534	-	2.5	20	79	0
1,4-Dichlorobenzene	1.611	1.525	-	5.3	20	76	0
1,2-Dichlorobenzene	1.557	1.498	-	3.8	20	77	0
Benzyl alcohol	1.122	1.048	-	6.6	20	74	0
Bis(2-chloroisopropyl)ethe	2.148	1.81	-	15.7	20	67	0
2-Methylphenol	1.155	1.142	-	1.1	20	76	0
Hexachloroethane	0.596	0.554	-	7	20	75	0
n-Nitrosodi-n-propylamine	1.032	0.924	-	10.5	20	70	0
3-Methylphenol/4-Methylphe	1.27	1.255	-	1.2	20	77	0
Nitrobenzene-d5	1.354	1.333	-	1.6	20	76	0
Nitrobenzene	1.405	1.339	-	4.7	20	74	0
Isophorone	2.849	2.571	-	9.8	20	69	0
2-Nitrophenol	5	4.718	-	5.6	20	88	0
2,4-Dimethylphenol	1.51	1.349	-	10.7	20	71	0
Bis(2-chloroethoxy)methane	1.807	1.674	-	7.4	20	72	0
2,4-Dichlorophenol	1.335	1.271	-	4.8	20	75	0
1,2,4-Trichlorobenzene	1.539	1.476	-	4.1	20	78	0
IS1_Naphthalene-d8	1	1	-	0	20	84	0
Naphthalene	1.063	1.025	-	3.6	20	76	0
Benzoic Acid	5	4.193	-	16.1	20	68	0
4-Chloroaniline	0.144	0.138	-	4.2	20	73	0
Hexachlorobutadiene	0.253	0.227	-	10.3	20	71	0
p-Chloro-m-cresol	0.329	0.312	-	5.2	20	72	0
2-Methylnaphthalene	0.674	0.68	-	-0.9	20	78	0
1-Methylnaphthalene	0.269	0.245	-	8.9	20	73	0
Hexachlorocyclopentadiene	5	4.853	-	2.9	20	83	0
2,4,6-Trichlorophenol	5	4.587	-	8.3	20	80	0
2,4,5-Trichlorophenol	5	4.673	-	6.5	20	76	0
2-Fluorobiphenyl	0.927	0.933	-	-0.6	20	76	0
2-Chloronaphthalene	0.786	0.785	-	0.1	20	77	0
2-Nitroaniline	5	4.679	-	6.4	20	85	0
1,4-Dinitrobenzene	0.128	0.126	-	1.6	20	86	0
1,3-Dinitrobenzene	0.145	0.15	-	-3.4	20	91	0
Dimethyl phthalate	0.996	1.027	-	-3.1	20	76	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Lab File ID : ABN0911N
 Sample No : WG2113687-3
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/12/25 01:02
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.282	1.34	-	-4.5	20	76	0
2,6-Dinitrotoluene	5	4.73	-	5.4	20	82	0
1,2-Dinitrobenzene	0.094	0.098	-	-4.3	20	90	0
IS1_Acenaphthene-d10	1	1	-	0	20	87	0
3-Nitroaniline	5	4.647	-	7.1	20	82	0
Acenaphthene	1.102	1.051	-	4.6	20	77	0
2,4-Dinitrophenol	5	5.02	-	-0.4	20	93	0
Dibenzofuran	1.833	1.773	-	3.3	20	76	0
2,4-Dinitrotoluene	5	4.865	-	2.7	20	86	0
4-Nitrophenol	5	4.597	-	8.1	20	77	0
2,3,5,6-Tetrachlorophenol	5	4.623	-	7.5	20	81	0
2,3,4,6-Tetrachlorophenol	5	4.575	-	8.5	20	78	0
Diethyl phthalate	1.565	1.504	-	3.9	20	74	0
Fluorene	1.489	1.454	-	2.4	20	77	0
4-Chlorophenyl phenyl ethe	0.783	0.726	-	7.3	20	76	0
4-Nitroaniline	5	4.984	-	0.3	20	87	0
4,6-Dinitro-o-cresol	5	4.988	-	0.2	20	91	0
NDPA/DPA	1.246	1.252	-	-0.5	20	78	0
Azobenzene	1.371	1.281	-	6.6	20	69	0
2,4,6-Tribromophenol	0.254	0.26	-	-2.4	20	82	0
4-Bromophenyl phenyl ether	0.512	0.478	-	6.6	20	74	0
Hexachlorobenzene	0.607	0.554	-	8.7	20	76	0
Pentachlorophenol	5	4.636	-	7.3	20	84	0
IS1_Phenanthrene-d10	1	1	-	0	20	87	0
Phenanthrene	1.099	1.082	-	1.5	20	80	0
Anthracene	1.091	1.096	-	-0.5	20	78	0
Carbazole	0.993	1.021	-	-2.8	20	79	0
Di-n-butylphthalate	1.164	1.18	-	-1.4	20	75	0
Fluoranthene	1.329	1.408	-	-5.9	20	82	0
Benzidine	5	4.958	-	0.8	20	82	0
Pyrene	1.367	1.408	-	-3	20	78	0
4-Terphenyl-d14	1.068	1.063	-	0.5	20	78	0
Butyl benzyl phthalate	5	4.535	-	9.3	20	80	0
IS1_Chrysene-d12	1	1	-	0	20	89	0
Benzo(a)anthracene	1.308	1.275	-	2.5	20	80	0
3,3'-Dichlorobenzidine	0.473	0.497	-	-5.1	20	80	0
Chrysene	1.216	1.201	-	1.2	20	79	0
Bis(2-ethylhexyl)phthalate	5	4.42	-	11.6	20	77	0
Di-n-octylphthalate	5	4.103	-	17.9	20	76	0
Benzo(b)fluoranthene	1.283	1.316	-	-2.6	20	85	0
Benzo(k)fluoranthene	1.251	1.284	-	-2.6	20	78	0
Benzo(a)pyrene	1.188	1.228	-	-3.4	20	81	0
IS1_Perylene-d12	1	1	-	0	20	91	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Lab File ID : ABN0911N
 Sample No : WG2113687-3
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/12/25 01:02
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.105	1.172	-	-6.1	20	86	0
Dibenzo(a,h)anthracene	1.064	1.135	-	-6.7	20	85	0
Benzo(ghi)perylene	1.105	1.135	-	-2.7	20	84	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV112
 Lab File ID : AP90911N
 Sample No : WG2113687-4
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/12/25 01:24
 Init. Calib. Date(s) : 08/17/25 08/18/25
 Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	83	0
Benzaldehyde	0.597	0.694	-	-16.2	20	103	0
Acetophenone	1.98	1.708	-	13.7	20	76	0
m-Toluidine	1.191	1.241	-	-4.2	20	87	0
2-Chloroaniline	1.688	1.553	-	8	20	79	0
IS2_Naphthalene-d8	1	1	-	0	20	80	0
a-Terpineol	0.298	0.284	-	4.7	20	79	0
3-Chloroaniline	0.138	0.141	-	-2.2	20	83	0
2,6-Dichlorophenol	0.282	0.303	-	-7.4	20	84	0
1-chloro-2-nitrobenzene	0.137	0.141	-	-2.9	20	84	0
Caprolactam	0.177	0.171	-	3.4	20	79	0
1,2,4,5-Tetrachlorobenzene	0.443	0.415	-	6.3	20	79	0
Biphenyl	0.978	0.93	-	4.9	20	80	0
IS2_Acenaphthene-d10	1	1	-	0	20	85	0
Dichloran	0.179	0.198	-	-10.6	20	101	0
Pentachloronitrobenzene	0.205	0.205	-	0	20	90	0
IS2_Phenanthrene-d10	1	1	-	0	20	89	0
Diphenamid	0.494	0.491	-	0.6	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV112
Lab File ID : ADP0911N
Sample No : WG2113687-5
Channel :

Lab Number : L2555938
Project Number : 2232.0006Y005
Calibration Date : 09/12/25 01:47
Init. Calib. Date(s) : 08/17/25 08/18/25
Init. Calib. Times : 18:26 06:05

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
1,4-Dioxane	0.546	0.5	-	8.4	20	91	0
n-Decane	1.602	1.471	-	8.2	20	85	0
IS3_Acenaphthene-d10	1	1	-	0	20	82	0
Atrazine	0.463	0.471	-	-1.7	20	82	0
IS3_Phenanthrene-d10	1	1	-	0	20	82	0
n-Octadecane	0.496	0.415	-	16.3	20	70	0
Parathion	0.106	0.094	-	11.3	20	78	0
3,3'-Dimethylbenzidine	0.737	0.641	-	13	20	69	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250911NRVT\
 Data File : ABN0911n.D
 Acq On : 12 Sep 2025 01:02 am
 Operator : SV112:ljj
 Sample : WG2113687-3,32,,ABN RVT CCV Lot # 11823
 Misc : WG2113687,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 12 01:29:27 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 01:30:09 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
2 T	n-Nitrosodimethylamine	0.792	0.770	2.8	76	0.00
3 T	Pyridine	1.349	1.320	2.1	82	0.00
4 S	2-Fluorophenol	1.105	1.113	-0.7	78	0.00
5 T	Aniline	* 5.000	4.295	14.1	75	0.00
6 T	2-Chlorophenol	1.287	1.297	-0.8	76	0.00
7 S	Phenol-d6	1.428	1.435	-0.5	76	0.00
8 T	Phenol	1.581	1.687	-6.7	83	0.00
9 T	Bis(2-chloroethyl)ether	1.319	1.208	8.4	73	0.00
10 T	1,3-Dichlorobenzene	1.573	1.534	2.5	79	0.00
11 T	1,4-Dichlorobenzene	1.611	1.525	5.3	76	0.00
12 T	1,2-Dichlorobenzene	1.557	1.498	3.8	77	0.00
13 T	Benzyl alcohol	1.122	1.048	6.6	74	0.00
14 T	Bis(2-chloroisopropyl)ether	2.148	1.810	15.7	67	0.00
15 T	2-Methylphenol	1.155	1.142	1.1	76	0.00
16 T	Hexachloroethane	0.596	0.554	7.0	75	0.00
17 T	n-Nitrosodi-n-propylamine	1.032	0.924	10.5	70	0.00
18 T	3-Methylphenol/4-Methylphen	1.270	1.255	1.2	77	0.00
19 S	Nitrobenzene-d5	1.354	1.333	1.6	76	0.00
20 T	Nitrobenzene	1.405	1.339	4.7	74	0.00
21 T	Isophorone	2.849	2.571	9.8	69	0.00
22 T	2-Nitrophenol	* 5.000	4.718	5.6	88	0.00
23 T	2,4-Dimethylphenol	1.510	1.349	10.7	71	0.00
24 T	Bis(2-chloroethoxy)methane	1.807	1.674	7.4	72	0.00
25 T	2,4-Dichlorophenol	1.335	1.271	4.8	75	0.00
26 T	1,2,4-Trichlorobenzene	1.539	1.476	4.1	78	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	84	0.00
36 T	Naphthalene	1.063	1.025	3.6	76	0.00
37 T	Benzoic Acid	* 5.000	4.193	16.1	68	0.00
38 T	4-Chloroaniline	0.144	0.138	4.2	73	0.00
39 T	Hexachlorobutadiene	0.253	0.227	10.3	71	0.00
40 T	p-Chloro-m-cresol	0.329	0.312	5.2	72	0.00
41 T	2-Methylnaphthalene	0.674	0.680	-0.9	78	0.00
42 T	1-Methylnaphthalene	0.269	0.245	8.9	73	0.00
43 T	Hexachlorocyclopentadiene	* 5.000	4.853	2.9	83	0.00
44 T	2,4,6-Trichlorophenol	* 5.000	4.587	8.3	80	0.00
45 T	2,4,5-Trichlorophenol	* 5.000	4.673	6.5	76	0.00
46 S	2-Fluorobiphenyl	0.927	0.933	-0.6	76	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250911NRVT\
 Data File : ABN0911n.D
 Acq On : 12 Sep 2025 01:02 am
 Operator : SV112:ljj
 Sample : WG2113687-3,32,,ABN RVT CCV Lot # 11823
 Misc : WG2113687,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 12 01:29:27 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 01:30:09 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene		0.786	0.785	0.1	77	0.00
48 T	2-Nitroaniline	*	5.000	4.679	6.4	85	0.00
49 T	1,4-Dinitrobenzene		0.128	0.126	1.6	86	0.00
50 T	1,3-Dinitrobenzene		0.145	0.150	-3.4	91	0.00
51 T	Dimethyl phthalate		0.996	1.027	-3.1	76	0.00
52 T	Acenaphthylene		1.282	1.340	-4.5	76	0.00
53 T	2,6-Dinitrotoluene	*	5.000	4.730	5.4	82	0.00
54 T	1,2-Dinitrobenzene		0.094	0.098	-4.3	90	0.00
63 I	IS1_Acenaphthene-d10		1.000	1.000	0.0	87	0.00
64 T	3-Nitroaniline	*	5.000	4.647	7.1	82	0.00
65 T	Acenaphthene		1.102	1.051	4.6	77	0.00
66 T	2,4-Dinitrophenol	*	5.000	5.020	-0.4	93	0.00
67 T	Dibenzofuran		1.833	1.773	3.3	76	0.00
68 T	2,4-Dinitrotoluene	*	5.000	4.865	2.7	86	0.00
69 T	4-Nitrophenol	*	5.000	4.597	8.1	77	0.00
70 T	2,3,5,6-Tetrachlorophenol	*	5.000	4.623	7.5	81	0.00
71 T	2,3,4,6-Tetrachlorophenol	*	5.000	4.575	8.5	78	0.00
72 T	Diethyl phthalate		1.565	1.504	3.9	74	0.00
73 T	Fluorene		1.489	1.454	2.4	77	0.00
74 T	4-Chlorophenyl phenyl ether		0.783	0.726	7.3	76	0.00
75 T	4-Nitroaniline	*	5.000	4.984	0.3	87	0.00
76 T	4,6-Dinitro-o-cresol	*	5.000	4.988	0.2	91	0.00
77 T	NDPA/DPA		1.246	1.252	-0.5	78	0.00
78 T	Azobenzene		1.371	1.281	6.6	69	0.00
79 S	2,4,6-Tribromophenol		0.254	0.260	-2.4	82	0.00
80 T	4-Bromophenyl phenyl ether		0.512	0.478	6.6	74	0.00
81 T	Hexachlorobenzene		0.607	0.554	8.7	76	0.00
82 T	Pentachlorophenol	*	5.000	4.636	7.3	84	0.00
88 I	IS1_Phenanthrene-d10		1.000	1.000	0.0	87	0.00
89 T	Phenanthrene		1.099	1.082	1.5	80	0.00
90 T	Anthracene		1.091	1.096	-0.5	78	0.00
91 T	Carbazole		0.993	1.021	-2.8	79	0.00
92 T	Di-n-butylphthalate		1.164	1.180	-1.4	75	0.00
93 T	Fluoranthene		1.329	1.408	-5.9	82	0.00
94 T	Benzidine	*	5.000	4.958	0.8	82	0.00
95 T	Pyrene		1.367	1.408	-3.0	78	0.00
96 S	4-Terphenyl-d14		1.068	1.063	0.5	78	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250911NRVT\
 Data File : ABN0911n.D
 Acq On : 12 Sep 2025 01:02 am
 Operator : SV112:ljj
 Sample : WG2113687-3,32,,ABN RVT CCV Lot # 11823
 Misc : WG2113687,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 12 01:29:27 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 01:30:09 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	*	5.000	4.535	9.3	80	0.00
104 I	IS1_Chrysene-d12		1.000	1.000	0.0	89	0.00
105 T	Benzo(a)anthracene		1.308	1.275	2.5	80	0.00
106 T	3,3'-Dichlorobenzidine		0.473	0.497	-5.1	80	0.00
107 T	Chrysene		1.216	1.201	1.2	79	0.00
108 T	Bis(2-ethylhexyl)phthalate	*	5.000	4.420	11.6	77	0.00
109 T	Di-n-octylphthalate	*	5.000	4.103	17.9	76	0.00
110 T	Benzo(b)fluoranthene		1.283	1.316	-2.6	85	0.00
111 T	Benzo(k)fluoranthene		1.251	1.284	-2.6	78	0.00
112 T	Benzo(a)pyrene		1.188	1.228	-3.4	81	0.00
113 I	IS1_Perylene-d12		1.000	1.000	0.0	91	0.00
114 T	Indeno(1,2,3-cd)pyrene		1.105	1.172	-6.1	86	0.00
115 T	Dibenzo(a,h)anthracene		1.064	1.135	-6.7	85	0.00
116 T	Benzo(ghi)perylene		1.105	1.135	-2.7	84	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : ABN0911n.D
 Acq On : 12 Sep 2025 01:02 am
 Operator : SV112:ljj
 Sample : WG2113687-3,32,,ABN RVT CCV Lot # 11823
 Misc : WG2113687,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 12 01:29:27 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 01:30:09 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.675	152	16261	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	5.904	136	64475	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	7.604	164	44834	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	9.028	188	98025	4.000	ug/ml	# 0.00
104) IS1_Chrysene-d12	11.651	240	110763	4.000	ug/ml	# 0.00
113) IS1_Perylene-d12	13.104	264	123361	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.405	112	22629	5.038	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	251.90%#	
7) Phenol-d6	4.352	99	29163	5.024	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	251.20%#	
19) Nitrobenzene-d5	5.210	82	27102	4.925	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	492.50%#	
46) 2-Fluorobiphenyl	6.975	172	75184	5.031	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	503.10%#	
79) 2,4,6-Tribromophenol	8.363	330	14552	5.104	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	255.20%#	
96) 4-Terphenyl-d14	10.604	244	130209	4.976	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	497.60%#	
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.005	74	15652	4.862	ug/ml	97
3) Pyridine	2.052	79	26829	4.891	ug/ml	99
5) Aniline	4.357	93	39384	4.295	ug/ml#	47
6) 2-Chlorophenol	4.469	128	26362	5.038	ug/ml	99
8) Phenol	4.363	94	34297	5.336	ug/ml#	42
9) Bis(2-chloroethyl)ether	4.434	93	24546	4.577	ug/ml	94
10) 1,3-Dichlorobenzene	4.616	146	31185	4.875	ug/ml	97
11) 1,4-Dichlorobenzene	4.693	146	30994	4.733	ug/ml	95
12) 1,2-Dichlorobenzene	4.840	146	30444	4.811	ug/ml	96
13) Benzyl alcohol	4.822	79	21301	4.672	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.975	45	36781	4.212	ug/ml#	71
15) 2-Methylphenol	4.957	108	23221	4.946	ug/ml	97
16) Hexachloroethane	5.163	117	11265	4.649	ug/ml#	62
17) n-Nitrosodi-n-propylamine	5.093	70	18778	4.475	ug/ml	99
18) 3-Methylphenol/4-Methy...	5.110	108	25504	4.938	ug/ml	95
20) Nitrobenzene	5.228	77	27212	4.764	ug/ml	99
21) Isophorone	5.475	82	52250	4.511	ug/ml	99
22) 2-Nitrophenol	5.546	139	14634	4.718	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : ABN0911n.D
 Acq On : 12 Sep 2025 01:02 am
 Operator : SV112:ljj
 Sample : WG2113687-3,32,,ABN RVT CCV Lot # 11823
 Misc : WG2113687,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 12 01:29:27 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 01:30:09 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	5.622	107	27414	4.467	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.704	93	34032	4.632	ug/ml	100
25)	2,4-Dichlorophenol	5.787	162	25829	4.760	ug/ml	94
26)	1,2,4-Trichlorobenzene	5.863	180	29996	4.796	ug/ml	96
36)	Naphthalene	5.928	128	82604	4.822	ug/ml	100
37)	Benzoic Acid	5.693	105	14470	4.193	ug/ml	98
38)	4-Chloroaniline	5.993	65	11110	4.787	ug/ml	98
39)	Hexachlorobutadiene	6.081	225	18269	4.479	ug/ml	98
40)	p-Chloro-m-cresol	6.487	107	25178	4.750	ug/ml	94
41)	2-Methylnaphthalene	6.604	142	54782	5.046	ug/ml	97
42)	1-Methylnaphthalene	6.693	115	19745	4.547	ug/ml	91
43)	Hexachlorocyclopentadiene	6.775	237	26242	4.853	ug/ml	98
44)	2,4,6-Trichlorophenol	6.887	196	23255	4.587	ug/ml	99
45)	2,4,5-Trichlorophenol	6.916	196	24883M3	4.673	ug/ml	
47)	2-Chloronaphthalene	7.069	162	63278	4.996	ug/ml	94
48)	2-Nitroaniline	7.175	138	19562	4.679	ug/ml	98
49)	1,4-Dinitrobenzene	7.304	168	10115	4.900	ug/ml	87
50)	1,3-Dinitrobenzene	7.381	168	12103	5.176	ug/ml	79
51)	Dimethyl phthalate	7.375	163	82803	5.155	ug/ml	100
52)	Acenaphthylene	7.463	152	107970	5.225	ug/ml	99
53)	2,6-Dinitrotoluene	7.422	165	17340	4.730	ug/ml	88
54)	1,2-Dinitrobenzene	7.457	168	7889	5.222	ug/ml#	1
64)	3-Nitroaniline	7.575	138	18886	4.647	ug/ml	94
65)	Acenaphthene	7.634	154	58916	4.769	ug/ml	97
66)	2,4-Dinitrophenol	7.675	184	10512	5.020	ug/ml#	85
67)	Dibenzofuran	7.804	168	99344	4.834	ug/ml	92
68)	2,4-Dinitrotoluene	7.804	165	25051	4.865	ug/ml	86
69)	4-Nitrophenol	7.757	65	15830	4.597	ug/ml	97
70)	2,3,5,6-Tetrachlorophenol	7.893	232	23728M3	4.623	ug/ml	
71)	2,3,4,6-Tetrachlorophenol	7.934	232	23314	4.575	ug/ml	98
72)	Diethyl phthalate	8.063	149	84265	4.805	ug/ml	96
73)	Fluorene	8.134	166	81500	4.882	ug/ml	97
74)	4-Chlorophenyl phenyl ...	8.151	204	40700	4.637	ug/ml#	83
75)	4-Nitroaniline	8.157	138	20046	4.984	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.193	198	15243	4.988	ug/ml#	80
77)	NDPA/DPA	8.263	169	70162	5.026	ug/ml	95
78)	Azobenzene	8.298	77	71766	4.671	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.616	248	26814	4.671	ug/ml#	83
81)	Hexachlorobenzene	8.669	284	31069	4.569	ug/ml#	85
82)	Pentachlorophenol	8.863	266	19092	4.636	ug/ml	97
89)	Phenanthrene	9.051	178	132596M3	4.923	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : ABN0911n.D
 Acq On : 12 Sep 2025 01:02 am
 Operator : SV112:ljj
 Sample : WG2113687-3,32,,ABN RVT CCV Lot # 11823
 Misc : WG2113687,,ical22560
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 12 01:29:27 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 01:30:09 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

90)	Anthracene	9.098	178	134323	5.023	ug/ml	99
91)	Carbazole	9.263	167	125132	5.140	ug/ml	99
92)	Di-n-butylphthalate	9.657	149	144612	5.071	ug/ml	99
93)	Fluoranthene	10.410	202	172527	5.295	ug/ml	97
94)	Benzydine	10.351	184	104079	4.958	ug/ml#	96
95)	Pyrene	10.410	202	172527	5.149	ug/ml	98
97)	Butyl benzyl phthalate	11.122	149	64828	4.535	ug/ml#	91
105)	Benzo(a)anthracene	11.639	228	176494M3	4.873	ug/ml	
106)	3,3'-Dichlorobenzidine	11.639	252	68870	5.254	ug/ml#	97
107)	Chrysene	11.675	228	166349	4.941	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.757	149	99723	4.420	ug/ml#	97
109)	Di-n-octylphthalate	12.434	149	164923	4.103	ug/ml	98
110)	Benzo(b)fluoranthene	12.739	252	182144	5.125	ug/ml#	96
111)	Benzo(k)fluoranthene	12.763	252	177717M3	5.130	ug/ml	
112)	Benzo(a)pyrene	13.051	252	170083	5.170	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.075	276	180746M6	5.306	ug/mL	
115)	Dibenzo(a,h)anthracene	14.098	278	175012	5.332	ug/ml#	92
116)	Benzo(ghi)perylene	14.322	276	174964	5.134	ug/ml#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

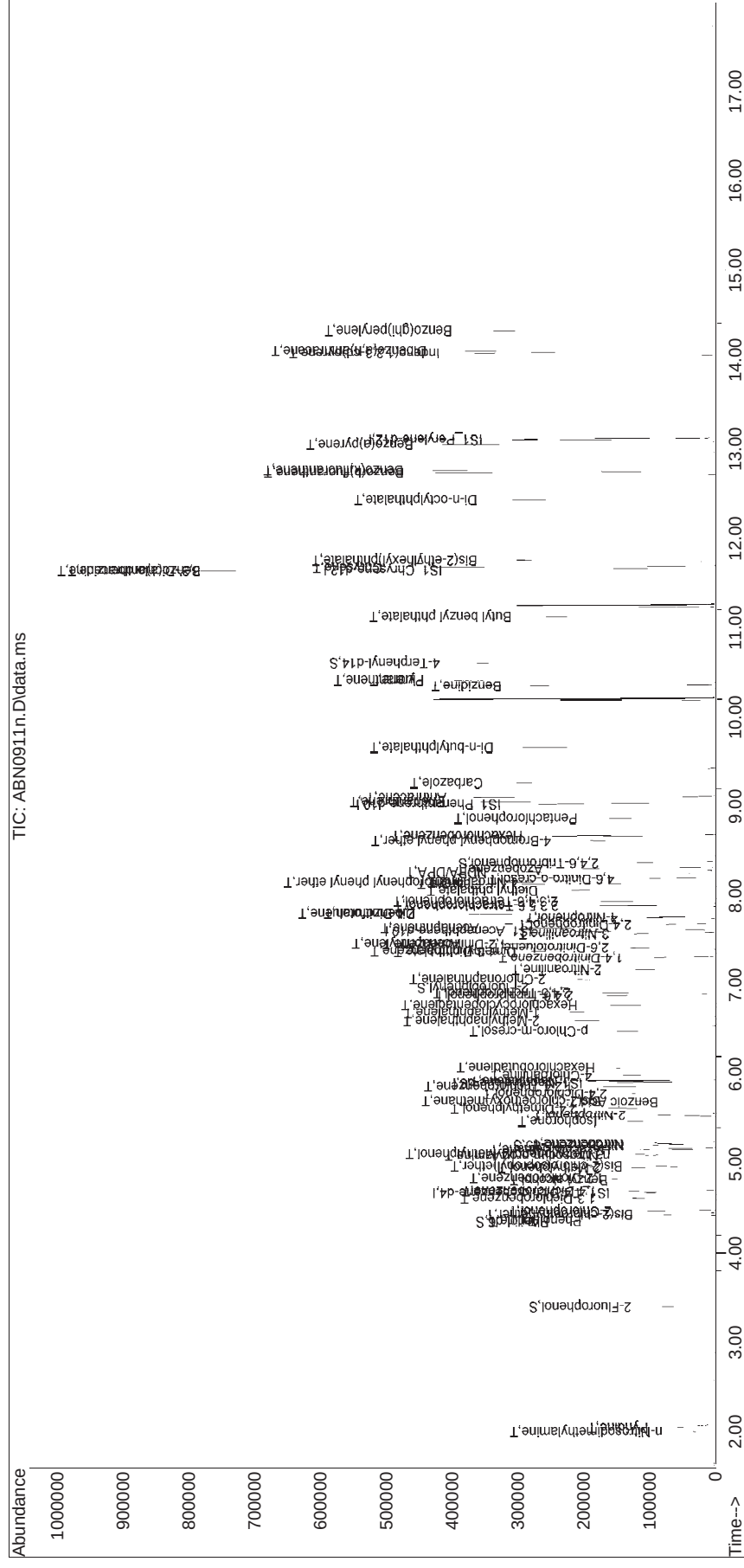
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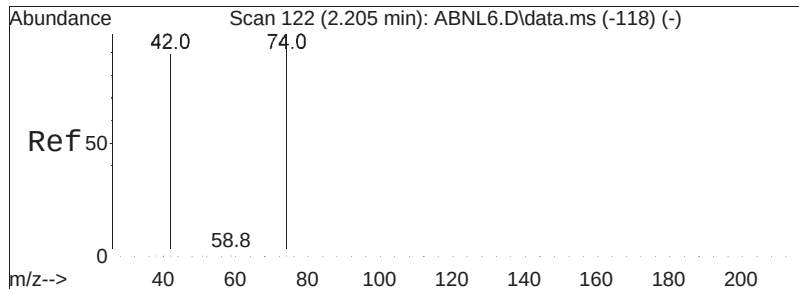
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Data File     : ABN0911n.D
Acq On        : 12 Sep 2025  01:02 am
Operator      : SV112:ljj
Sample        : WG2113687-3,32,,ABN RVT C
Misc          : WG2113687,,ical22560
ALS Vial      : 142 Sample Multiplier:

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Quant Time: Sep 12 01:29:27 2025
Quant Method : I:\8270\SV112\250911NRVT\F250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Fri Sep 12 01:30:09 2025
Response via : Initial Calibration

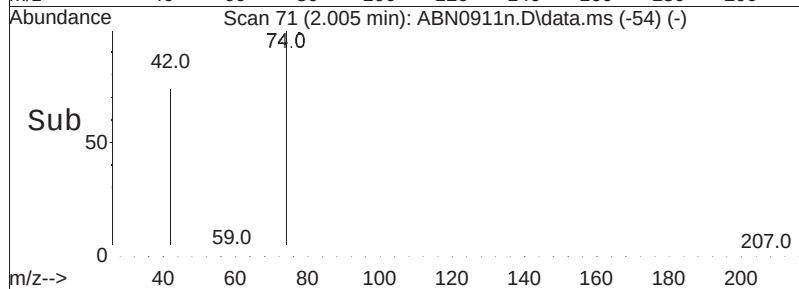
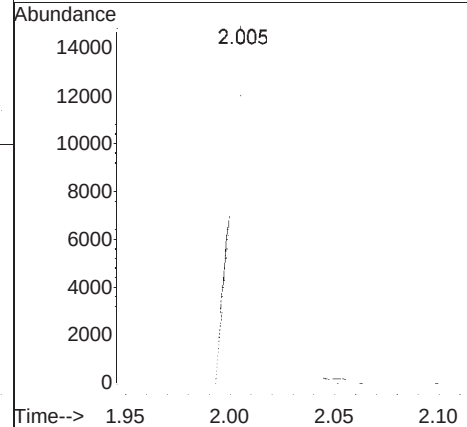
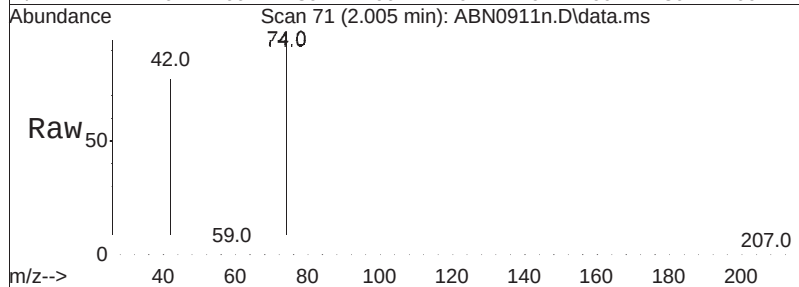
Sub List : ABNical - ABNical sublist

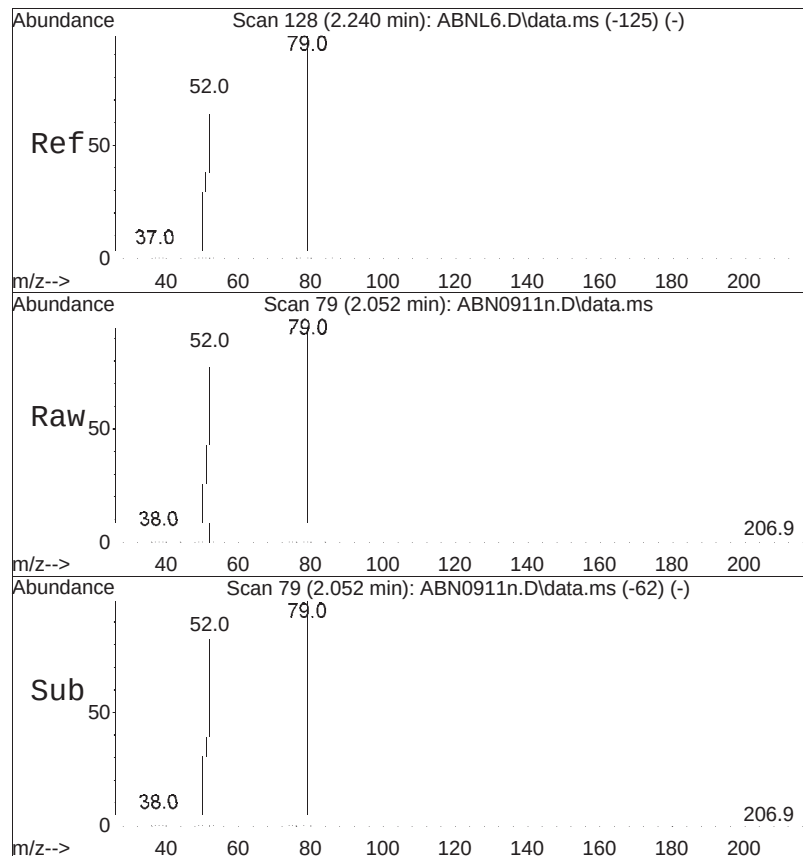




#2
 n-Nitrosodimethylamine
 Concen: 4.86 ug/ml
 RT: 2.005 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

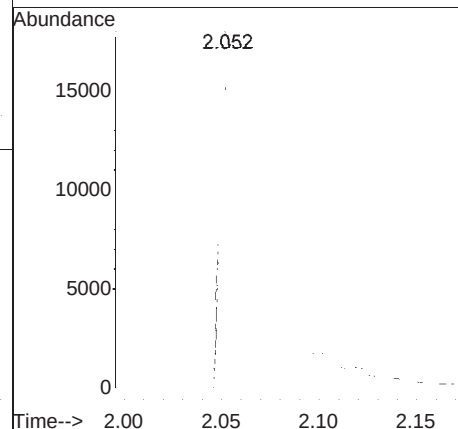
Tgt Ion: 74 Resp: 15652
 Ion Ratio Lower Upper
 74 100
 42 83.0 63.8 95.8
 44 5.5 4.3 6.5

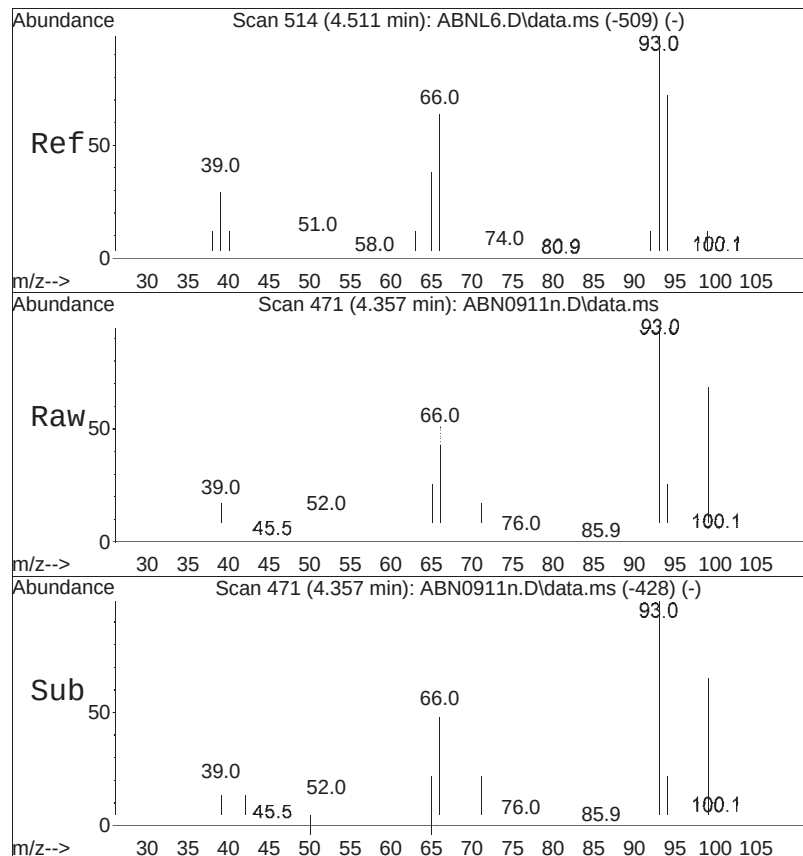




#3
 Pyridine
 Concen: 4.89 ug/ml
 RT: 2.052 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

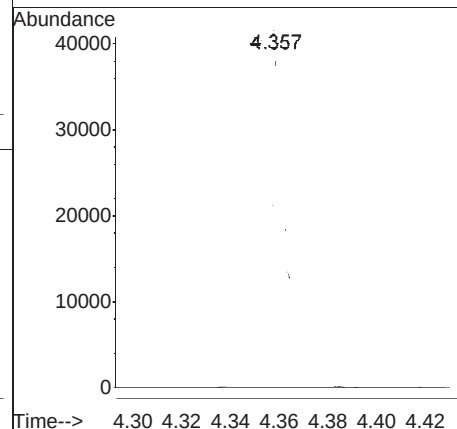
Tgt Ion	Ratio	Lower	Upper
79	100		
52	81.4	64.6	96.8

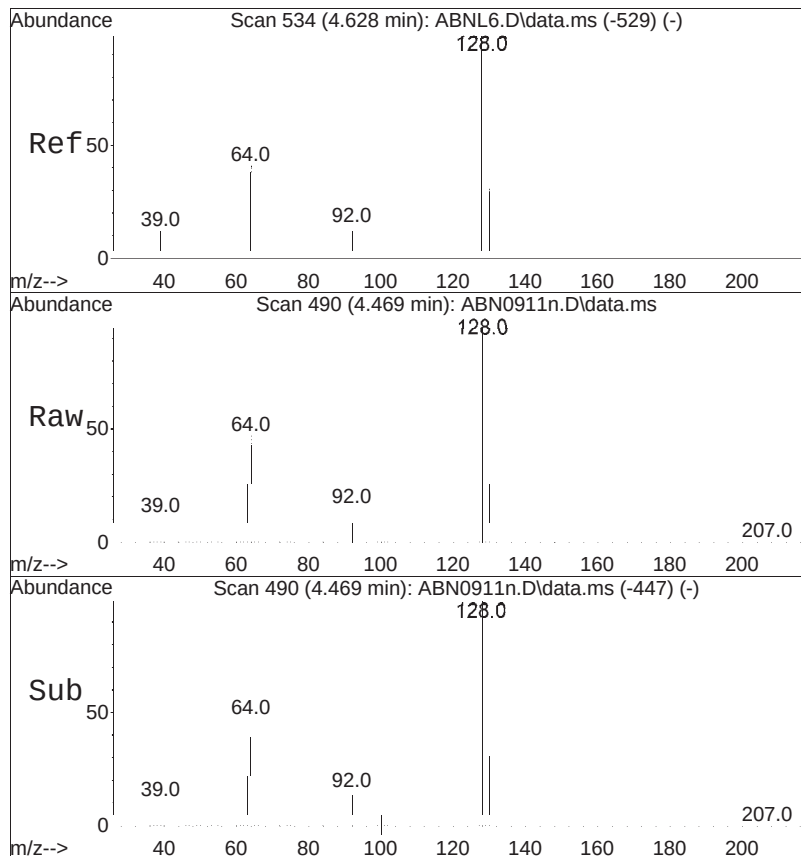




#5
 Aniline
 Concen: 4.29 ug/ml
 RT: 4.357 min Scan# 471
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

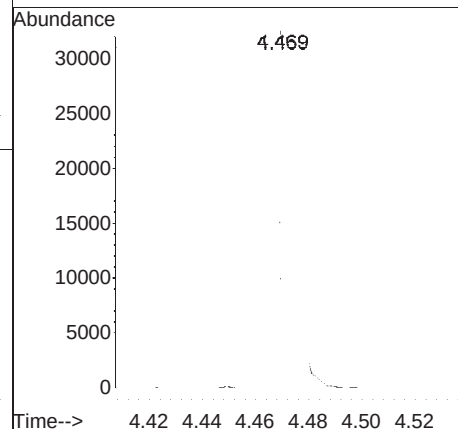
Tgt Ion:	93	Resp:	39384
Ion Ratio	Lower	Upper	
93	100		
66	71.3	31.3	46.9#
65	45.8	16.6	25.0#

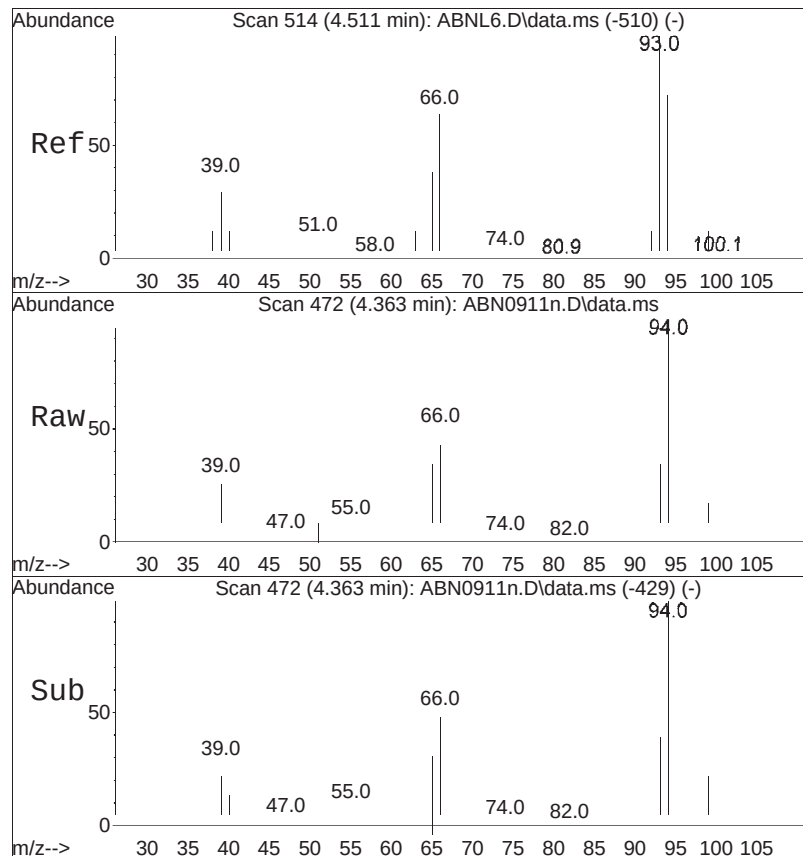




#6
 2-Chlorophenol
 Concen: 5.04 ug/ml
 RT: 4.469 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

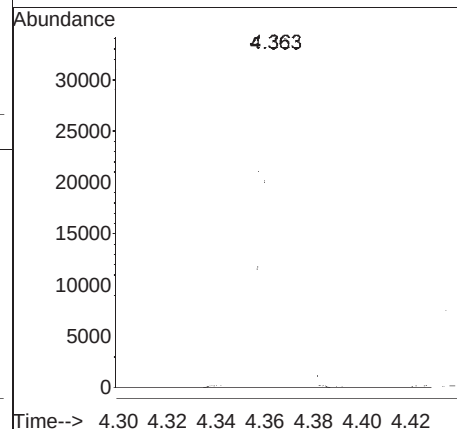
Tgt Ion:	128	Resp:	26362
Ion Ratio	Lower	Upper	
128	100		
64	47.8	38.2	57.4
130	32.0	26.2	39.2

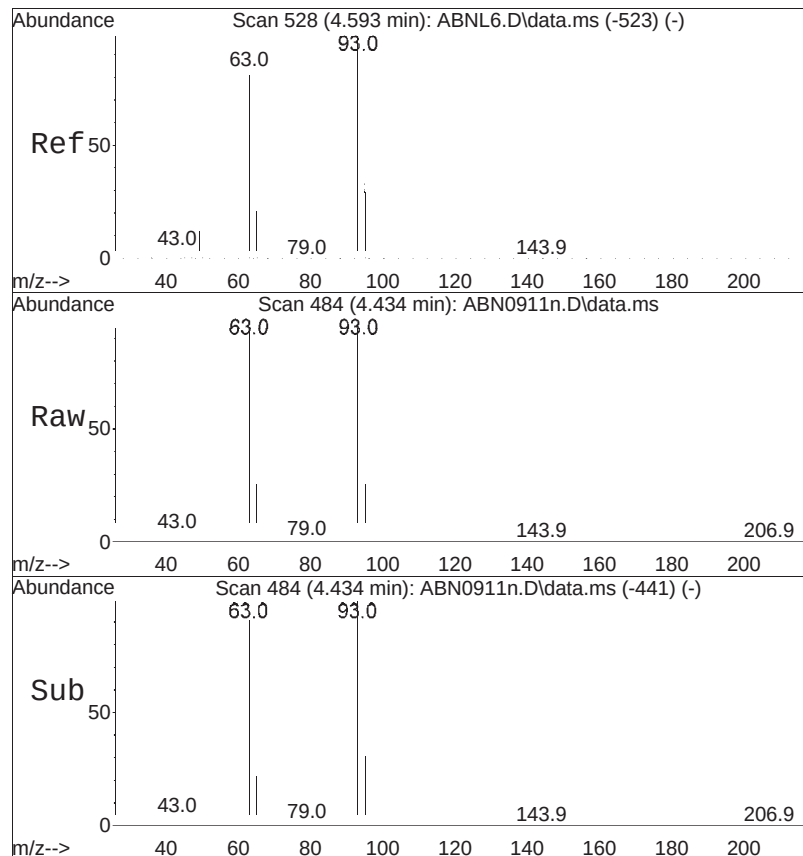




#8
 Phenol
 Concen: 5.34 ug/ml
 RT: 4.363 min Scan# 472
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

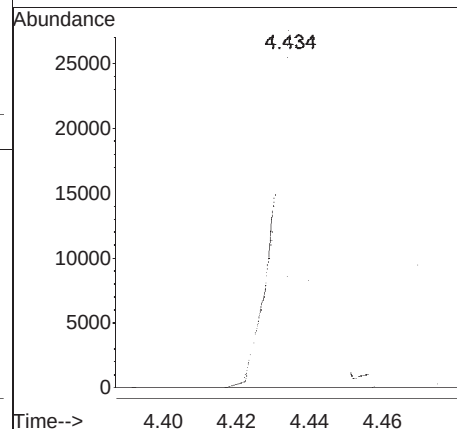
Tgt Ion:	94	Resp:	34297
Ion Ratio	Lower	Upper	
94	100		
65	52.6	23.0	34.6#
66	81.9	32.1	48.1#

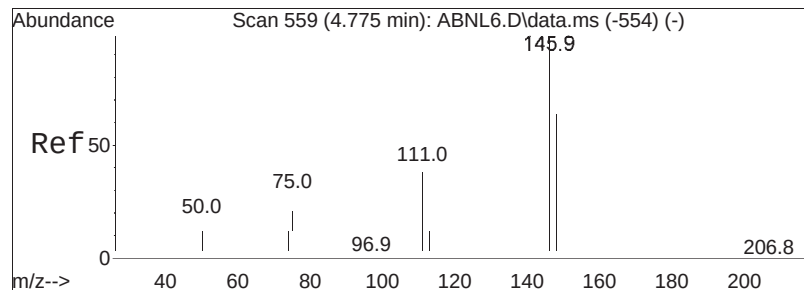




#9
 Bis(2-chloroethyl)ether
 Concen: 4.58 ug/ml
 RT: 4.434 min Scan# 484
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

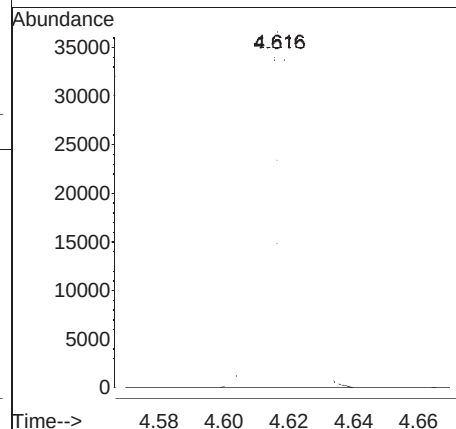
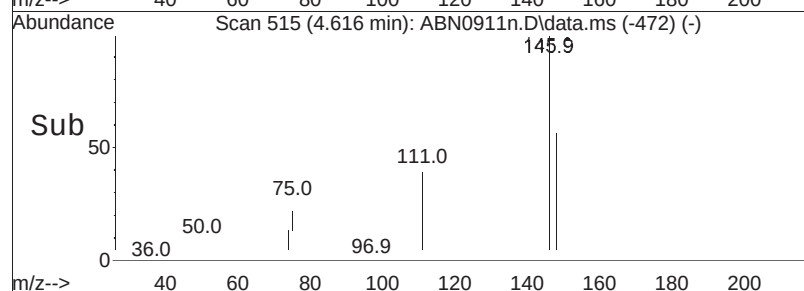
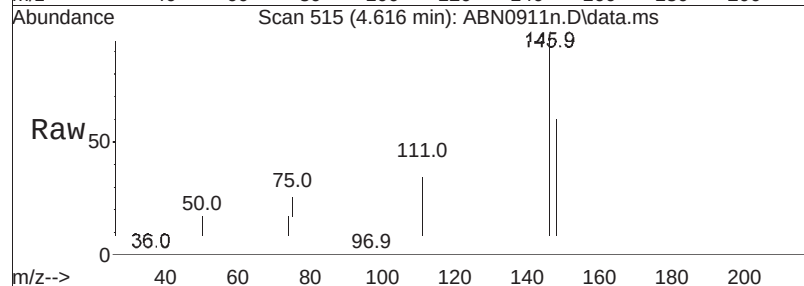
Tgt Ion	Ratio	Lower	Upper
93	100		
63	90.7	67.0	100.4
95	31.9	26.1	39.1

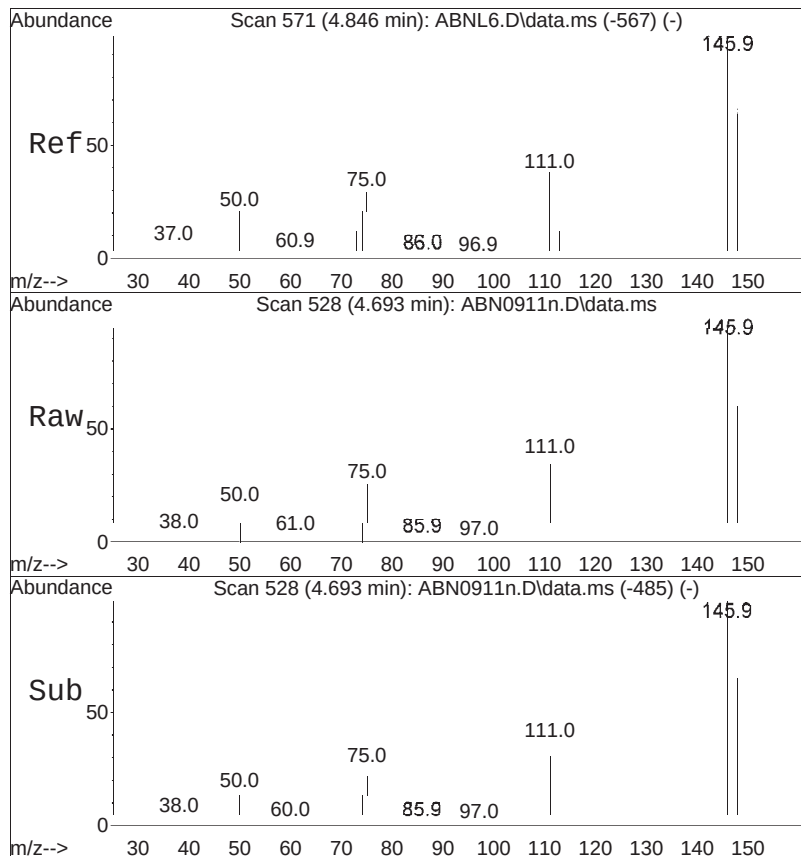




#10
 1,3-Dichlorobenzene
 Concen: 4.88 ug/ml
 RT: 4.616 min Scan# 515
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

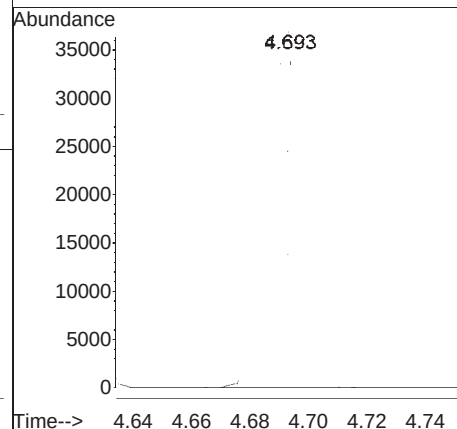
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	35.0	52.4
148	64.4	51.3	76.9

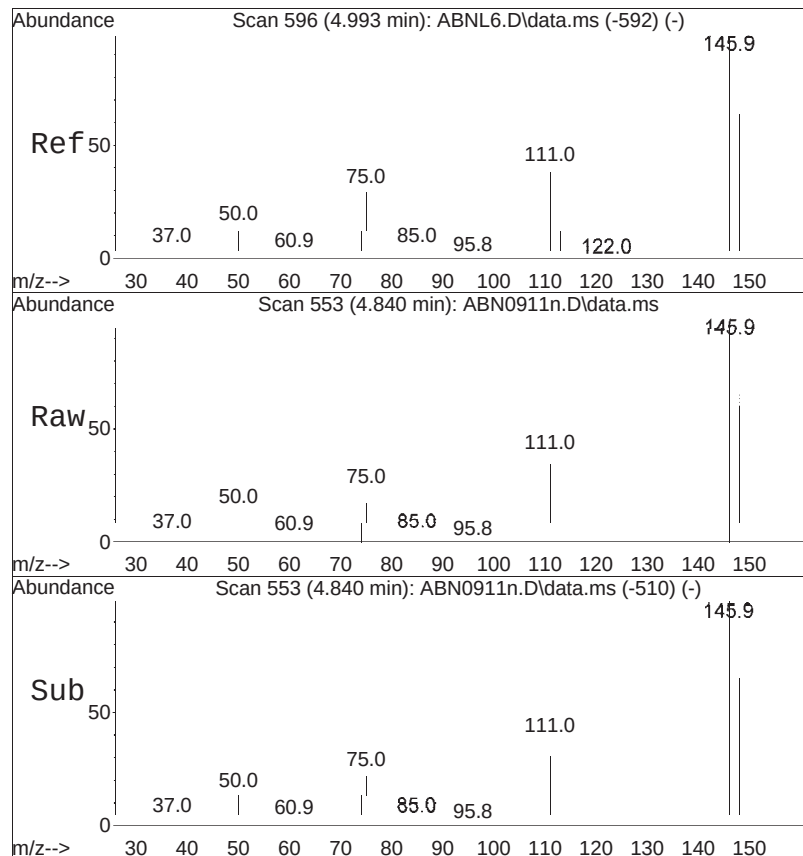




#11
 1,4-Dichlorobenzene
 Concen: 4.73 ug/ml
 RT: 4.693 min Scan# 528
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

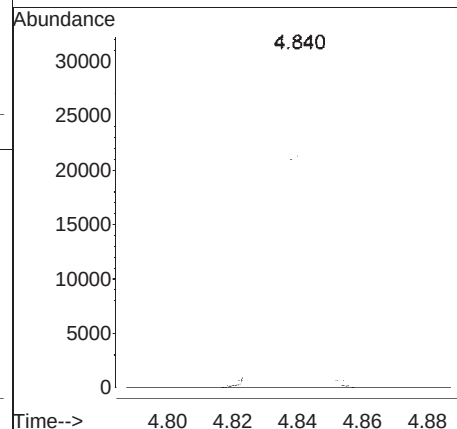
Tgt Ion:	146	Resp:	30994
Ion Ratio	Lower	Upper	
146	100		
148	67.0	51.1	76.7
111	38.9	34.4	51.6

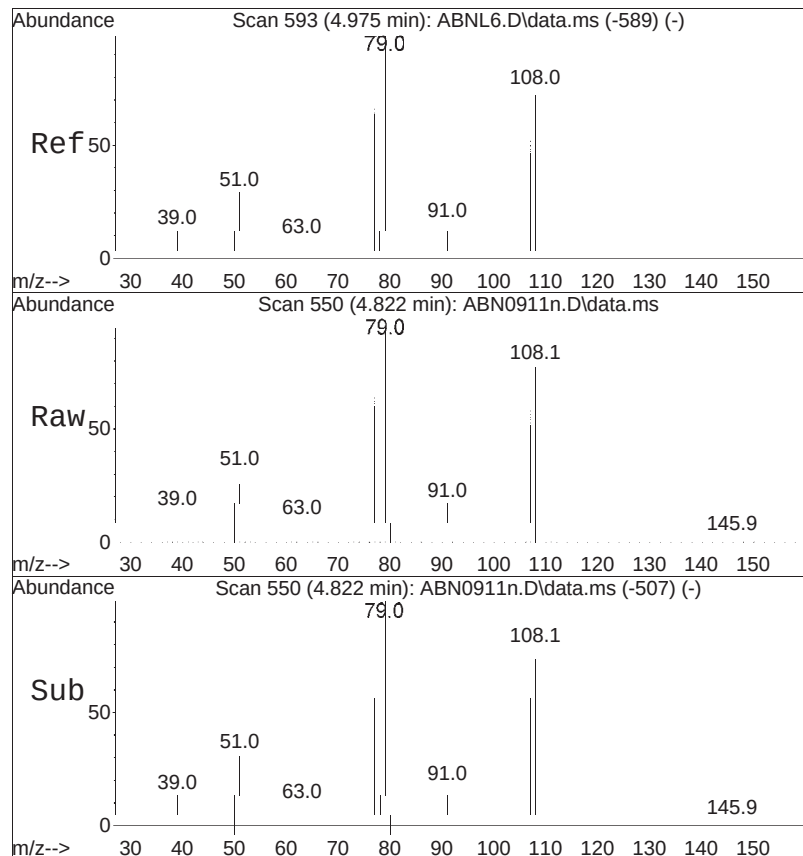




#12
 1,2-Dichlorobenzene
 Concen: 4.81 ug/ml
 RT: 4.840 min Scan# 553
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

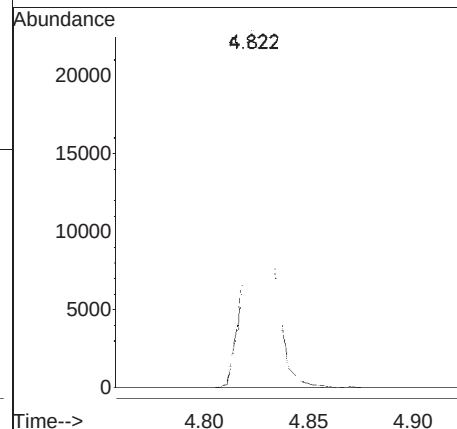
Tgt Ion:	146	Resp:	30444
Ion Ratio	Lower	Upper	
146	100		
111	39.5	35.5	53.3
148	64.1	50.6	76.0

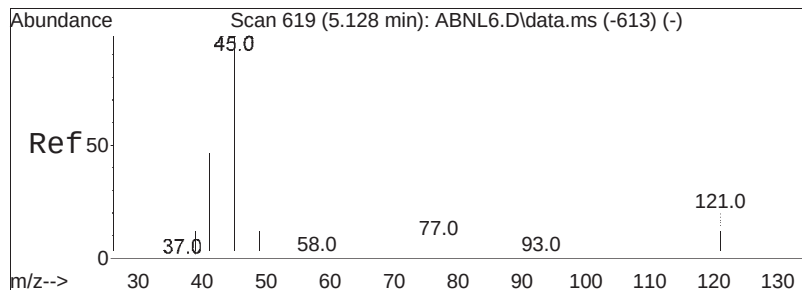




#13
 Benzyl alcohol
 Concen: 4.67 ug/ml
 RT: 4.822 min Scan# 550
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

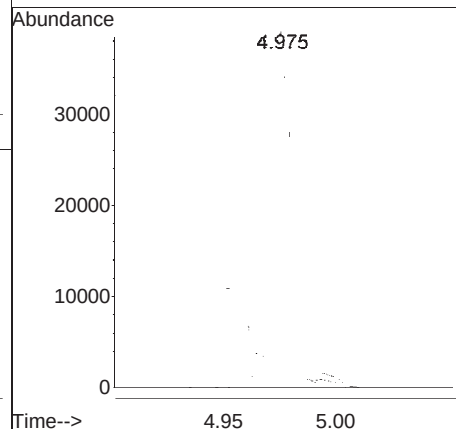
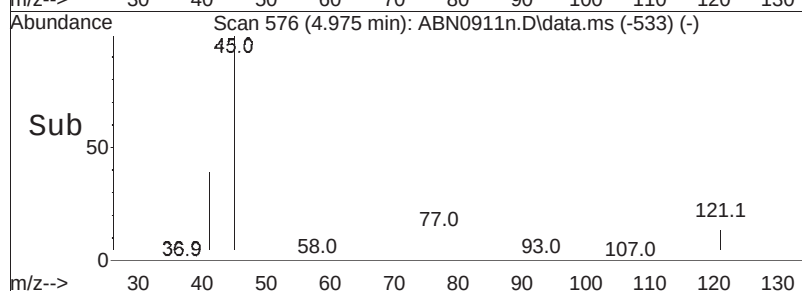
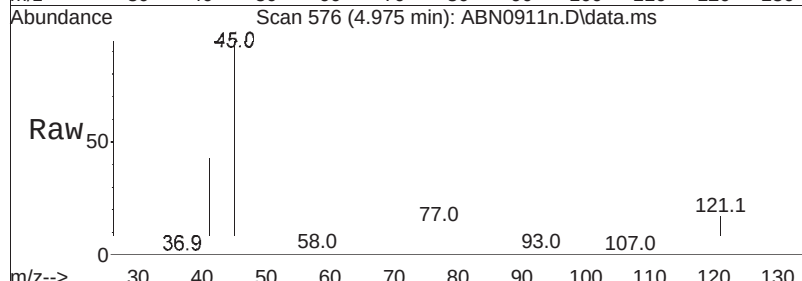
Tgt Ion:	79	Resp:	21301
Ion Ratio	Lower	Upper	
79	100		
77	64.7	51.8	77.6
108	81.6	63.9	95.9

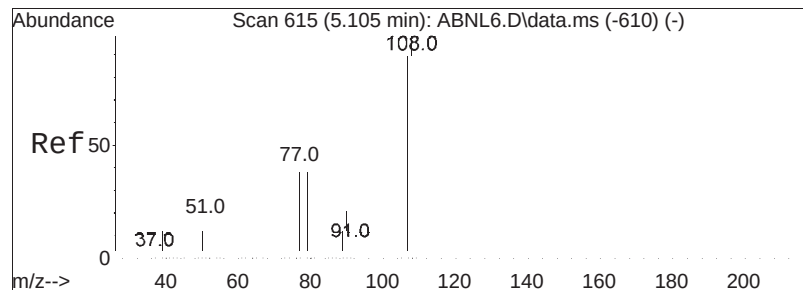




#14
 Bis(2-chloroisopropyl)ether
 Concen: 4.21 ug/ml
 RT: 4.975 min Scan# 576
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

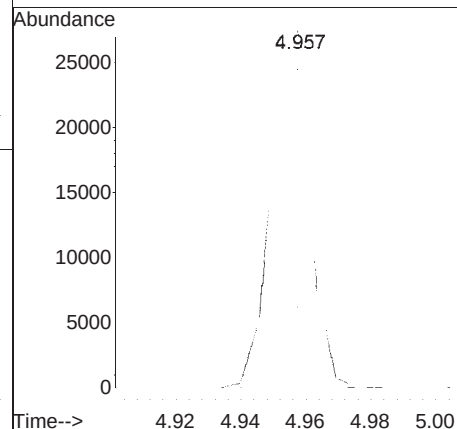
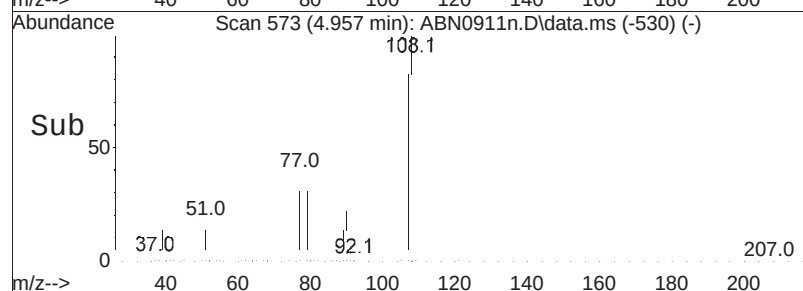
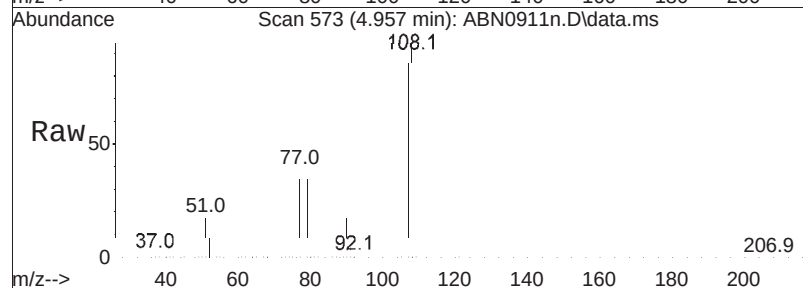
Tgt Ion:	45	Resp:	36781
Ion Ratio	Lower	Upper	
45	100		
121	18.2	14.8	22.2
77	40.8	10.5	15.7#

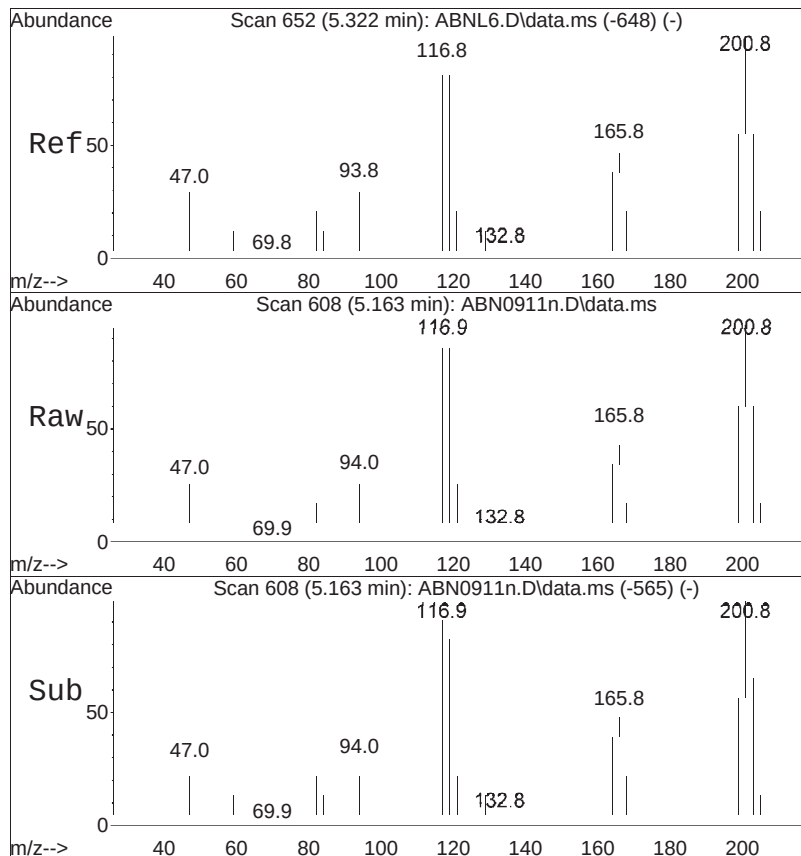




#15
 2-Methylphenol
 Concen: 4.95 ug/ml
 RT: 4.957 min Scan# 573
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

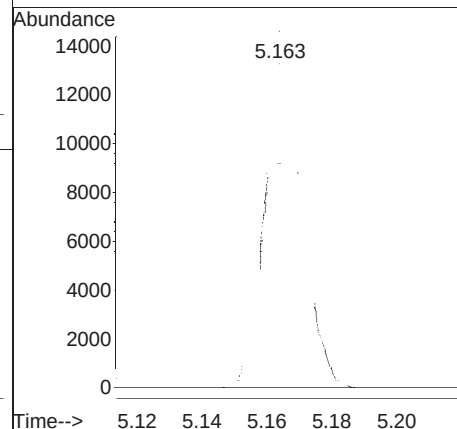
Tgt Ion:	108	Resp:	23221
Ion Ratio	Lower	Upper	
108	100		
107	92.3	71.0	106.4
90	24.3	19.7	29.5

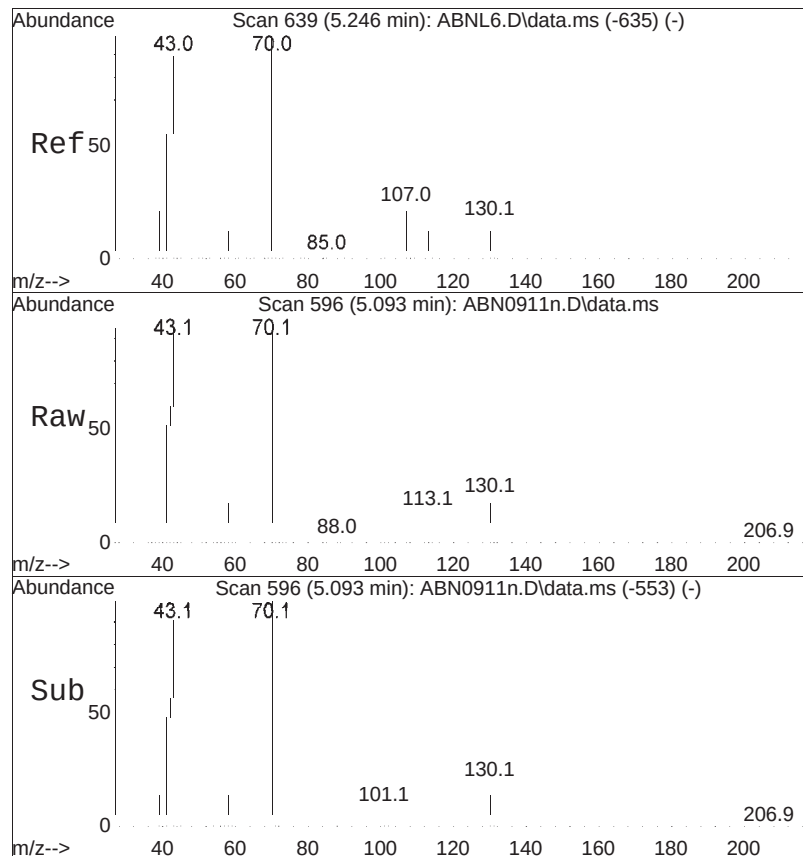




#16
 Hexachloroethane
 Concen: 4.65 ug/ml
 RT: 5.163 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

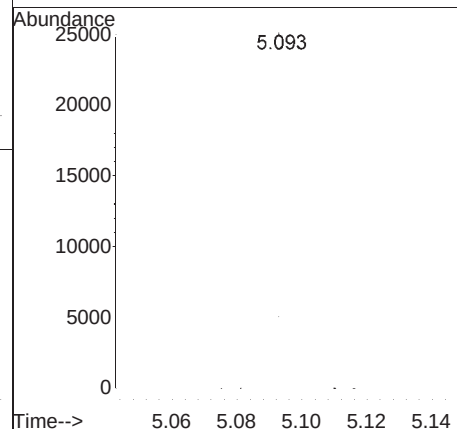
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11265		
201	116.0	64.4	96.6#	
199	74.9	40.5	60.7#	

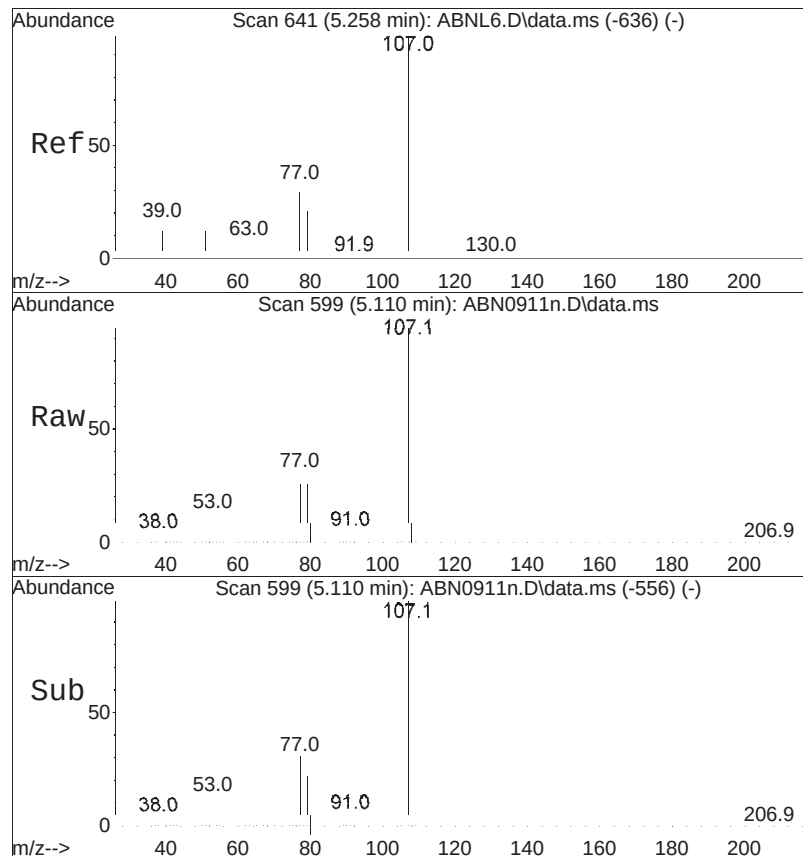




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.47 ug/ml
 RT: 5.093 min Scan# 596
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

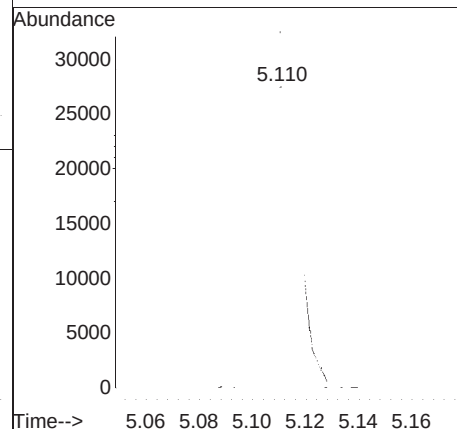
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Ion Ratio	Lower	Upper	
70	100		
130	20.1	16.2	24.4
101	9.0	7.6	11.4

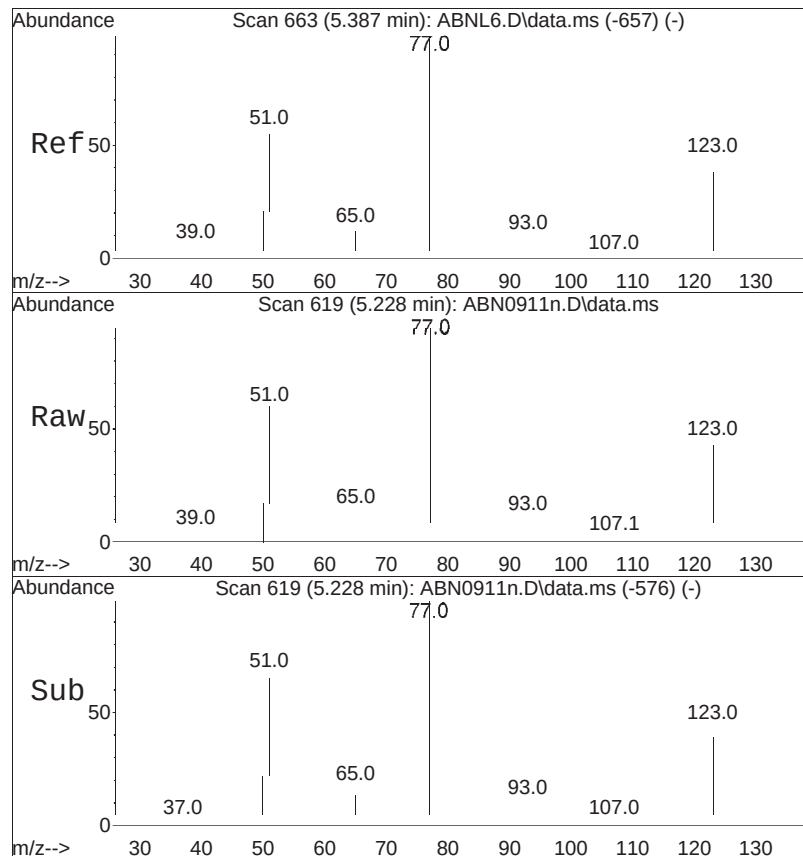




#18
 3-Methylphenol/4-Methylphenol
 Concen: 4.94 ug/ml
 RT: 5.110 min Scan# 599
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

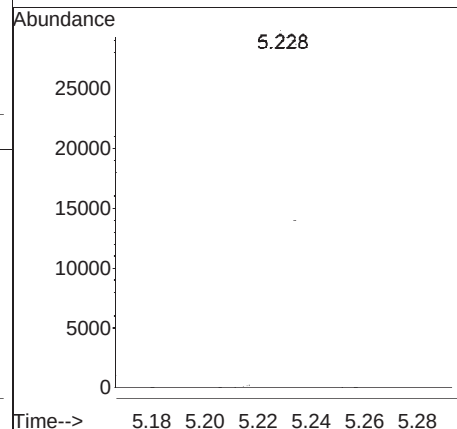
Tgt Ion	Ratio	Resp	Lower	Upper
108	100	25504		
107	117.2		88.8	133.2
90	11.3		9.0	13.6

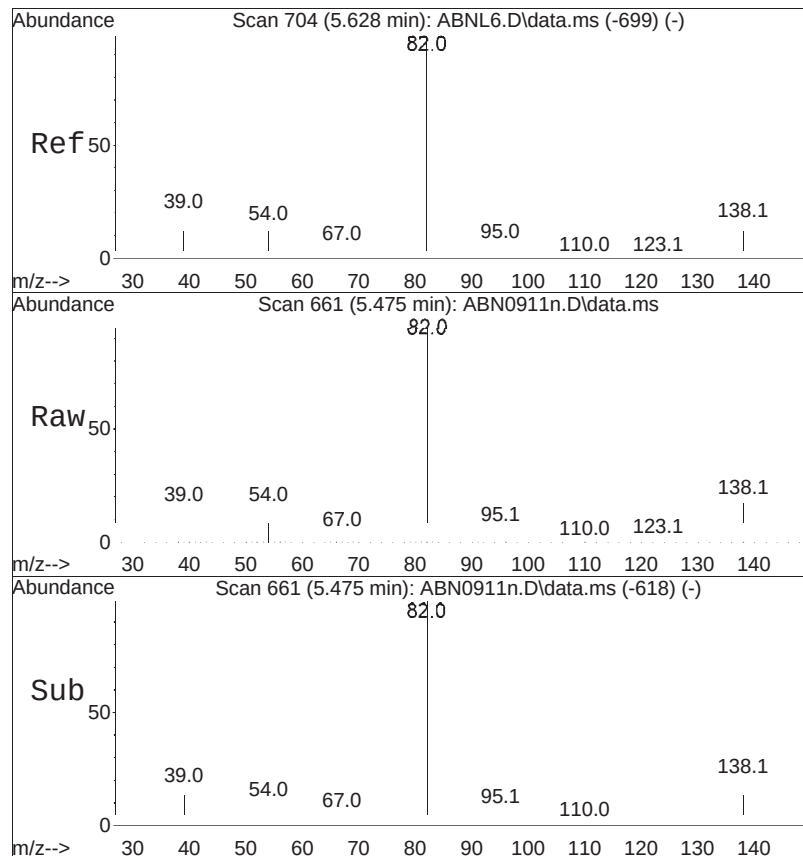




#20
 Nitrobenzene
 Concen: 4.76 ug/ml
 RT: 5.228 min Scan# 619
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

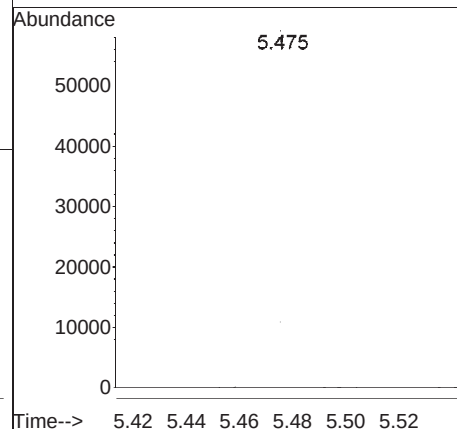
Tgt Ion: 77	Resp: 27212
Ion Ratio	Lower Upper
77 100	
123 46.7	37.3 55.9
65 14.3	10.9 16.3

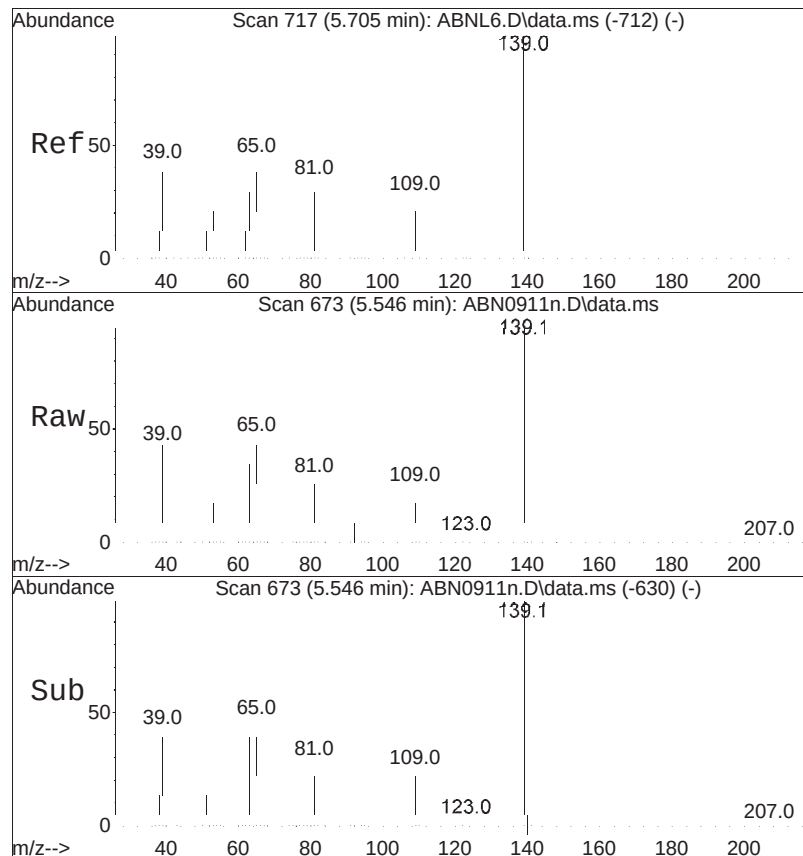




#21
 Isophorone
 Concen: 4.51 ug/ml
 RT: 5.475 min Scan# 661
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

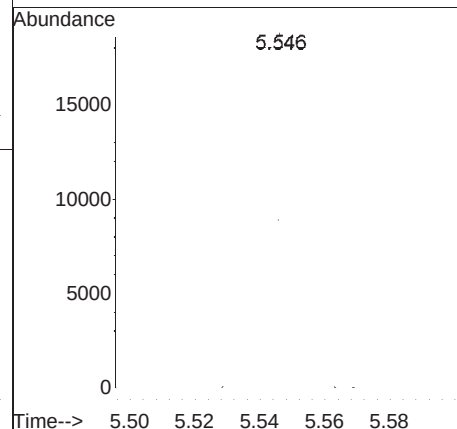
Tgt Ion:	82	Resp:	52250
Ion Ratio	Lower	Upper	
82	100		
138	16.8	13.0	19.4
95	7.3	5.5	8.3

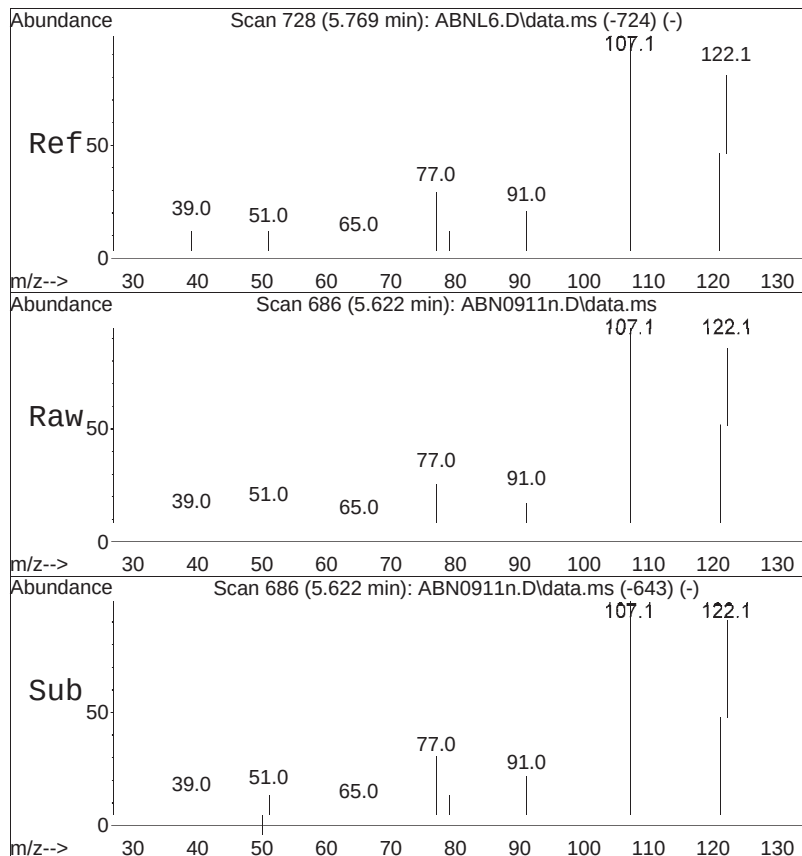




#22
 2-Nitrophenol
 Concen: 4.72 ug/ml
 RT: 5.546 min Scan# 673
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

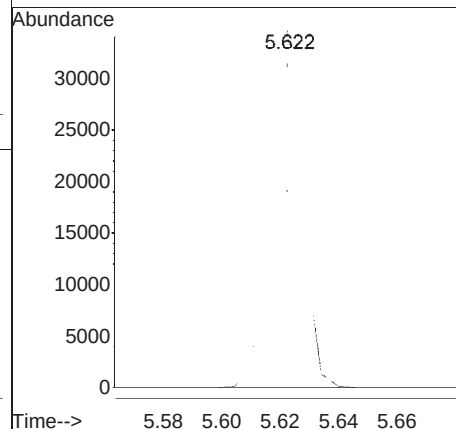
Tgt Ion:	139	Resp:	14634
Ion Ratio	Lower	Upper	
139	100		
109	25.5	23.1	34.7
65	47.8	41.4	62.2

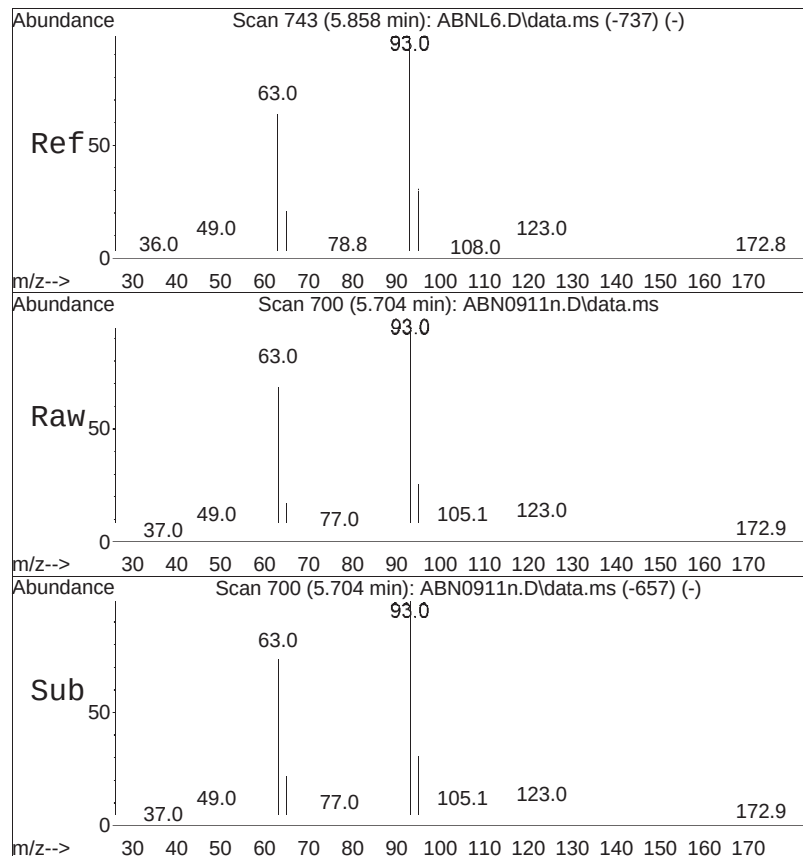




#23
 2,4-Dimethylphenol
 Concen: 4.47 ug/ml
 RT: 5.622 min Scan# 686
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

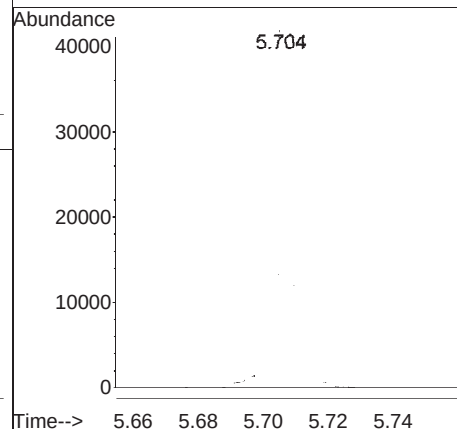
Tgt Ion	Ratio	Lower	Upper
107	100		
121	52.2	41.3	61.9
122	87.5	69.3	103.9

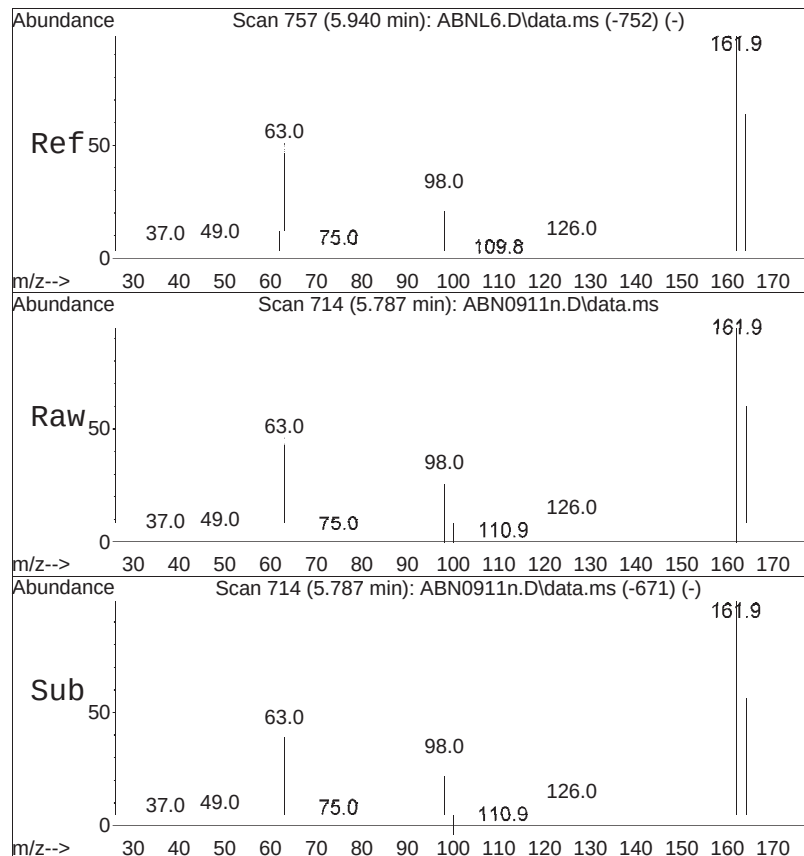




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.63 ug/ml
 RT: 5.704 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

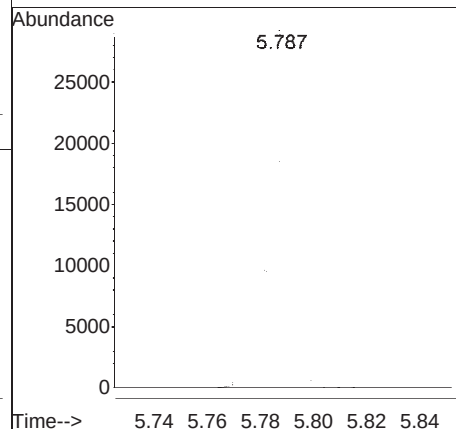
Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	12.1	9.6	14.4

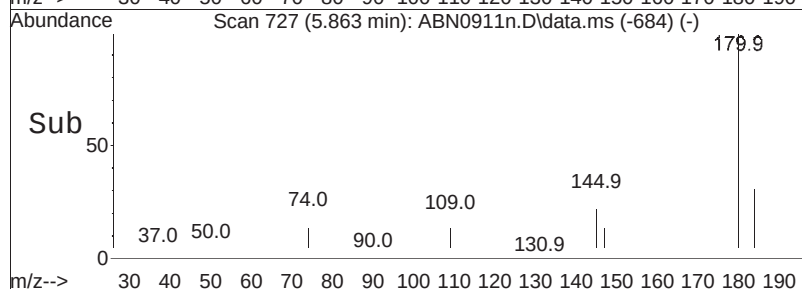
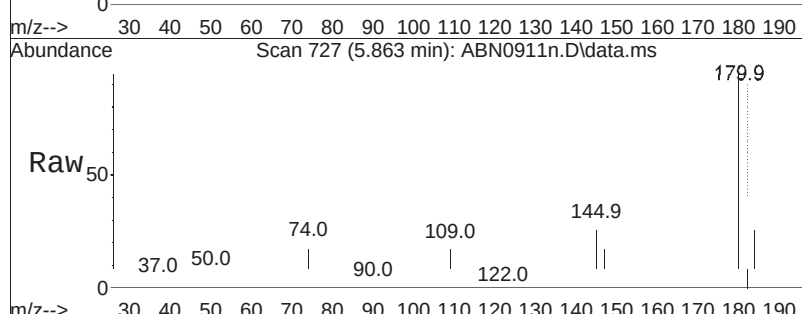
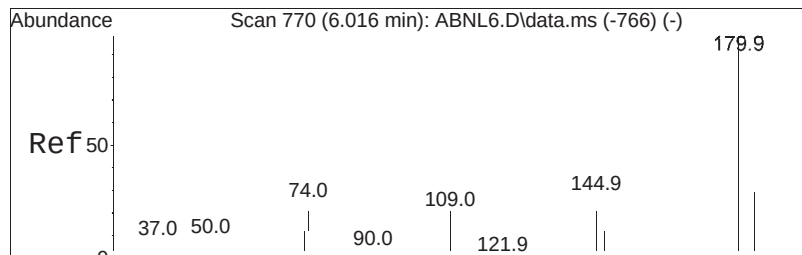




#25
 2,4-Dichlorophenol
 Concen: 4.76 ug/ml
 RT: 5.787 min Scan# 714
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

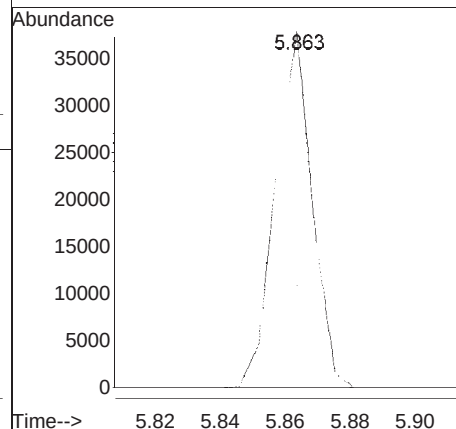
Tgt Ion:	162	Resp:	25829
Ion Ratio	Lower	Upper	
162	100		
164	65.8	51.1	76.7
98	33.1	32.2	48.2

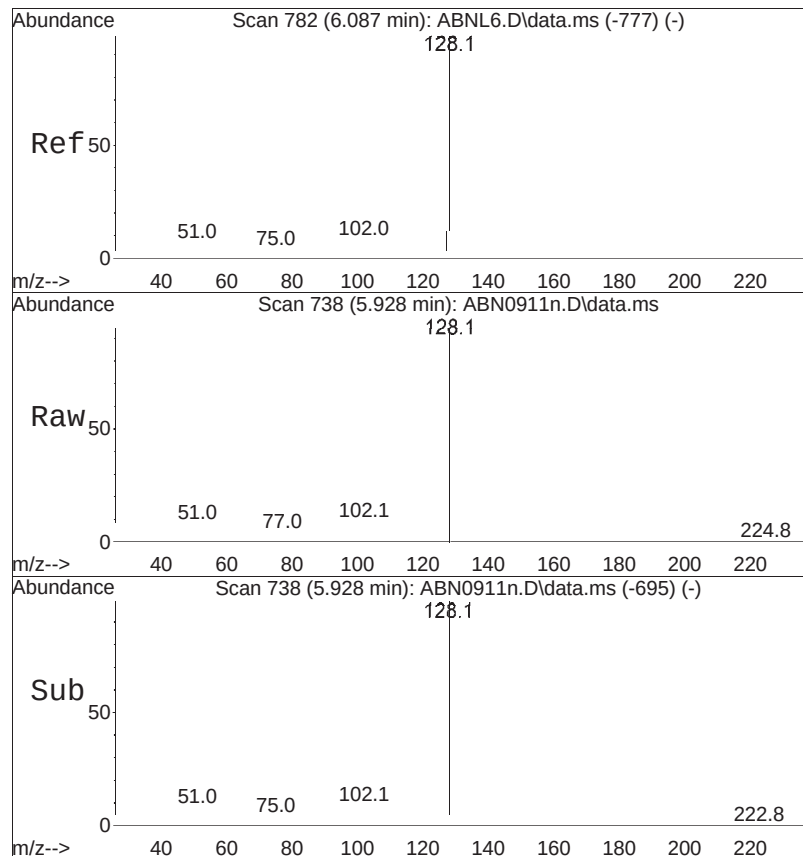




#26
 1,2,4-Trichlorobenzene
 Concen: 4.80 ug/ml
 RT: 5.863 min Scan# 727
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

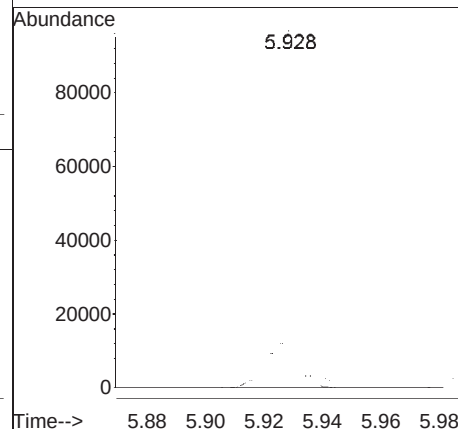
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	29996		
182	97.7		75.8	113.8
145	28.4		26.3	39.5

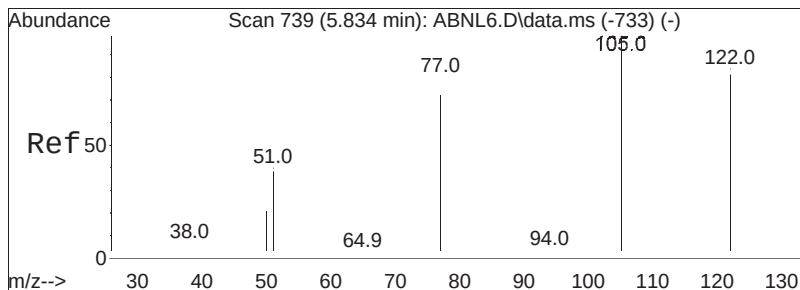




#36
 Naphthalene
 Concen: 4.82 ug/ml
 RT: 5.928 min Scan# 738
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

Tgt Ion:	128	Resp:	82604
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.9	13.3
127	13.0	10.6	15.8





#37

Benzoic Acid

Concen: 4.19 ug/ml

RT: 5.693 min Scan# 698

Delta R.T. 0.000 min

Lab File: ABN0911n.D

Acq: 12 Sep 2025 01:02 am

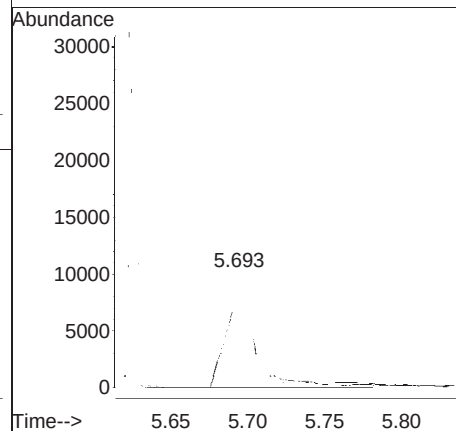
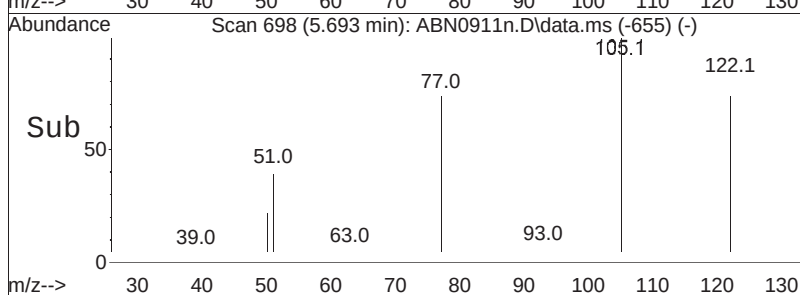
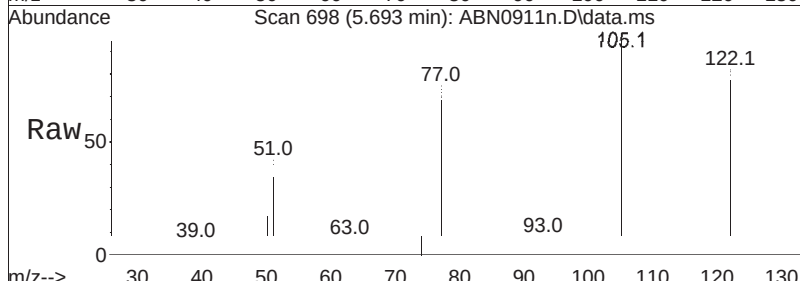
Tgt Ion: 105 Resp: 14470

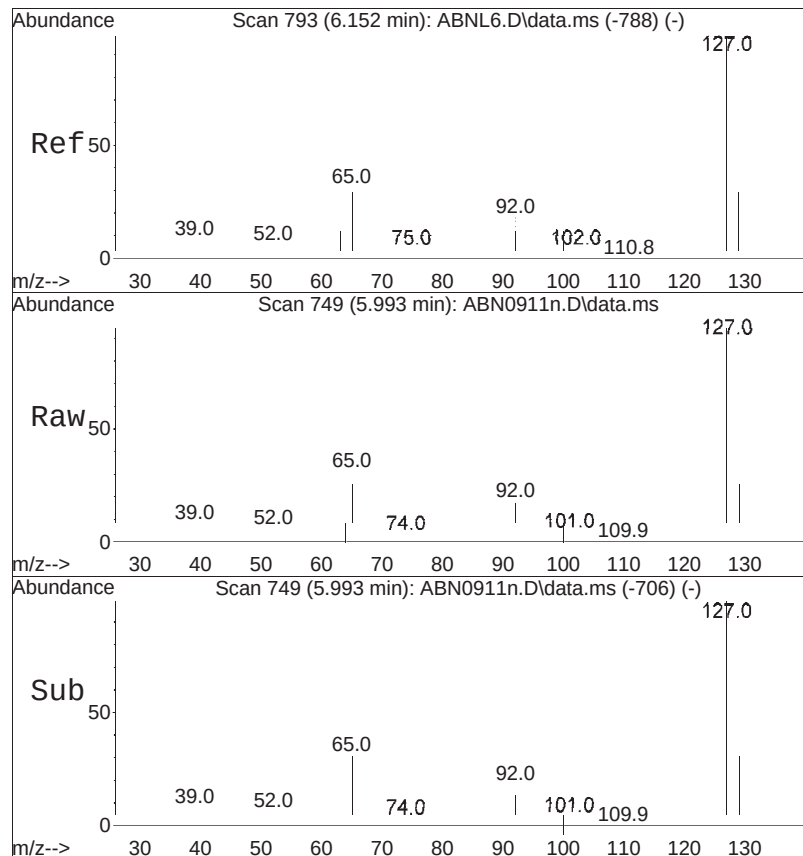
Ion Ratio Lower Upper

105 100

122 80.3 62.6 93.8

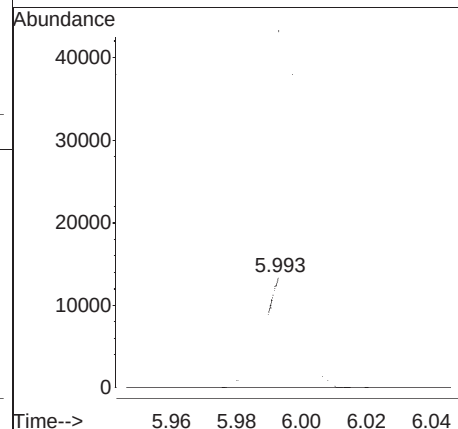
77 72.2 59.1 88.7

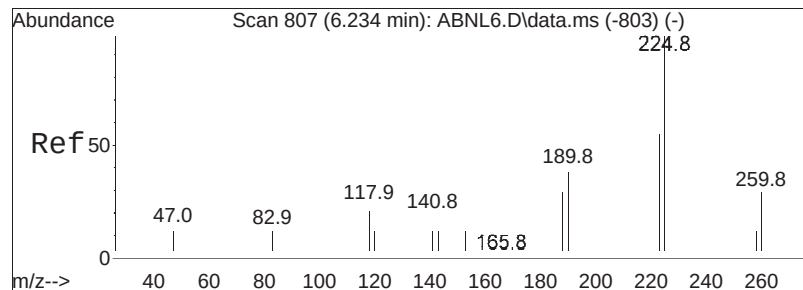




#38
 4-Chloroaniline
 Concen: 4.79 ug/ml
 RT: 5.993 min Scan# 749
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

Tgt Ion:	65	Resp:	11110
Ion Ratio	Lower	Upper	
65	100		
127	329.3	266.2	399.4
129	103.4	85.0	127.4





#39

Hexachlorobutadiene

Concen: 4.48 ug/ml

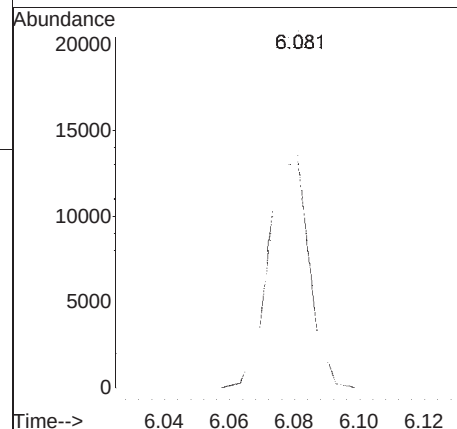
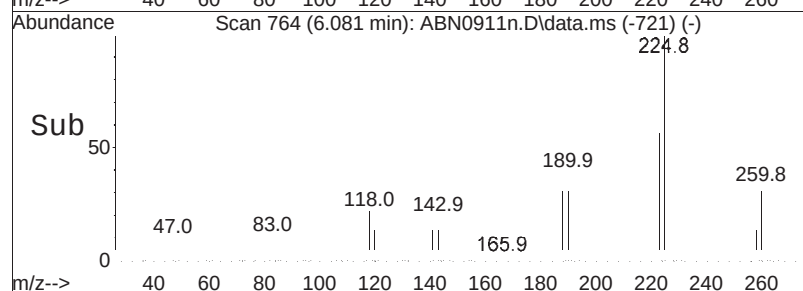
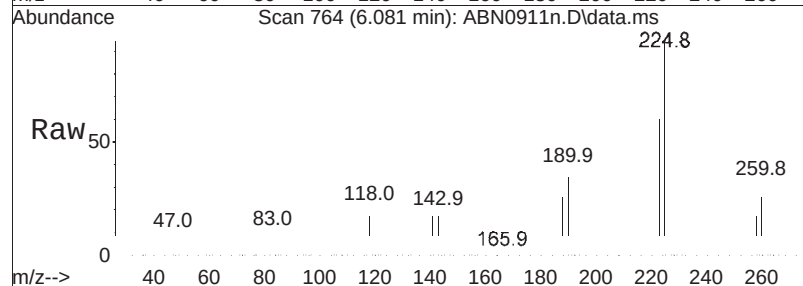
RT: 6.081 min Scan# 764

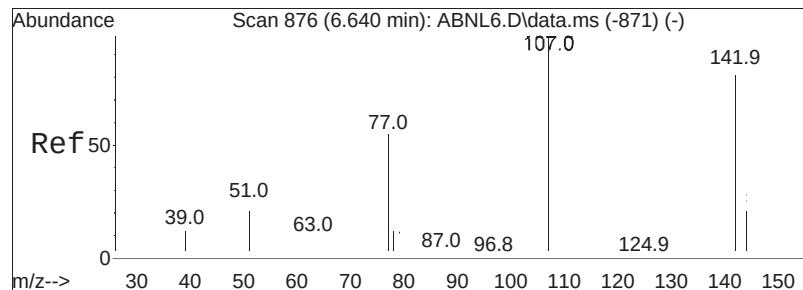
Delta R.T. 0.000 min

Lab File: ABN0911n.D

Acq: 12 Sep 2025 01:02 am

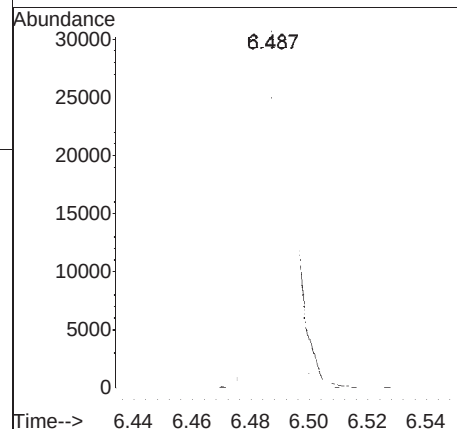
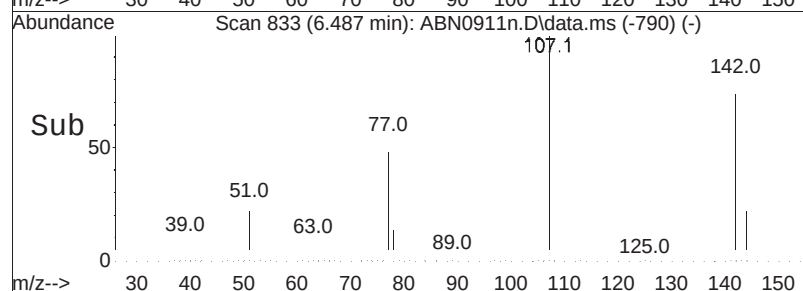
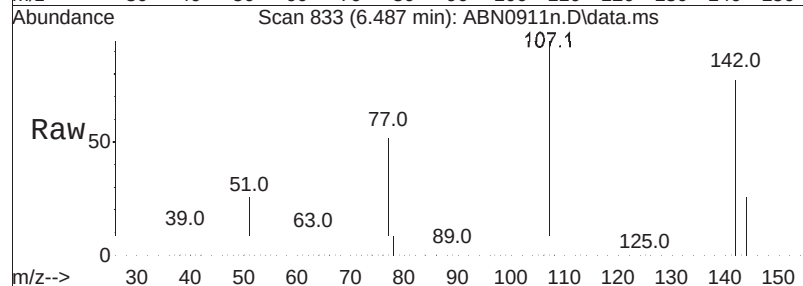
Tgt Ion:	225	Resp:	18269
Ion Ratio	Lower	Upper	
225	100		
223	63.8	50.5	75.7
227	65.6	50.4	75.6

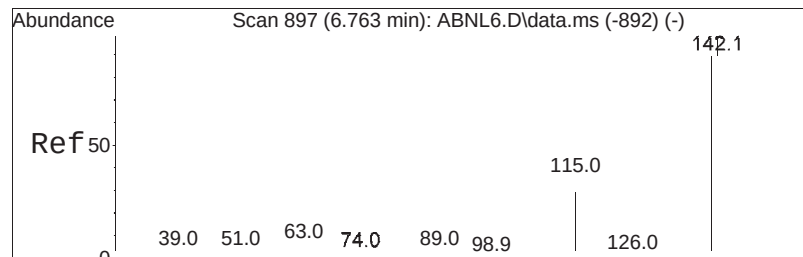




#40
 p-Chloro-m-cresol
 Concen: 4.75 ug/ml
 RT: 6.487 min Scan# 833
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

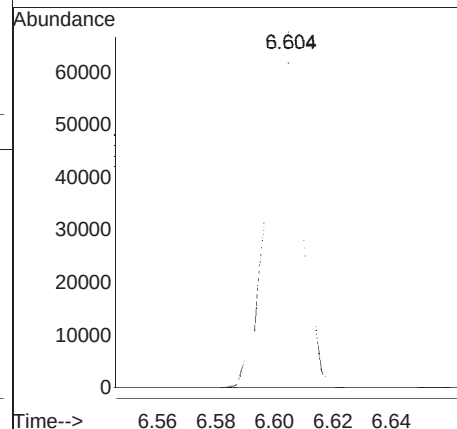
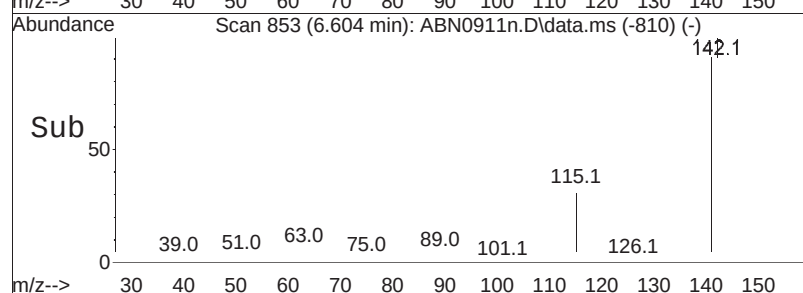
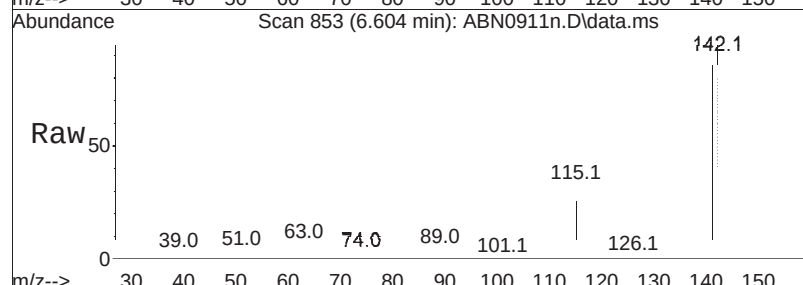
Tgt Ion:	107	Resp:	25178
Ion Ratio	Lower	Upper	
107	100		
144	27.5	20.3	30.5
142	85.3	63.8	95.6

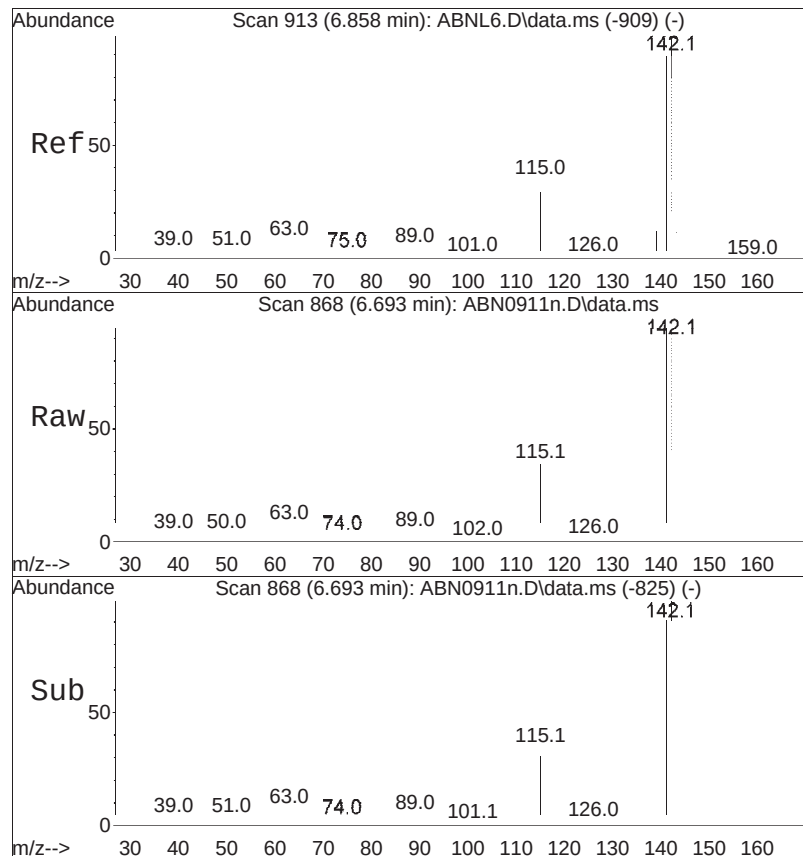




#41
 2-Methylnaphthalene
 Concen: 5.05 ug/ml
 RT: 6.604 min Scan# 853
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

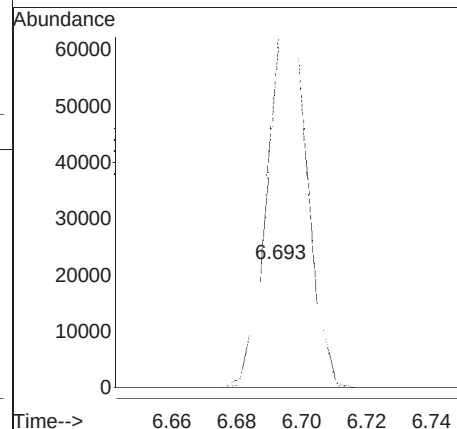
Tgt Ion:	142	Resp:	54782
Ion Ratio	Lower	Upper	
142	100		
141	92.7	72.2	108.4
115	33.2	27.8	41.6

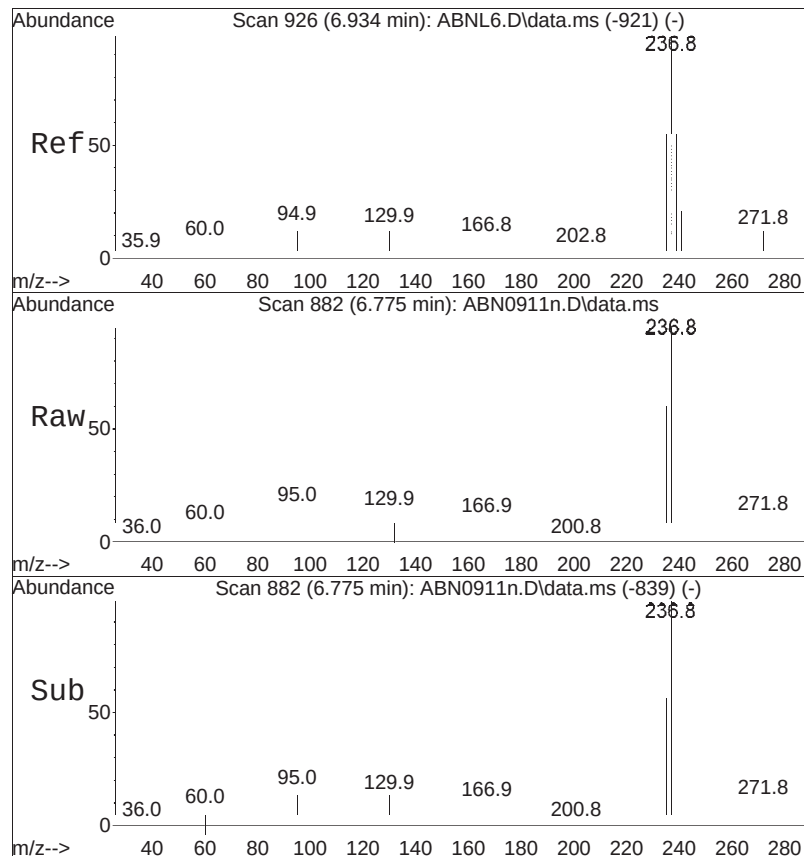




#42
 1-Methylnaphthalene
 Concen: 4.55 ug/ml
 RT: 6.693 min Scan# 868
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

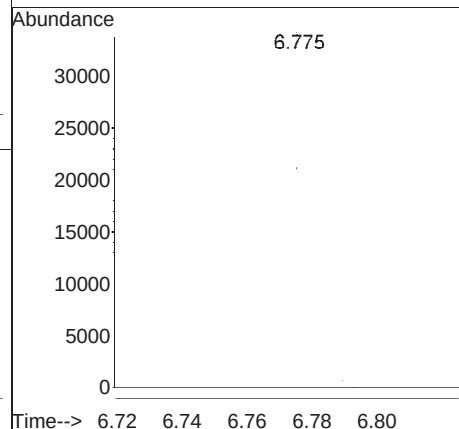
Tgt Ion:	115	Resp:	19745
Ion Ratio	Lower	Upper	
115	100		
141	276.9	205.4	308.2
142	286.9	220.2	330.4

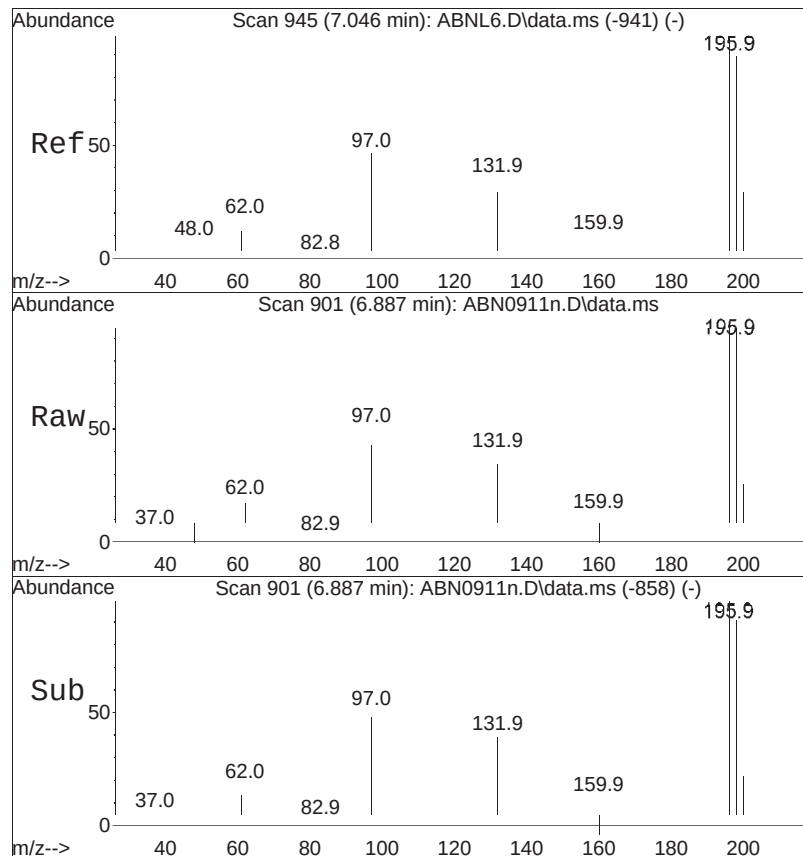




#43
 Hexachlorocyclopentadiene
 Concen: 4.85 ug/ml
 RT: 6.775 min Scan# 882
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

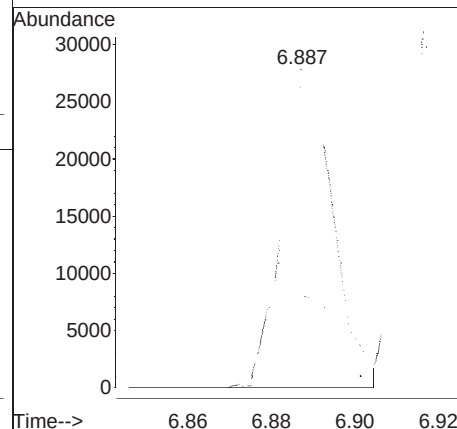
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.0	50.9	76.3
272	12.6	10.1	15.1

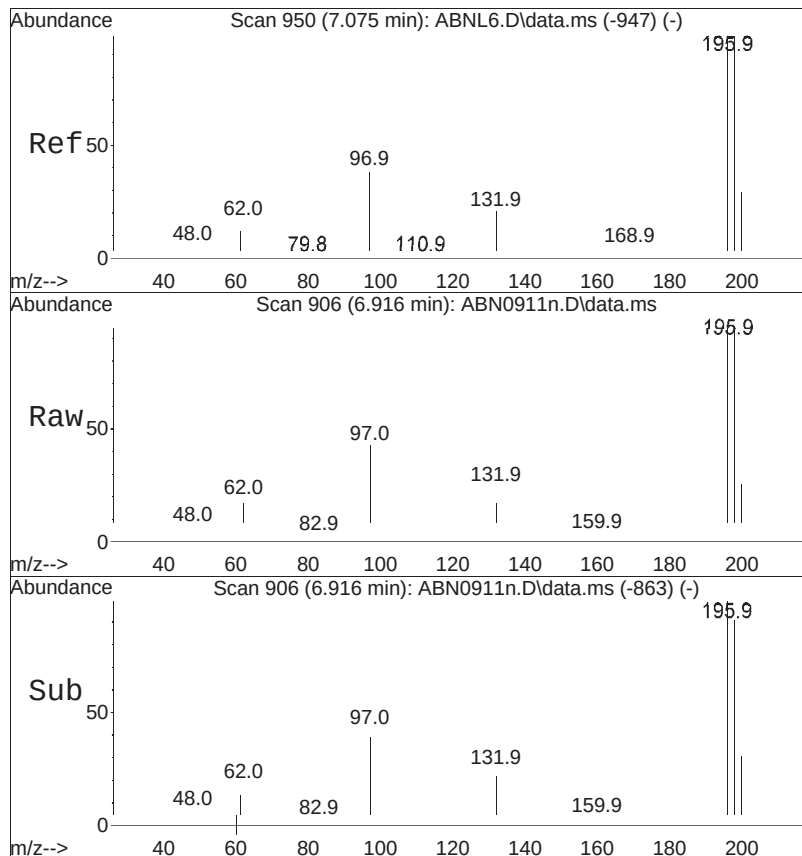




#44
 2,4,6-Trichlorophenol
 Concen: 4.59 ug/ml
 RT: 6.887 min Scan# 901
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

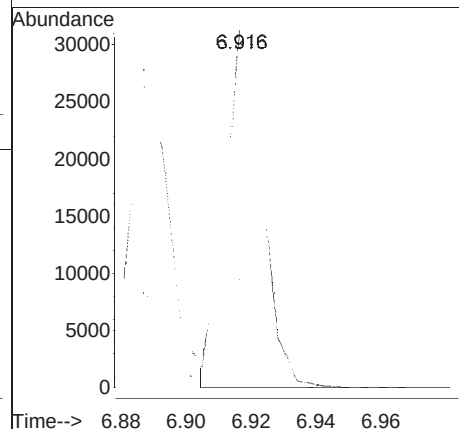
Tgt Ion:	196	Resp:	23255
Ion Ratio	Lower	Upper	
196	100		
198	97.1	76.4	114.6
200	30.8	24.4	36.6

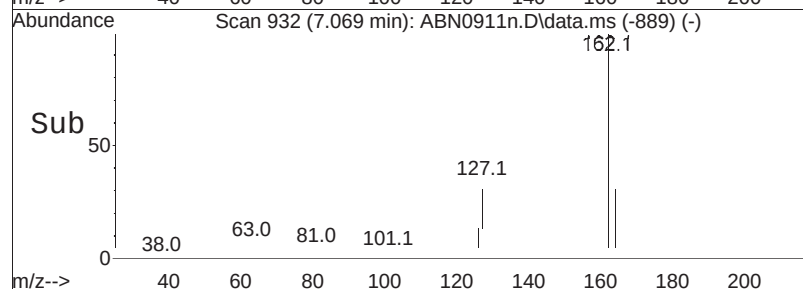
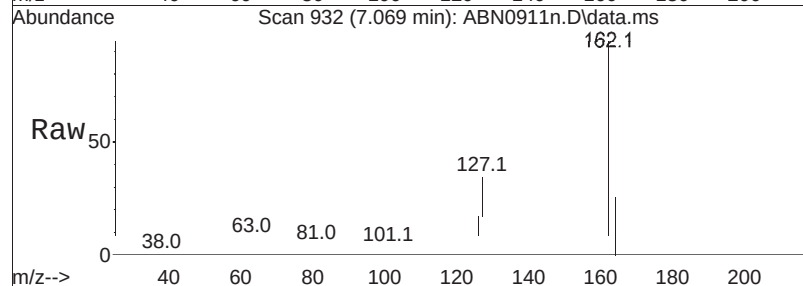
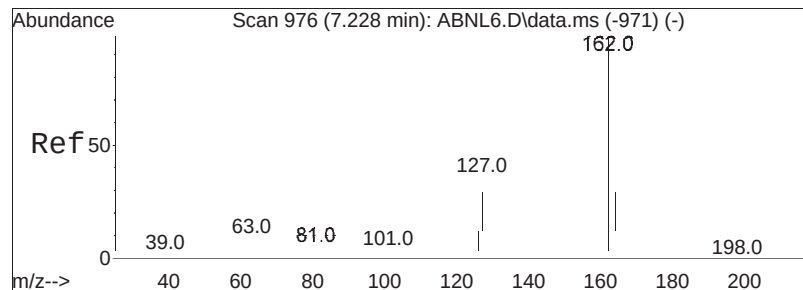




#45
 2,4,5-Trichlorophenol
 Concen: 4.67 ug/ml M3
 RT: 6.916 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

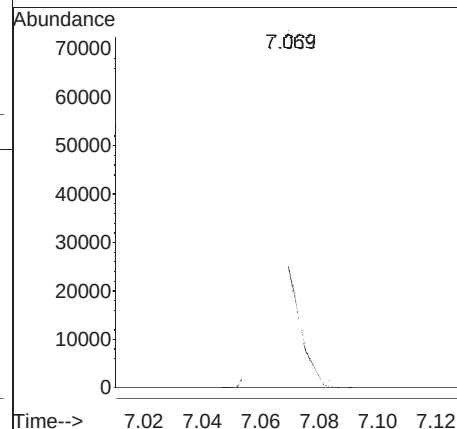
Tgt Ion	Ratio	Lower	Upper
196	100		
200	28.8	24.2	36.4
198	90.8	76.2	114.2

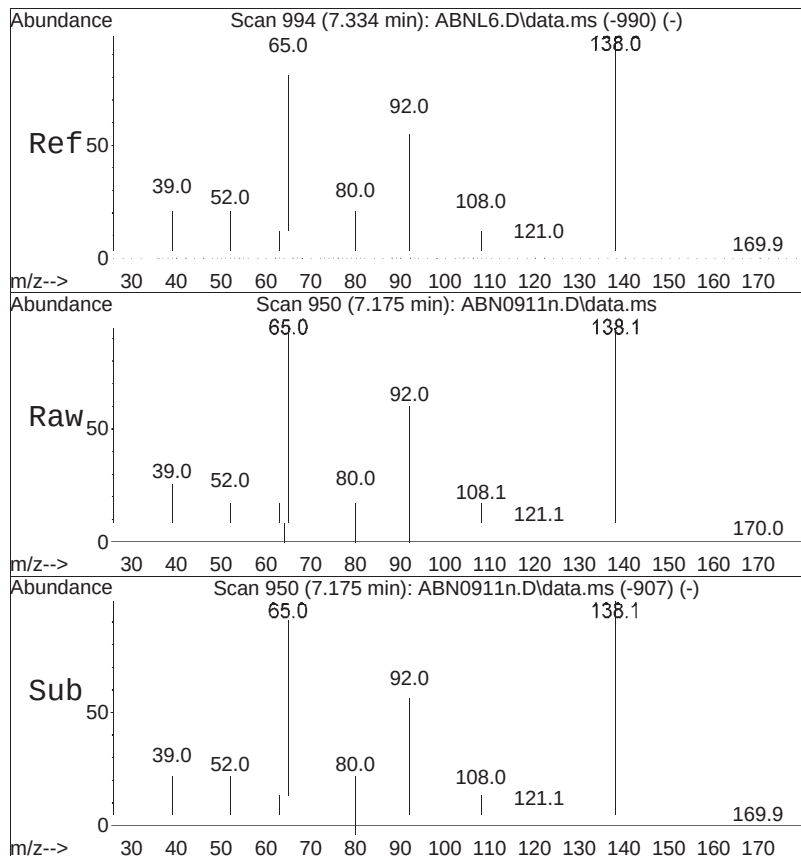




#47
 2-Chloronaphthalene
 Concen: 5.00 ug/ml
 RT: 7.069 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

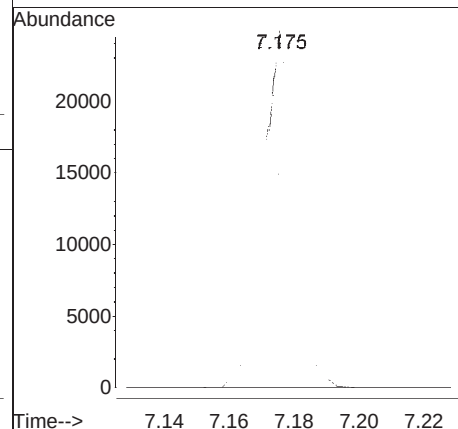
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	63278		
127	36.2		33.8	50.6
164	33.6		25.8	38.6

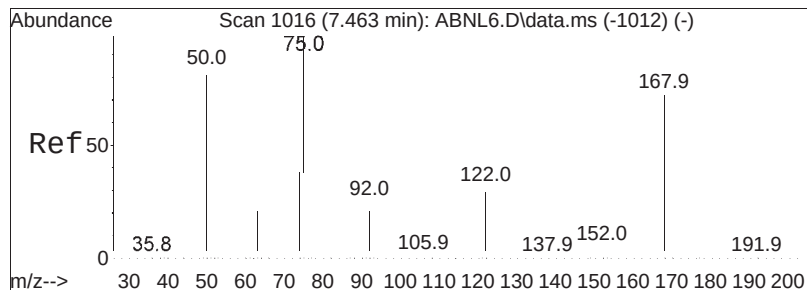




#48
 2-Nitroaniline
 Concen: 4.68 ug/ml
 RT: 7.175 min Scan# 950
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

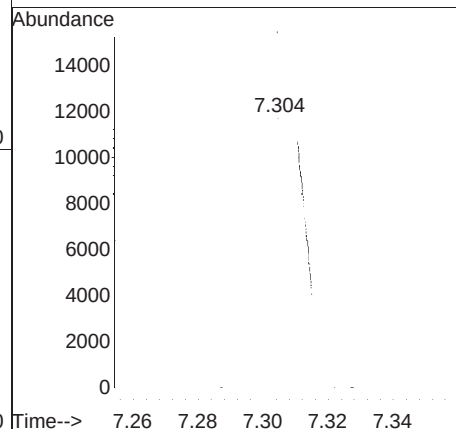
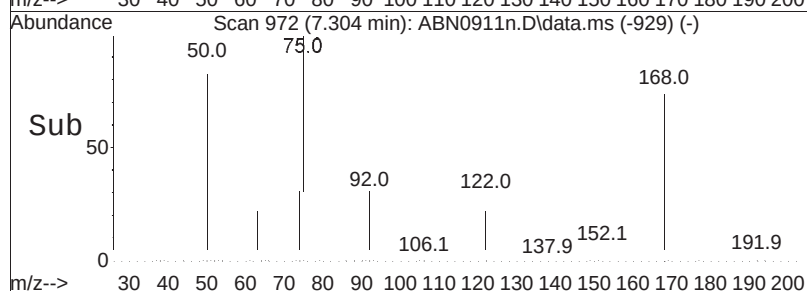
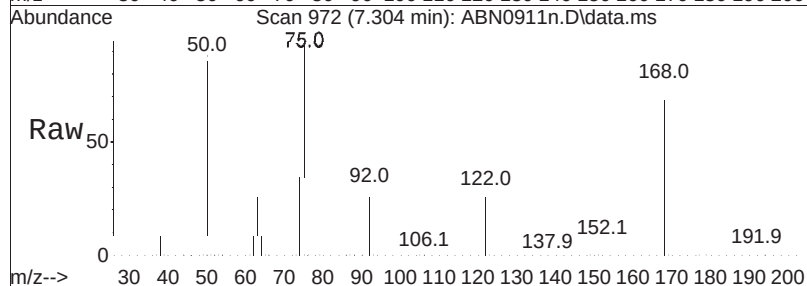
Tgt Ion:	138	Resp:	19562
Ion Ratio	Lower	Upper	
138	100		
92	61.9	52.1	78.1
65	94.6	75.9	113.9

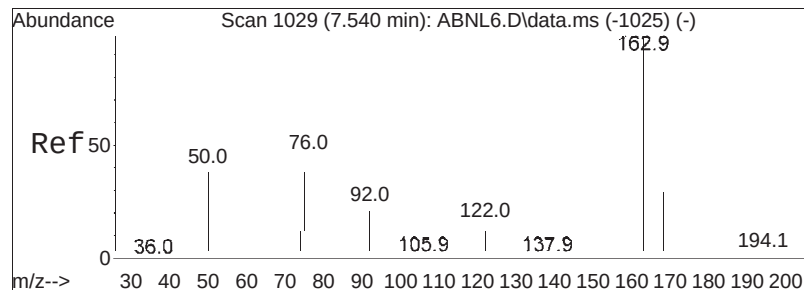




#49
 1,4-Dinitrobenzene
 Concen: 4.90 ug/ml
 RT: 7.304 min Scan# 972
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

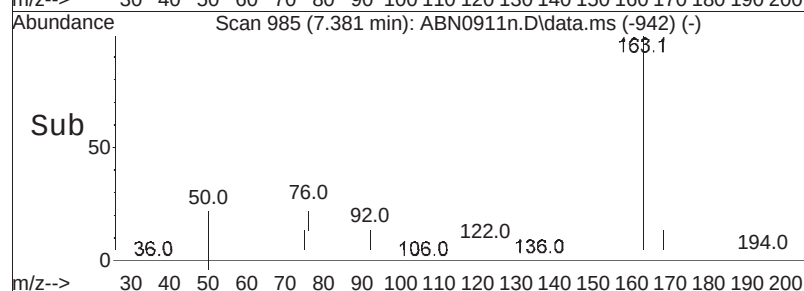
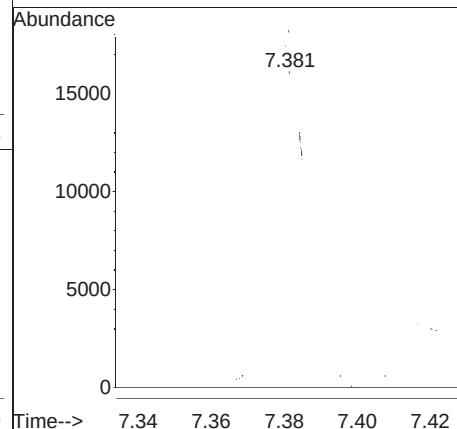
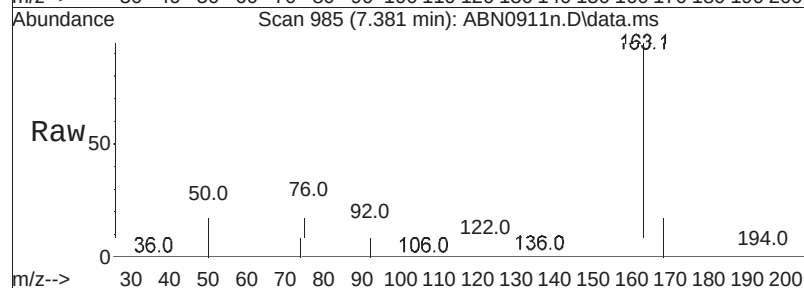
Tgt Ion	Ratio	Lower	Upper
168	100		
75	122.7	111.0	166.4

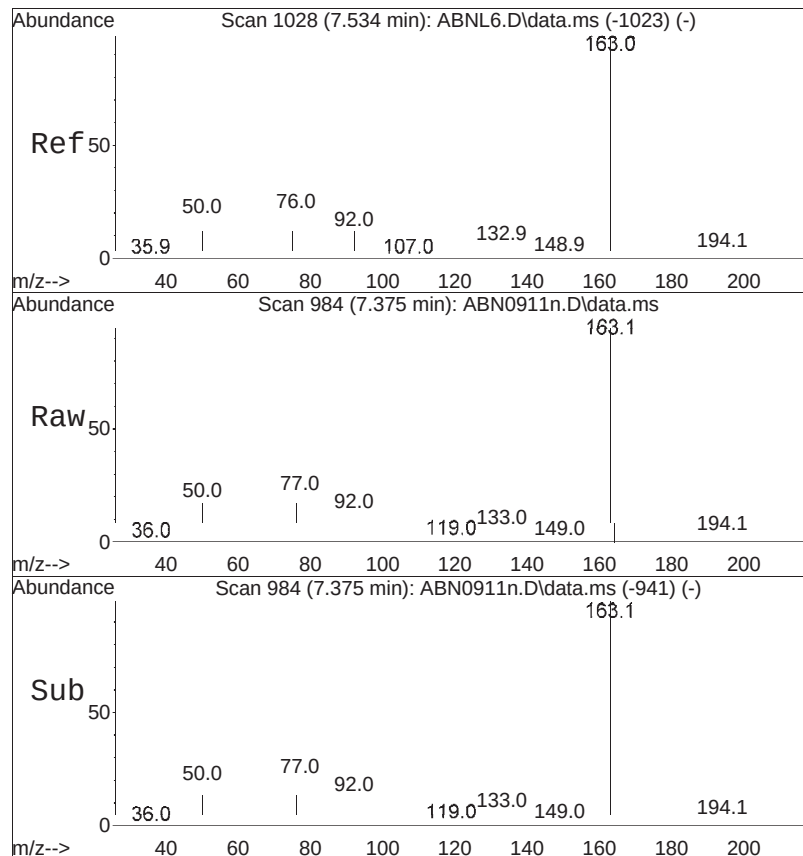




#50
 1,3-Dinitrobenzene
 Concen: 5.18 ug/ml
 RT: 7.381 min Scan# 985
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

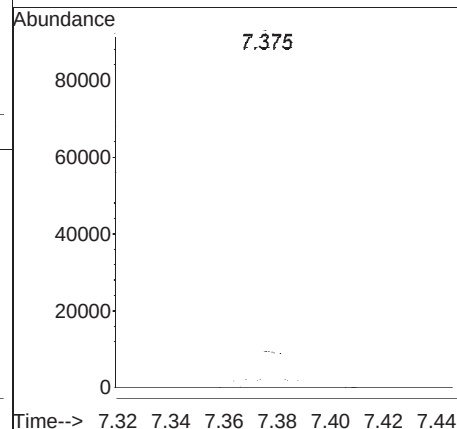
Tgt Ion:168 Resp: 12103
 Ion Ratio Lower Upper
 168 100
 75 119.0 116.4 174.6

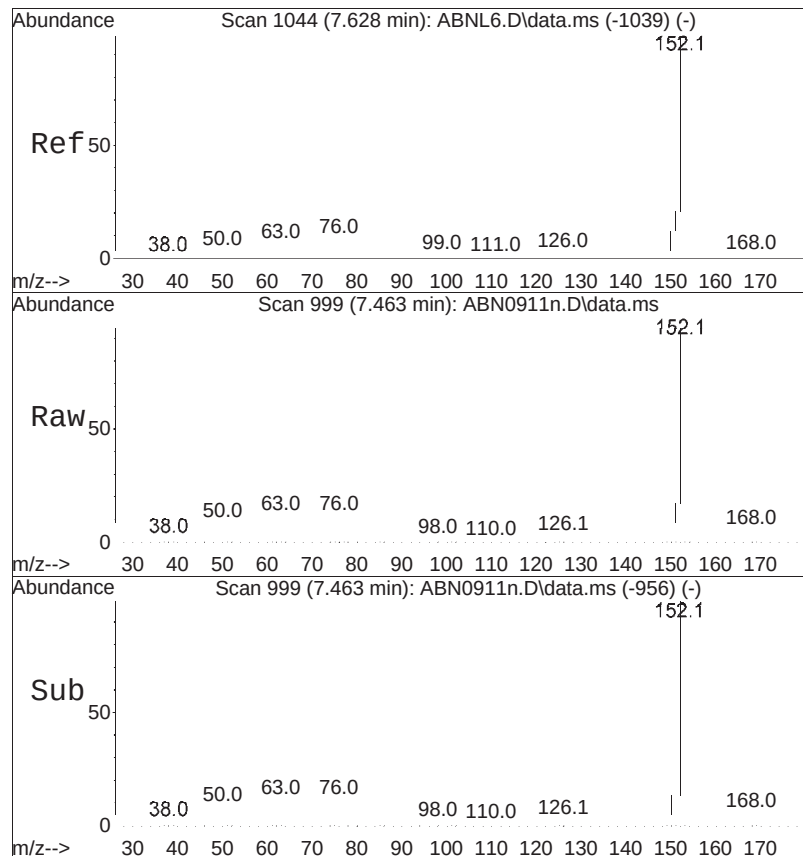




#51
 Dimethyl phthalate
 Concen: 5.16 ug/ml
 RT: 7.375 min Scan# 984
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

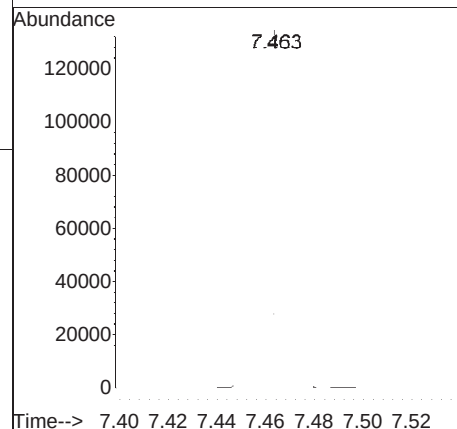
Tgt Ion:	163	Resp:	82803
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.3	3.5
164	10.2	8.2	12.2

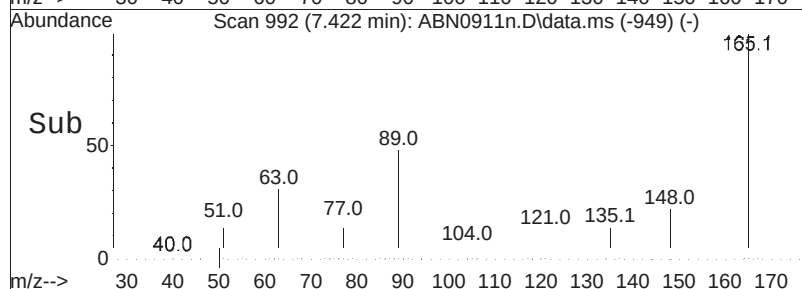
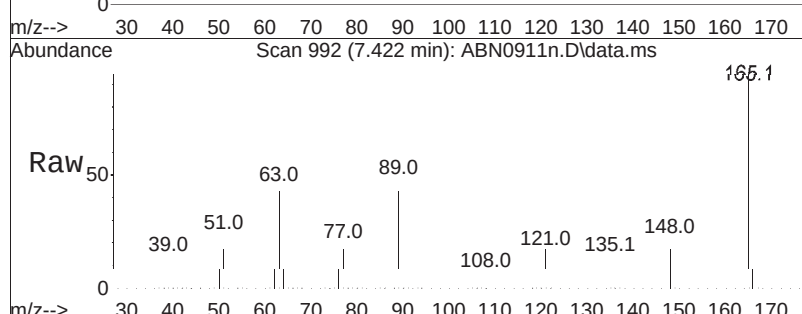
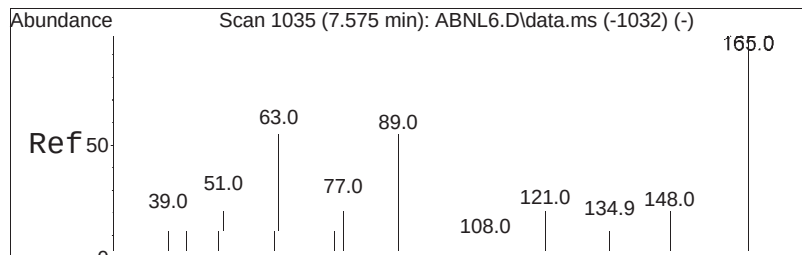




#52
 Acenaphthylene
 Concen: 5.22 ug/ml
 RT: 7.463 min Scan# 999
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

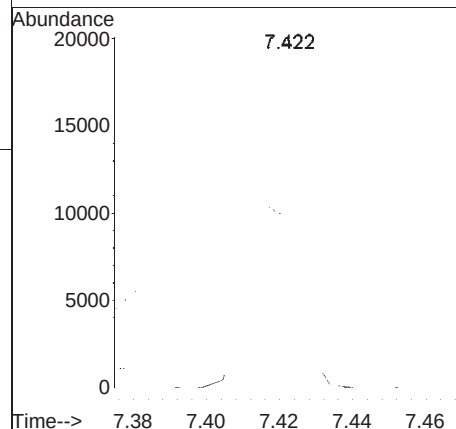
Tgt Ion:152	Resp: 107970
Ion Ratio Lower Upper	
152 100	
151 20.4	15.9 23.9
153 13.6	10.5 15.7

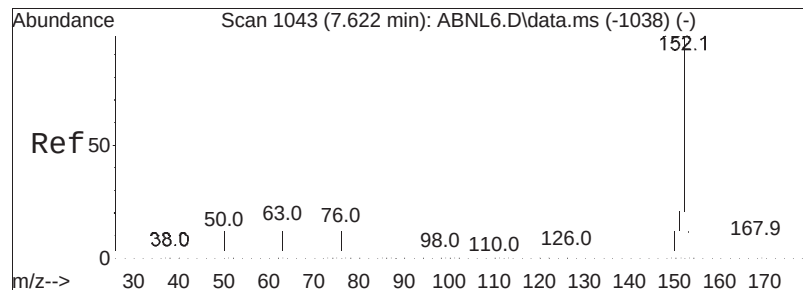




#53
 2,6-Dinitrotoluene
 Concen: 4.73 ug/ml
 RT: 7.422 min Scan# 992
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

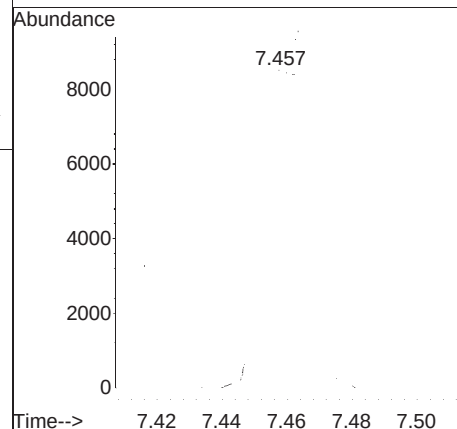
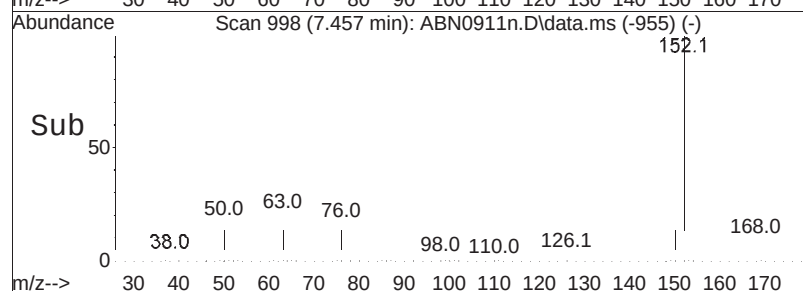
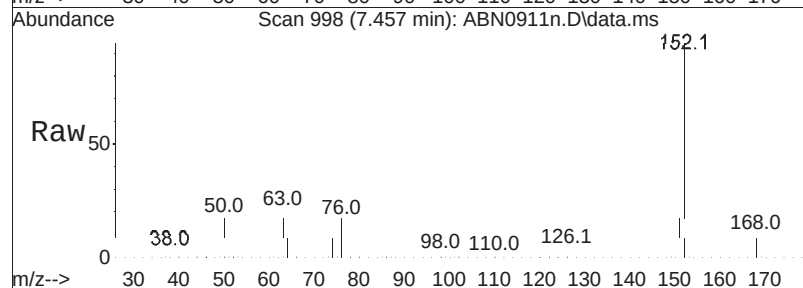
Tgt Ion	Ratio	Lower	Upper
165	100		
89	52.9	48.8	73.2
63	53.5	50.5	75.7

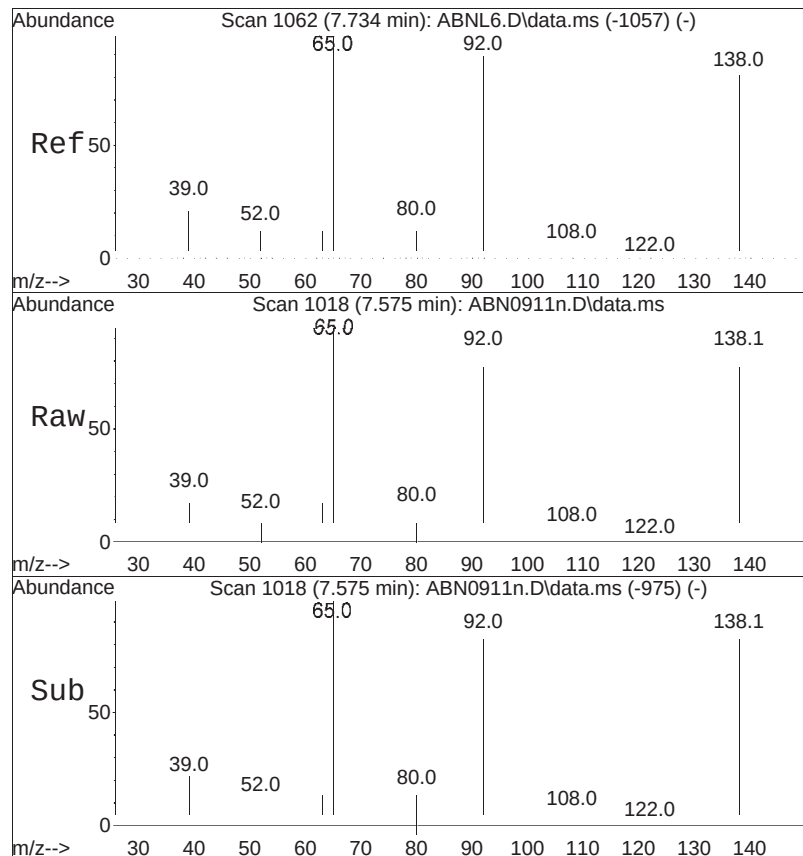




#54
 1,2-Dinitrobenzene
 Concen: 5.22 ug/ml
 RT: 7.457 min Scan# 998
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

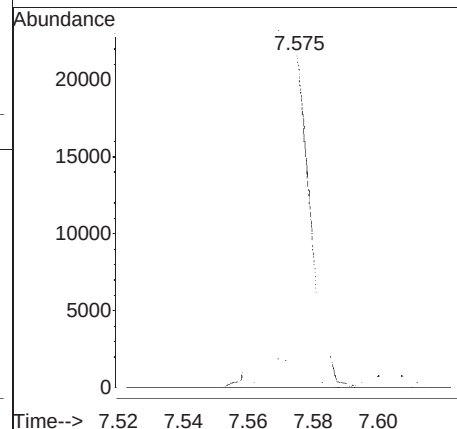
Tgt Ion	Ratio	Lower	Upper
168	100		
75	101.9	32.2	48.2#

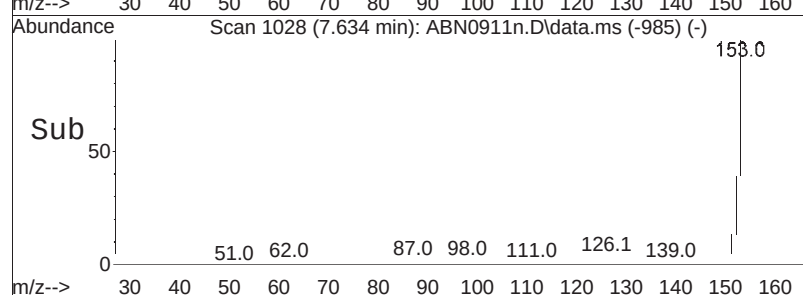
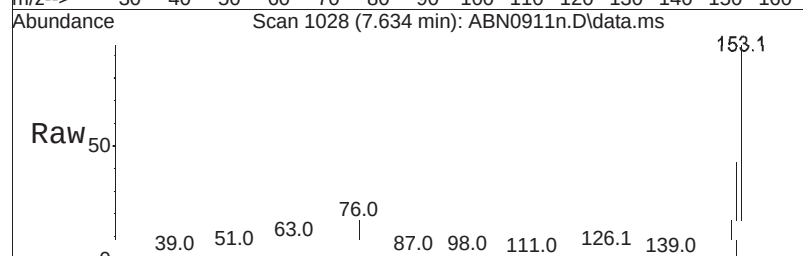
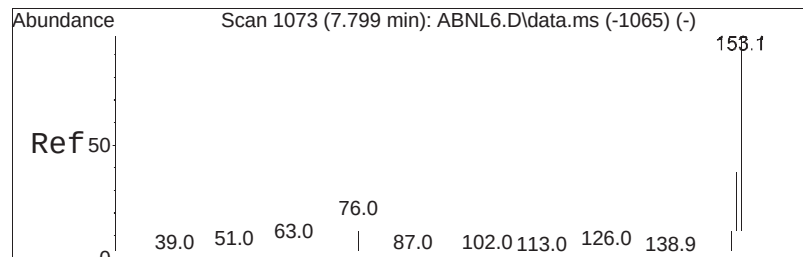




#64
 3-Nitroaniline
 Concen: 4.65 ug/ml
 RT: 7.575 min Scan# 1018
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

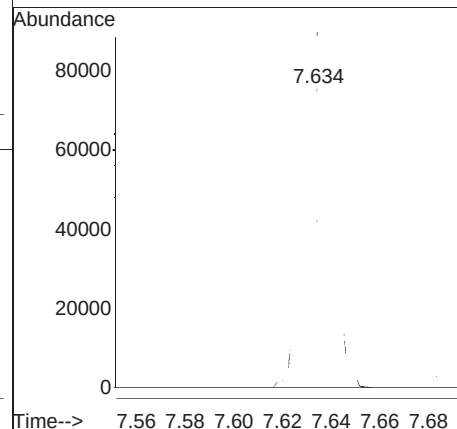
Tgt Ion:	138	Resp:	18886
Ion Ratio	Lower	Upper	
138	100		
92	109.5	92.8	139.2
108	8.3	7.9	11.9

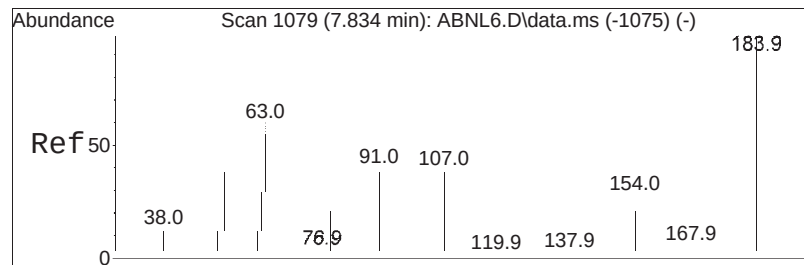




#65
 Acenaphthene
 Concen: 4.77 ug/ml
 RT: 7.634 min Scan# 1028
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

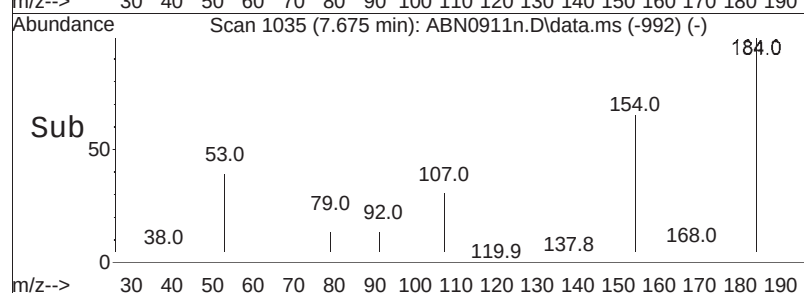
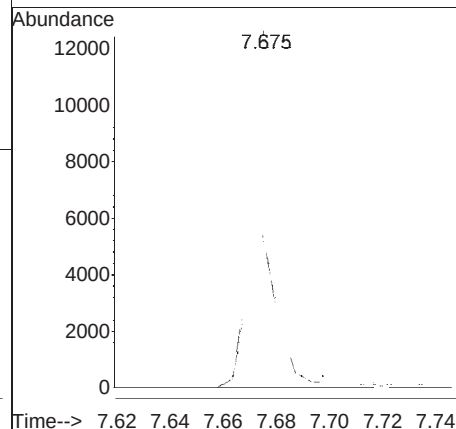
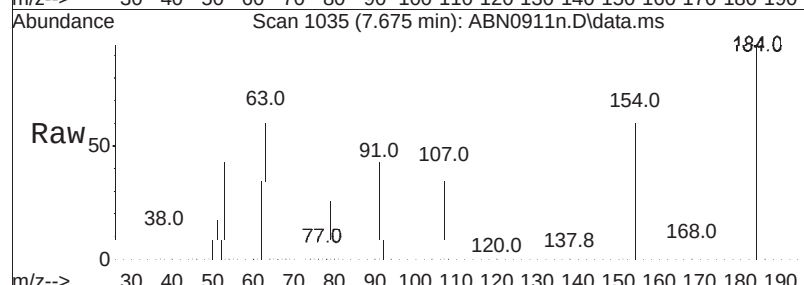
Tgt Ion:	154	Resp:	58916
Ion Ratio	Lower	Upper	
154	100		
153	118.8	93.0	139.4
152	56.5	43.3	64.9

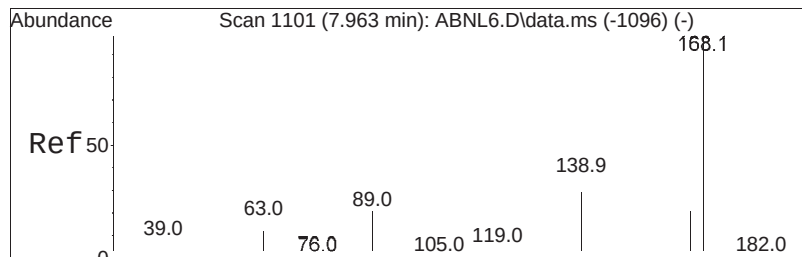




#66
 2,4-Dinitrophenol
 Concen: 5.02 ug/ml
 RT: 7.675 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

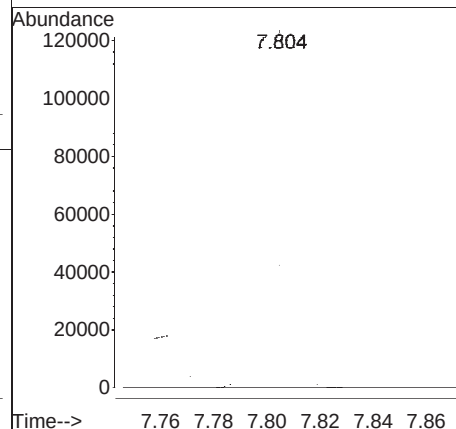
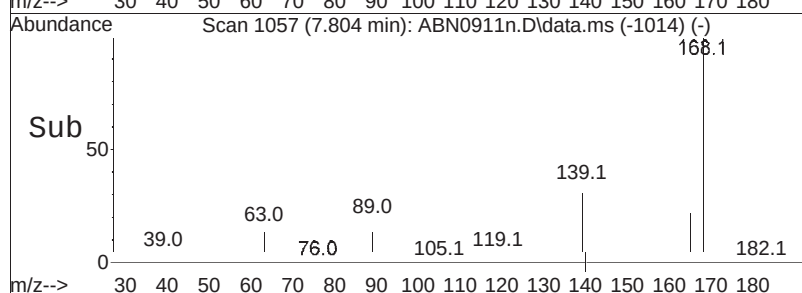
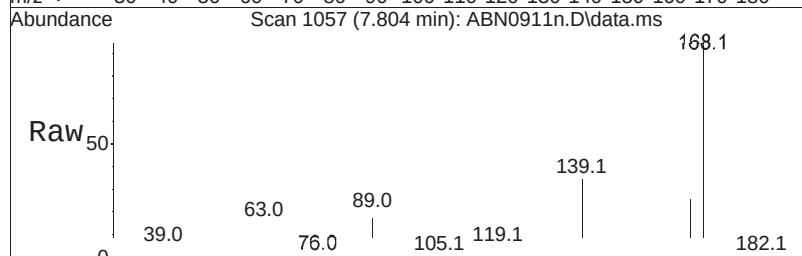
Tgt Ion	Ratio	Lower	Upper
184	100		
107	42.2	41.8	62.6
91	43.5	44.2	66.2#

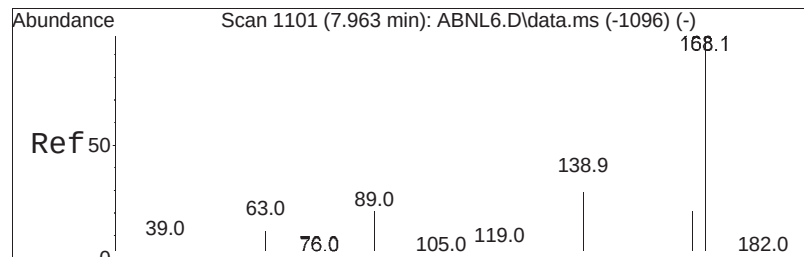




#67
 Dibenzofuran
 Concen: 4.83 ug/ml
 RT: 7.804 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

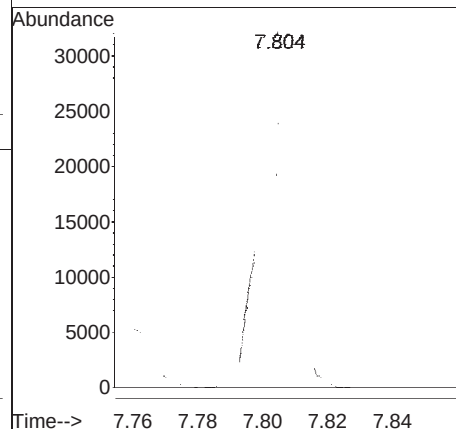
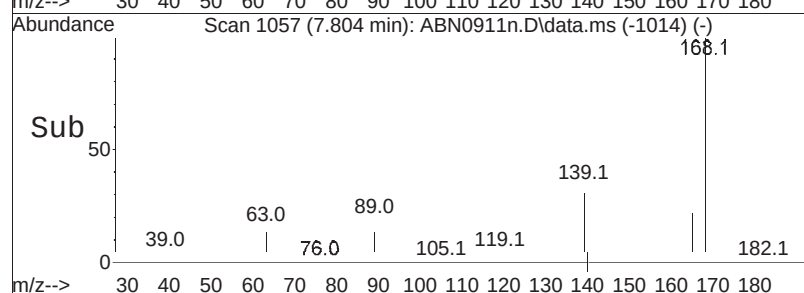
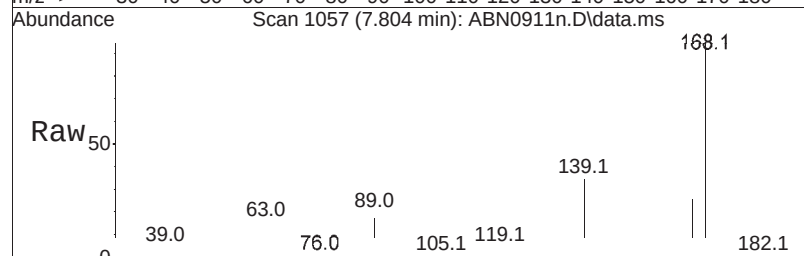
Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.3	32.3	48.5

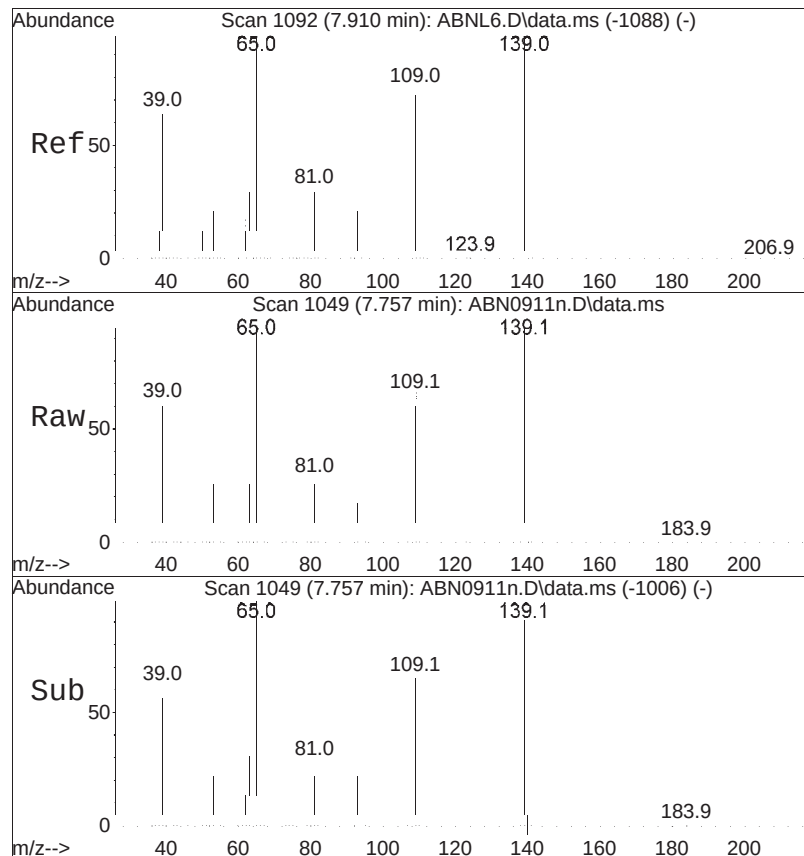




#68
 2,4-Dinitrotoluene
 Concen: 4.87 ug/ml
 RT: 7.804 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

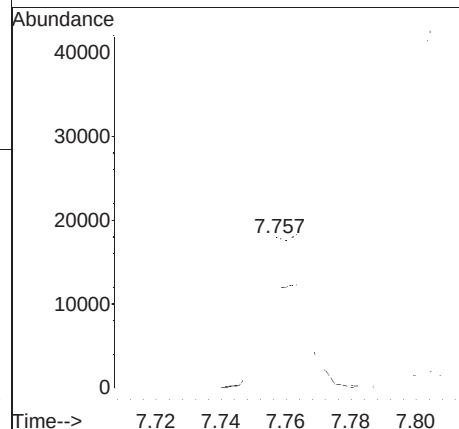
Tgt Ion:	165	Resp:	25051
Ion Ratio	Lower	Upper	
165	100		
89	74.0	73.0	109.4
63	63.3	56.3	84.5

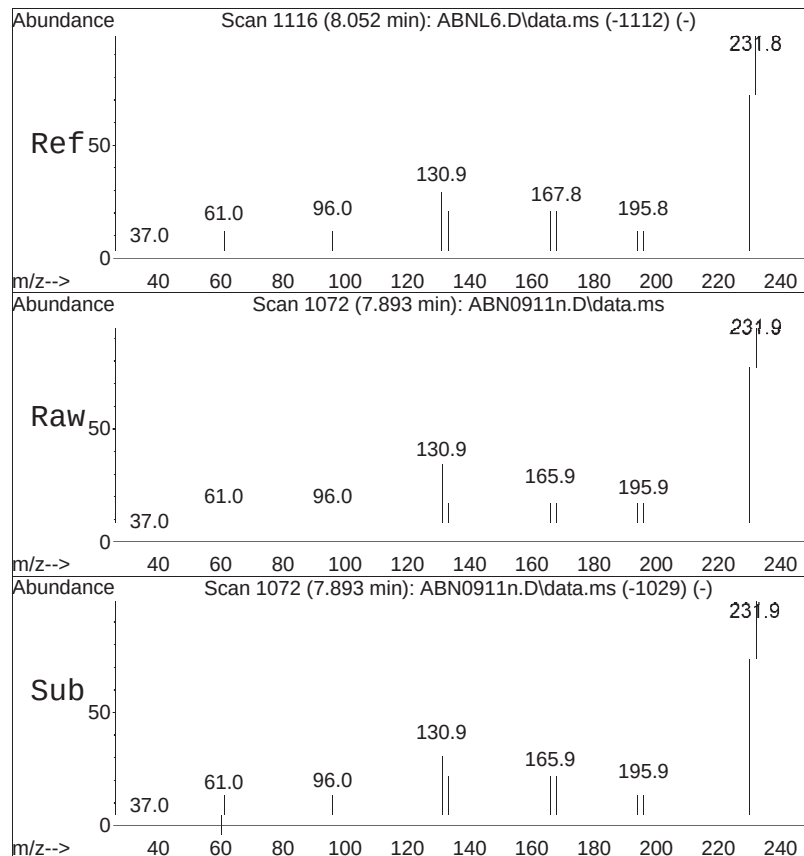




#69
 4-Nitrophenol
 Concen: 4.60 ug/ml
 RT: 7.757 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

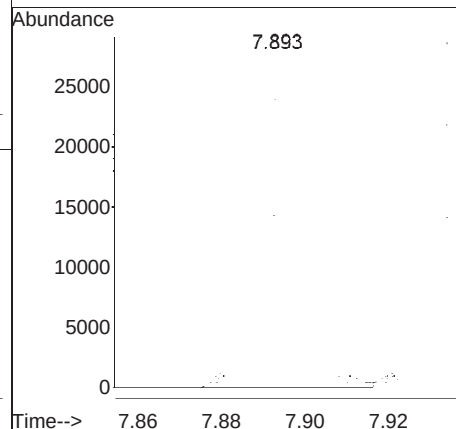
Tgt Ion:	65	Resp:	15830
Ion Ratio	Lower	Upper	
65	100		
109	70.2	60.2	90.2
139	102.0	81.1	121.7

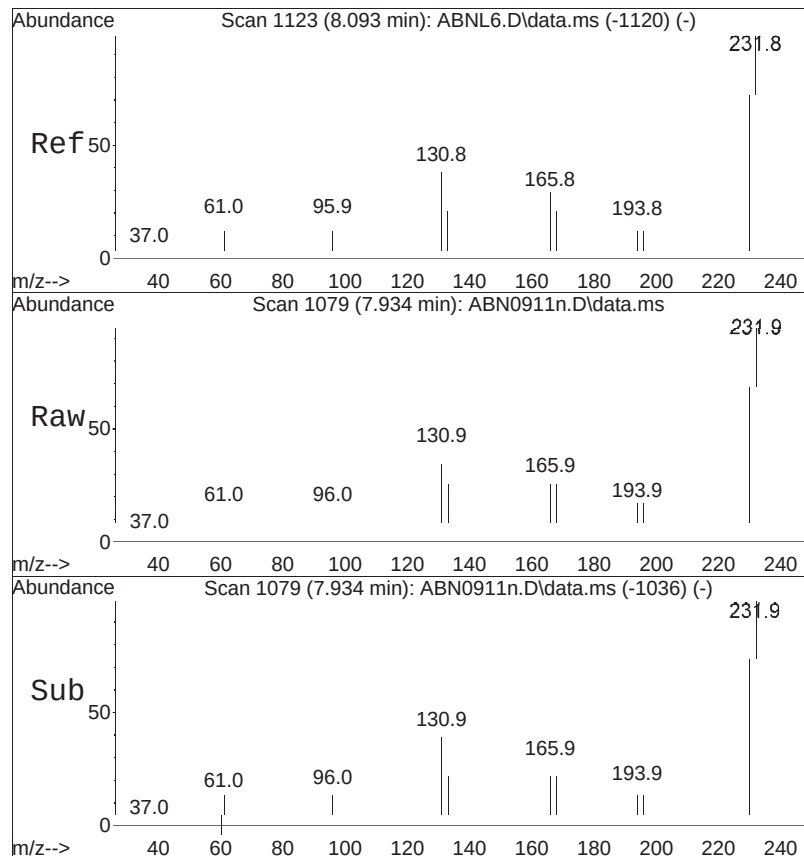




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 4.62 ug/ml M3
 RT: 7.893 min Scan# 1072
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

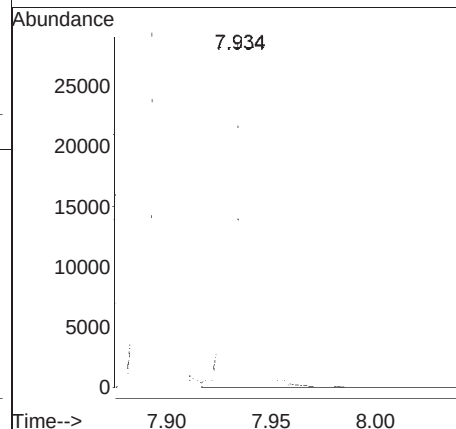
Tgt Ion:	232	Resp:	23728
Ion Ratio	Lower	Upper	
232	100		
230	80.6	63.8	95.8
234	48.0	38.3	57.5

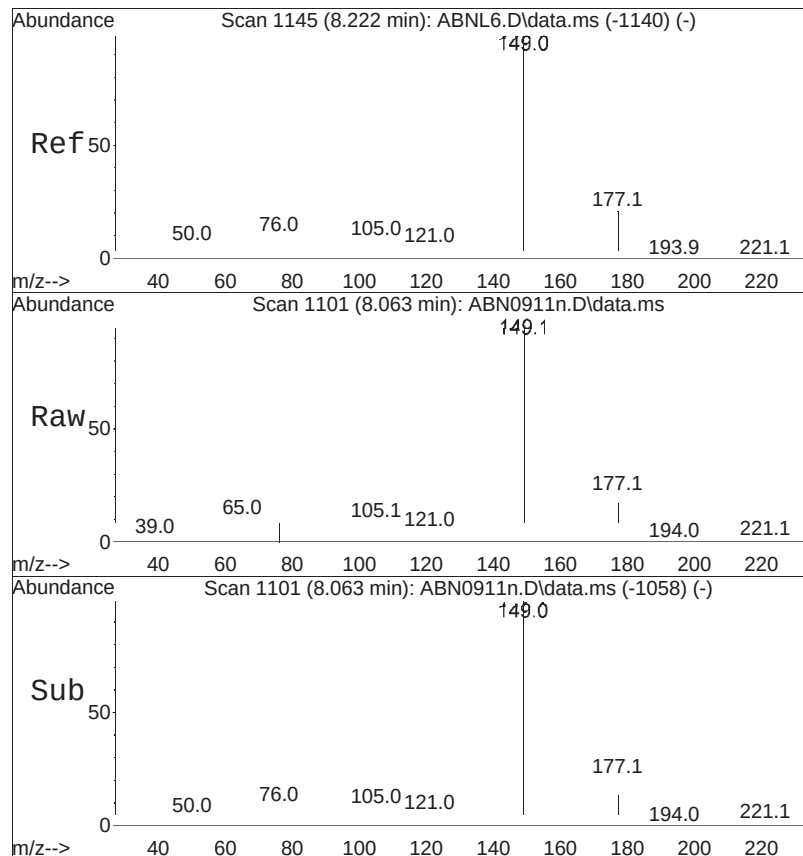




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 4.57 ug/ml
 RT: 7.934 min Scan# 1079
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

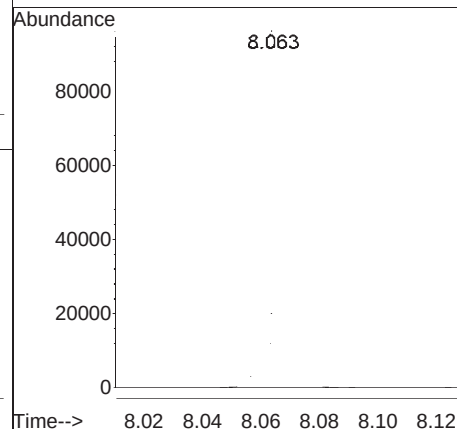
Tgt Ion	Ratio	Lower	Upper
232	100		
230	76.4	63.8	95.8
234	48.9	39.0	58.6

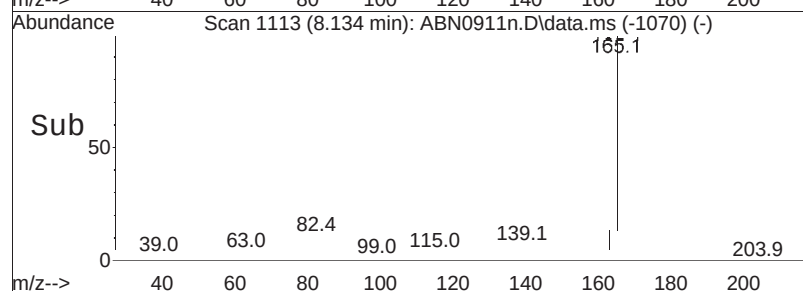
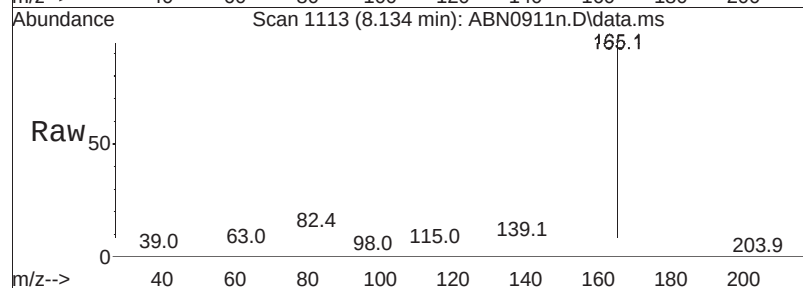
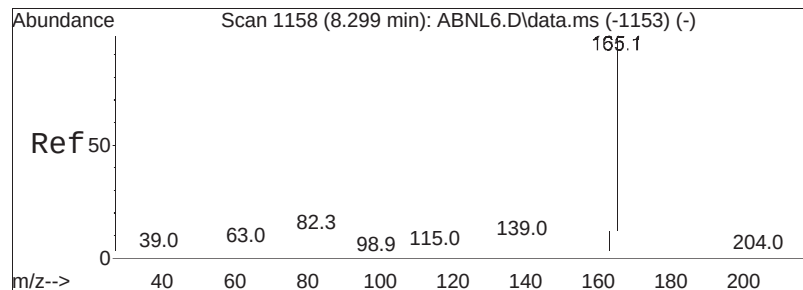




#72
 Diethyl phthalate
 Concen: 4.81 ug/ml
 RT: 8.063 min Scan# 1101
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

Tgt Ion:	149	Resp:	84265
Ion Ratio	Lower	Upper	
149	100		
177	21.8	15.0	22.6
150	12.3	9.8	14.6





#73

Fluorene

Concen: 4.88 ug/ml

RT: 8.134 min Scan# 1113

Delta R.T. 0.000 min

Lab File: ABN0911n.D

Acq: 12 Sep 2025 01:02 am

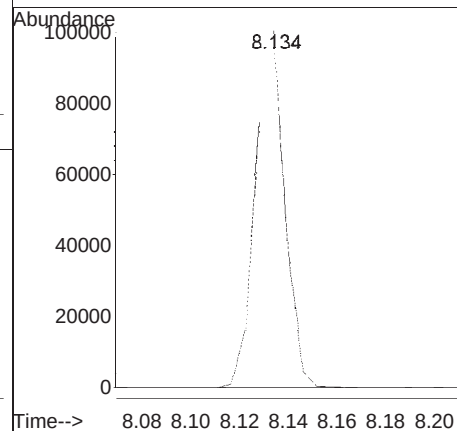
Tgt Ion:166 Resp: 81500

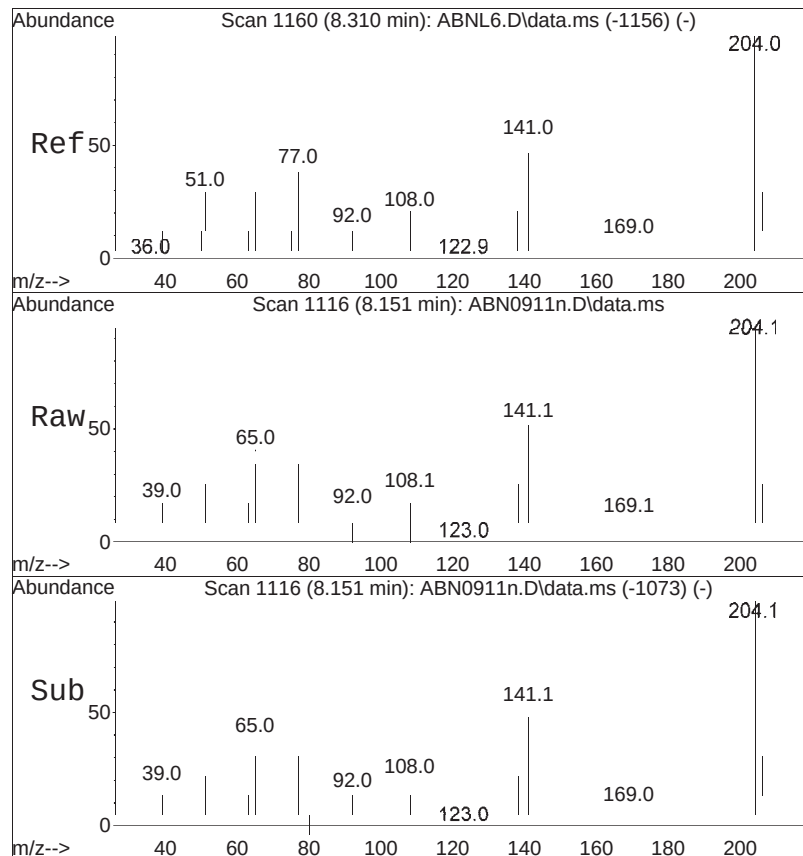
Ion Ratio Lower Upper

166 100

165 102.8 80.0 120.0

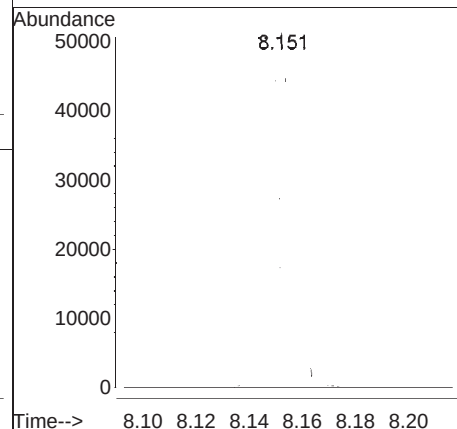
167 13.4 10.7 16.1

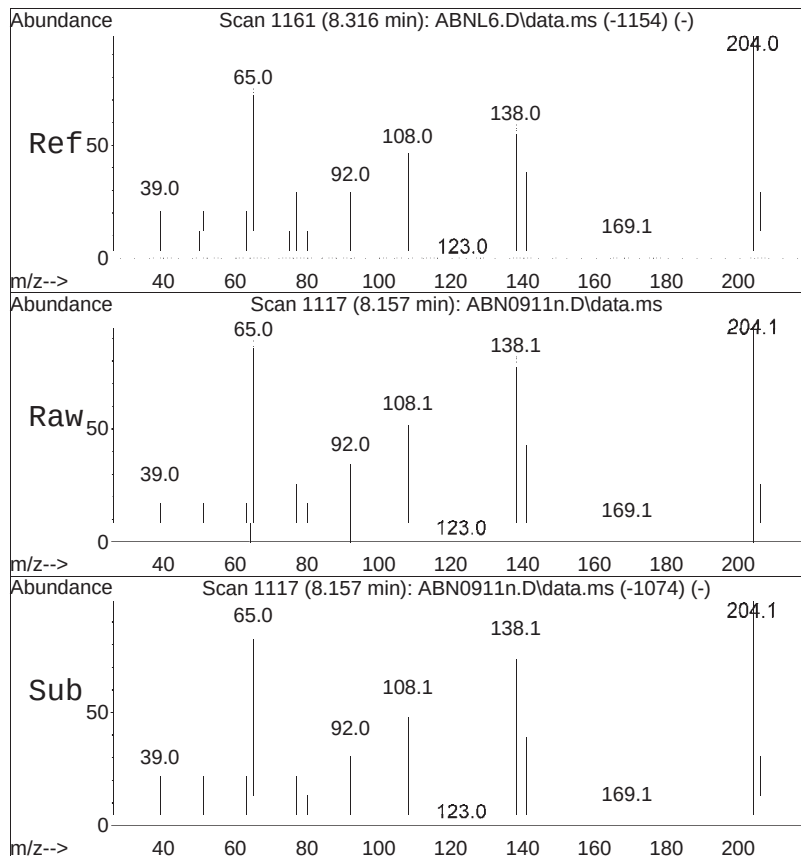




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.64 ug/ml
 RT: 8.151 min Scan# 1116
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

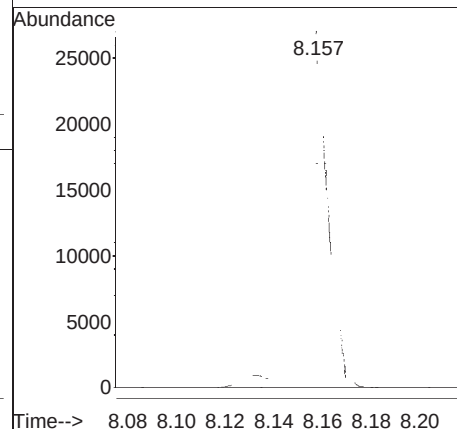
Tgt Ion:	204	Resp:	40700
Ion Ratio	Lower	Upper	
204	100		
206	33.1	26.3	39.5
141	51.8	58.4	87.6#

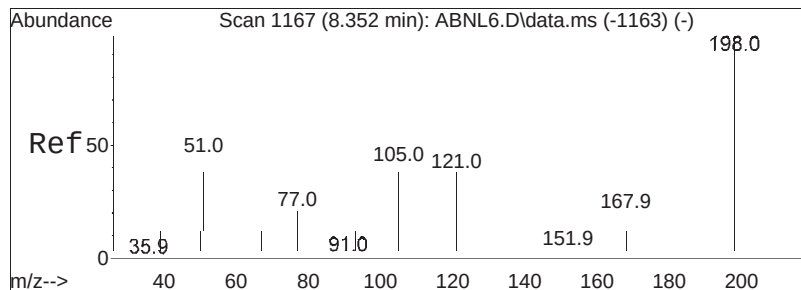




#75
 4-Nitroaniline
 Concen: 4.98 ug/ml
 RT: 8.157 min Scan# 1117
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

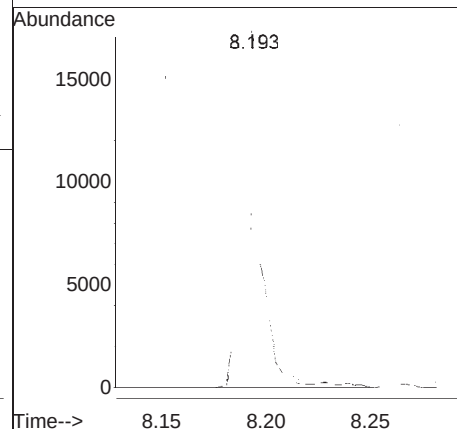
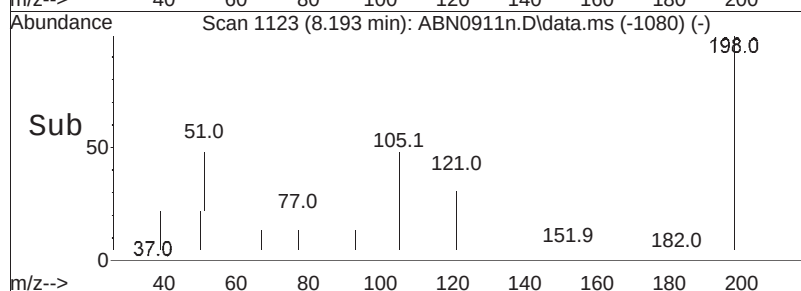
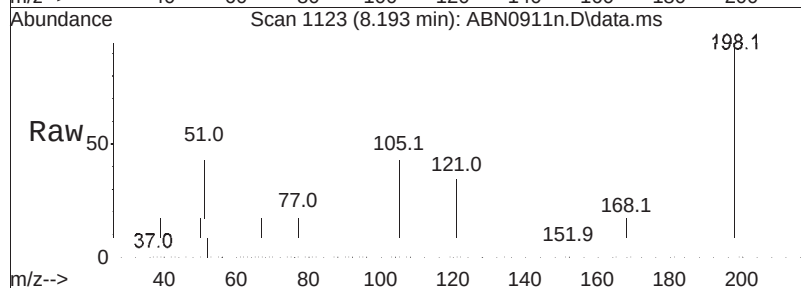
Tgt Ion:	138	Resp:	20046
Ion Ratio	Lower	Upper	
138	100		
108	68.4	59.2	88.8
65	118.5	97.6	146.4

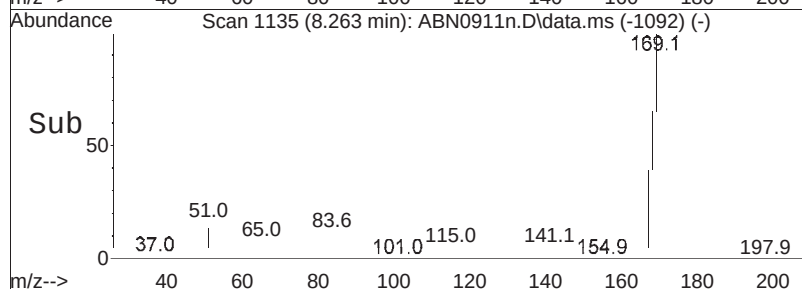
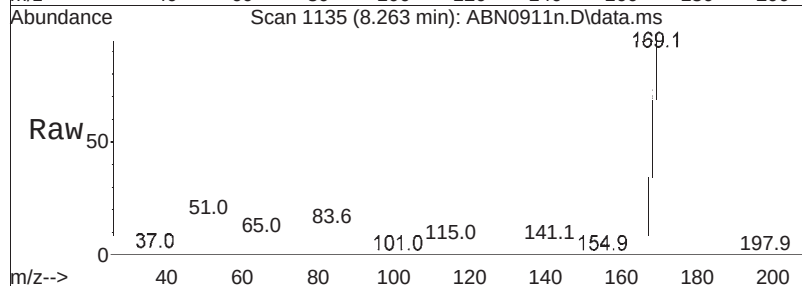
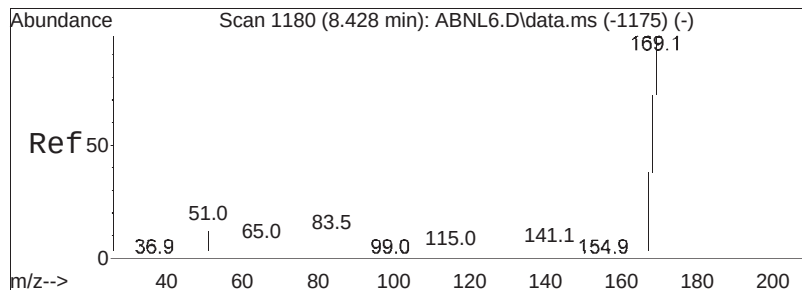




#76
 4,6-Dinitro-o-cresol
 Concen: 4.99 ug/ml
 RT: 8.193 min Scan# 1123
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

Tgt Ion	Ratio	Lower	Upper
198	100		
51	46.7	49.9	74.9#
105	42.4	45.8	68.6#





#77

NDPA/DPA

Concen: 5.03 ug/ml

RT: 8.263 min Scan# 1135

Delta R.T. 0.000 min

Lab File: ABN0911n.D

Acq: 12 Sep 2025 01:02 am

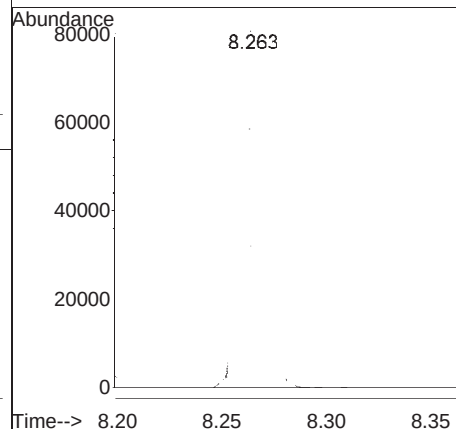
Tgt Ion:169 Resp: 70162

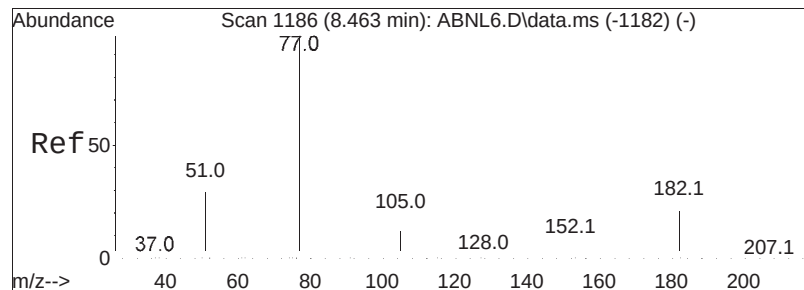
Ion Ratio Lower Upper

169 100

168 73.6 55.2 82.8

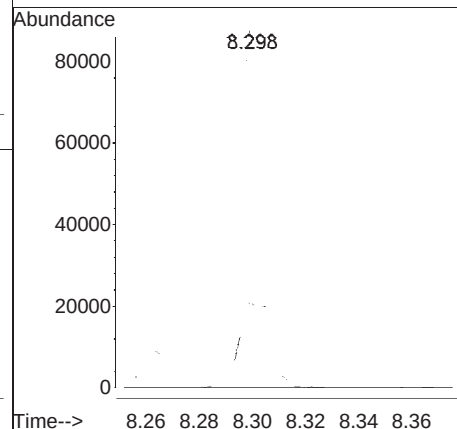
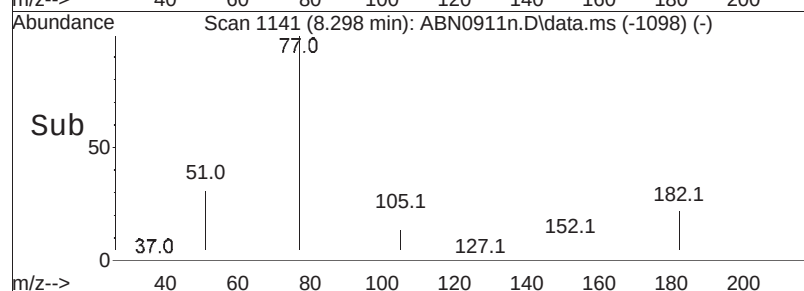
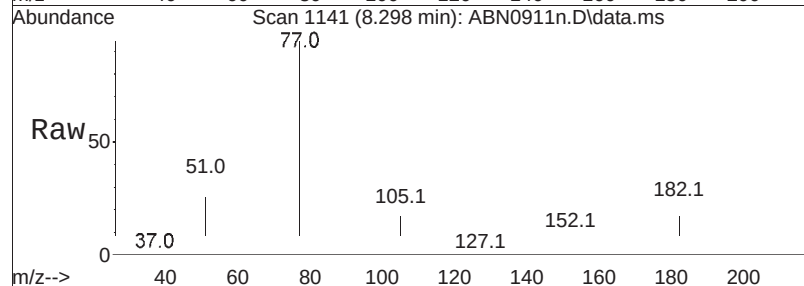
167 40.1 30.4 45.6

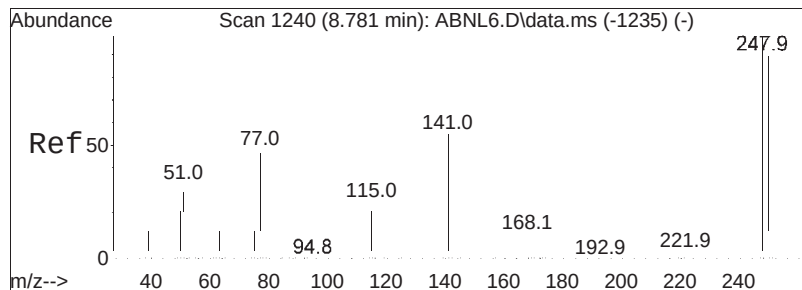




#78
 Azobenzene
 Concen: 4.67 ug/ml
 RT: 8.298 min Scan# 1141
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

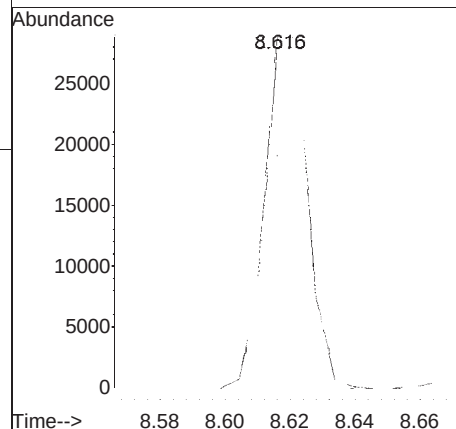
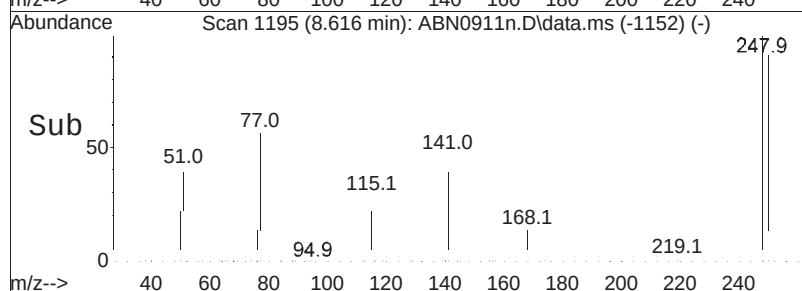
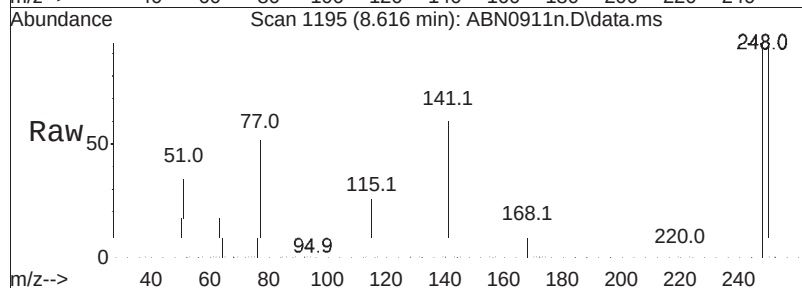
Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.9	16.2	24.2#
105	21.6	17.9	26.9

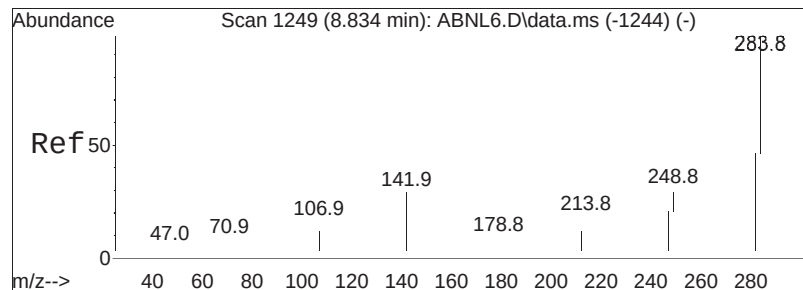




#80
 4-Bromophenyl phenyl ether
 Concen: 4.67 ug/ml
 RT: 8.616 min Scan# 1195
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

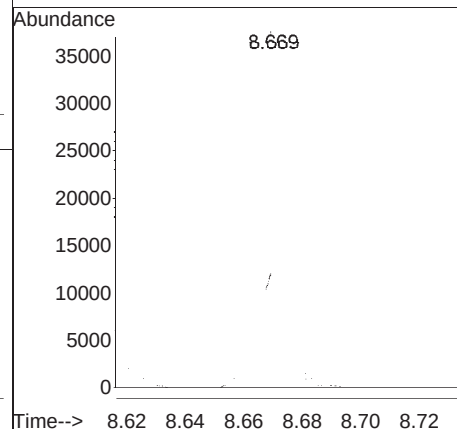
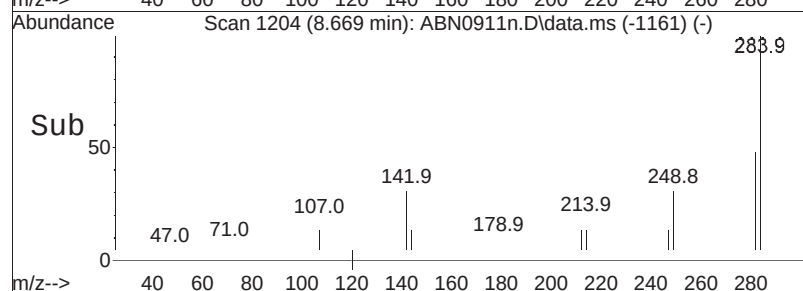
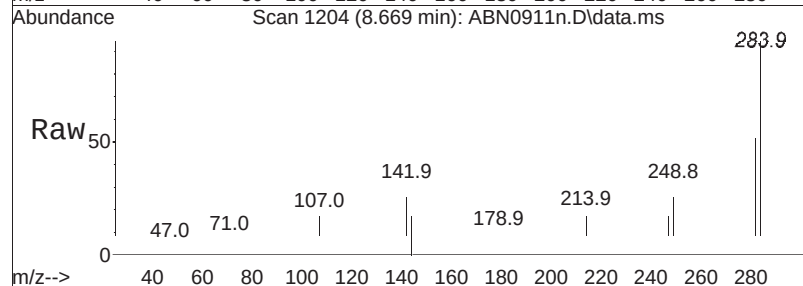
Tgt Ion:	248	Resp:	26814
Ion Ratio	Lower	Upper	
248	100		
141	60.7	74.6	111.8#
250	96.6	76.9	115.3

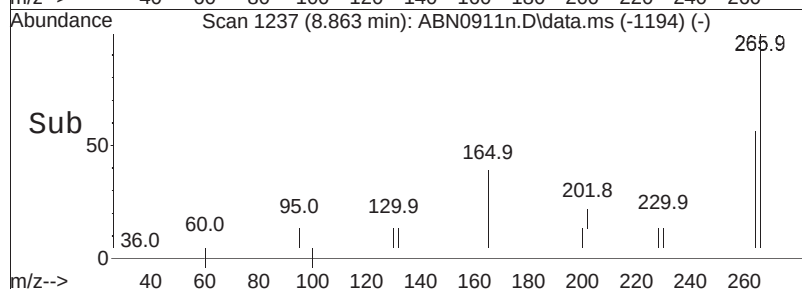
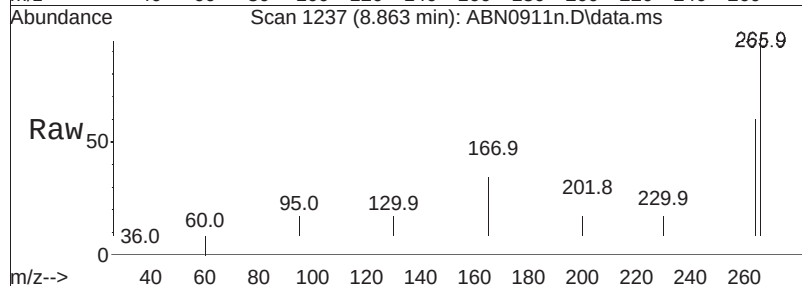
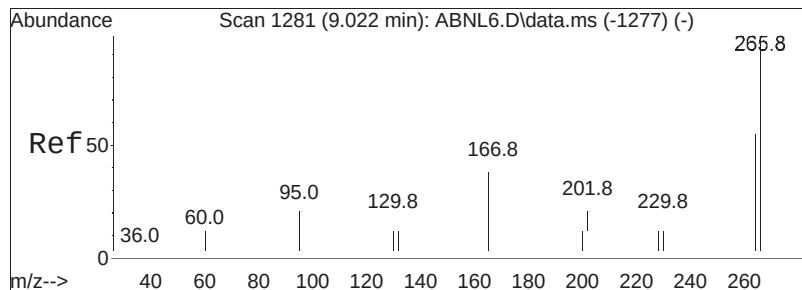




#81
 Hexachlorobenzene
 Concen: 4.57 ug/ml
 RT: 8.669 min Scan# 1204
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

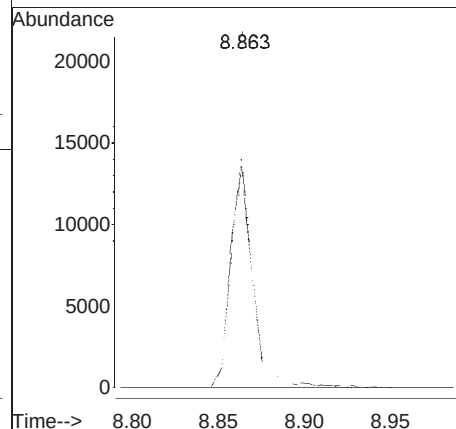
Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.4	37.6	56.4#
249	31.2	25.4	38.2

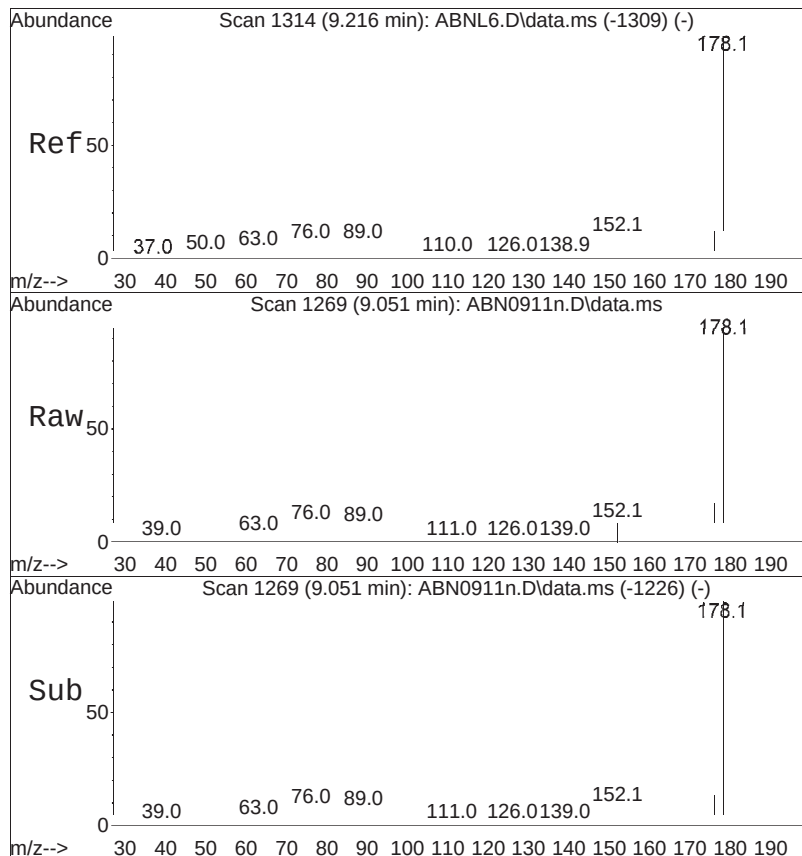




#82
 Pentachlorophenol
 Concen: 4.64 ug/ml
 RT: 8.863 min Scan# 1237
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

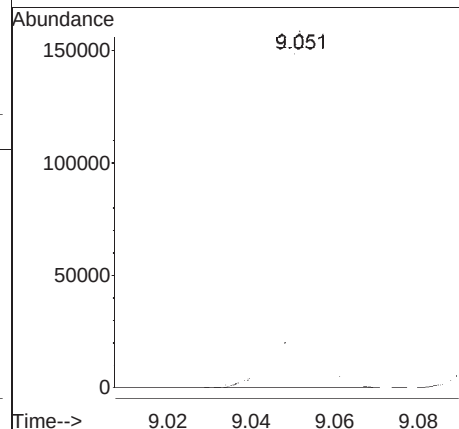
Tgt Ion:	266	Resp:	19092
Ion Ratio	Lower	Upper	
266	100		
264	60.9	50.7	76.1
268	64.0	52.5	78.7

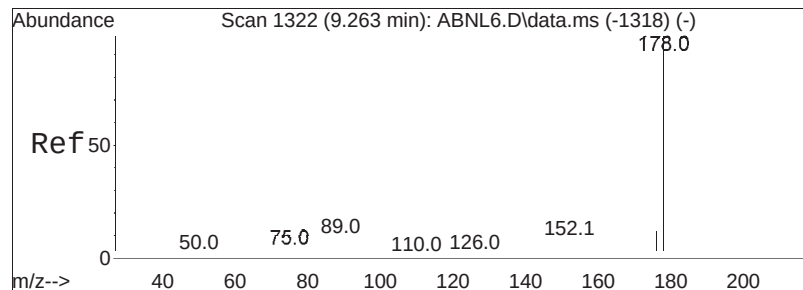




#89
 Phenanthrene
 Concen: 4.92 ug/ml M3
 RT: 9.051 min Scan# 1269
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

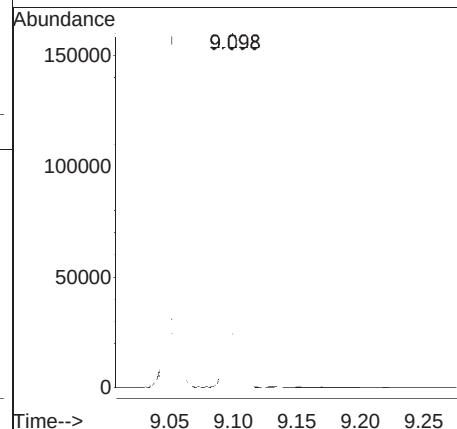
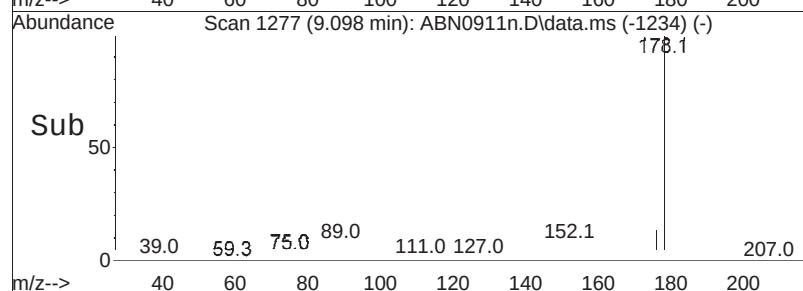
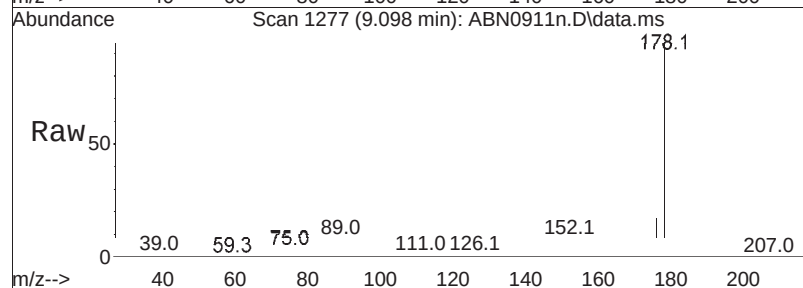
Tgt Ion:	178	Resp:	132596
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.3	18.5
176	19.2	15.4	23.2

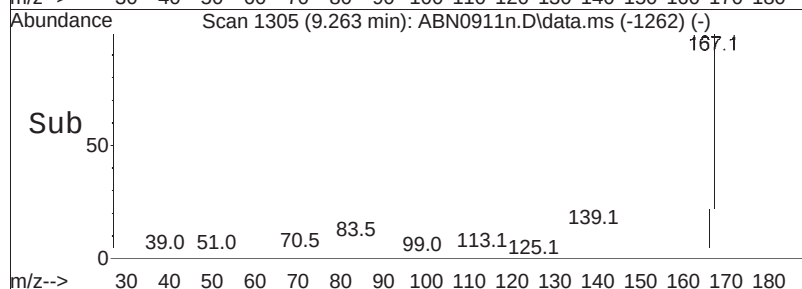
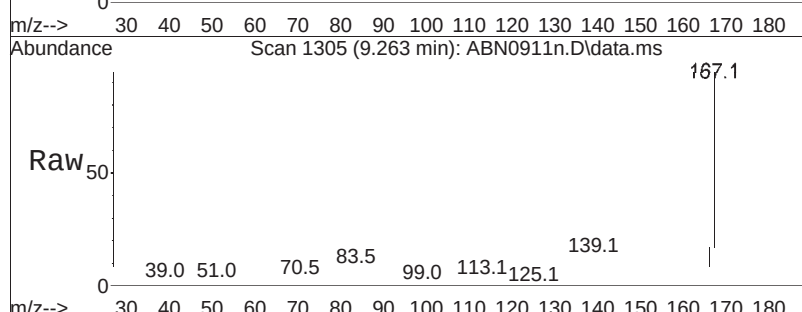
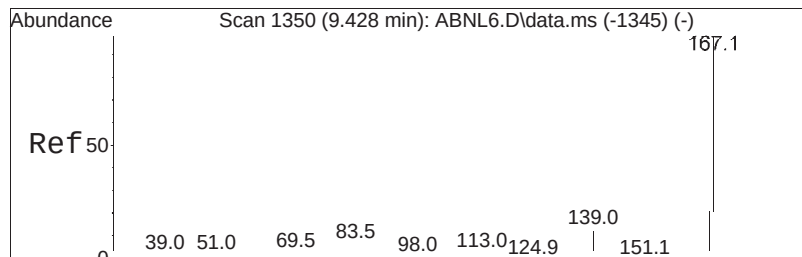




#90
 Anthracene
 Concen: 5.02 ug/ml
 RT: 9.098 min Scan# 1277
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

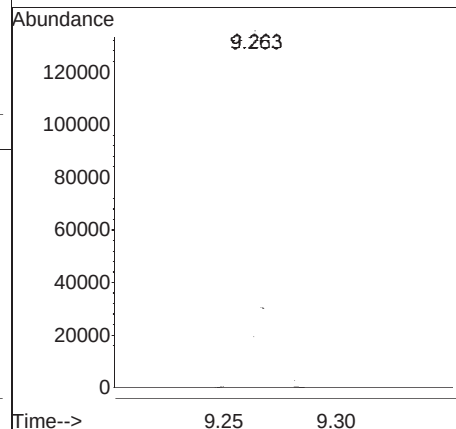
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.6	15.1	22.7

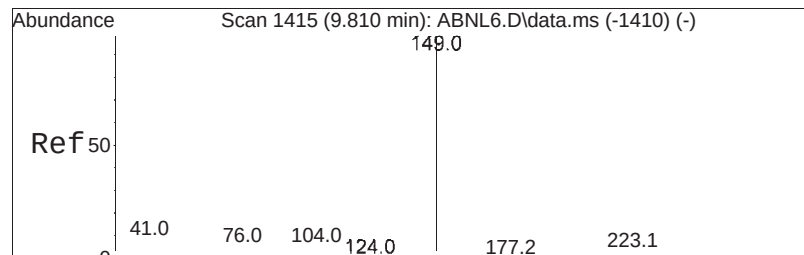




#91
 Carbazole
 Concen: 5.14 ug/ml
 RT: 9.263 min Scan# 1305
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

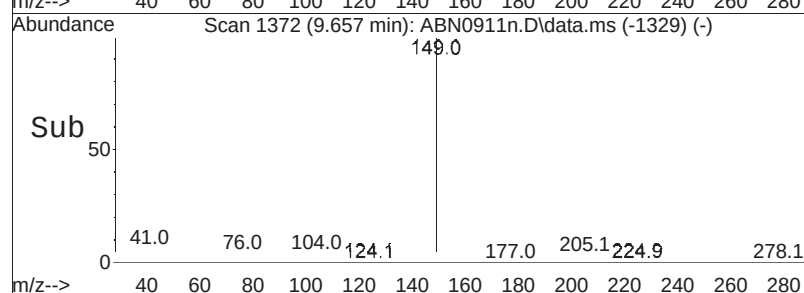
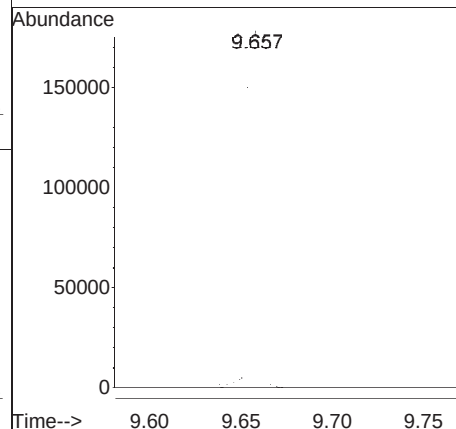
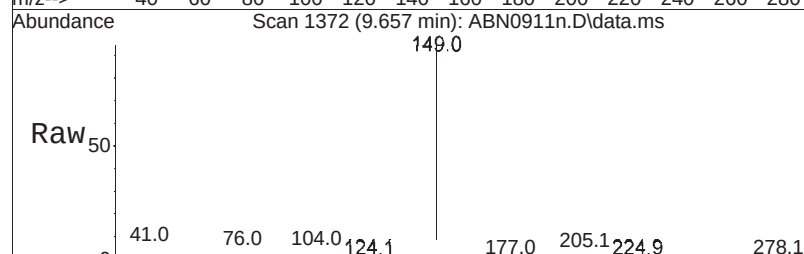
Tgt Ion:	167	Resp:	125132
Ion Ratio	Lower	Upper	
167	100		
168	13.9	10.8	16.2
166	22.9	17.7	26.5

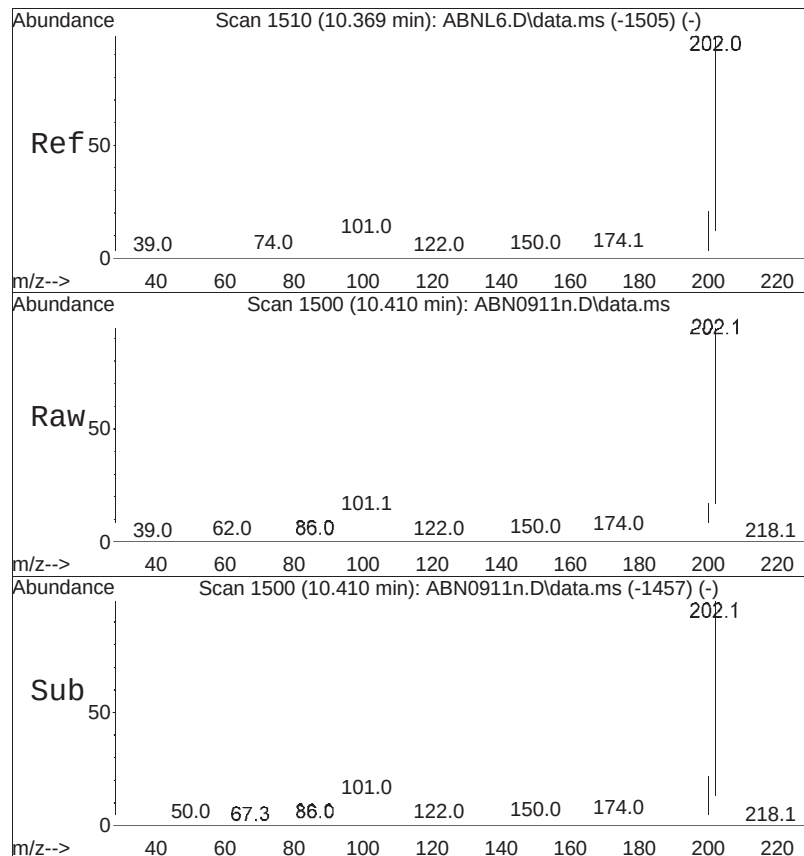




#92
 Di-n-butylphthalate
 Concen: 5.07 ug/ml
 RT: 9.657 min Scan# 1372
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

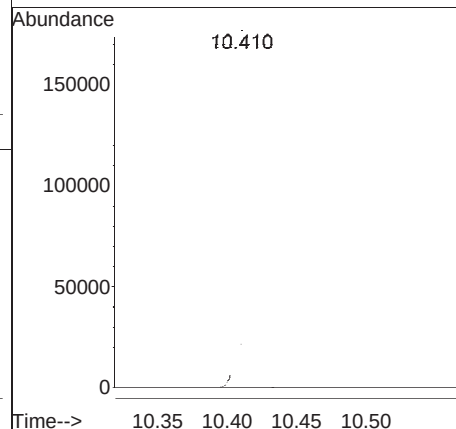
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.4	4.0	6.0

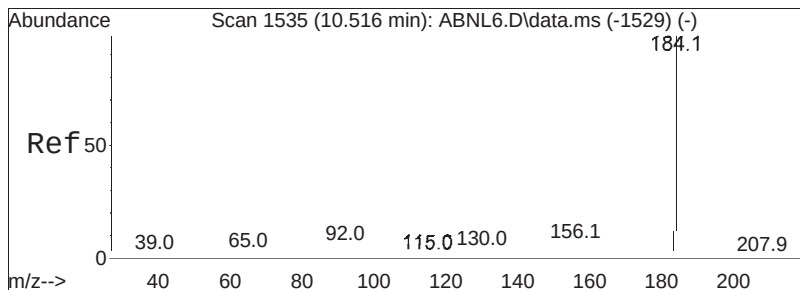




#93
 Fluoranthene
 Concen: 5.30 ug/ml
 RT: 10.410 min Scan# 1500
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	172527		
101	11.5		11.2	16.8
203	17.4		13.7	20.5





#94

Benzidine

Concen: 4.96 ug/ml

RT: 10.351 min Scan# 1490

Delta R.T. 0.000 min

Lab File: ABN0911n.D

Acq: 12 Sep 2025 01:02 am

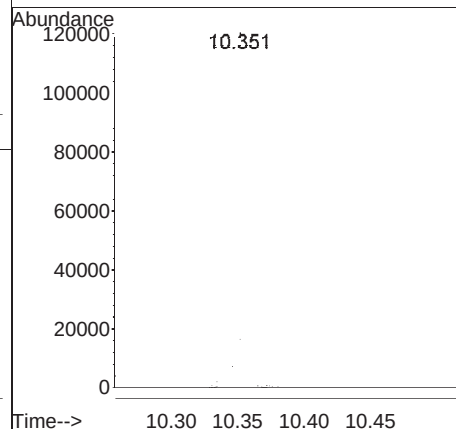
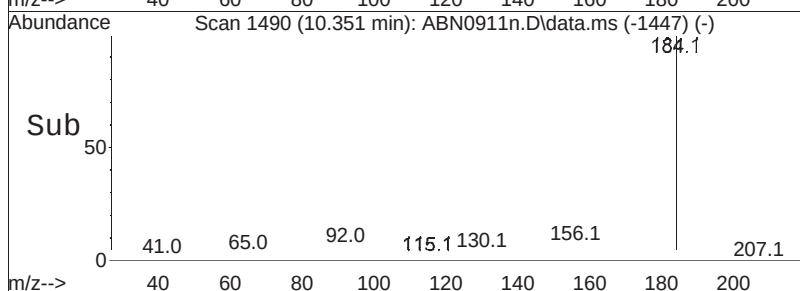
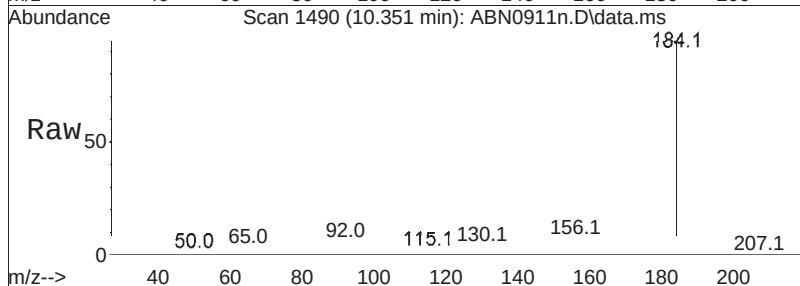
Tgt Ion:184 Resp: 104079

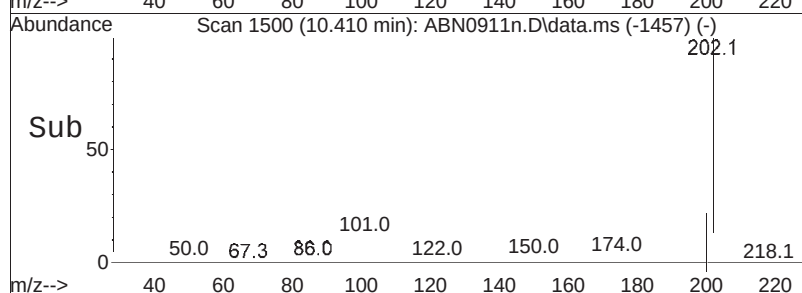
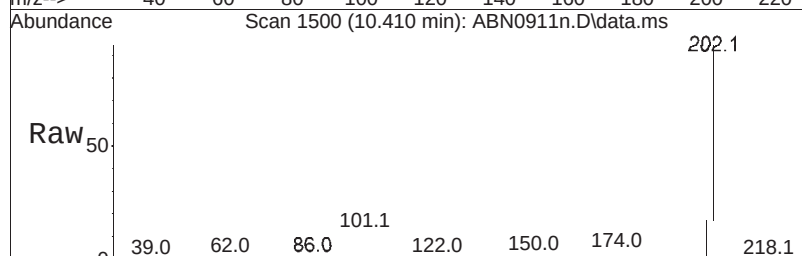
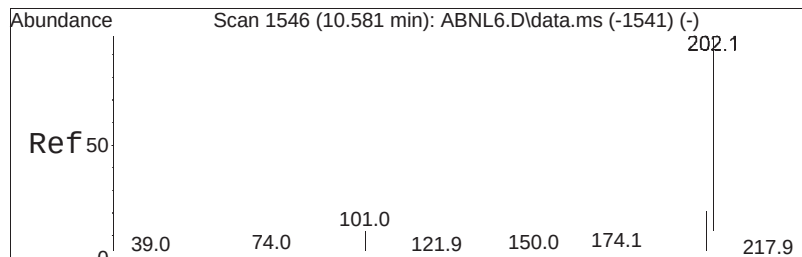
Ion Ratio Lower Upper

184 100

92 6.7 7.3 10.9#

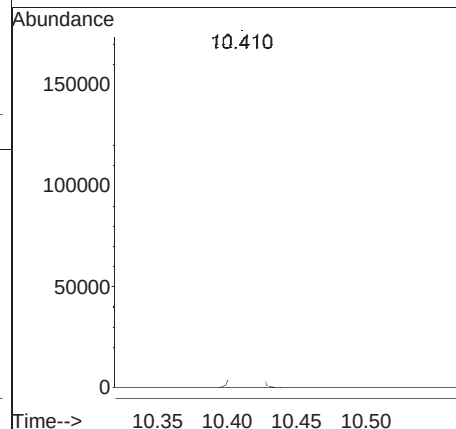
185 14.1 11.8 17.8

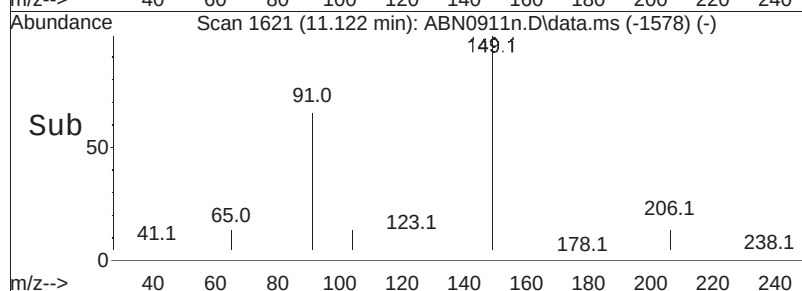
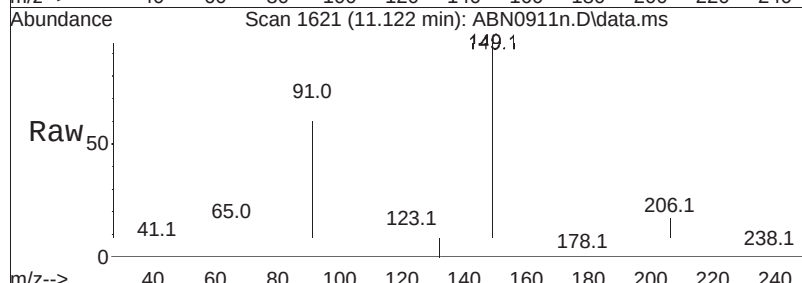
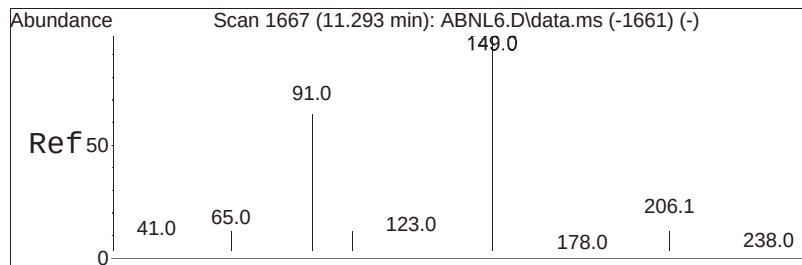




#95
 Pyrene
 Concen: 5.15 ug/ml
 RT: 10.410 min Scan# 1500
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

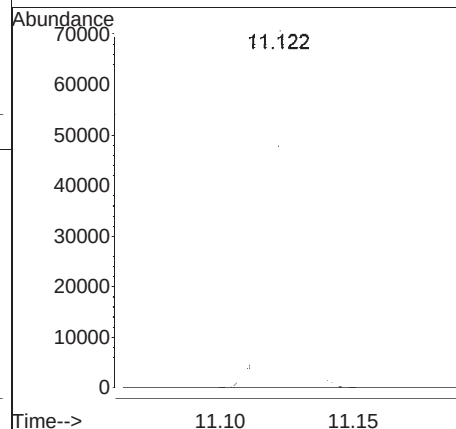
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	17.4	14.3	21.5

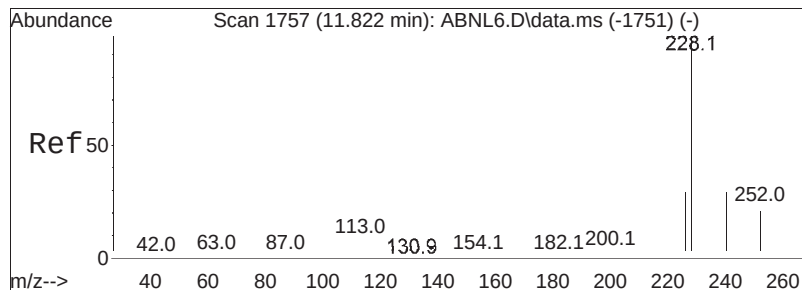




#97
 Butyl benzyl phthalate
 Concen: 4.53 ug/ml
 RT: 11.122 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

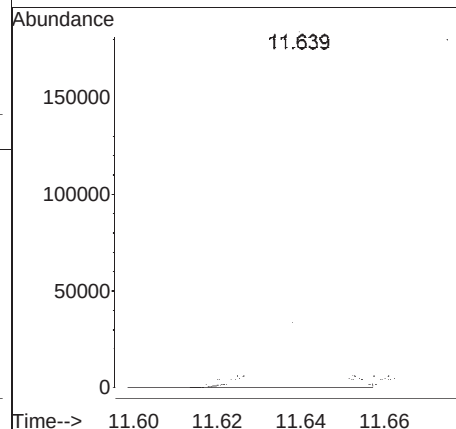
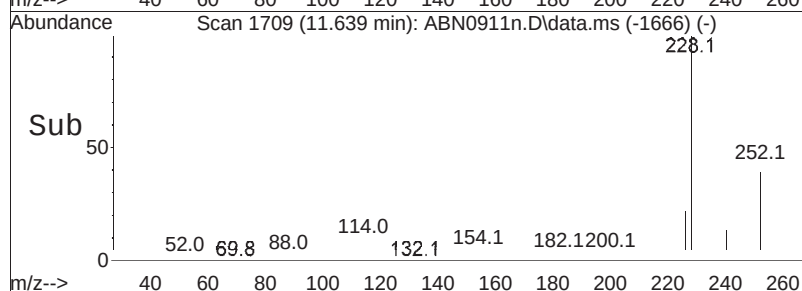
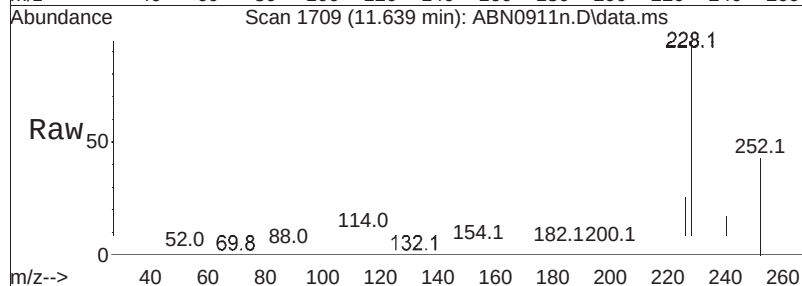
Tgt Ion:	149	Resp:	64828
Ion Ratio	Lower	Upper	
149	100		
91	65.2	57.9	86.9
206	18.4	11.9	17.9#

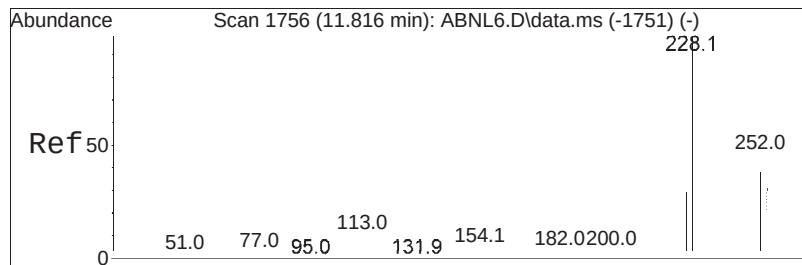




#105
 Benzo(a)anthracene
 Concen: 4.87 ug/ml M3
 RT: 11.639 min Scan# 1709
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

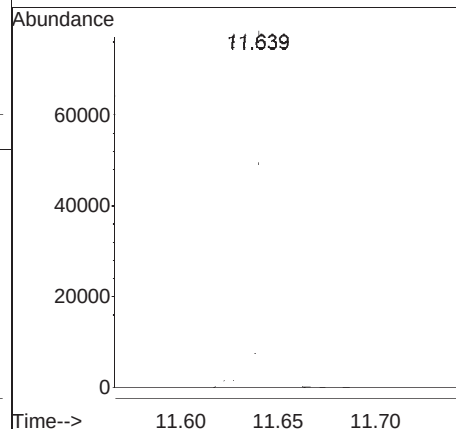
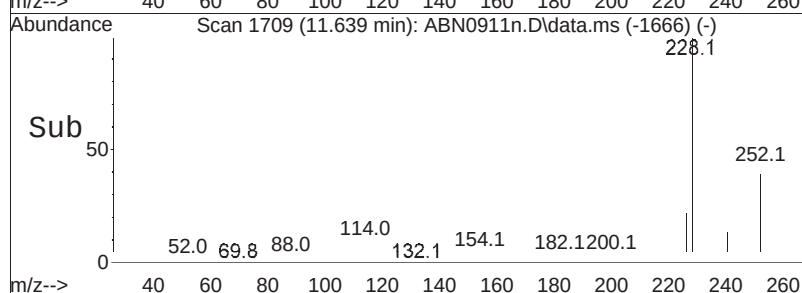
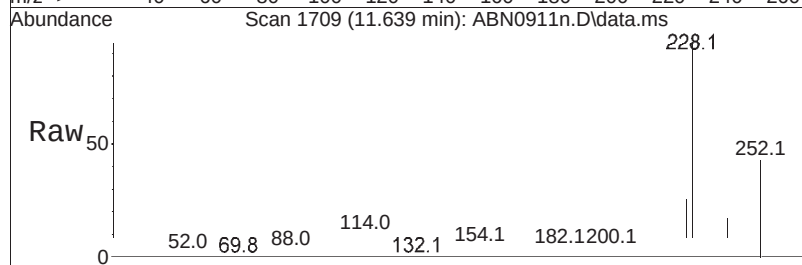
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	34.0
229	19.6	15.8	23.6

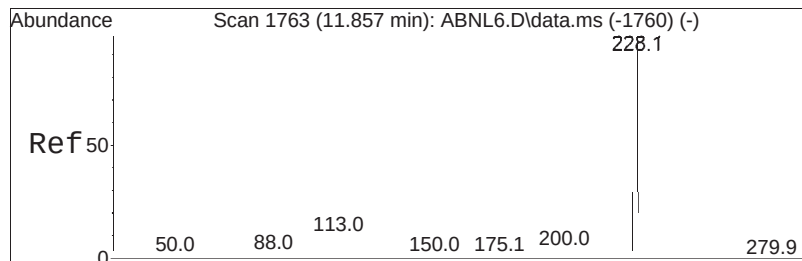




#106
 3,3'-Dichlorobenzidine
 Concen: 5.25 ug/ml
 RT: 11.639 min Scan# 1709
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

Tgt Ion	Ratio	Lower	Upper
252	100		
126	11.0	12.6	19.0#
254	64.4	51.1	76.7





#107

Chrysene

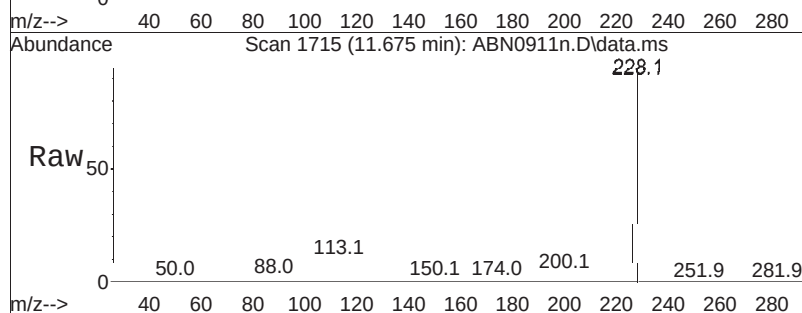
Concen: 4.94 ug/ml

RT: 11.675 min Scan# 1715

Delta R.T. 0.000 min

Lab File: ABN0911n.D

Acq: 12 Sep 2025 01:02 am



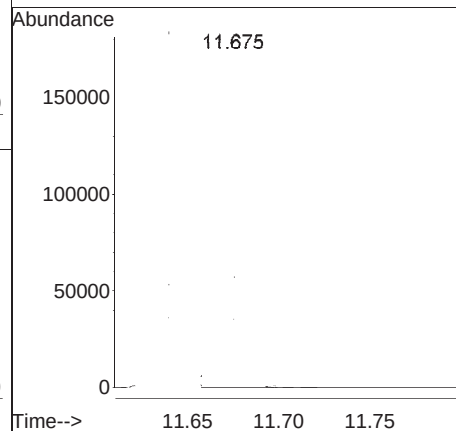
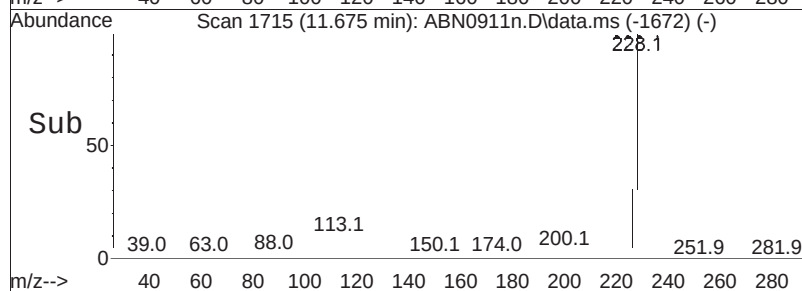
Tgt Ion: 228 Resp: 166349

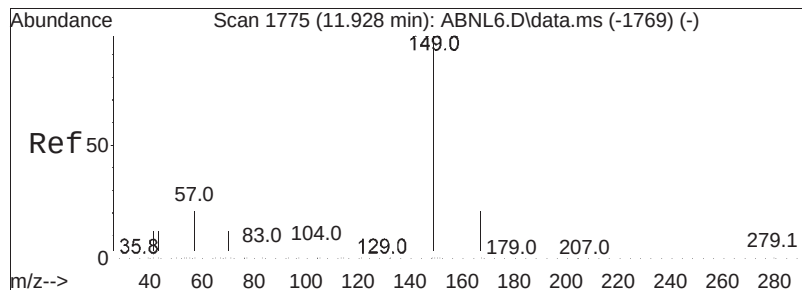
Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

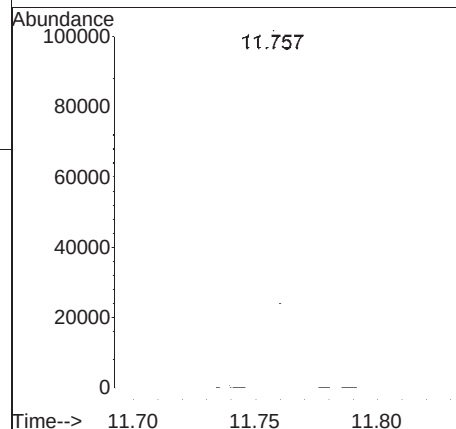
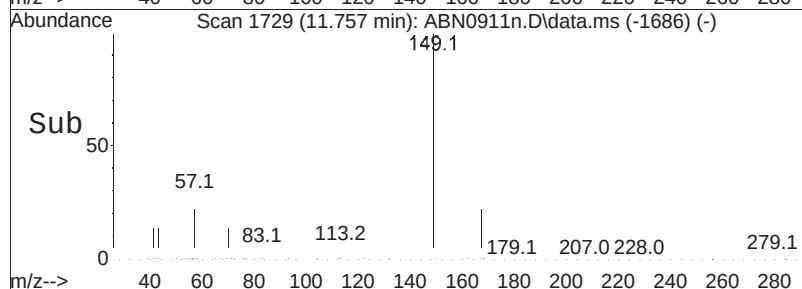
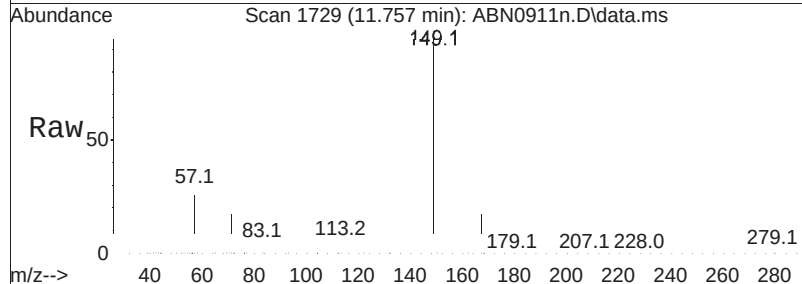
229 19.6 15.5 23.3

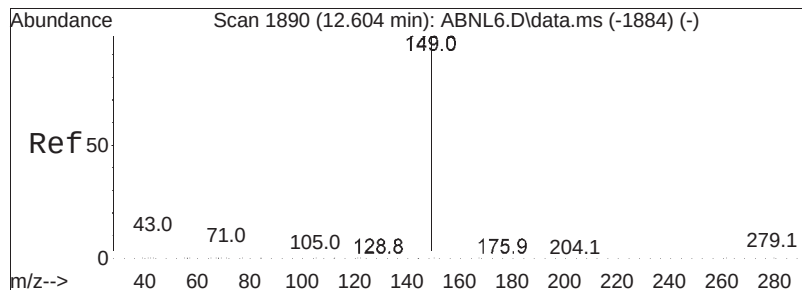




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 4.42 ug/ml
 RT: 11.757 min Scan# 1729
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

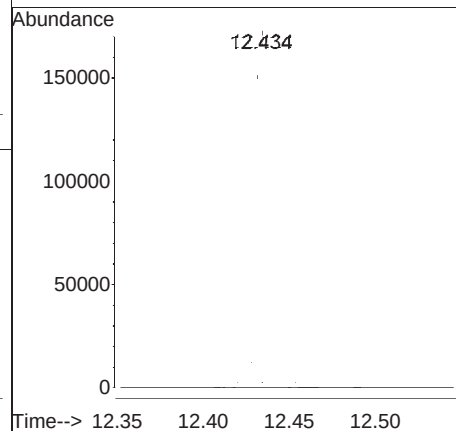
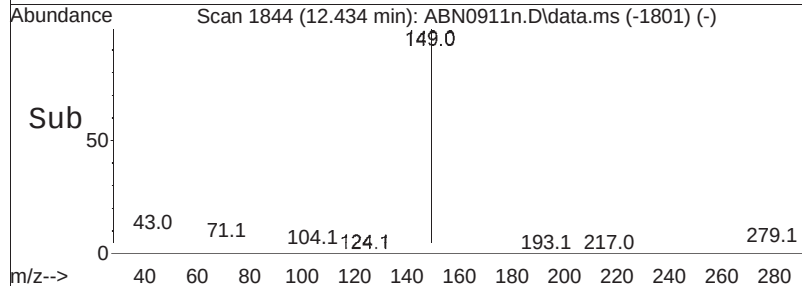
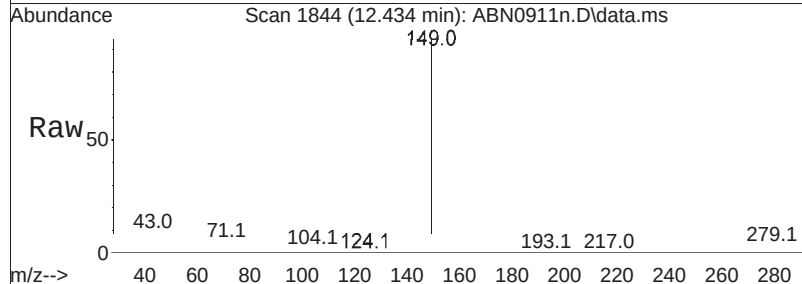
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.5	18.4	27.6
279	2.7	1.7	2.5

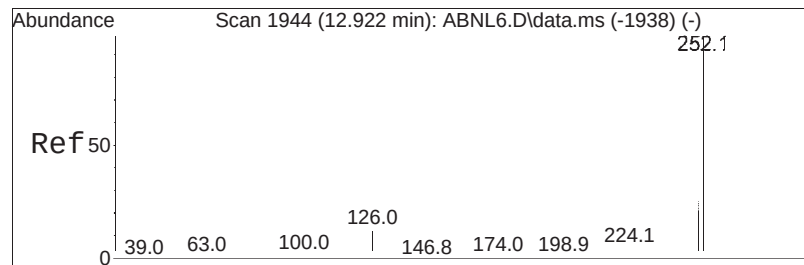




#109
 Di-n-octylphthalate
 Concen: 4.10 ug/ml
 RT: 12.434 min Scan# 1844
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

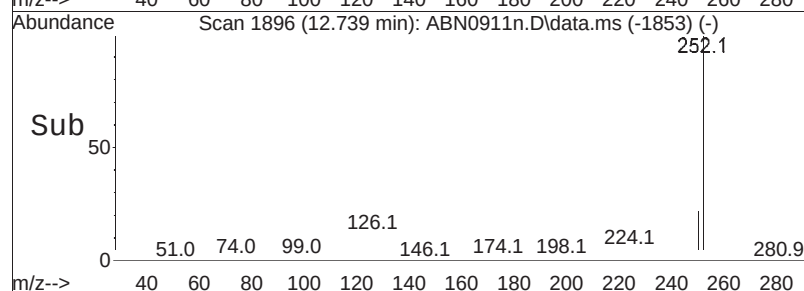
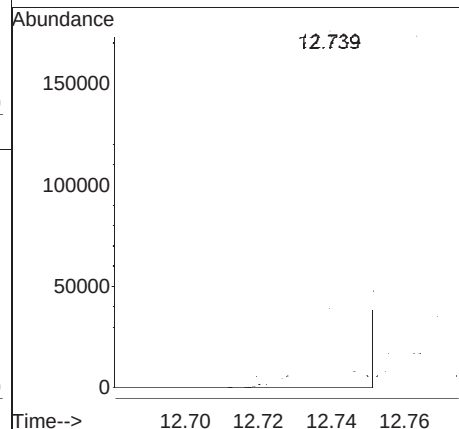
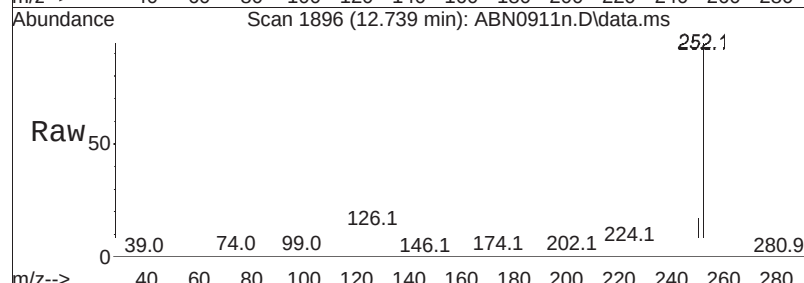
Tgt Ion	Ratio	Lower	Upper
149	100		
43	9.5	8.2	12.2
167	1.4	1.1	1.7

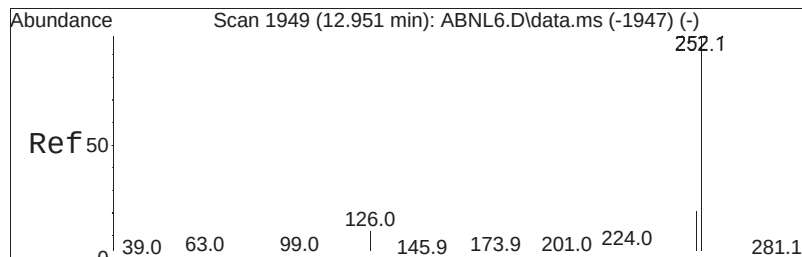




#110
 Benzo(b)fluoranthene
 Concen: 5.13 ug/ml
 RT: 12.739 min Scan# 1896
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

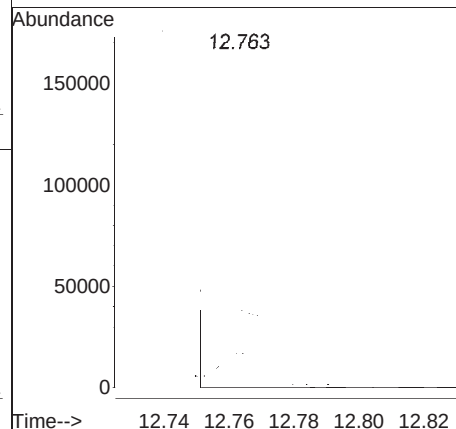
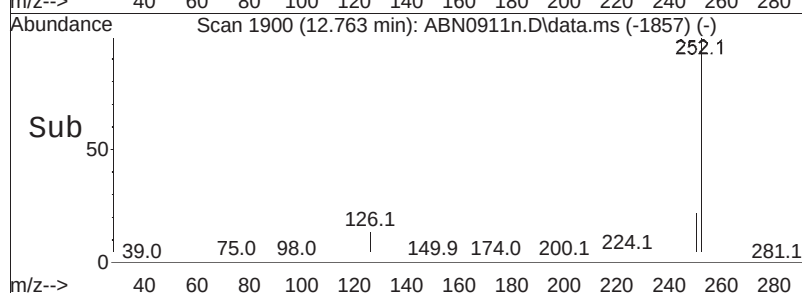
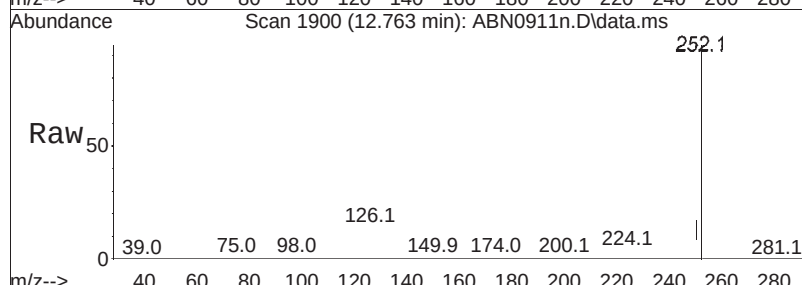
Tgt Ion	Ratio	Lower	Upper
252	100		
125	10.0	11.3	16.9#
253	22.5	17.8	26.8

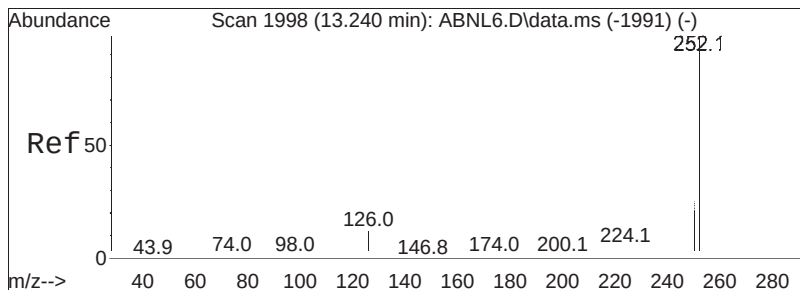




#111
 Benzo(k)fluoranthene
 Concen: 5.13 ug/ml M3
 RT: 12.763 min Scan# 1900
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

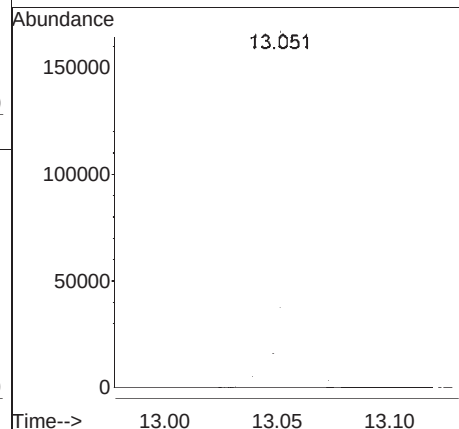
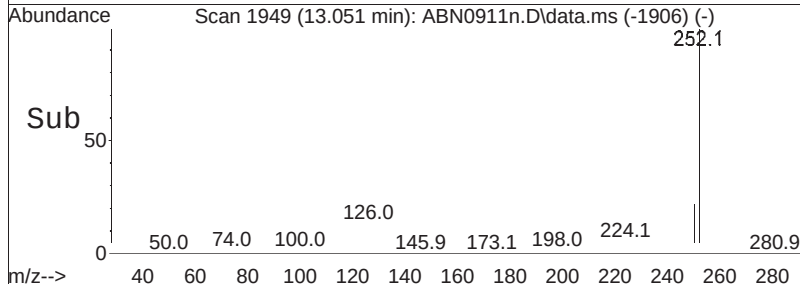
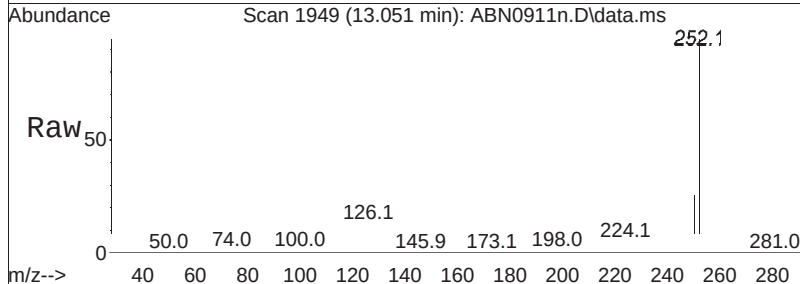
Tgt Ion	Ratio	Lower	Upper
252	100		
125	10.3	11.5	17.3#
253	23.0	17.6	26.4

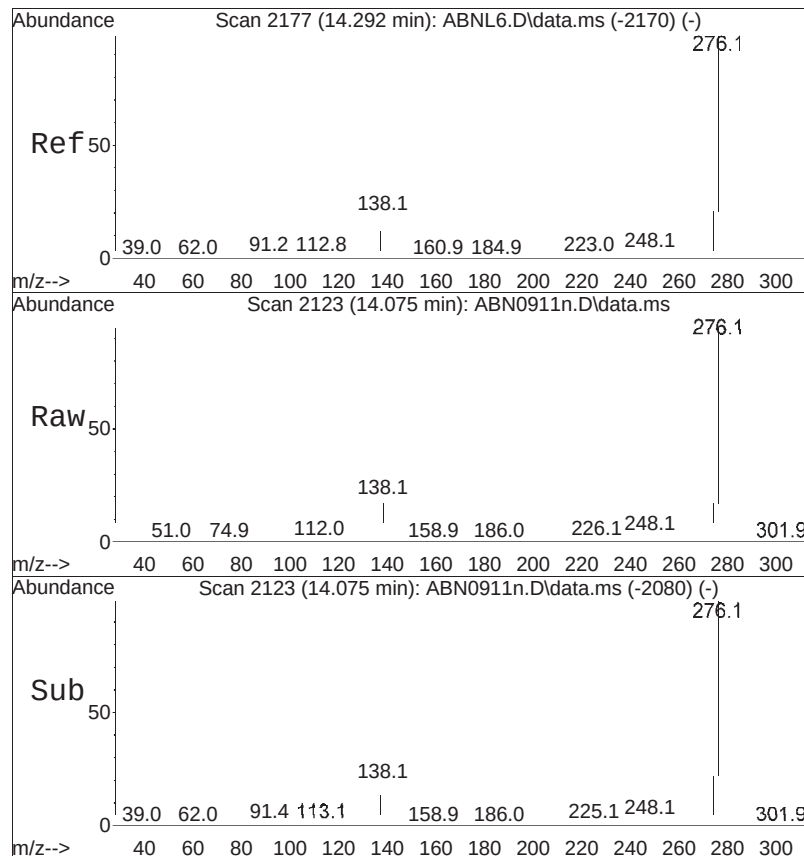




#112
 Benzo(a)pyrene
 Concen: 5.17 ug/ml
 RT: 13.051 min Scan# 1949
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

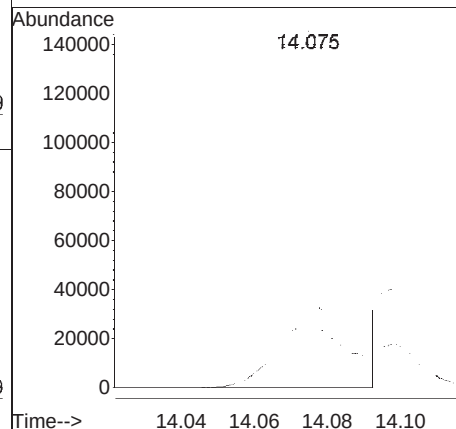
Tgt Ion:	252	Resp:	170083
Ion Ratio	Lower	Upper	
252	100		
125	10.7	12.6	18.8#
253	22.3	17.5	26.3

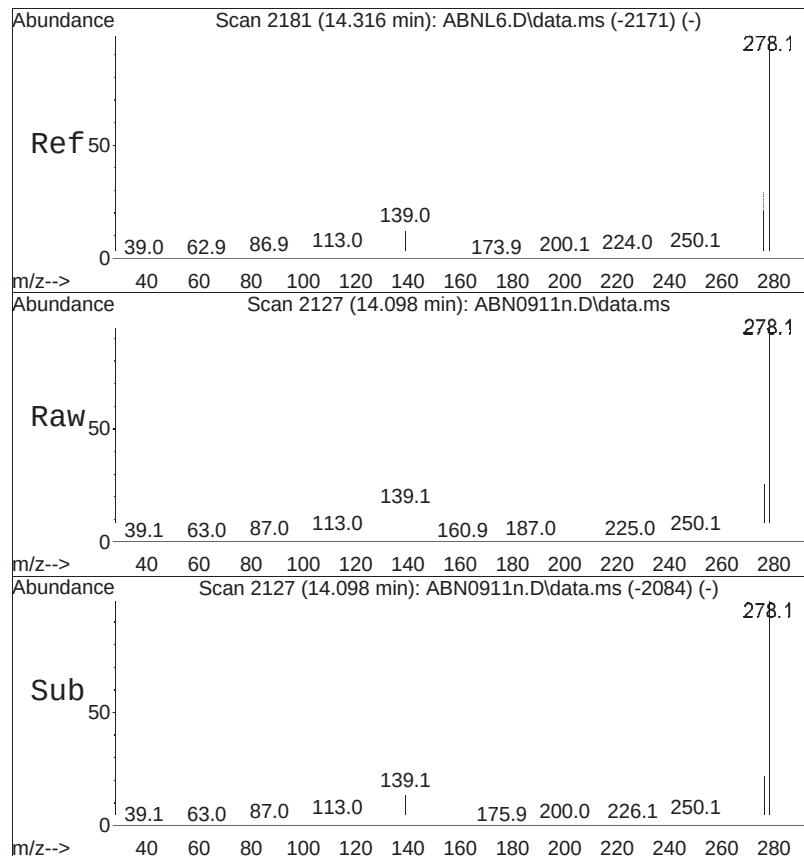




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 5.31 ug/mL M6
 RT: 14.075 min Scan# 2123
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

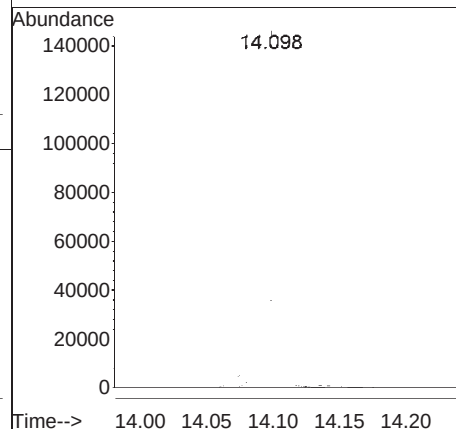
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	22.1	33.1
277	31.0	19.0	28.6

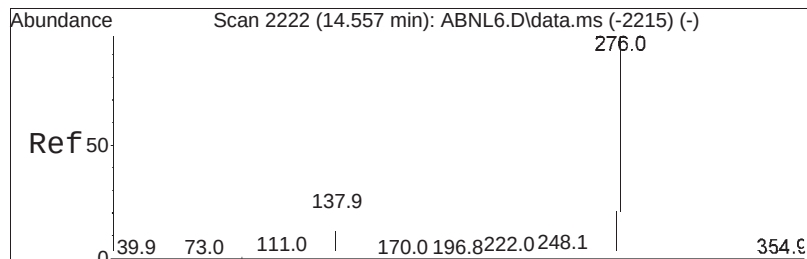




#115
 Dibenzo(a,h)anthracene
 Concen: 5.33 ug/ml
 RT: 14.098 min Scan# 2127
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

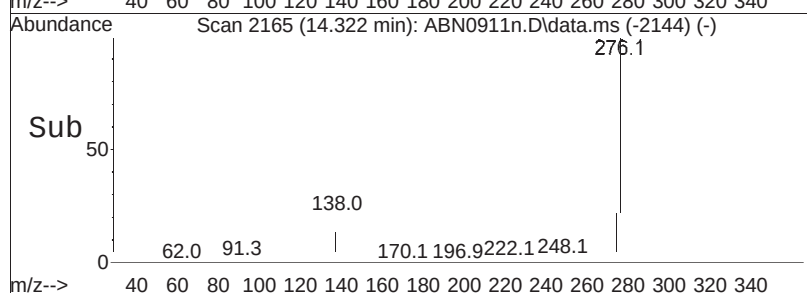
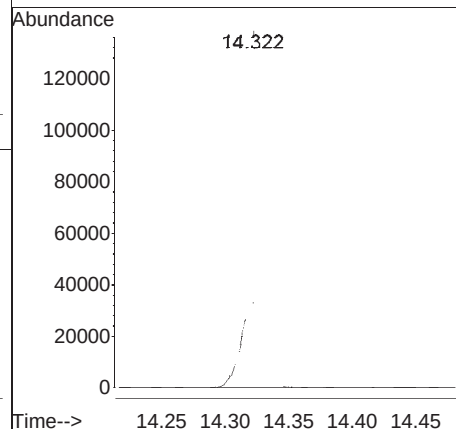
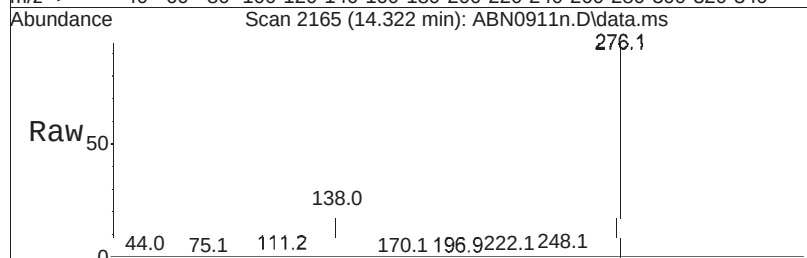
Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.4	17.8	26.8#
279	24.0	19.2	28.8





#116
 Benzo(ghi)perylene
 Concen: 5.13 ug/ml
 RT: 14.322 min Scan# 2165
 Delta R.T. 0.000 min
 Lab File: ABN0911n.D
 Acq: 12 Sep 2025 01:02 am

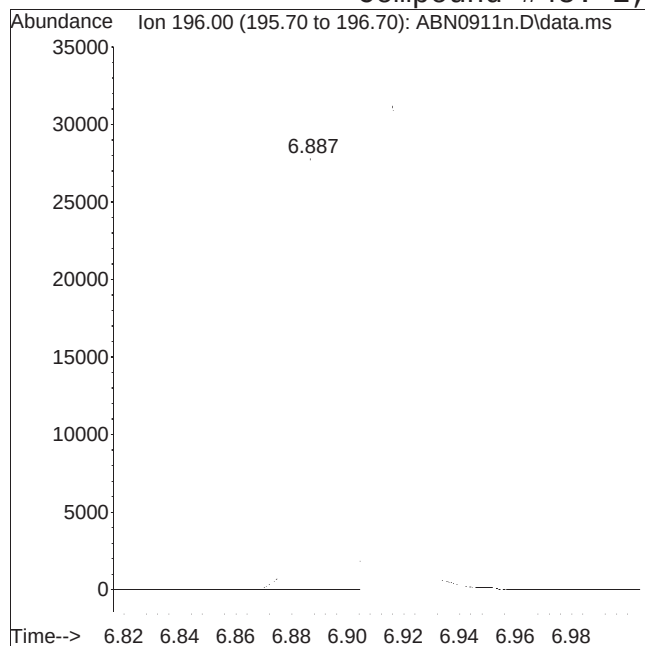
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	21.9	32.9#
277	23.6	18.4	27.6



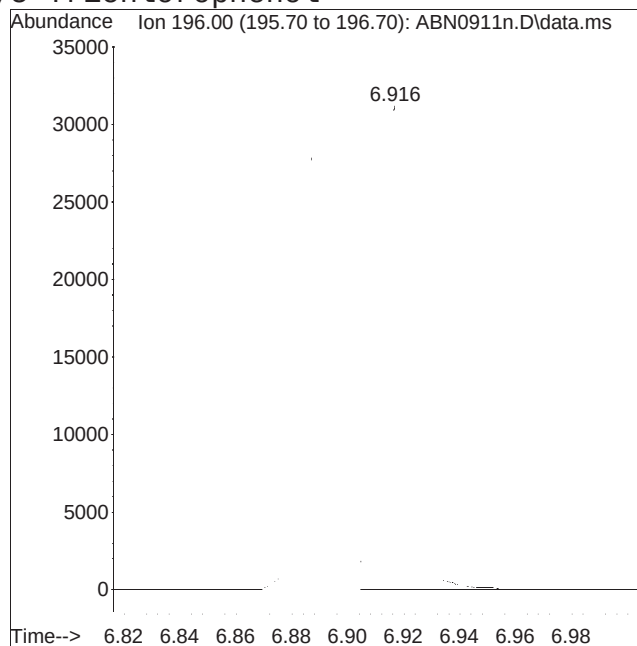
Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : ABN0911n.D Operator : SV112:ljb
Date Inj'd : 9/12/2025 1:02 am Instrument : SV112
Sample : WG2113687-3,32,,ABN RVT CC Quant Date 9/12/2025 1:30 am

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 23255



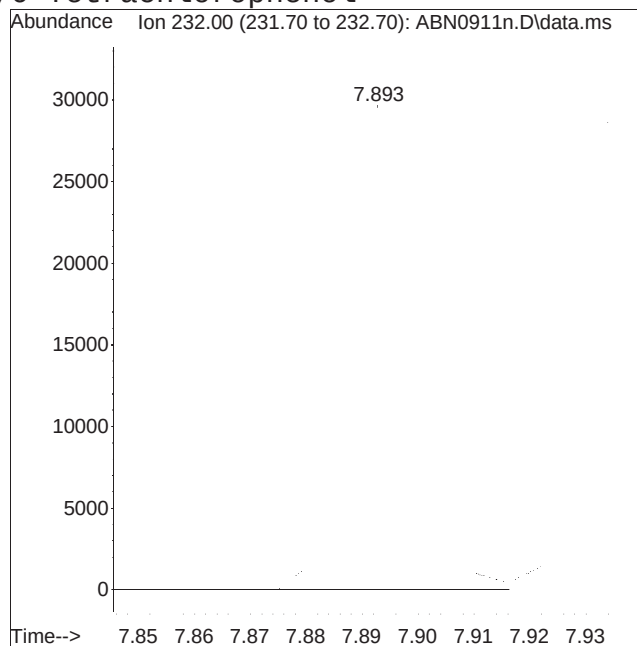
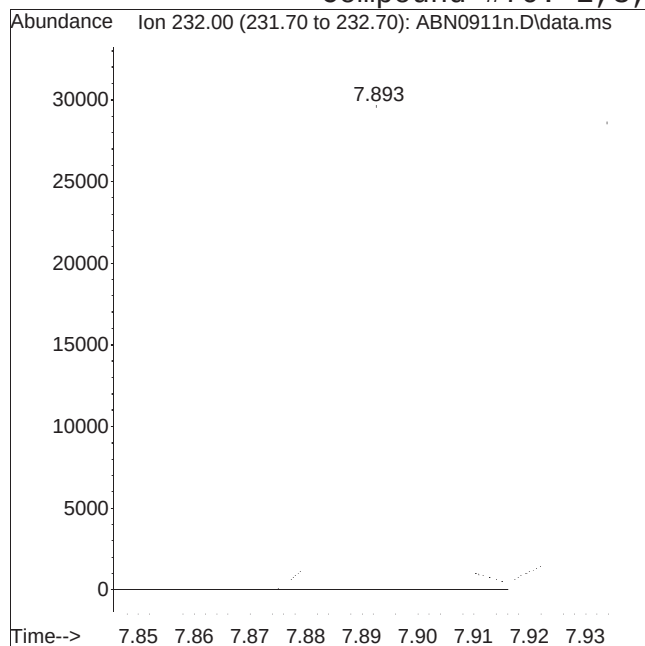
Manual Peak Response = 24883 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : ABN0911n.D Operator : SV112:ljb
Date Inj'd : 9/12/2025 1:02 am Instrument : SV112
Sample : WG2113687-3,32,,ABN RVT CCQuant Date

Compound #70: 2,3,5,6-Tetrachlorophenol



Original Peak Response = 23728

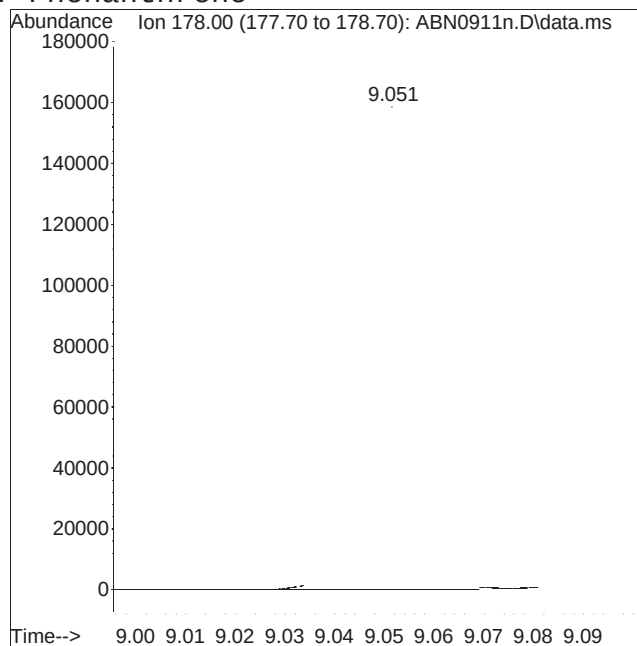
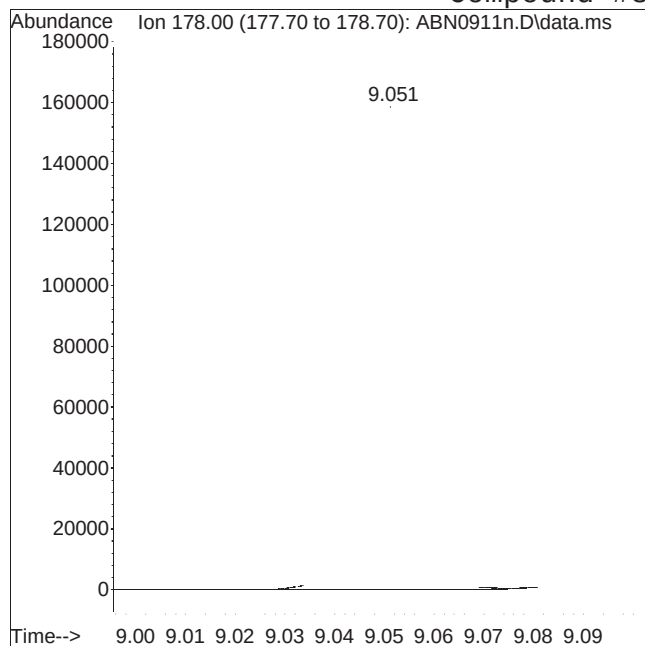
Manual Peak Response = 23728 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : ABN0911n.D Operator : SV112:ljb
Date Inj'd : 9/12/2025 1:02 am Instrument : SV112
Sample : WG2113687-3,32,,ABN RVT CCQuant Date

Compound #89: Phenanthrene



Original Peak Response = 132712

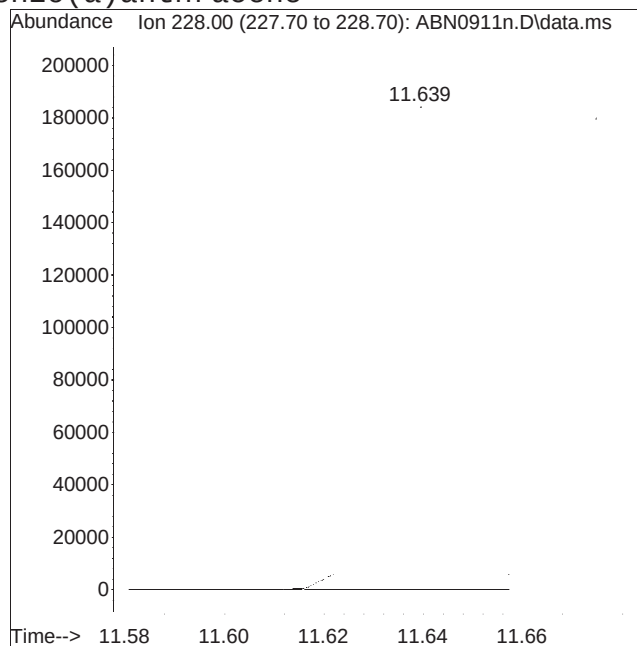
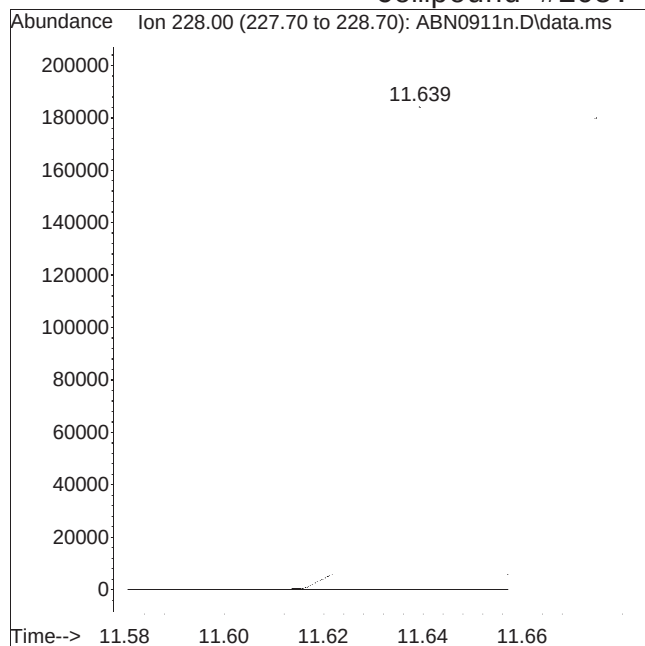
Manual Peak Response = 132596 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : ABN0911n.D Operator : SV112:ljl
Date Inj'd : 9/12/2025 1:02 am Instrument : SV112
Sample : WG2113687-3,32,,ABN RVT CCQuant Date

Compound #105: Benzo(a)anthracene



Original Peak Response = 176637

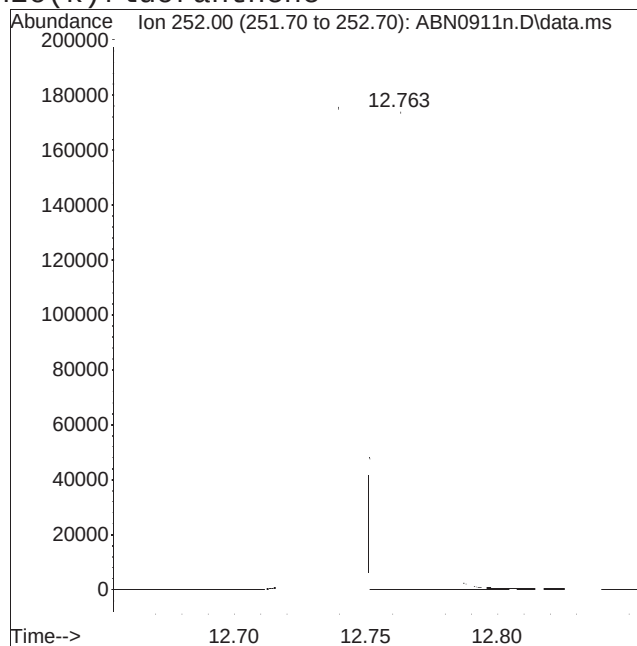
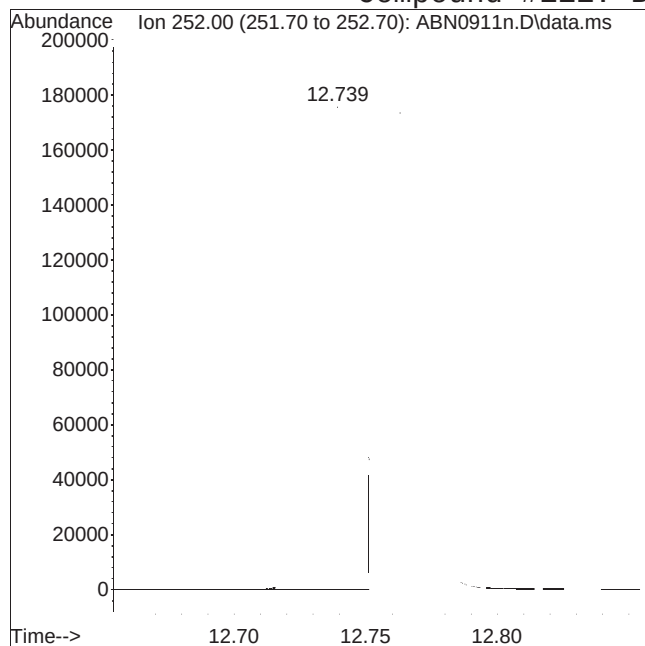
Manual Peak Response = 176494 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : ABN0911n.D Operator : SV112:ljb
Date Inj'd : 9/12/2025 1:02 am Instrument : SV112
Sample : WG2113687-3,32,,ABN RVT CCQuant Date

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 182144

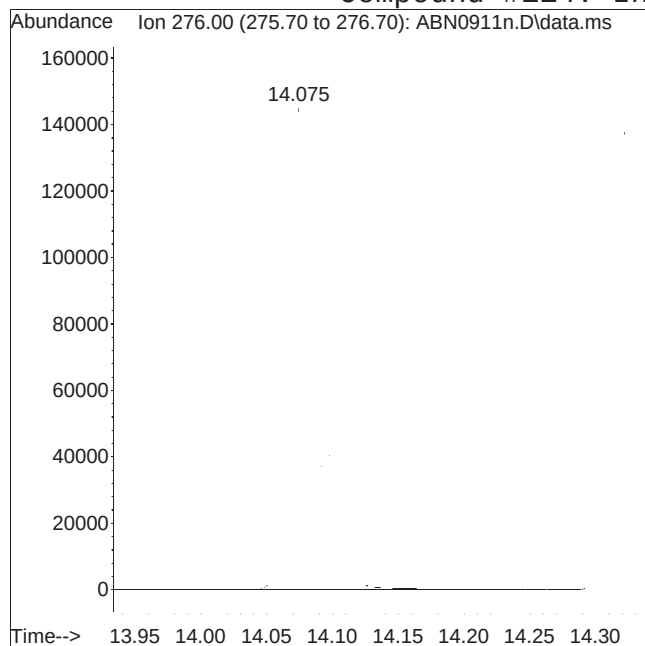
Manual Peak Response = 177717 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

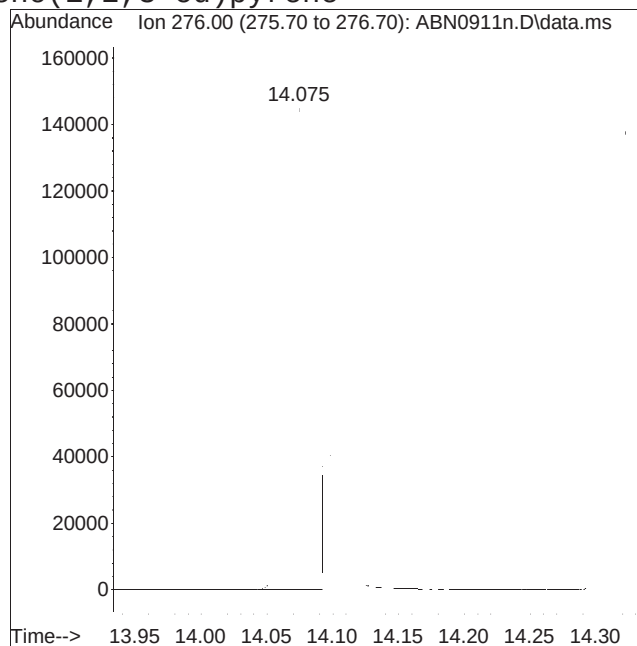
Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : ABN0911n.D Operator : SV112:ljb
Date Inj'd : 9/12/2025 1:02 am Instrument : SV112
Sample : WG2113687-3,32,,ABN RVT CCQuant Date

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 214989

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 180746 M6

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250911NRVT\
 Data File : AP90911n.D
 Acq On : 12 Sep 2025 01:24 am
 Operator : SV112:ljj
 Sample : WG2113687-4,32,,AP9 RVT ICV Lot # 11965
 Misc : WG2113687,,ical22560
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 12 01:52:12 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 01:52:52 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
28 T	Benzaldehyde	0.597	0.694	-16.2	103	0.00
29 T	Acetophenone	1.980	1.708	13.7	76	0.00
30 T	m-Toluidine	1.191	1.241	-4.2	87	0.00
31 T	2-Chloroaniline	1.688	1.553	8.0	79	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	80	0.00
56 T	a-Terpineol	0.298	0.284	4.7	79	0.00
57 T	3-Chloroaniline	0.138	0.141	-2.2	83	0.00
58 T	2,6-Dichlorophenol	0.282	0.303	-7.4	84	0.00
59 T	1-chloro-2-nitrobenzene	0.137	0.141	-2.9	84	0.00
60 T	Caprolactam	0.177	0.171	3.4	79	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.443	0.415	6.3	79	0.00
62 T	Biphenyl	0.978	0.930	4.9	80	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	85	0.00
84 T	Dichloran	0.179	0.198	-10.6	101	0.00
85 T	Pentachloronitrobenzene	0.205	0.205	0.0	90	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	89	0.00
99 T	Diphenamid	0.494	0.491	0.6	90	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : AP90911n.D
 Acq On : 12 Sep 2025 01:24 am
 Operator : SV112:ljj
 Sample : WG2113687-4,32,,AP9 RVT ICV Lot # 11965
 Misc : WG2113687,,ical22560
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 12 01:52:12 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 01:52:52 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.675	152	18558	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	5.905	136	69905	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	7.604	164	47596	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	9.028	188	109992	4.000	ug/ml	# 0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.240	105	16110	5.818	ug/ml	99
29) Acetophenone	5.075	105	39610	4.312	ug/ml	97
30) m-Toluidine	5.158	106	28793	5.209	ug/ml	97
31) 2-Chloroaniline	5.510	127	36024	4.600	ug/ml	99
56) a-Terpineol	5.963	59	24854	4.773	ug/ml	95
57) 3-Chloroaniline	5.975	65	12288	5.081	ug/ml	89
58) 2,6-Dichlorophenol	6.005	162	26478	5.364	ug/ml	93
59) 1-chloro-2-nitrobenzene	6.257	111	12337	5.137	ug/ml	91
60) Caprolactam	6.293	55	14918	4.813	ug/ml	94
61) 1,2,4,5-Tetrachloroben...	6.769	216	36279	4.682	ug/ml	94
62) Biphenyl	7.063	154	81225	4.751	ug/ml	99
84) Dichloran	8.728	206	11801	5.527	ug/ml#	67
85) Pentachloronitrobenzene	8.881	237	12204	5.011	ug/ml#	83
99) Diphenamid	9.934	167	67514	4.966	ug/ml	85

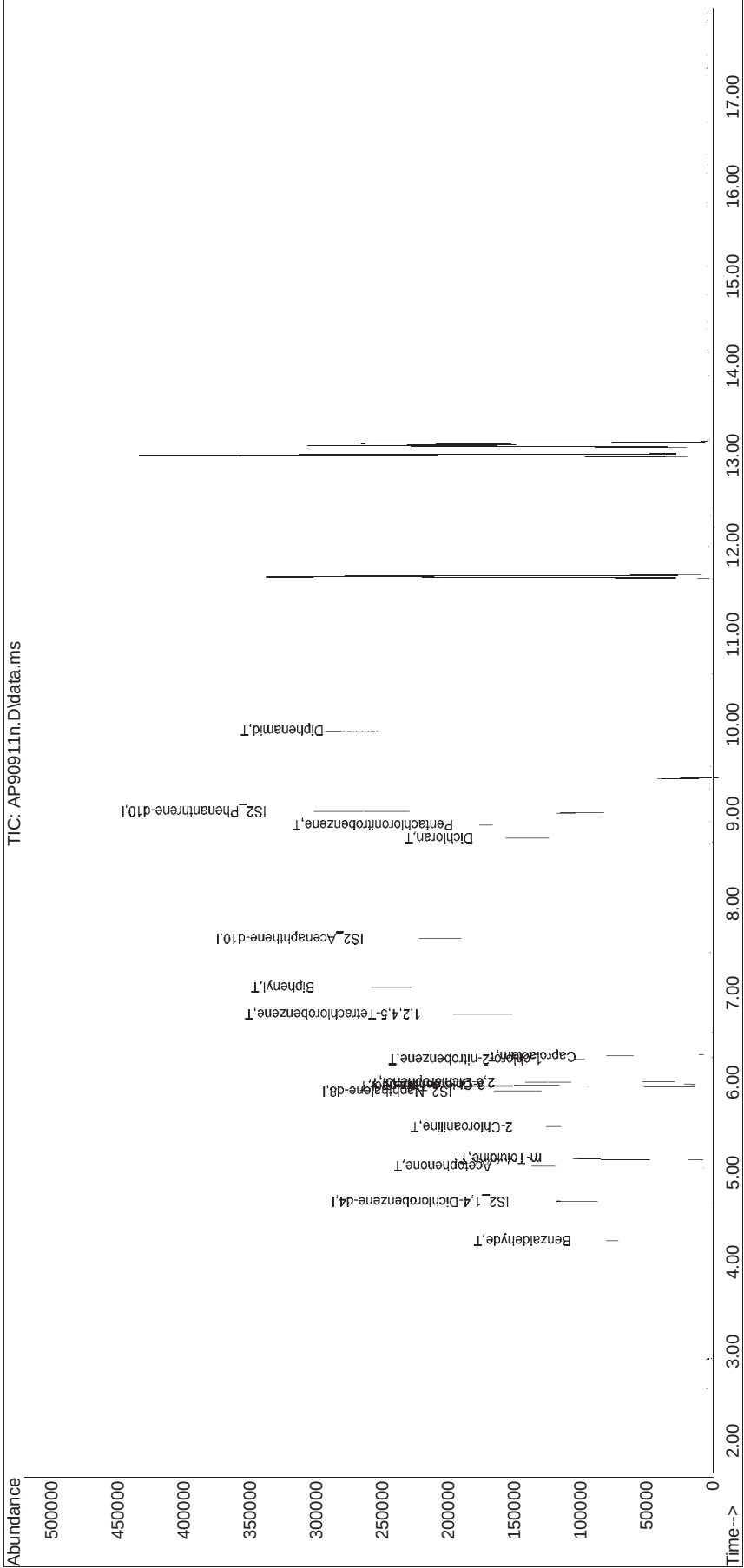
(#) = qualifier out of range (m) = manual integration (+) = signals summed

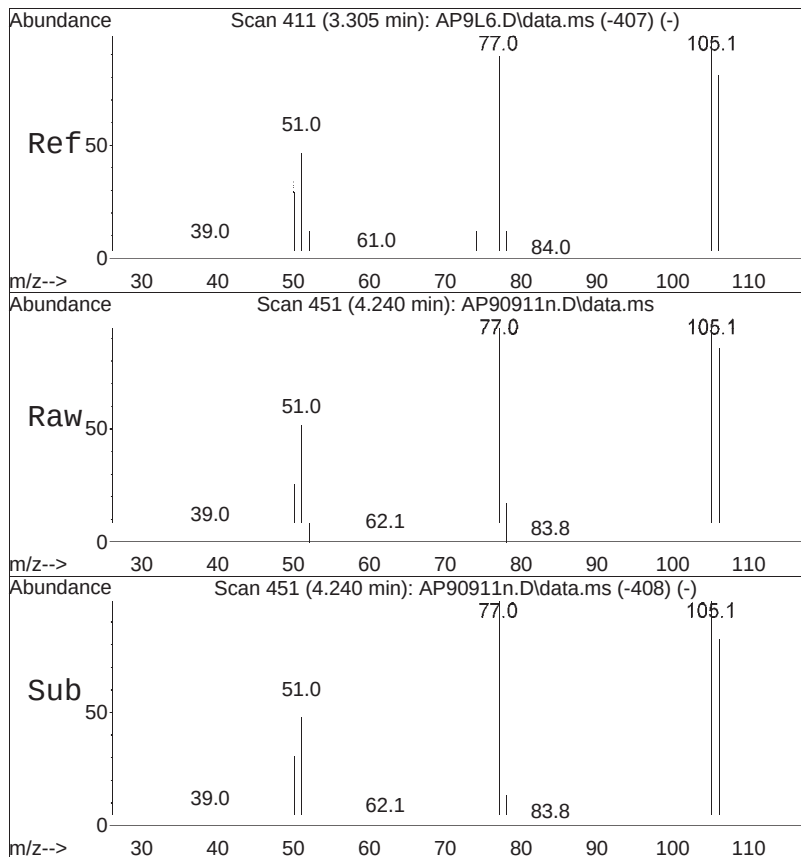
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
Data File : AP90911n.D
Acq On : 12 Sep 2025 01:24 am
Operator : SV112:ljg
Sample : WG2113687-4,32,,AP9 RVT ICV Lot # 11965
Misc : WG2113687,,ical22560
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 12 01:52:12 2025
Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Fri Sep 12 01:52:52 2025
Response via : Initial Calibration

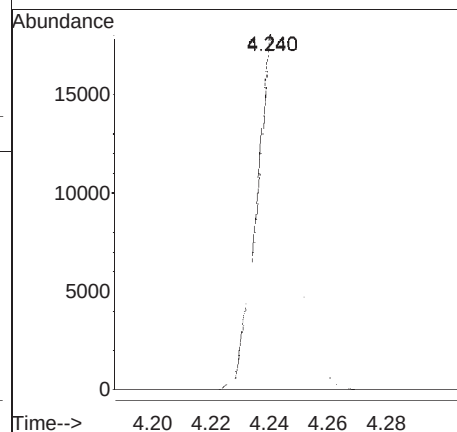
Sub List : AP9ical - AP9 ical sublist

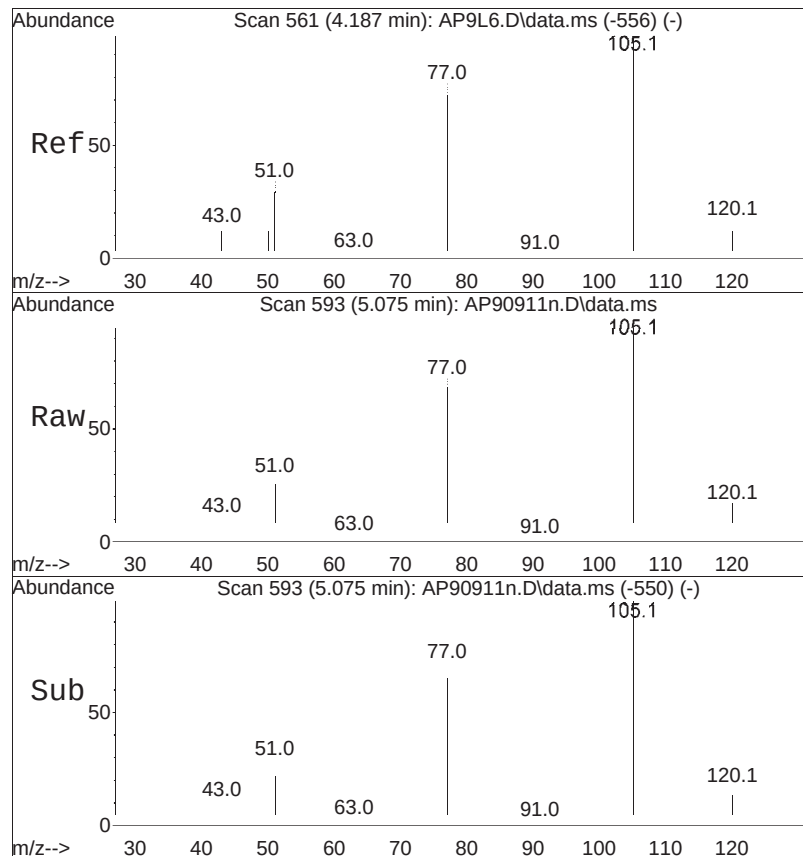




#28
 Benzaldehyde
 Concen: 5.82 ug/ml
 RT: 4.240 min Scan# 451
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

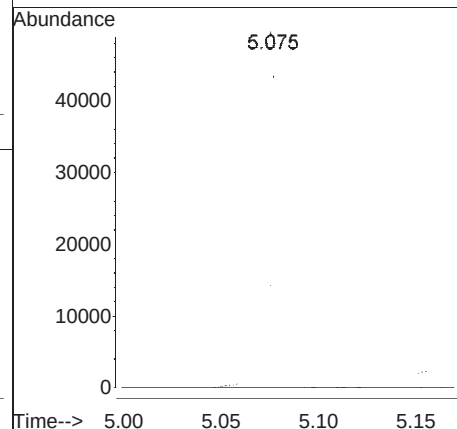
Tgt Ion:	105	Resp:	16110
Ion Ratio	Lower	Upper	
105	100		
77	95.3	77.0	115.6

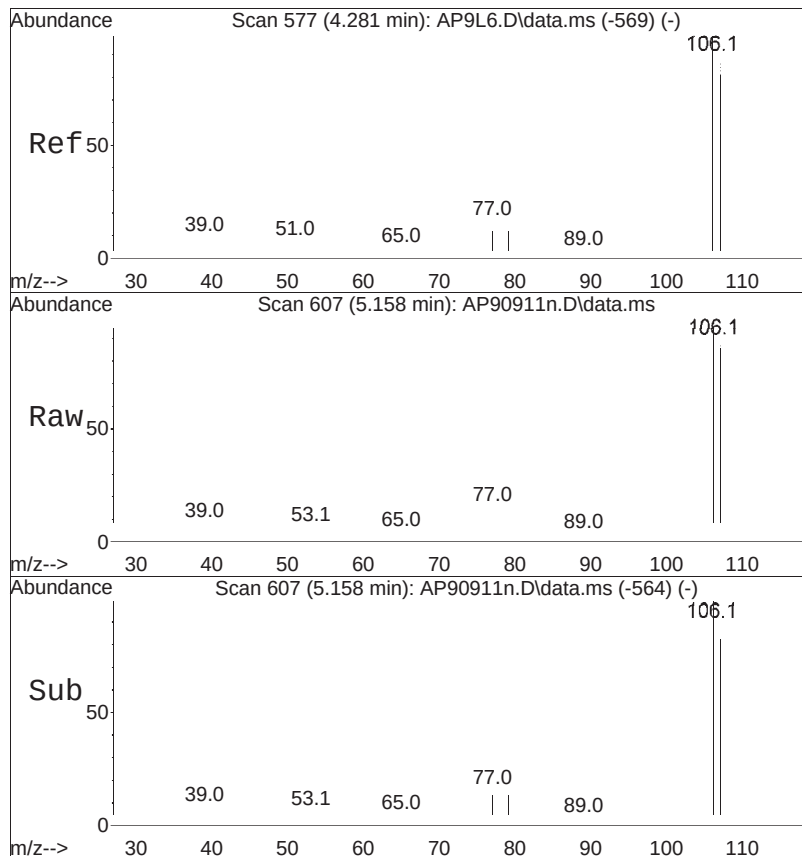




#29
 Acetophenone
 Concen: 4.31 ug/ml
 RT: 5.075 min Scan# 593
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

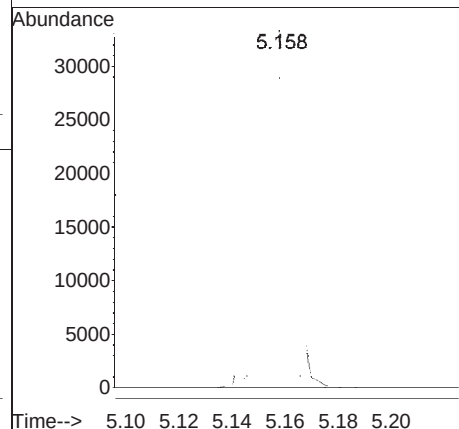
Tgt Ion:	105	Resp:	39610
Ion Ratio	Lower	Upper	
105	100		
120	17.6	15.2	22.8
51	30.6	23.1	34.7

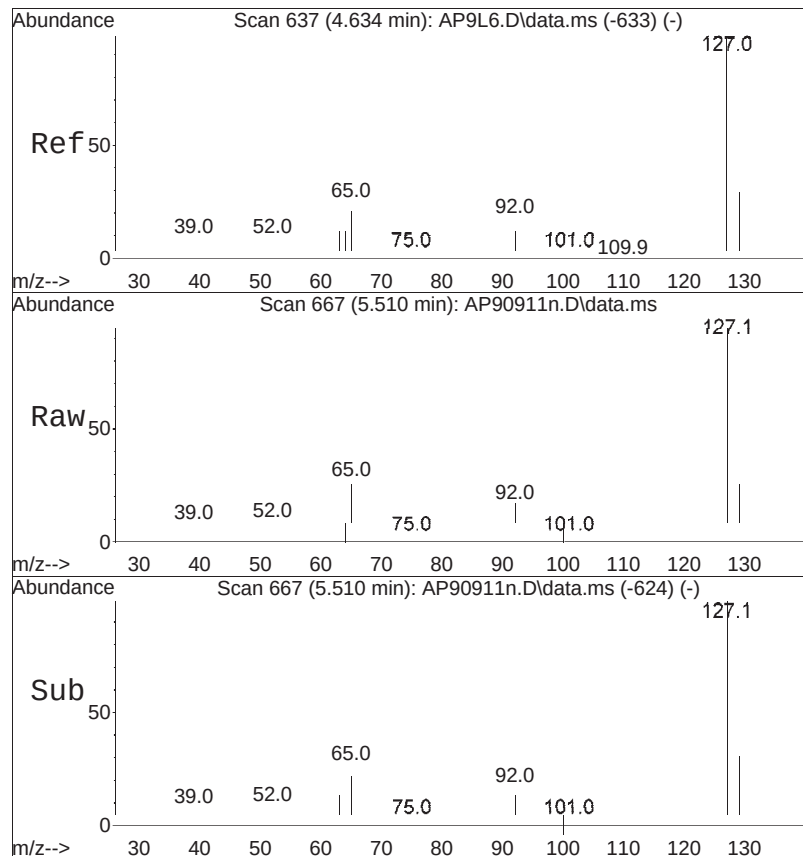




#30
 m-Toluidine
 Concen: 5.21 ug/ml
 RT: 5.158 min Scan# 607
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

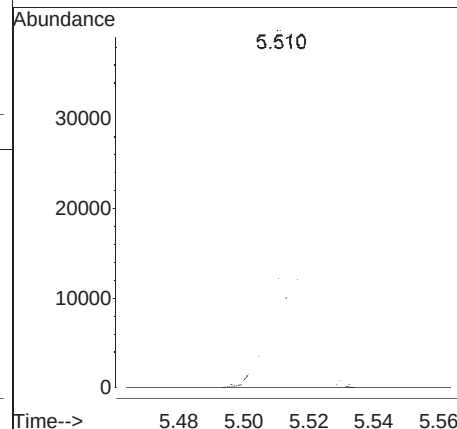
Tgt Ion:	106	Resp:	28793
Ion Ratio	Lower	Upper	
106	100		
107	87.0	72.3	108.5
79	15.3	12.2	18.2

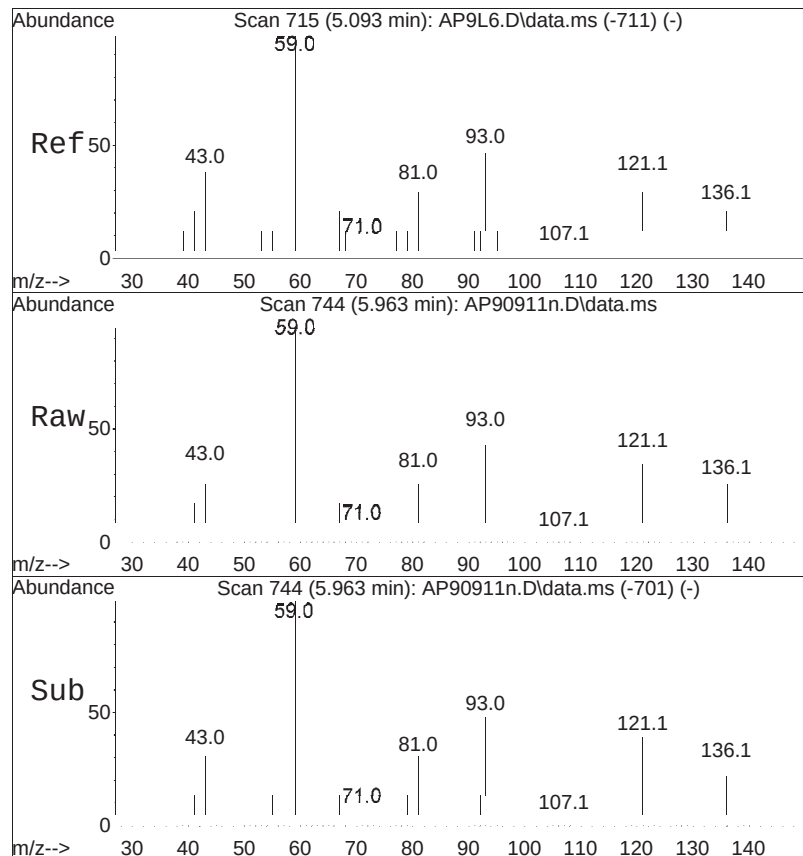




#31
 2-Chloroaniline
 Concen: 4.60 ug/ml
 RT: 5.510 min Scan# 667
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

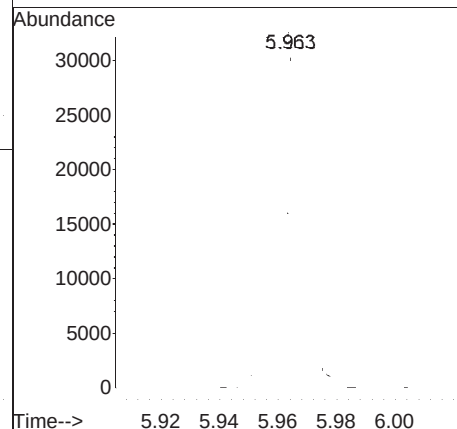
Tgt Ion:	127	Resp:	36024
Ion Ratio	Lower	Upper	
127	100		
129	31.0	25.7	38.5
65	25.2	20.5	30.7

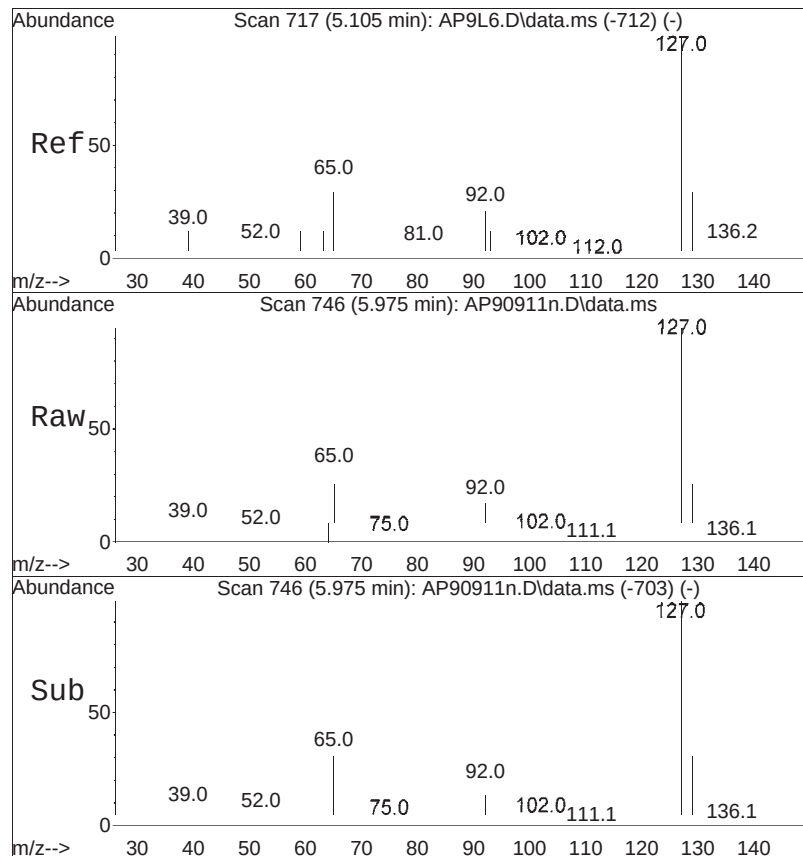




#56
a-Terpineol
Concen: 4.77 ug/ml
RT: 5.963 min Scan# 744
Delta R.T. 0.000 min
Lab File: AP90911n.D
Acq: 12 Sep 2025 01:24 am

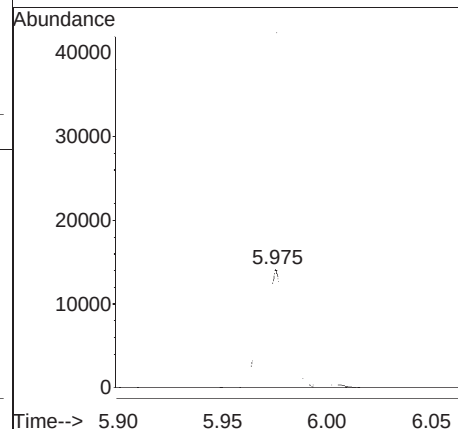
Tgt Ion:	59	93	Ratio	100	50.9	Resp:	24854	Lower	Upper

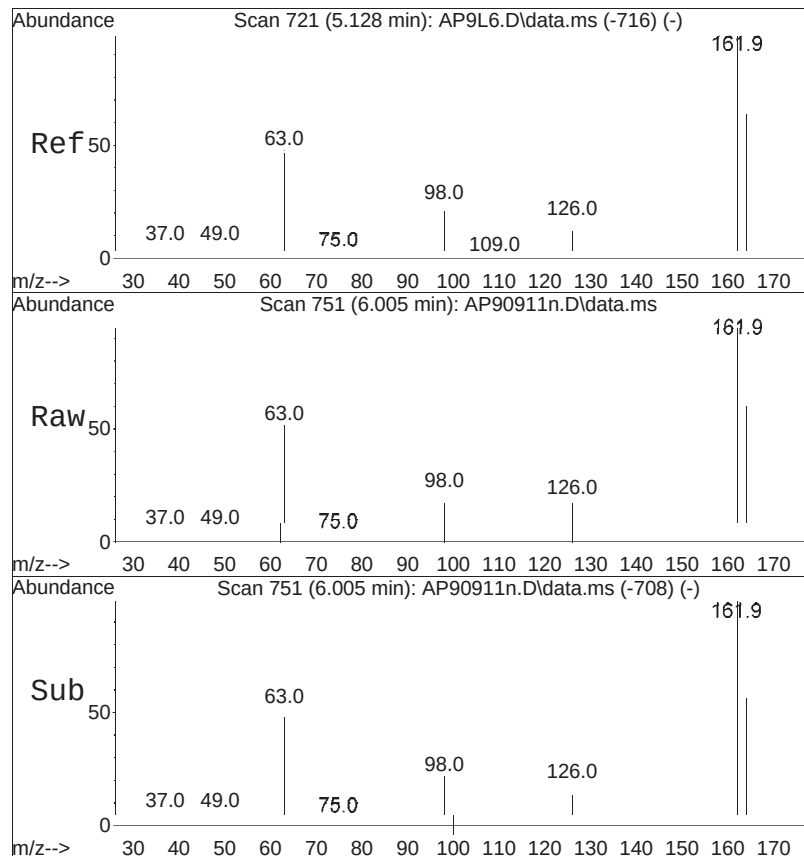




#57
 3-Chloroaniline
 Concen: 5.08 ug/ml
 RT: 5.975 min Scan# 746
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

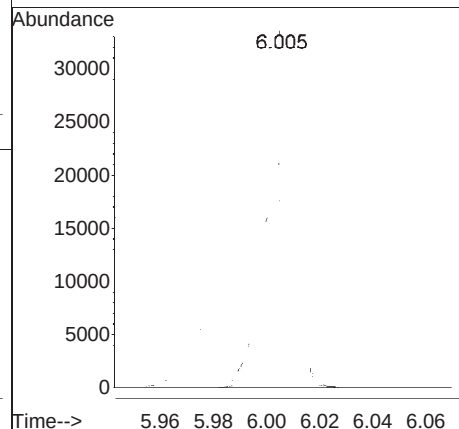
Tgt Ion:	65	Resp:	12288
Ion Ratio	Lower	Upper	
65	100		
127	271.0	236.6	355.0
129	88.9	76.6	115.0

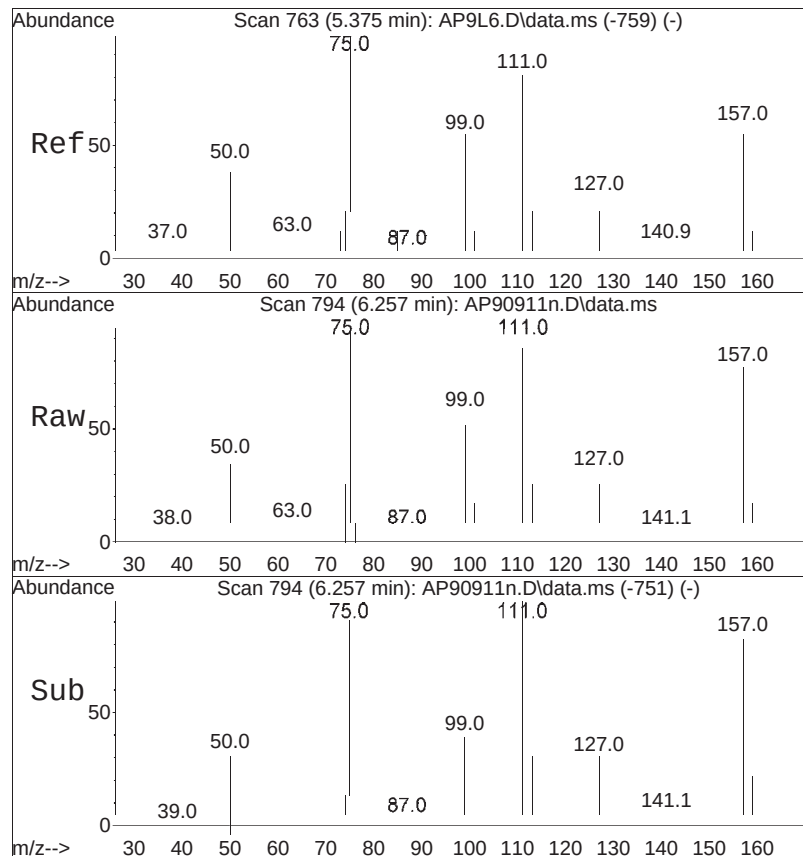




#58
 2,6-Dichlorophenol
 Concen: 5.36 ug/ml
 RT: 6.005 min Scan# 751
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

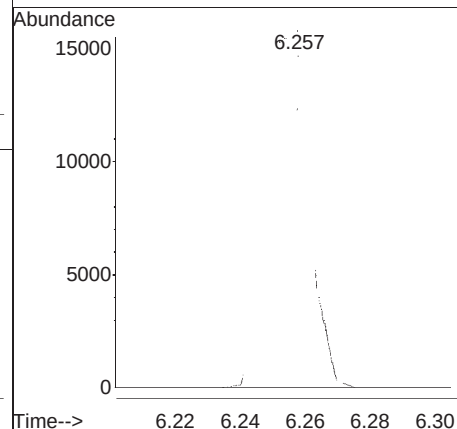
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	26478		
164	64.6		50.8	76.2
63	56.6		53.6	80.4

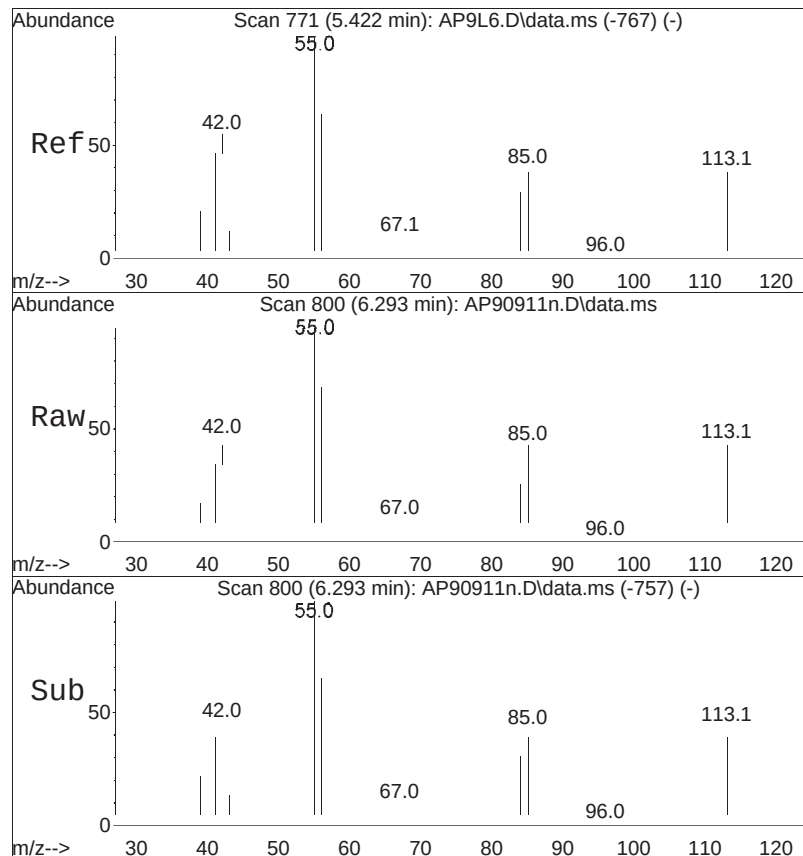




#59
 1-chloro-2-nitrobenzene
 Concen: 5.14 ug/ml
 RT: 6.257 min Scan# 794
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

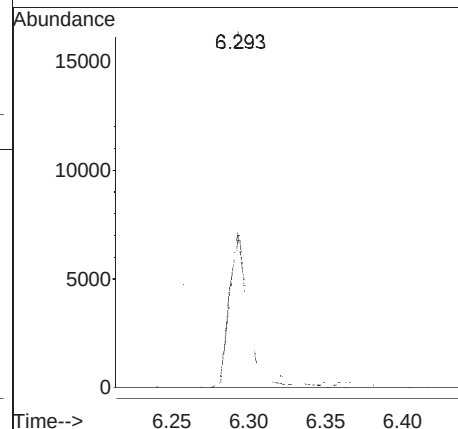
Tgt Ion	Ratio	Lower	Upper
111	100		
157	81.9	56.2	84.2
75	115.3	97.8	146.6

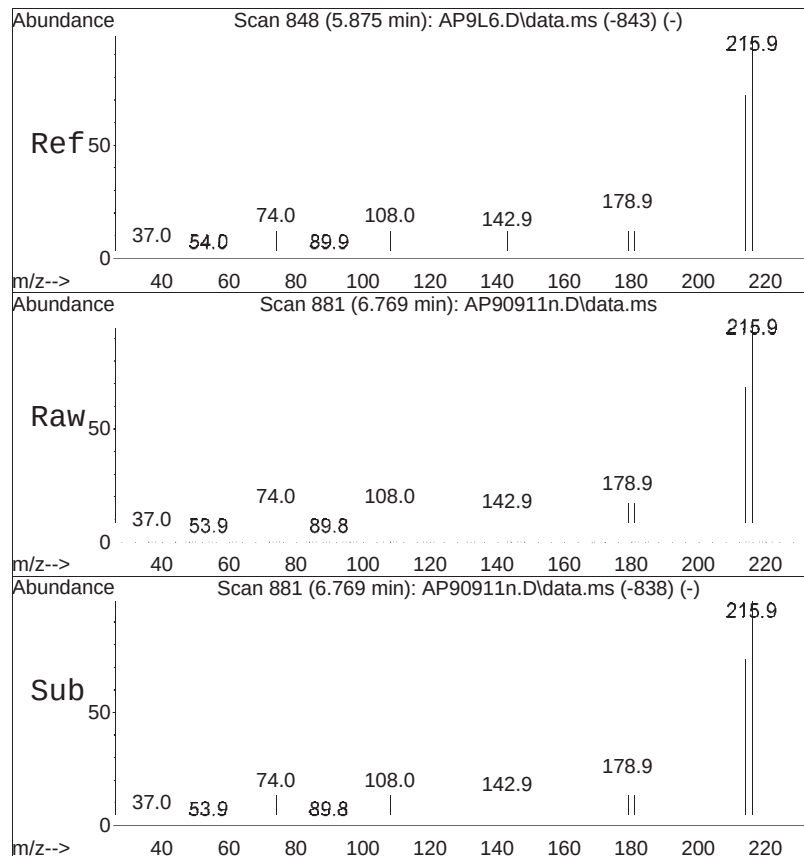




#60
 Caprolactam
 Concen: 4.81 ug/ml
 RT: 6.293 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

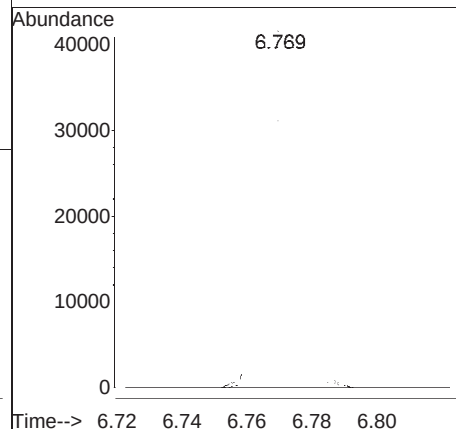
Tgt Ion:	55	Resp:	14918
Ion Ratio	Lower	Upper	
55	100		
85	39.9	35.2	52.8
113	41.9	36.6	55.0

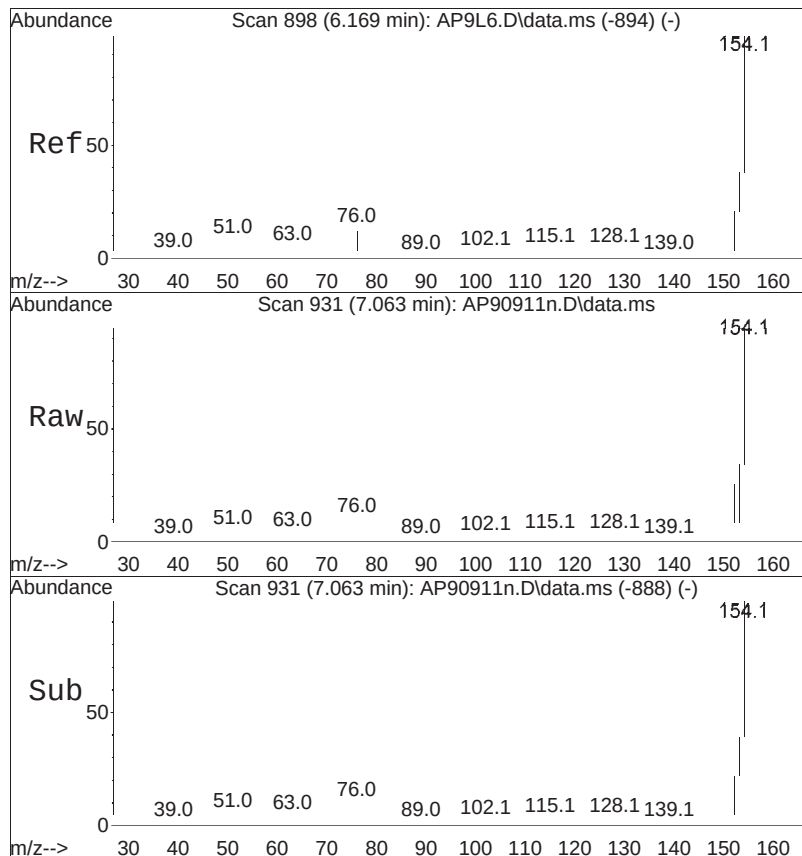




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.68 ug/ml
 RT: 6.769 min Scan# 881
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

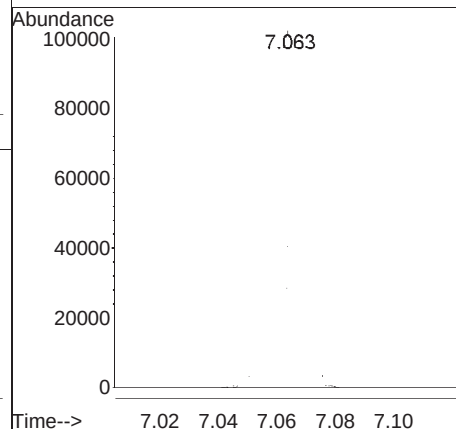
Tgt Ion:	216	Resp:	36279
Ion Ratio	Lower	Upper	
216	100		
214	75.2	64.0	96.0
179	19.5	18.7	28.1

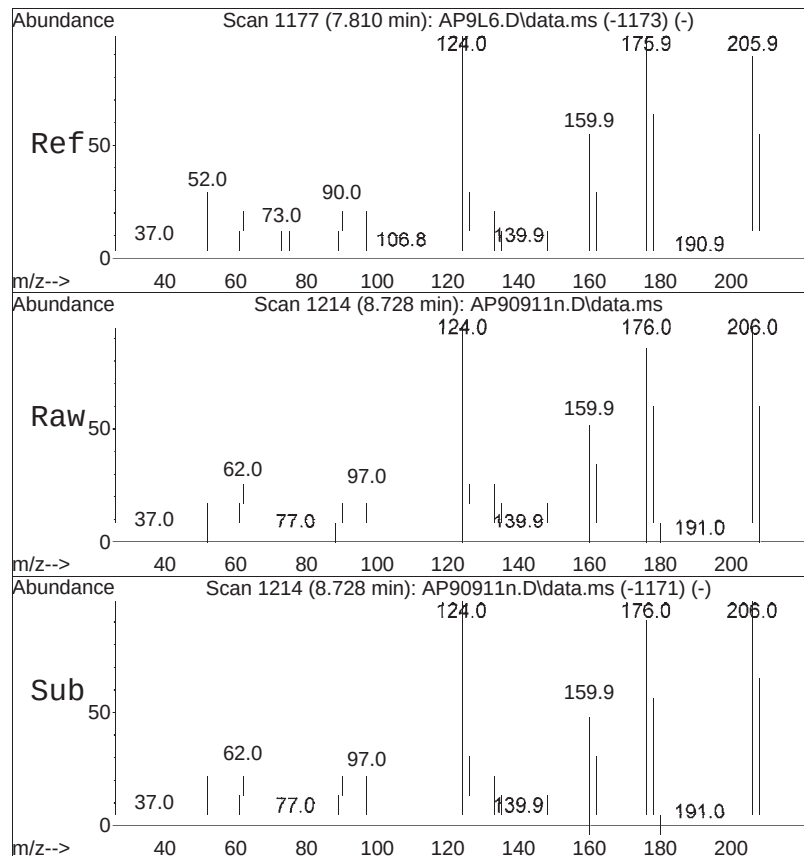




#62
 Biphenyl
 Concen: 4.75 ug/ml
 RT: 7.063 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

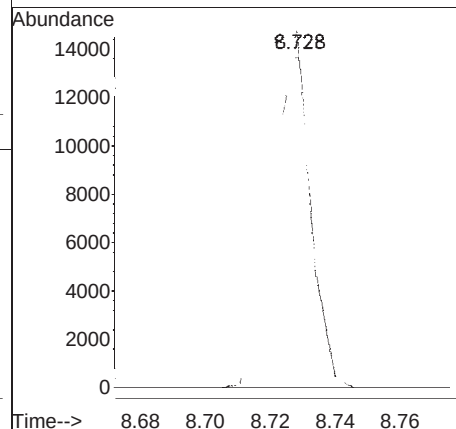
Tgt Ion:	154	Resp:	81225
Ion Ratio	Lower	Upper	
154	100		
153	41.2	32.5	48.7
152	28.2	22.6	34.0

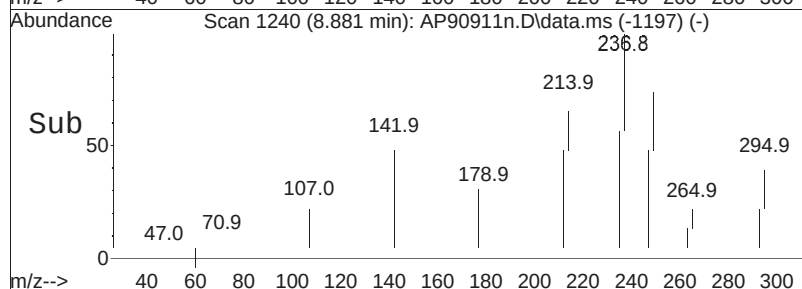
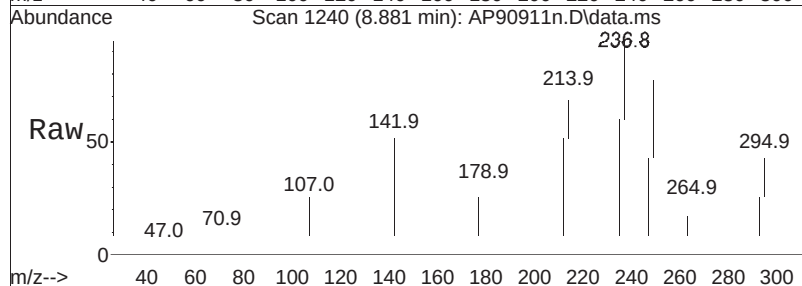
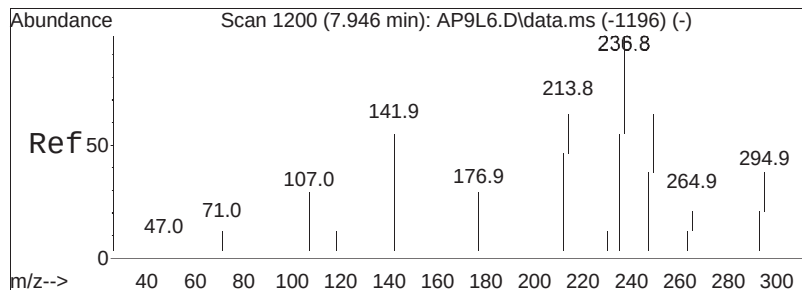




#84
 Dichloran
 Concen: 5.53 ug/ml
 RT: 8.728 min Scan# 1214
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

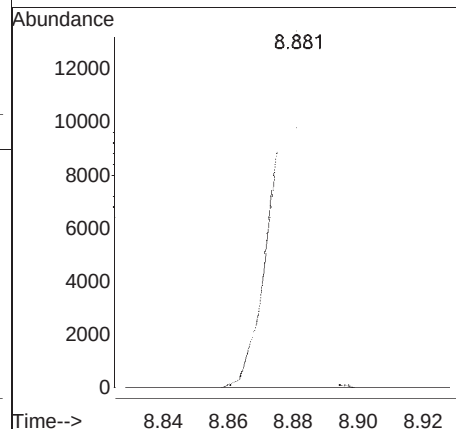
Tgt Ion:	206	Resp:	11801
Ion Ratio	Lower	Upper	
206	100		
176	96.6	98.8	148.2#
124	104.5	125.8	188.6#

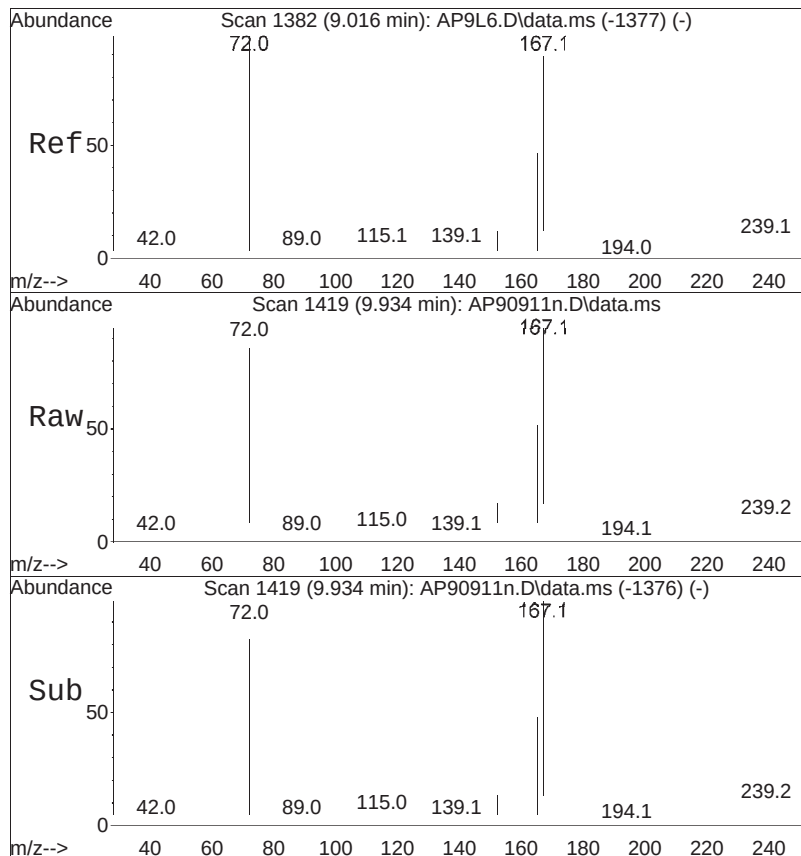




#85
 Pentachloronitrobenzene
 Concen: 5.01 ug/ml
 RT: 8.881 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

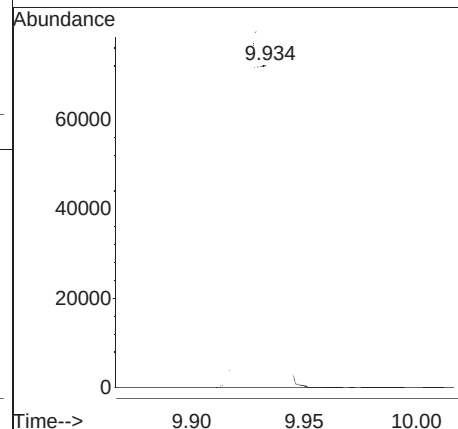
Tgt Ion	Ratio	Lower	Upper
237	100		
142	60.3	70.3	105.5#
214	72.0	59.4	89.2





#99
 Diphenamid
 Concen: 4.97 ug/ml
 RT: 9.934 min Scan# 1419
 Delta R.T. 0.000 min
 Lab File: AP90911n.D
 Acq: 12 Sep 2025 01:24 am

Tgt Ion:	167	Resp:	67514
Ion Ratio	Lower	Upper	
167	100		
72	100.7	98.9	148.3
165	52.2	40.4	60.6



Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : AP90911n.D Operator : SV112:ljb
Date Inj'd : 9/12/2025 1:24 am Instrument : SV112
Sample : WG2113687-4,32,,AP9 RVT ICQuant Date

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250911NRVT\
 Data File : ADP0911n.D
 Acq On : 12 Sep 2025 01:47 am
 Operator : SV112:ljl
 Sample : WG2113687-5,32,,ADP RVT CCV Lot # 11661
 Misc : WG2113687,,ical22560
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 12 02:08:19 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:09:01 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
33 T	1,4-Dioxane	0.546	0.500	8.4	91	0.00
34 T	n-Decane	1.602	1.471	8.2	85	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	82	0.00
87 T	Atrazine	0.463	0.471	-1.7	82	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	82	0.00
101 T	n-Octadecane	0.496	0.415	16.3	70	0.00
102 T	Parathion	0.106	0.094	11.3	78	0.00
103 T	3,3'-Dimethylbenzidine	0.737	0.641	13.0	69	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : ADP0911n.D
 Acq On : 12 Sep 2025 01:47 am
 Operator : SV112:ljl
 Sample : WG2113687-5,32,,ADP RVT CCV Lot # 11661
 Misc : WG2113687,,ical22560
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 12 02:08:19 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:09:01 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.675	152	16242	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	7.604	164	38626	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	9.028	188	90459	4.000	ug/ml #	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.752	88	10153	4.579	ug/ml#	75
34) n-Decane	4.569	57	29870	4.592	ug/ml	97
87) Atrazine	8.798	200	22720	5.083	ug/ml	98
101) n-Octadecane	9.010	57	46977	4.187	ug/ml	97
102) Parathion	9.810	109	10666	4.433	ug/ml#	88
103) 3,3'-Dimethylbenzidine	11.087	212	72439	4.347	ug/ml	98

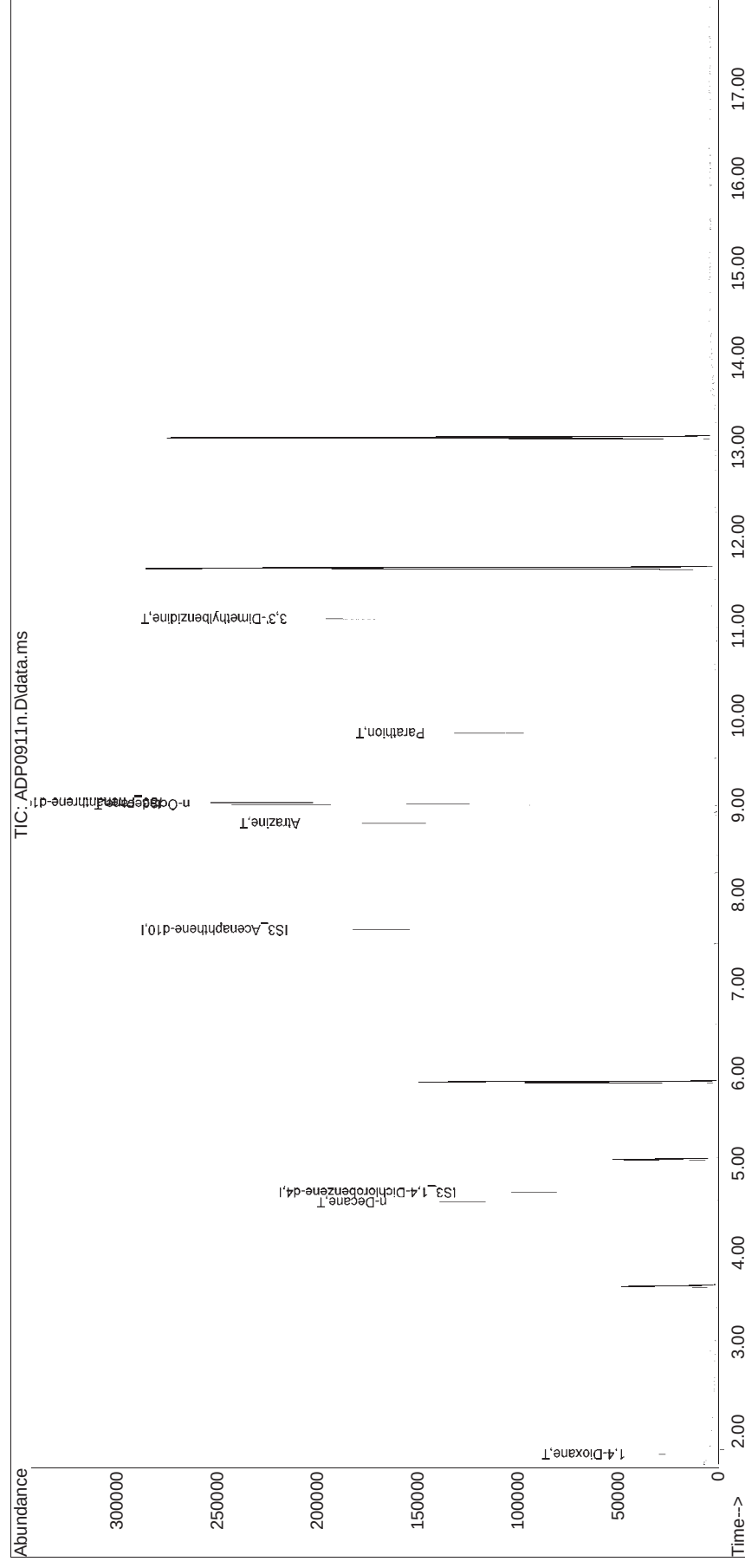
(#) = qualifier out of range (m) = manual integration (+) = signals summed

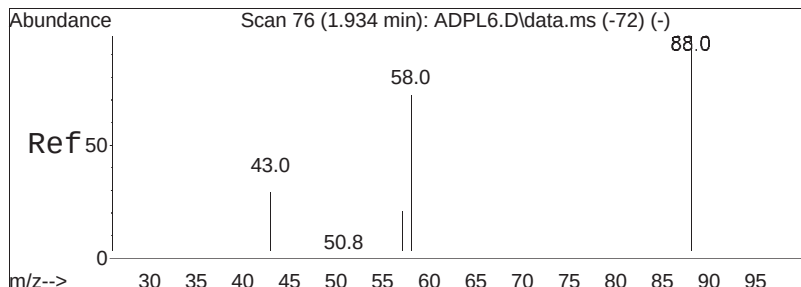
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : ADP0911n.D
 Acq On : 12 Sep 2025 01:47 am
 Operator : SV112:ljg
 Sample : WG2113687-5,32,,ADP RVT CCV Lot # 11661
 Misc : WG2113687,,ical22560
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 12 02:08:19 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Fri Sep 12 02:09:01 2025
 Response via : Initial Calibration

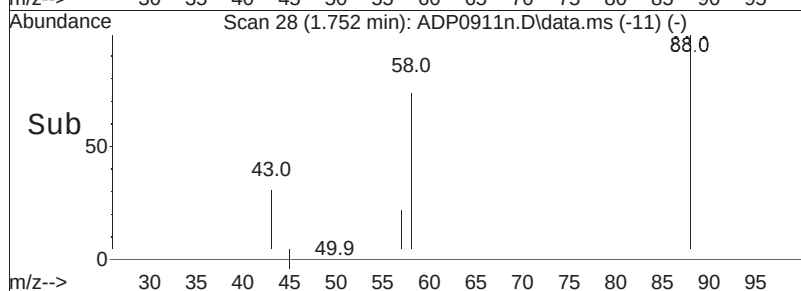
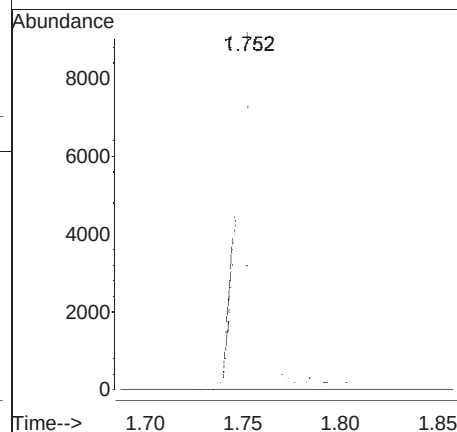
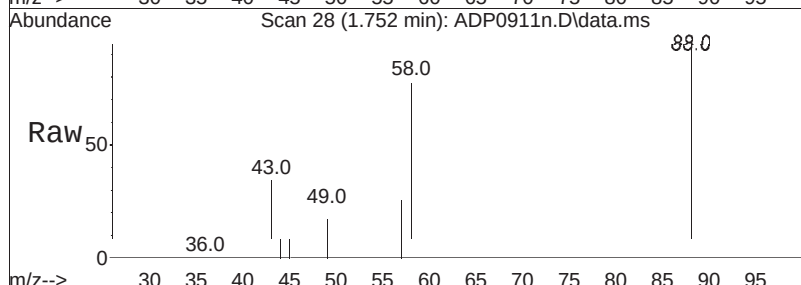
Sub List : ADPical_REV2 - ADP sublist

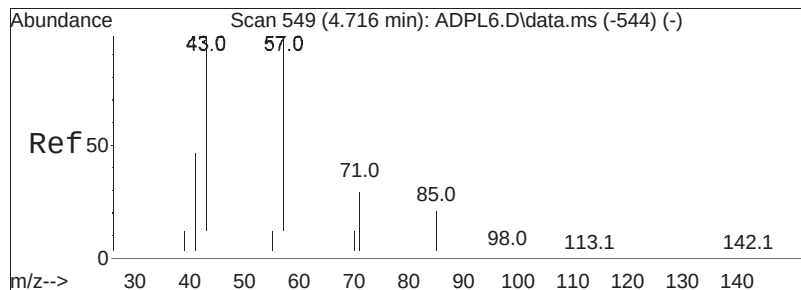




#33
 1,4-Dioxane
 Concen: 4.58 ug/ml
 RT: 1.752 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: ADP0911n.D
 Acq: 12 Sep 2025 01:47 am

Tgt Ion: 88 Resp: 10153
 Ion Ratio Lower Upper
 88 100
 58 81.2 44.8 67.2#
 43 31.1 22.4 33.6





#34

n-Decane

Concen: 4.59 ug/ml

RT: 4.569 min Scan# 507

Delta R.T. 0.000 min

Lab File: ADP0911n.D

Acq: 12 Sep 2025 01:47 am

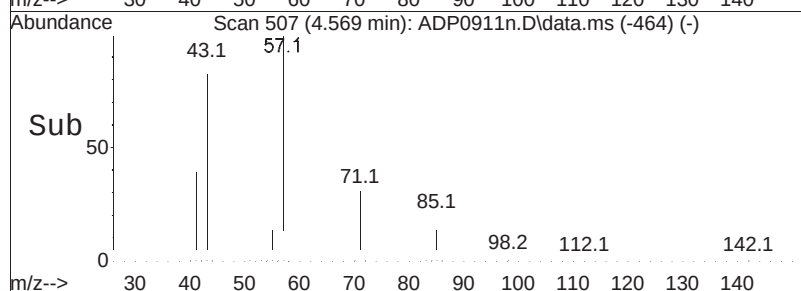
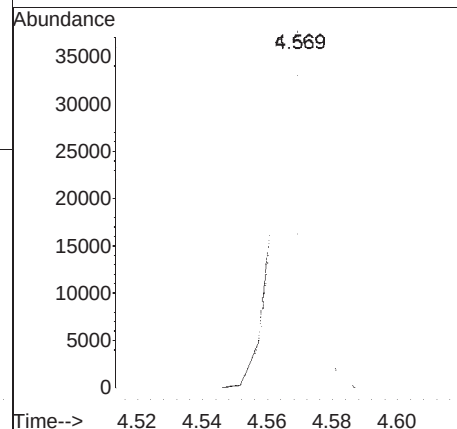
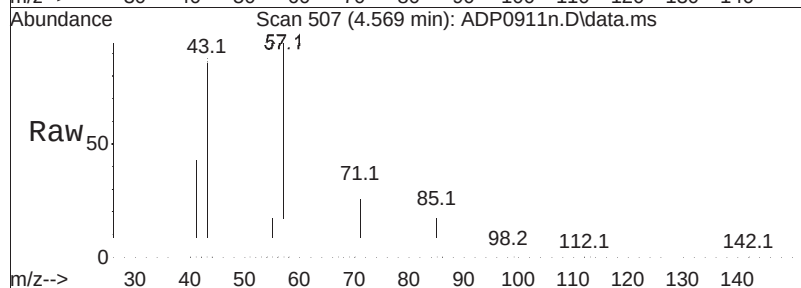
Tgt Ion: 57 Resp: 29870

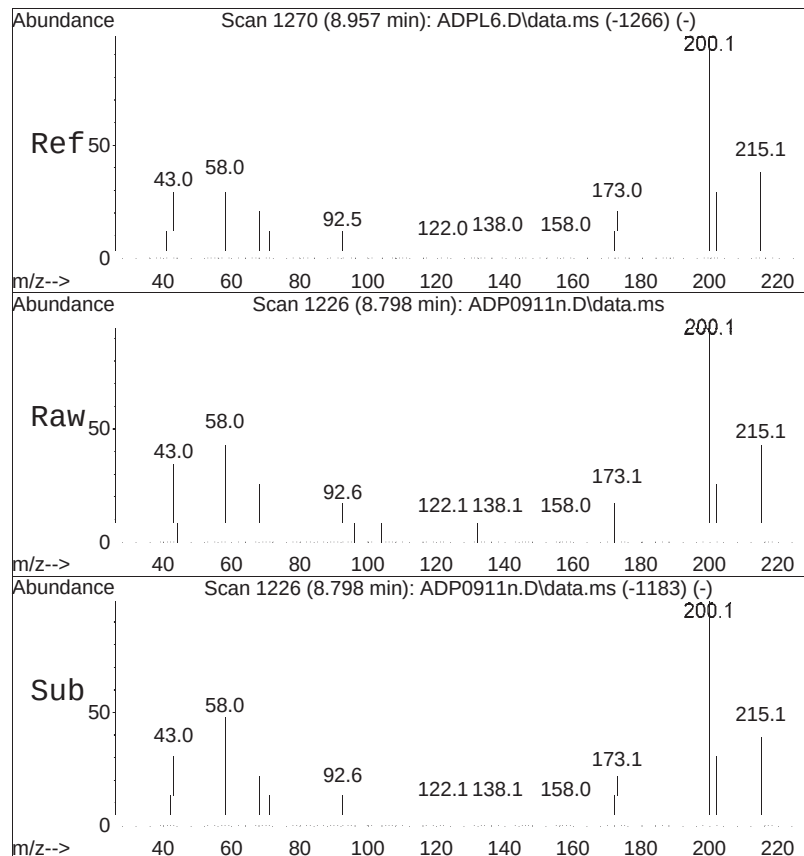
Ion Ratio Lower Upper

57 100

43 89.8 75.4 113.2

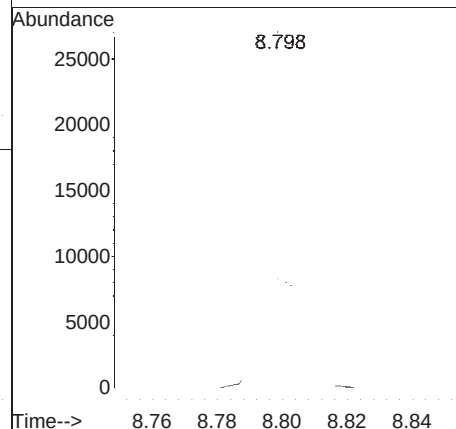
41 44.5 35.0 52.6

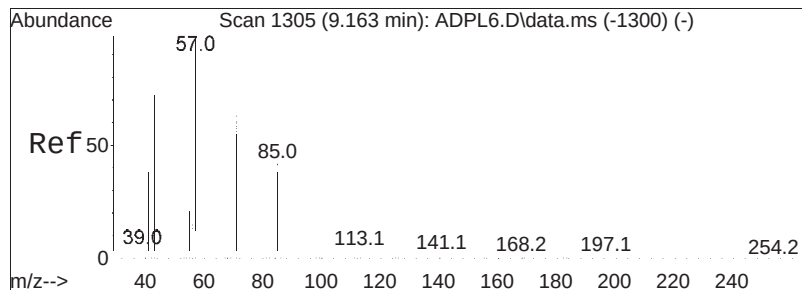




#87
 Atrazine
 Concen: 5.08 ug/ml
 RT: 8.798 min Scan# 1226
 Delta R.T. 0.000 min
 Lab File: ADP0911n.D
 Acq: 12 Sep 2025 01:47 am

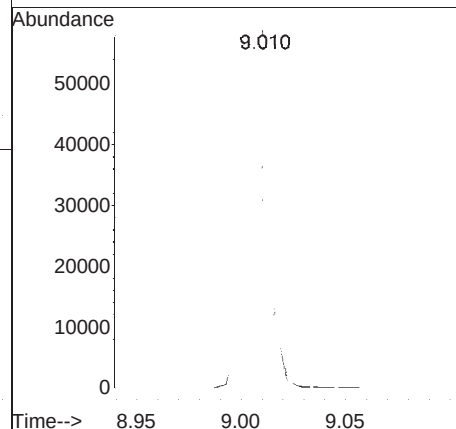
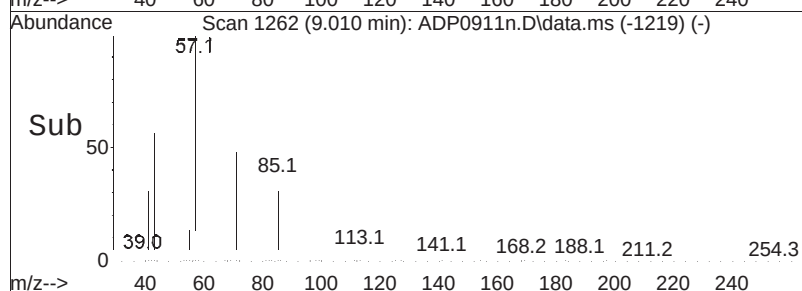
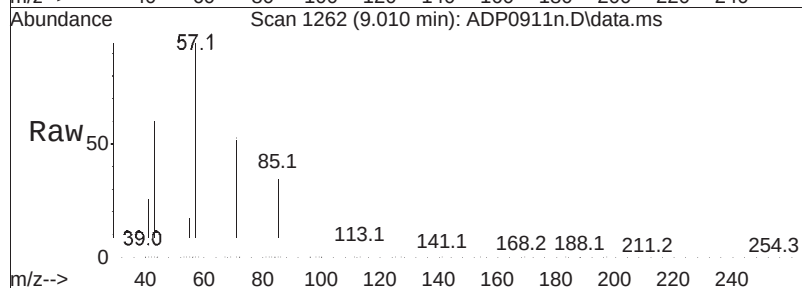
Tgt Ion:	200	Resp:	22720
Ion Ratio	Lower	Upper	
200	100		
202	31.7	25.0	37.6
215	44.7	34.5	51.7

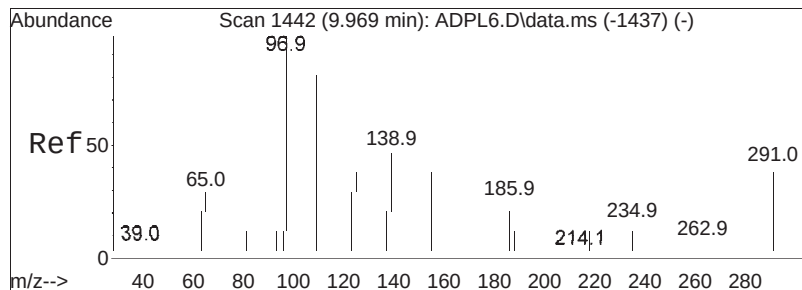




#101
 n-Octadecane
 Concen: 4.19 ug/ml
 RT: 9.010 min Scan# 1262
 Delta R.T. 0.000 min
 Lab File: ADP0911n.D
 Acq: 12 Sep 2025 01:47 am

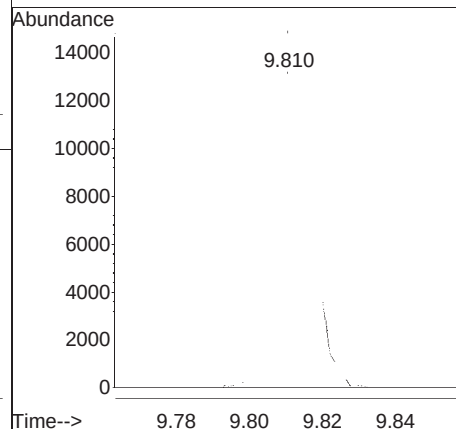
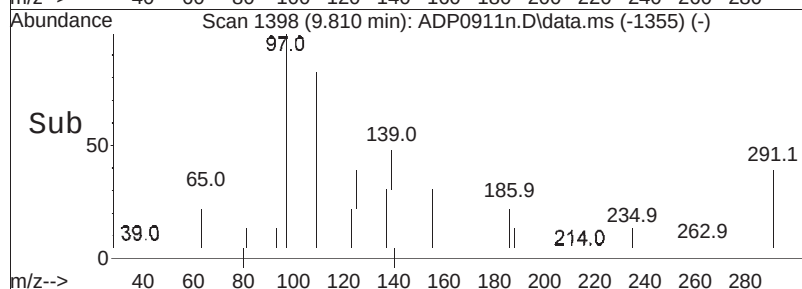
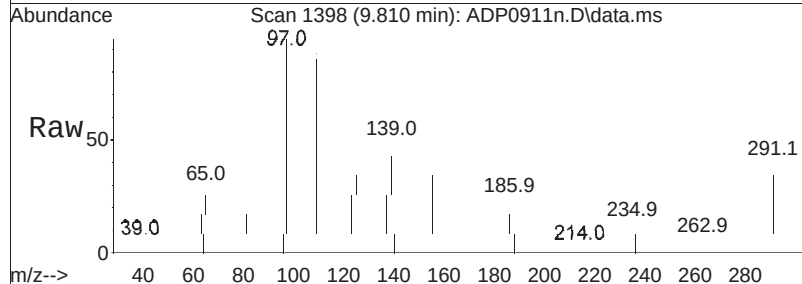
Tgt Ion:	57	Resp:	46977
Ion Ratio	Lower	Upper	
57	100		
43	65.3	54.3	81.5
71	53.6	45.1	67.7

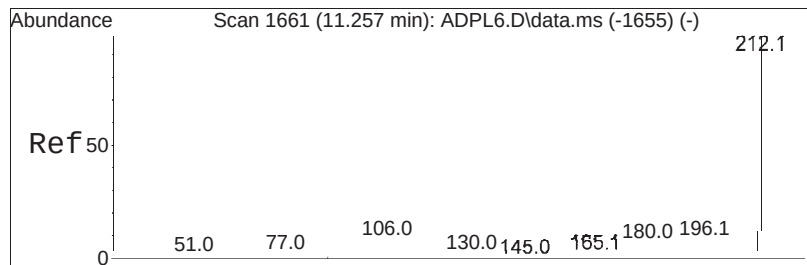




#102
 Parathion
 Concen: 4.43 ug/ml
 RT: 9.810 min Scan# 1398
 Delta R.T. 0.000 min
 Lab File: ADP0911n.D
 Acq: 12 Sep 2025 01:47 am

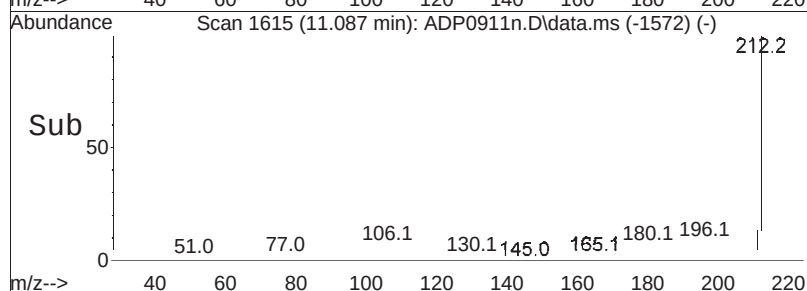
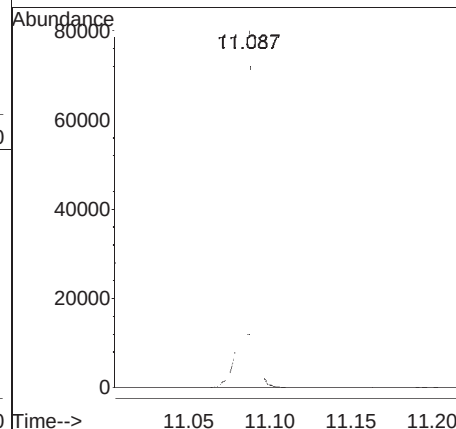
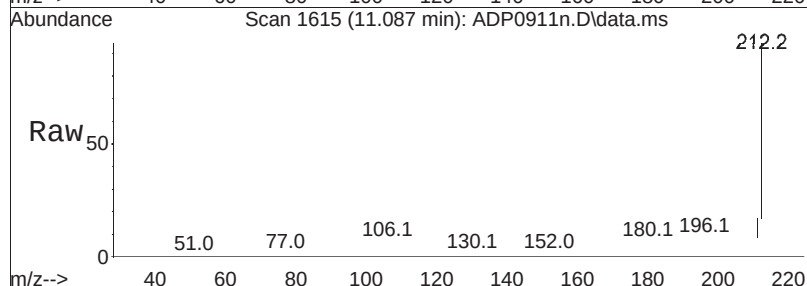
Tgt Ion	Ratio	Lower	Upper
109	100		
97	113.7	85.4	128.2
291	49.6	25.4	38.2





#103
 3,3'-Dimethylbenzidine
 Concen: 4.35 ug/ml
 RT: 11.087 min Scan# 1615
 Delta R.T. 0.000 min
 Lab File: ADP0911n.D
 Acq: 12 Sep 2025 01:47 am

Tgt Ion	Ratio	Lower	Upper
212	100		
211	17.2	13.3	19.9
213	15.4	13.4	20.2



Manual Integration Report

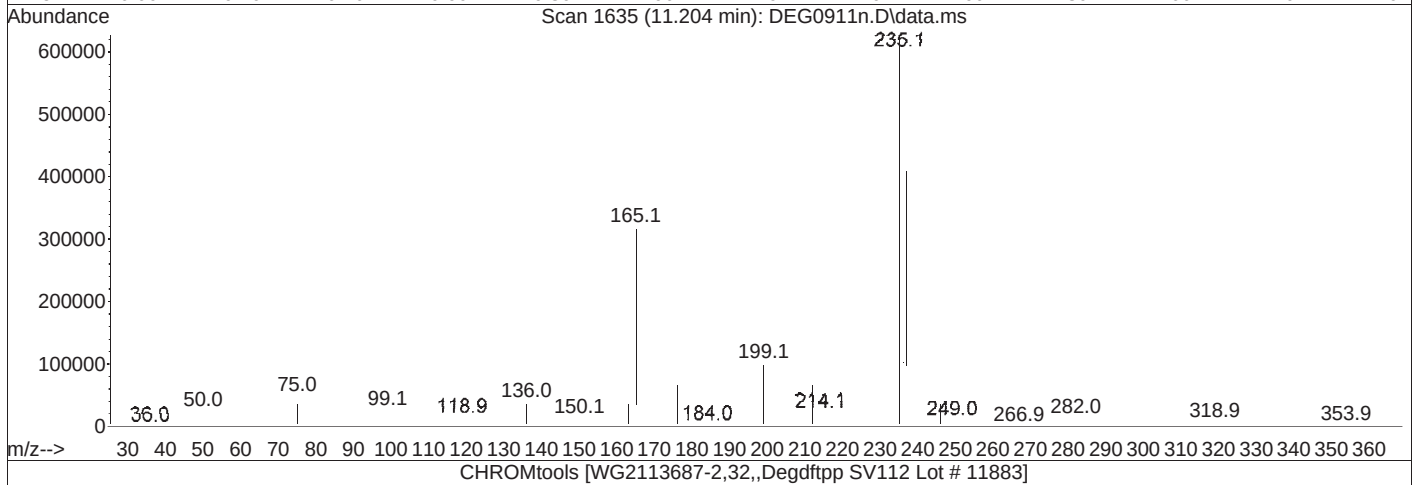
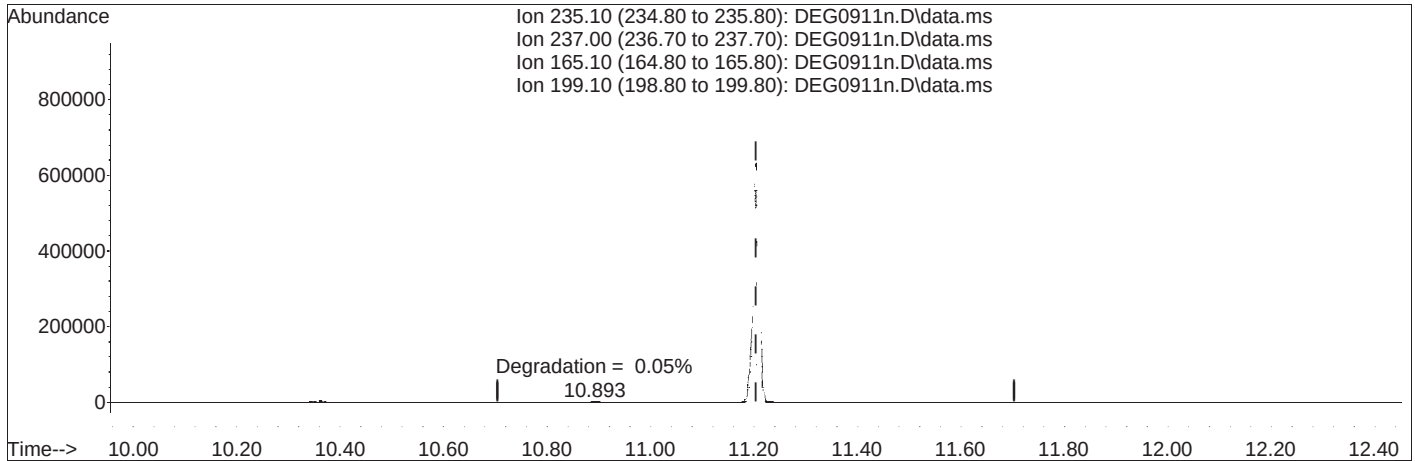
Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : ADP0911n.D Operator : SV112:ljg
Date Inj'd : 9/12/2025 1:47 am Instrument : SV112
Sample : WG2113687-5,32,,ADP RVT CCQuant Date

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250911NRVT\
Data File : DEG0911n.D
Acq On : 12 Sep 2025 12:39 am
Operator : SV112:ljj
Sample : WG2113687-2,32,,Degdftpp SV112 Lot # 11883
Misc : WG2113687,,ical22560
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 12 01:00:14 2025
Quant Method : I:\8270\SV112\250911NRVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



CHROMtools [WG2113687-2,32,,Degdftpp SV112 Lot # 11883]

(6) DDT (T)

11.204min (+ 0.000) 0.00

response 591295

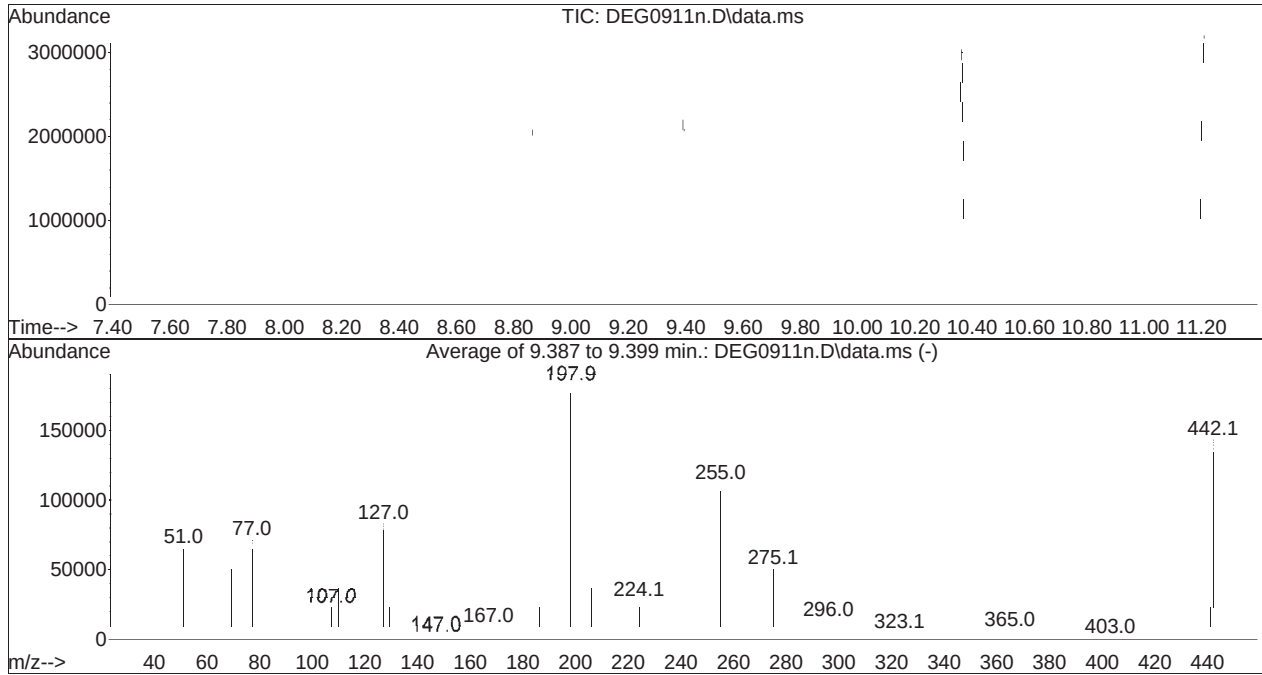
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	71.30	66.67
165.10	47.10	49.51
199.10	16.40	15.41

DFTPP

Data Path : I:\8270\SV112\250911NRVT\
 Data File : DEG0911n.D
 Acq On : 12 Sep 2025 12:39 am
 Operator : SV112:ljj
 Sample : WG2113687-1,32,,Degdftpp SV112 Lot # 11883
 Misc : WG2113687,,ical22560
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Sep 12 02:08:59 2025



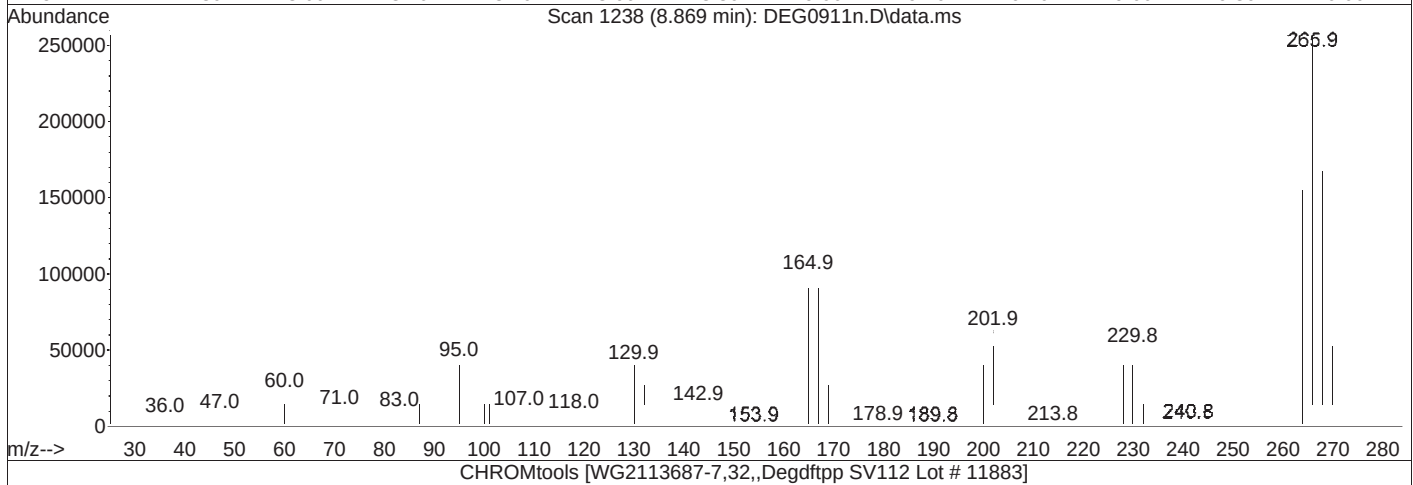
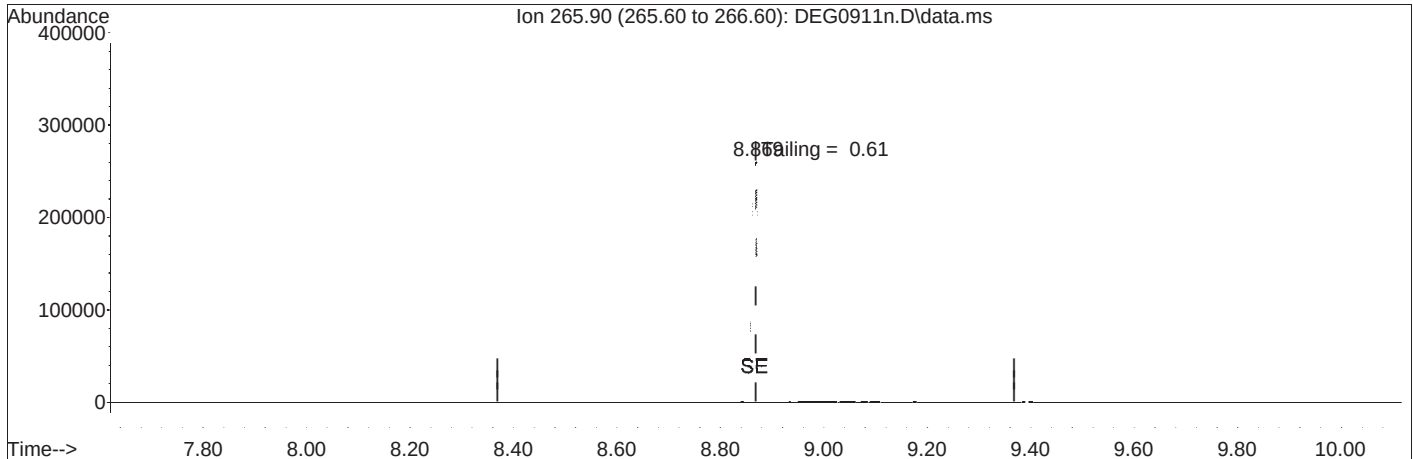
Spectrum Information: Average of 9.387 to 9.399 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.5	65395	PASS
68	69	0.00	2	1.6	1026	PASS
69	69	100	100	100.0	63219	PASS
70	69	0.00	2	0.5	318	PASS
127	198	10	80	43.8	82851	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	189349	PASS
199	198	5	9	6.9	13042	PASS
275	198	10	60	26.7	50565	PASS
365	198	1	100	3.1	5819	PASS
441	442	0.01	24	16.9	24208	PASS
442	198	50	100	75.8	143517	PASS
443	442	15	24	19.9	28507	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250911NRVT\
Data File : DEG0911n.D
Acq On : 12 Sep 2025 12:39 am
Operator : SV112:ljj
Sample : WG2113687-7,32,,Degdftpp SV112 Lot # 11883
Misc : WG2113687,,ical22560
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 12 01:00:14 2025
Quant Method : I:\8270\SV112\250911NRVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



CHROMtools [WG2113687-7,32,,Degdftpp SV112 Lot # 11883]

(1) Pentachlorophenol (T)

8.869min (+ 0.000) 0.00

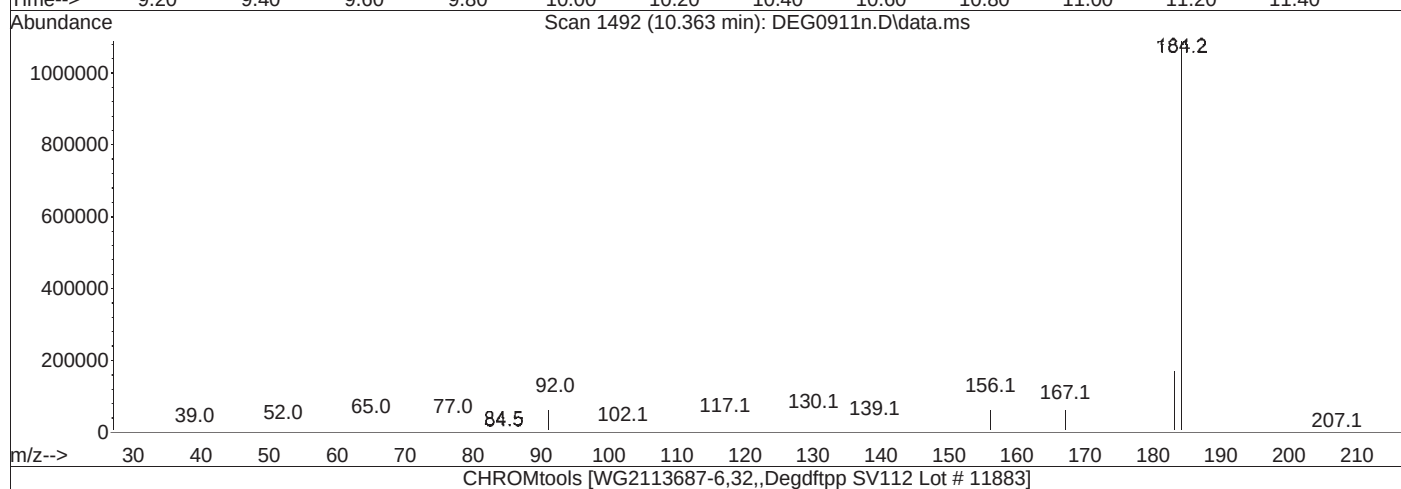
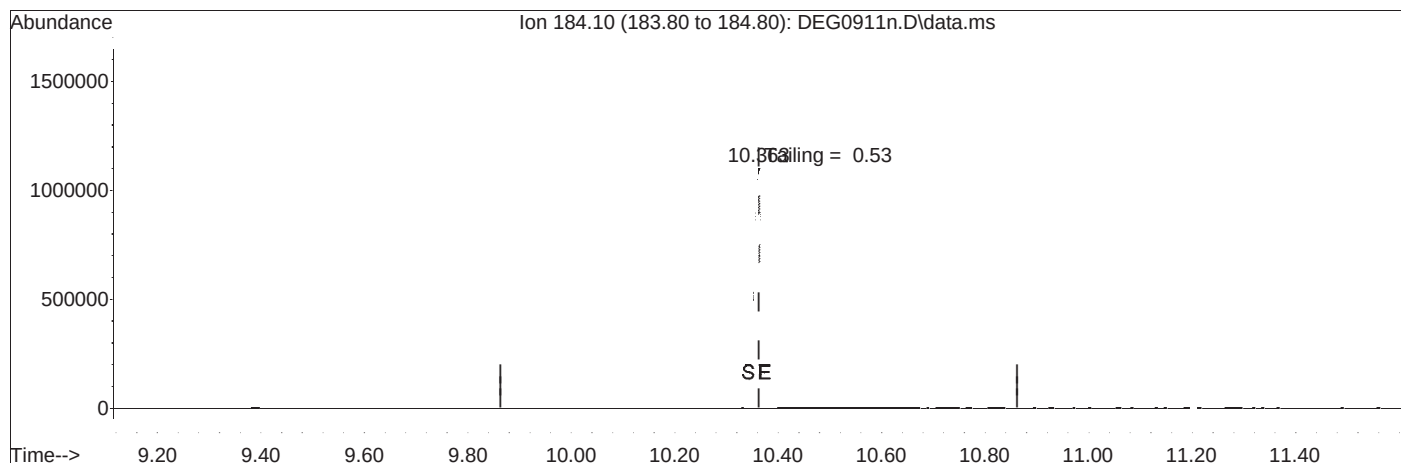
response 234969

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : DEG0911n.D
 Acq On : 12 Sep 2025 12:39 am
 Operator : SV112:ljj
 Sample : WG2113687-6,32,,Degdftpp SV112 Lot # 11883
 Misc : WG2113687,,ical22560
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 12 01:00:14 2025
 Quant Method : I:\8270\SV112\250911NRVT\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Feb 26 15:45:52 2025
 Response via : Initial Calibration



CHROMtools [WG2113687-6,32,,Degdftpp SV112 Lot # 11883]

(3) Benzidine (T)

10.363min (+ 0.000) 0.00

response 1126603

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 111707-1.D
 Acq On : 8 Sep 2025 7:26 am
 Operator : SV106:jg
 Sample : WG2111707-1,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 17:41:06 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.254	152	36336	4.000	ug/ml	0.00
Standard Area 1 = 37897			Recovery =	95.88%		
27) IS2_1,4-Dichlorobenzen...	4.254	152	36336	4.000	ug/ml	0.00
Standard Area 3 = 39953			Recovery =	90.95%		
32) IS3_1,4-Dichlorobenzen...	4.254	152	36336	4.000	ug/ml	0.00
Standard Area 2 = 41528			Recovery =	87.50%		
35) IS1_Naphthalene-d8	5.526	136	143072	4.000	ug/ml	0.00
Standard Area 1 = 150804			Recovery =	94.87%		
55) IS2_Naphthalene-d8	5.526	136	143072	4.000	ug/ml	0.00
Standard Area 3 = 158242			Recovery =	90.41%		
63) IS1_Acenaphthene-d10	7.257	164	81912	4.000	ug/ml	0.00
Standard Area 1 = 88579			Recovery =	92.47%		
83) IS2_Acenaphthene-d10	7.257	164	81912	4.000	ug/ml	0.00
Standard Area 3 = 90220			Recovery =	90.79%		
86) IS3_Acenaphthene-d10	7.257	164	81912	4.000	ug/ml	0.00
Standard Area 2 = 91049			Recovery =	89.96%		
88) IS1_Phenanthrene-d10	8.702	188	151850	4.000	ug/ml	# 0.00
Standard Area 1 = 167258			Recovery =	90.79%		
100) IS3_Phenanthrene-d10	8.702	188	151850	4.000	ug/ml	# 0.00
Standard Area 2 = 180524			Recovery =	84.12%		
104) IS1_Chrysene-d12	11.335	240	152756	4.000	ug/ml	# 0.00
Standard Area 1 = 168352			Recovery =	90.74%		
113) IS1_Perylene-d12	12.792	264	171990	4.000	ug/ml	-0.01
Standard Area 1 = 185516			Recovery =	92.71%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.921	112	8346	0.831	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	41.55%		
7) Phenol-d6	3.950	99	6721	0.561	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	28.05%		
19) Nitrobenzene-d5	4.820	82	6736	0.605	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	60.50%		
46) 2-Fluorobiphenyl	6.623	172	17918	0.610	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	61.00%		
79) 2,4,6-Tribromophenol	8.028	330	4703	1.184	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	59.20%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 111707-1.D
 Acq On : 8 Sep 2025 7:26 am
 Operator : SV106:jg
 Sample : WG2111707-1,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 17:41:06 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.306	244	28203	0.756	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	75.60%
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0		N.D.	
8) Phenol	0.000		0		N.D.	
14) Bis(2-chloroisopropyl)...	0.000		0		N.D.	
15) 2-Methylphenol	0.000		0		N.D.	
17) n-Nitrosodi-n-propylamine	0.000		0		N.D.	d
18) 3-Methylphenol/4-Methy...	0.000		0		N.D.	
20) Nitrobenzene	0.000		0		N.D.	
21) Isophorone	0.000		0		N.D.	
22) 2-Nitrophenol	0.000		0		N.D.	
23) 2,4-Dimethylphenol	0.000		0		N.D.	
24) Bis(2-chloroethoxy)met...	0.000		0		N.D.	
25) 2,4-Dichlorophenol	0.000		0		N.D.	
28) Benzaldehyde	0.000		0		N.D.	
29) Acetophenone	0.000		0		N.D.	
38) 4-Chloroaniline	0.000		0		N.D.	
40) p-Chloro-m-cresol	0.000		0		N.D.	
43) Hexachlorocyclopentadiene	0.000		0		N.D.	
44) 2,4,6-Trichlorophenol	0.000		0		N.D.	
45) 2,4,5-Trichlorophenol	0.000		0		N.D.	
48) 2-Nitroaniline	0.000		0		N.D.	
51) Dimethyl phthalate	0.000		0		N.D.	d
53) 2,6-Dinitrotoluene	0.000		0		N.D.	d
60) Caprolactam	0.000		0		N.D.	
61) 1,2,4,5-Tetrachloroben...	0.000		0		N.D.	
62) Biphenyl	0.000		0		N.D.	
64) 3-Nitroaniline	0.000		0		N.D.	
66) 2,4-Dinitrophenol	0.000		0		N.D.	
67) Dibenzofuran	0.000		0		N.D.	
68) 2,4-Dinitrotoluene	0.000		0		N.D.	d
69) 4-Nitrophenol	0.000		0		N.D.	
72) Diethyl phthalate	0.000		0		N.D.	
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 111707-1.D
 Acq On : 8 Sep 2025 7:26 am
 Operator : SV106:jg
 Sample : WG2111707-1,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 17:41:06 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
87)	Atrazine	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	9.364	149	105574	2.197	ug/ml	98
97)	Butyl benzyl phthalate	0.000		0	N.D.		
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

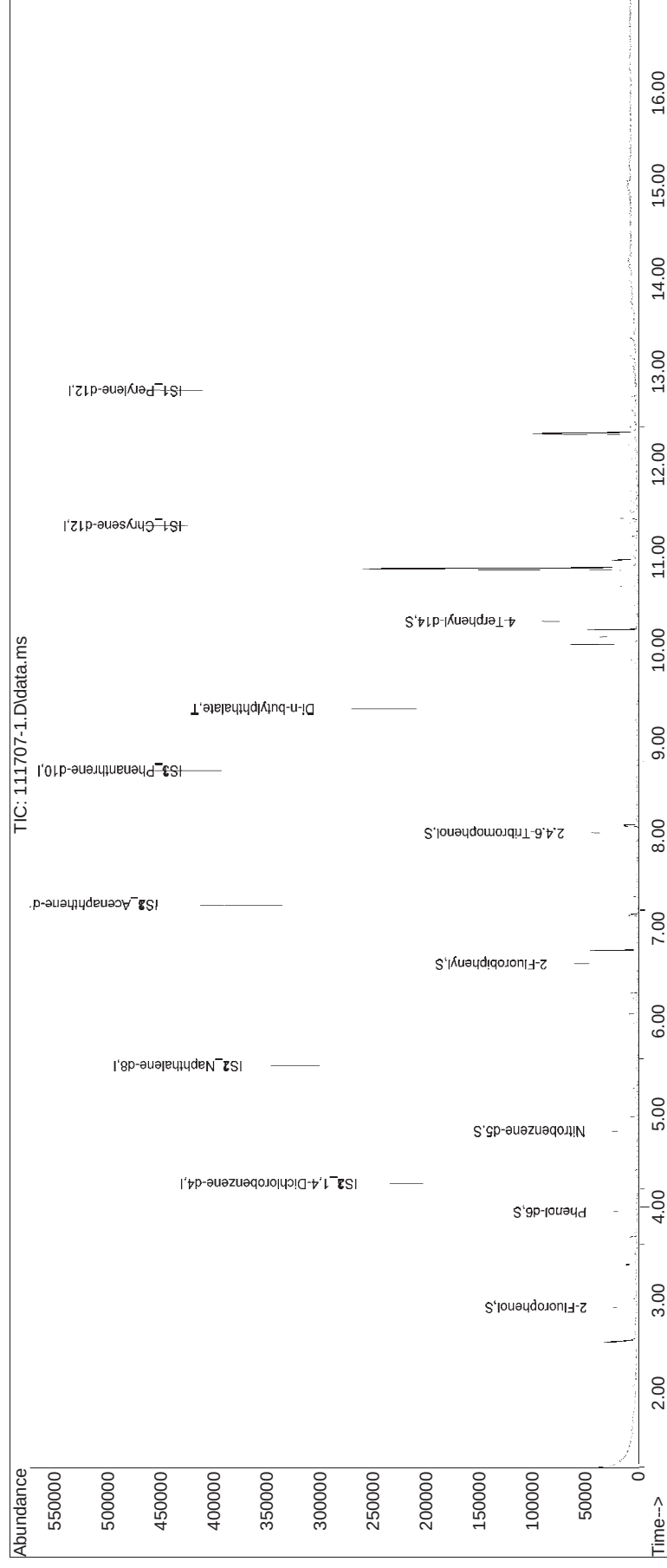
(#) = qualifier out of range (m) = manual integration (+) = signals summed

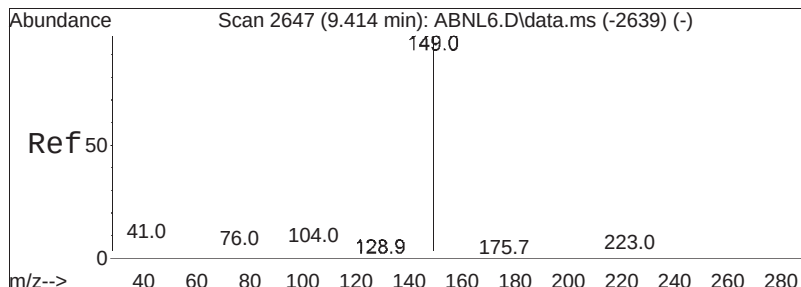
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 111707-1.D
 Acq On : 8 Sep 2025 7:26 am
 Operator : SV106:jg
 Sample : WG2111707-1,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 17:41:06 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

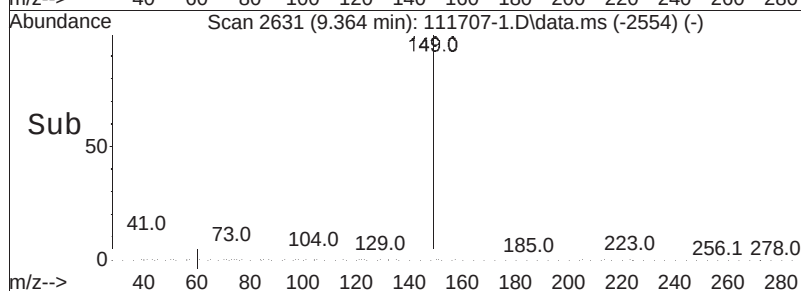
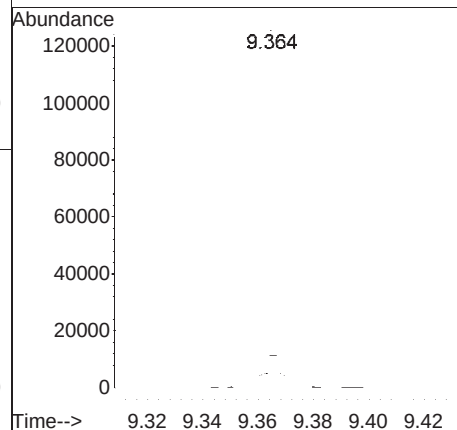
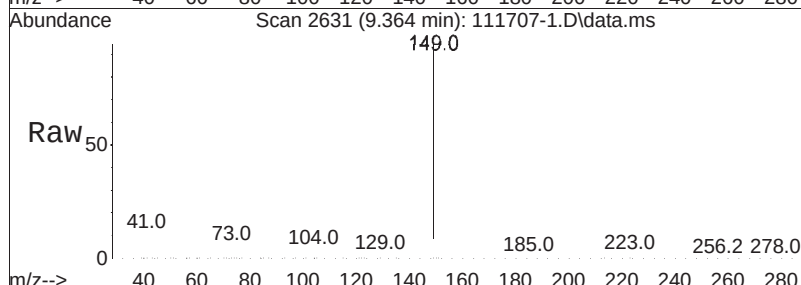
Sub List : 8270IC\888888\SV106\250908RVT\AP90908.D•





#92
 Di-n-butylphthalate
 Concen: 2.20 ug/ml
 RT: 9.364 min Scan# 2631
 Delta R.T. -0.009 min
 Lab File: 111707-1.D
 Acq: 8 Sep 2025 7:26 am

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
150	9.1	7.0	10.6
104	4.5	4.5	6.7



Manual Integration Report

Data Path	: I:\8270\SV106\250908RVT\	QMethod	: FS250827SV106.m
Data File	: 111707-1.D	Operator	: SV106:jg
Date Inj'd	: 9/8/2025 7:26 am	Instrument	: SV 106
Sample	: WG2111707-1,32,,cmm	Quant Date	: 9/8/2025 7:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-1.D
 Acq On : 12 Sep 2025 03:17 am
 Operator : SV112:smz
 Sample : WG2113697-1,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 10:39:39 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.675	152	20737	4.000	ug/ml	0.00
Standard Area 1 = 16261			Recovery =	127.53%		
27) IS2_1,4-Dichlorobenzen...	4.675	152	20737	4.000	ug/ml	0.00
Standard Area 3 = 18558			Recovery =	111.74%		
32) IS3_1,4-Dichlorobenzen...	4.675	152	20737	4.000	ug/ml	0.00
Standard Area 2 = 16242			Recovery =	127.68%		
35) IS1_Naphthalene-d8	5.905	136	79056	4.000	ug/ml	0.00
Standard Area 1 = 64475			Recovery =	122.61%		
55) IS2_Naphthalene-d8	5.905	136	79056	4.000	ug/ml	0.00
Standard Area 3 = 69905			Recovery =	113.09%		
63) IS1_Acenaphthene-d10	7.605	164	51012	4.000	ug/ml	0.00
Standard Area 1 = 44834			Recovery =	113.78%		
83) IS2_Acenaphthene-d10	7.605	164	51012	4.000	ug/ml	0.00
Standard Area 3 = 47596			Recovery =	107.18%		
86) IS3_Acenaphthene-d10	7.605	164	51012	4.000	ug/ml	0.00
Standard Area 2 = 38626			Recovery =	132.07%		
88) IS1_Phenanthrene-d10	9.028	188	119987	4.000	ug/ml	# 0.00
Standard Area 1 = 98025			Recovery =	122.40%		
100) IS3_Phenanthrene-d10	9.028	188	119987	4.000	ug/ml	# 0.00
Standard Area 2 = 90459			Recovery =	132.64%		
104) IS1_Chrysene-d12	11.646	240	135279	4.000	ug/ml	# 0.00
Standard Area 1 = 110763			Recovery =	122.13%		
113) IS1_Perylene-d12	13.104	264	160600	4.000	ug/ml	0.00
Standard Area 1 = 123361			Recovery =	130.19%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.405	112	4468	0.780	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	39.00%		
7) Phenol-d6	4.358	99	4121	0.557	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	27.85%		
19) Nitrobenzene-d5	5.217	82	3482	0.496	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	49.60%		
46) 2-Fluorobiphenyl	6.969	172	9832	0.537	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	53.70%		
79) 2,4,6-Tribromophenol	8.363	330	3567	1.100	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	55.00%		
96) 4-Terphenyl-d14	10.604	244	18074	0.564	ug/ml	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-1.D
 Acq On : 12 Sep 2025 03:17 am
 Operator : SV112:smz
 Sample : WG2113697-1,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 10:39:39 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
Spiked Amount	1.000	Range	30 - 130	Recovery	=	56.40%
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	0.000		0	N.D.		
5) Aniline	0.000		0	N.D.		
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
16) Hexachloroethane	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
33) 1,4-Dioxane	0.000		0	N.D.		
36) Naphthalene	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
39) Hexachlorobutadiene	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
41) 2-Methylnaphthalene	0.000		0	N.D.		
42) 1-Methylnaphthalene	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-1.D
 Acq On : 12 Sep 2025 03:17 am
 Operator : SV112:smz
 Sample : WG2113697-1,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 10:39:39 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
52) Acenaphthylene	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
56) a-Terpineol	0.000		0	N.D.		
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
73) Fluorene	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
78) Azobenzene	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
81) Hexachlorobenzene	0.000		0	N.D.		
82) Pentachlorophenol	0.000		0	N.D.		
85) Pentachloronitrobenzene	0.000		0	N.D.		
87) Atrazine	0.000		0	N.D.		
89) Phenanthrene	0.000		0	N.D.		
90) Anthracene	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	9.657	149	40688	1.166	ug/ml	98
93) Fluoranthene	0.000		0	N.D.		
94) Benzidine	0.000		0	N.D.		
95) Pyrene	0.000		0	N.D.		
97) Butyl benzyl phthalate	0.000		0	N.D.		
102) Parathion	0.000		0	N.D.		
105) Benzo(a)anthracene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-1.D
 Acq On : 12 Sep 2025 03:17 am
 Operator : SV112:smz
 Sample : WG2113697-1,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 10:39:39 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
107)	Chrysene	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	11.757	149	1844	0.190	ug/ml#	56
109)	Di-n-octylphthalate	0.000		0	N.D.		
110)	Benzo(b)fluoranthene	0.000		0	N.D.		
111)	Benzo(k)fluoranthene	0.000		0	N.D.		
112)	Benzo(a)pyrene	0.000		0	N.D.	d	
114)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
115)	Dibenzo(a,h)anthracene	0.000		0	N.D.		
116)	Benzo(ghi)perylene	0.000		0	N.D.		

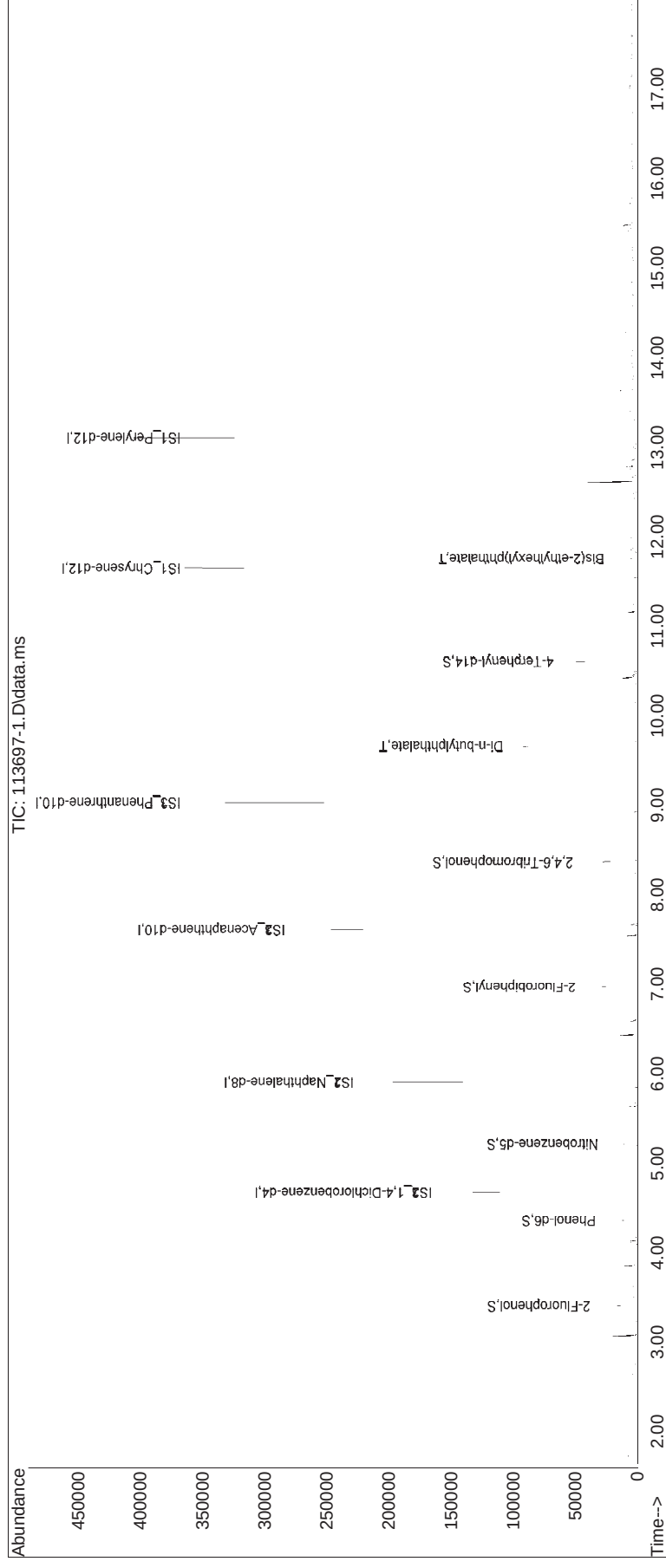
(#) = qualifier out of range (m) = manual integration (+) = signals summed

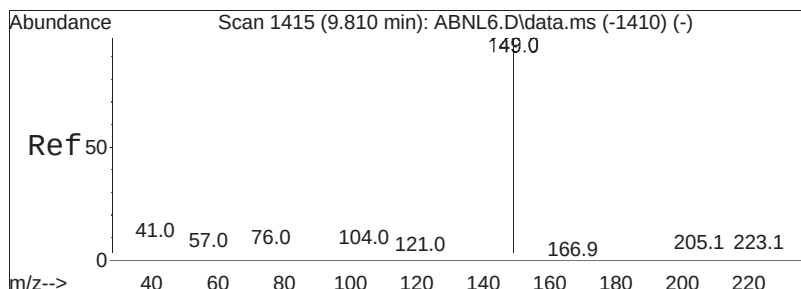
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-1.D
 Acq On : 12 Sep 2025 03:17 am
 Operator : SV112:smz
 Sample : WG2113697-1,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 10:39:39 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

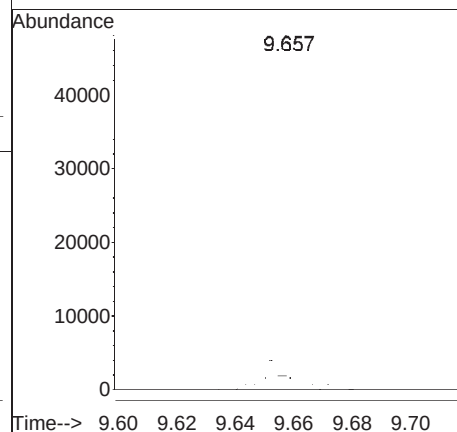
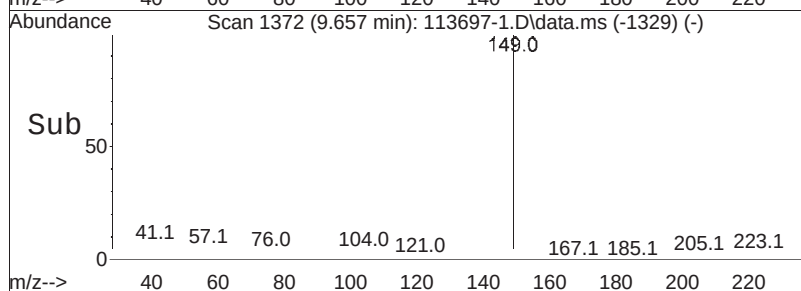
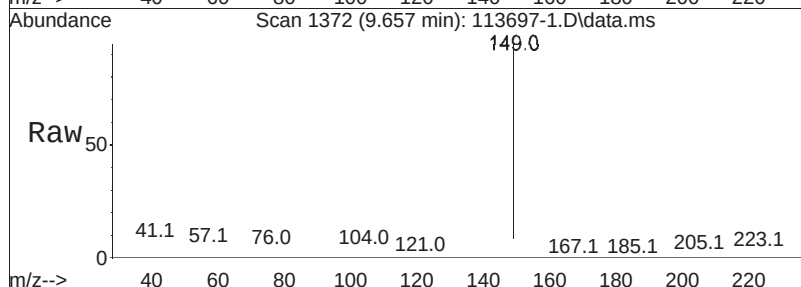
Sub List : 8270ITC\8888\SV112\250911NRVT\AP90911n.D•

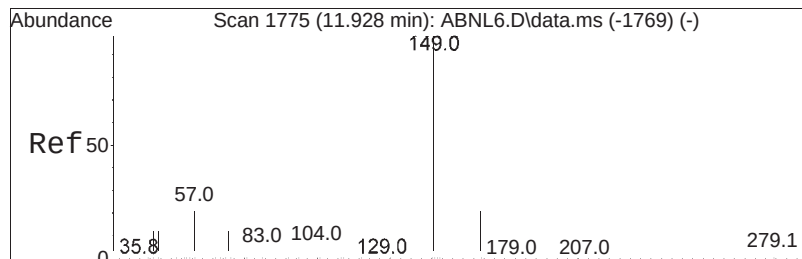




#92
 Di-n-butylphthalate
 Concen: 1.17 ug/ml
 RT: 9.657 min Scan# 1372
 Delta R.T. 0.000 min
 Lab File: 113697-1.D
 Acq: 12 Sep 2025 03:17 am

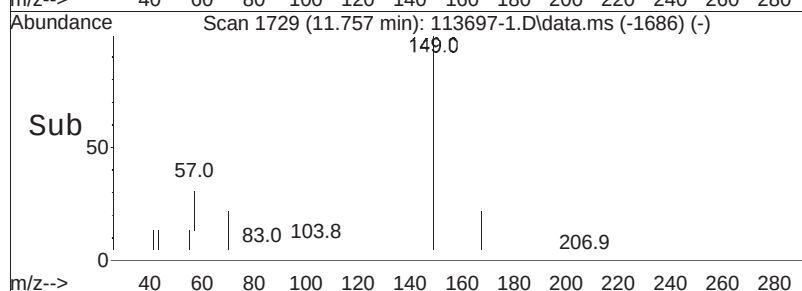
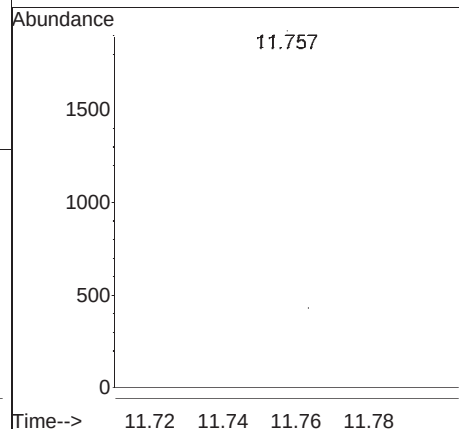
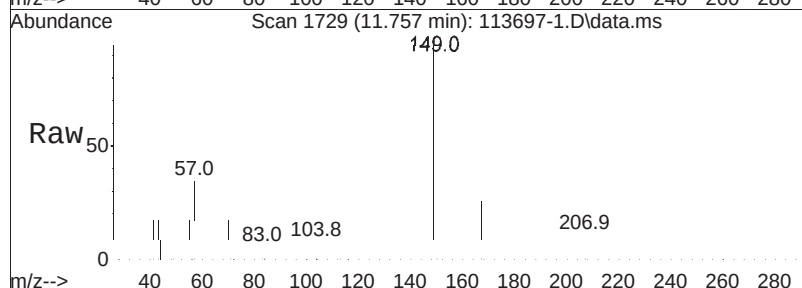
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	40688		
150	9.5		7.3	10.9
104	4.1		4.0	6.0





#108
 Bis(2-ethylhexyl)phthalate
 Concen: 0.19 ug/ml
 RT: 11.757 min Scan# 1729
 Delta R.T. 0.000 min
 Lab File: 113697-1.D
 Acq: 12 Sep 2025 03:17 am

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	18.4	27.6#
279	0.0	1.7	2.5#



Manual Integration Report

Data Path	: I:\8270\SV112\250911NRVT\	QMethod	: FS250817SV112RVT.m
Data File	: 113697-1.D	Operator	: SV112:smz
Date Inj'd	: 9/12/2025 3:17 am	Instrument	: SV112
Sample	: WG2113697-1,32,,ASK	Quant Date	: 9/12/2025 3:36 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 111707-2.D
 Acq On : 8 Sep 2025 7:47 am
 Operator : SV106:jg
 Sample : WG2111707-2,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 17:41:21 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.255	152	39673	4.000	ug/ml	0.00
Standard Area 1 = 37897			Recovery =	104.69%		
27) IS2_1,4-Dichlorobenzen...	4.255	152	39673	4.000	ug/ml	0.00
Standard Area 3 = 39953			Recovery =	99.30%		
32) IS3_1,4-Dichlorobenzen...	4.255	152	39673	4.000	ug/ml	0.00
Standard Area 2 = 41528			Recovery =	95.53%		
35) IS1_Naphthalene-d8	5.523	136	153473	4.000	ug/ml	# 0.00
Standard Area 1 = 150804			Recovery =	101.77%		
55) IS2_Naphthalene-d8	5.523	136	153473	4.000	ug/ml	# 0.00
Standard Area 3 = 158242			Recovery =	96.99%		
63) IS1_Acenaphthene-d10	7.257	164	89308	4.000	ug/ml	0.00
Standard Area 1 = 88579			Recovery =	100.82%		
83) IS2_Acenaphthene-d10	7.257	164	89308	4.000	ug/ml	0.00
Standard Area 3 = 90220			Recovery =	98.99%		
86) IS3_Acenaphthene-d10	7.257	164	89308	4.000	ug/ml	0.00
Standard Area 2 = 91049			Recovery =	98.09%		
88) IS1_Phenanthrene-d10	8.702	188	169396	4.000	ug/ml	# 0.00
Standard Area 1 = 167258			Recovery =	101.28%		
100) IS3_Phenanthrene-d10	8.702	188	169396	4.000	ug/ml	# 0.00
Standard Area 2 = 180524			Recovery =	93.84%		
104) IS1_Chrysene-d12	11.335	240	167802	4.000	ug/ml	# 0.00
Standard Area 1 = 168352			Recovery =	99.67%		
113) IS1_Perylene-d12	12.793	264	191363	4.000	ug/ml	-0.01
Standard Area 1 = 185516			Recovery =	103.15%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.924	112	10070	0.918	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	45.90%		
7) Phenol-d6	3.950	99	9445	0.723	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	36.15%		
19) Nitrobenzene-d5	4.817	82	8114	0.667	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	66.70%		
46) 2-Fluorobiphenyl	6.623	172	20685	0.657	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	65.70%		
79) 2,4,6-Tribromophenol	8.031	330	5931	1.370	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	68.50%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 111707-2.D
 Acq On : 8 Sep 2025 7:47 am
 Operator : SV106:jg
 Sample : WG2111707-2,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 17:41:21 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.306	244	31392	0.755	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	75.50%
Target Compounds						Qvalue
6) 2-Chlorophenol	4.043	128	16282	1.233	ug/ml#	87
8) Phenol	3.962	94	10353	0.724	ug/ml	94
14) Bis(2-chloroisopropyl)...	4.584	45	23266	1.257	ug/ml#	62
15) 2-Methylphenol	4.572	108	13599	1.242	ug/ml	98
17) n-Nitrosodi-n-propylamine	4.705	70	11114	1.376	ug/ml	93
18) 3-Methylphenol/4-Methy...	4.733	108	13830	1.155	ug/ml	97
20) Nitrobenzene	4.836	77	15689	1.255	ug/ml	96
21) Isophorone	5.091	82	28974	1.272	ug/ml	98
22) 2-Nitrophenol	5.159	139	8204	1.292	ug/ml#	86
23) 2,4-Dimethylphenol	5.255	107	15364	1.219	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.342	93	20334	1.326	ug/ml#	97
25) 2,4-Dichlorophenol	5.408	162	15547	1.340	ug/ml	94
28) Benzaldehyde	3.801	105	13048	2.040	ug/ml	89
29) Acetophenone	4.677	105	24286	1.285	ug/ml#	80
38) 4-Chloroaniline	5.628	65	6264M3	1.395	ug/ml	
40) p-Chloro-m-cresol	6.147	107	15845	1.455	ug/ml	97
43) Hexachlorocyclopentadiene	6.418	237	8348	0.856	ug/ml	99
44) 2,4,6-Trichlorophenol	6.539	196	11121	1.359	ug/ml	93
45) 2,4,5-Trichlorophenol	6.567	196	13503	1.470	ug/ml	99
48) 2-Nitroaniline	6.831	138	11396	1.441	ug/ml#	80
51) Dimethyl phthalate	7.046	163	46288	1.408	ug/ml#	98
53) 2,6-Dinitrotoluene	7.083	165	8520	1.329	ug/ml#	78
60) Caprolactam	5.933	55	3521	0.647	ug/ml#	75
61) 1,2,4,5-Tetrachloroben...	6.412	216	15928	1.113	ug/ml	96
62) Biphenyl	6.713	154	44413	1.243	ug/ml	98
64) 3-Nitroaniline	7.235	138	10829	1.420	ug/ml#	91
66) 2,4-Dinitrophenol	7.338	184	4520	1.223	ug/ml	95
67) Dibenzofuran	7.459	168	55278	1.343	ug/ml	88
68) 2,4-Dinitrotoluene	7.471	165	12174	1.418	ug/ml	93
69) 4-Nitrophenol	7.440	65	5315	1.000	ug/ml#	33
72) Diethyl phthalate	7.745	149	48060	1.420	ug/ml	100
74) 4-Chlorophenyl phenyl ...	7.823	204	20481	1.332	ug/ml	89
75) 4-Nitroaniline	7.826	138	10194	1.355	ug/ml	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 111707-2.D
 Acq On : 8 Sep 2025 7:47 am
 Operator : SV106:jg
 Sample : WG2111707-2,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 17:41:21 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4,6-Dinitro-o-cresol	7.866	198	6567	1.375	ug/ml#	68
77)	NDPA/DPA	7.941	169	38566	1.428	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.295	248	12532	1.323	ug/ml#	86
87)	Atrazine	8.494	200	12879	1.551	ug/ml	93
91)	Carbazole	8.951	167	72483	1.583	ug/ml	99
92)	Di-n-butylphthalate	9.364	149	224153	4.181	ug/ml#	98
97)	Butyl benzyl phthalate	10.838	149	37837	1.689	ug/ml	89
106)	3,3'-Dichlorobenzidine	11.338	252	27238	1.399	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.481	149	62358	1.756	ug/ml#	90
109)	Di-n-octylphthalate	12.158	149	99952	1.679	ug/ml#	73

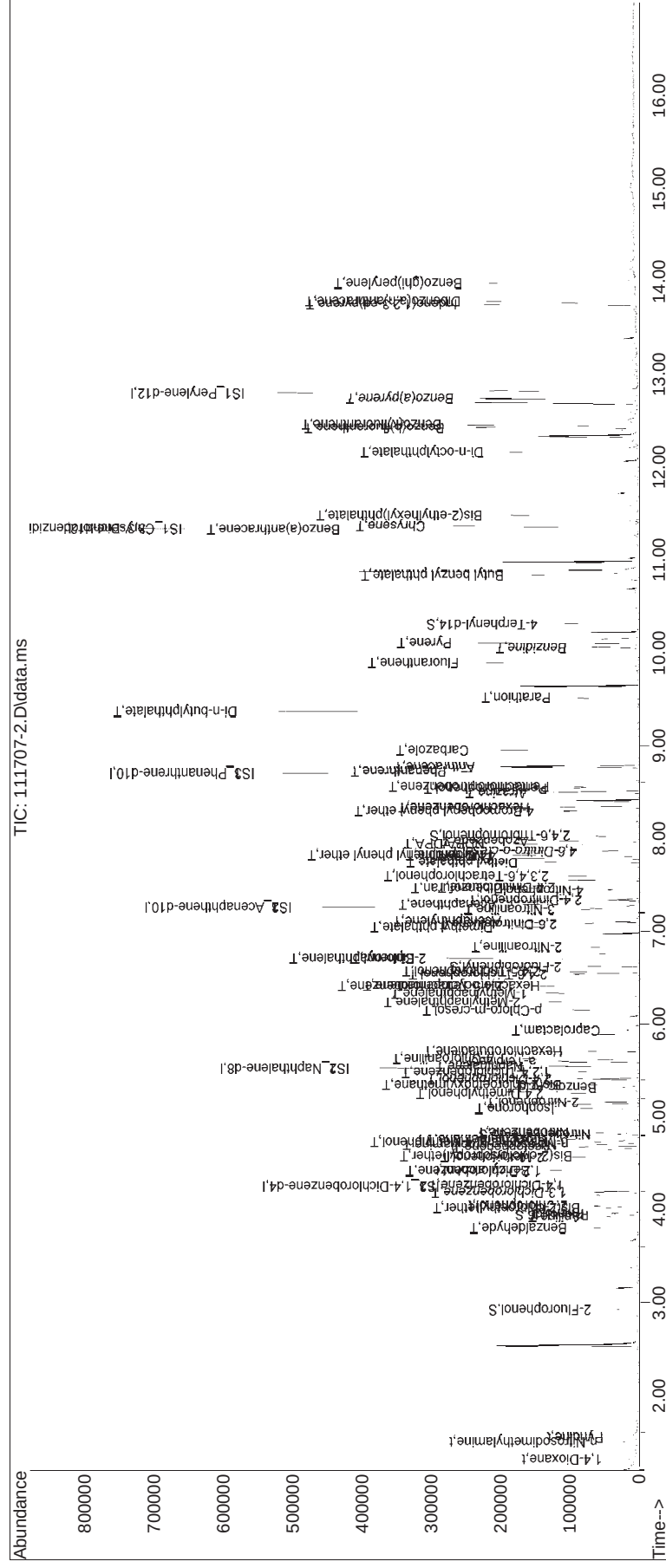
(#) = qualifier out of range (m) = manual integration (+) = signals summed

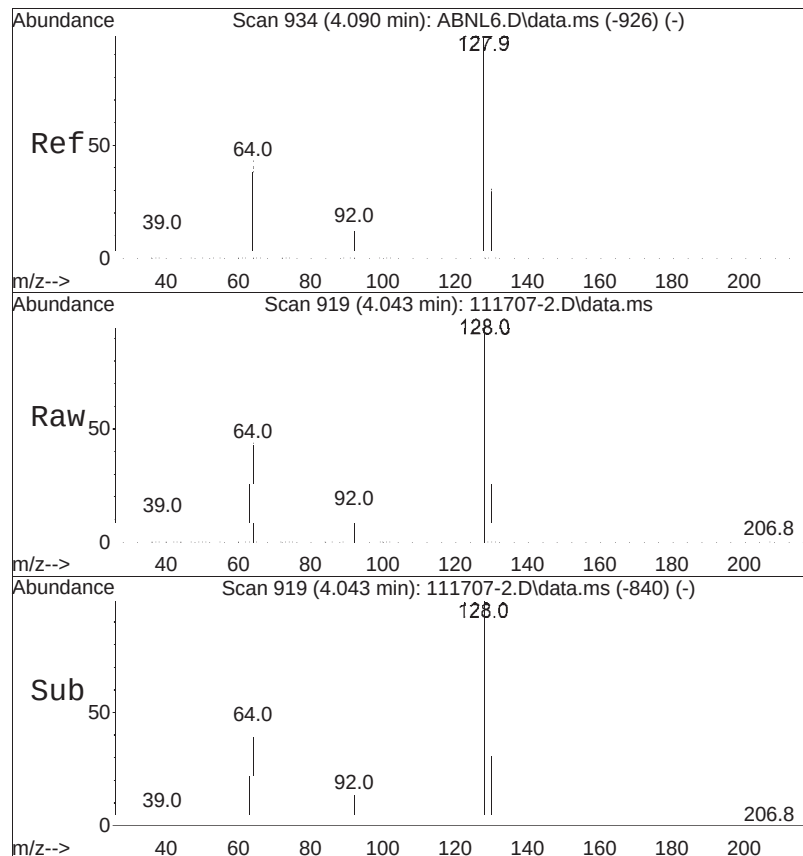
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 111707-2.D
 Acq On : 8 Sep 2025 7:47 am
 Operator : SV106:jg
 Sample : WG21111707-2,32,,cmm
 Misc : wg21111831,WG21111707,ical22591
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 17:41:21 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

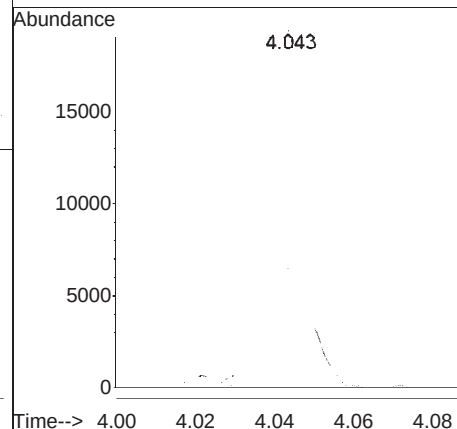
Sub List : 8270IC\8270SV106\250908RVT\AP90908.D.

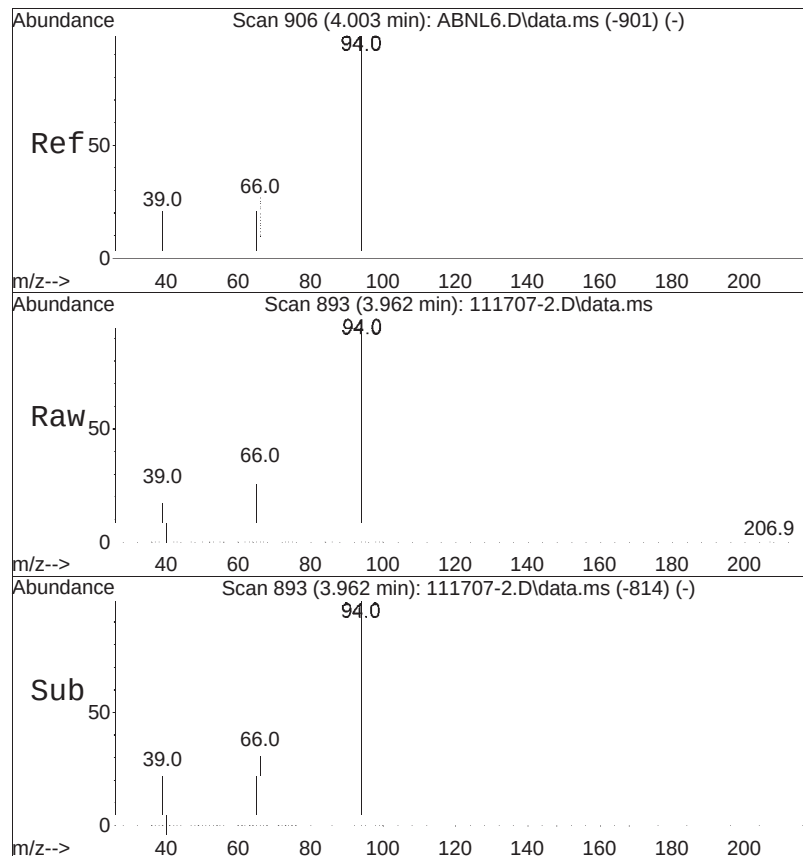




#6
 2-Chlorophenol
 Concen: 1.23 ug/ml
 RT: 4.043 min Scan# 919
 Delta R.T. -0.003 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

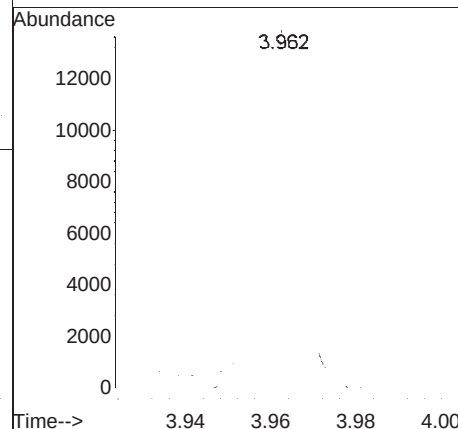
Tgt Ion	Ion:128	Resp:	16282
Ion	Ratio	Lower	Upper
128	100		
64	42.2	45.1	67.7#
130	32.0	26.2	39.4

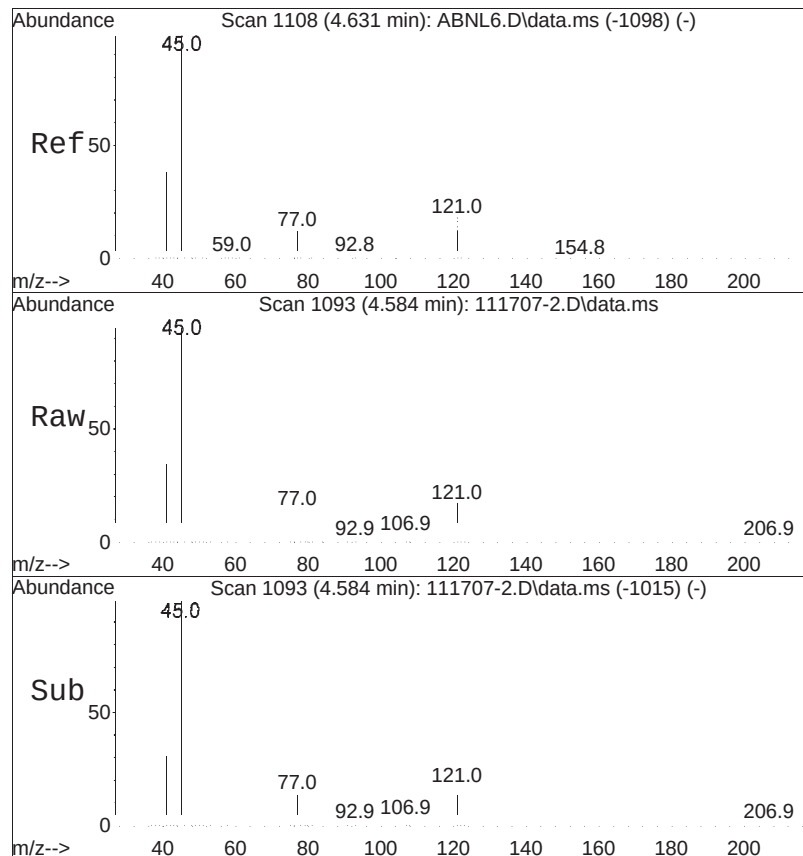




#8
 Phenol
 Concen: 0.72 ug/ml
 RT: 3.962 min Scan# 893
 Delta R.T. -0.003 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

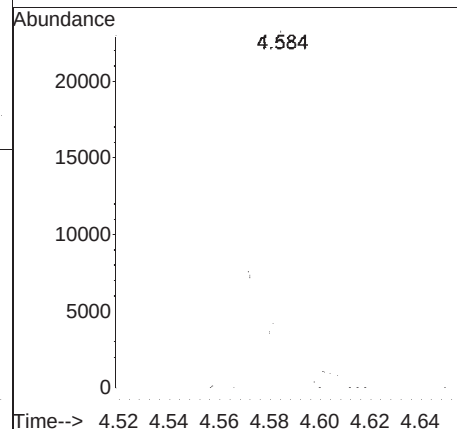
Tgt Ion: 94	Resp: 10353
Ion Ratio	Lower Upper
94 100	
65 29.3	26.0 39.0
66 38.5	33.8 50.8

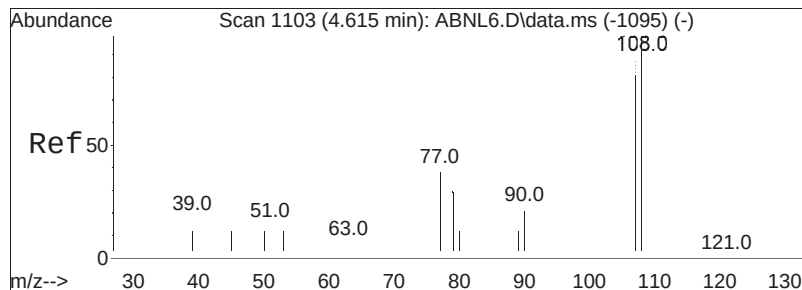




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.26 ug/ml
 RT: 4.584 min Scan# 1093
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

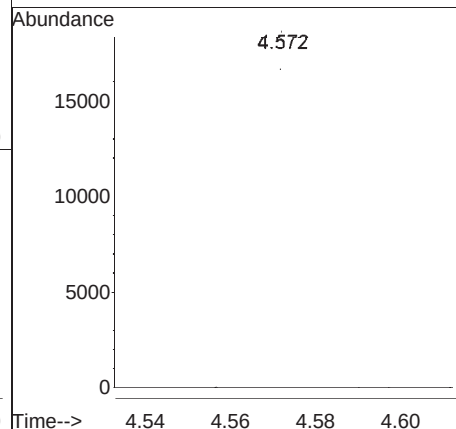
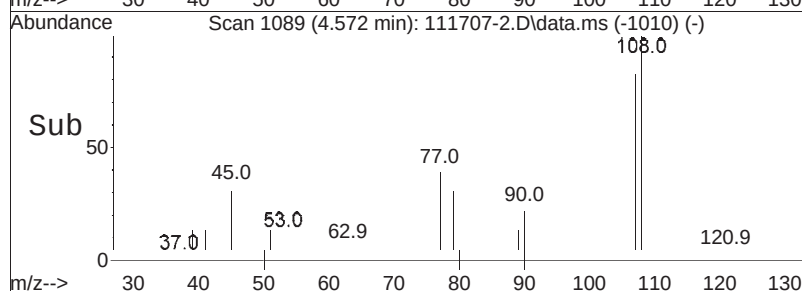
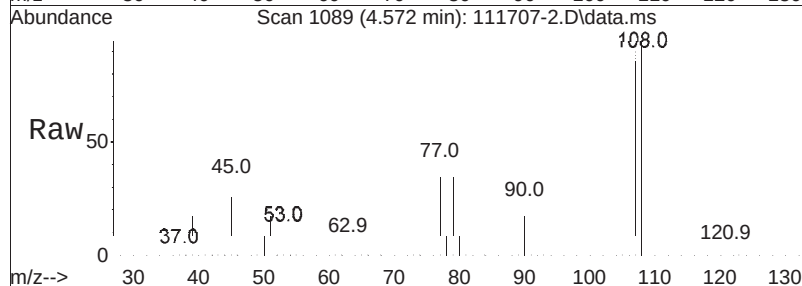
Tgt	Ion: 45	Resp:	23266
Ion	Ratio	Lower	Upper
45	100		
121	17.5	9.8	14.6#
77	34.9	6.1	9.1#

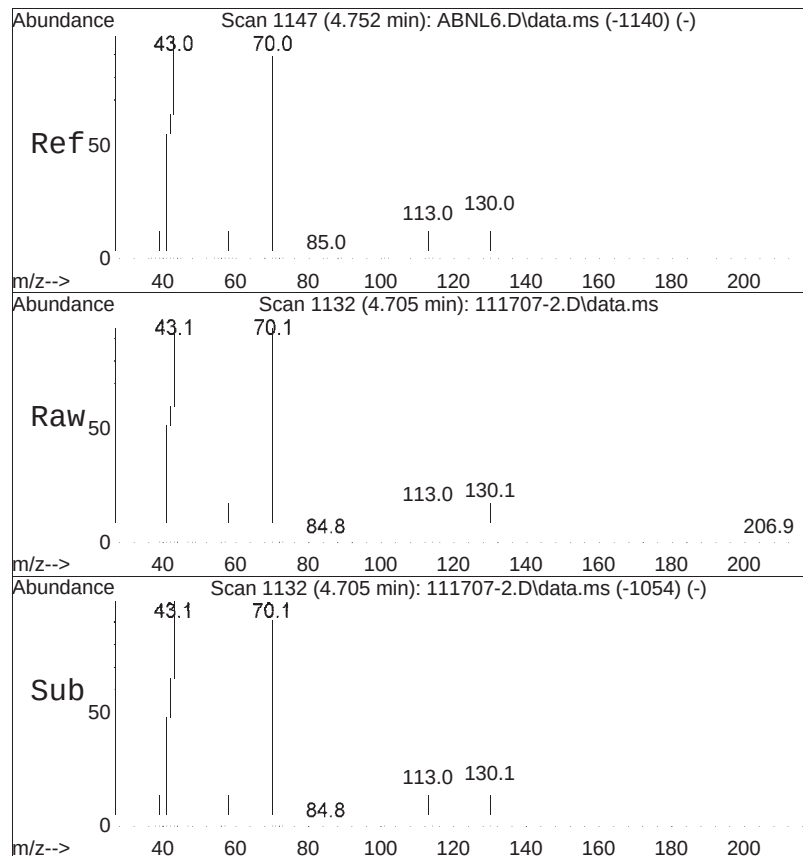




#15
 2-Methylphenol
 Concen: 1.24 ug/ml
 RT: 4.572 min Scan# 1089
 Delta R.T. -0.003 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

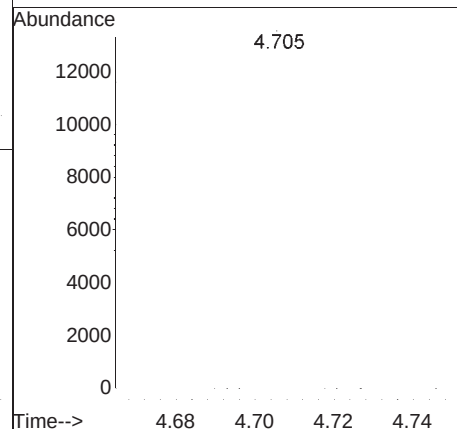
Tgt Ion	Ratio	Lower	Upper
108	100		
107	85.7	70.7	106.1
90	23.2	18.7	28.1

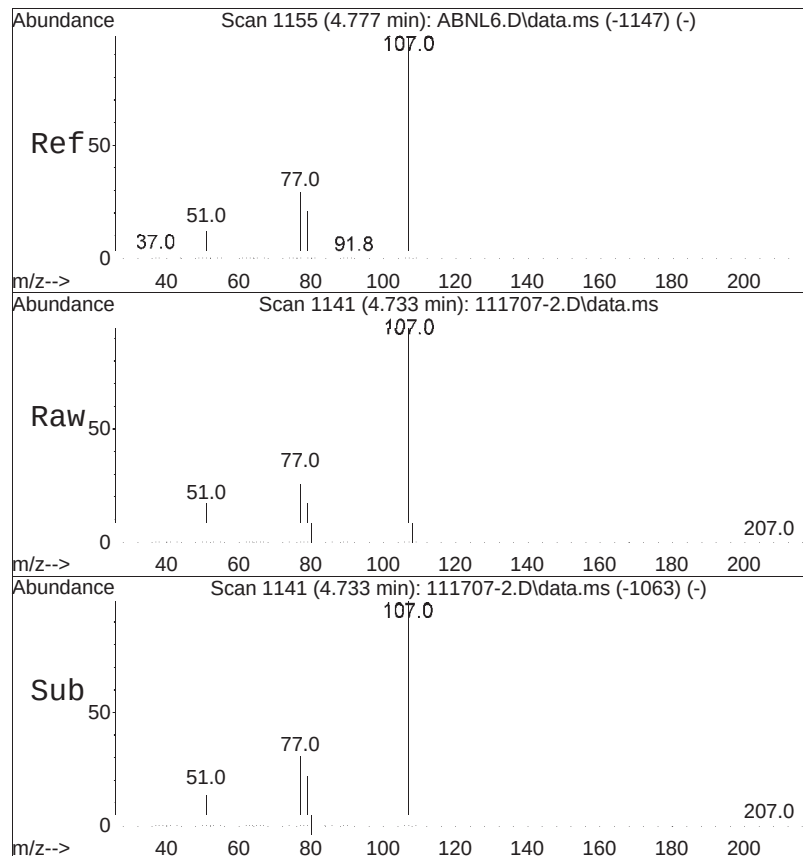




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.38 ug/ml
 RT: 4.705 min Scan# 1132
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

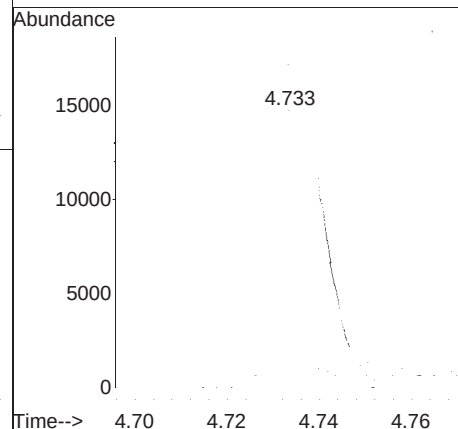
Tgt Ion: 70	Resp: 11114
Ion Ratio Lower Upper	
70 100	
130 18.7	18.2 27.4
101 8.7	7.8 11.8

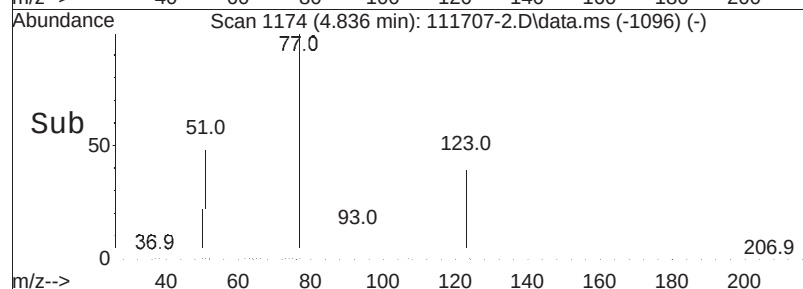
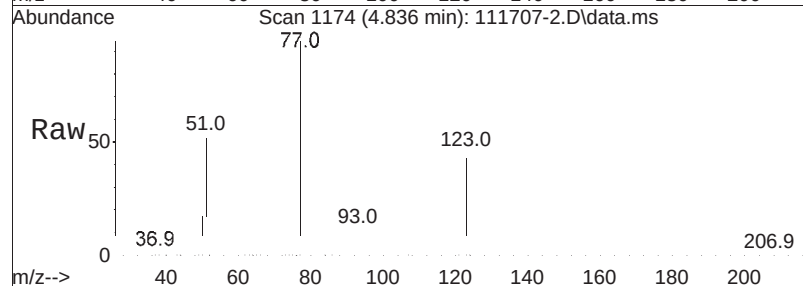
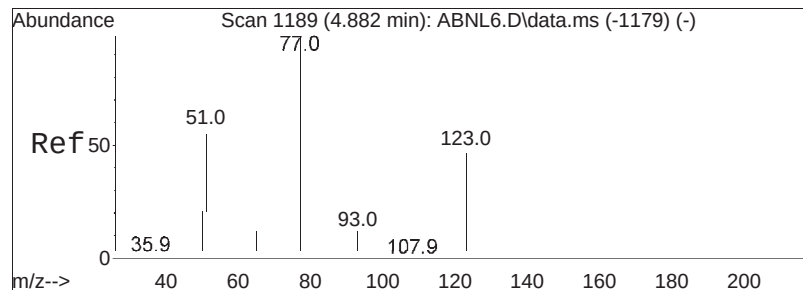




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.16 ug/ml
 RT: 4.733 min Scan# 1141
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

Tgt Ion:	108	Resp:	13830
Ion Ratio	Lower	Upper	
108	100		
107	114.0	88.6	132.8
90	10.8	8.8	13.2





#20

Nitrobenzene

Concen: 1.26 ug/ml

RT: 4.836 min Scan# 1174

Delta R.T. -0.006 min

Lab File: 111707-2.D

Acq: 8 Sep 2025 7:47 am

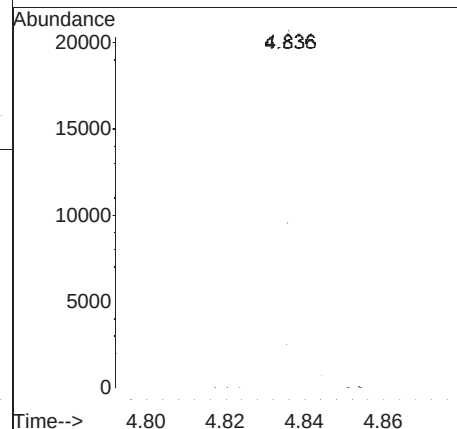
Tgt Ion: 77 Resp: 15689

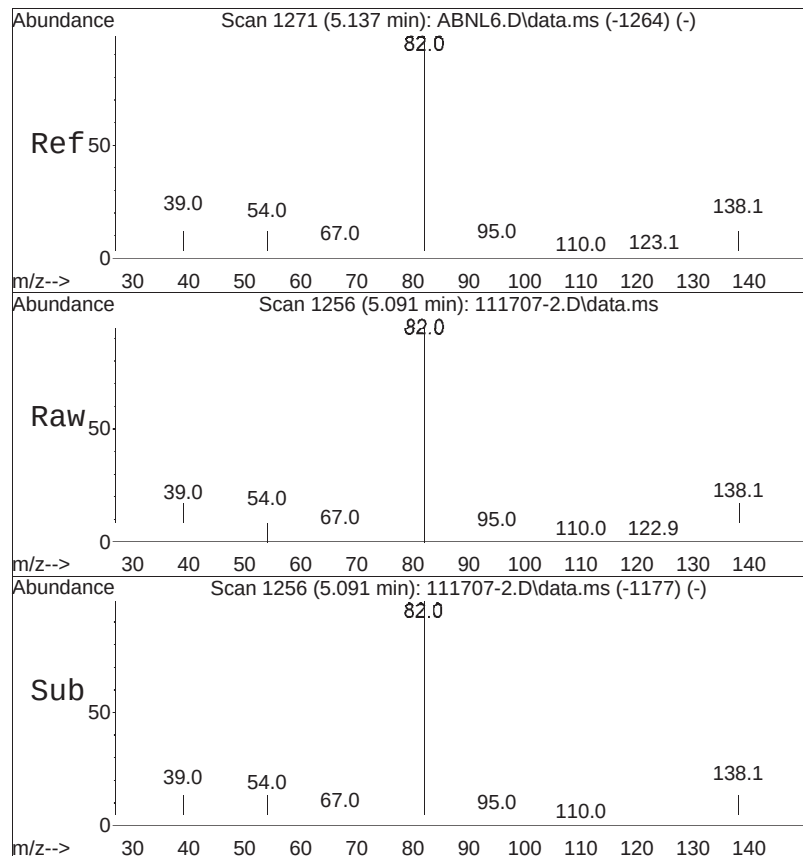
Ion Ratio Lower Upper

77 100

123 48.2 36.3 54.5

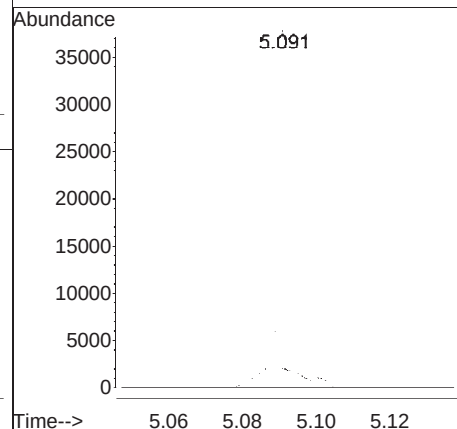
65 12.8 11.6 17.4

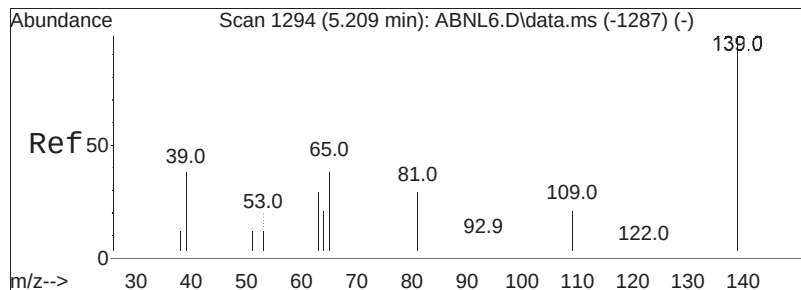




#21
 Isophorone
 Concen: 1.27 ug/ml
 RT: 5.091 min Scan# 1256
 Delta R.T. -0.003 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

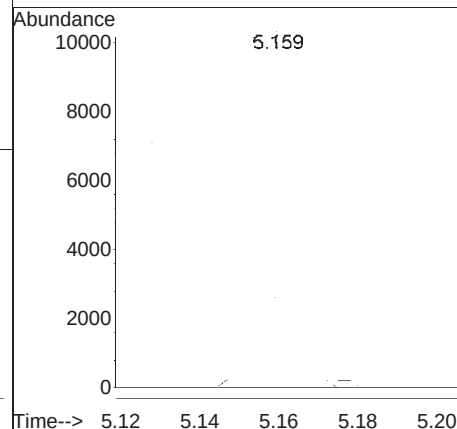
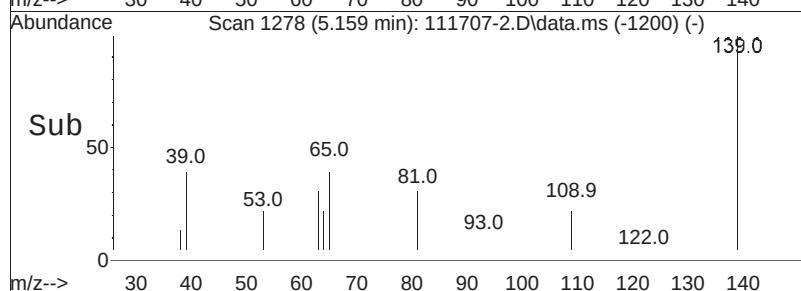
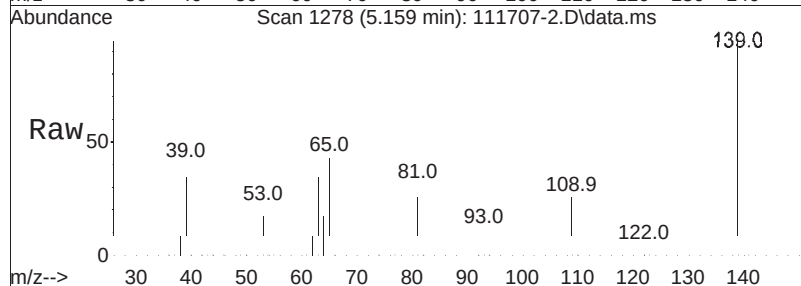
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	28974		
138	17.2		14.7	22.1
95	6.5		5.2	7.8

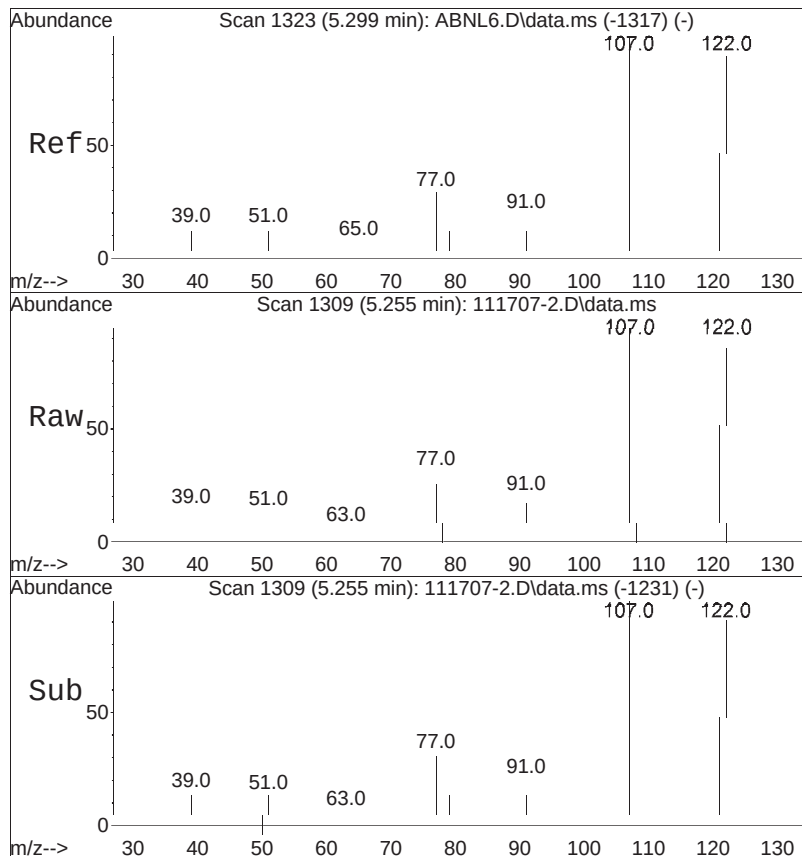




#22
 2-Nitrophenol
 Concen: 1.29 ug/ml
 RT: 5.159 min Scan# 1278
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

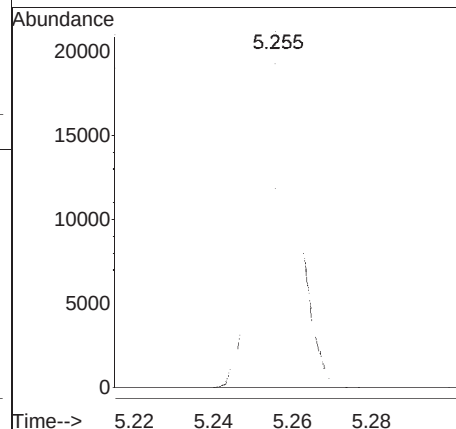
Tgt Ion	Ratio	Lower	Upper
139	100		
109	23.3	19.4	29.0
65	43.1	46.1	69.1#

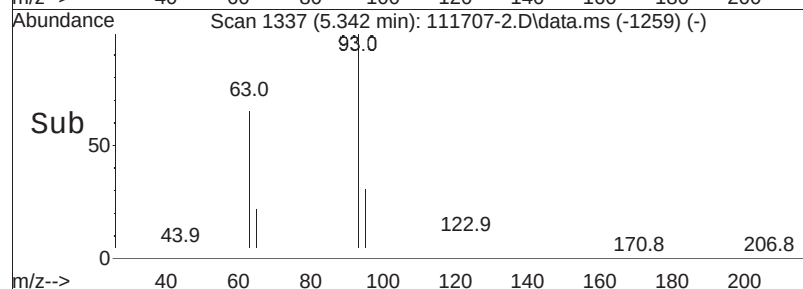
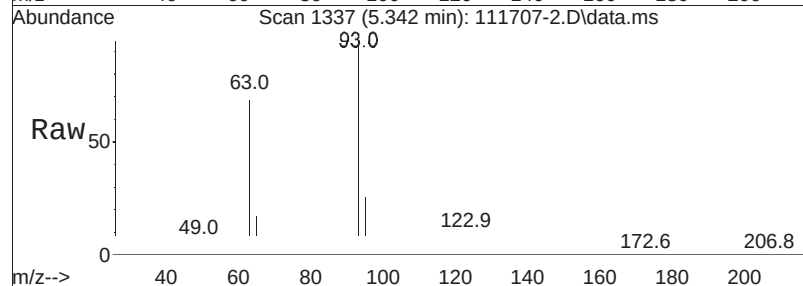
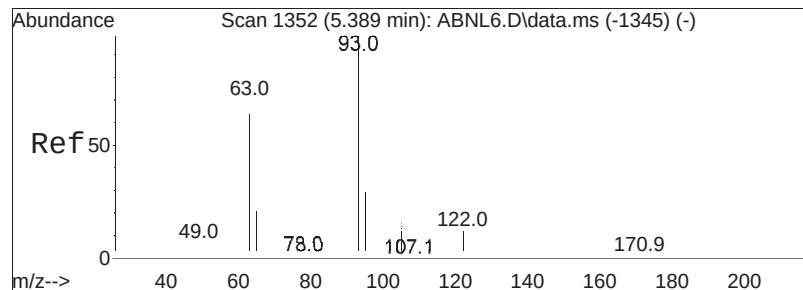




#23
 2,4-Dimethylphenol
 Concen: 1.22 ug/ml
 RT: 5.255 min Scan# 1309
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

Tgt Ion	Ratio	Lower	Upper
107	100		
121	55.1	40.0	60.0
122	90.4	70.2	105.4





#24

Bis(2-chloroethoxy)methane

Concen: 1.33 ug/ml

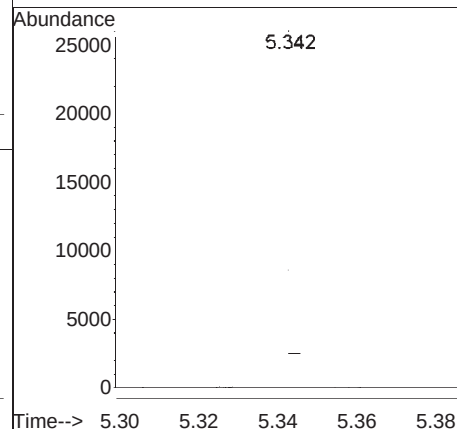
RT: 5.342 min Scan# 1337

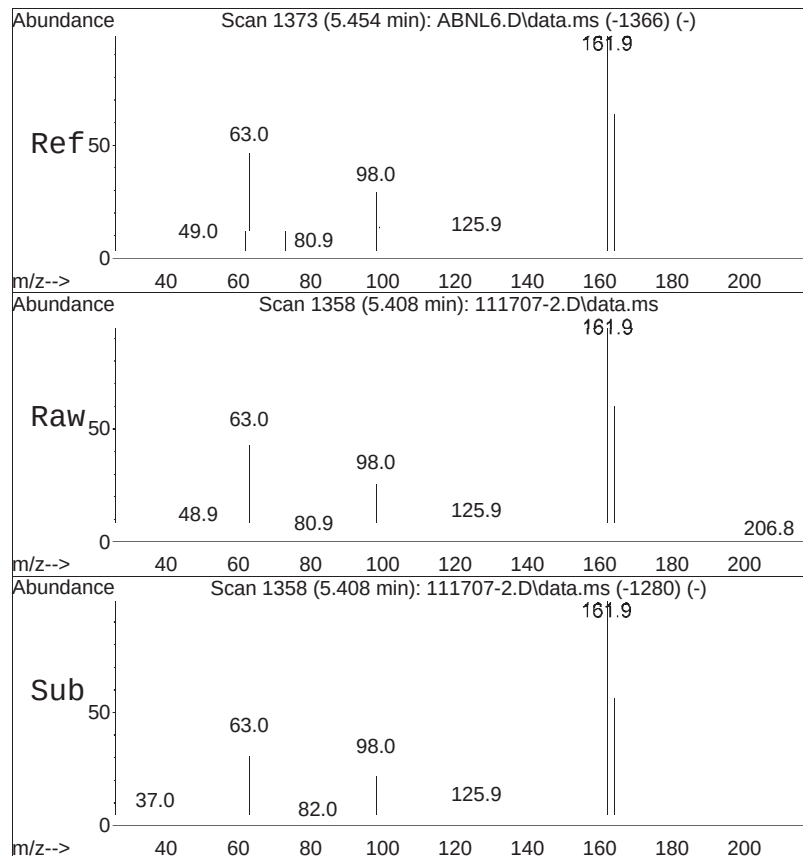
Delta R.T. -0.006 min

Lab File: 111707-2.D

Acq: 8 Sep 2025 7:47 am

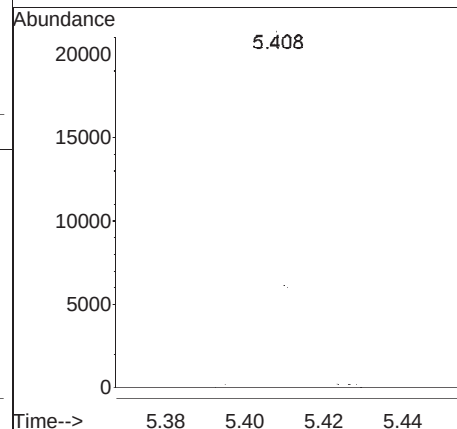
Tgt	Ion: 93	Resp:	20334
Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.8	38.8
123	9.6	10.1	15.1#

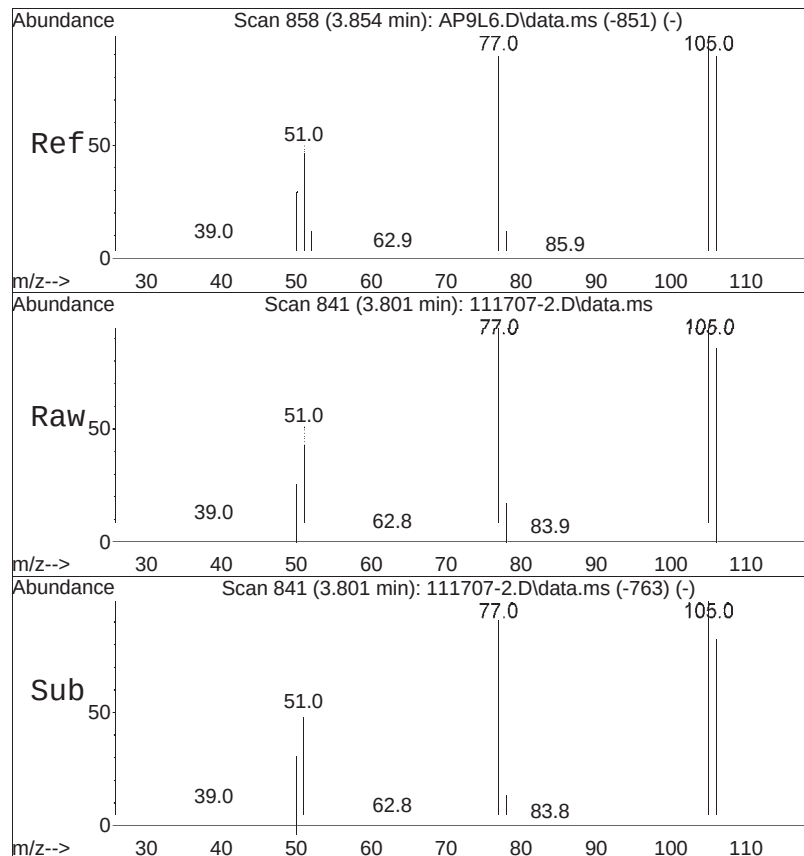




#25
 2,4-Dichlorophenol
 Concen: 1.34 ug/ml
 RT: 5.408 min Scan# 1358
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

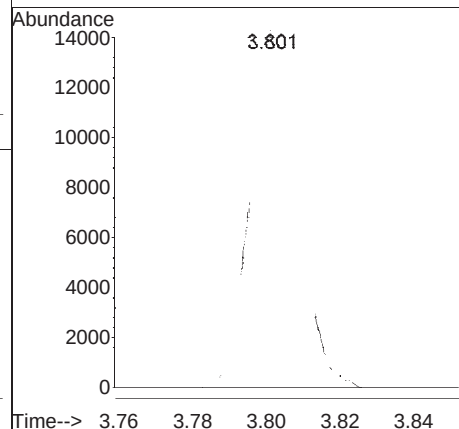
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.5	51.0	76.4
98	32.2	32.2	48.2

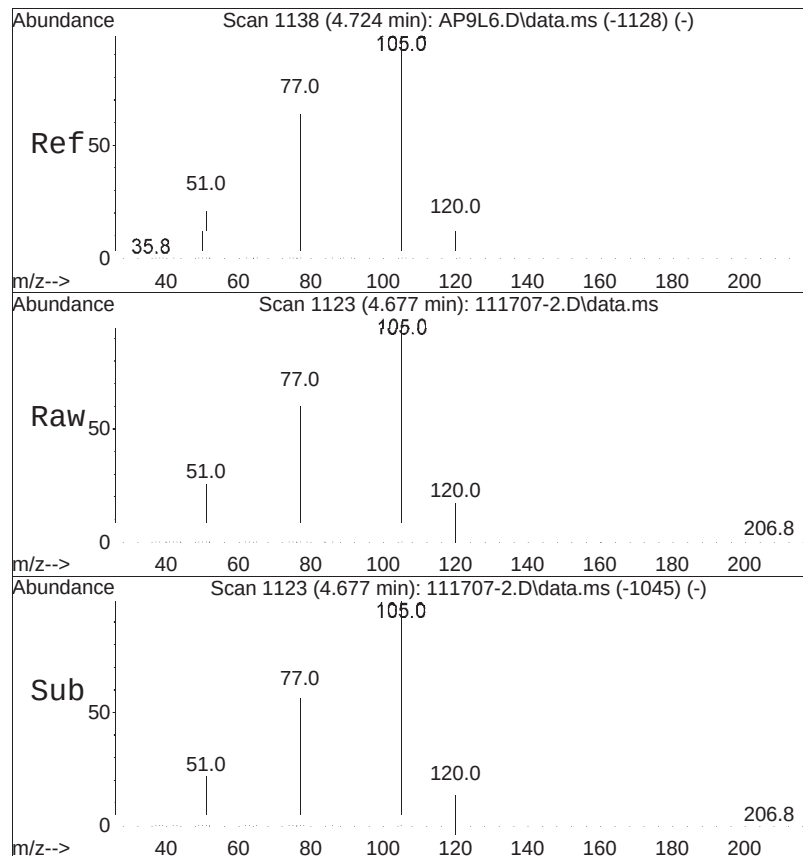




#28
 Benzaldehyde
 Concen: 2.04 ug/ml
 RT: 3.801 min Scan# 841
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

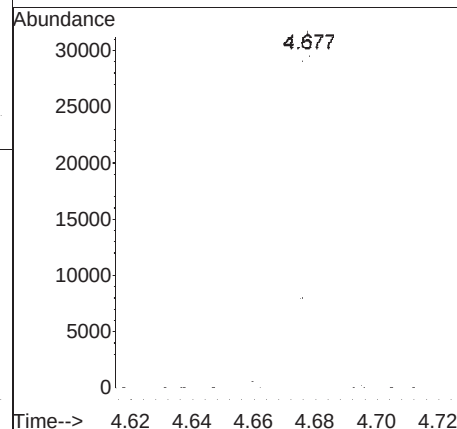
Tgt Ion	105	77	Ratio	100	Resp	Lower	Upper
105	100				13048		
77		91.8				82.2	123.4

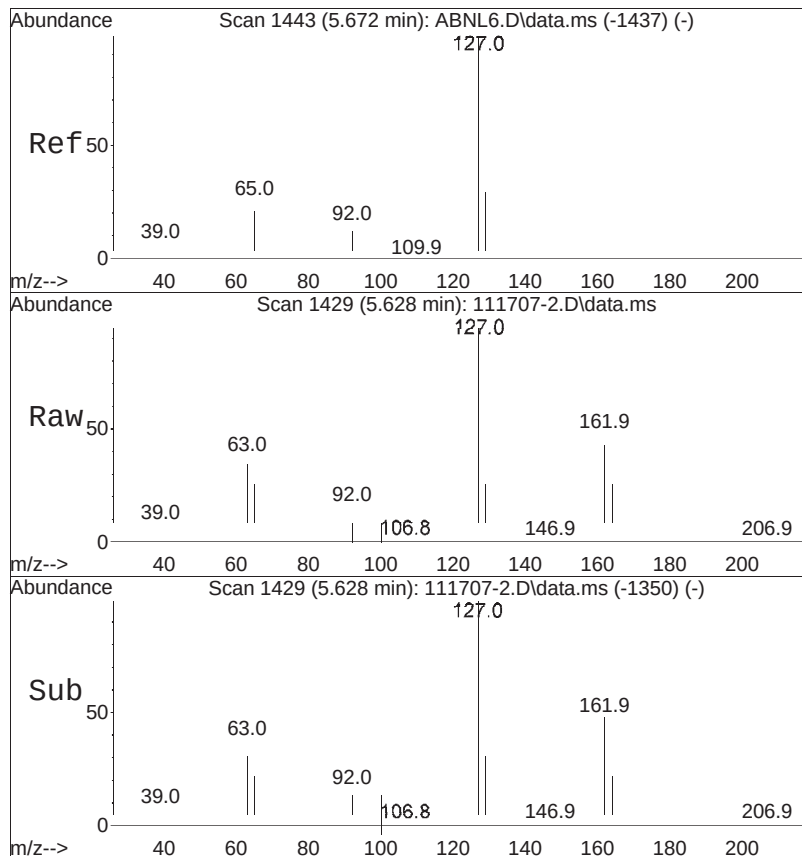




#29
 Acetophenone
 Concen: 1.29 ug/ml
 RT: 4.677 min Scan# 1123
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

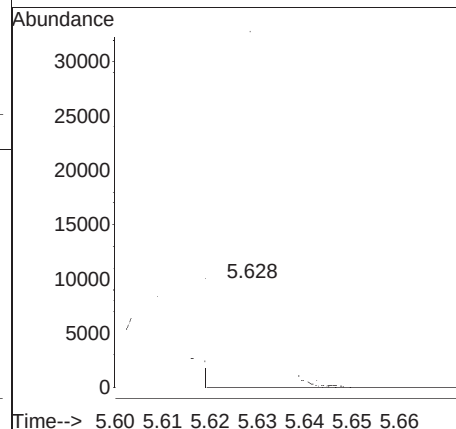
Tgt Ion:	105	Resp:	24286
Ion Ratio	Lower	Upper	
105	100		
120	18.8	20.5	30.7#
51	28.6	34.9	52.3#

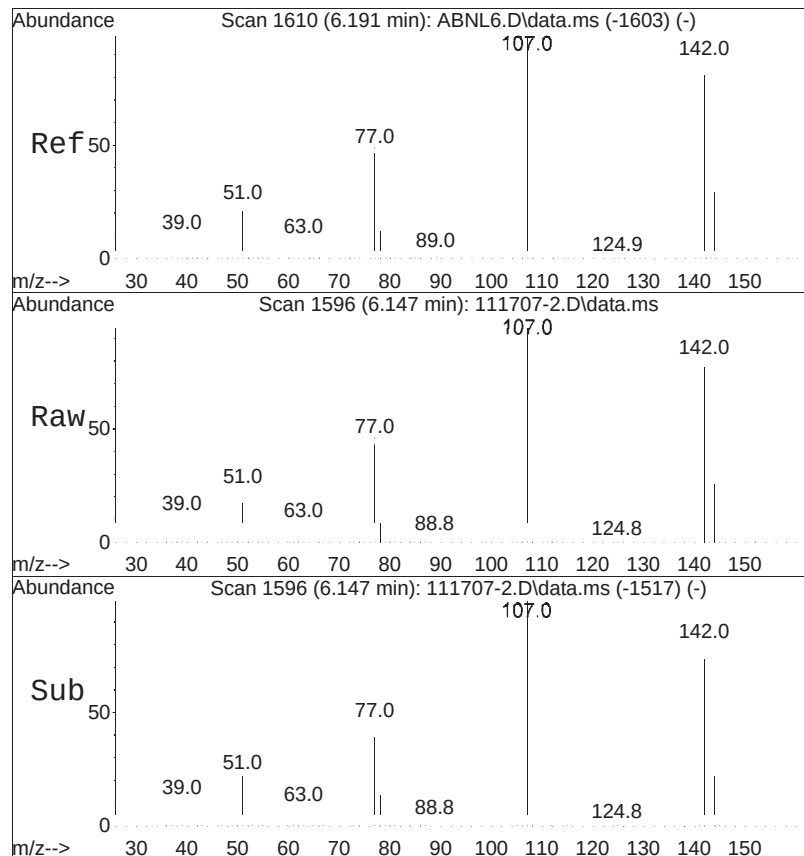




#38
 4-Chloroaniline
 Concen: 1.39 ug/ml M3
 RT: 5.628 min Scan# 1429
 Delta R.T. -0.003 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

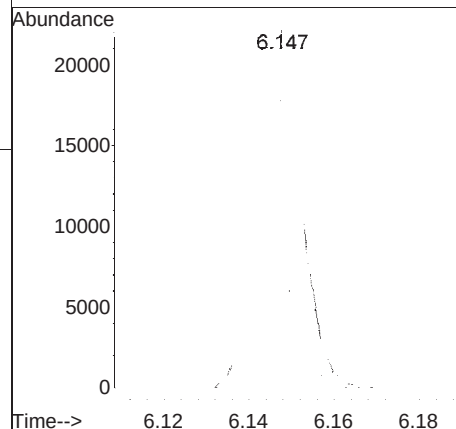
Tgt Ion:	65	Resp:	6264
Ion Ratio	Lower	Upper	
65	100		
127	411.0	237.6	356.4#
129	123.4	76.3	114.5#

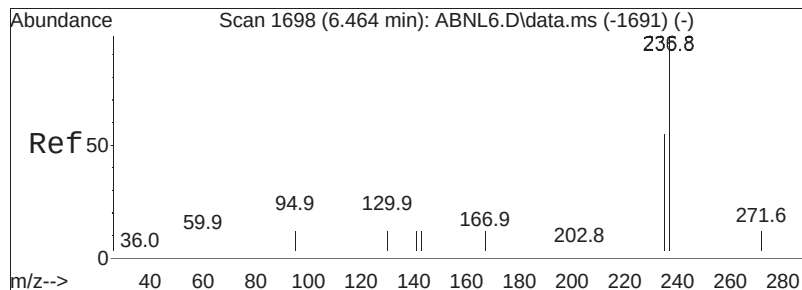




#40
 p-Chloro-m-cresol
 Concen: 1.45 ug/ml
 RT: 6.147 min Scan# 1596
 Delta R.T. -0.003 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

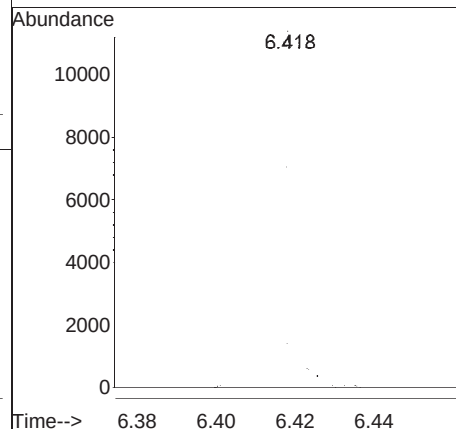
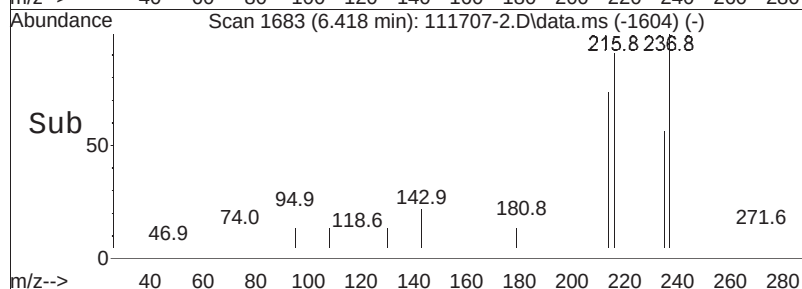
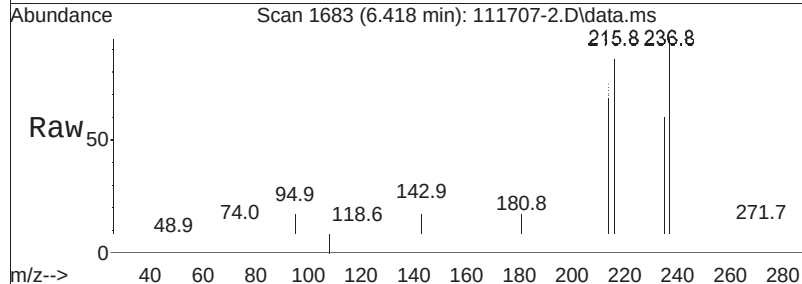
Tgt Ion:	107	Resp:	15845
Ion Ratio	Lower	Upper	
107	100		
144	28.9	20.9	31.3
142	84.7	66.1	99.1

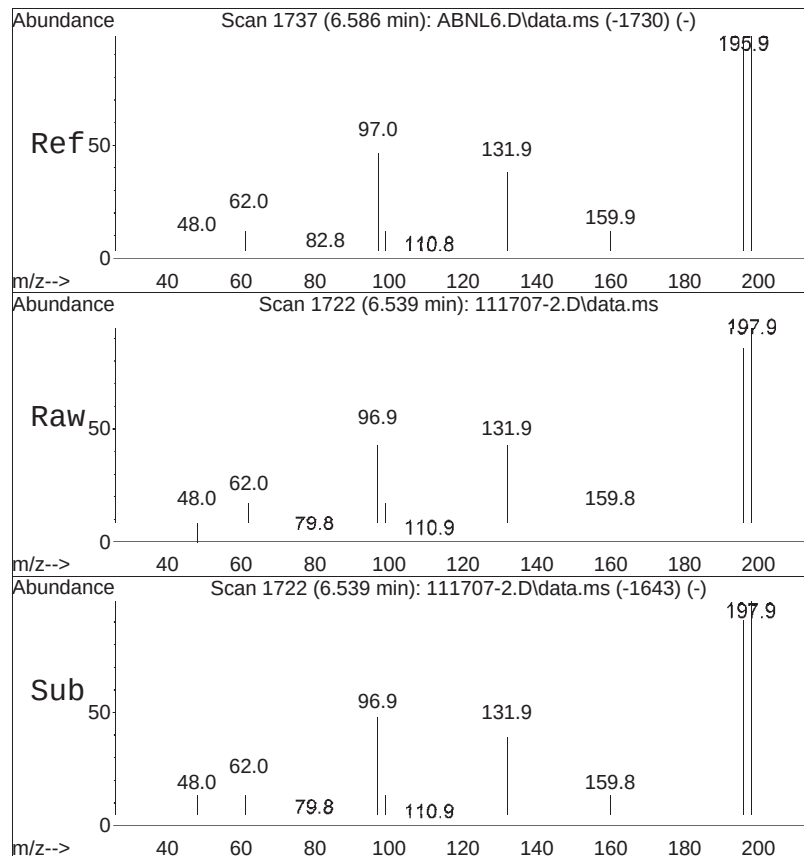




#43
 Hexachlorocyclopentadiene
 Concen: 0.86 ug/ml
 RT: 6.418 min Scan# 1683
 Delta R.T. -0.003 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

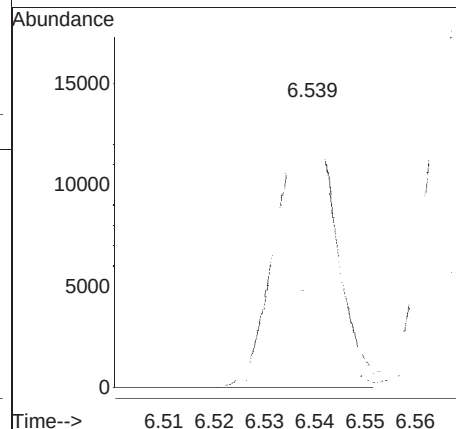
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	8348		
235	63.1		49.7	74.5
272	12.1		9.8	14.6

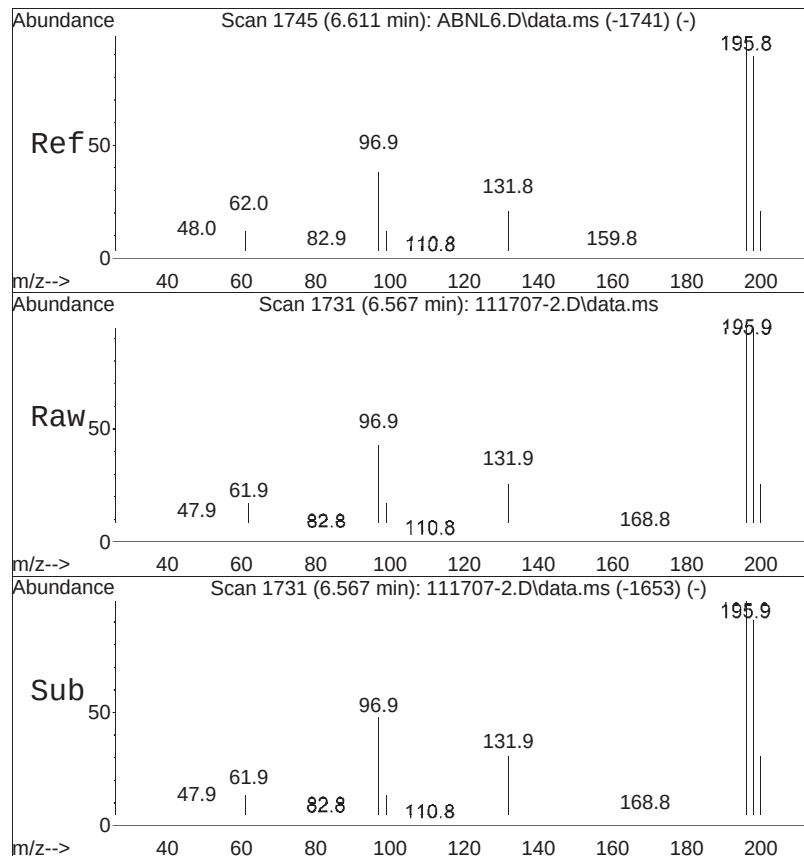




#44
 2,4,6-Trichlorophenol
 Concen: 1.36 ug/ml
 RT: 6.539 min Scan# 1722
 Delta R.T. -0.003 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

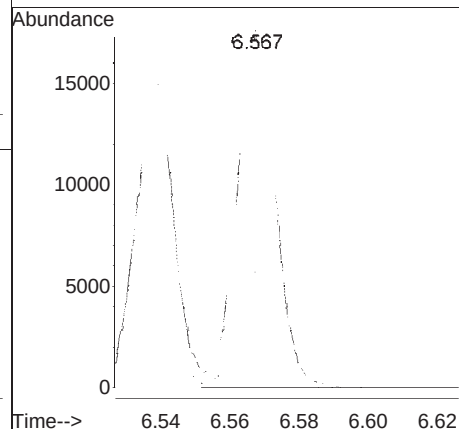
Tgt Ion:	196	Resp:	11121
Ion Ratio	Lower	Upper	
196	100		
198	103.7	77.5	116.3
200	34.6	23.8	35.6

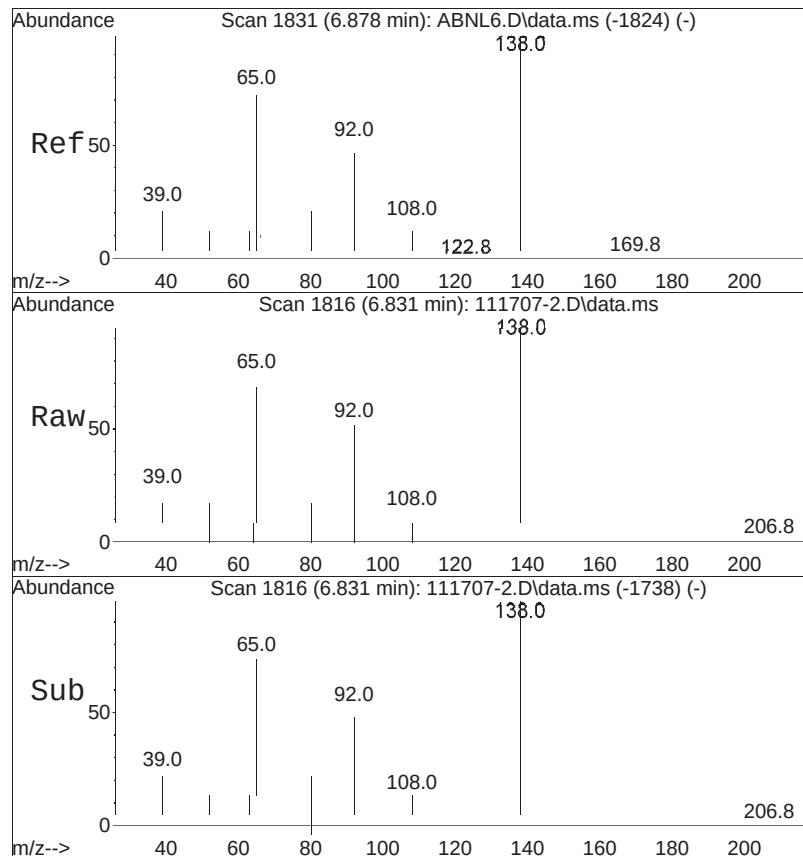




#45
 2,4,5-Trichlorophenol
 Concen: 1.47 ug/ml
 RT: 6.567 min Scan# 1731
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

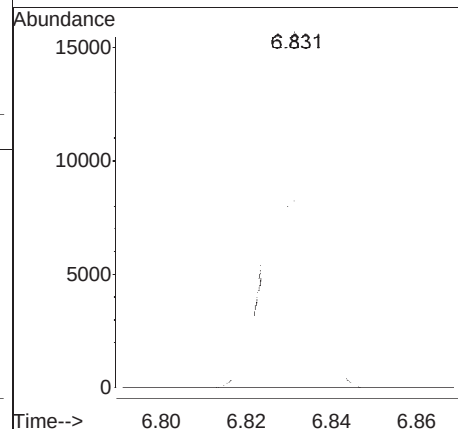
Tgt Ion	Ratio	Lower	Upper
196	100		
200	32.6	25.4	38.0
198	96.2	78.0	117.0

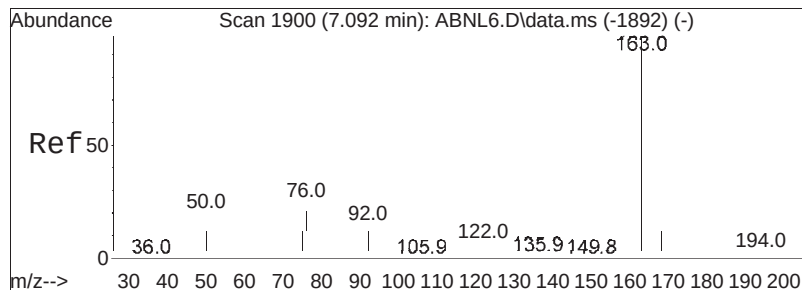




#48
 2-Nitroaniline
 Concen: 1.44 ug/ml
 RT: 6.831 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

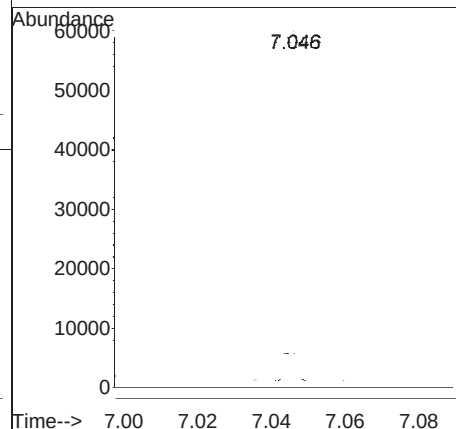
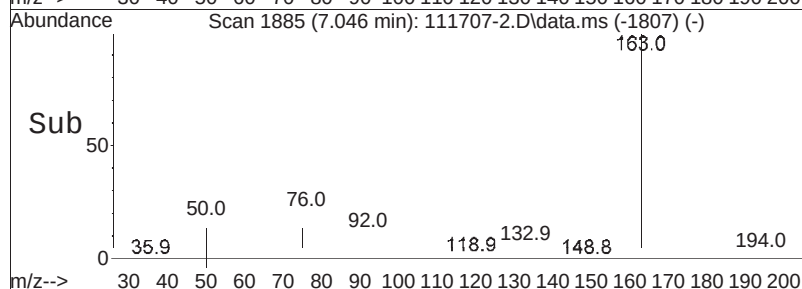
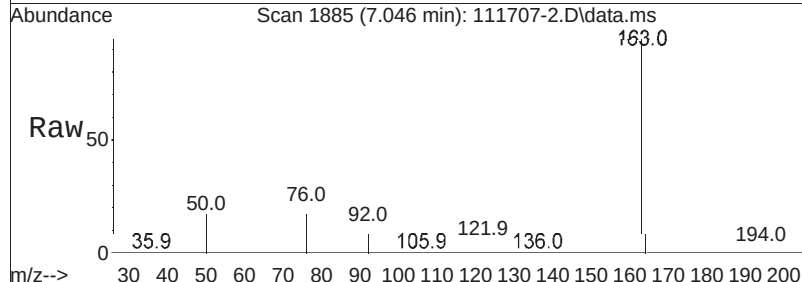
Tgt Ion:	138	Resp:	11396
Ion Ratio	Lower	Upper	
138	100		
92	57.3	53.5	80.3
65	81.3	86.3	129.5#

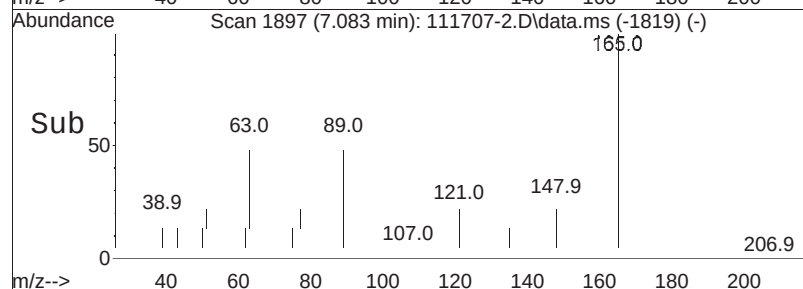
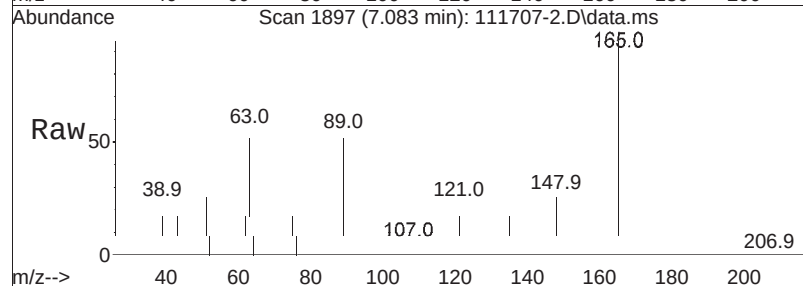
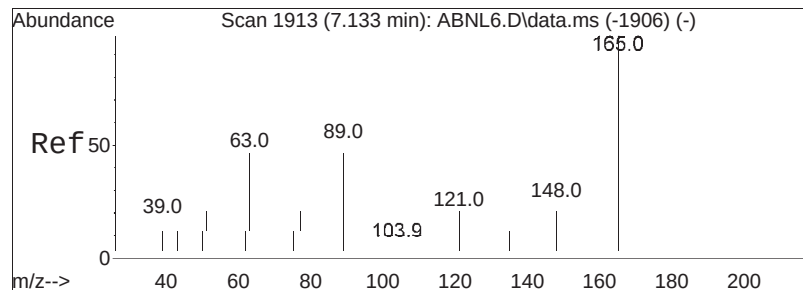




#51
 Dimethyl phthalate
 Concen: 1.41 ug/ml
 RT: 7.046 min Scan# 1885
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

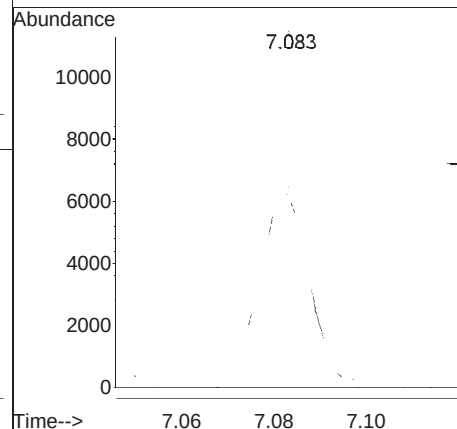
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	46288		
194	2.8		3.5	5.3#
164	10.3		7.9	11.9

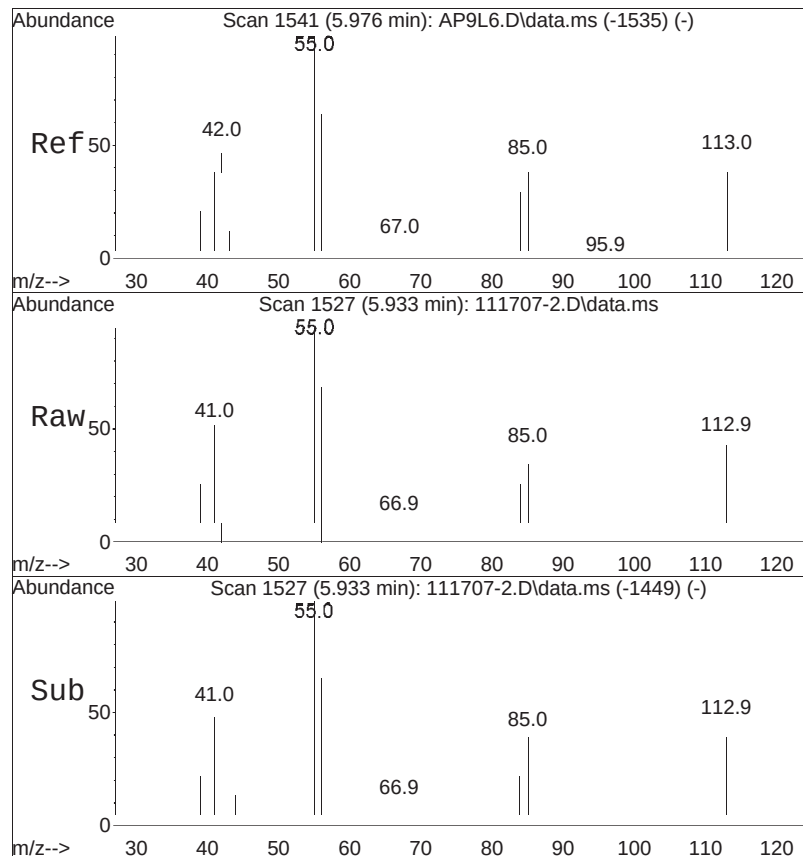




#53
 2,6-Dinitrotoluene
 Concen: 1.33 ug/ml
 RT: 7.083 min Scan# 1897
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

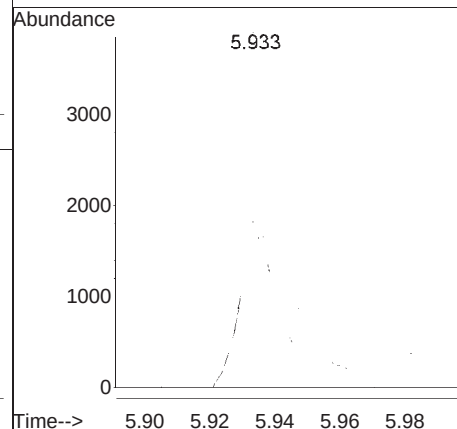
Tgt Ion	Ratio	Lower	Upper
165	100		
89	56.1	54.2	81.2
63	55.4	64.2	96.2#

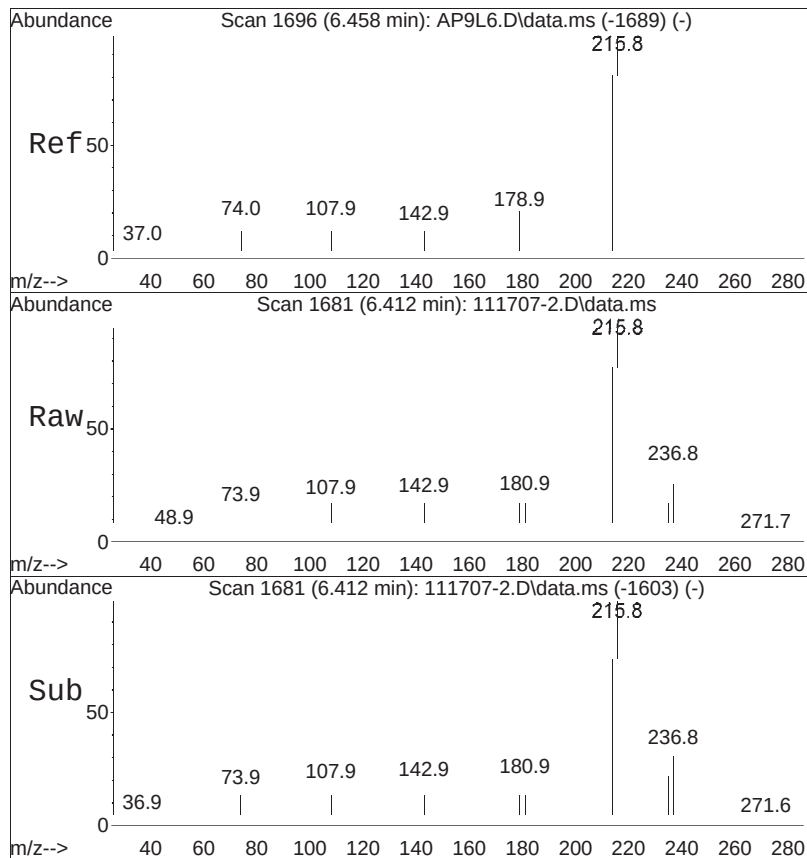




#60
 Caprolactam
 Concen: 0.65 ug/ml
 RT: 5.933 min Scan# 1527
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

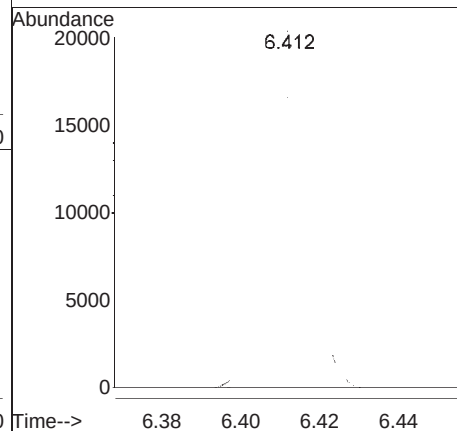
Tgt Ion:	55	Resp:	3521
Ion Ratio	Lower	Upper	
55	100		
85	48.5	19.8	29.6#
113	43.3	29.6	44.4

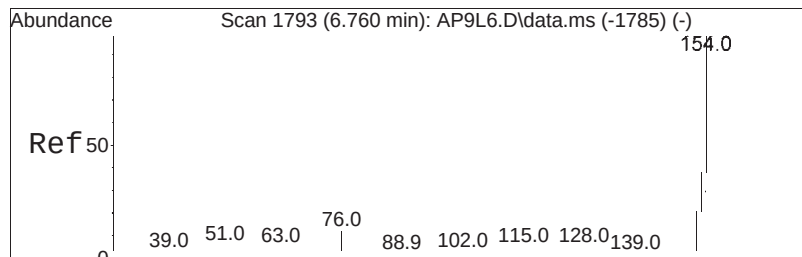




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.11 ug/ml
 RT: 6.412 min Scan# 1681
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

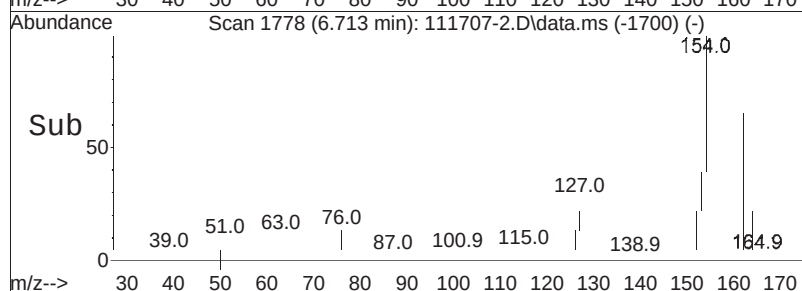
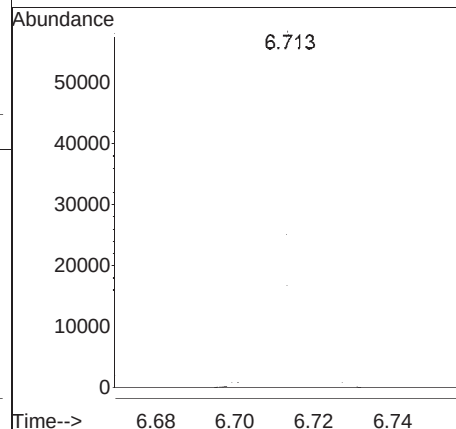
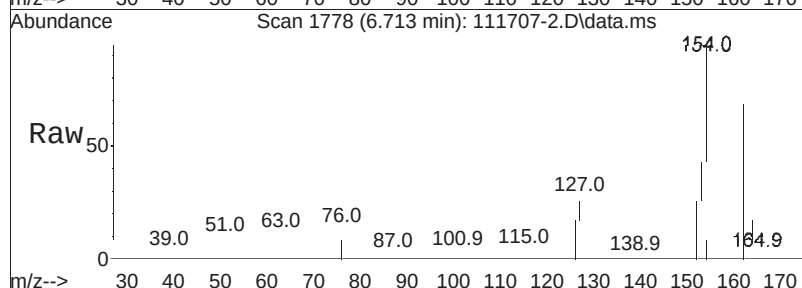
Tgt Ion:	216	Resp:	15928
Ion Ratio	Lower	Upper	
216	100		
214	82.0	63.7	95.5
179	20.3	19.0	28.6

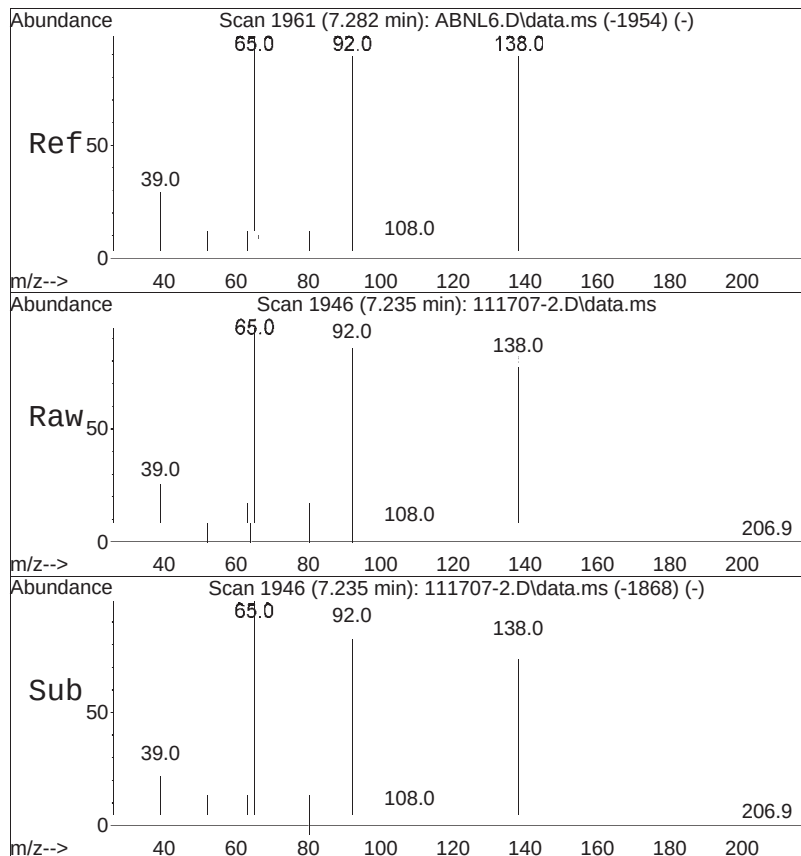




#62
 Biphenyl
 Concen: 1.24 ug/ml
 RT: 6.713 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

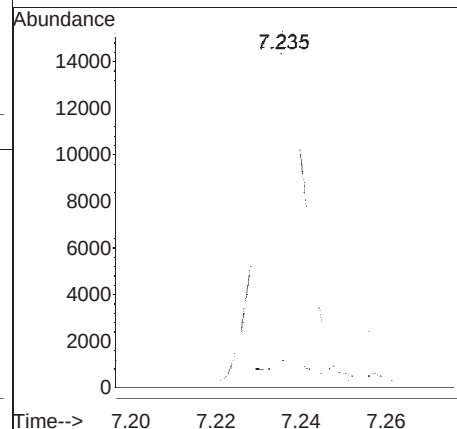
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.3	48.5
152	27.8	22.5	33.7

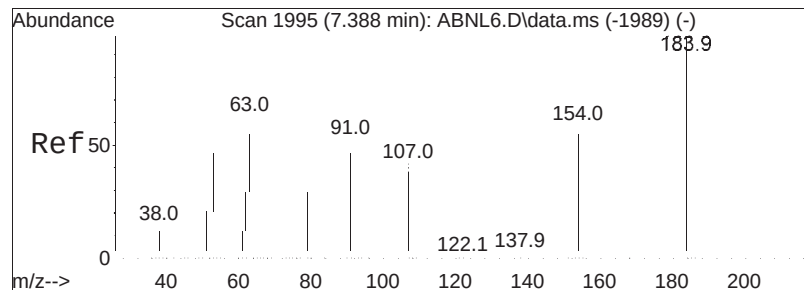




#64
 3-Nitroaniline
 Concen: 1.42 ug/ml
 RT: 7.235 min Scan# 1946
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

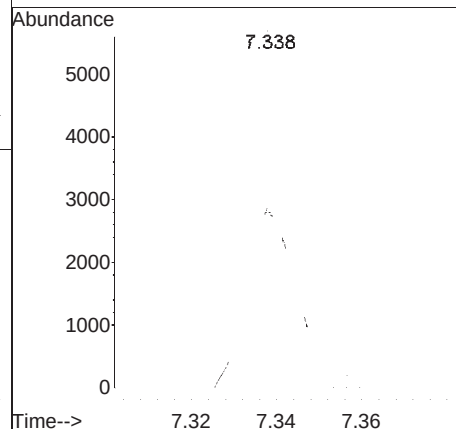
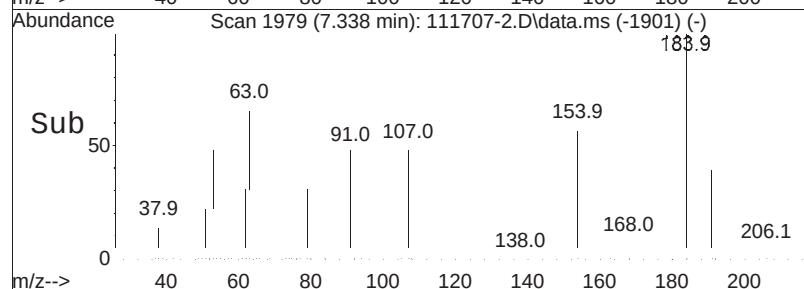
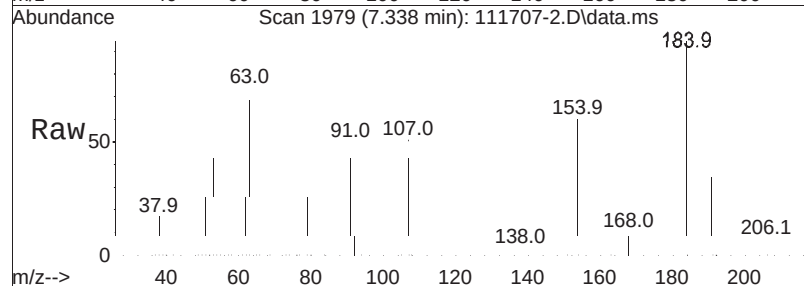
Tgt Ion	Ratio	Lower	Upper
138	100		
92	106.9	93.4	140.2
108	9.5	9.5	14.3#

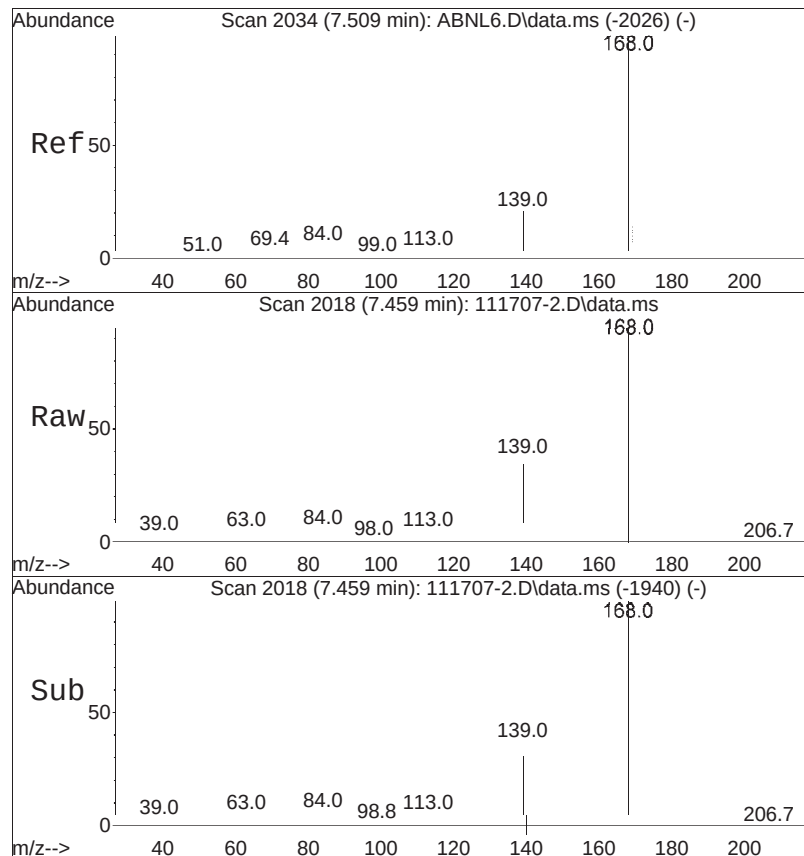




#66
 2,4-Dinitrophenol
 Concen: 1.22 ug/ml
 RT: 7.338 min Scan# 1979
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

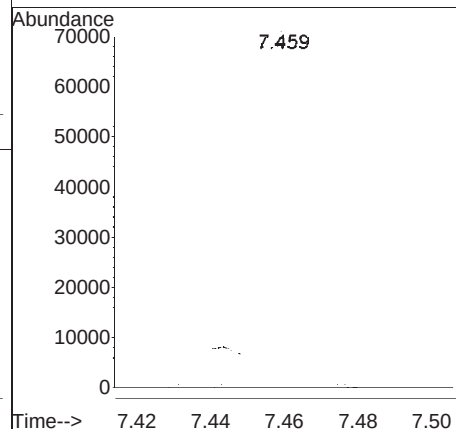
Tgt Ion:	184	Resp:	4520
Ion Ratio	Lower	Upper	
184	100		
107	46.7	37.7	56.5
91	51.2	46.3	69.5

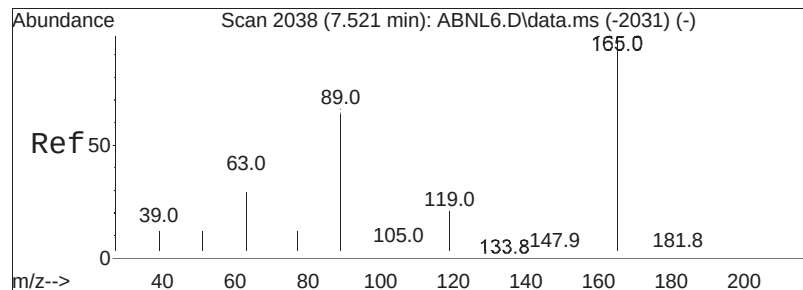




#67
 Dibenzofuran
 Concen: 1.34 ug/ml
 RT: 7.459 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

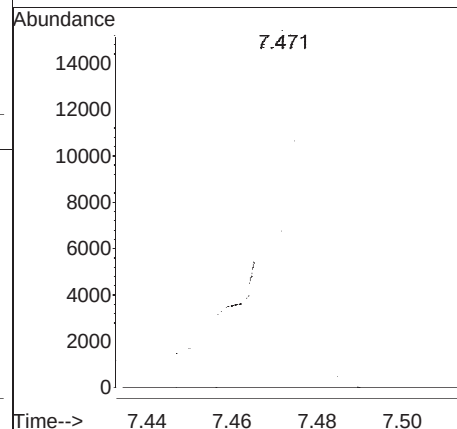
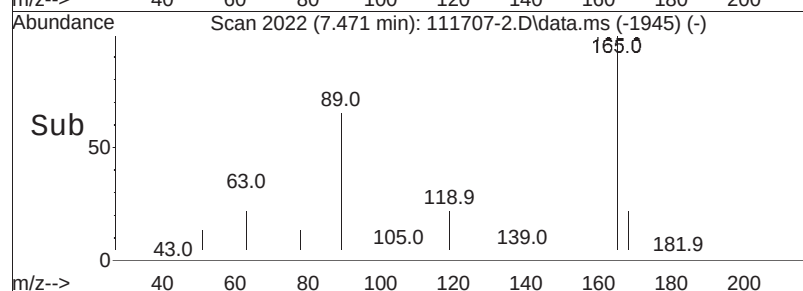
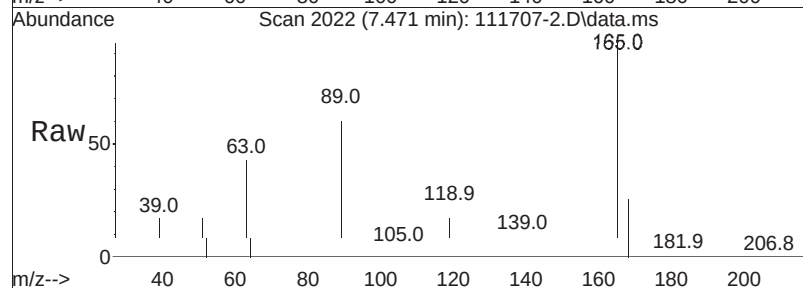
Tgt	Ion	Ratio	Lower	Upper
168	100			
139	46.7	31.4	47.2	

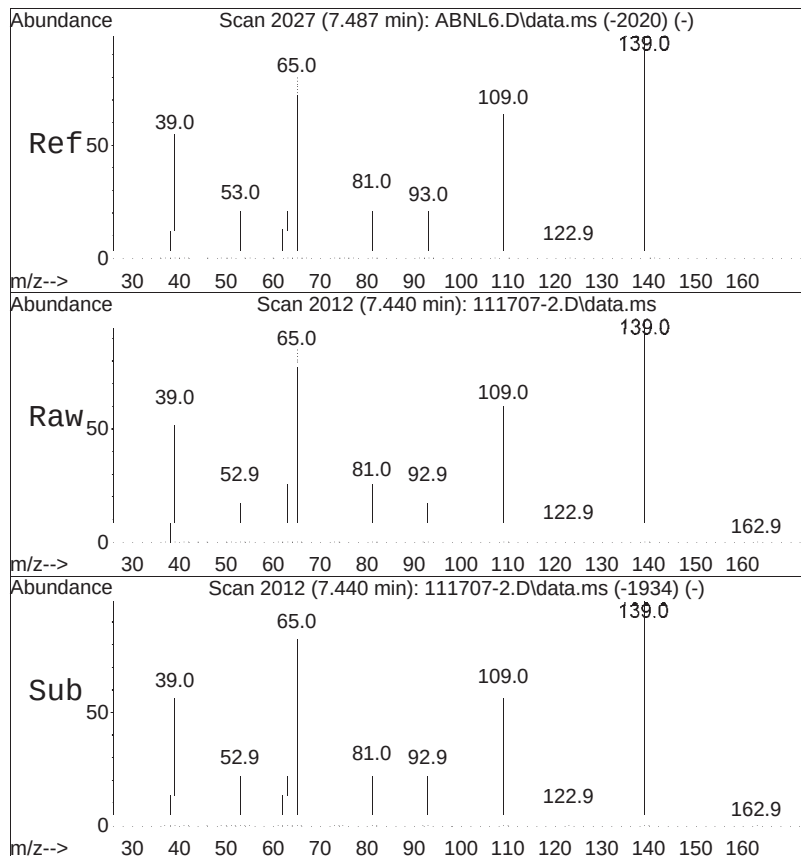




#68
 2,4-Dinitrotoluene
 Concen: 1.42 ug/ml
 RT: 7.471 min Scan# 2022
 Delta R.T. -0.009 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

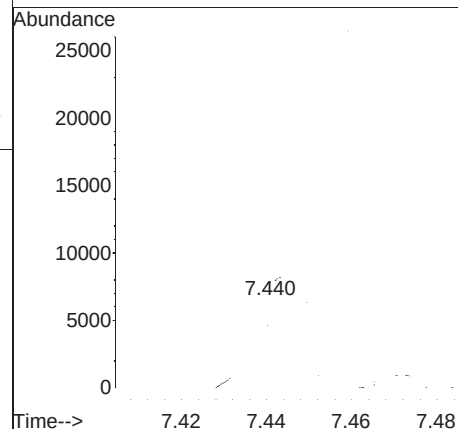
Tgt Ion	Ratio	Lower	Upper
165	100		
89	82.0	72.0	108.0
63	62.6	52.7	79.1

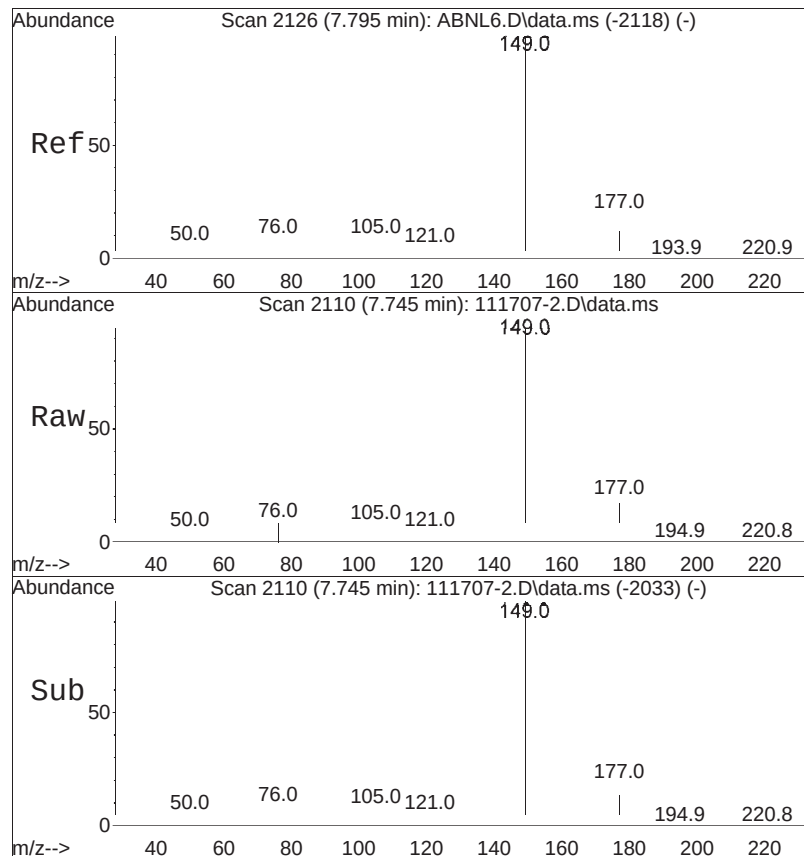




#69
4-Nitrophenol
Concen: 1.00 ug/ml
RT: 7.440 min Scan# 2012
Delta R.T. -0.006 min
Lab File: 111707-2.D
Acq: 8 Sep 2025 7:47 am

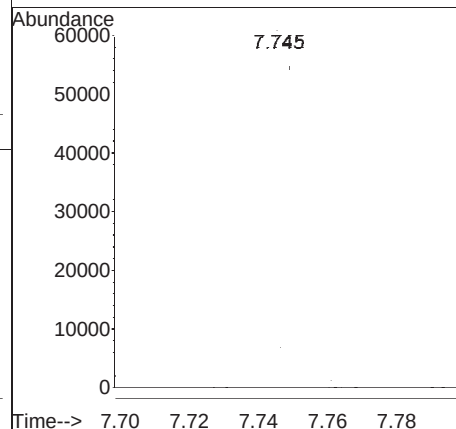
Tgt Ion:	65	Resp:	5315
Ion Ratio	Lower	Upper	
65	100		
109	72.7	47.4	71.2#
139	0.0	76.6	115.0#

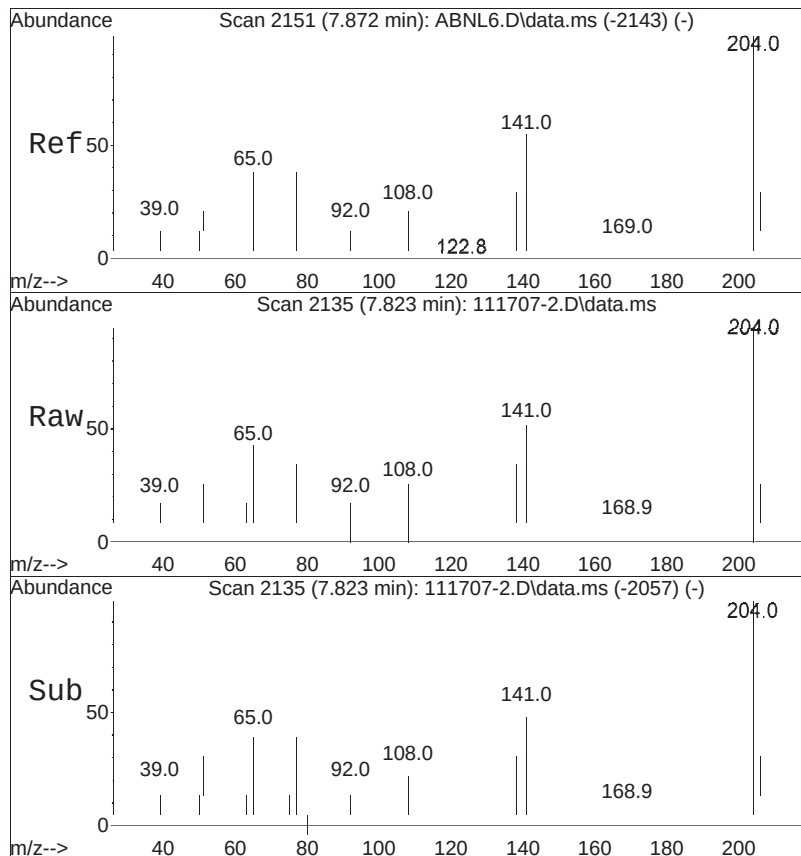




#72
 Diethyl phthalate
 Concen: 1.42 ug/ml
 RT: 7.745 min Scan# 2110
 Delta R.T. -0.009 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

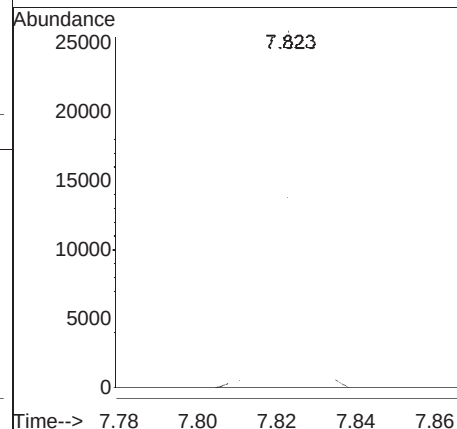
Tgt Ion:	149	Resp:	48060
Ion Ratio	Lower	Upper	
149	100		
177	19.8	16.1	24.1
150	11.8	9.4	14.2

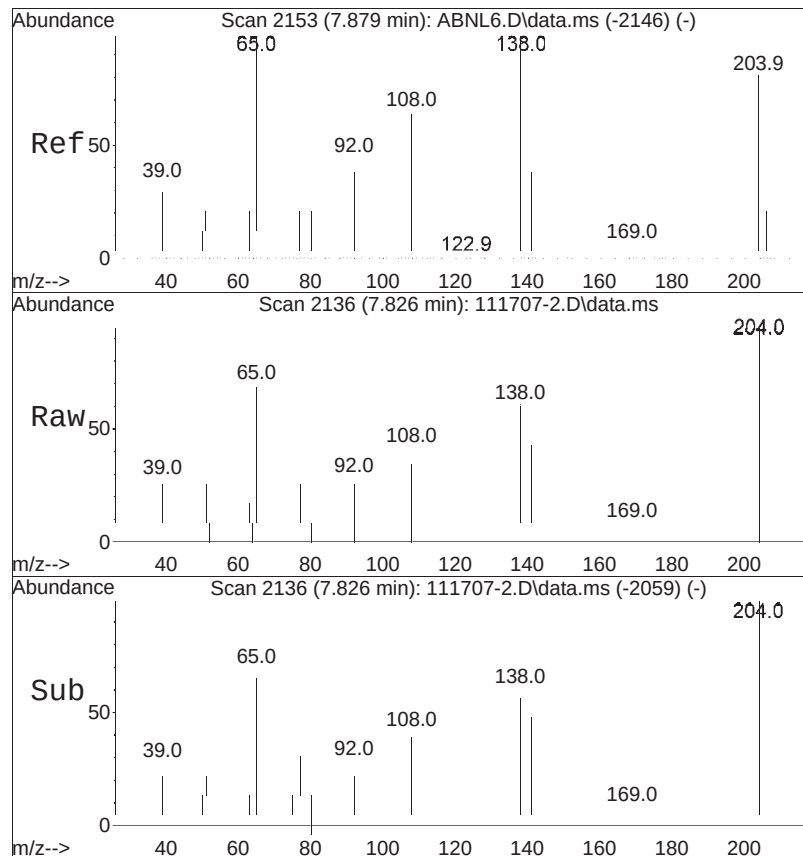




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.33 ug/ml
 RT: 7.823 min Scan# 2135
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

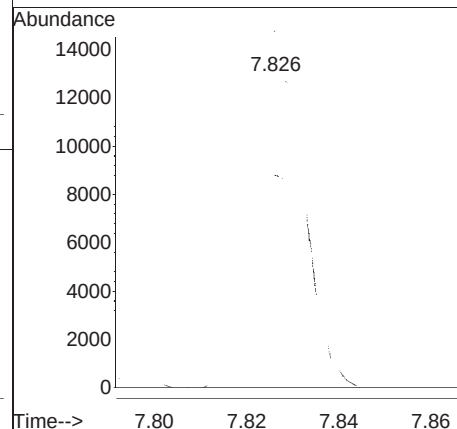
Tgt Ion:	204	Resp:	20481
Ion Ratio	Lower	Upper	
204	100		
206	33.5	25.8	38.6
141	55.2	53.6	80.4

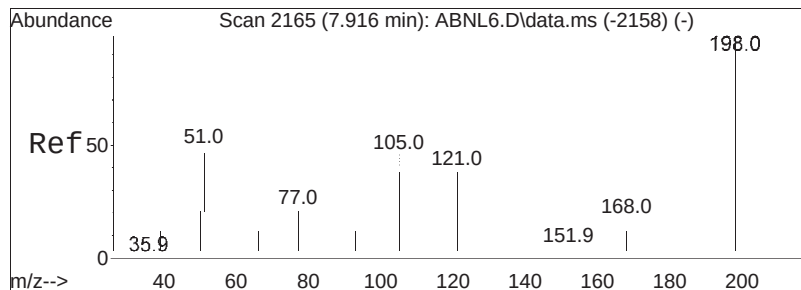




#75
 4-Nitroaniline
 Concen: 1.35 ug/ml
 RT: 7.826 min Scan# 2136
 Delta R.T. -0.009 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

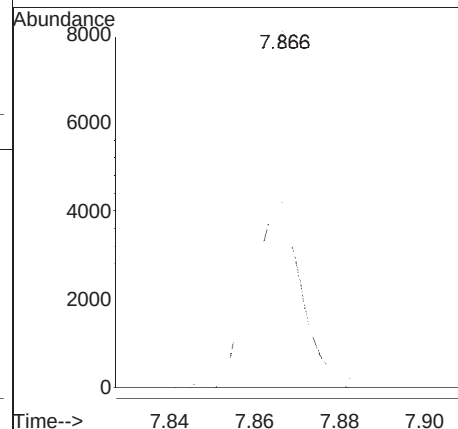
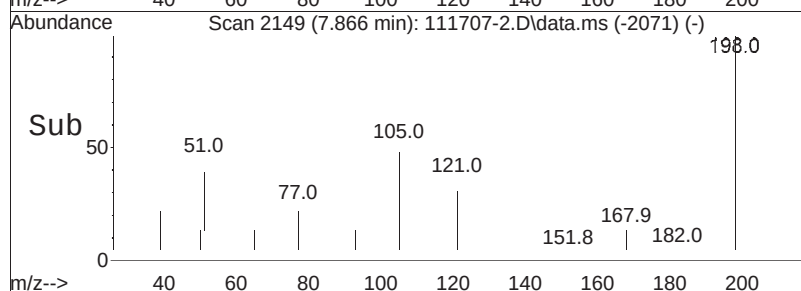
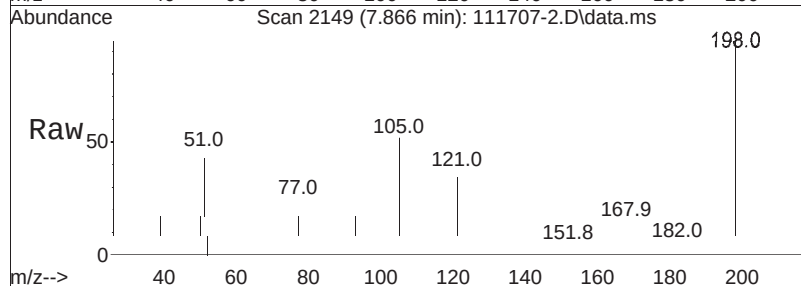
Tgt Ion	Ratio	Lower	Upper
138	100		
108	69.3	52.1	78.1
65	116.6	115.0	172.6

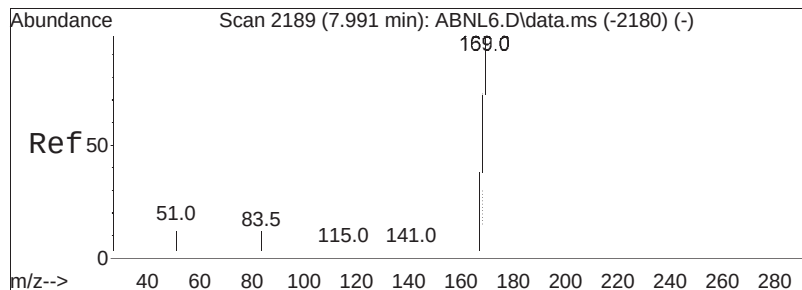




#76
 4,6-Dinitro-o-cresol
 Concen: 1.38 ug/ml
 RT: 7.866 min Scan# 2149
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

Tgt Ion	Ratio	Lower	Upper
198	100		
51	51.8	76.0	114.0#
105	49.3	45.6	68.4





#77

NDPA/DPA

Concen: 1.43 ug/ml

RT: 7.941 min Scan# 2173

Delta R.T. -0.006 min

Lab File: 111707-2.D

Acq: 8 Sep 2025 7:47 am

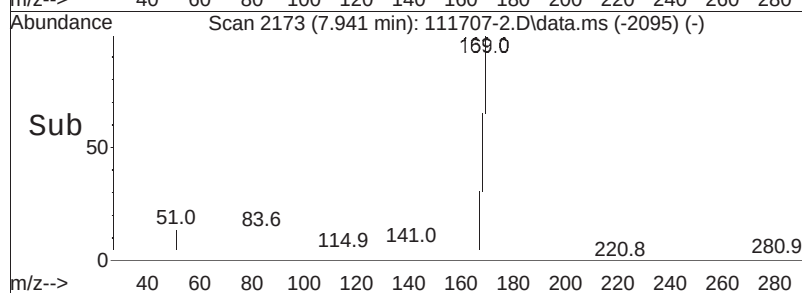
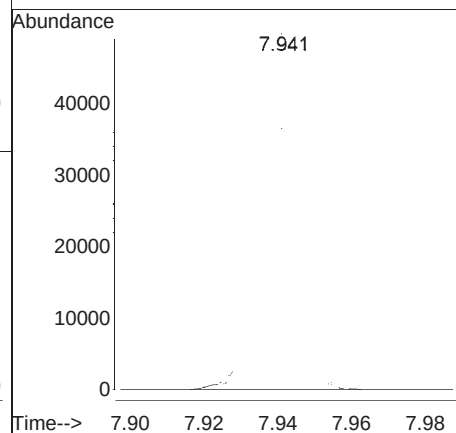
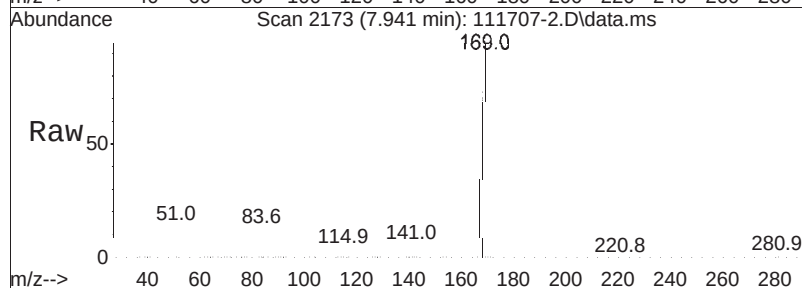
Tgt Ion:169 Resp: 38566

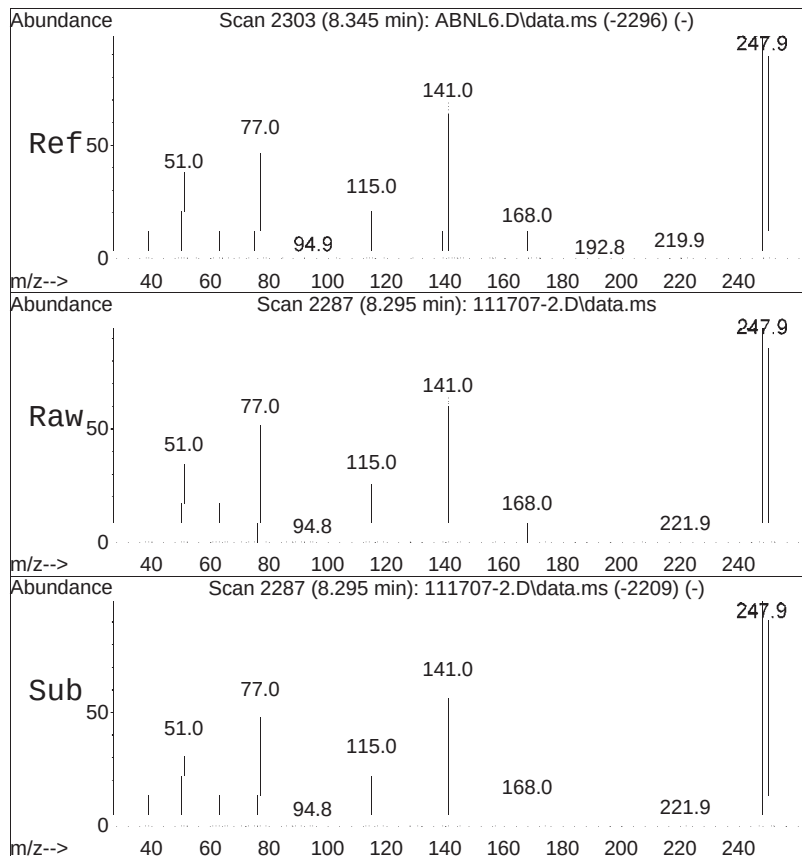
Ion Ratio Lower Upper

169 100

168 72.9 54.0 81.0

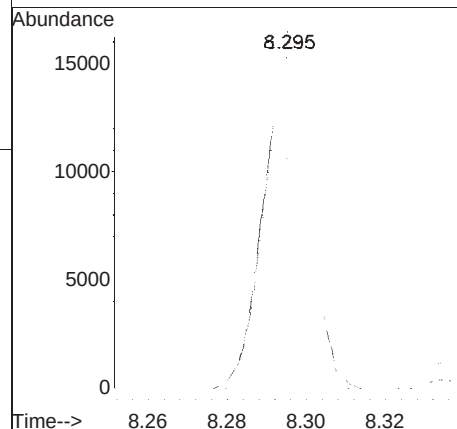
167 39.1 28.6 42.8

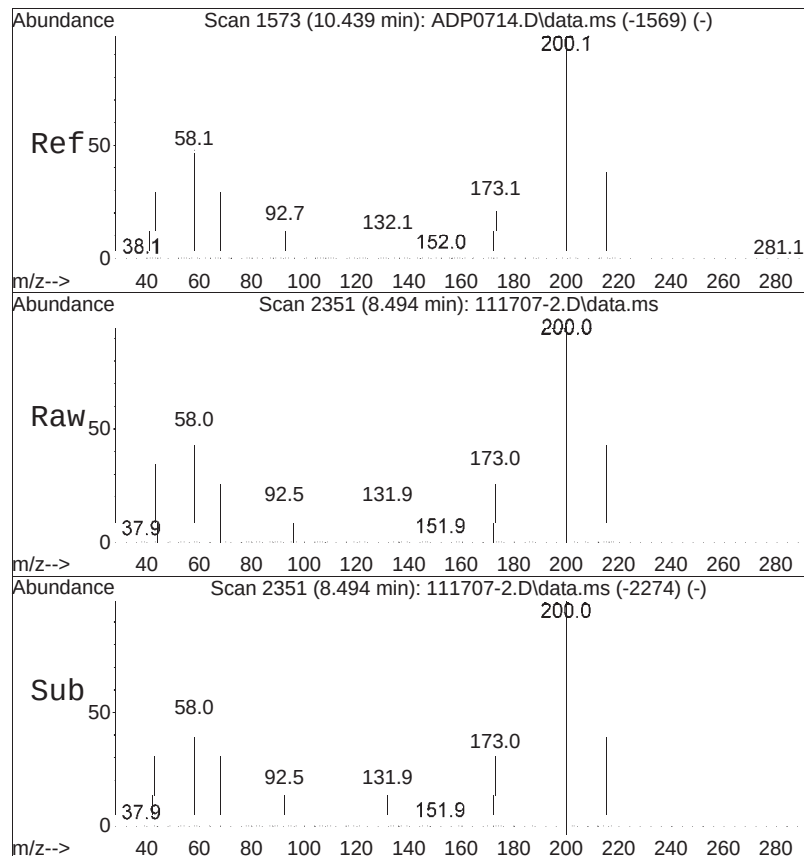




#80
 4-Bromophenyl phenyl ether
 Concen: 1.32 ug/ml
 RT: 8.295 min Scan# 2287
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

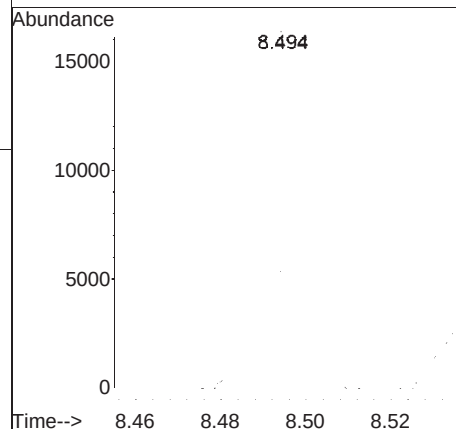
Tgt	Ion:248	Resp:	12532
Ion	Ratio	Lower	Upper
248	100		
141	71.8	76.6	114.8#
250	93.5	77.3	115.9

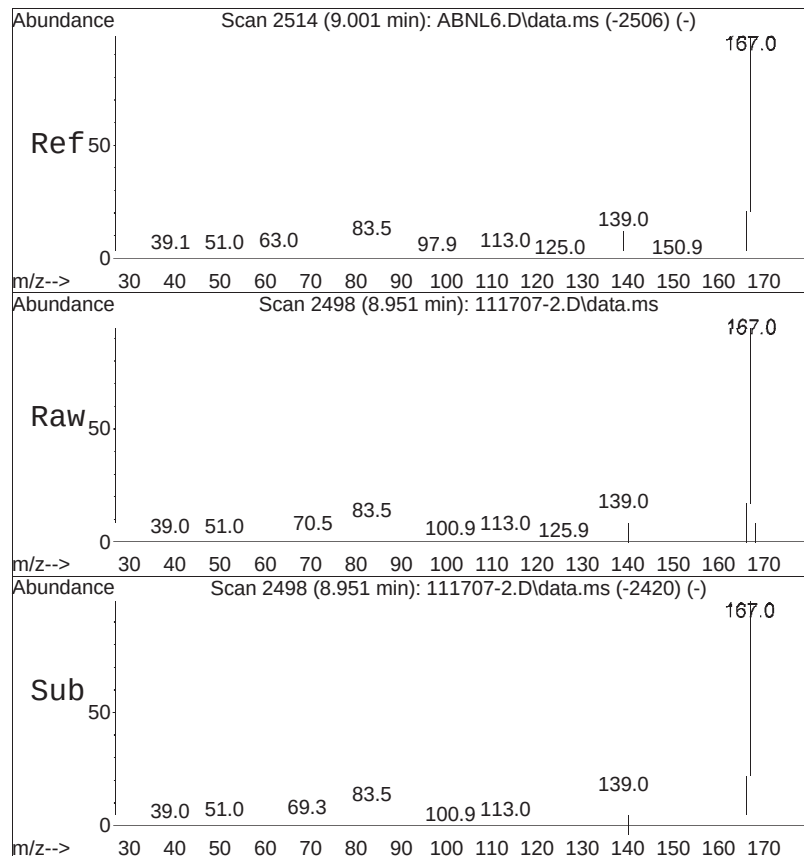




#87
 Atrazine
 Concen: 1.55 ug/ml
 RT: 8.494 min Scan# 2351
 Delta R.T. -0.009 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

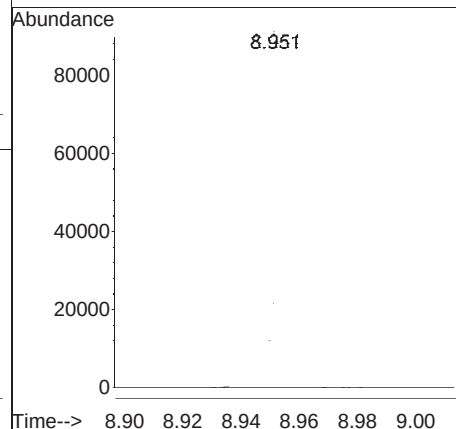
Tgt Ion:	200	Resp:	12879
Ion Ratio	Lower	Upper	
200	100		
202	33.2	25.8	38.6
215	43.5	40.2	60.4

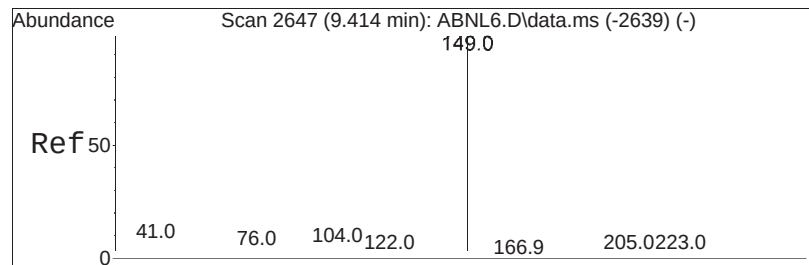




#91
 Carbazole
 Concen: 1.58 ug/ml
 RT: 8.951 min Scan# 2498
 Delta R.T. -0.006 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

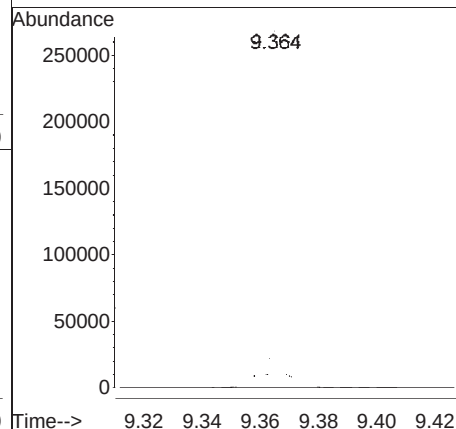
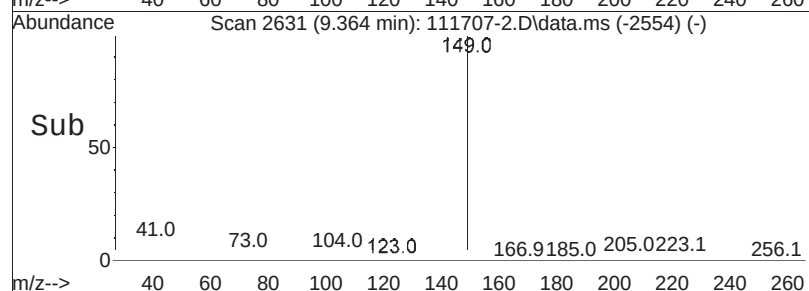
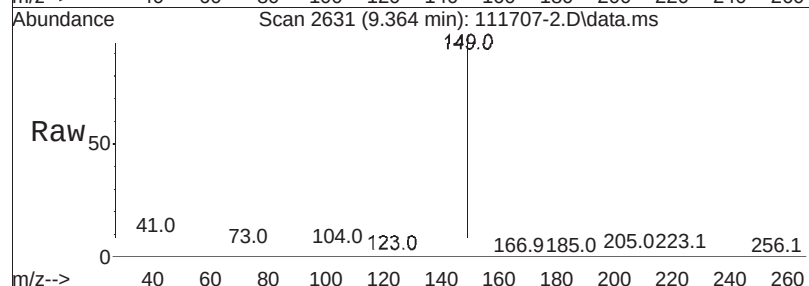
Tgt Ion:	167	Resp:	72483
Ion Ratio	Lower	Upper	
167	100		
168	13.7	10.6	15.8
166	22.4	17.4	26.0

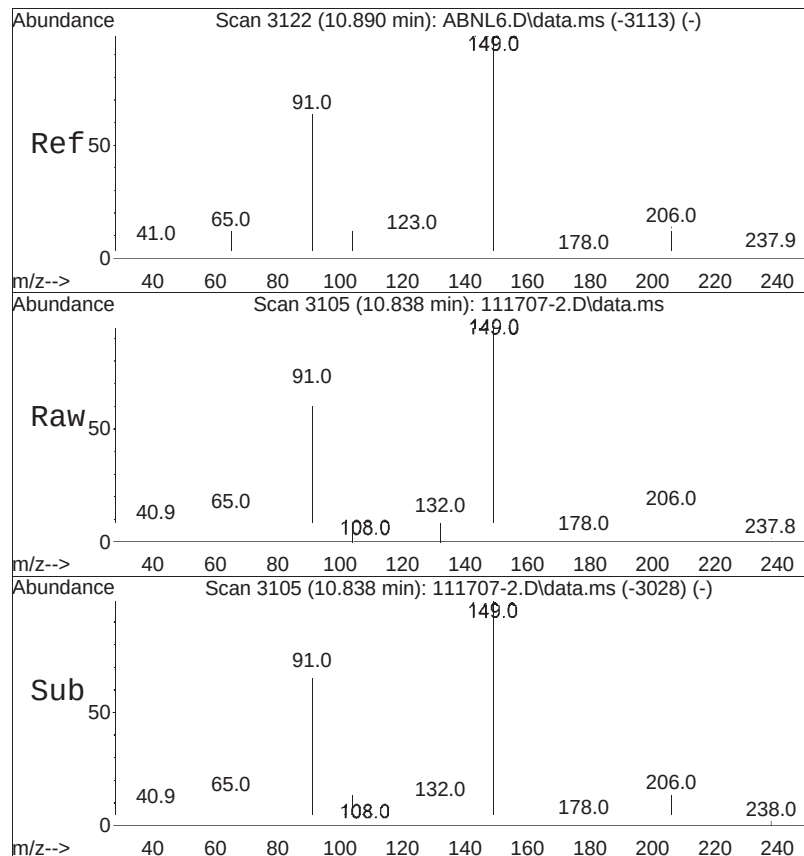




#92
 Di-n-butylphthalate
 Concen: 4.18 ug/ml
 RT: 9.364 min Scan# 2631
 Delta R.T. -0.009 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

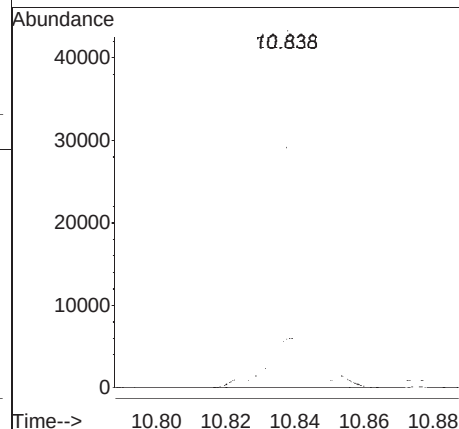
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	4.4	4.5	6.7#

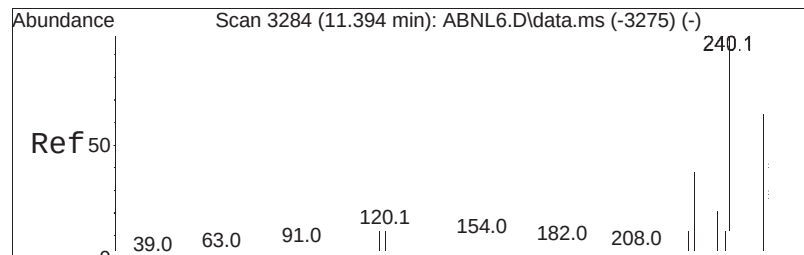




#97
 Butyl benzyl phthalate
 Concen: 1.69 ug/ml
 RT: 10.838 min Scan# 3105
 Delta R.T. -0.009 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

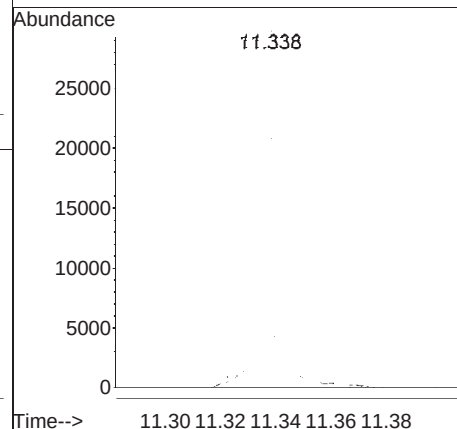
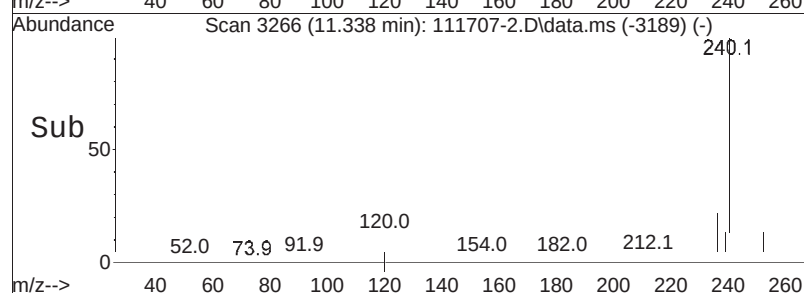
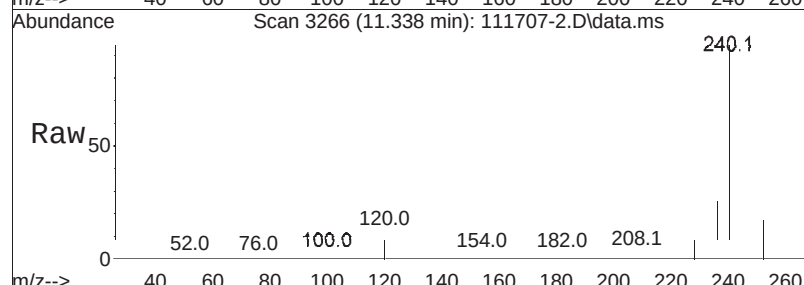
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	37837		
91	68.3		63.3	94.9
206	14.6		13.9	20.9

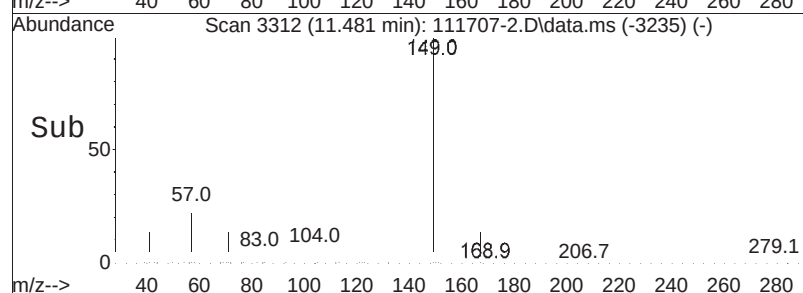
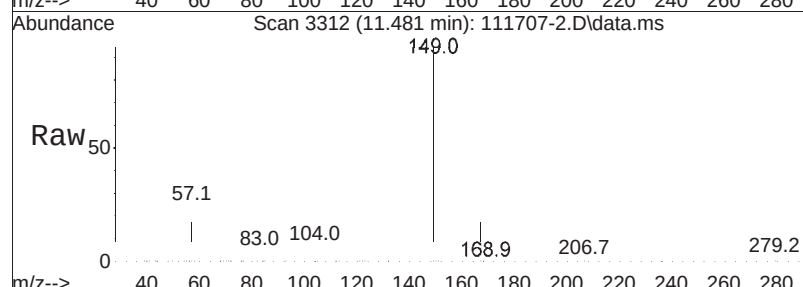
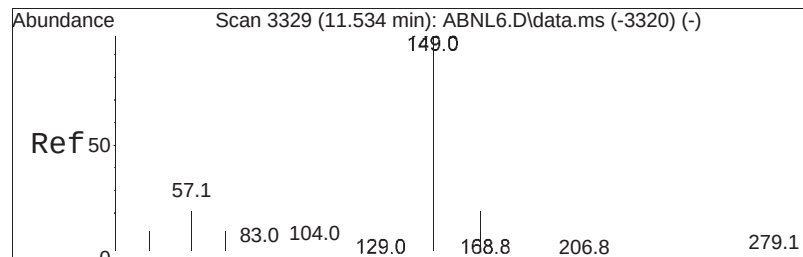




#106
 3,3'-Dichlorobenzidine
 Concen: 1.40 ug/ml
 RT: 11.338 min Scan# 3266
 Delta R.T. -0.009 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

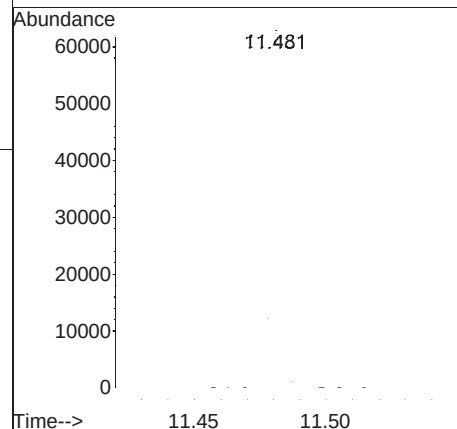
Tgt Ion	Ratio	Lower	Upper
252	100		
126	18.0	14.5	21.7
254	64.6	51.2	76.8

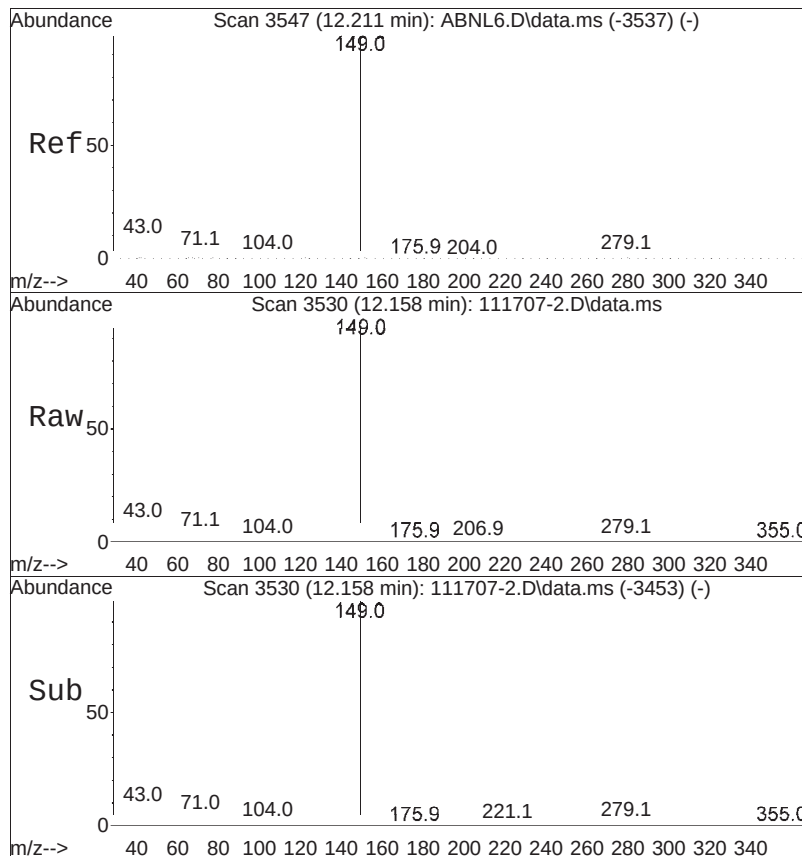




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.76 ug/ml
 RT: 11.481 min Scan# 3312
 Delta R.T. -0.009 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

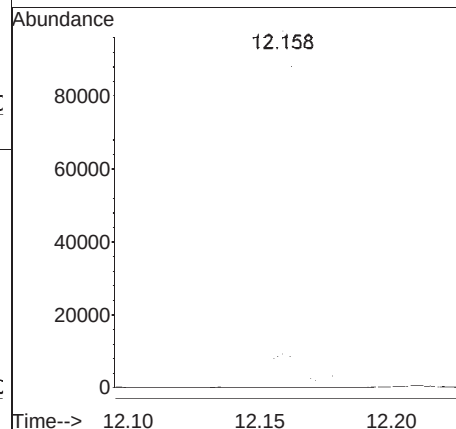
Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	22.2	22.1	33.1
279	1.9	3.0	4.4#





#109
 Di-n-octylphthalate
 Concen: 1.68 ug/ml
 RT: 12.158 min Scan# 3530
 Delta R.T. -0.009 min
 Lab File: 111707-2.D
 Acq: 8 Sep 2025 7:47 am

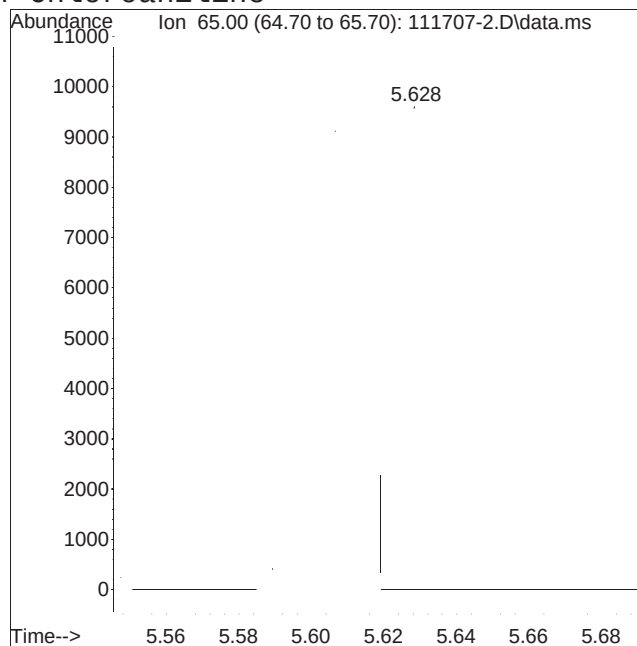
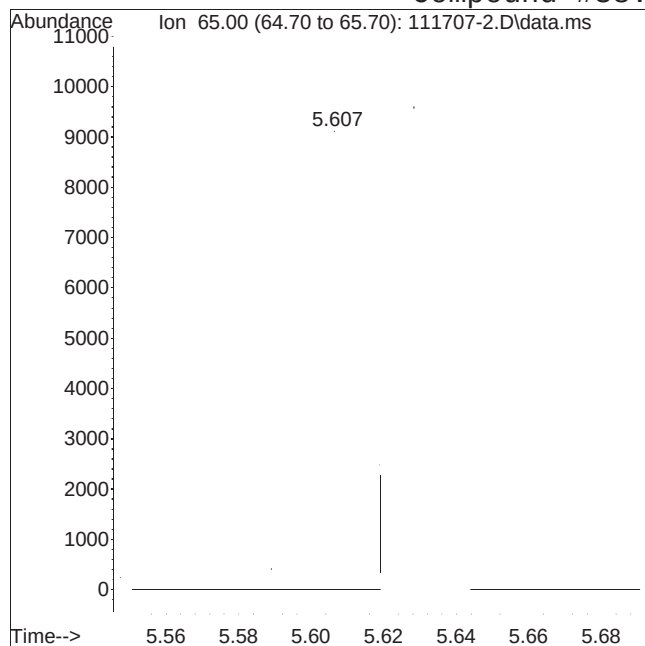
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	99952		
43	9.5	18.8	28.2#	
167	1.4	1.3	1.9	



Manual Integration Report

Data Path : I:\8270\SV106\250908RVT\ QMethod : FS250827SV106.m
Data File : 111707-2.D Operator : SV106:jg
Date Inj'd : 9/8/2025 7:47 am Instrument : SV 106
Sample : WG2111707-2,32,,cmm Quant Date : 9/8/2025 8:09 am

Compound #38: 4-Chloroaniline



Original Peak Response = 7820

Manual Peak Response = 6264 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-2.D
 Acq On : 12 Sep 2025 03:40 am
 Operator : SV112:smz
 Sample : WG2113697-2,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 10:40:50 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.675	152	19871	4.000	ug/ml	0.00
Standard Area 1 = 16261			Recovery =	122.20%		
27) IS2_1,4-Dichlorobenzen...	4.675	152	19871	4.000	ug/ml	0.00
Standard Area 3 = 18558			Recovery =	107.08%		
32) IS3_1,4-Dichlorobenzen...	4.675	152	19871	4.000	ug/ml	0.00
Standard Area 2 = 16242			Recovery =	122.34%		
35) IS1_Naphthalene-d8	5.904	136	74168	4.000	ug/ml	0.00
Standard Area 1 = 64475			Recovery =	115.03%		
55) IS2_Naphthalene-d8	5.904	136	74168	4.000	ug/ml	0.00
Standard Area 3 = 69905			Recovery =	106.10%		
63) IS1_Acenaphthene-d10	7.604	164	48284	4.000	ug/ml	0.00
Standard Area 1 = 44834			Recovery =	107.70%		
83) IS2_Acenaphthene-d10	7.604	164	48284	4.000	ug/ml	0.00
Standard Area 3 = 47596			Recovery =	101.45%		
86) IS3_Acenaphthene-d10	7.604	164	48284	4.000	ug/ml	0.00
Standard Area 2 = 38626			Recovery =	125.00%		
88) IS1_Phenanthrene-d10	9.028	188	111305	4.000	ug/ml	# 0.00
Standard Area 1 = 98025			Recovery =	113.55%		
100) IS3_Phenanthrene-d10	9.028	188	111305	4.000	ug/ml	# 0.00
Standard Area 2 = 90459			Recovery =	123.04%		
104) IS1_Chrysene-d12	11.645	240	123406	4.000	ug/ml	# 0.00
Standard Area 1 = 110763			Recovery =	111.41%		
113) IS1_Perylene-d12	13.104	264	139363	4.000	ug/ml	0.00
Standard Area 1 = 123361			Recovery =	112.97%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.410	112	6123	1.116	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	55.80%		
7) Phenol-d6	4.357	99	6151	0.867	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.35%		
19) Nitrobenzene-d5	5.210	82	4702	0.699	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	69.90%		
46) 2-Fluorobiphenyl	6.975	172	13097	0.762	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	76.20%		
79) 2,4,6-Tribromophenol	8.363	330	5210	1.697	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	84.85%		
96) 4-Terphenyl-d14	10.604	244	22914	0.771	ug/ml	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-2.D
 Acq On : 12 Sep 2025 03:40 am
 Operator : SV112:smz
 Sample : WG2113697-2,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 10:40:50 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
Spiked Amount	1.000	Range	30 - 130	Recovery	=	77.10%
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.011	74	3550	0.902	ug/ml#	84
3) Pyridine	2.099	79	1306M1	0.195	ug/ml	
5) Aniline	4.357	93	4228	0.450	ug/ml#	1
6) 2-Chlorophenol	4.469	128	9587	1.499	ug/ml	98
8) Phenol	4.369	94	7519	0.957	ug/ml#	70
9) Bis(2-chloroethyl)ether	4.440	93	8949	1.366	ug/ml	95
10) 1,3-Dichlorobenzene	4.616	146	9776	1.251	ug/ml	97
11) 1,4-Dichlorobenzene	4.693	146	9810	1.226	ug/ml	98
12) 1,2-Dichlorobenzene	4.840	146	9964	1.288	ug/ml	95
13) Benzyl alcohol	4.828	79	6685	1.200	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.975	45	12991	1.217	ug/ml#	70
15) 2-Methylphenol	4.957	108	8264	1.440	ug/ml	99
16) Hexachloroethane	5.163	117	3385	1.143	ug/ml#	58
17) n-Nitrosodi-n-propylamine	5.093	70	6635	1.294	ug/ml	97
18) 3-Methylphenol/4-Methy...	5.110	108	8767	1.389	ug/ml	96
20) Nitrobenzene	5.228	77	9684	1.387	ug/ml	99
21) Isophorone	5.475	82	18891	1.335	ug/ml	99
22) 2-Nitrophenol	5.546	139	5197	1.616	ug/ml	96
23) 2,4-Dimethylphenol	5.622	107	10396	1.386	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.704	93	12886	1.435	ug/ml	97
25) 2,4-Dichlorophenol	5.787	162	10123	1.527	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.863	180	9429	1.234	ug/ml	95
28) Benzaldehyde	4.240	105	7786	2.626	ug/ml	99
29) Acetophenone	5.075	105	14866	1.511	ug/ml	94
33) 1,4-Dioxane	1.758	88	2257	0.832	ug/ml#	62
36) Naphthalene	5.928	128	28838	1.463	ug/ml	98
37) Benzoic Acid	5.681	105	3757	2.074	ug/ml	95
38) 4-Chloroaniline	5.993	65	2488M3	0.932	ug/ml	
39) Hexachlorobutadiene	6.075	225	5358	1.142	ug/ml	99
40) p-Chloro-m-cresol	6.493	107	10212	1.675	ug/ml	93
41) 2-Methylnaphthalene	6.604	142	18558	1.486	ug/ml	96
42) 1-Methylnaphthalene	6.693	115	6752	1.352	ug/ml	90
43) Hexachlorocyclopentadiene	6.775	237	5663	1.308	ug/ml	97
44) 2,4,6-Trichlorophenol	6.887	196	8714	1.608	ug/ml	98
45) 2,4,5-Trichlorophenol	6.916	196	9816M3	1.757	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-2.D
 Acq On : 12 Sep 2025 03:40 am
 Operator : SV112:smz
 Sample : WG2113697-2,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 10:40:50 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47)	2-Chloronaphthalene	7.069	162	22387	1.536	ug/ml	96
48)	2-Nitroaniline	7.175	138	7440	1.770	ug/ml	96
51)	Dimethyl phthalate	7.375	163	31766	1.719	ug/ml	100
52)	Acenaphthylene	7.463	152	38503	1.620	ug/ml	99
53)	2,6-Dinitrotoluene	7.416	165	6092	1.674	ug/ml	93
56)	a-Terpineol	5.963	59	9498	1.719	ug/ml	92
60)	Caprolactam	6.299	55	2064	0.628	ug/ml	94
61)	1,2,4,5-Tetrachloroben...	6.769	216	11863	1.443	ug/ml	97
62)	Biphenyl	7.063	154	28996	1.599	ug/ml	99
64)	3-Nitroaniline	7.569	138	5889	1.549	ug/ml	89
65)	Acenaphthene	7.634	154	21280	1.599	ug/ml	96
66)	2,4-Dinitrophenol	7.675	184	3673	2.190	ug/ml#	86
67)	Dibenzofuran	7.804	168	37053	1.674	ug/ml	90
68)	2,4-Dinitrotoluene	7.804	165	8756	1.772	ug/ml	89
69)	4-Nitrophenol	7.757	65	3895	1.280	ug/ml	96
71)	2,3,4,6-Tetrachlorophenol	7.934	232	9030	1.750	ug/ml	98
72)	Diethyl phthalate	8.063	149	32050	1.697	ug/ml	96
73)	Fluorene	8.134	166	30118	1.675	ug/ml	97
74)	4-Chlorophenyl phenyl ...	8.151	204	15570	1.647	ug/ml#	81
75)	4-Nitroaniline	8.157	138	6795	1.743	ug/ml	97
76)	4,6-Dinitro-o-cresol	8.193	198	5293	1.998	ug/ml#	81
77)	NDPA/DPA	8.263	169	25987	1.728	ug/ml	95
78)	Azobenzene	8.298	77	26167	1.581	ug/ml#	94
80)	4-Bromophenyl phenyl e...	8.616	248	10522	1.702	ug/ml#	81
81)	Hexachlorobenzene	8.669	284	12256	1.673	ug/ml#	85
82)	Pentachlorophenol	8.863	266	8206	2.252	ug/ml	94
85)	Pentachloronitrobenzene	8.875	237	4818	1.950	ug/ml#	78
87)	Atrazine	8.798	200	10459	1.872	ug/ml	99
89)	Phenanthrene	9.051	178	50969	1.666	ug/ml	99
90)	Anthracene	9.098	178	50941	1.678	ug/ml	99
91)	Carbazole	9.263	167	49201	1.780	ug/ml	99
92)	Di-n-butylphthalate	9.657	149	110797	3.422	ug/ml	99
93)	Fluoranthene	10.410	202	65743	1.777	ug/ml	97
94)	Benzidine	0.000		0	N.D.		
95)	Pyrene	10.410	202	65743	1.728	ug/ml	99
97)	Butyl benzyl phthalate	11.122	149	24522	1.666	ug/ml	93
102)	Parathion	9.810	109	5304	1.792	ug/ml#	84
105)	Benzo(a)anthracene	11.639	228	67686	1.677	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-2.D
 Acq On : 12 Sep 2025 03:40 am
 Operator : SV112:smz
 Sample : WG2113697-2,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 10:40:50 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106)	3,3'-Dichlorobenzidine	11.639	252	20214	1.384	ug/ml	98
107)	Chrysene	11.675	228	65157	1.737	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.757	149	39214	1.641	ug/ml#	99
109)	Di-n-octylphthalate	12.434	149	61001	1.591	ug/ml	97
110)	Benzo(b)fluoranthene	12.739	252	71717	1.811	ug/ml#	96
111)	Benzo(k)fluoranthene	12.763	252	66373M3	1.720	ug/ml	
112)	Benzo(a)pyrene	13.051	252	63171M3	1.723	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	14.075	276	70511M6	1.832	ug/mL	
115)	Dibenzo(a,h)anthracene	14.098	278	66679	1.798	ug/ml#	91
116)	Benzo(ghi)perylene	14.316	276	66699	1.732	ug/ml#	92

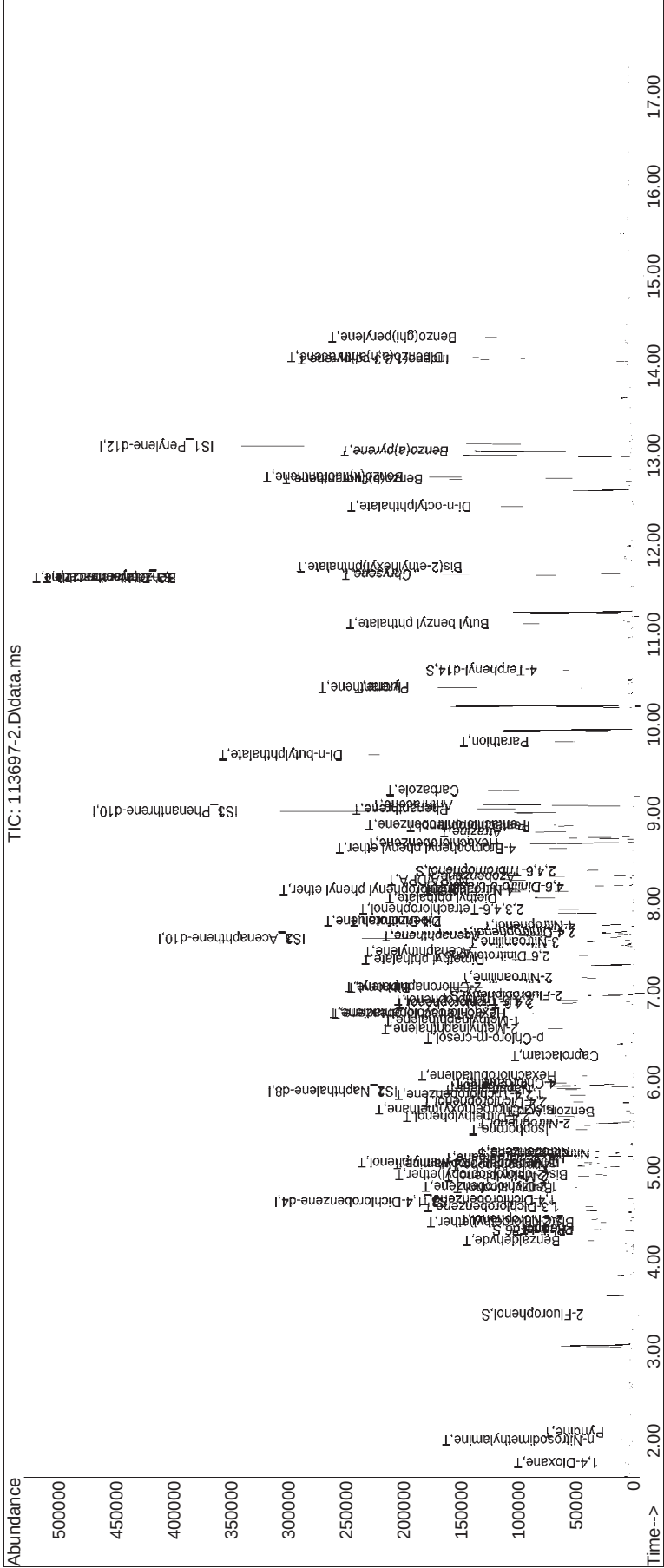
(#) = qualifier out of range (m) = manual integration (+) = signals summed

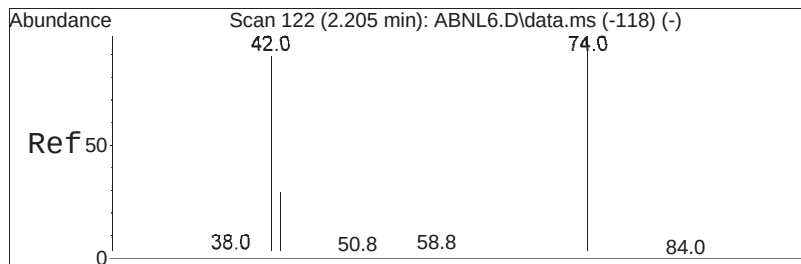
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
Data File : 113697-2.D
Acq On : 12 Sep 2025 03:40 am
Operator : SV112:smz
Sample : WG2113697-2,32,,ASK
Misc : WG2113687,WG2113697,ical22560
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 10:40:50 2025
Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Fri Sep 12 02:08:59 2025
Response via : Initial Calibration

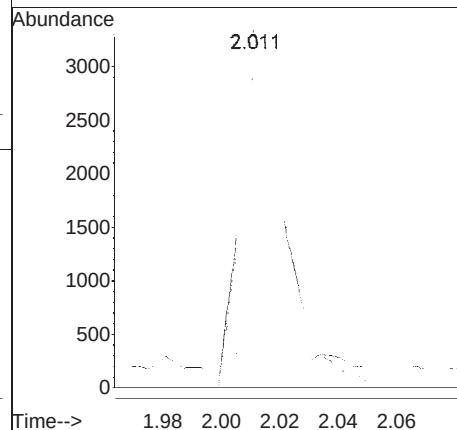
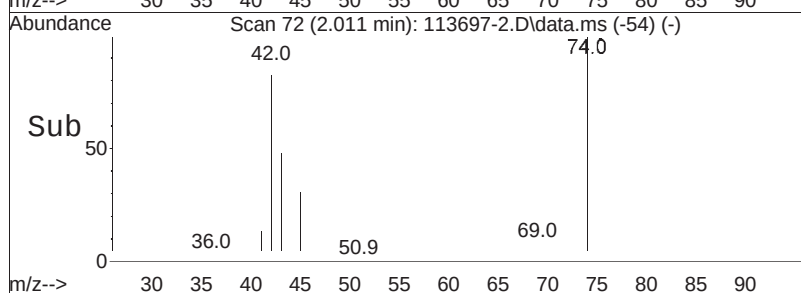
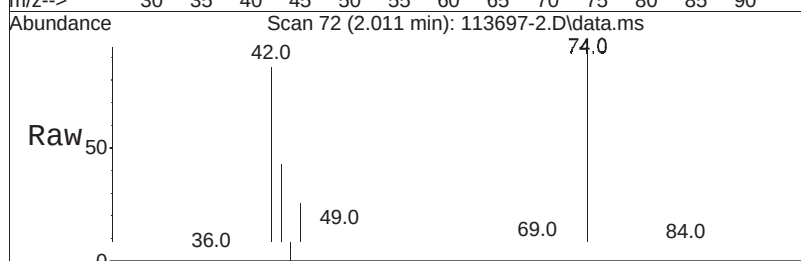
Sub List : 8270ITC\8270SV112\250911NRVT\AP90911n.D•

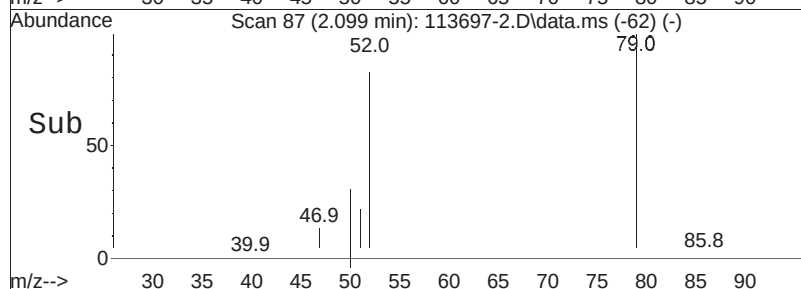
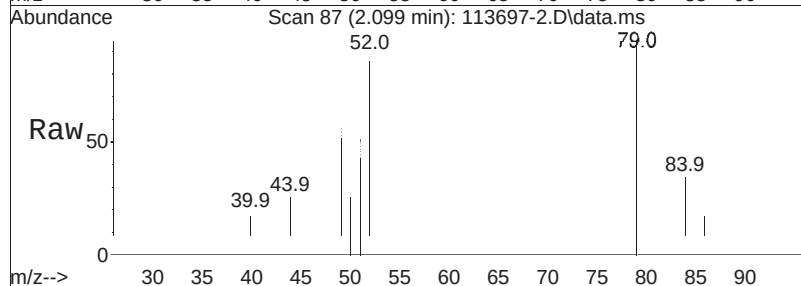
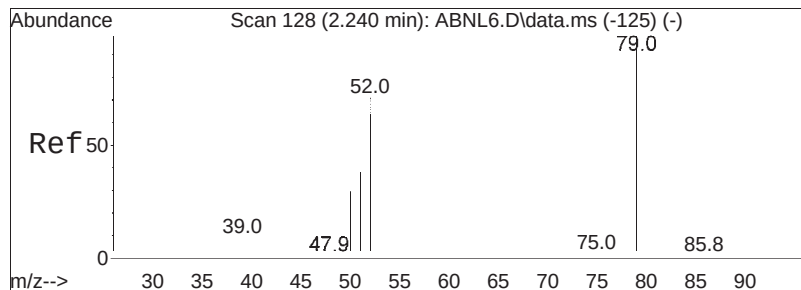




#2
 n-Nitrosodimethylamine
 Concen: 0.90 ug/ml
 RT: 2.011 min Scan# 72
 Delta R.T. 0.006 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion:	74	Resp:	3550
Ion Ratio	Lower	Upper	
74	100		
42	92.5	63.8	95.8
44	19.3	4.3	6.5#





#3

Pyridine

Concen: 0.19 ug/ml M1

RT: 2.099 min Scan# 87

Delta R.T. 0.047 min

Lab File: 113697-2.D

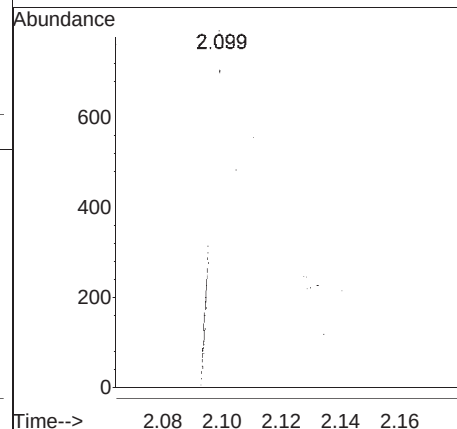
Acq: 12 Sep 2025 03:40 am

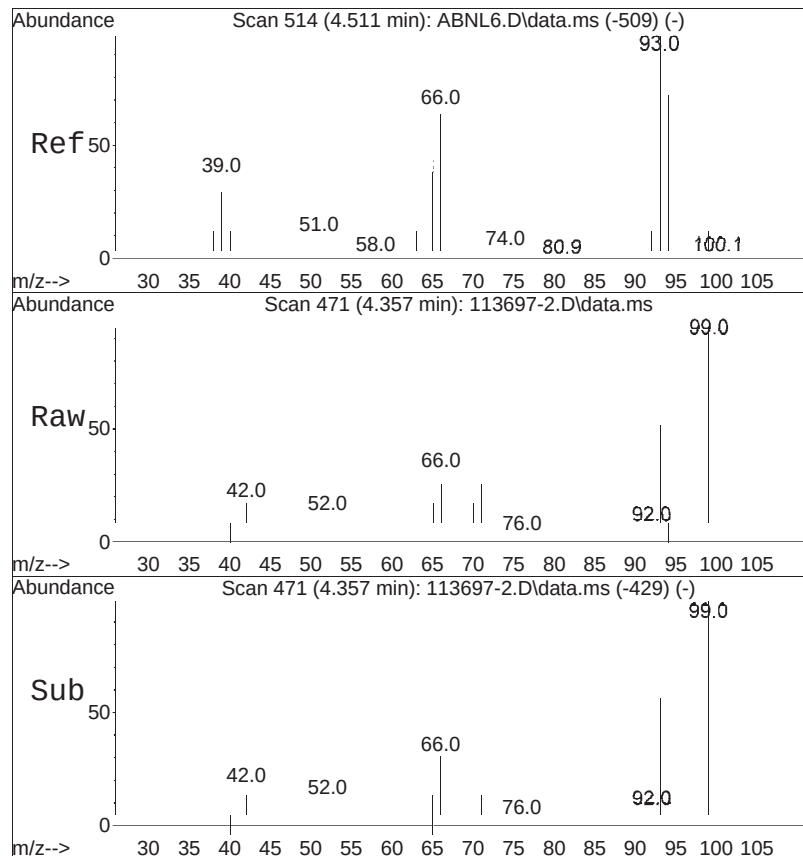
Tgt Ion: 79 Resp: 1306

Ion Ratio Lower Upper

79 100

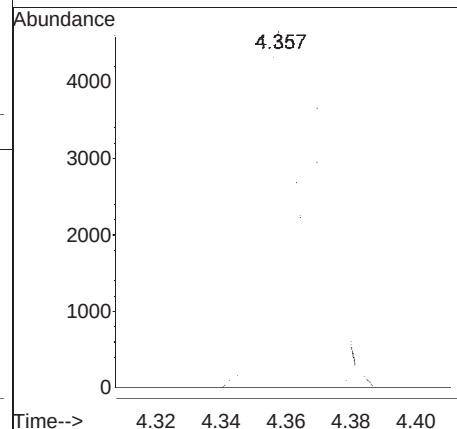
52 69.1 64.6 96.8

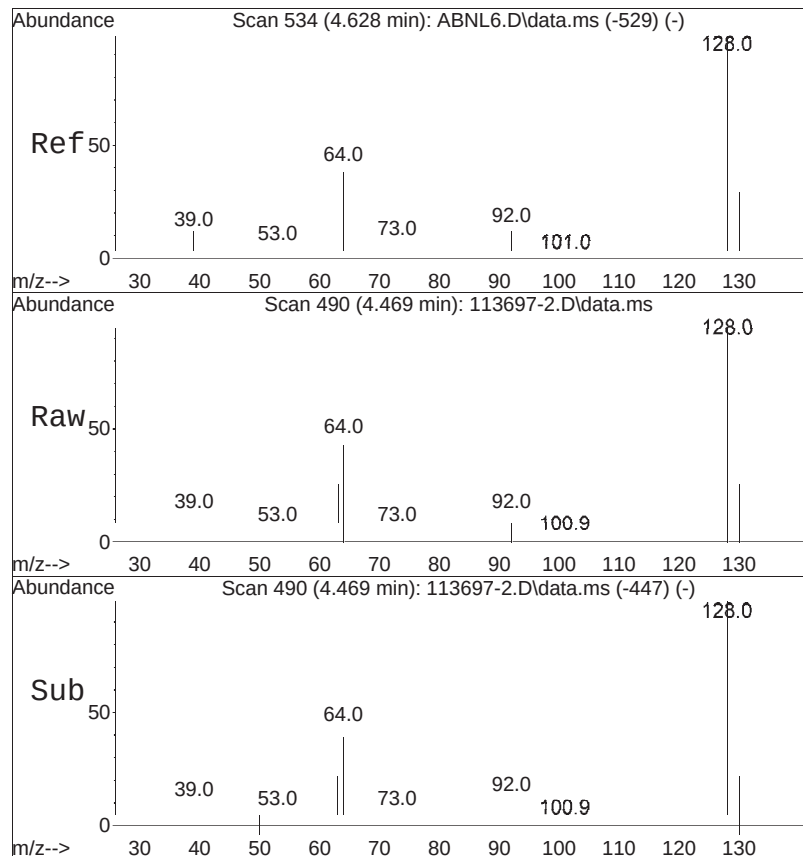




#5
Aniline
Concen: 0.45 ug/ml
RT: 4.357 min Scan# 471
Delta R.T. -0.000 min
Lab File: 113697-2.D
Acq: 12 Sep 2025 03:40 am

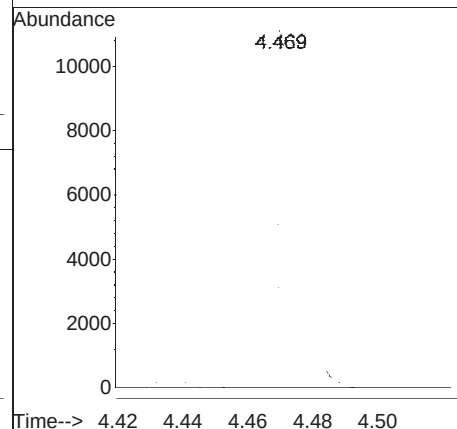
Tgt Ion:	93	Resp:	4228
Ion Ratio	Lower	Upper	
93	100		
66	106.6	31.3	46.9#
65	77.3	16.6	25.0#

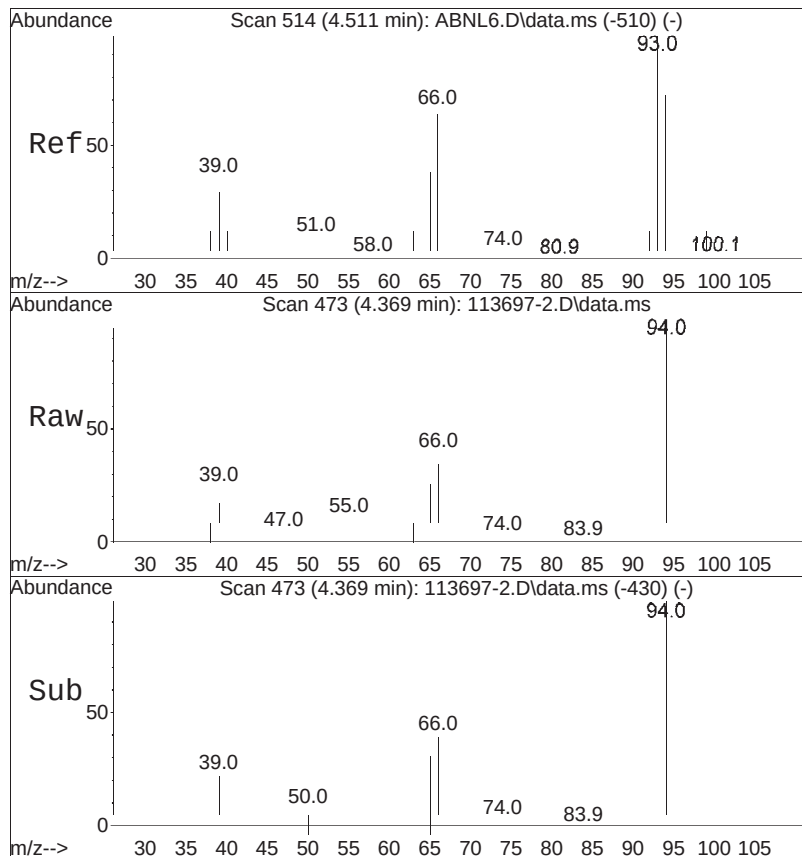




#6
 2-Chlorophenol
 Concen: 1.50 ug/ml
 RT: 4.469 min Scan# 490
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

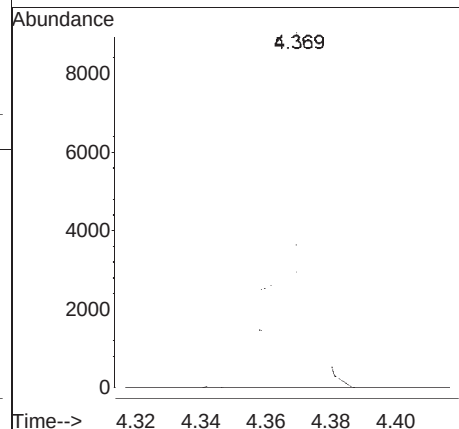
Tgt Ion:	128	Resp:	9587
Ion Ratio	Lower	Upper	
128	100		
64	46.4	38.2	57.4
130	31.7	26.2	39.2

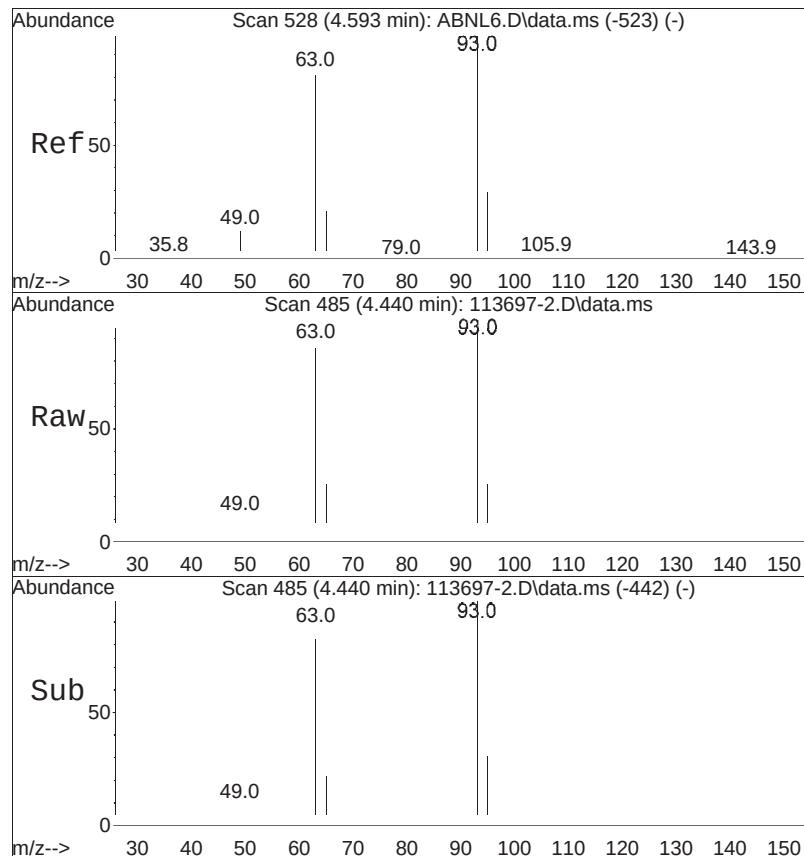




#8
 Phenol
 Concen: 0.96 ug/ml
 RT: 4.369 min Scan# 473
 Delta R.T. 0.006 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

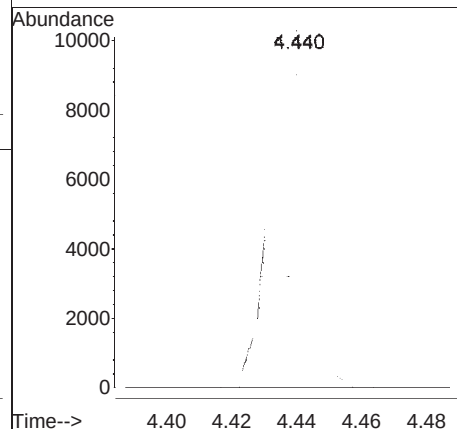
Tgt Ion:	94	Resp:	7519
Ion	Ratio	Lower	Upper
94	100		
65	43.5	23.0	34.6#
66	60.0	32.1	48.1#

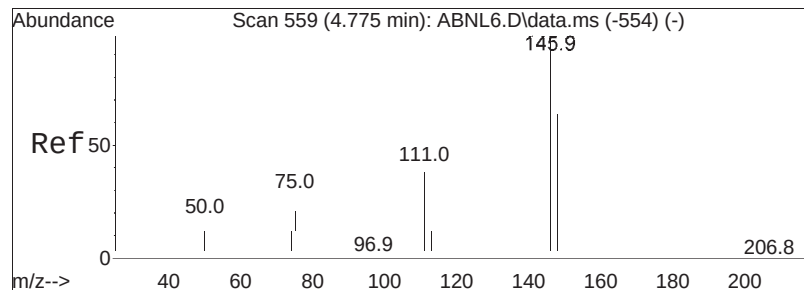




#9
 Bis(2-chloroethyl)ether
 Concen: 1.37 ug/ml
 RT: 4.440 min Scan# 485
 Delta R.T. 0.006 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

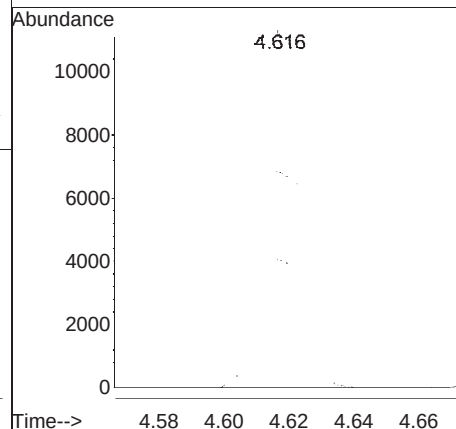
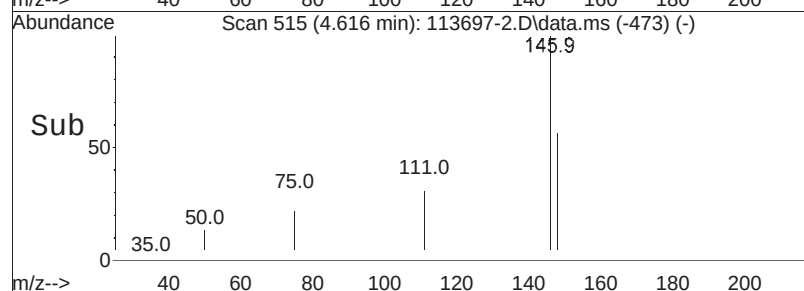
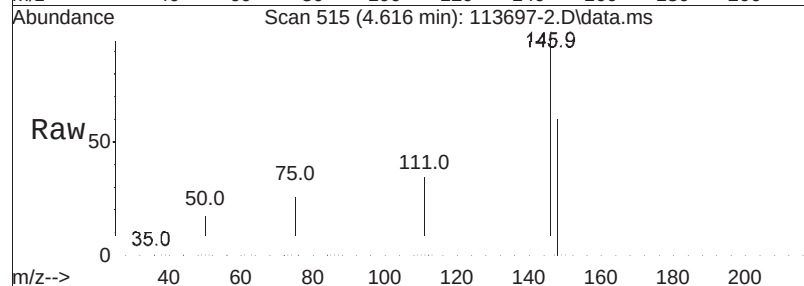
Tgt Ion:	93	Resp:	8949
Ion Ratio	Lower	Upper	
93	100		
63	89.3	67.0	100.4
95	33.4	26.1	39.1

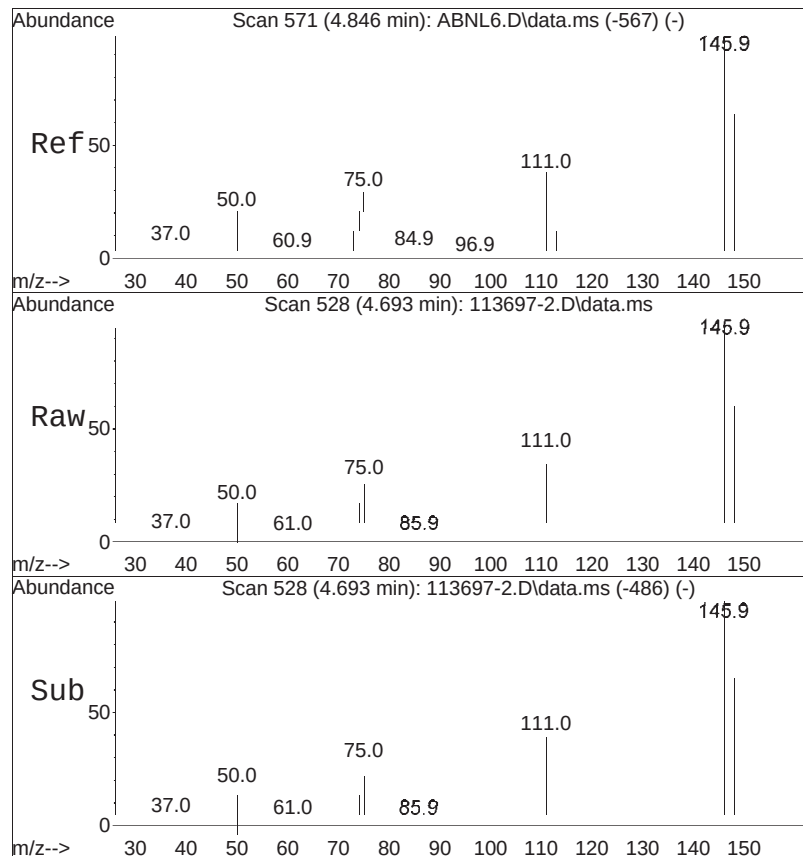




#10
 1,3-Dichlorobenzene
 Concen: 1.25 ug/ml
 RT: 4.616 min Scan# 515
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

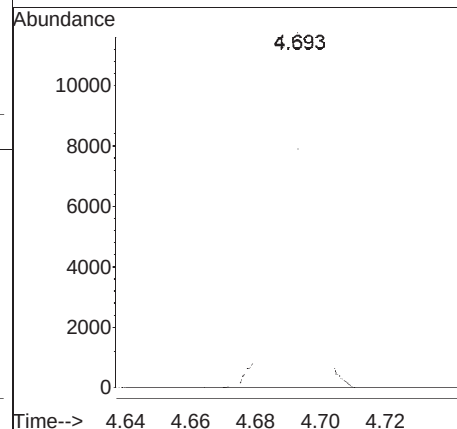
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	35.0	52.4
148	64.2	51.3	76.9

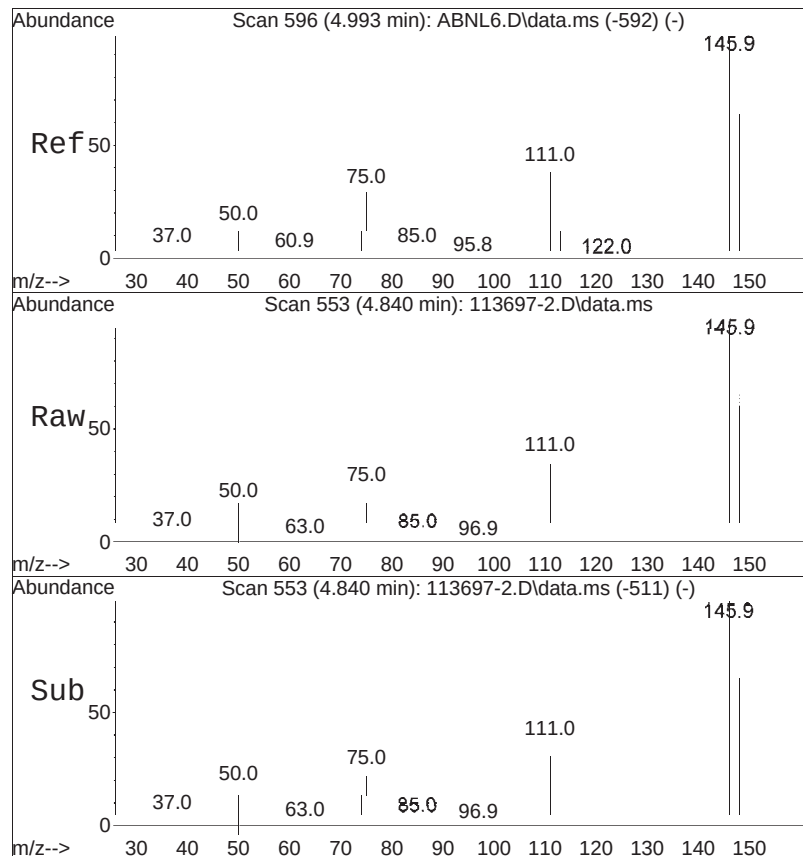




#11
 1,4-Dichlorobenzene
 Concen: 1.23 ug/ml
 RT: 4.693 min Scan# 528
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

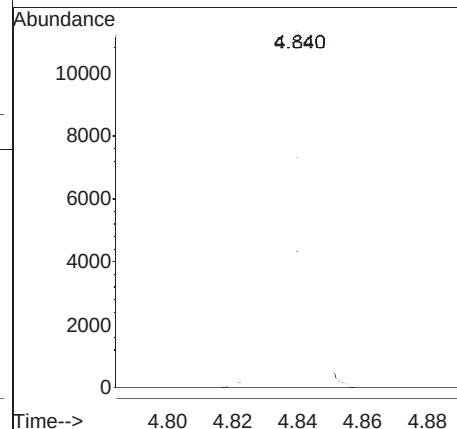
Tgt Ion:	146	Resp:	9810
Ion Ratio	Lower	Upper	
146	100		
148	66.7	51.1	76.7
111	43.1	34.4	51.6

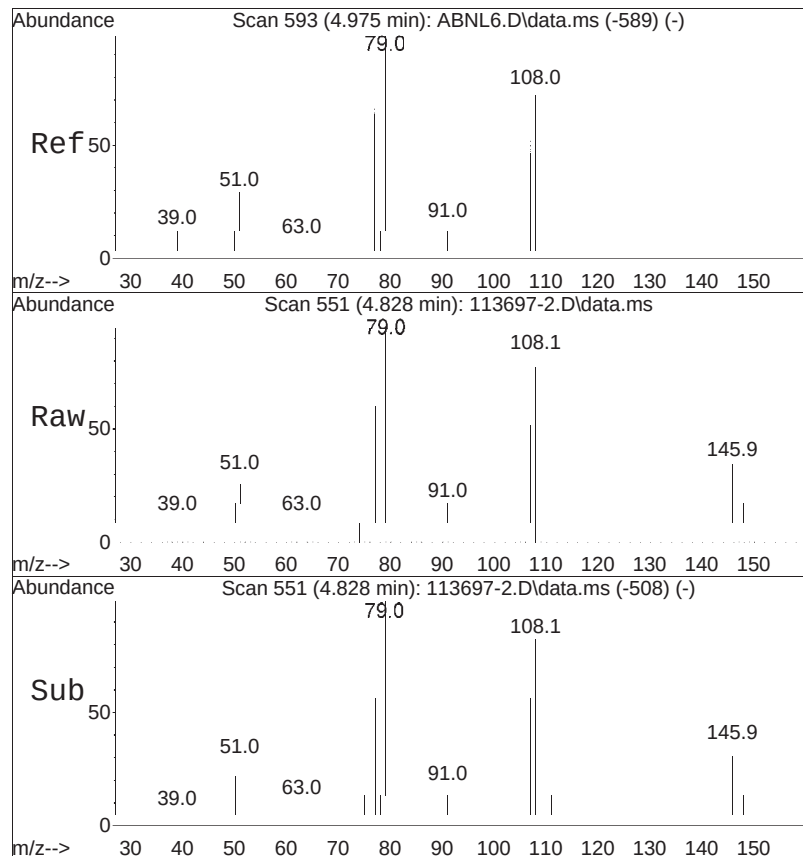




#12
 1,2-Dichlorobenzene
 Concen: 1.29 ug/ml
 RT: 4.840 min Scan# 553
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

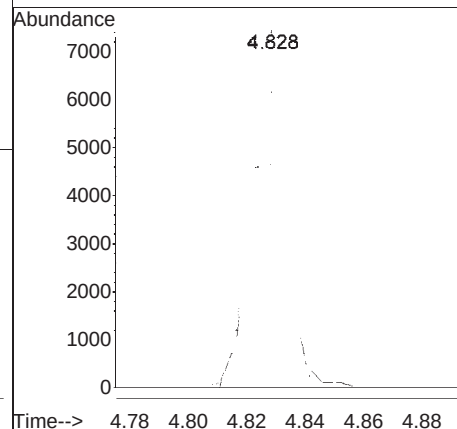
Tgt Ion	Ratio	Resp	Lower	Upper
146	100	9964		
111	38.9		35.5	53.3
148	64.8		50.6	76.0

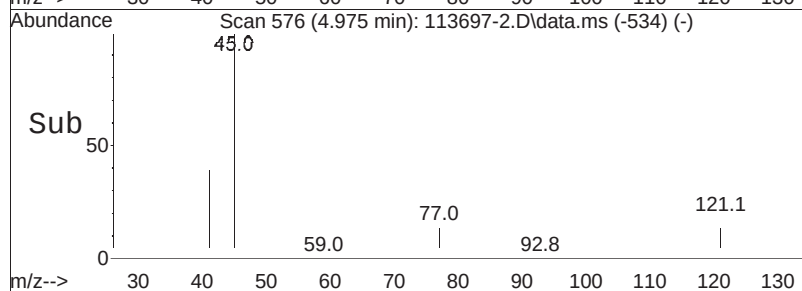
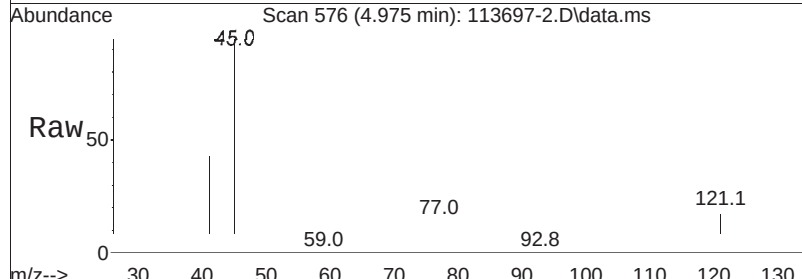
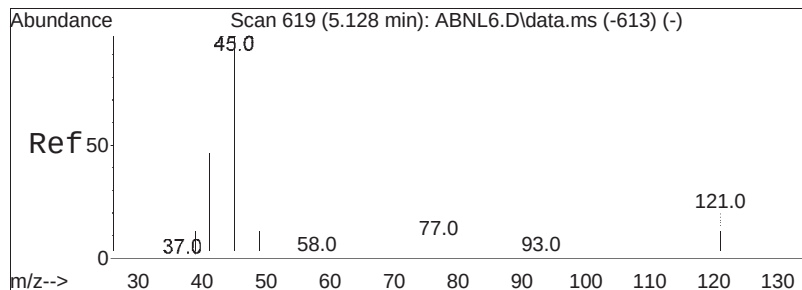




#13
 Benzyl alcohol
 Concen: 1.20 ug/ml
 RT: 4.828 min Scan# 551
 Delta R.T. 0.006 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

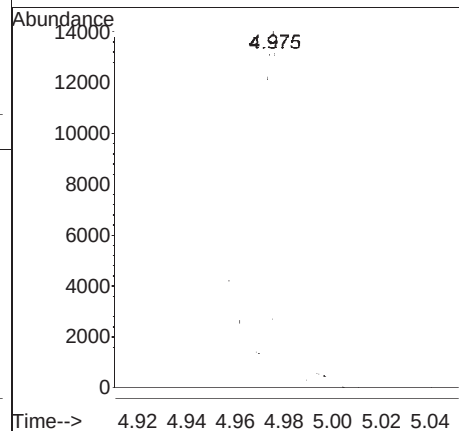
Tgt Ion:	79	Resp:	6685
Ion Ratio	Lower	Upper	
79	100		
77	65.4	51.8	77.6
108	82.2	63.9	95.9

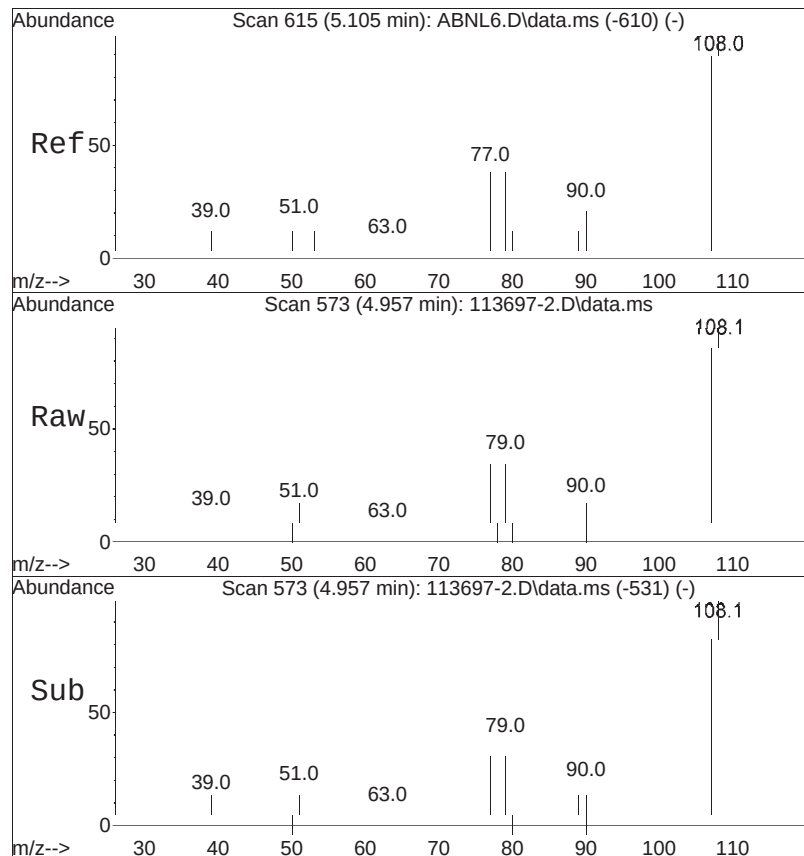




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.22 ug/ml
 RT: 4.975 min Scan# 576
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

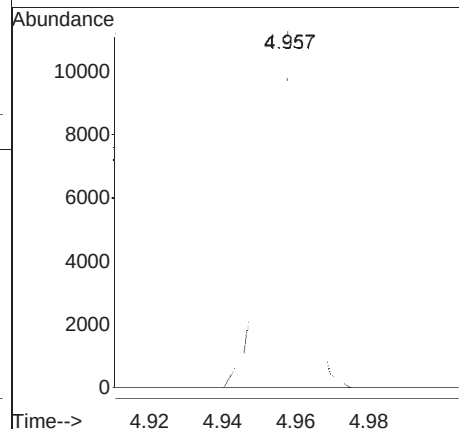
Tgt Ion	Ratio	Lower	Upper
45	100		
121	19.6	14.8	22.2
77	41.0	10.5	15.7#

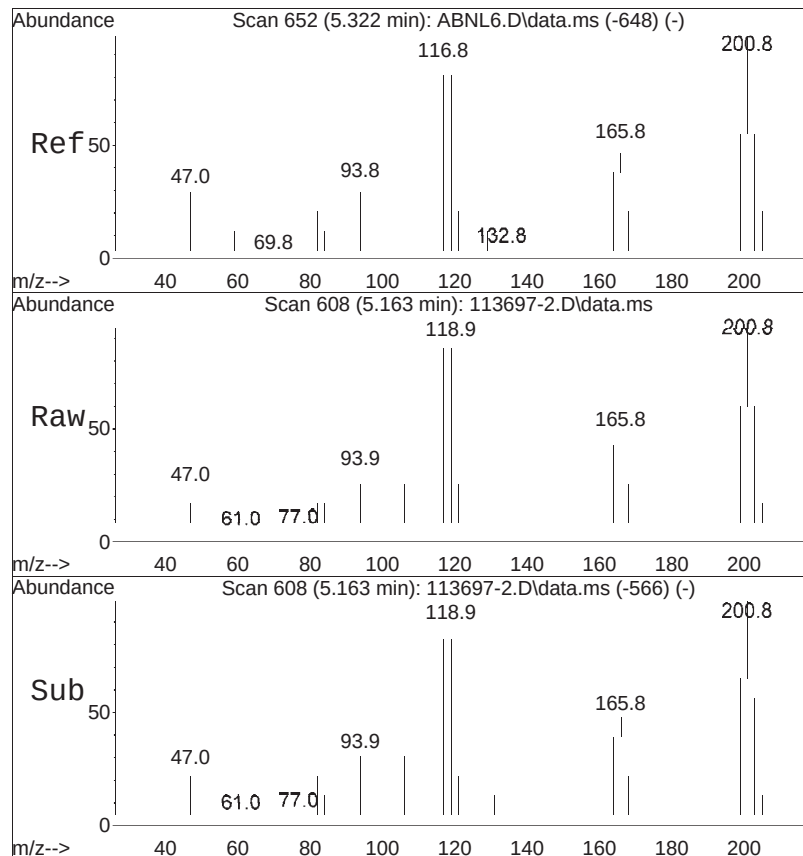




#15
 2-Methylphenol
 Concen: 1.44 ug/ml
 RT: 4.957 min Scan# 573
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

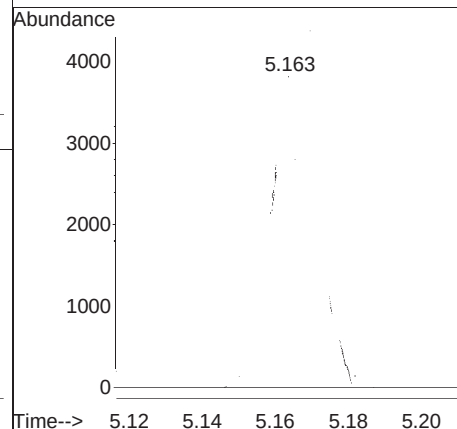
Tgt Ion:	108	Resp:	8264
Ion Ratio	Lower	Upper	
108	100		
107	87.8	71.0	106.4
90	23.5	19.7	29.5

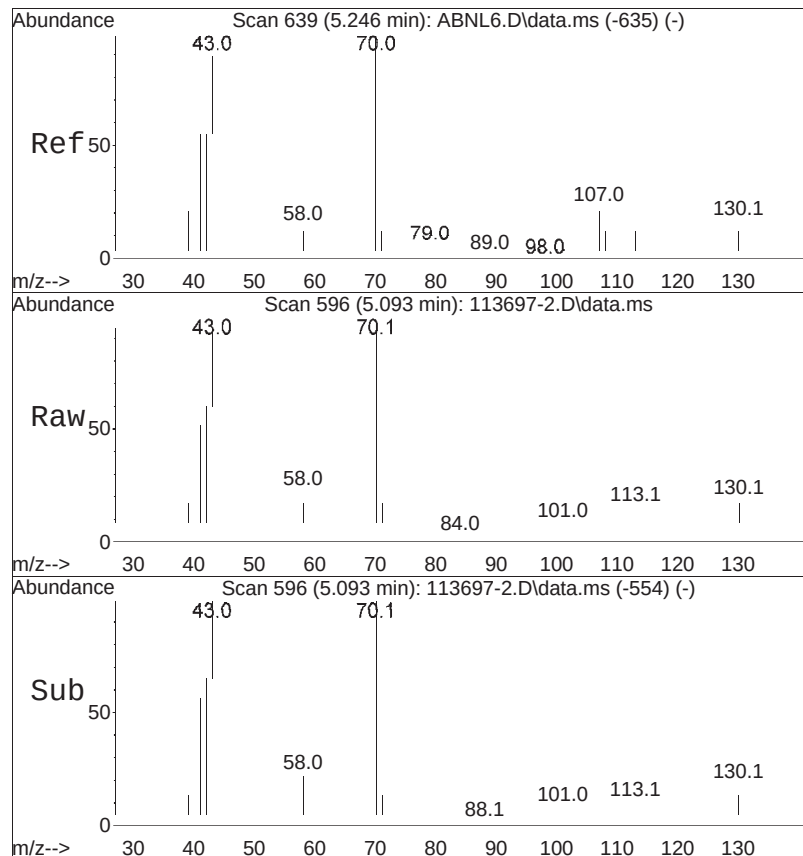




#16
 Hexachloroethane
 Concen: 1.14 ug/ml
 RT: 5.163 min Scan# 608
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

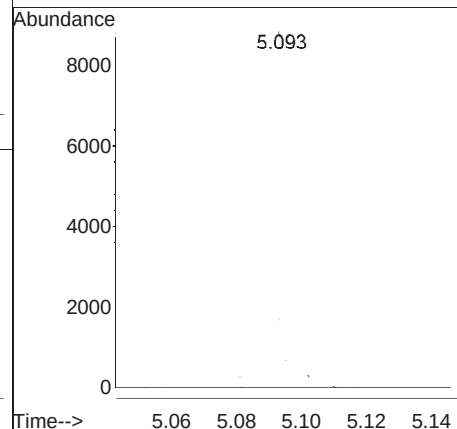
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3385		
201	120.1		64.4	96.6#
199	76.9		40.5	60.7#

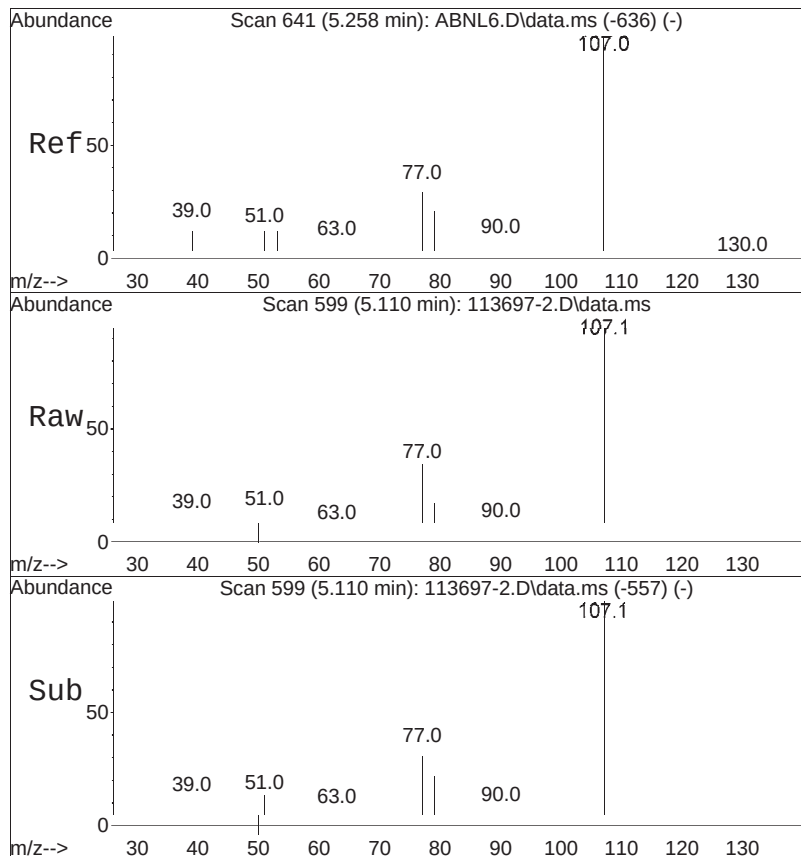




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.29 ug/ml
 RT: 5.093 min Scan# 596
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

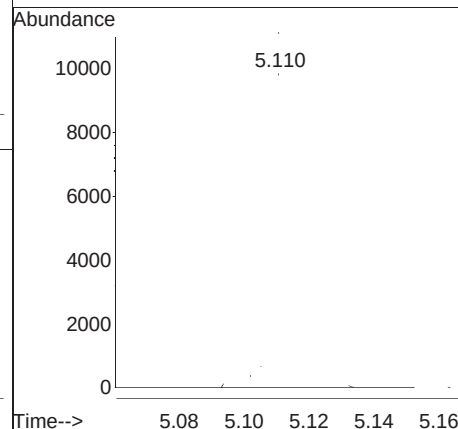
Tgt Ion:	70	Resp:	6635
Ion Ratio	Lower	Upper	
70	100		
130	18.3	16.2	24.4
101	8.9	7.6	11.4

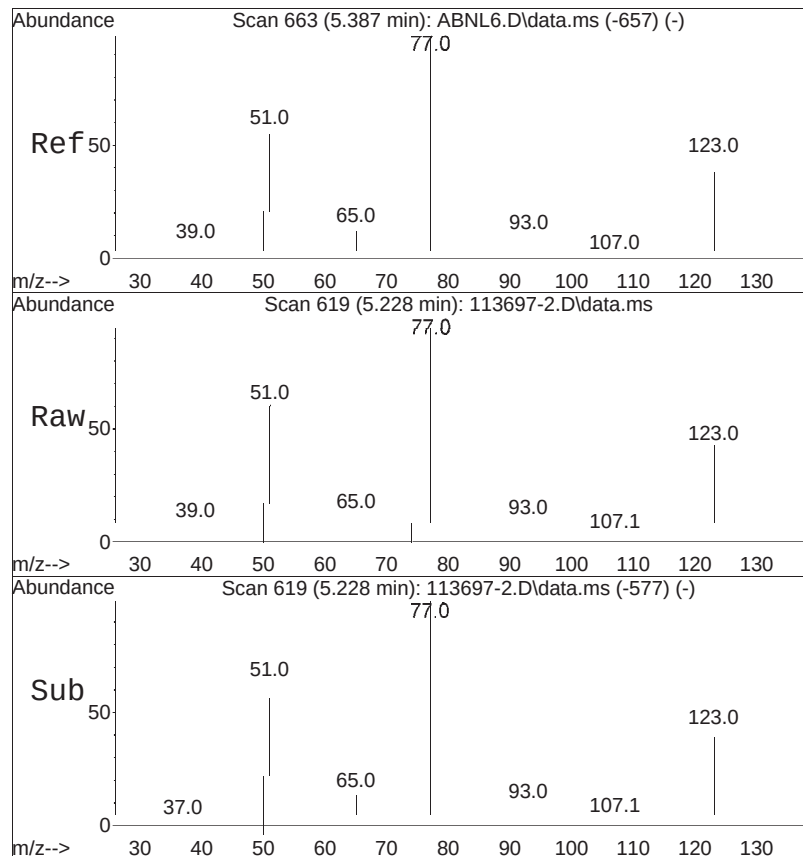




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.39 ug/ml
 RT: 5.110 min Scan# 599
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

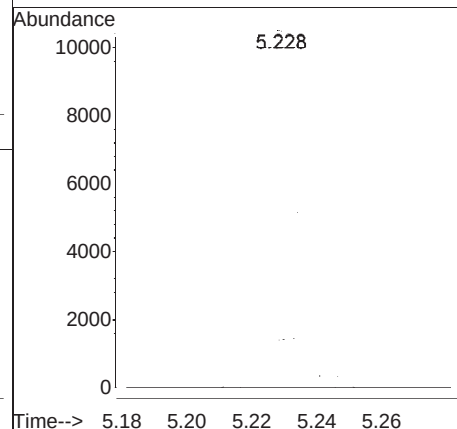
Tgt Ion:	108	Resp:	8767
Ion Ratio	Lower	Upper	
108	100		
107	115.5	88.8	133.2
90	10.6	9.0	13.6

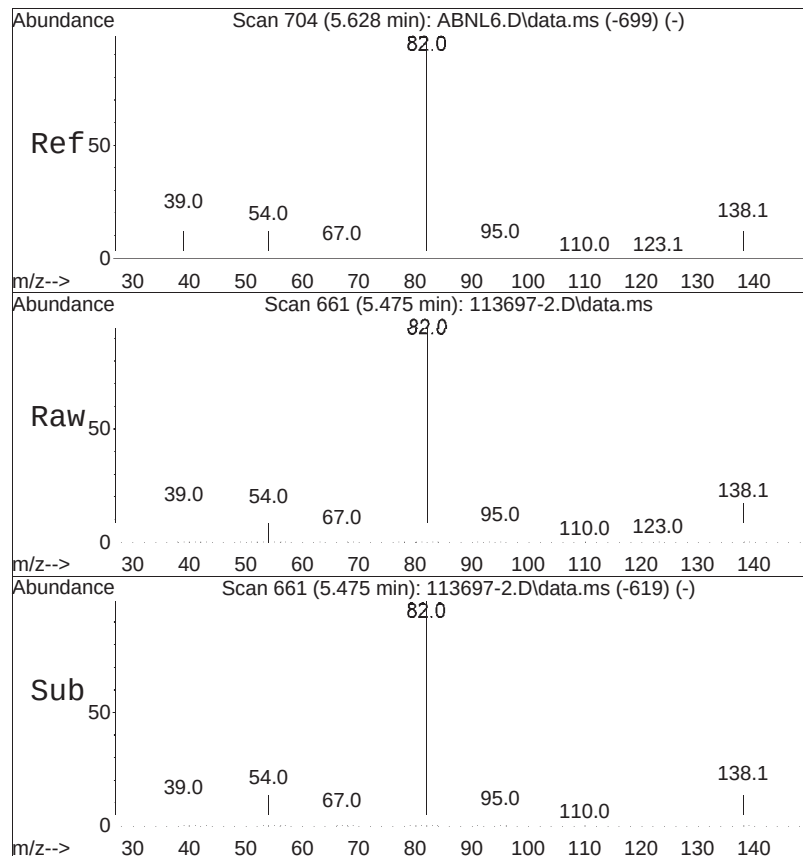




#20
 Nitrobenzene
 Concen: 1.39 ug/ml
 RT: 5.228 min Scan# 619
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

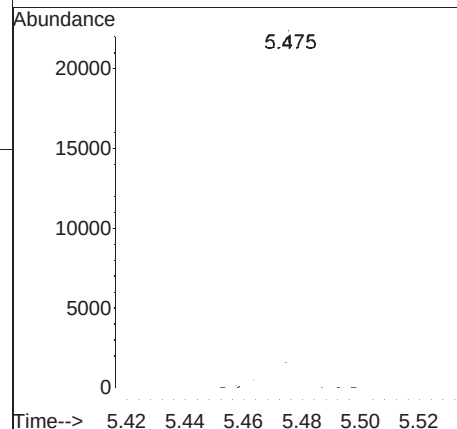
Tgt Ion:	77	Resp:	9684
Ion Ratio	Lower	Upper	
77	100		
123	46.3	37.3	55.9
65	13.3	10.9	16.3

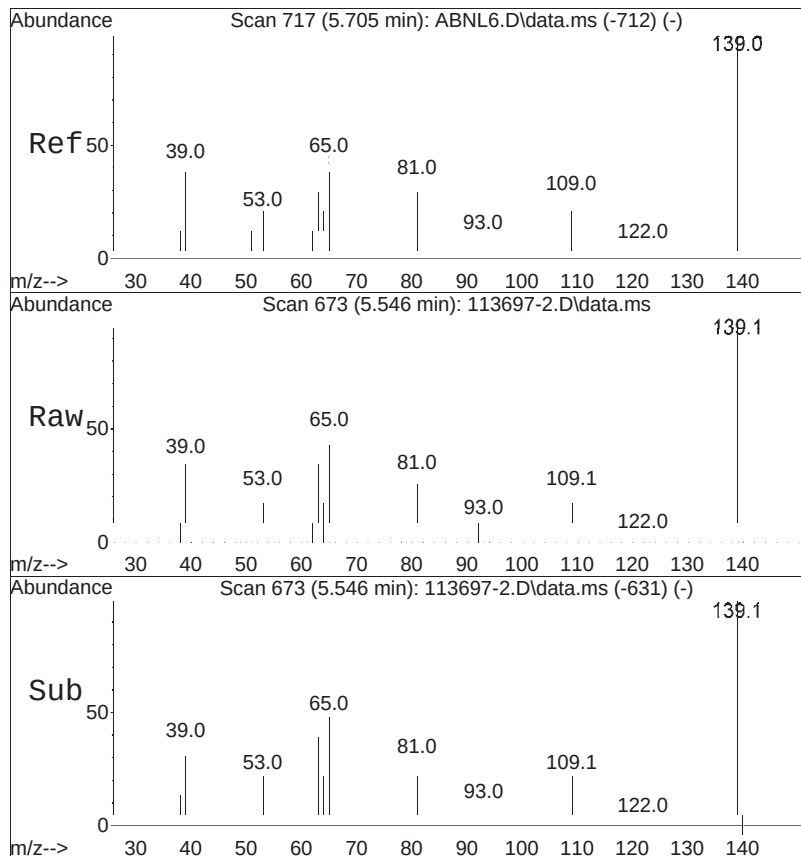




#21
 Isophorone
 Concen: 1.33 ug/ml
 RT: 5.475 min Scan# 661
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

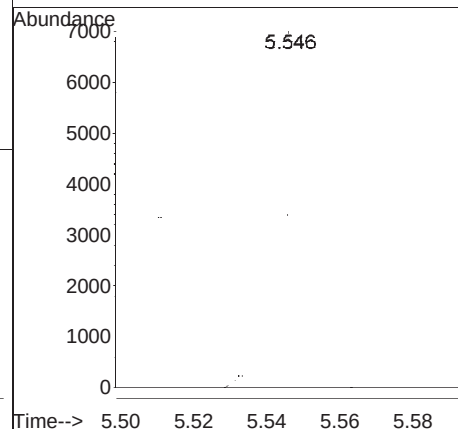
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	18891		
138	16.8		13.0	19.4
95	6.9		5.5	8.3

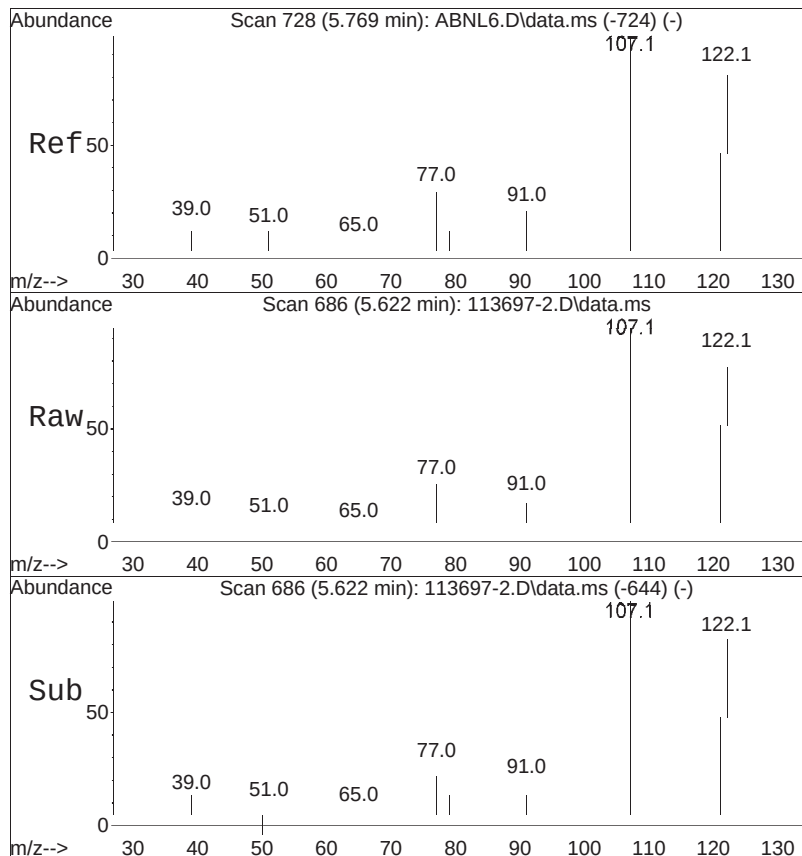




#22
 2-Nitrophenol
 Concen: 1.62 ug/ml
 RT: 5.546 min Scan# 673
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

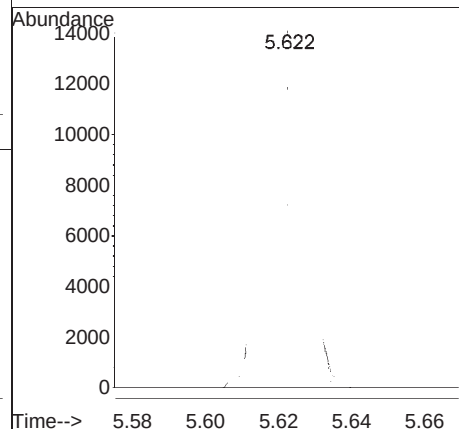
Tgt Ion:	139	Resp:	5197
Ion Ratio	Lower	Upper	
139	100		
109	25.5	23.1	34.7
65	50.3	41.4	62.2

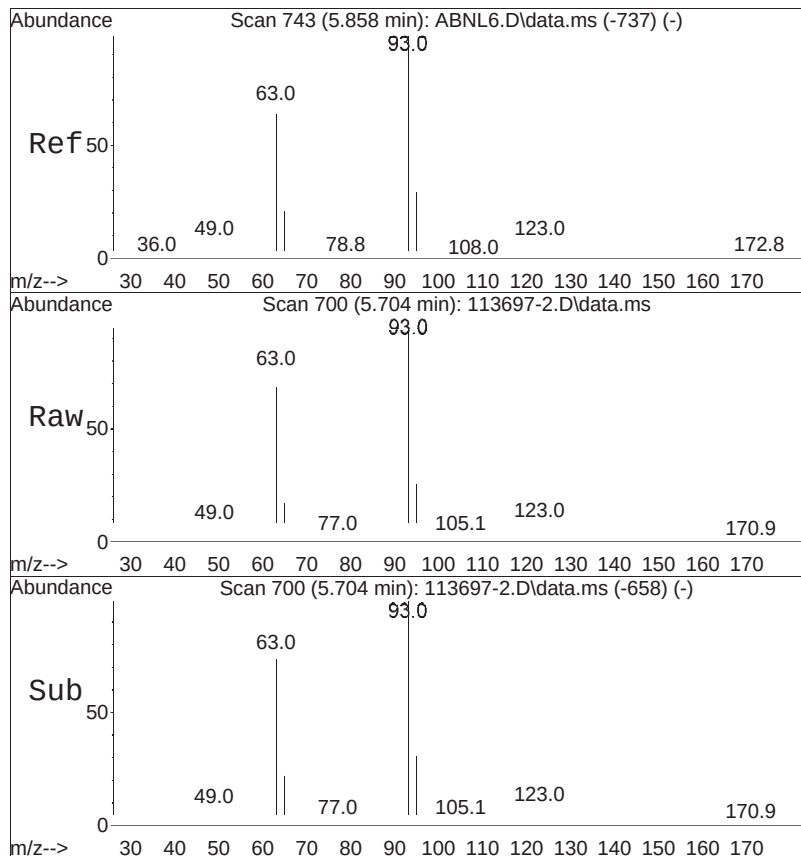




#23
 2,4-Dimethylphenol
 Concen: 1.39 ug/ml
 RT: 5.622 min Scan# 686
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

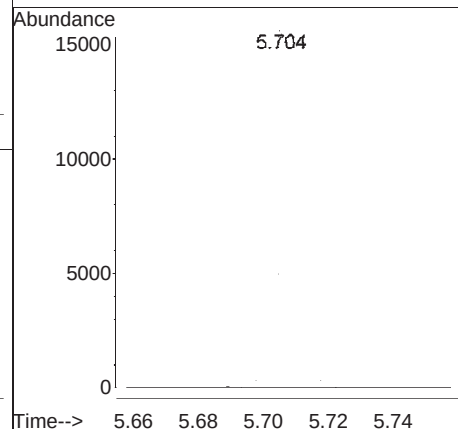
Tgt Ion	Ratio	Lower	Upper
107	100		
121	52.9	41.3	61.9
122	86.3	69.3	103.9

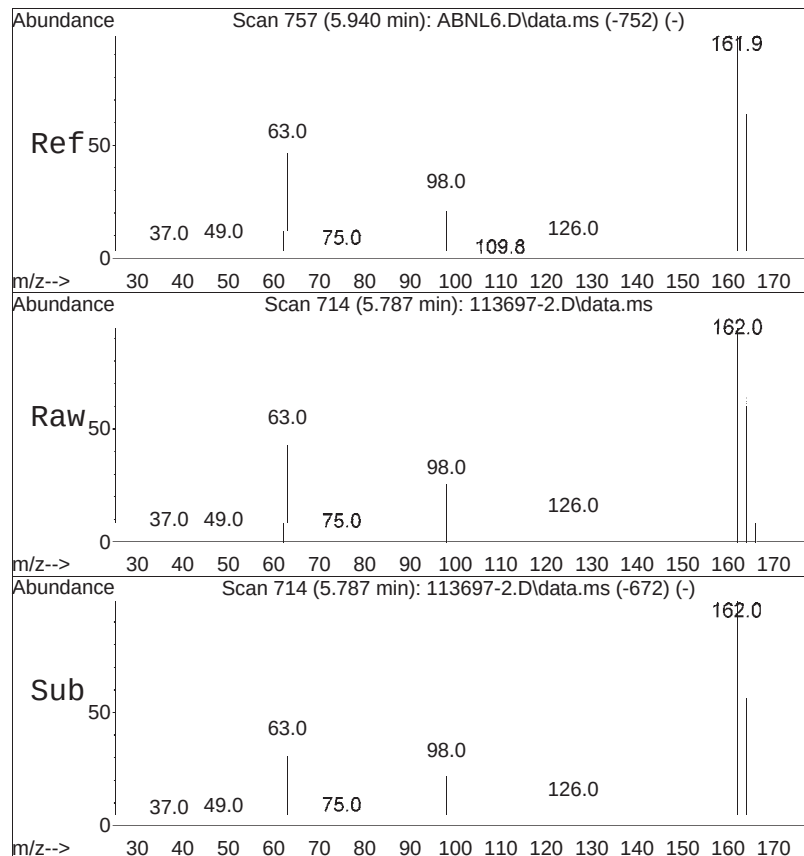




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.44 ug/ml
 RT: 5.704 min Scan# 700
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

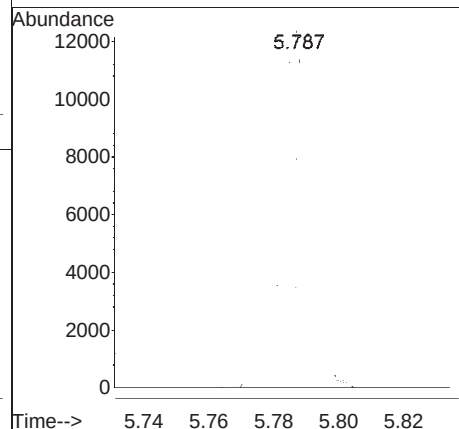
Tgt Ion:	93	Resp:	12886
Ion Ratio	Lower	Upper	
93	100		
95	31.6	25.8	38.8
123	9.7	9.6	14.4

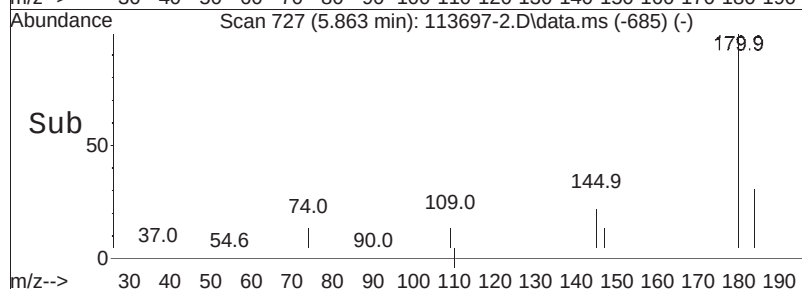
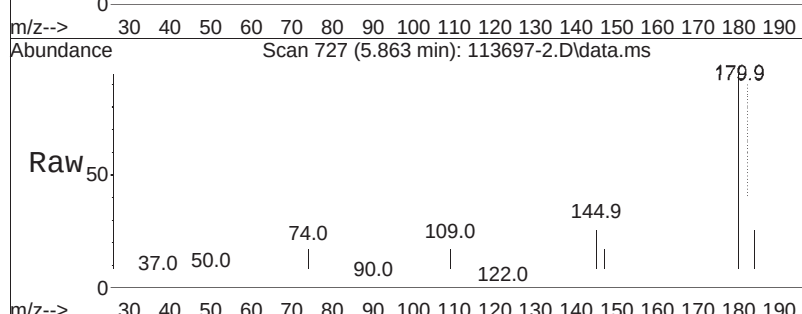
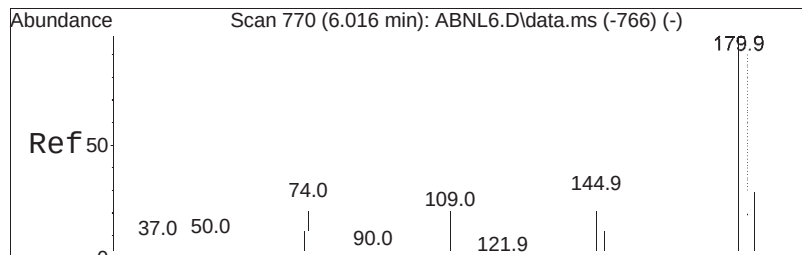




#25
 2,4-Dichlorophenol
 Concen: 1.53 ug/ml
 RT: 5.787 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion:	162	Resp:	10123
Ion Ratio	Lower	Upper	
162	100		
164	65.0	51.1	76.7
98	31.5	32.2	48.2#





#26

1,2,4-Trichlorobenzene

Concen: 1.23 ug/ml

RT: 5.863 min Scan# 727

Delta R.T. -0.000 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

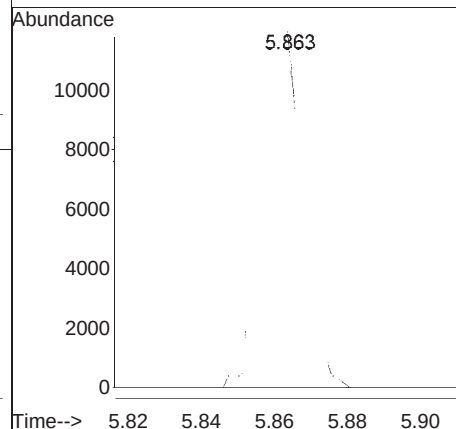
Tgt Ion:180 Resp: 9429

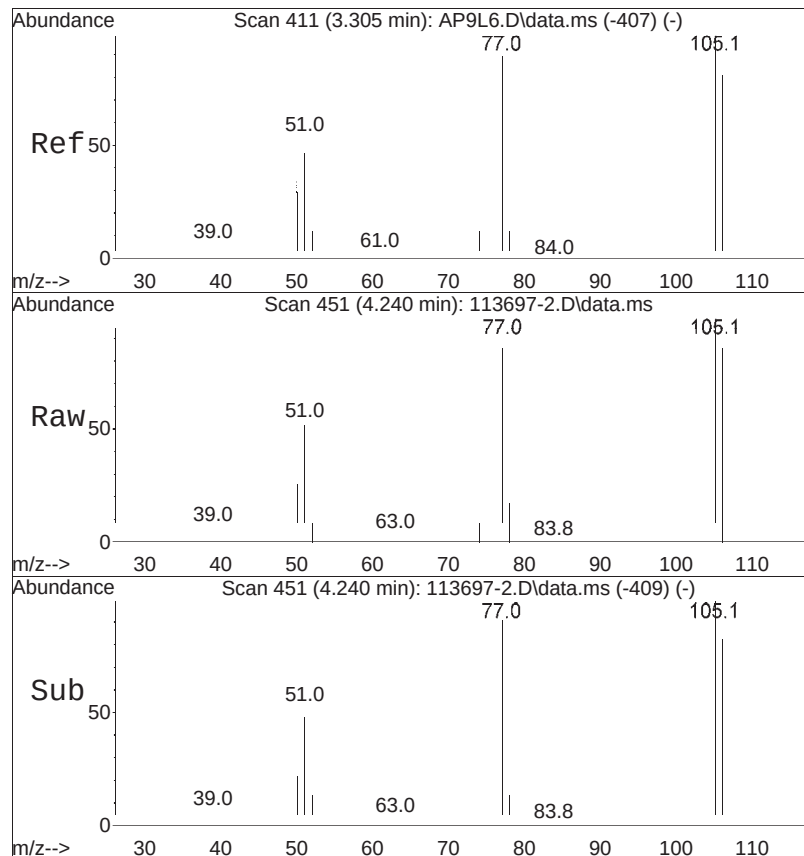
Ion Ratio Lower Upper

180 100

182 99.4 75.8 113.8

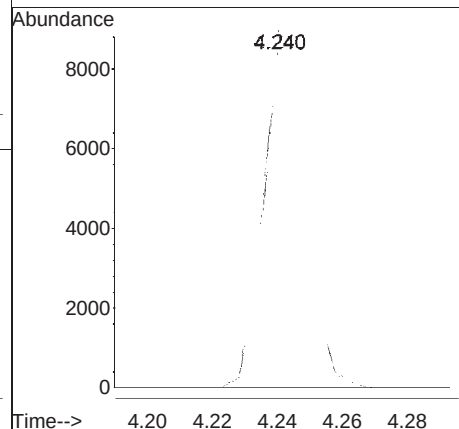
145 30.2 26.3 39.5

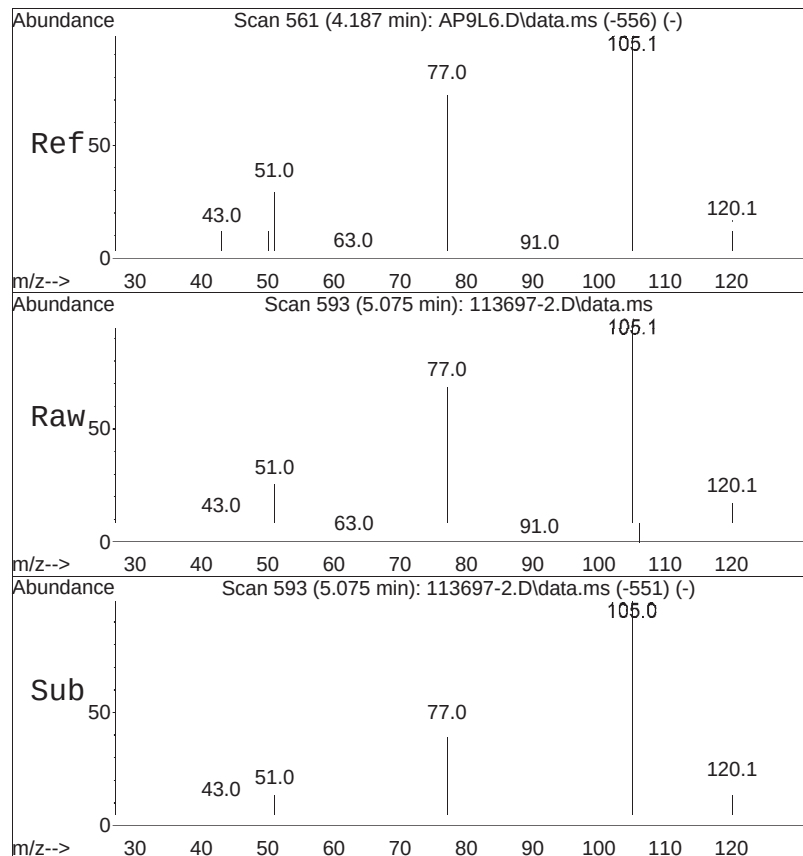




#28
 Benzaldehyde
 Concen: 2.63 ug/ml
 RT: 4.240 min Scan# 451
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

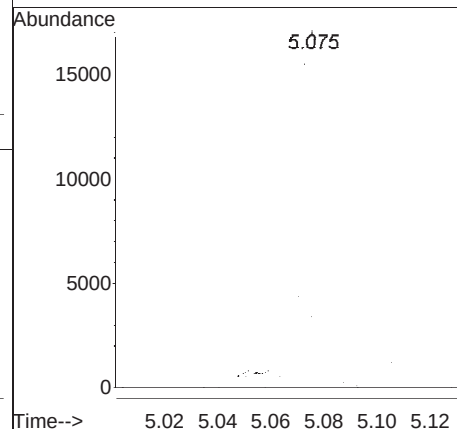
Tgt Ion	105	Ratio	Lower	Upper
105	100			
77	95.7		77.0	115.6

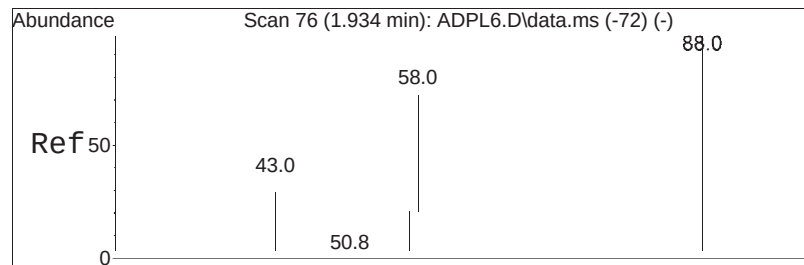




#29
 Acetophenone
 Concen: 1.51 ug/ml
 RT: 5.075 min Scan# 593
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion:	105	Resp:	14866
Ion Ratio	Lower	Upper	
105	100		
120	18.8	15.2	22.8
51	34.0	23.1	34.7





#33

1,4-Dioxane

Concen: 0.83 ug/ml

RT: 1.758 min Scan# 29

Delta R.T. 0.006 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

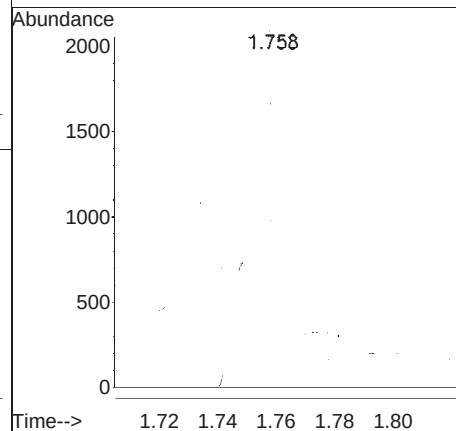
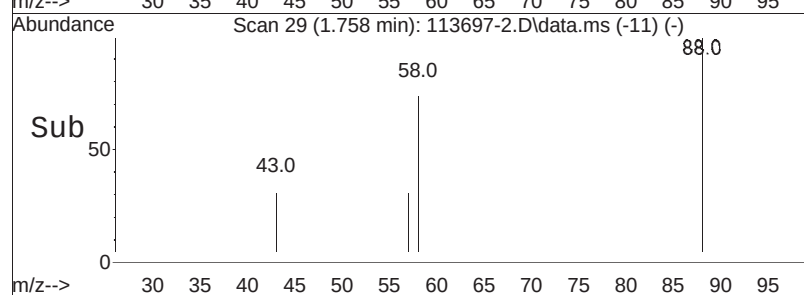
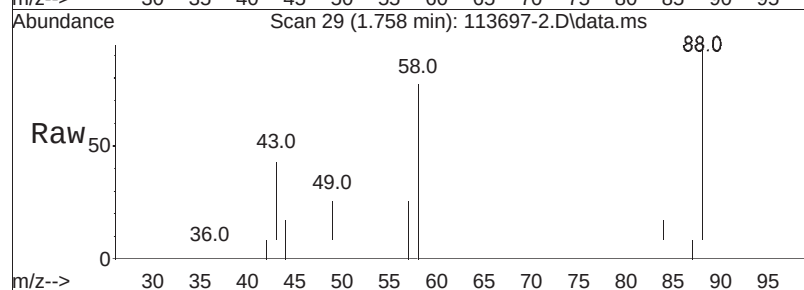
Tgt Ion: 88 Resp: 2257

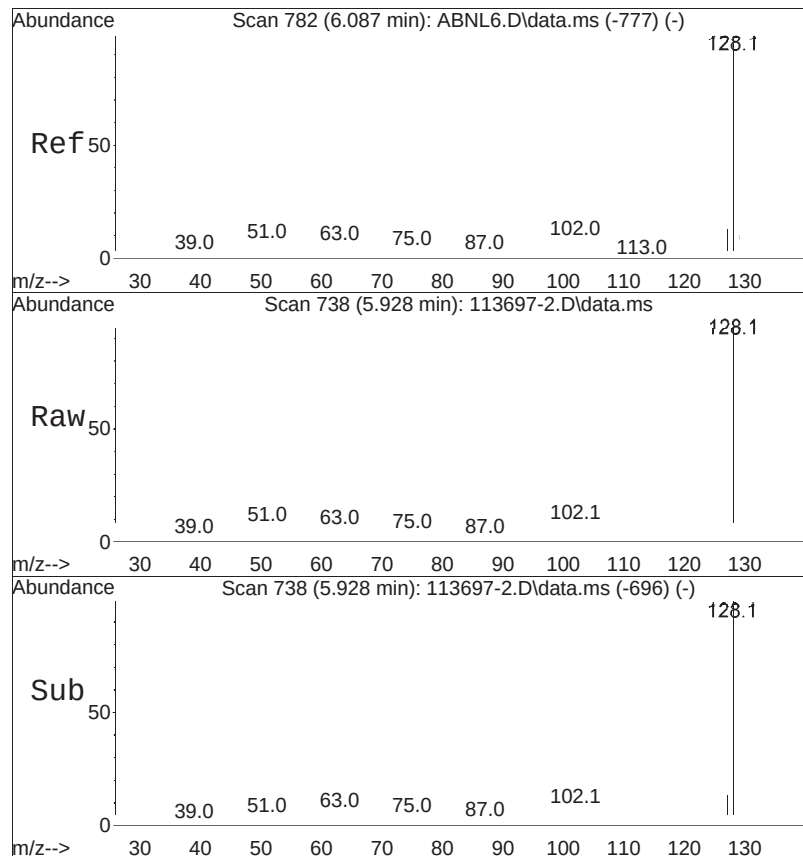
Ion Ratio Lower Upper

88 100

58 77.8 44.8 67.2#

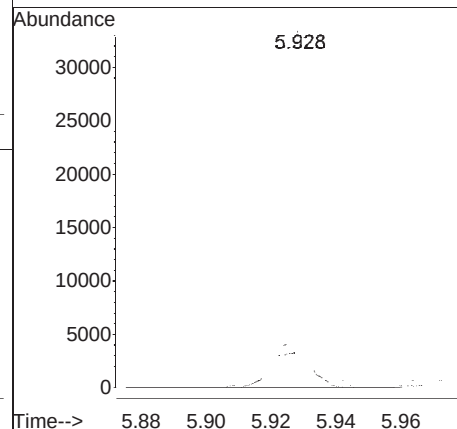
43 0.0 22.4 33.6#

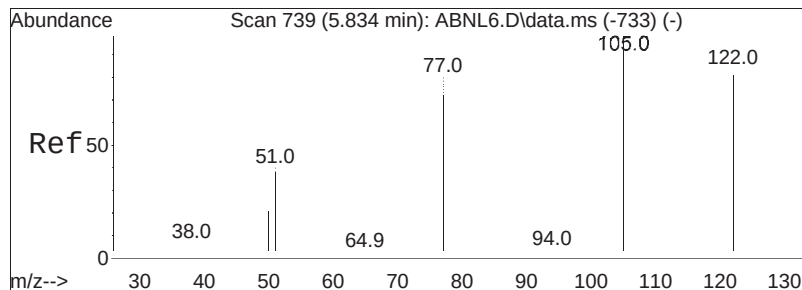




#36
 Naphthalene
 Concen: 1.46 ug/ml
 RT: 5.928 min Scan# 738
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion:	128	Resp:	28838
Ion Ratio	Lower	Upper	
128	100		
129	10.2	8.9	13.3
127	12.6	10.6	15.8





#37

Benzoic Acid

Concen: 2.07 ug/ml

RT: 5.681 min Scan# 696

Delta R.T. -0.012 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

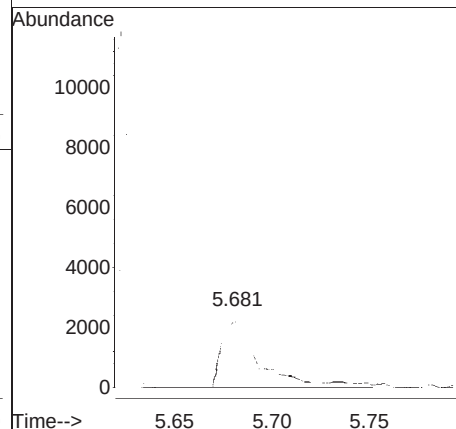
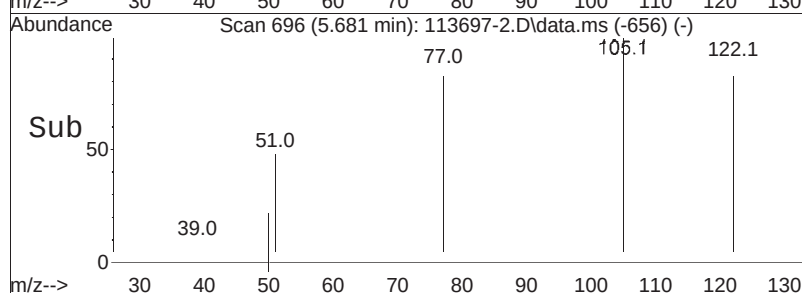
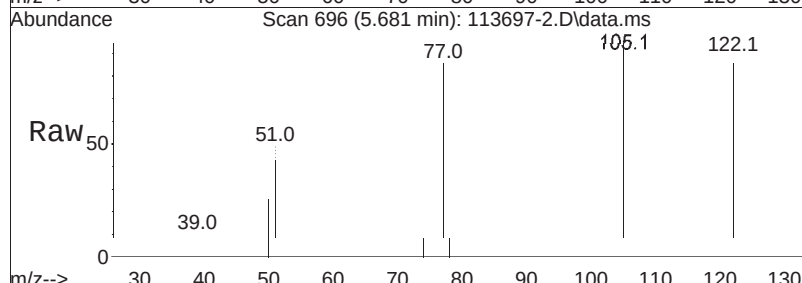
Tgt Ion: 105 Resp: 3757

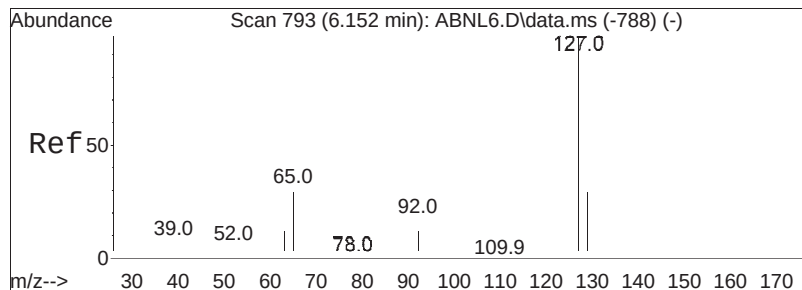
Ion Ratio Lower Upper

105 100

122 76.1 62.6 93.8

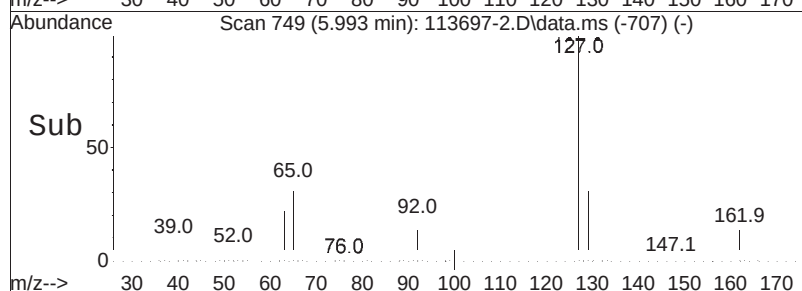
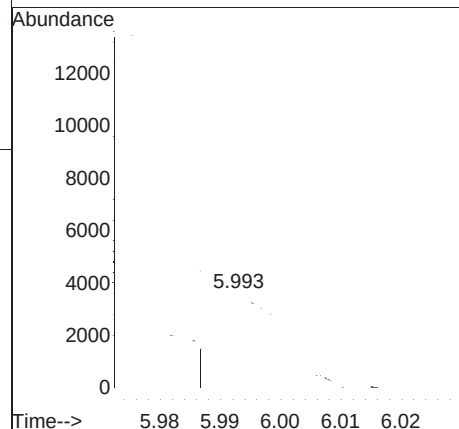
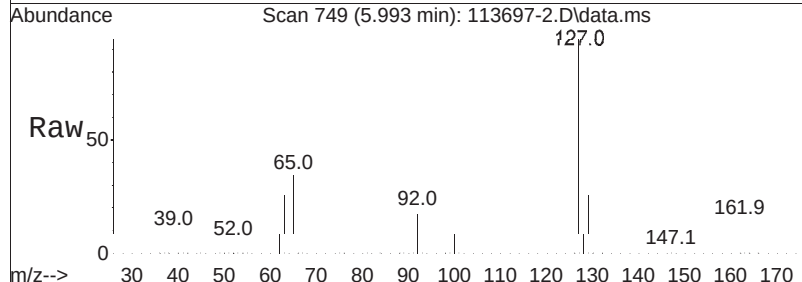
77 81.1 59.1 88.7

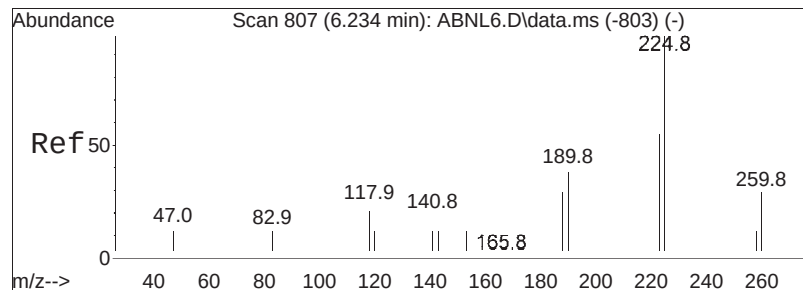




#38
 4-Chloroaniline
 Concen: 0.93 ug/ml M3
 RT: 5.993 min Scan# 749
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion	Ratio	Lower	Upper
65	100		
127	464.5	266.2	399.4#
129	153.9	85.0	127.4#





#39

Hexachlorobutadiene

Concen: 1.14 ug/ml

RT: 6.075 min Scan# 763

Delta R.T. -0.006 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

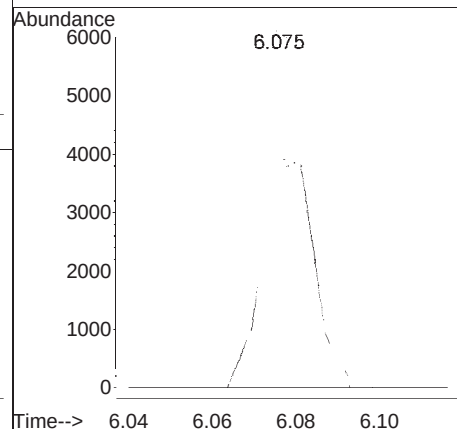
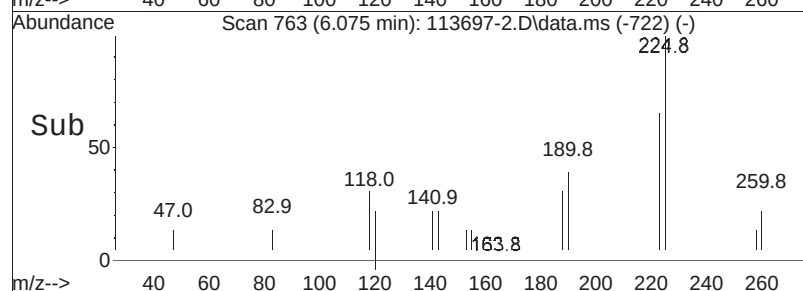
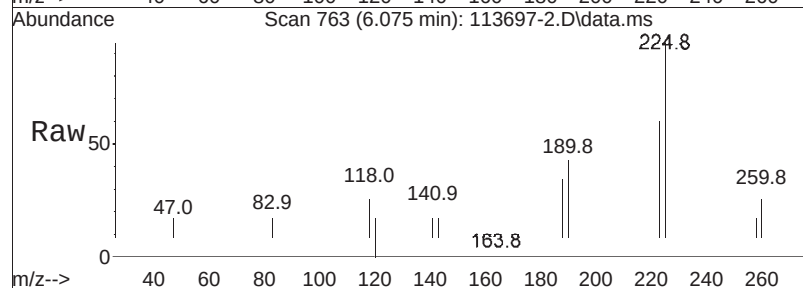
Tgt Ion: 225 Resp: 5358

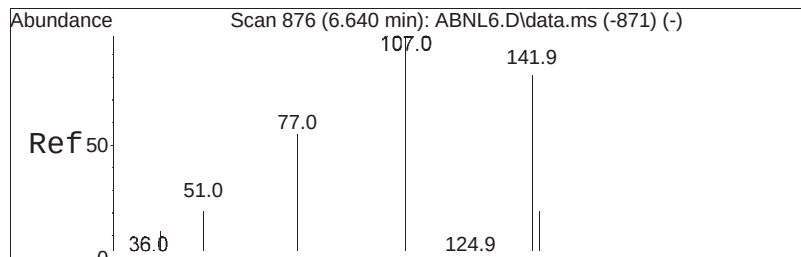
Ion Ratio Lower Upper

225 100

223 65.0 50.5 75.7

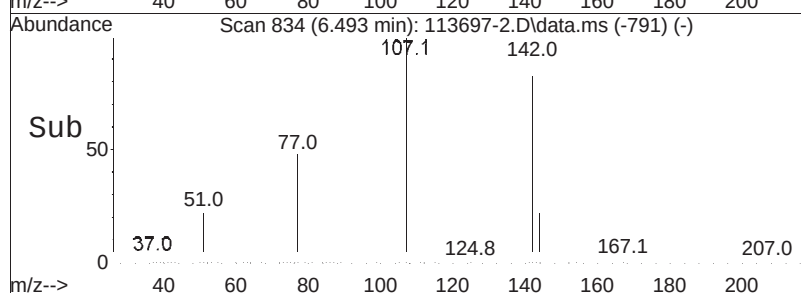
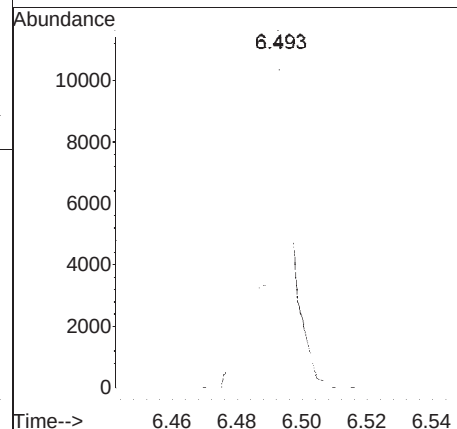
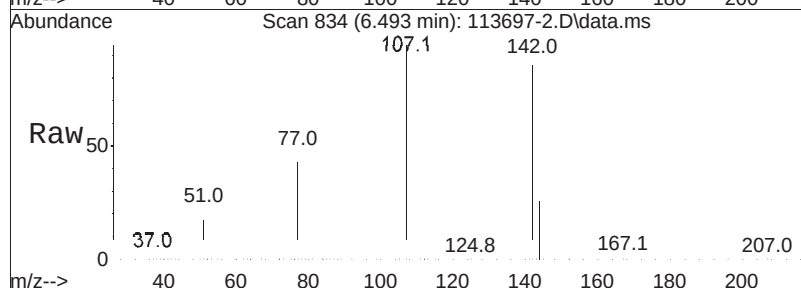
227 62.7 50.4 75.6

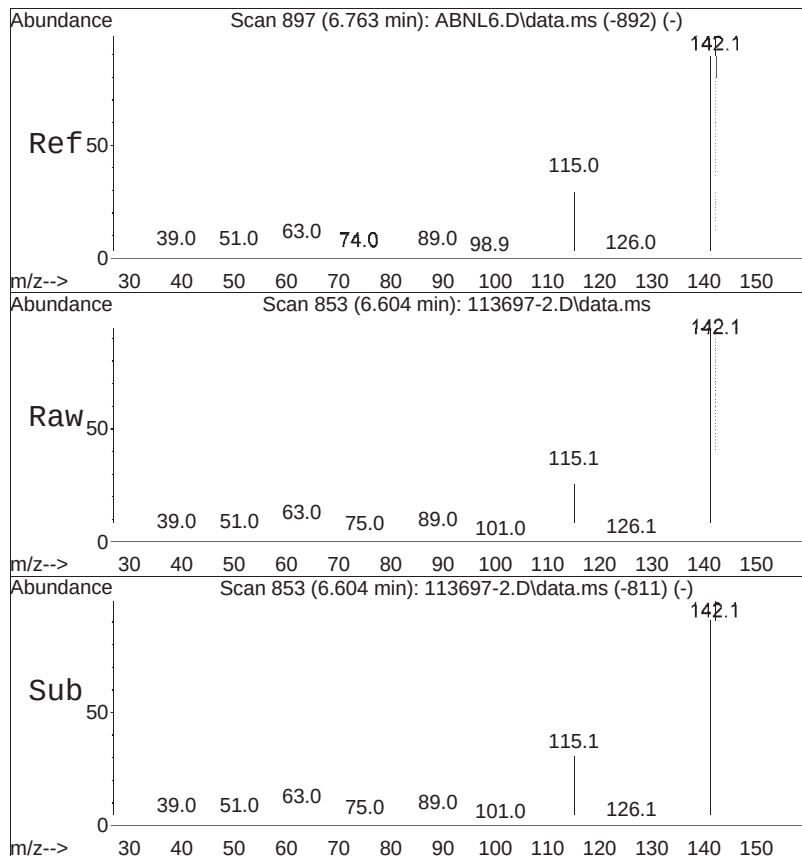




#40
 p-Chloro-m-cresol
 Concen: 1.67 ug/ml
 RT: 6.493 min Scan# 834
 Delta R.T. 0.006 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

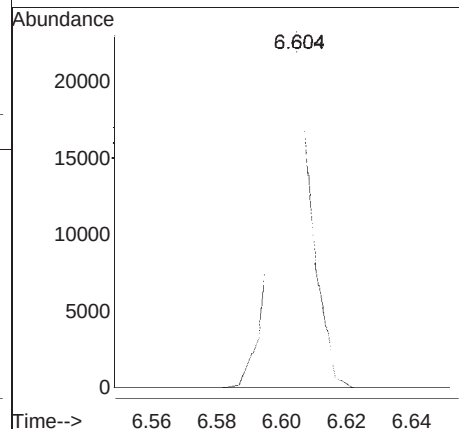
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	10212		
144	29.2		20.3	30.5
142	86.2		63.8	95.6

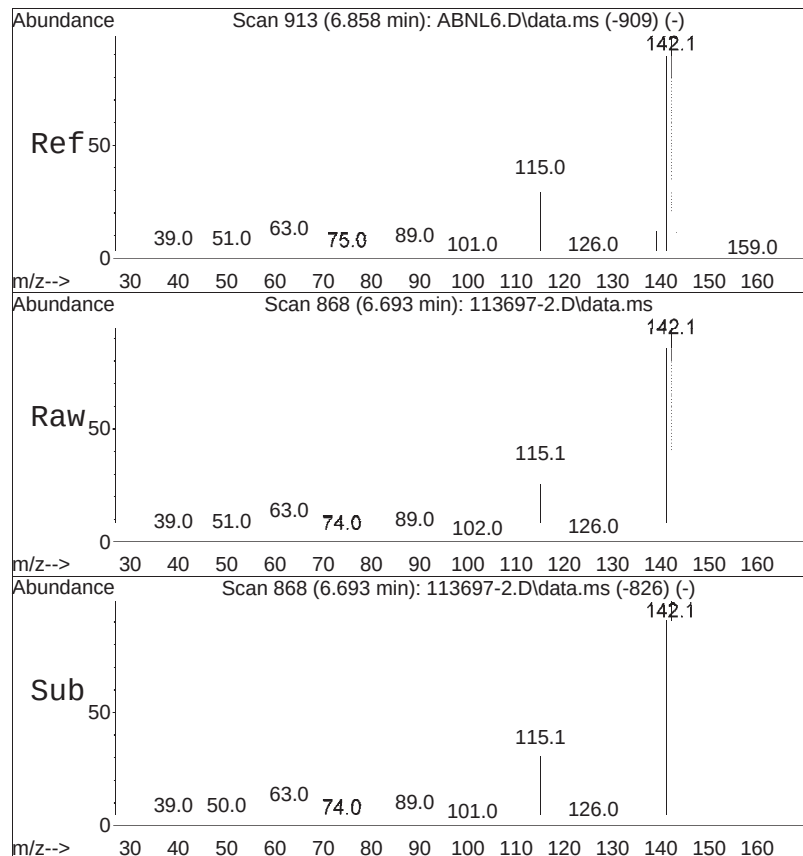




#41
 2-Methylnaphthalene
 Concen: 1.49 ug/ml
 RT: 6.604 min Scan# 853
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

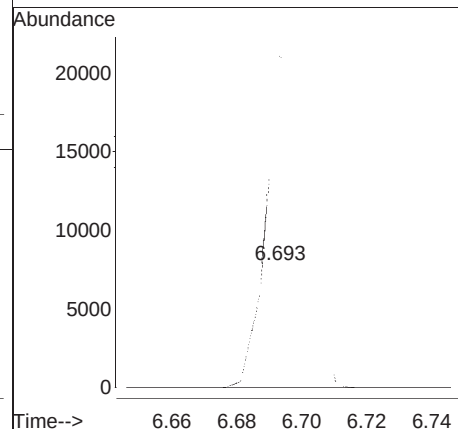
Tgt Ion:	142	Resp:	18558
Ion Ratio	Lower	Upper	
142	100		
141	94.6	72.2	108.4
115	32.7	27.8	41.6

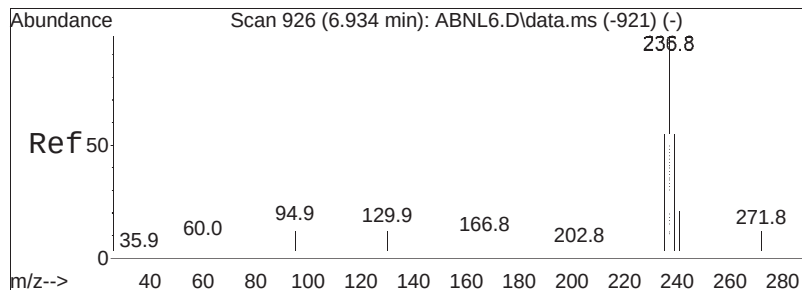




#42
 1-Methylnaphthalene
 Concen: 1.35 ug/ml
 RT: 6.693 min Scan# 868
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion:	115	Resp:	6752
Ion Ratio	Lower	Upper	
115	100		
141	275.9	205.4	308.2
142	294.1	220.2	330.4





#43

Hexachlorocyclopentadiene

Concen: 1.31 ug/ml

RT: 6.775 min Scan# 882

Delta R.T. -0.000 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

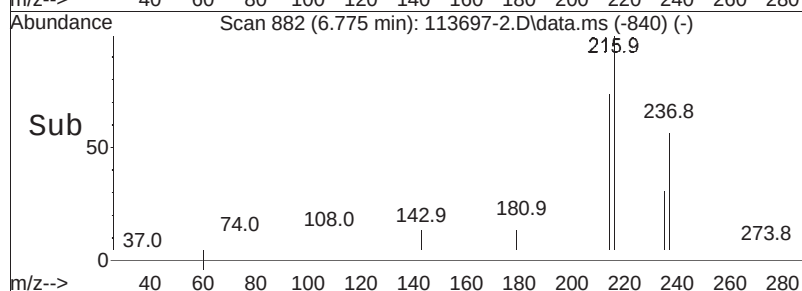
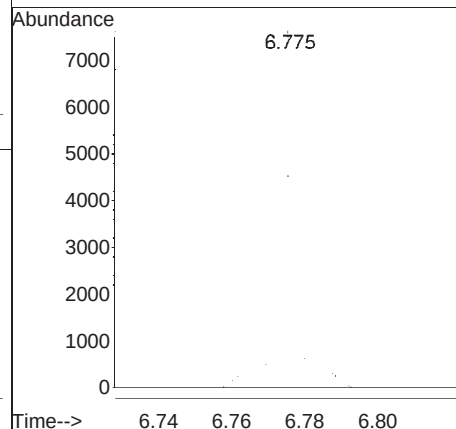
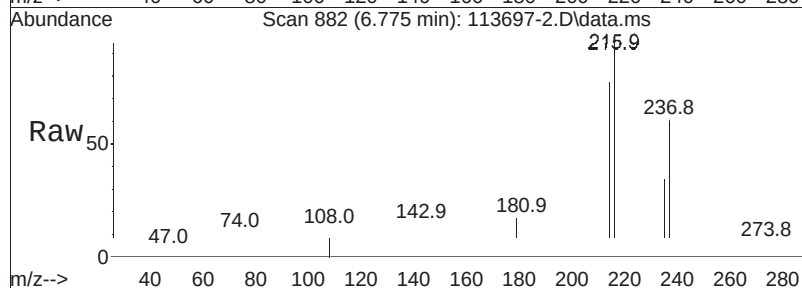
Tgt Ion: 237 Resp: 5663

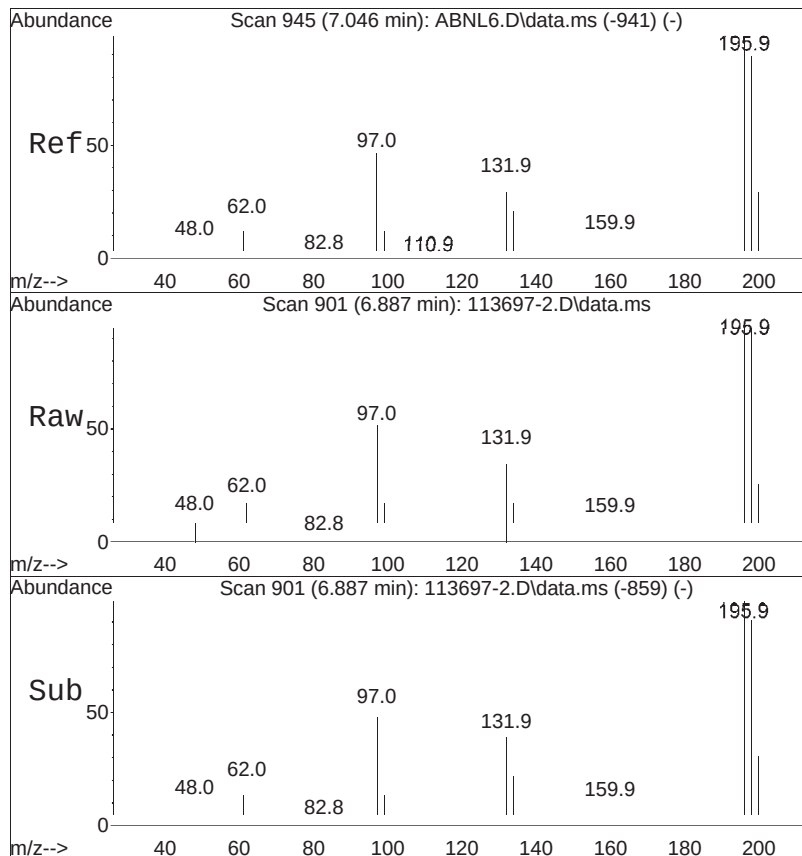
Ion Ratio Lower Upper

237 100

235 66.3 50.9 76.3

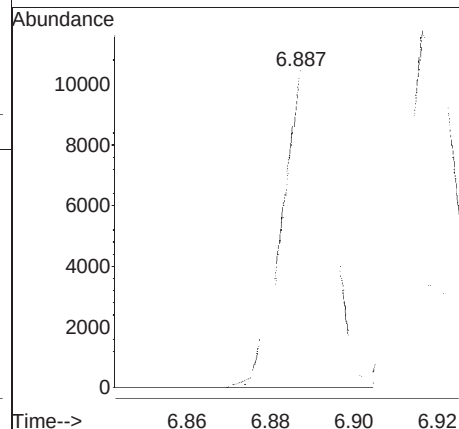
272 12.3 10.1 15.1

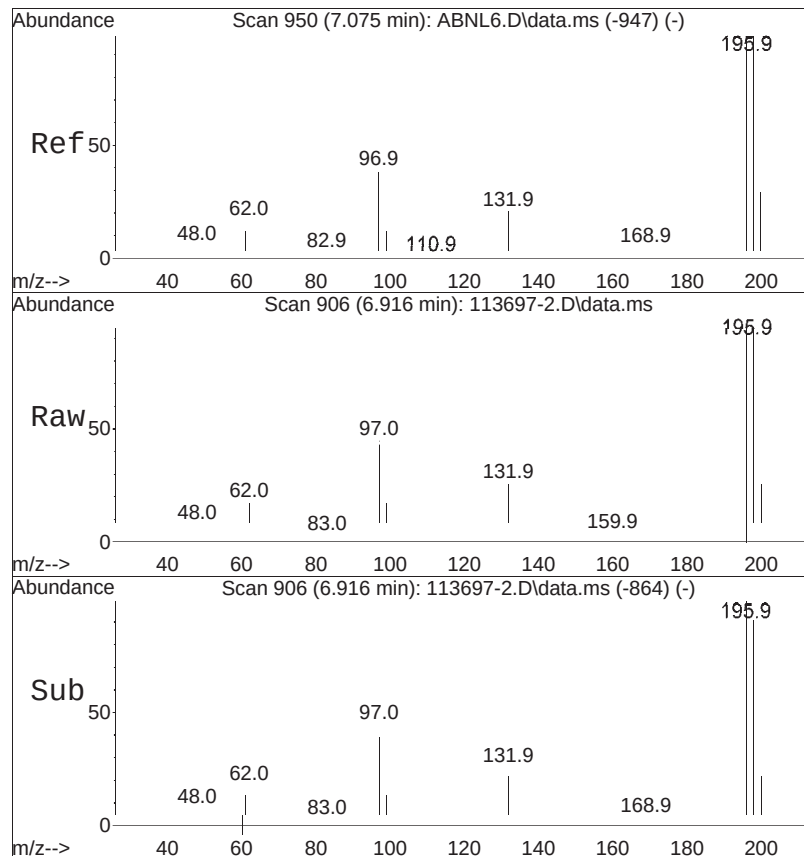




#44
 2,4,6-Trichlorophenol
 Concen: 1.61 ug/ml
 RT: 6.887 min Scan# 901
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

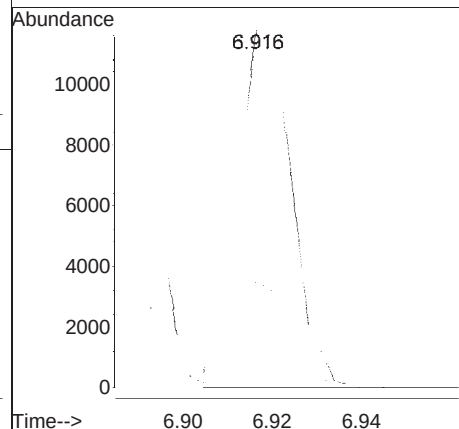
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	8714		
198	97.4		76.4	114.6
200	32.0		24.4	36.6

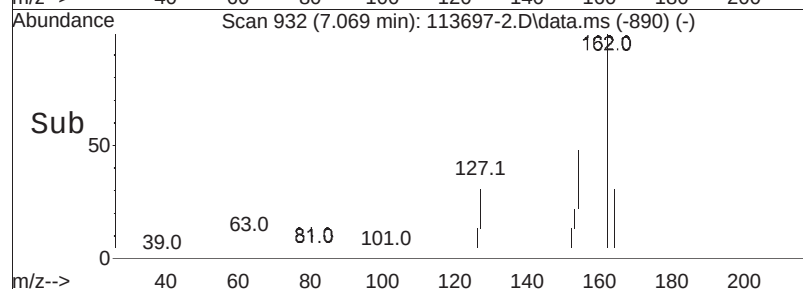
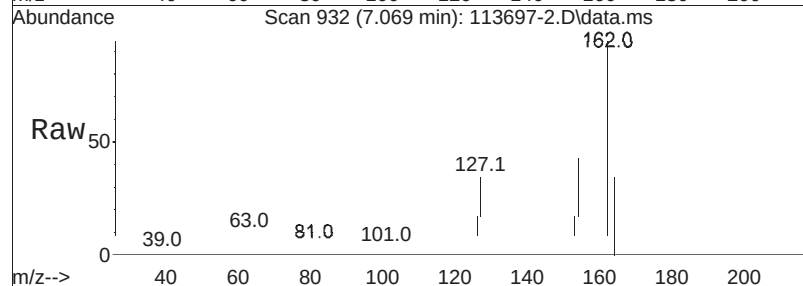
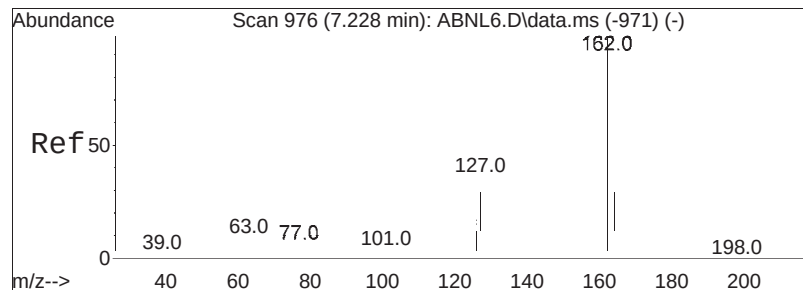




#45
 2,4,5-Trichlorophenol
 Concen: 1.76 ug/ml M3
 RT: 6.916 min Scan# 906
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

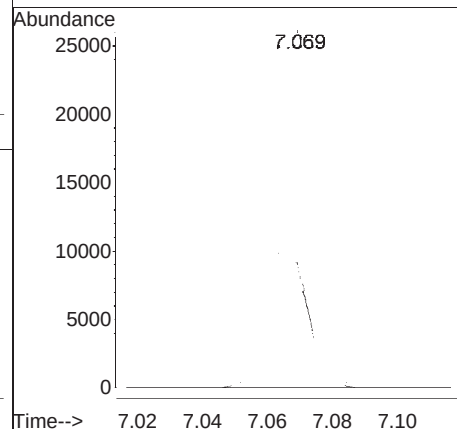
Tgt Ion:	196	Resp:	9816
Ion Ratio	Lower	Upper	
196	100		
200	28.4	24.2	36.4
198	86.4	76.2	114.2

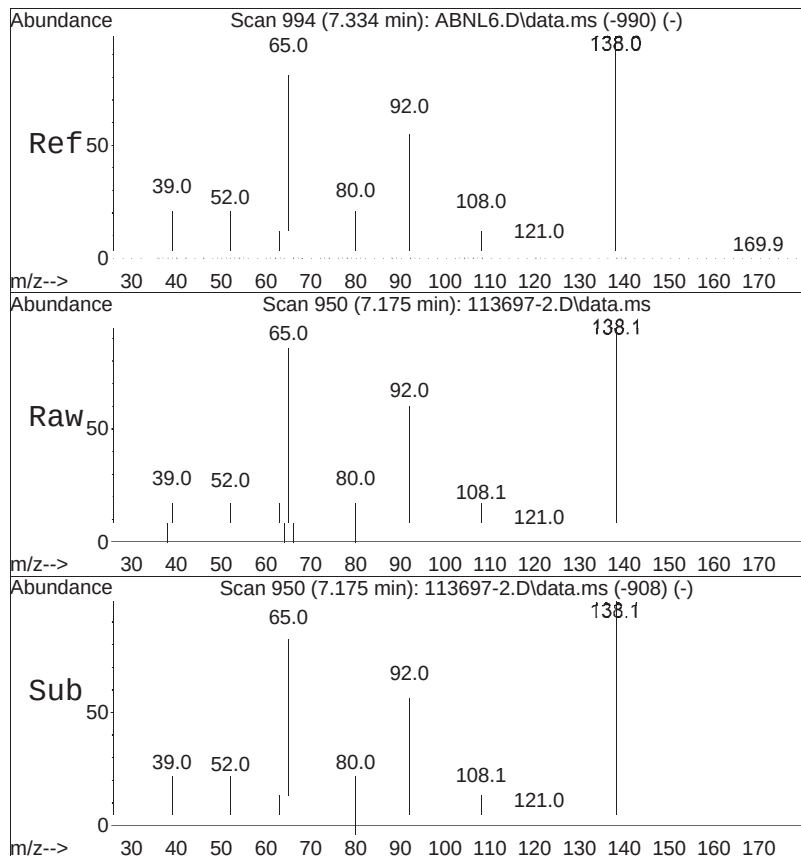




#47
 2-Chloronaphthalene
 Concen: 1.54 ug/ml
 RT: 7.069 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

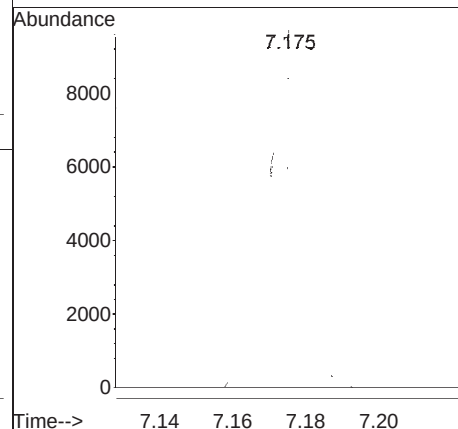
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	22387		
127	39.3		33.8	50.6
164	33.3		25.8	38.6

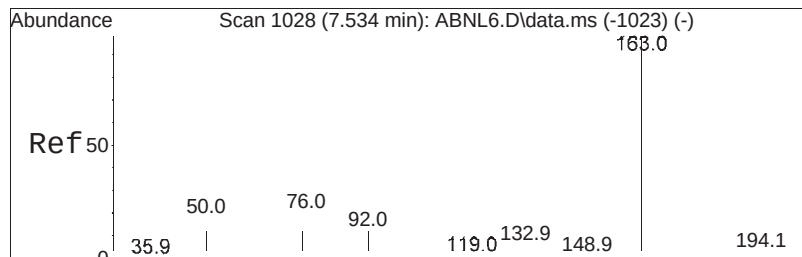




#48
 2-Nitroaniline
 Concen: 1.77 ug/ml
 RT: 7.175 min Scan# 950
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion:	138	Resp:	7440
Ion Ratio	Lower	Upper	
138	100		
92	62.7	52.1	78.1
65	90.3	75.9	113.9





#51

Dimethyl phthalate

Concen: 1.72 ug/ml

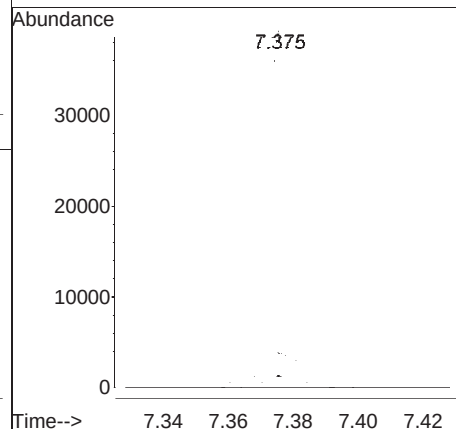
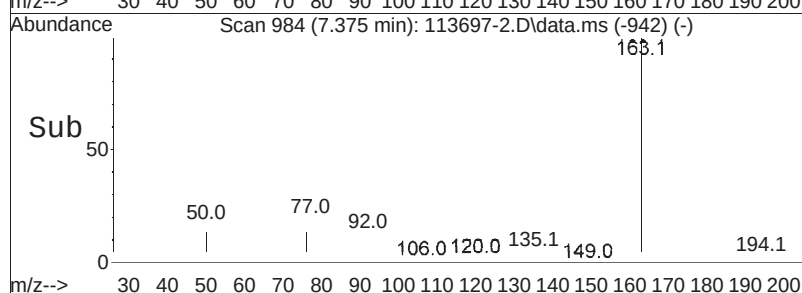
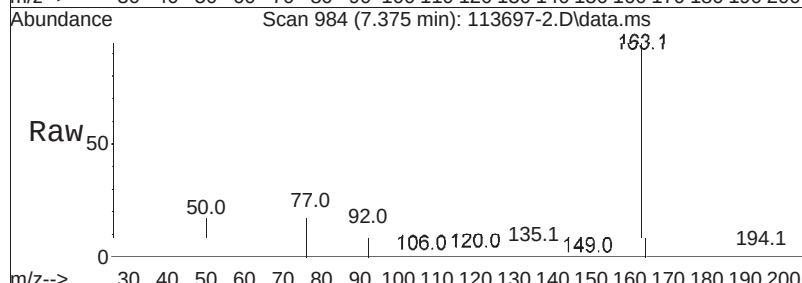
RT: 7.375 min Scan# 984

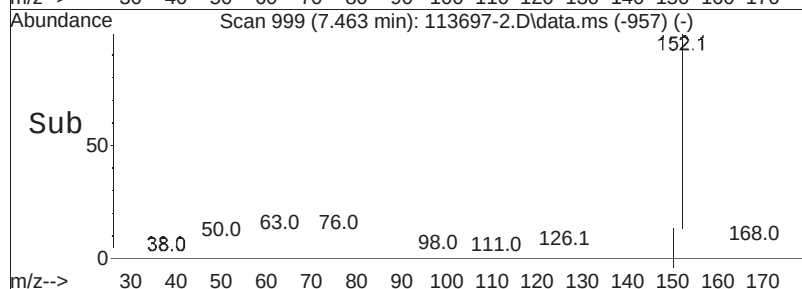
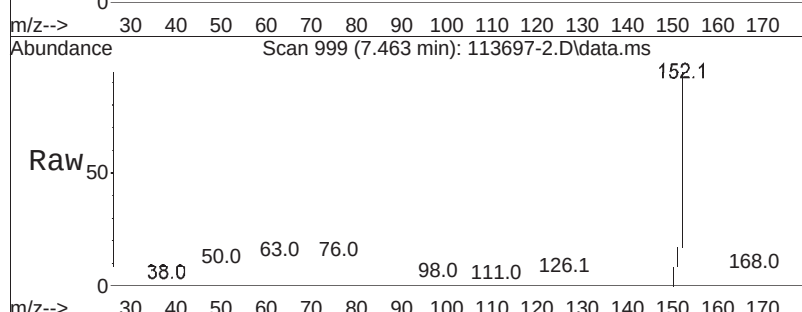
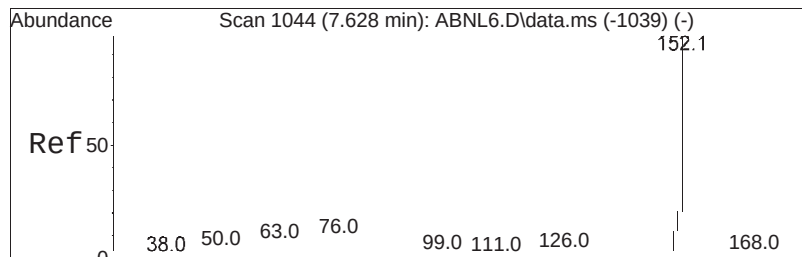
Delta R.T. -0.000 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

Tgt Ion:	163	Resp:	31766
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.3	3.5
164	10.1	8.2	12.2





#52

Acenaphthylene

Concen: 1.62 ug/ml

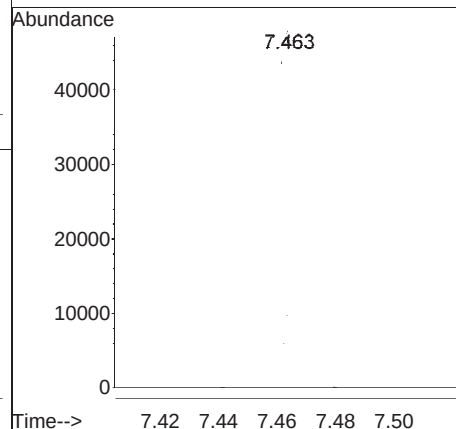
RT: 7.463 min Scan# 999

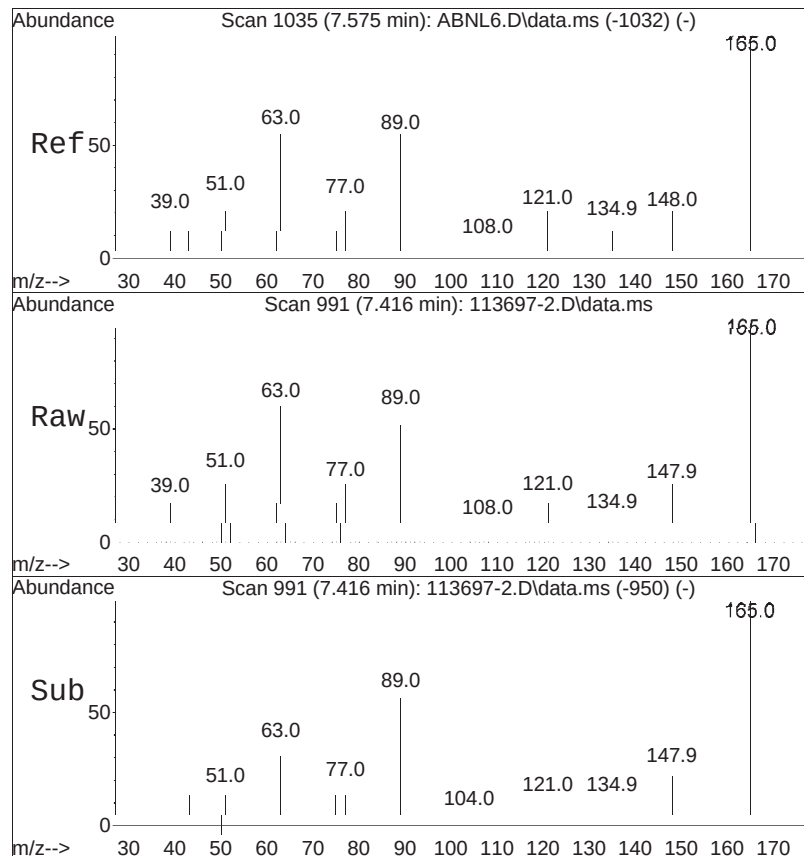
Delta R.T. -0.000 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

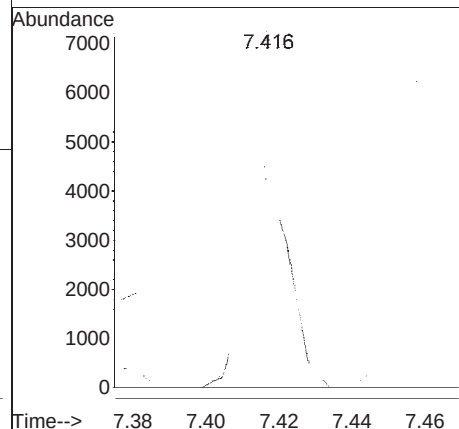
Tgt Ion:	152	Resp:	38503
Ion Ratio	Lower	Upper	
152	100		
151	20.8	15.9	23.9
153	13.1	10.5	15.7

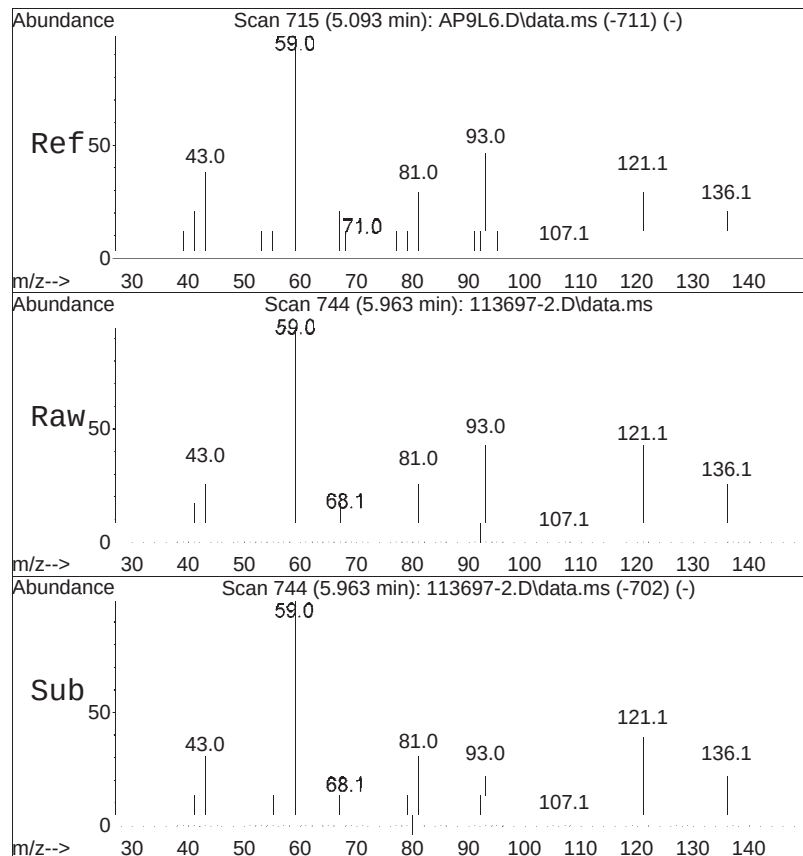




#53
 2,6-Dinitrotoluene
 Concen: 1.67 ug/ml
 RT: 7.416 min Scan# 991
 Delta R.T. -0.006 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

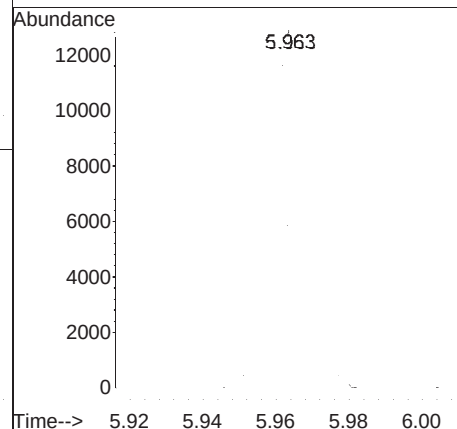
Tgt Ion	Ratio	Lower	Upper
165	100		
89	55.8	48.8	73.2
63	58.3	50.5	75.7

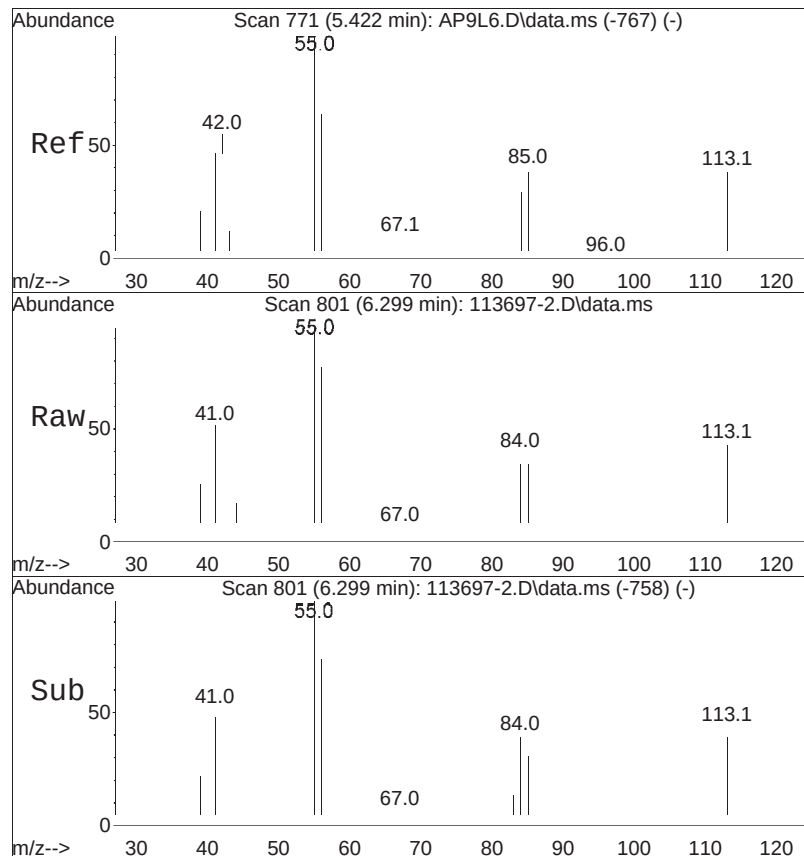




#56
a-Terpineol
Concen: 1.72 ug/ml
RT: 5.963 min Scan# 744
Delta R.T. -0.000 min
Lab File: 113697-2.D
Acq: 12 Sep 2025 03:40 am

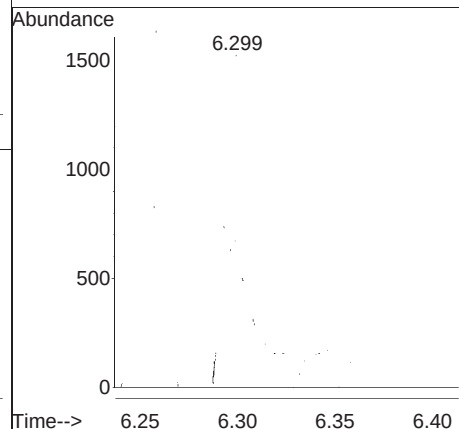
Tgt Ion	Ratio	Lower	Upper
59	100		
93	49.0	43.5	65.3

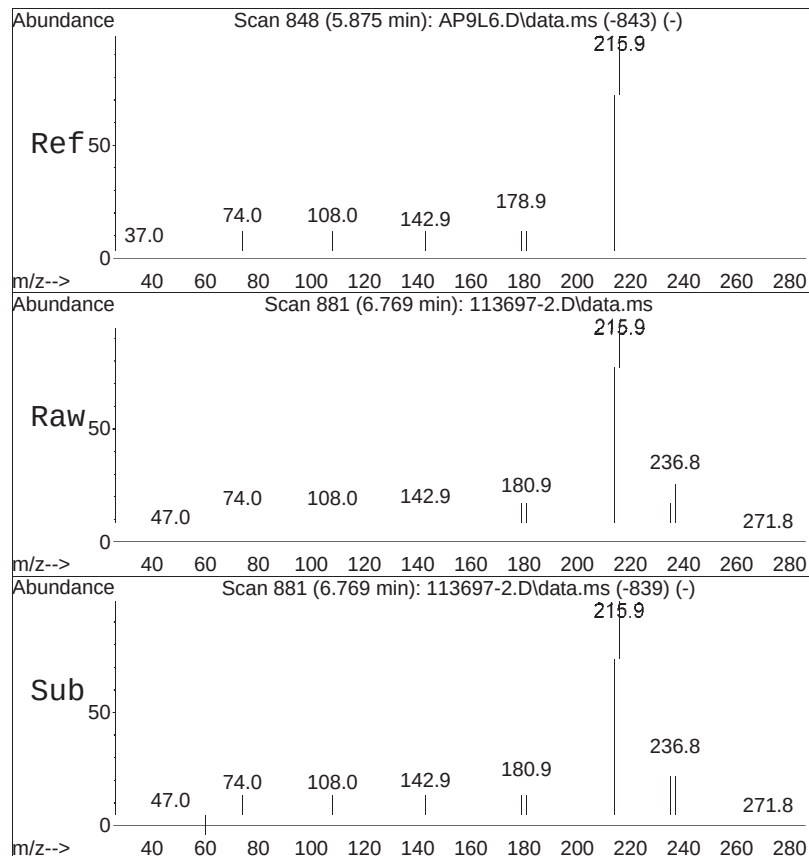




#60
 Caprolactam
 Concen: 0.63 ug/ml
 RT: 6.299 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

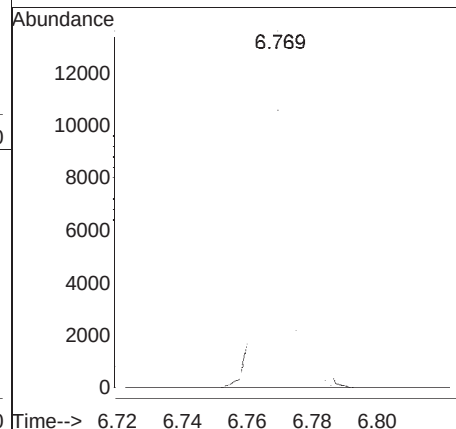
Tgt	Ion: 55	Resp:	2064
Ion	Ratio	Lower	Upper
55	100		
85	42.1	35.2	52.8
113	39.3	36.6	55.0

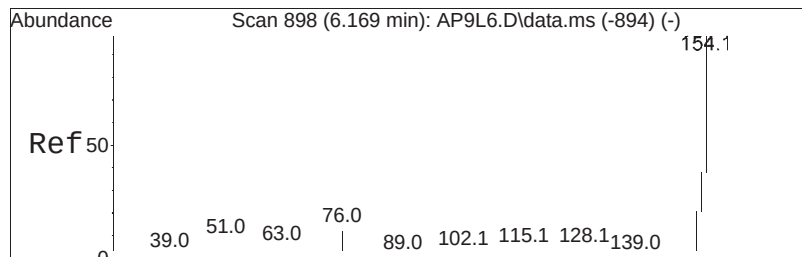




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.44 ug/ml
 RT: 6.769 min Scan# 881
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.2	64.0	96.0
179	18.8	18.7	28.1





#62

Biphenyl

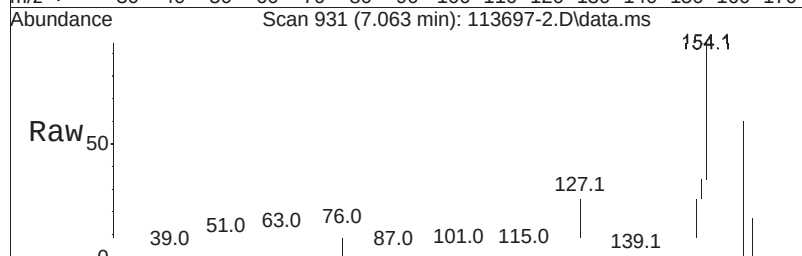
Concen: 1.60 ug/ml

RT: 7.063 min Scan# 931

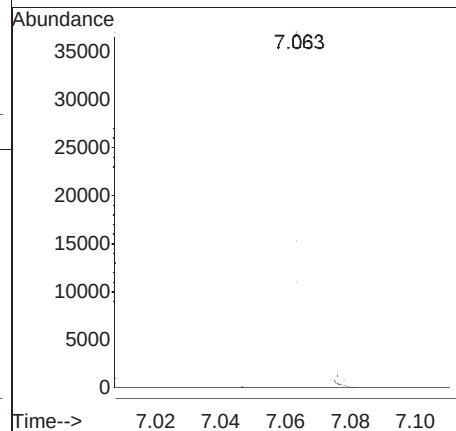
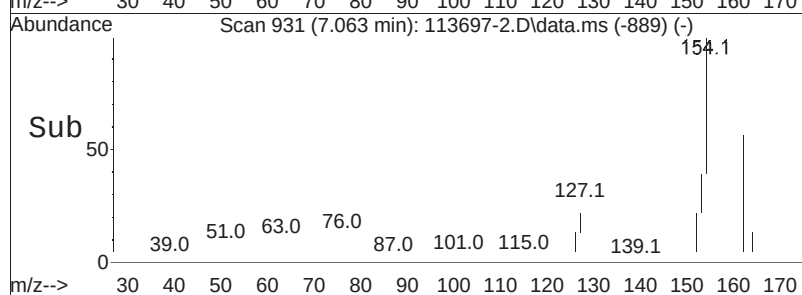
Delta R.T. -0.000 min

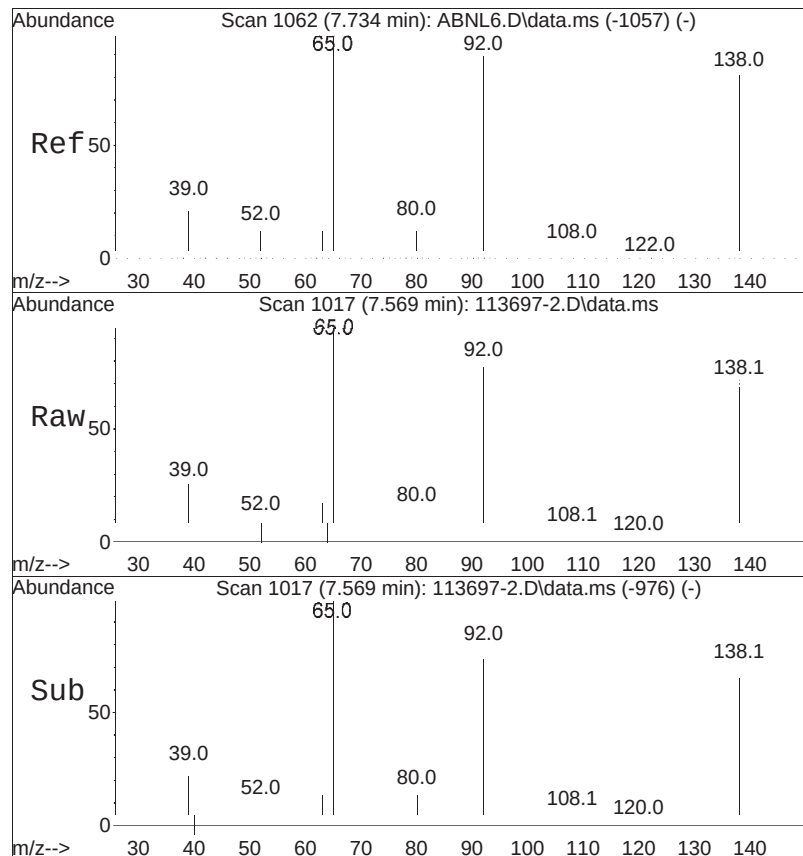
Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am



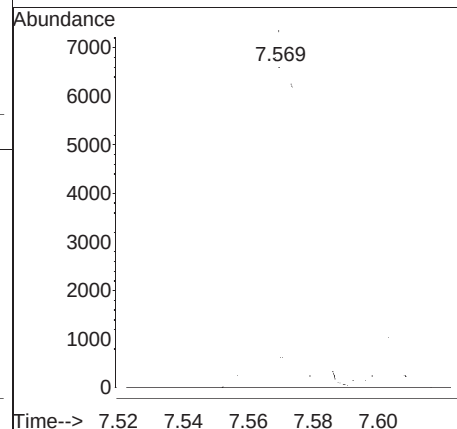
Tgt Ion:	154	Resp:	28996
Ion Ratio	Lower	Upper	
154	100		
153	40.4	32.5	48.7
152	28.9	22.6	34.0

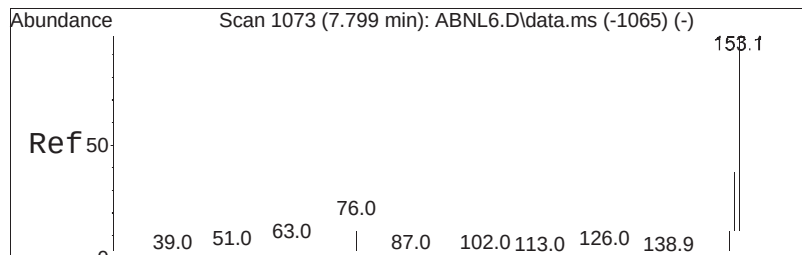




#64
 3-Nitroaniline
 Concen: 1.55 ug/ml
 RT: 7.569 min Scan# 1017
 Delta R.T. -0.006 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

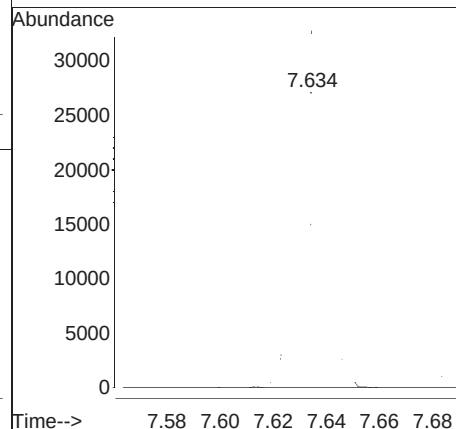
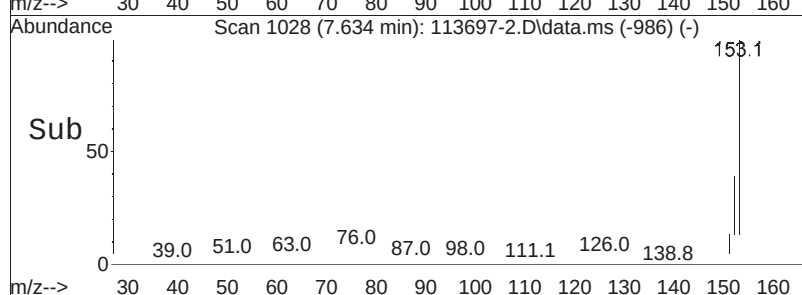
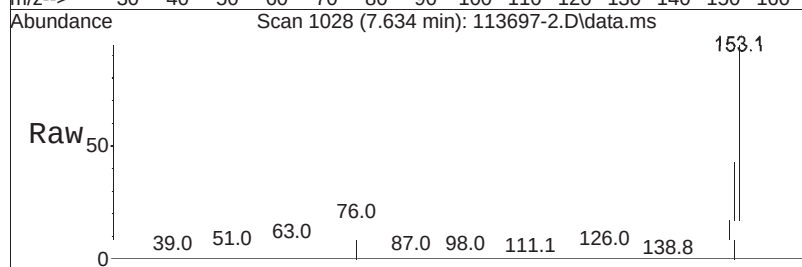
Tgt Ion:	138	Resp:	5889
Ion Ratio	Lower	Upper	
138	100		
92	103.7	92.8	139.2
108	8.6	7.9	11.9

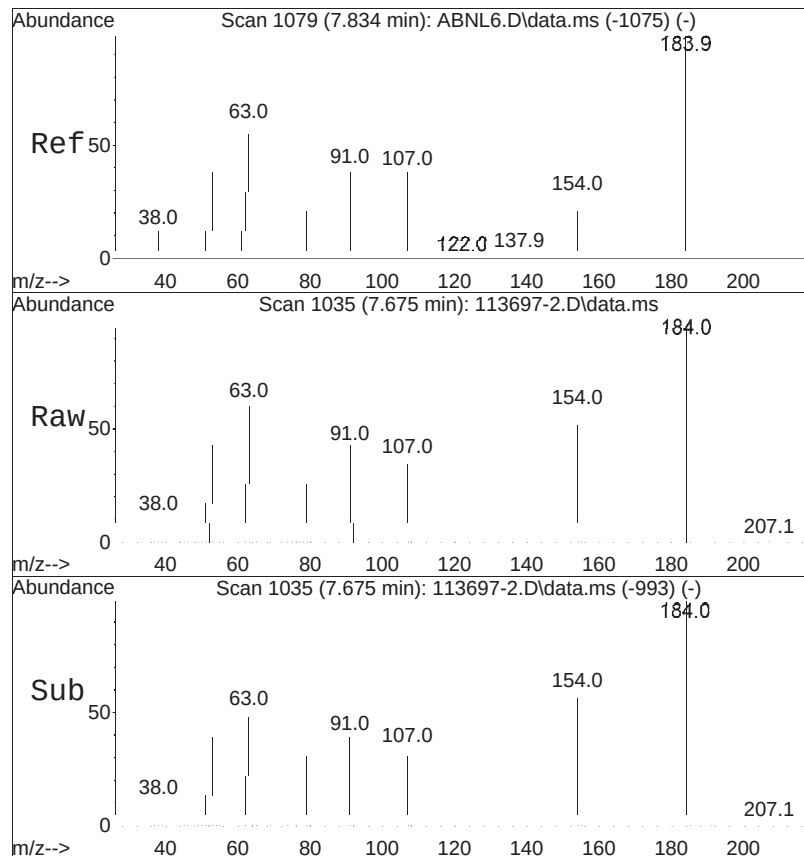




#65
 Acenaphthene
 Concen: 1.60 ug/ml
 RT: 7.634 min Scan# 1028
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

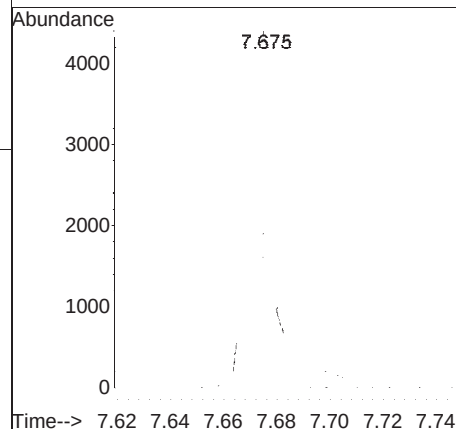
Tgt Ion:	154	Resp:	21280
Ion Ratio	Lower	Upper	
154	100		
153	121.4	93.0	139.4
152	55.3	43.3	64.9

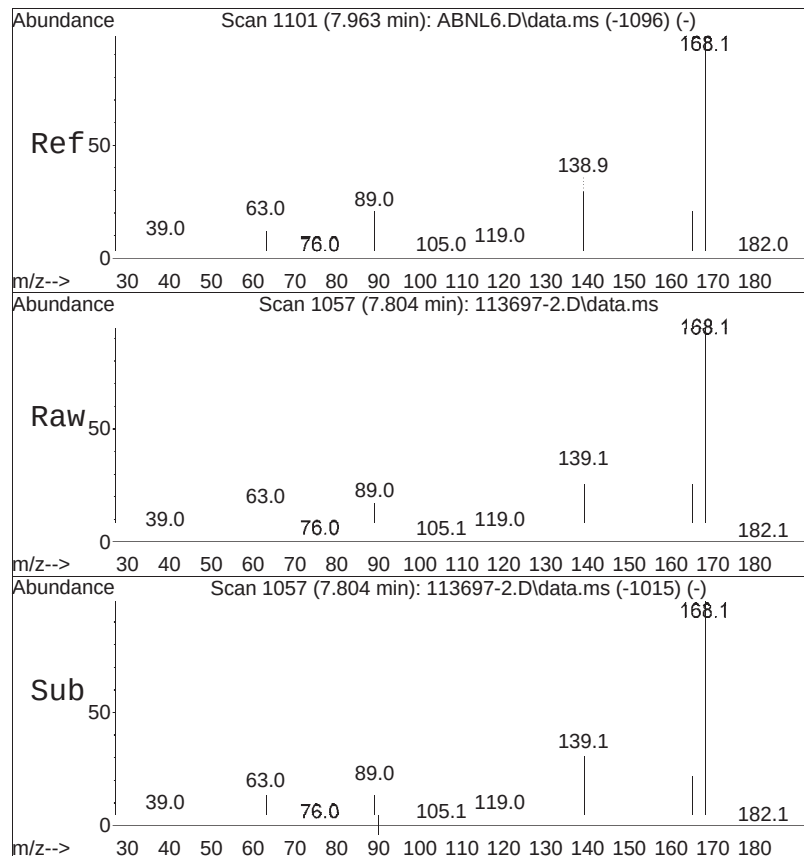




#66
 2,4-Dinitrophenol
 Concen: 2.19 ug/ml
 RT: 7.675 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

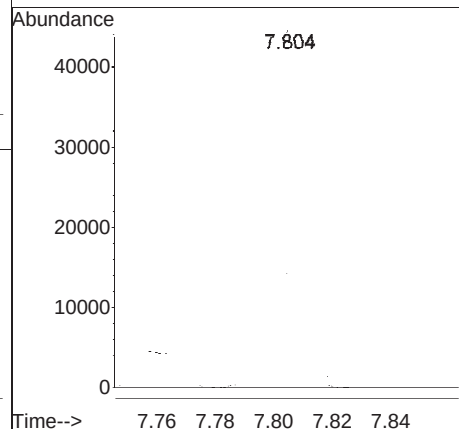
Tgt Ion	Ratio	Lower	Upper
184	100		
107	39.3	41.8	62.6#
91	48.6	44.2	66.2

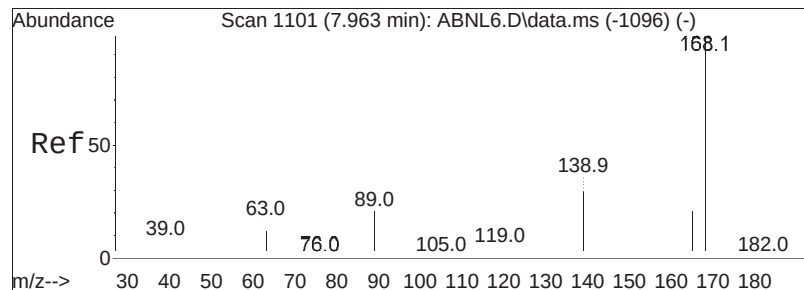




#67
 Dibenzofuran
 Concen: 1.67 ug/ml
 RT: 7.804 min Scan# 1057
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

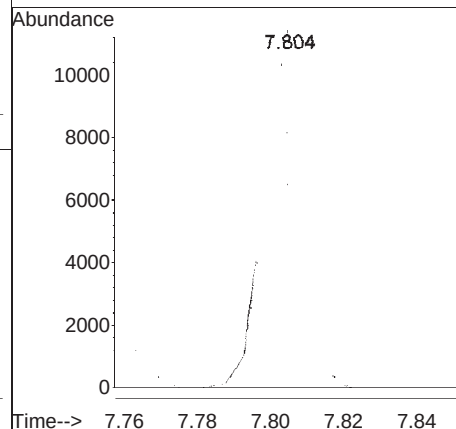
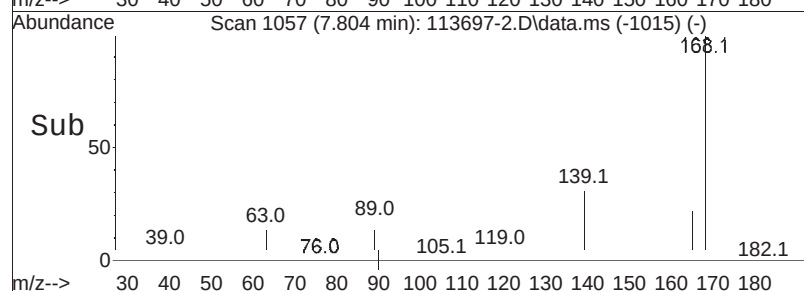
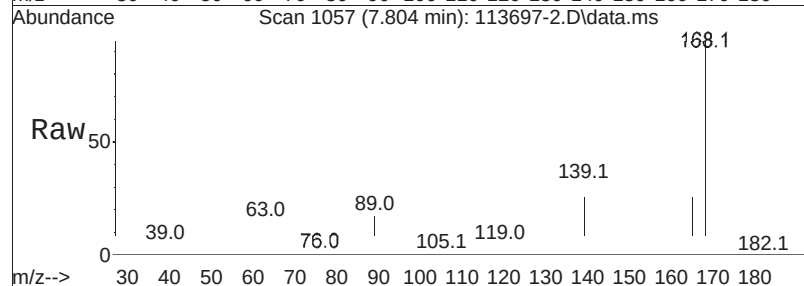
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.0	32.3	48.5

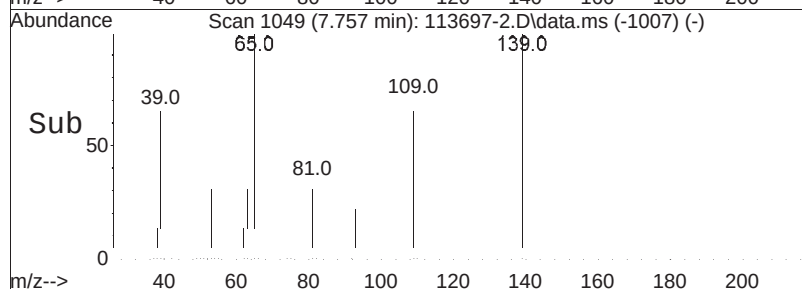
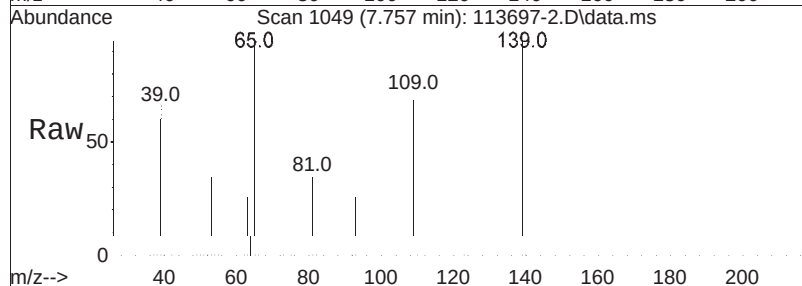
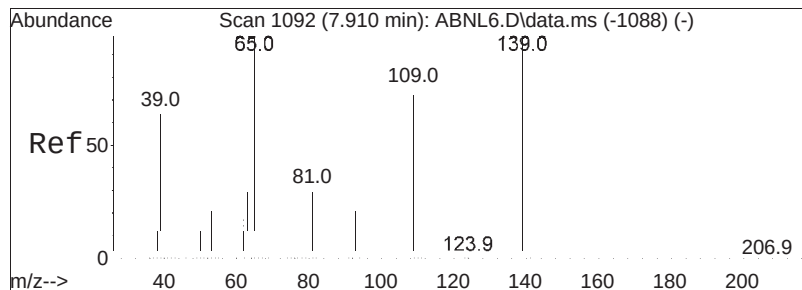




#68
 2,4-Dinitrotoluene
 Concen: 1.77 ug/ml
 RT: 7.804 min Scan# 1057
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

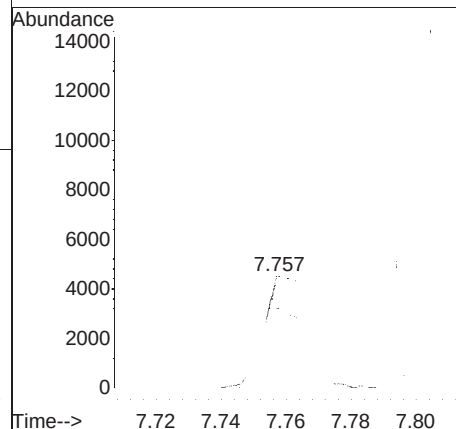
Tgt Ion:	165	Resp:	8756
Ion Ratio	Lower	Upper	
165	100		
89	77.2	73.0	109.4
63	65.3	56.3	84.5

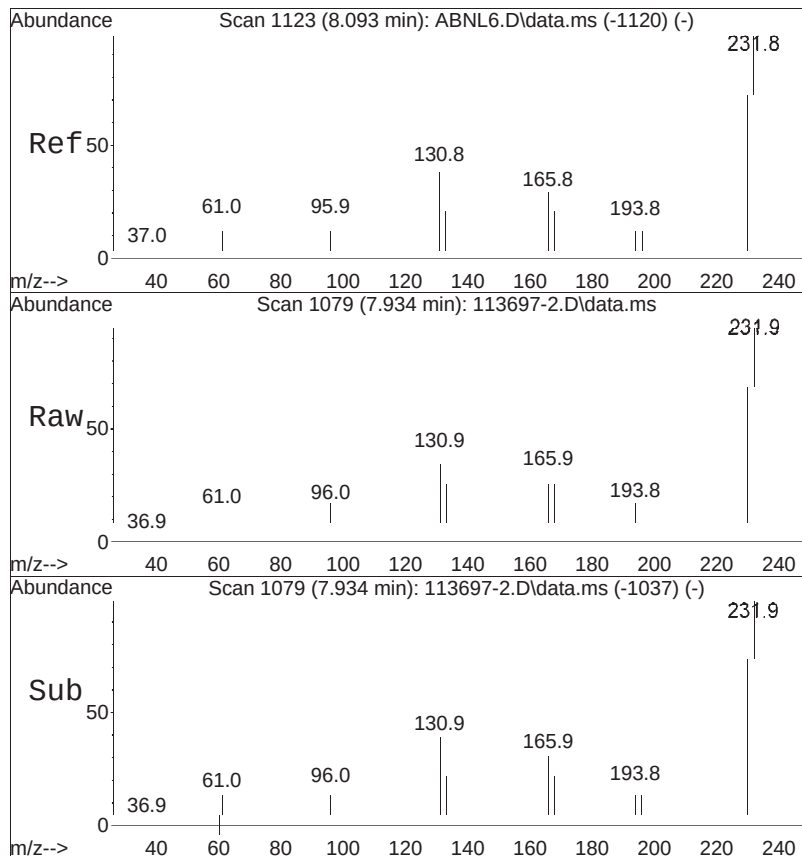




#69
 4-Nitrophenol
 Concen: 1.28 ug/ml
 RT: 7.757 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

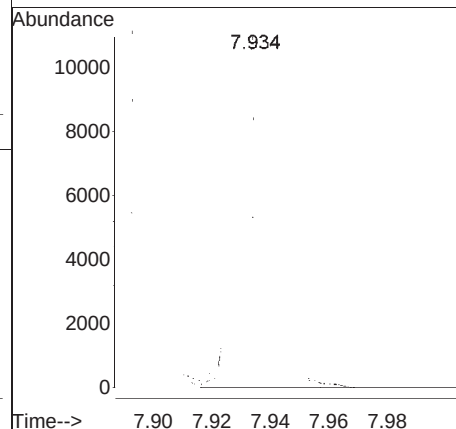
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	3895		
109	71.8		60.2	90.2
139	105.2		81.1	121.7

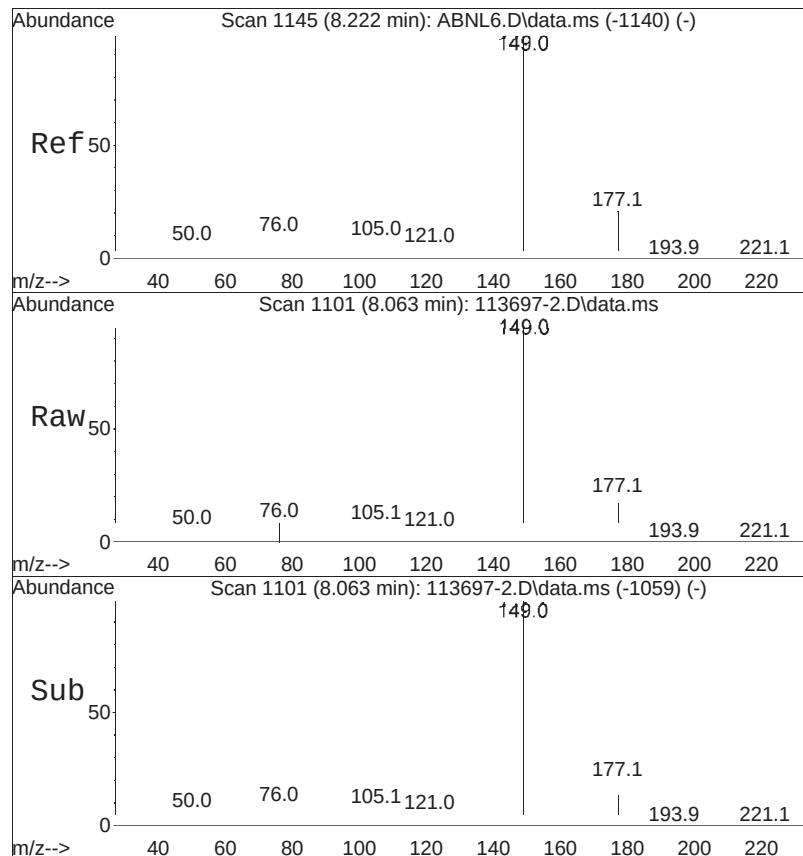




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 1.75 ug/ml
 RT: 7.934 min Scan# 1079
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

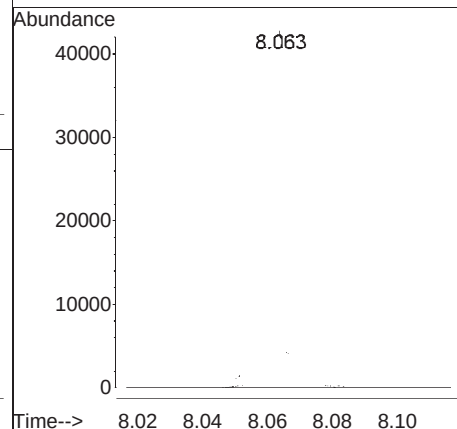
Tgt Ion:	232	Resp:	9030
Ion Ratio	Lower	Upper	
232	100		
230	77.3	63.8	95.8
234	48.0	39.0	58.6

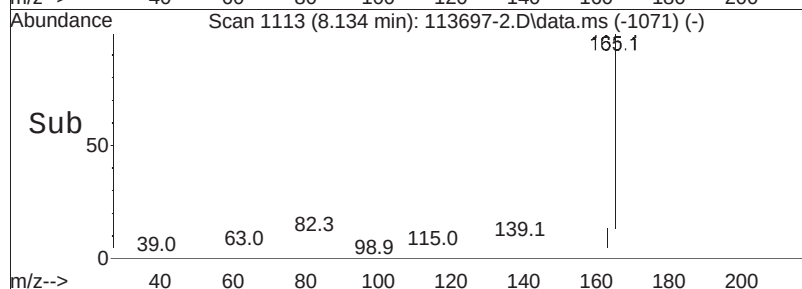
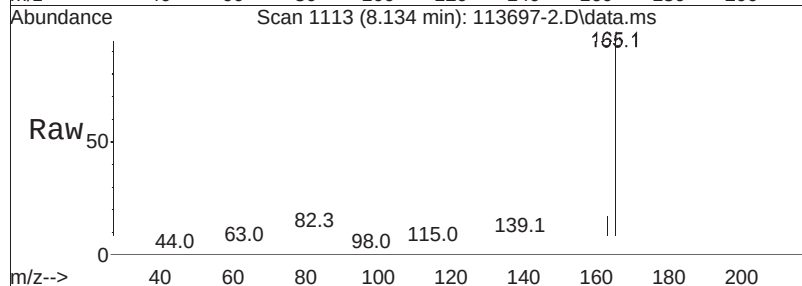
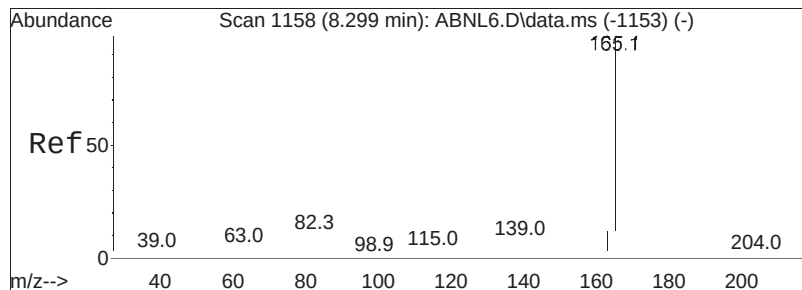




#72
 Diethyl phthalate
 Concen: 1.70 ug/ml
 RT: 8.063 min Scan# 1101
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion:	149	Resp:	32050
Ion Ratio	Lower	Upper	
149	100		
177	21.5	15.0	22.6
150	12.0	9.8	14.6





#73

Fluorene

Concen: 1.68 ug/ml

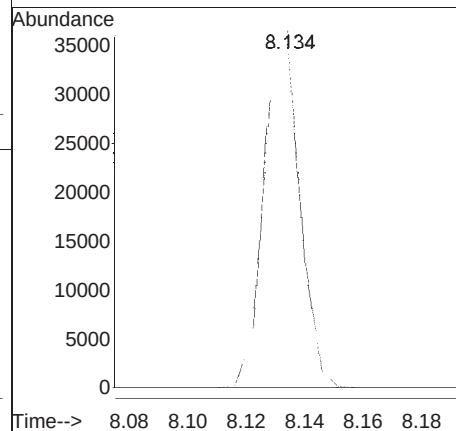
RT: 8.134 min Scan# 1113

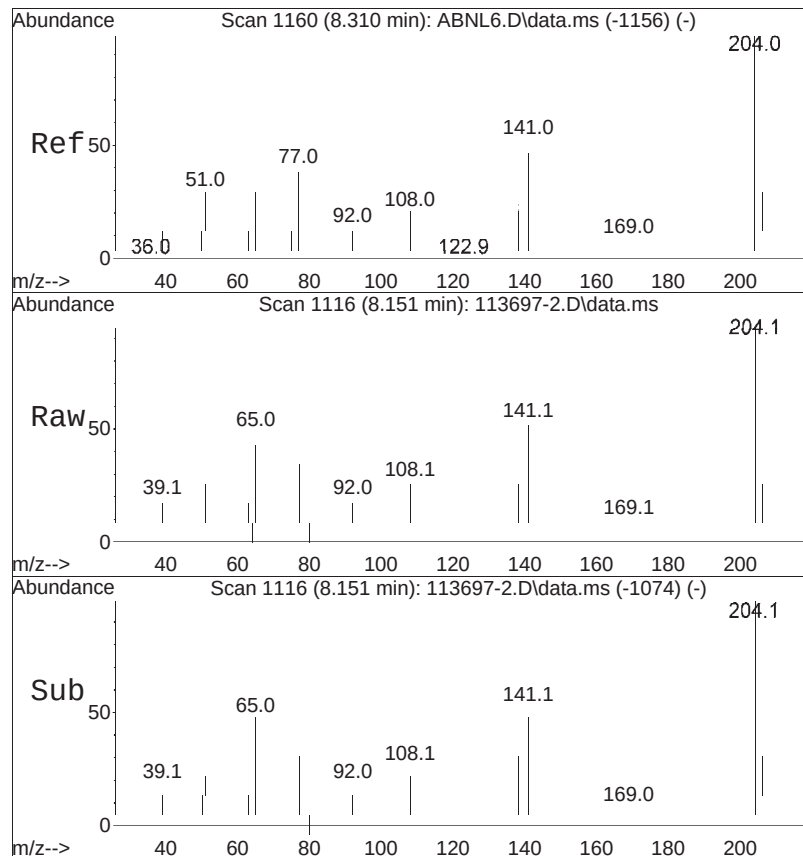
Delta R.T. -0.000 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

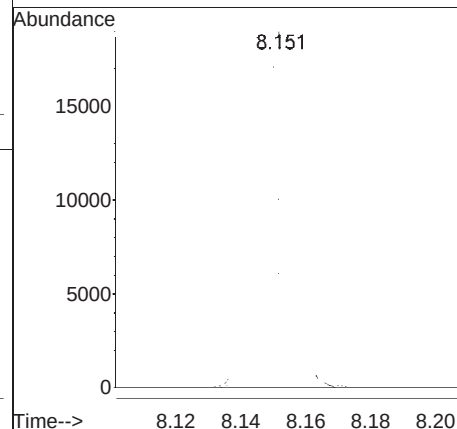
Tgt	Ion:166	Resp:	30118
Ion	Ratio	Lower	Upper
166	100		
165	103.3	80.0	120.0
167	13.4	10.7	16.1

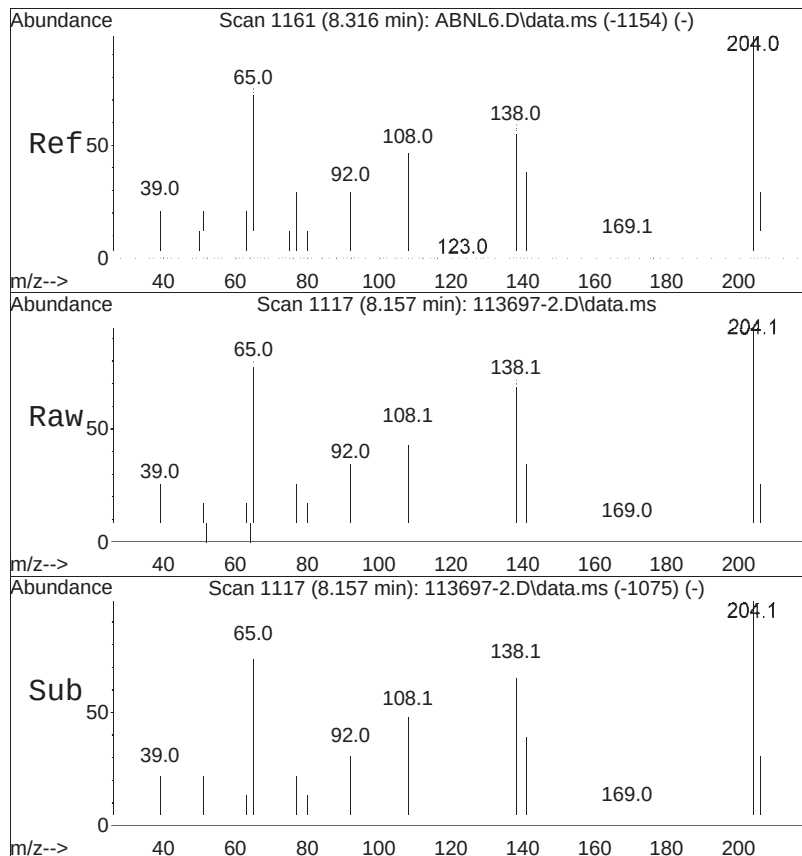




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.65 ug/ml
 RT: 8.151 min Scan# 1116
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

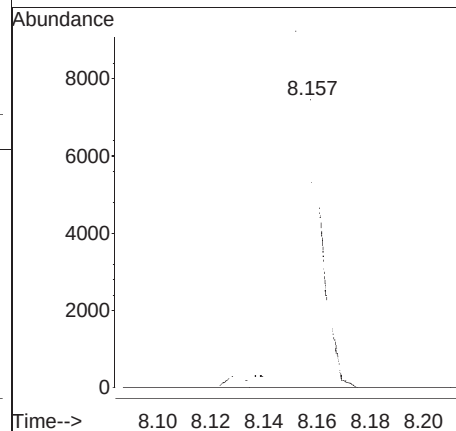
Tgt Ion:	204	Resp:	15570
Ion Ratio	Lower	Upper	
204	100		
206	31.0	26.3	39.5
141	51.0	58.4	87.6#

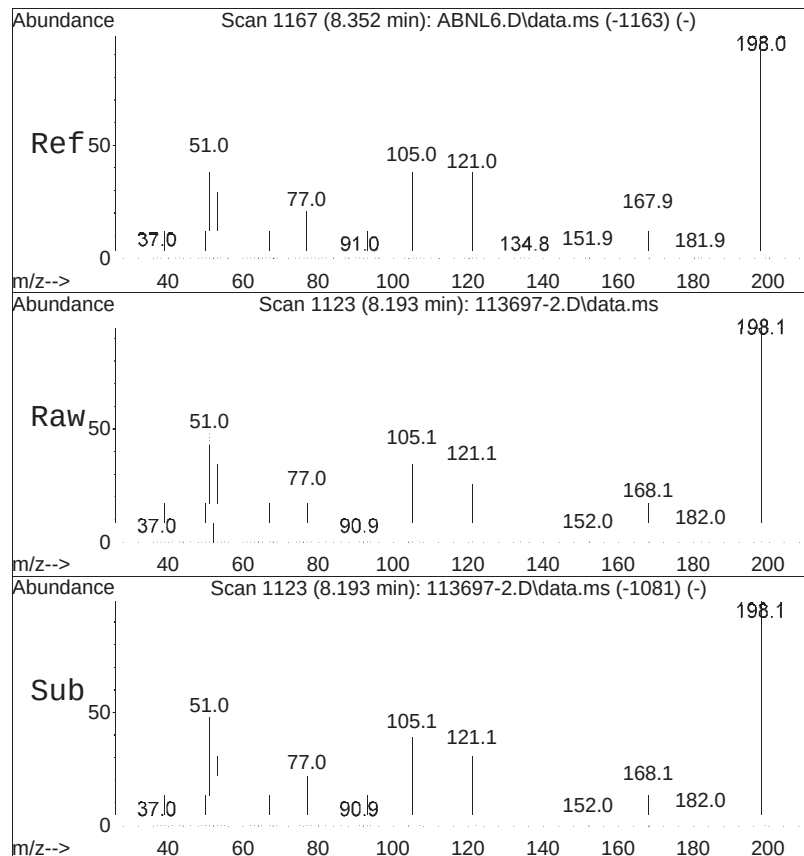




#75
 4-Nitroaniline
 Concen: 1.74 ug/ml
 RT: 8.157 min Scan# 1117
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

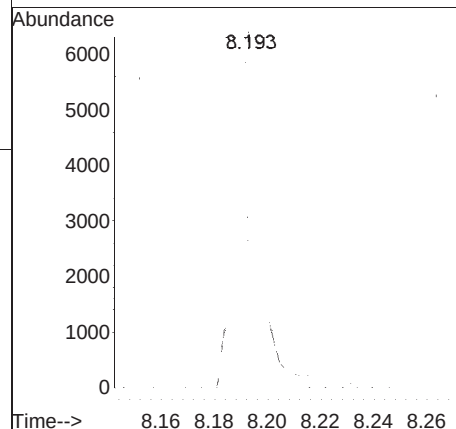
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	6795		
108	71.7		59.2	88.8
65	126.2		97.6	146.4

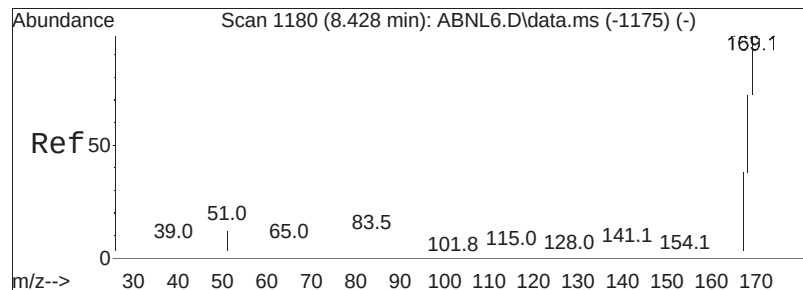




#76
 4,6-Dinitro-o-cresol
 Concen: 2.00 ug/ml
 RT: 8.193 min Scan# 1123
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion	Ratio	Lower	Upper
198	100		
51	50.1	49.9	74.9
105	40.6	45.8	68.6





#77

NDPA/DPA

Concen: 1.73 ug/ml

RT: 8.263 min Scan# 1135

Delta R.T. -0.000 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

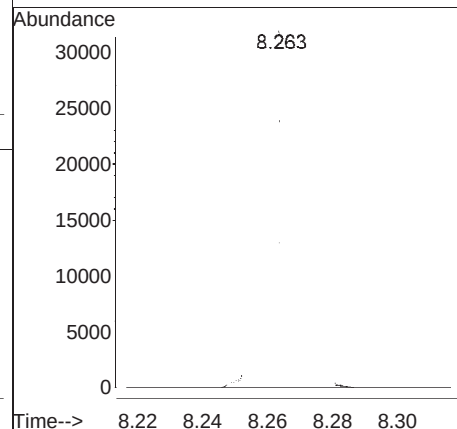
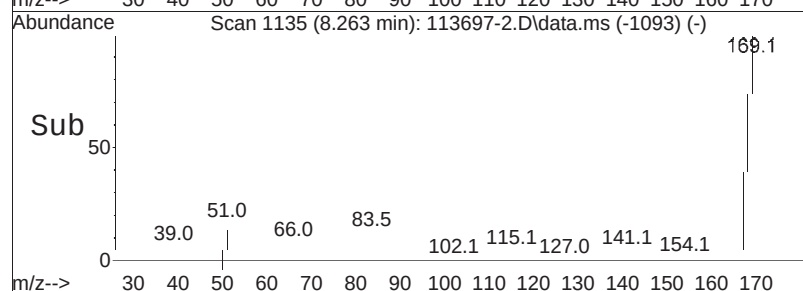
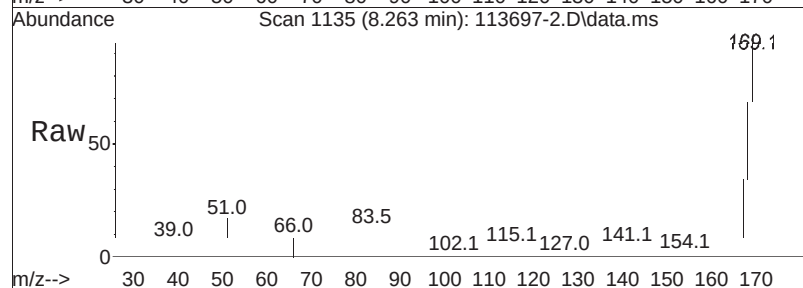
Tgt Ion:169 Resp: 25987

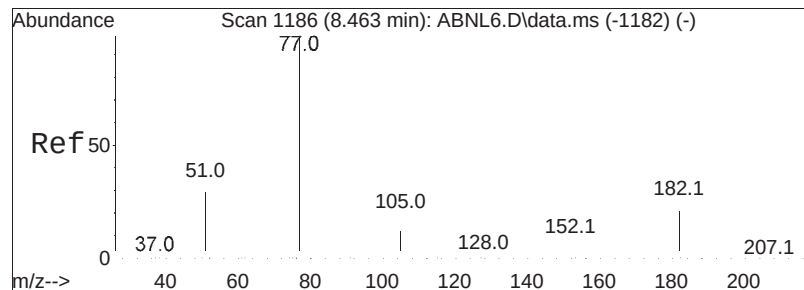
Ion Ratio Lower Upper

169 100

168 74.0 55.2 82.8

167 40.3 30.4 45.6





#78

Azobenzene

Concen: 1.58 ug/ml

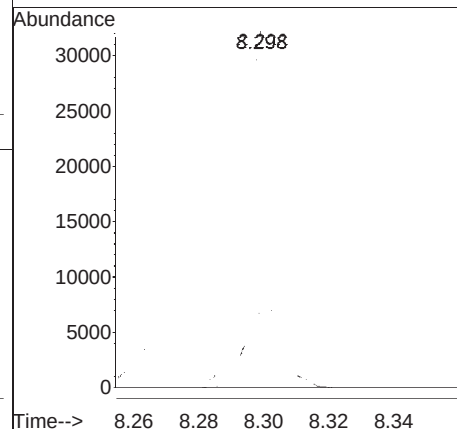
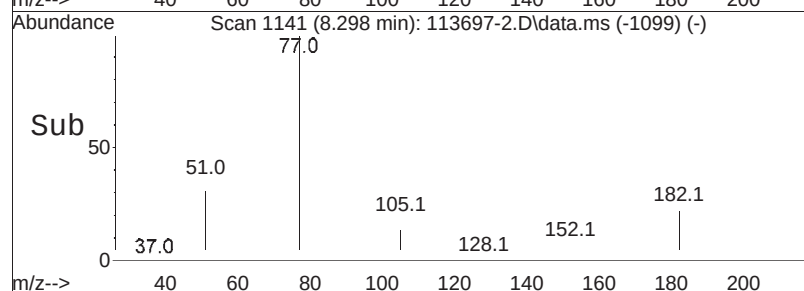
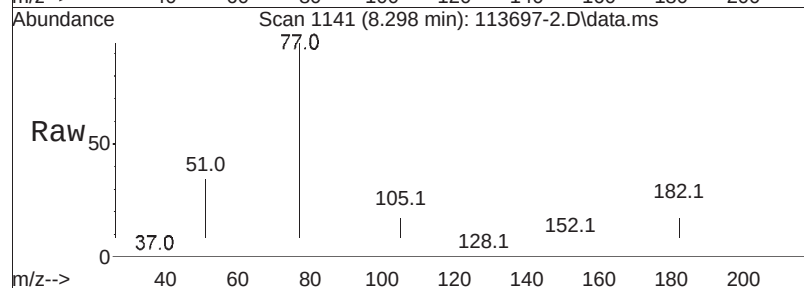
RT: 8.298 min Scan# 1141

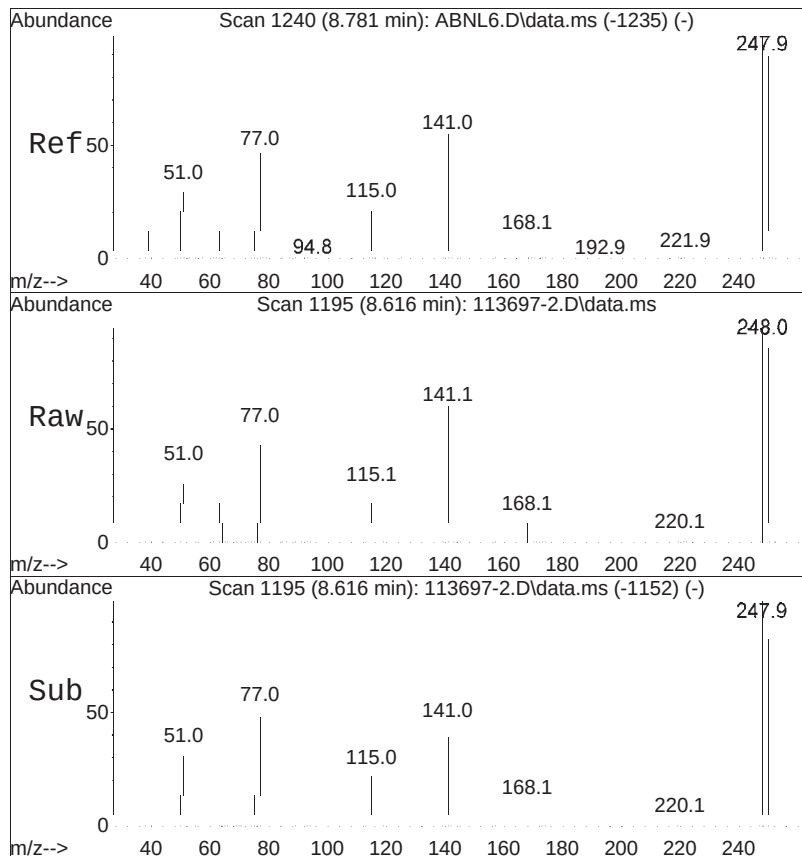
Delta R.T. -0.000 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

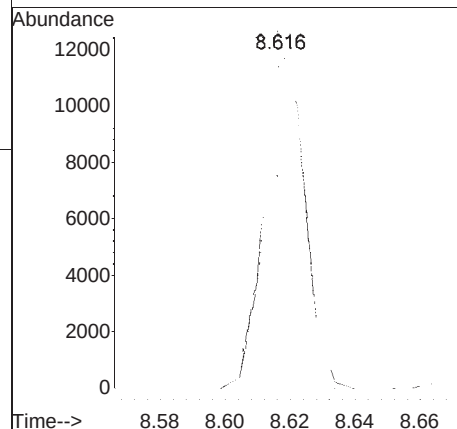
Tgt Ion:	77	Resp:	26167
Ion Ratio	Lower	Upper	
77	100		
182	25.8	16.2	24.2#
105	22.3	17.9	26.9

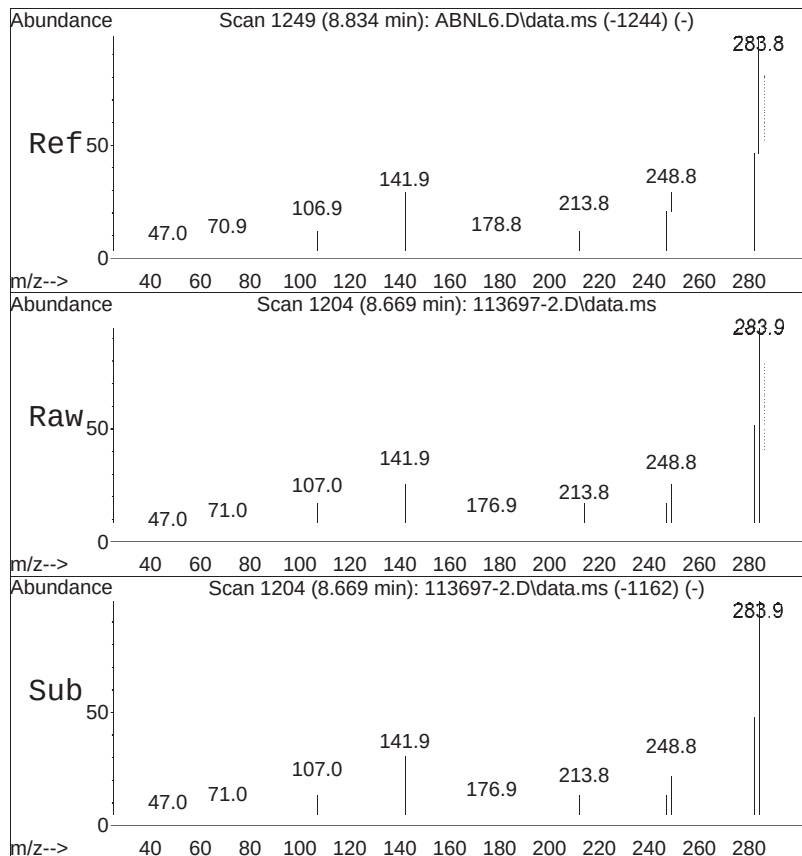




#80
 4-Bromophenyl phenyl ether
 Concen: 1.70 ug/ml
 RT: 8.616 min Scan# 1195
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

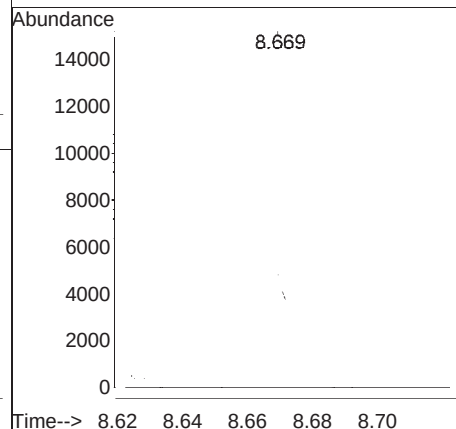
Tgt Ion	Ratio	Lower	Upper
248	100		
141	58.6	74.6	111.8#
250	94.5	76.9	115.3

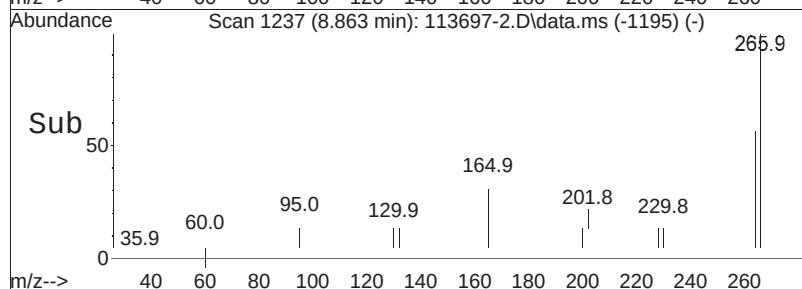
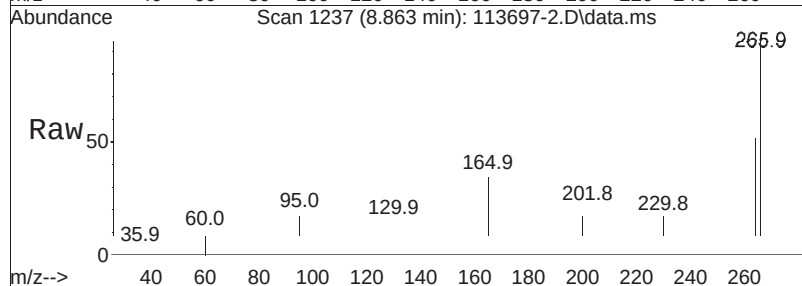
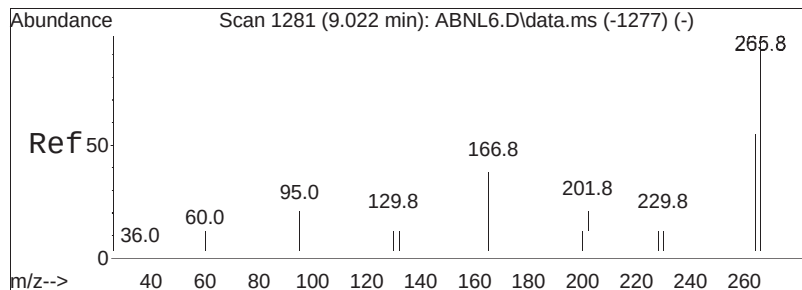




#81
 Hexachlorobenzene
 Concen: 1.67 ug/ml
 RT: 8.669 min Scan# 1204
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

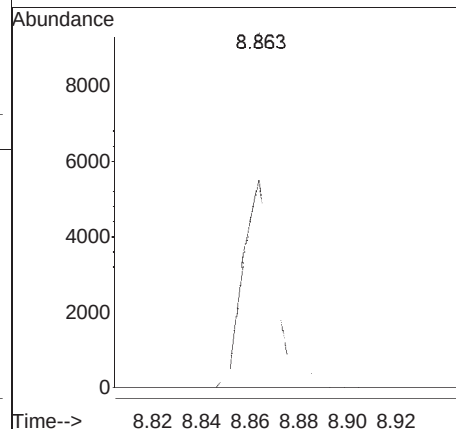
Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.2	37.6	56.4#
249	30.1	25.4	38.2

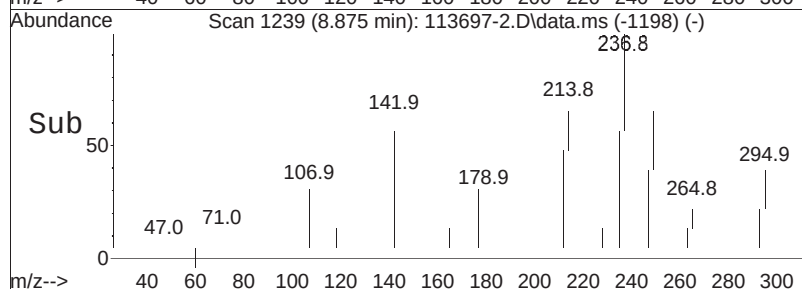
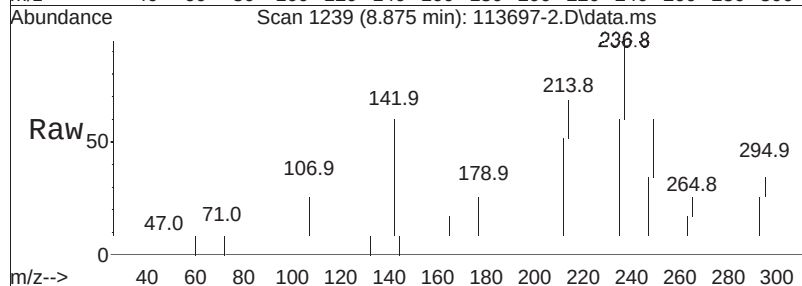
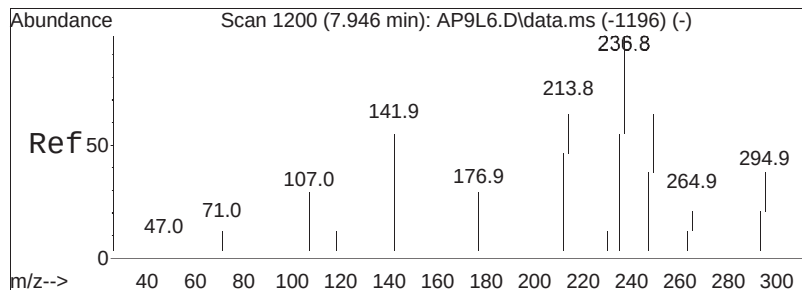




#82
 Pentachlorophenol
 Concen: 2.25 ug/ml
 RT: 8.863 min Scan# 1237
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

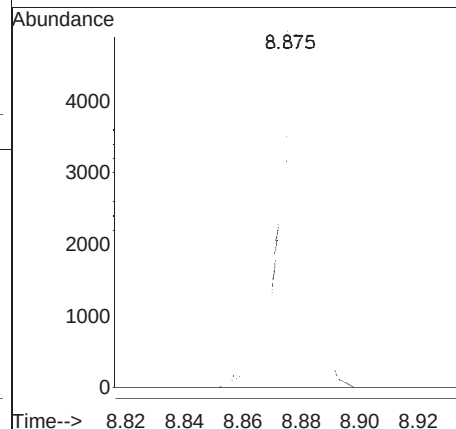
Tgt Ion:	266	Resp:	8206
Ion Ratio	Lower	Upper	
266	100		
264	60.7	50.7	76.1
268	59.5	52.5	78.7

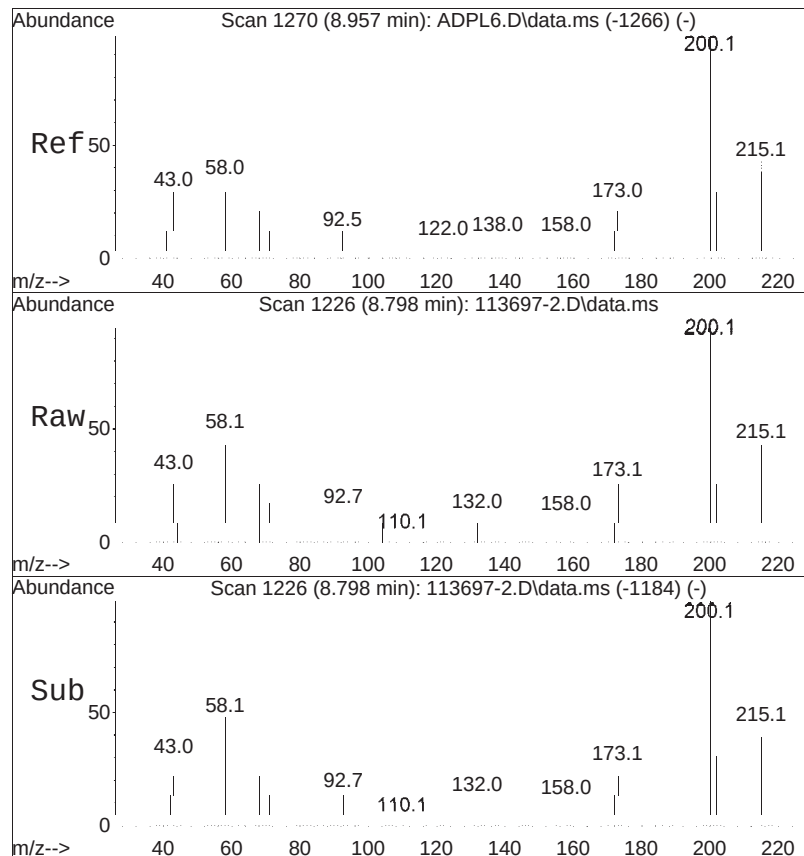




#85
 Pentachloronitrobenzene
 Concen: 1.95 ug/ml
 RT: 8.875 min Scan# 1239
 Delta R.T. -0.006 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

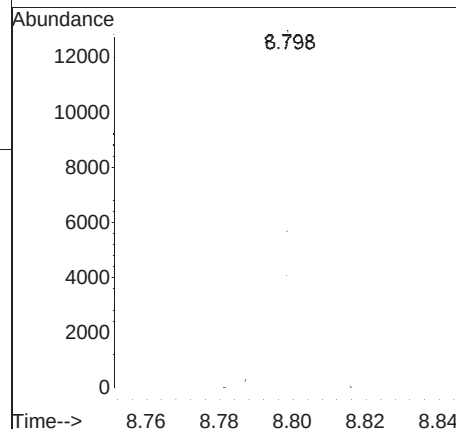
Tgt Ion	Ratio	Lower	Upper
237	100		
142	60.4	70.3	105.5#
214	64.1	59.4	89.2

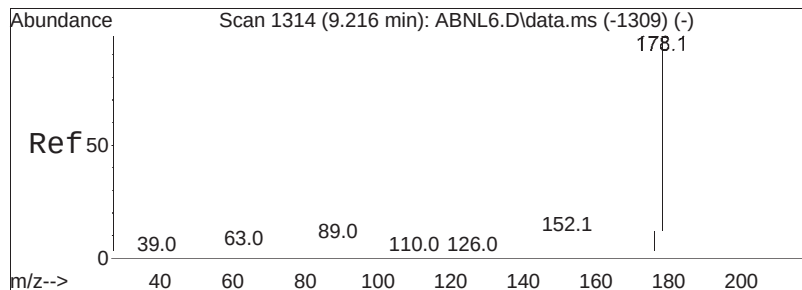




#87
 Atrazine
 Concen: 1.87 ug/ml
 RT: 8.798 min Scan# 1226
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

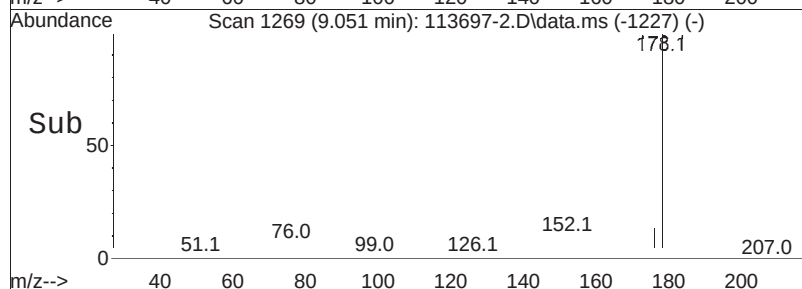
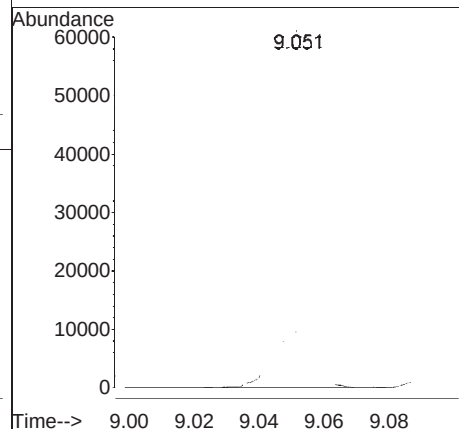
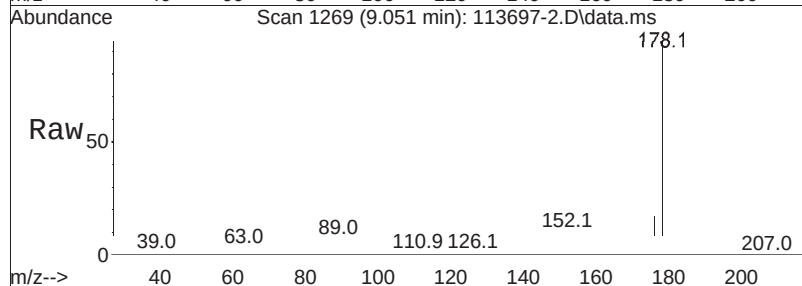
Tgt	Ion:200	Resp:	10459
Ion	Ratio	Lower	Upper
200	100		
202	30.7	25.0	37.6
215	42.3	34.5	51.7

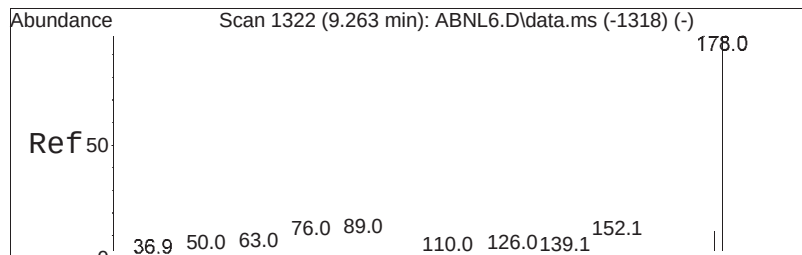




#89
 Phenanthrene
 Concen: 1.67 ug/ml
 RT: 9.051 min Scan# 1269
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

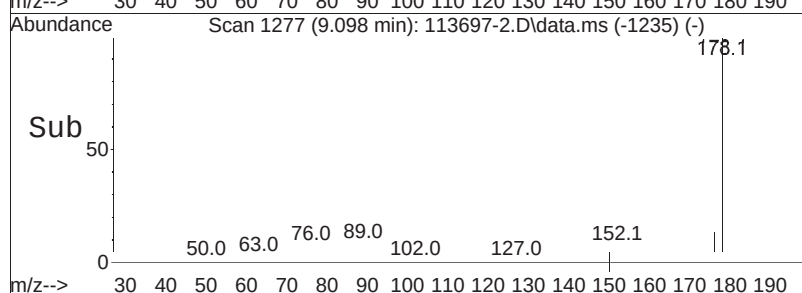
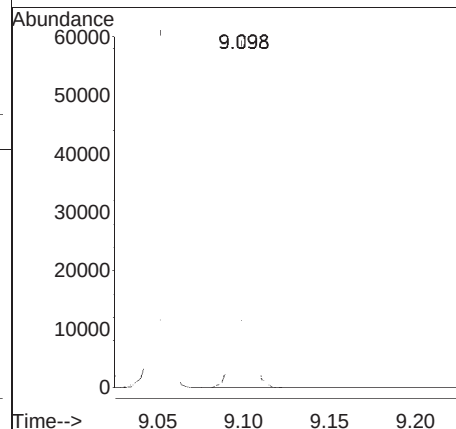
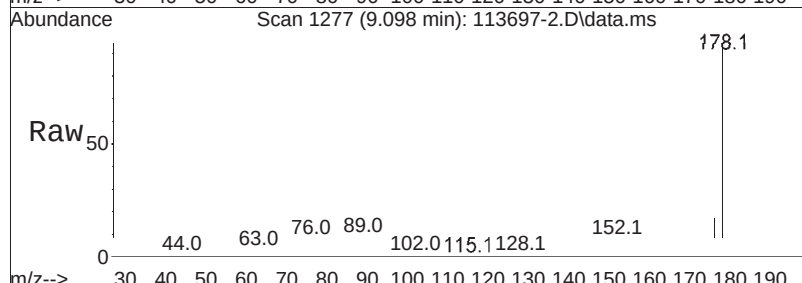
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	18.8	15.4	23.2

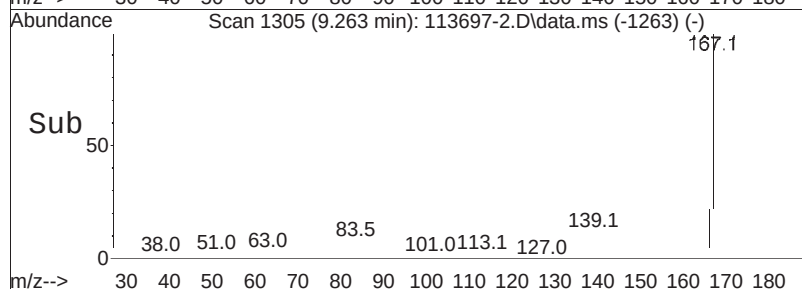
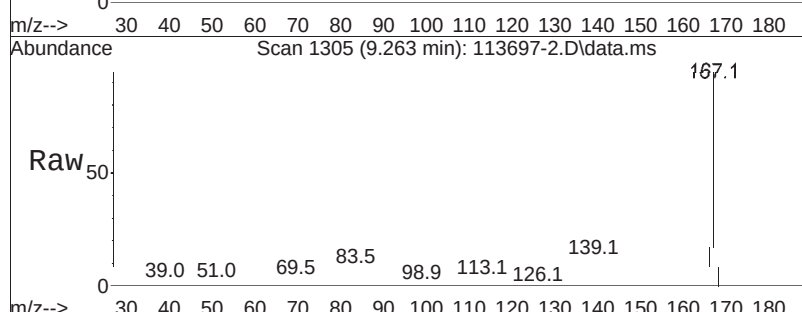
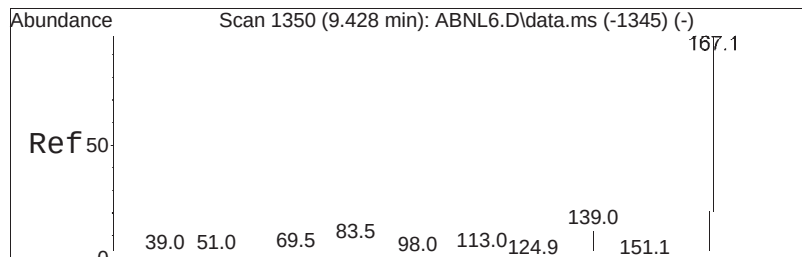




#90
 Anthracene
 Concen: 1.68 ug/ml
 RT: 9.098 min Scan# 1277
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

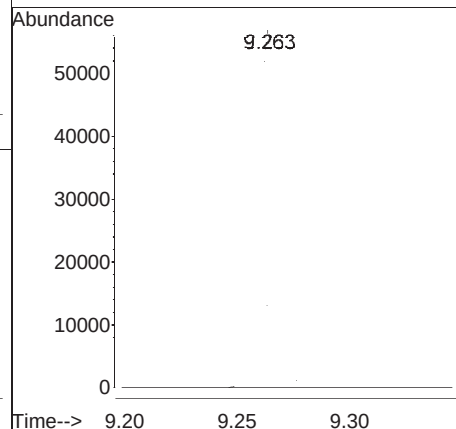
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.2
176	18.9	15.1	22.7

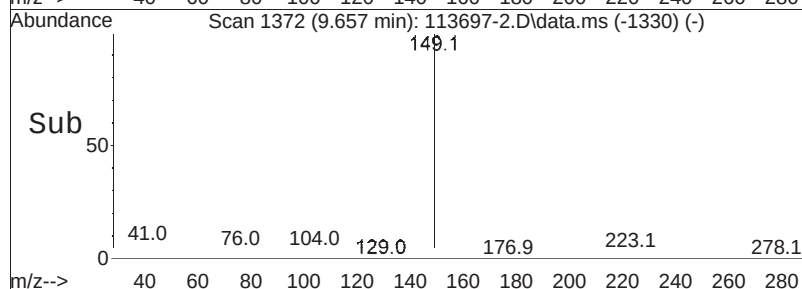
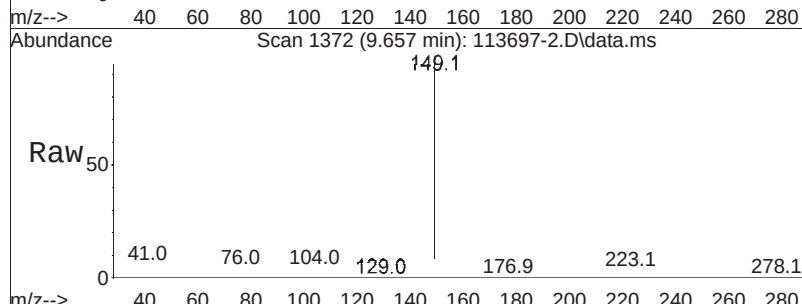
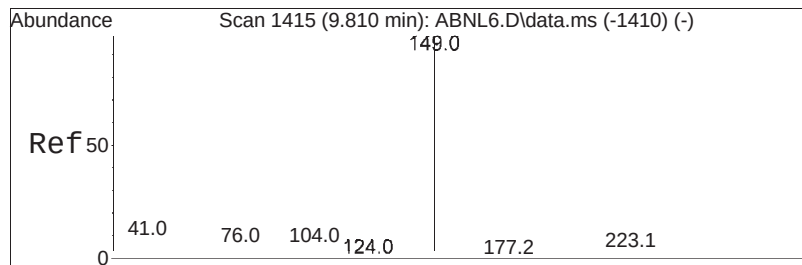




#91
 Carbazole
 Concen: 1.78 ug/ml
 RT: 9.263 min Scan# 1305
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion	Ratio	Lower	Upper
167	100		
168	14.2	10.8	16.2
166	22.6	17.7	26.5





#92

Di-n-butylphthalate

Concen: 3.42 ug/ml

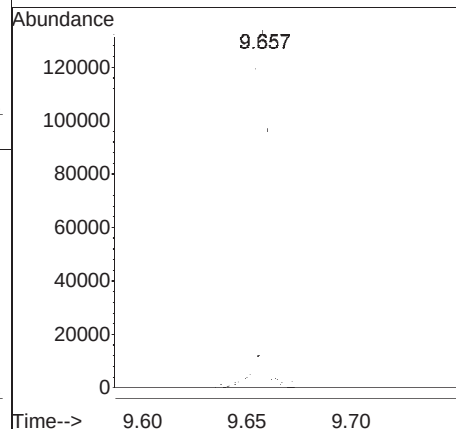
RT: 9.657 min Scan# 1372

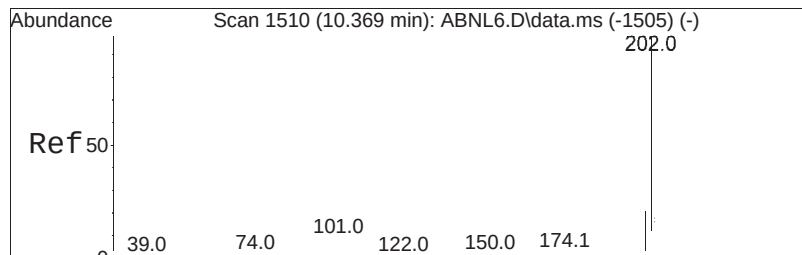
Delta R.T. -0.000 min

Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.6	4.0	6.0





#93

Fluoranthene

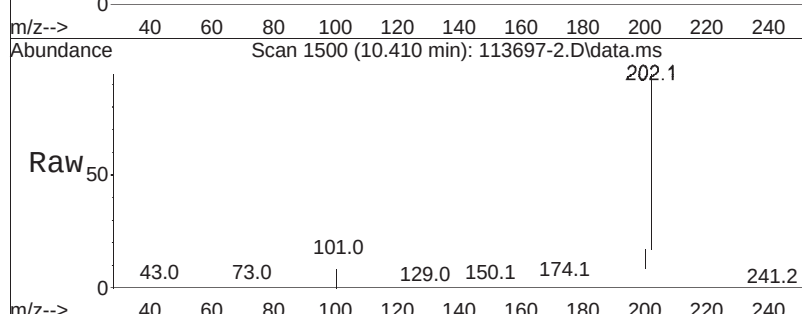
Concen: 1.78 ug/ml

RT: 10.410 min Scan# 1500

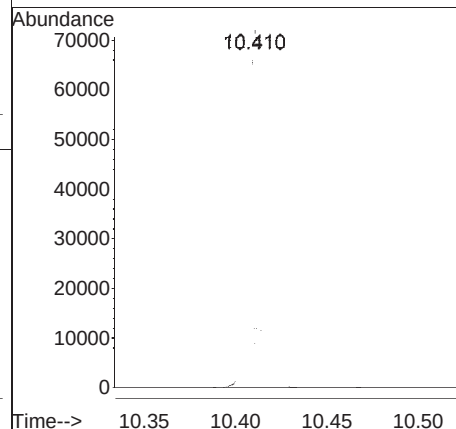
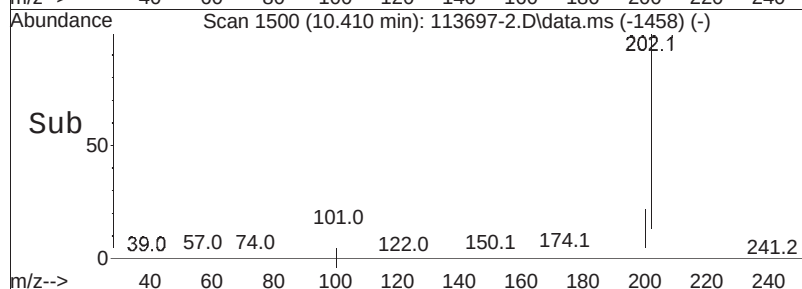
Delta R.T. -0.000 min

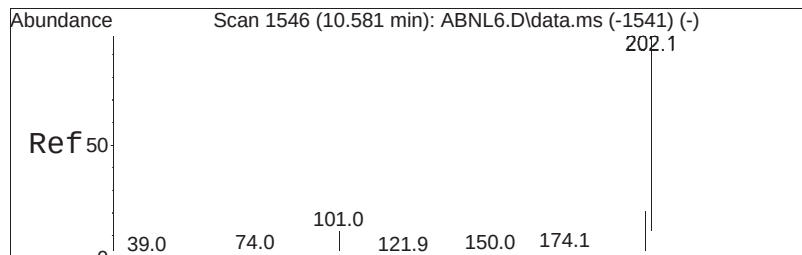
Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am



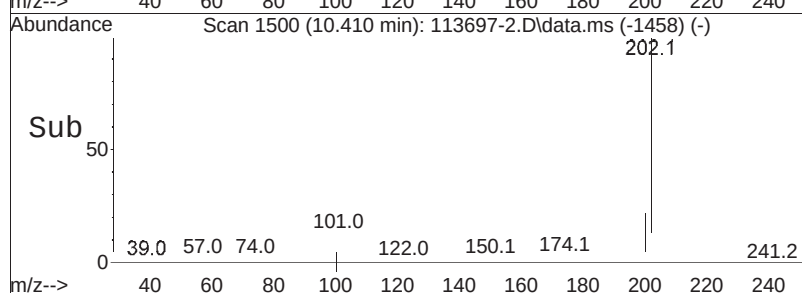
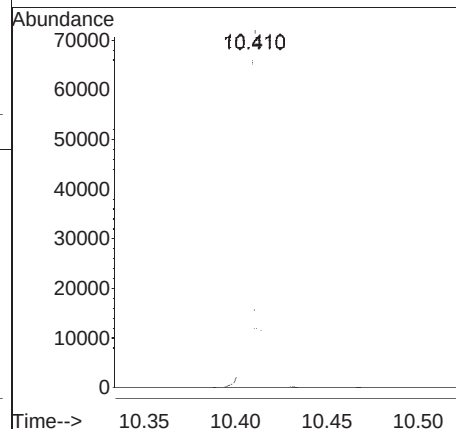
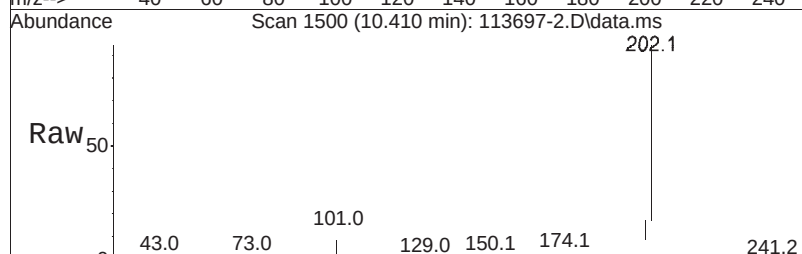
Tgt Ion:	202	Resp:	65743
Ion Ratio	Lower	Upper	
202	100		
101	11.4	11.2	16.8
203	17.3	13.7	20.5

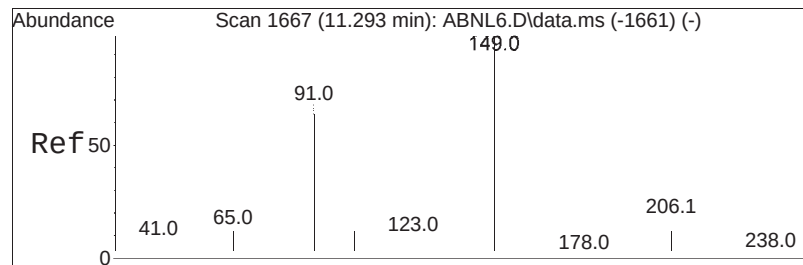




#95
 Pyrene
 Concen: 1.73 ug/ml
 RT: 10.410 min Scan# 1500
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

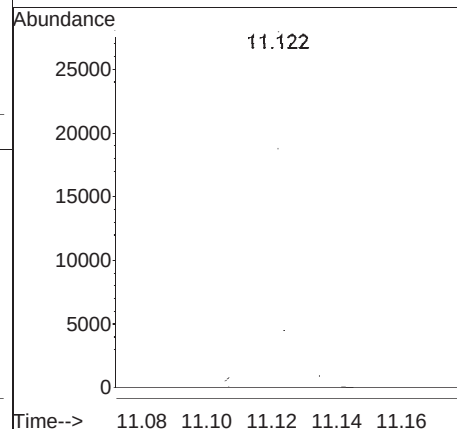
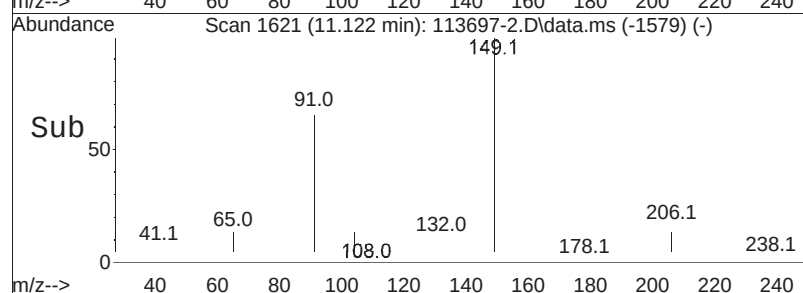
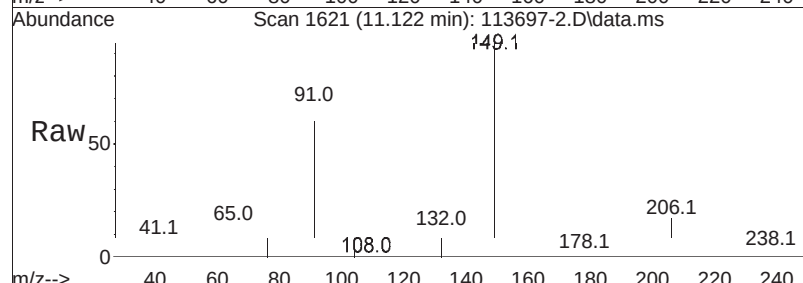
Tgt Ion:	202	Resp:	65743
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.9	25.3
203	17.3	14.3	21.5

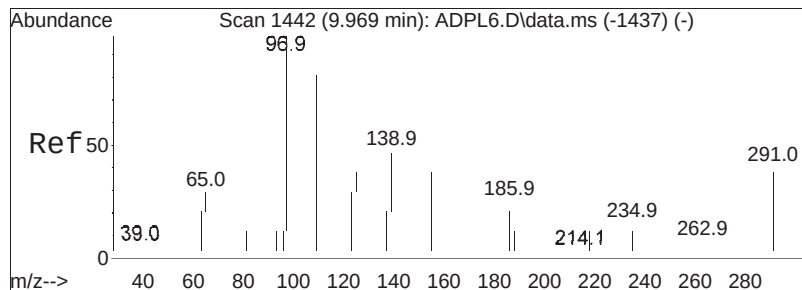




#97
 Butyl benzyl phthalate
 Concen: 1.67 ug/ml
 RT: 11.122 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

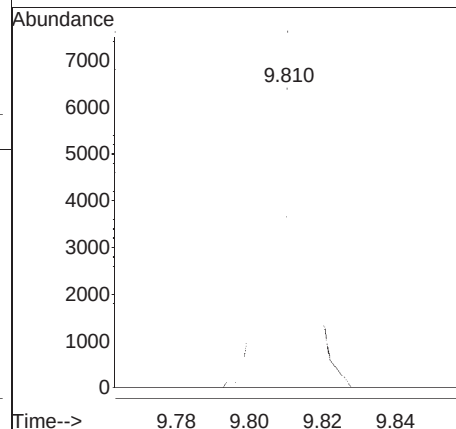
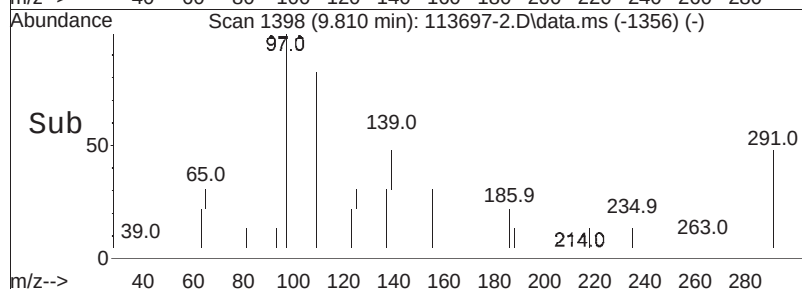
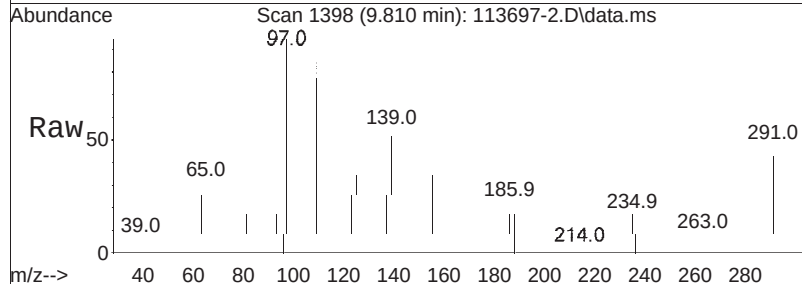
Tgt Ion:	149	Resp:	24522
Ion Ratio	Lower	Upper	
149	100		
91	66.3	57.9	86.9
206	17.6	11.9	17.9

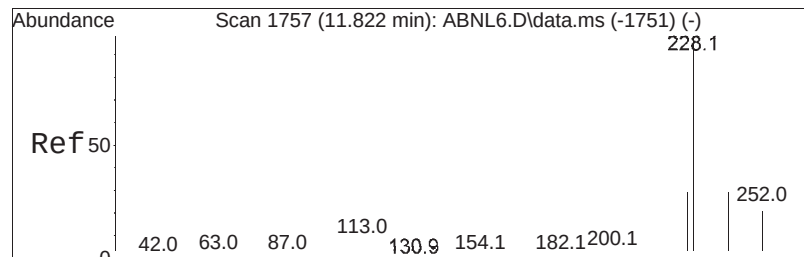




#102
 Parathion
 Concen: 1.79 ug/ml
 RT: 9.810 min Scan# 1398
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

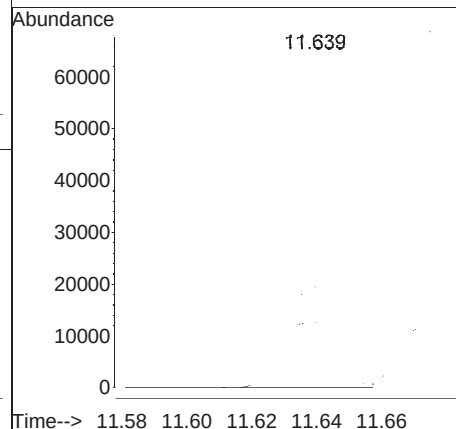
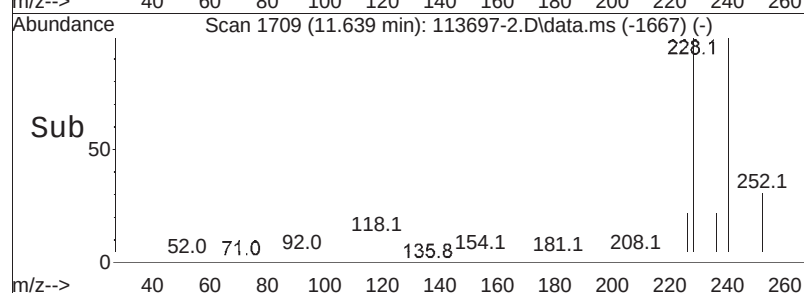
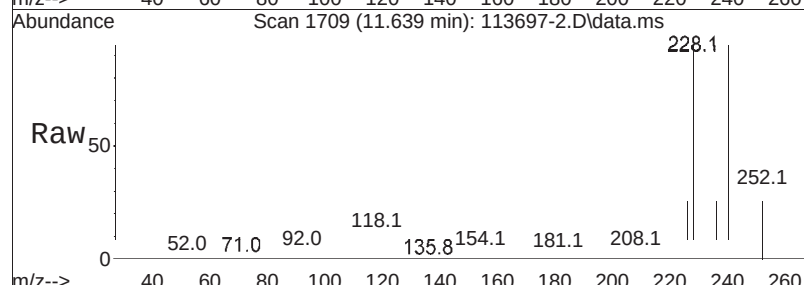
Tgt Ion	Ratio	Lower	Upper
109	100		
97	114.8	85.4	128.2
291	56.6	25.4	38.2#

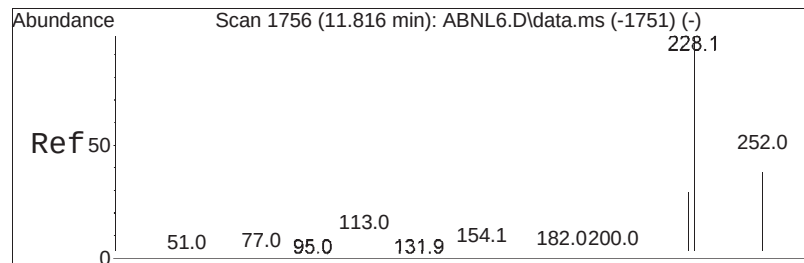




#105
 Benzo(a)anthracene
 Concen: 1.68 ug/ml
 RT: 11.639 min Scan# 1709
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

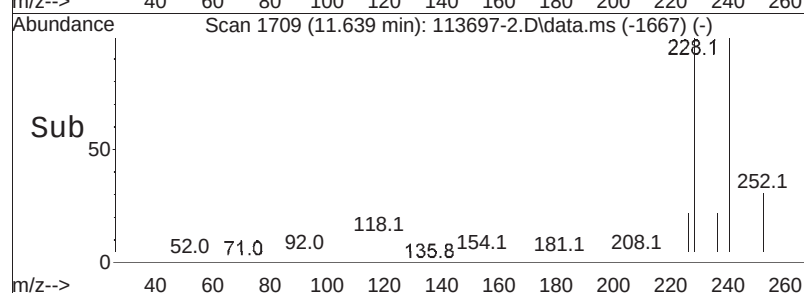
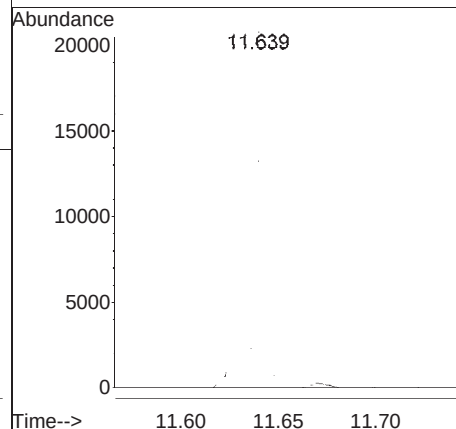
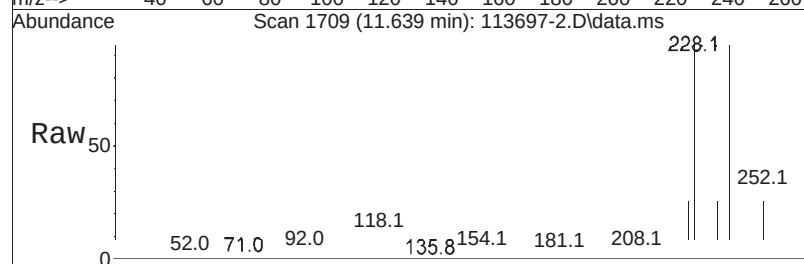
Tgt Ion:	228	Resp:	67686
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.6	34.0
229	19.9	15.8	23.6

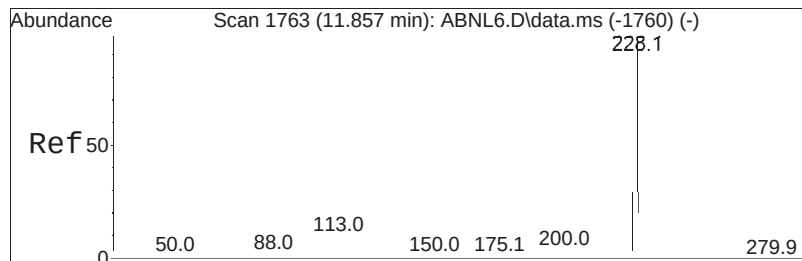




#106
 3,3'-Dichlorobenzidine
 Concen: 1.38 ug/ml
 RT: 11.639 min Scan# 1709
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

Tgt Ion:	252	Resp:	20214
Ion Ratio	Lower	Upper	
252	100		
126	12.8	12.6	19.0
254	63.8	51.1	76.7





#107

Chrysene

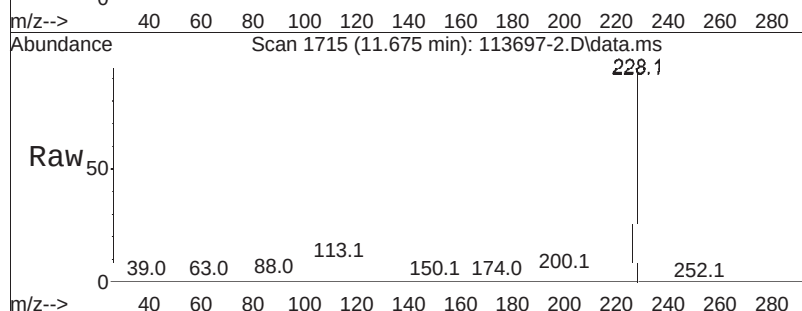
Concen: 1.74 ug/ml

RT: 11.675 min Scan# 1715

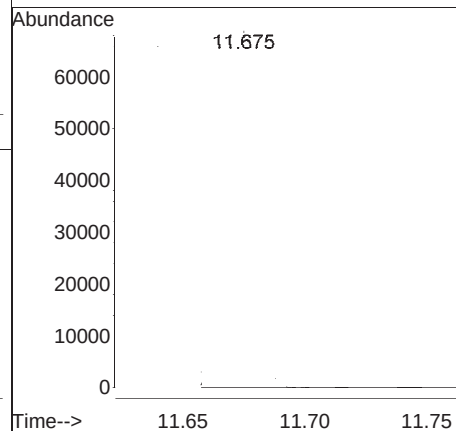
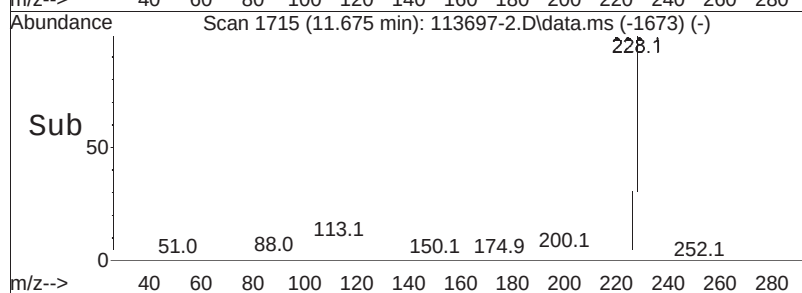
Delta R.T. -0.000 min

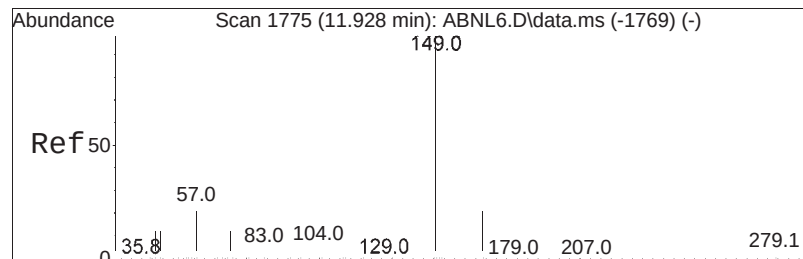
Lab File: 113697-2.D

Acq: 12 Sep 2025 03:40 am



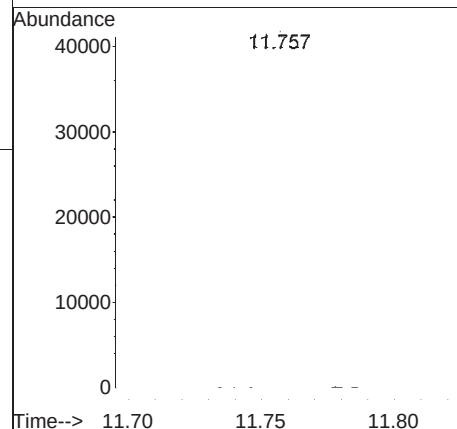
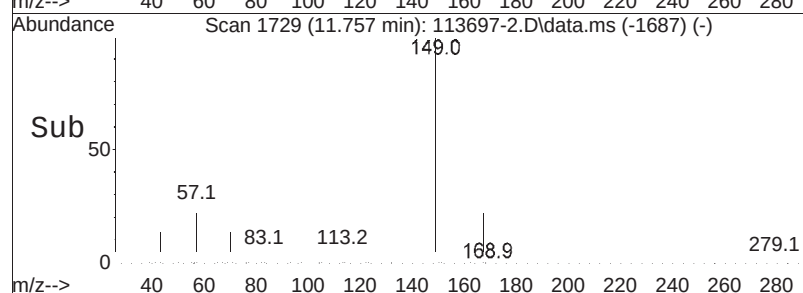
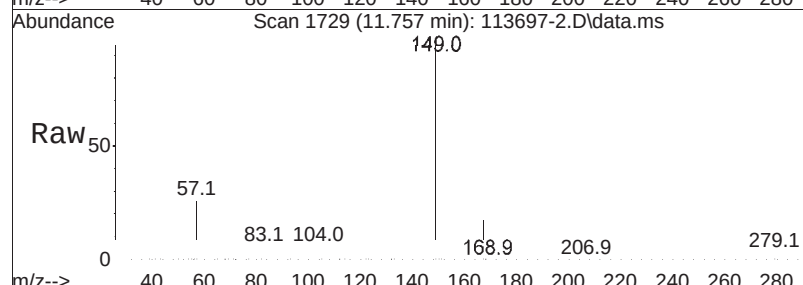
Tgt Ion:	228	Resp:	65157
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.7	37.1
229	19.5	15.5	23.3

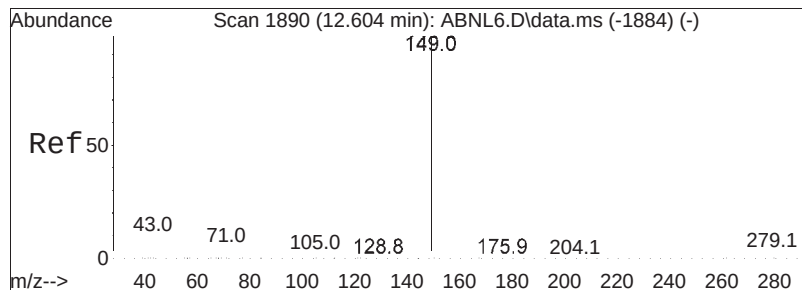




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.64 ug/ml
 RT: 11.757 min Scan# 1729
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

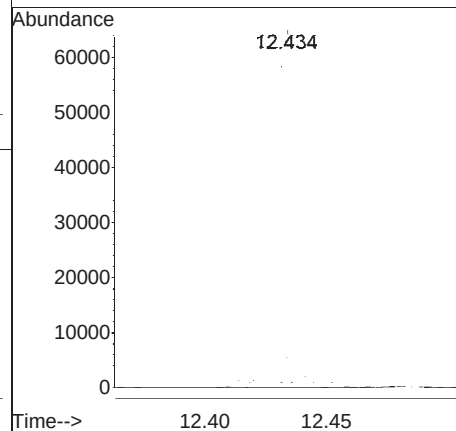
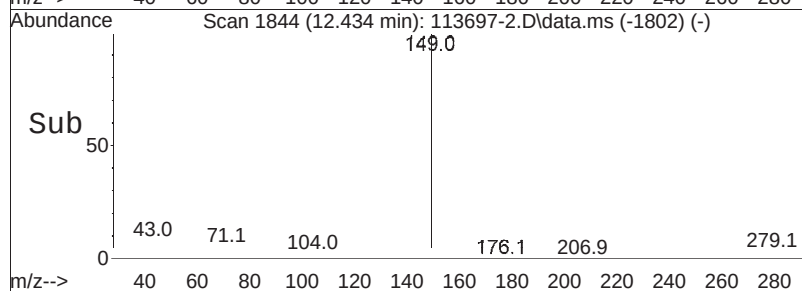
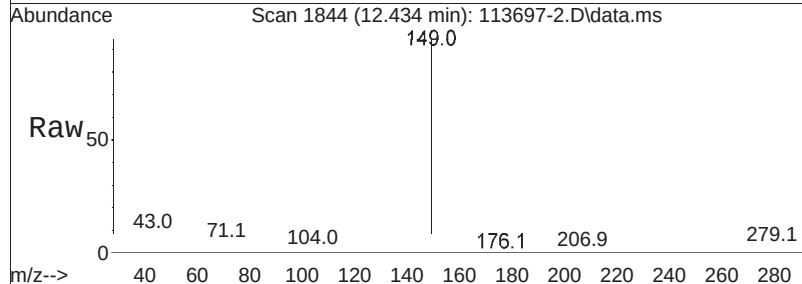
Tgt Ion:	149	Resp:	39214
Ion Ratio	Lower	Upper	
149	100		
167	23.7	18.4	27.6
279	2.8	1.7	2.5#

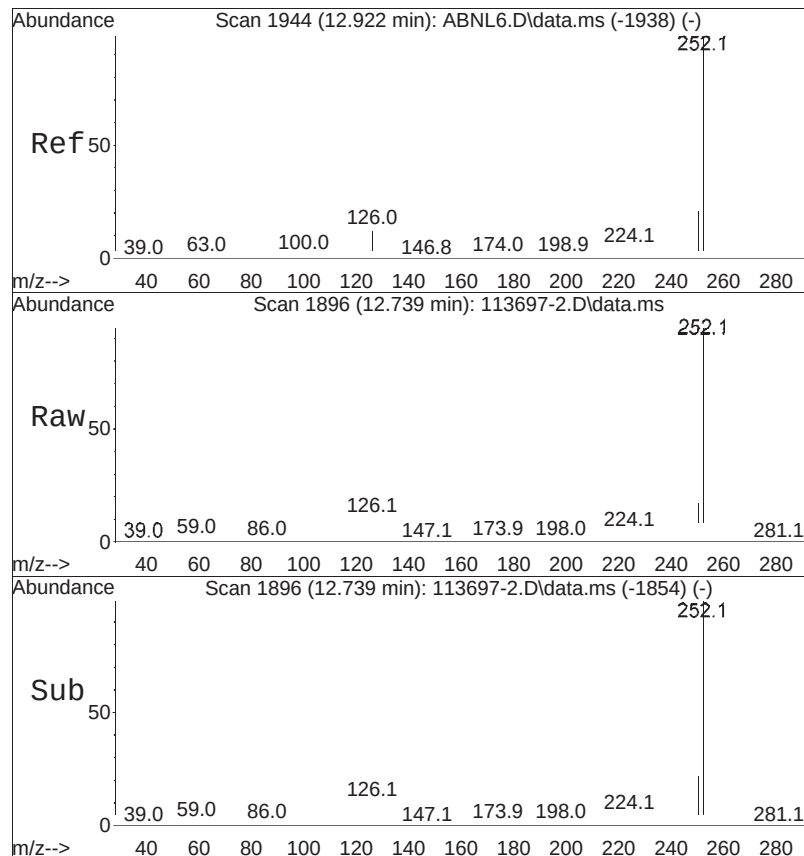




#109
 Di-n-octylphthalate
 Concen: 1.59 ug/ml
 RT: 12.434 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

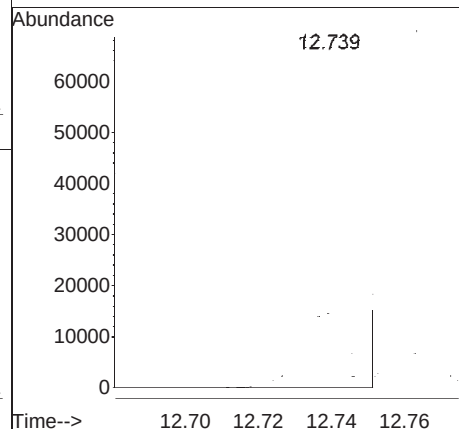
Tgt Ion	Ratio	Lower	Upper
149	100		
43	9.0	8.2	12.2
167	1.6	1.1	1.7

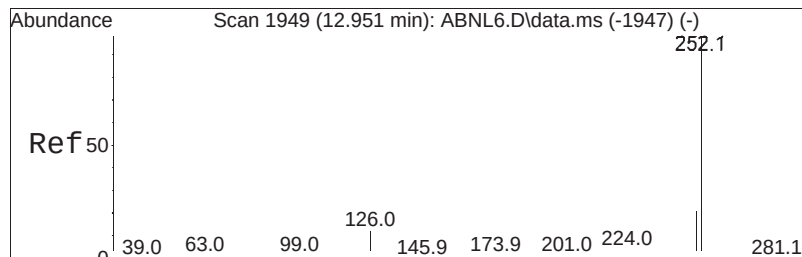




#110
 Benzo(b)fluoranthene
 Concen: 1.81 ug/ml
 RT: 12.739 min Scan# 1896
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

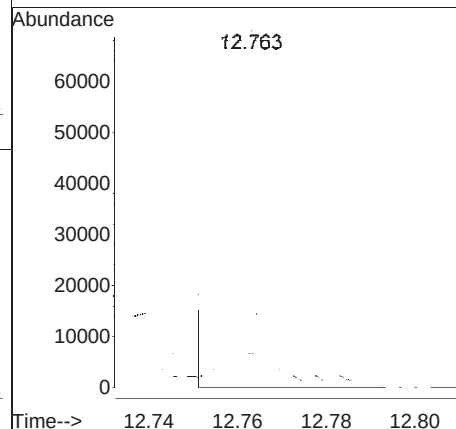
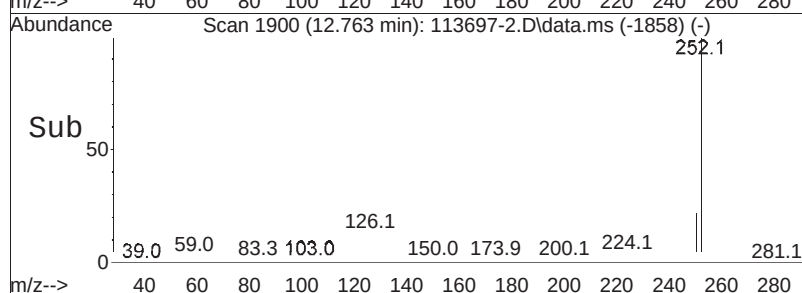
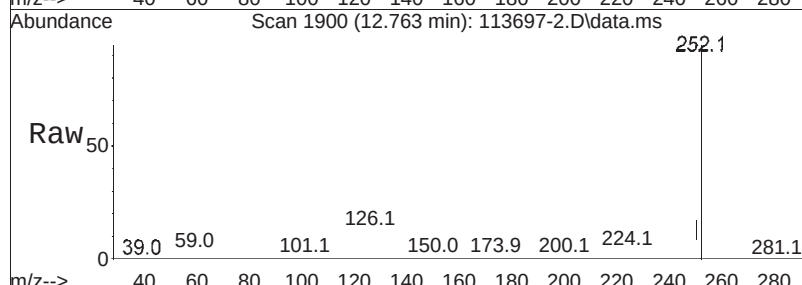
Tgt Ion:	252	Resp:	71717
Ion Ratio	Lower	Upper	
252	100		
125	9.9	11.3	16.9#
253	22.4	17.8	26.8

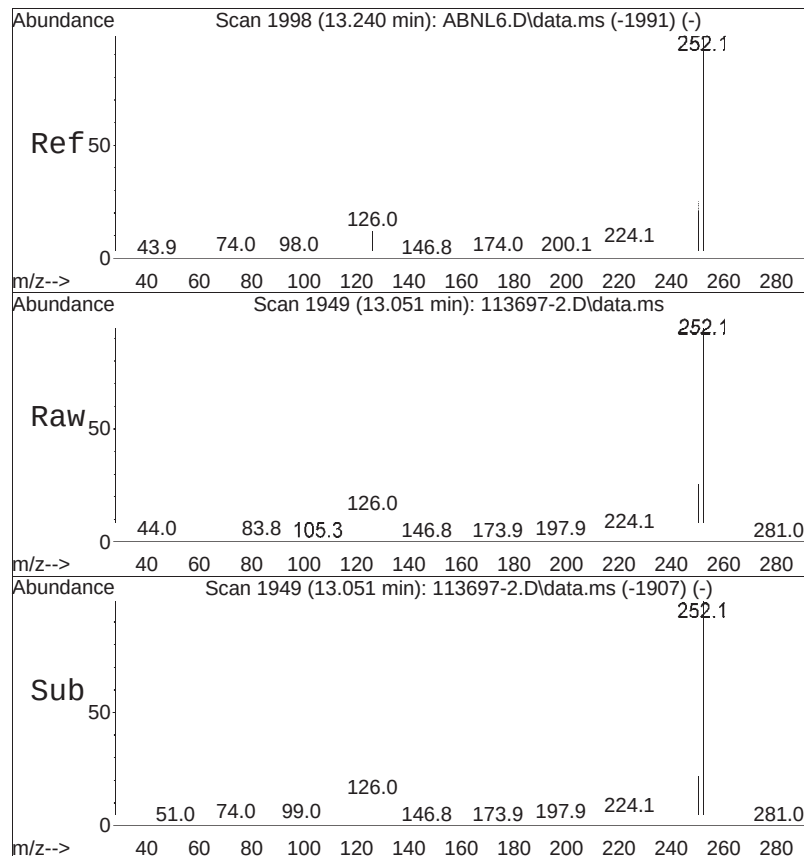




#111
 Benzo(k)fluoranthene
 Concen: 1.72 ug/ml M3
 RT: 12.763 min Scan# 1900
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

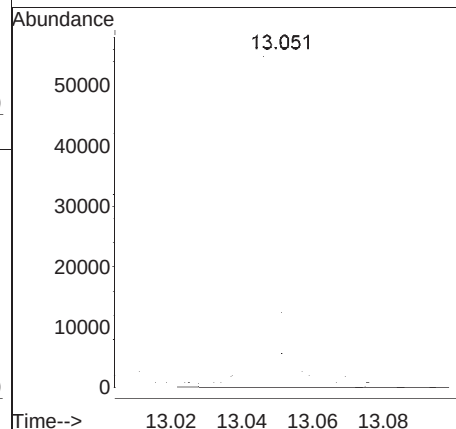
Tgt Ion	Ratio	Lower	Upper
252	100		
125	10.7	11.5	17.3#
253	24.2	17.6	26.4

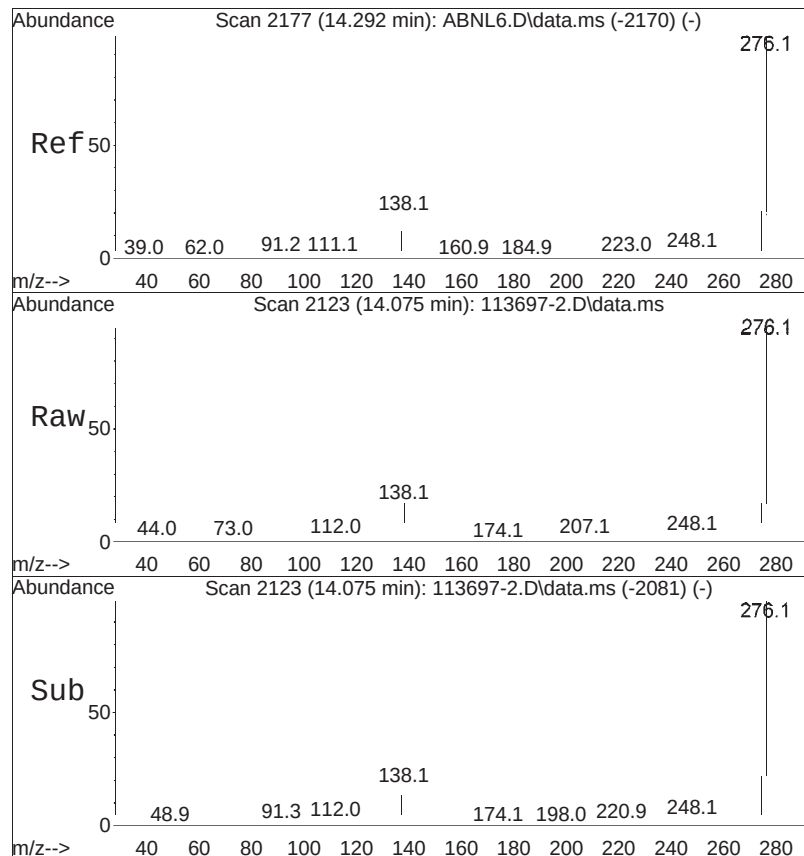




#112
Benzo(a)pyrene
Concen: 1.72 ug/ml M3
RT: 13.051 min Scan# 1949
Delta R.T. -0.000 min
Lab File: 113697-2.D
Acq: 12 Sep 2025 03:40 am

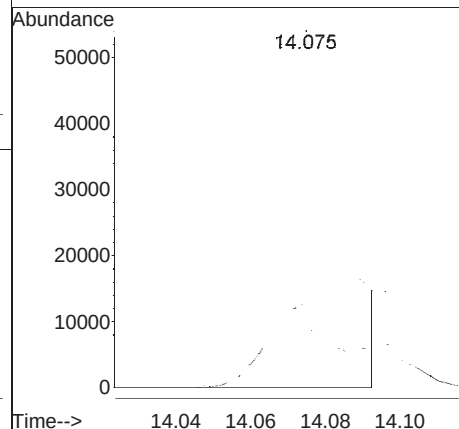
Tgt Ion	Ratio	Lower	Upper
252	100		
125	14.2	12.6	18.8
253	22.8	17.5	26.3

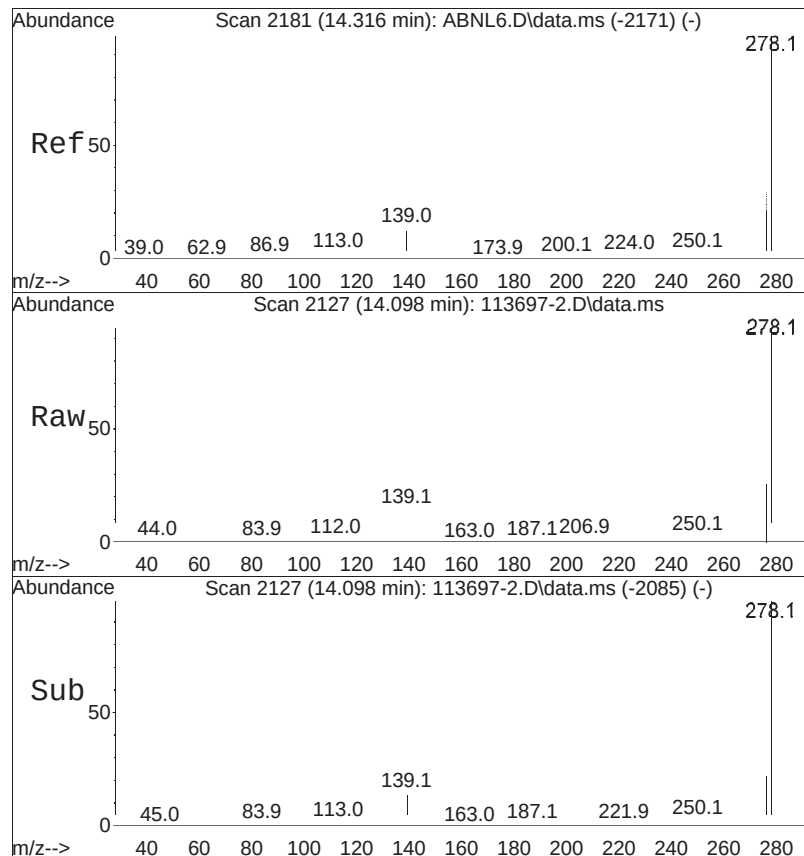




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 1.83 ug/mL M6
 RT: 14.075 min Scan# 2123
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

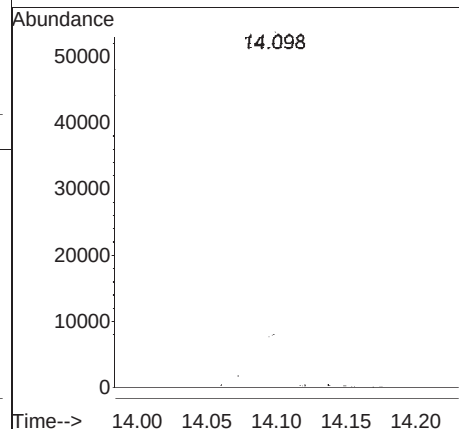
Tgt Ion:	276	Resp:	70511
Ion Ratio	Lower	Upper	
276	100		
138	28.2	22.1	33.1
277	29.6	19.0	28.6#

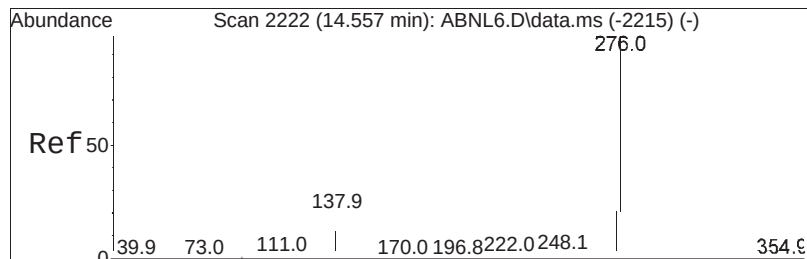




#115
 Dibenzo(a,h)anthracene
 Concen: 1.80 ug/ml
 RT: 14.098 min Scan# 2127
 Delta R.T. -0.000 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

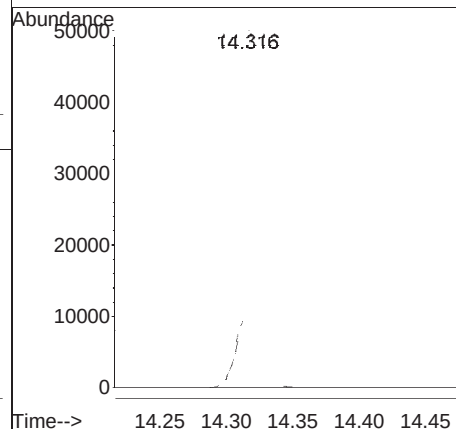
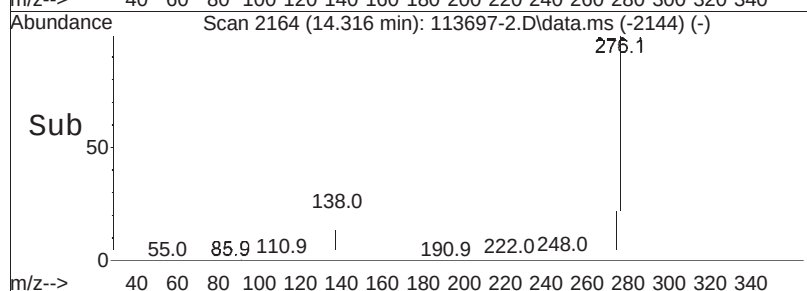
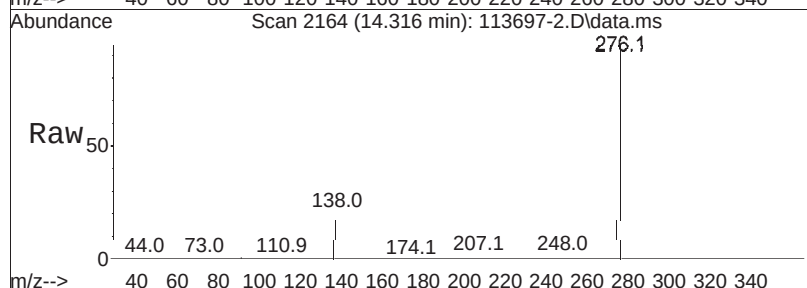
Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.8	17.8	26.8#
279	23.6	19.2	28.8





#116
 Benzo(ghi)perylene
 Concen: 1.73 ug/ml
 RT: 14.316 min Scan# 2164
 Delta R.T. -0.006 min
 Lab File: 113697-2.D
 Acq: 12 Sep 2025 03:40 am

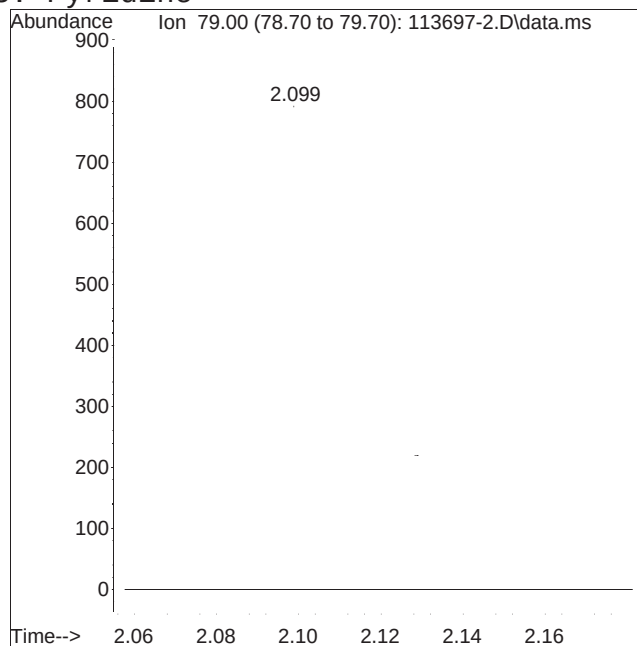
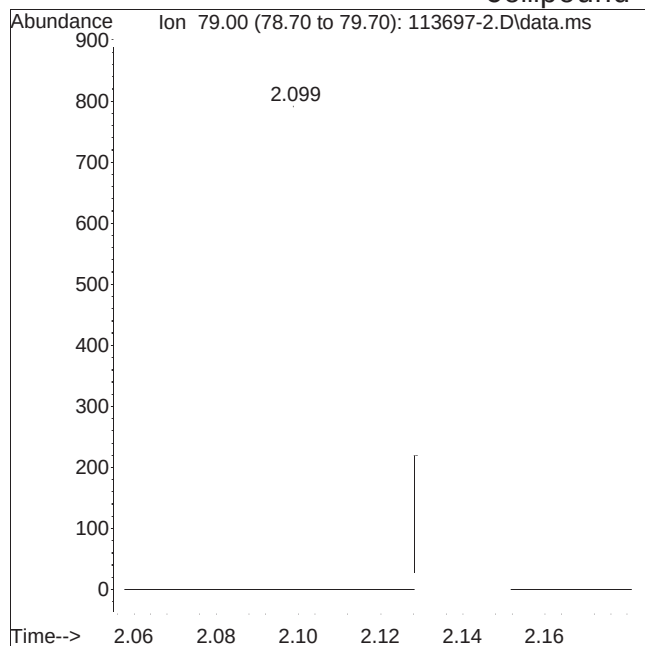
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	21.9	32.9#
277	23.7	18.4	27.6



Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-2.D Operator : SV112:smz
Date Inj'd : 9/12/2025 3:40 am Instrument : SV112
Sample : WG2113697-2,32,,ASK Quant Date : 9/12/2025 3:58 am

Compound #3: Pyridine



Original Peak Response = 1096

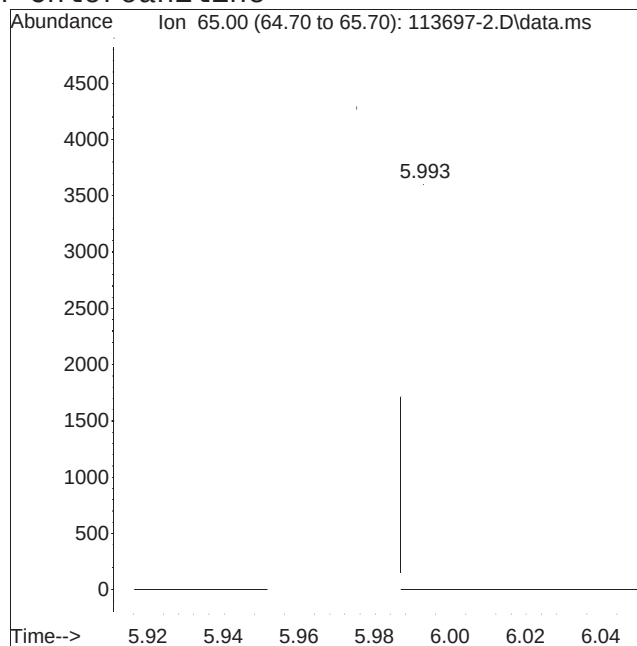
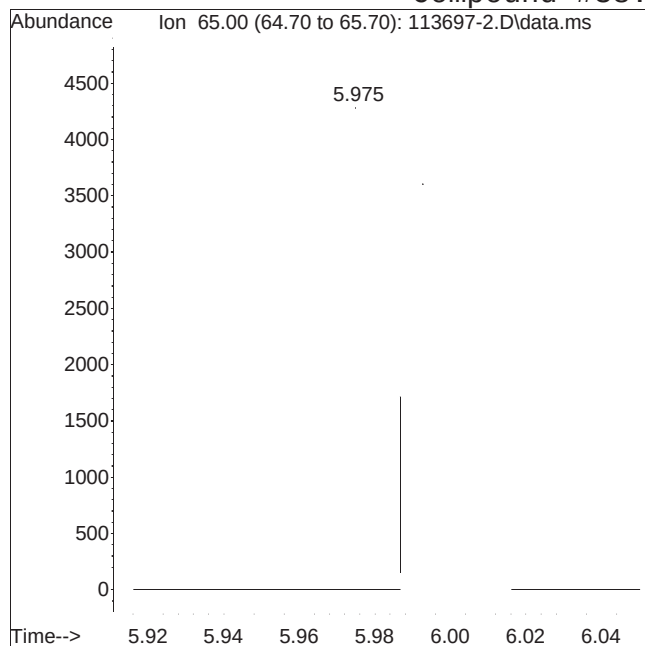
Manual Peak Response = 1306 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-2.D Operator : SV112:smz
Date Inj'd : 9/12/2025 3:40 am Instrument : SV112
Sample : WG2113697-2,32,,ASK Quant Date : 9/12/2025 3:58 am

Compound #38: 4-Chloroaniline



Original Peak Response = 4163

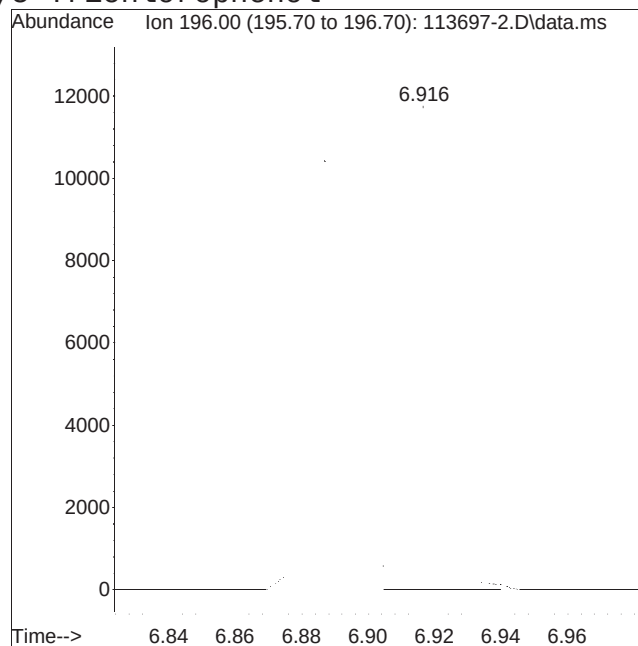
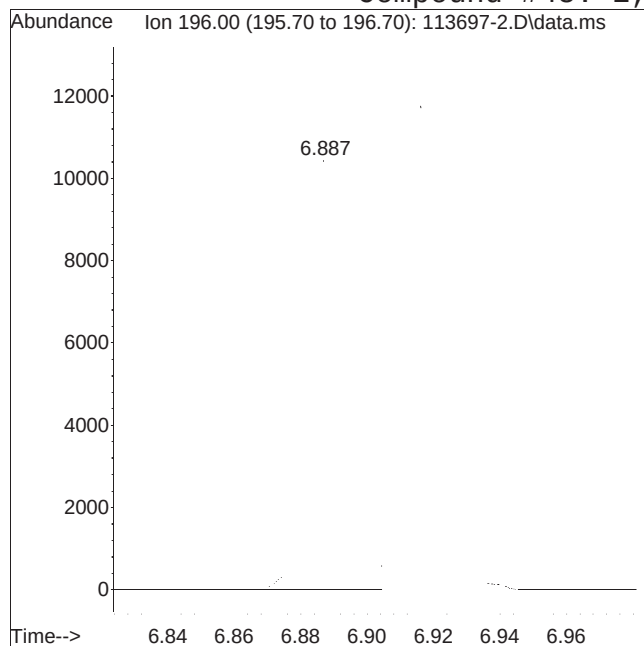
Manual Peak Response = 2488 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-2.D Operator : SV112:smz
Date Inj'd : 9/12/2025 3:40 am Instrument : SV112
Sample : WG2113697-2,32,,ASK Quant Date : 9/12/2025 3:58 am

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 8714

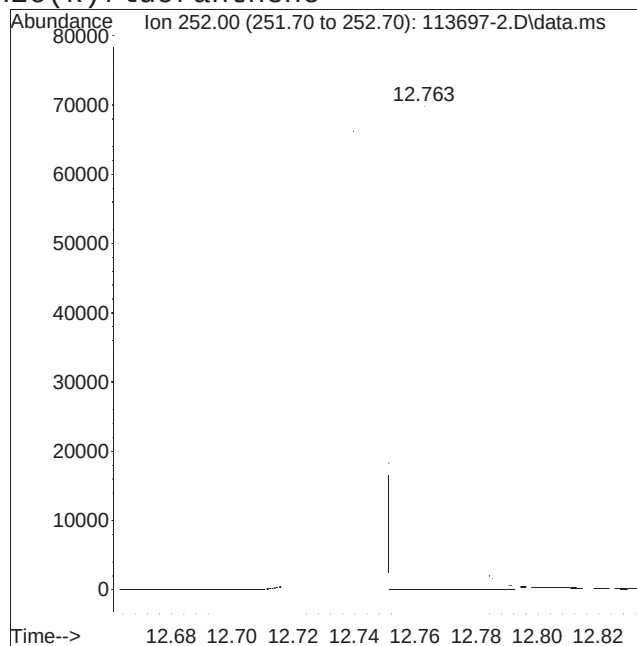
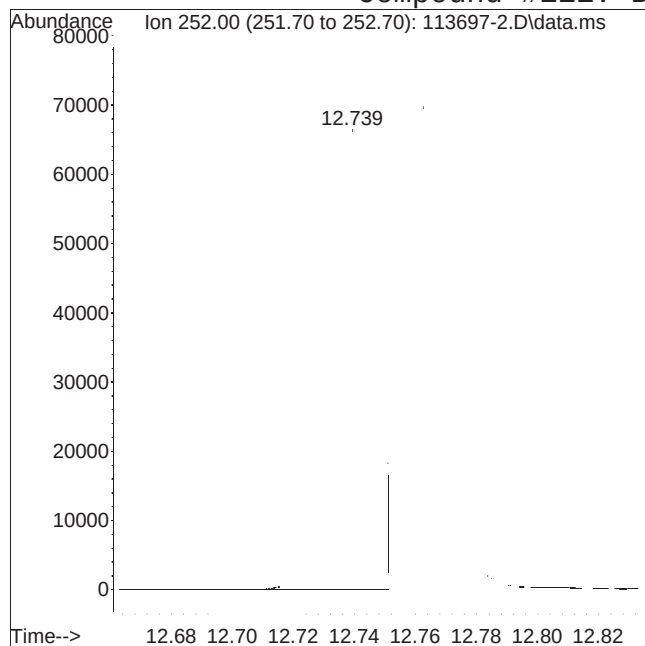
Manual Peak Response = 9816 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-2.D Operator : SV112:smz
Date Inj'd : 9/12/2025 3:40 am Instrument : SV112
Sample : WG2113697-2,32,,ASK Quant Date : 9/12/2025 3:58 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 71717

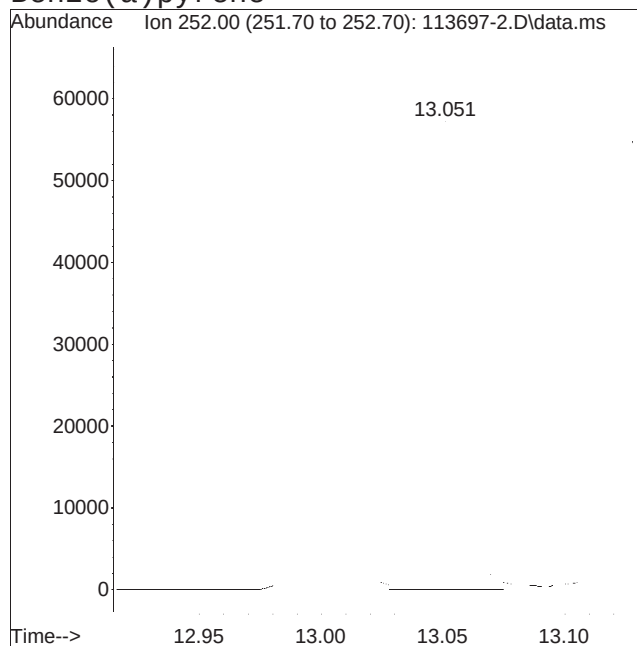
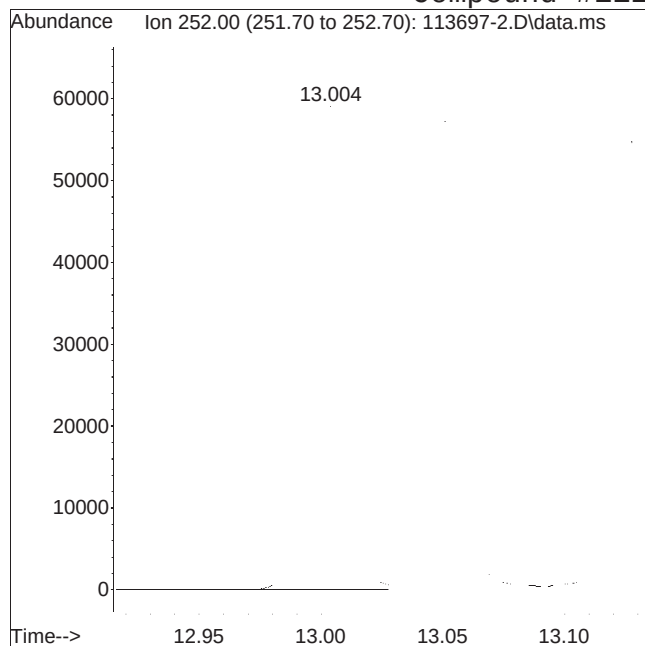
Manual Peak Response = 66373 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-2.D Operator : SV112:smz
Date Inj'd : 9/12/2025 3:40 am Instrument : SV112
Sample : WG2113697-2,32,,ASK Quant Date : 9/12/2025 3:58 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 65037

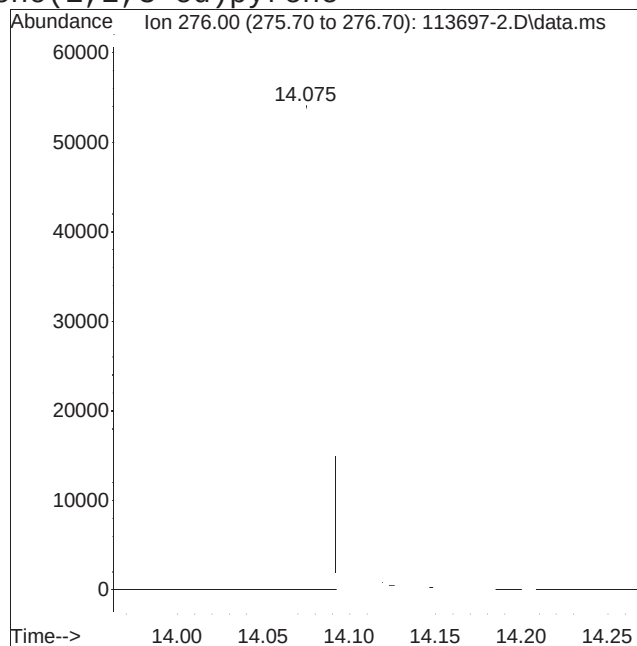
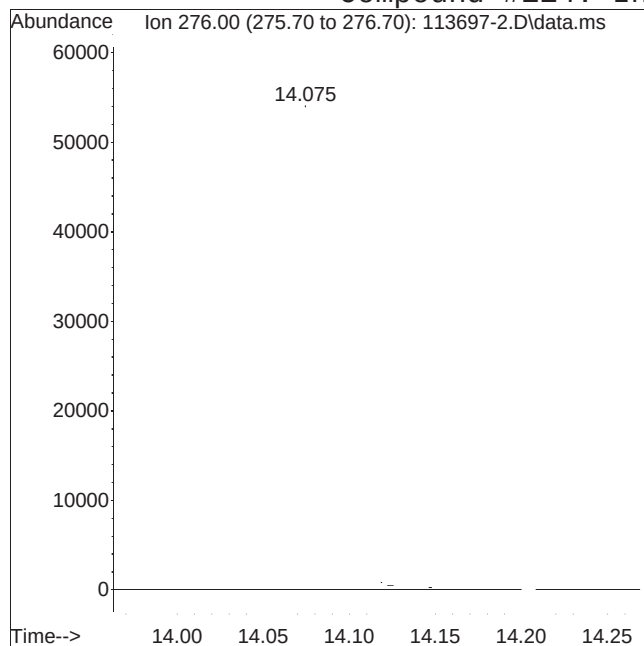
Manual Peak Response = 63171 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-2.D Operator : SV112:smz
Date Inj'd : 9/12/2025 3:40 am Instrument : SV112
Sample : WG2113697-2,32,,ASK Quant Date : 9/12/2025 3:58 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 81473

Manual Peak Response = 70511 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 111707-3.D
 Acq On : 8 Sep 2025 8:11 am
 Operator : SV106:jg
 Sample : WG2111707-3,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 17:42:03 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.251	152	38135	4.000	ug/ml	0.00
Standard Area 1 = 37897			Recovery =	100.63%		
27) IS2_1,4-Dichlorobenzen...	4.251	152	38135	4.000	ug/ml	0.00
Standard Area 3 = 39953			Recovery =	95.45%		
32) IS3_1,4-Dichlorobenzen...	4.251	152	38135	4.000	ug/ml	0.00
Standard Area 2 = 41528			Recovery =	91.83%		
35) IS1_Naphthalene-d8	5.523	136	147735	4.000	ug/ml	# 0.00
Standard Area 1 = 150804			Recovery =	97.96%		
55) IS2_Naphthalene-d8	5.523	136	147735	4.000	ug/ml	# 0.00
Standard Area 3 = 158242			Recovery =	93.36%		
63) IS1_Acenaphthene-d10	7.257	164	85706	4.000	ug/ml	0.00
Standard Area 1 = 88579			Recovery =	96.76%		
83) IS2_Acenaphthene-d10	7.257	164	85706	4.000	ug/ml	0.00
Standard Area 3 = 90220			Recovery =	95.00%		
86) IS3_Acenaphthene-d10	7.257	164	85706	4.000	ug/ml	0.00
Standard Area 2 = 91049			Recovery =	94.13%		
88) IS1_Phenanthrene-d10	8.702	188	161202	4.000	ug/ml	# 0.00
Standard Area 1 = 167258			Recovery =	96.38%		
100) IS3_Phenanthrene-d10	8.702	188	161202	4.000	ug/ml	# 0.00
Standard Area 2 = 180524			Recovery =	89.30%		
104) IS1_Chrysene-d12	11.338	240	161523	4.000	ug/ml	# 0.00
Standard Area 1 = 168352			Recovery =	95.94%		
113) IS1_Perylene-d12	12.796	264	182749	4.000	ug/ml	0.00
Standard Area 1 = 185516			Recovery =	98.51%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.915	112	10559	1.001	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	50.05%		
7) Phenol-d6	3.947	99	9468	0.753	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	37.65%		
19) Nitrobenzene-d5	4.814	82	8322	0.712	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	71.20%		
46) 2-Fluorobiphenyl	6.623	172	21656	0.714	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	71.40%		
79) 2,4,6-Tribromophenol	8.031	330	5771	1.389	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	69.45%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
 Data File : 111707-3.D
 Acq On : 8 Sep 2025 8:11 am
 Operator : SV106:jg
 Sample : WG2111707-3,32,,cmm
 Misc : wg2111831,WG2111707,ical22591
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 17:42:03 2025
 Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Sep 06 08:56:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.306	244	29835	0.754	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	75.40%
Target Compounds						Qvalue
6) 2-Chlorophenol	4.040	128	16773	1.321	ug/ml#	88
8) Phenol	3.959	94	10129	0.737	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.581	45	24053	1.351	ug/ml#	59
15) 2-Methylphenol	4.568	108	13132	1.247	ug/ml	96
17) n-Nitrosodi-n-propylamine	4.705	70	11359	1.463	ug/ml	97
18) 3-Methylphenol/4-Methy...	4.733	108	14644	1.273	ug/ml	97
20) Nitrobenzene	4.836	77	16593	1.381	ug/ml	98
21) Isophorone	5.088	82	30065	1.374	ug/ml	98
22) 2-Nitrophenol	5.159	139	8513	1.395	ug/ml#	87
23) 2,4-Dimethylphenol	5.255	107	16268	1.342	ug/ml	93
24) Bis(2-chloroethoxy)met...	5.342	93	21325	1.446	ug/ml#	97
25) 2,4-Dichlorophenol	5.408	162	15975	1.432	ug/ml#	94
28) Benzaldehyde	3.798	105	14173	2.305	ug/ml	87
29) Acetophenone	4.674	105	24866	1.369	ug/ml#	83
38) 4-Chloroaniline	5.628	65	6791M3	1.571	ug/ml	
40) p-Chloro-m-cresol	6.147	107	15423	1.471	ug/ml	96
43) Hexachlorocyclopentadiene	6.418	237	8423	0.898	ug/ml	97
44) 2,4,6-Trichlorophenol	6.539	196	11331	1.438	ug/ml	94
45) 2,4,5-Trichlorophenol	6.567	196	13121	1.484	ug/ml	96
48) 2-Nitroaniline	6.831	138	11529	1.515	ug/ml#	80
51) Dimethyl phthalate	7.043	163	44885	1.418	ug/ml#	98
53) 2,6-Dinitrotoluene	7.083	165	8555	1.386	ug/ml#	79
60) Caprolactam	5.933	55	3389	0.647	ug/ml#	73
61) 1,2,4,5-Tetrachloroben...	6.412	216	16061	1.165	ug/ml	97
62) Biphenyl	6.713	154	44602	1.297	ug/ml	99
64) 3-Nitroaniline	7.235	138	10841	1.481	ug/ml#	91
66) 2,4-Dinitrophenol	7.341	184	4480	1.263	ug/ml	89
67) Dibenzofuran	7.459	168	55843	1.413	ug/ml	91
68) 2,4-Dinitrotoluene	7.471	165	12046	1.462	ug/ml	94
69) 4-Nitrophenol	7.443	65	5201	1.019	ug/ml#	34
72) Diethyl phthalate	7.748	149	45980	1.415	ug/ml	99
74) 4-Chlorophenyl phenyl ...	7.823	204	20381	1.382	ug/ml	89
75) 4-Nitroaniline	7.829	138	10497	1.454	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250908RVT\
Data File : 111707-3.D
Acq On : 8 Sep 2025 8:11 am
Operator : SV106:jg
Sample : WG2111707-3,32,,cmm
Misc : wg2111831,WG2111707,ical22591
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 17:42:03 2025
Quant Method : I:\8270\SV106\250908RVT\FS250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 06 08:56:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250908RVT\ABN0908.D
 : 2 - I:\8270\SV106\250908RVT\ADP0908.D
 : 3 - I:\8270\SV106\250908RVT\AP90908.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4,6-Dinitro-o-cresol	7.866	198	5964	1.302	ug/ml#	72
77)	NDPA/DPA	7.941	169	37458	1.445	ug/ml	95
80)	4-Bromophenyl phenyl e...	8.295	248	12078	1.329	ug/ml#	86
87)	Atrazine	8.494	200	12240	1.536	ug/ml	93
91)	Carbazole	8.951	167	67657	1.553	ug/ml	98
92)	Di-n-butylphthalate	9.367	149	174334	3.417	ug/ml#	98
97)	Butyl benzyl phthalate	10.841	149	34707	1.628	ug/ml	90
106)	3,3'-Dichlorobenzidine	11.341	252	27263	1.454	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.484	149	56856	1.663	ug/ml#	90
109)	Di-n-octylphthalate	12.158	149	88503	1.545	ug/ml#	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

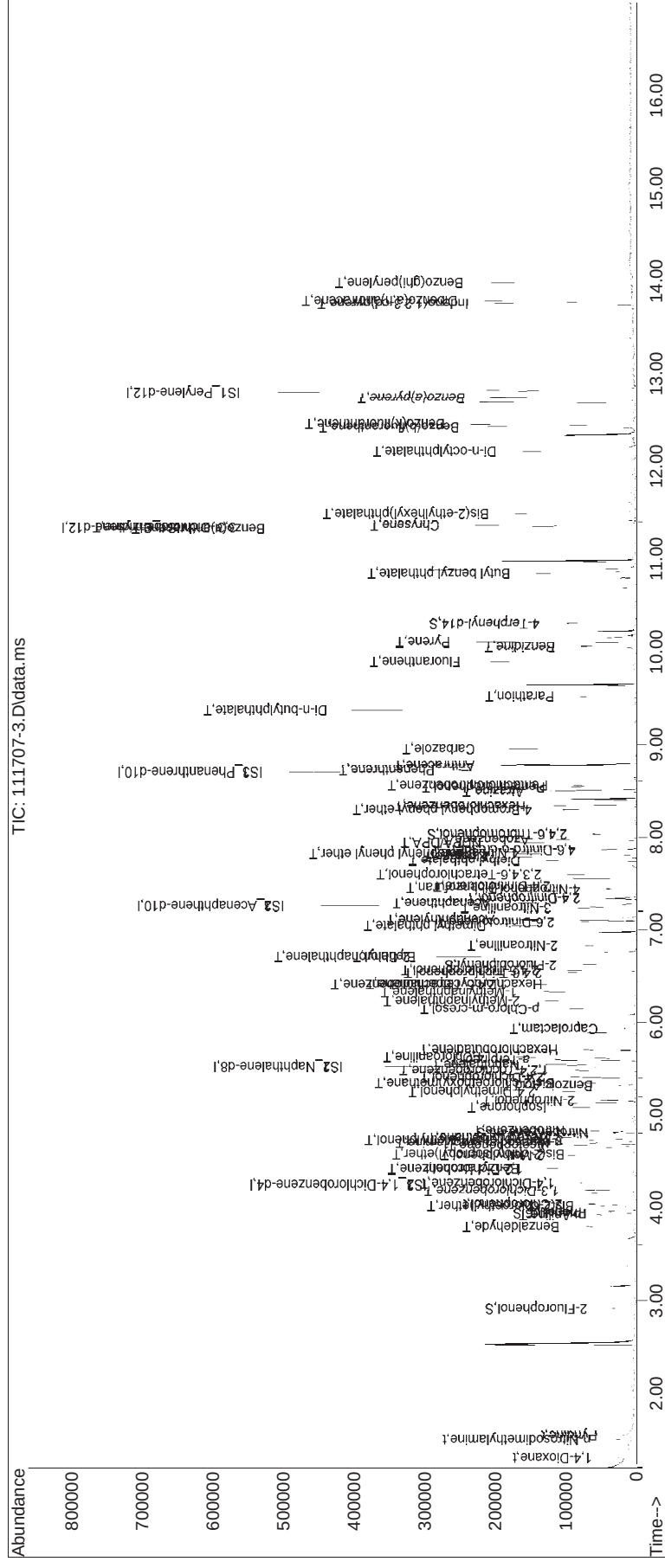
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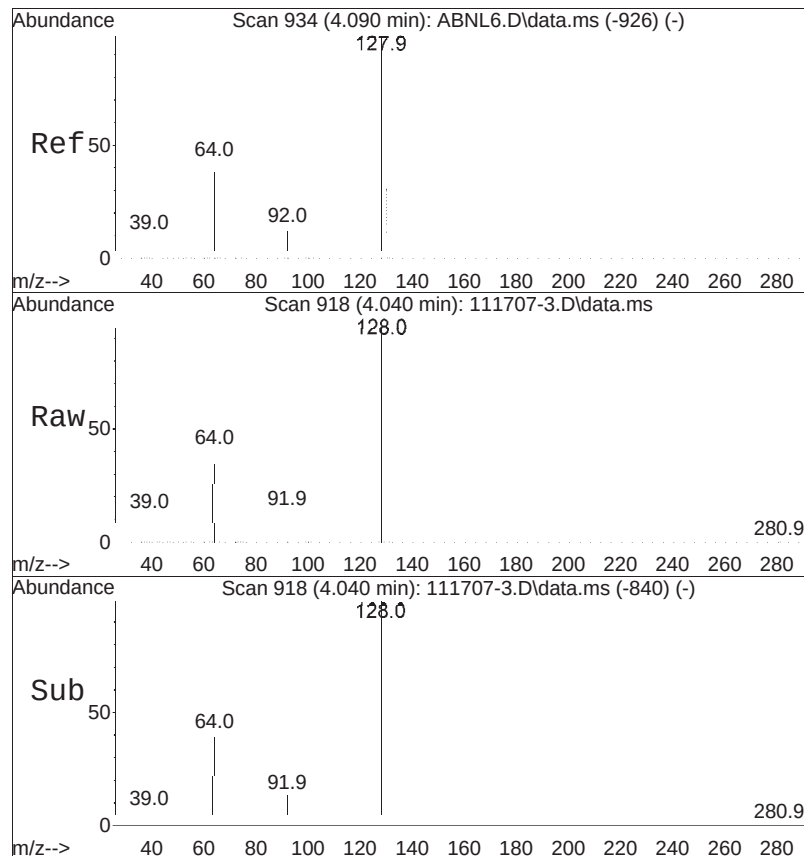
Data Path      : I:\8270\SV106\250908RVT\
Data File     : 111707-3.D
Acq On       : 8 Sep 2025 8:11 am
Operator      : SV106:jg
Sample        : WG2111707-3,32,,cmm
Misc          : wg2111831,WG2111707,ical
ALS Vial      : 3 Sample Multiplier: 1

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Quant Time: Sep 11 17:42:03 2025
Quant Method : I:\8270\SV106\250908RVT\F250827SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 06 08:56:15 2025
Response via : Initial Calibration

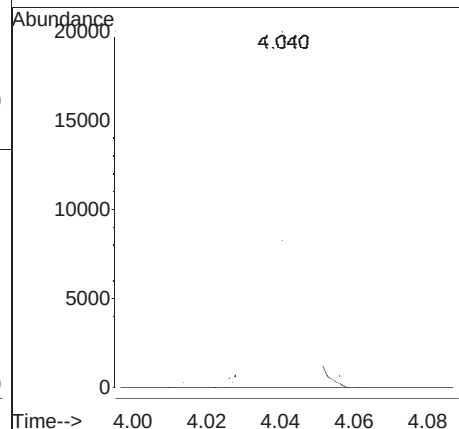
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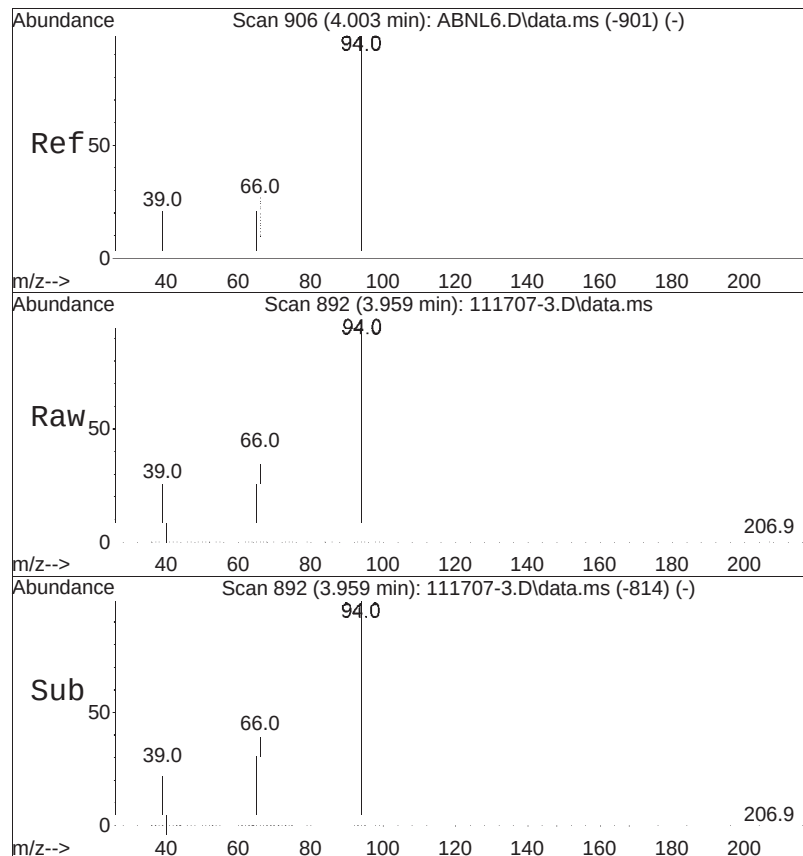




#6
 2-Chlorophenol
 Concen: 1.32 ug/ml
 RT: 4.040 min Scan# 918
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

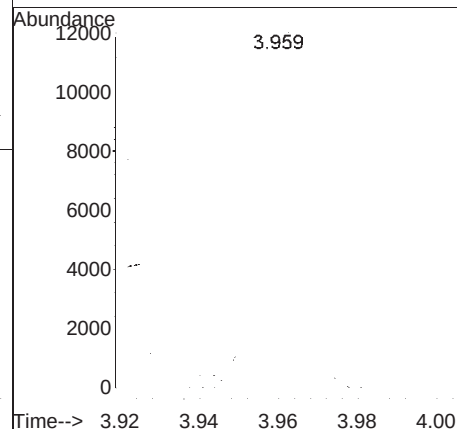
Tgt Ion	Ratio	Resp: Lower	Upper
128	100		
64	43.9	45.1	67.7#
130	31.7	26.2	39.4

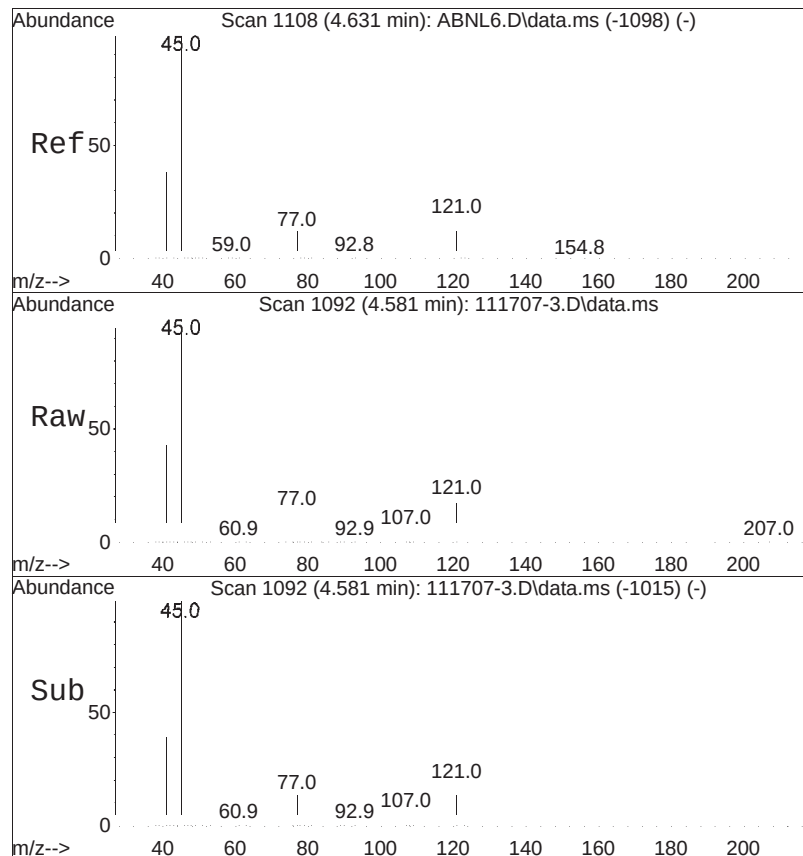




#8
 Phenol
 Concen: 0.74 ug/ml
 RT: 3.959 min Scan# 892
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

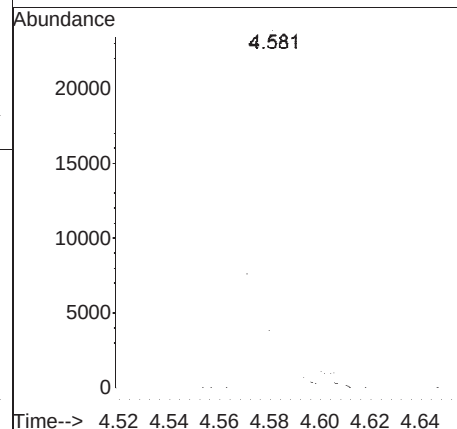
Tgt Ion:	94	Resp:	10129
Ion Ratio	Lower	Upper	
94	100		
65	29.7	26.0	39.0
66	40.9	33.8	50.8

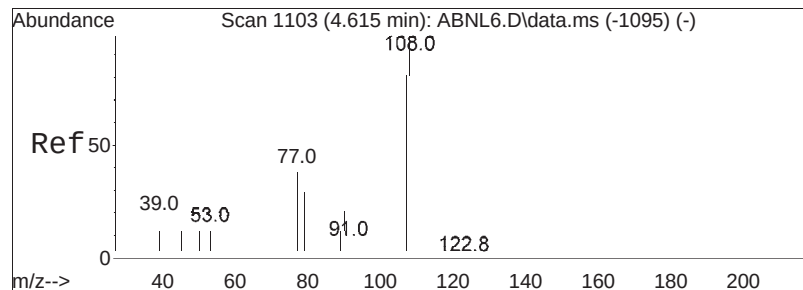




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.35 ug/ml
 RT: 4.581 min Scan# 1092
 Delta R.T. -0.009 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

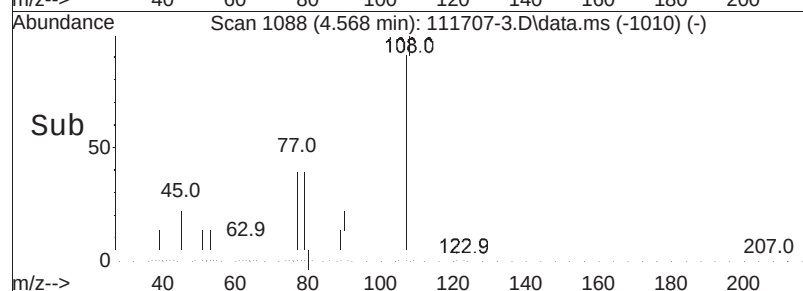
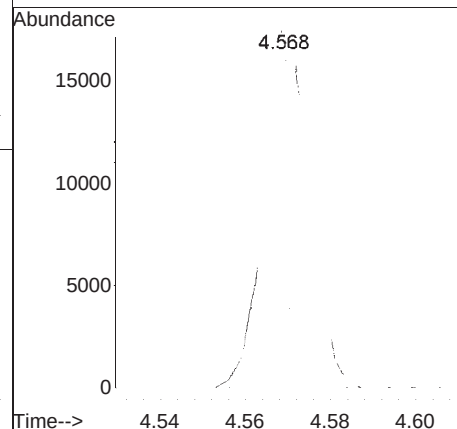
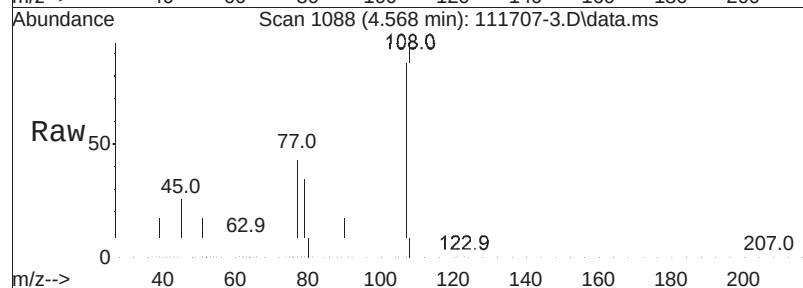
Tgt Ion:	45	Resp:	24053
Ion Ratio	Lower	Upper	
45	100		
121	18.4	9.8	14.6#
77	35.8	6.1	9.1#

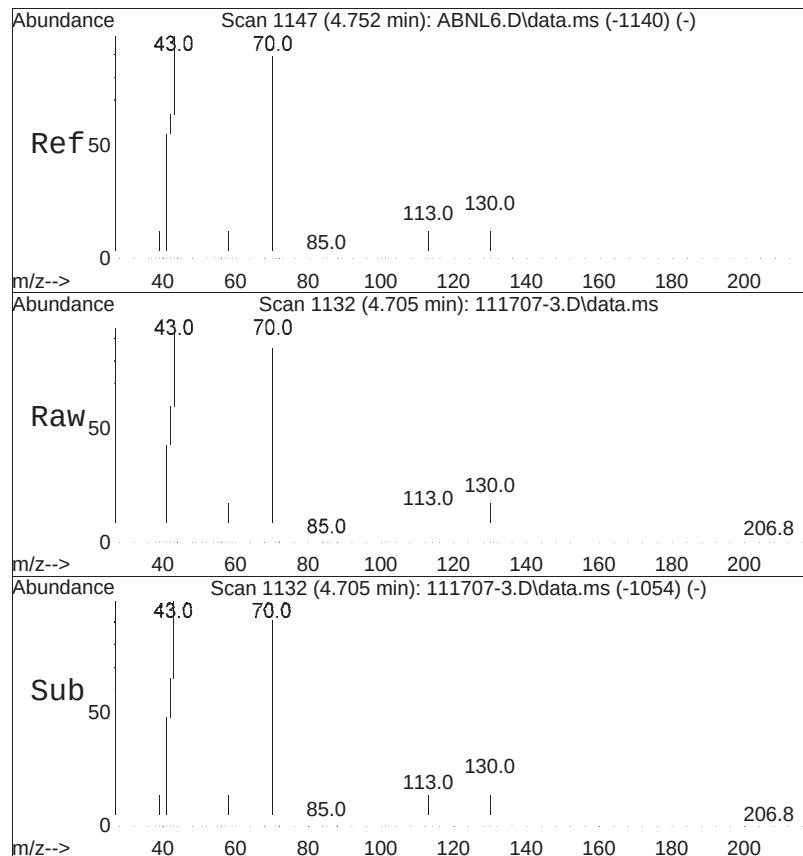




#15
 2-Methylphenol
 Concen: 1.25 ug/ml
 RT: 4.568 min Scan# 1088
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

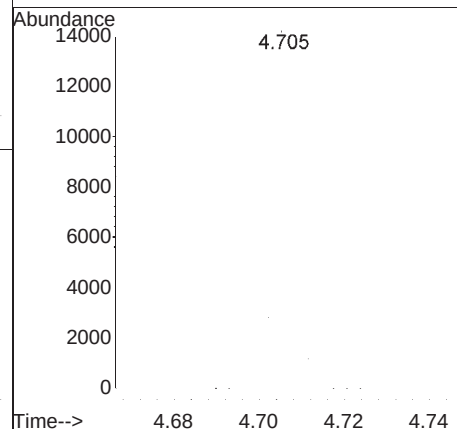
Tgt Ion	Ratio	Lower	Upper
108	100		
107	92.5	70.7	106.1
90	23.7	18.7	28.1

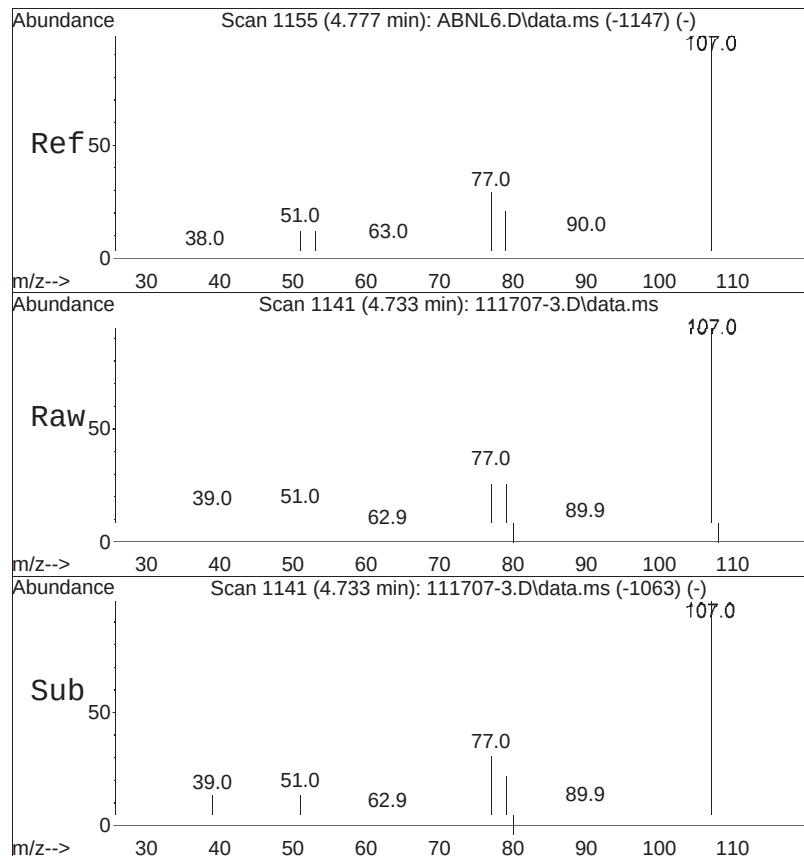




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.46 ug/ml
 RT: 4.705 min Scan# 1132
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

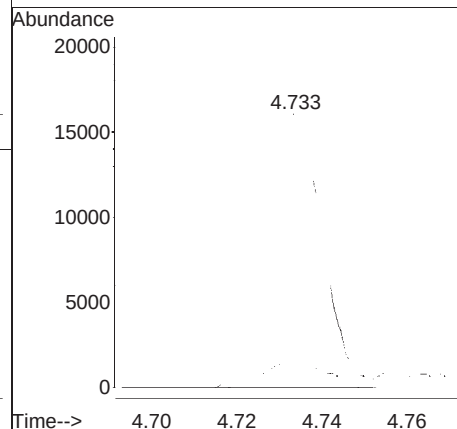
Tgt Ion	Ratio	Resp: Lower	Upper
70	100		
130	20.8	18.2	27.4
101	9.4	7.8	11.8

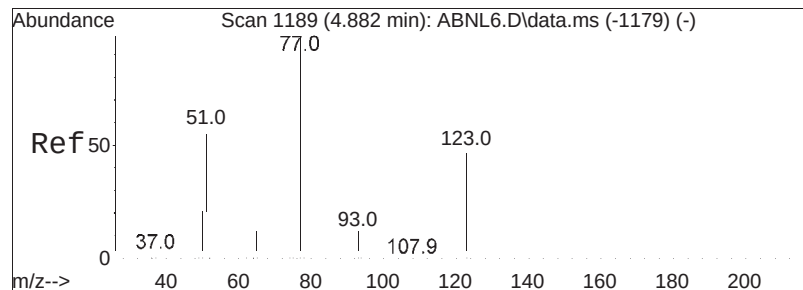




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.27 ug/ml
 RT: 4.733 min Scan# 1141
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

Tgt Ion:	108	Resp:	14644
Ion Ratio	Lower	Upper	
108	100		
107	106.8	88.6	132.8
90	10.6	8.8	13.2





#20

Nitrobenzene

Concen: 1.38 ug/ml

RT: 4.836 min Scan# 1174

Delta R.T. -0.006 min

Lab File: 111707-3.D

Acq: 8 Sep 2025 8:11 am

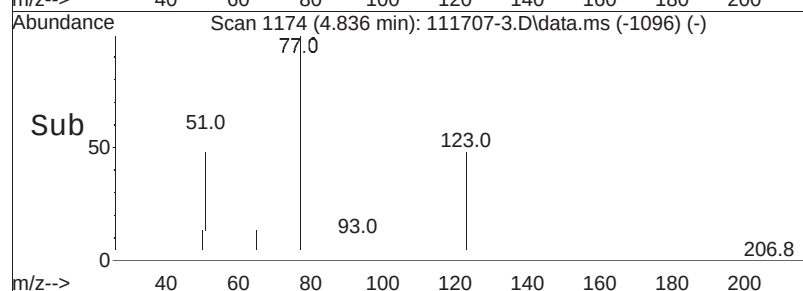
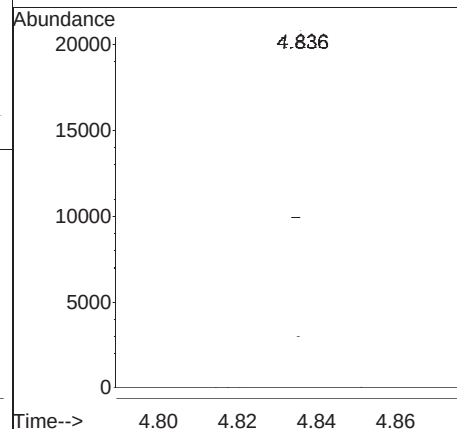
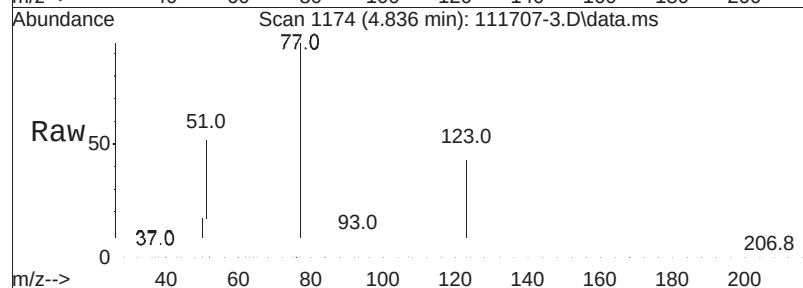
Tgt Ion: 77 Resp: 16593

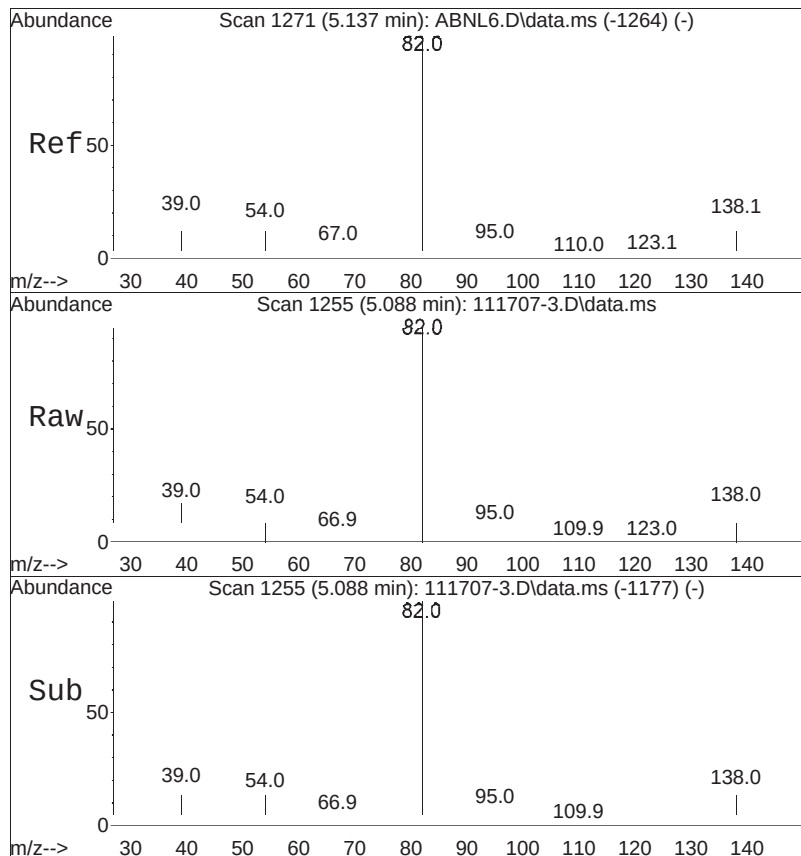
Ion Ratio Lower Upper

77 100

123 46.9 36.3 54.5

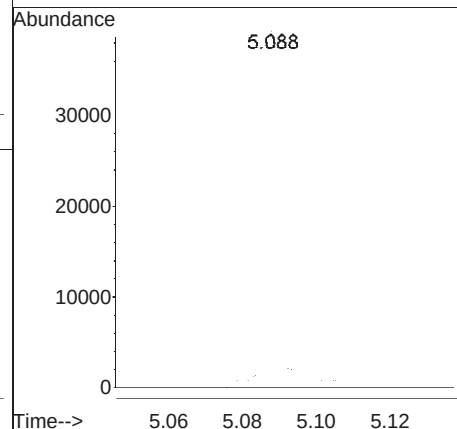
65 13.8 11.6 17.4

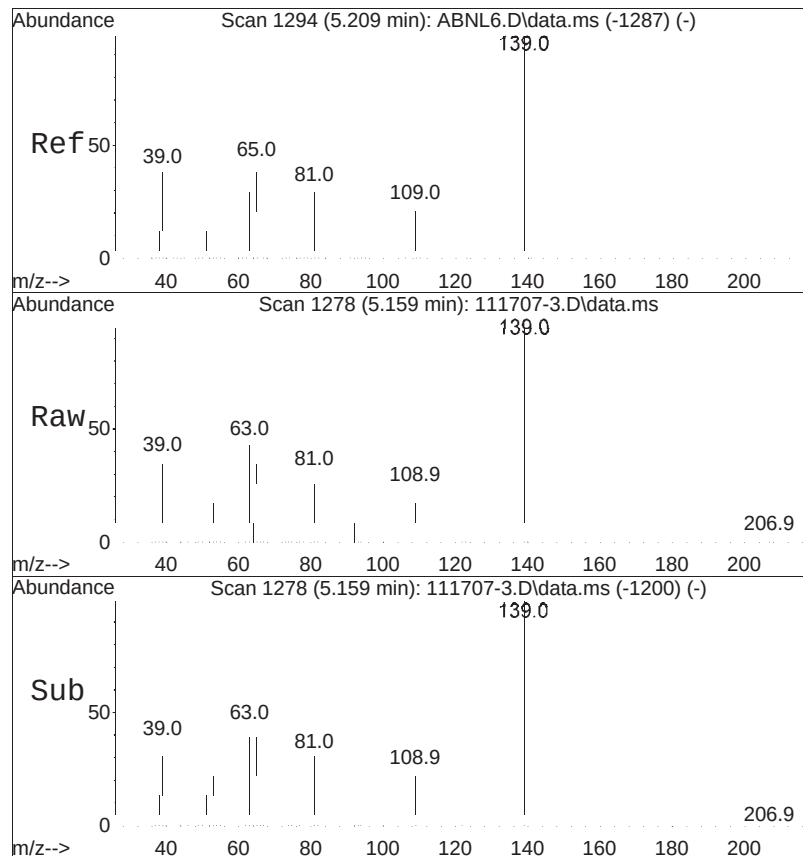




#21
 Isophorone
 Concen: 1.37 ug/ml
 RT: 5.088 min Scan# 1255
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

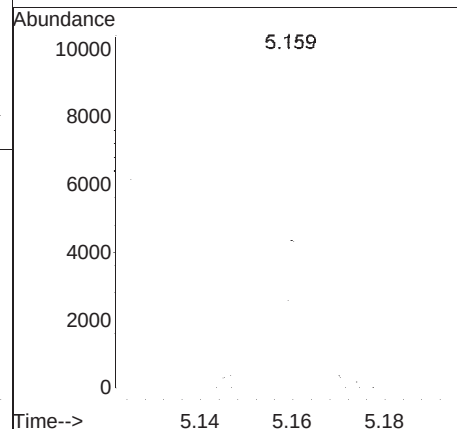
Tgt Ion:	82	Resp:	30065
Ion Ratio	Lower	Upper	
82	100		
138	17.5	14.7	22.1
95	6.9	5.2	7.8

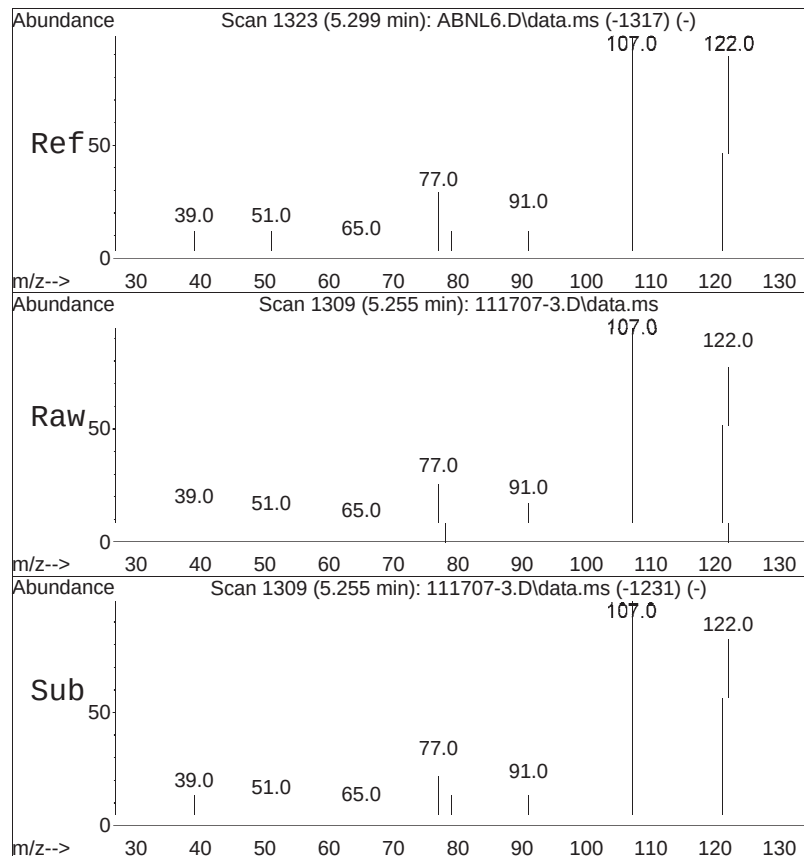




#22
 2-Nitrophenol
 Concen: 1.40 ug/ml
 RT: 5.159 min Scan# 1278
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

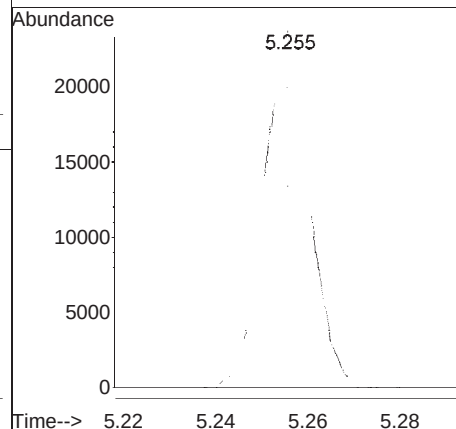
Tgt Ion	Ratio	Resp: Lower	Upper
139	100		
109	23.2	19.4	29.0
65	44.4	46.1	69.1#

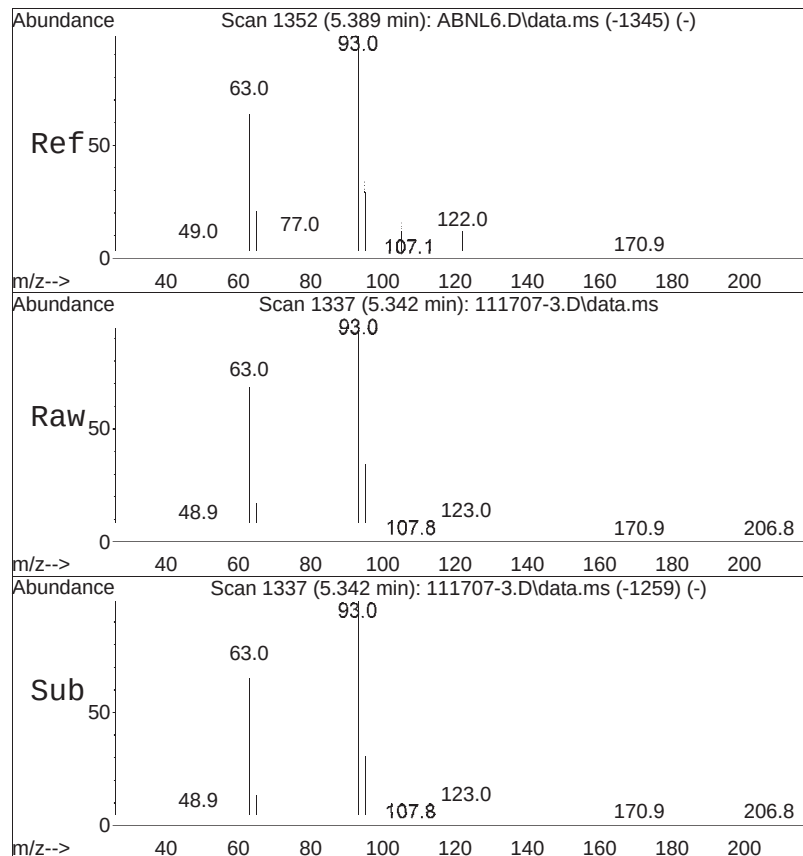




#23
 2,4-Dimethylphenol
 Concen: 1.34 ug/ml
 RT: 5.255 min Scan# 1309
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

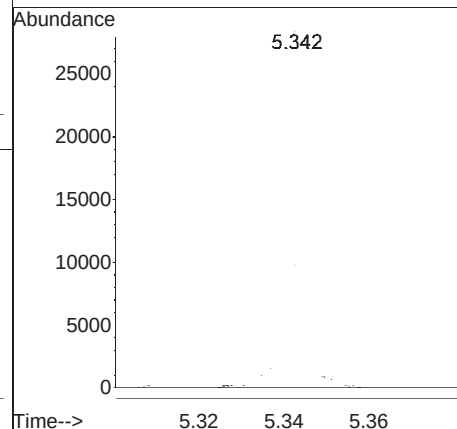
Tgt Ion	Ratio	Lower	Upper
107	100		
121	55.6	40.0	60.0
122	93.1	70.2	105.4

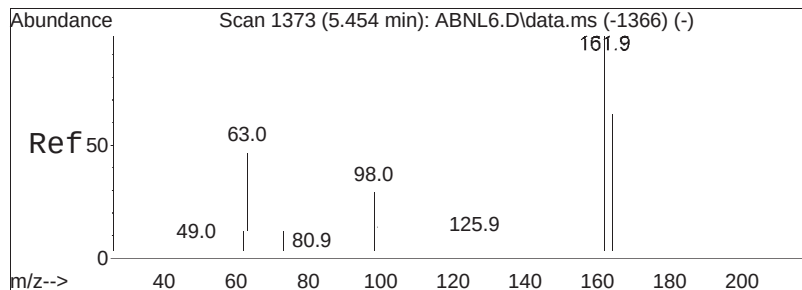




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.45 ug/ml
 RT: 5.342 min Scan# 1337
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

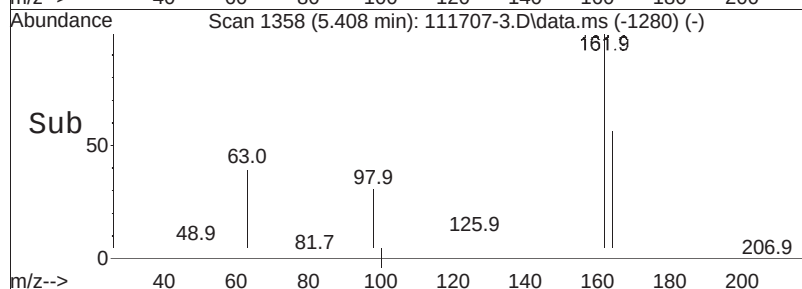
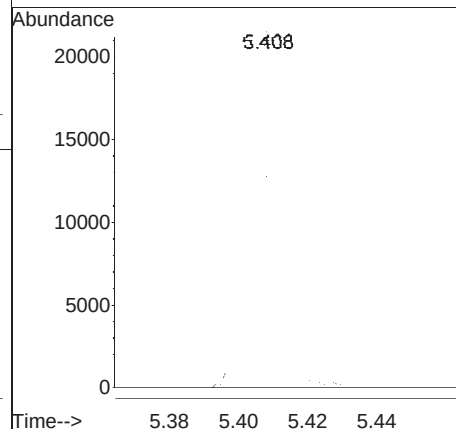
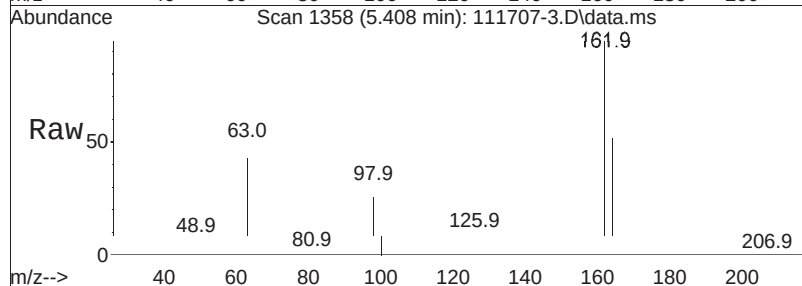
Tgt Ion: 93	Resp: 21325
Ion Ratio	Lower Upper
93 100	
95 33.0	25.8 38.8
123 9.5	10.1 15.1#

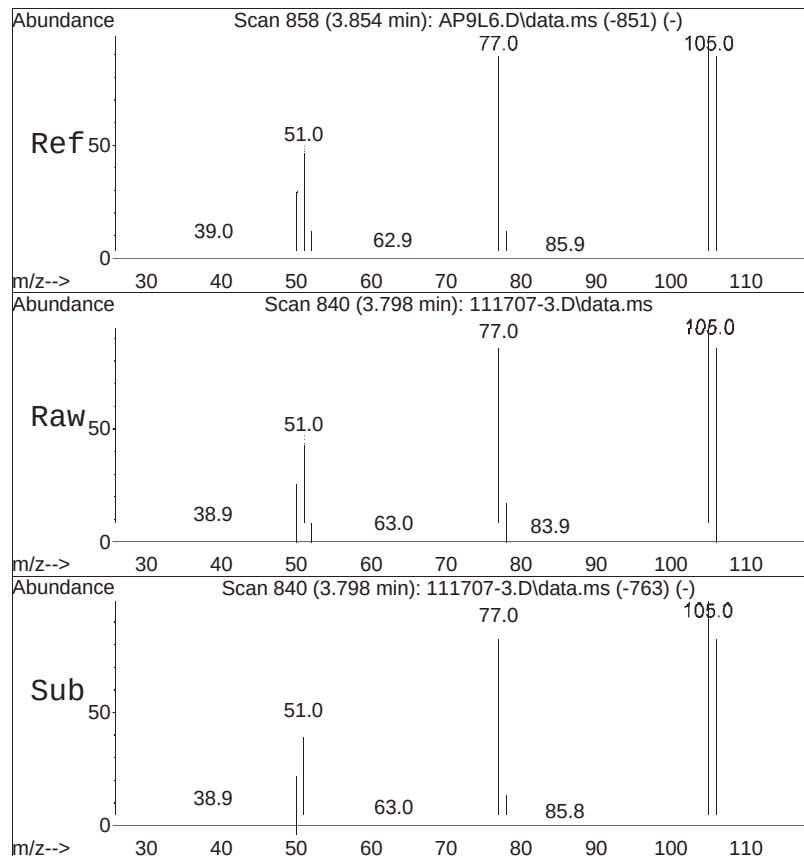




#25
 2,4-Dichlorophenol
 Concen: 1.43 ug/ml
 RT: 5.408 min Scan# 1358
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

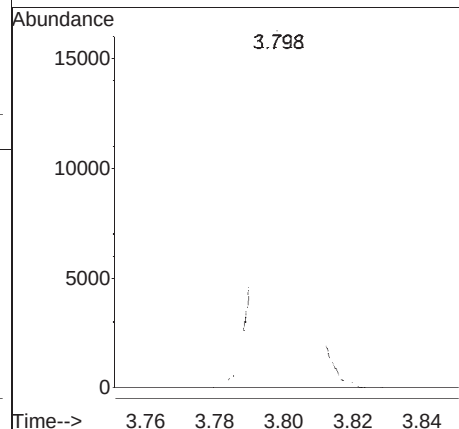
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.0	51.0	76.4
98	30.8	32.2	48.2#

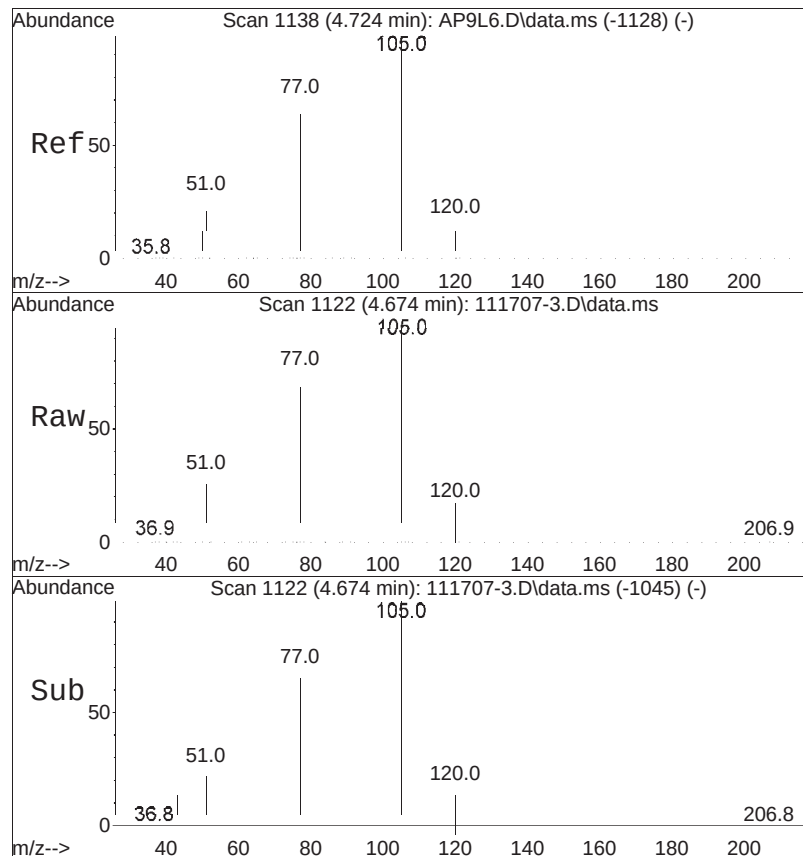




#28
 Benzaldehyde
 Concen: 2.31 ug/ml
 RT: 3.798 min Scan# 840
 Delta R.T. -0.009 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

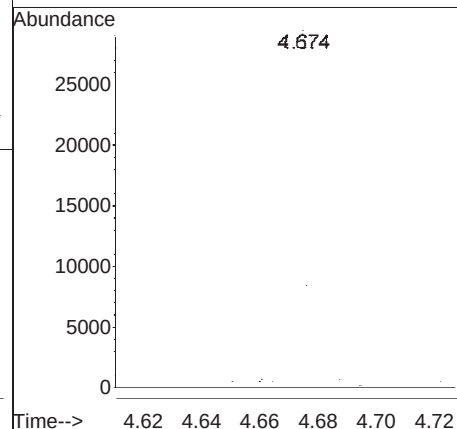
Tgt Ion	Ratio	Lower	Upper
105	100		
77	89.5	82.2	123.4

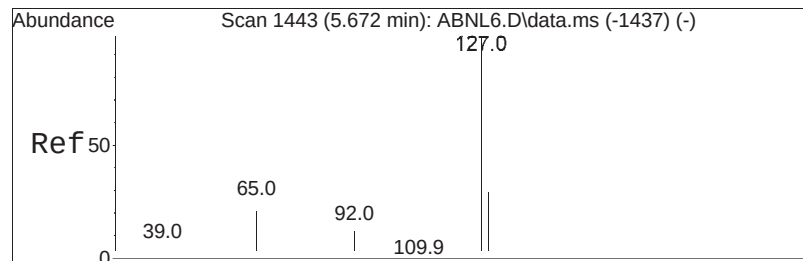




#29
 Acetophenone
 Concen: 1.37 ug/ml
 RT: 4.674 min Scan# 1122
 Delta R.T. -0.009 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

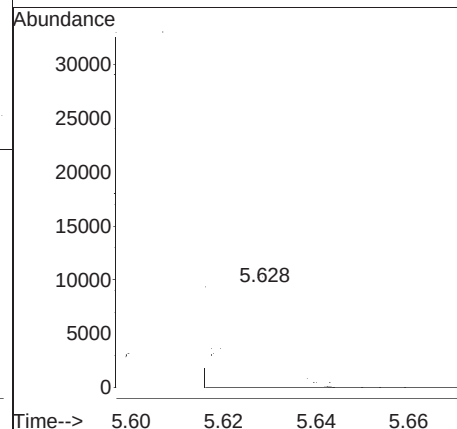
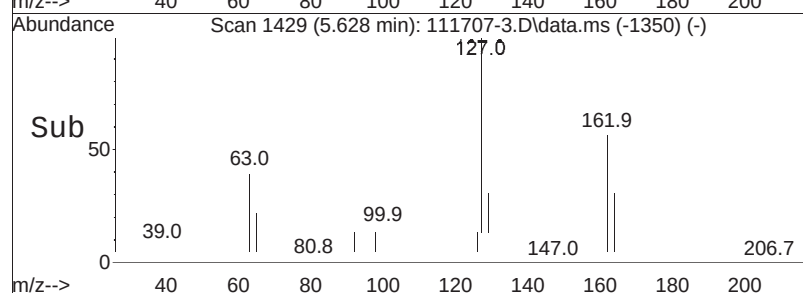
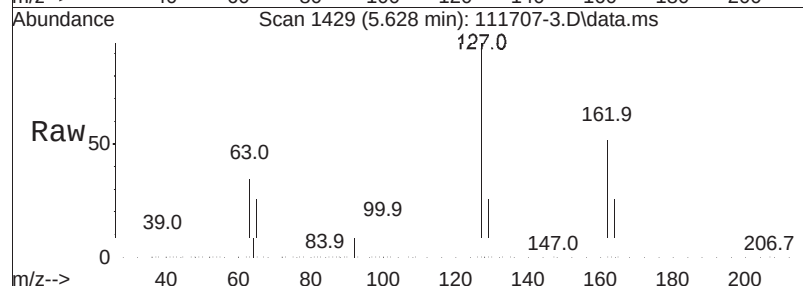
Tgt Ion	105	Resp:	24866
Ion Ratio	Lower	Upper	
105	100		
120	18.6	20.5	30.7#
51	31.5	34.9	52.3#

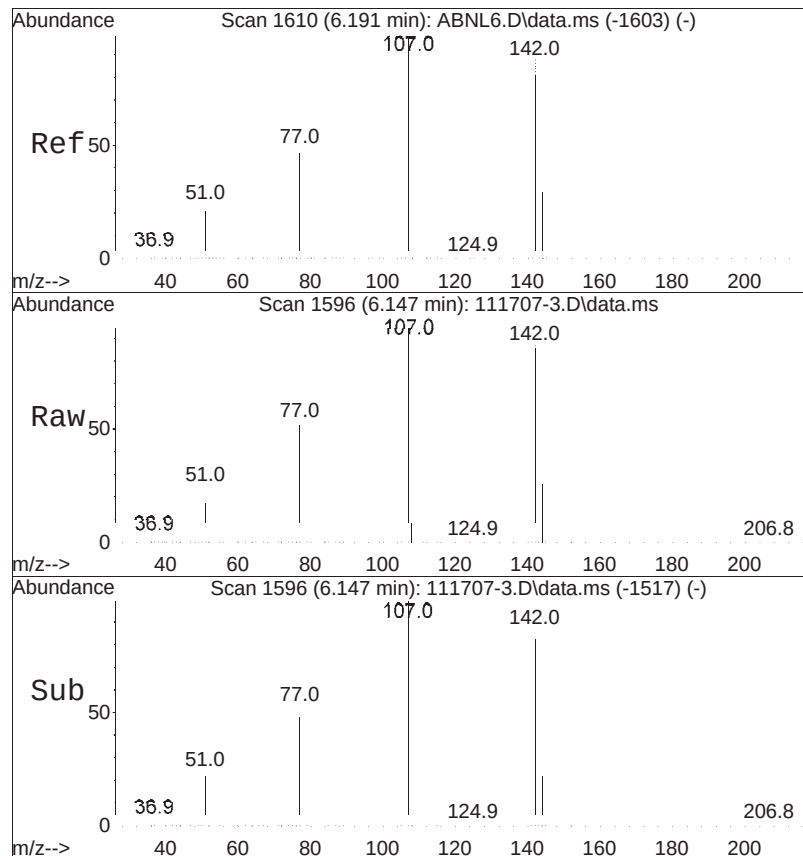




#38
 4-Chloroaniline
 Concen: 1.57 ug/ml M3
 RT: 5.628 min Scan# 1429
 Delta R.T. -0.003 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

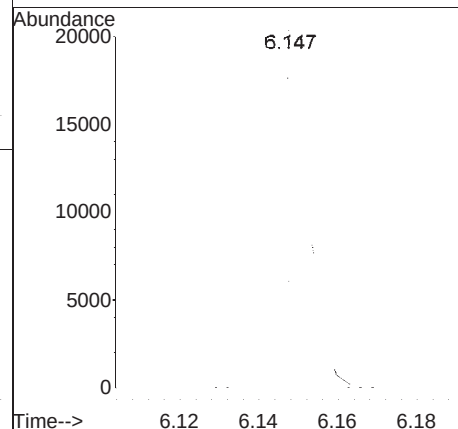
Tgt Ion	Ratio	Lower	Upper
65	100		
127	362.2	237.6	356.4#
129	115.3	76.3	114.5#

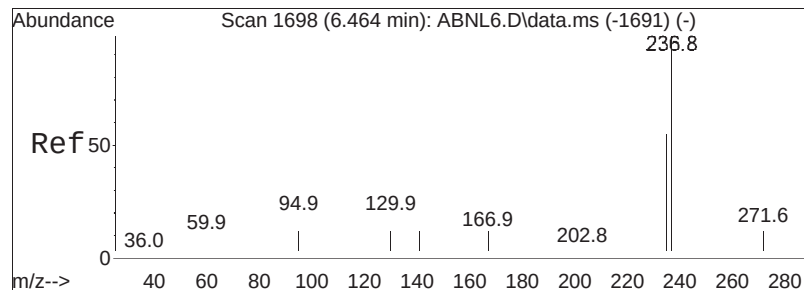




#40
 p-Chloro-m-cresol
 Concen: 1.47 ug/ml
 RT: 6.147 min Scan# 1596
 Delta R.T. -0.003 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

Tgt	Ion:107	Resp:	15423
Ion	Ratio	Lower	Upper
107	100		
144	28.3	20.9	31.3
142	86.0	66.1	99.1





#43

Hexachlorocyclopentadiene

Concen: 0.90 ug/ml

RT: 6.418 min Scan# 1683

Delta R.T. -0.003 min

Lab File: 111707-3.D

Acq: 8 Sep 2025 8:11 am

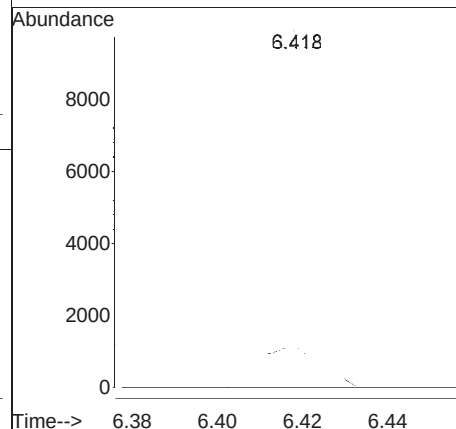
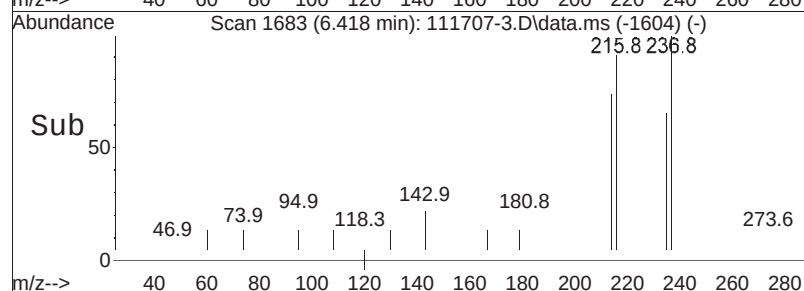
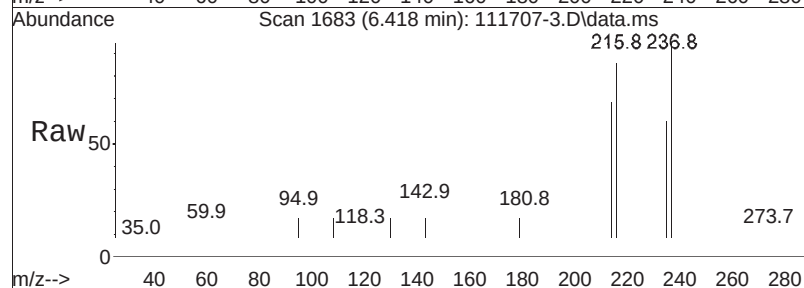
Tgt Ion: 237 Resp: 8423

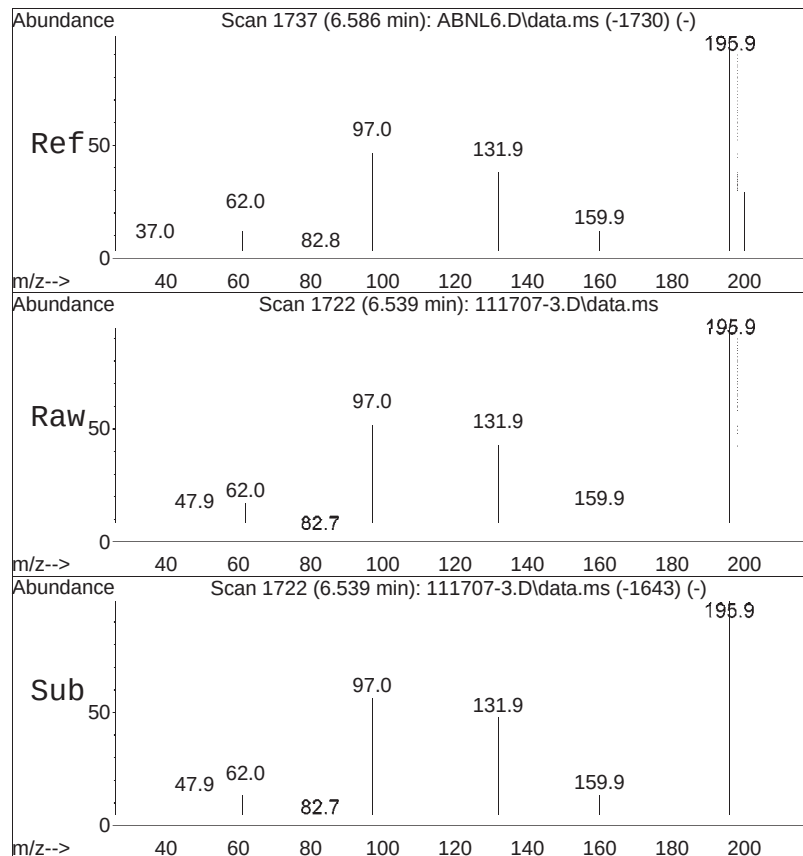
Ion Ratio Lower Upper

237 100

235 64.4 49.7 74.5

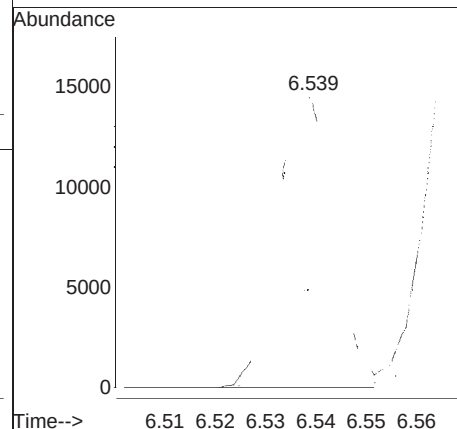
272 12.3 9.8 14.6

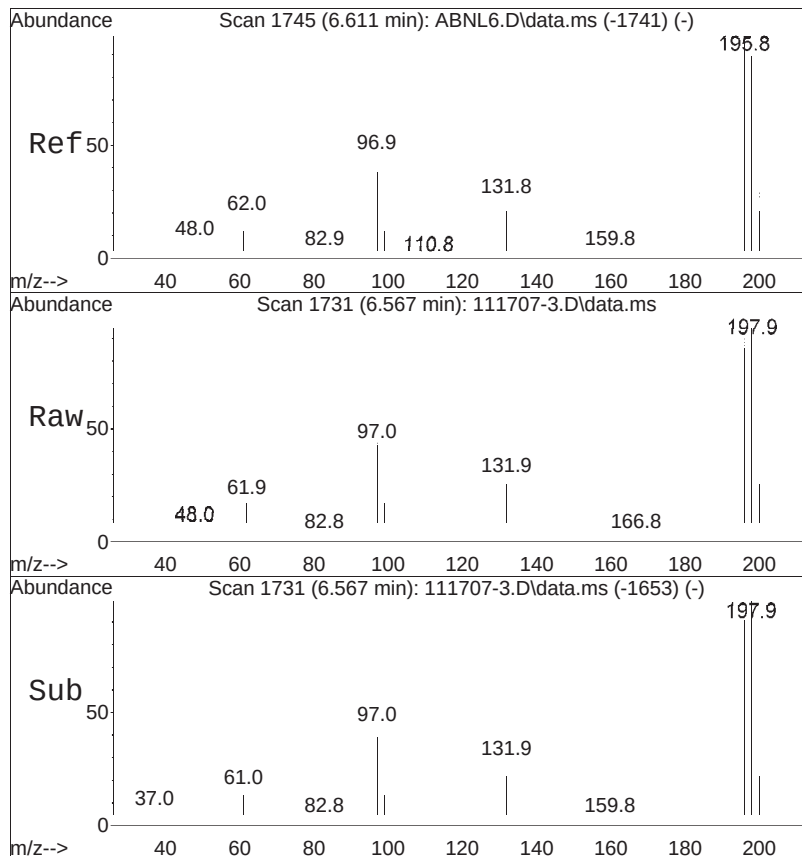




#44
 2,4,6-Trichlorophenol
 Concen: 1.44 ug/ml
 RT: 6.539 min Scan# 1722
 Delta R.T. -0.003 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

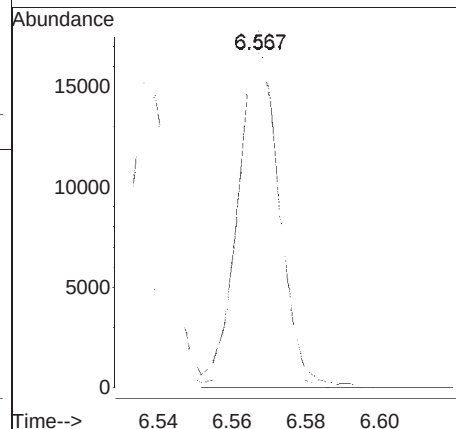
Tgt Ion:	196	Resp:	11331
Ion Ratio	Lower	Upper	
196	100		
198	102.6	77.5	116.3
200	33.3	23.8	35.6

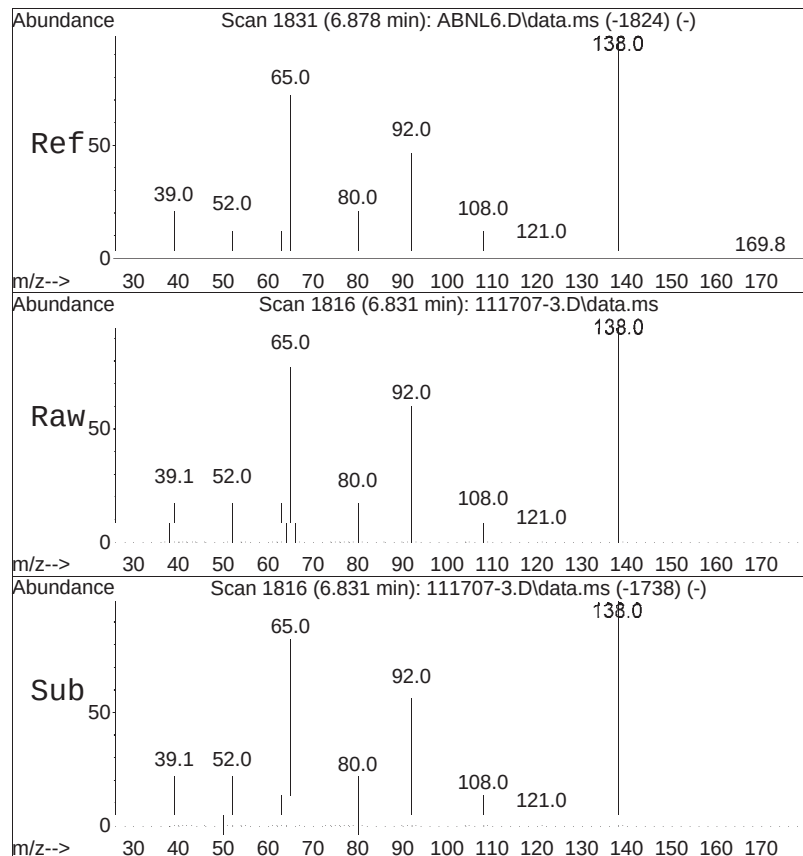




#45
 2,4,5-Trichlorophenol
 Concen: 1.48 ug/ml
 RT: 6.567 min Scan# 1731
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

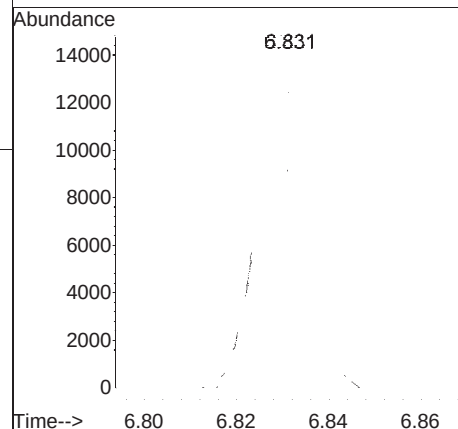
Tgt Ion	196	198	Resp	13121
Ion Ratio	100	102.4		
Lower		78.0		
Upper		117.0		

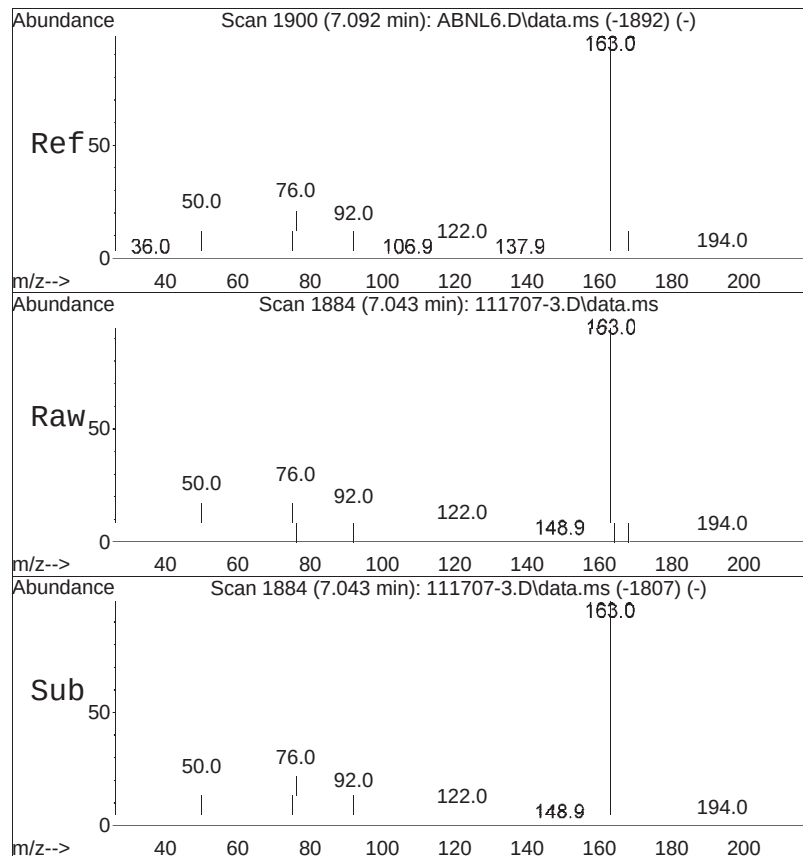




#48
 2-Nitroaniline
 Concen: 1.51 ug/ml
 RT: 6.831 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

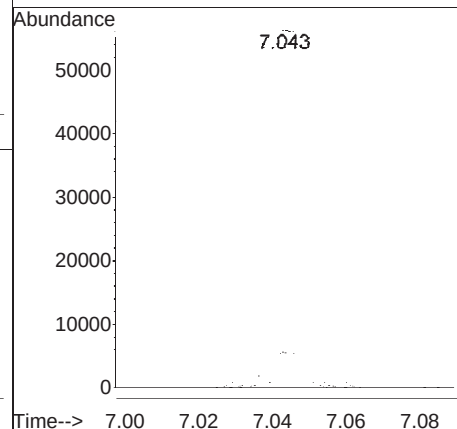
Tgt Ion:	138	Resp:	11529
Ion Ratio	Lower	Upper	
138	100		
92	57.5	53.5	80.3
65	82.4	86.3	129.5#

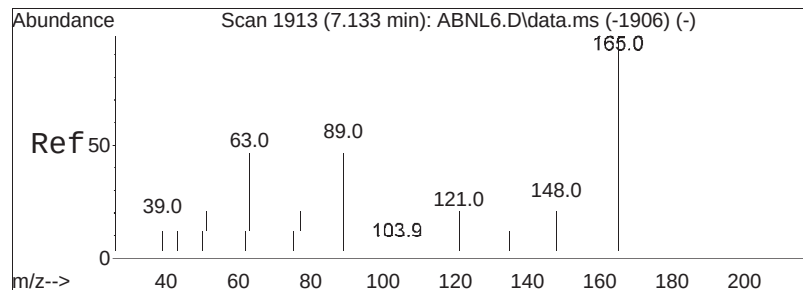




#51
 Dimethyl phthalate
 Concen: 1.42 ug/ml
 RT: 7.043 min Scan# 1884
 Delta R.T. -0.009 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

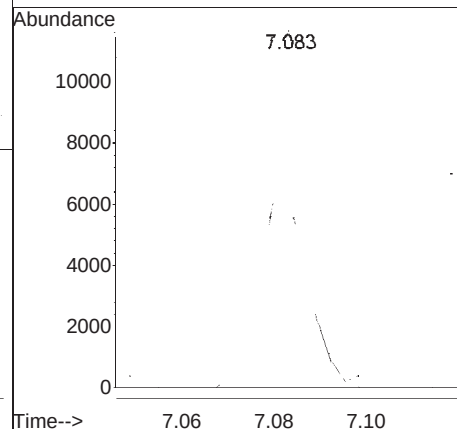
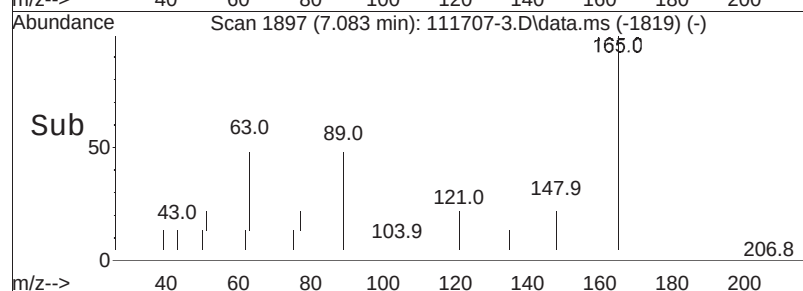
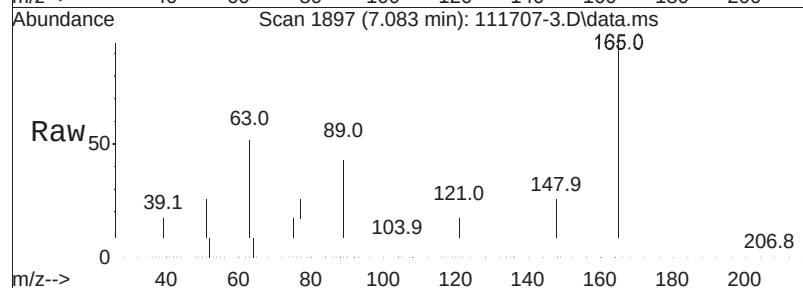
Tgt Ion:	163	Resp:	44885
Ion Ratio	Lower	Upper	
163	100		
194	2.7	3.5	5.3#
164	10.2	7.9	11.9

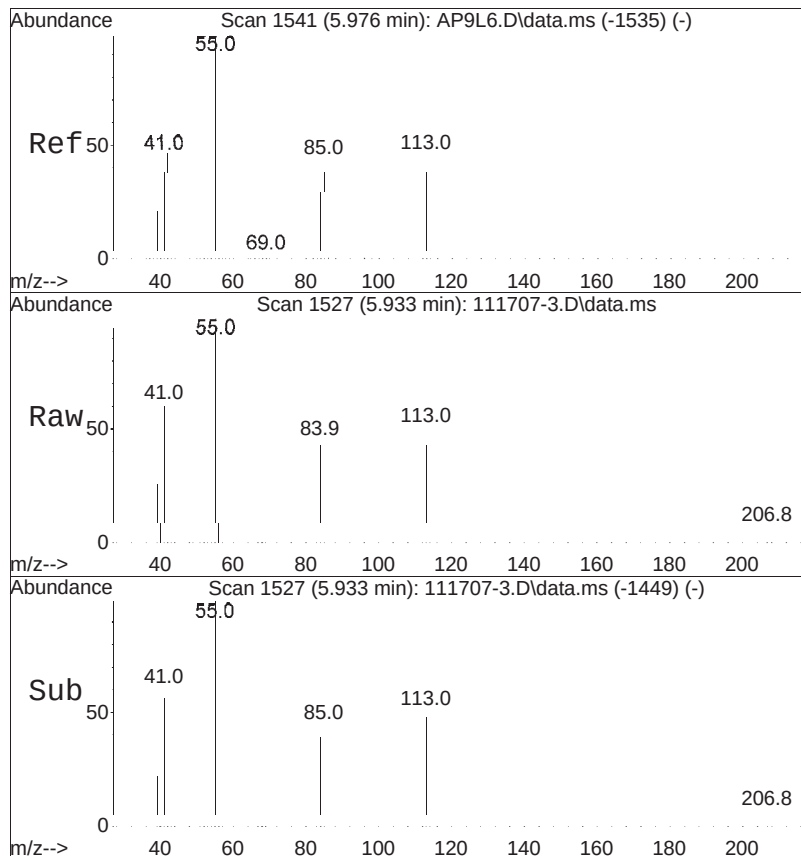




#53
 2,6-Dinitrotoluene
 Concen: 1.39 ug/ml
 RT: 7.083 min Scan# 1897
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

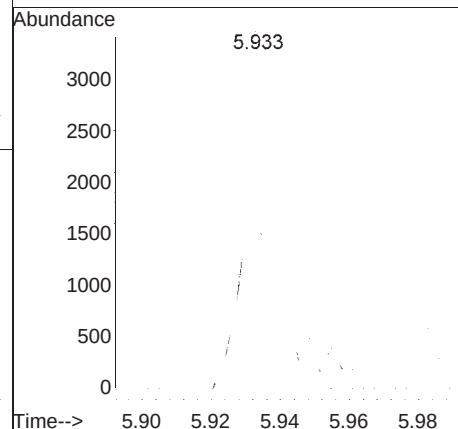
Tgt Ion:	165	Resp:	8555
Ion Ratio	Lower	Upper	
165	100		
89	57.3	54.2	81.2
63	54.9	64.2	96.2#

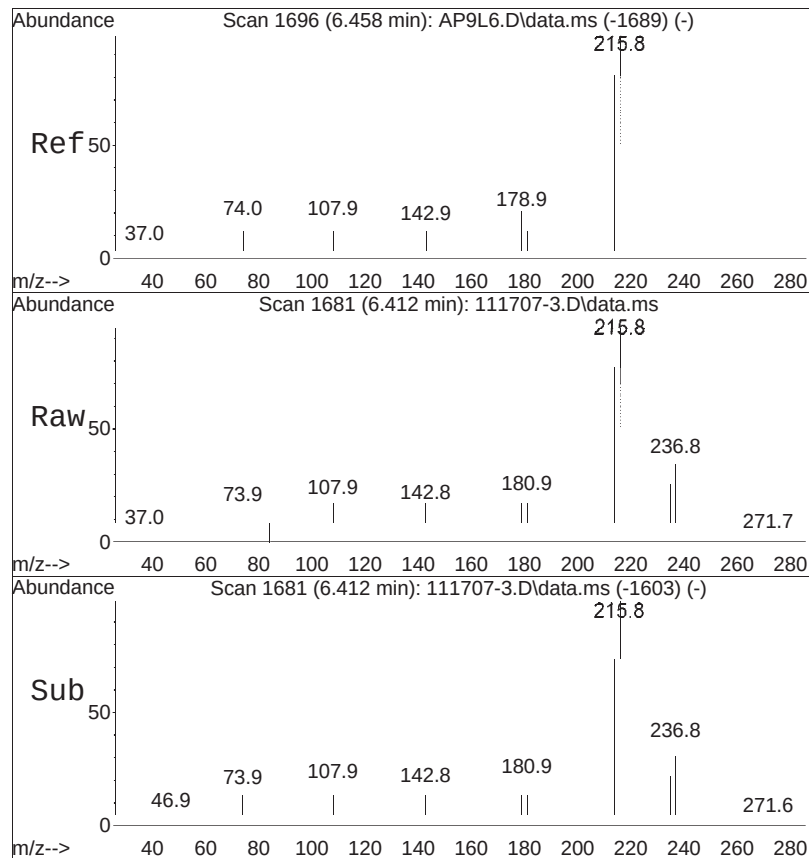




#60
 Caprolactam
 Concen: 0.65 ug/ml
 RT: 5.933 min Scan# 1527
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

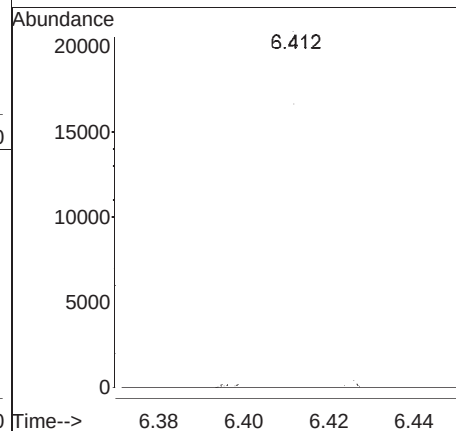
Tgt Ion	Ratio	Resp	Lower	Upper
55	100	3389		
85	49.4		19.8	29.6#
113	44.5		29.6	44.4#

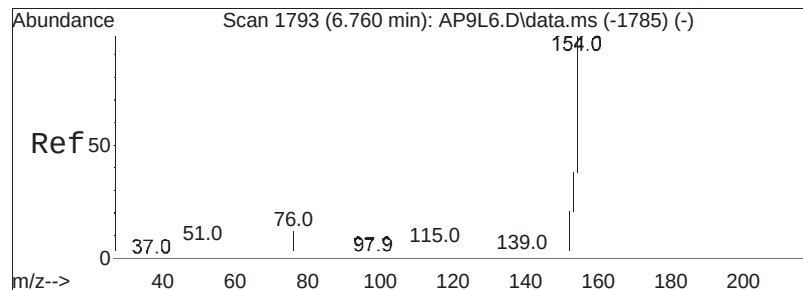




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.17 ug/ml
 RT: 6.412 min Scan# 1681
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

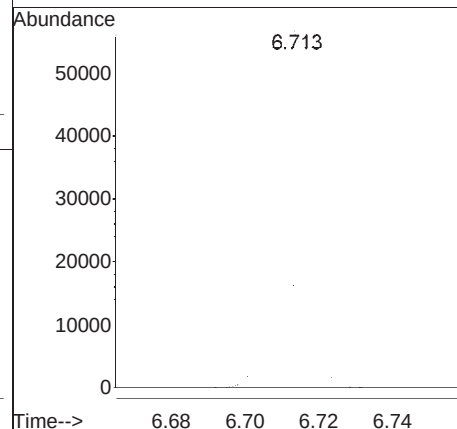
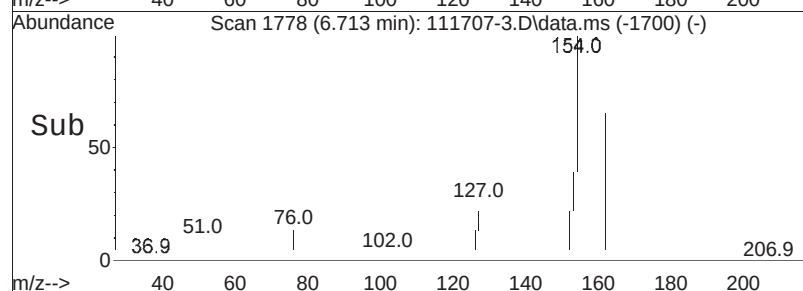
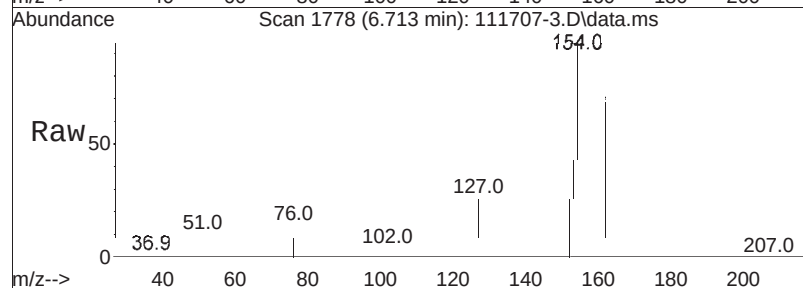
Tgt Ion:	216	Resp:	16061
Ion Ratio	Lower	Upper	
216	100		
214	80.3	63.7	95.5
179	19.7	19.0	28.6

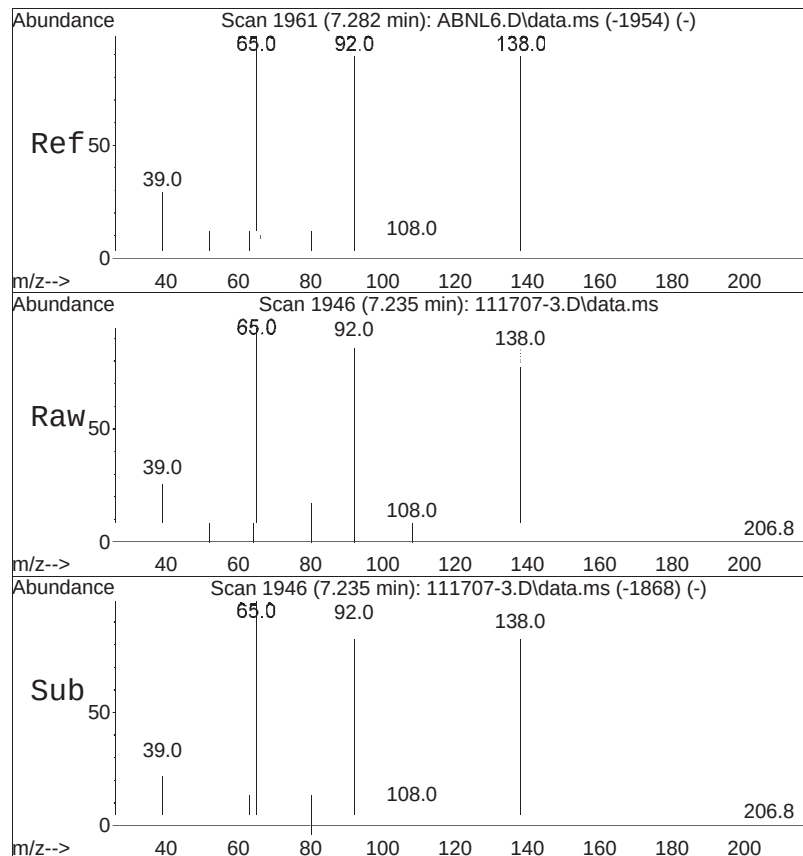




#62
 Biphenyl
 Concen: 1.30 ug/ml
 RT: 6.713 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

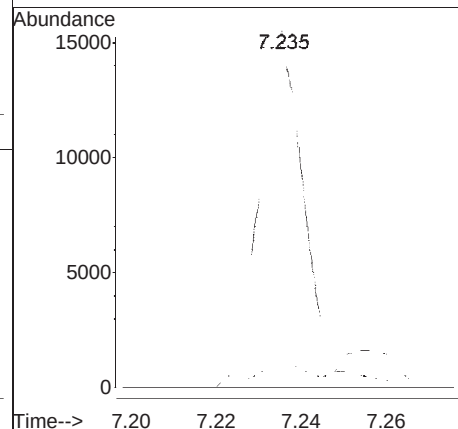
Tgt Ion:	154	Resp:	44602
Ion Ratio	Lower	Upper	
154	100		
153	41.0	32.3	48.5
152	27.7	22.5	33.7

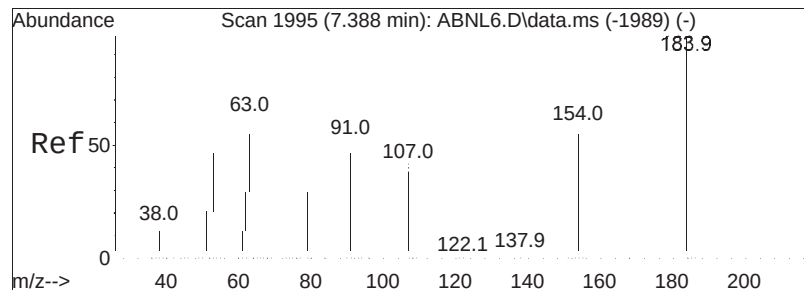




#64
 3-Nitroaniline
 Concen: 1.48 ug/ml
 RT: 7.235 min Scan# 1946
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

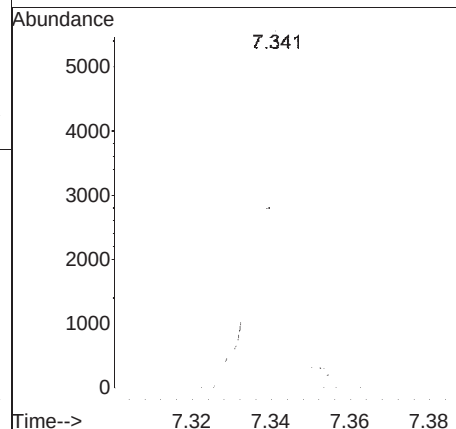
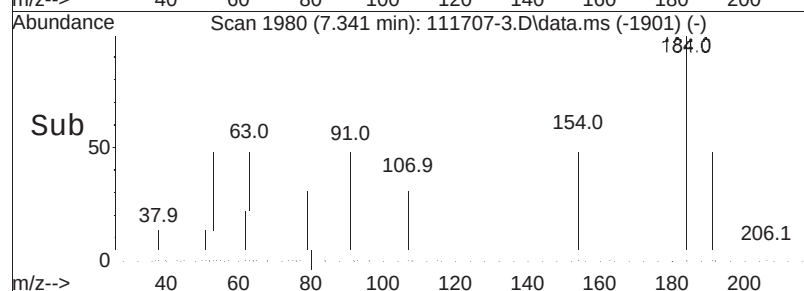
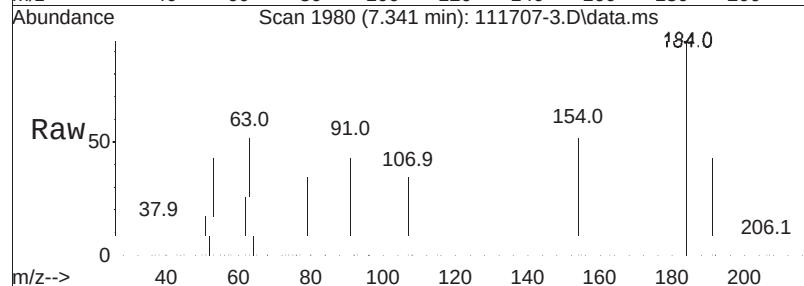
Tgt Ion	Ratio	Lower	Upper
138	100		
92	106.7	93.4	140.2
108	9.2	9.5	14.3

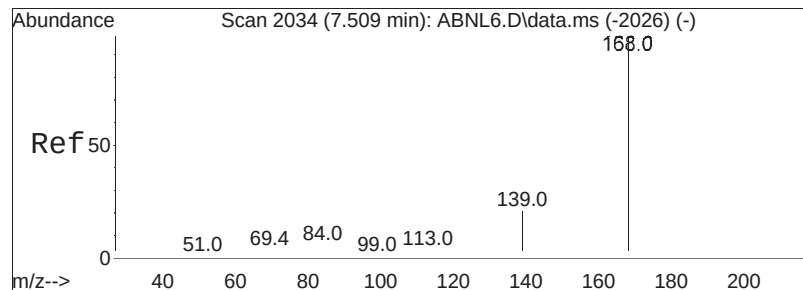




#66
 2,4-Dinitrophenol
 Concen: 1.26 ug/ml
 RT: 7.341 min Scan# 1980
 Delta R.T. -0.003 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

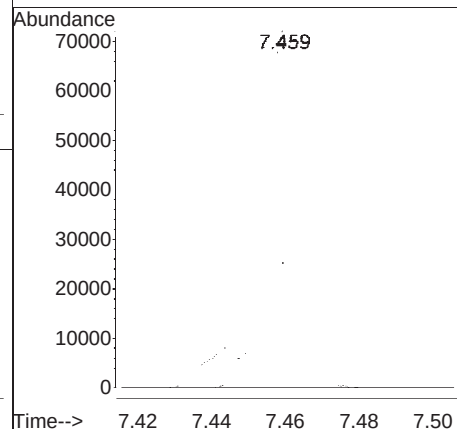
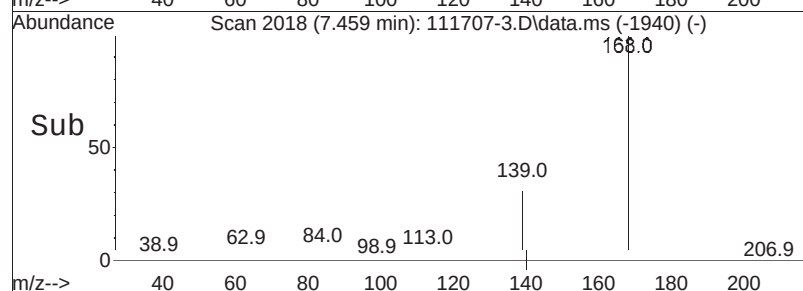
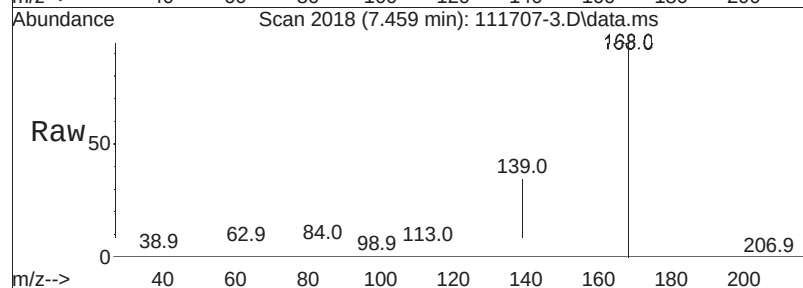
Tgt Ion:	184	Resp:	4480
Ion Ratio	Lower	Upper	
184	100		
107	38.0	37.7	56.5
91	51.8	46.3	69.5

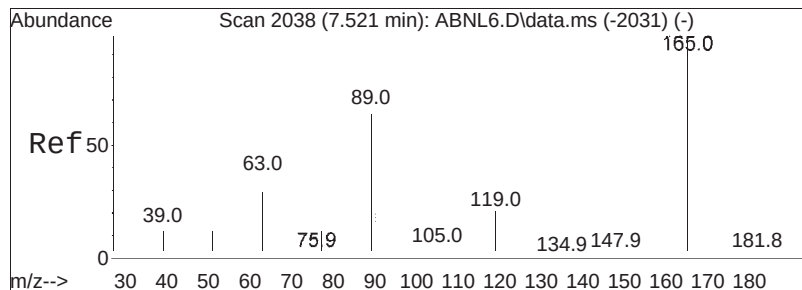




#67
 Dibenzofuran
 Concen: 1.41 ug/ml
 RT: 7.459 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

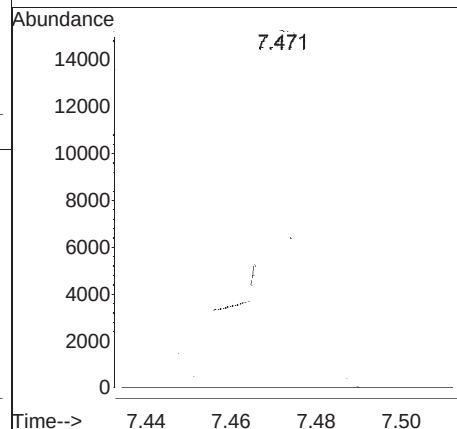
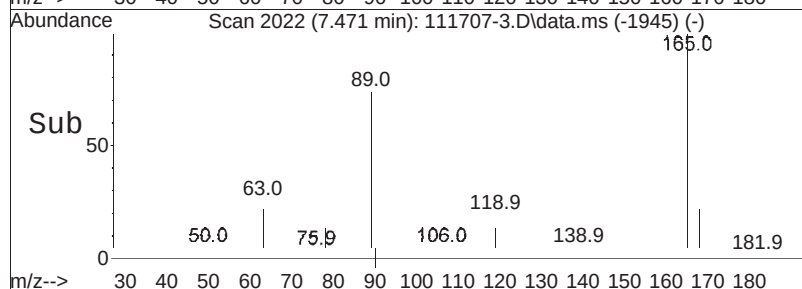
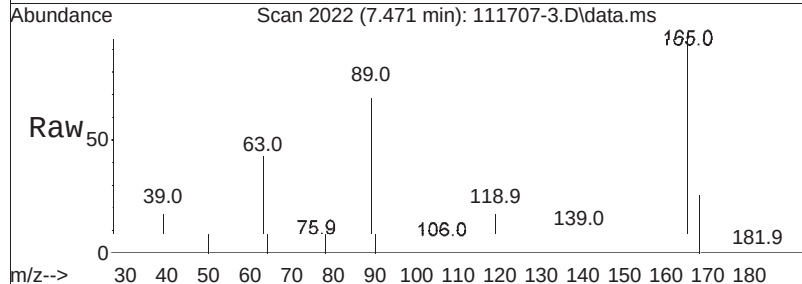
Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.8	31.4	47.2

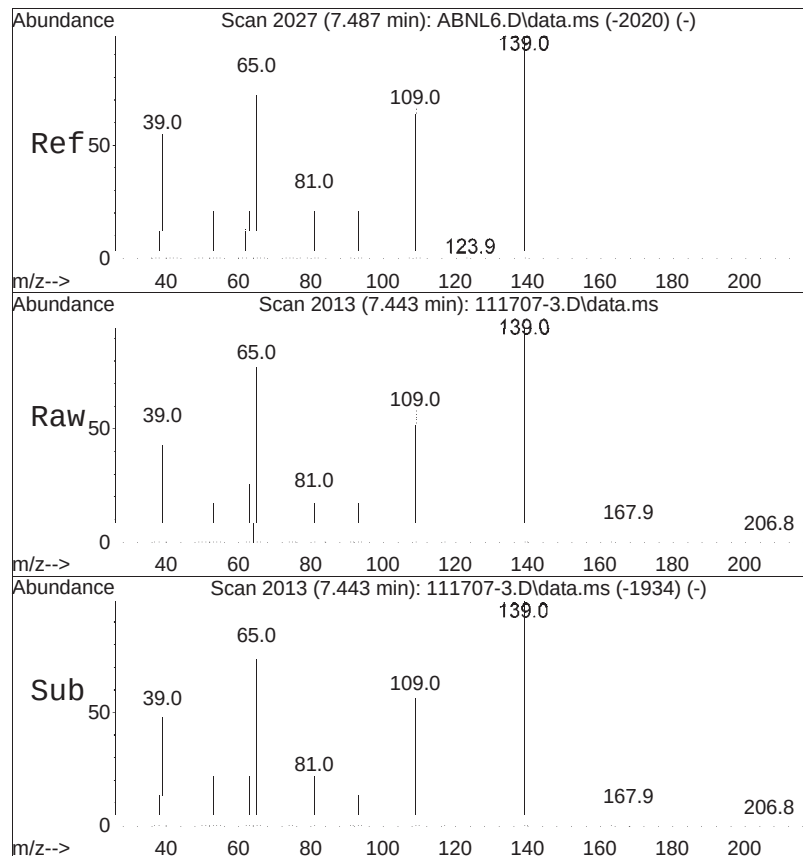




#68
 2,4-Dinitrotoluene
 Concen: 1.46 ug/ml
 RT: 7.471 min Scan# 2022
 Delta R.T. -0.009 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

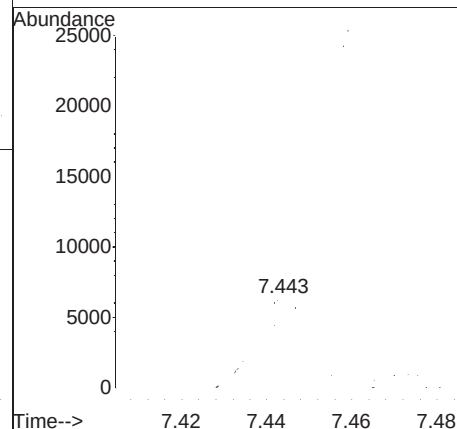
Tgt Ion	Ratio	Lower	Upper
165	100		
89	83.1	72.0	108.0
63	62.4	52.7	79.1

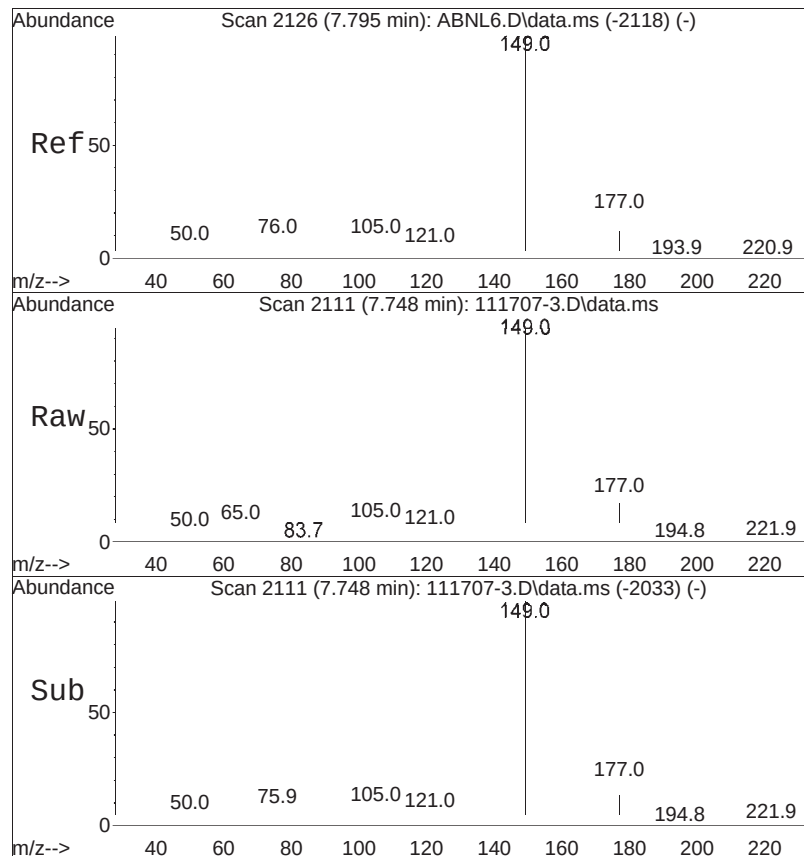




#69
 4-Nitrophenol
 Concen: 1.02 ug/ml
 RT: 7.443 min Scan# 2013
 Delta R.T. -0.003 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

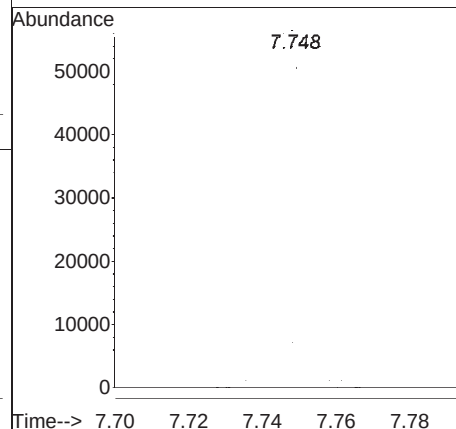
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	5201		
109	69.0		47.4	71.2
139	0.0		76.6	115.0#

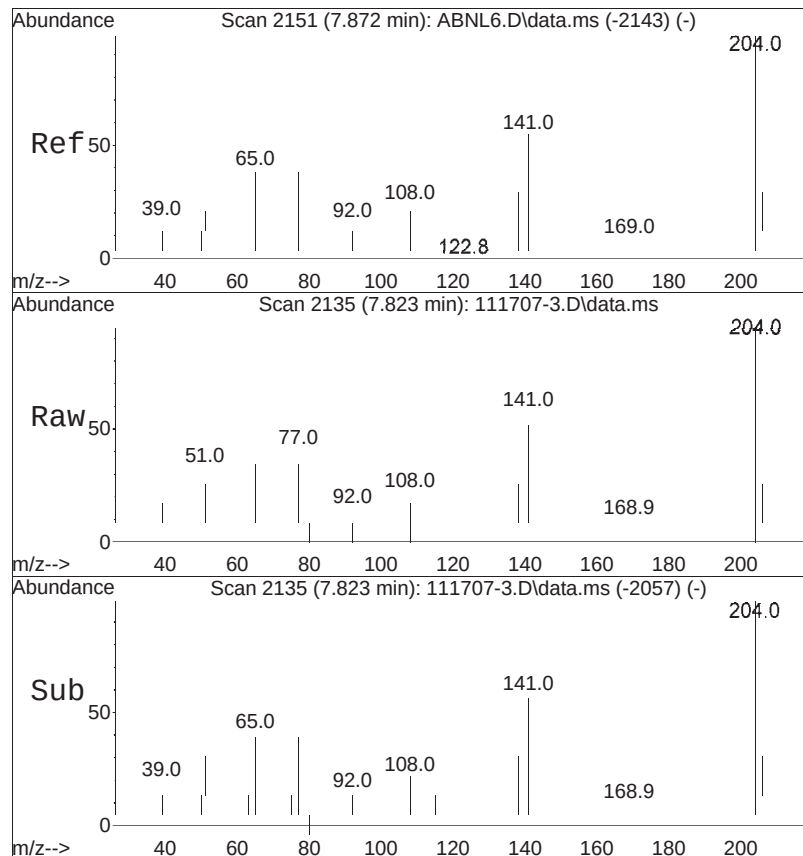




#72
 Diethyl phthalate
 Concen: 1.42 ug/ml
 RT: 7.748 min Scan# 2111
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

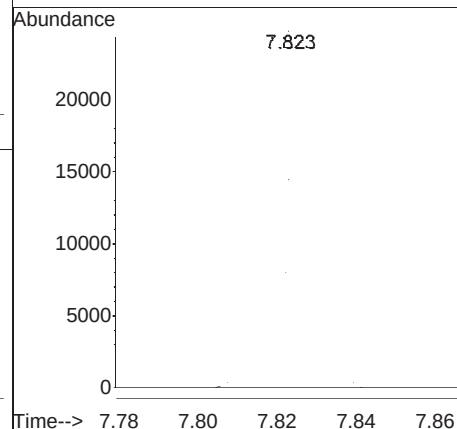
Tgt Ion:	149	Resp:	45980
Ion Ratio	Lower	Upper	
149	100		
177	19.9	16.1	24.1
150	12.3	9.4	14.2

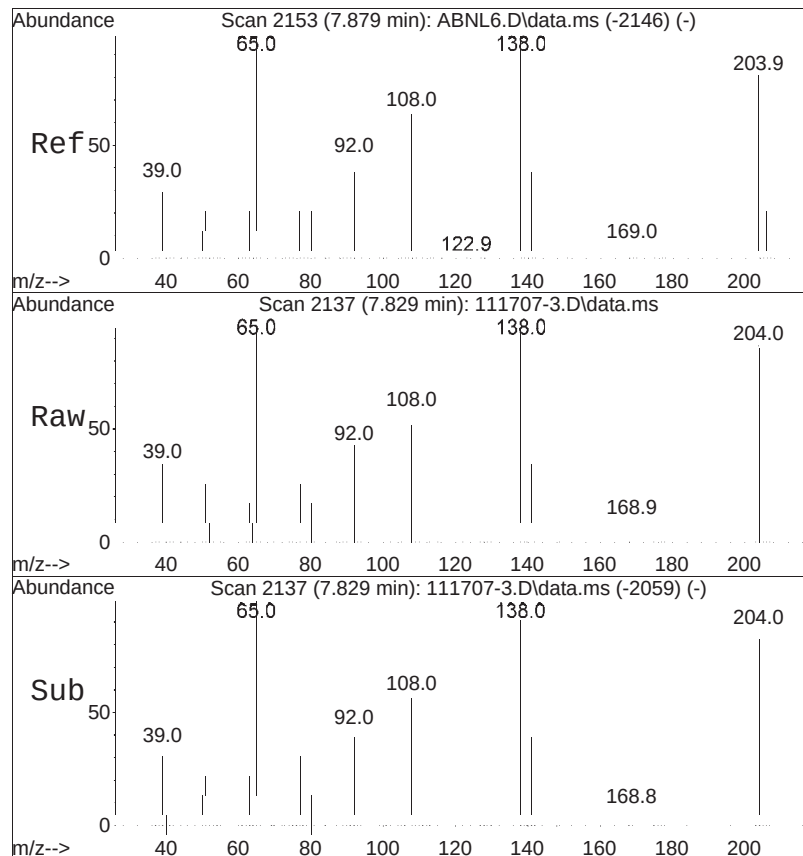




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.38 ug/ml
 RT: 7.823 min Scan# 2135
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

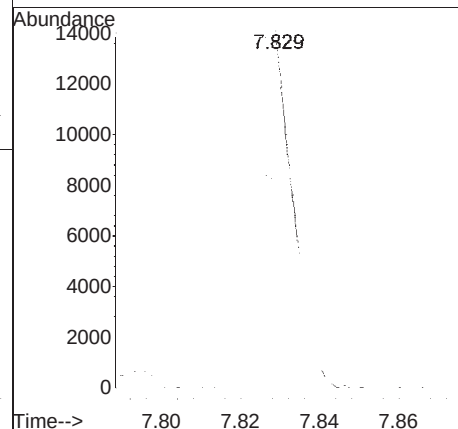
Tgt Ion:	204	Resp:	20381
Ion Ratio	Lower	Upper	
204	100		
206	32.9	25.8	38.6
141	54.3	53.6	80.4

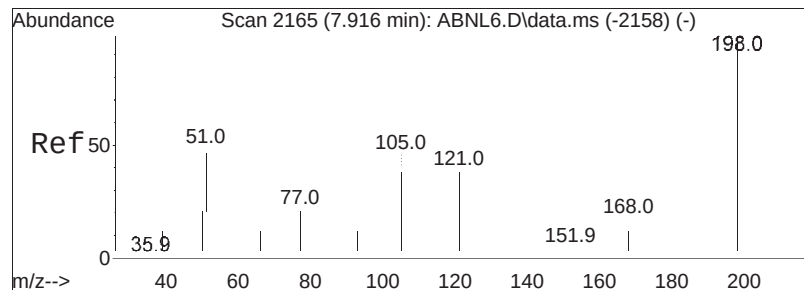




#75
 4-Nitroaniline
 Concen: 1.45 ug/ml
 RT: 7.829 min Scan# 2137
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

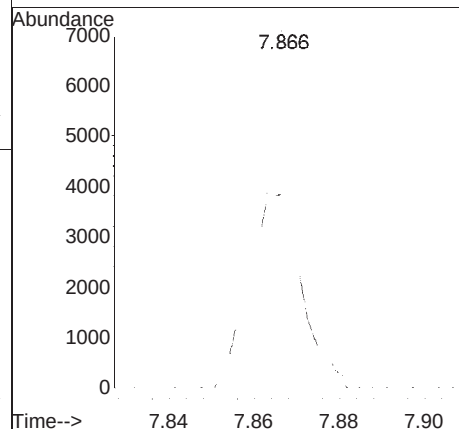
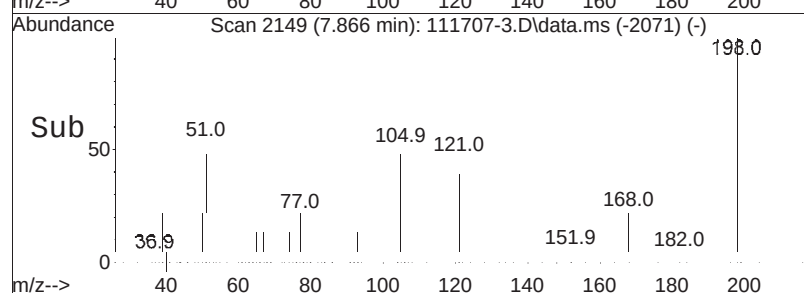
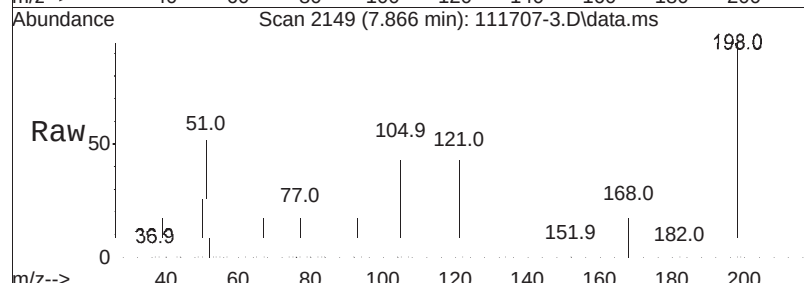
Tgt Ion	Ratio	Lower	Upper
138	100		
108	64.6	52.1	78.1
65	111.4	115.0	172.6#

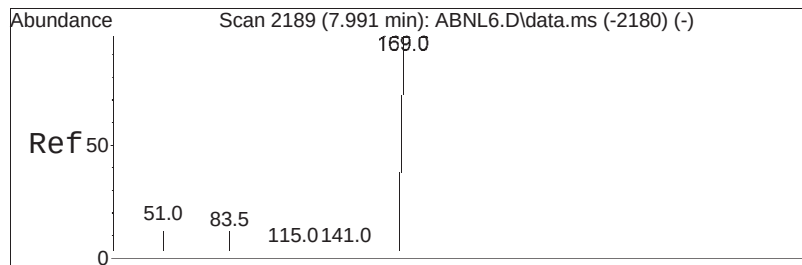




#76
 4,6-Dinitro-o-cresol
 Concen: 1.30 ug/ml
 RT: 7.866 min Scan# 2149
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

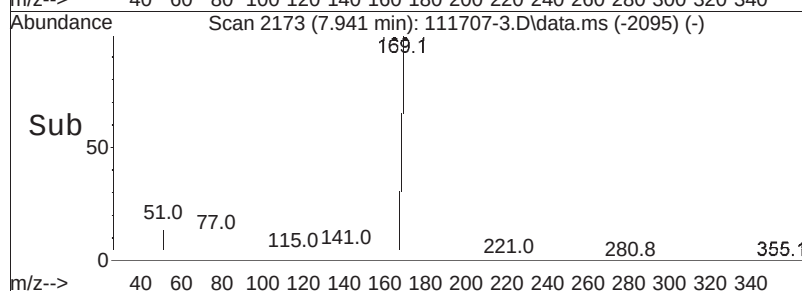
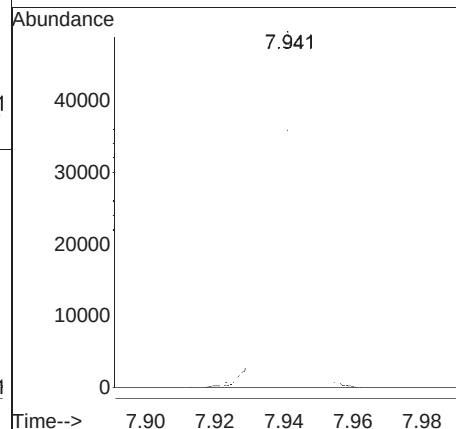
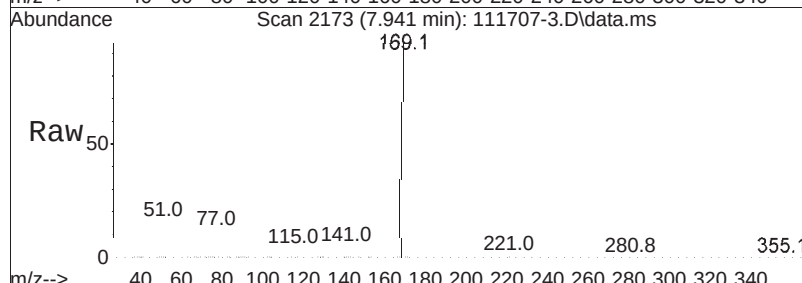
Tgt Ion	Ratio	Lower	Upper
198	100		
51	56.4	76.0	114.0#
105	50.0	45.6	68.4

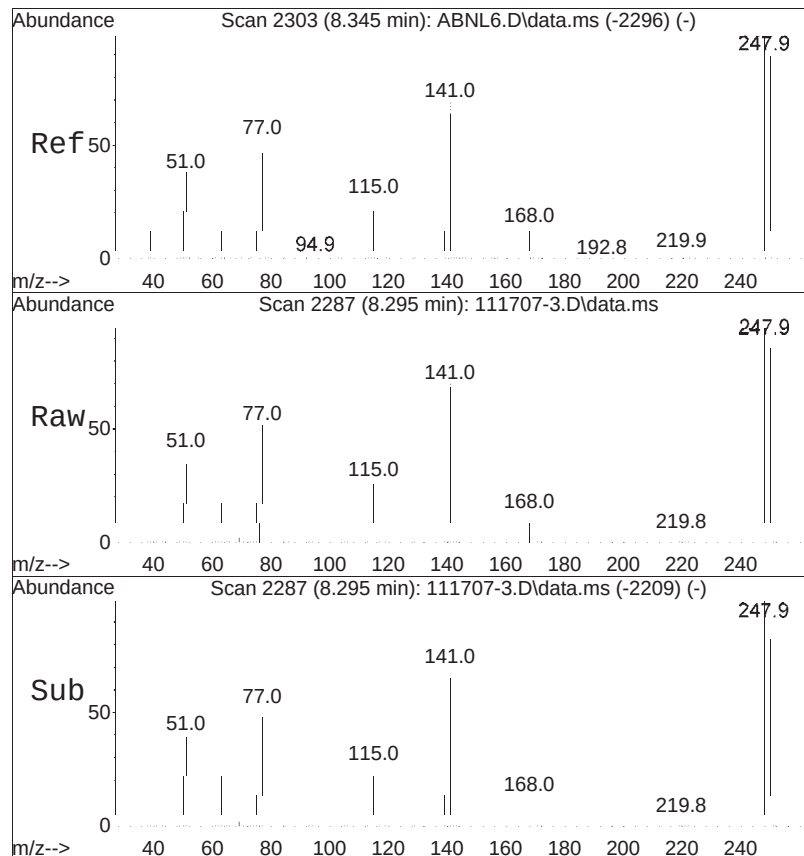




#77
 NDPA/DPA
 Concen: 1.45 ug/ml
 RT: 7.941 min Scan# 2173
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

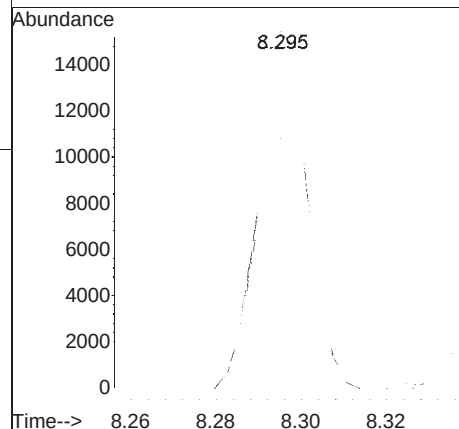
Tgt Ion	Ratio	Lower	Upper
169	100		
168	72.6	54.0	81.0
167	37.9	28.6	42.8

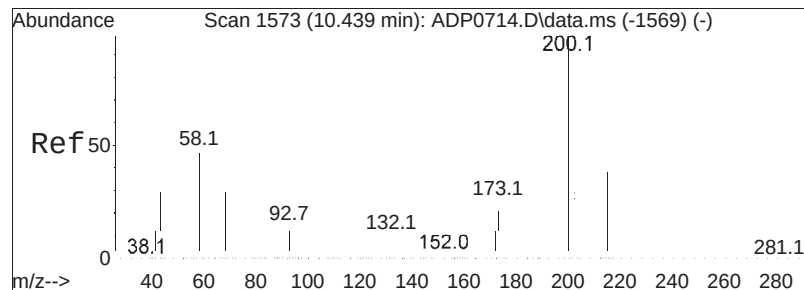




#80
 4-Bromophenyl phenyl ether
 Concen: 1.33 ug/ml
 RT: 8.295 min Scan# 2287
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

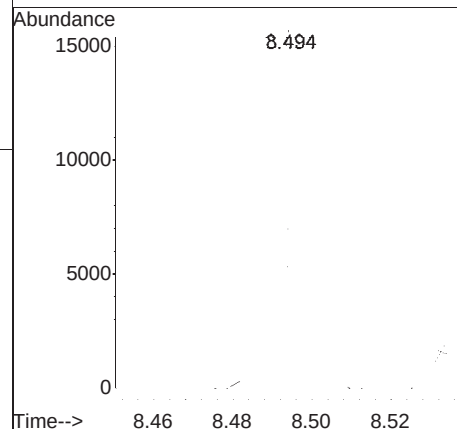
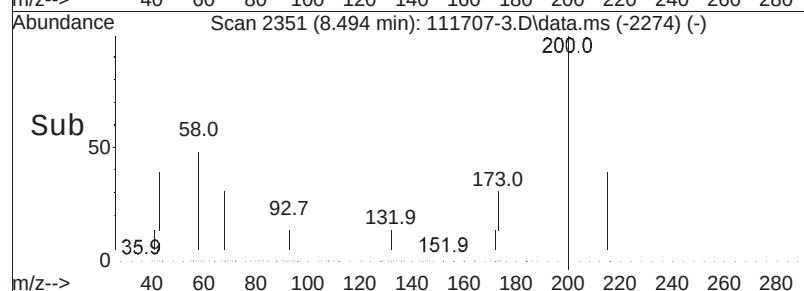
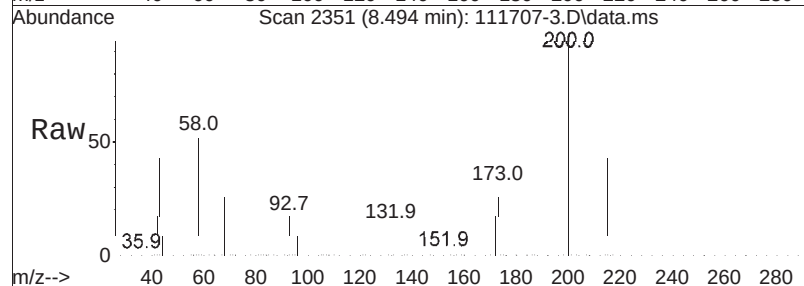
Tgt Ion:	248	Resp:	12078
Ion Ratio	Lower	Upper	
248	100		
141	71.0	76.6	114.8#
250	93.0	77.3	115.9

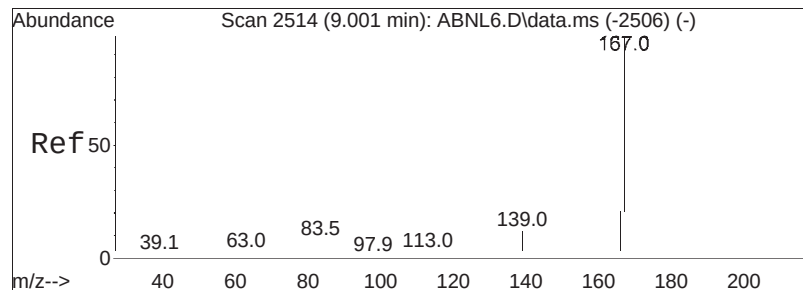




#87
 Atrazine
 Concen: 1.54 ug/ml
 RT: 8.494 min Scan# 2351
 Delta R.T. -0.009 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

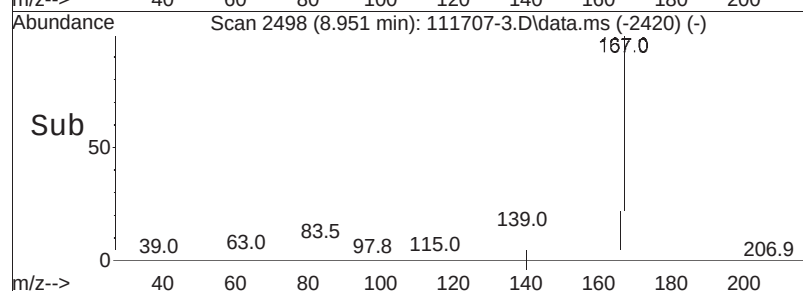
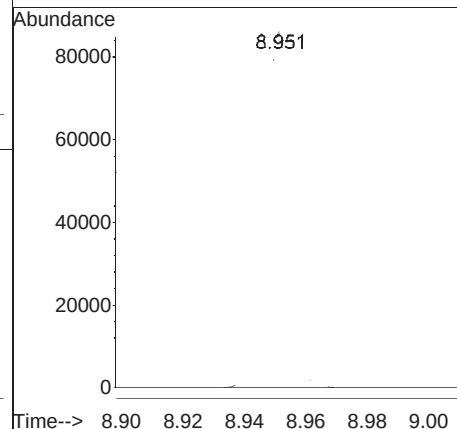
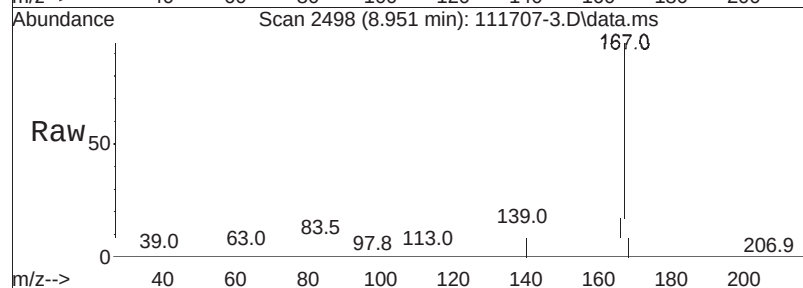
Tgt Ion:	200	Resp:	12240
Ion Ratio	Lower	Upper	
200	100		
202	32.2	25.8	38.6
215	42.5	40.2	60.4

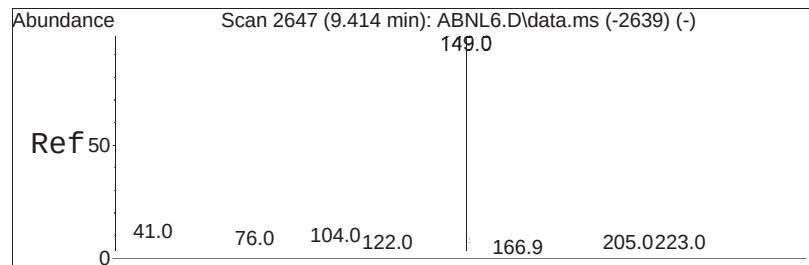




#91
 Carbazole
 Concen: 1.55 ug/ml
 RT: 8.951 min Scan# 2498
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

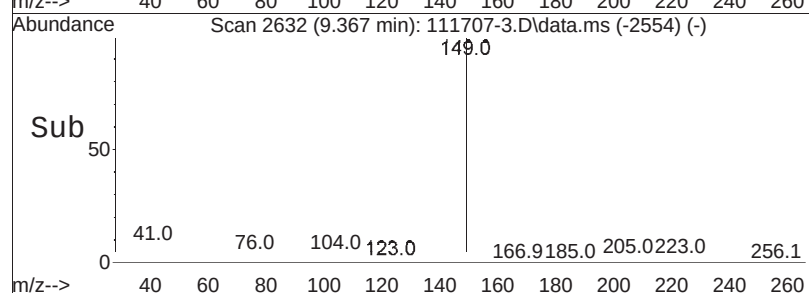
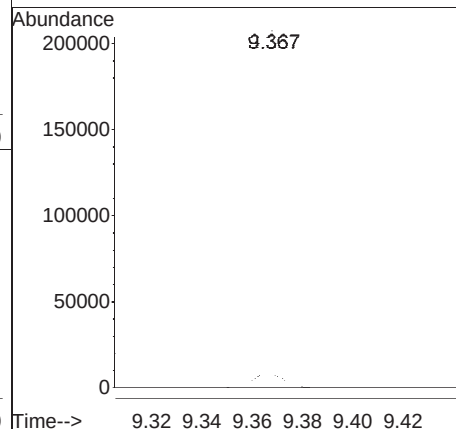
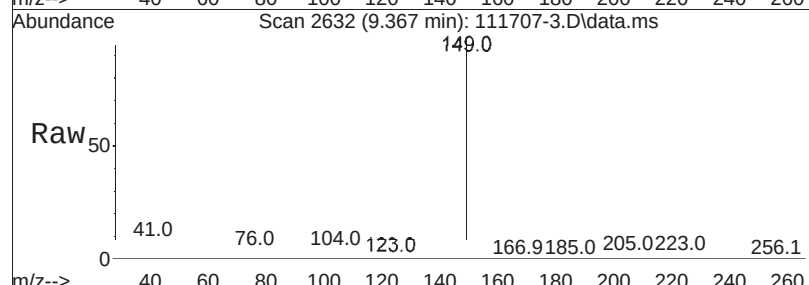
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	22.5	17.4	26.0

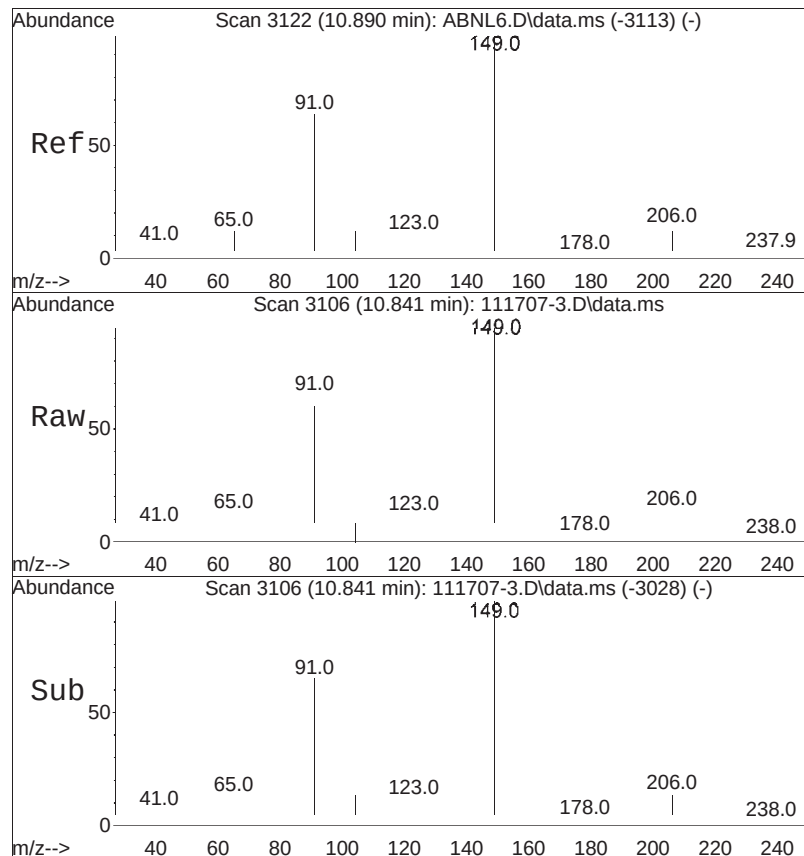




#92
 Di-n-butylphthalate
 Concen: 3.42 ug/ml
 RT: 9.367 min Scan# 2632
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

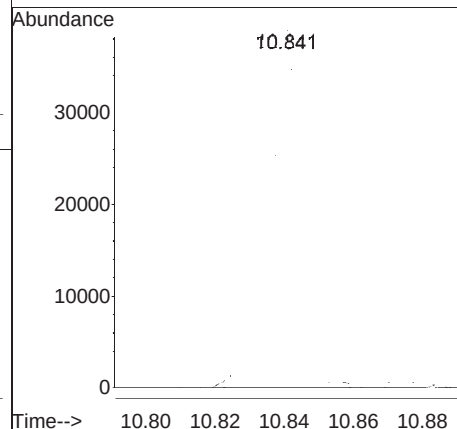
Tgt Ion:	149	Resp:	174334
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.0	10.6
104	4.2	4.5	6.7#

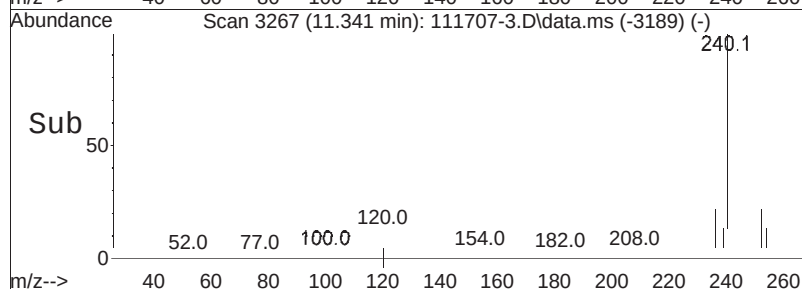
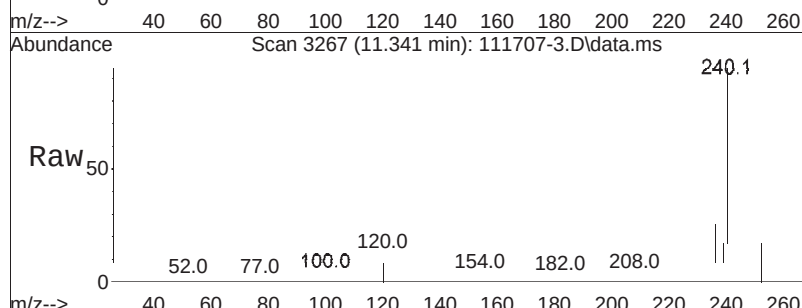
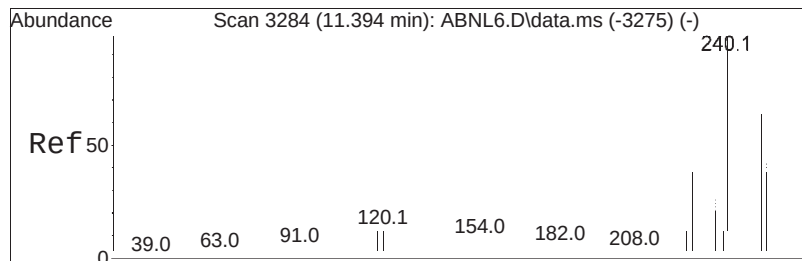




#97
 Butyl benzyl phthalate
 Concen: 1.63 ug/ml
 RT: 10.841 min Scan# 3106
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

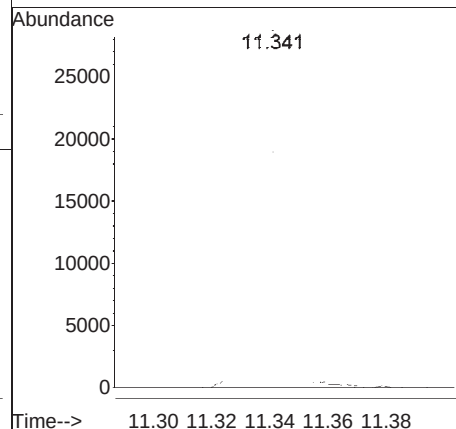
Tgt Ion:	149	Resp:	34707
Ion Ratio	Lower	Upper	
149	100		
91	68.9	63.3	94.9
206	15.3	13.9	20.9

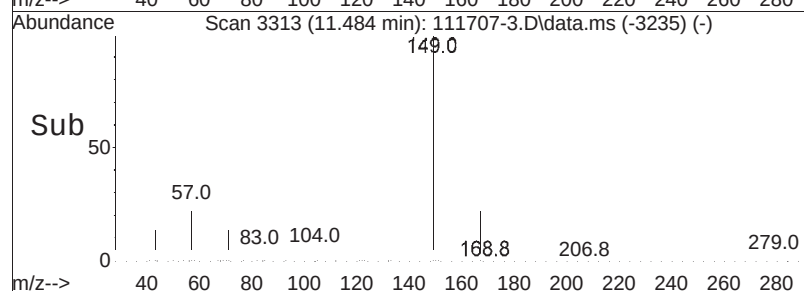
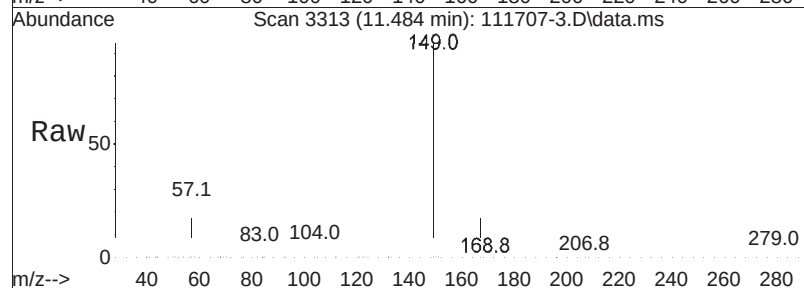
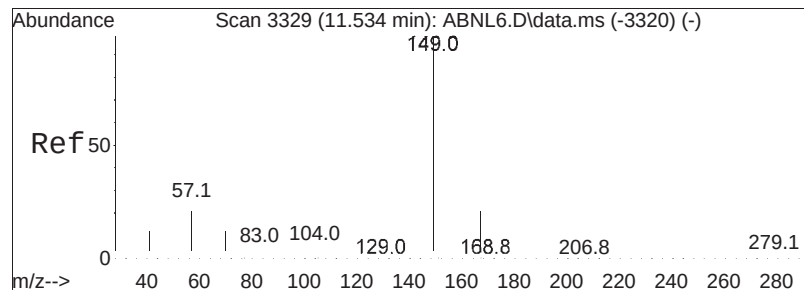




#106
 3,3'-Dichlorobenzidine
 Concen: 1.45 ug/ml
 RT: 11.341 min Scan# 3267
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

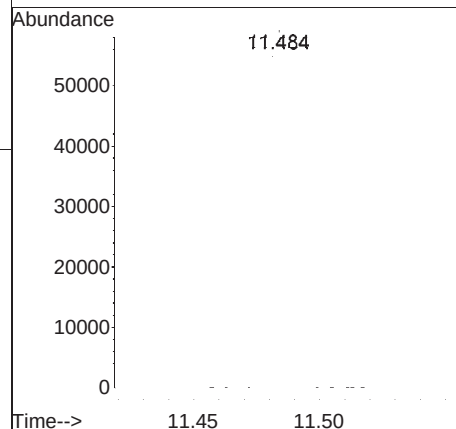
Tgt Ion	Ratio	Lower	Upper
252	100		
126	17.2	14.5	21.7
254	65.0	51.2	76.8

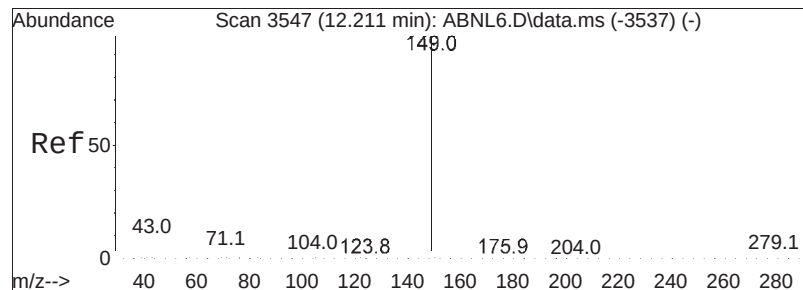




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.66 ug/ml
 RT: 11.484 min Scan# 3313
 Delta R.T. -0.006 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

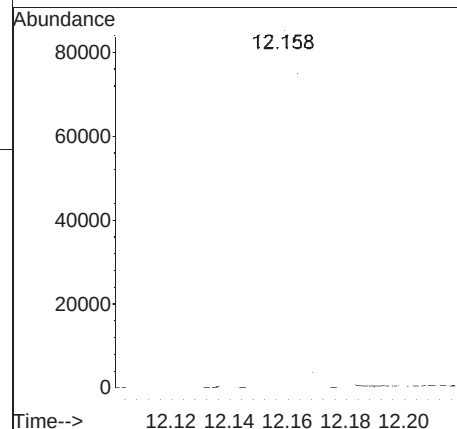
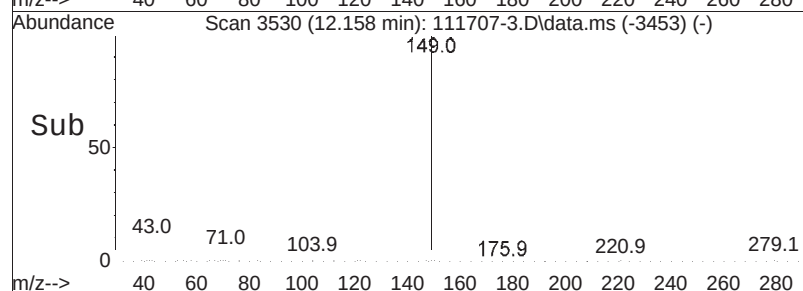
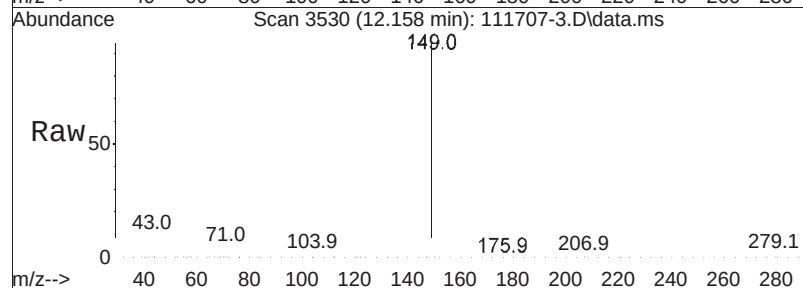
Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	22.3	22.1	33.1
279	2.2	3.0	4.4#





#109
 Di-n-octylphthalate
 Concen: 1.54 ug/ml
 RT: 12.158 min Scan# 3530
 Delta R.T. -0.009 min
 Lab File: 111707-3.D
 Acq: 8 Sep 2025 8:11 am

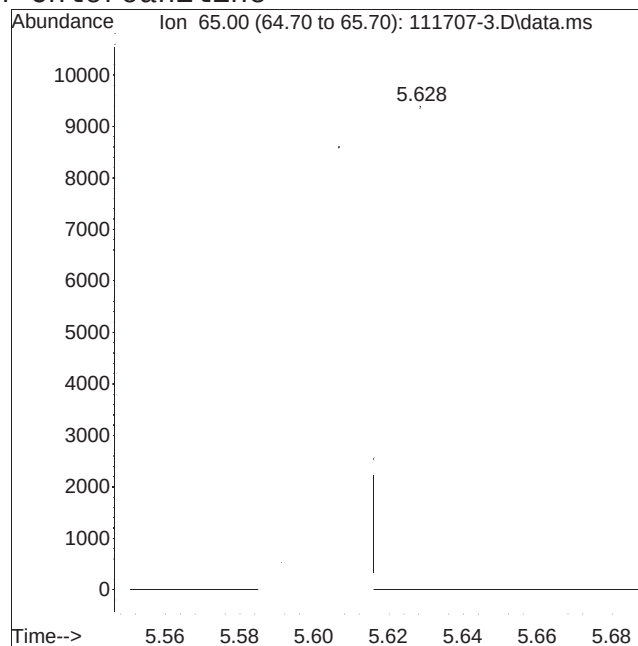
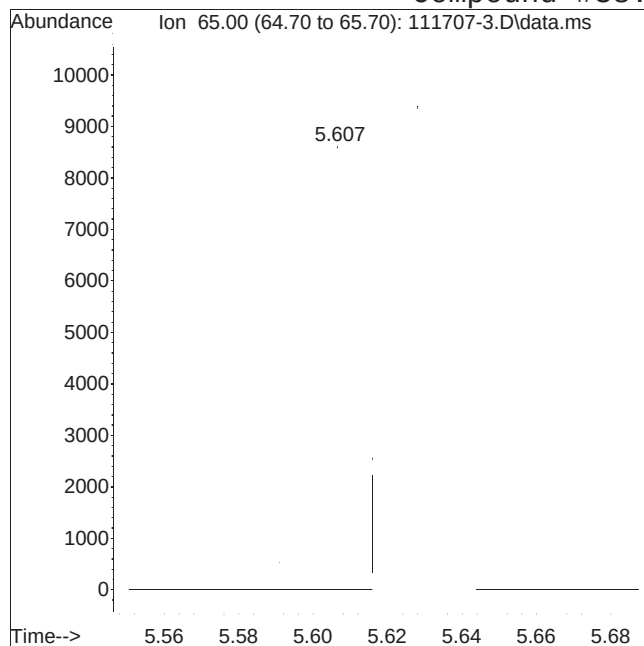
Tgt Ion:	149	Resp:	88503
Ion Ratio	Lower	Upper	
149	100		
43	10.7	18.8	28.2#
167	1.2	1.3	1.9#



Manual Integration Report

Data Path : I:\8270\SV106\250908RVT\ QMethod : FS250827SV106.m
Data File : 111707-3.D Operator : SV106:jg
Date Inj'd : 9/8/2025 8:11 am Instrument : SV 106
Sample : WG2111707-3,32,,cmm Quant Date : 9/8/2025 8:29 am

Compound #38: 4-Chloroaniline



Original Peak Response = 7206

Manual Peak Response = 6791 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-3.D
 Acq On : 12 Sep 2025 04:02 am
 Operator : SV112:smz
 Sample : WG2113697-3,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 10:41:59 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.675	152	21088	4.000	ug/ml	0.00
Standard Area 1 = 16261			Recovery =	129.68%		
27) IS2_1,4-Dichlorobenzen...	4.675	152	21088	4.000	ug/ml	0.00
Standard Area 3 = 18558			Recovery =	113.63%		
32) IS3_1,4-Dichlorobenzen...	4.675	152	21088	4.000	ug/ml	0.00
Standard Area 2 = 16242			Recovery =	129.84%		
35) IS1_Naphthalene-d8	5.904	136	81154	4.000	ug/ml	0.00
Standard Area 1 = 64475			Recovery =	125.87%		
55) IS2_Naphthalene-d8	5.904	136	81154	4.000	ug/ml	0.00
Standard Area 3 = 69905			Recovery =	116.09%		
63) IS1_Acenaphthene-d10	7.604	164	53709	4.000	ug/ml	0.00
Standard Area 1 = 44834			Recovery =	119.80%		
83) IS2_Acenaphthene-d10	7.604	164	53709	4.000	ug/ml	0.00
Standard Area 3 = 47596			Recovery =	112.84%		
86) IS3_Acenaphthene-d10	7.604	164	53709	4.000	ug/ml	0.00
Standard Area 2 = 38626			Recovery =	139.05%		
88) IS1_Phenanthrene-d10	9.028	188	121846	4.000	ug/ml	# 0.00
Standard Area 1 = 98025			Recovery =	124.30%		
100) IS3_Phenanthrene-d10	9.028	188	121846	4.000	ug/ml	# 0.00
Standard Area 2 = 90459			Recovery =	134.70%		
104) IS1_Chrysene-d12	11.645	240	137468	4.000	ug/ml	# 0.00
Standard Area 1 = 110763			Recovery =	124.11%		
113) IS1_Perylene-d12	13.104	264	154245	4.000	ug/ml	0.00
Standard Area 1 = 123361			Recovery =	125.04%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.411	112	5655	0.971	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.55%		
7) Phenol-d6	4.358	99	5617	0.746	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	37.30%		
19) Nitrobenzene-d5	5.216	82	4495	0.630	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	63.00%		
46) 2-Fluorobiphenyl	6.969	172	13156	0.699	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	69.90%		
79) 2,4,6-Tribromophenol	8.363	330	4950	1.449	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	72.45%		
96) 4-Terphenyl-d14	10.598	244	21679	0.667	ug/ml	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-3.D
 Acq On : 12 Sep 2025 04:02 am
 Operator : SV112:smz
 Sample : WG2113697-3,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 10:41:59 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
Spiked Amount	1.000	Range	30 - 130	Recovery	=	66.70%
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.011	74	3486	0.835	ug/ml#	92
3) Pyridine	2.116	79	560M2	0.079	ug/ml	
5) Aniline	4.358	93	2260	0.267	ug/ml#	1
6) 2-Chlorophenol	4.469	128	8615	1.270	ug/ml	98
8) Phenol	4.369	94	7198	0.864	ug/ml#	87
9) Bis(2-chloroethyl)ether	4.440	93	8283	1.191	ug/ml	94
10) 1,3-Dichlorobenzene	4.616	146	9401	1.133	ug/ml	97
11) 1,4-Dichlorobenzene	4.693	146	9866	1.162	ug/ml	97
12) 1,2-Dichlorobenzene	4.840	146	9383	1.143	ug/ml	94
13) Benzyl alcohol	4.828	79	6309	1.067	ug/ml	95
14) Bis(2-chloroisopropyl)...	4.975	45	11934	1.054	ug/ml#	68
15) 2-Methylphenol	4.957	108	7731	1.270	ug/ml	97
16) Hexachloroethane	5.163	117	3102	0.987	ug/ml#	57
17) n-Nitrosodi-n-propylamine	5.093	70	6647	1.221	ug/ml	98
18) 3-Methylphenol/4-Methy...	5.110	108	8421	1.257	ug/ml	99
20) Nitrobenzene	5.234	77	9589	1.294	ug/ml	97
21) Isophorone	5.475	82	17713	1.179	ug/ml	99
22) 2-Nitrophenol	5.546	139	5000	1.497	ug/ml	96
23) 2,4-Dimethylphenol	5.622	107	9566	1.202	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.705	93	11870	1.246	ug/ml	98
25) 2,4-Dichlorophenol	5.787	162	9637	1.370	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.863	180	8843	1.090	ug/ml	95
28) Benzaldehyde	4.240	105	7605	2.417	ug/ml	98
29) Acetophenone	5.075	105	13841	1.326	ug/ml#	92
33) 1,4-Dioxane	1.758	88	2181	0.758	ug/ml#	59
36) Naphthalene	5.928	128	27430	1.272	ug/ml	99
37) Benzoic Acid	5.681	105	3513	1.984	ug/ml	92
38) 4-Chloroaniline	5.993	65	2188M3	0.749	ug/ml	
39) Hexachlorobutadiene	6.075	225	5283	1.029	ug/ml	97
40) p-Chloro-m-cresol	6.487	107	9734	1.459	ug/ml	98
41) 2-Methylnaphthalene	6.604	142	17860	1.307	ug/ml	97
42) 1-Methylnaphthalene	6.693	115	6343	1.160	ug/ml	89
43) Hexachlorocyclopentadiene	6.775	237	5367	1.198	ug/ml	99
44) 2,4,6-Trichlorophenol	6.887	196	8744	1.489	ug/ml	99
45) 2,4,5-Trichlorophenol	6.916	196	9085M3	1.522	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-3.D
 Acq On : 12 Sep 2025 04:02 am
 Operator : SV112:smz
 Sample : WG2113697-3,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 10:41:59 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47)	2-Chloronaphthalene	7.069	162	21048	1.320	ug/ml	98
48)	2-Nitroaniline	7.175	138	7079	1.583	ug/ml	92
51)	Dimethyl phthalate	7.375	163	30328	1.500	ug/ml	100
52)	Acenaphthylene	7.463	152	36879	1.418	ug/ml	99
53)	2,6-Dinitrotoluene	7.416	165	5742	1.487	ug/ml	92
56)	a-Terpineol	5.963	59	9047	1.497	ug/ml	93
60)	Caprolactam	6.293	55	2243	0.623	ug/ml#	88
61)	1,2,4,5-Tetrachloroben...	6.769	216	10895	1.211	ug/ml	96
62)	Biphenyl	7.063	154	26844	1.352	ug/ml	99
64)	3-Nitroaniline	7.569	138	5701	1.385	ug/ml	94
65)	Acenaphthene	7.634	154	20285	1.371	ug/ml	99
66)	2,4-Dinitrophenol	7.675	184	3833	2.105	ug/ml#	80
67)	Dibenzofuran	7.804	168	34934	1.419	ug/ml	91
68)	2,4-Dinitrotoluene	7.804	165	8256	1.546	ug/ml	91
69)	4-Nitrophenol	7.757	65	3731	1.143	ug/ml	94
71)	2,3,4,6-Tetrachlorophenol	7.934	232	8454	1.499	ug/ml	97
72)	Diethyl phthalate	8.063	149	30782	1.465	ug/ml	96
73)	Fluorene	8.134	166	28316	1.416	ug/ml	96
74)	4-Chlorophenyl phenyl ...	8.151	204	14178	1.348	ug/ml#	84
75)	4-Nitroaniline	8.157	138	6509	1.536	ug/ml	99
76)	4,6-Dinitro-o-cresol	8.193	198	5024	1.789	ug/ml#	80
77)	NDPA/DPA	8.263	169	23841	1.426	ug/ml	93
78)	Azobenzene	8.299	77	25379	1.379	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.616	248	9529	1.386	ug/ml#	83
81)	Hexachlorobenzene	8.669	284	11529	1.415	ug/ml#	85
82)	Pentachlorophenol	8.863	266	7781	2.018	ug/ml	94
85)	Pentachloronitrobenzene	8.875	237	4516	1.643	ug/ml#	83
87)	Atrazine	8.798	200	10059	1.619	ug/ml	97
89)	Phenanthrene	9.051	178	48551	1.450	ug/ml	100
90)	Anthracene	9.098	178	48028	1.445	ug/ml	99
91)	Carbazole	9.263	167	47057	1.555	ug/ml	100
92)	Di-n-butylphthalate	9.657	149	104473	2.947	ug/ml	99
93)	Fluoranthene	10.410	202	62043	1.532	ug/ml	97
94)	Benzidine	0.000		0	N.D.		
95)	Pyrene	10.410	202	62043	1.490	ug/ml	99
97)	Butyl benzyl phthalate	11.122	149	23071	1.465	ug/ml#	93
102)	Parathion	9.810	109	5396	1.665	ug/ml#	91
105)	Benzo(a)anthracene	11.639	228	65007	1.446	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250911NRVT\
 Data File : 113697-3.D
 Acq On : 12 Sep 2025 04:02 am
 Operator : SV112:smz
 Sample : WG2113697-3,32,,ASK
 Misc : WG2113687,WG2113697,ical22560
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 10:41:59 2025
 Quant Method : I:\8270\SV112\250911NRVT\FS250817SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Sep 12 02:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250911NRVT\ABN0911n.D
 : 2 - I:\8270\SV112\250911NRVT\ADP0911n.D
 : 3 - I:\8270\SV112\250911NRVT\AP90911n.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106)	3,3'-Dichlorobenzidine	11.639	252	19072	1.172	ug/ml#	98
107)	Chrysene	11.675	228	61074	1.462	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.757	149	36151	1.380	ug/ml	100
109)	Di-n-octylphthalate	12.434	149	55789	1.371	ug/ml	99
110)	Benzo(b)fluoranthene	12.739	252	67995	1.542	ug/ml#	96
111)	Benzo(k)fluoranthene	12.763	252	62503M3	1.454	ug/ml	
112)	Benzo(a)pyrene	13.051	252	60732M3	1.487	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	14.075	276	60991M6	1.432	ug/mL	
115)	Dibenzo(a,h)anthracene	14.098	278	62613	1.526	ug/ml#	92
116)	Benzo(ghi)perylene	14.316	276	62400	1.464	ug/ml#	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report

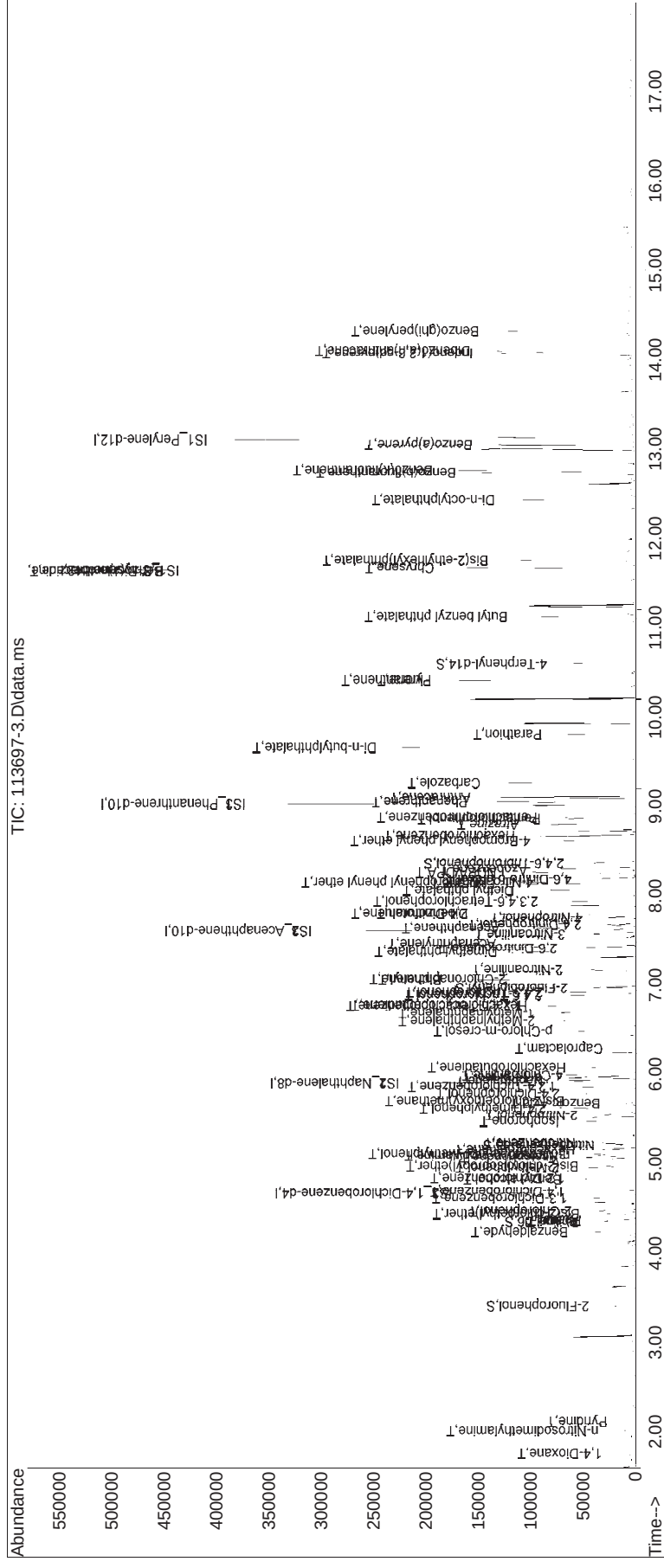
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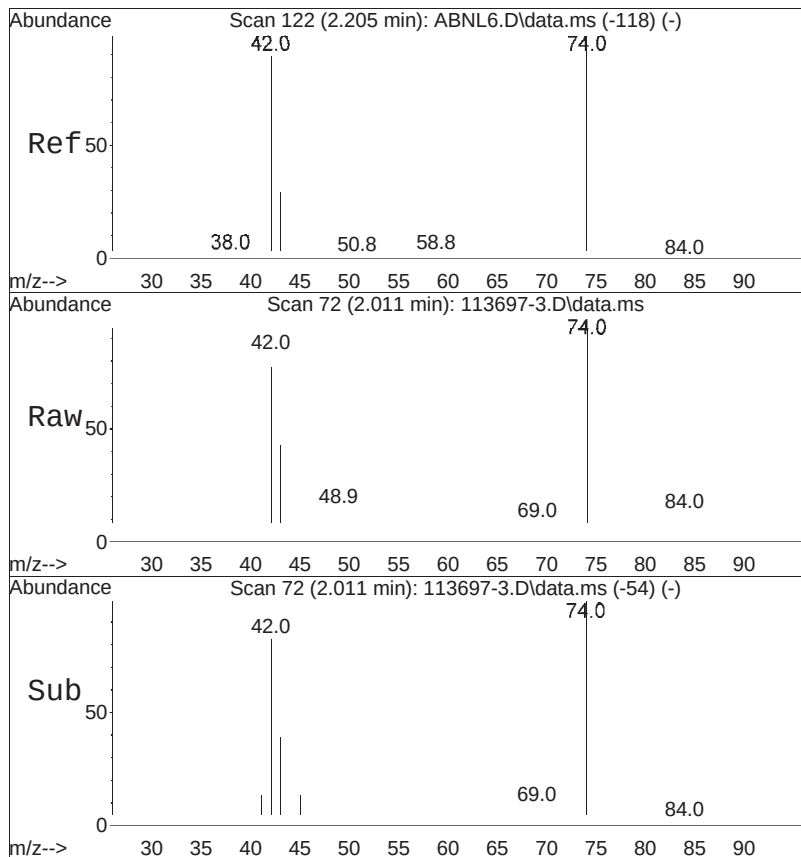
Data Path      : I:\8270\SV112\250911NRVT\
Data File     : 113697-3.D
Acq On        : 12 Sep 2025   04:02 am
Operator      : SV112:smz
Sample        : WG2113697-3,32,,ASK
Misc          : WG2113687,WG2113697,ical2
ALS Vial      : 6   Sample Multiplier: 1

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Quant Time: Sep 12 10:41:59 2025
Quant Method : I:\8270\SV112\250911NRVT\F250817SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 12 02:08:59 2025
Response via : Initial Calibration

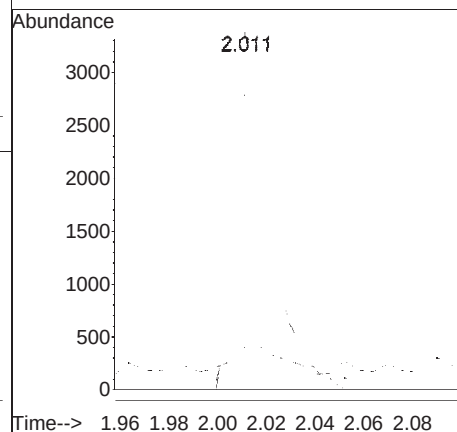
Sub List : 8270IC\8RZ02SV1T2\2609MANRVT\AP90911n.D•

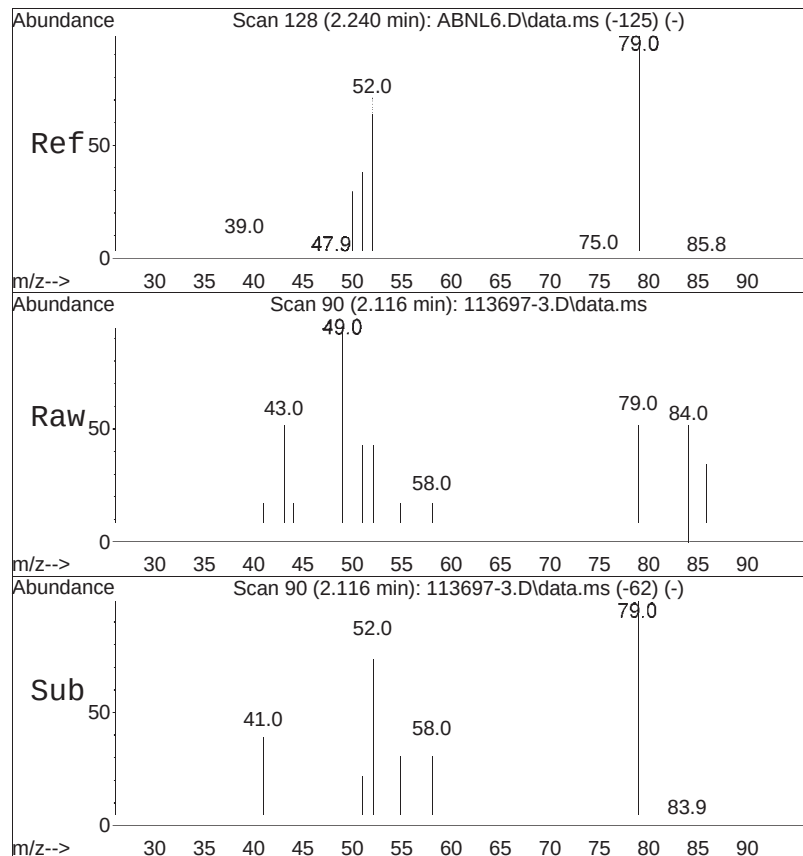




#2
 n-Nitrosodimethylamine
 Concen: 0.84 ug/ml
 RT: 2.011 min Scan# 72
 Delta R.T. 0.006 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

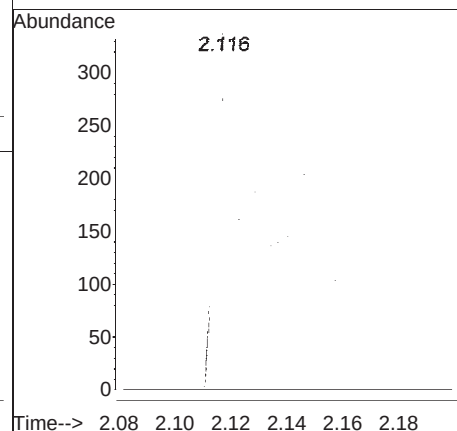
Tgt Ion	74	42	44	Ratio	100	86.5	0.0	Resp:	3486	Lower	Upper

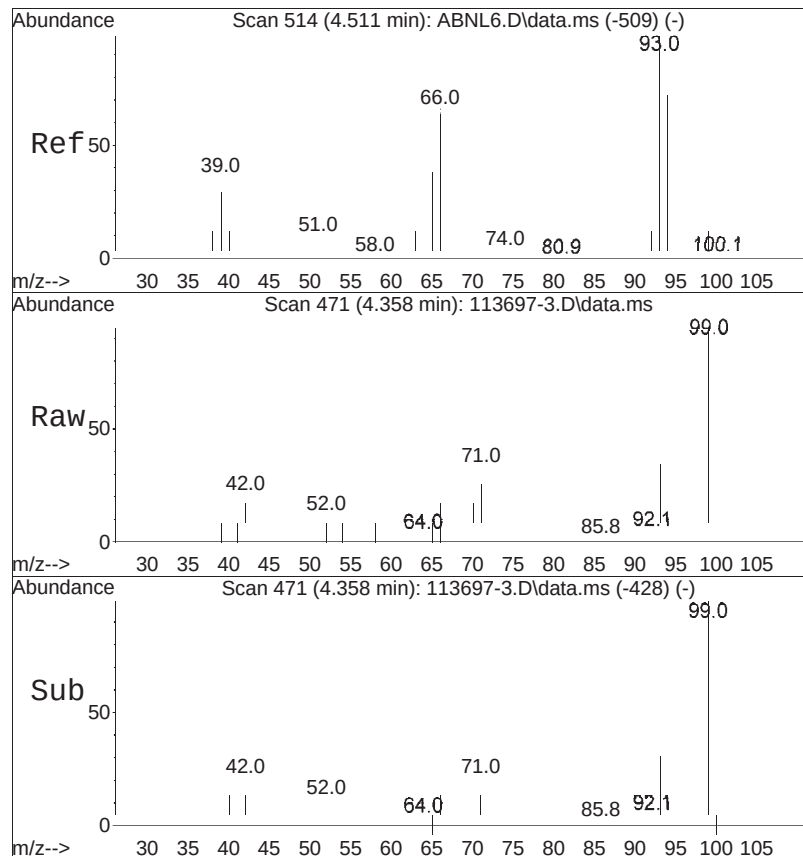




#3
 Pyridine
 Concen: 0.08 ug/ml M2
 RT: 2.116 min Scan# 90
 Delta R.T. 0.065 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

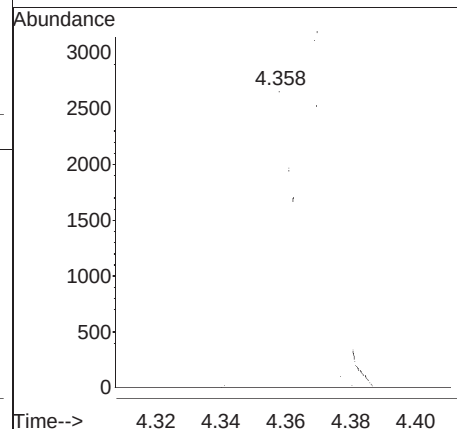
Tgt Ion	Ratio	Lower	Upper
79	100		
52	0.0	64.6	96.8#

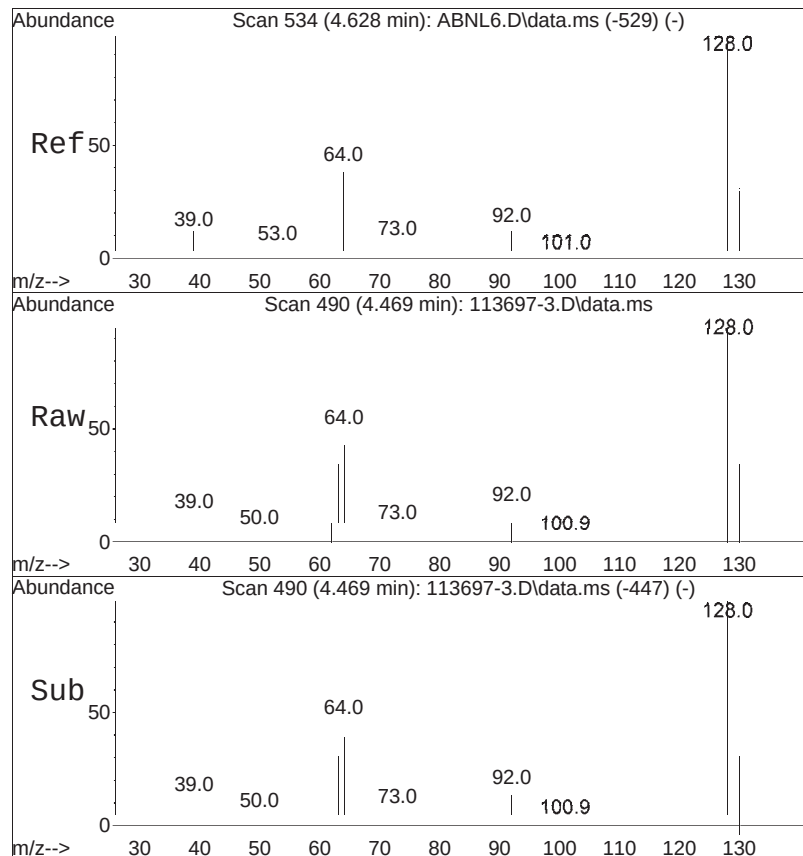




#5
 Aniline
 Concen: 0.27 ug/ml
 RT: 4.358 min Scan# 471
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

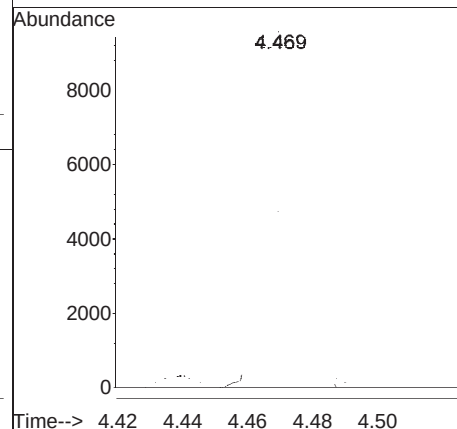
Tgt Ion: 93	Resp: 2260
Ion Ratio	Lower Upper
93 100	
66 156.9	31.3 46.9#
65 110.3	16.6 25.0#

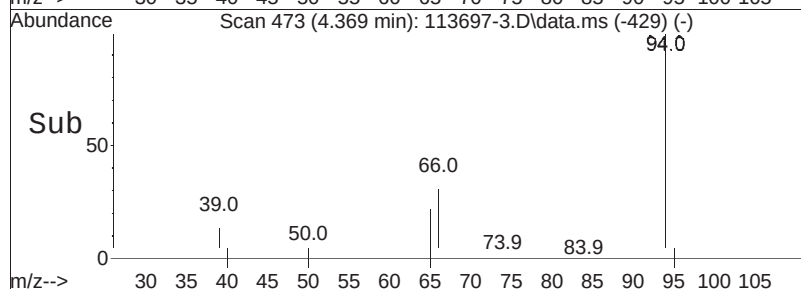
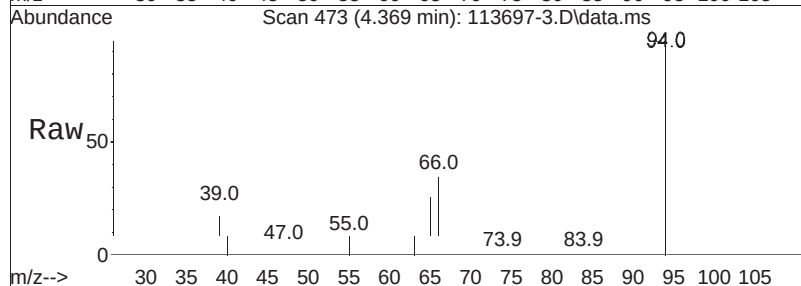
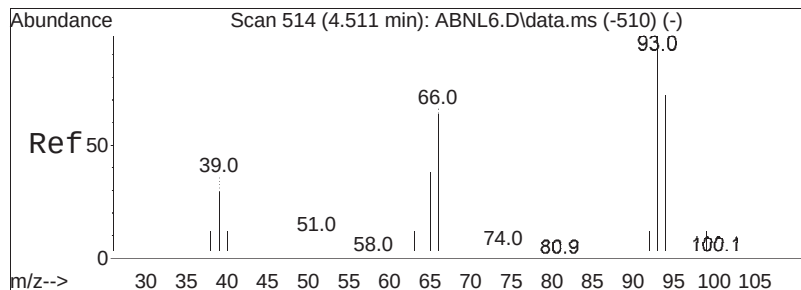




#6
 2-Chlorophenol
 Concen: 1.27 ug/ml
 RT: 4.469 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

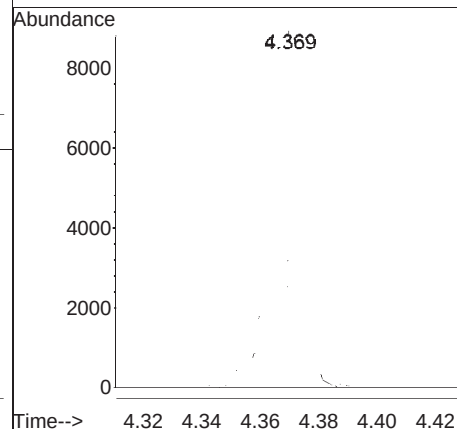
Tgt Ion:	128	Resp:	8615
Ion Ratio	Lower	Upper	
128	100		
64	49.4	38.2	57.4
130	32.4	26.2	39.2

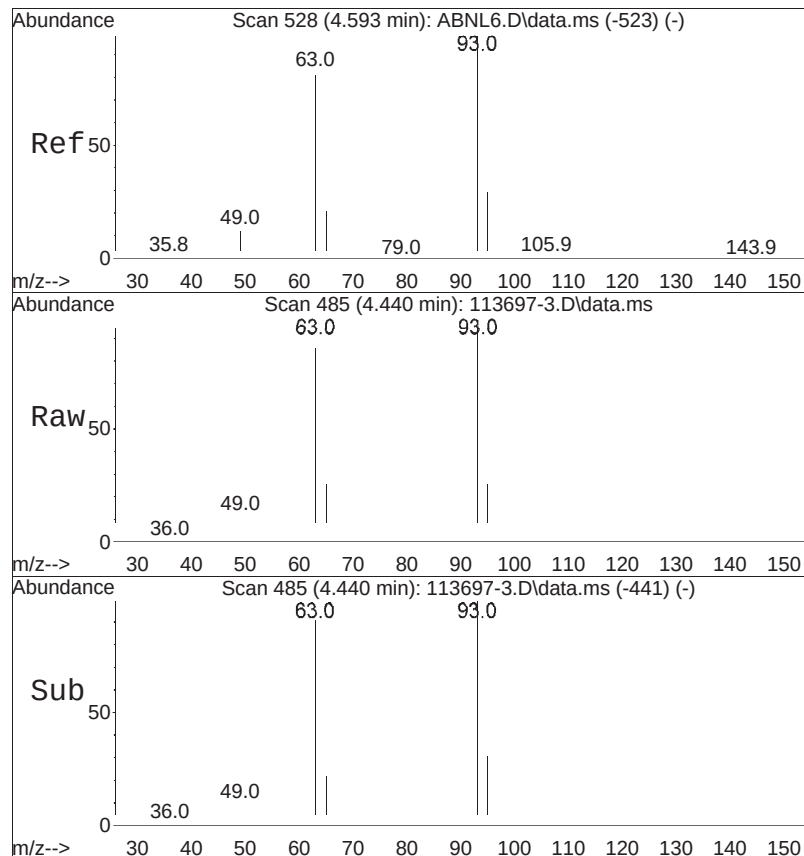




#8
 Phenol
 Concen: 0.86 ug/ml
 RT: 4.369 min Scan# 473
 Delta R.T. 0.006 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

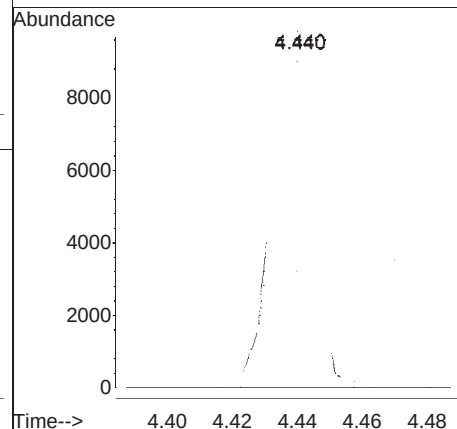
Tgt Ion:	94	Resp:	7198
Ion Ratio	Lower	Upper	
94	100		
65	34.6	23.0	34.6#
66	49.3	32.1	48.1#

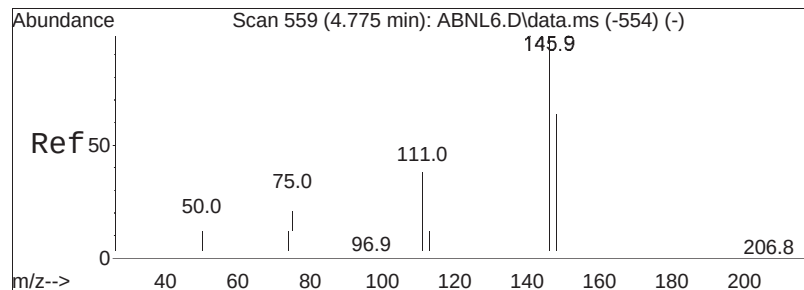




#9
 Bis(2-chloroethyl)ether
 Concen: 1.19 ug/ml
 RT: 4.440 min Scan# 485
 Delta R.T. 0.006 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

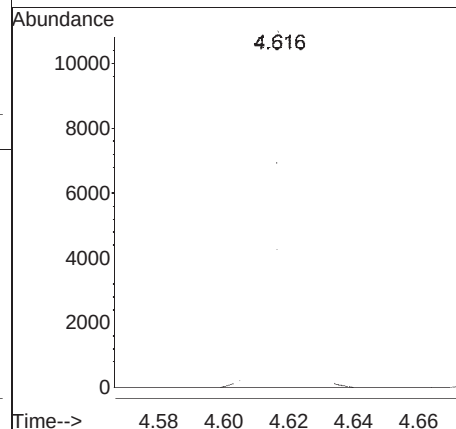
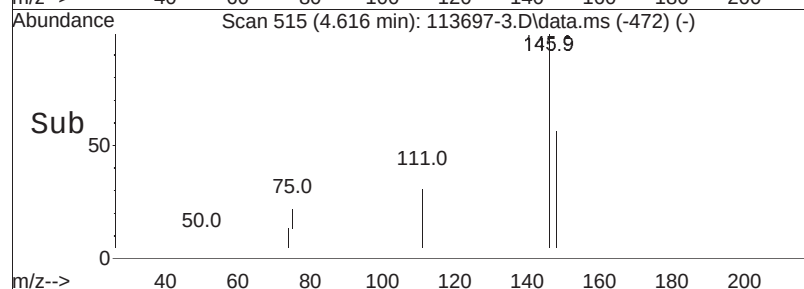
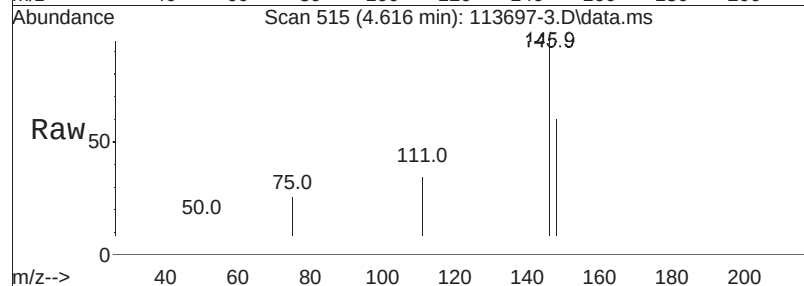
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	8283		
63	91.6		67.0	100.4
95	33.0		26.1	39.1

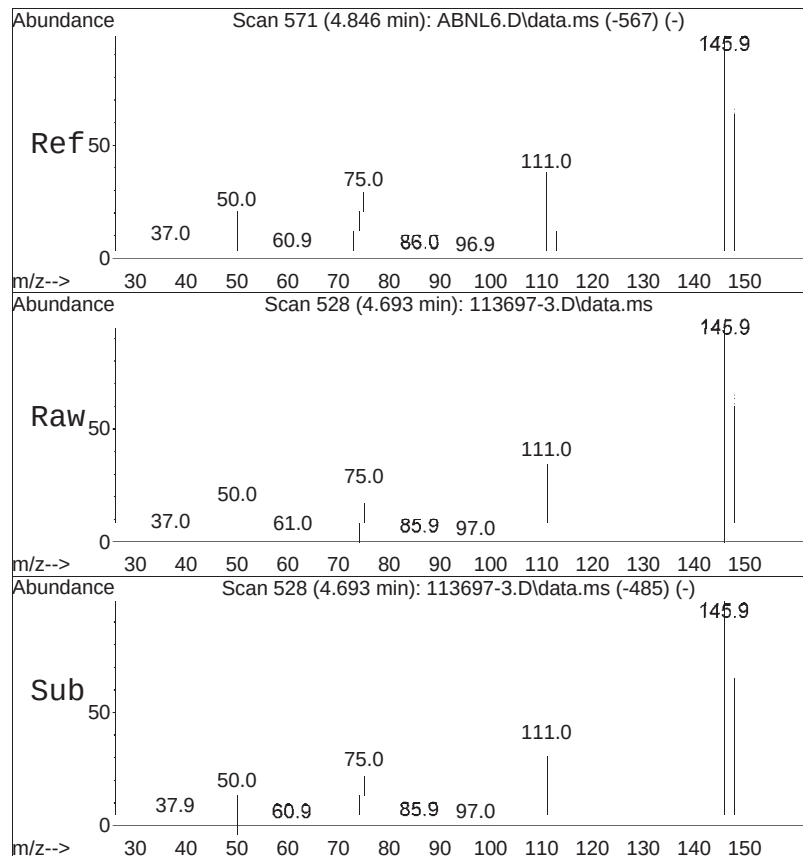




#10
 1,3-Dichlorobenzene
 Concen: 1.13 ug/ml
 RT: 4.616 min Scan# 515
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

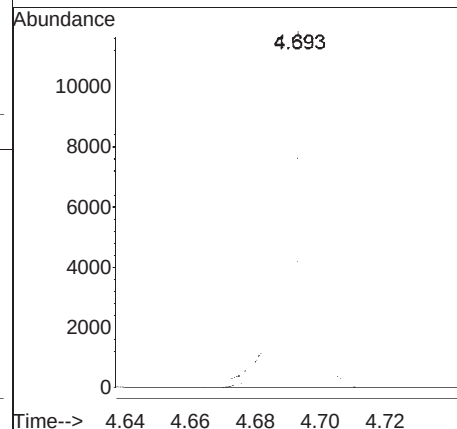
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	35.0	52.4
148	65.5	51.3	76.9

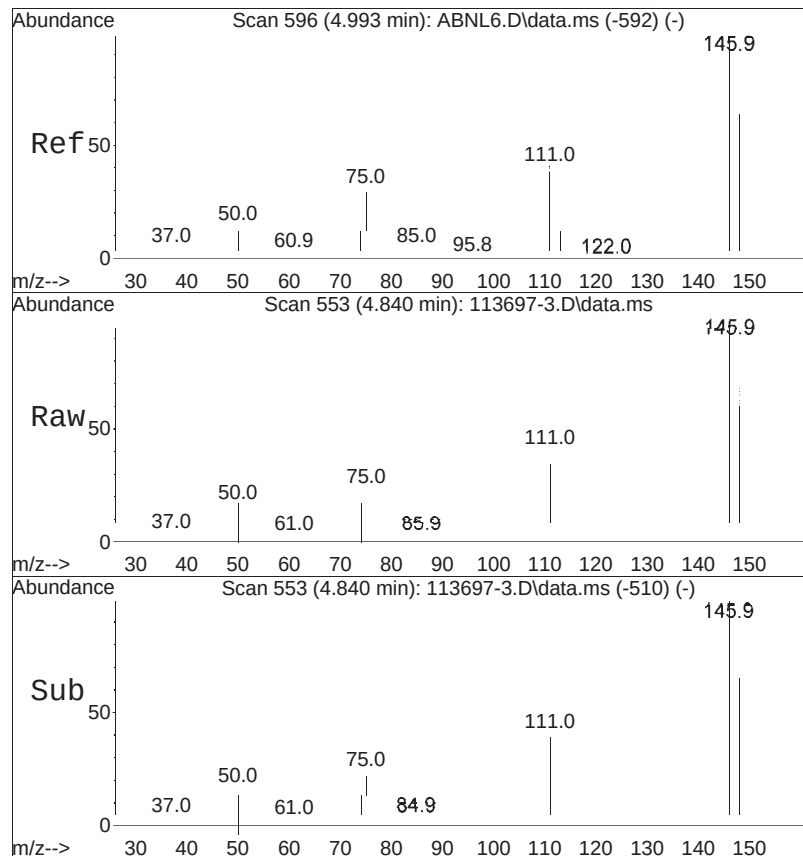




#11
 1,4-Dichlorobenzene
 Concen: 1.16 ug/ml
 RT: 4.693 min Scan# 528
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

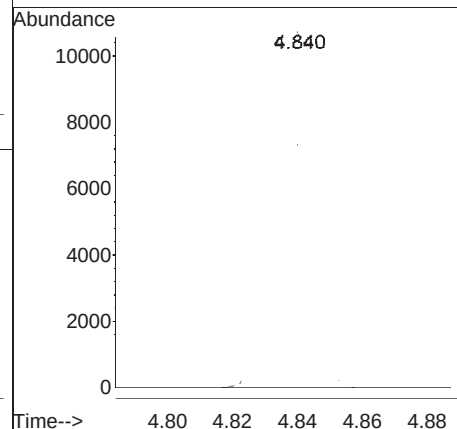
Tgt Ion:	146	Resp:	9866
Ion Ratio	Lower	Upper	
146	100		
148	63.5	51.1	76.7
111	39.1	34.4	51.6

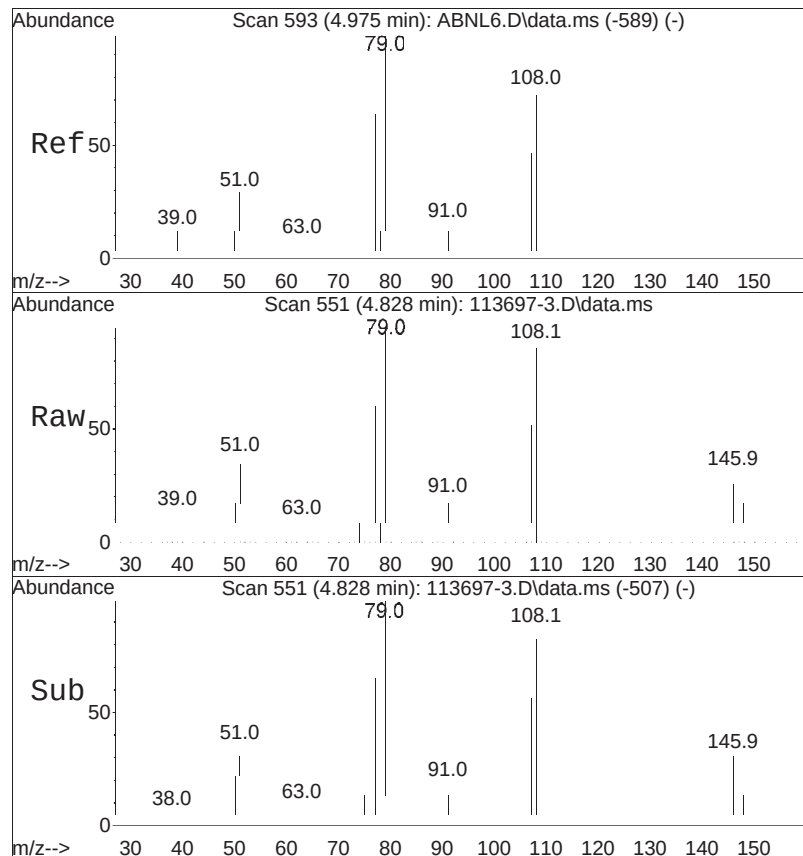




#12
1,2-Dichlorobenzene
Concen: 1.14 ug/ml
RT: 4.840 min Scan# 553
Delta R.T. 0.000 min
Lab File: 113697-3.D
Acq: 12 Sep 2025 04:02 am

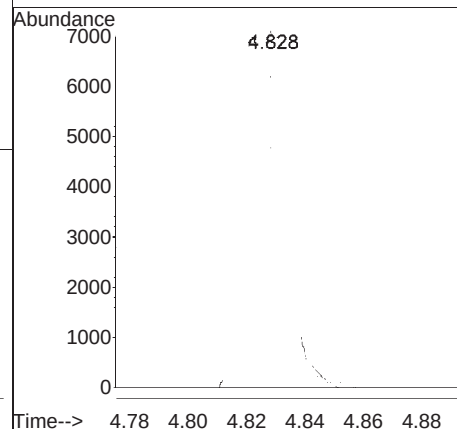
Tgt Ion:	146	Resp:	9383
Ion Ratio	Lower	Upper	
146	100		
111	40.0	35.5	53.3
148	66.9	50.6	76.0

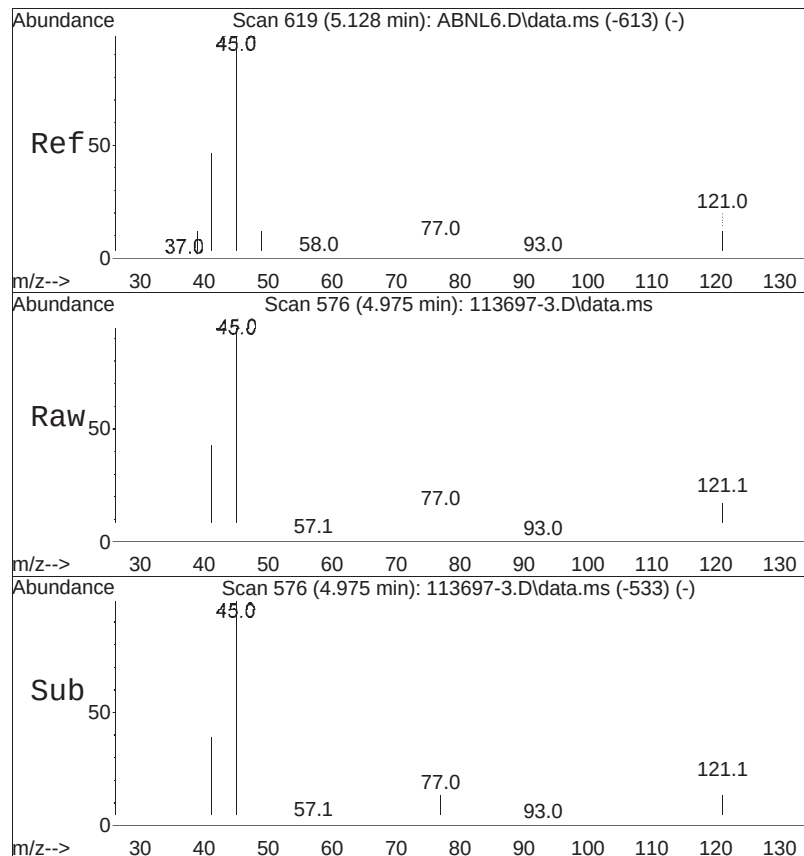




#13
 Benzyl alcohol
 Concen: 1.07 ug/ml
 RT: 4.828 min Scan# 551
 Delta R.T. 0.006 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

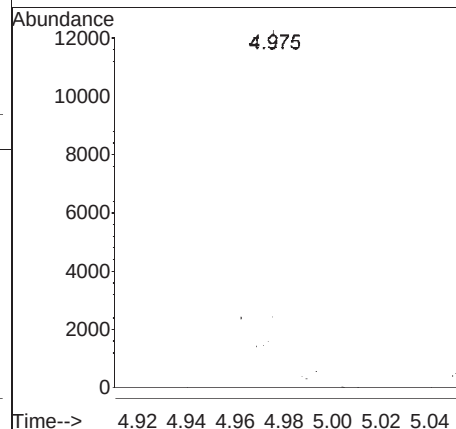
Tgt Ion:	79	Resp:	6309
Ion Ratio	Lower	Upper	
79	100		
77	68.6	51.8	77.6
108	84.8	63.9	95.9

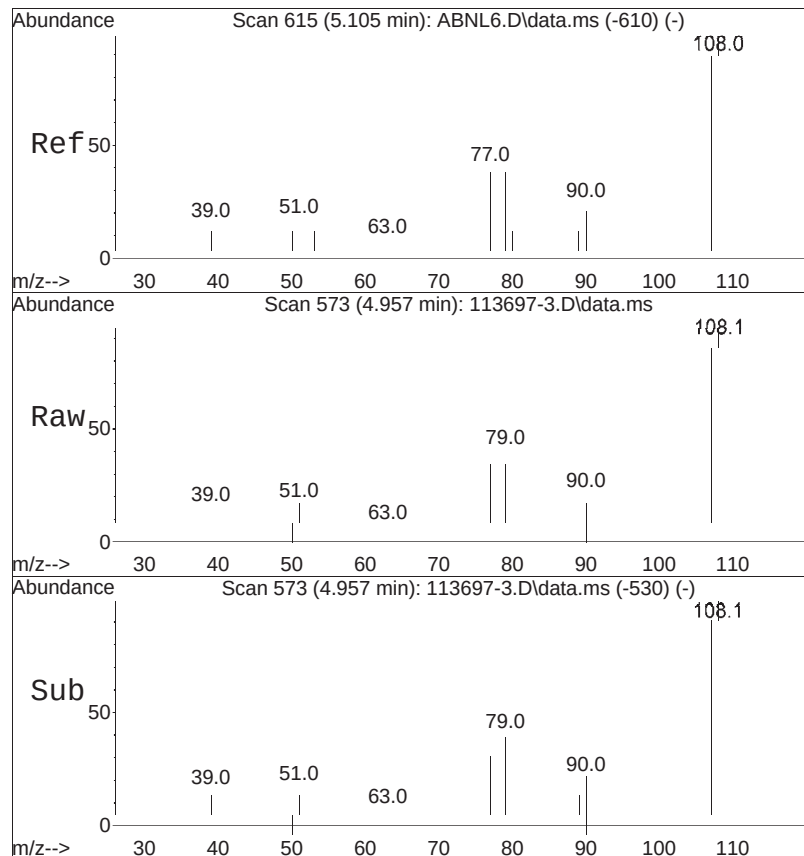




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.05 ug/ml
 RT: 4.975 min Scan# 576
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

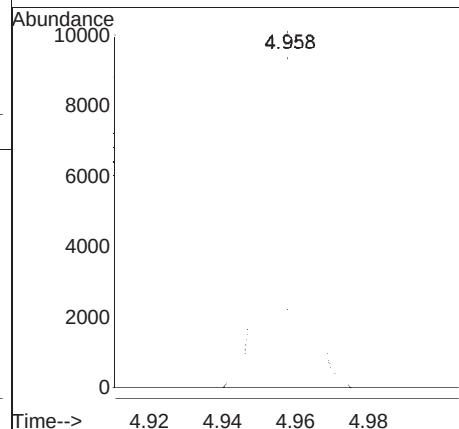
Tgt Ion:	45	Resp:	11934
Ion Ratio	100	Lower	Upper
121	20.0	14.8	22.2
77	42.4	10.5	15.7#

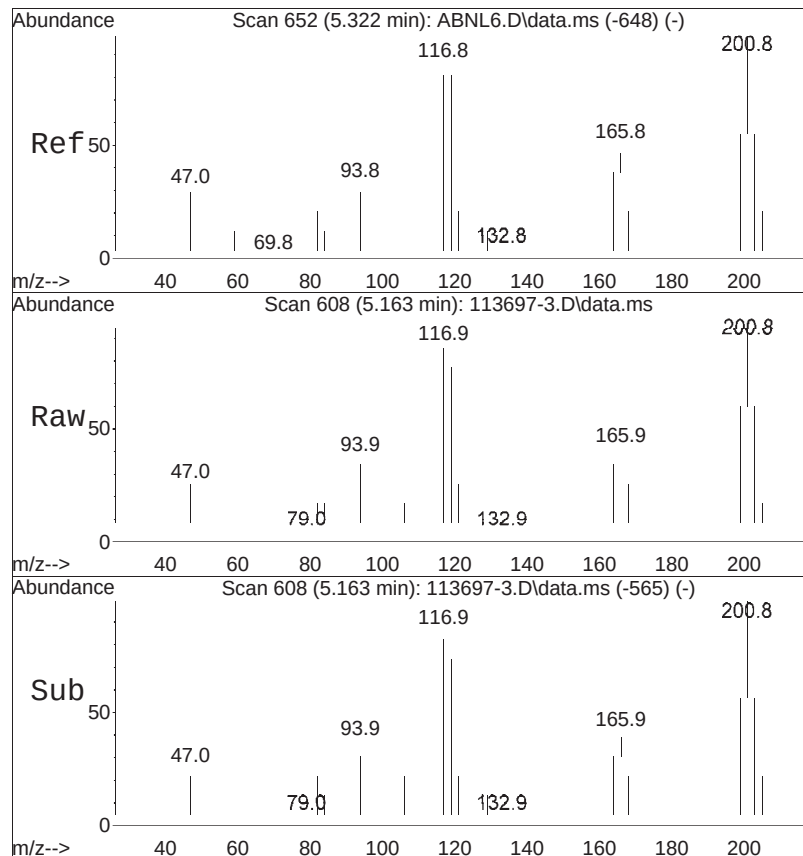




#15
 2-Methylphenol
 Concen: 1.27 ug/ml
 RT: 4.957 min Scan# 573
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

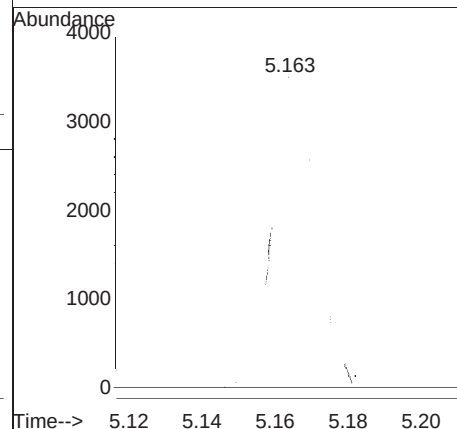
Tgt Ion:	108	Resp:	7731
Ion Ratio	Lower	Upper	
108	100		
107	92.1	71.0	106.4
90	24.3	19.7	29.5

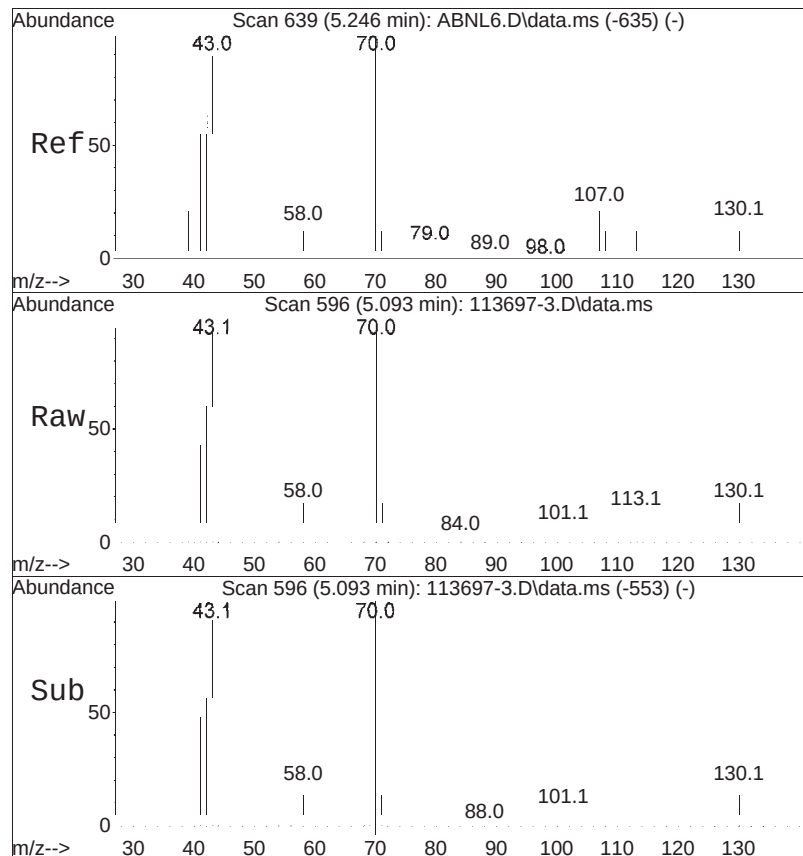




#16
 Hexachloroethane
 Concen: 0.99 ug/ml
 RT: 5.163 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

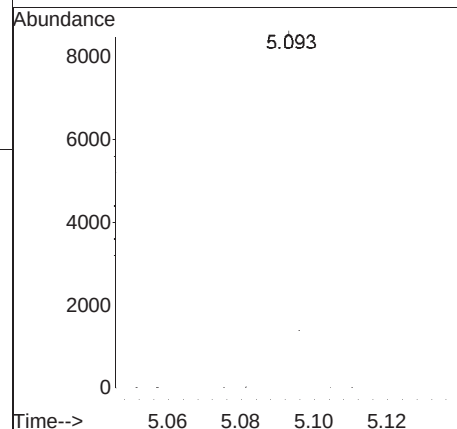
Tgt Ion:	117	Resp:	3102
Ion Ratio	Lower	Upper	
117	100		
201	123.2	64.4	96.6#
199	73.7	40.5	60.7#

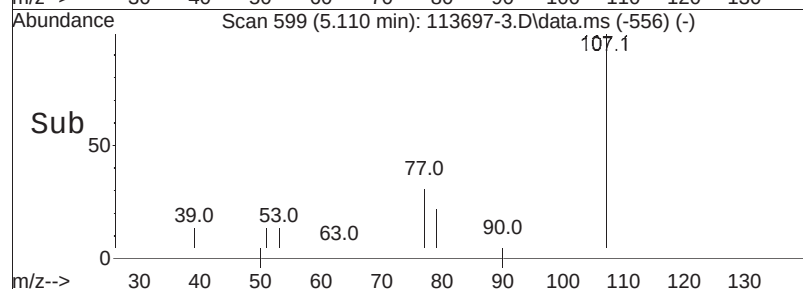
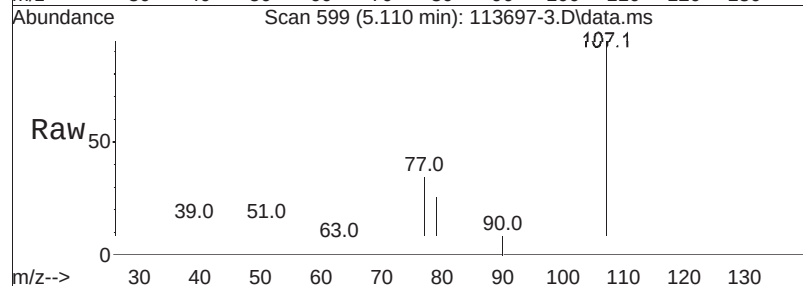
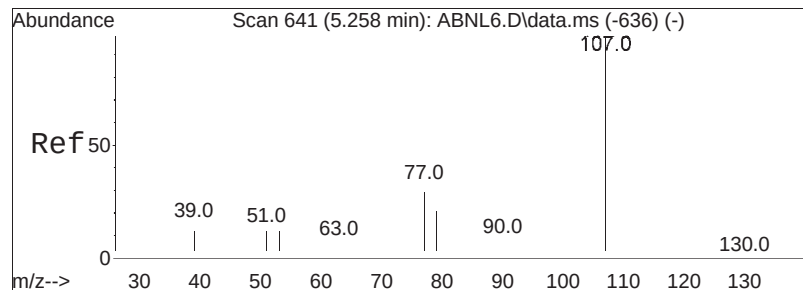




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.22 ug/ml
 RT: 5.093 min Scan# 596
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

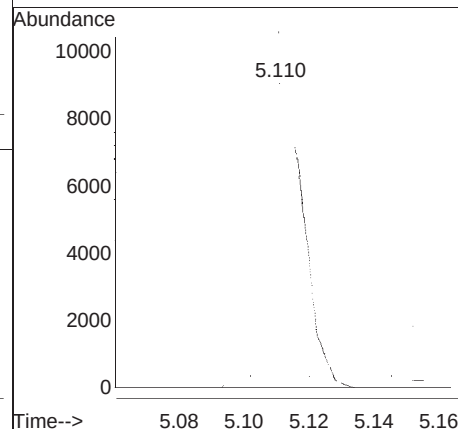
Tgt Ion:	70	Resp:	6647
Ion Ratio	Lower	Upper	
70	100		
130	19.6	16.2	24.4
101	8.3	7.6	11.4

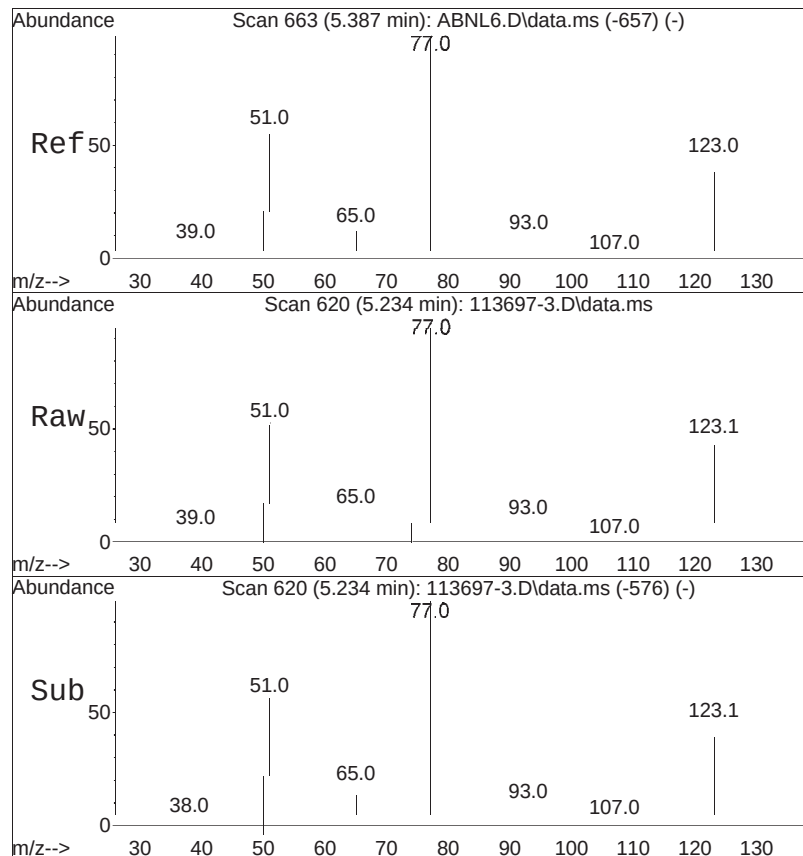




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.26 ug/ml
 RT: 5.110 min Scan# 599
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

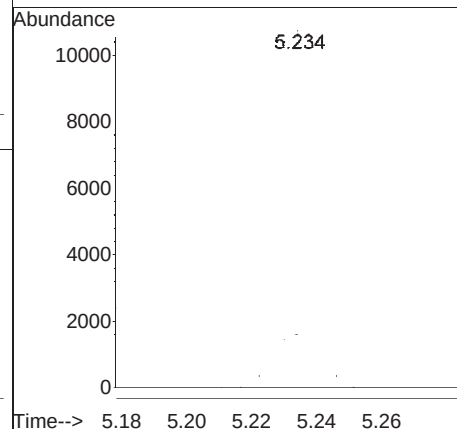
Tgt Ion	Ratio	Lower	Upper
108	100		
107	110.5	88.8	133.2
90	10.1	9.0	13.6

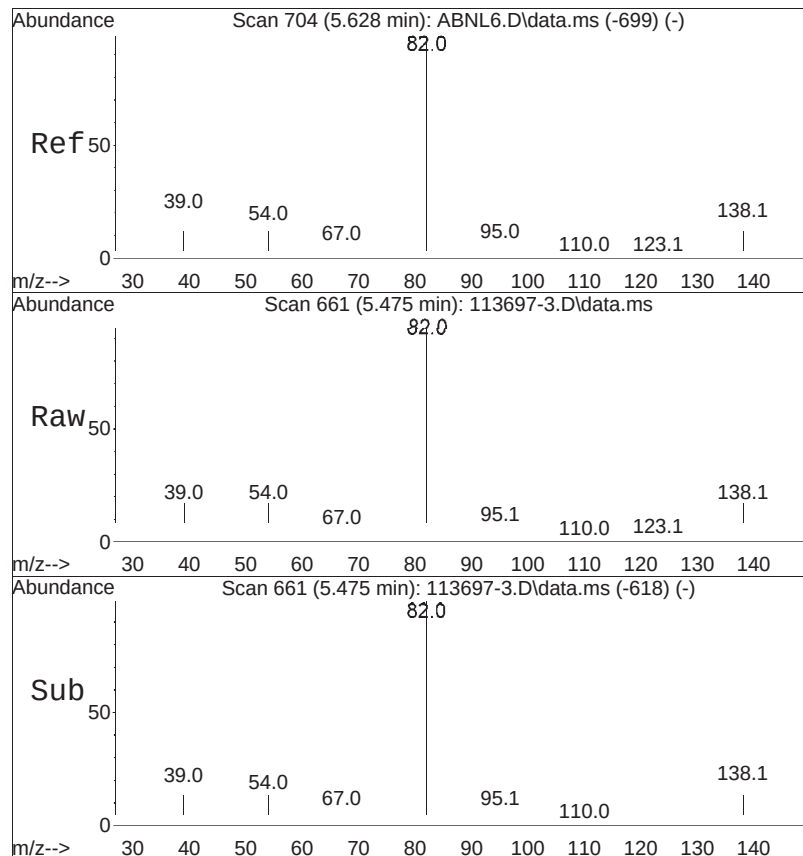




#20
 Nitrobenzene
 Concen: 1.29 ug/ml
 RT: 5.234 min Scan# 620
 Delta R.T. 0.006 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

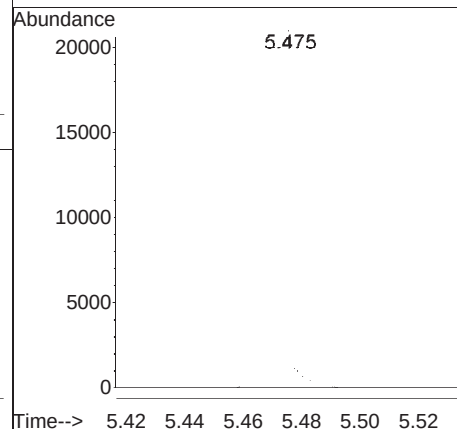
Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.7	37.3	55.9
65	14.2	10.9	16.3

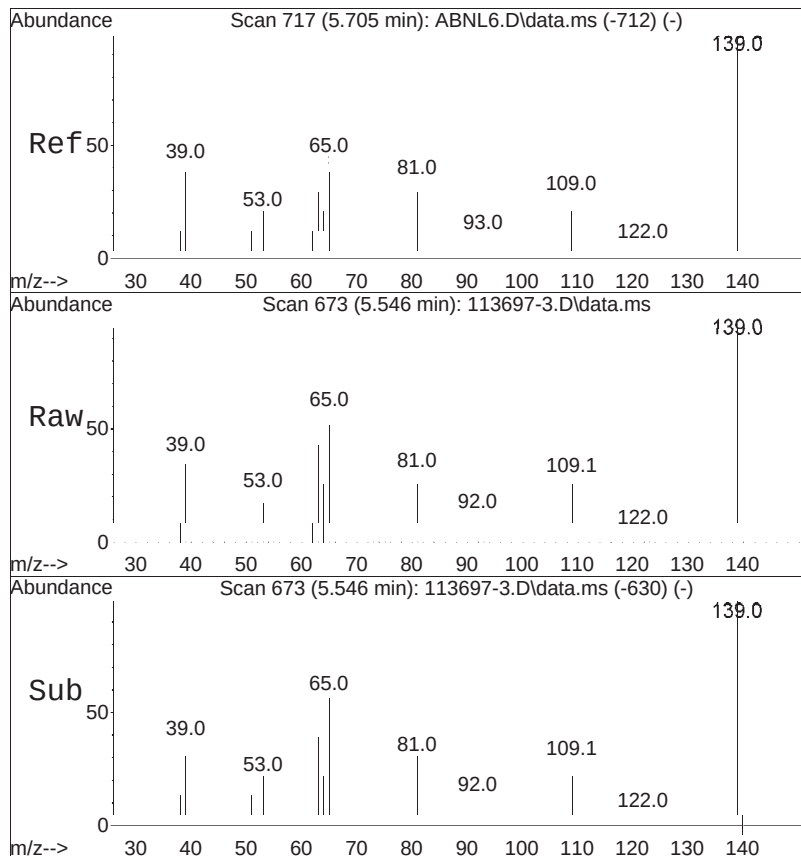




#21
 Isophorone
 Concen: 1.18 ug/ml
 RT: 5.475 min Scan# 661
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

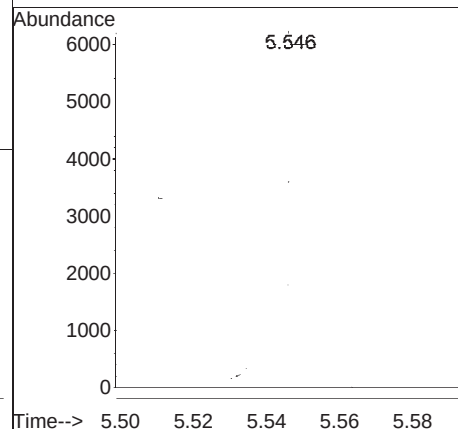
Tgt Ion	82	138	95	Ratio	100	16.0	7.4	Resp	17713	Lower	Upper
82	100										
138		16.0								13.0	19.4
95			7.4							5.5	8.3

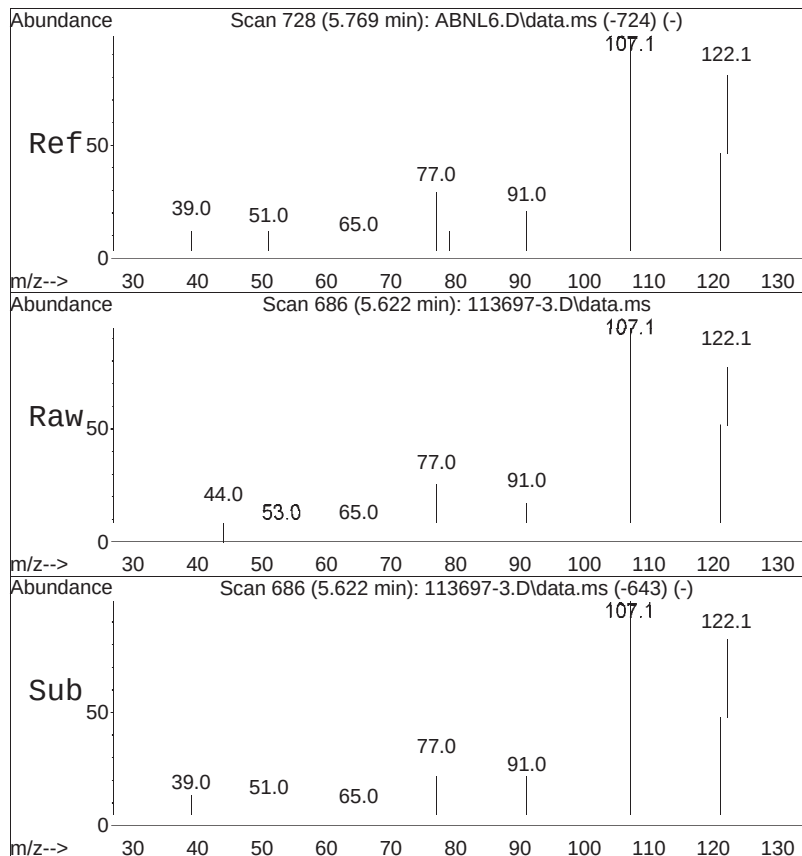




#22
 2-Nitrophenol
 Concen: 1.50 ug/ml
 RT: 5.546 min Scan# 673
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

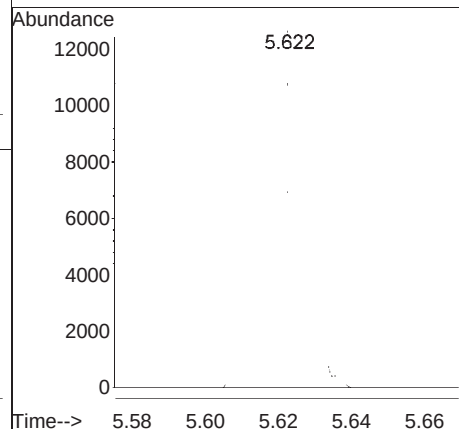
Tgt Ion:	139	Resp:	5000
Ion Ratio	Lower	Upper	
139	100		
109	25.3	23.1	34.7
65	53.6	41.4	62.2

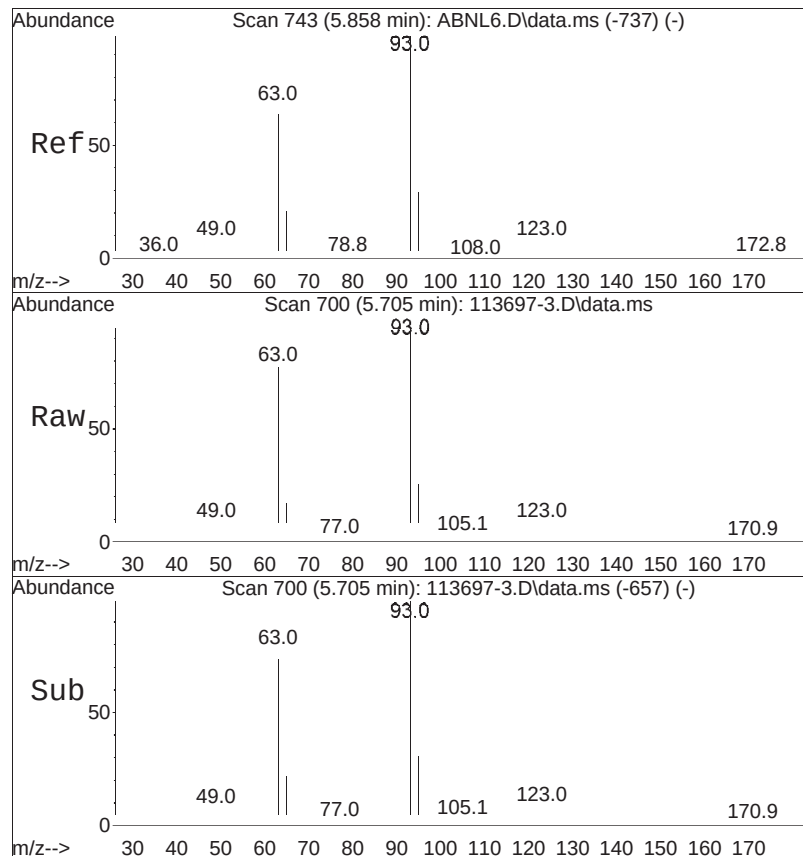




#23
 2,4-Dimethylphenol
 Concen: 1.20 ug/ml
 RT: 5.622 min Scan# 686
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

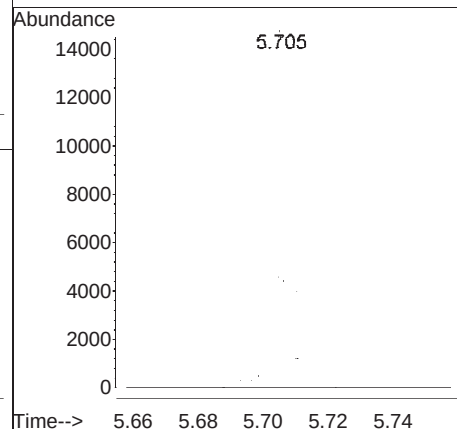
Tgt Ion:	107	Resp:	9566
Ion Ratio	Lower	Upper	
107	100		
121	52.1	41.3	61.9
122	83.1	69.3	103.9

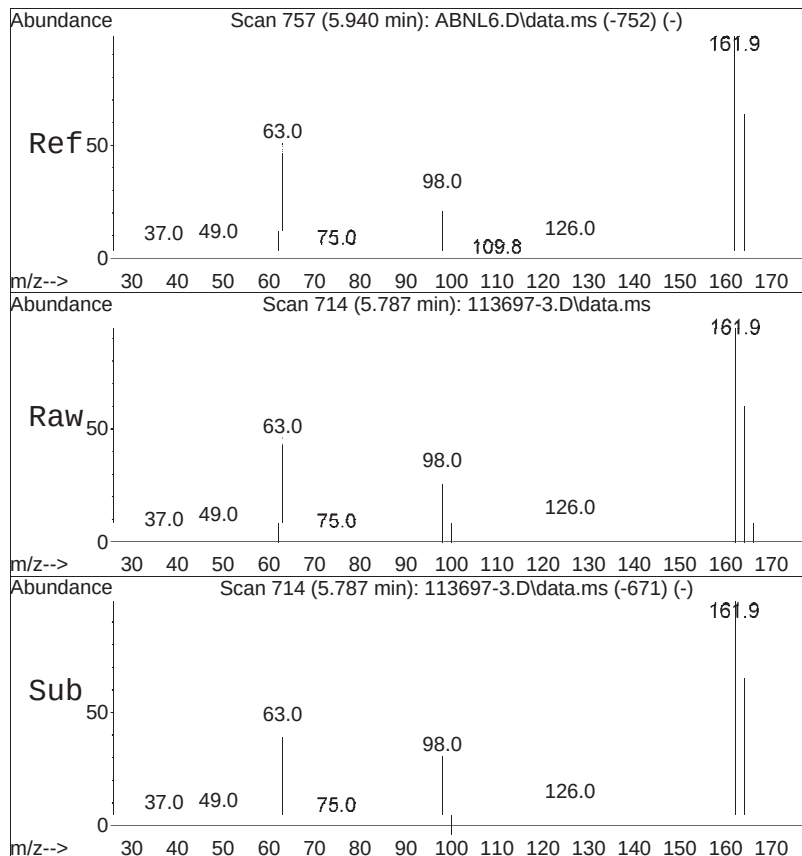




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.25 ug/ml
 RT: 5.705 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

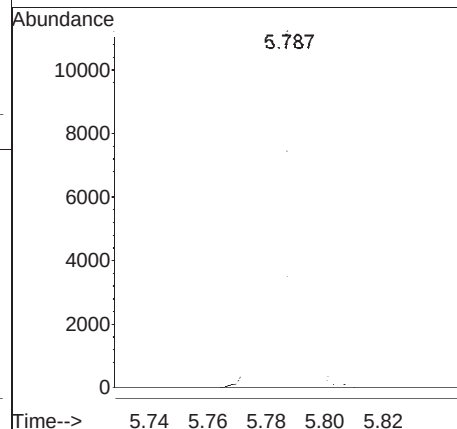
Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.8
123	10.5	9.6	14.4

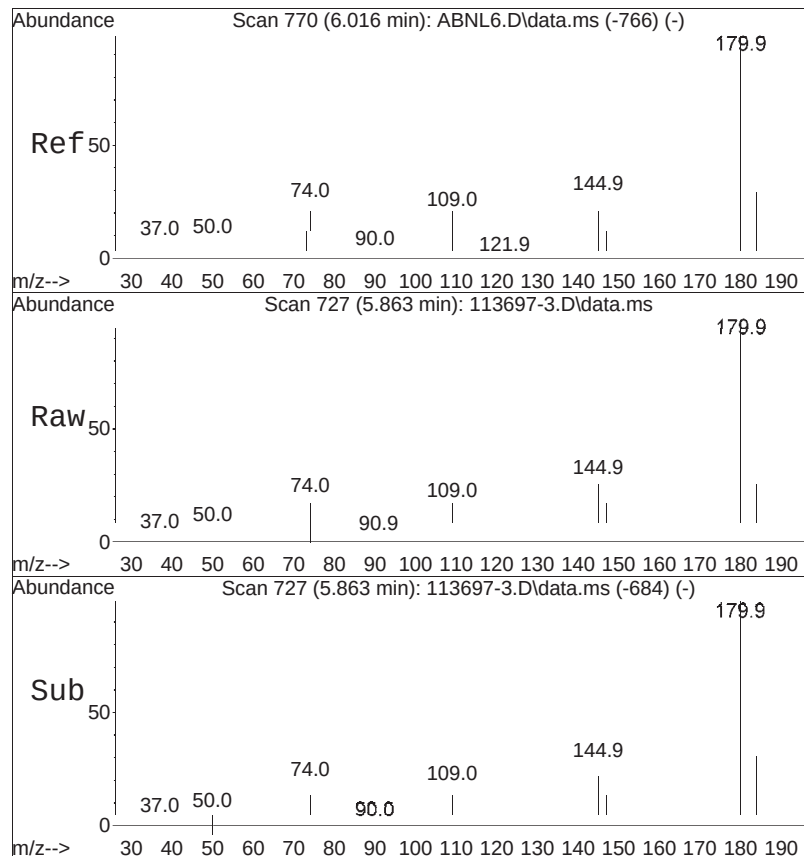




#25
 2,4-Dichlorophenol
 Concen: 1.37 ug/ml
 RT: 5.787 min Scan# 714
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

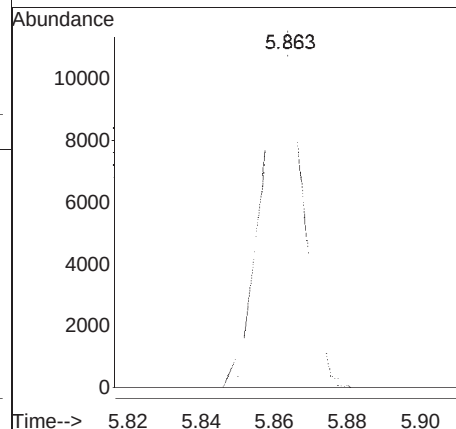
Tgt Ion:	162	Resp:	9637
Ion Ratio	Lower	Upper	
162	100		
164	65.3	51.1	76.7
98	32.0	32.2	48.2#

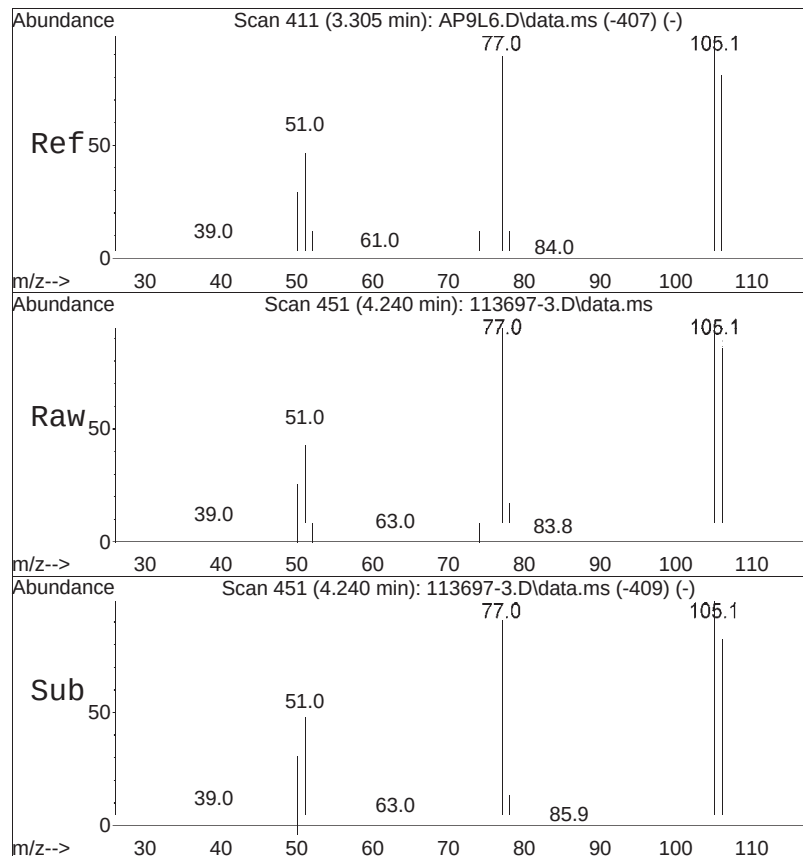




#26
 1,2,4-Trichlorobenzene
 Concen: 1.09 ug/ml
 RT: 5.863 min Scan# 727
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

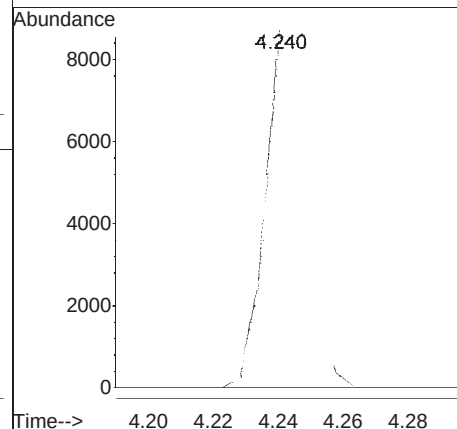
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	75.8	113.8
145	29.3	26.3	39.5

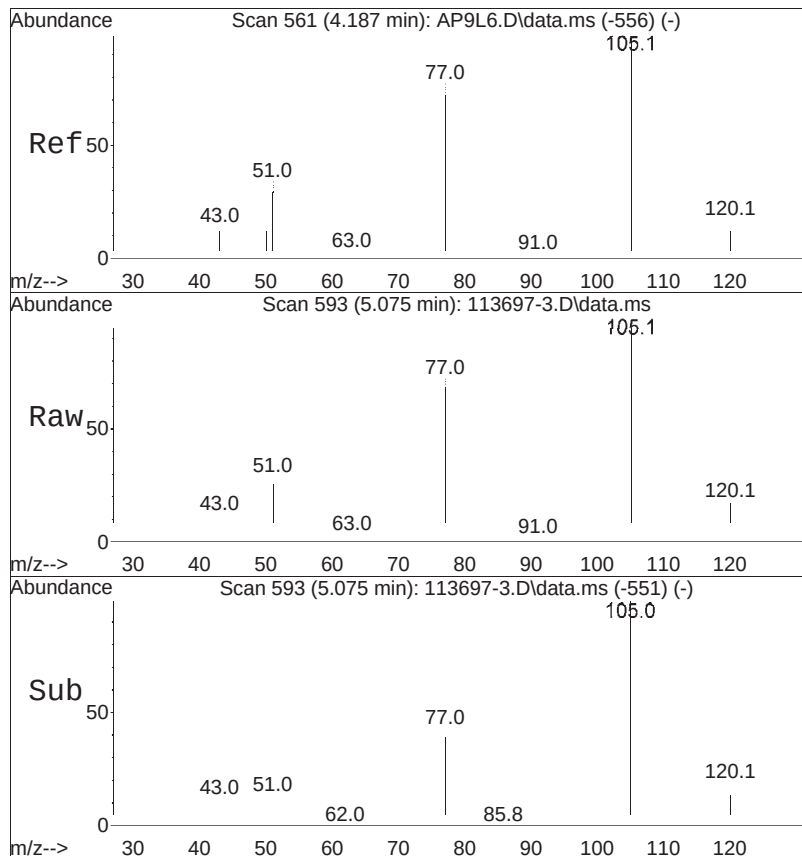




#28
Benzaldehyde
Concen: 2.42 ug/ml
RT: 4.240 min Scan# 451
Delta R.T. -0.000 min
Lab File: 113697-3.D
Acq: 12 Sep 2025 04:02 am

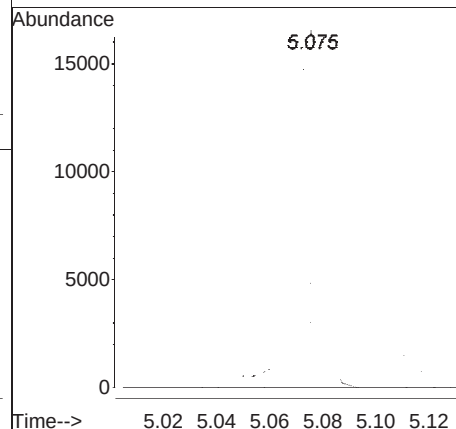
Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
77	94.6		77.0	115.6

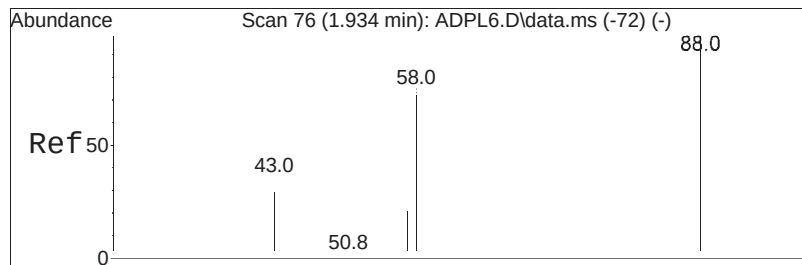




#29
 Acetophenone
 Concen: 1.33 ug/ml
 RT: 5.075 min Scan# 593
 Delta R.T. -0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

Tgt Ion	105	120	51	Ratio	100	17.8	34.9	Resp:	13841	Lower	Upper
105	100										
120		17.8			15.2	22.8					
51			34.9		23.1	34.7#					





#33

1,4-Dioxane

Concen: 0.76 ug/ml

RT: 1.758 min Scan# 29

Delta R.T. 0.006 min

Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am

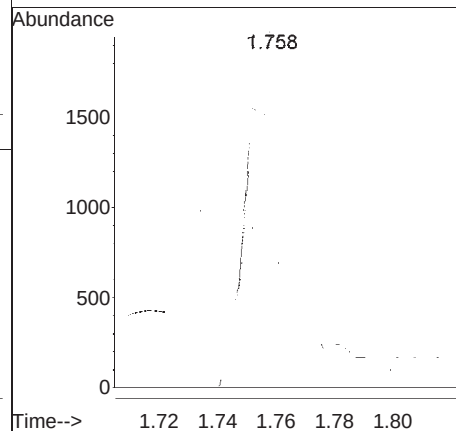
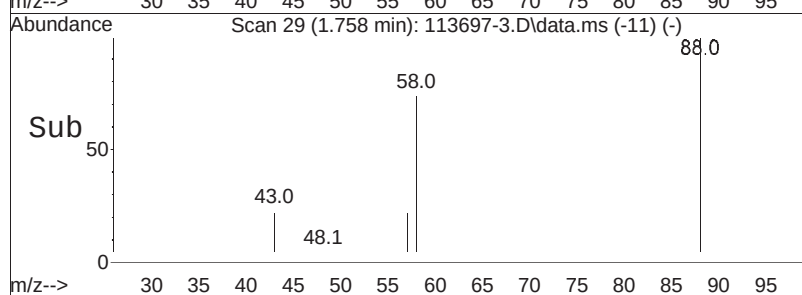
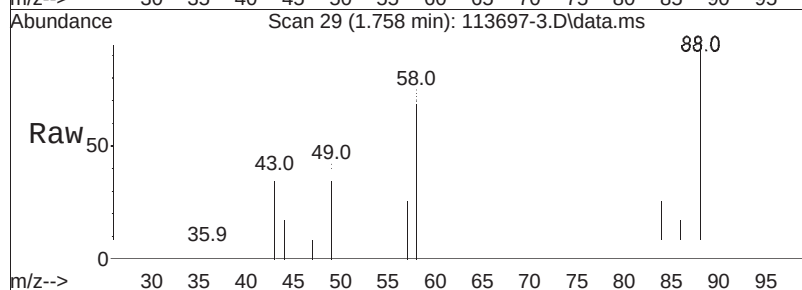
Tgt Ion: 88 Resp: 2181

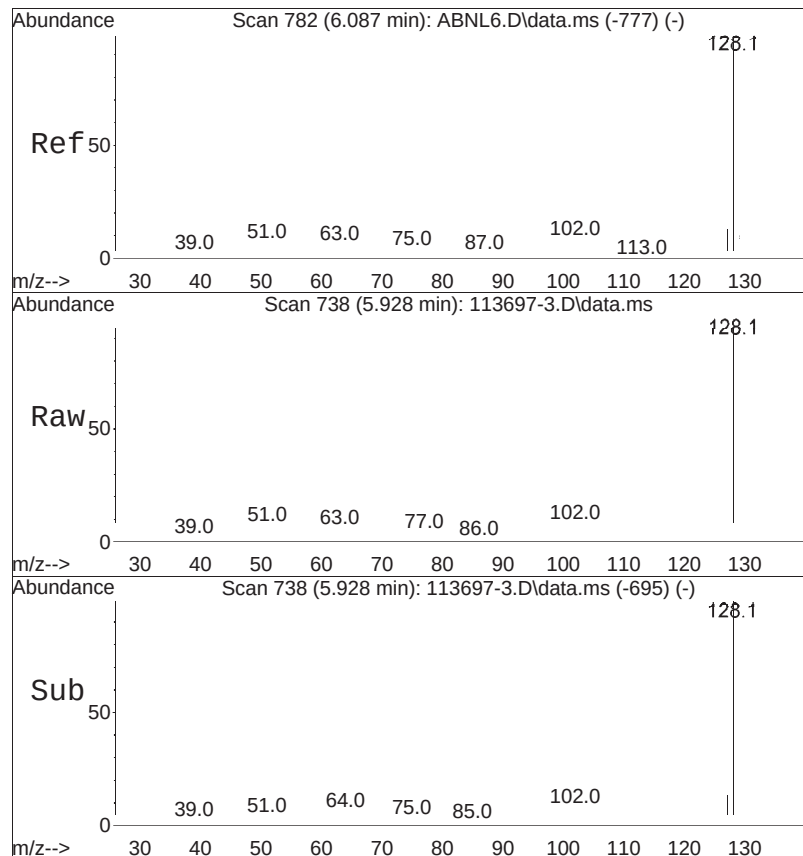
Ion Ratio Lower Upper

88 100

58 81.0 44.8 67.2#

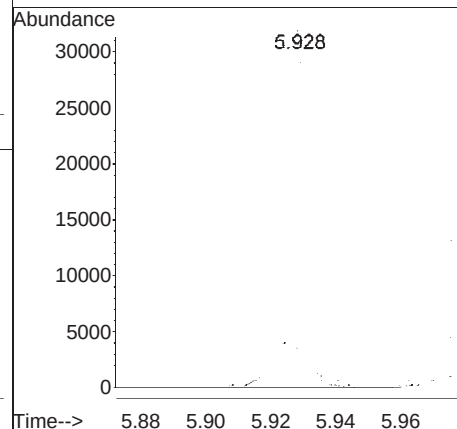
43 0.0 22.4 33.6#

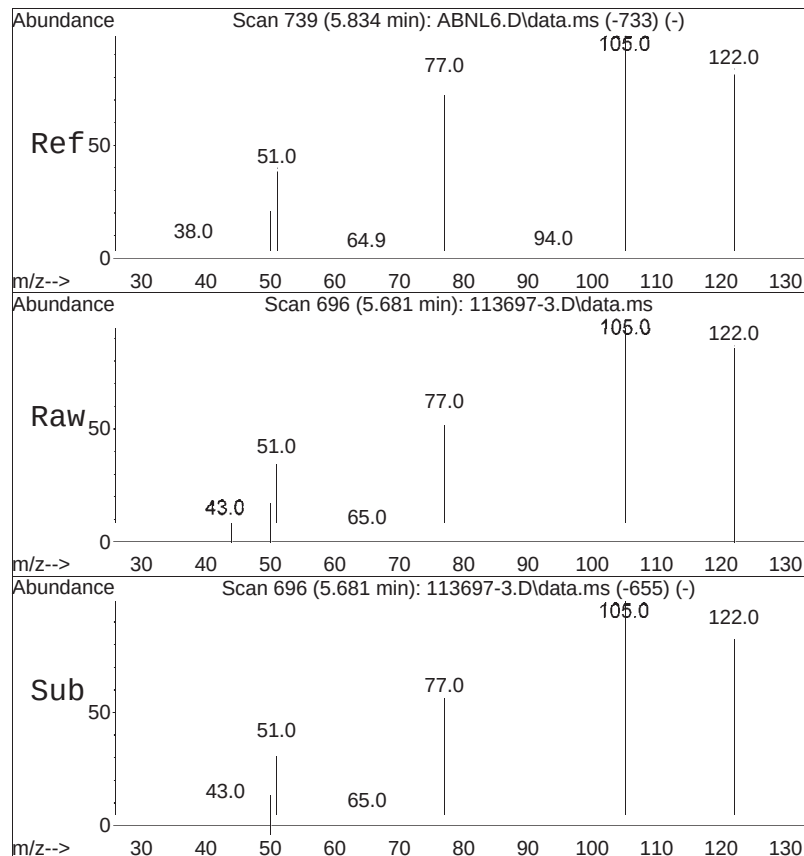




#36
 Naphthalene
 Concen: 1.27 ug/ml
 RT: 5.928 min Scan# 738
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

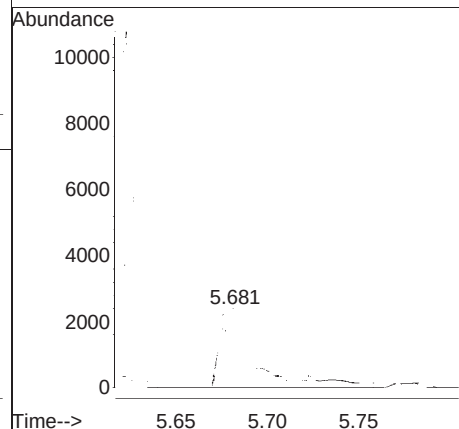
Tgt Ion:	128	Resp:	27430
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.9	13.3
127	13.6	10.6	15.8

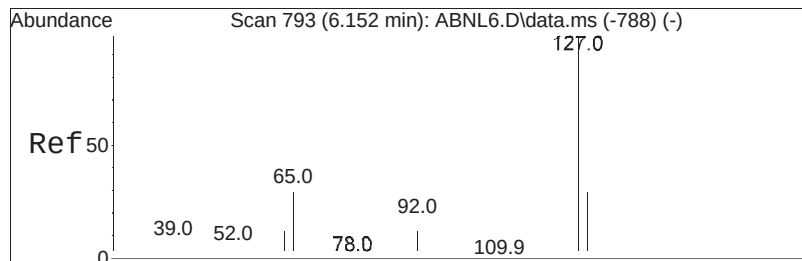




#37
 Benzoic Acid
 Concen: 1.98 ug/ml
 RT: 5.681 min Scan# 696
 Delta R.T. -0.012 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

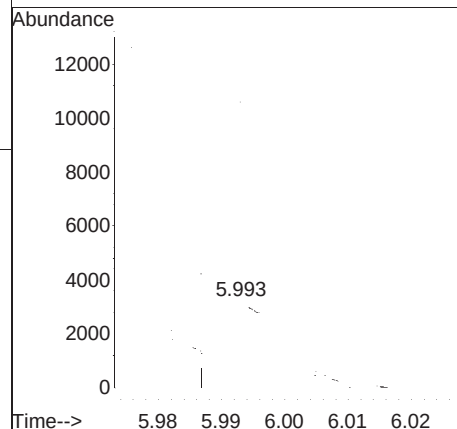
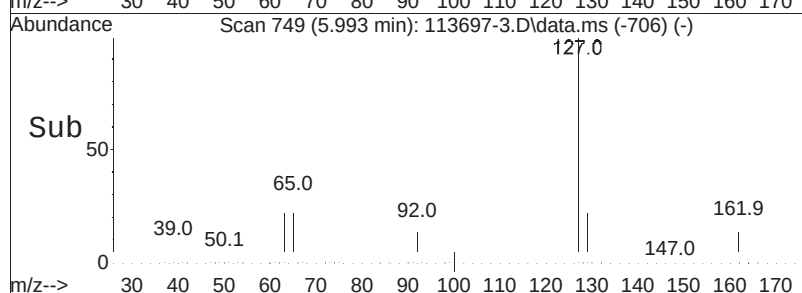
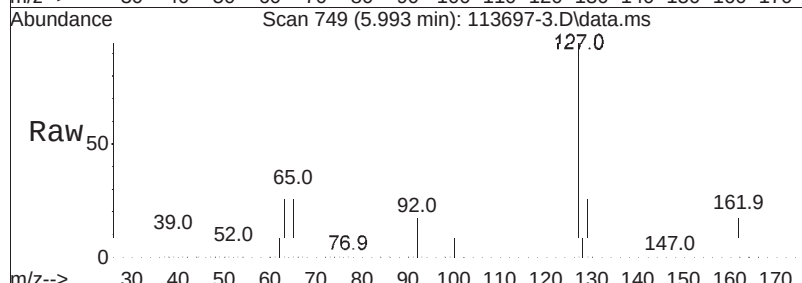
Tgt Ion:	105	Resp:	3513
Ion Ratio	Lower	Upper	
105	100		
122	65.8	62.6	93.8
77	72.4	59.1	88.7

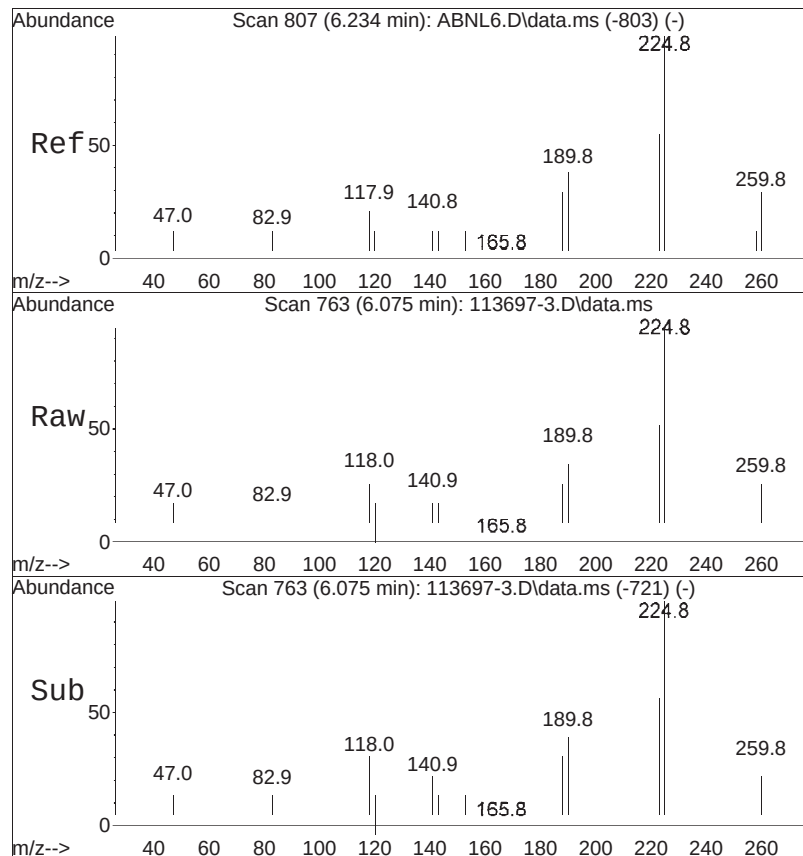




#38
 4-Chloroaniline
 Concen: 0.75 ug/ml M3
 RT: 5.993 min Scan# 749
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

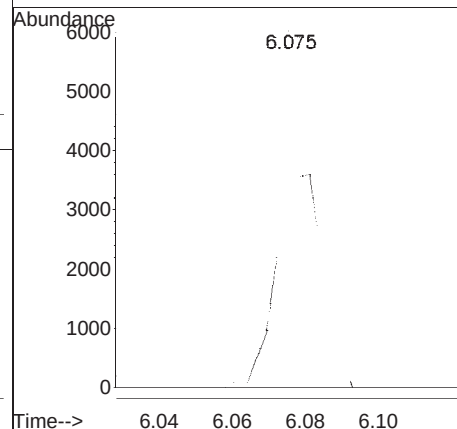
Tgt Ion:	65	Resp:	2188
Ion Ratio	Lower	Upper	
65	100		
127	527.4	266.2	399.4#
129	171.1	85.0	127.4#

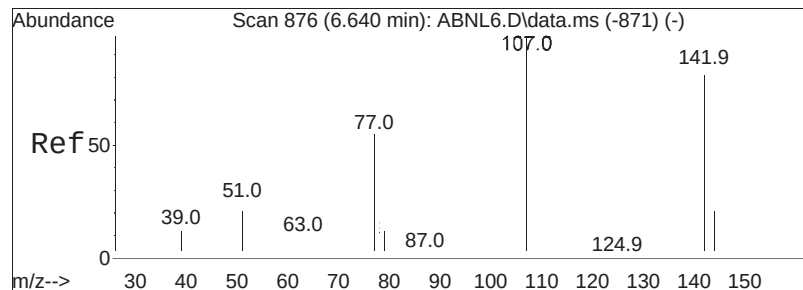




#39
 Hexachlorobutadiene
 Concen: 1.03 ug/ml
 RT: 6.075 min Scan# 763
 Delta R.T. -0.006 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

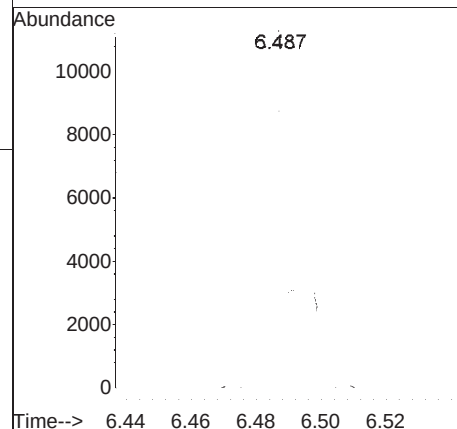
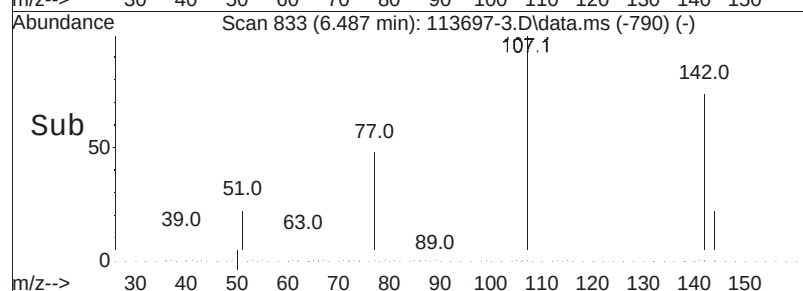
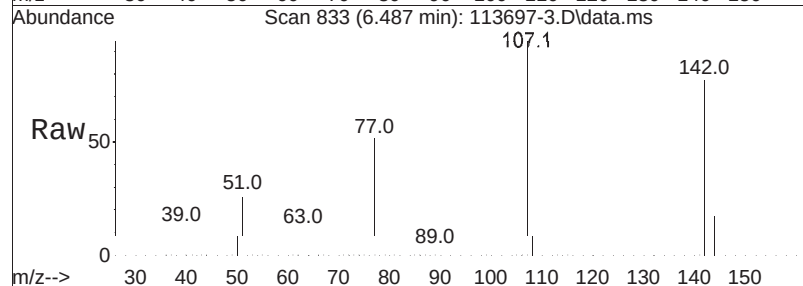
Tgt Ion:	225	Resp:	5283
Ion Ratio	Lower	Upper	
225	100		
223	58.9	50.5	75.7
227	62.1	50.4	75.6

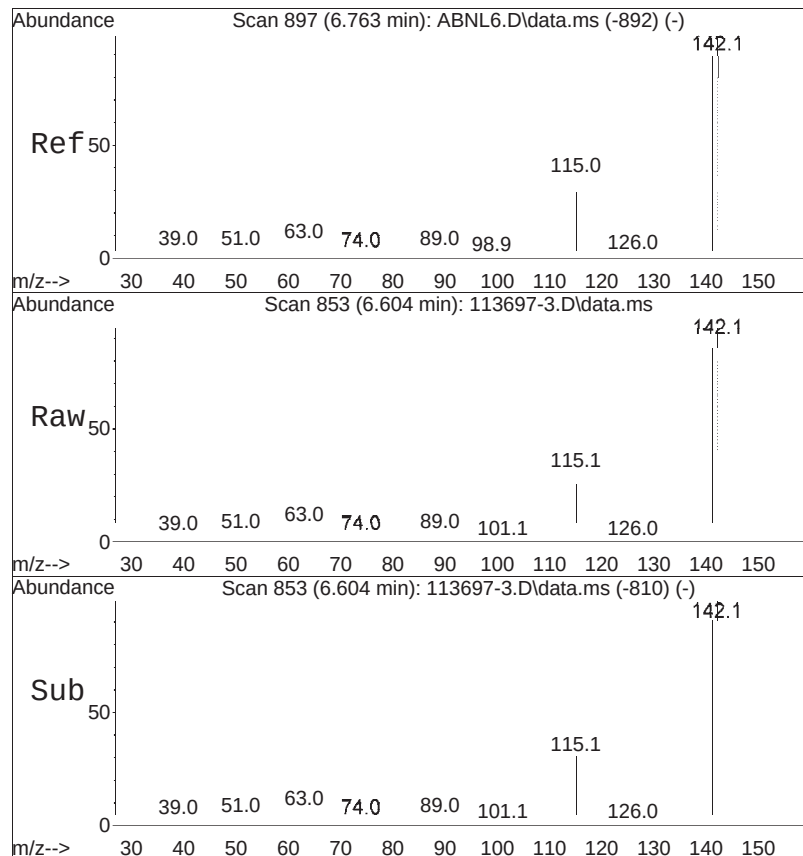




#40
 p-Chloro-m-cresol
 Concen: 1.46 ug/ml
 RT: 6.487 min Scan# 833
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

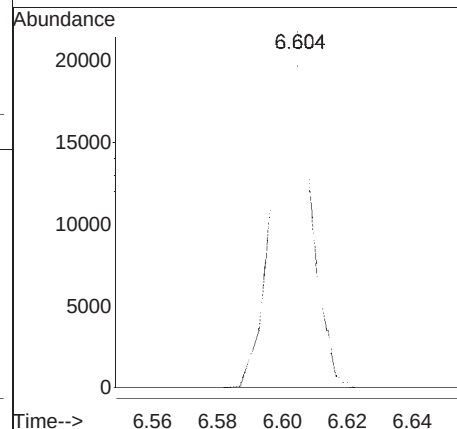
Tgt Ion:	107	Resp:	9734
Ion Ratio	Lower	Upper	
107	100		
144	27.0	20.3	30.5
142	81.5	63.8	95.6

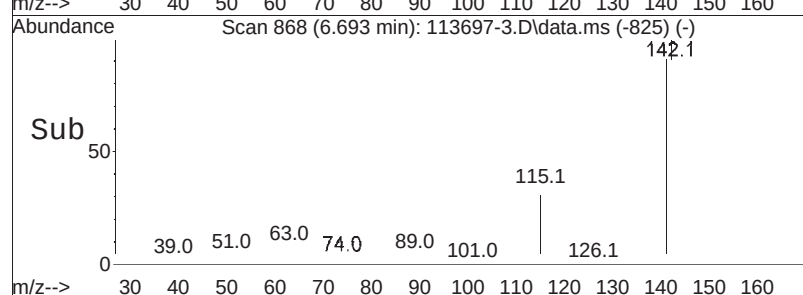
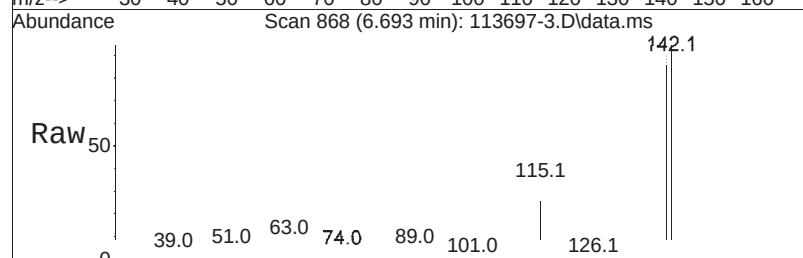
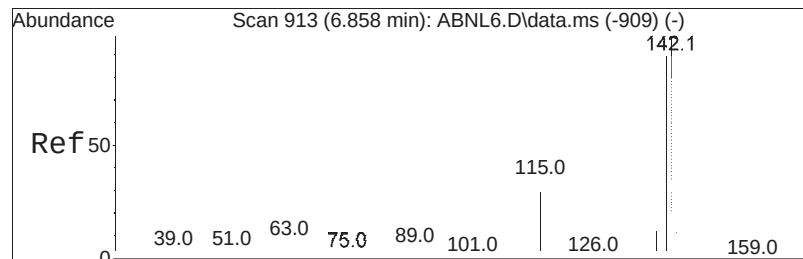




#41
 2-Methylnaphthalene
 Concen: 1.31 ug/ml
 RT: 6.604 min Scan# 853
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

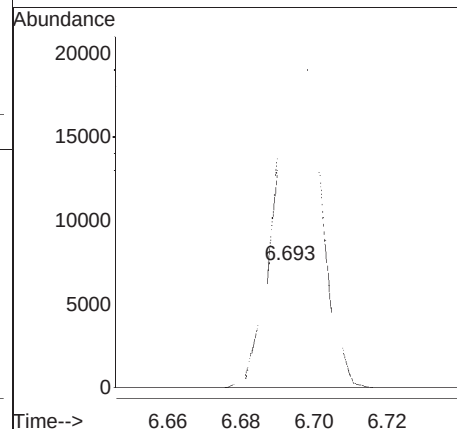
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	72.2	108.4
115	33.7	27.8	41.6

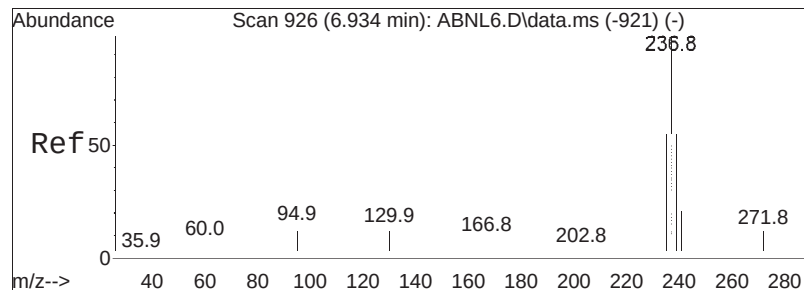




#42
 1-Methylnaphthalene
 Concen: 1.16 ug/ml
 RT: 6.693 min Scan# 868
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

Tgt Ion:	115	Resp:	6343
Ion Ratio	Lower	Upper	
115	100		
141	278.9	205.4	308.2
142	291.6	220.2	330.4





#43

Hexachlorocyclopentadiene

Concen: 1.20 ug/ml

RT: 6.775 min Scan# 882

Delta R.T. 0.000 min

Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am

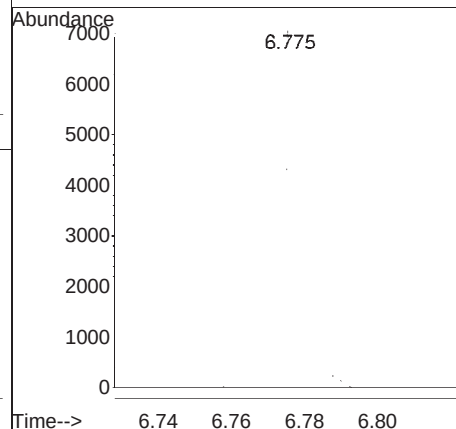
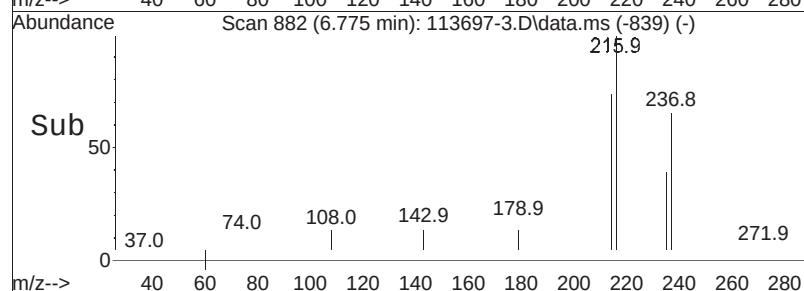
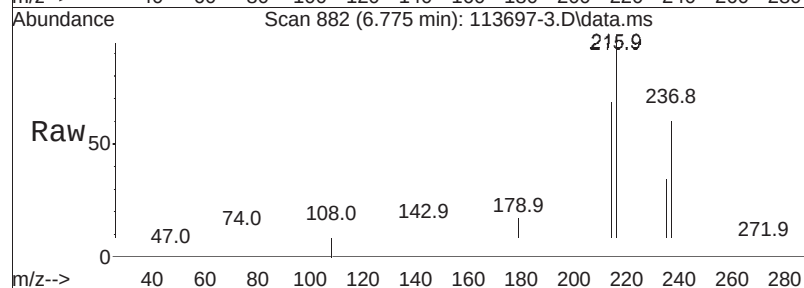
Tgt Ion: 237 Resp: 5367

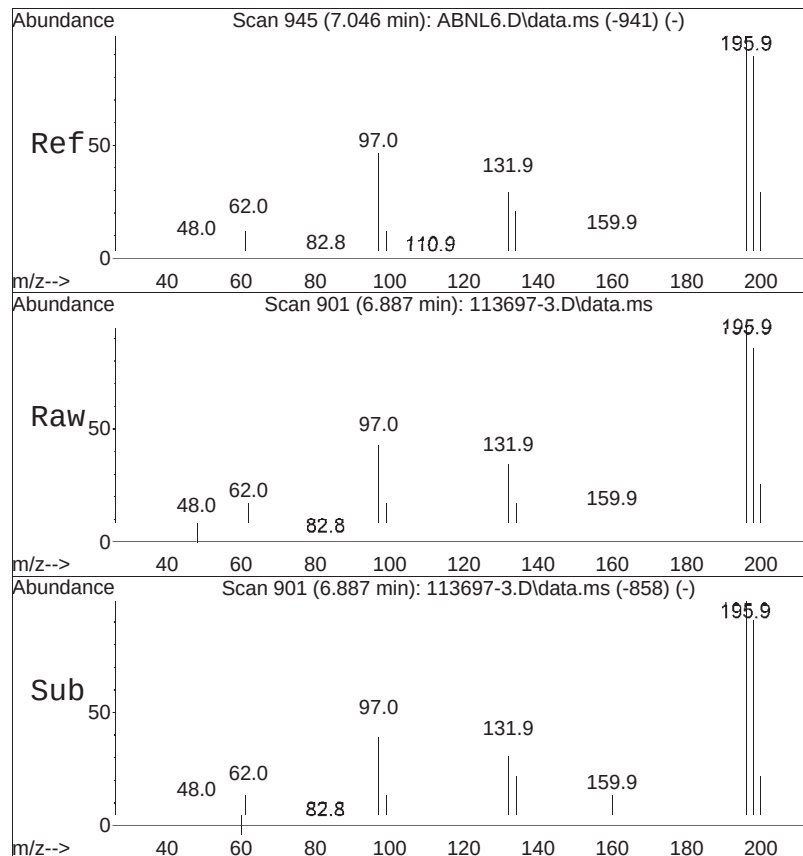
Ion Ratio Lower Upper

237 100

235 63.6 50.9 76.3

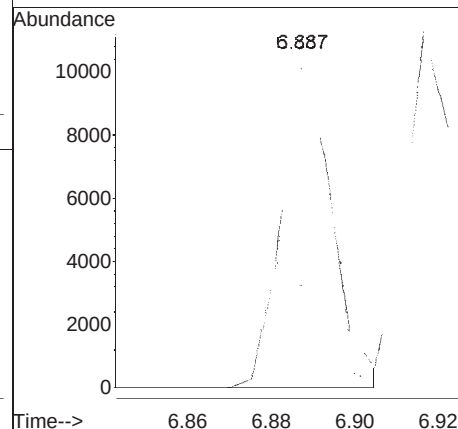
272 10.9 10.1 15.1

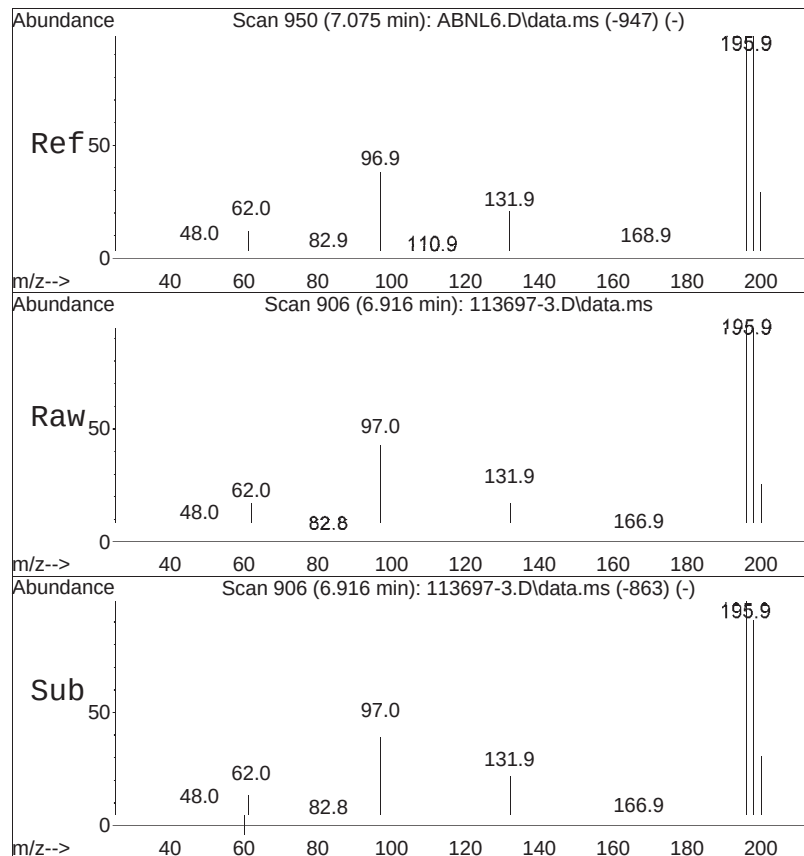




#44
 2,4,6-Trichlorophenol
 Concen: 1.49 ug/ml
 RT: 6.887 min Scan# 901
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

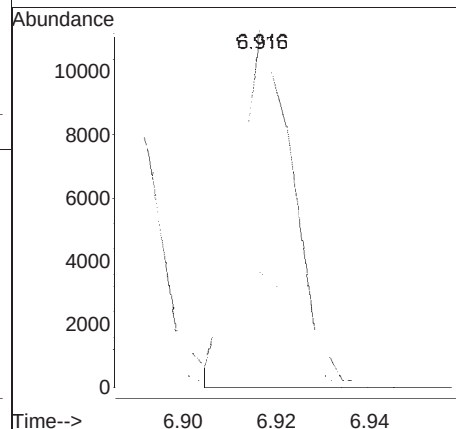
Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.4	114.6
200	30.5	24.4	36.6

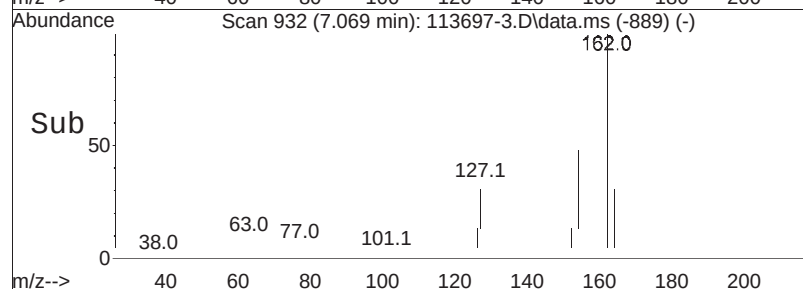
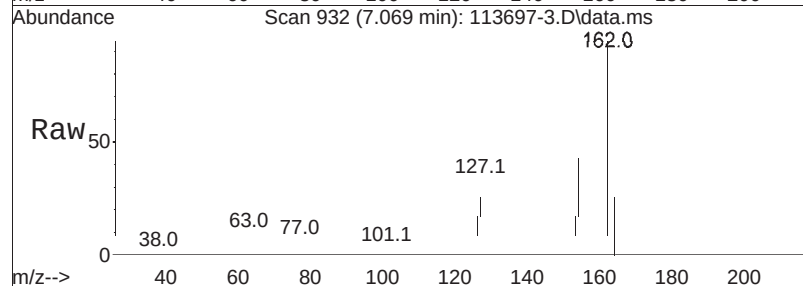
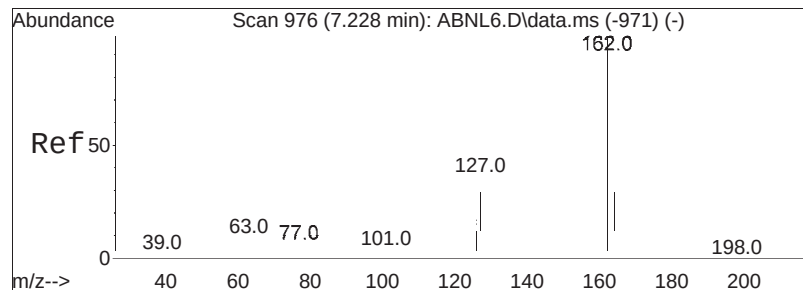




#45
 2,4,5-Trichlorophenol
 Concen: 1.52 ug/ml M3
 RT: 6.916 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

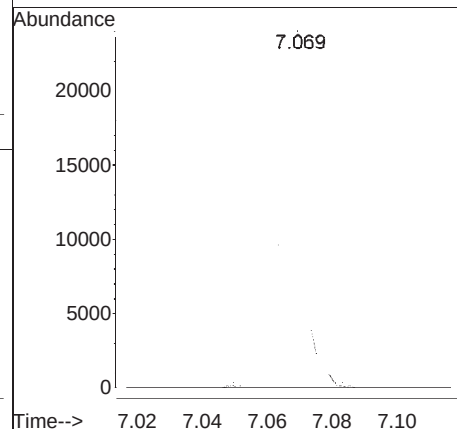
Tgt Ion:	196	Resp:	9085
Ion Ratio	Lower	Upper	
196	100		
200	29.4	24.2	36.4
198	92.9	76.2	114.2

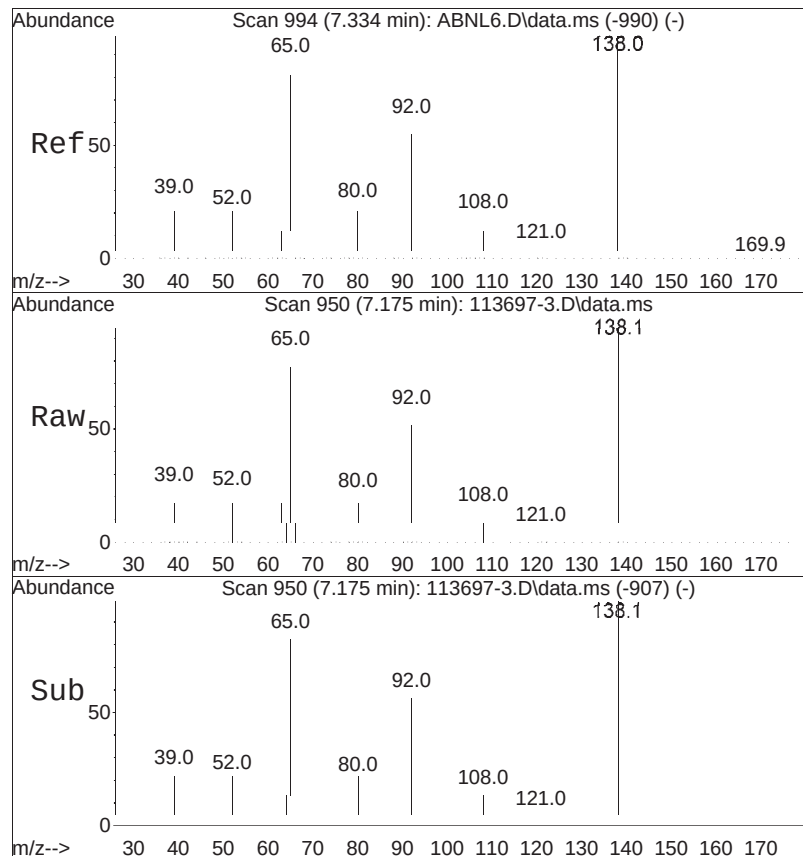




#47
 2-Chloronaphthalene
 Concen: 1.32 ug/ml
 RT: 7.069 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

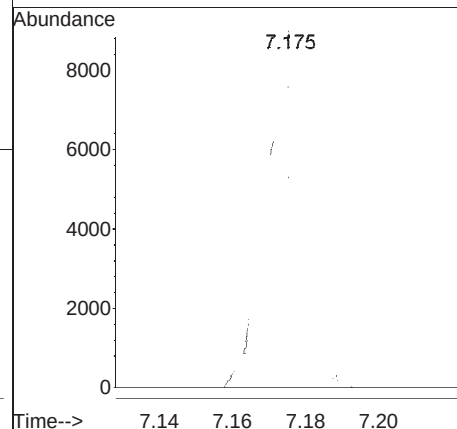
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	21048		
127	39.5		33.8	50.6
164	32.2		25.8	38.6

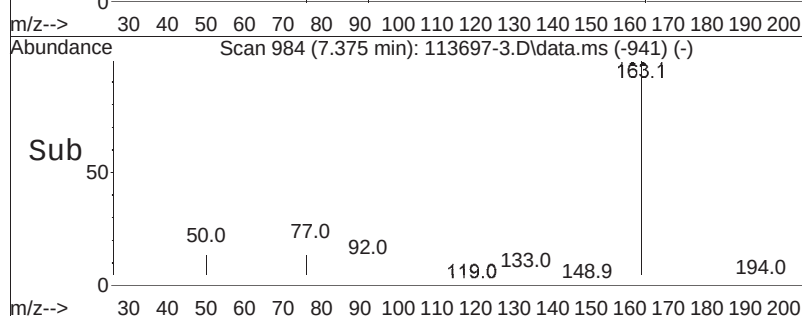
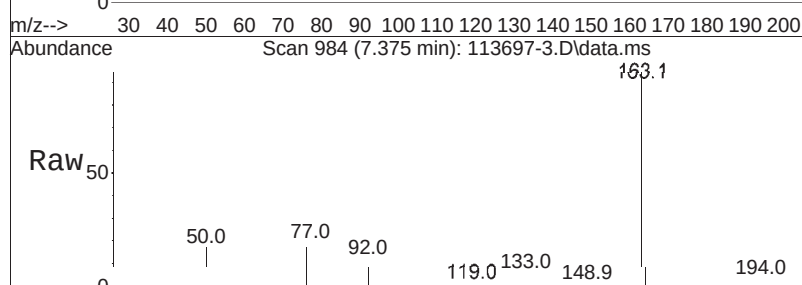
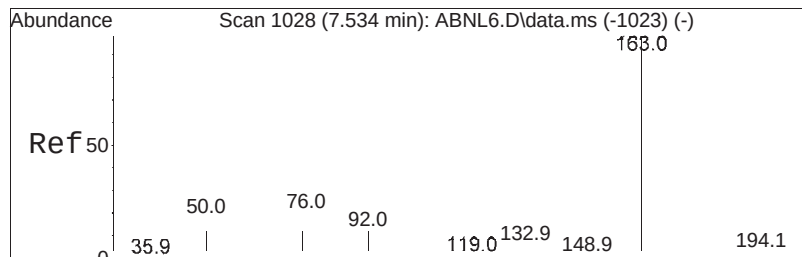




#48
 2-Nitroaniline
 Concen: 1.58 ug/ml
 RT: 7.175 min Scan# 950
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

Tgt Ion	Ratio	Lower	Upper
138	100		
92	58.7	52.1	78.1
65	88.0	75.9	113.9





#51

Dimethyl phthalate

Concen: 1.50 ug/ml

RT: 7.375 min Scan# 984

Delta R.T. 0.000 min

Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am

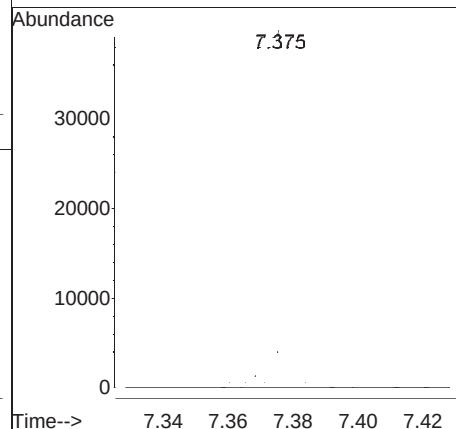
Tgt Ion:163 Resp: 30328

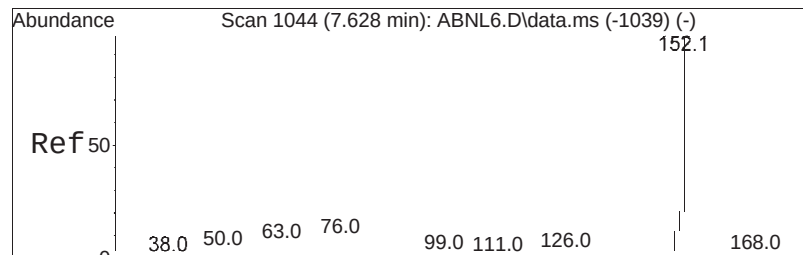
Ion Ratio Lower Upper

163 100

194 2.9 2.3 3.5

164 10.1 8.2 12.2





#52

Acenaphthylene

Concen: 1.42 ug/ml

RT: 7.463 min Scan# 999

Delta R.T. 0.000 min

Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am

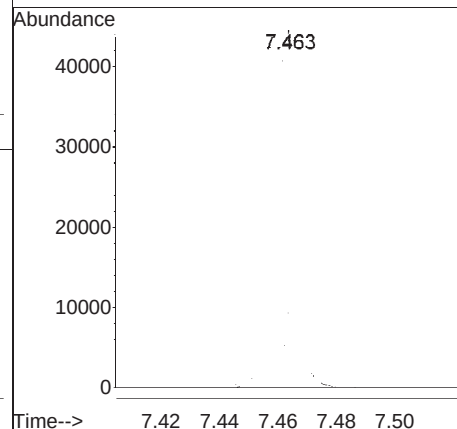
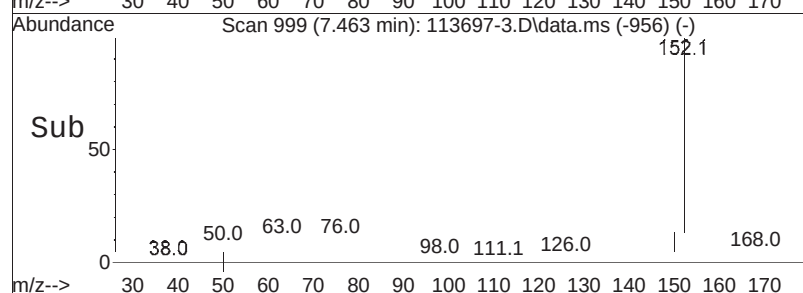
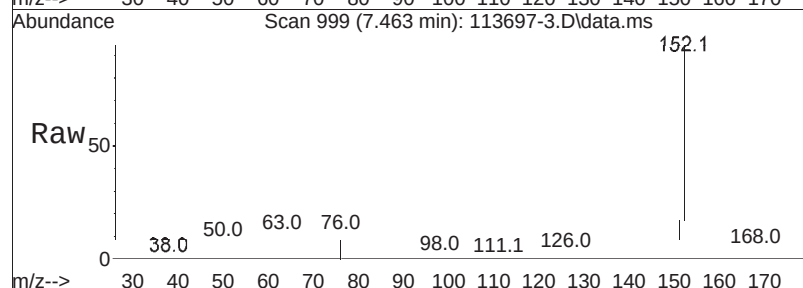
Tgt Ion:152 Resp: 36879

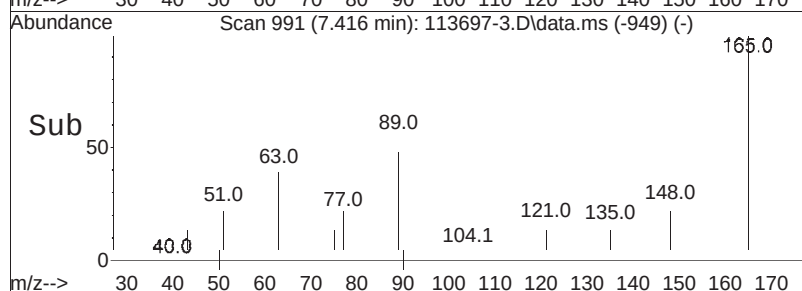
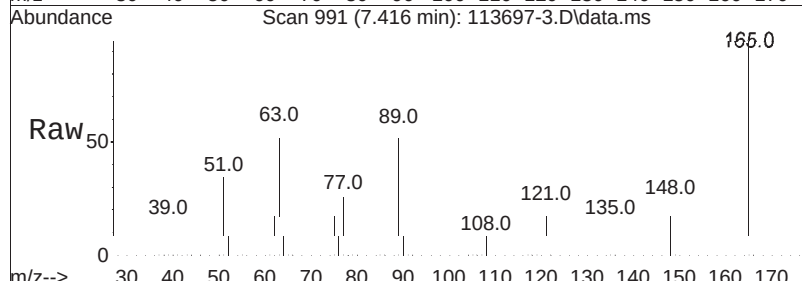
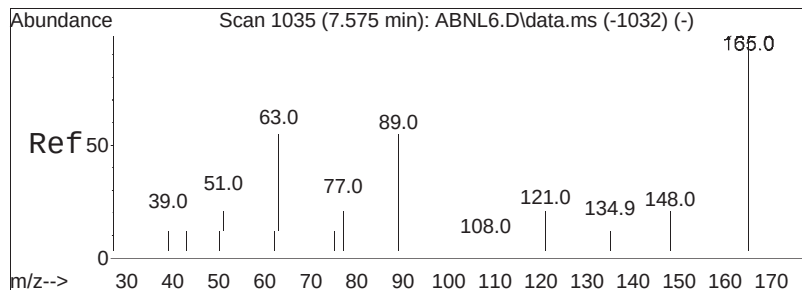
Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

153 12.7 10.5 15.7





#53

2,6-Dinitrotoluene

Concen: 1.49 ug/ml

RT: 7.416 min Scan# 991

Delta R.T. -0.006 min

Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am

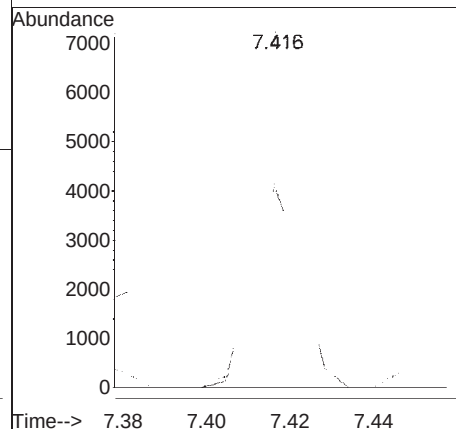
Tgt Ion: 165 Resp: 5742

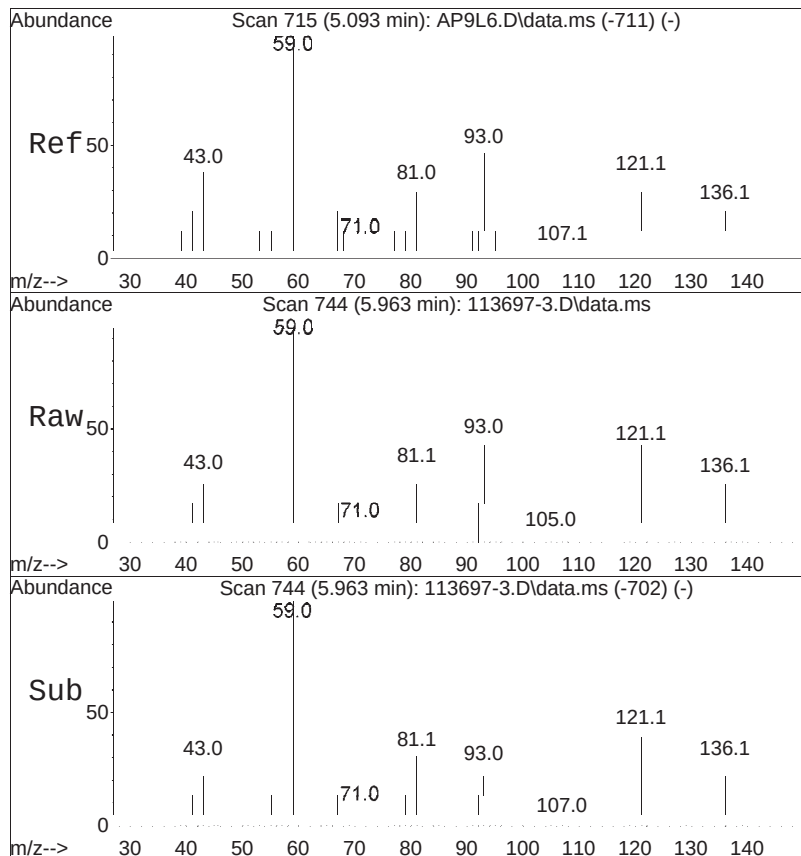
Ion Ratio Lower Upper

165 100

89 55.4 48.8 73.2

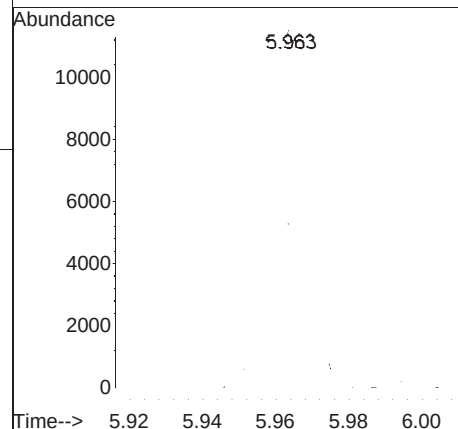
63 56.9 50.5 75.7

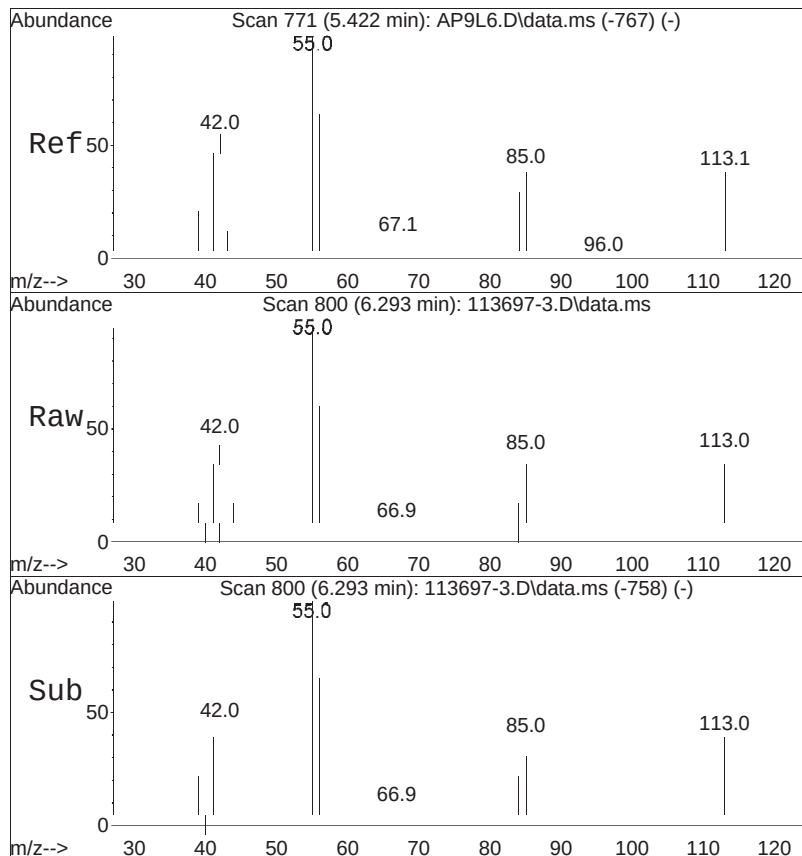




#56
a-Terpineol
Concen: 1.50 ug/ml
RT: 5.963 min Scan# 744
Delta R.T. -0.000 min
Lab File: 113697-3.D
Acq: 12 Sep 2025 04:02 am

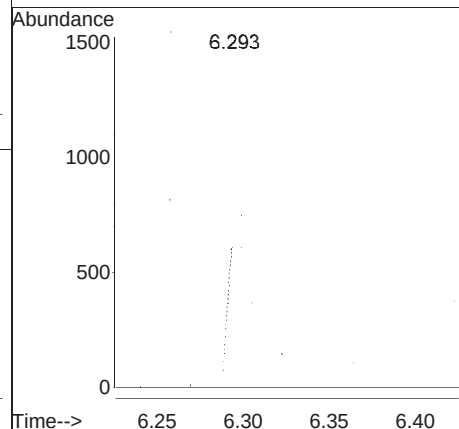
Tgt Ion	Ratio	Lower	Upper
59	100		
93	49.3	43.5	65.3

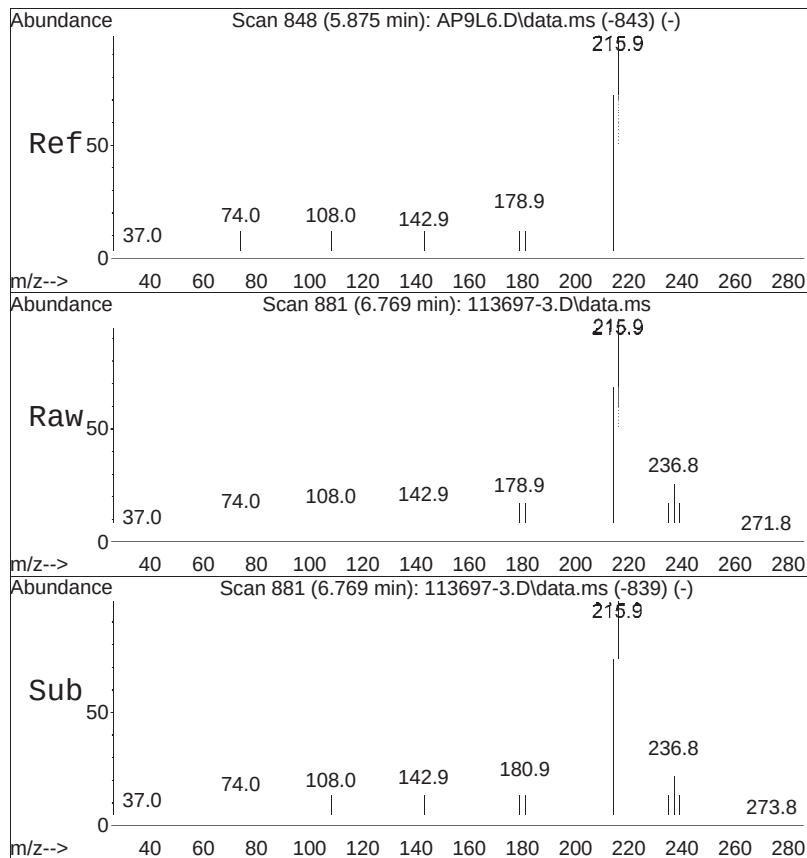




#60
 Caprolactam
 Concen: 0.62 ug/ml
 RT: 6.293 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

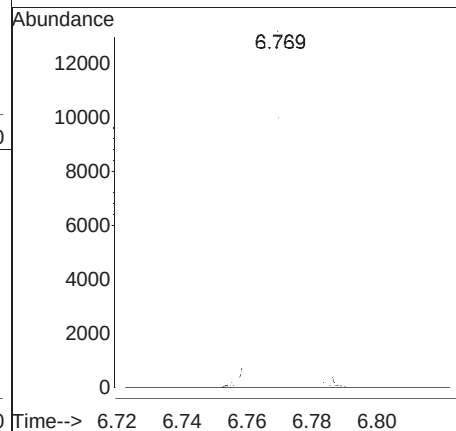
Tgt Ion	Ratio	Lower	Upper
55	100		
85	39.8	35.2	52.8
113	34.0	36.6	55.0#

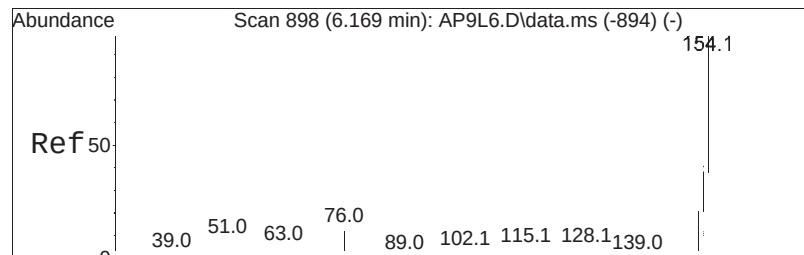




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.21 ug/ml
 RT: 6.769 min Scan# 881
 Delta R.T. -0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

Tgt Ion:	216	Resp:	10895
Ion Ratio	Lower	Upper	
216	100		
214	77.5	64.0	96.0
179	20.0	18.7	28.1





#62

Biphenyl

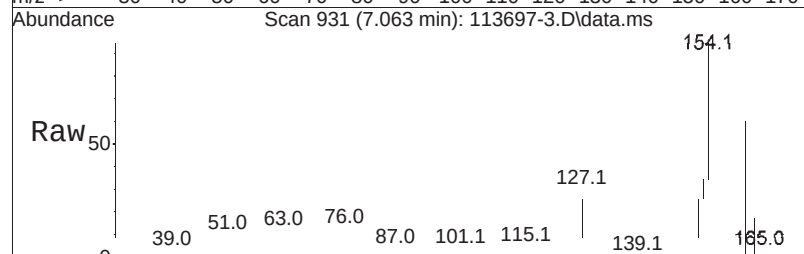
Concen: 1.35 ug/ml

RT: 7.063 min Scan# 931

Delta R.T. -0.000 min

Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am



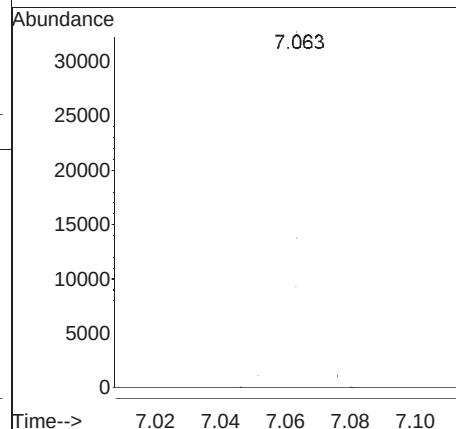
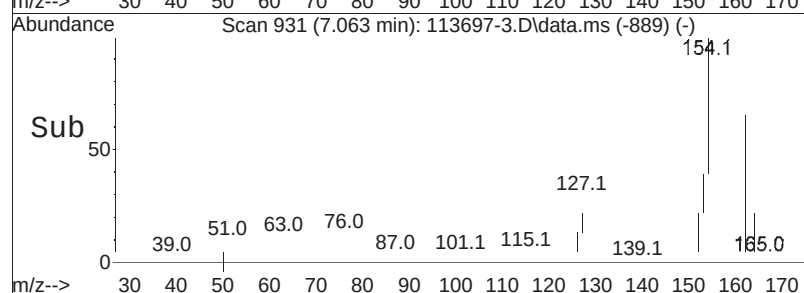
Tgt Ion:154 Resp: 26844

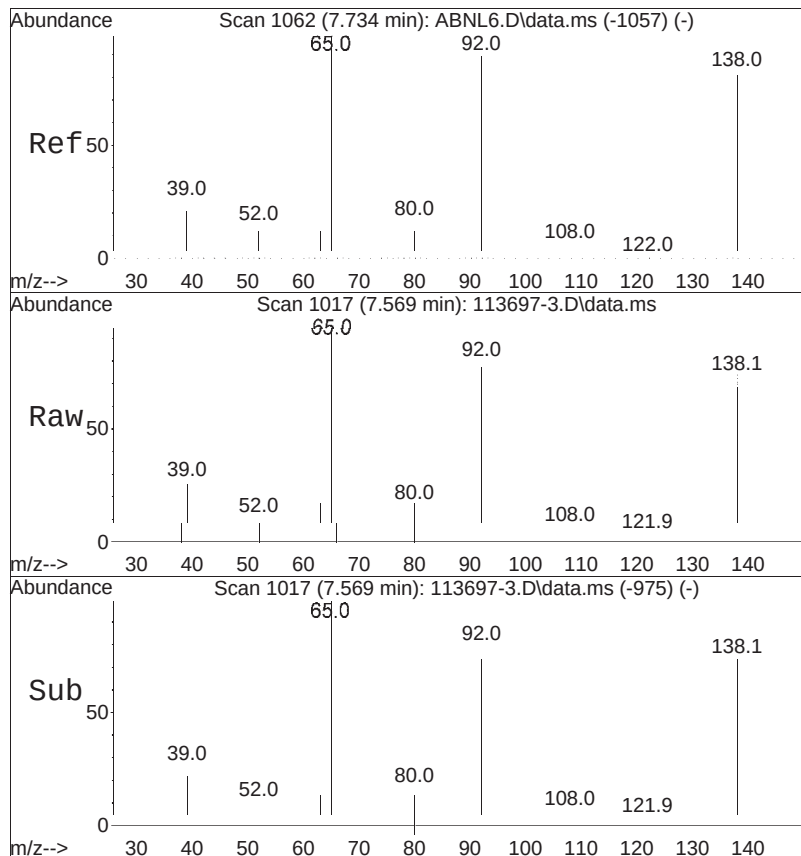
Ion Ratio Lower Upper

154 100

153 41.4 32.5 48.7

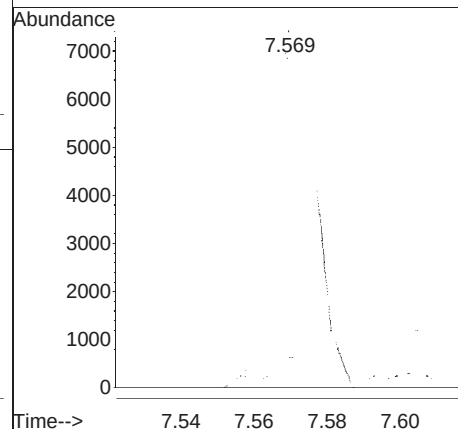
152 27.6 22.6 34.0

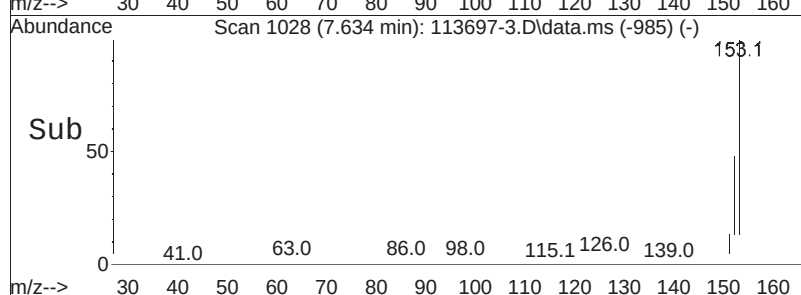
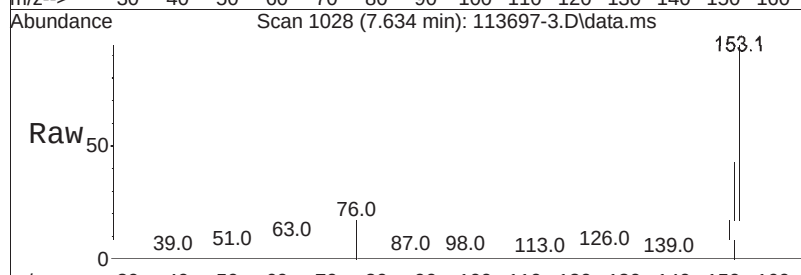
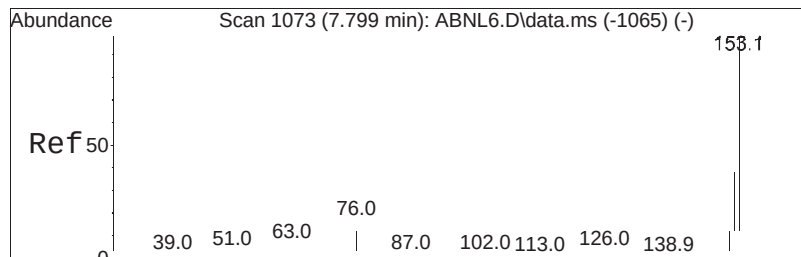




#64
 3-Nitroaniline
 Concen: 1.38 ug/ml
 RT: 7.569 min Scan# 1017
 Delta R.T. -0.006 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

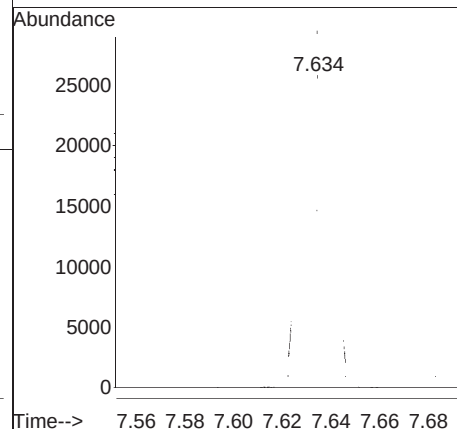
Tgt Ion:138	Resp:	5701
Ion Ratio	Lower	Upper
138 100		
92 108.6	92.8	139.2
108 8.9	7.9	11.9

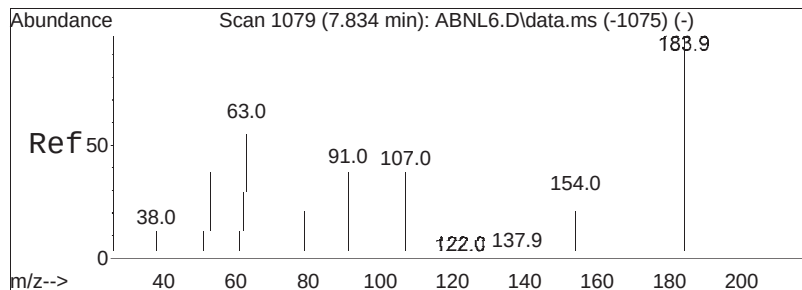




#65
 Acenaphthene
 Concen: 1.37 ug/ml
 RT: 7.634 min Scan# 1028
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

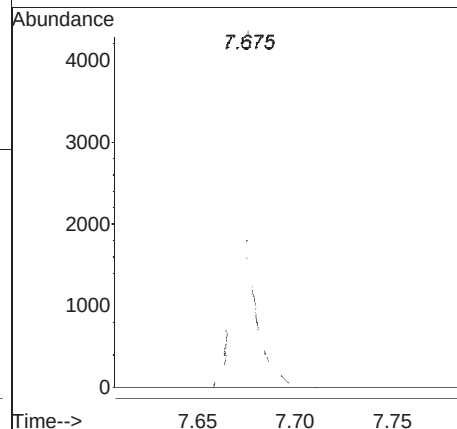
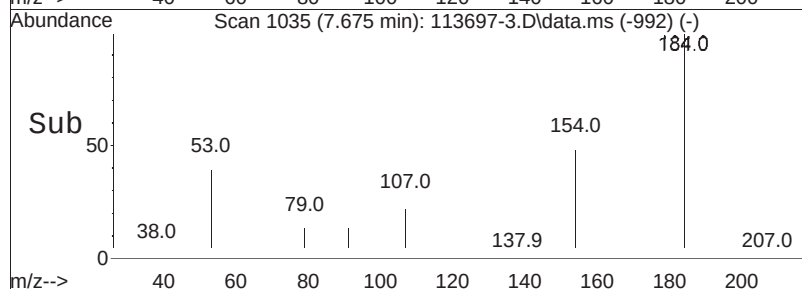
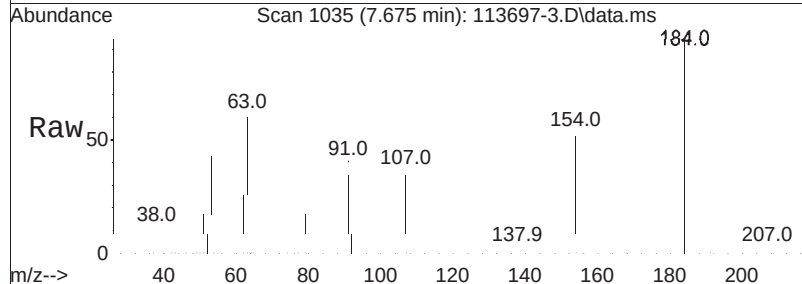
Tgt Ion:	154	Resp:	20285
Ion Ratio	Lower	Upper	
154	100		
153	115.5	93.0	139.4
152	55.9	43.3	64.9

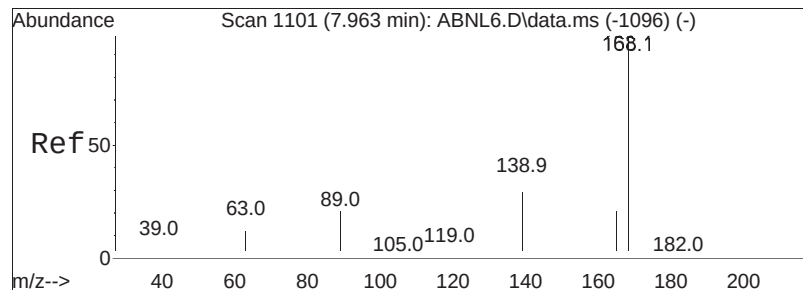




#66
 2,4-Dinitrophenol
 Concen: 2.11 ug/ml
 RT: 7.675 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

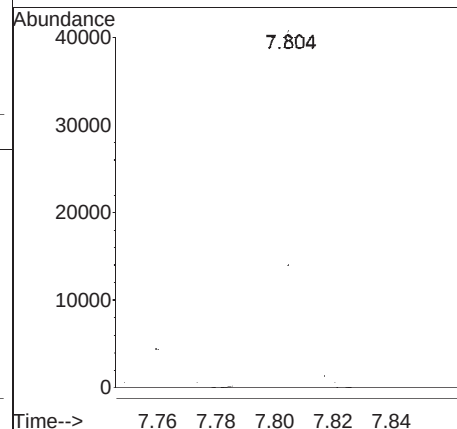
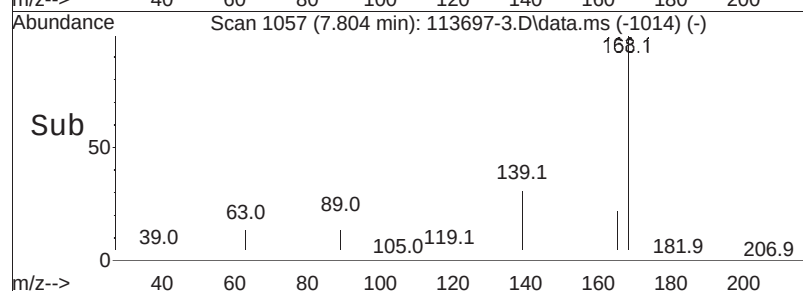
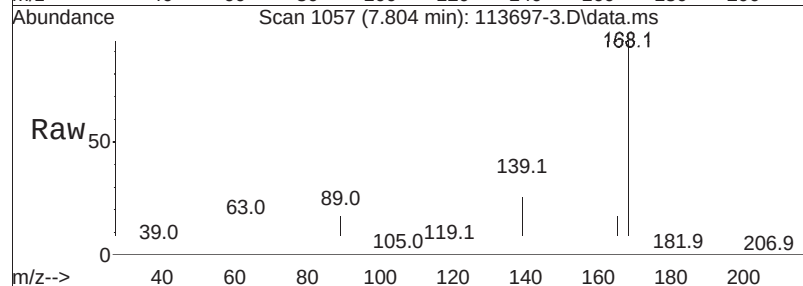
Tgt Ion	Ratio	Lower	Upper
184	100		
107	37.4	41.8	62.6#
91	41.9	44.2	66.2#

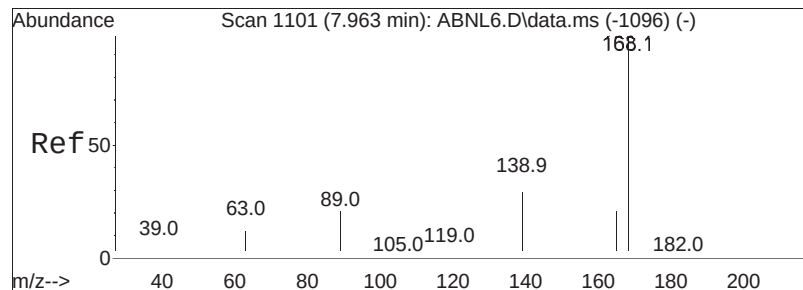




#67
 Dibenzofuran
 Concen: 1.42 ug/ml
 RT: 7.804 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

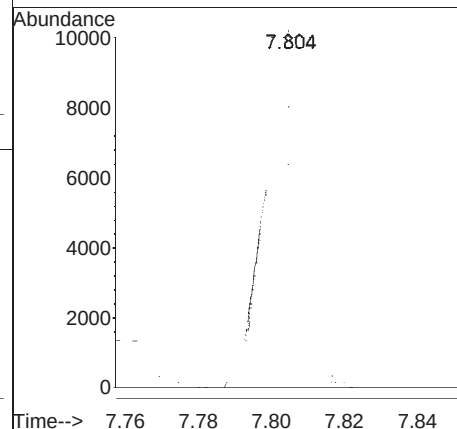
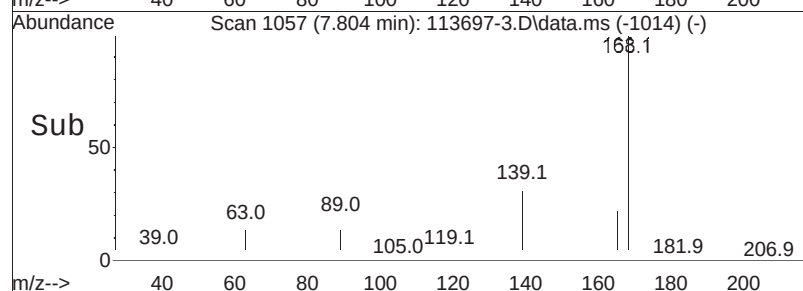
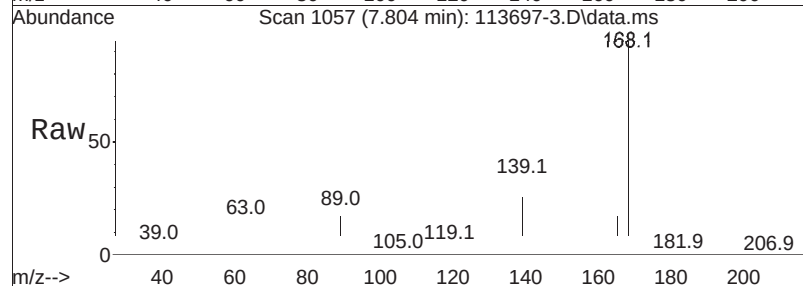
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.9	32.3	48.5

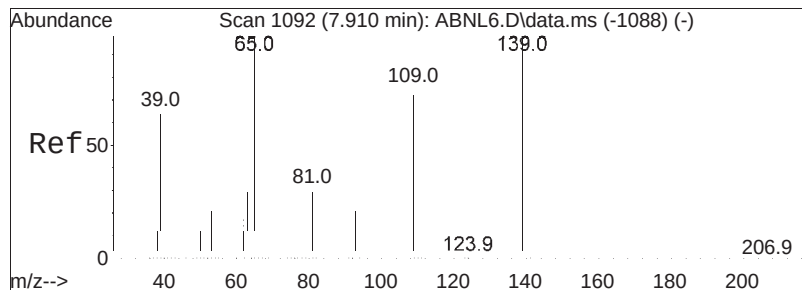




#68
 2,4-Dinitrotoluene
 Concen: 1.55 ug/ml
 RT: 7.804 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

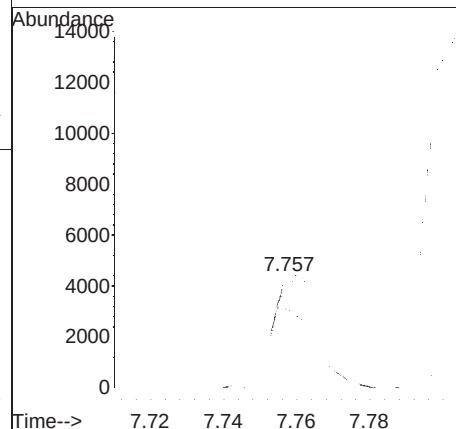
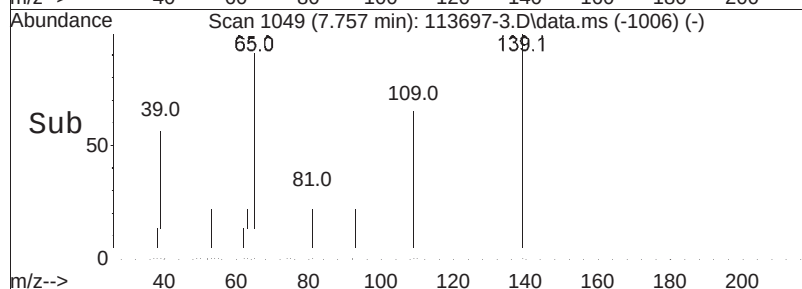
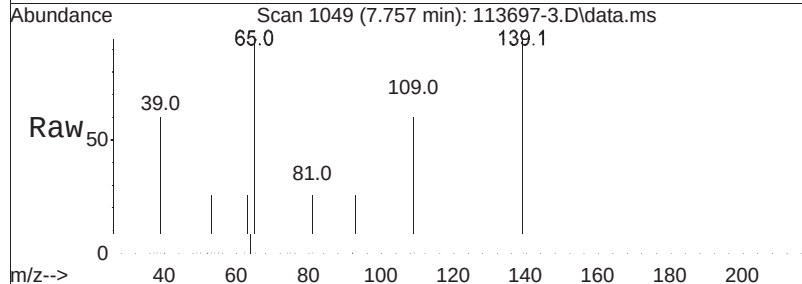
Tgt Ion	Ratio	Lower	Upper
165	100		
89	78.3	73.0	109.4
63	67.5	56.3	84.5

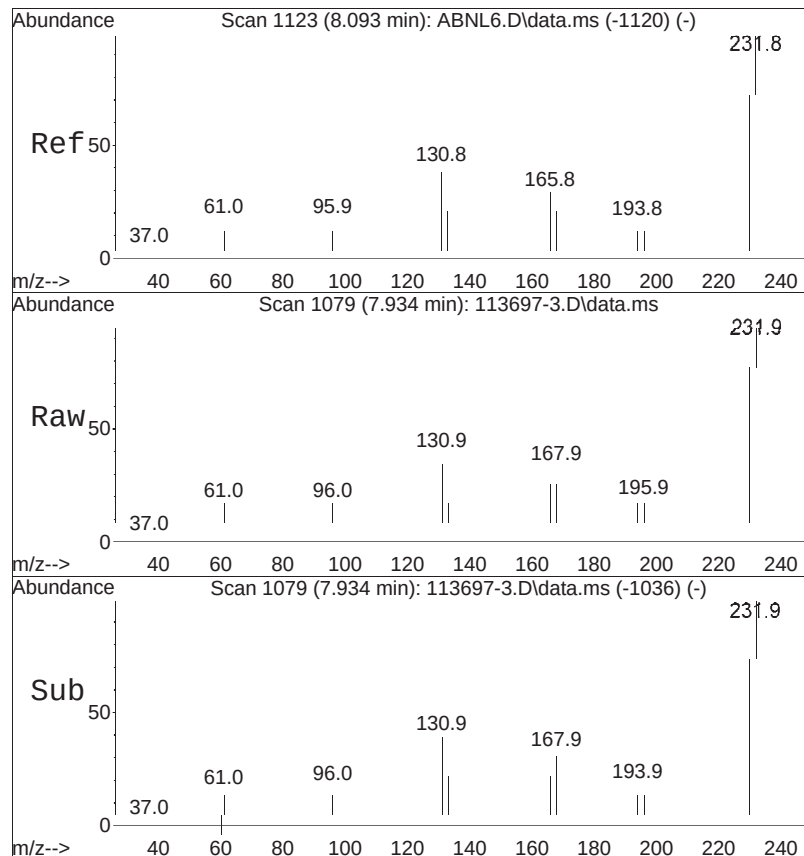




#69
 4-Nitrophenol
 Concen: 1.14 ug/ml
 RT: 7.757 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

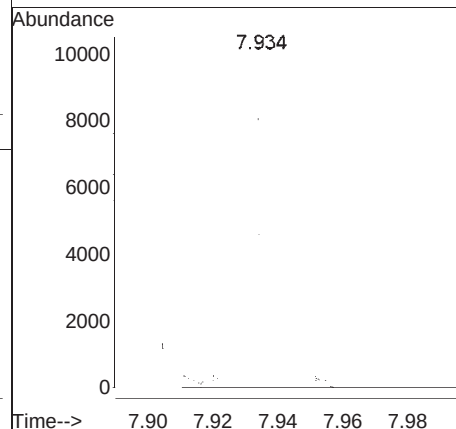
Tgt Ion:	65	Resp:	3731
Ion Ratio	Lower	Upper	
65	100		
109	71.0	60.2	90.2
139	108.7	81.1	121.7

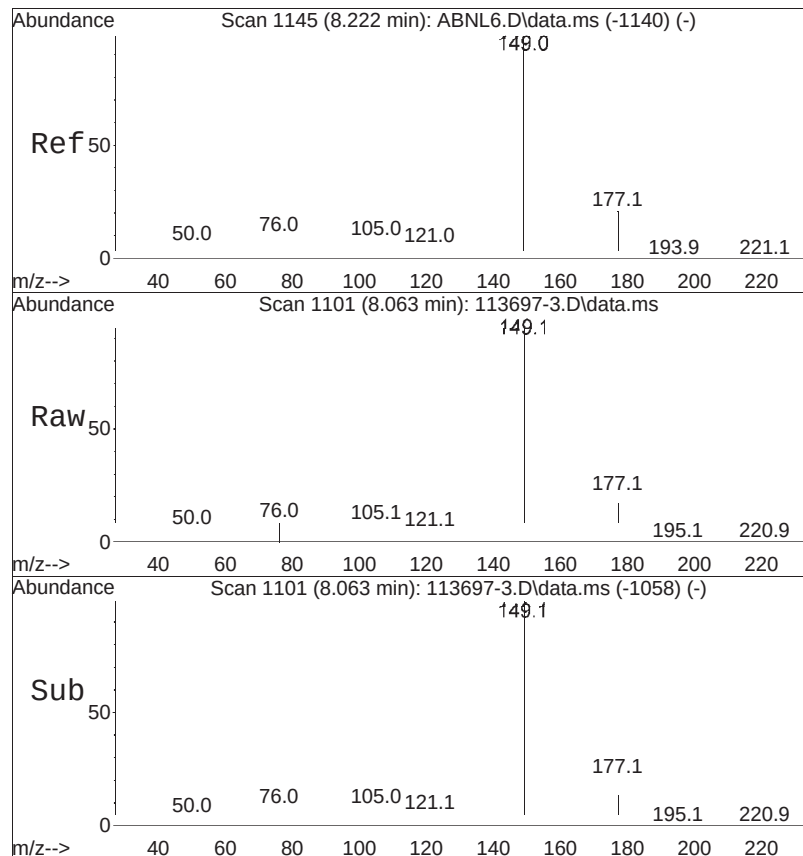




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 1.50 ug/ml
 RT: 7.934 min Scan# 1079
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

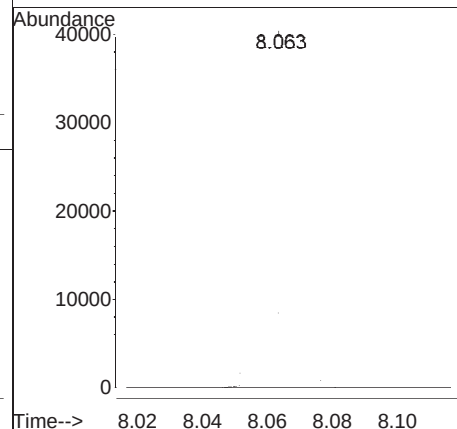
Tgt Ion	Ratio	Lower	Upper
232	100		
230	76.8	63.8	95.8
234	47.0	39.0	58.6

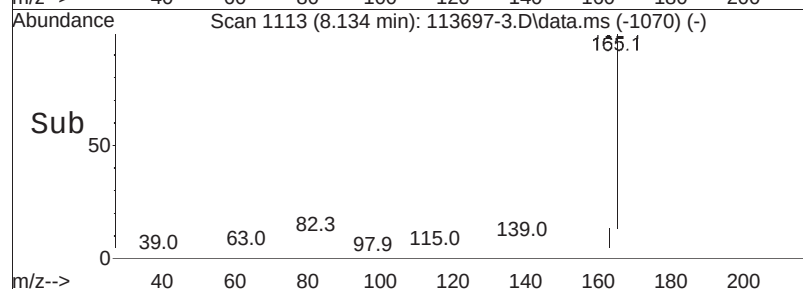
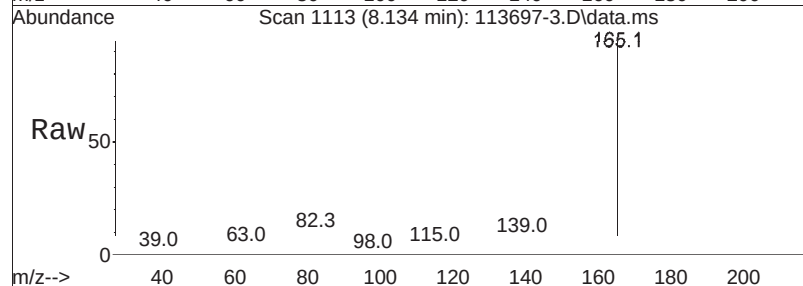
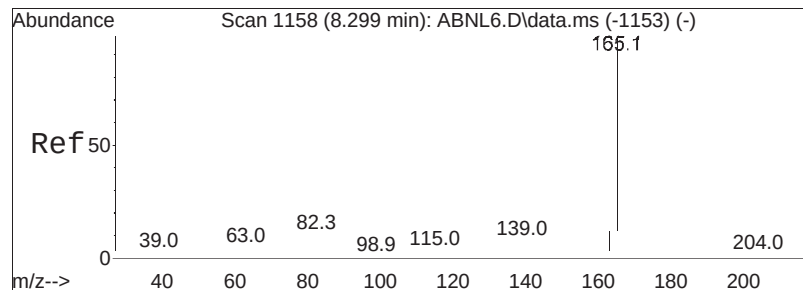




#72
 Diethyl phthalate
 Concen: 1.47 ug/ml
 RT: 8.063 min Scan# 1101
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	15.0	22.6
150	12.6	9.8	14.6





#73

Fluorene

Concen: 1.42 ug/ml

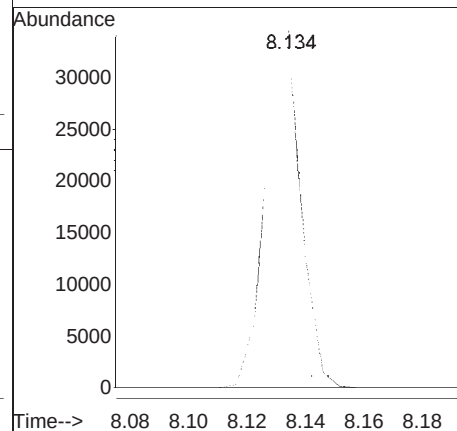
RT: 8.134 min Scan# 1113

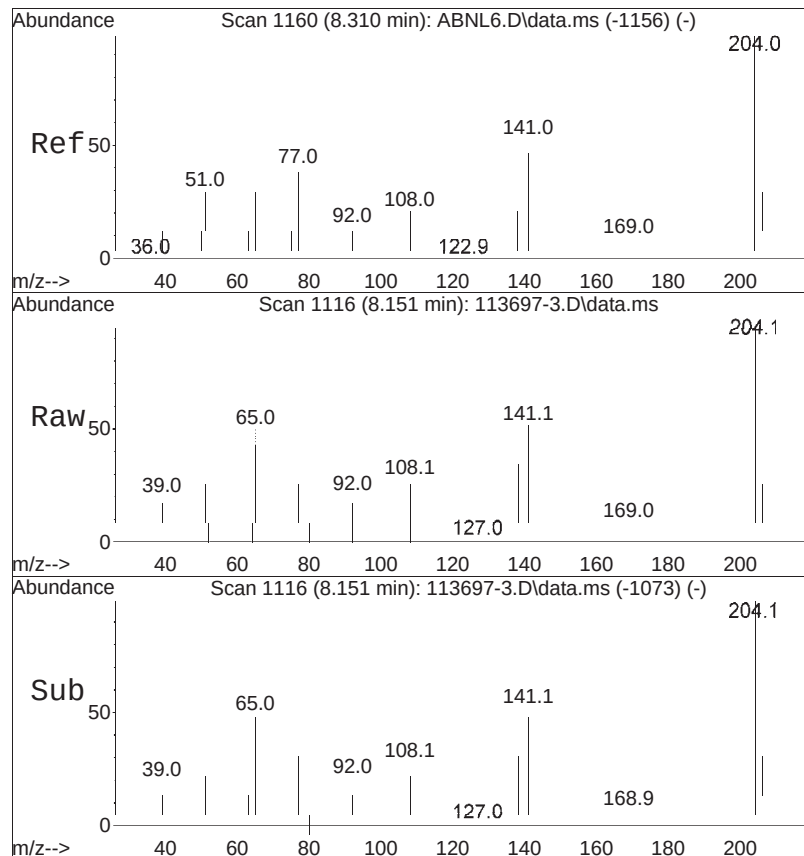
Delta R.T. 0.000 min

Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am

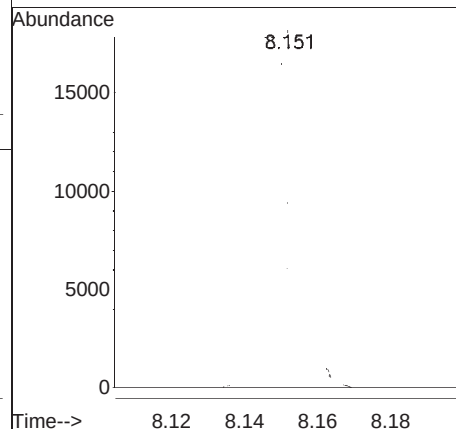
Tgt Ion:	166	Resp:	28316
Ion Ratio	Lower	Upper	
166	100		
165	103.9	80.0	120.0
167	14.0	10.7	16.1

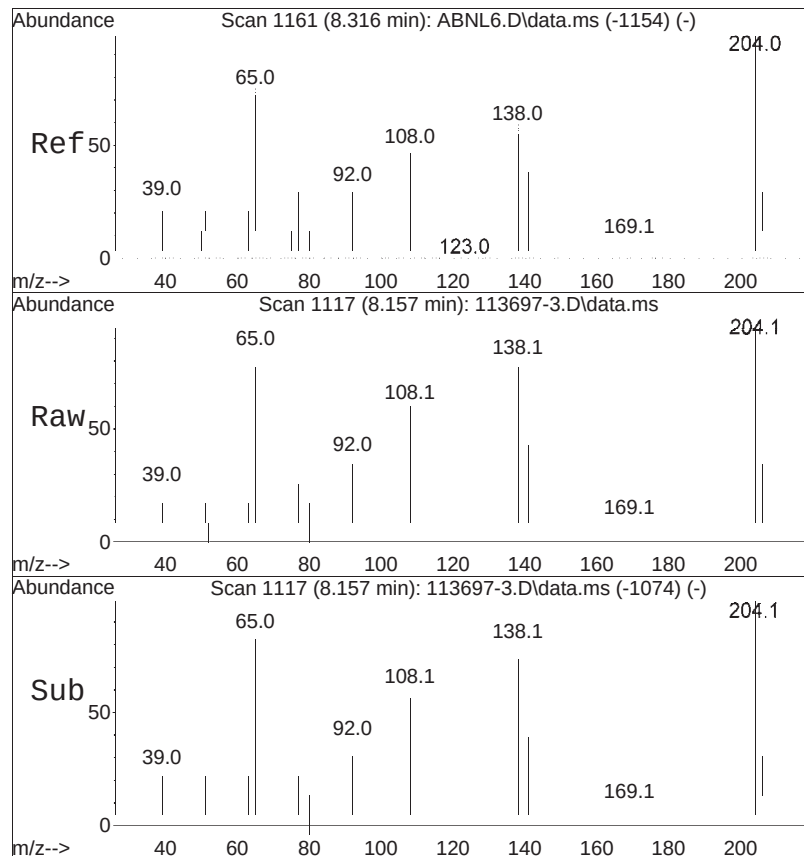




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.35 ug/ml
 RT: 8.151 min Scan# 1116
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

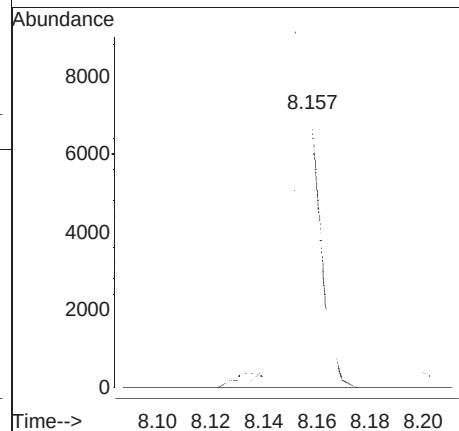
Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.3	39.5
141	53.8	58.4	87.6#

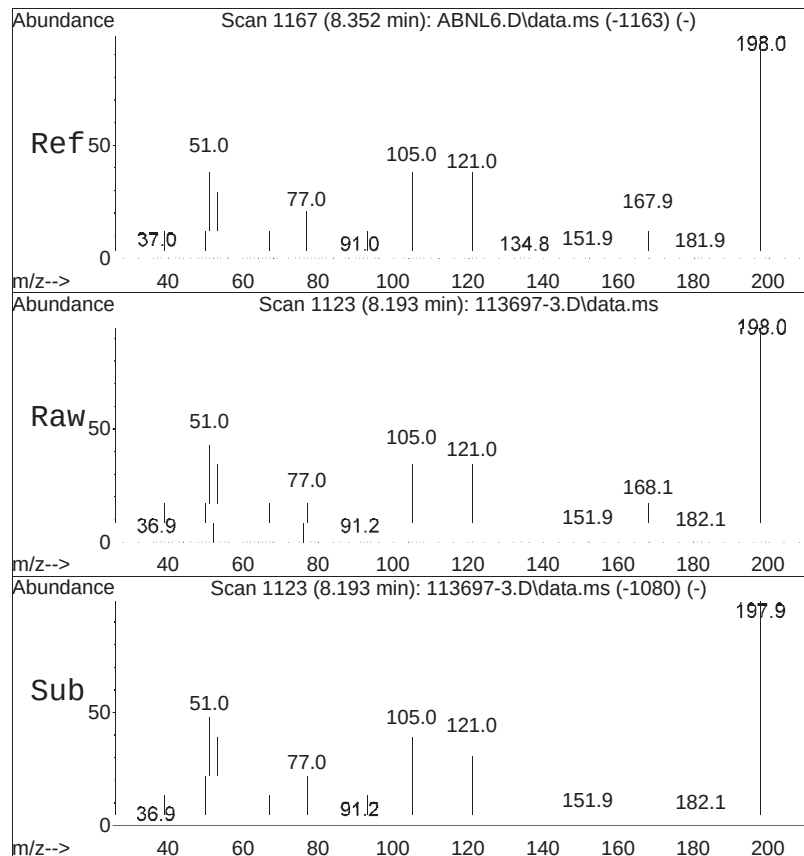




#75
 4-Nitroaniline
 Concen: 1.54 ug/ml
 RT: 8.157 min Scan# 1117
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

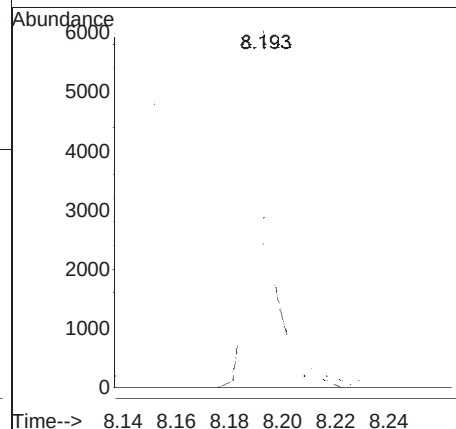
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	6509		
108	73.4		59.2	88.8
65	123.7		97.6	146.4

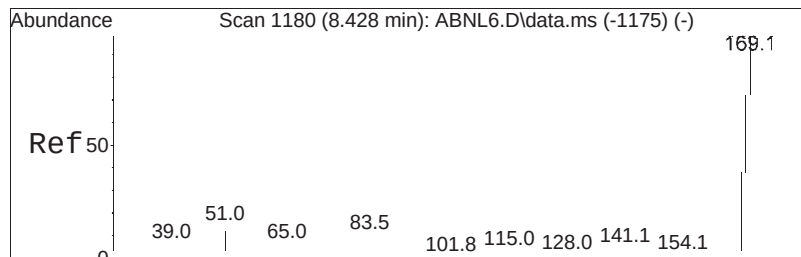




#76
 4,6-Dinitro-o-cresol
 Concen: 1.79 ug/ml
 RT: 8.193 min Scan# 1123
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

Tgt Ion:	198	Resp:	5024
Ion Ratio	Lower	Upper	
198	100		
51	48.7	49.9	74.9#
105	40.5	45.8	68.6#





#77

NDPA/DPA

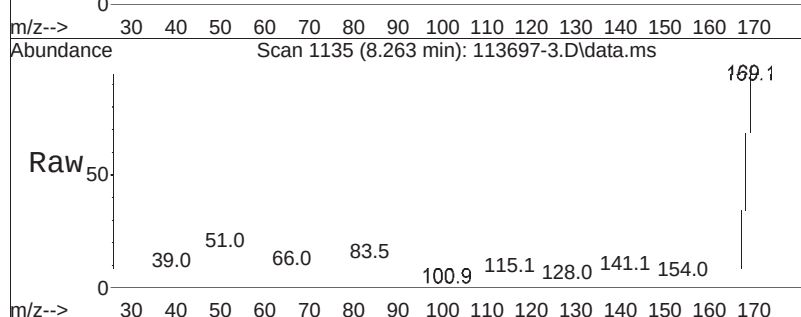
Concen: 1.43 ug/ml

RT: 8.263 min Scan# 1135

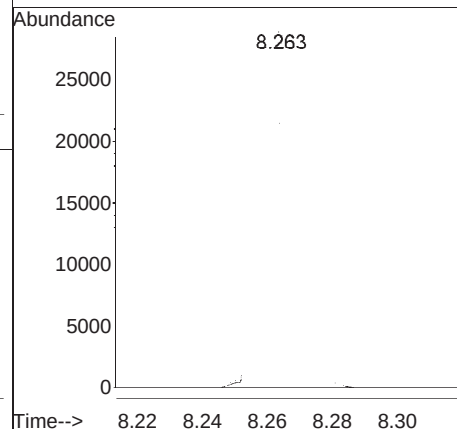
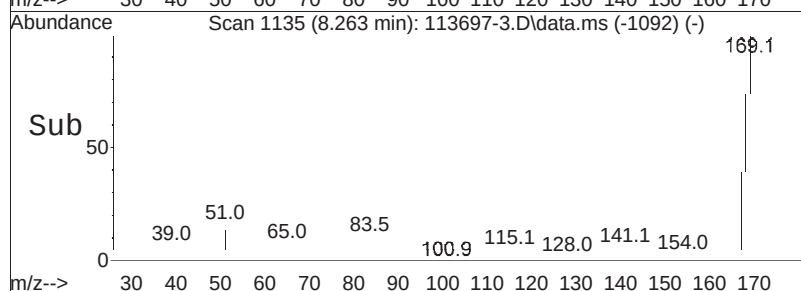
Delta R.T. 0.000 min

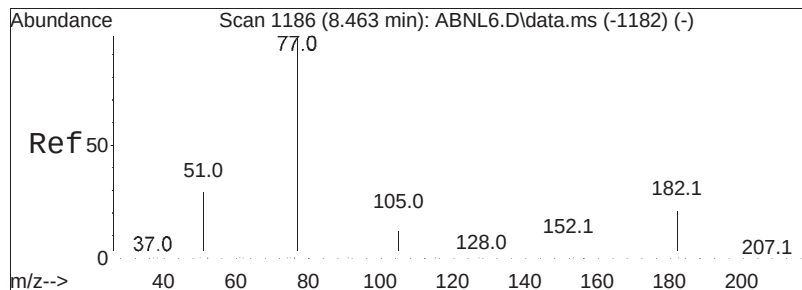
Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am



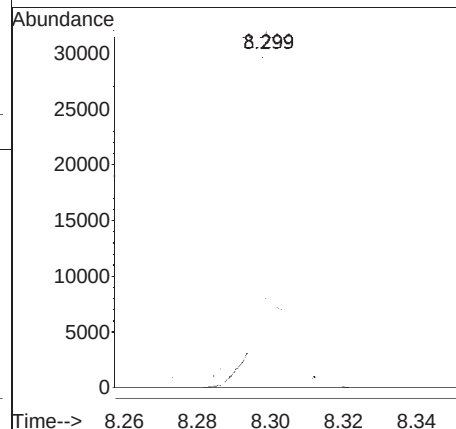
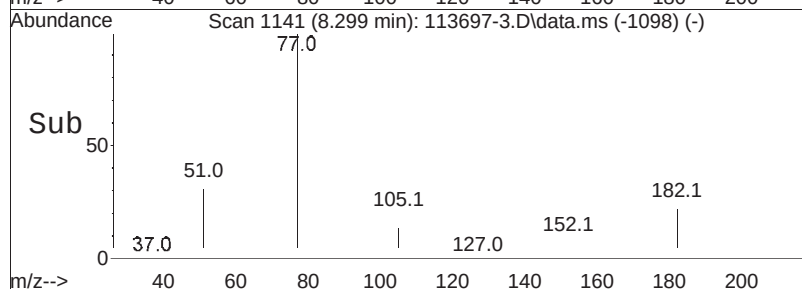
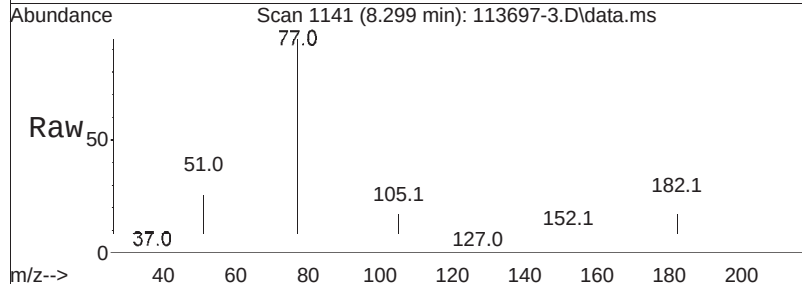
Tgt Ion:	169	Resp:	23841
Ion Ratio	Lower	Upper	
169	100		
168	75.3	55.2	82.8
167	41.6	30.4	45.6

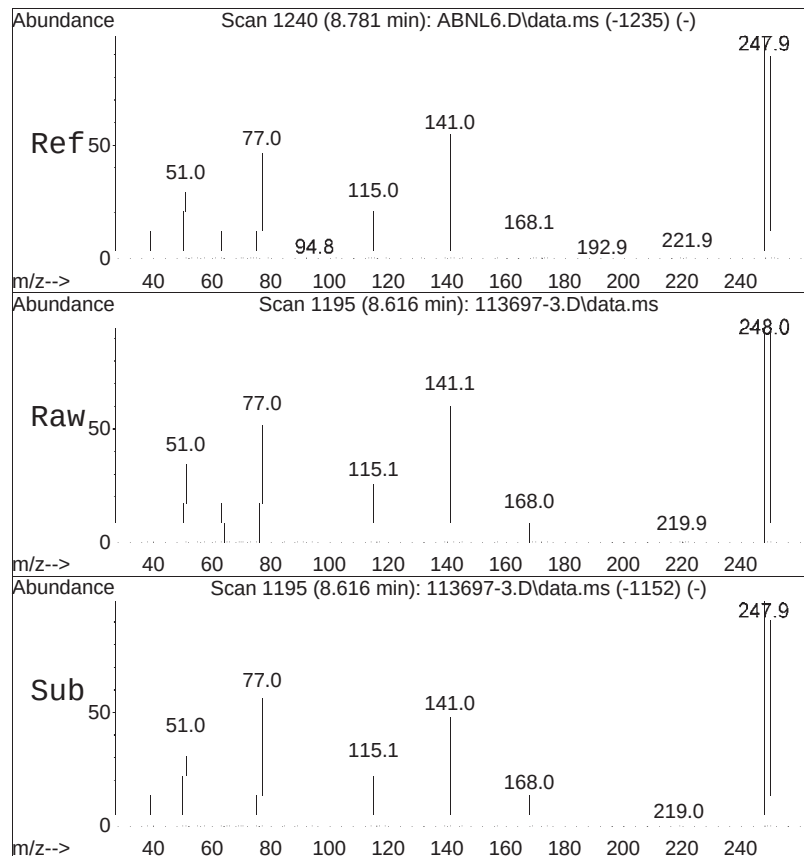




#78
 Azobenzene
 Concen: 1.38 ug/ml
 RT: 8.299 min Scan# 1141
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

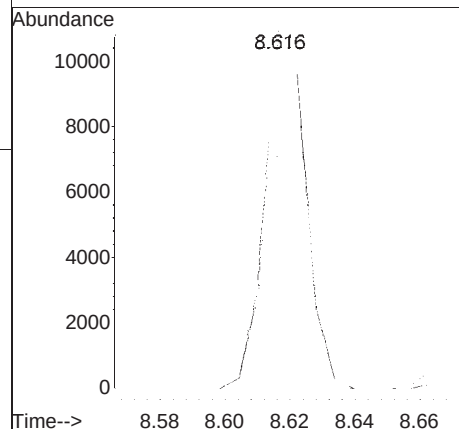
Tgt Ion	Ratio	Resp	Lower	Upper
77	100	25379		
182	25.9		16.2	24.2#
105	21.1		17.9	26.9

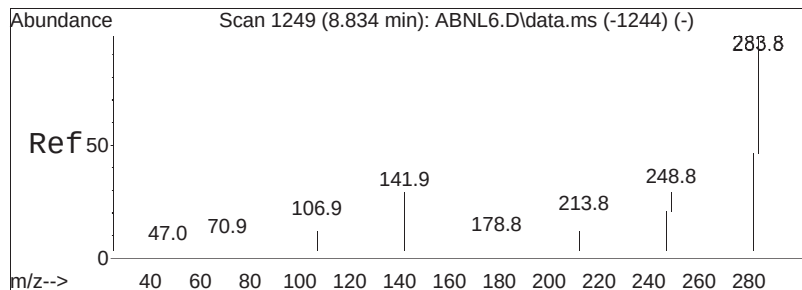




#80
 4-Bromophenyl phenyl ether
 Concen: 1.39 ug/ml
 RT: 8.616 min Scan# 1195
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

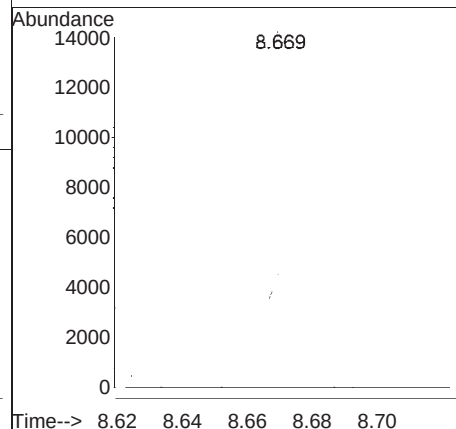
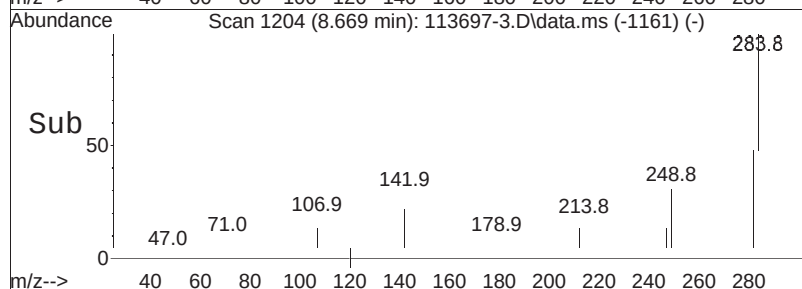
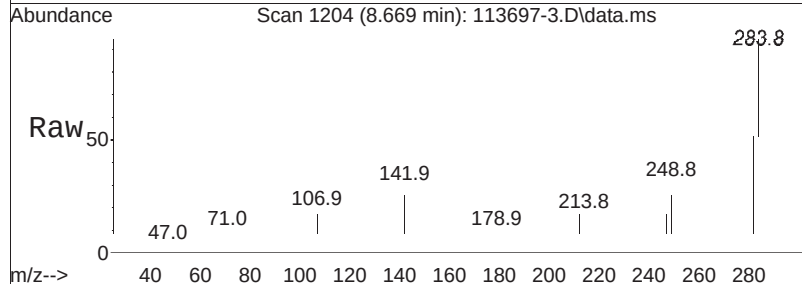
Tgt Ion	Ratio	Lower	Upper
248	100		
141	61.7	74.6	111.8#
250	97.3	76.9	115.3

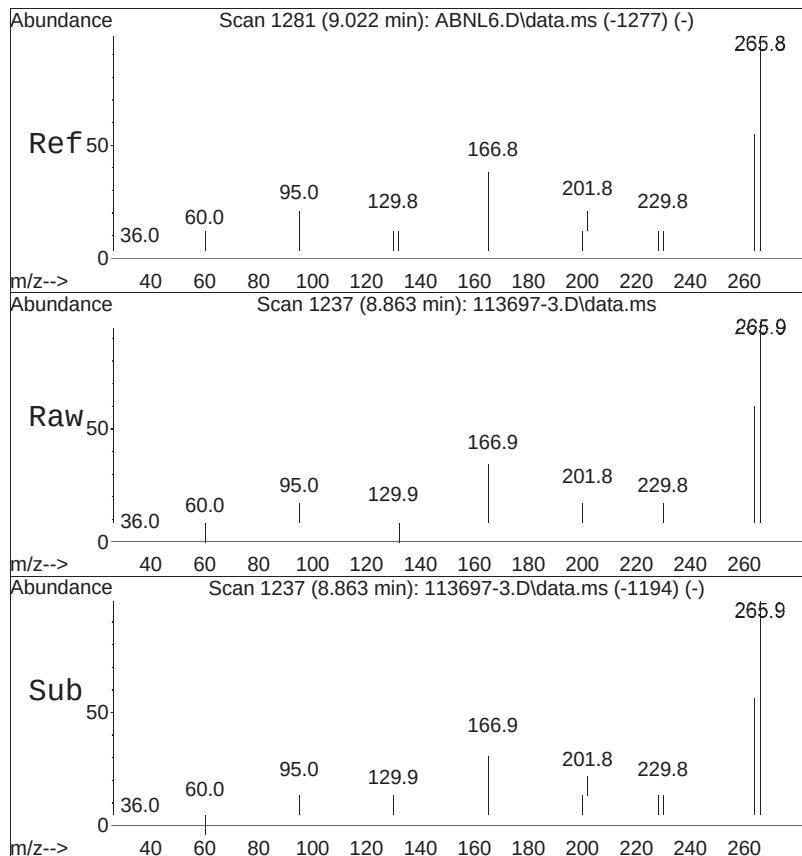




#81
 Hexachlorobenzene
 Concen: 1.42 ug/ml
 RT: 8.669 min Scan# 1204
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

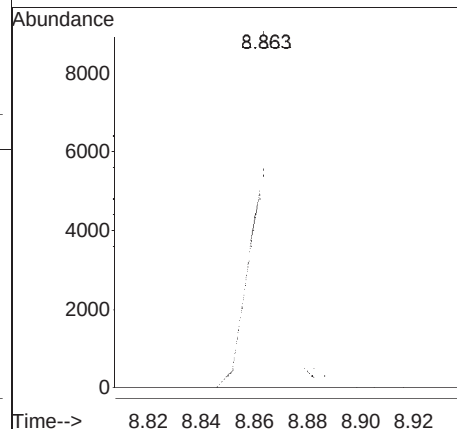
Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.8	37.6	56.4#
249	32.0	25.4	38.2

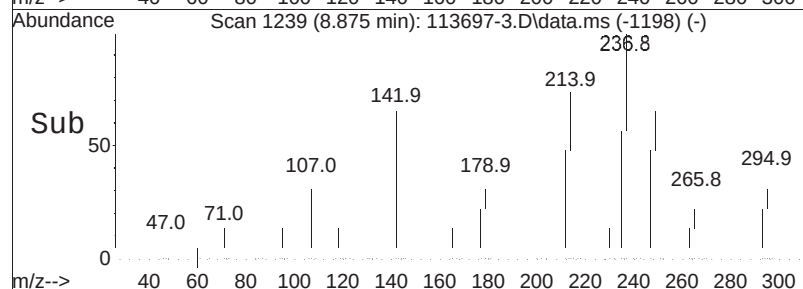
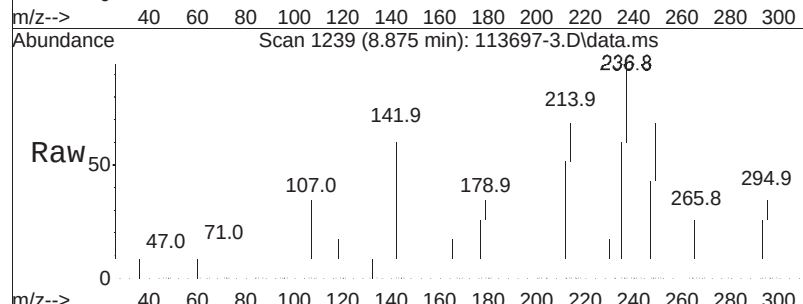
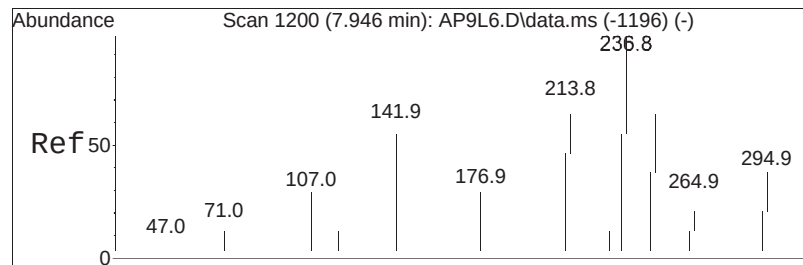




#82
 Pentachlorophenol
 Concen: 2.02 ug/ml
 RT: 8.863 min Scan# 1237
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

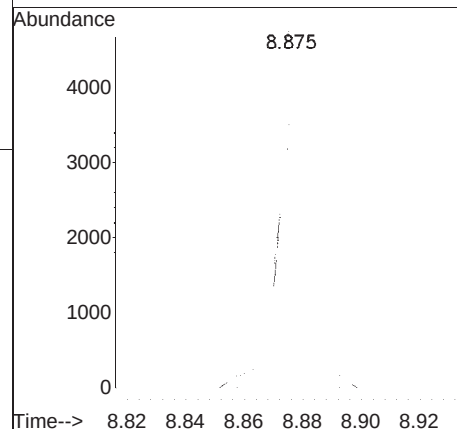
Tgt Ion:	266	Resp:	7781
Ion Ratio	Lower	Upper	
266	100		
264	58.3	50.7	76.1
268	61.8	52.5	78.7

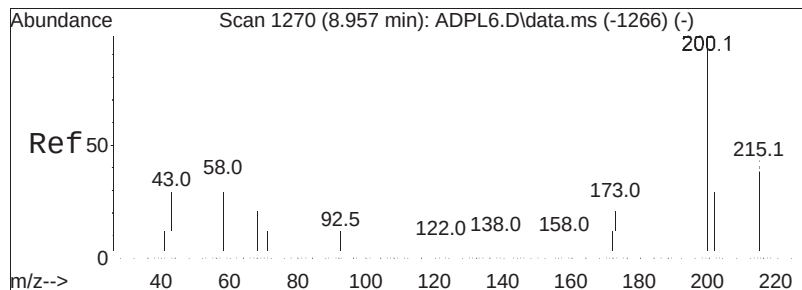




#85
 Pentachloronitrobenzene
 Concen: 1.64 ug/ml
 RT: 8.875 min Scan# 1239
 Delta R.T. -0.006 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	4516		
142	61.8		70.3	105.5#
214	70.3		59.4	89.2





#87

Atrazine

Concen: 1.62 ug/ml

RT: 8.798 min Scan# 1226

Delta R.T. 0.000 min

Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am

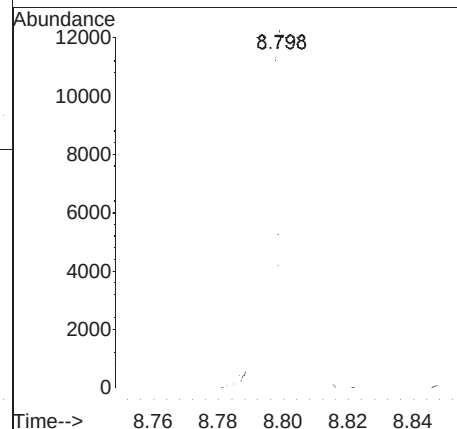
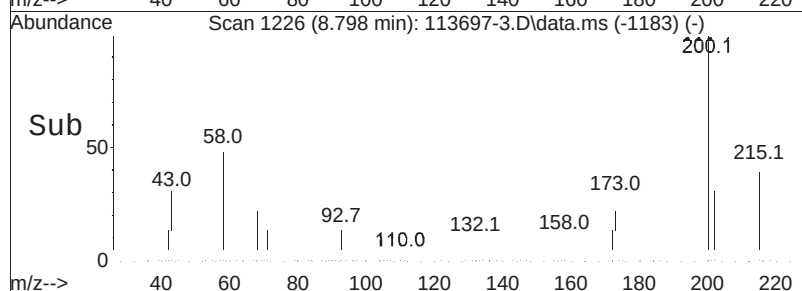
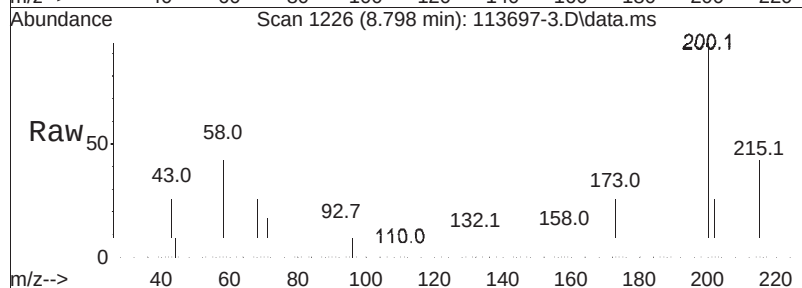
Tgt Ion: 200 Resp: 10059

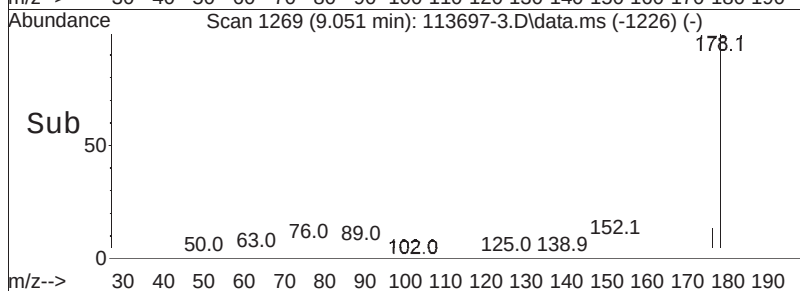
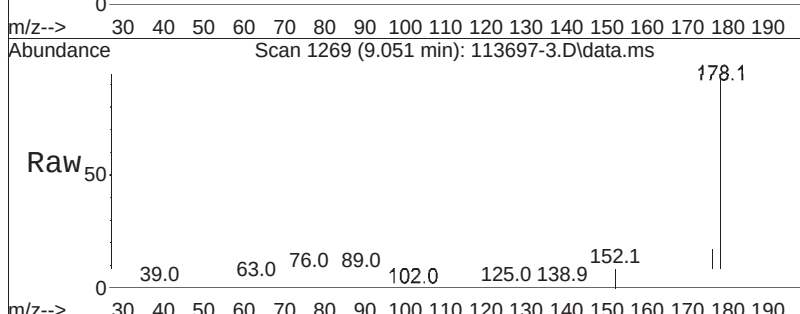
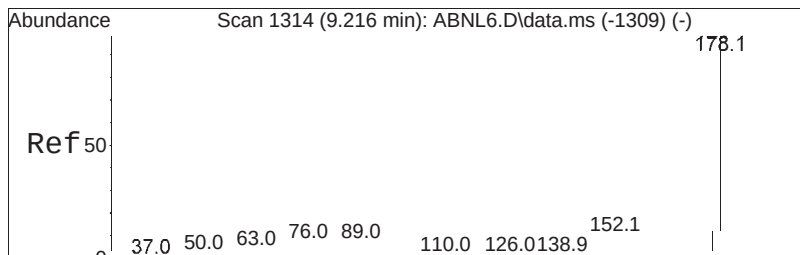
Ion Ratio Lower Upper

200 100

202 33.1 25.0 37.6

215 41.2 34.5 51.7





#89

Phenanthrene

Concen: 1.45 ug/ml

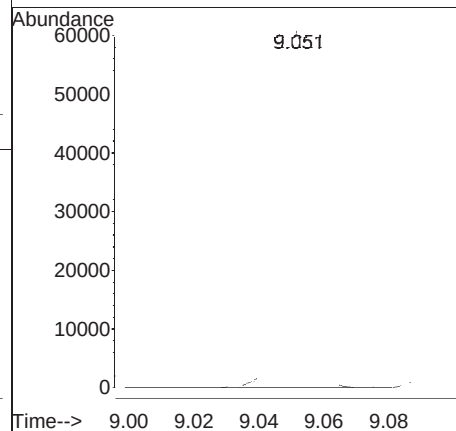
RT: 9.051 min Scan# 1269

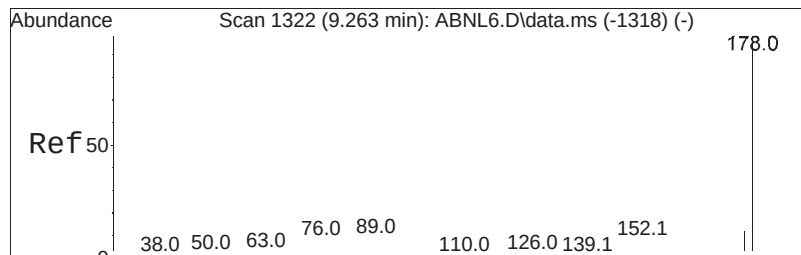
Delta R.T. 0.000 min

Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am

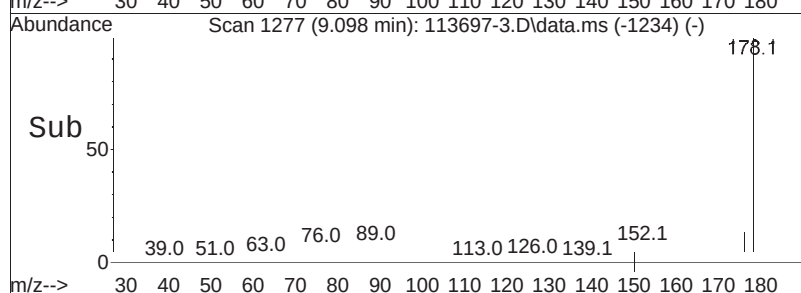
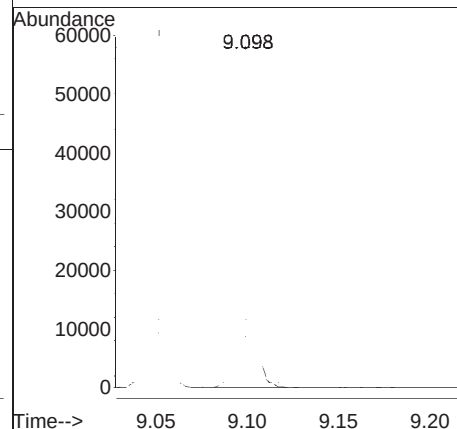
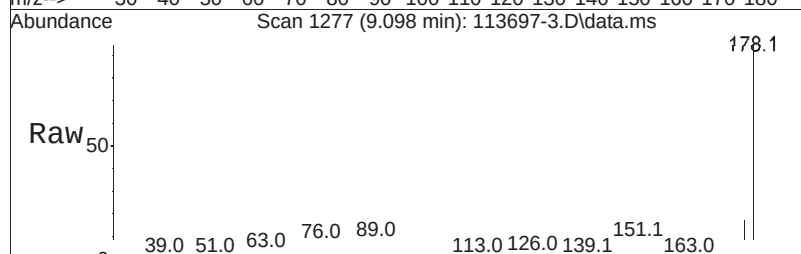
Tgt Ion:	178	Resp:	48551
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.3	18.5
176	19.2	15.4	23.2

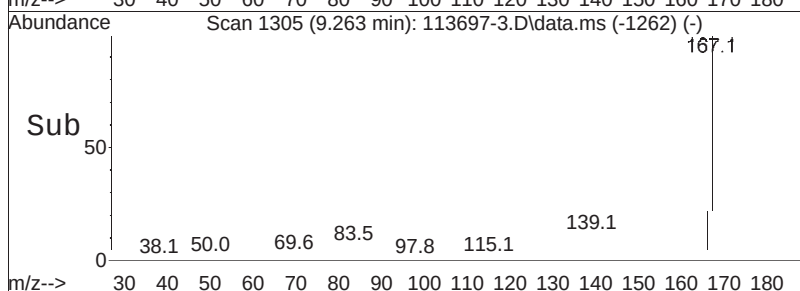
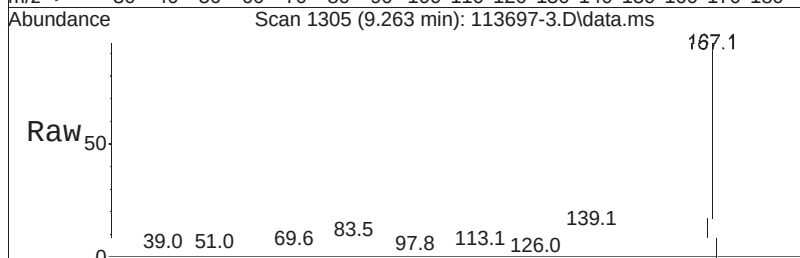
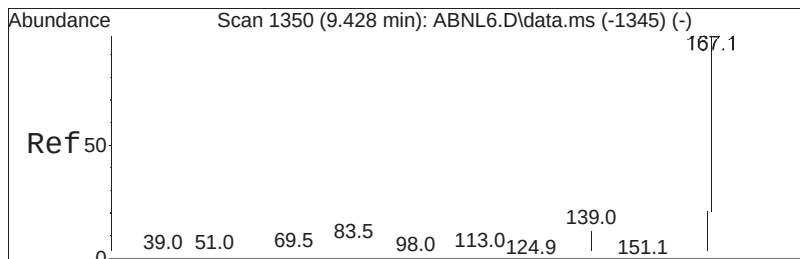




#90
 Anthracene
 Concen: 1.44 ug/ml
 RT: 9.098 min Scan# 1277
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

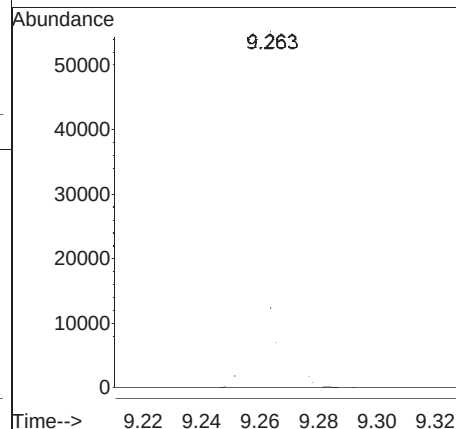
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	19.5	15.1	22.7

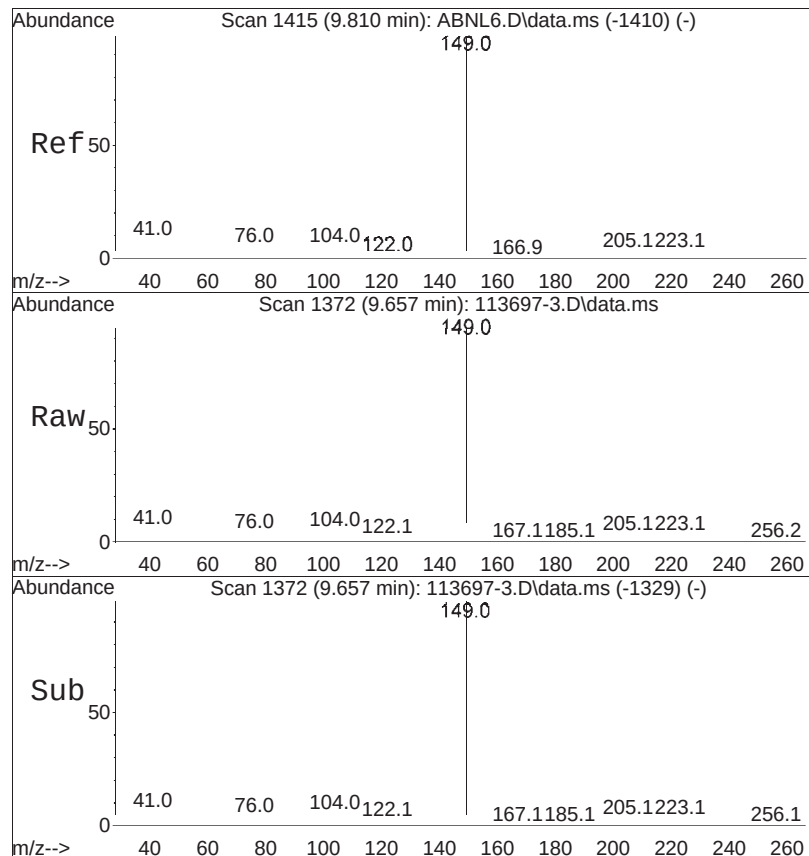




#91
 Carbazole
 Concen: 1.56 ug/ml
 RT: 9.263 min Scan# 1305
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

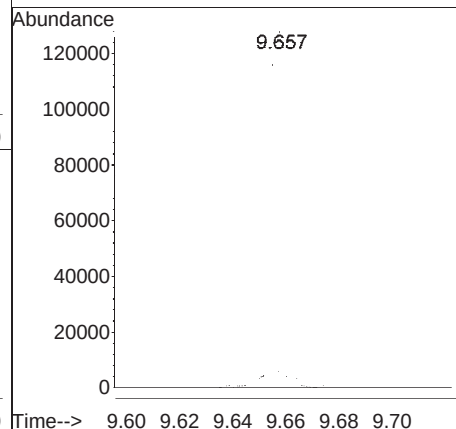
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.8	16.2
166	22.3	17.7	26.5

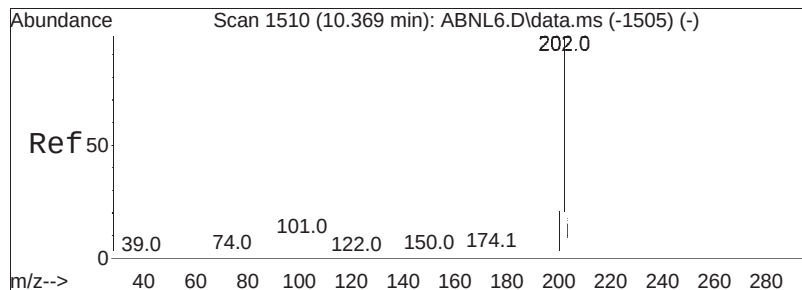




#92
 Di-n-butylphthalate
 Concen: 2.95 ug/ml
 RT: 9.657 min Scan# 1372
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

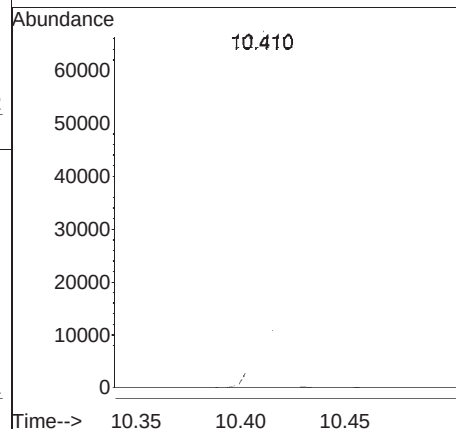
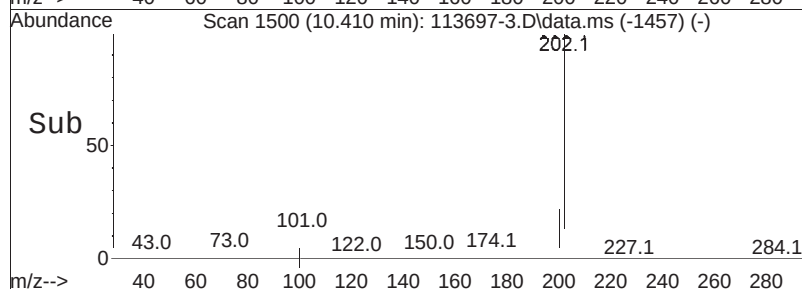
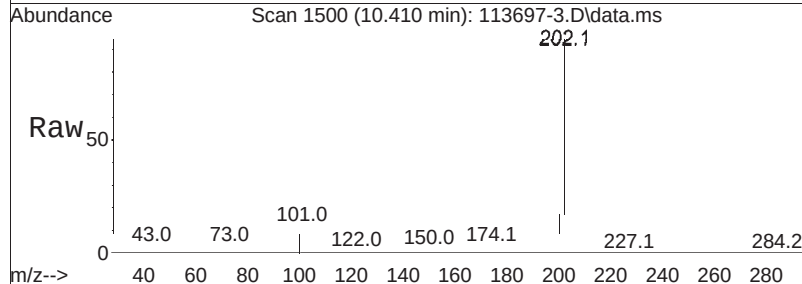
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	104473		
150	9.1		7.3	10.9
104	4.5		4.0	6.0

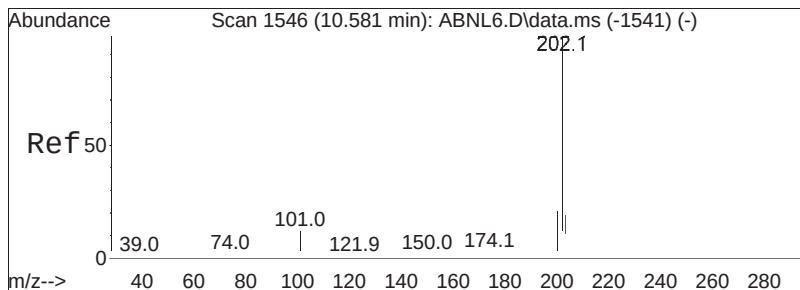




#93
 Fluoranthene
 Concen: 1.53 ug/ml
 RT: 10.410 min Scan# 1500
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

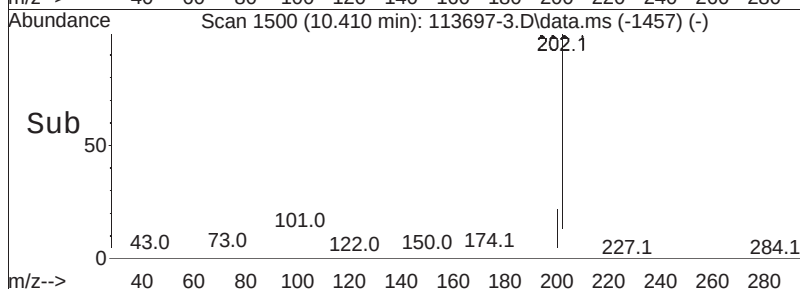
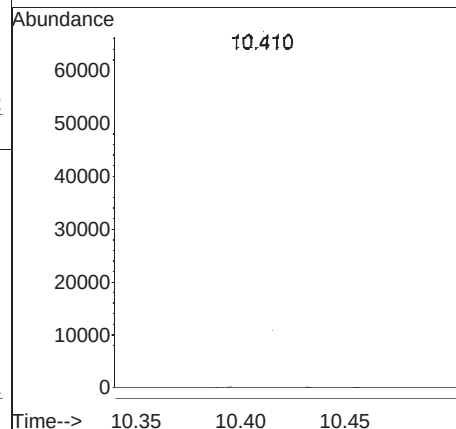
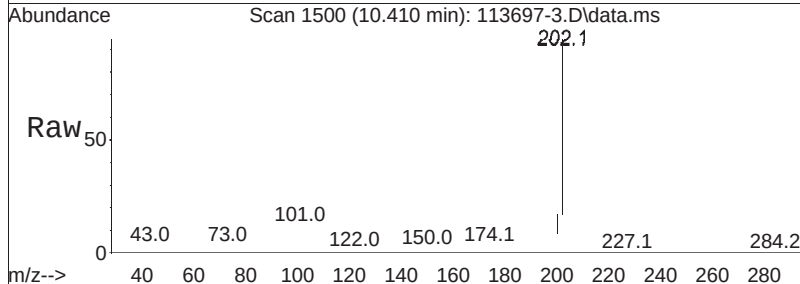
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	11.2	16.8
203	17.8	13.7	20.5

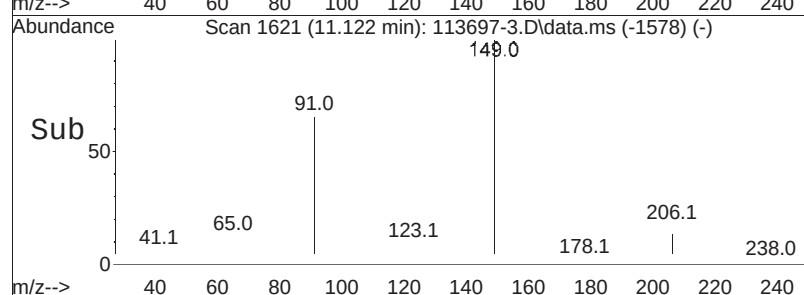
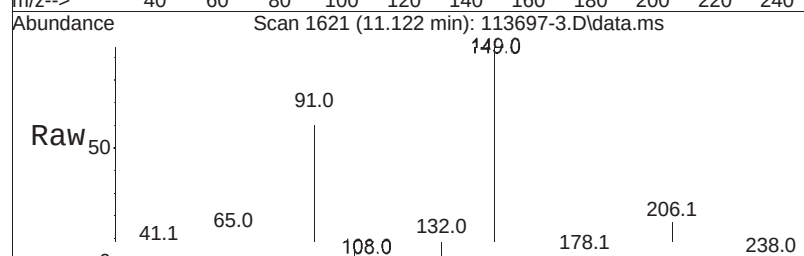
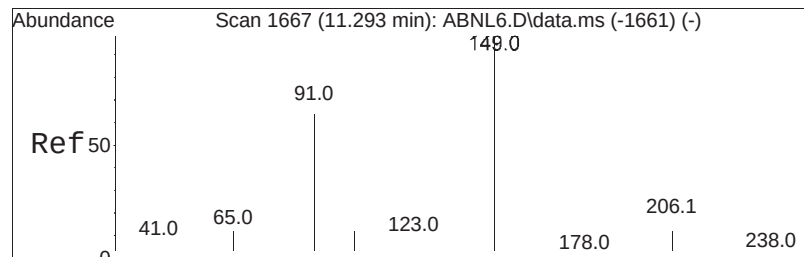




#95
 Pyrene
 Concen: 1.49 ug/ml
 RT: 10.410 min Scan# 1500
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

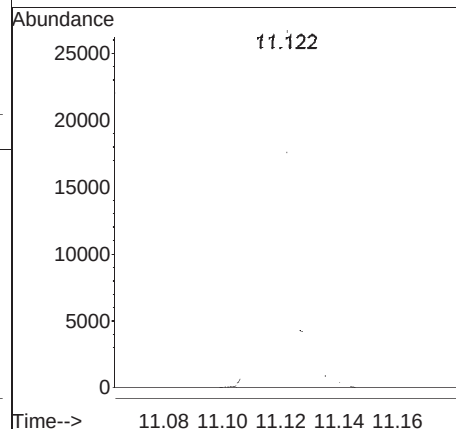
Tgt Ion:	202	Resp:	62043
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.9	25.3
203	17.8	14.3	21.5

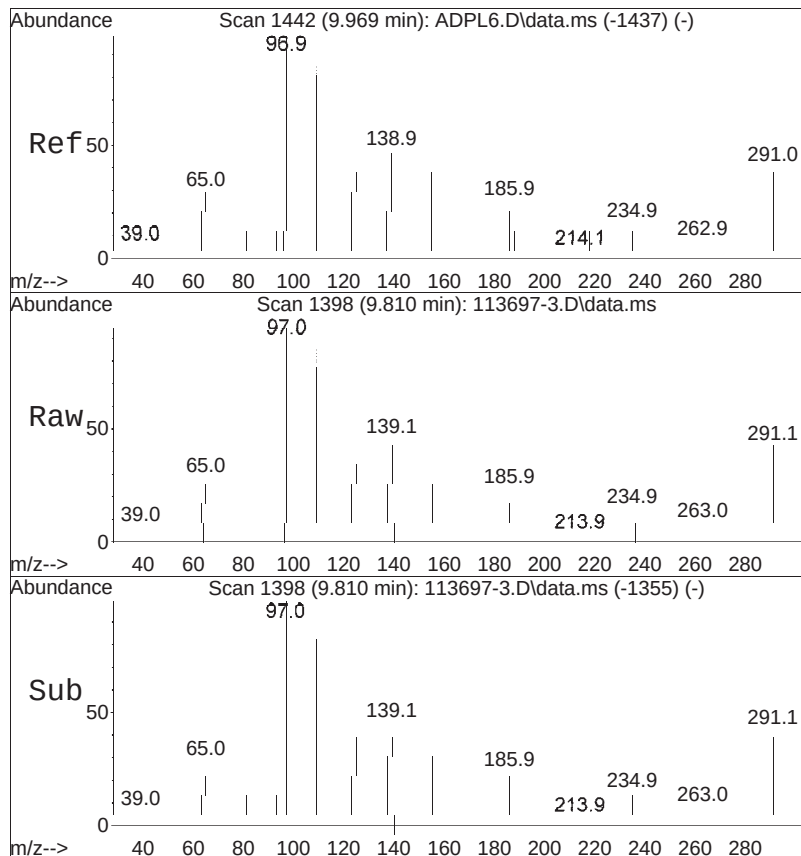




#97
 Butyl benzyl phthalate
 Concen: 1.46 ug/ml
 RT: 11.122 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

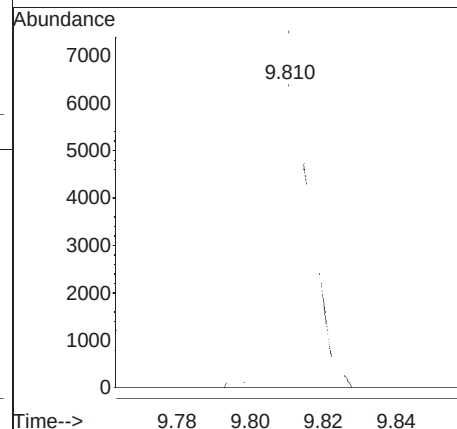
Tgt Ion:	149	Resp:	23071
Ion Ratio	Lower	Upper	
149	100		
91	66.6	57.9	86.9
206	18.9	11.9	17.9#

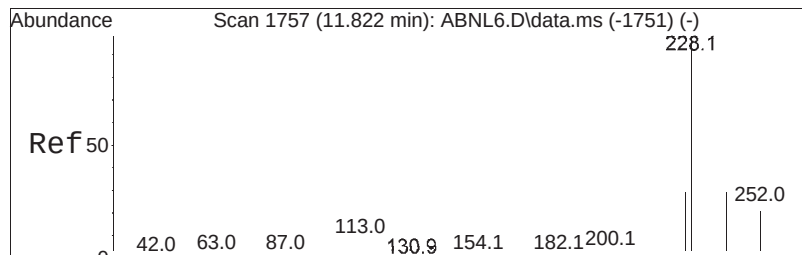




#102
 Parathion
 Concen: 1.66 ug/ml
 RT: 9.810 min Scan# 1398
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

Tgt Ion	Ratio	Lower	Upper
109	100		
97	108.9	85.4	128.2
291	50.0	25.4	38.2#





#105

Benzo(a)anthracene

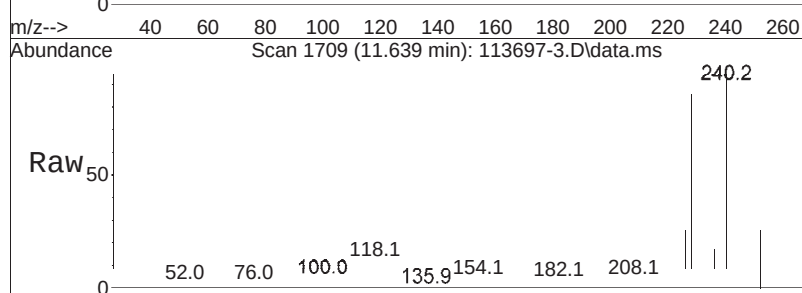
Concen: 1.45 ug/ml

RT: 11.639 min Scan# 1709

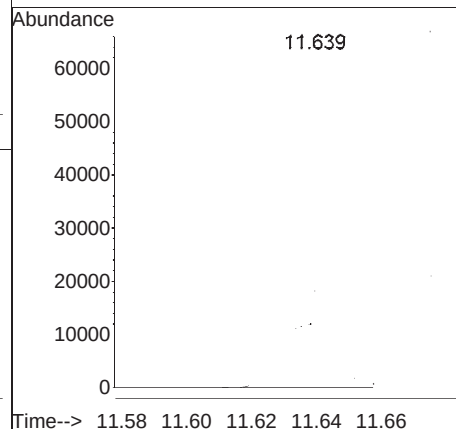
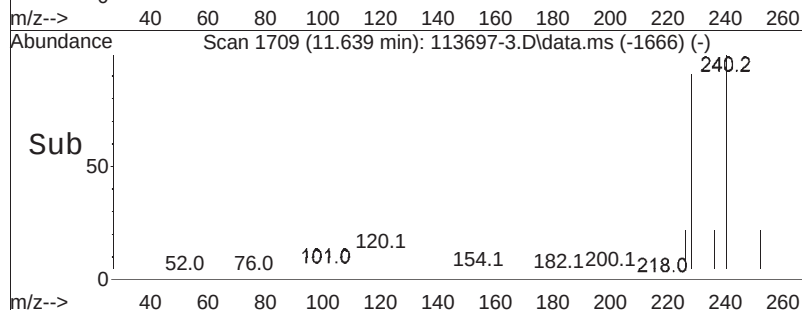
Delta R.T. 0.000 min

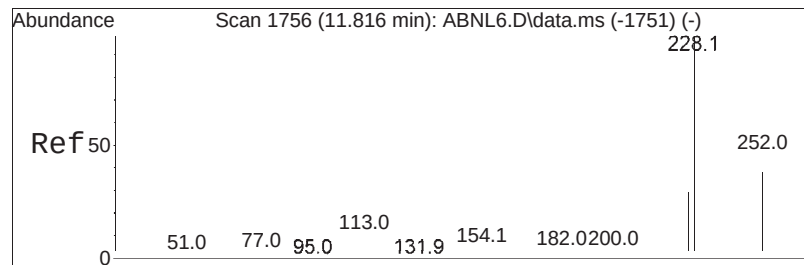
Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am



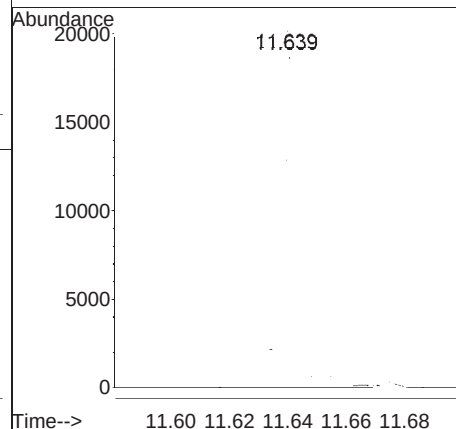
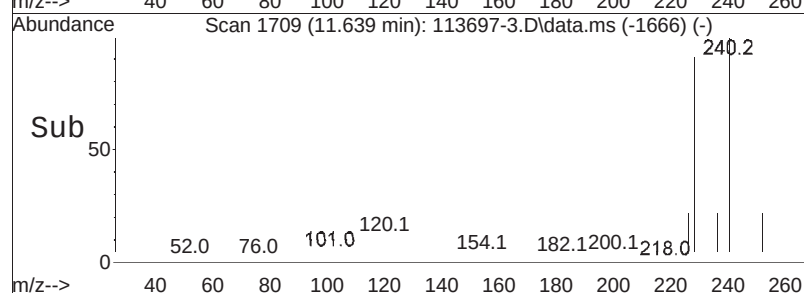
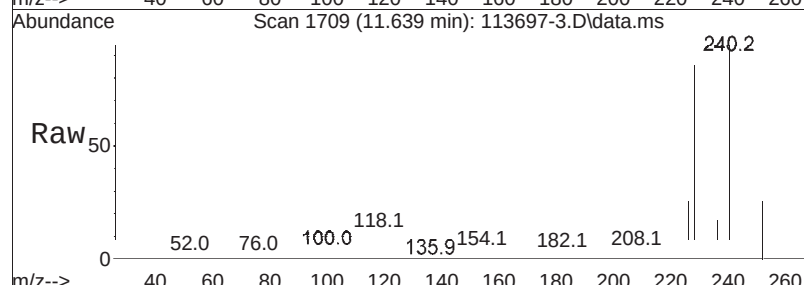
Tgt Ion:	228	Resp:	65007
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.6	34.0
229	19.3	15.8	23.6

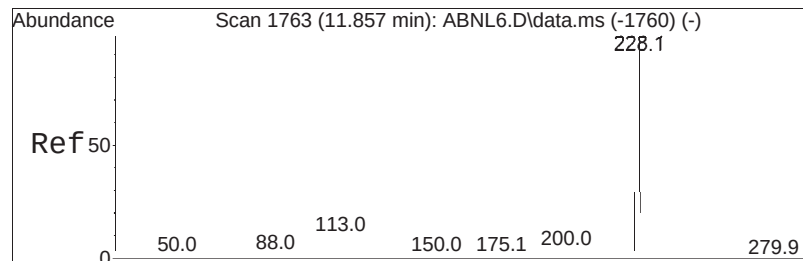




#106
 3,3'-Dichlorobenzidine
 Concen: 1.17 ug/ml
 RT: 11.639 min Scan# 1709
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

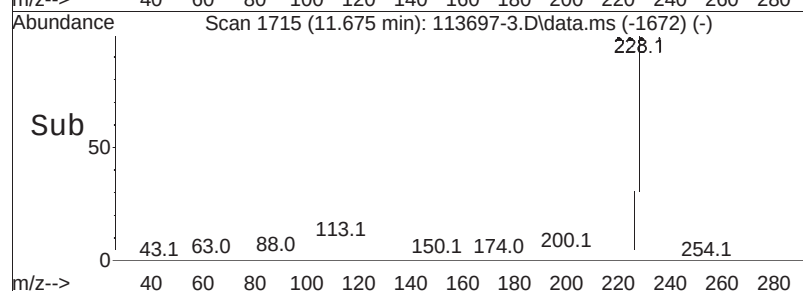
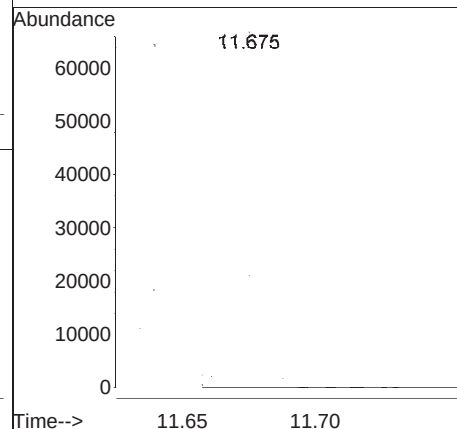
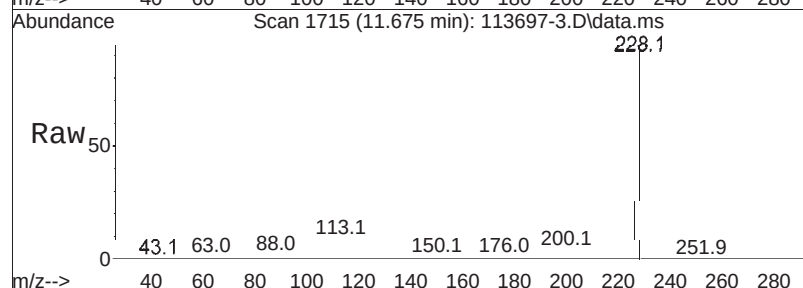
Tgt Ion	Ratio	Lower	Upper
252	100		
126	12.4	12.6	19.0#
254	63.6	51.1	76.7

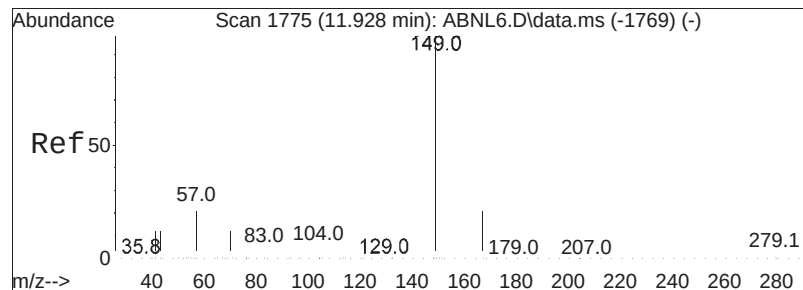




#107
 Chrysene
 Concen: 1.46 ug/ml
 RT: 11.675 min Scan# 1715
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

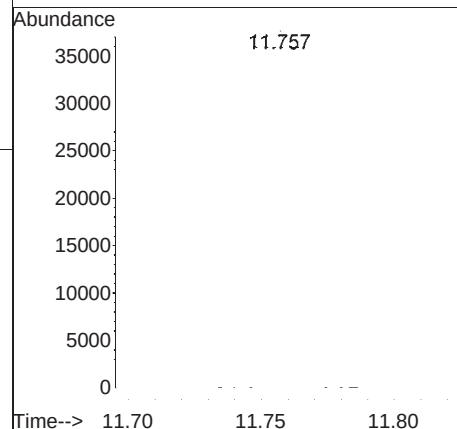
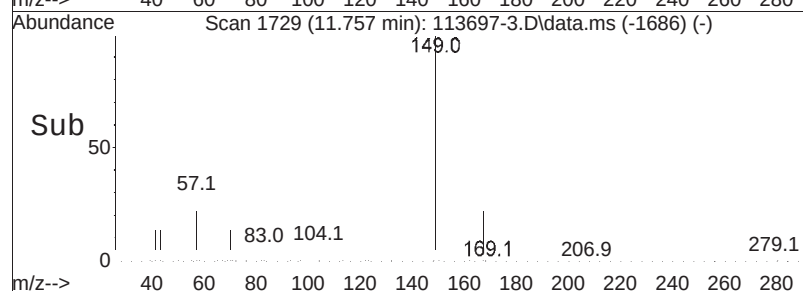
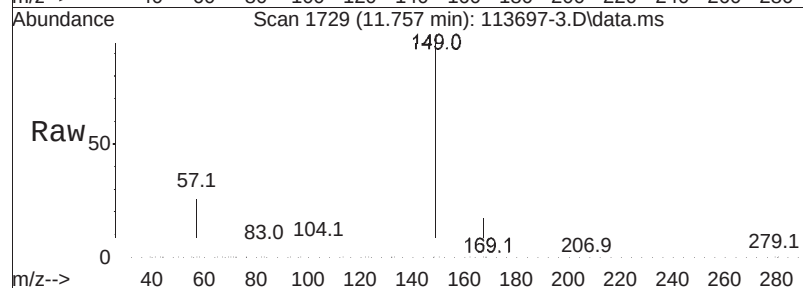
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.7	37.1
229	20.2	15.5	23.3

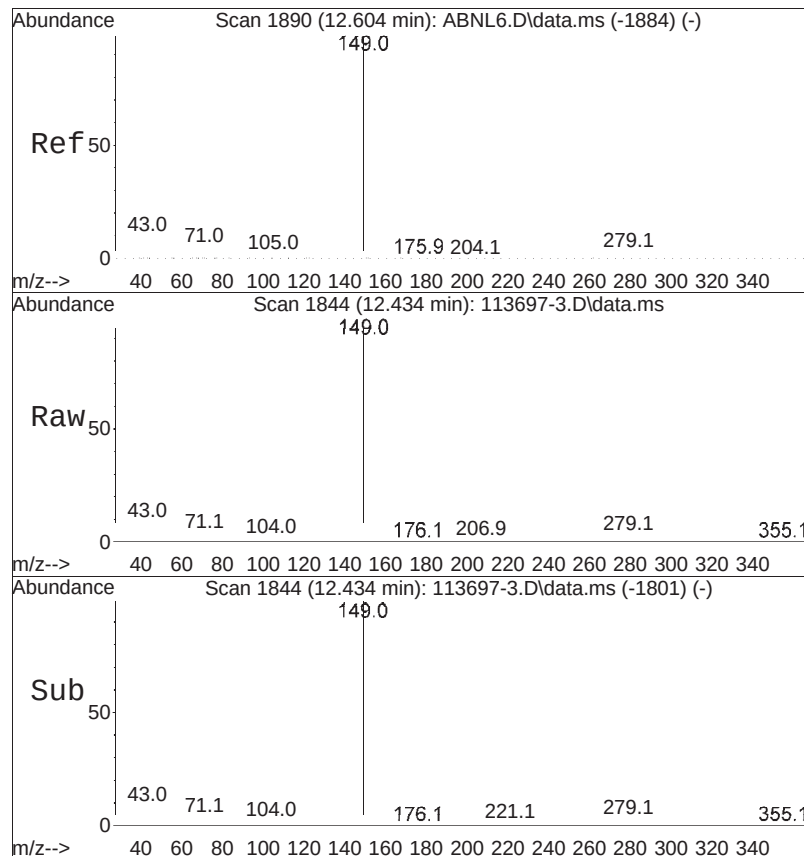




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 1.38 ug/ml
 RT: 11.757 min Scan# 1729
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

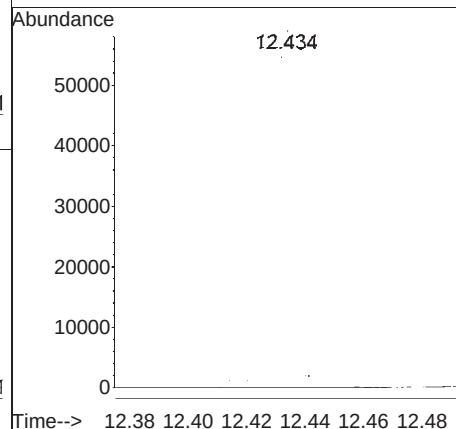
Tgt Ion:	149	Resp:	36151
Ion Ratio	Lower	Upper	
149	100		
167	23.2	18.4	27.6
279	2.4	1.7	2.5

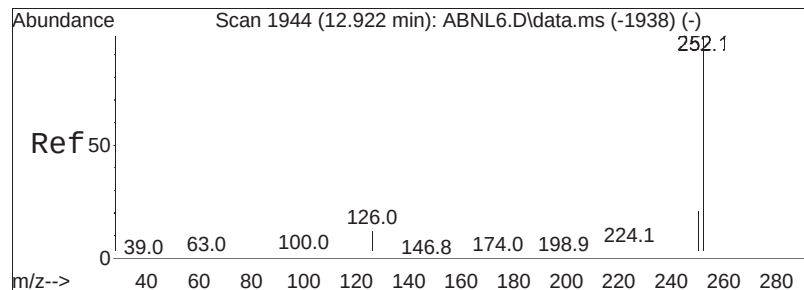




#109
 Di-n-octylphthalate
 Concen: 1.37 ug/ml
 RT: 12.434 min Scan# 1844
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

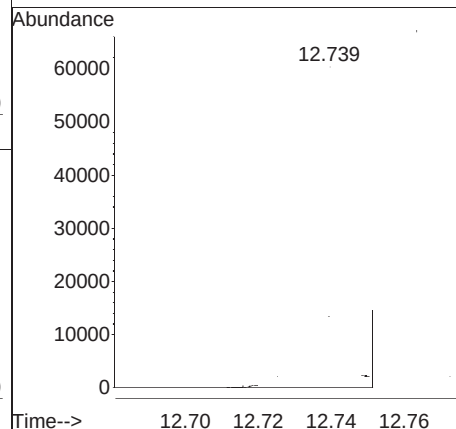
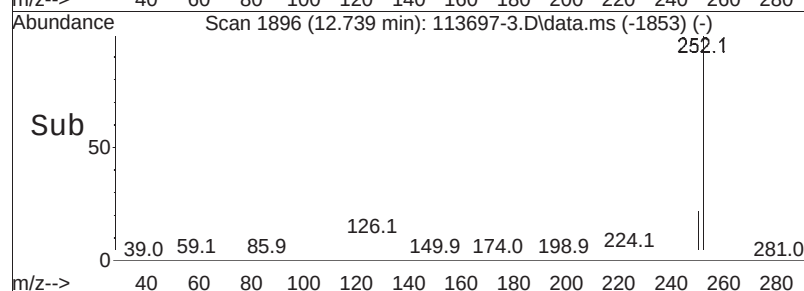
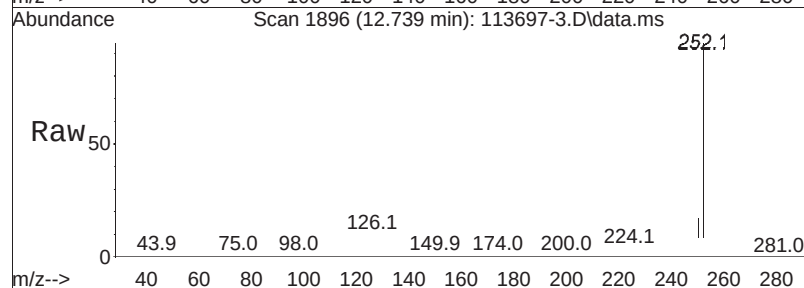
Tgt Ion:	149	Resp:	55789
Ion Ratio	Lower	Upper	
149	100		
43	9.6	8.2	12.2
167	1.3	1.1	1.7

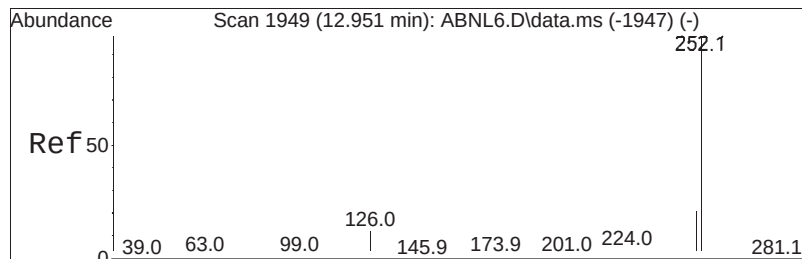




#110
 Benzo(b)fluoranthene
 Concen: 1.54 ug/ml
 RT: 12.739 min Scan# 1896
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

Tgt Ion	Ratio	Lower	Upper
252	100		
125	9.9	11.3	16.9#
253	22.0	17.8	26.8





#111

Benzo(k)fluoranthene

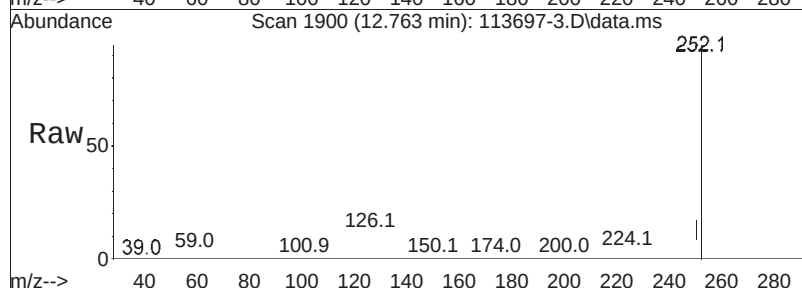
Concen: 1.45 ug/ml M3

RT: 12.763 min Scan# 1900

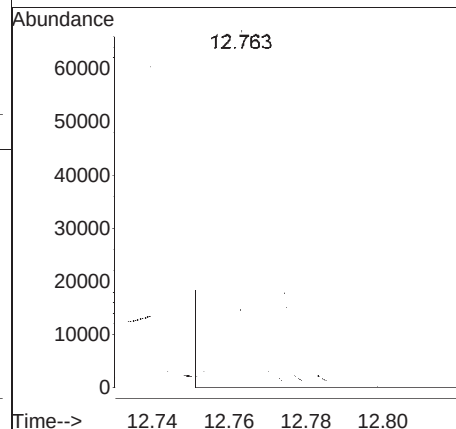
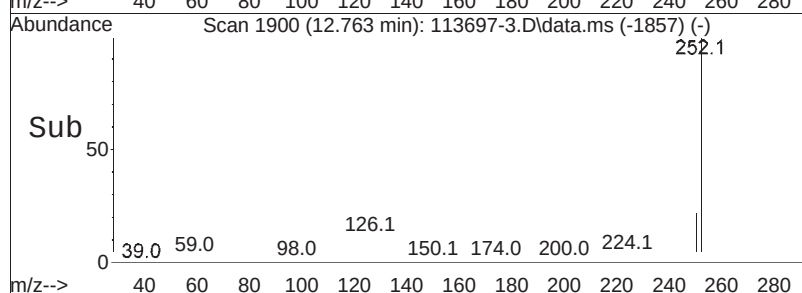
Delta R.T. 0.000 min

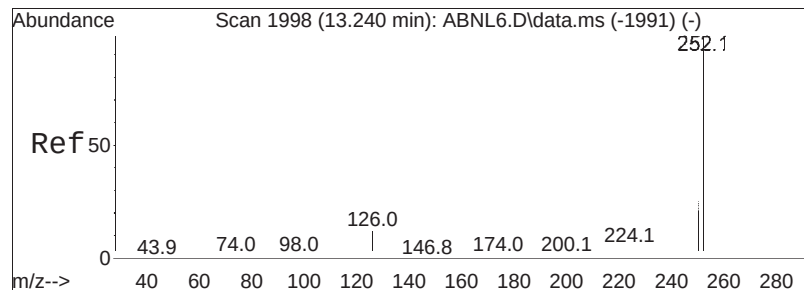
Lab File: 113697-3.D

Acq: 12 Sep 2025 04:02 am



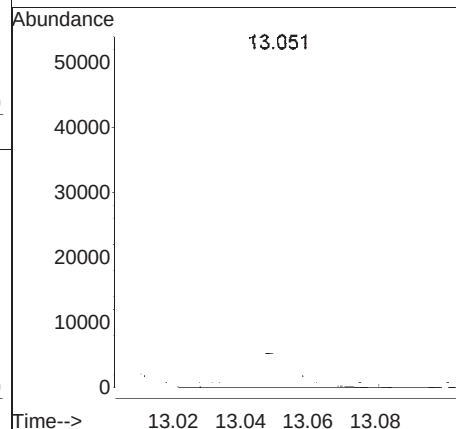
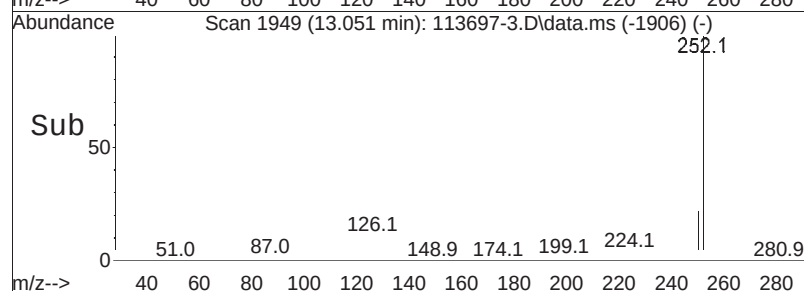
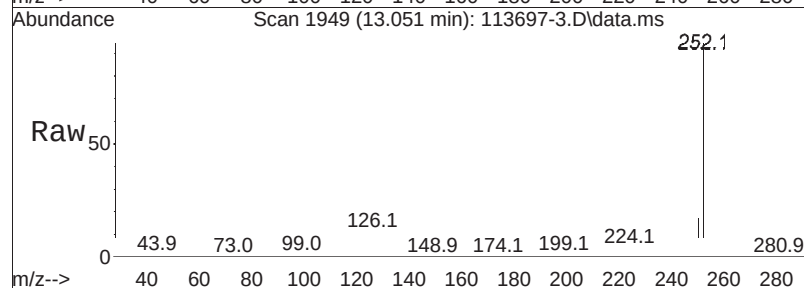
Tgt Ion:	252	Resp:	62503
Ion Ratio	Lower	Upper	
252	100		
125	10.7	11.5	17.3#
253	24.0	17.6	26.4

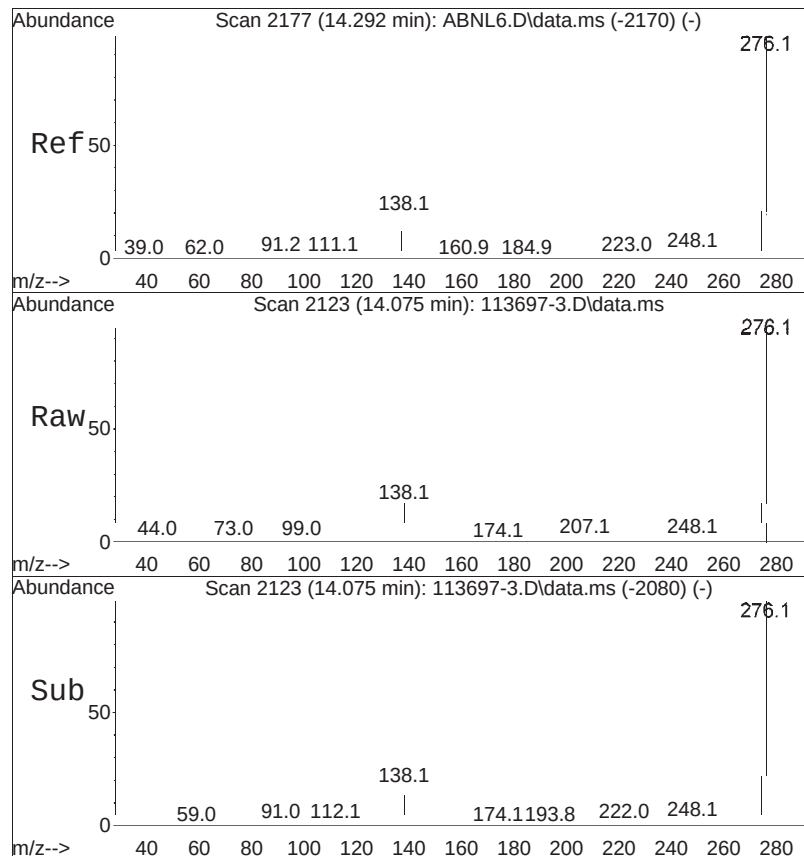




#112
 Benzo(a)pyrene
 Concen: 1.49 ug/ml M3
 RT: 13.051 min Scan# 1949
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

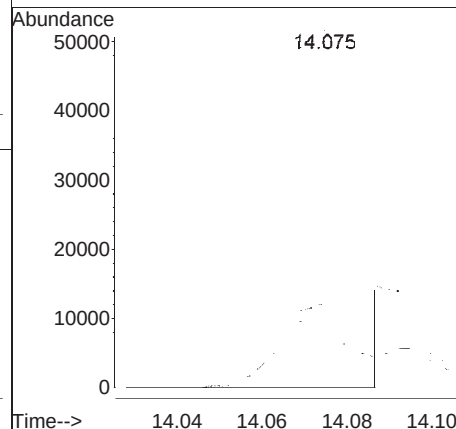
Tgt Ion	Ratio	Lower	Upper
252	100		
125	13.8	12.6	18.8
253	21.3	17.5	26.3

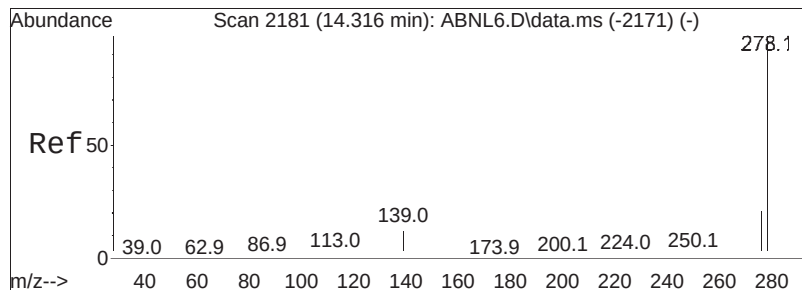




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 1.43 ug/mL M6
 RT: 14.075 min Scan# 2123
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

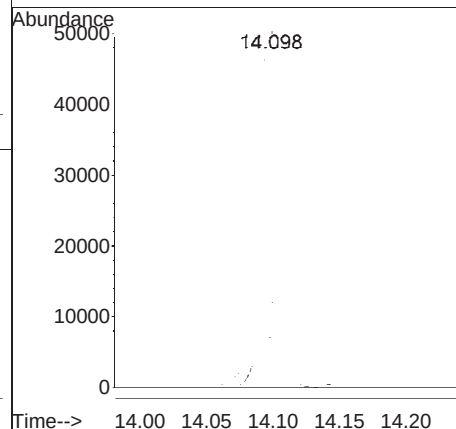
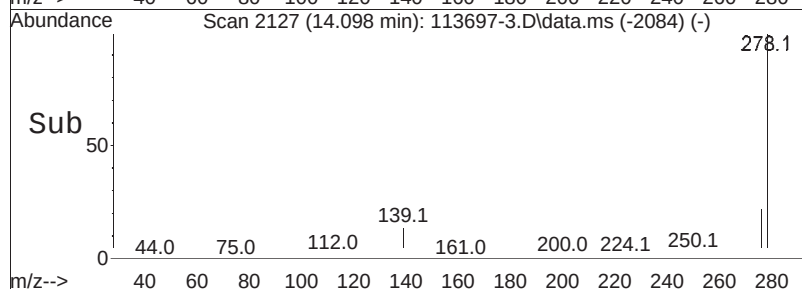
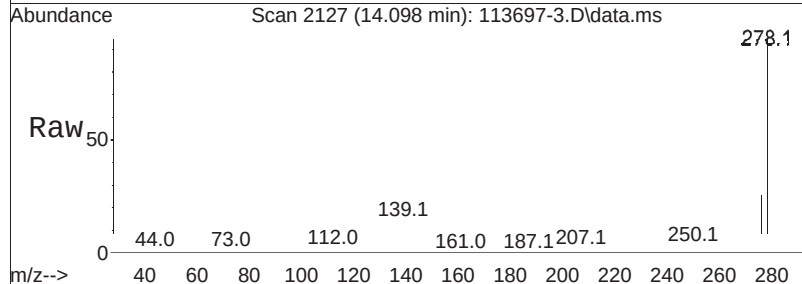
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	60991		
138	20.8		22.1	33.1#
277	31.5		19.0	28.6#

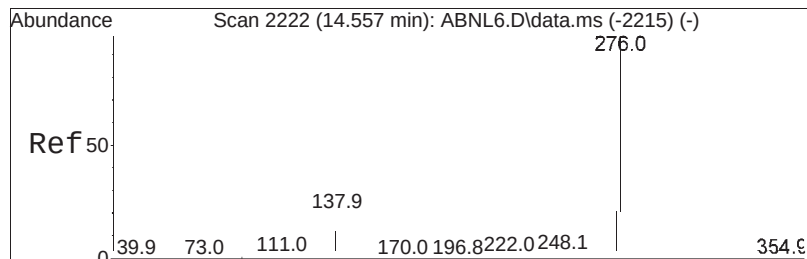




#115
 Dibenzo(a,h)anthracene
 Concen: 1.53 ug/ml
 RT: 14.098 min Scan# 2127
 Delta R.T. 0.000 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

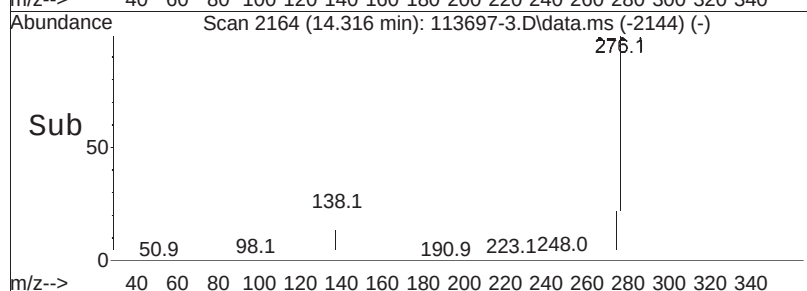
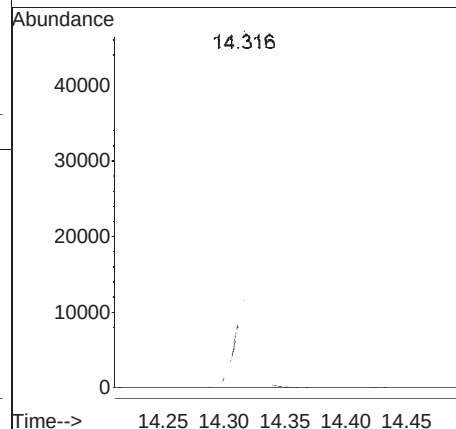
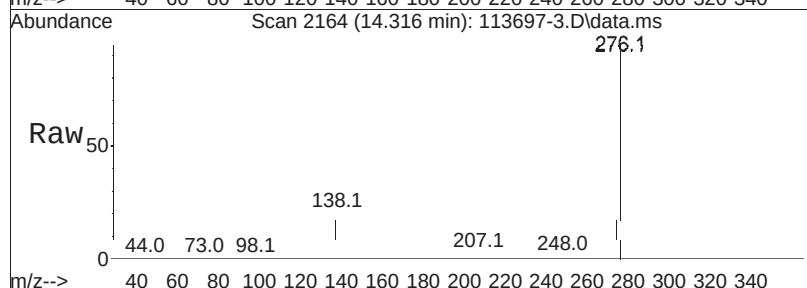
Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	17.8	26.8#
279	23.5	19.2	28.8





#116
 Benzo(ghi)perylene
 Concen: 1.46 ug/ml
 RT: 14.316 min Scan# 2164
 Delta R.T. -0.006 min
 Lab File: 113697-3.D
 Acq: 12 Sep 2025 04:02 am

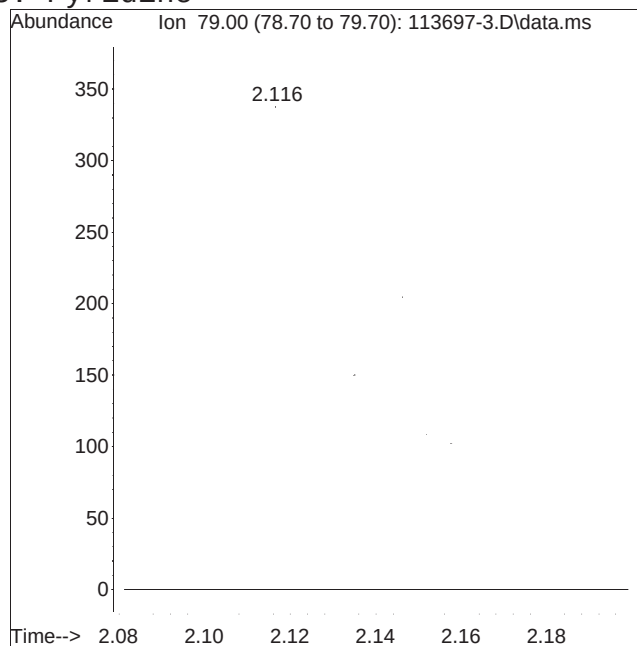
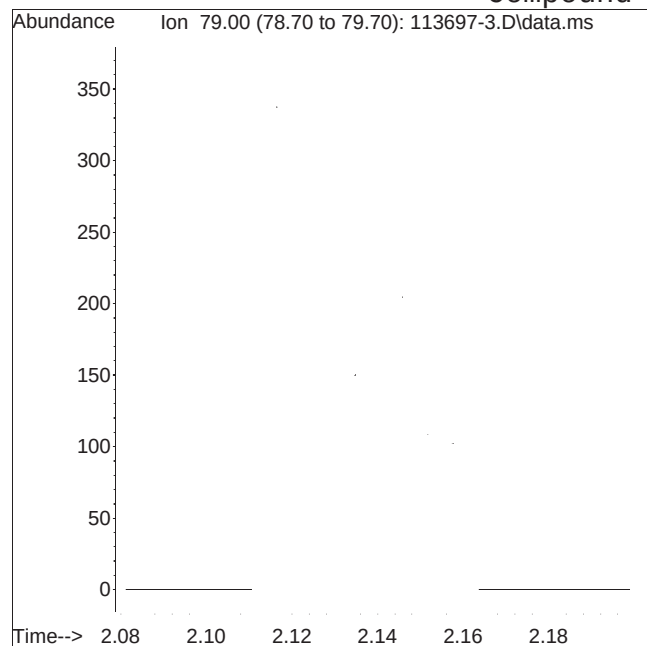
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	21.9	32.9#
277	23.7	18.4	27.6



Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-3.D Operator : SV112:smz
Date Inj'd : 9/12/2025 4:02 am Instrument : SV112
Sample : WG2113697-3,32,,ASK Quant Date : 9/12/2025 4:21 am

Compound #3: Pyridine



Original Peak Response = 0

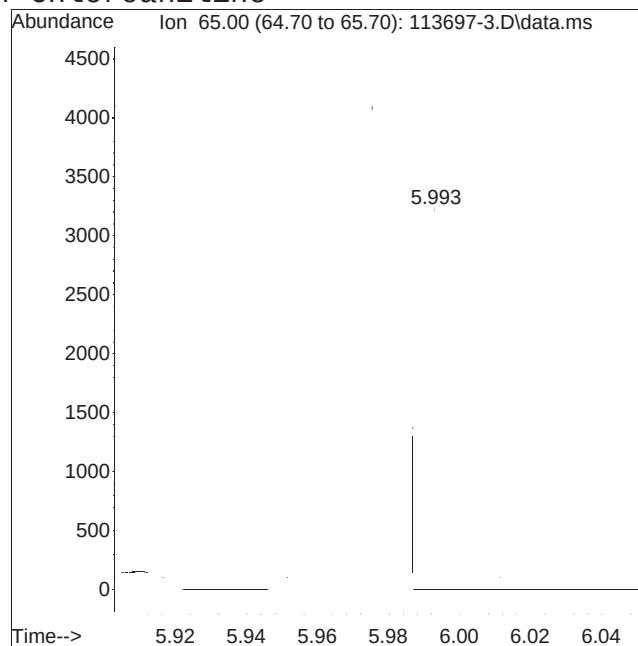
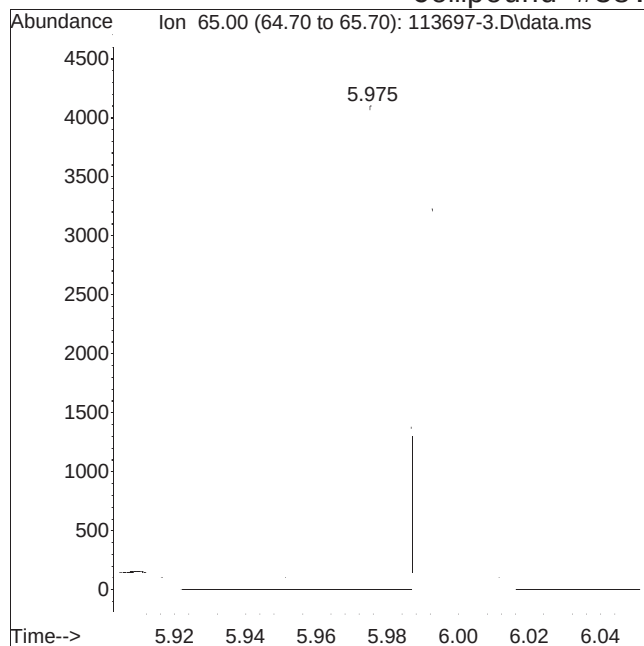
Manual Peak Response = 560 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-3.D Operator : SV112:smz
Date Inj'd : 9/12/2025 4:02 am Instrument : SV112
Sample : WG2113697-3,32,,ASK Quant Date : 9/12/2025 4:21 am

Compound #38: 4-Chloroaniline



Original Peak Response = 4100

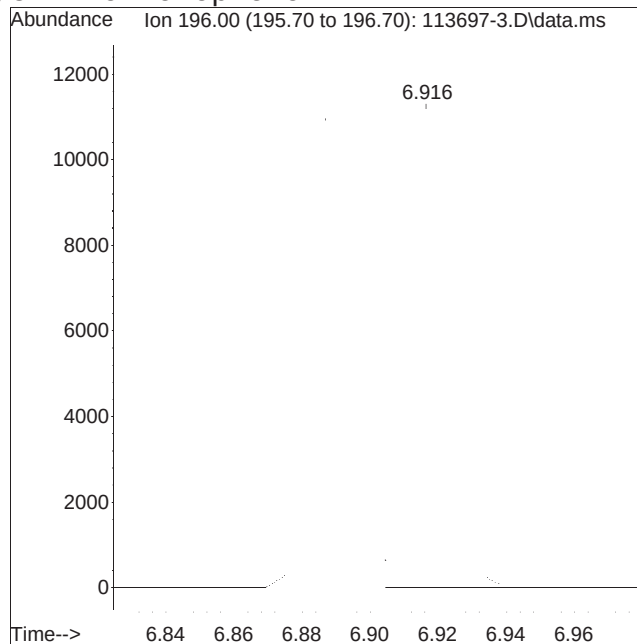
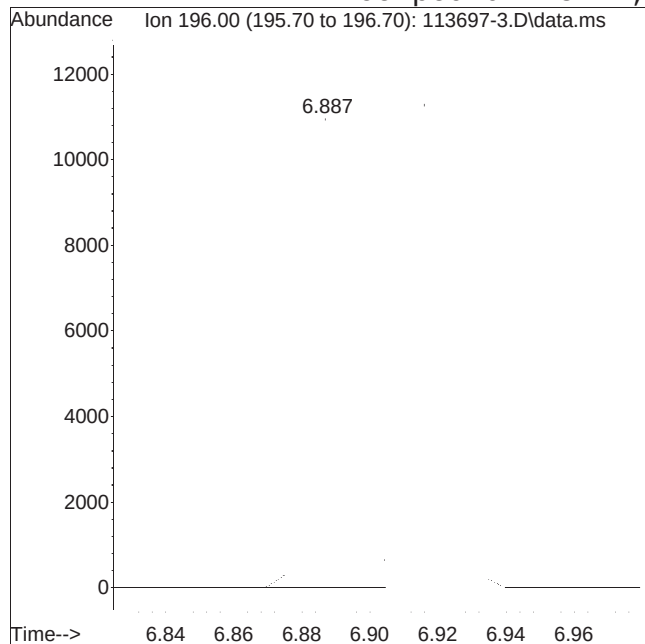
Manual Peak Response = 2188 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-3.D Operator : SV112:smz
Date Inj'd : 9/12/2025 4:02 am Instrument : SV112
Sample : WG2113697-3,32,,ASK Quant Date : 9/12/2025 4:21 am

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 8744

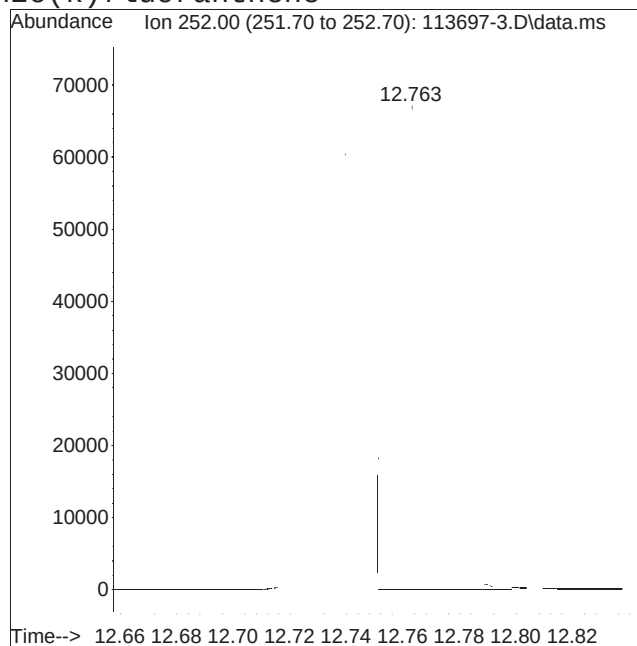
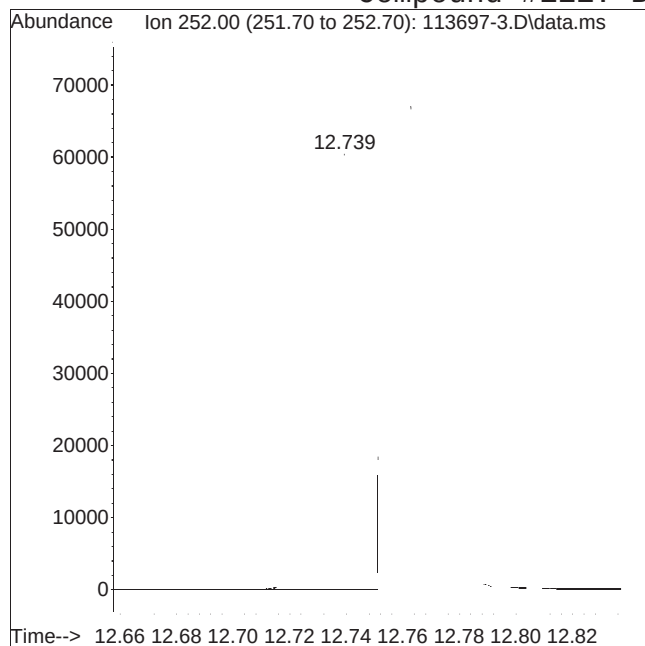
Manual Peak Response = 9085 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-3.D Operator : SV112:smz
Date Inj'd : 9/12/2025 4:02 am Instrument : SV112
Sample : WG2113697-3,32,,ASK Quant Date : 9/12/2025 4:21 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 67995

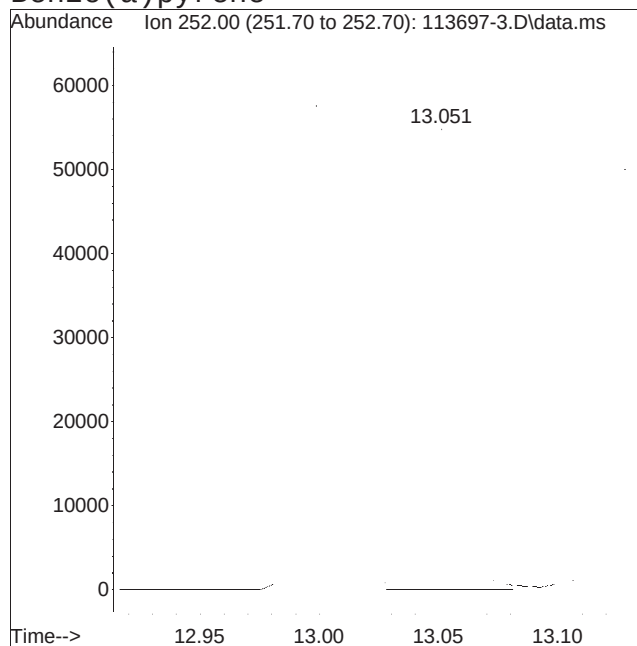
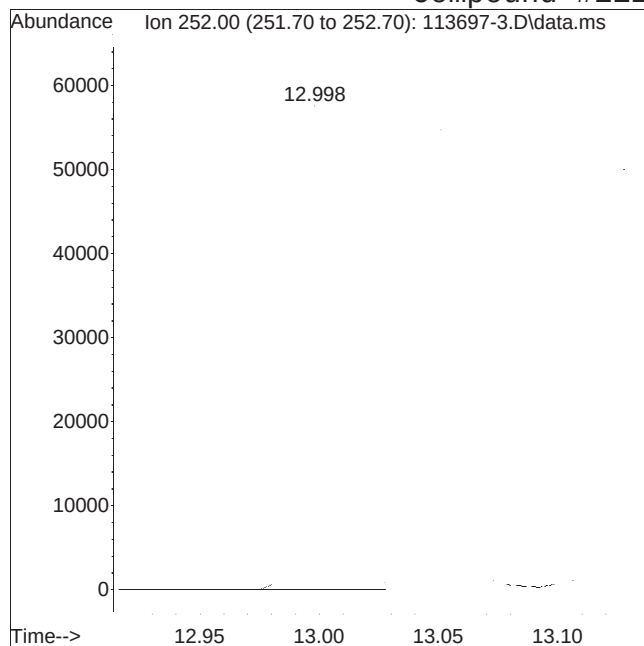
Manual Peak Response = 62503 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-3.D Operator : SV112:smz
Date Inj'd : 9/12/2025 4:02 am Instrument : SV112
Sample : WG2113697-3,32,,ASK Quant Date : 9/12/2025 4:21 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 61368

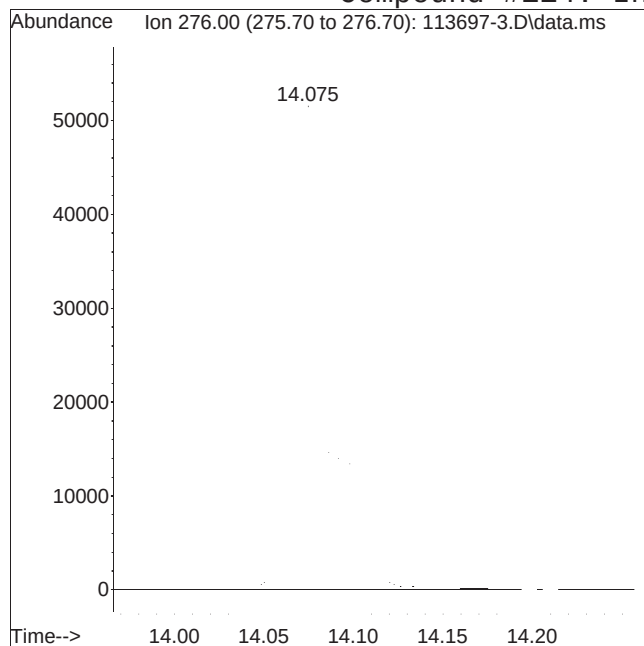
Manual Peak Response = 60732 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

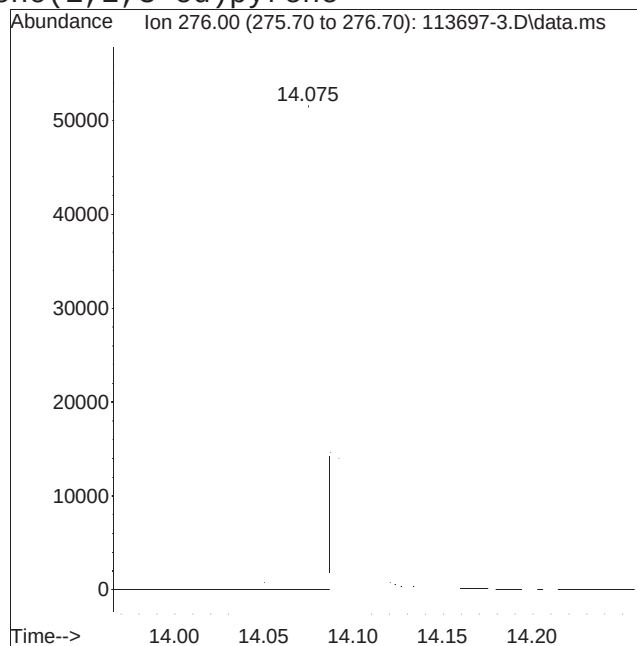
Data Path : I:\8270\SV112\250911NRVT\ QMethod : FS250817SV112RVT.m
Data File : 113697-3.D Operator : SV112:smz
Date Inj'd : 9/12/2025 4:02 am Instrument : SV112
Sample : WG2113697-3,32,,ASK Quant Date : 9/12/2025 4:21 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 75941

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 60991 M6

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * 1000 * (1/V_o) * V_f$

Where:

DF = Dilution Factor

V_o = Volume of Sample (mL)

V_f = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $Amt * DF * 1000 * (1/W_t) * V_f * (100/TS)$

Where:

DF = Dilution Factor

W_t = Weight of Sample (g)

V_f = Extraction Lab Final Volume (mL)

TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Oct 08 2025, 08:51 am

Work Group: WG2113697 for Department: 2 Organic Preparation

Created: 11-SEP-25 Due: Operator: FMM

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2555938-01	MW-13S	C NYTCL-8270-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
L2555938-02	MW-13D	C NYTCL-8270-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
L2555938-03	MW-10S	C NYTCL-8270-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
L2555938-04	MW-10D	C NYTCL-8270-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
L2555938-05	SCDOH-DR	C NYTCL-8270-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
WG2113697-1	Laboratory Method B1	S NYTCL-8270-RVT	WATER	DONE	U				
WG2113697-2	Laboratory Control S	S NYTCL-8270-RVT	WATER	DONE	U				
WG2113697-3	LCS Duplicate	S NYTCL-8270-RVT	WATER	DONE	U				
Comments:									
WG2113697-3	WG2113697-2								

Dep.: GCMS
 Inst: SV112
 Date: 08/17/25
 Run: ICAL

Method
 GC: 8270RVT

Seq: **WG2104073**
 ICAL: 22560



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	Tune1	Tune Lot#11857				
1	ABNL9	IL2,32,,ABNL50 Lot# 11871				
2	ABNL8	IL3,32,,ABNL25 Lot# 11872				
3	ABNL7	IL4,32,,ABNL10 Lot# 11873				
4	ABNL6	IL5,32,,ABNL5 Lot# 11874				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11875				
6	ABNL4	IL7,32,,ABNL1 Lot# 11876				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11877				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11878				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11879				
10	AP9L9	IL2,32,,AP9L50 Lot# 11836				
11	AP9L8	IL3,32,,AP9L25 Lot# 11837				
12	AP9L7	IL4,32,,AP9L10 Lot# 11838				
13	AP9L6	IL5,32,,AP9L5 Lot# 11839				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11840				
15	AP9L4	IL7,32,,AP9L1 Lot# 11841				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11842				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11843				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11865				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11881				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11855				
141	Tune2	Tune Lot#11857				
21	ADPL9	IL2,32,,ADPL50 Lot# 11845				
22	ADPL8	IL3,32,,ADPL25 Lot# 11846				
23	ADPL7	IL4,32,,ADPL10 Lot# 11847				
24	ADPL6	IL5,32,,ADPL5 Lot# 11848				
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11849				
26	ADPL4	IL7,32,,ADPL1 Lot# 11850				
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11851				
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11852				
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11867				
30	ADPICV	CQICV,32,,ADPICV Lot# 11856			mrg	
31	ABNL5a	IL6,32,,ABNL2.5 Lot# 11882				
32	ABNICVa	CQICV,32,,ABNICV Lot# 11881				
33	Blank	Instrument Blank			cmm	

Analysis log File

Total Files Reported in Log : 33

Log Generated From Directory: I:\8270\SV106\250827\ICAL\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	ABNRVT(SIM).	Tune1 Lot# 11857	WG2108428,,	8/27/2025 7:04 pm
2	ABNL9.D	ABNRVT(SIM).	IL2,32,,ABNL50 Lot# 118	WG2108428,,	8/27/2025 8:12 pm
3	ABNL8.D	ABNRVT(SIM).	IL3,32,,ABNL25 Lot# 118	WG2108428,,	8/27/2025 8:33 pm
4	ABNL7.D	ABNRVT(SIM).	IL4,32,,ABNL10 Lot# 118	WG2108428,,	8/27/2025 9:03 pm
5	ABNL6.D	ABNRVT(SIM).	IL5,32,,ABNL5 Lot# 1188	WG2108428,,	8/27/2025 9:24 pm
6	ABNL5.D	ABNRVT(SIM).	IL6,32,,ABNL2.5 Lot# 11	WG2108428,,	8/27/2025 9:46 pm
		()			8/27/2025 10:07 pm
8	ABNL3.D	ABNRVT(SIM).	IL8,32,,ABNL0.5 Lot# 11	WG2108428,,	8/27/2025 10:28 pm
9	ABNL2.D	ABNRVT(SIM).	IL9,32,,ABNL0.2 Lot# 11	WG2108428,,	8/27/2025 10:50 pm
10	ABNL1.D	ABNRVT(SIM).	IL10,32,,ABNL0.1 Lot# 1	WG2108428,,	8/27/2025 11:11 pm
11	ABNICV.D	ABNRVT(SIM).	CQICV1,32,,ABNICV Lot#	WG2108428,,	8/27/2025 11:33 pm
12	Tune2.D	ABNRVT(SIM).	Tune2 Lot# 11857	WG2108428,,	8/27/2025 11:54 pm
13	AP9L9.D	ABNRVT(SIM).	IL2,32,,AP9L50 Lot# 119	WG2108428,,	8/28/2025 12:16 am
14	AP9L7.D	ABNRVT(SIM).	IL4,32,,AP9L10 Lot# 119	WG2108428,,	8/28/2025 12:58 am
15	AP9L8.D	ABNRVT(SIM).	IL3,32,,AP9L25 Lot# 119	WG2108428,,	8/28/2025 12:37 am
16	AP9L6.D	ABNRVT(SIM).	IL5,32,,AP9L5 Lot# 1192	WG2108428,,	8/28/2025 1:20 am
17	AP9L5.D	ABNRVT(SIM).	IL6,32,,AP9L2.5 Lot# 11	WG2108428,,	8/28/2025 1:41 am
18	AP9L4.D	ABNRVT(SIM).	IL7,32,,AP9L1 Lot# 1192	WG2108428,,	8/28/2025 2:03 am
19	AP9L3.D	ABNRVT(SIM).	IL8,32,,AP9L0.5 Lot# 11	WG2108428,,	8/28/2025 2:24 am
20	AP9L2.D	ABNRVT(SIM).	IL9,32,,AP9L0.2 Lot# 11	WG2108428,,	8/28/2025 2:45 am
21	AP9L1.D	ABNRVT(SIM).	IL10,32,,AP9L0.1 Lot# 1	WG2108428,,	8/28/2025 3:07 am
22	ADPL9.D	ABNRVT(SIM).	IL2,32,,ADPL50 Lot# 119	WG2108428,,	8/28/2025 3:28 am
23	ADPL8.D	ABNRVT(SIM).	IL3,32,,ADPL25 Lot# 119	WG2108428,,	8/28/2025 3:50 am
24	ADPL7.D	ABNRVT(SIM).	IL4,32,,ADPL10 Lot# 119	WG2108428,,	8/28/2025 4:11 am
25	ADPL6.D	ABNRVT(SIM).	IL5,32,,ADPL5 Lot# 1190	WG2108428,,	8/28/2025 4:32 am
26	ADPL5.D	ABNRVT(SIM).	IL6,32,,ADPL2.5 Lot# 11	WG2108428,,	8/28/2025 4:54 am
27	ADPL4.D	ABNRVT(SIM).	IL7,32,,ADPL1 Lot# 1190	WG2108428,,	8/28/2025 5:15 am
28	ADPL3.D	ABNRVT(SIM).	IL8,32,,ADPL0.5 Lot# 11	WG2108428,,	8/28/2025 5:36 am
29	ADPL2.D	ABNRVT(SIM).	IL9,32,,ADPL0.2 Lot# 11	WG2108428,,	8/28/2025 5:58 am
30	ADPL1.D	ABNRVT(SIM).	IL10,32,,ADPL0.1 Lot# 1	WG2108428,,	8/28/2025 6:19 am
31	AP9ICV.D	ABNRVT(SIM).	CQICV2,32,,AP9ICV Lot#	WG2108428,,	8/28/2025 6:40 am
32	ADPICV.D	ABNRVT(SIM).	CQICV,32,,ADPICV Lot# 1	WG2108428,,	8/28/2025 7:02 am
33	Blank.D	ABNRVT(SIM).	RVT Instrument Blank	wg,,ical	8/28/2025 7:23 am

Printed: 08/28/25

Page: 1

Dep.: GCMS
 Inst: SV106
 Date: 09/08/25
 Run:

Method
 GC: ABNRVT(SIM)

Seq: WG2111831
 ICAL: 22591



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0908	wg-1,32,,SV106 Degdftpp Lot #	11857			HNY 9/10
142	ABN0908	wg-3,32,,ABN 11964 cmm0831A	Full List: Some Outages			HNY 9/10
143	AP90908	wg-4,32,,AP9 11965 cmm0831A				HNY 9/10
144	ADP0908	wg-5,32,,ADP 11661 gmr0814B				HNY 9/10
1	111707-1	WG2111707-1,32,,cmm				9/11jg
2	111707-2	WG2111707-2,32,,cmm				9/11jg
3	111707-3	WG2111707-3,32,,cmm				9/11jg
4	111701-1	WG2111701-1,32,,cmm	RX, Di-n-Butylphthalate contamination			HNY 9/10
5	111701-2	WG2111701-2,32,,cmm				HNY 9/10
6	111701-3	WG2111701-3,32,,cmm				HNY 9/10
7	111722-1	WG2111722-1,32,,cmm				HNY 9/10
8	111722-2	WG2111722-2,32,,cmm				HNY 9/10
9	111722-3	WG2111722-3,32,,cmm				HNY 9/10
10	55411-01	L2555411-01,32,,cmm				HNY 9/10
11	55531-01	L2555531-01,32,,cmm	RX, Hit of Di-n-Butylphthalate in BLK, Not ND			HNY 9/10
12	55847-11	L2555847-11,32,,cmm				
13	55580-06	L2555580-06,32,,cmm				HNY 9/10
14	55580-07	L2555580-07,32,,cmm				HNY 9/10
15	55580-01	L2555580-01,32,,cmm				HNY 9/10
16	55938-01	L2555938-01,32,,cmm	contamination likely RX			9/11jg
17	55938-02	L2555938-02,32,,cmm	contamination likely RX			9/11jg
18	55938-03	L2555938-03,32,,cmm	contamination likely RX			9/11jg
19	55938-04	L2555938-04,32,,cmm	contamination likely RX			9/11jg
20	55938-05	L2555938-05,32,,cmm	contamination likely RX			9/11jg
21	39267-22	L2539267-22,32,,cmm				
22	111593-5	WG2111593-5,32,,cmm				
23	111593-4	WG2111593-4,32,,cmm			cmm	
					SV-ASK	



ORGANIC ELN REPORT

Workgroup: WG2113697

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN Spike Verify by: FMM Lims Spikelot: 8270-RVT Additional Reagents/Std	Lot #: EK640 Lot #: 11978ag,03/02/2026,3r,7,1 Lot #: 11808-AG[1/30/25]; 11818-AL		Conc.Method: Buchi Solvent Type: DCM Lot #: EK611 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std	
	H2SO4				A062825
	Na2SO4				244434
	NaOH				10NNaOH070625

Extraction							Concentration			
Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2555938-01 SAMP	09/11/25 22:36	Francis Mbro- Menyah	100	<2,>12	.1		09/12/25 01:27	Mary Asare	1	K
L2555938-02 SAMP	09/11/25 22:36	Francis Mbro- Menyah	100	<2,>12	.1		09/12/25 01:27	Mary Asare	1	K
L2555938-03 SAMP	09/11/25 22:36	Francis Mbro- Menyah	100	<2,>12	.1		09/12/25 01:27	Mary Asare	1	K
L2555938-04 SAMP	09/11/25 22:36	Francis Mbro- Menyah	100	<2,>12	.1		09/12/25 01:27	Mary Asare	1	K
L2555938-05 SAMP	09/11/25 22:36	Francis Mbro- Menyah	100	<2,>12	.1		09/12/25 01:28	Mary Asare	1	K



ORGANIC ELN REPORT

Workgroup: WG2113697

Extraction							Concentration			
Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
WG2113697 -1 BLANK	09/11/25 22:36	Francis Mbro- Menyah	100	<2,>12	.1		09/12/25 01:27	Mary Asare	1	K
WG2113697 -2 LCS	09/11/25 22:36	Francis Mbro- Menyah	100	<2,>12	.1	.1	09/12/25 01:27	Mary Asare	1	K
WG2113697 -3 LCSD	09/11/25 22:36	Francis Mbro- Menyah	100	<2,>12	.1	.1	09/12/25 01:27	Mary Asare	1	K

Semivolatiles Data
by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary

Form 2

Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2555938
Project Number: 2232.0006Y005
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-13S (L2555938-01)	49	34	80	73	99	91	0
MW-13D (L2555938-02)	49	35	81	76	108	101	0
MW-10S (L2555938-03)	52	35	86	81	105	99	0
MW-10D (L2555938-04)	54	38	86	80	108	100	0
SCDOH-DR (L2555938-05)	56	38	93	86	110	99	0
WG2111706-1BLANK	51	35	78	71	101	94	0
WG2111706-2LCS	61	45	91	79	113	100	0
WG2111706-3LCSD	62	45	93	79	108	90	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-SIM-RVT



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
 Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2111706-2 Analysis Date : 09/10/25 13:23 File ID : 111706-2
 LCSD Sample ID : WG2111706-3 Analysis Date : 09/10/25 13:40 File ID : 111706-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acenaphthene	20	15	77	20	15	76	1	40-140	40
2-Chloronaphthalene	20	15	73	20	14	72	1	40-140	40
Fluoranthene	20	20	98	20	18	91	7	40-140	40
Hexachlorobutadiene	20	11	56	20	11	56	0	40-140	40
Naphthalene	20	13	66	20	13	67	2	40-140	40
Benzo(a)anthracene	20	19	96	20	18	90	6	40-140	40
Benzo(a)pyrene	20	20	101	20	18	92	9	40-140	40
Benzo(b)fluoranthene	20	20	103	20	20	98	5	40-140	40
Benzo(k)fluoranthene	20	19	96	20	17	84	13	40-140	40
Chrysene	20	19	97	20	17	87	11	40-140	40
Acenaphthylene	20	16	83	20	16	81	2	40-140	40
Anthracene	20	18	89	20	17	85	5	40-140	40
Benzo(ghi)perylene	20	20	100	20	18	92	8	40-140	40
Fluorene	20	17	83	20	16	81	2	40-140	40
Phenanthrene	20	17	85	20	16	81	5	40-140	40
Dibenzo(a,h)anthracene	20	20	99	20	18	90	10	40-140	40
Indeno(1,2,3-cd)pyrene	20	22	108	20	20	99	9	40-140	40
Pyrene	20	19	97	20	18	90	7	40-140	40
2-Methylnaphthalene	20	15	73	20	15	73	0	40-140	40
Pentachlorophenol	20	25	124	20	23	117	6	40-140	40
Hexachlorobenzene	20	16	82	20	16	80	2	40-140	40
Hexachloroethane	20	11	57	20	12	58	2	40-140	40
Bis(2-chloroethyl)ether	20	15	77	20	16	79	3	40-140	40



Method Blank Summary
Form 4
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab Sample ID	: WG2111706-1	Lab File ID	: 111706-1
Instrument ID	: SV125	Extraction Date	: 09/07/25
Matrix	: WATER	Analysis Date	: 09/10/25 13:57
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2111706-2LCS	WG2111706-2	09/10/25 13:23
WG2111706-3LCSD	WG2111706-3	09/10/25 13:40
MW-13S	L2555938-01	09/10/25 14:14
MW-13D	L2555938-02	09/10/25 14:31
MW-10S	L2555938-03	09/10/25 14:48
MW-10D	L2555938-04	09/10/25 15:05
SCDOH-DR	L2555938-05	09/10/25 15:22

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555938
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV125	Analysis Date : 09/08/25 18:17
Tune Standard : R2008306-12	Tune File ID : Tune_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	59.2
68	Less than 2.0% of mass 69	0.4 (.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	59.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	24.1
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	79.8
443	15.0 - 24.0% of mass 442	15.2 (19.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
IL10	R2008306-2	IL10	09/08/25 19:01
IL9	R2008306-9	IL9	09/08/25 19:17
IL8	R2008306-10	IL8	09/08/25 19:34
IL7	R2008306-8	IL7	09/08/25 19:51
IL6	R2008306-7	IL6	09/08/25 20:07
IL5	R2008306-5	IL5	09/08/25 20:24
IL4	R2008306-6	IL4	09/08/25 20:41
IL3	R2008306-4	IL3	09/08/25 20:58
IL2	R2008306-3	IL2	09/08/25 21:14
IL1	R2008306-1	IL1	09/08/25 21:31
ICV Quant Report	R2008306-11	ICV	09/08/25 21:48



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2555938
Project Name : CORAM MATERIALS	Project Number : 2232.0006Y005
Instrument ID : SV125	Analysis Date : 09/10/25 10:59
Tune Standard : WG2113001-1	Tune File ID : deg0910a_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	61.4
68	Less than 2.0% of mass 69	0.5 (1.1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	58.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	22.5
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	17.1
442	Base Peak, or >50% of mass 198	88.4
443	15.0 - 24.0% of mass 442	15.6 (17.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2113001-4TFACTOR-B	WG2113001-4	DEG0910A	09/10/25 10:59
WG2113001-5TFACTOR-P	WG2113001-5	DEG0910A	09/10/25 10:59
WG2113001-3CCAL	WG2113001-3	CCV0910	09/10/25 11:16
WG2111706-2LCS	WG2111706-2	111706-2	09/10/25 13:23
WG2111706-3LCSD	WG2111706-3	111706-3	09/10/25 13:40
WG2111706-1BLANK	WG2111706-1	111706-1	09/10/25 13:57
MW-13S	L2555938-01	55938-01	09/10/25 14:14
MW-13D	L2555938-02	55938-02	09/10/25 14:31
MW-10S	L2555938-03	55938-03	09/10/25 14:48
MW-10D	L2555938-04	55938-04	09/10/25 15:05
SCDOH-DR	L2555938-05	55938-05	09/10/25 15:22



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Sample No : WG2113001-3

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Analysis Date : 09/10/25 11:16:00
 Lab File ID : CCV0910

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2113001-3	224293	2.31	856626	2.97	485847	3.93
Upper Limit	448586	2.81	1713252	3.47	971694	4.43
Lower Limit	112147	1.81	428313	2.47	242924	3.43
Sample ID						
WG2111706-2 LCS	218514	2.31	871491	2.97	502179	3.93
WG2111706-3 LCSD	211728	2.31	839363	2.97	477352	3.93
WG2111706-1 BLANK	205413	2.31	802325	2.96	463223	3.93
MW-13S	216287	2.31	846039	2.97	494254	3.93
MW-13D	217178	2.31	846472	2.97	490305	3.93
MW-10S	207707	2.31	813686	2.97	469140	3.93
MW-10D	205645	2.31	804631	2.97	461890	3.93
SCDOH-DR	222058	2.31	865210	2.97	505153	3.93

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Sample No : WG2113001-3

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Analysis Date : 09/10/25 11:16:00
 Lab File ID : CCV0910

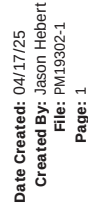
	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2113001-3	985427	4.77	873687	6.30	895700	7.37
Upper Limit	1970854	5.27	1747374	6.80	1791400	7.87
Lower Limit	492714	4.27	436844	5.80	447850	6.87
Sample ID						
WG2111706-2 LCS	988402	4.77	871143	6.30	866199	7.37
WG2111706-3 LCSD	932052	4.77	826090	6.30	830299	7.37
WG2111706-1 BLANK	932001	4.76	851092	6.30	813086	7.37
MW-13S	1003292	4.77	891961	6.30	840181	7.37
MW-13D	981125	4.77	894939	6.30	856523	7.37
MW-10S	933283	4.77	844608	6.30	803235	7.37
MW-10D	919906	4.76	819869	6.30	792804	7.37
SCDOH-DR	1019644	4.77	889836	6.30	848561	7.37

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





Holding Time: 7 days
Container /Sample Preservation: 2 - Amber 100ml unpreserved

Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA

Semivolatile Sample Data

Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555938-01 Client ID : MW-13S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 55938-01 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555938 Project Number : 2232.0006Y005 Date Collected : 09/05/25 09:00 Date Received : 09/05/25 Date Analyzed : 09/10/25 14:14 Date Extracted : 09/07/25 Dilution Factor : 1 Analyst : DV Instrument ID : SV125 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
--	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:14
Sample Matrix	: WATER	Date Extracted	: 09/07/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55938-01	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555938-02 Client ID : MW-13D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 55938-02 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555938 Project Number : 2232.0006Y005 Date Collected : 09/05/25 08:55 Date Received : 09/05/25 Date Analyzed : 09/10/25 14:31 Date Extracted : 09/07/25 Dilution Factor : 1 Analyst : DV Instrument ID : SV125 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
--	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:31
Sample Matrix	: WATER	Date Extracted	: 09/07/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55938-02	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-03
 Client ID : MW-10S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E-SIM
 Lab File ID : 55938-03
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 10:10
 Date Received : 09/05/25
 Date Analyzed : 09/10/25 14:48
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV125
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 14:48
Sample Matrix	: WATER	Date Extracted	: 09/07/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55938-03	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM MATERIALS Lab ID : L2555938-04 Client ID : MW-10D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 55938-04 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2555938 Project Number : 2232.0006Y005 Date Collected : 09/05/25 10:15 Date Received : 09/05/25 Date Analyzed : 09/10/25 15:05 Date Extracted : 09/07/25 Dilution Factor : 1 Analyst : DV Instrument ID : SV125 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
--	--

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 15:05
Sample Matrix	: WATER	Date Extracted	: 09/07/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55938-04	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : L2555938-05
 Client ID : SCDOH-DR
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E-SIM
 Lab File ID : 55938-05
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 11:30
 Date Received : 09/05/25
 Date Analyzed : 09/10/25 15:22
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV125
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 15:22
Sample Matrix	: WATER	Date Extracted	: 09/07/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 55938-05	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SiIM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111706-1
 Client ID : WG2111706-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E-SIM
 Lab File ID : 111706-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/10/25 13:57
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV125
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.04	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	0.05	0.10	0.03	J
50-32-8	Benzo(a)pyrene	0.04	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.04	0.10	0.03	J
207-08-9	Benzo(k)fluoranthene	0.04	0.10	0.03	J
218-01-9	Chrysene	0.04	0.10	0.03	J
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	0.04	0.10	0.02	J
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	0.04	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	0.10	0.02	J
129-00-0	Pyrene	0.04	0.10	0.04	J
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	0.61	0.80	0.06	J
118-74-1	Hexachlorobenzene	0.02	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2111706-1
 Client ID : WG2111706-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E-SIM
 Lab File ID : 111706-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/10/25 13:57
 Date Extracted : 09/07/25
 Dilution Factor : 1
 Analyst : DV
 Instrument ID : SV125
 GC Column : RXI-5SiIM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-01.D
 Acq On : 10 Sep 2025 02:14 pm
 Operator : SV125:dv
 Sample : L2555938-01,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 21:12:29 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.311	152	216287	4000.000	ng/ml	0.00
Standard Area 1 = 224293			Recovery	=	96.43%	
9) Naphthalene-d8	2.965	136	846039	4000.000	ng/ml	0.00
Standard Area 1 = 856626			Recovery	=	98.76%	
18) Acenaphthene-d10	3.931	164	494254	4000.000	ng/ml	0.00
Standard Area 1 = 485847			Recovery	=	101.73%	
23) Phenanthrene-d10	4.765	188	1003292	4000.000	ng/ml	0.00
Standard Area 1 = 985427			Recovery	=	101.81%	
33) Chrysene-d12	6.303	240	891961	4000.000	ng/ml	0.00
Standard Area 1 = 873687			Recovery	=	102.09%	
38) Perylene-d12	7.373	264	840181	4000.000	ng/ml	0.00
Standard Area 1 = 895700			Recovery	=	93.80%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	52428	981.625	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	49.08%	
4) Phenol-d6	2.139	99	45518	689.842	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	34.49%	
8) Nitrobenzene-d5	2.588	82	41955	796.252	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	79.63%	
14) 2-Fluorobiphenyl	3.561	172	126784	734.305	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	73.43%	
22) 2,4,6-Tribromophenol	4.373	330	36511	1986.933	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	99.35%	
32) 4-Terphenyl-d14	5.682	244	182292	906.632	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	90.66%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-01.D
 Acq On : 10 Sep 2025 02:14 pm
 Operator : SV125:dv
 Sample : L2555938-01,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 21:12:29 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

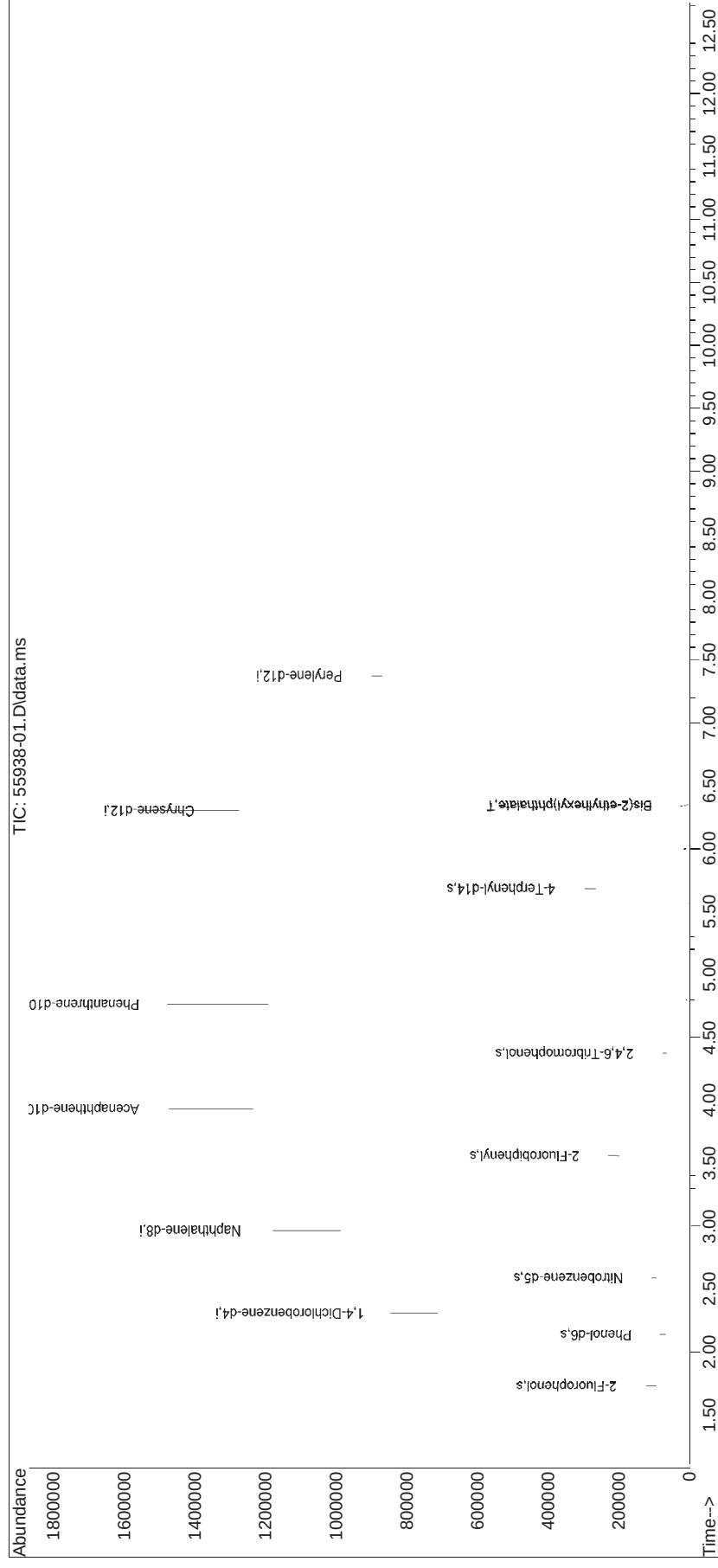
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-01.D
 Acq On : 10 Sep 2025 02:14 pm
 Operator : SV125:dv
 Sample : L2555938-01,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 21:12:29 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250910RVT\		
Data File	: 55938-01.D	Operator	: SV125:dv
Date Inj'd	: 9/10/2025 2:14 pm	Instrument	: SV125
Sample	: L2555938-01,32,,csn	Quant Date	: 9/10/2025 2:31 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-02.D
 Acq On : 10 Sep 2025 02:31 pm
 Operator : SV125:dv
 Sample : L2555938-02,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 21:13:15 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.310	152	217178	4000.000	ng/ml	0.00
Standard Area 1 = 224293			Recovery	=	96.83%	
9) Naphthalene-d8	2.965	136	846472	4000.000	ng/ml	0.00
Standard Area 1 = 856626			Recovery	=	98.81%	
18) Acenaphthene-d10	3.930	164	490305	4000.000	ng/ml	0.00
Standard Area 1 = 485847			Recovery	=	100.92%	
23) Phenanthrene-d10	4.765	188	981125	4000.000	ng/ml	0.00
Standard Area 1 = 985427			Recovery	=	99.56%	
33) Chrysene-d12	6.300	240	894939	4000.000	ng/ml	0.00
Standard Area 1 = 873687			Recovery	=	102.43%	
38) Perylene-d12	7.370	264	856523	4000.000	ng/ml	0.00
Standard Area 1 = 895700			Recovery	=	95.63%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	52775	984.068	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	49.20%	
4) Phenol-d6	2.141	99	45910	692.928	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	34.65%	
8) Nitrobenzene-d5	2.588	82	42976	812.283	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	81.23%	
14) 2-Fluorobiphenyl	3.560	172	130923	757.889	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	75.79%	
22) 2,4,6-Tribromophenol	4.373	330	39206	2150.779	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	107.54%	
32) 4-Terphenyl-d14	5.681	244	197662	1005.286	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	100.53%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-02.D
 Acq On : 10 Sep 2025 02:31 pm
 Operator : SV125:dv
 Sample : L2555938-02,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 21:13:15 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

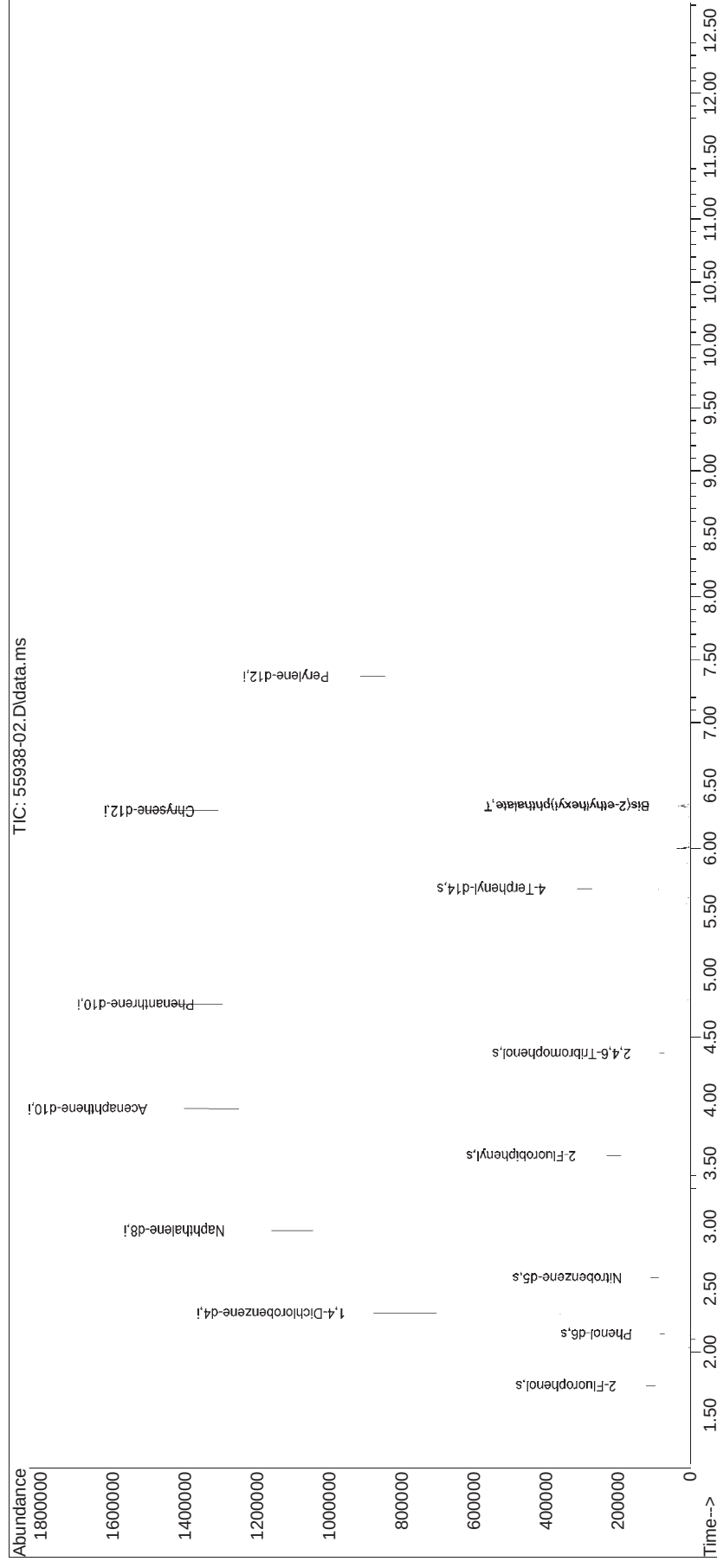
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-02.D
 Acq On : 10 Sep 2025 02:31 pm
 Operator : SV125:dv
 Sample : L2555938-02,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 21:13:15 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250910RVT\		
Data File	: 55938-02.D	Operator	: SV125:dv
Date Inj'd	: 9/10/2025 2:31 pm	Instrument	: SV125
Sample	: L2555938-02,32,,csn	Quant Date	: 9/10/2025 2:47 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-03.D
 Acq On : 10 Sep 2025 02:48 pm
 Operator : SV125:dv
 Sample : L2555938-03,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 21:13:59 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.310	152	207707	4000.000	ng/ml	0.00
Standard Area 1 = 224293			Recovery	=	92.61%	
9) Naphthalene-d8	2.965	136	813686	4000.000	ng/ml	0.00
Standard Area 1 = 856626			Recovery	=	94.99%	
18) Acenaphthene-d10	3.933	164	469140	4000.000	ng/ml	0.00
Standard Area 1 = 485847			Recovery	=	96.56%	
23) Phenanthrene-d10	4.765	188	933283	4000.000	ng/ml	0.00
Standard Area 1 = 985427			Recovery	=	94.71%	
33) Chrysene-d12	6.300	240	844608	4000.000	ng/ml	0.00
Standard Area 1 = 873687			Recovery	=	96.67%	
38) Perylene-d12	7.370	264	803235	4000.000	ng/ml	0.00
Standard Area 1 = 895700			Recovery	=	89.68%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	52875	1030.889	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	51.54%	
4) Phenol-d6	2.142	99	44158	696.875	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	34.84%	
8) Nitrobenzene-d5	2.588	82	43726	864.144	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	86.41%	
14) 2-Fluorobiphenyl	3.561	172	134017	807.059	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	80.71%	
22) 2,4,6-Tribromophenol	4.373	330	36769	2108.089	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	105.40%	
32) 4-Terphenyl-d14	5.682	244	184464	986.254	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	98.63%	
Target Compounds						
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	Qvalue
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-03.D
 Acq On : 10 Sep 2025 02:48 pm
 Operator : SV125:dv
 Sample : L2555938-03,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 21:13:59 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

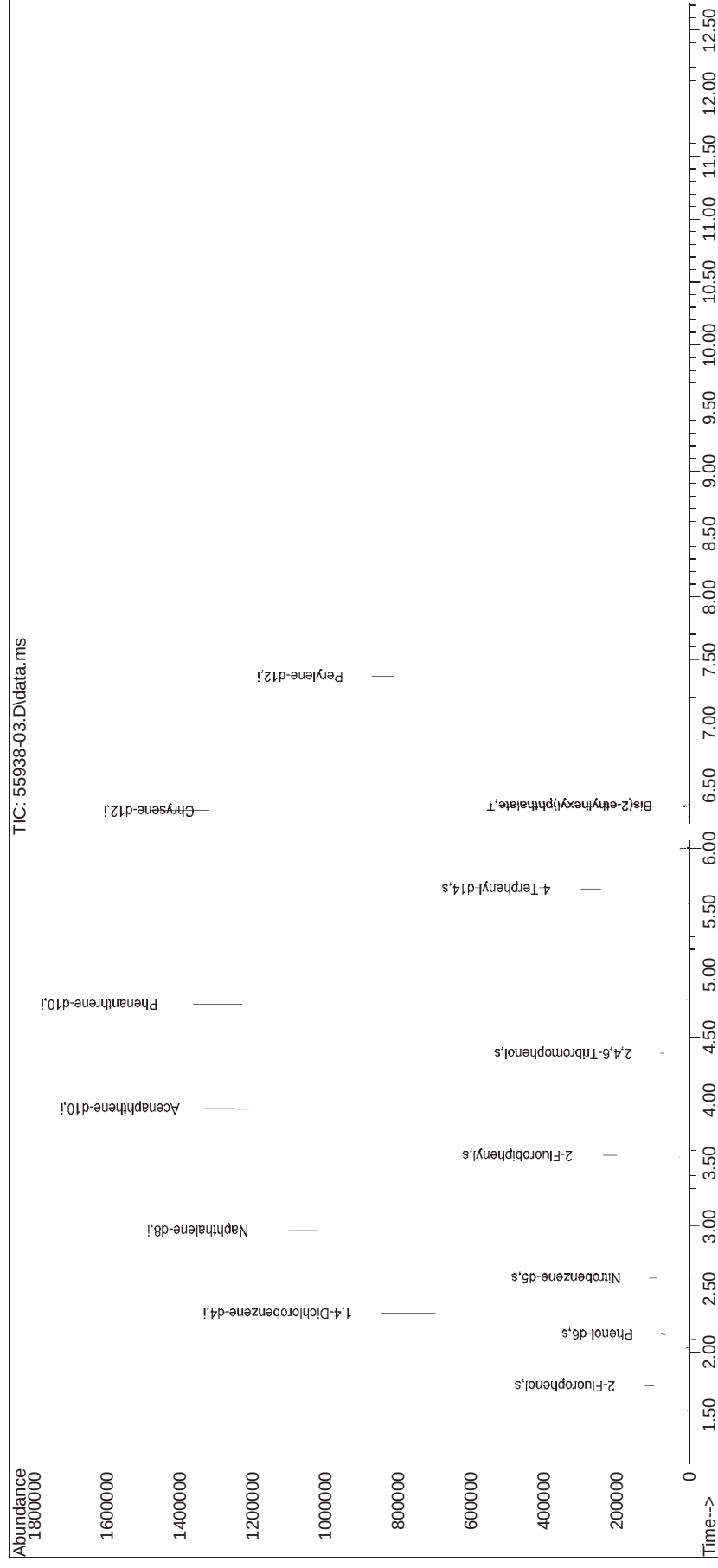
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-03.D
 Acq On : 10 Sep 2025 02:48 pm
 Operator : SV125:dv
 Sample : L2555938-03,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 21:13:59 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250910RVT\		
Data File	: 55938-03.D	Operator	: SV125:dv
Date Inj'd	: 9/10/2025 2:48 pm	Instrument	: SV125
Sample	: L2555938-03,32,,csn	Quant Date	: 9/10/2025 3:04 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-04.D
 Acq On : 10 Sep 2025 03:05 pm
 Operator : SV125:dv
 Sample : L2555938-04,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 21:18:21 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.308	152	205645	4000.000	ng/ml	0.00
Standard Area 1 = 224293			Recovery	=	91.69%	
9) Naphthalene-d8	2.965	136	804631	4000.000	ng/ml	0.00
Standard Area 1 = 856626			Recovery	=	93.93%	
18) Acenaphthene-d10	3.930	164	461890	4000.000	ng/ml	0.00
Standard Area 1 = 485847			Recovery	=	95.07%	
23) Phenanthrene-d10	4.762	188	919906	4000.000	ng/ml	0.00
Standard Area 1 = 985427			Recovery	=	93.35%	
33) Chrysene-d12	6.297	240	819869	4000.000	ng/ml	0.00
Standard Area 1 = 873687			Recovery	=	93.84%	
38) Perylene-d12	7.366	264	792804	4000.000	ng/ml	0.00
Standard Area 1 = 895700			Recovery	=	88.51%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	54494	1073.108	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	53.66%	
4) Phenol-d6	2.139	99	47071	750.295	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	37.51%	
8) Nitrobenzene-d5	2.588	82	43205	862.409	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	86.24%	
14) 2-Fluorobiphenyl	3.560	172	130993	797.726	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	79.77%	
22) 2,4,6-Tribromophenol	4.373	330	37055	2157.833	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	107.89%	
32) 4-Terphenyl-d14	5.681	244	183564	995.714	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	99.57%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0		N.D.	
7) Hexachloroethane	0.000		0		N.D.	
10) Naphthalene	0.000		0		N.D.	d
11) Hexachlorobutadiene	0.000		0		N.D.	
12) 2-Methylnaphthalene	0.000		0		N.D.	d
15) 2-Chloronaphthalene	0.000		0		N.D.	d
17) Acenaphthylene	0.000		0		N.D.	d
19) Acenaphthene	0.000		0		N.D.	d
21) Fluorene	0.000		0		N.D.	d
25) Hexachlorobenzene	0.000		0		N.D.	d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-04.D
 Acq On : 10 Sep 2025 03:05 pm
 Operator : SV125:dv
 Sample : L2555938-04,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 21:18:21 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

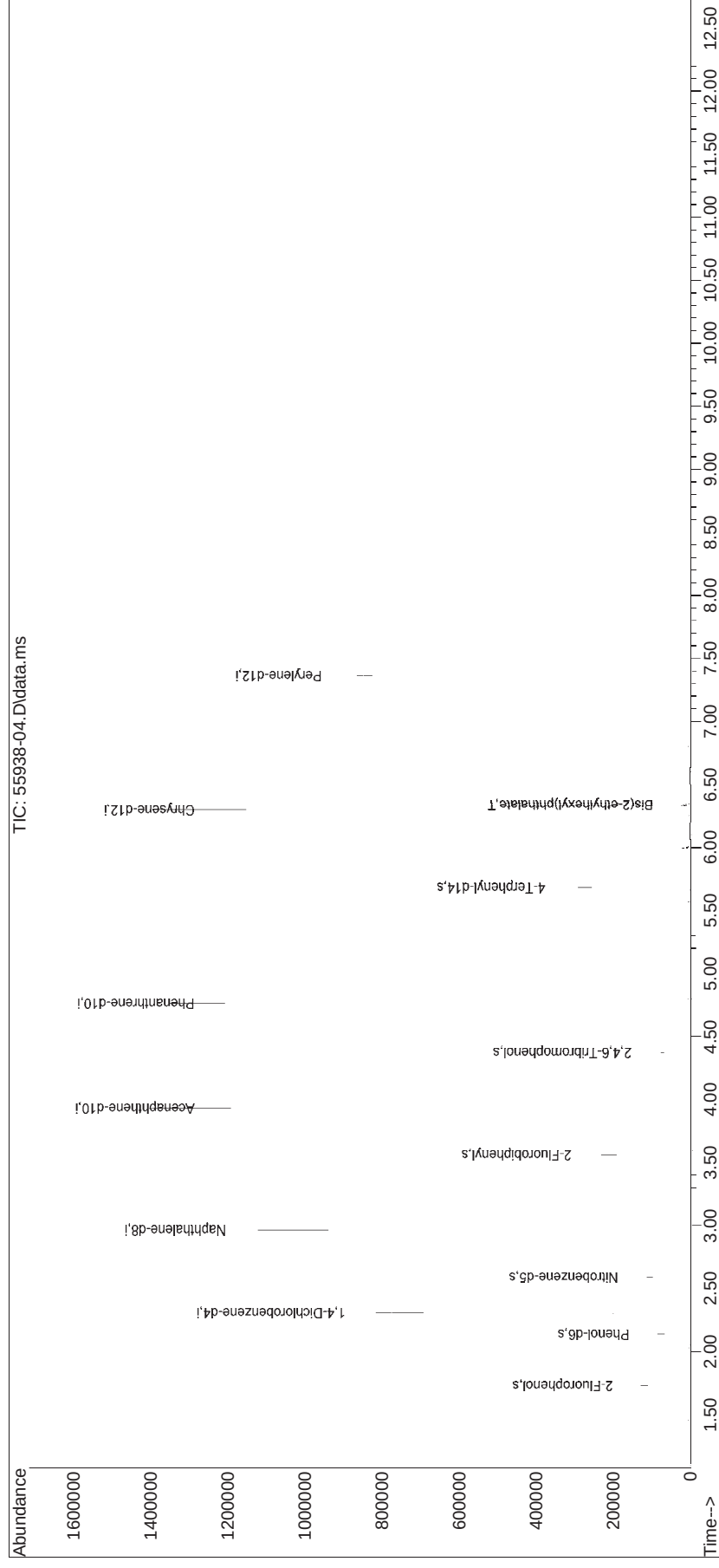
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-04.D
 Acq On : 10 Sep 2025 03:05 pm
 Operator : SV125:dv
 Sample : L2555938-04,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 21:18:21 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250910RVT\		
Data File	: 55938-04.D	Operator	: SV125:dv
Date Inj'd	: 9/10/2025 3:05 pm	Instrument	: SV125
Sample	: L2555938-04,32,,csn	Quant Date	: 9/10/2025 3:21 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-05.D
 Acq On : 10 Sep 2025 03:22 pm
 Operator : SV125:dv
 Sample : L2555938-05,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 21:19:12 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.308	152	222058	4000.000	ng/ml	0.00
Standard Area 1 = 224293			Recovery	=	99.00%	
9) Naphthalene-d8	2.965	136	865210	4000.000	ng/ml	0.00
Standard Area 1 = 856626			Recovery	=	101.00%	
18) Acenaphthene-d10	3.930	164	505153	4000.000	ng/ml	0.00
Standard Area 1 = 485847			Recovery	=	103.97%	
23) Phenanthrene-d10	4.765	188	1019644	4000.000	ng/ml	0.00
Standard Area 1 = 985427			Recovery	=	103.47%	
33) Chrysene-d12	6.300	240	889836	4000.000	ng/ml	0.00
Standard Area 1 = 873687			Recovery	=	101.85%	
38) Perylene-d12	7.372	264	848561	4000.000	ng/ml	0.00
Standard Area 1 = 895700			Recovery	=	94.74%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	60920	1110.980	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	55.55%	
4) Phenol-d6	2.139	99	51242	756.408	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	37.82%	
8) Nitrobenzene-d5	2.588	82	50555	934.534	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	93.45%	
14) 2-Fluorobiphenyl	3.560	172	151158	856.075	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	85.61%	
22) 2,4,6-Tribromophenol	4.373	330	41434	2206.193	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	110.31%#	
32) 4-Terphenyl-d14	5.681	244	201438	985.788	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	98.58%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.		
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-05.D
 Acq On : 10 Sep 2025 03:22 pm
 Operator : SV125:dv
 Sample : L2555938-05,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 21:19:12 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

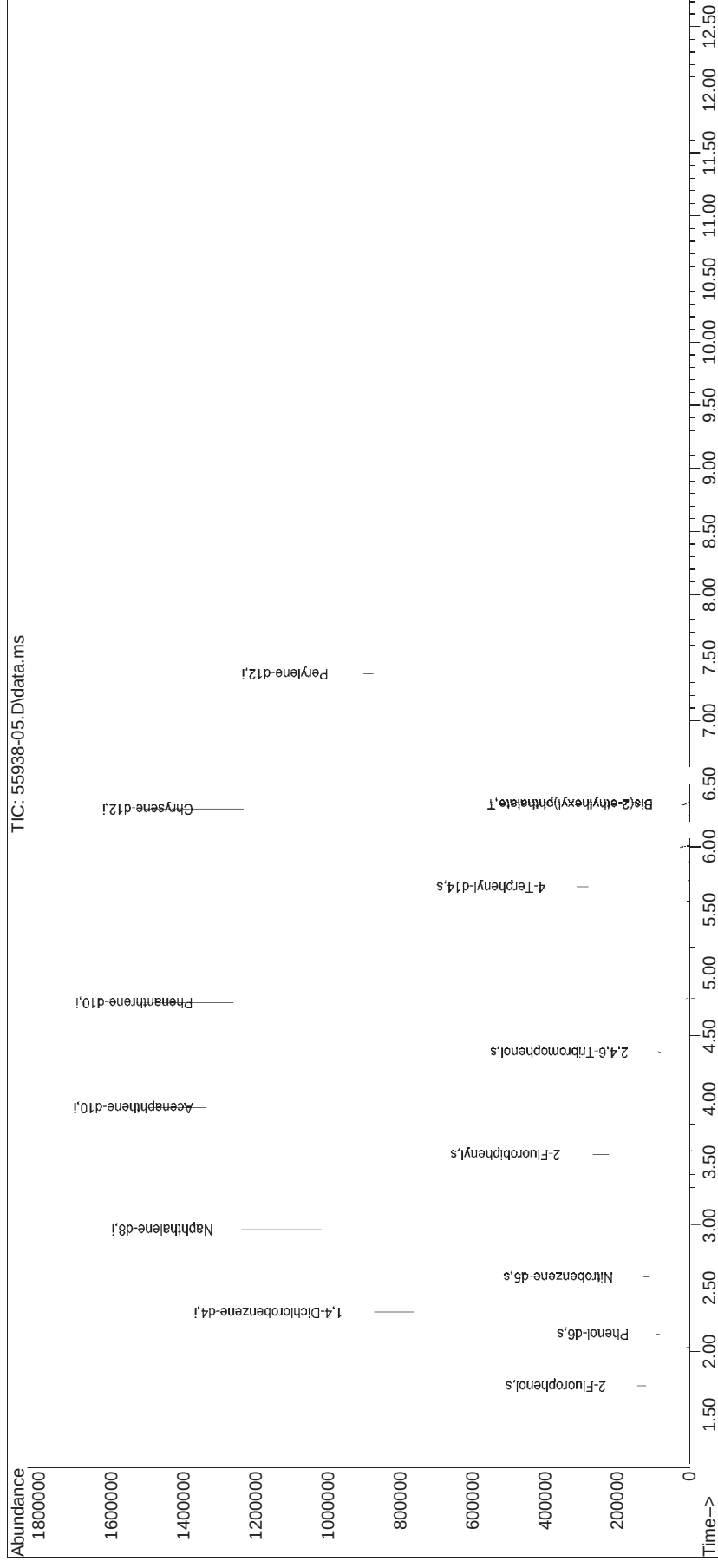
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 55938-05.D
 Acq On : 10 Sep 2025 03:22 pm
 Operator : SV125:dv
 Sample : L2555938-05,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 21:19:12 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\250910RVT\		
Data File	: 55938-05.D	Operator	: SV125:dv
Date Inj'd	: 9/10/2025 3:22 pm	Instrument	: SV125
Sample	: L2555938-05,32,,csn	Quant Date	: 9/10/2025 3:38 pm

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Calibration dates : 09/08/25 19:01 09/08/25 21:31

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22616

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1) i 1,4-Dichlorobenzene-d4	-----ISTD-----											
2) T N-Nitrosodimethylamine				0.620	0.638	0.645	0.678	0.664	0.665	0.626	0.648	3.34
3) s 2-Fluorophenol	0.942	0.947	0.946	0.957	0.960	0.994	1.053	1.058	1.048	0.971	0.988	4.81
4) s Phenol-d6	1.131	1.054	1.172	1.141	1.217	1.220	1.321	1.309	1.335	1.303	1.220	7.85
5) T bis(2-Chloroethyl)ether			1.100	1.042	1.099	1.071	1.158	1.137	1.122	1.074	1.100	3.46
6) T n-Nitrosodi-n-propylamine			0.719	0.713	0.701	0.694	0.752	0.746	0.768	0.757	0.731	3.80
7) t Hexachloroethane		0.543	0.519	0.504	0.497	0.490	0.506	0.497	0.493	0.469	0.502	4.07
8) s Nitrobenzene-d5	0.810	0.952	0.919	0.908	0.961	0.972	1.059	1.057	1.072	1.035	0.974	8.52
9) i Naphthalene-d8	-----ISTD-----											
10) t Naphthalene		1.240	1.126	1.090	1.045	1.031	1.034	1.008	1.000	0.947	1.058	8.09
11) t Hexachlorobutadiene		0.174	0.183	0.179	0.177	0.177	0.178	0.174	0.172	0.165	0.175	2.82
12) t 2-Methylnaphthalene		0.643	0.618	0.615	0.609	0.606	0.628	0.621	0.620	0.596	0.617	2.19
13) t 1-Methylnaphthalene		0.671	0.685	0.682	0.677	0.670	0.672	0.652	0.645	0.617	0.663	3.29
14) s 2-Fluorobiphenyl	0.813	0.830	0.860	0.863	0.840	0.830	0.831	0.796	0.774	0.726	0.816	5.09
15) t 2-Chloronaphthalene		0.697	0.695	0.698	0.700	0.694	0.702	0.688	0.694	0.667	0.693	1.49
16) t 2,6-Dinitrotoluene					0.103	0.108	0.133	0.135	0.150	0.139	0.128	14.36
17) t Acenaphthylene		1.050	1.060	1.065	1.076	1.078	1.167	1.141	1.146	1.074	1.095	3.97
18) i Acenaphthene-d10	-----ISTD-----											
19) t Acenaphthene		1.283	1.233	1.360	1.304	1.291	1.310	1.264	1.266	1.198	1.279	3.65
20) t 2,4-Dinitrotoluene					0.218	0.233	0.312	0.324	0.354	0.342	*L	0.9990
21) t Fluorene		1.475	1.423	1.424	1.416	1.425	1.502	1.442	1.443	1.338	1.432	3.15
22) s 2,4,6-Tribromophenol			0.111	0.111	0.132	0.145	0.174	0.170	0.177	0.170	0.149	18.69
23) i Phenanthrene-d10	-----ISTD-----											
24) T 4,6-Dinitro-o-cresol					0.038	0.051	0.076	0.083	0.093	0.096	*L	0.9973
25) t Hexachlorobenzene	0.205	0.217	0.223	0.226	0.222	0.219	0.224	0.217	0.216	0.202	0.217	3.61
26) t Pentachlorophenol					0.007	0.018	0.048	0.069	0.099	0.112	*Q	0.9950
27) t Phenanthrene			1.149	1.204	1.203	1.144	1.159	1.127	1.118	1.036	1.143	4.68
28) t Anthracene		1.118	1.123	1.062	1.092	1.078	1.138	1.100	1.091	1.009	1.090	3.52
29) t Fluoranthene		1.264	1.264	1.230	1.223	1.217	1.292	1.235	1.250	1.147	1.236	3.30
30) t Pyrene		1.293	1.282	1.264	1.260	1.256	1.343	1.293	1.269	1.153	1.268	4.00
31) T Benzidine						0.009	0.143	0.404	0.654	0.670	*L	0.9952
32) s 4-Terphenyl-d14	0.902	0.840	0.807	0.804	0.808	0.796	0.829	0.776	0.763	0.690	0.802	6.83
33) i Chrysene-d12	-----ISTD-----											
34) t Benzo[a]anthracene		0.826	0.544	0.434	0.381	0.375	0.391	0.383	0.399	0.378	*L	0.9994
35) t 3,3'-Dichlorobenzidine					0.310	0.347	0.479	0.493	0.538	0.527	*L	0.9991
36) t Chrysene		0.969	1.259	1.266	1.307	1.344	1.386	1.320	1.326	1.255	1.270	9.50



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Calibration dates : 09/08/25 19:01 09/08/25 21:31

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Ical Ref : ICAL22616

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
 L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) T bis(2-Ethylhexyl)phthalate					0.497	0.504	0.674	0.708	0.827	0.871	*Q	0.9990
38) i Perylene-d12	-----ISTD-----											
39) t Benzo[b]fluoranthene		1.185	1.348	1.204	1.195	1.217	1.344	1.260	1.304	1.331	1.265	5.34
40) t Benzo[k]fluoranthene		1.244	1.312	1.237	1.267	1.283	1.331	1.354	1.355	1.157	1.282	5.02
41) t Benzo[a]pyrene		0.995	1.098	1.043	1.064	1.088	1.197	1.180	1.229	1.174	1.119	7.12
42) t Indeno[1,2,3-cd]pyrene		0.957	1.131	0.980	0.980	1.001	1.114	1.119	1.154	1.129	1.063	7.59
43) t Dibenzo[a,h]anthracene			1.096	0.943	0.980	1.015	1.119	1.090	1.111	1.077	1.054	6.23
44) t Benzo[g,h,i]perylene		0.977	1.177	1.023	1.029	1.068	1.152	1.136	1.178	1.121	1.096	6.73



Method Path : I:\8270SIM\SV125\250908RVTical\
Method File : SIM-RVT_250908_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Sep 09 15:24:20 2025
Response Via : Initial Calibration

Calibration Files

L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD		
1) i 1,4-Dichlorobenzene-d4	-----ISTD-----													
2) t N-Nitrosodimethylamine	0.942	0.947	0.946	0.957	0.960	0.994	1.053	0.678	0.664	0.665	0.626	0.648	3.34	
3) s 2-Fluorophenol	1.131	1.054	1.172	1.141	1.217	1.220	1.321	1.309	1.048	0.971	0.988	4.81		
4) s Phenol-d6									1.303	1.335	1.303	1.220	7.85	
5) t bis(2-Chloroethyl)ether				1.100	1.042	1.099	1.071	1.158	1.137	1.122	1.074	1.100	3.46	
6) t n-Nitrosodi-n-propylamine				0.719	0.713	0.701	0.694	0.752	0.746	0.768	0.757	0.731	3.80	
7) t Hexachloroethane		0.543	0.519	0.504	0.497	0.490	0.506	0.497	0.493	0.469	0.502	4.07		
8) s Nitrobenzene-d5	0.810	0.952	0.919	0.908	0.961	0.972	1.059	1.057	1.072	1.035	0.974	8.52		
9) i Naphthalene-d8	-----ISTD-----													
10) t Naphthalene	1.240	1.126	1.090	1.045	1.031	1.034	1.034	1.008	1.000	0.947	1.058	8.09		
11) t Hexachlorobutadiene	0.174	0.183	0.179	0.177	0.177	0.177	0.178	0.174	0.172	0.165	0.175	2.82		
12) t 2-Methylnaphthalene	0.643	0.618	0.615	0.609	0.606	0.628	0.621	0.620	0.596	0.617	2.19			
13) t 1-Methylnaphthalene	0.671	0.685	0.682	0.677	0.670	0.672	0.672	0.652	0.645	0.617	0.663	3.29		
14) s 2-Fluorobiphenyl	0.813	0.830	0.860	0.863	0.840	0.830	0.831	0.796	0.774	0.726	0.816	5.09		
15) t 2-Chloronaphthalene	0.697	0.695	0.698	0.700	0.694	0.702	0.688	0.694	0.667	0.693	1.49			
16) t 2,6-Dinitrotoluene				0.103	0.108	0.133	0.135	0.150	0.139	0.128	14.36			
17) t Acenaphthylene	1.050	1.060	1.065	1.076	1.076	1.078	1.167	1.141	1.146	1.074	1.095	3.97		
18) i Acenaphthene-d10	-----ISTD-----													
19) t Acenaphthene	1.283	1.233	1.360	1.304	1.291	1.310	1.264	1.266	1.198	1.279	3.65			
20) t 2,4-Dinitrotoluene				0.218	0.233	0.312	0.324	0.354	0.342	*L	0.9990			
21) t Fluorene	1.475	1.423	1.424	1.416	1.425	1.502	1.442	1.443	1.338	1.432	3.15			
22) s 2,4,6-Tribromophenol		0.111	0.111	0.132	0.145	0.174	0.170	0.177	0.170	0.149	18.69			
23) i Phenanthrene-d10	-----ISTD-----													
24) t 4,6-Dinitro-o-cresol	0.205	0.217	0.223	0.226	0.222	0.219	0.224	0.217	0.216	0.202	0.217	3.61		
25) t Hexachlorobenzene				0.067	0.018	0.048	0.069	0.099	0.112	*Q	0.9950			
26) t Pentachlorophenol				1.149	1.204	1.203	1.144	1.159	1.127	1.118	1.036	1.143	4.68	
27) t Phenanthrene				1.118	1.123	1.062	1.092	1.078	1.138	1.100	1.091	1.009	1.090	3.52
28) t Anthracene				1.264	1.264	1.230	1.223	1.217	1.292	1.235	1.250	1.147	1.236	3.30
29) t Fluoranthene				1.293	1.282	1.264	1.260	1.256	1.343	1.293	1.269	1.153	1.268	4.00
30) t Pyrene							0.009	0.143	0.404	0.654	0.670	*L	0.9952	
31) t Benzidine							0.009	0.143	0.404	0.654	0.670	*L	0.9952	
32) s 4-Terphenyl-d14	0.902	0.840	0.807	0.804	0.808	0.796	0.829	0.776	0.763	0.690	0.802	6.83		
33) i Chrysene-d12	-----ISTD-----													
34) t Benzo[a]anthracene		0.826	0.544	0.434	0.381	0.375	0.391	0.383	0.399	0.378	*L	0.9994		
35) t 3,3'-dichlorobenzidine				0.310	0.347	0.479	0.493	0.538	0.527	*L	0.9991			
36) t Chrysene	0.969	1.259	1.266	1.307	1.344	1.386	1.320	1.326	1.255	1.270	9.50			
37) t bis(2-Ethylhexyl)phthalate					0.497	0.504	0.674	0.708	0.827	0.871	*Q	0.9990		
38) i Perylene-d12	-----ISTD-----													
39) t Benzo[b]fluora...	1.185	1.348	1.204	1.195	1.217	1.344	1.260	1.304	1.331	1.265	5.34			
40) t Benzo[k]fluora...	1.244	1.312	1.237	1.267	1.283	1.331	1.354	1.355	1.157	1.282	5.02			
41) t Benzo[a]pyrene	0.995	1.098	1.043	1.064	1.088	1.197	1.180	1.229	1.174	1.119	7.12			
42) t Indeno[1,2,3-c...	0.957	1.131	0.980	0.980	1.001	1.114	1.119	1.154	1.129	1.063	7.59			
43) t Dibenzo[a,h]anthracene		1.096	0.943	0.980	1.015	1.119	1.090	1.111	1.077	1.054	6.23			
44) t Benzo[g,h,i]pe...	0.977	1.177	1.023	1.029	1.068	1.152	1.136	1.178	1.121	1.096	6.73			
#) = out of Range														

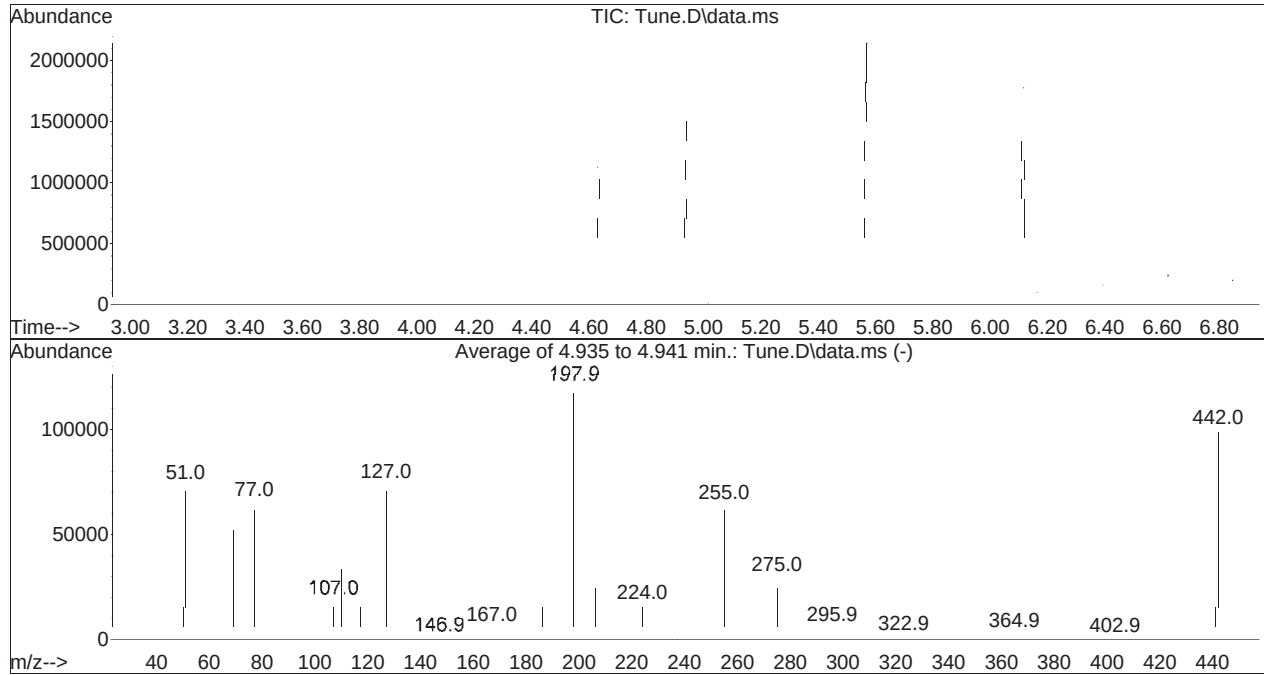
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : Tune.D
 Acq On : 08 Sep 2025 06:17 pm
 Operator : SV125:ljg
 Sample : TUNE #11473
 Misc : WG2112310,,
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 09 07:49:30 2025



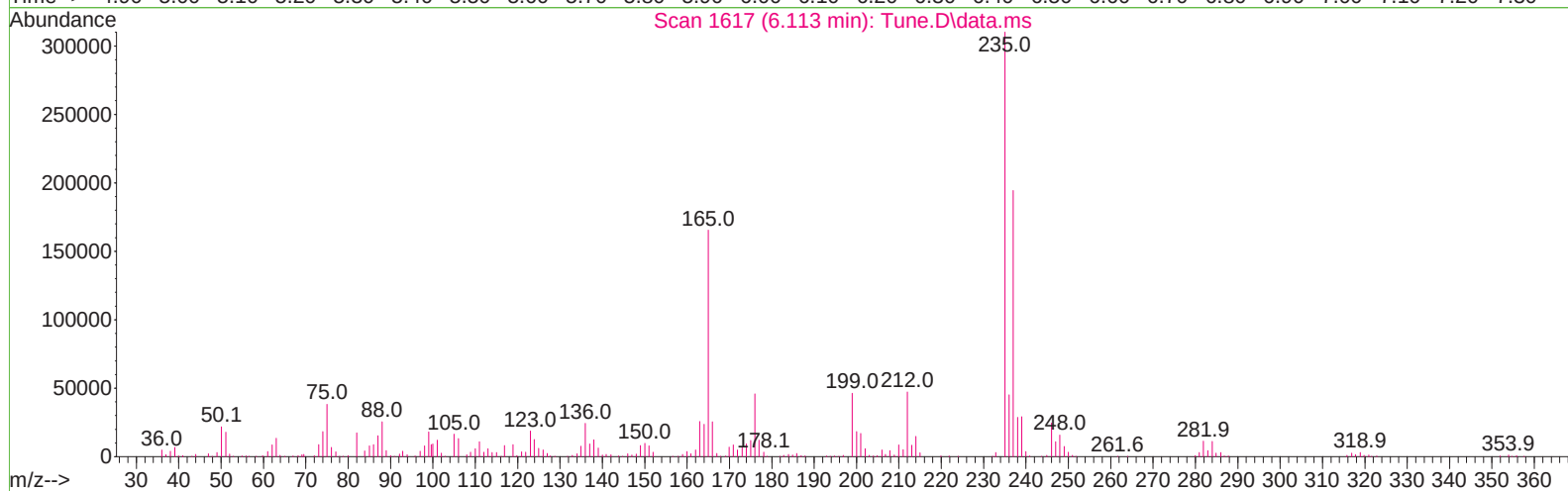
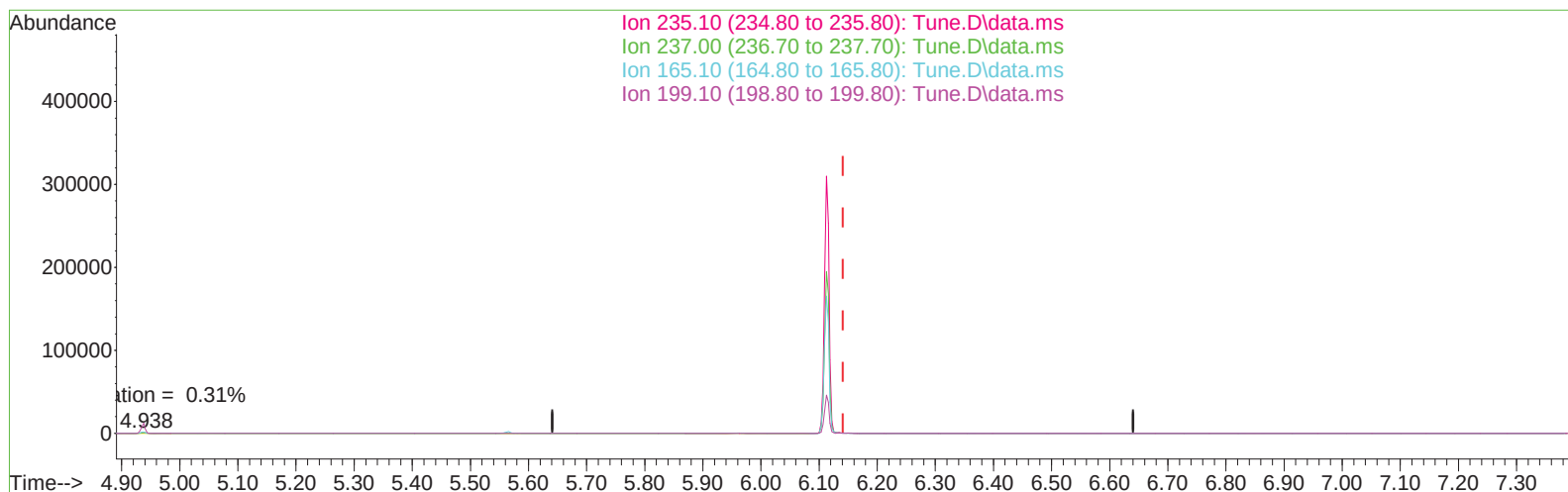
Spectrum Information: Average of 4.935 to 4.941 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	59.2	74432	PASS
68	69	0.00	2	0.8	465	PASS
69	69	100	100	100.0	58419	PASS
70	69	0.00	2	0.5	266	PASS
127	198	10	80	59.3	74637	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	125819	PASS
199	198	5	9	6.8	8503	PASS
275	198	10	60	24.1	30341	PASS
365	198	1	100	2.7	3434	PASS
441	442	0.01	24	17.5	17587	PASS
442	198	50	100	79.8	100360	PASS
443	442	15	24	19.1	19161	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : Tune.D
 Acq On : 08 Sep 2025 06:17 pm
 Operator : SV125:ljj
 Sample : TUNE #11473
 Misc : WG2112310,,
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 08 18:38:08 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 25 10:44:55 2025
 Response via : Continuing Cal File:



CHROMtools™ [TUNE #11473]

(6) ddt (T)

6.113min (-0.028) 28.52

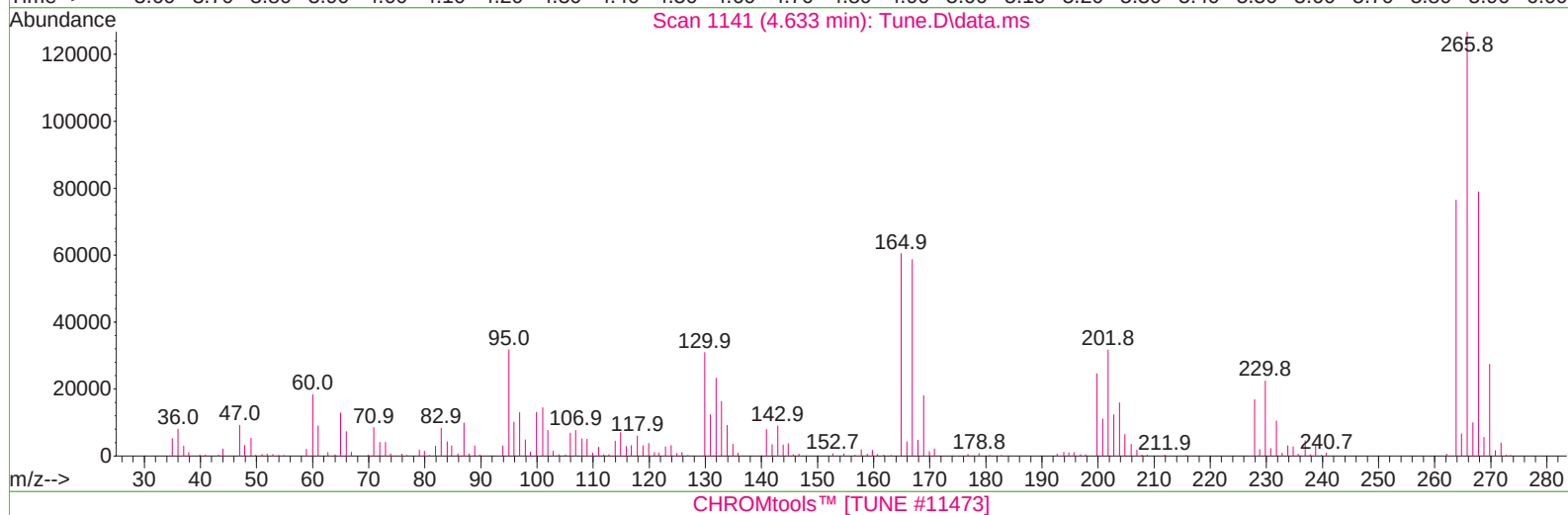
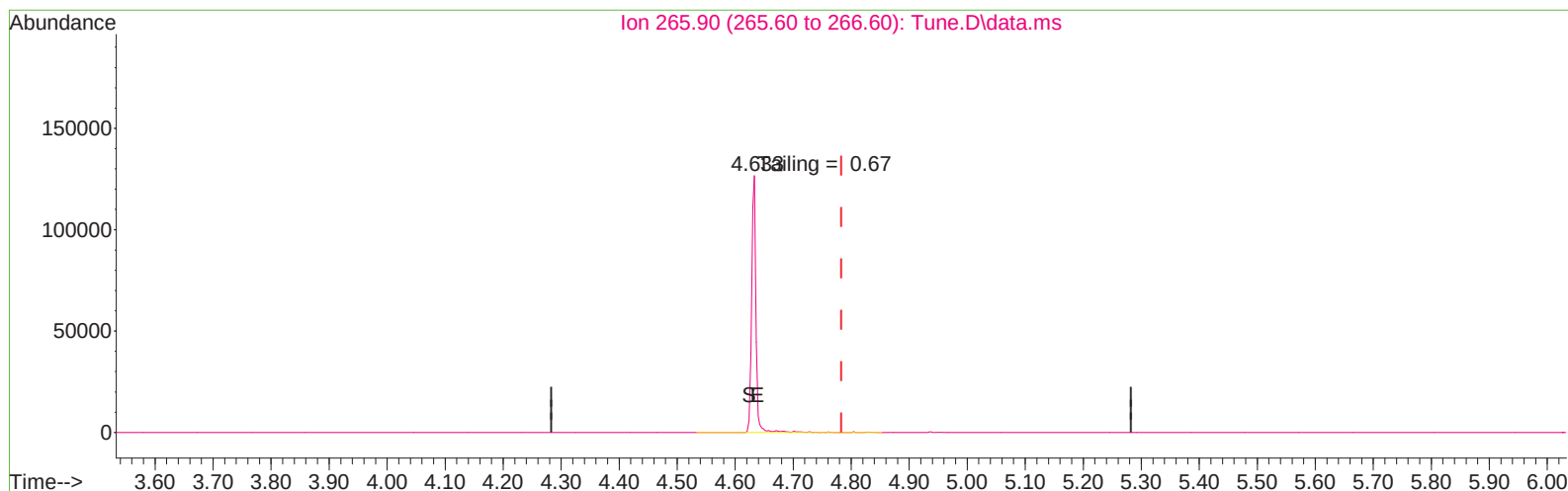
response 173880

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.41
165.10	53.30	54.45
199.10	17.10	14.81

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : Tune.D
 Acq On : 08 Sep 2025 06:17 pm
 Operator : SV125:ljj
 Sample : TUNE #11473
 Misc : WG2112310,,
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 08 18:38:08 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 25 10:44:55 2025
 Response via : Continuing Cal File:



CHROMtools™ [TUNE #11473]

(1) pentachlorophenol (T)

4.633min (-0.150) 30.83

response 64747

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL10.D
 Acq On : 08 Sep 2025 07:01 pm
 Operator : SV125:ljl
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2112310,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 14:53:19 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:37 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.291	152	328516	4000.000	ng/ml	-0.02
Standard Area 1 = 322973			Recovery	= 101.72%		
9) Naphthalene-d8	2.955	136	1292602	4000.000	ng/ml	-0.02
Standard Area 1 = 1270390			Recovery	= 101.75%		
18) Acenaphthene-d10	3.929	164	736941	4000.000	ng/ml	-0.01
Standard Area 1 = 721721			Recovery	= 102.11%		
23) Phenanthrene-d10	4.772	188	1398037	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	= 100.25%		
33) Chrysene-d12	6.449	240	1114873M1	4000.000	ng/ml	0.12
Standard Area 1 = 1178823			Recovery	= 94.58%		
38) Perylene-d12	7.538	264	1117108M1	4000.000	ng/ml	0.14
Standard Area 1 = 1143832			Recovery	= 97.66%		
System Monitoring Compounds						
3) 2-Fluorophenol	1.701	112	398831	4916.377	ng/ml	-0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 245.82%#		
4) Phenol-d6	2.111	99	535153	5339.714	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 266.99%#		
8) Nitrobenzene-d5	2.574	82	425033	5310.844	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 531.08%#		
14) 2-Fluorobiphenyl	3.556	172	1173341	4447.969	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 444.80%#		
22) 2,4,6-Tribromophenol	4.374	330	156427	5709.375	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 285.47%#		
32) 4-Terphenyl-d14	5.757	244	1206411M1	4305.933	ng/ml	0.06
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 430.59%#		
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.210	74	257246	4833.219	ng/mL	98
5) Bis(2-chloroethyl)ether	2.161	93	440995	4880.311	ng/ml	99
6) n-nitrosodi-n-propylamine	2.499	70	310718M6	5175.026	ng/ml	
7) Hexachloroethane	2.549	117	192444	4668.792	ng/ml	100
10) Naphthalene	2.965	128	1529601	4475.062	ng/ml	99
11) Hexachlorobutadiene	3.041	225	266602	4707.953	ng/ml	100
12) 2-Methylnaphthalene	3.345	142	963199	4828.298	ng/ml	99
13) 1-Methylnaphthalene	3.400	142	996165	4647.900	ng/ml	99
15) 2-Chloronaphthalene	3.614	162	1078328	4816.373	ng/ml	99
16) 2,6-Dinitrotoluene	3.816	165	223803M6	5415.259	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL10.D
 Acq On : 08 Sep 2025 07:01 pm
 Operator : SV125:ljpg
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2112310,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 14:53:19 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:37 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.846	152	1734824	4901.038	ng/ml	99
19)	Acenaphthene	3.947	153	1103531	4683.893	ng/ml	97
20)	2,4-Dinitrotoluene	4.041	165	314814	4981.889	ng/ml	95
21)	Fluorene	4.237	166	1232563	4671.850	ng/ml	98
24)	4,6-Dinitro-o-cresol	4.274	198	167580	5136.345	ng/ml	97
25)	Hexachlorobenzene	4.554	284	353590M6	4658.391	ng/ml	
26)	Pentachlorophenol	4.669	266	196016	4927.171	ng/ml	99
27)	Phenanthrene	4.784	178	1810249	4533.299	ng/ml	99
28)	Anthracene	4.817	178	1762676	4627.106	ng/ml	99
29)	Fluoranthene	5.503	202	2004359M1	4641.383	ng/ml	
30)	Pyrene	5.645	202	2014829M1	4545.740	ng/ml	
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.438	226	526426M4	4912.675	ng/ml	
35)	3,3'-Dichlorobenzidine	6.435	252	734308M4	5005.835	ng/ml	
36)	Chrysene	6.465	228	1749511M6	4941.683	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.500	149	1213357M6	4967.471	ng/ml	
39)	Benzo[b]fluoranthene	7.212	252	1858724M6	5259.705	ng/ml	
40)	Benzo[k]fluoranthene	7.235	252	1615186M4	4510.455	ng/ml	
41)	Benzo[a]pyrene	7.485	252	1639089M6	5247.056	ng/ml	
42)	Indeno[1,2,3-cd]pyrene	8.623	276	1576607M4	5311.793	ng/ml	
43)	Dibenzo[a,h]anthracene	8.661	278	1503245M6	5108.083	ng/ml	
44)	Benzo[g,h,i]perylene	8.931	276	1565500M6	5116.314	ng/ml	

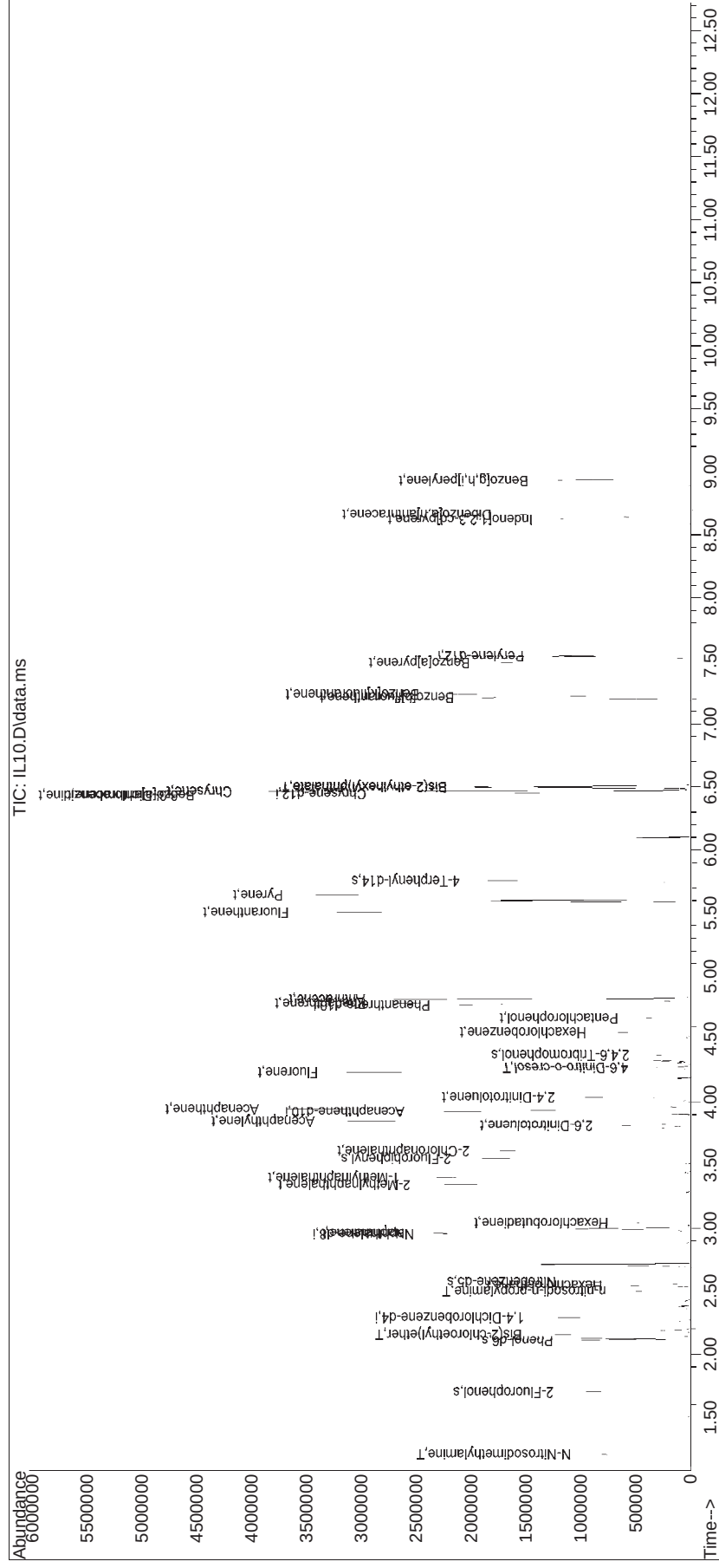
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL10.D
 Acq On : 08 Sep 2025 07:01 pm
 Operator : SV125:ljjg
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2112310,,
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 14:53:19 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 14:37:37 2025
 Response via : Initial Calibration

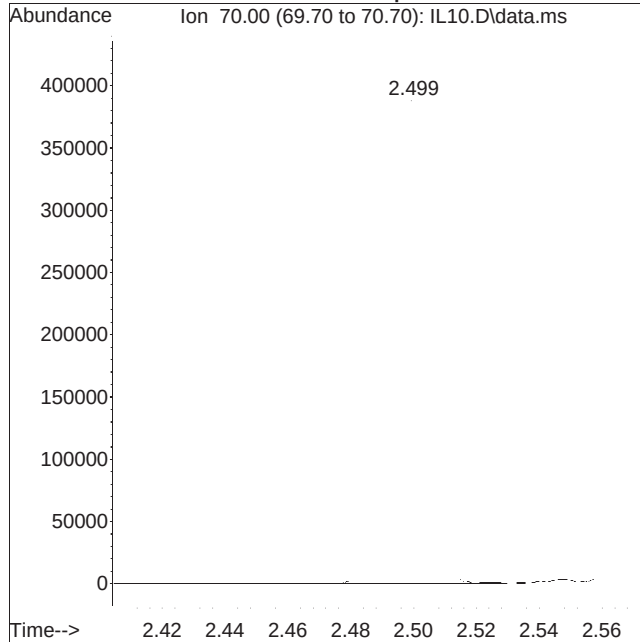
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

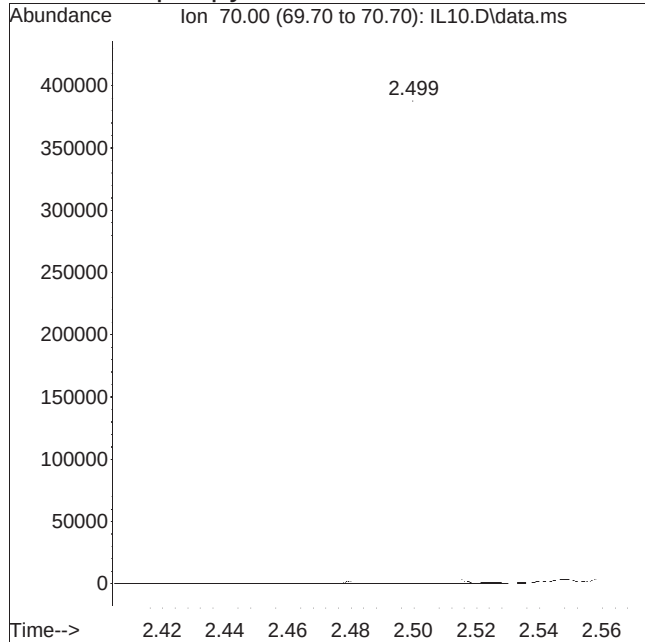
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #6: n-nitrosodi-n-propylamine



Original Peak Response = 377123

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

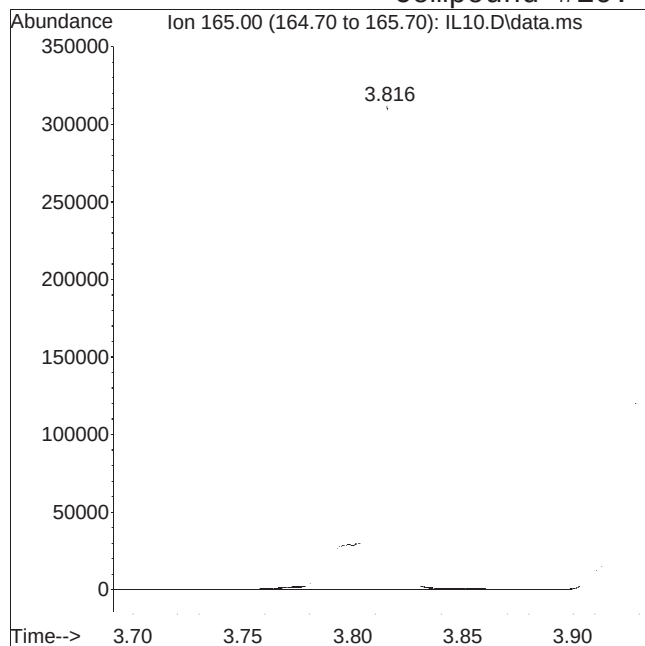


Manual Peak Response = 310718 M6

Manual Integration Report

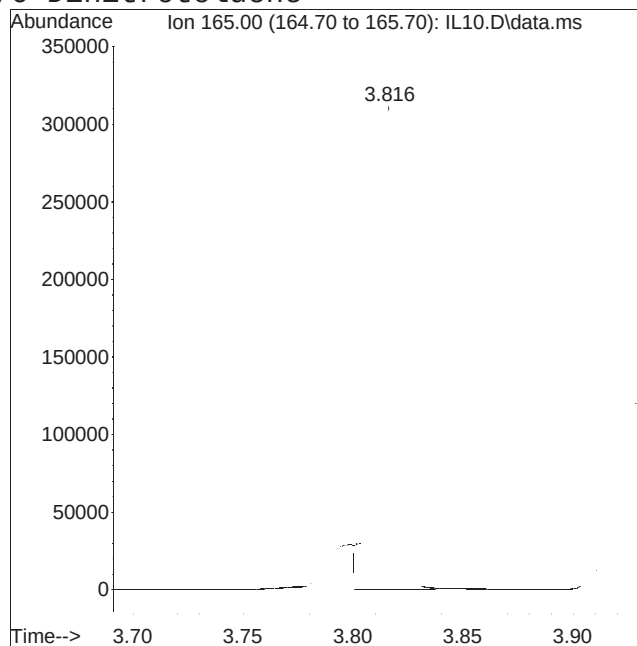
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 292258

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

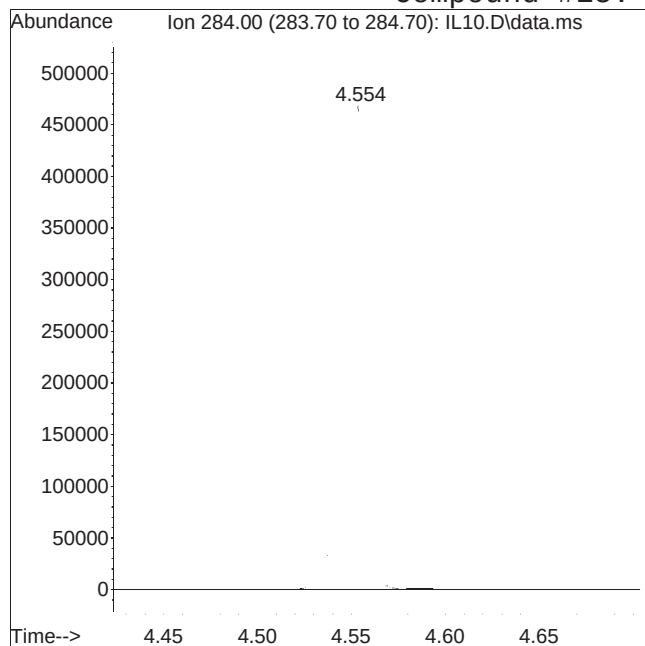


Manual Peak Response = 223803 M6

Manual Integration Report

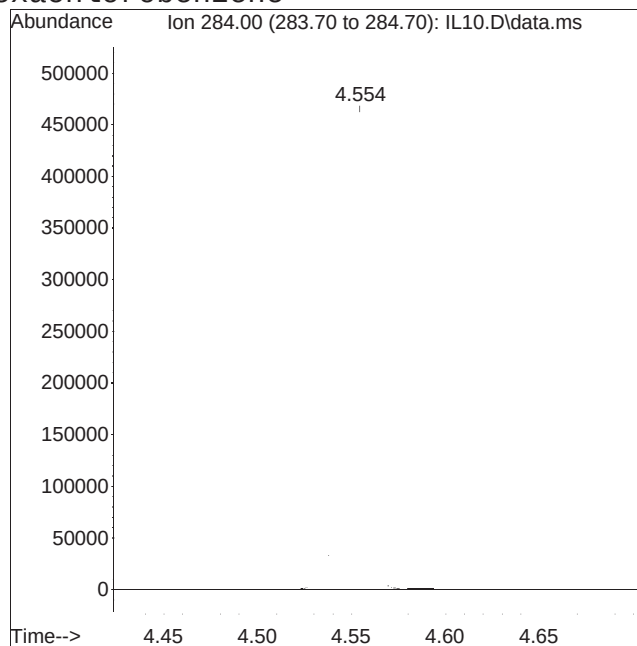
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 401834

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

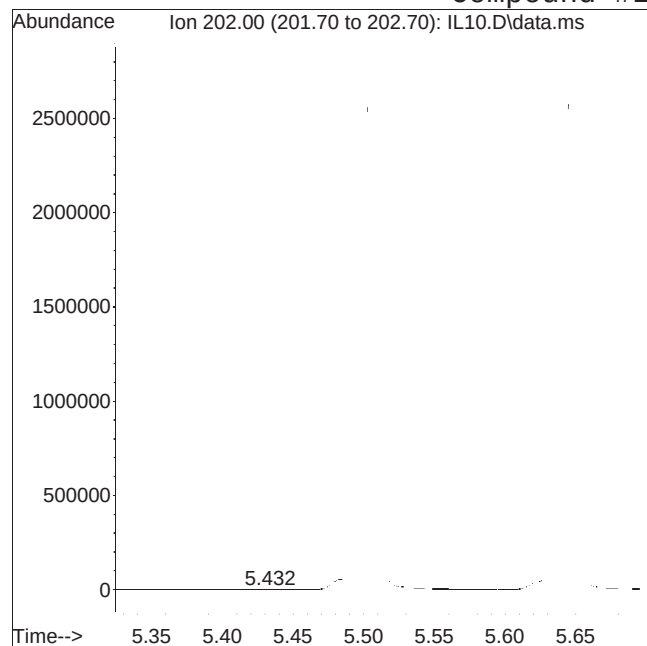


Manual Peak Response = 353590 M6

Manual Integration Report

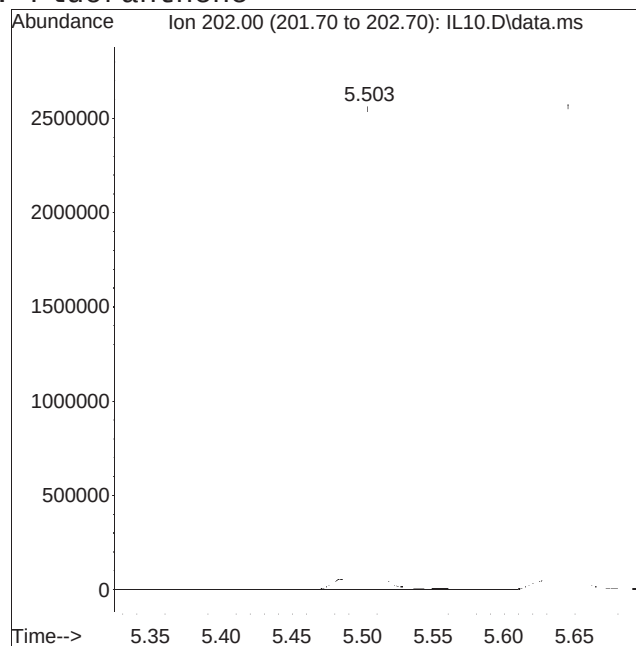
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #29: Fluoranthene



Original Peak Response = 52

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

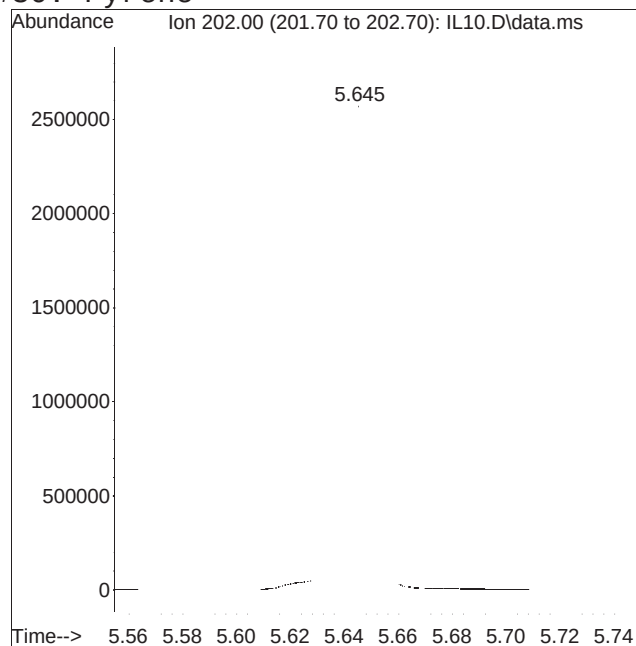
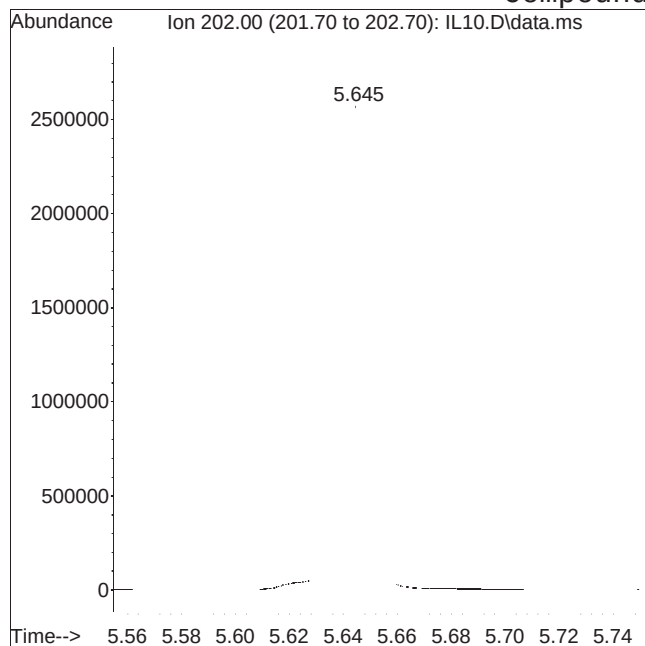


Manual Peak Response = 2004359 M1

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #30: Pyrene



Original Peak Response = 1998891

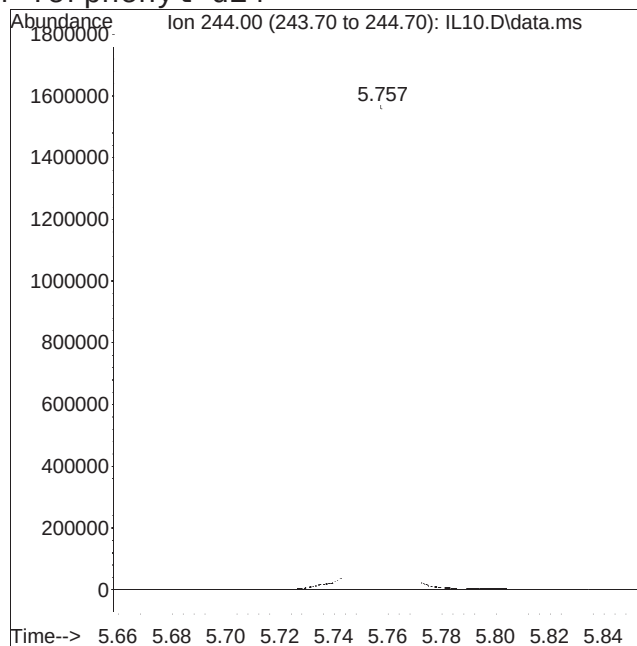
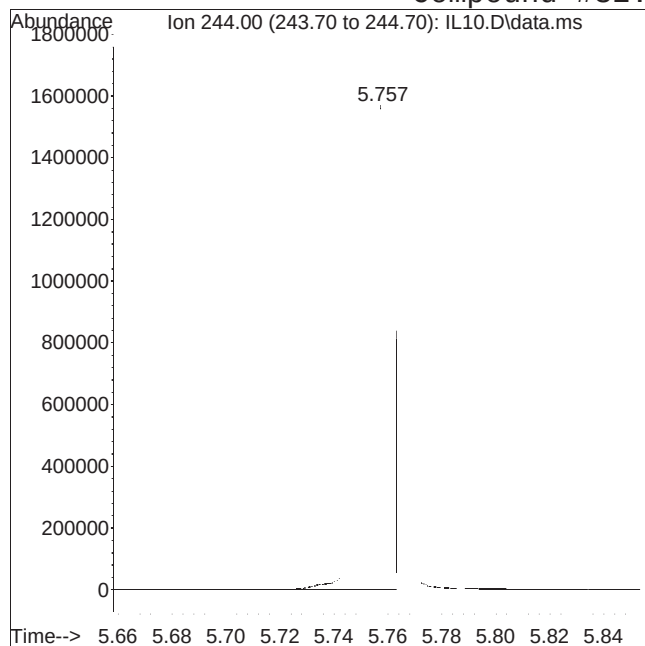
Manual Peak Response = 2014829 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : IL10.D
Date Inj'd : 9/8/2025 7:01 pm
Sample : IL10,32,,5 Lot# 11697
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #32: 4-Terphenyl-d14



Original Peak Response = 1117755

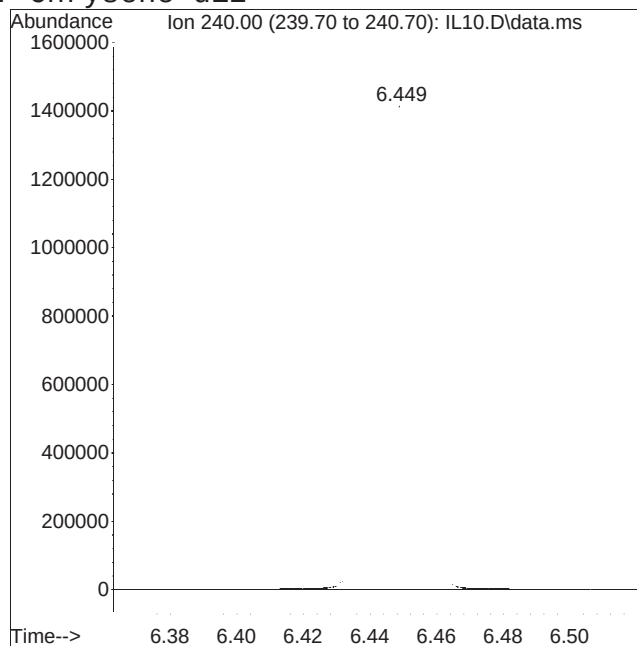
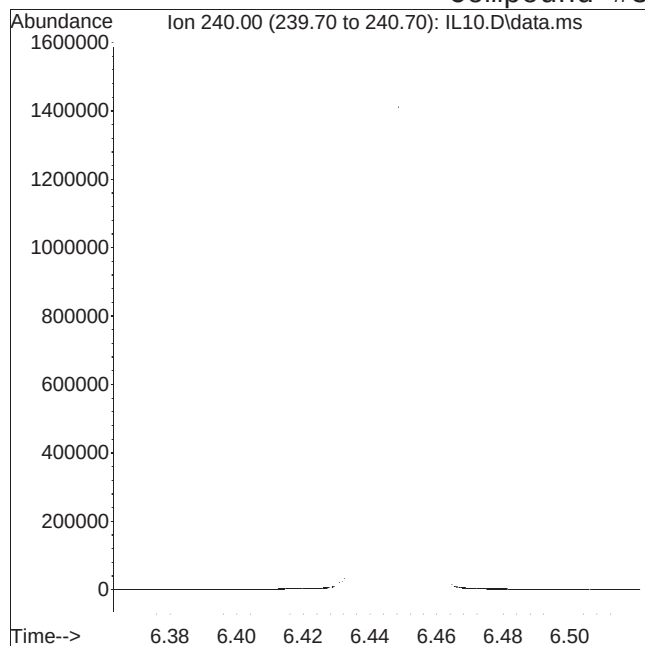
Manual Peak Response = 1206411 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01\Method : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #33: Chrysene-d12



Original Peak Response = 0

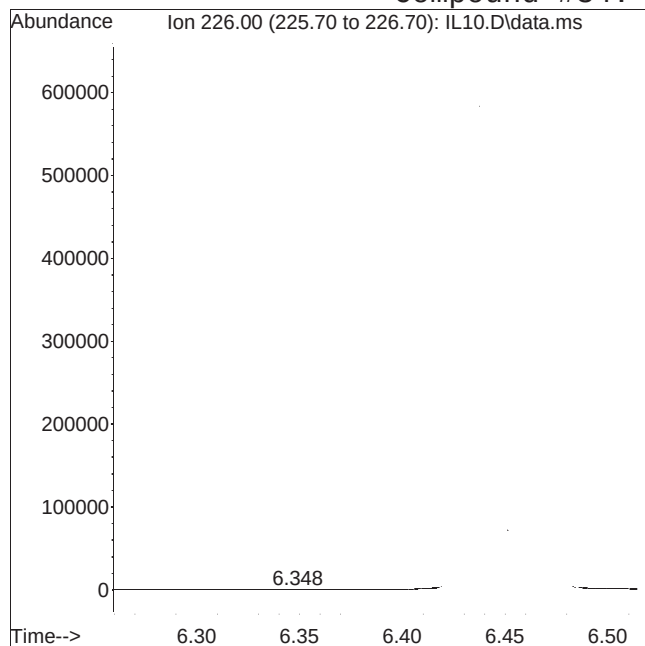
Manual Peak Response = 1114873 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

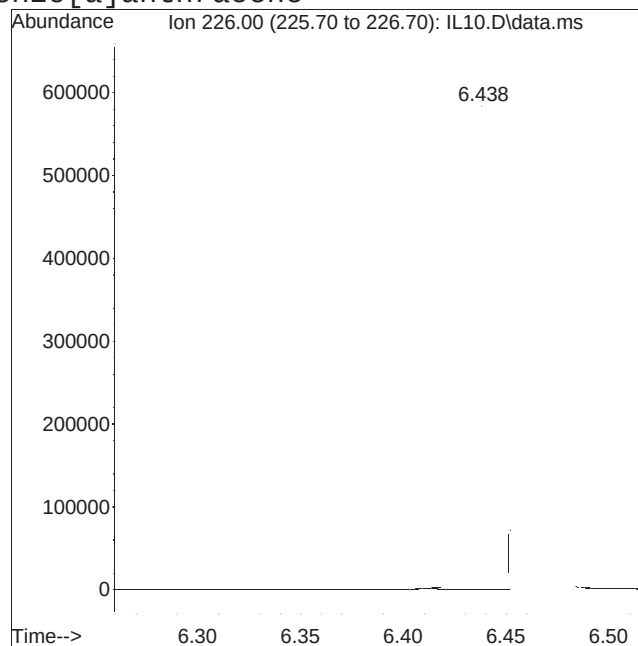
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #34: Benzo[a]anthracene



Original Peak Response = 143



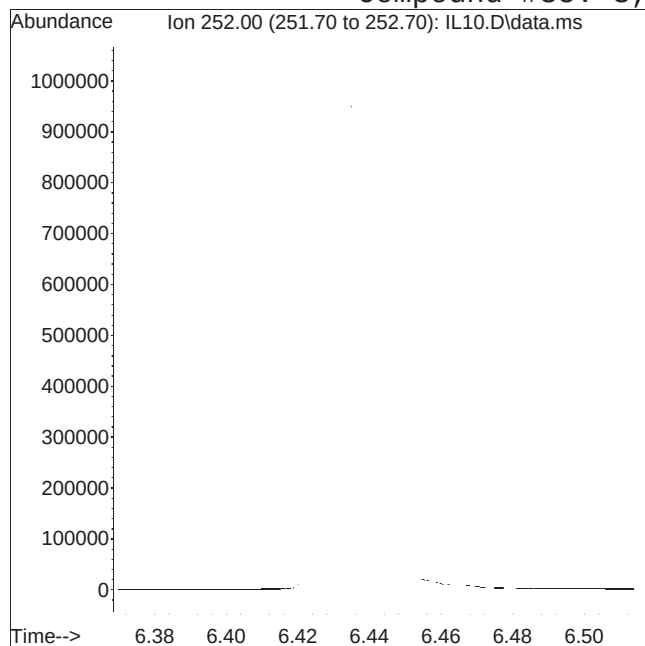
Manual Peak Response = 526426 M4

M4 = Poor automated baseline construction.

Manual Integration Report

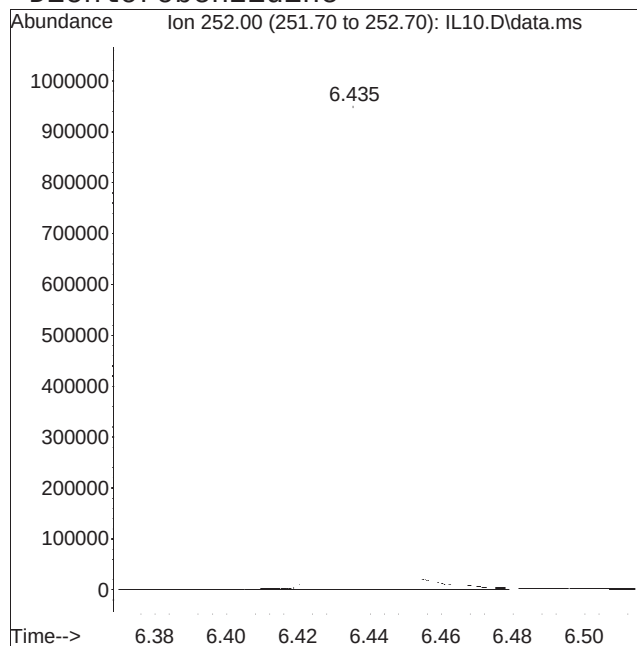
Data Path : I:\8270SIM\SV125\250908RVT\data.ms
Data File : IL10.D
Date Inj'd : 9/8/2025 7:01 pm
Sample : IL10,32,,5 Lot# 11697
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #35: 3,3'-Dichlorobenzidine



Original Peak Response = 0

M4 = Poor automated baseline construction.

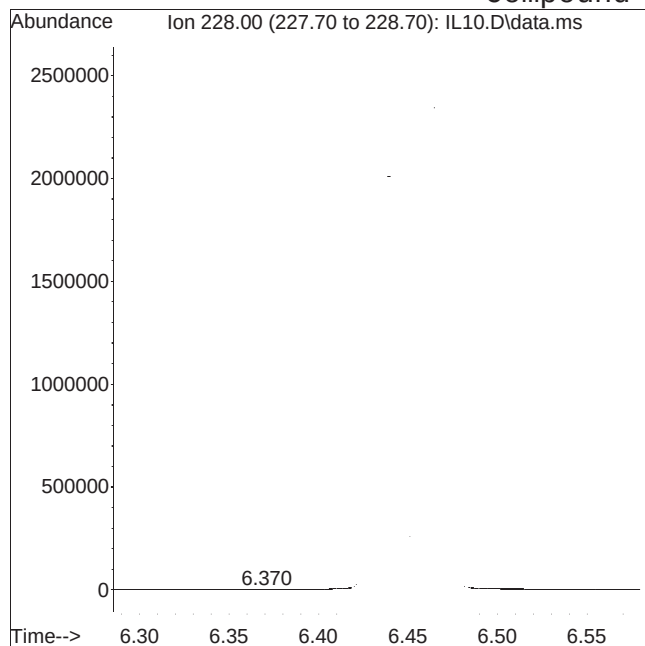


Manual Peak Response = 734308 M4

Manual Integration Report

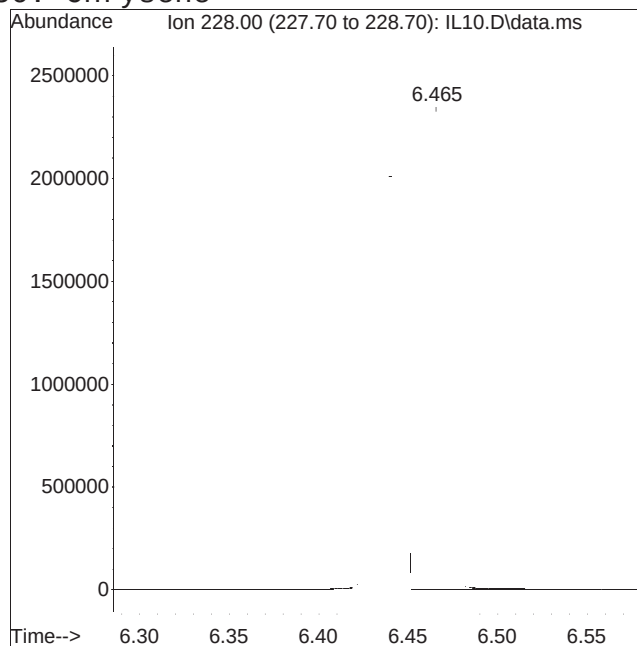
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #36: Chrysene



Original Peak Response = 166

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

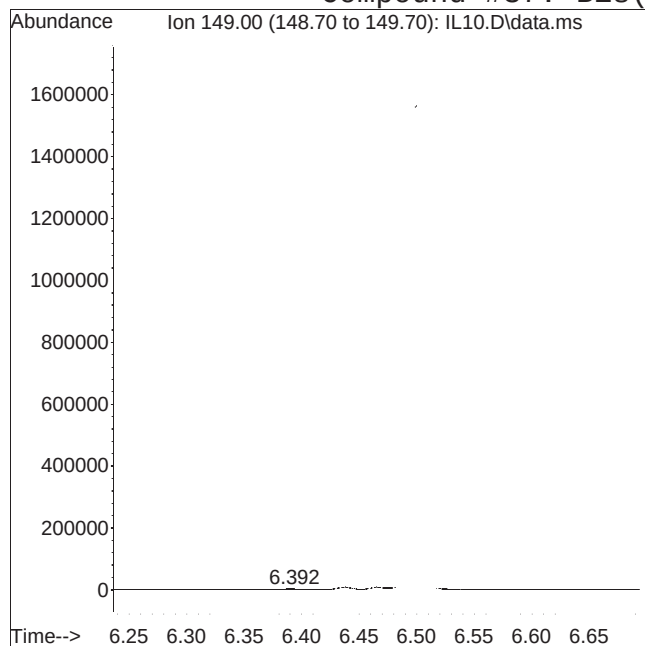


Manual Peak Response = 1749511 M6

Manual Integration Report

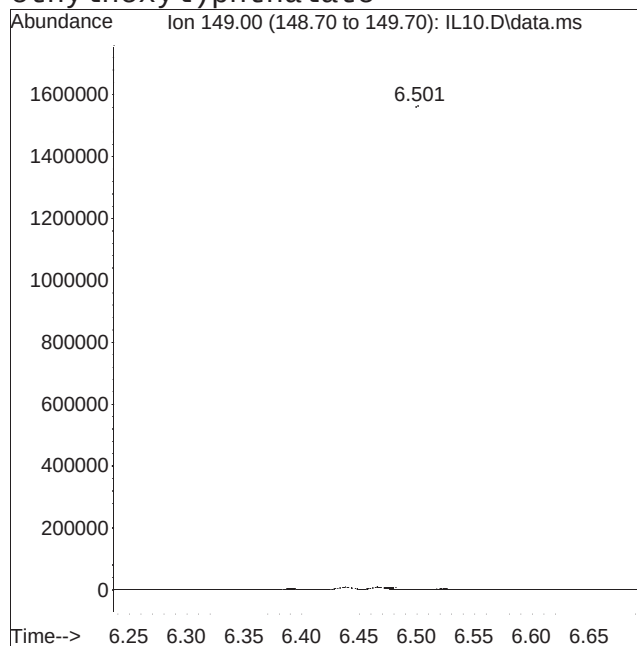
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 2032

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

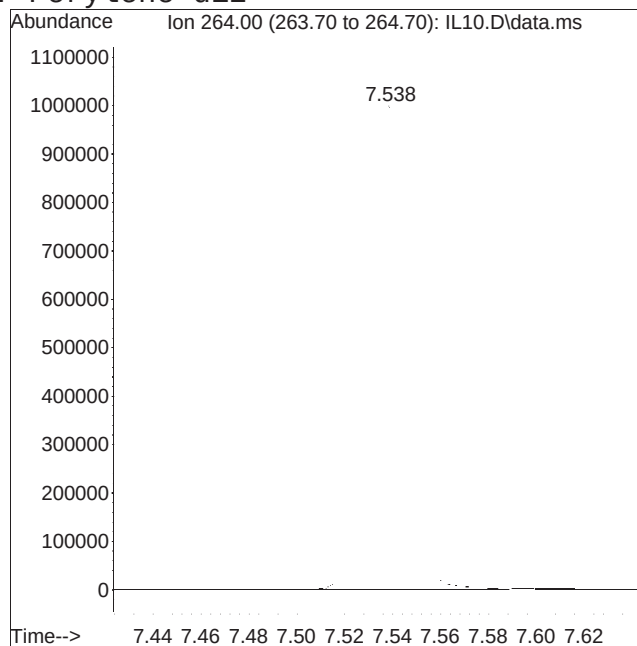
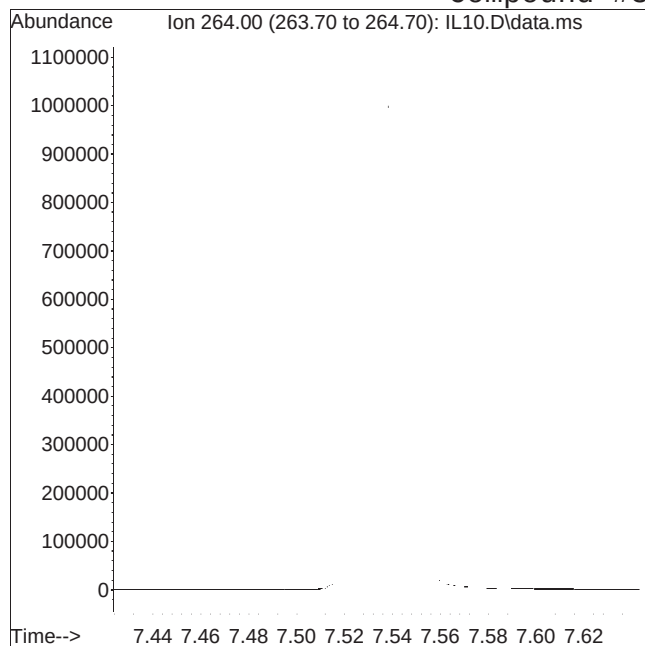


Manual Peak Response = 1213357 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
 Data File : IL10.D Operator : SV125:ljj
 Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
 Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #38: Perylene-d12



Original Peak Response = 0

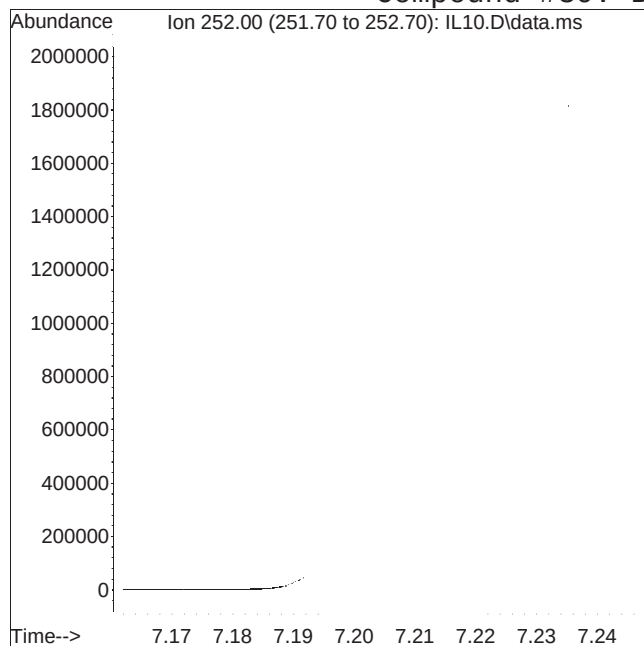
Manual Peak Response = 1117108 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

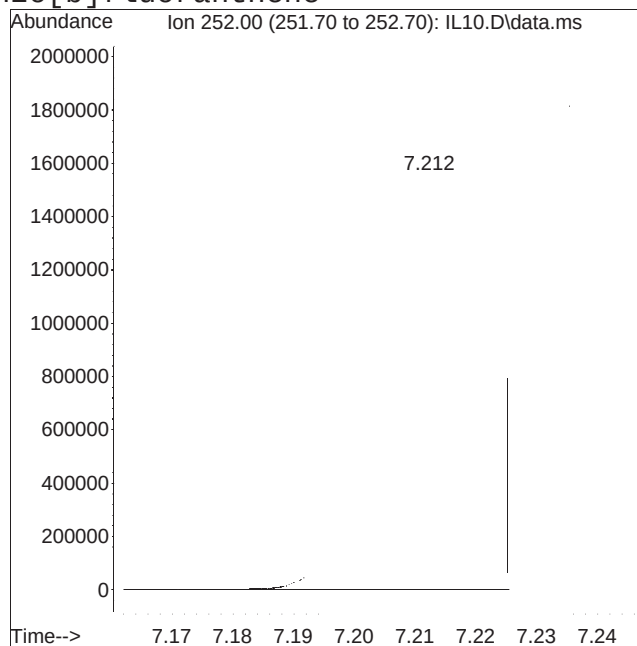
Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #39: Benzo[b]fluoranthene



Original Peak Response = 0

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

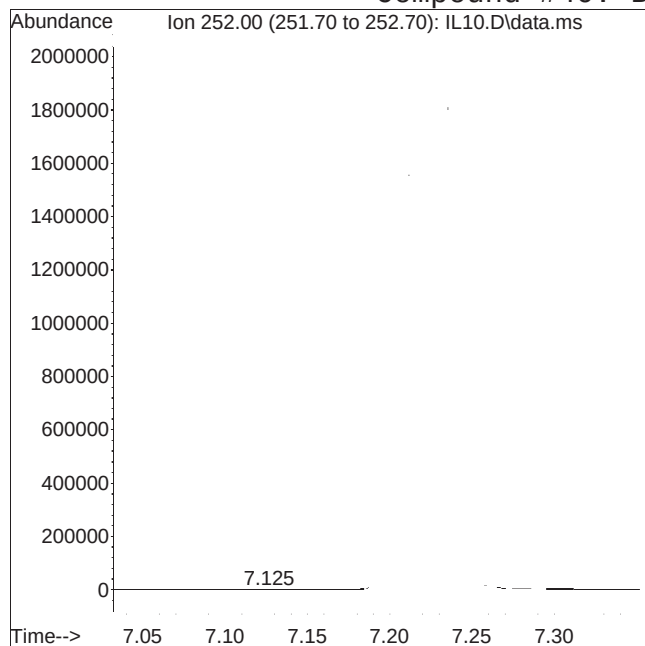


Manual Peak Response = 1858724 M6

Manual Integration Report

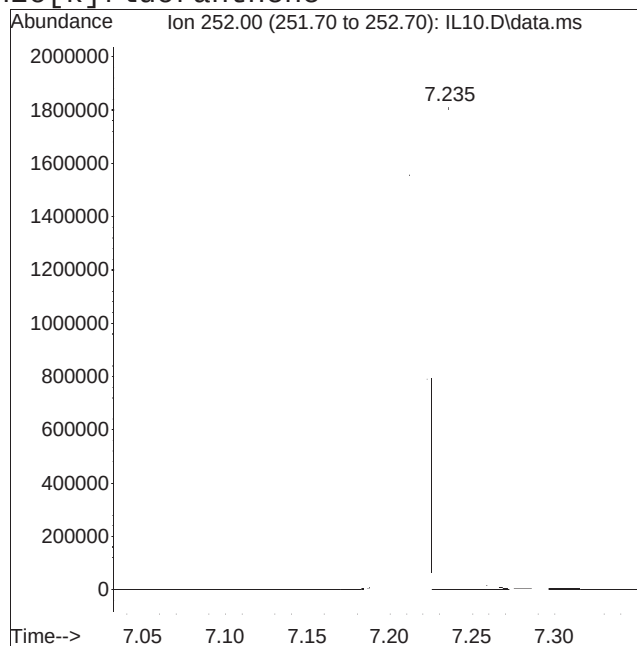
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL10.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 44

M4 = Poor automated baseline construction.

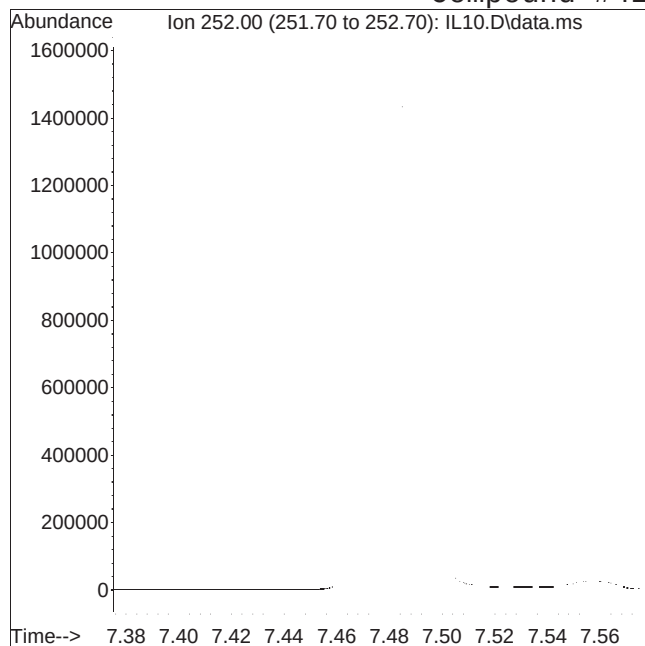


Manual Peak Response = 1615186 M4

Manual Integration Report

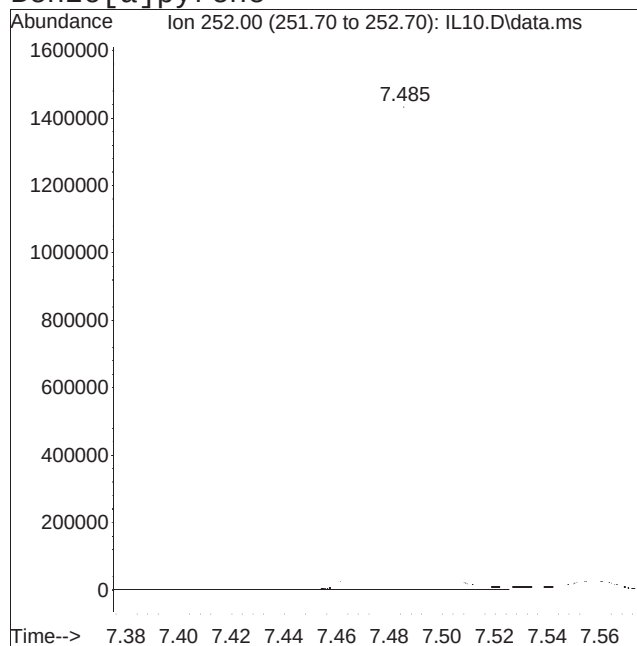
Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : IL10.D
Date Inj'd : 9/8/2025 7:01 pm
Sample : IL10,32,,5 Lot# 11697
Method :
Operator : SV125:ljl
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #41: Benzo[a]pyrene



Original Peak Response = 0

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

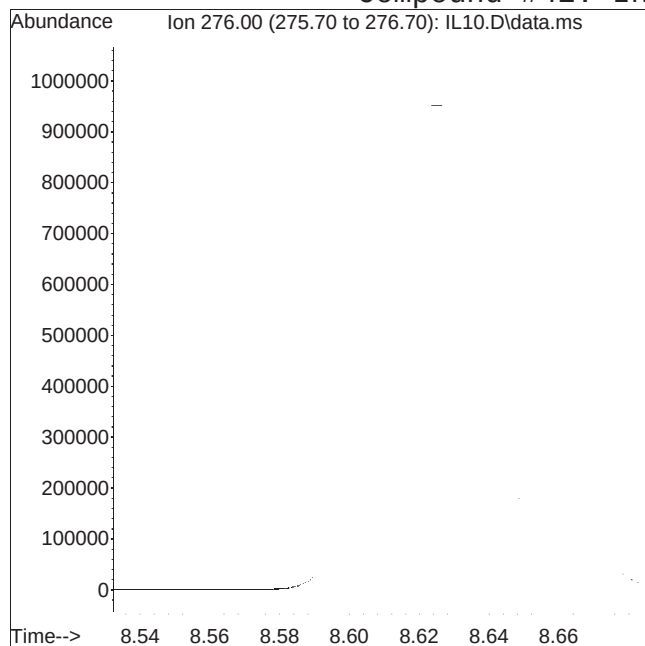


Manual Peak Response = 1639089 M6

Manual Integration Report

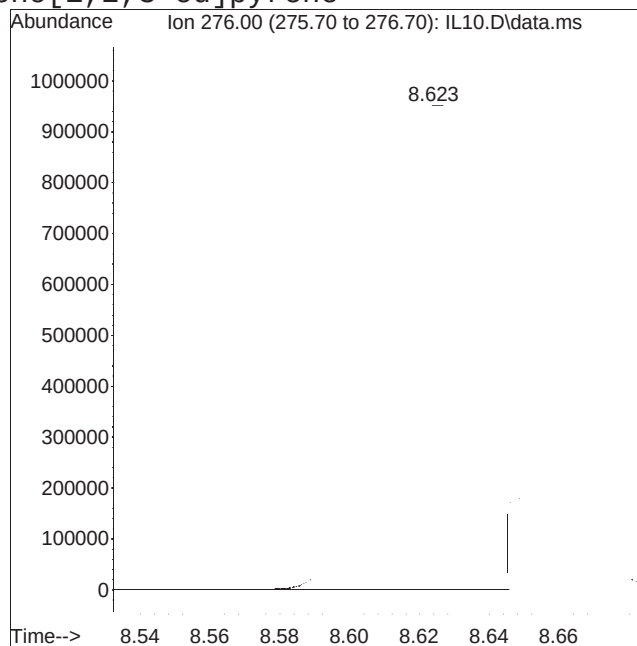
Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL10.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 7:01 pm Instrument : SV125
Sample : IL10,32,,5 Lot# 11697 Quant Date : 9/9/2025 2:37 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 0

M4 = Poor automated baseline construction.

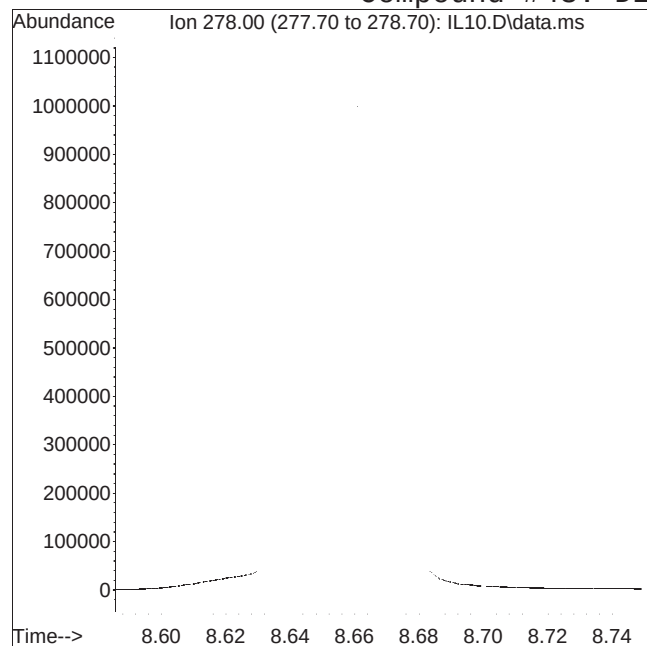


Manual Peak Response = 1576607 M4

Manual Integration Report

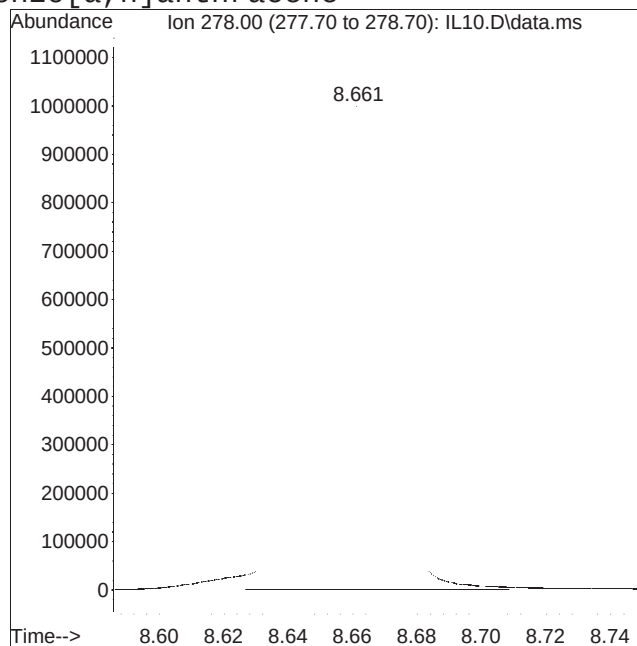
Data Path : I:\8270SIM\SV125\250908RVT\data.ms
 Data File : IL10.D
 Date Inj'd : 9/8/2025 7:01 pm
 Sample : IL10,32,,5 Lot# 11697
 Method : SIM-RVT_250908_sv125.M
 Operator : SV125:ljj
 Instrument : SV125
 Quant Date : 9/9/2025 2:37 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 0

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

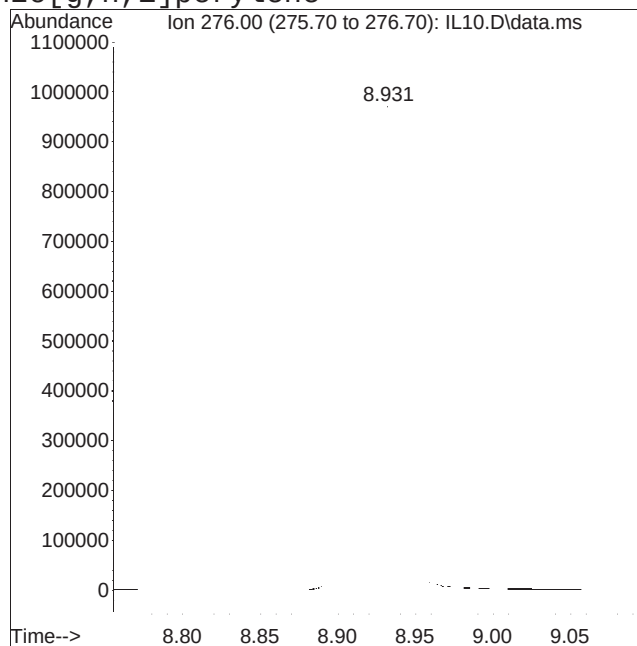
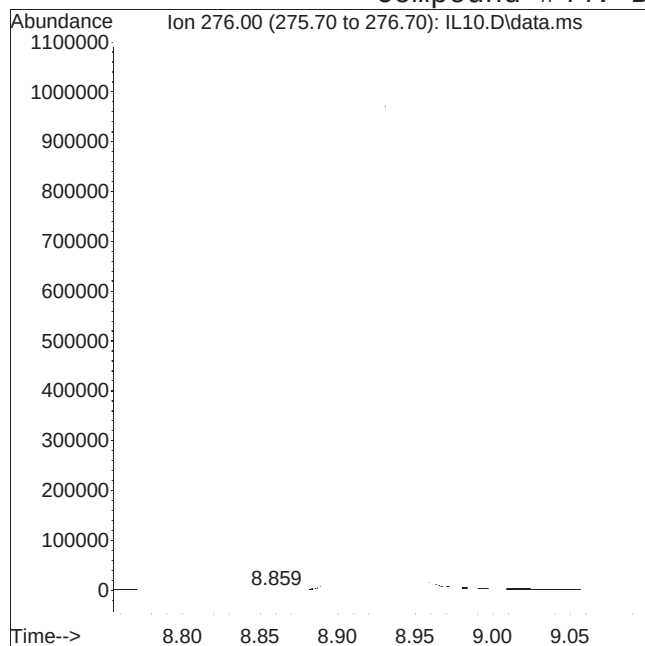


Manual Peak Response = 1503245 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
 Data File : IL10.D
 Date Inj'd : 9/8/2025 7:01 pm
 Sample : IL10,32,,5 Lot# 11697
 Method : SIM-RVT_250908_sv125.M
 Operator : SV125:ljj
 Instrument : SV125
 Quant Date : 9/9/2025 2:37 pm

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 67

Manual Peak Response = 1565500 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL9.D
 Acq On : 08 Sep 2025 07:17 pm
 Operator : SV125:ljb
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2112310,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 14:37:57 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:48 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.310	152	288887	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	89.45%	
9) Naphthalene-d8	2.968	136	1136307	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	89.45%	
18) Acenaphthene-d10	3.938	164	645082	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	89.38%	
23) Phenanthrene-d10	4.772	188	1238713	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	88.83%	
33) Chrysene-d12	6.337	240	1022326	4000.000	ng/ml	0.01
Standard Area 1 = 1178823			Recovery	=	86.72%	
38) Perylene-d12	7.411	264	1012857	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	88.55%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.725	112	189142	2651.385	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	132.57%#	
4) Phenol-d6	2.133	99	241095	2735.626	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	136.78%#	
8) Nitrobenzene-d5	2.591	82	193472	2749.081	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	274.91%#	
14) 2-Fluorobiphenyl	3.565	172	550028	2371.873	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	237.19%#	
22) 2,4,6-Tribromophenol	4.381	330	71220	2969.591	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	148.48%#	
32) 4-Terphenyl-d14	5.701	244	590444	2378.475	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	237.85%#	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.234	74	120110	2566.230	ng/mL	97
5) Bis(2-chloroethyl)ether	2.180	93	202555	2549.091	ng/ml	99
6) n-nitrosodi-n-propylamine	2.516	70	138605	2625.147	ng/ml	99
7) Hexachloroethane	2.566	117	89000	2455.380	ng/ml	100
10) Naphthalene	2.978	128	710184	2363.529	ng/ml	100
11) Hexachlorobutadiene	3.054	225	122041	2451.566	ng/ml	100
12) 2-Methylnaphthalene	3.358	142	440535	2512.046	ng/ml	99
13) 1-Methylnaphthalene	3.412	142	457867	2430.155	ng/ml	99
15) 2-Chloronaphthalene	3.626	162	492692	2503.306	ng/ml	100
16) 2,6-Dinitrotoluene	3.825	165	106270	2925.049	ng/ml	93
17) Acenaphthylene	3.855	152	814135	2616.364	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL9.D
 Acq On : 08 Sep 2025 07:17 pm
 Operator : SV125:ljb
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2112310,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 14:37:57 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:48 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.956	153	510262	2474.192	ng/ml	97
20)	2,4-Dinitrotoluene	4.051	165	142537	2587.182	ng/ml	96
21)	Fluorene	4.243	166	581938	2519.848	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.280	198	72019	2509.306	ng/ml	99
25)	Hexachlorobenzene	4.560	284	167415M6	2489.306	ng/ml	
26)	Pentachlorophenol	4.669	266	76658M6	2732.366	ng/ml	
27)	Phenanthrene	4.784	178	865687	2446.724	ng/ml	100
28)	Anthracene	4.814	178	844677	2502.509	ng/ml	99
29)	Fluoranthene	5.465	202	967381	2528.235	ng/ml	100
30)	Pyrene	5.598	202	982095	2500.736	ng/ml	100
31)	Benzidine	5.550	184	506261	2582.311	ng/mL	100
34)	Benzo[a]anthracene	6.329	226	254749	2591.606	ng/ml	98
35)	3,3'-Dichlorobenzidine	6.324	252	343542	2565.476	ng/ml	99
36)	Chrysene	6.351	228	847191	2609.609	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.375	149	528366	2593.893	ng/ml	100
39)	Benzo[b]fluoranthene	7.081	252	825251	2575.607	ng/ml	100
40)	Benzo[k]fluoranthene	7.104	252	858047	2642.749	ng/ml	99
41)	Benzo[a]pyrene	7.354	252	777887	2746.482	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.503	276	730713	2715.261	ng/ml	98
43)	Dibenzo[a,h]anthracene	8.541	278	703112M6	2635.116	ng/ml	
44)	Benzo[g,h,i]perylene	8.814	276	745744	2688.072	ng/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

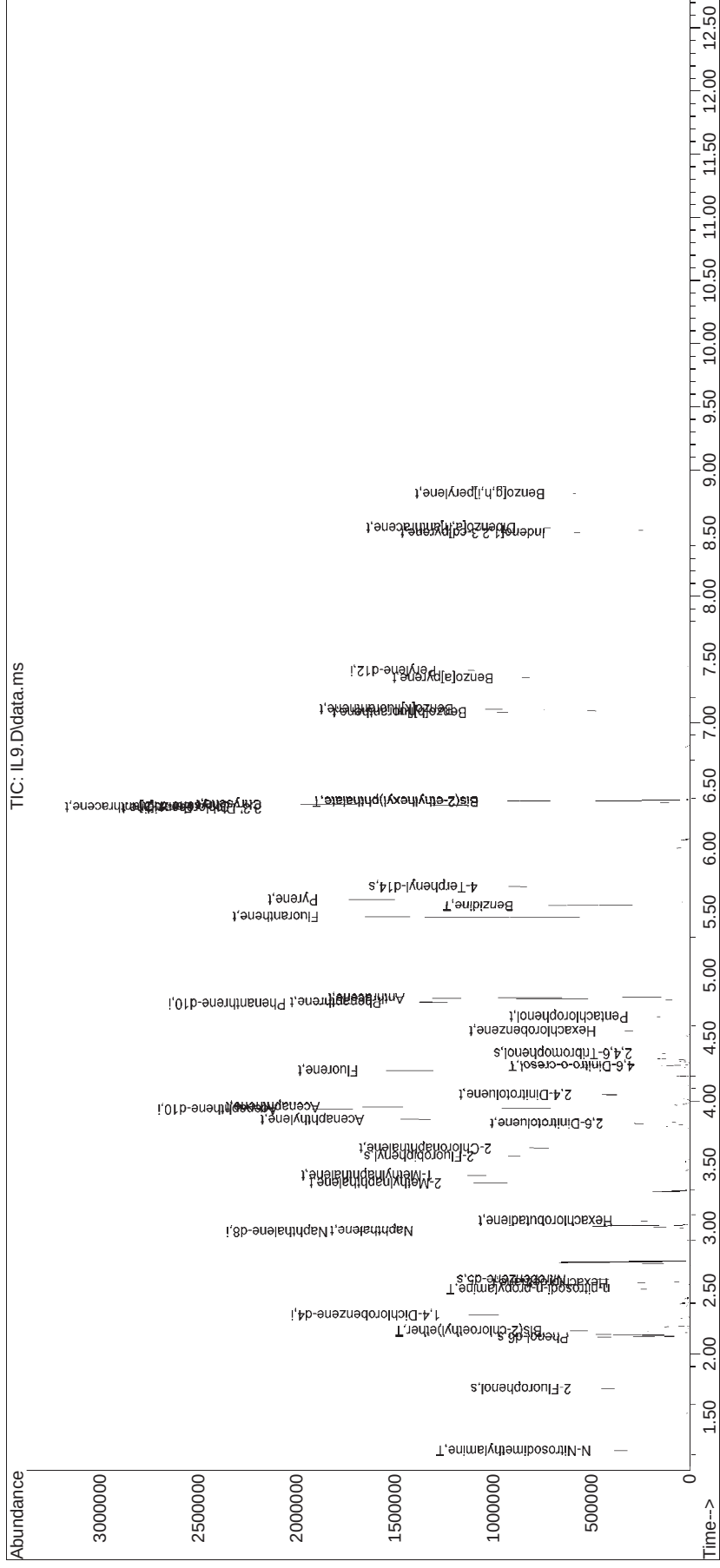
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Data Path      : I:\8270SIM\SV125\250908RVTical\
Data File     : IL9.D
Acq On        : 08 Sep 2025  07:17 pm
Operator      : SV125:ljpg
Sample        : IL9,32,,2.5 Lot# 11699
Misc          : WG2112310,,
ALS Vial      : 2 Sample Multiplier: 1

```

Quant Time: Sep 09 14:37:57 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 09 14:38:48 2025
Response via : Initial Calibration

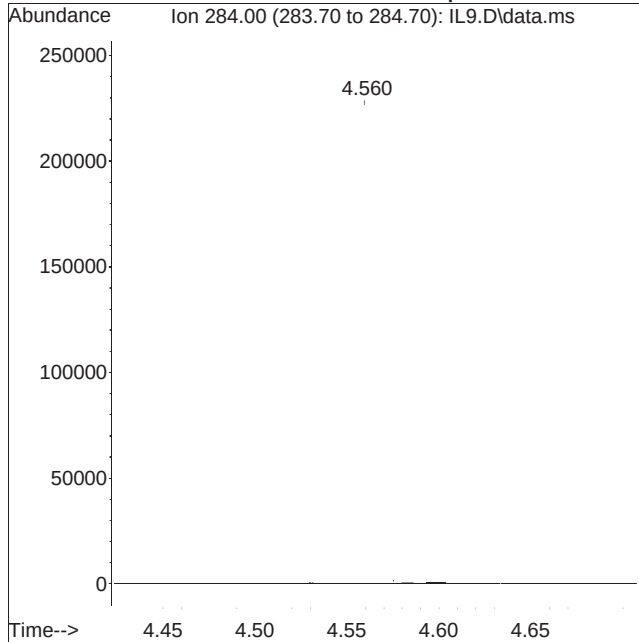
Sub List : Default - All compounds Listedical\IL8.D.



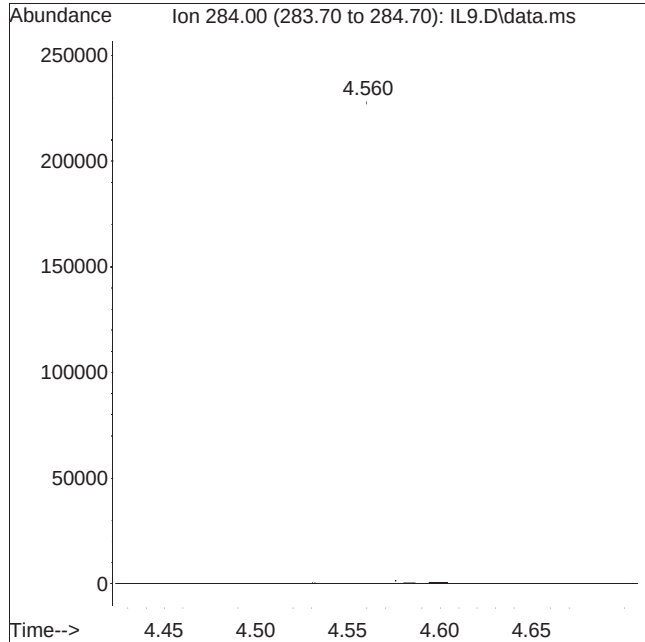
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL9.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 7:17 pm Instrument : SV125
Sample : IL9,32,,2.5 Lot# 11699 Quant Date : 9/9/2025 2:38 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 190450



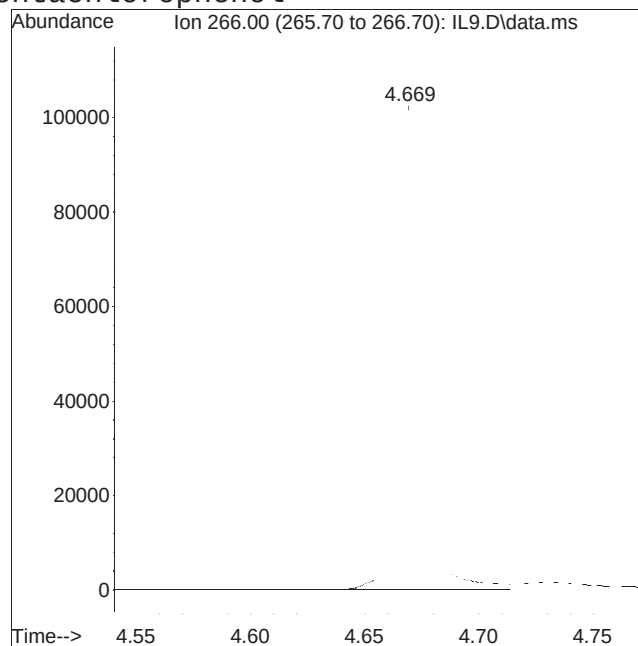
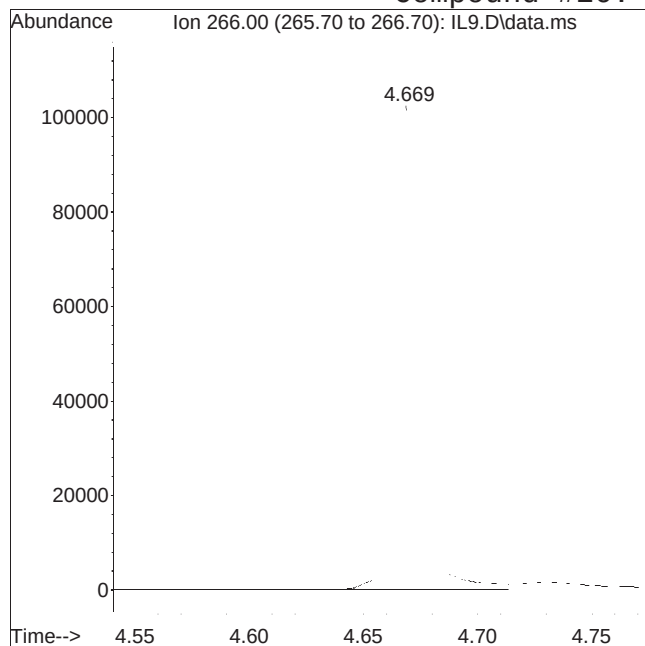
Manual Peak Response = 167415 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL9.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:17 pm Instrument : SV125
Sample : IL9,32,,2.5 Lot# 11699 Quant Date : 9/9/2025 2:38 pm

Compound #26: Pentachlorophenol



Original Peak Response = 76700

Manual Peak Response = 76658 M6

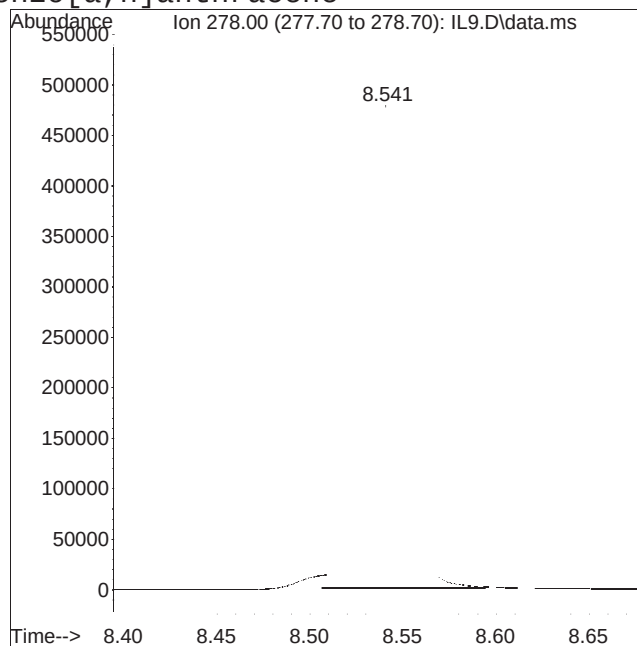
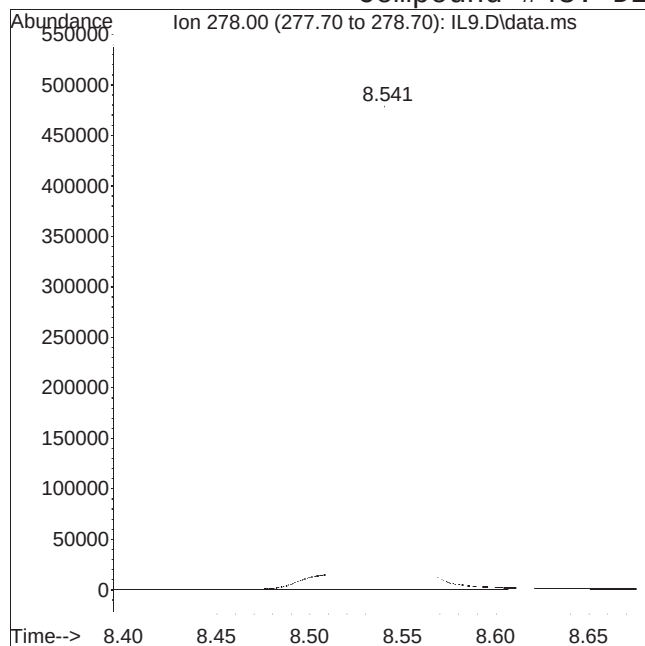
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : IL9.D
Date Inj'd : 9/8/2025 7:17 pm
Sample : IL9,32,,2.5 Lot# 11699

Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 728165

Manual Peak Response = 703112 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL8.D
 Acq On : 08 Sep 2025 07:34 pm
 Operator : SV125:ljb
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2112310,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 14:37:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.315	152	322973	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	100.00%	
9) Naphthalene-d8	2.973	136	1270390	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	100.00%	
18) Acenaphthene-d10	3.943	164	721721	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	100.00%	
23) Phenanthrene-d10	4.774	188	1394496	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	100.00%	
33) Chrysene-d12	6.325	240	1178823	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	100.00%	
38) Perylene-d12	7.401	264	1143832	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	100.00%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	85436	1071.242	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	53.56%	
4) Phenol-d6	2.135	99	105715	1072.919	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	53.65%	
8) Nitrobenzene-d5	2.593	82	85328	1084.483	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	108.45%	
14) 2-Fluorobiphenyl	3.570	172	252811	975.127	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	97.51%	
22) 2,4,6-Tribromophenol	4.382	330	30727	1145.145	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	57.26%	
32) 4-Terphenyl-d14	5.697	244	270694	968.617	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	96.86%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.237	74	53612	1024.567	ng/mL	100
5) Bis(2-chloroethyl)ether	2.185	93	91795	1033.292	ng/ml	100
6) n-nitrosodi-n-propylamine	2.518	70	60199	1019.825	ng/ml	100
7) Hexachloroethane	2.571	117	40117	989.963	ng/ml	100
10) Naphthalene	2.983	128	320031	952.666	ng/ml	100
11) Hexachlorobutadiene	3.059	225	55334	994.234	ng/ml	100
12) 2-Methylnaphthalene	3.362	142	197087	1005.226	ng/ml	100
13) 1-Methylnaphthalene	3.417	142	207136	983.352	ng/ml	100
15) 2-Chloronaphthalene	3.631	162	218566	993.298	ng/ml	100
16) 2,6-Dinitrotoluene	3.827	165	42907	1056.353	ng/ml	100
17) Acenaphthylene	3.860	152	362314	1041.467	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL8.D
 Acq On : 08 Sep 2025 07:34 pm
 Operator : SV125:ljj
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2112310,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 14:37:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.958	153	227989	988.097	ng/ml	100
20)	2,4-Dinitrotoluene	4.052	165	58418	961.336	ng/ml	100
21)	Fluorene	4.248	166	260096	1006.646	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.279	198	28771	913.011	ng/ml	100
25)	Hexachlorobenzene	4.561	284	75801	1001.180	ng/ml	100
26)	Pentachlorophenol	4.674	266	23993	965.360	ng/ml	100
27)	Phenanthrene	4.786	178	392866	986.329	ng/ml	100
28)	Anthracene	4.816	178	383338	1008.835	ng/ml	100
29)	Fluoranthene	5.463	202	430456	999.314	ng/ml	100
30)	Pyrene	5.594	202	450643	1019.296	ng/ml	100
31)	Benzidine	5.549	184	140999	852.385	ng/mL	100
34)	Benzo[a]anthracene	6.317	226	113005	995.753	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.311	252	145417	956.649	ng/ml	100
36)	Chrysene	6.339	228	388872	1038.823	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.363	149	208612	962.710	ng/ml	100
39)	Benzo[b]fluoranthene	7.068	252	360403	996.019	ng/ml	100
40)	Benzo[k]fluoranthene	7.091	252	387110	1055.760	ng/ml	100
41)	Benzo[a]pyrene	7.344	252	337538	1055.283	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.494	276	319931	1052.706	ng/ml	100
43)	Dibenzo[a,h]anthracene	8.528	278	311726M6	1034.509	ng/ml	
44)	Benzo[g,h,i]perylene	8.798	276	324900	1037.019	ng/ml	100

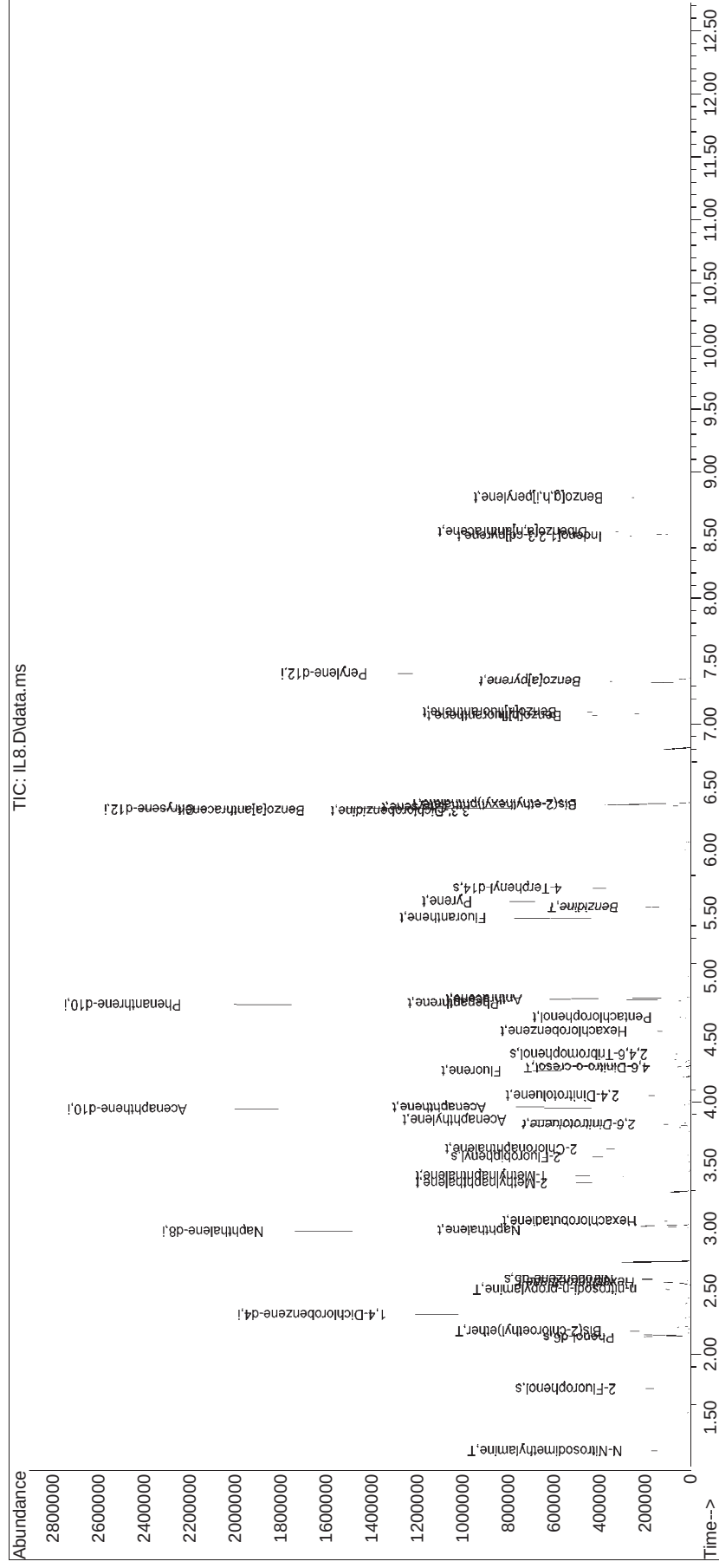
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL8.D
 Acq On : 08 Sep 2025 07:34 pm
 Operator : SV125:ljj
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2112310,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 14:37:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 14:38:21 2025
 Response via : Initial Calibration

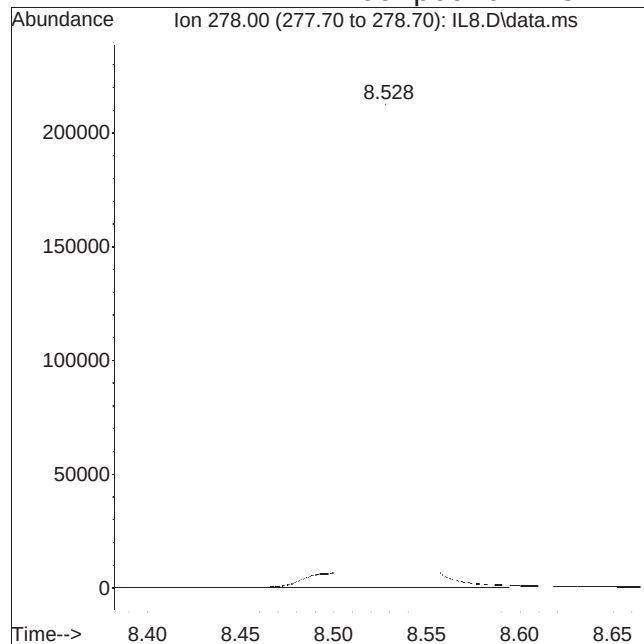
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

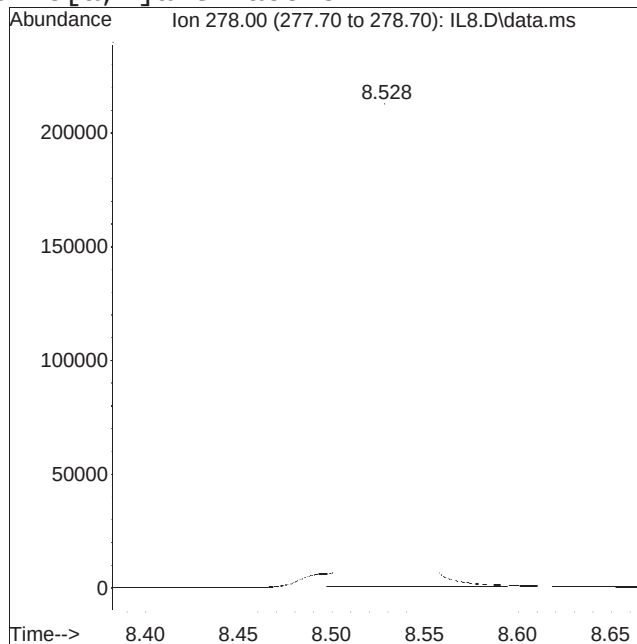
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL8.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 7:34 pm Instrument : SV125
Sample : IL8,32,,1 Lot# 11700 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 320655

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 311726 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL7.D
 Acq On : 08 Sep 2025 07:51 pm
 Operator : SV125:ljl
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2112310,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 14:37:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	362302	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	112.18%	
9) Naphthalene-d8	2.975	136	1427882	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	112.40%	
18) Acenaphthene-d10	3.944	164	806411	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	111.73%	
23) Phenanthrene-d10	4.775	188	1596200	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	114.46%	
33) Chrysene-d12	6.321	240	1398262	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	118.62%	
38) Perylene-d12	7.399	264	1366471	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	119.46%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	47708	533.253	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	26.66%	
4) Phenol-d6	2.139	99	59814	541.164	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	27.06%	
8) Nitrobenzene-d5	2.596	82	47952	543.292	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	54.33%	
14) 2-Fluorobiphenyl	3.571	172	148362	509.135	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	50.91%	
22) 2,4,6-Tribromophenol	4.384	330	17499	583.669	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	29.18%	
32) 4-Terphenyl-d14	5.695	244	165461	517.248	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	51.72%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.240	74	30696	522.944	ng/mL	97
5) Bis(2-chloroethyl)ether	2.186	93	52459	526.405	ng/ml	100
6) n-nitrosodi-n-propylamine	2.522	70	34065	514.447	ng/ml	100
7) Hexachloroethane	2.571	117	22928	504.373	ng/ml	100
10) Naphthalene	2.984	128	184492	488.620	ng/ml	100
11) Hexachlorobutadiene	3.061	225	31690	506.598	ng/ml	99
12) 2-Methylnaphthalene	3.364	142	112023	508.344	ng/ml	99
13) 1-Methylnaphthalene	3.419	142	119872	506.309	ng/ml	100
15) 2-Chloronaphthalene	3.632	162	125279	506.547	ng/ml	100
16) 2,6-Dinitrotoluene	3.828	165	23772	520.705	ng/ml	98
17) Acenaphthylene	3.862	152	208349	532.840	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL7.D
 Acq On : 08 Sep 2025 07:51 pm
 Operator : SV125:ljb
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2112310,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 14:37:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.959	153	132079	512.310	ng/ml	100
20)	2,4-Dinitrotoluene	4.054	165	31417	473.831	ng/ml	96
21)	Fluorene	4.250	166	151397	524.413	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.280	198	15219	440.727	ng/ml	99
25)	Hexachlorobenzene	4.563	284	44683M6	515.596	ng/ml	
26)	Pentachlorophenol	4.675	266	9674	382.367	ng/ml	99
27)	Phenanthrene	4.787	178	231245	507.201	ng/ml	100
28)	Anthracene	4.817	178	226968	521.835	ng/ml	100
29)	Fluoranthene	5.465	202	257694	522.646	ng/ml	100
30)	Pyrene	5.595	202	268034	529.648	ng/ml	100
31)	Benizidine	5.550	184	28485	384.085	ng/mL	99
34)	Benzo[a]anthracene	6.313	226	68400	507.133	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.307	252	83648	476.041	ng/ml#	98
36)	Chrysene	6.334	228	242250	545.580	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.359	149	117871	478.096	ng/ml	99
39)	Benzo[b]fluoranthene	7.066	252	229649	531.258	ng/ml	95
40)	Benzo[k]fluoranthene	7.086	252	227344	519.010	ng/ml	95
41)	Benzo[a]pyrene	7.339	252	204438	535.019	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.488	276	190325	524.214	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.523	278	191064M6	530.764	ng/ml	
44)	Benzo[g,h,i]perylene	8.796	276	196772	525.729	ng/ml	100

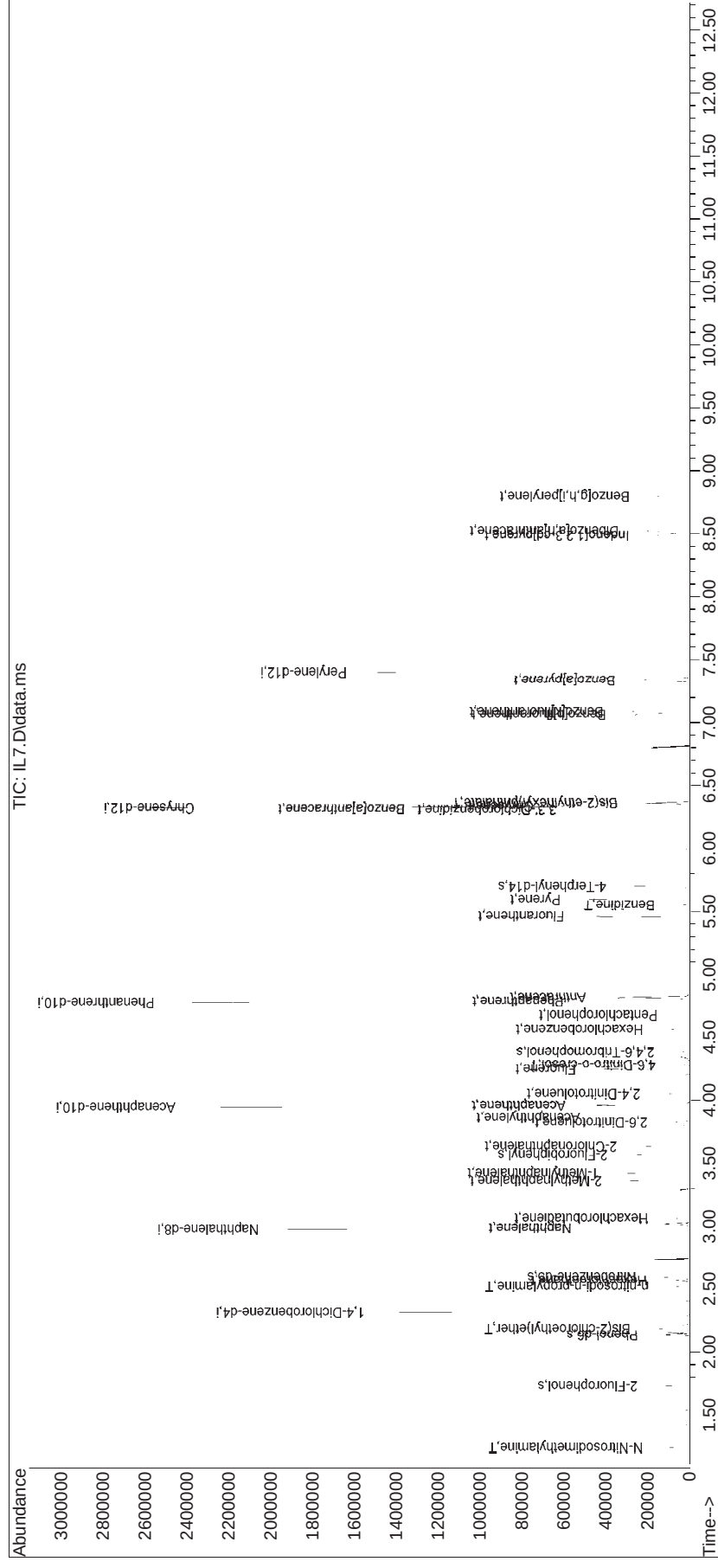
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL7.D
 Acq On : 08 Sep 2025 07:51 pm
 Operator : SV125:ljg
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2112310,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 14:37:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 14:38:14 2025
 Response via : Initial Calibration

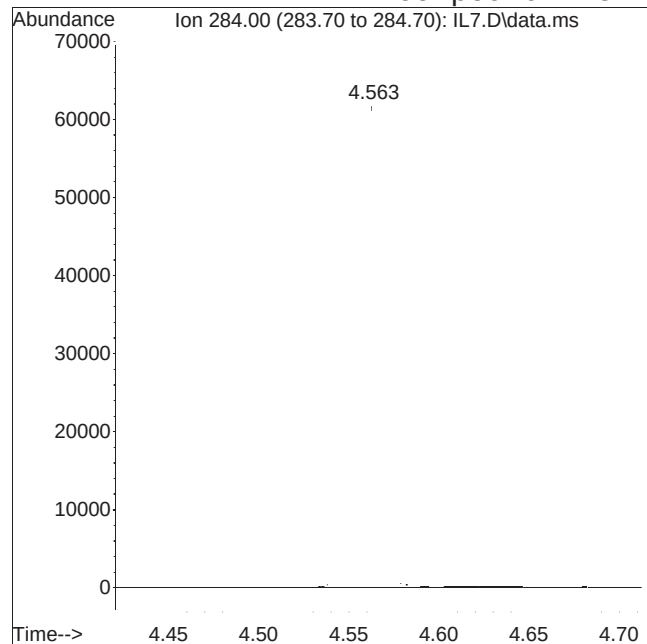
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

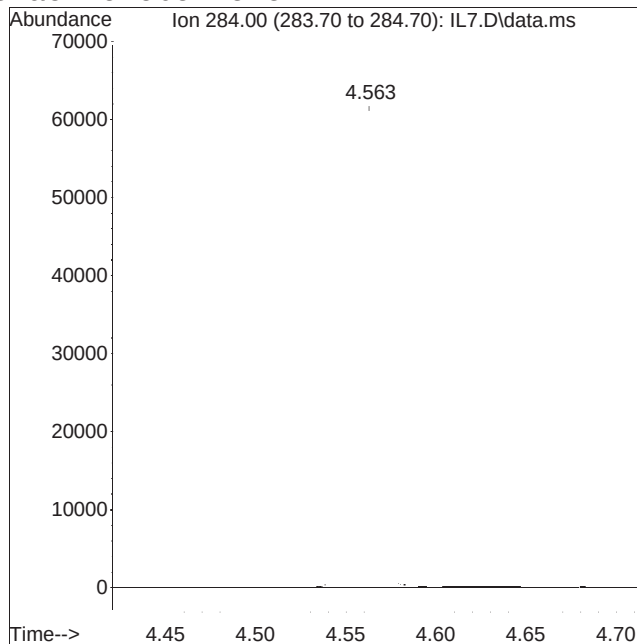
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL7.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 7:51 pm Instrument : SV125
Sample : IL7,32,,0.5 Lot# 11701 Quant Date : 9/9/2025 2:38 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 51019

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

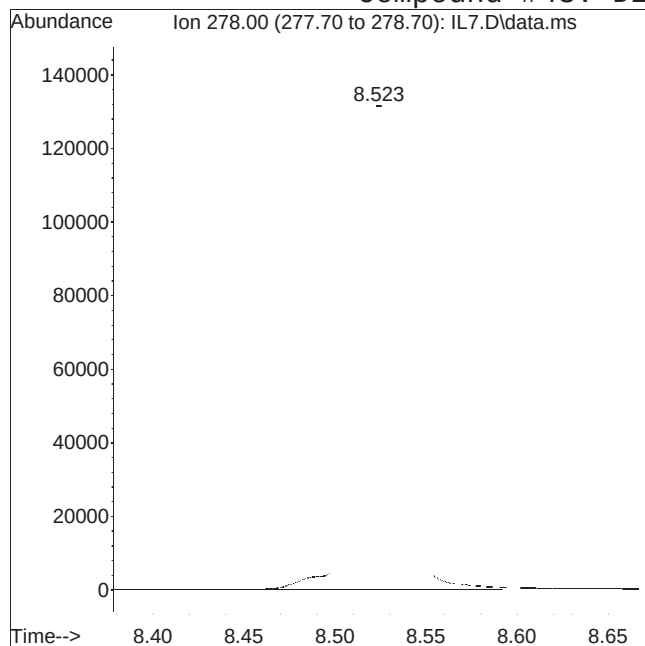


Manual Peak Response = 44683 M6

Manual Integration Report

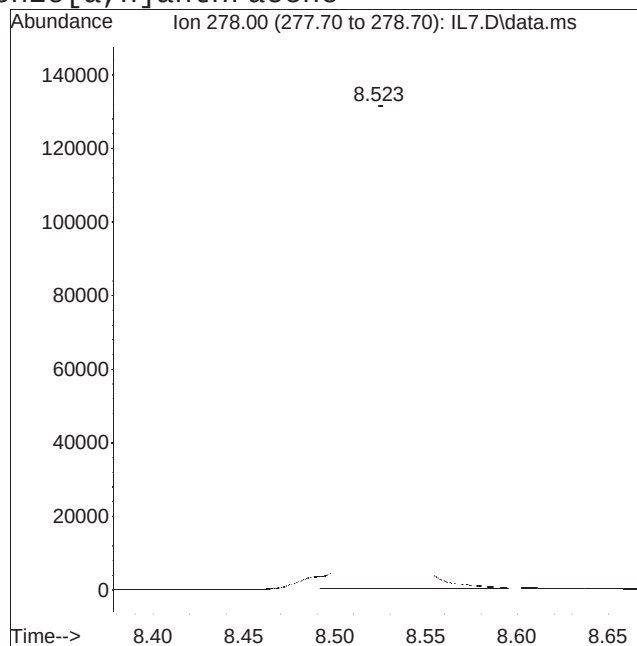
Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL7.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 7:51 pm Instrument : SV125
Sample : IL7,32,,0.5 Lot# 11701 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 196202

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 191064 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL6.D
 Acq On : 08 Sep 2025 08:07 pm
 Operator : SV125:ljb
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2112310,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 14:37:18 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	354143	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	109.65%	
9) Naphthalene-d8	2.974	136	1379638	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	108.60%	
18) Acenaphthene-d10	3.943	164	777509	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	107.73%	
23) Phenanthrene-d10	4.775	188	1537214	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	110.23%	
33) Chrysene-d12	6.320	240	1360183	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	115.38%	
38) Perylene-d12	7.395	264	1285896	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	112.42%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	8804	100.673	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	5.03%#	
4) Phenol-d6	2.139	99	10803	99.991	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	5.00%#	
8) Nitrobenzene-d5	2.596	82	8609	99.786	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	9.98%#	
14) 2-Fluorobiphenyl	3.570	172	28625	101.668	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	10.17%#	
22) 2,4,6-Tribromophenol	4.386	330	2815	97.383	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	4.87%#	
32) 4-Terphenyl-d14	5.695	244	30578	99.258	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	9.93%#	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.246	74	5710	99.518	ng/mL	97
5) Bis(2-chloroethyl)ether	2.188	93	9480M6	97.320	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	6146	94.955	ng/ml	99
7) Hexachloroethane	2.574	117	4337	97.604	ng/ml	100
10) Naphthalene	2.984	128	35545	97.431	ng/ml	100
11) Hexachlorobutadiene	3.060	225	6092	100.793	ng/ml	100
12) 2-Methylnaphthalene	3.363	142	20886	98.092	ng/ml	100
13) 1-Methylnaphthalene	3.418	142	23108	101.015	ng/ml	97
15) 2-Chloronaphthalene	3.631	162	23945	100.204	ng/ml	100
16) 2,6-Dinitrotoluene	3.827	165	3726	84.469	ng/ml	96
17) Acenaphthylene	3.861	152	37194	98.448	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL6.D
 Acq On : 08 Sep 2025 08:07 pm
 Operator : SV125:ljj
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2112310,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 14:37:18 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:09 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.962	153	25100	100.977	ng/ml	93
20)	2,4-Dinitrotoluene	4.053	165	4520	88.952	ng/ml#	82
21)	Fluorene	4.249	166	27702	99.522	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.283	198	1966	89.383	ng/ml	95
25)	Hexachlorobenzene	4.562	284	8419	100.874	ng/ml	99
26)	Pentachlorophenol	4.677	266	674	45.762	ng/ml	98
27)	Phenanthrene	4.787	178	43975	100.154	ng/ml	95
28)	Anthracene	4.816	178	41443	98.940	ng/ml	100
29)	Fluoranthene	5.464	202	46778	98.514	ng/ml	99
30)	Pyrene	5.594	202	48279	99.062	ng/ml	99
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.312	226	12760	95.617	ng/ml	93
35)	3,3'-Dichlorobenzidine	6.304	252	11788	89.069	ng/ml#	90
36)	Chrysene	6.334	228	45708	105.823	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.356	149	17131	88.706	ng/ml	100
39)	Benzo[b]fluoranthene	7.062	252	39139	96.216	ng/ml	95
40)	Benzo[k]fluoranthene	7.085	252	41235	100.035	ng/ml	96
41)	Benzo[a]pyrene	7.335	252	34972	97.257	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.485	276	32167	94.149	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.523	278	32637M6	96.345	ng/ml	
44)	Benzo[g,h,i]perylene	8.790	276	34327	97.461	ng/ml	99

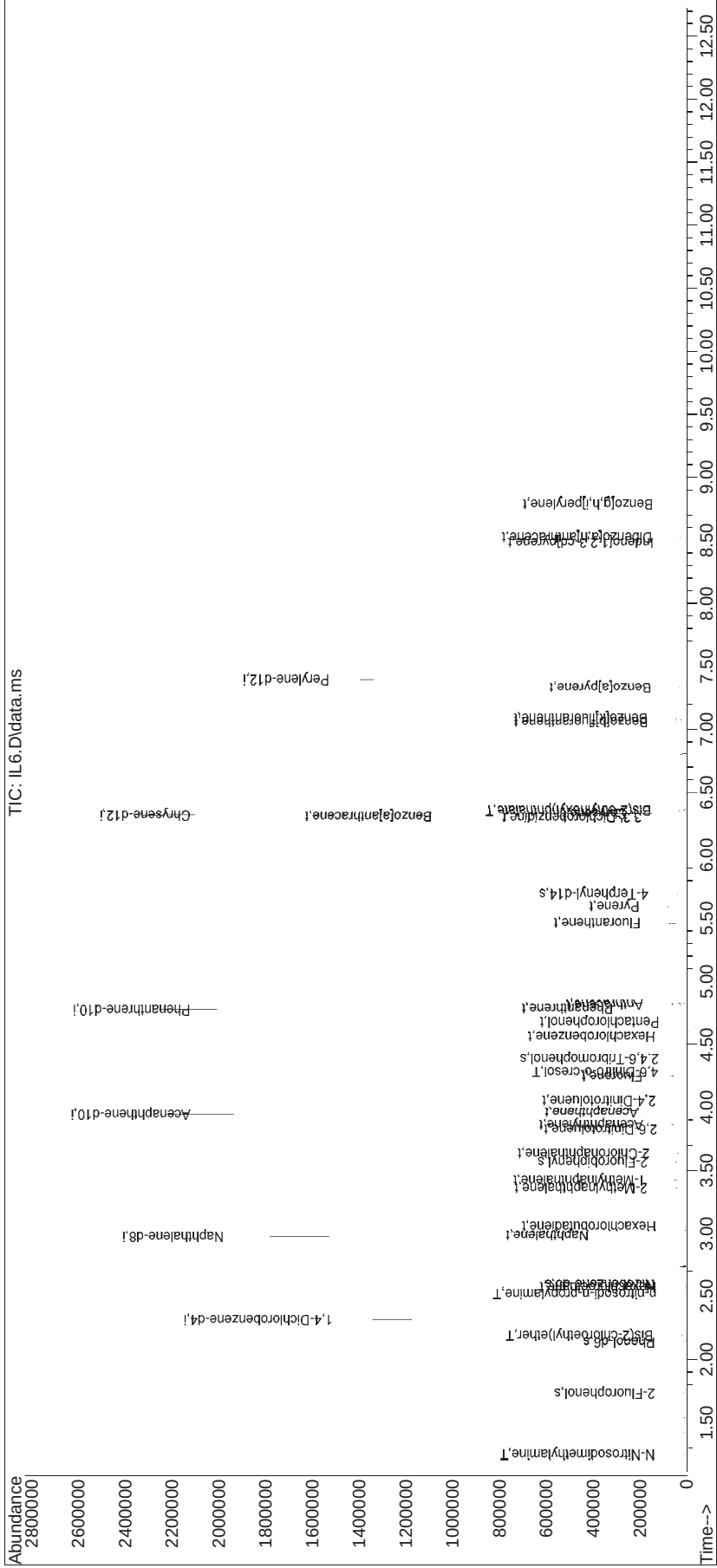
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL6.D
Acq On : 08 Sep 2025 08:07 pm
Operator : SV125:ljj
Sample : IL6,32,,0.1 Lot# 11702
Misc : WG2112310,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 14:37:18 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:38:09 2025
Response via : Initial Calibration

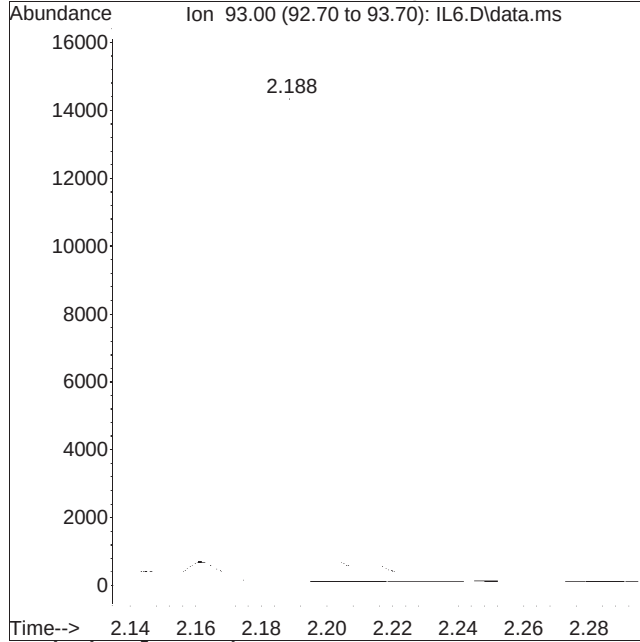
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

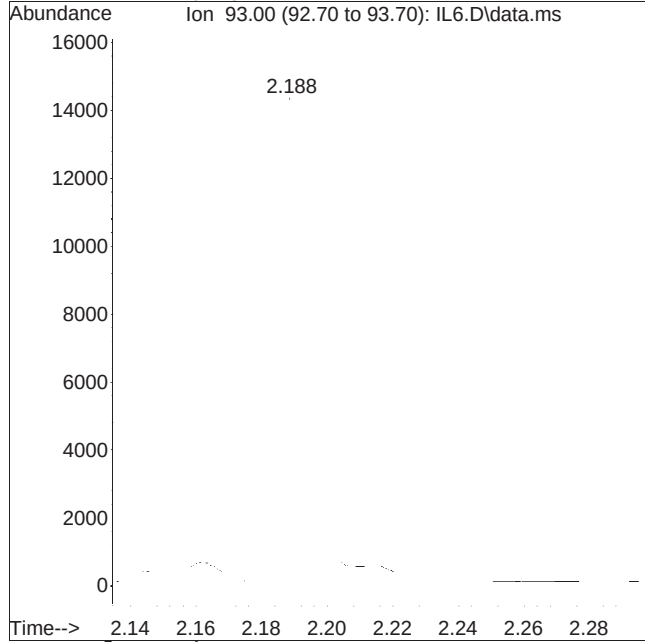
Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL6.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 8:07 pm Instrument : SV125
Sample : IL6,32,,0.1 Lot# 11702 Quant Date : 9/9/2025 2:38 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 9955

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

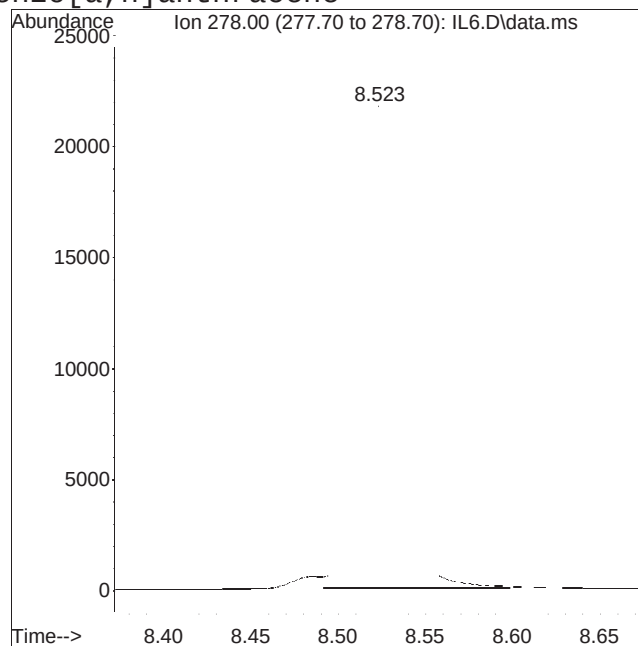
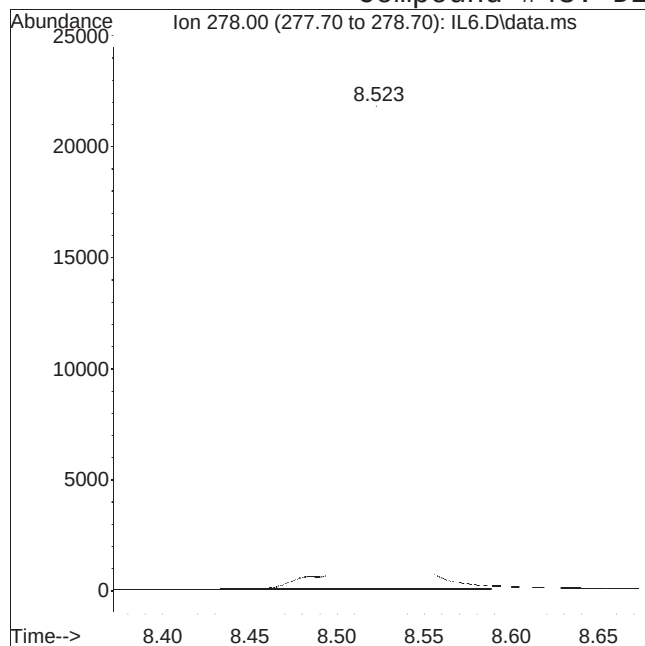


Manual Peak Response = 9480 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL6.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:07 pm Instrument : SV125
Sample : IL6,32,,0.1 Lot# 11702 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 33549

Manual Peak Response = 32637 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL5.D
 Acq On : 08 Sep 2025 08:24 pm
 Operator : SV125:ljj
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2112310,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 14:46:41 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:02 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	464623	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 143.86%			
9) Naphthalene-d8	2.973	136	1819490	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 143.22%			
18) Acenaphthene-d10	3.943	164	1030601	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 142.80%			
23) Phenanthrene-d10	4.777	188	2026553	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 145.33%			
33) Chrysene-d12	6.320	240	1783810	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 151.32%			
38) Perylene-d12	7.397	264	1688526	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 147.62%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	4459	38.864	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.94%#			
4) Phenol-d6	2.139	99	5655	39.896	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.99%#			
8) Nitrobenzene-d5	2.596	82	4465	39.447	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.94%#			
14) 2-Fluorobiphenyl	3.573	172	15286	41.167	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.12%#			
22) 2,4,6-Tribromophenol	4.386	330	1360	35.494	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.77%#			
32) 4-Terphenyl-d14	5.697	244	16370	40.307	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.03%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.250	74	2966M4	39.402	ng/mL	
5) Bis(2-chloroethyl)ether	2.189	93	5105M6	39.945	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	3257	38.355	ng/ml	99
7) Hexachloroethane	2.574	117	2311	39.642	ng/ml	99
10) Naphthalene	2.986	128	19016	39.523	ng/ml	99
11) Hexachlorobutadiene	3.059	225	3213	40.308	ng/ml	100
12) 2-Methylnaphthalene	3.365	142	11088	39.486	ng/ml	99
13) 1-Methylnaphthalene	3.417	142	12321	40.840	ng/ml	97
15) 2-Chloronaphthalene	3.634	162	12734	40.406	ng/ml	100
16) 2,6-Dinitrotoluene	3.830	165	1872	32.179	ng/ml	98
17) Acenaphthylene	3.860	152	19582	39.301	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL5.D
 Acq On : 08 Sep 2025 08:24 pm
 Operator : SV125:ljb
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2112310,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 14:46:41 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:38:02 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.961	153	13442	40.797	ng/ml	89
20)	2,4-Dinitrotoluene	4.056	165	2251	46.809	ng/ml	86
21)	Fluorene	4.248	166	14590	39.544	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.282	198	775	51.229	ng/ml	97
25)	Hexachlorobenzene	4.564	284	4507M6	40.962	ng/ml	
26)	Pentachlorophenol	4.677	266	151	22.667	ng/ml	90
27)	Phenanthrene	4.789	178	24389	42.134	ng/ml#	87
28)	Anthracene	4.816	178	22133	40.081	ng/ml	100
29)	Fluoranthene	5.464	202	24790	39.601	ng/ml	100
30)	Pyrene	5.594	202	25541	39.753	ng/ml	100
31)	Benizidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.314	226	6794M6	37.617	ng/ml	
35)	3,3'-Dichlorobenzidine	6.306	252	5522	46.929	ng/ml#	71
36)	Chrysene	6.333	228	23314	41.158	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.355	149	8870	46.513	ng/ml	100
39)	Benzo[b]fluoranthene	7.061	252	20170	37.761	ng/ml	95
40)	Benzo[k]fluoranthene	7.084	252	21387	39.513	ng/ml	95
41)	Benzo[a]pyrene	7.337	252	17958	38.033	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	8.487	276	16550	36.890	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.522	278	16550M1	37.206	ng/ml	
44)	Benzo[g,h,i]perylene	8.792	276	17367	37.551	ng/ml	100

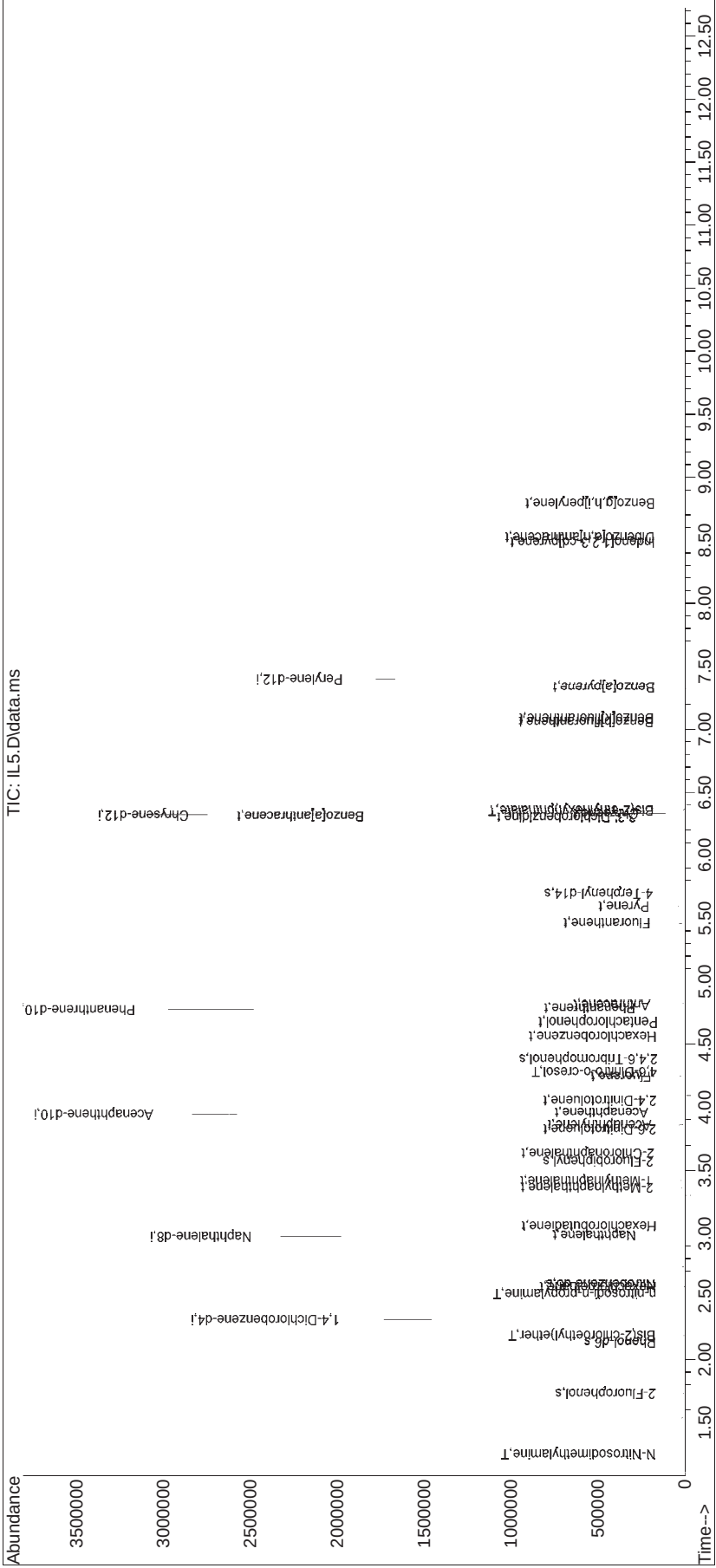
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL5.D
Acq On : 08 Sep 2025 08:24 pm
Operator : SV125:ljl
Sample : IL5,32,,0.04 Lot# 11703
Misc : WG2112310,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 09 14:46:41 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:38:02 2025
Response via : Initial Calibration

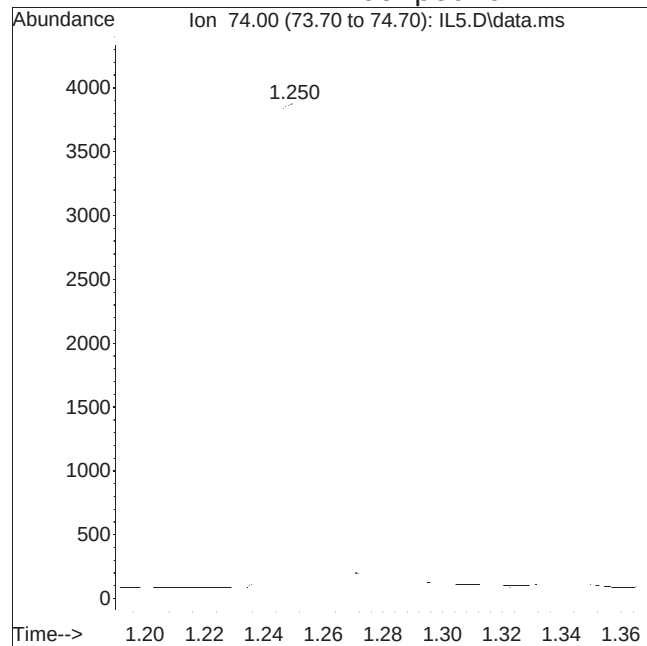
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

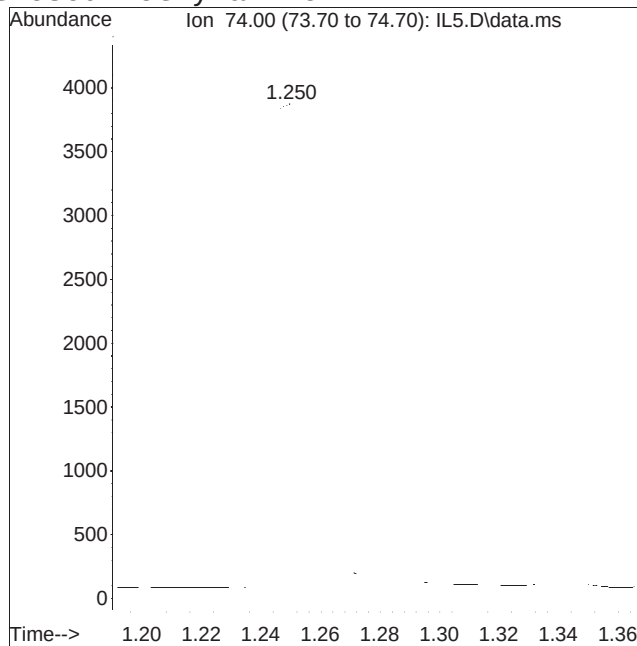
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL5.D Operator : SV125:ljpg
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 2966

M4 = Poor automated baseline construction.

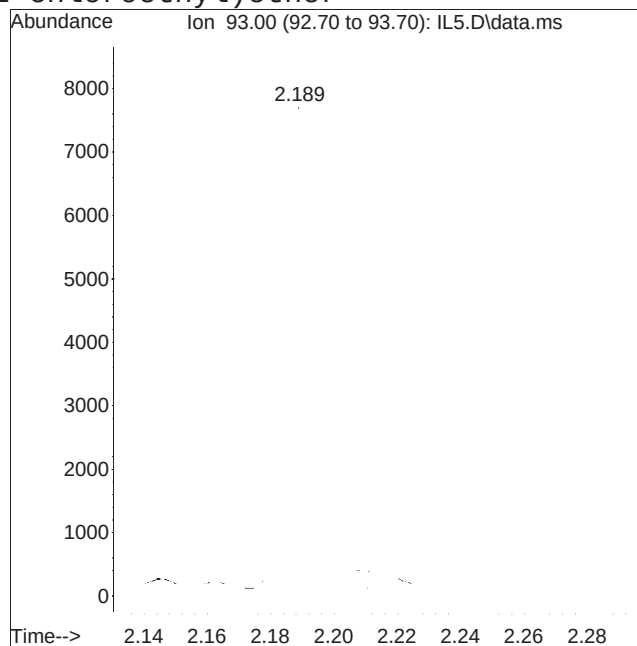
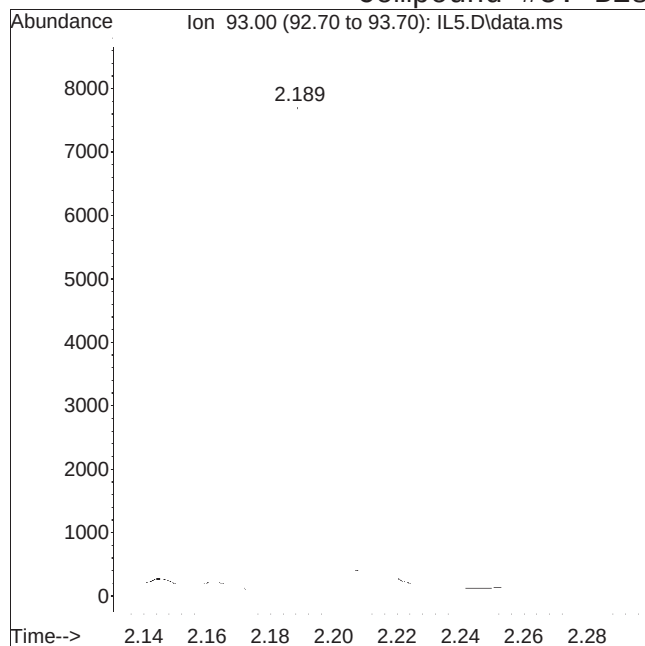


Manual Peak Response = 2966 M4

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL5.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 5322

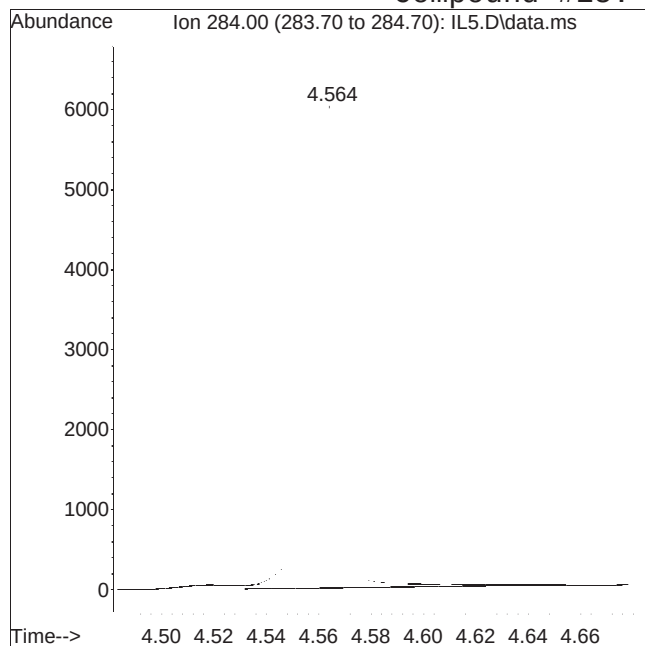
Manual Peak Response = 5105 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

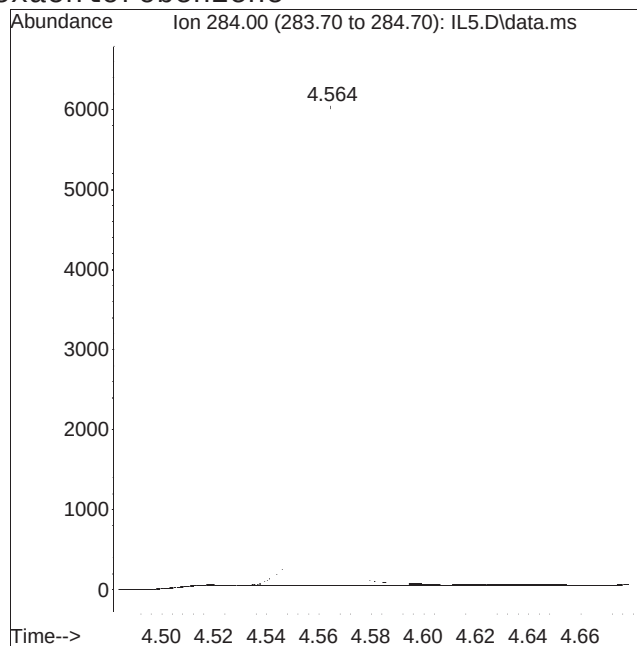
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT_001.M
Data File : IL5.D
Date Inj'd : 9/8/2025 8:24 pm
Sample : IL5,32,,0.04 Lot# 11703
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:38 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 4628



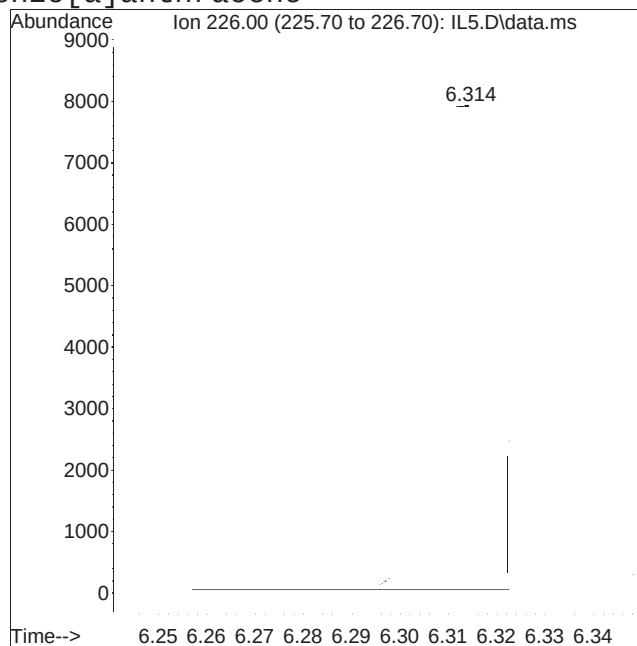
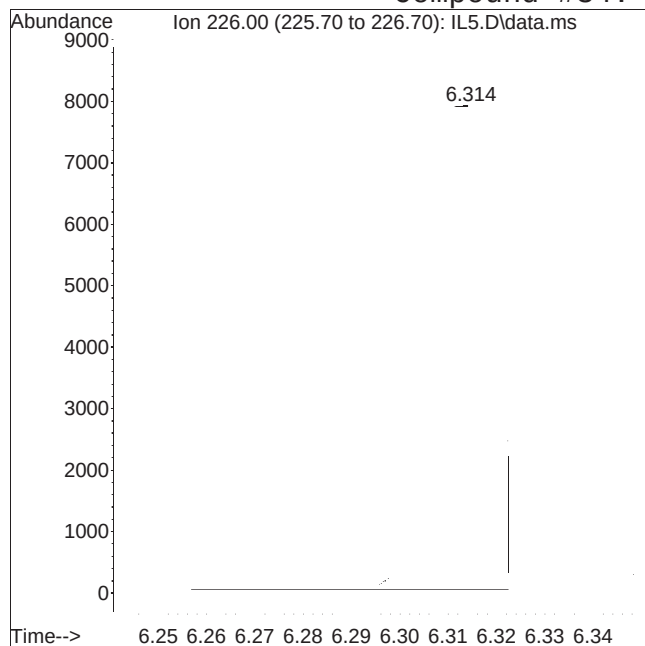
Manual Peak Response = 4507 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL5.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #34: Benzo[a]anthracene



Original Peak Response = 6794

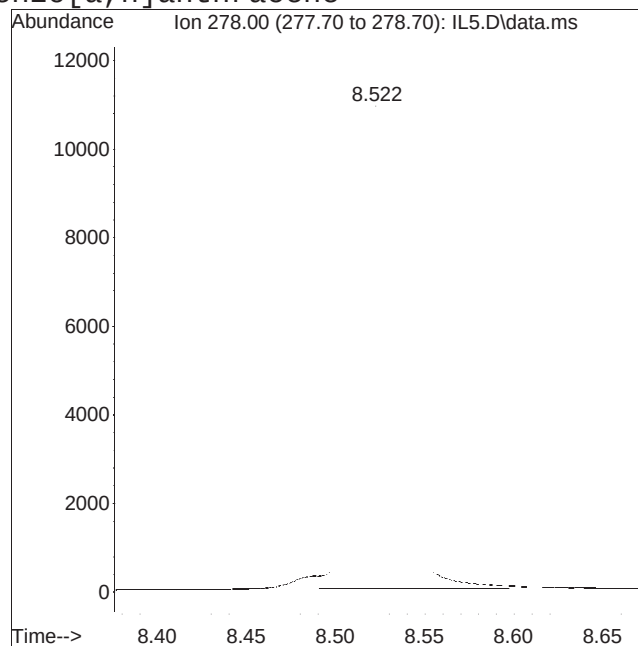
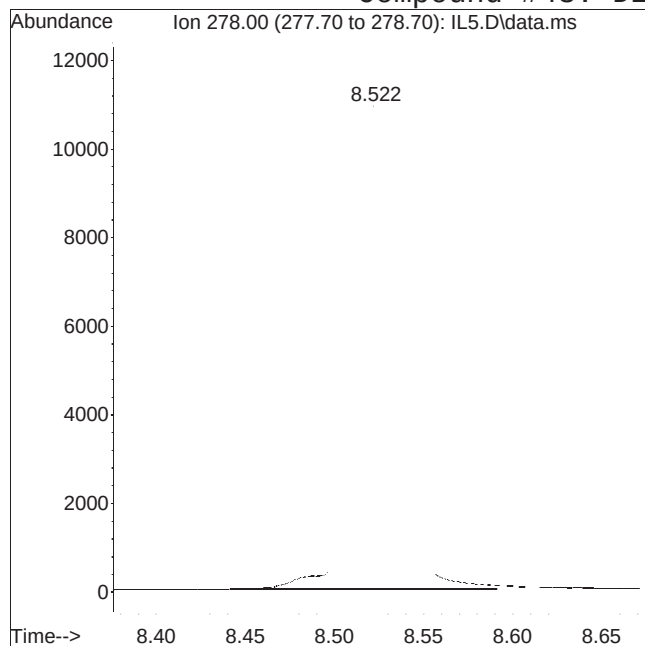
Manual Peak Response = 6794 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL5.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:24 pm Instrument : SV125
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 9/9/2025 2:38 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 16926

Manual Peak Response = 16550 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL4.D
 Acq On : 08 Sep 2025 08:41 pm
 Operator : SV125:ljj
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2112310,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 14:45:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:56 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	421517	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 130.51%			
9) Naphthalene-d8	2.974	136	1640647	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 129.15%			
18) Acenaphthene-d10	3.944	164	929612	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 128.80%			
23) Phenanthrene-d10	4.775	188	1813881	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 130.07%			
33) Chrysene-d12	6.318	240	1590467	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 134.92%			
38) Perylene-d12	7.399	264	1480752	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 129.46%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	1009	9.694	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.48%#			
4) Phenol-d6	2.139	99	1202	9.347	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.47%#			
8) Nitrobenzene-d5	2.599	82	957	9.320	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.93%#			
14) 2-Fluorobiphenyl	3.571	172	3539	10.570	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.06%#			
22) 2,4,6-Tribromophenol	4.384	330	259	7.494	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.37%#			
32) 4-Terphenyl-d14	5.695	244	3647	10.033	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.00%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.253	74	653M4	9.562	ng/mL	
5) Bis(2-chloroethyl)ether	2.188	93	1098M6	9.470	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	751	9.748	ng/ml	91
7) Hexachloroethane	2.574	117	531	10.040	ng/ml	100
10) Naphthalene	2.984	128	4471	10.306	ng/ml#	96
11) Hexachlorobutadiene	3.061	225	733	10.198	ng/ml	100
12) 2-Methylnaphthalene	3.364	142	2521	9.956	ng/ml	99
13) 1-Methylnaphthalene	3.418	142	2796	10.278	ng/ml	98
15) 2-Chloronaphthalene	3.632	162	2863	10.075	ng/ml	100
16) 2,6-Dinitrotoluene	3.828	165	431M6	8.216	ng/ml	
17) Acenaphthylene	3.861	152	4370	9.727	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL4.D
 Acq On : 08 Sep 2025 08:41 pm
 Operator : SV125:ljb
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2112310,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 14:45:51 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:56 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.959	153	3161	10.636	ng/ml	83
20)	2,4-Dinitrotoluene	4.054	165	567	28.530	ng/ml	98
21)	Fluorene	4.249	166	3309	9.943	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.286	198	79	36.807	ng/ml#	32
25)	Hexachlorobenzene	4.563	284	1024M6	10.398	ng/ml	
26)	Pentachlorophenol	4.675	266	107	21.678	ng/ml	89
27)	Phenanthrene	4.787	178	5459M1	10.537	ng/ml	
28)	Anthracene	4.817	178	4814M6	9.740	ng/ml	
29)	Fluoranthene	5.462	202	5576	9.952	ng/ml	100
30)	Pyrene	5.592	202	5733	9.969	ng/ml	99
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.313	226	1727	9.277	ng/ml#	2
35)	3,3'-Dichlorobenzidine	6.304	252	772	27.184	ng/ml#	1
36)	Chrysene	6.332	228	5032	9.963	ng/ml	97
37)	Bis(2-ethylhexyl)phtha...	6.356	149	2154	26.429	ng/ml	98
39)	Benzo[b]fluoranthene	7.062	252	4457	9.515	ng/ml	96
40)	Benzo[k]fluoranthene	7.082	252	4581	9.651	ng/ml	96
41)	Benzo[a]pyrene	7.335	252	3860	9.322	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.485	276	3626	9.216	ng/ml	100
43)	Dibenzo[a,h]anthracene	8.523	278	3491M6	8.949	ng/ml	
44)	Benzo[g,h,i]perylene	8.790	276	3786	9.335	ng/ml	99

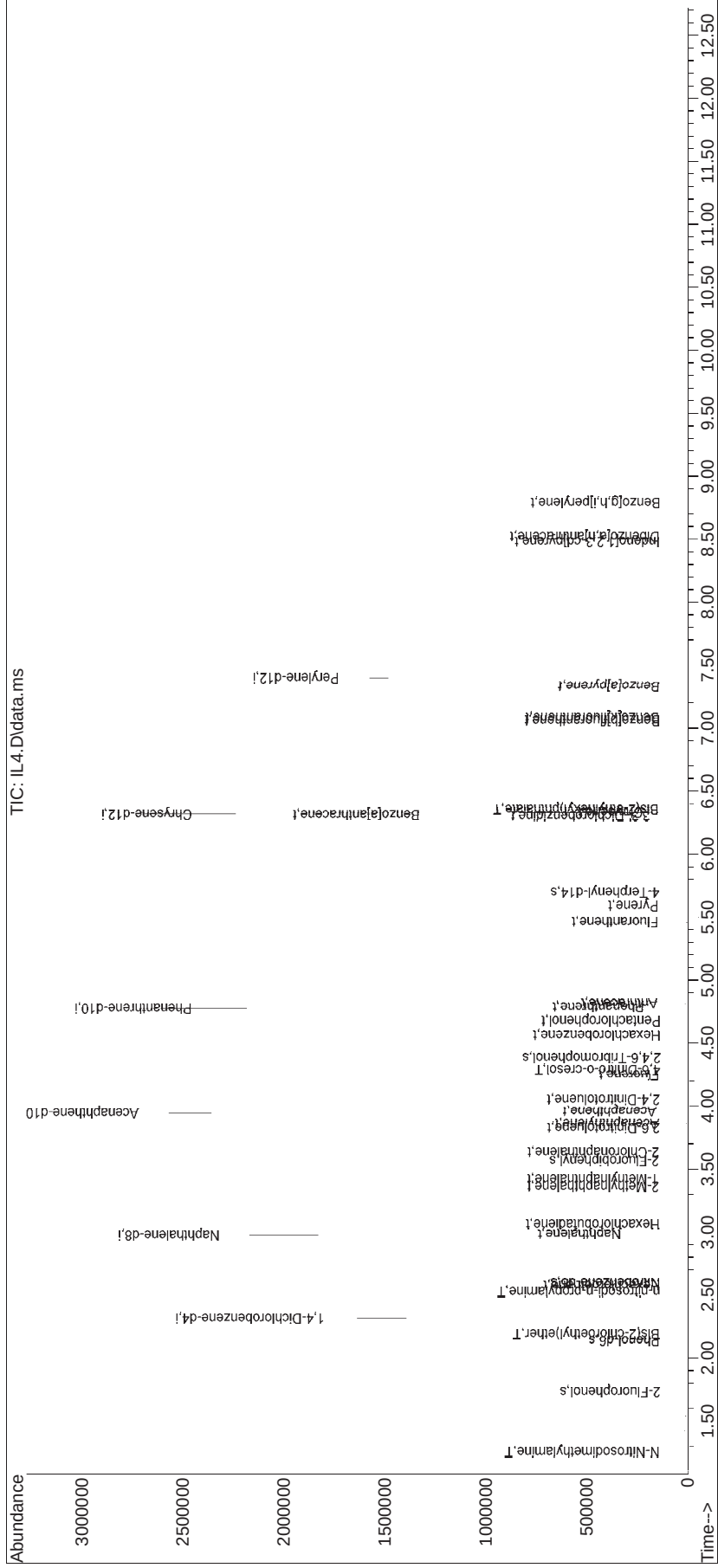
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL4.D
Acq On : 08 Sep 2025 08:41 pm
Operator : SV125:ljl
Sample : IL4,32,,0.01 Lot# 11704
Misc : WG2112310,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 09 14:45:51 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:37:56 2025
Response via : Initial Calibration

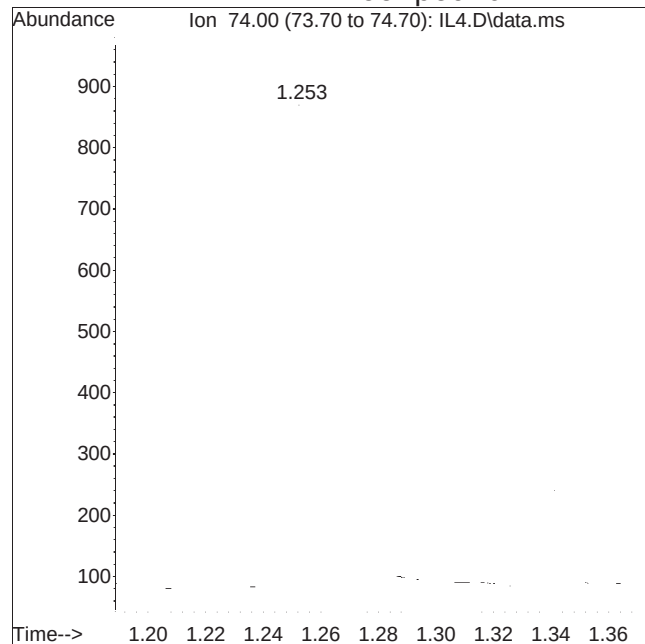
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

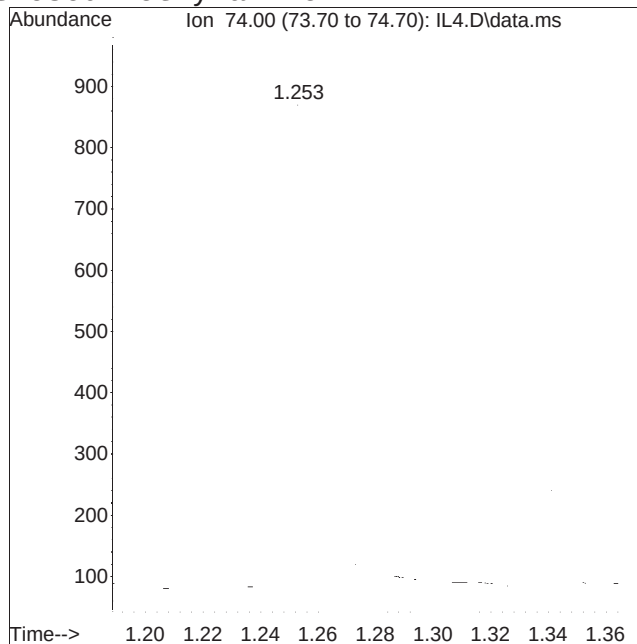
Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL4.D Operator : SV125:ljg
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 653

M4 = Poor automated baseline construction.

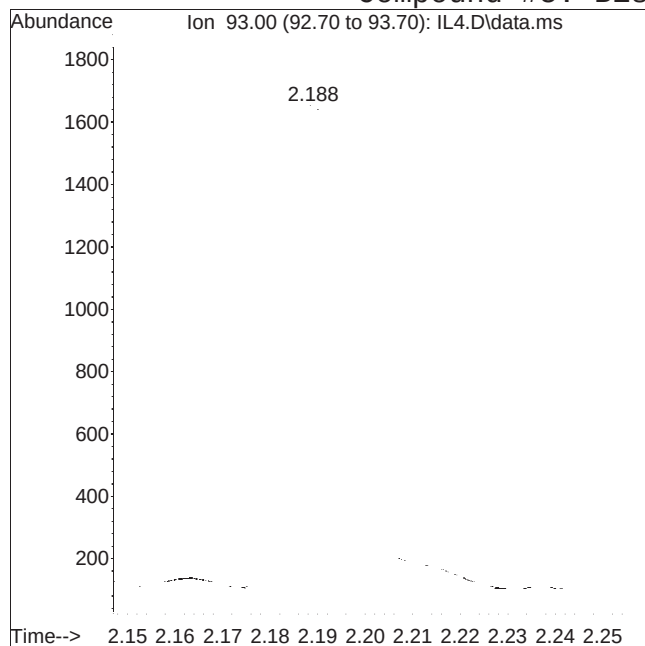


Manual Peak Response = 653 M4

Manual Integration Report

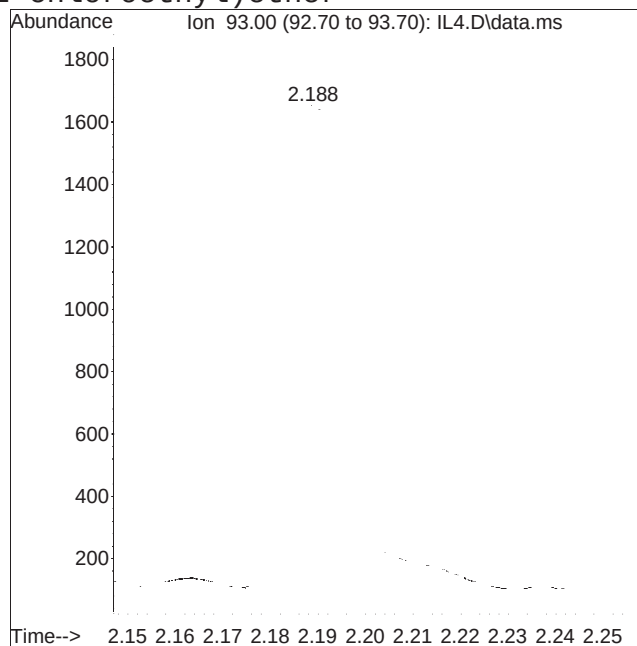
Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL4.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 1146

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

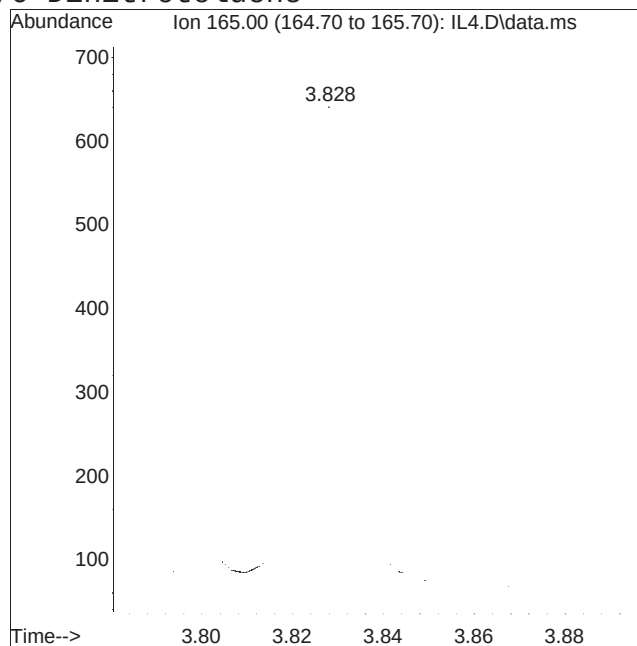
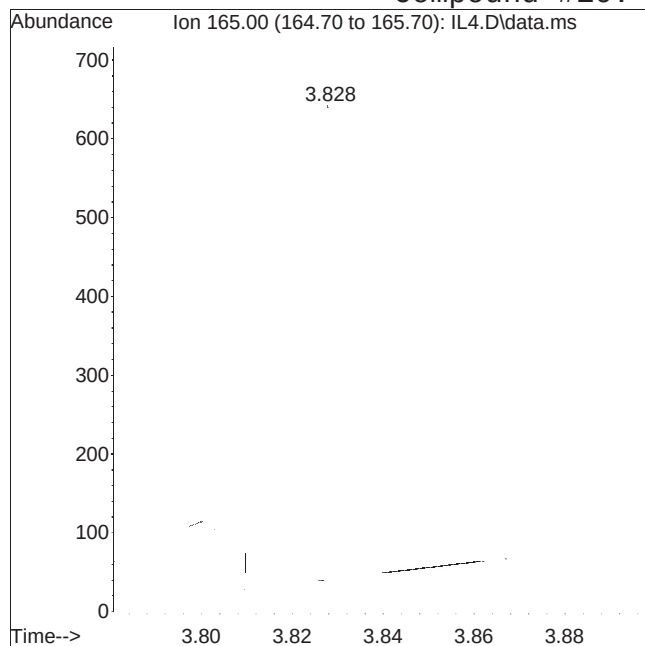


Manual Peak Response = 1098 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\data.ms
Data File : IL4.D
Date Inj'd : 9/8/2025 8:41 pm
Sample : IL4,32,,0.01 Lot# 11704
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #16: 2,6-Dinitrotoluene



Original Peak Response = 497

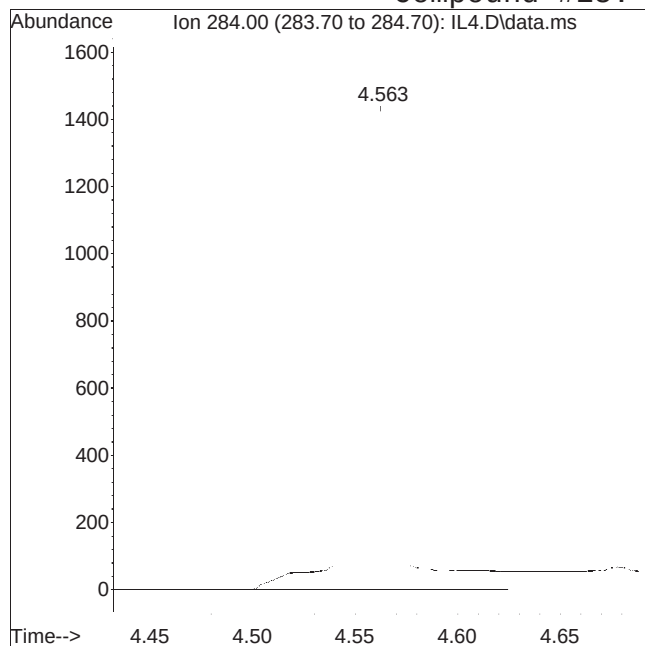
Manual Peak Response = 431 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

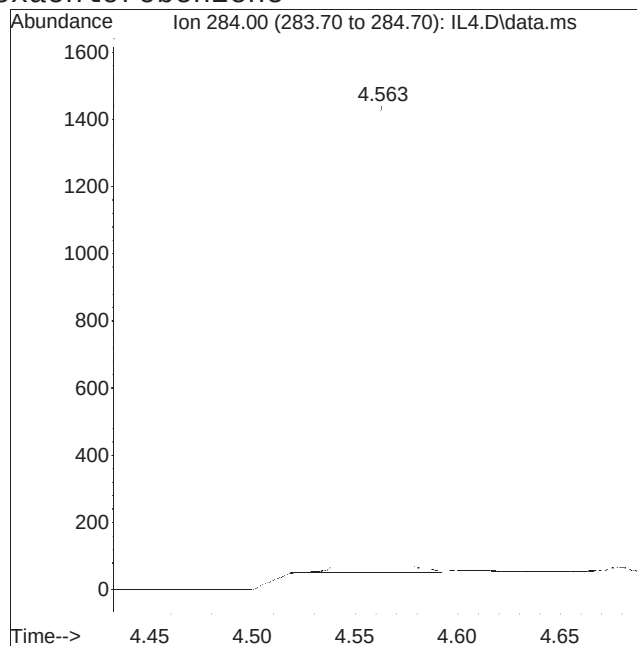
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Data File : IL4.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 1568

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

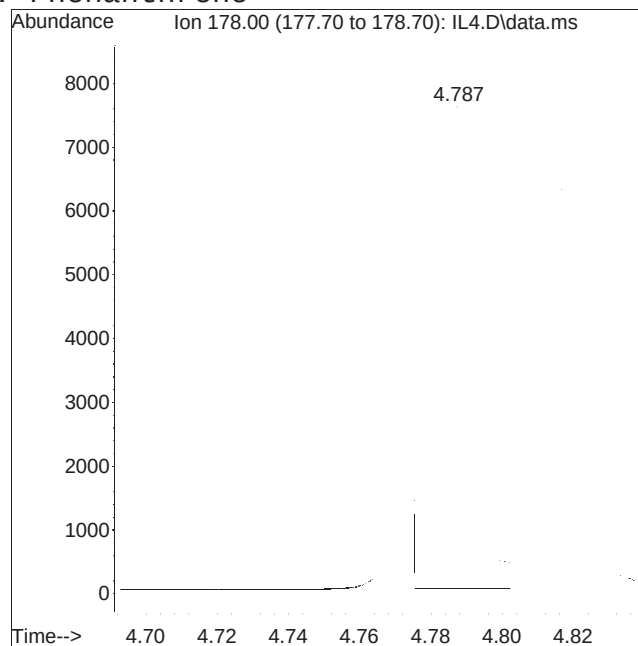
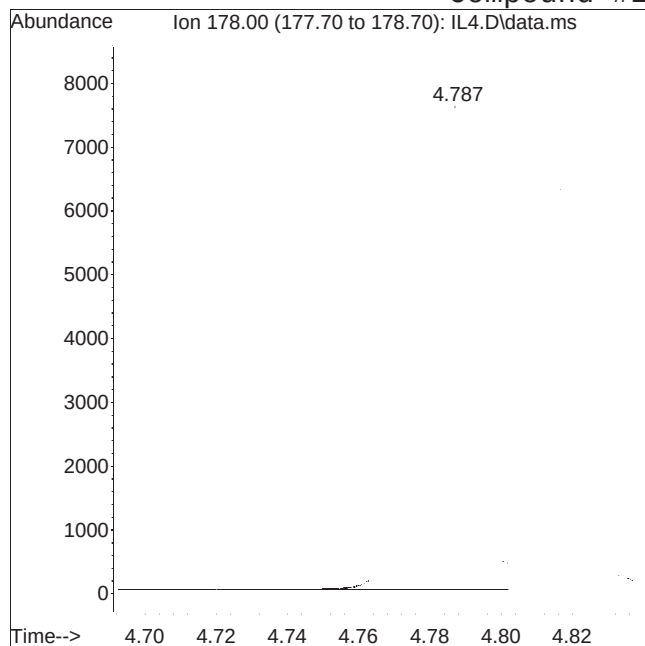


Manual Peak Response = 1024 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL4.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #27: Phenanthrene



Original Peak Response = 6189

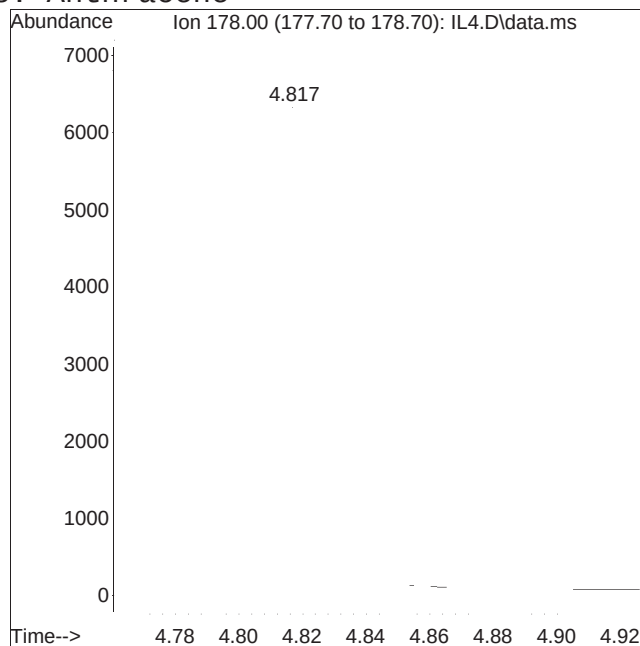
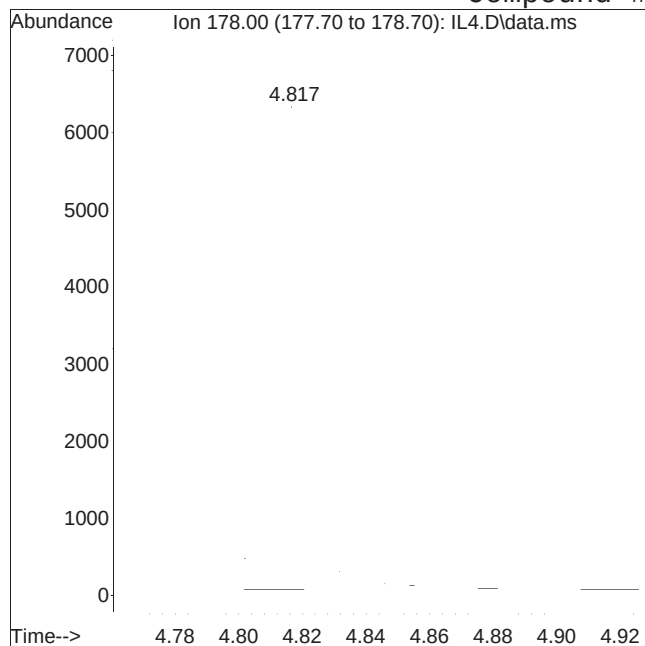
Manual Peak Response = 5459 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL4.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #28: Anthracene



Original Peak Response = 4935

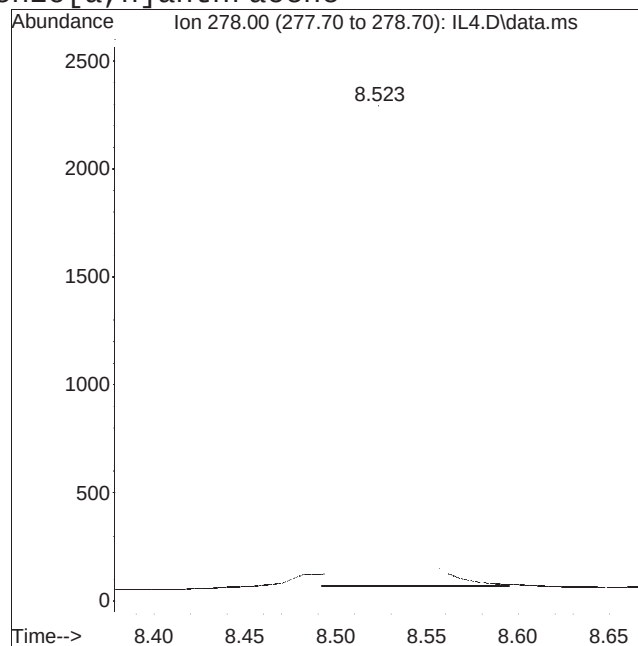
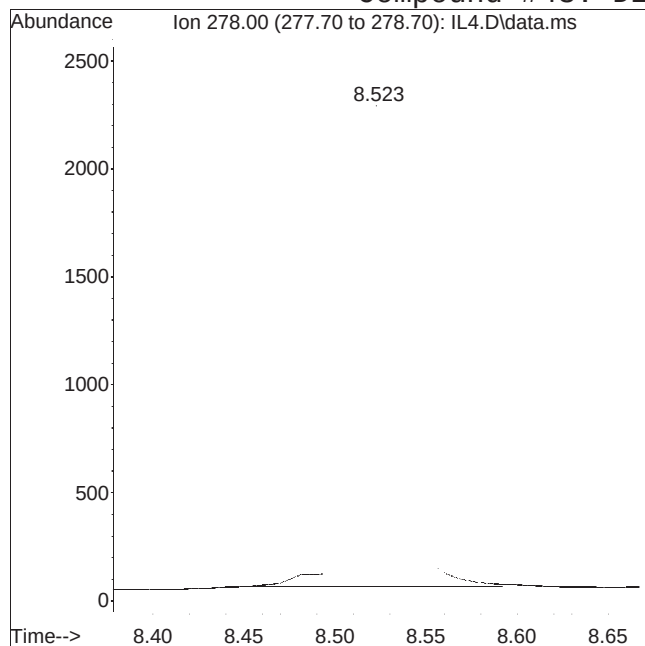
Manual Peak Response = 4814 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL4.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:41 pm Instrument : SV125
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 9/9/2025 2:37 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 3577

Manual Peak Response = 3491 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL3.D
 Acq On : 08 Sep 2025 08:58 pm
 Operator : SV125:ljj
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2112310,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 14:43:22 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.318	152	499847	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	154.76%	
9) Naphthalene-d8	2.975	136	1944524	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	153.07%	
18) Acenaphthene-d10	3.942	164	1094278	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	151.62%	
23) Phenanthrene-d10	4.776	188	2140206	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	153.48%	
33) Chrysene-d12	6.319	240	1884826	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	159.89%	
38) Perylene-d12	7.400	264	1777934	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	155.44%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.733	112	591	4.788	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.24%#	
4) Phenol-d6	2.141	99	732	4.800	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.24%#	
8) Nitrobenzene-d5	2.598	82	574	4.714	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.47%#	
14) 2-Fluorobiphenyl	3.572	172	2090	5.267	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.53%#	
22) 2,4,6-Tribromophenol	4.384	330	152	3.736	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	0.19%#	
32) 4-Terphenyl-d14	5.696	244	2160	5.036	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	0.50%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.250	74	379	4.680	ng/mL#	95
5) Bis(2-chloroethyl)ether	2.191	93	687M6	4.997	ng/ml	
6) n-nitrosodi-n-propylamine	2.524	70	449	4.915	ng/ml	95
7) Hexachloroethane	2.573	117	324	5.166	ng/ml	97
10) Naphthalene	2.985	128	2736	5.321	ng/ml#	92
11) Hexachlorobutadiene	3.061	225	444	5.212	ng/ml	100
12) 2-Methylnaphthalene	3.364	142	1503	5.008	ng/ml	98
13) 1-Methylnaphthalene	3.416	142	1664	5.161	ng/ml	97
15) 2-Chloronaphthalene	3.633	162	1690	5.018	ng/ml	99
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	3.859	152	2576	4.838	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL3.D
 Acq On : 08 Sep 2025 08:58 pm
 Operator : SV125:ljb
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2112310,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 14:43:22 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.960	153	1687M6	4.822	ng/ml	
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.247	166	1947	4.970	ng/ml	98
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.563	284	596M6	5.129	ng/ml	
26)	Pentachlorophenol	4.676	266	86	20.479	ng/ml	93
27)	Phenanthrene	4.788	178	3073M1	5.027	ng/ml	
28)	Anthracene	4.814	178	3003	5.149	ng/ml	97
29)	Fluoranthene	5.462	202	3381	5.114	ng/ml	100
30)	Pyrene	5.593	202	3430	5.055	ng/ml	97
31)	Benizidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	6.313	226	1281	5.049	ng/ml#	1
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.332	228	2966M1	4.955	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.354	149	1442	23.154	ng/ml	100
39)	Benzo[b]fluoranthene	7.060	252	2996	5.327	ng/ml	94
40)	Benzo[k]fluoranthene	7.083	252	2916	5.116	ng/ml	96
41)	Benzo[a]pyrene	7.337	252	2441	4.910	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.487	276	2514	5.322	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.524	278	2435M6	5.199	ng/ml	
44)	Benzo[g,h,i]perylene	8.791	276	2616	5.372	ng/ml	100

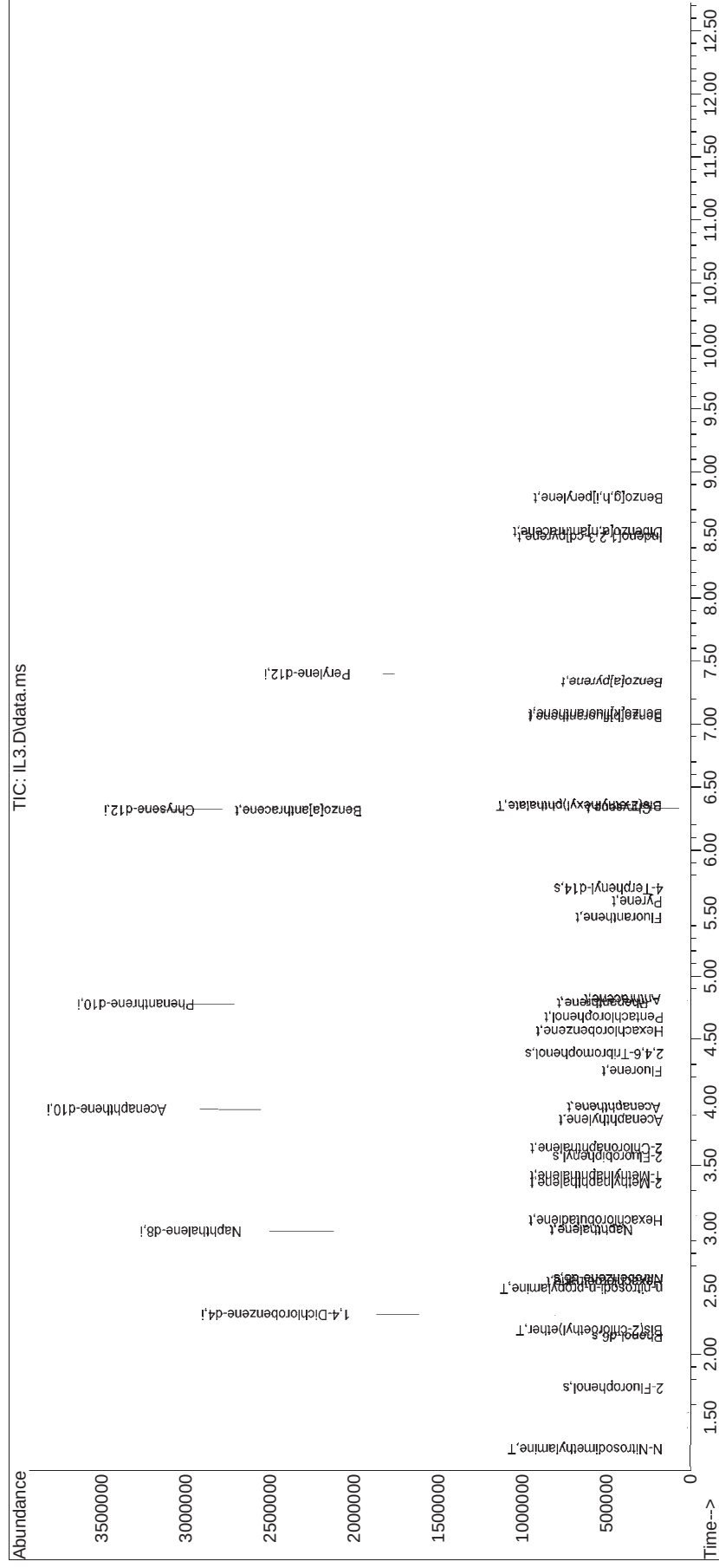
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL3.D
 Acq On : 08 Sep 2025 08:58 pm
 Operator : SV125:ljl
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2112310,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 09 14:43:22 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 14:37:50 2025
 Response via : Initial Calibration

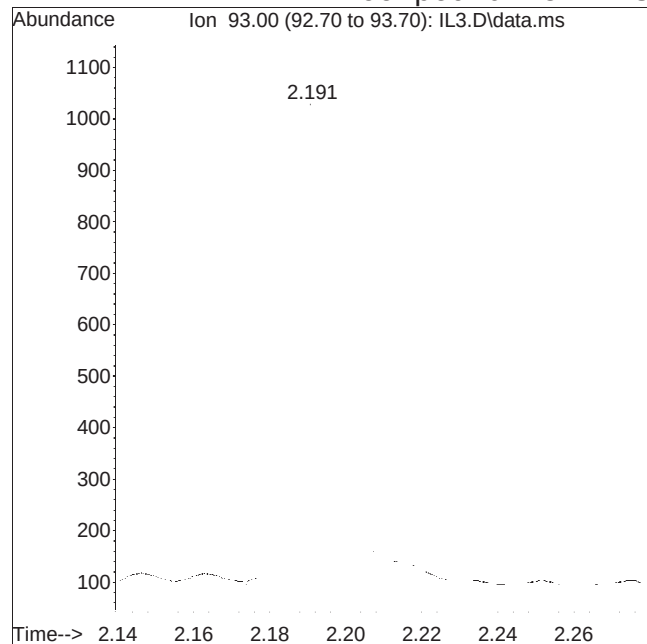
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

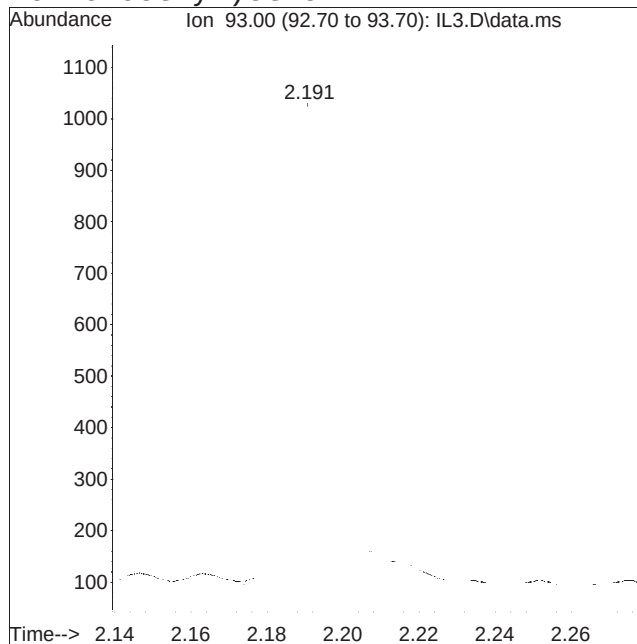
Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL3.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 713

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

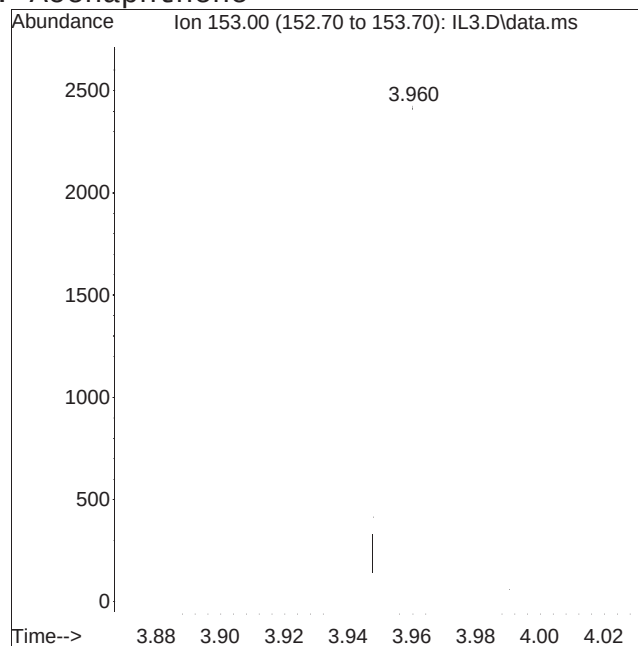
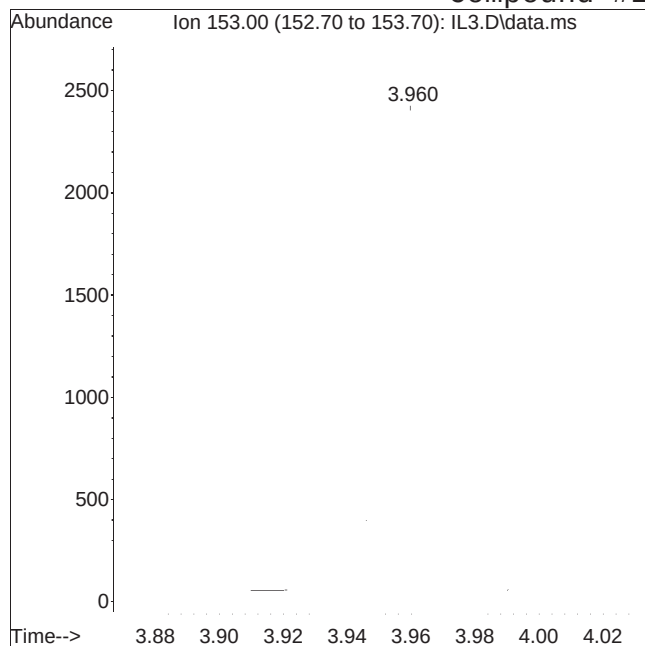


Manual Peak Response = 687 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL3.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #19: Acenaphthene



Original Peak Response = 1909

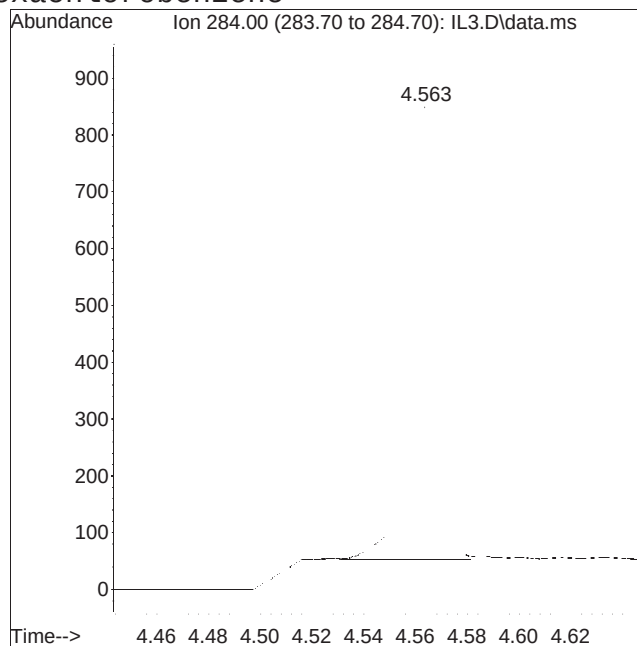
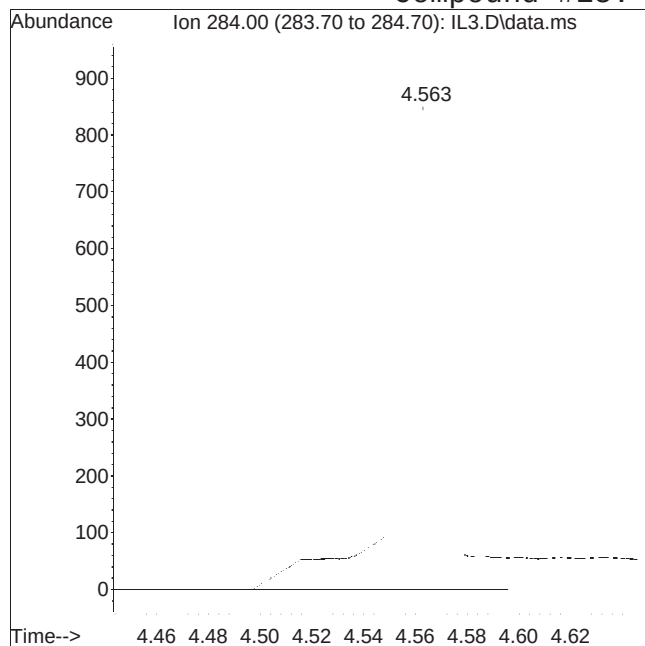
Manual Peak Response = 1687 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : IL3.D
Date Inj'd : 9/8/2025 8:58 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 1025

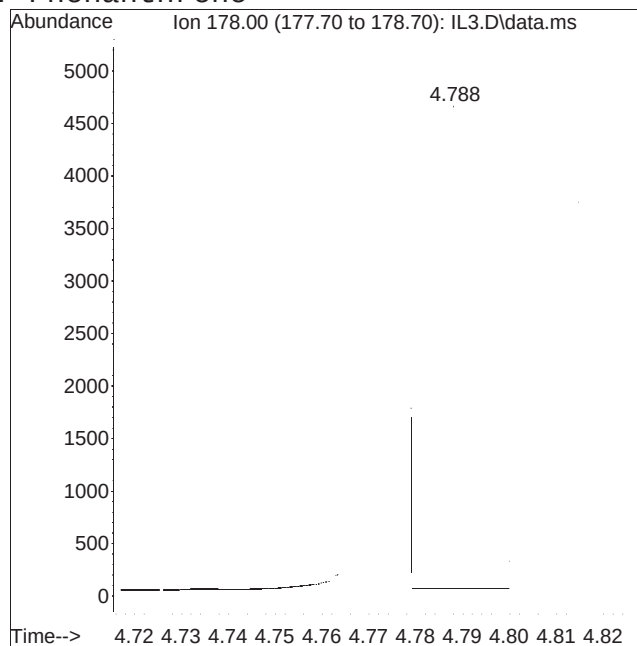
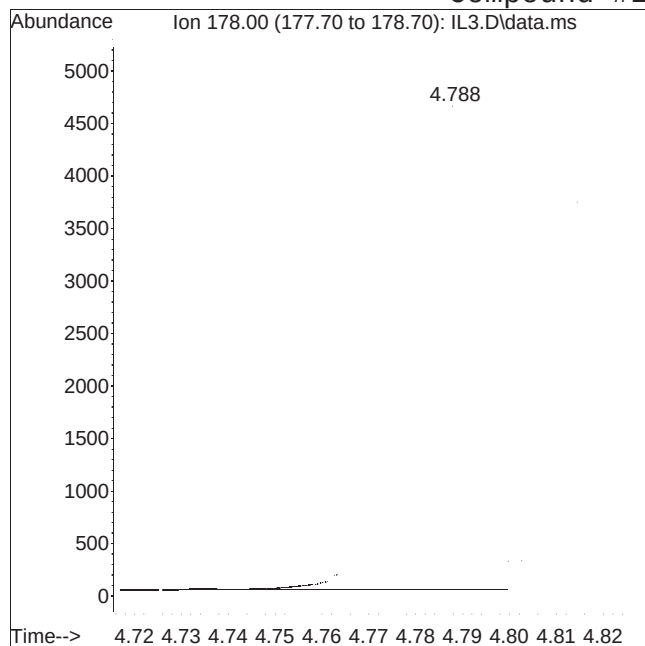
Manual Peak Response = 596 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL3.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #27: Phenanthrene



Original Peak Response = 4100

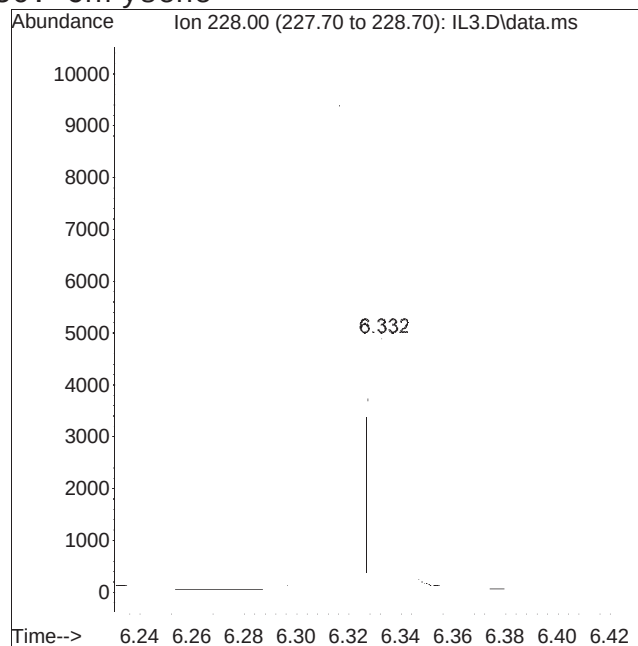
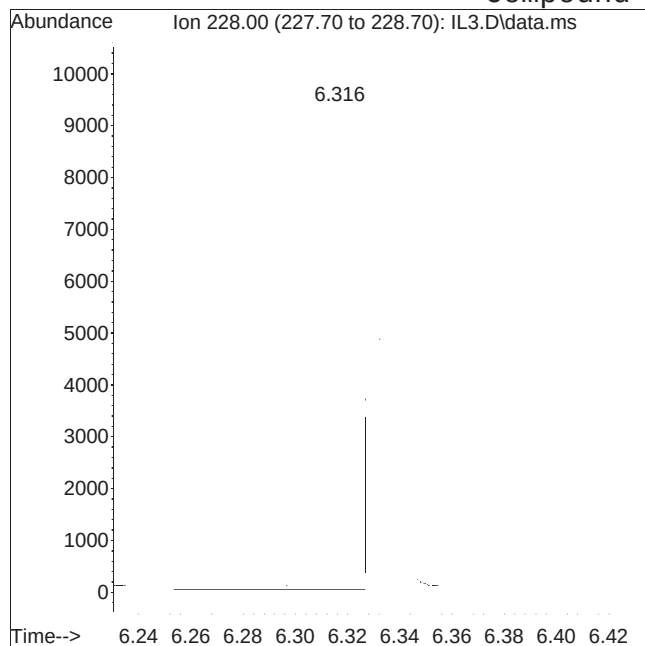
Manual Peak Response = 3073 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL3.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 8:58 pm Instrument : SV125
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 9/9/2025 2:37 pm

Compound #36: Chrysene



Original Peak Response = 8961

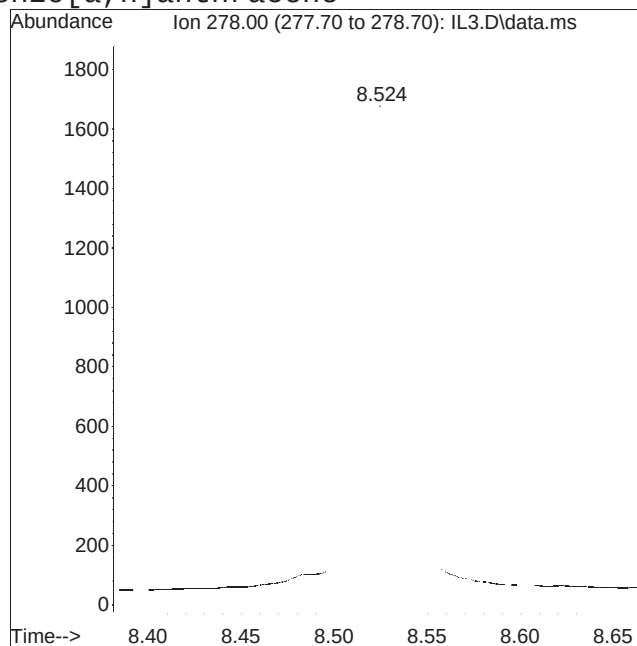
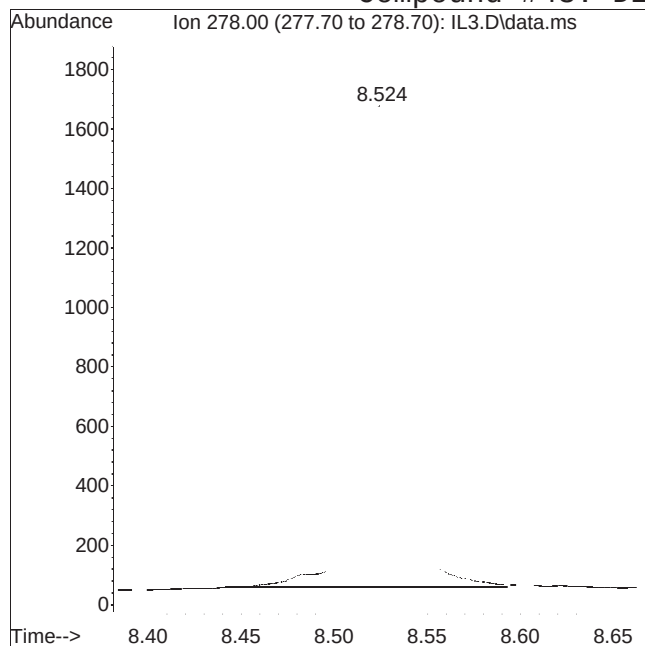
Manual Peak Response = 2966 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\data.ms
Data File : IL3.D
Date Inj'd : 9/8/2025 8:58 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 2528

Manual Peak Response = 2435 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL2.D
 Acq On : 08 Sep 2025 09:14 pm
 Operator : SV125:ljj
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2112310,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 14:42:01 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:44 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	449714	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery	=	139.24%	
9) Naphthalene-d8	2.975	136	1759388	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery	=	138.49%	
18) Acenaphthene-d10	3.944	164	997843	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery	=	138.26%	
23) Phenanthrene-d10	4.775	188	1965931	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery	=	140.98%	
33) Chrysene-d12	6.318	240	1714297	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery	=	145.42%	
38) Perylene-d12	7.398	264	1608825	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery	=	140.65%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	213	1.918	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.10%#	
4) Phenol-d6	2.141	99	237	1.727	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.09%#	
8) Nitrobenzene-d5	2.599	82	214	1.953	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.20%#	
14) 2-Fluorobiphenyl	3.571	172	730	2.033	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.20%#	
22) 2,4,6-Tribromophenol	4.384	330	55M7	1.483	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.07%#	
32) 4-Terphenyl-d14	5.695	244	826	2.097	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.21%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.250	74	126	1.729	ng/mL#	2
5) Bis(2-chloroethyl)ether	2.191	93	238M6	1.924	ng/ml	
6) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
7) Hexachloroethane	2.574	117	122	2.162	ng/ml	95
10) Naphthalene	2.984	128	1091	2.345	ng/ml#	83
11) Hexachlorobutadiene	3.061	225	153	1.985	ng/ml	90
12) 2-Methylnaphthalene	3.364	142	566	2.084	ng/ml	97
13) 1-Methylnaphthalene	3.418	142	590	2.022	ng/ml	98
15) 2-Chloronaphthalene	3.632	162	613	2.012	ng/ml	93
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL2.D
 Acq On : 08 Sep 2025 09:14 pm
 Operator : SV125:ljb
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2112310,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 14:42:01 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:44 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.861	152	924	1.918	ng/ml	99
19)	Acenaphthene	3.959	153	640M6	2.006	ng/ml	
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.250	166	736	2.060	ng/ml	98
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.563	284	213M6	1.996	ng/ml	
26)	Pentachlorophenol	4.678	266	91	20.868	ng/ml	92
27)	Phenanthrene	4.787	178	1306M6	2.326	ng/ml	
28)	Anthracene	4.817	178	1099	2.052	ng/ml	98
29)	Fluoranthene	5.462	202	1242	2.045	ng/ml	95
30)	Pyrene	5.592	202	1271	2.039	ng/ml	99
31)	Benzidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	6.318	226	708	2.274	ng/ml#	1
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
36)	Chrysene	6.332	228	831M1	1.527	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.356	149	776	21.418	ng/ml	99
39)	Benzo[b]fluoranthene	7.062	252	953	1.873	ng/ml	96
40)	Benzo[k]fluoranthene	7.082	252	1001	1.941	ng/ml	99
41)	Benzo[a]pyrene	7.335	252	800	1.778	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.485	276	770	1.801	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.519	278	727	1.715	ng/ml	99
44)	Benzo[g,h,i]perylene	8.793	276	786	1.784	ng/ml	98

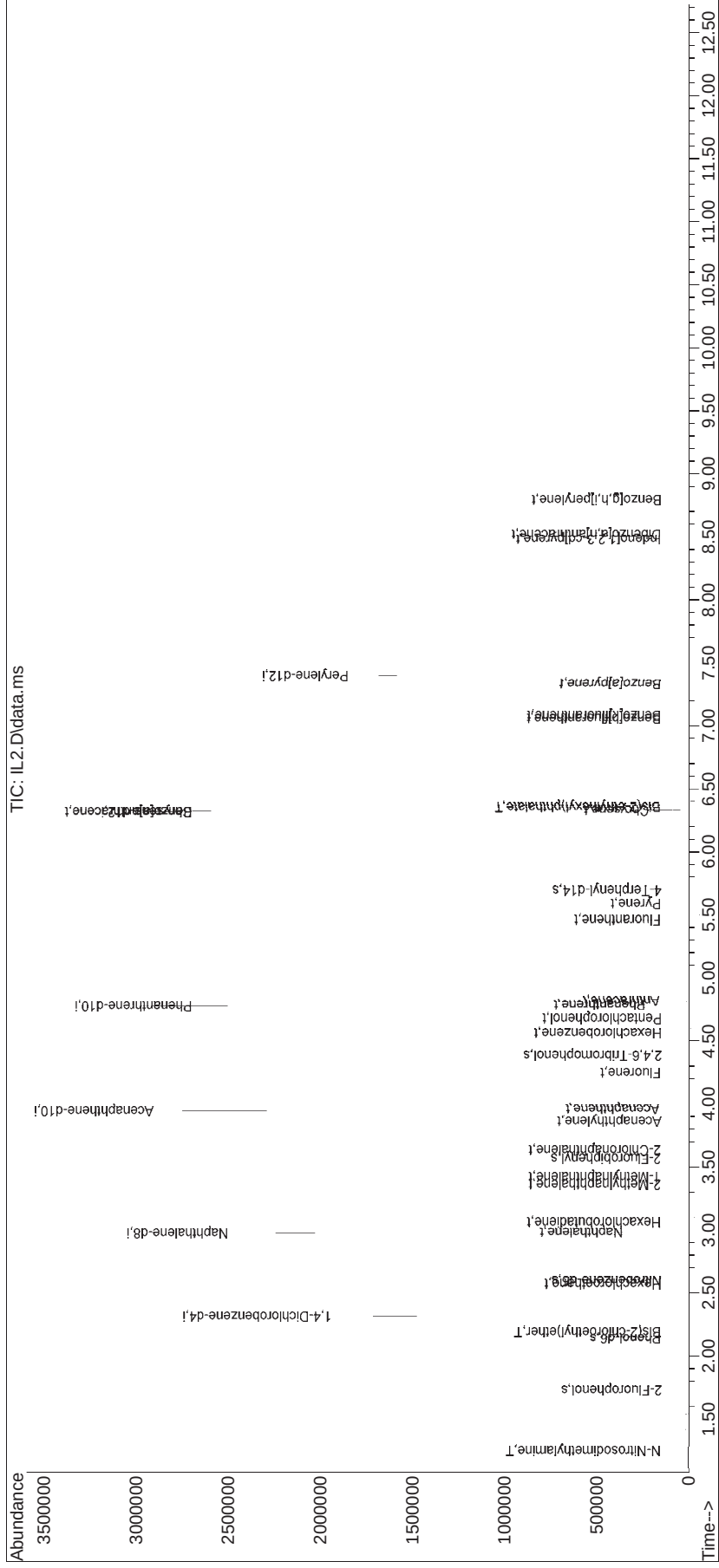
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL2.D
Acq On : 08 Sep 2025 09:14 pm
Operator : SV125:ljl
Sample : IL2,32,,0.002 Lot# 11706
Misc : WG2112310,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 14:42:01 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 14:37:44 2025
Response via : Initial Calibration

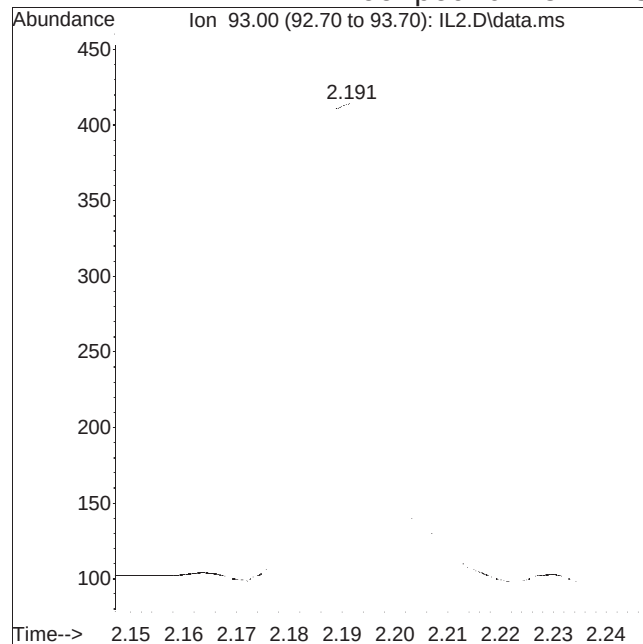
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

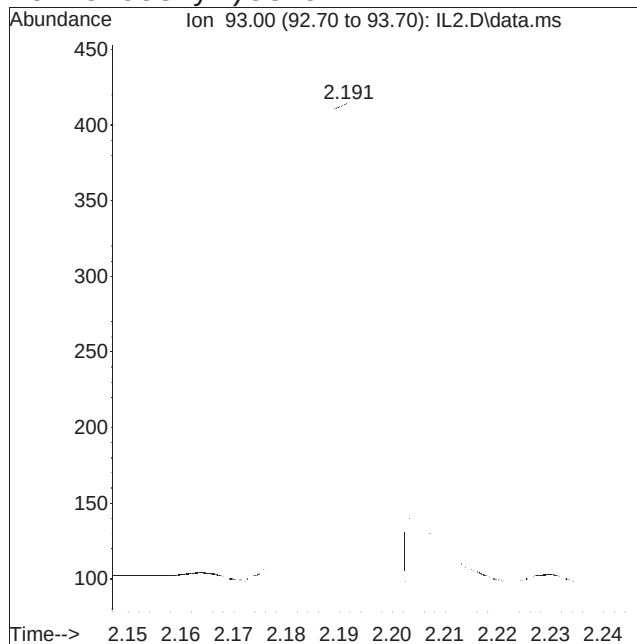
Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL2.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 255

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

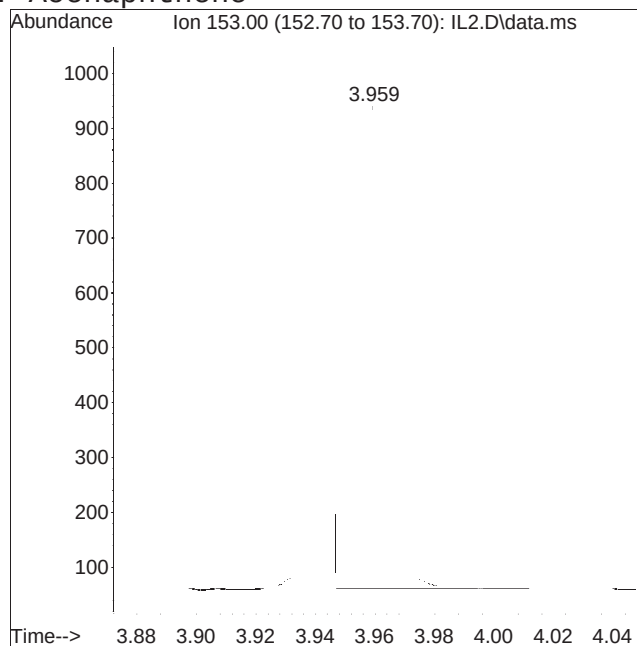
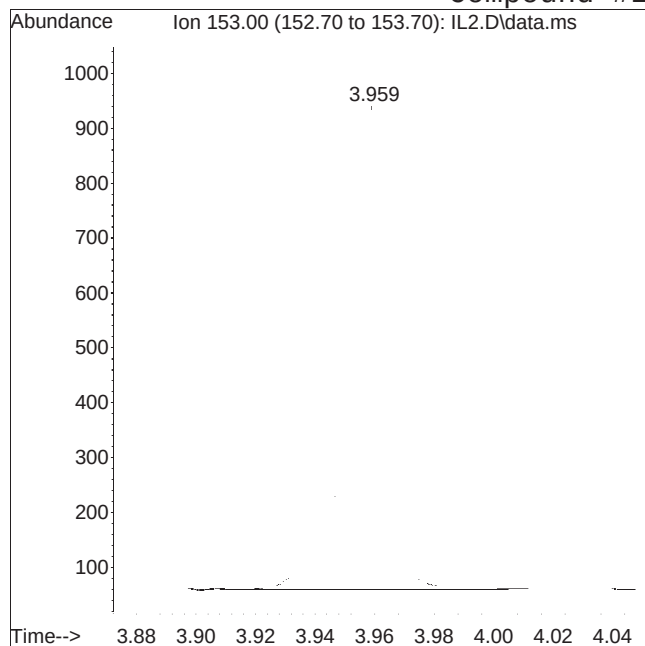


Manual Peak Response = 238 M6

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL2.D Operator : SV125:ljj
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #19: Acenaphthene



Original Peak Response = 772

Manual Peak Response = 640 M6

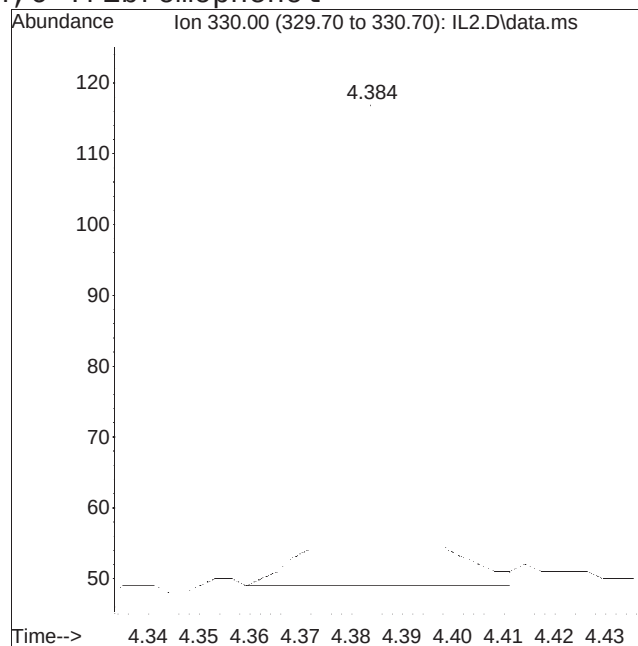
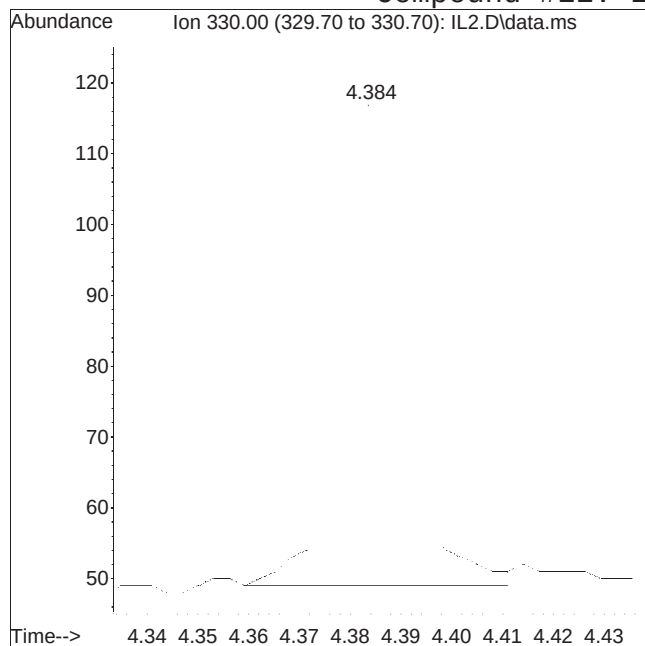
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : IL2.D
Date Inj'd : 9/8/2025 9:14 pm
Sample : IL2,32,,0.002 Lot# 11706

Method :
Operator : SV125:ljg
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 55

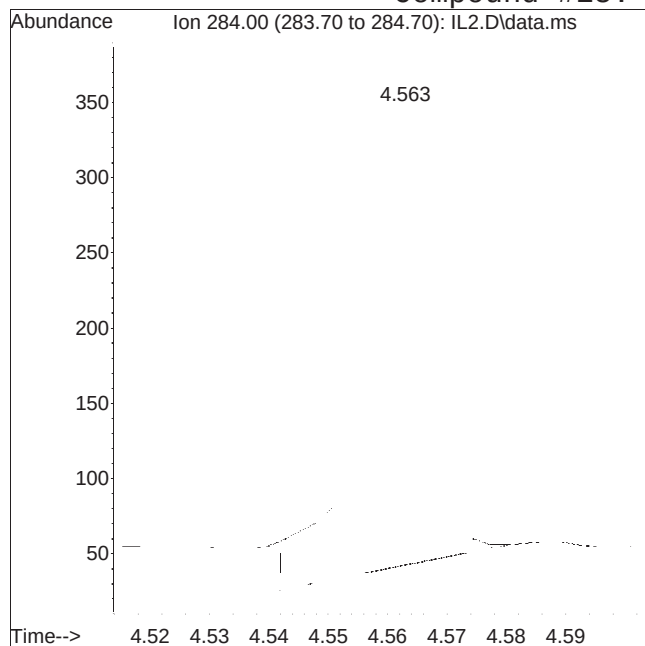
Manual Peak Response = 55 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

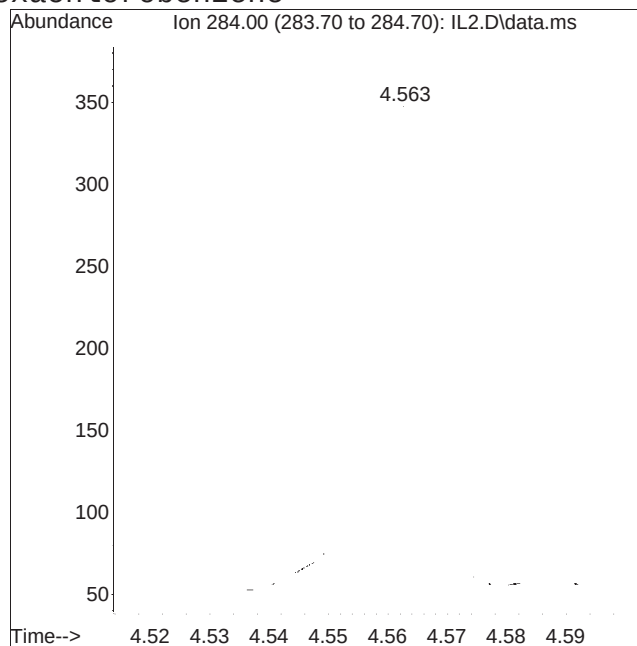
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT\data.ms
Data File : IL2.D
Date Inj'd : 9/8/2025 9:14 pm
Sample : IL2,32,,0.002 Lot# 11706
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 240



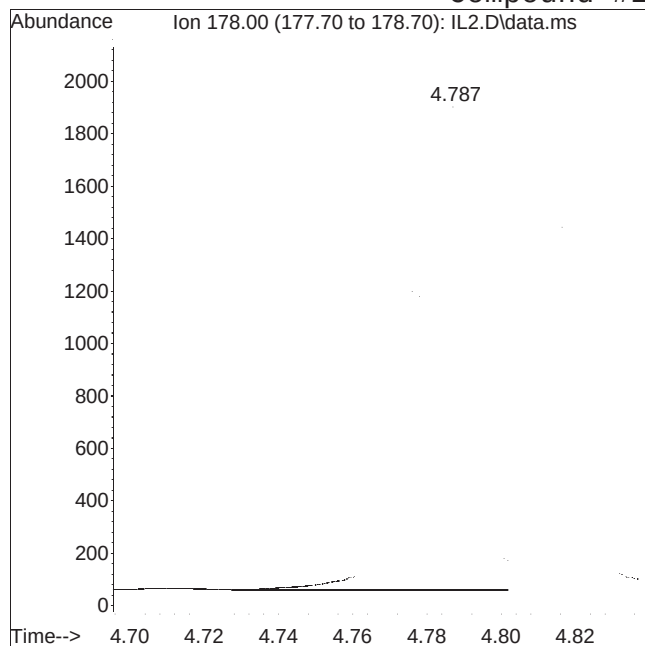
Manual Peak Response = 213 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

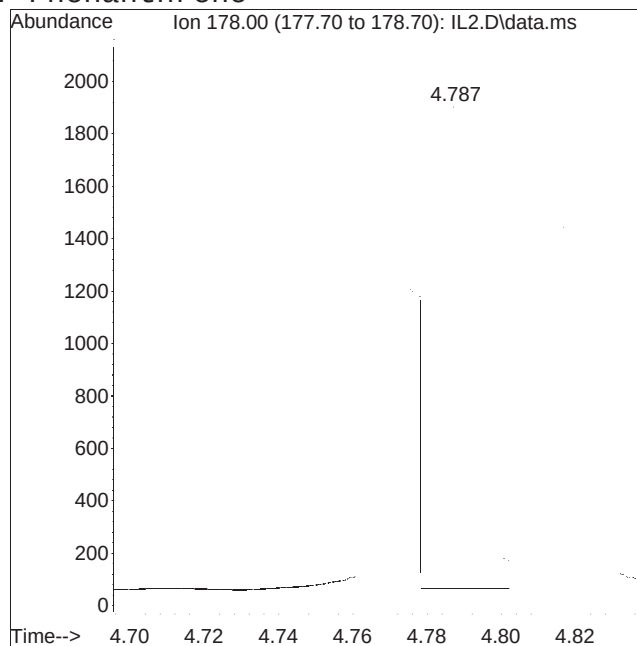
Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT
Data File : IL2.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #27: Phenanthrene



Original Peak Response = 2081



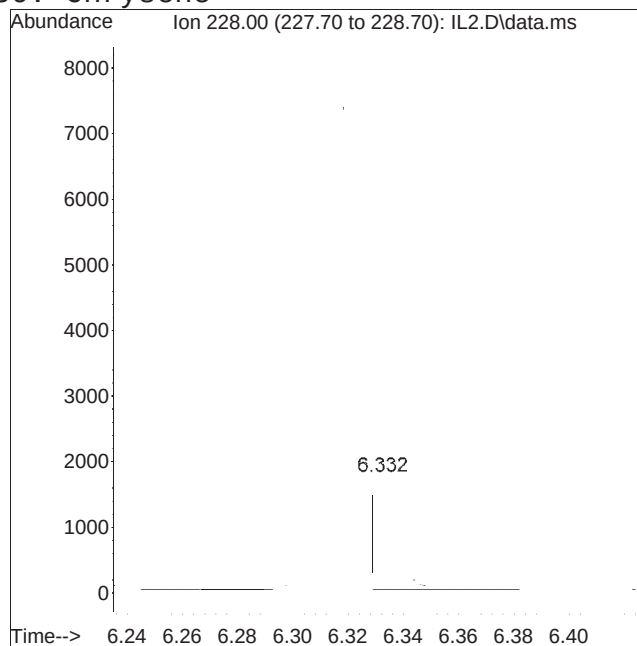
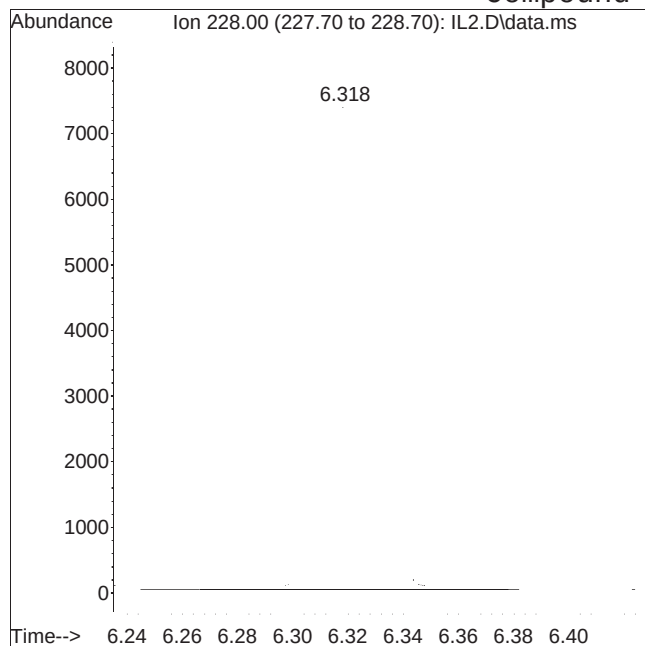
Manual Peak Response = 1306 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL2.D Operator : SV125:ljb
Date Inj'd : 9/8/2025 9:14 pm Instrument : SV125
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 9/9/2025 2:37 pm

Compound #36: Chrysene



Original Peak Response = 7102

Manual Peak Response = 831 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL1.D
 Acq On : 08 Sep 2025 09:31 pm
 Operator : SV125:ljj
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2112310,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 14:40:10 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 14:37:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	424451	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 131.42%			
9) Naphthalene-d8	2.974	136	1663642	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 130.96%			
18) Acenaphthene-d10	3.943	164	942743	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 130.62%			
23) Phenanthrene-d10	4.775	188	1853512	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 132.92%			
33) Chrysene-d12	6.317	240	1626978	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 138.02%			
38) Perylene-d12	7.398	264	1516070	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 132.54%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	100	0.954	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
4) Phenol-d6	2.139	99	120	0.927	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
8) Nitrobenzene-d5	2.599	82	86	0.832	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.08%#			
14) 2-Fluorobiphenyl	3.570	172	338	0.996	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.10%#			
22) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
32) 4-Terphenyl-d14	5.694	244	418	1.125	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
6) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
13) 1-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : IL1.D
Acq On : 08 Sep 2025 09:31 pm
Operator : SV125:ljb
Sample : IL1,32,,0.001 Lot# 11707
Misc : WG2112310,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 14:40:10 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 09 14:37:31 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	0.000		0	N.D.	d	
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	0.000		0	N.D.	d	
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.562	284	95M1	0.944	ng/ml	
26)	Pentachlorophenol	0.000		0	N.D.	d	
27)	Phenanthrene	0.000		0	N.D.	d	
28)	Anthracene	0.000		0	N.D.	d	
29)	Fluoranthene	0.000		0	N.D.	d	
30)	Pyrene	0.000		0	N.D.	d	
31)	Benzidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	0.000		0	N.D.	d	
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
36)	Chrysene	0.000		0	N.D.	d	
37)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
39)	Benzo[b]fluoranthene	0.000		0	N.D.	d	
40)	Benzo[k]fluoranthene	0.000		0	N.D.	d	
41)	Benzo[a]pyrene	0.000		0	N.D.	d	
42)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

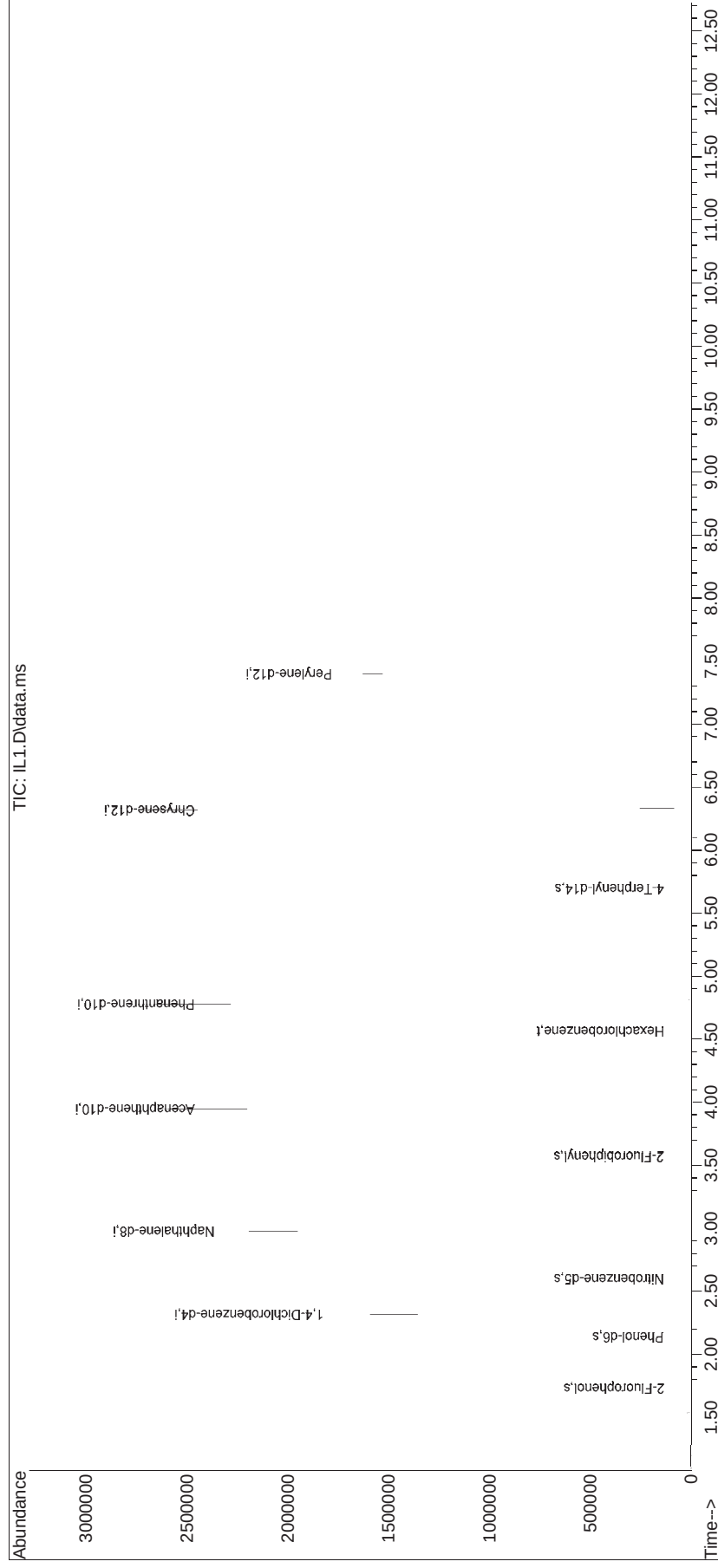
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : IL1.D
 Acq On : 08 Sep 2025 09:31 pm
 Operator : SV125:ljj
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2112310
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 09 14:40:10 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Tue Sep 09 14:37:31 2025
 Response via : Initial Calibration

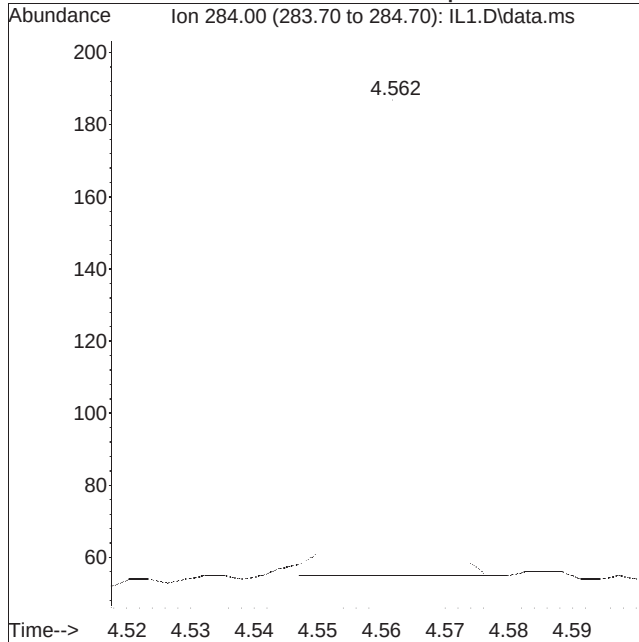
Sub List : Default - All compounds listedical\IL8.D•



Manual Integration Report

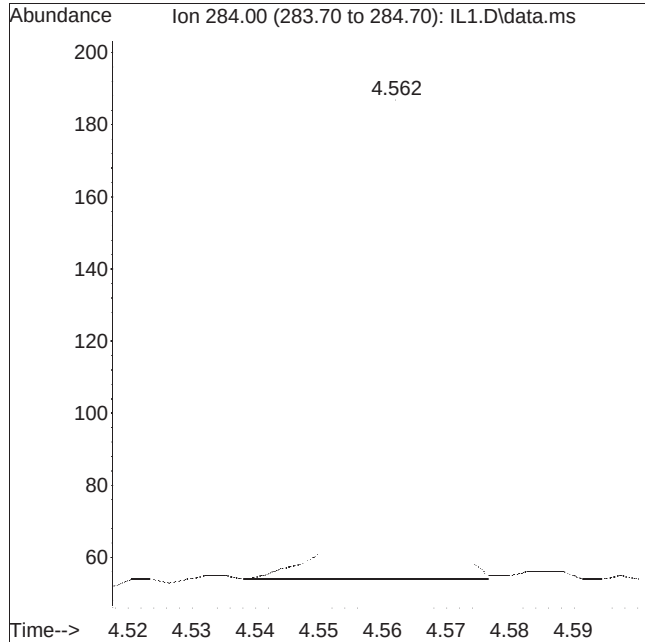
Data Path : I:\8270SIM\SV125\250908RVT\Method : SIM-RVT_250908_sv125.M
Data File : IL1.D Operator : SV125:ljl
Date Inj'd : 9/8/2025 9:31 pm Instrument : SV125
Sample : IL1,32,,0.001 Lot# 11707 Quant Date : 9/9/2025 2:37 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 92

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 95 M1

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljl
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	170	0.00
2 T	N-Nitrosodimethylamine	0.648	0.672	-3.7	172	0.00
3 s	2-Fluorophenol	0.988	1.087	-10.0	175	0.00
4 s	Phenol-d6	1.220	1.436	-17.7	187	0.00
5 T	Bis(2-chloroethyl)ether	1.100	1.116	-1.5	167	0.00
6 T	n-nitrosodi-n-propylamine	0.731	0.758	-3.7	173	0.00
7 t	Hexachloroethane	0.502	0.495	1.4	170	0.00
8 s	Nitrobenzene-d5	0.974	1.036	-6.4	167	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	169	0.00
10 t	Naphthalene	1.058	0.997	5.8	168	0.00
11 t	Hexachlorobutadiene	0.175	0.173	1.1	169	0.00
12 t	2-Methylnaphthalene	0.617	0.645	-4.5	176	0.00
13 t	1-Methylnaphthalene	0.663	0.654	1.4	170	0.00
14 s	2-Fluorobiphenyl	0.816	0.800	2.0	170	0.00
15 t	2-Chloronaphthalene	0.693	0.687	0.9	169	0.00
16 t	2,6-Dinitrotoluene	0.128	0.137	-7.0	171	0.00
17 t	Acenaphthylene	1.095	1.139	-4.0	169	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	170	0.00
19 t	Acenaphthene	1.279	1.255	1.9	169	0.00
20 t	2,4-Dinitrotoluene	*1000.000	944.292	5.6	167	0.00
21 t	Fluorene	1.432	1.434	-0.1	169	0.00
22 s	2,4,6-Tribromophenol	0.149	0.189	-26.8#	189	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	168	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	914.376	8.6	169	0.00
25 t	Hexachlorobenzene	0.217	0.215	0.9	166	0.00
26 t	Pentachlorophenol	*1000.000	1278.747	-27.9#	240	0.00
27 t	Phenanthrene	1.143	1.097	4.0	164	0.00
28 t	Anthracene	1.090	1.104	-1.3	169	0.00
29 t	Fluoranthene	1.236	1.258	-1.8	172	0.00
30 t	Pyrene	1.268	1.279	-0.9	167	0.00
31 T	Benzidine	*1000.000	697.699	30.2#	123	0.00
32 s	4-Terphenyl-d14	0.802	0.784	2.2	170	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	167	0.00
34 t	Benzo[a]anthracene	*1000.000	1016.927	-1.7	170	0.00
35 t	3,3'-Dichlorobenzidine	*1000.000	1009.506	-1.0	176	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area	% Dev(min)
36 t	Chrysene	1.270	1.286	-1.3	163	0.00
37 T	Bis(2-ethylhexyl)phthalate	*1000.000	1054.035	-5.4	184	-0.01
38 i	Perylene-d12	1.000	1.000	0.0	173	0.00
39 t	Benzo[b]fluoranthene	1.265	1.248	1.3	171	0.00
40 t	Benzo[k]fluoranthene	1.282	1.298	-1.2	165	0.00
41 t	Benzo[a]pyrene	1.119	1.168	-4.4	171	0.00
42 t	Indeno[1,2,3-cd]pyrene	1.063	1.105	-4.0	170	0.00
43 t	Dibenzo[a,h]anthracene	1.054	1.048	0.6	166	0.00
44 t	Benzo[g,h,i]perylene	1.096	1.115	-1.7	169	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.316	152	549674	4000.000	ng/ml	0.00
Standard Area 1 = 322973			Recovery = 170.19%			
9) Naphthalene-d8	2.974	136	2151880	4000.000	ng/ml	0.00
Standard Area 1 = 1270390			Recovery = 169.39%			
18) Acenaphthene-d10	3.944	164	1229169	4000.000	ng/ml	0.00
Standard Area 1 = 721721			Recovery = 170.31%			
23) Phenanthrene-d10	4.776	188	2347522	4000.000	ng/ml	0.00
Standard Area 1 = 1394496			Recovery = 168.34%			
33) Chrysene-d12	6.318	240	1966263	4000.000	ng/ml	0.00
Standard Area 1 = 1178823			Recovery = 166.80%			
38) Perylene-d12	7.396	264	1973423	4000.000	ng/ml	0.00
Standard Area 1 = 1143832			Recovery = 172.53%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	149314	1100.039	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 55.00%			
4) Phenol-d6	2.139	99	197284	1176.476	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 58.82%			
8) Nitrobenzene-d5	2.596	82	142354	1063.070	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 106.31%			
14) 2-Fluorobiphenyl	3.571	172	430372	980.005	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.00%			
22) 2,4,6-Tribromophenol	4.384	330	58146	1272.383	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 63.62%			
32) 4-Terphenyl-d14	5.693	244	460025	977.828	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.78%			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.243	74	92359	1037.095	ng/mL	98
5) Bis(2-chloroethyl)ether	2.188	93	153317	1014.041	ng/ml	99
6) n-nitrosodi-n-propylamine	2.521	70	104142	1036.629	ng/ml	100
7) Hexachloroethane	2.574	117	68051	986.702	ng/ml	100
10) Naphthalene	2.984	128	536172	942.262	ng/ml	100
11) Hexachlorobutadiene	3.061	225	93306	989.749	ng/ml	100
12) 2-Methylnaphthalene	3.364	142	346747	1044.089	ng/ml	99
13) 1-Methylnaphthalene	3.419	142	351657	985.579	ng/ml	100
15) 2-Chloronaphthalene	3.632	162	369582	991.578	ng/ml	100
16) 2,6-Dinitrotoluene	3.831	165	73472	1067.879	ng/ml	99
17) Acenaphthylene	3.862	152	612911	1040.104	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
 Data File : ICV.D
 Acq On : 08 Sep 2025 09:48 pm
 Operator : SV125:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2112310,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
 Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Tue Sep 09 15:11:14 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\250908RVTical\IL8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.959	153	385554	981.135	ng/ml	99
20)	2,4-Dinitrotoluene	4.054	165	97688	944.292	ng/ml	100
21)	Fluorene	4.250	166	440710	1001.507	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.283	198	48509	914.376	ng/ml	99
25)	Hexachlorobenzene	4.563	284	125946	988.165	ng/ml	100
26)	Pentachlorophenol	4.675	266	57695	1278.747	ng/ml	99
27)	Phenanthrene	4.788	178	643749	960.067	ng/ml	100
28)	Anthracene	4.817	178	648043	1013.094	ng/ml	100
29)	Fluoranthene	5.462	202	738541	1018.487	ng/ml	100
30)	Pyrene	5.592	202	750751	1008.722	ng/ml	100
31)	Benzidine	5.548	184	172795	697.699	ng/mL	99
34)	Benzo[a]anthracene	6.308	226	192491	1016.927	ng/ml	99
35)	3,3'-Dichlorobenzidine	6.302	252	256293	1009.506	ng/ml	100
36)	Chrysene	6.332	228	632333	1012.716	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.351	149	383137	1054.035	ng/ml	100
39)	Benzo[b]fluoranthene	7.059	252	615584	986.072	ng/ml	100
40)	Benzo[k]fluoranthene	7.083	252	640234	1012.072	ng/ml	99
41)	Benzo[a]pyrene	7.336	252	576417	1044.540	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.489	276	544926	1039.274	ng/ml	98
43)	Dibenzo[a,h]anthracene	8.526	278	516804M6	994.098	ng/ml	
44)	Benzo[g,h,i]perylene	8.796	276	550008	1017.532	ng/ml	100

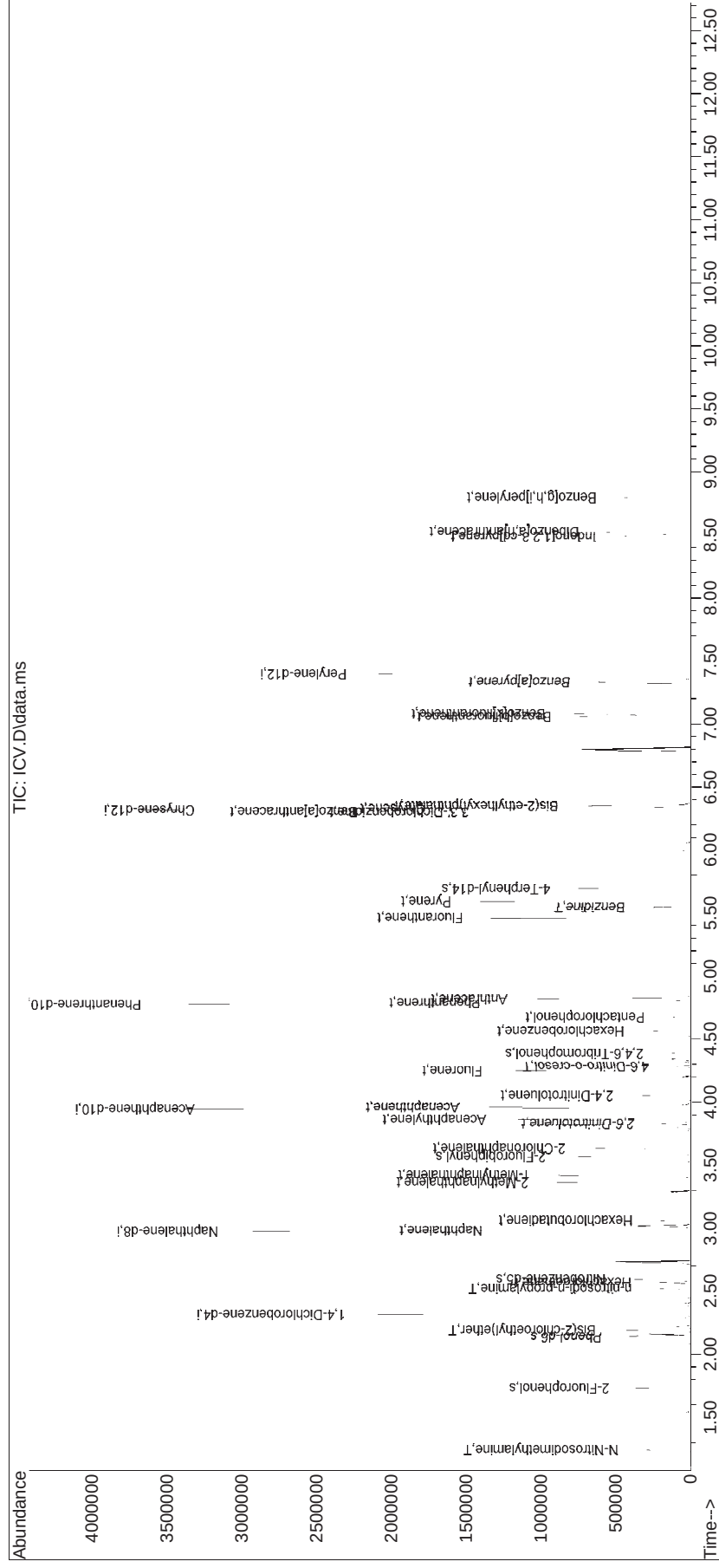
(#) = qualifier out of range (m) = manual integration (+) = signals summed

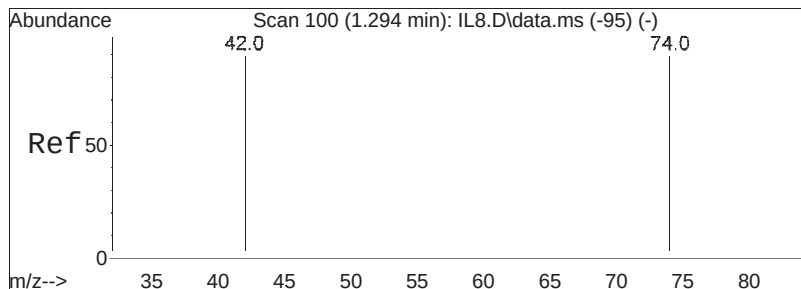
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250908RVTical\
Data File : ICV.D
Acq On : 08 Sep 2025 09:48 pm
Operator : SV125:ljj
Sample : CQICV1,32,,1 Lot# 11696
Misc : WG2112310
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 09 15:10:24 2025
Quant Method : I:\8270SIM\SV125\250908RVTical\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Tue Sep 09 15:11:14 2025
Response via : Initial Calibration

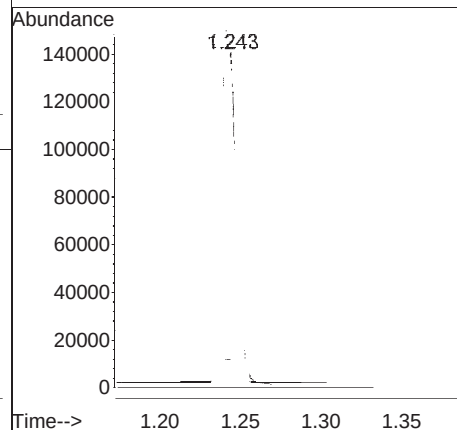
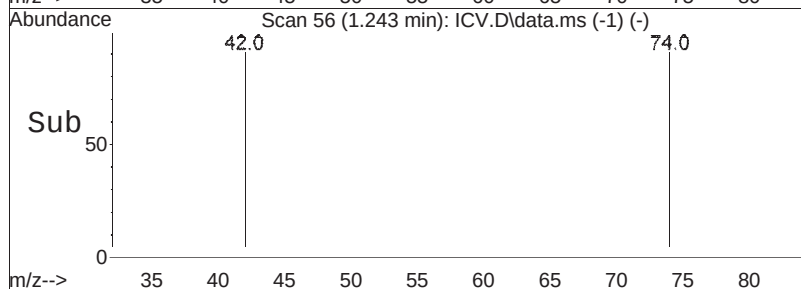
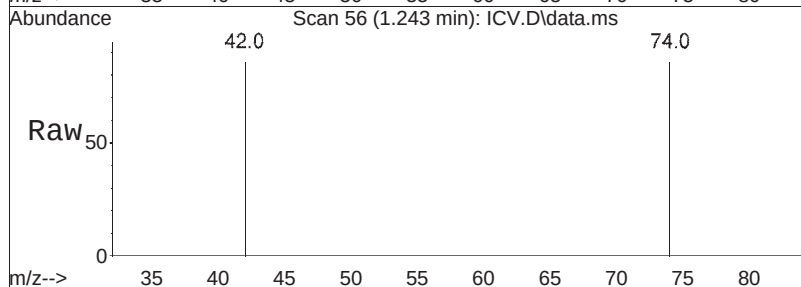
Sub List : Default - All compounds listedical\IL8.D•

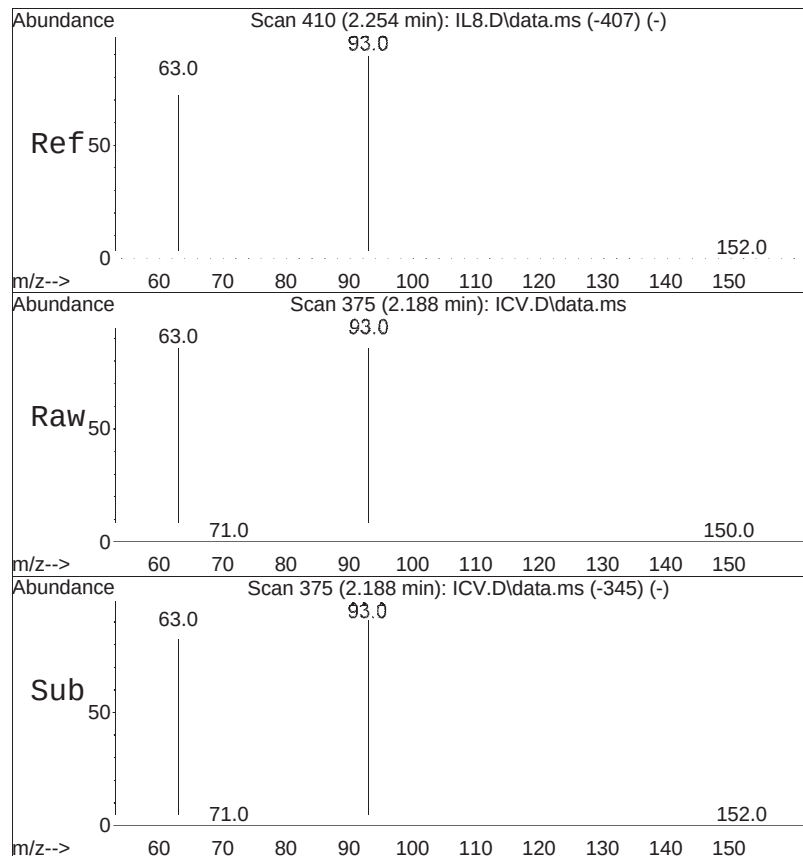




#2
 N-Nitrosodimethylamine
 Concen: 1037.09 ng/mL
 RT: 1.243 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

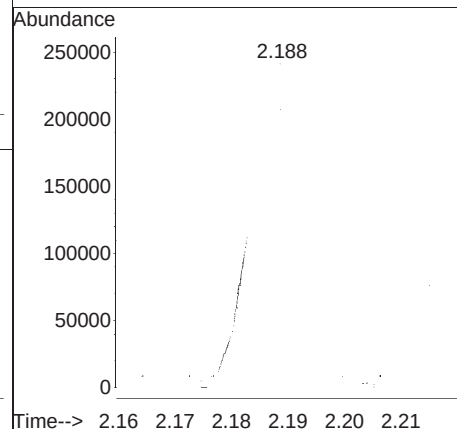
Tgt Ion: 74 Resp: 92359
 Ion Ratio Lower Upper
 74 100
 42 106.4 86.9 130.3
 44 8.5 5.8 8.8

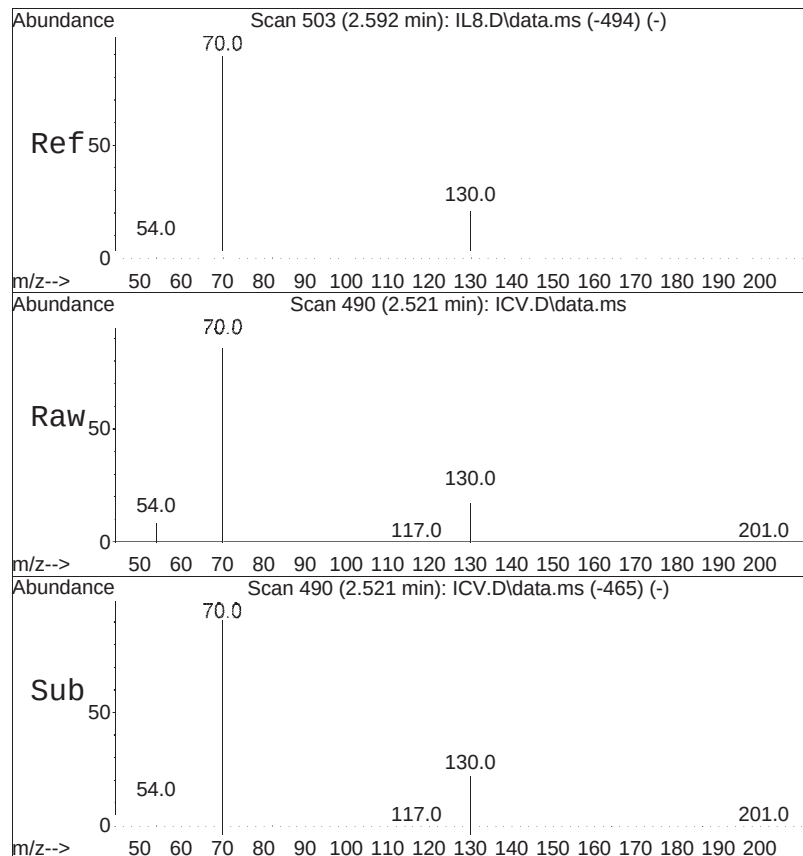




#5
 Bis(2-chloroethyl)ether
 Concen: 1014.04 ng/ml
 RT: 2.188 min Scan# 375
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

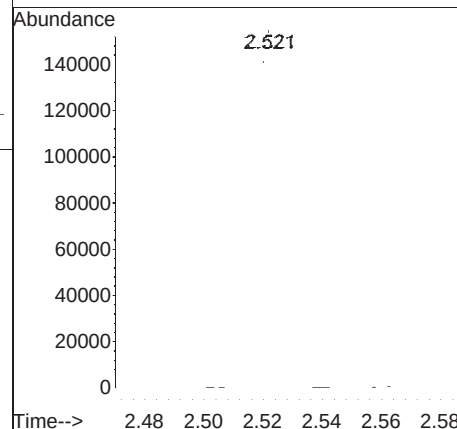
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	153317		
63	87.1	68.6	103.0	

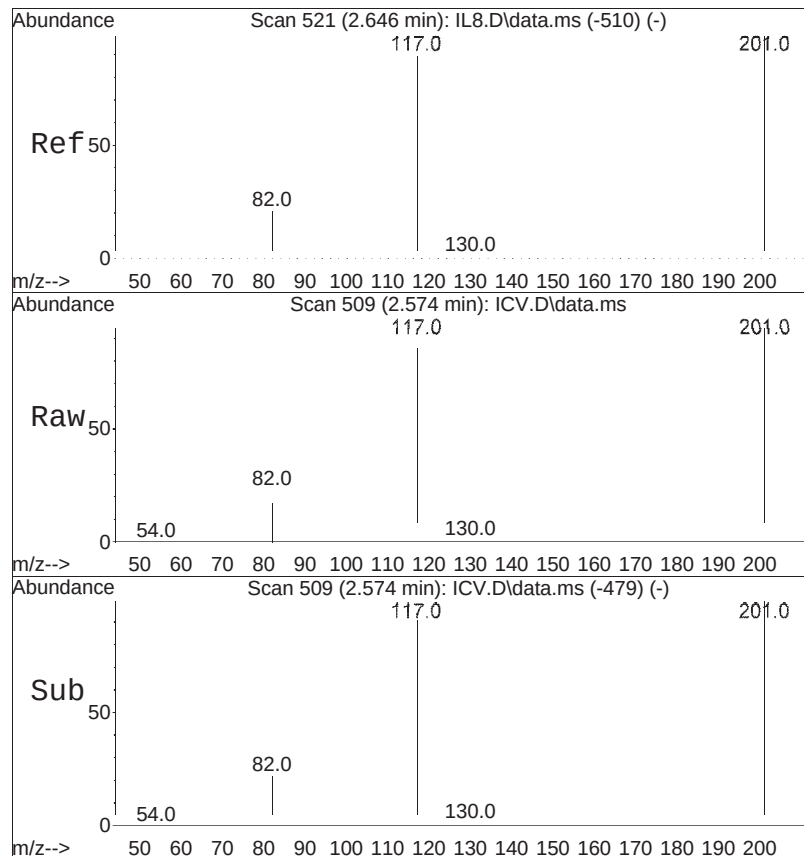




#6
 n-nitrosodi-n-propylamine
 Concen: 1036.63 ng/ml
 RT: 2.521 min Scan# 490
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

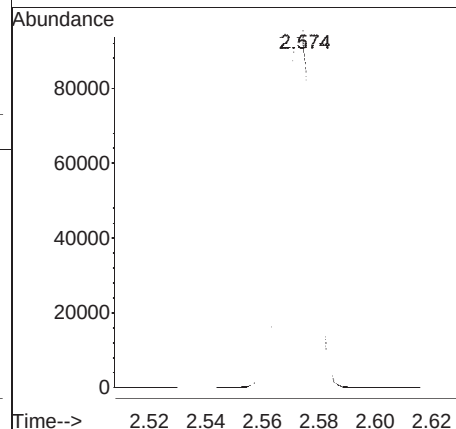
Tgt Ion	Ratio	Lower	Upper
70	100		
130	22.8	18.4	27.6

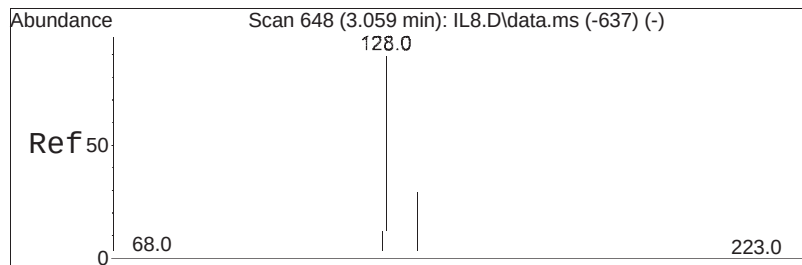




#7
 Hexachloroethane
 Concen: 986.70 ng/ml
 RT: 2.574 min Scan# 509
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

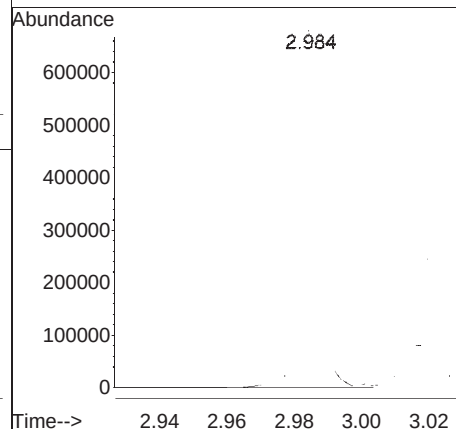
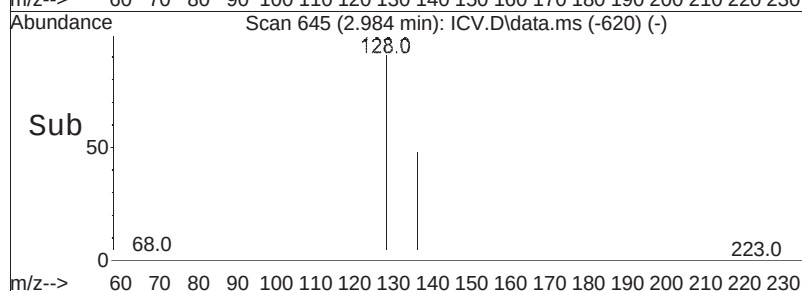
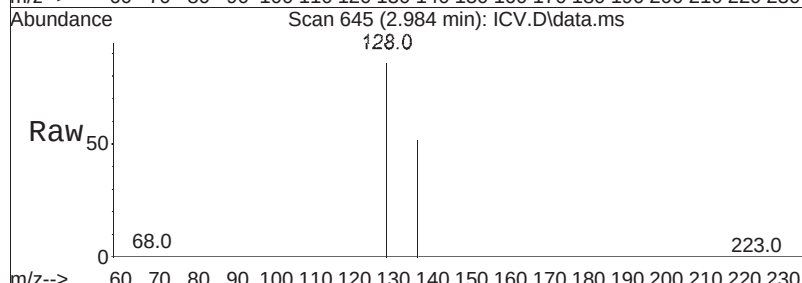
Tgt Ion:	117	Resp:	68051
Ion Ratio	Lower	Upper	
117	100		
201	99.8	80.2	120.2

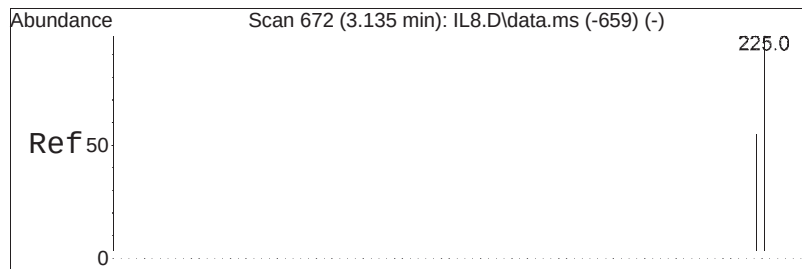




#10
Naphthalene
Concen: 942.26 ng/ml
RT: 2.984 min Scan# 645
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 08 Sep 2025 09:48 pm

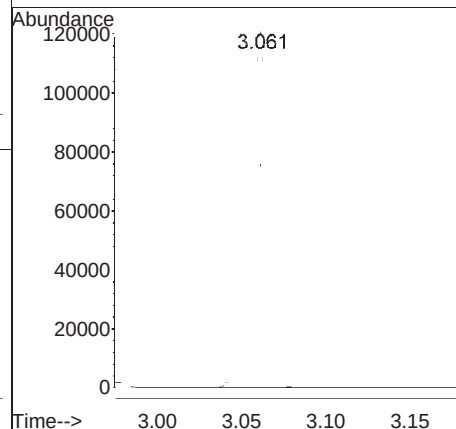
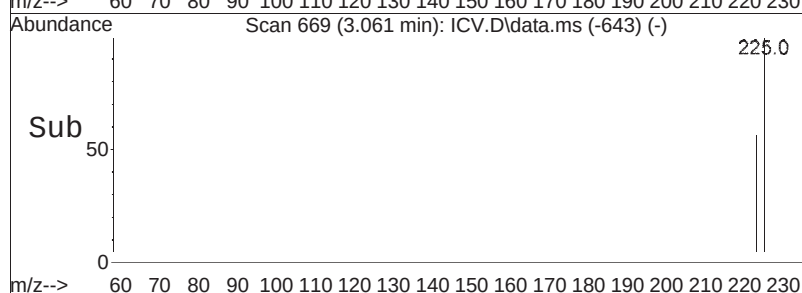
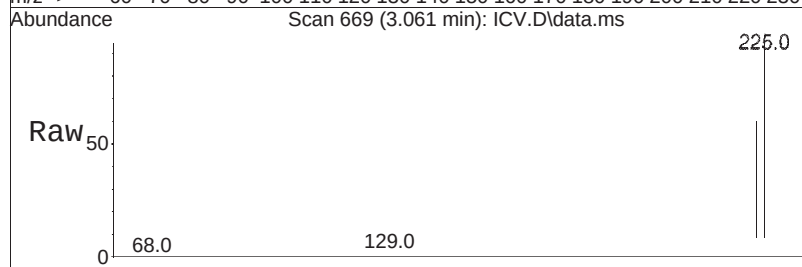
Tgt Ion	128	Resp	536172
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	13.2	10.6	15.8

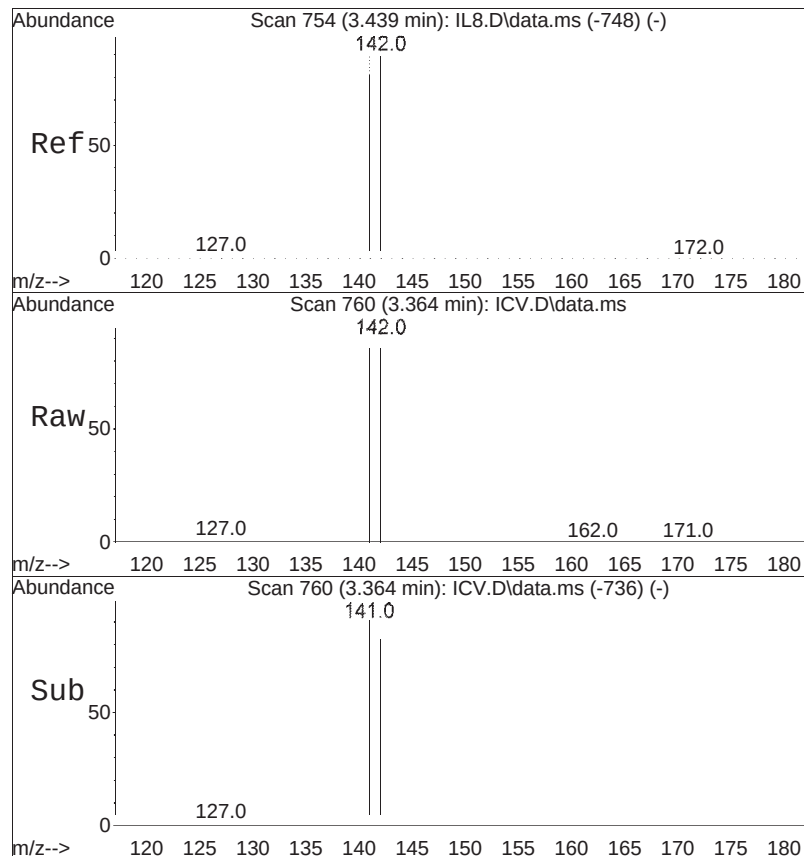




#11
Hexachlorobutadiene
Concen: 989.75 ng/ml
RT: 3.061 min Scan# 669
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 08 Sep 2025 09:48 pm

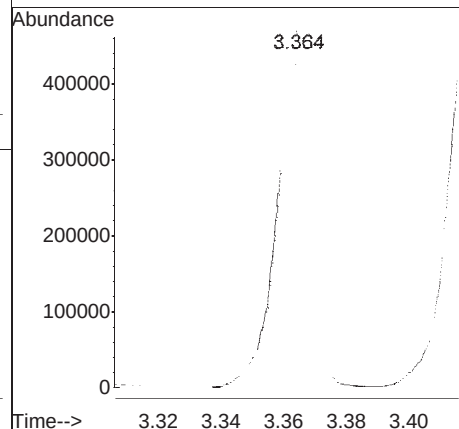
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	75.8

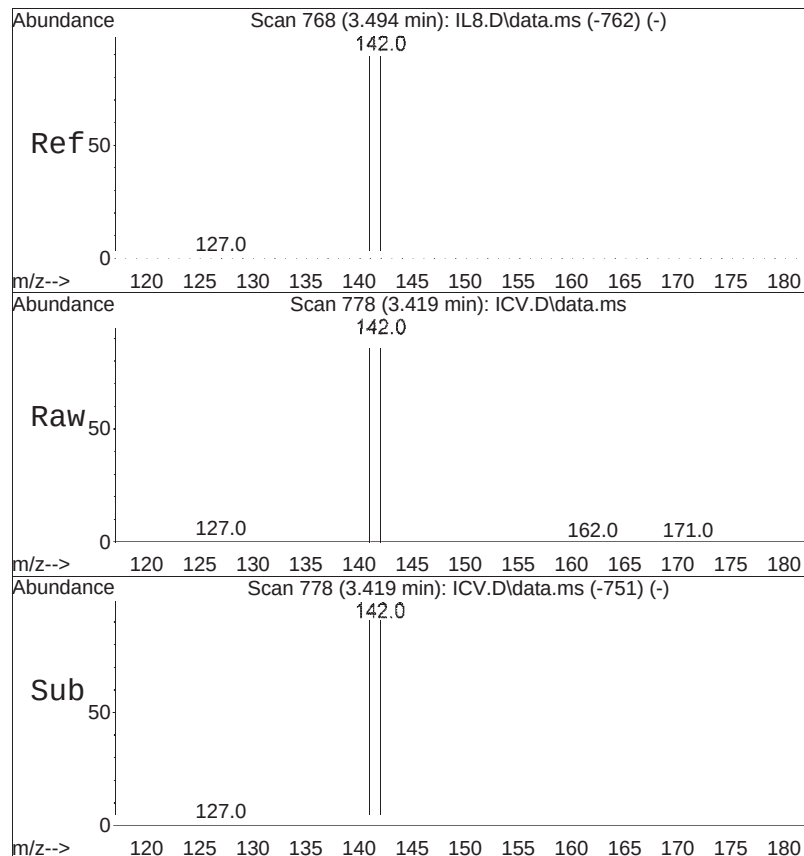




#12
 2-Methylnaphthalene
 Concen: 1044.09 ng/ml
 RT: 3.364 min Scan# 760
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

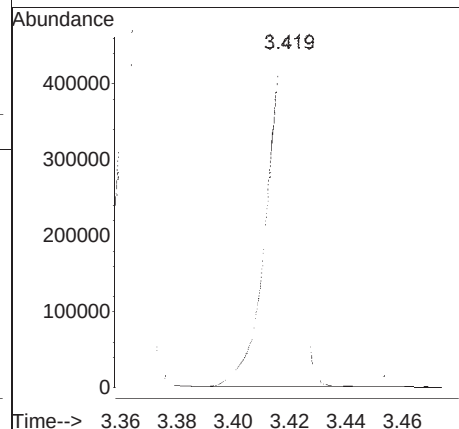
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.2	111.4

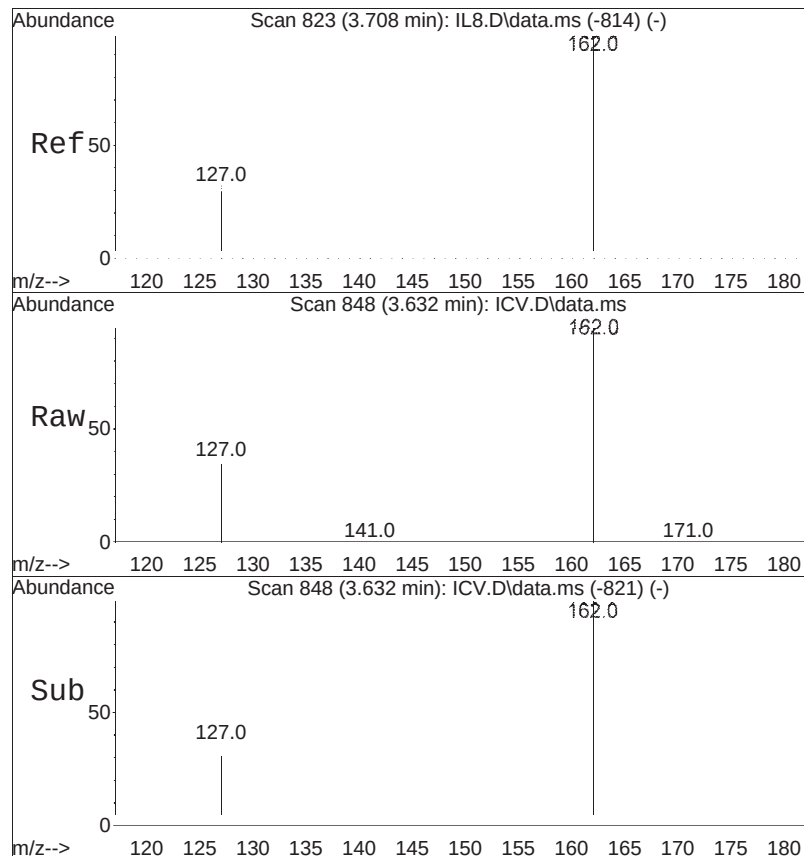




#13
 1-Methylnaphthalene
 Concen: 985.58 ng/ml
 RT: 3.419 min Scan# 778
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

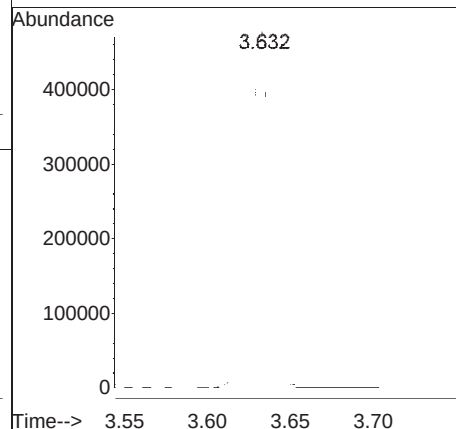
Tgt Ion:	142	Resp:	351657
Ion Ratio	Lower	Upper	
142	100		
141	95.0	76.3	114.5

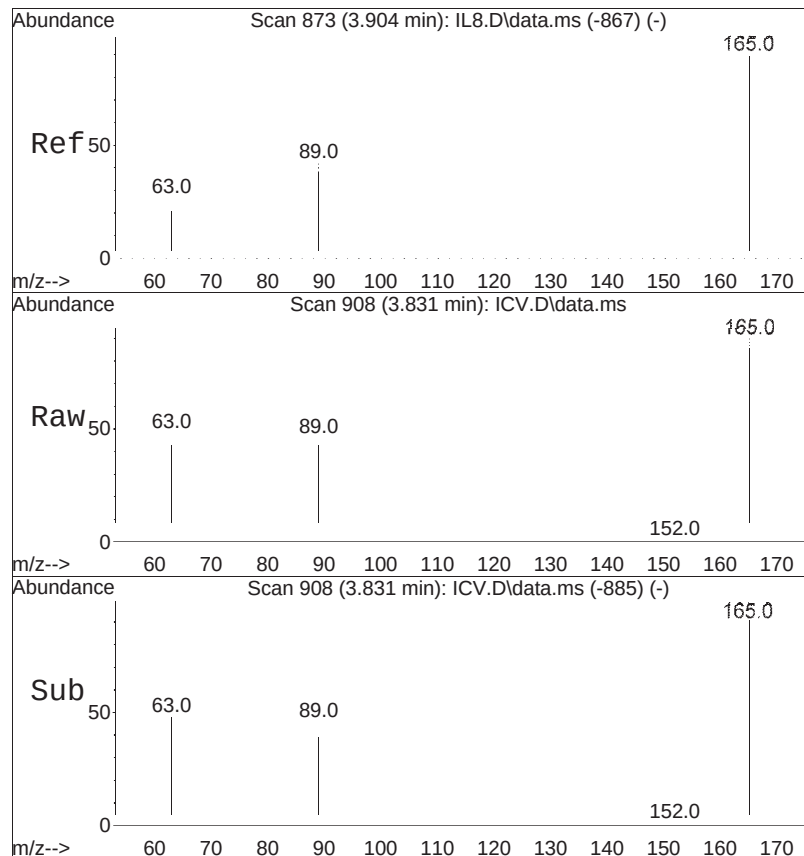




#15
 2-Chloronaphthalene
 Concen: 991.58 ng/ml
 RT: 3.632 min Scan# 848
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

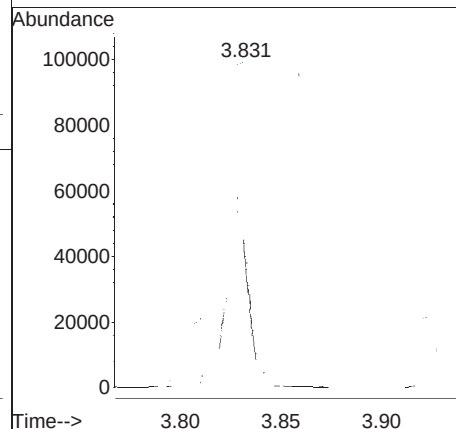
Tgt	Ion:162	Resp:	369582
Ion	Ratio	Lower	Upper
162	100		
127	37.6	30.0	45.0

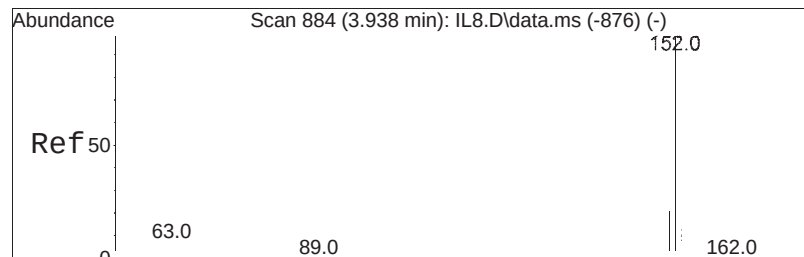




#16
 2,6-Dinitrotoluene
 Concen: 1067.88 ng/ml
 RT: 3.831 min Scan# 908
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	73472		
89	52.8		43.1	64.7
63	54.7		43.4	65.2





#17

Acenaphthylene

Concen: 1040.10 ng/ml

RT: 3.862 min Scan# 918

Delta R.T. 0.002 min

Lab File: ICV.D

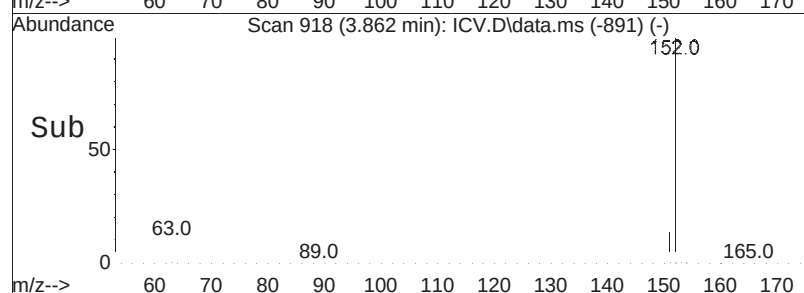
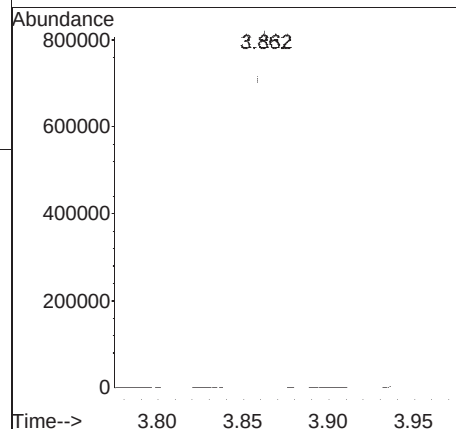
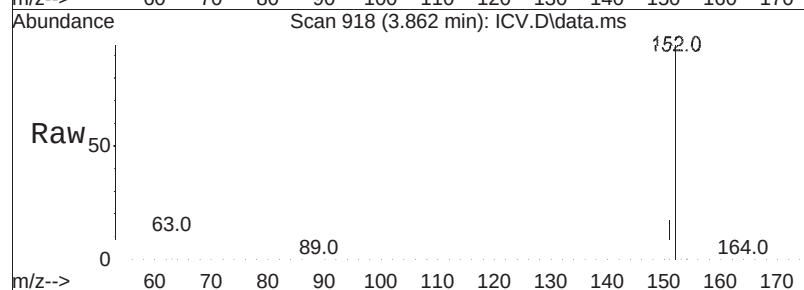
Acq: 08 Sep 2025 09:48 pm

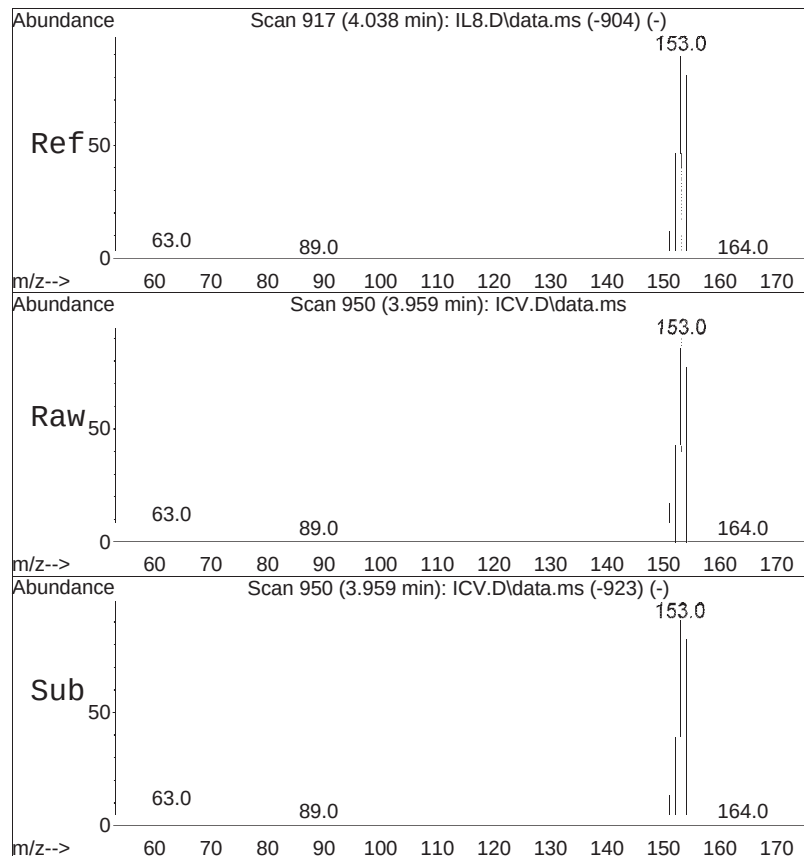
Tgt Ion:152 Resp: 612911

Ion Ratio Lower Upper

152 100

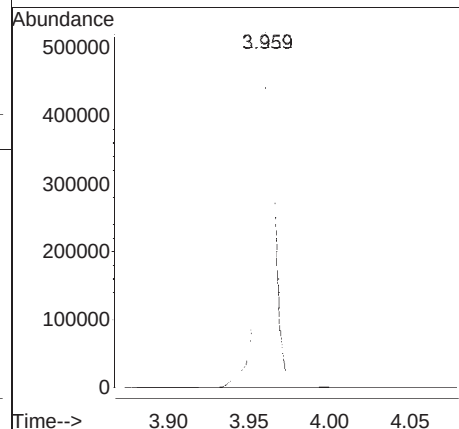
151 20.2 16.1 24.1

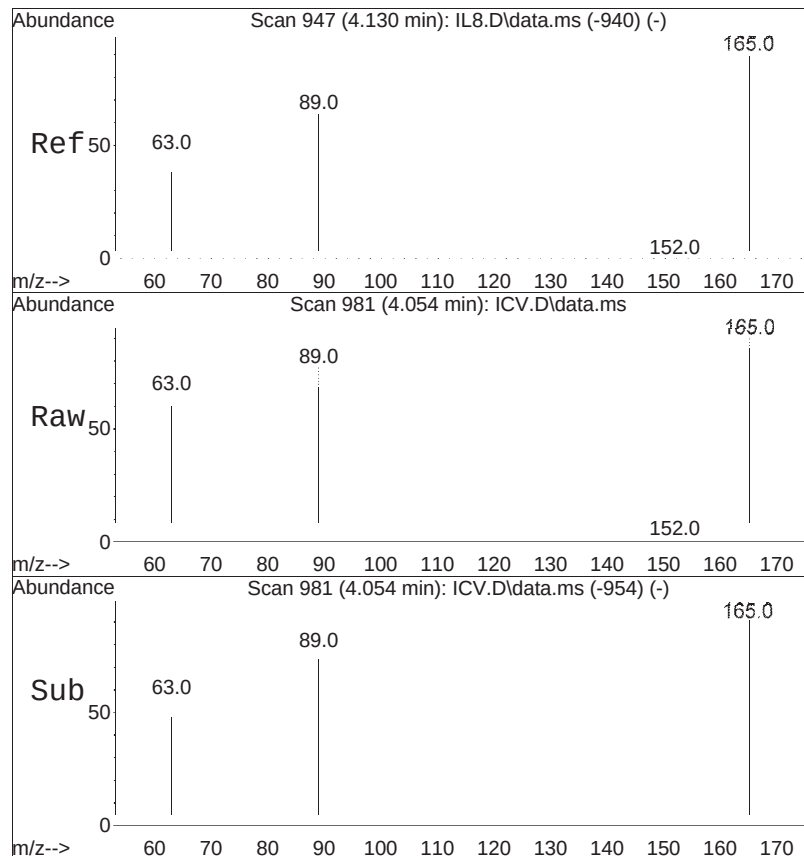




#19
 Acenaphthene
 Concen: 981.13 ng/ml
 RT: 3.959 min Scan# 950
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

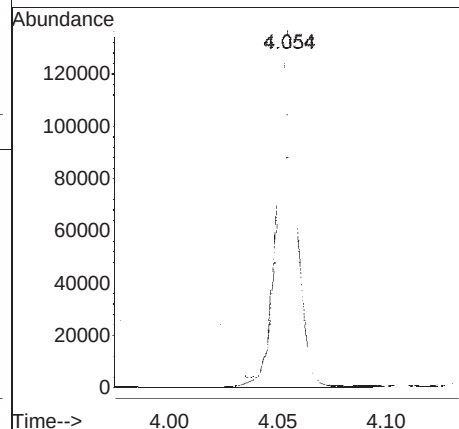
Tgt Ion	Ratio	Lower	Upper
153	100		
154	90.9	72.2	108.4

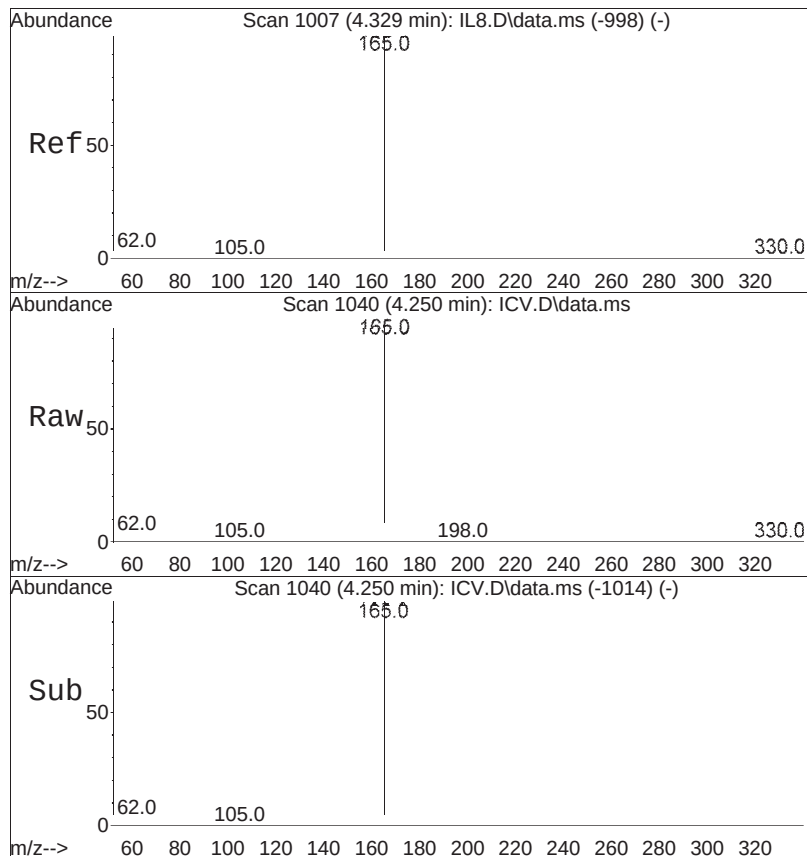




#20
 2,4-Dinitrotoluene
 Concen: 944.29 ng/ml
 RT: 4.054 min Scan# 981
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

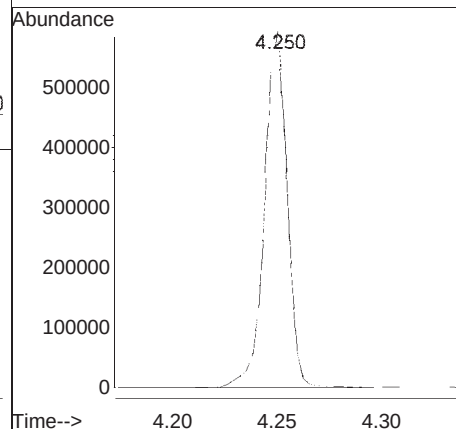
Tgt Ion:	165	Resp:	97688
Ion Ratio	Lower	Upper	
165	100		
89	78.2	62.5	93.7
63	67.1	53.8	80.6

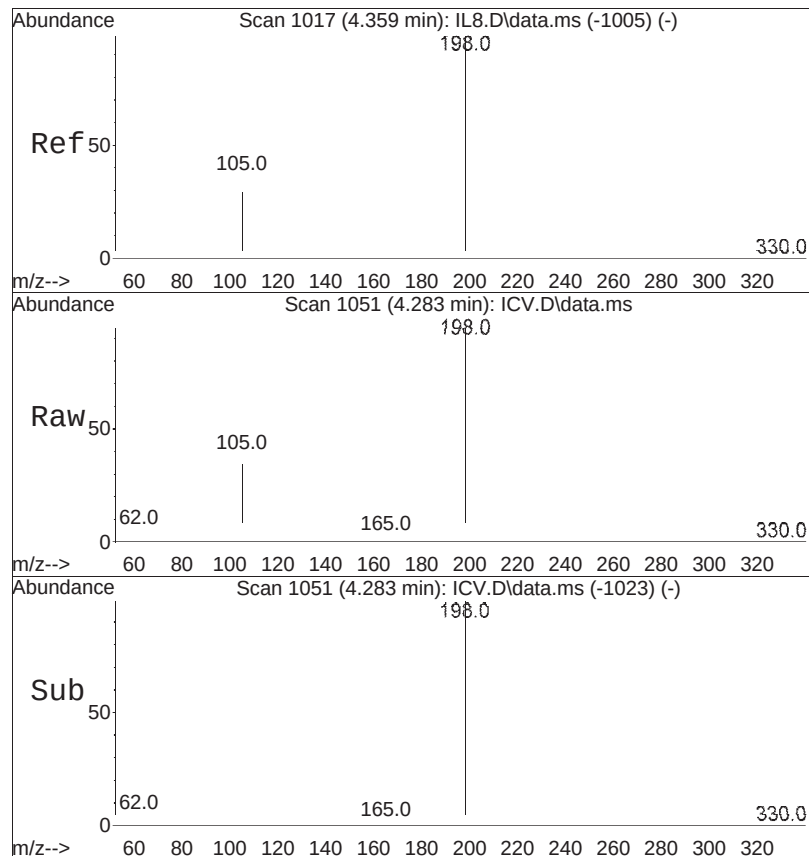




#21
 Fluorene
 Concen: 1001.51 ng/ml
 RT: 4.250 min Scan# 1040
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

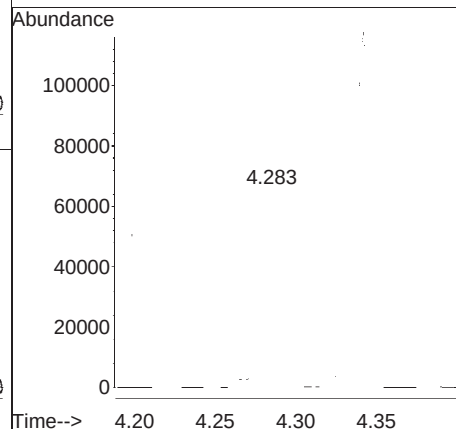
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.5	122.3

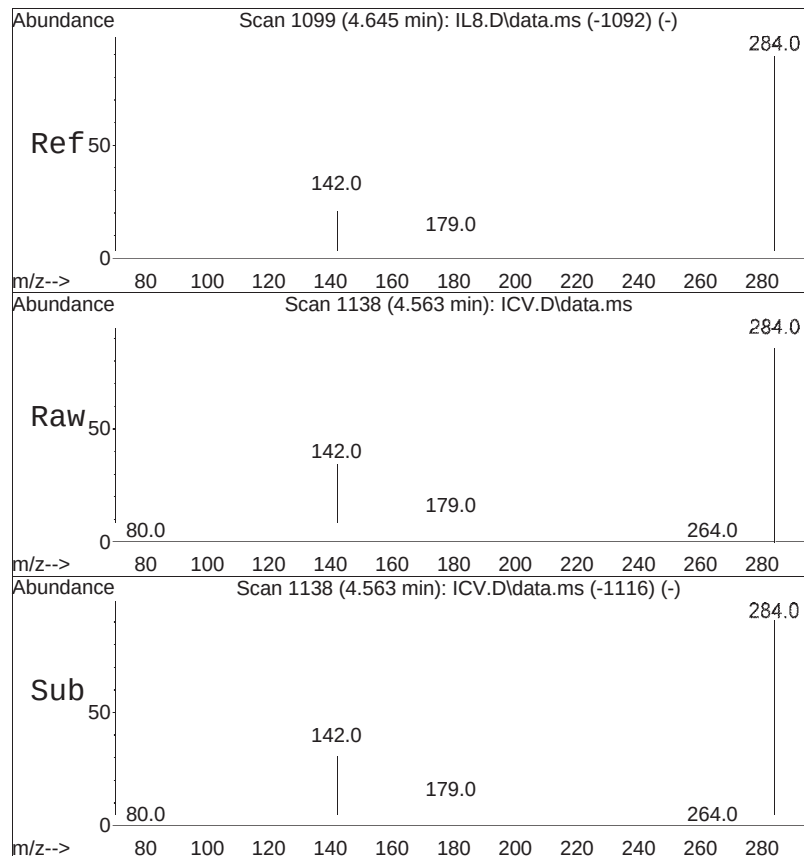




#24
 4,6-Dinitro-o-cresol
 Concen: 914.38 ng/ml
 RT: 4.283 min Scan# 1051
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

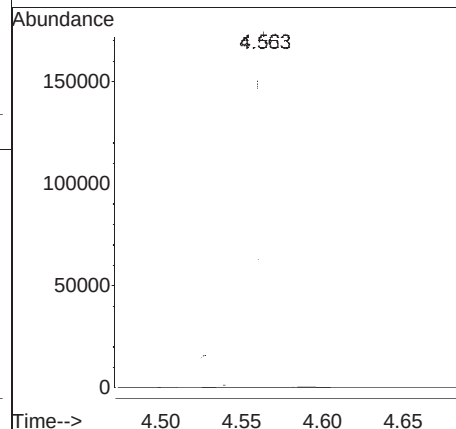
Tgt Ion	Ratio	Lower	Upper
198	100		
105	44.8	35.4	53.0

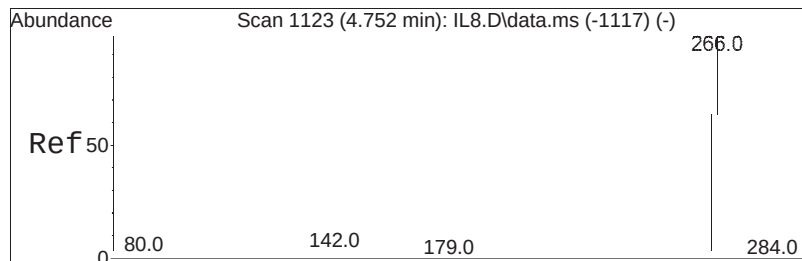




#25
 Hexachlorobenzene
 Concen: 988.16 ng/ml
 RT: 4.563 min Scan# 1138
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

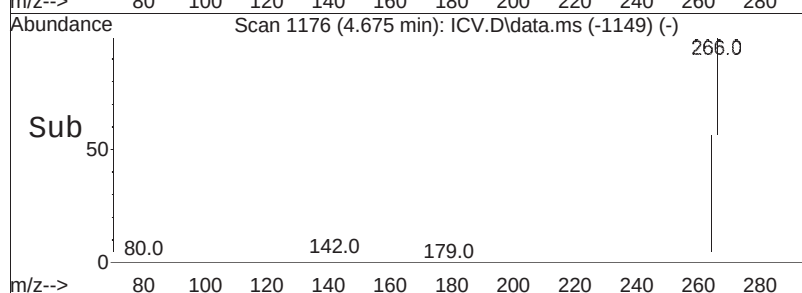
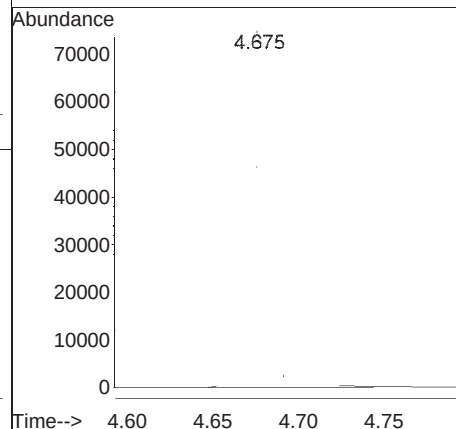
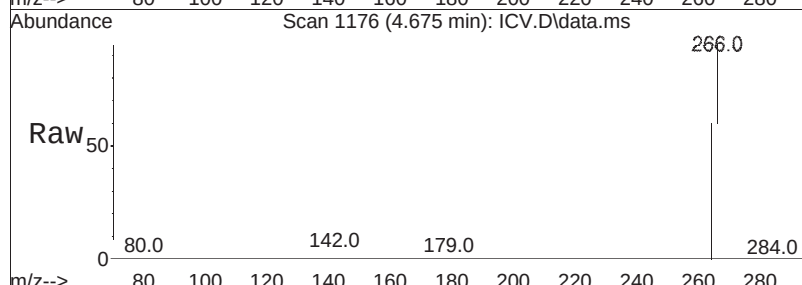
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.1	29.4	44.2

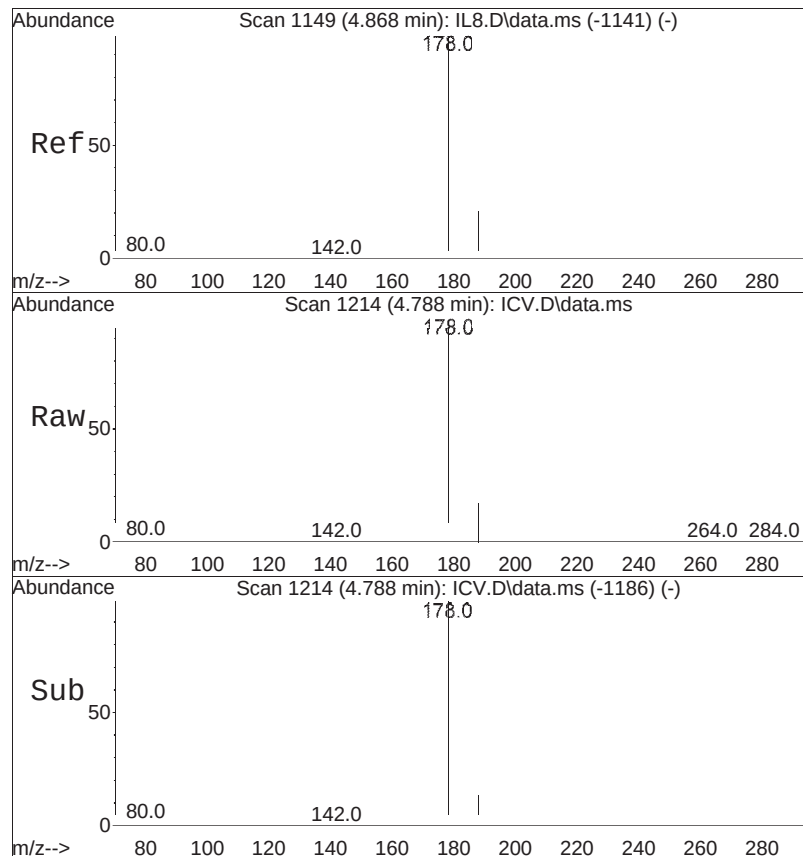




#26
 Pentachlorophenol
 Concen: 1278.75 ng/ml
 RT: 4.675 min Scan# 1176
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

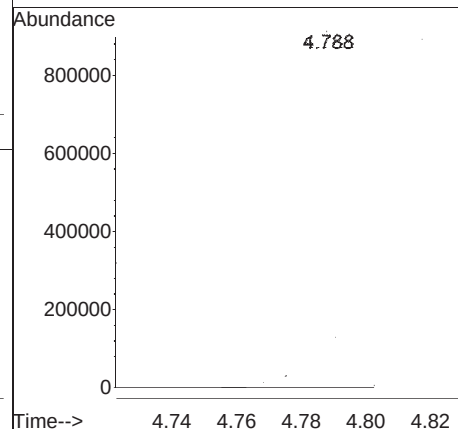
Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.9	74.9

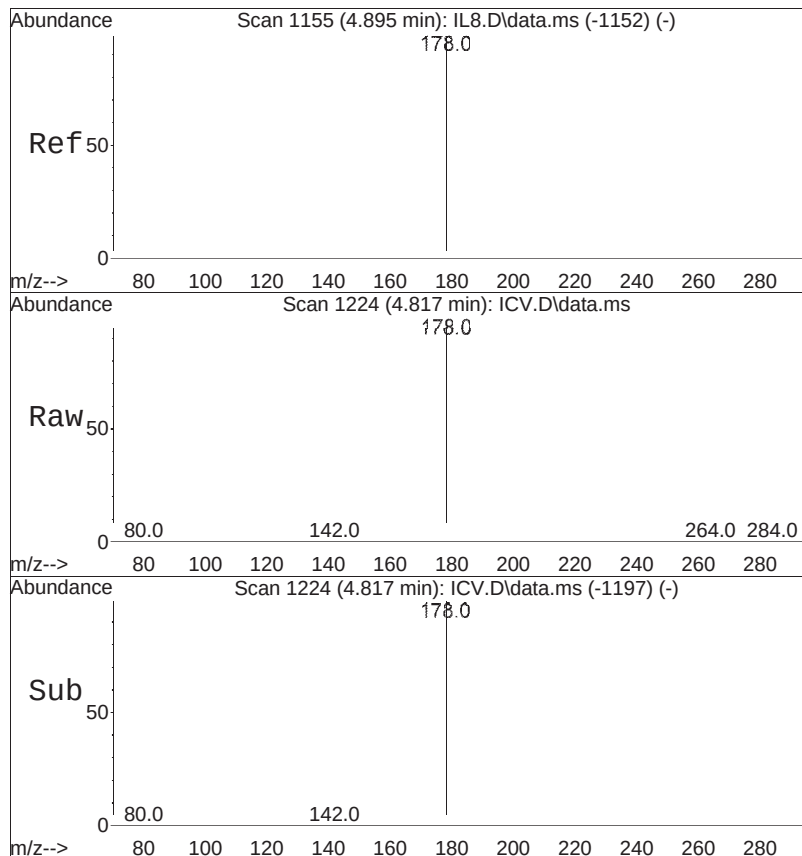




#27
 Phenanthrene
 Concen: 960.07 ng/ml
 RT: 4.788 min Scan# 1214
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

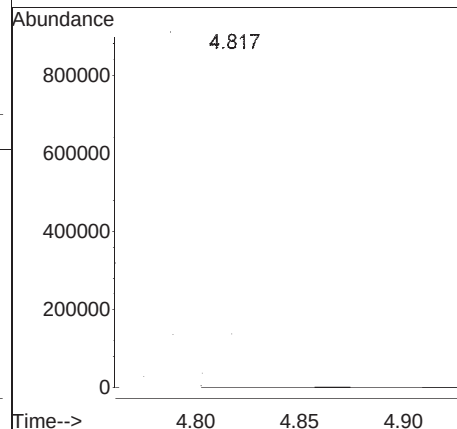
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7

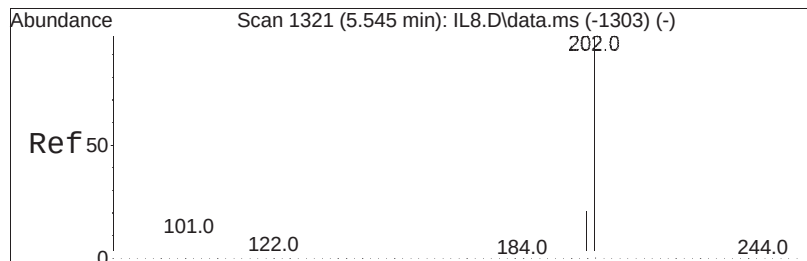




#28
 Anthracene
 Concen: 1013.09 ng/ml
 RT: 4.817 min Scan# 1224
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

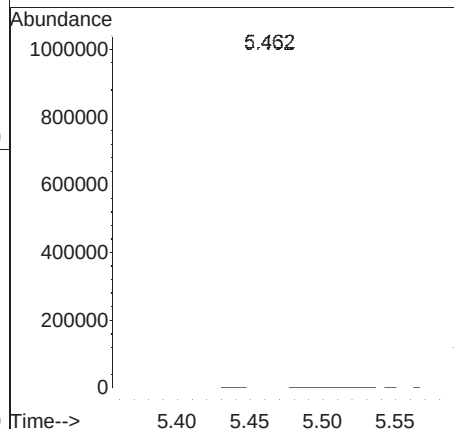
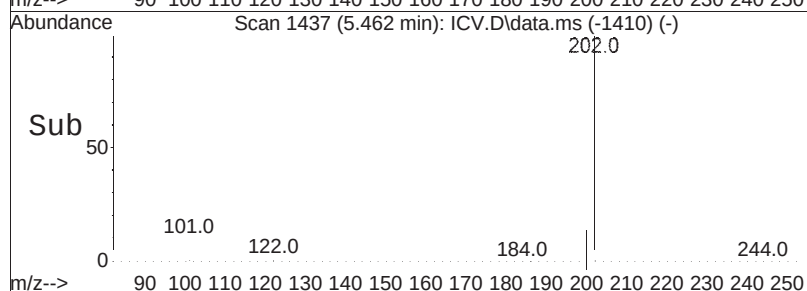
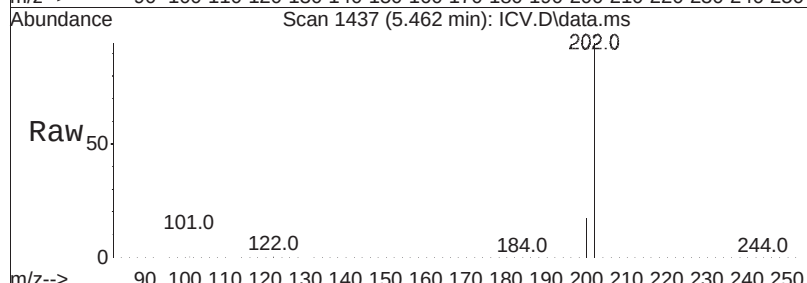
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

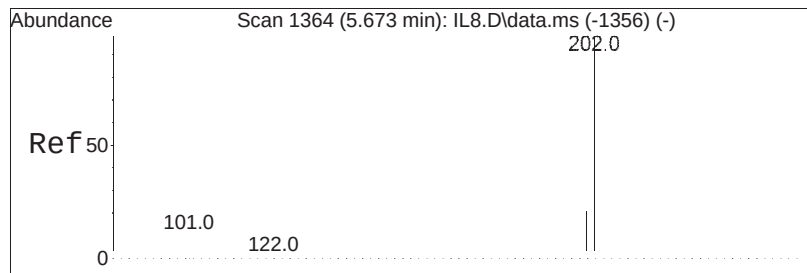




#29
 Fluoranthene
 Concen: 1018.49 ng/ml
 RT: 5.462 min Scan# 1437
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

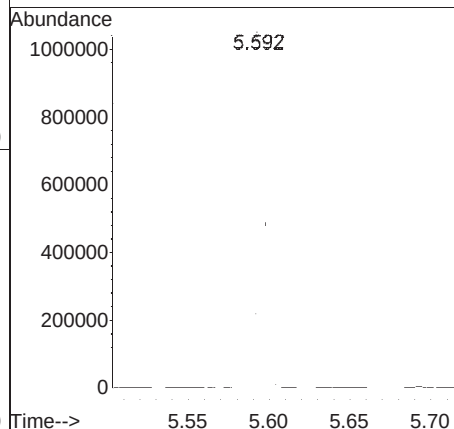
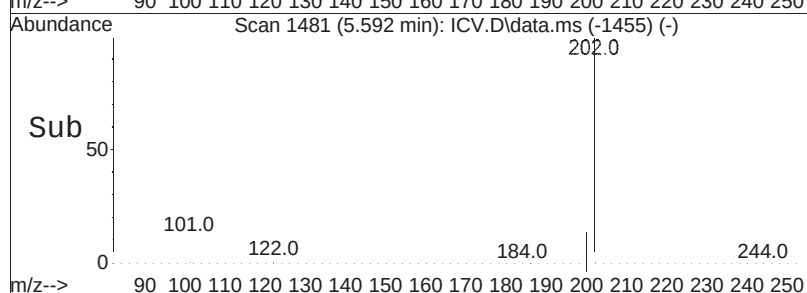
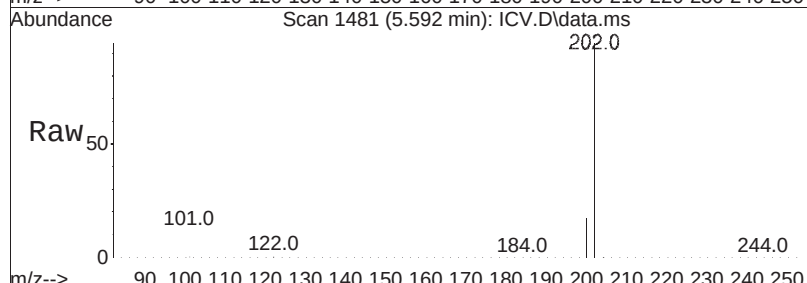
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	738541		
101	10.2		8.3	12.5

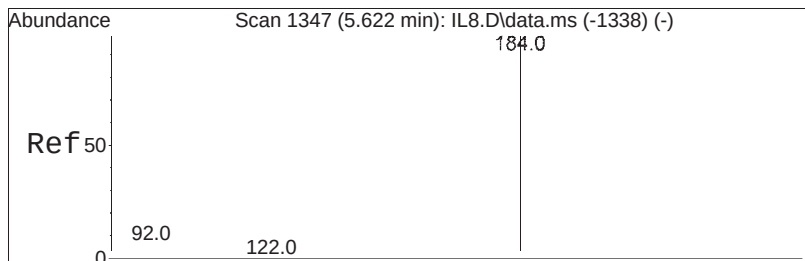




#30
 Pyrene
 Concen: 1008.72 ng/ml
 RT: 5.592 min Scan# 1481
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

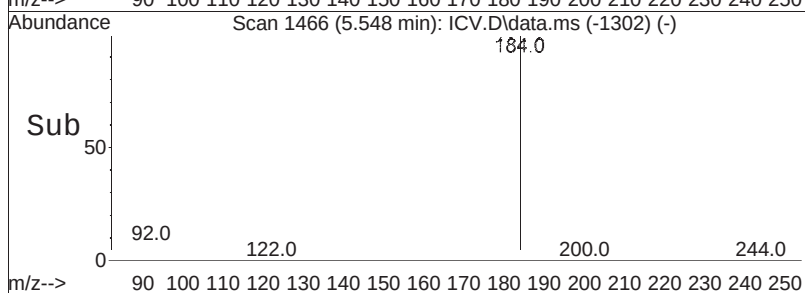
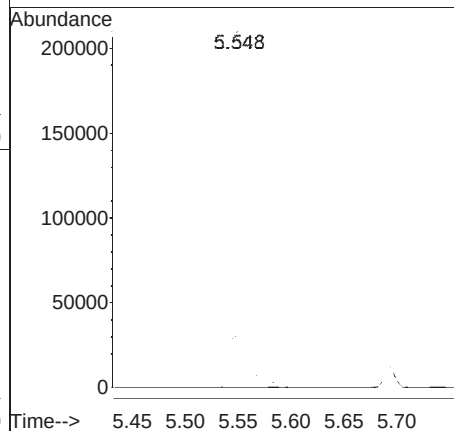
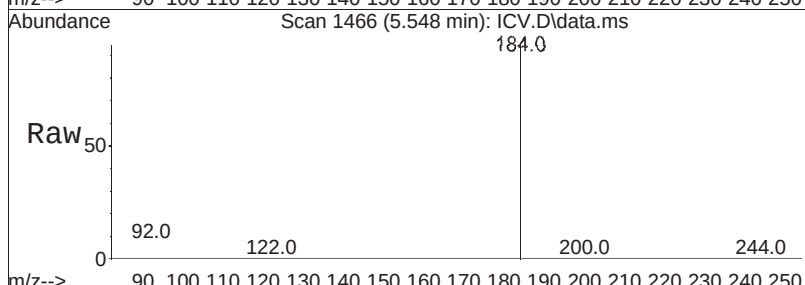
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2

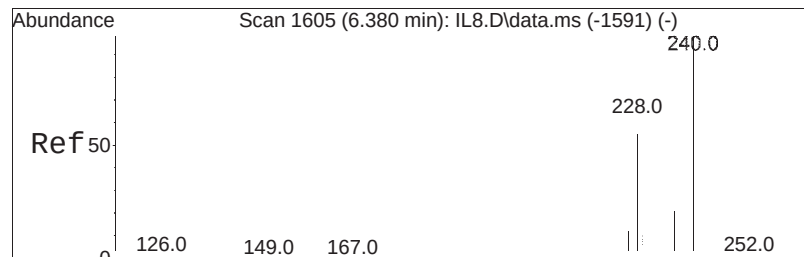




#31
Benzidine
Concen: 697.70 ng/mL
RT: 5.548 min Scan# 1466
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 08 Sep 2025 09:48 pm

Tgt Ion	Ratio	Lower	Upper
184	100		
92	6.7	5.4	8.0
185	14.4	11.2	16.8





#34

Benzo[a]anthracene

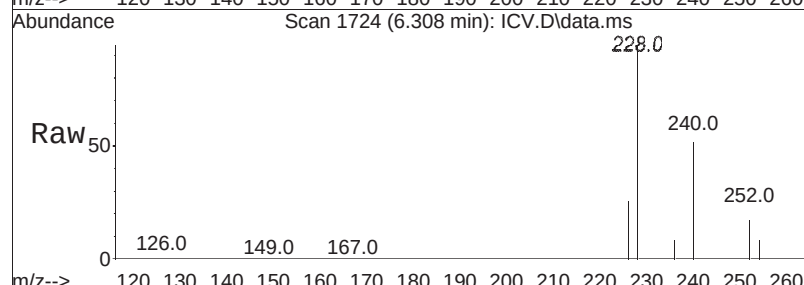
Concen: 1016.93 ng/ml

RT: 6.308 min Scan# 1724

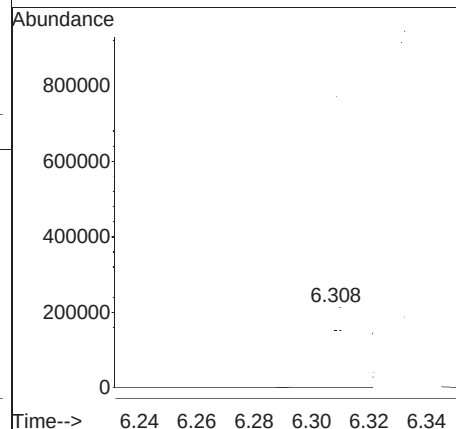
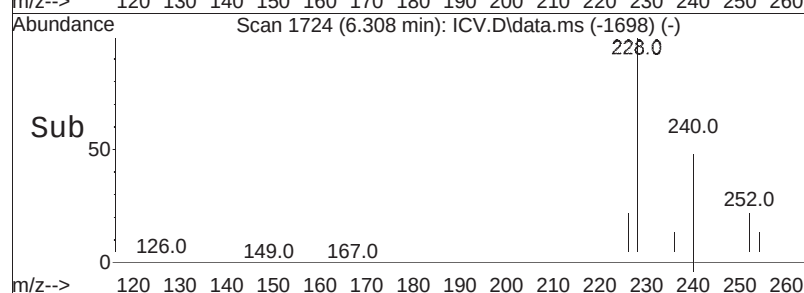
Delta R.T. -0.009 min

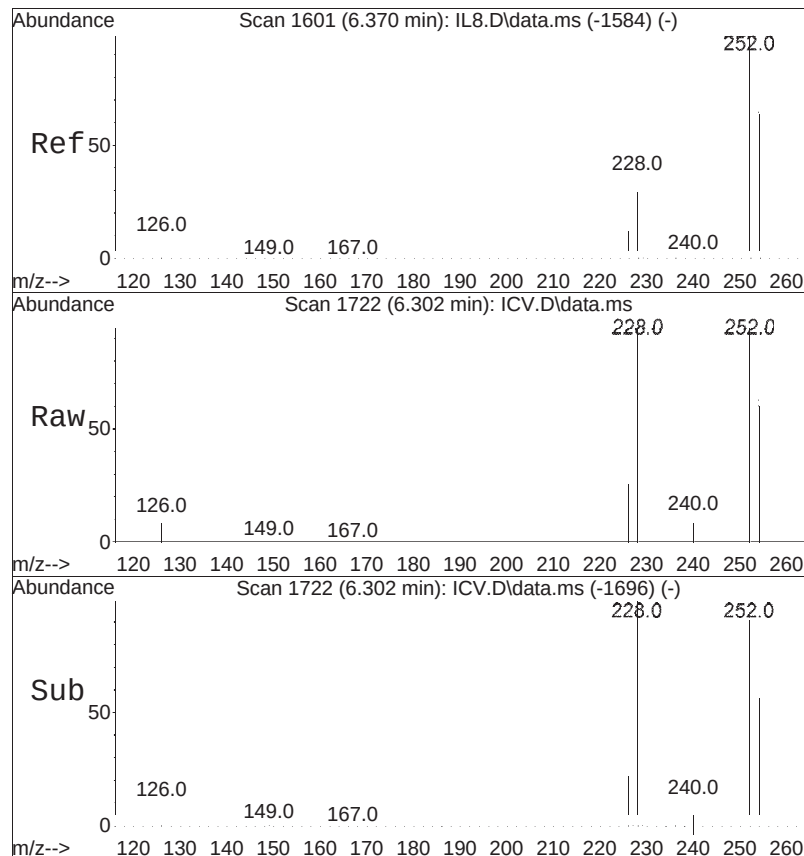
Lab File: ICV.D

Acq: 08 Sep 2025 09:48 pm



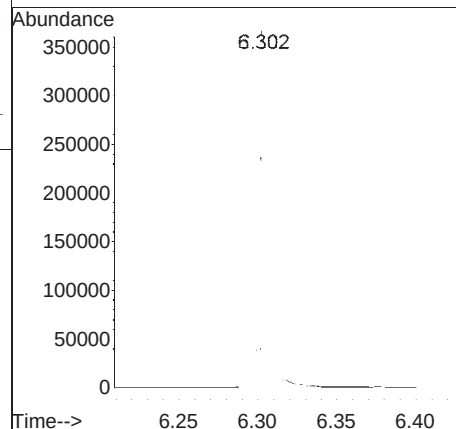
Tgt Ion:	226	Resp:	192491
Ion Ratio	Lower	Upper	
226	100		
229	70.3	56.4	84.6
228	357.0	287.5	431.3
229	70.3	56.4	84.6

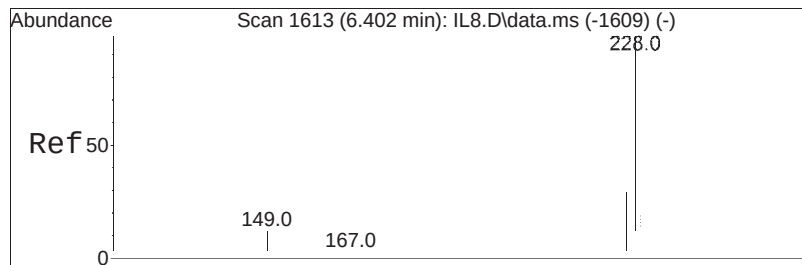




#35
 3,3'-Dichlorobenzidine
 Concen: 1009.51 ng/ml
 RT: 6.302 min Scan# 1722
 Delta R.T. -0.009 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

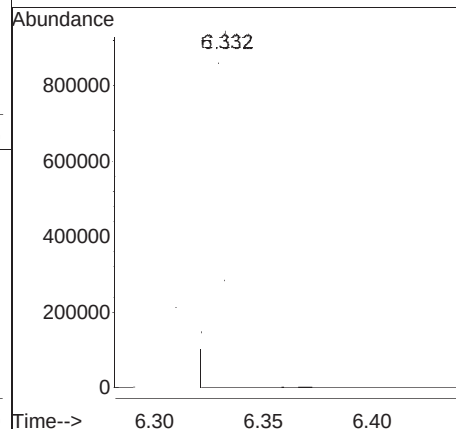
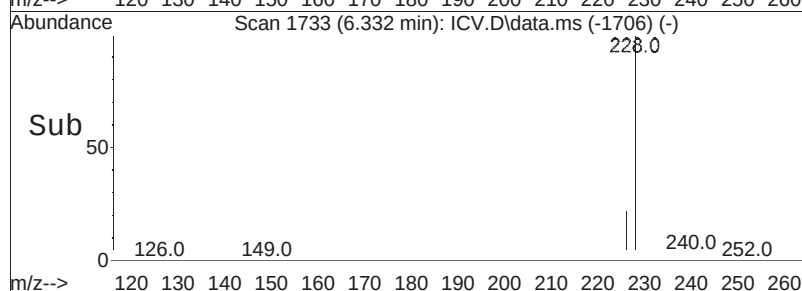
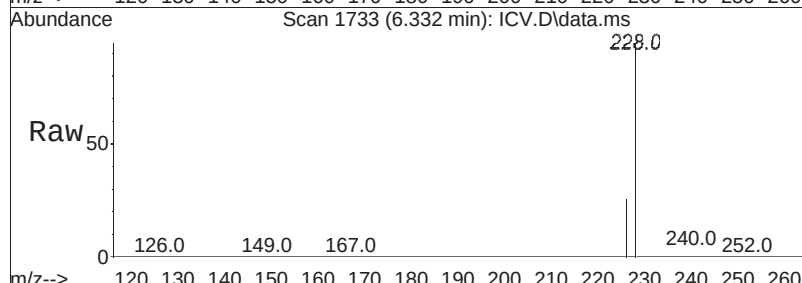
Tgt	Ion:252	Resp:	256293
Ion	Ratio	Lower	Upper
252	100		
126	13.5	10.6	16.0
254	64.5	51.6	77.4

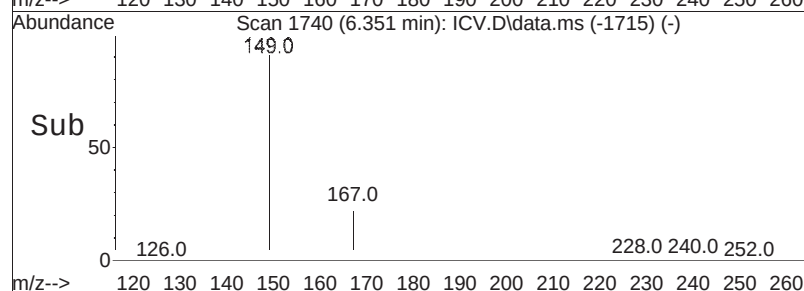
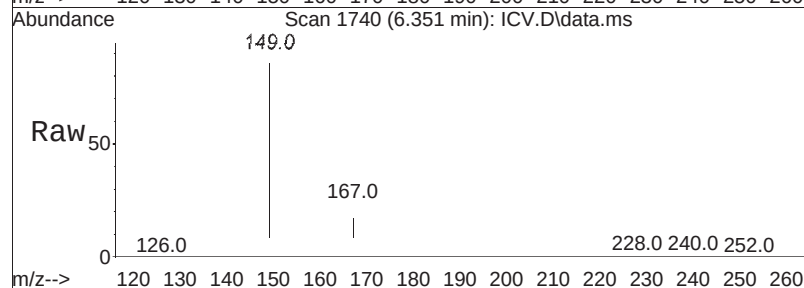
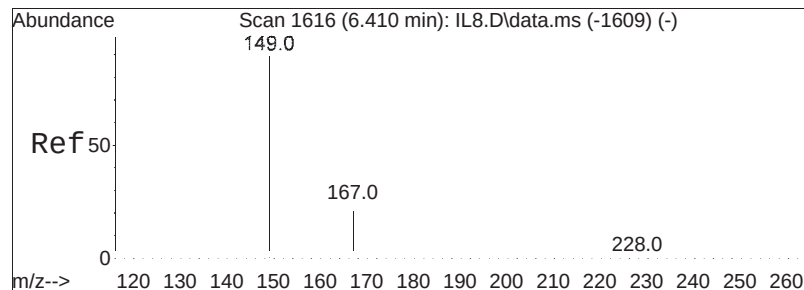




#36
 Chrysene
 Concen: 1012.72 ng/ml
 RT: 6.332 min Scan# 1733
 Delta R.T. -0.007 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

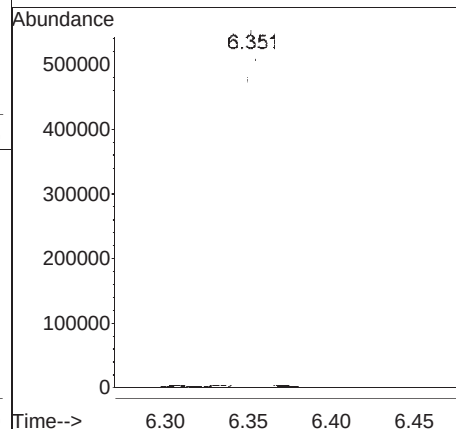
Tgt	Ion	Ratio	Lower	Upper
228	228	100		
226	226	30.3	24.3	36.5

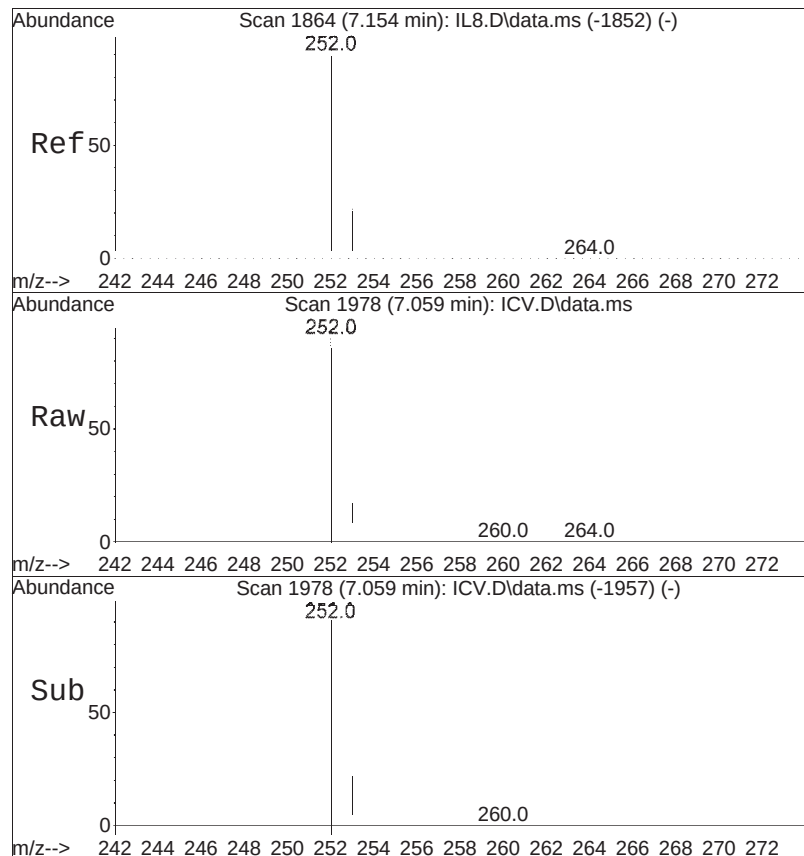




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 1054.03 ng/ml
 RT: 6.351 min Scan# 1740
 Delta R.T. -0.012 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

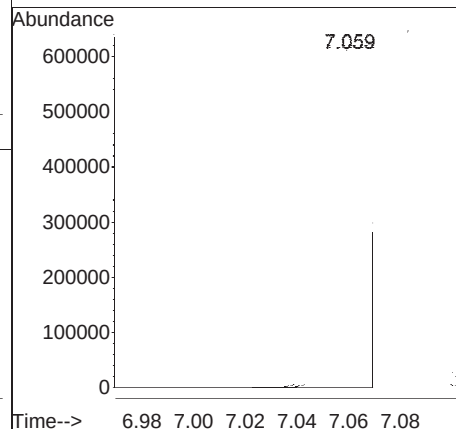
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.8	19.7	29.5

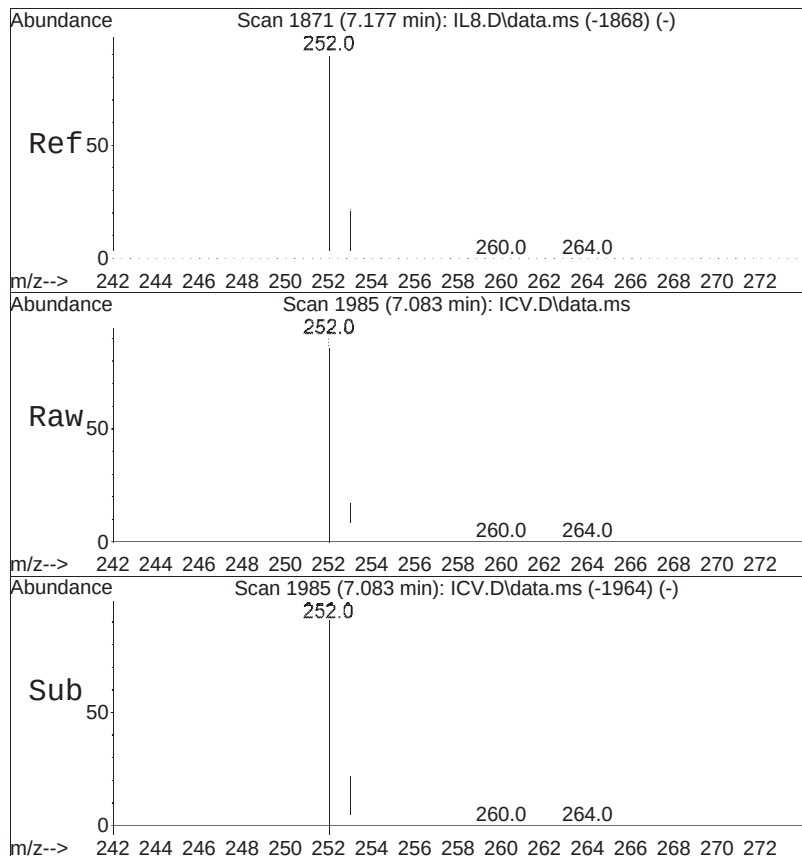




#39
 Benzo[b]fluoranthene
 Concen: 986.07 ng/ml
 RT: 7.059 min Scan# 1978
 Delta R.T. -0.009 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

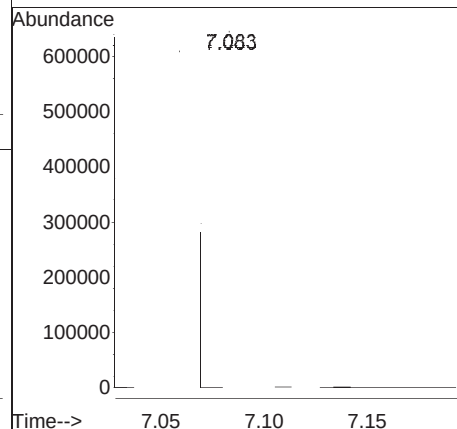
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.2	28.8

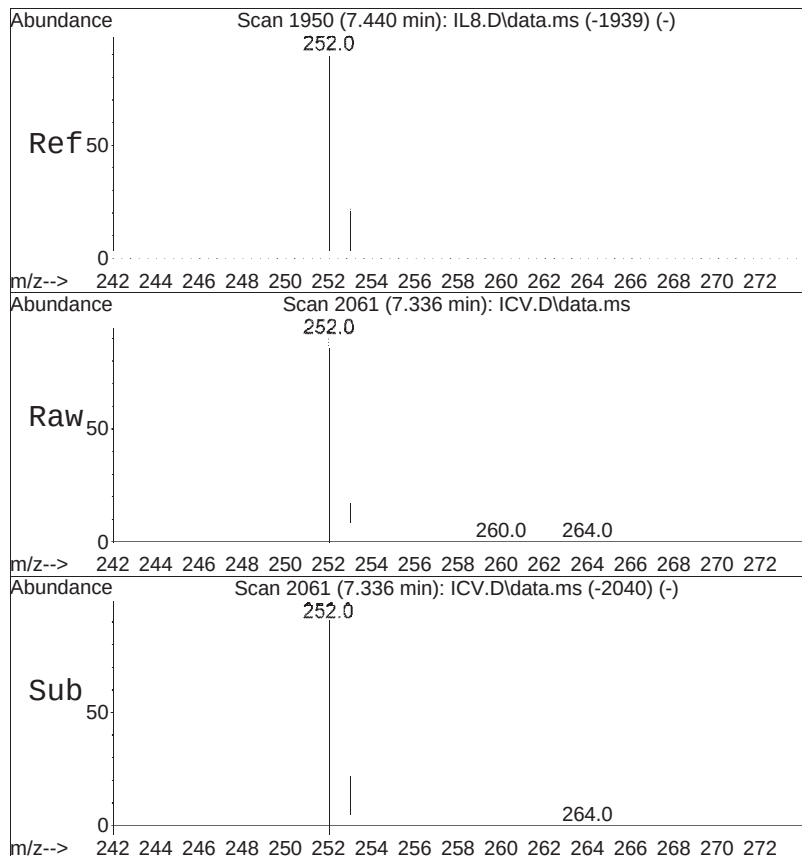




#40
 Benzo[k]fluoranthene
 Concen: 1012.07 ng/ml
 RT: 7.083 min Scan# 1985
 Delta R.T. -0.008 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

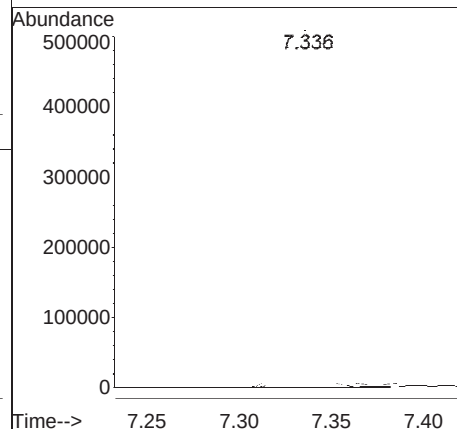
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.1	15.8	23.8

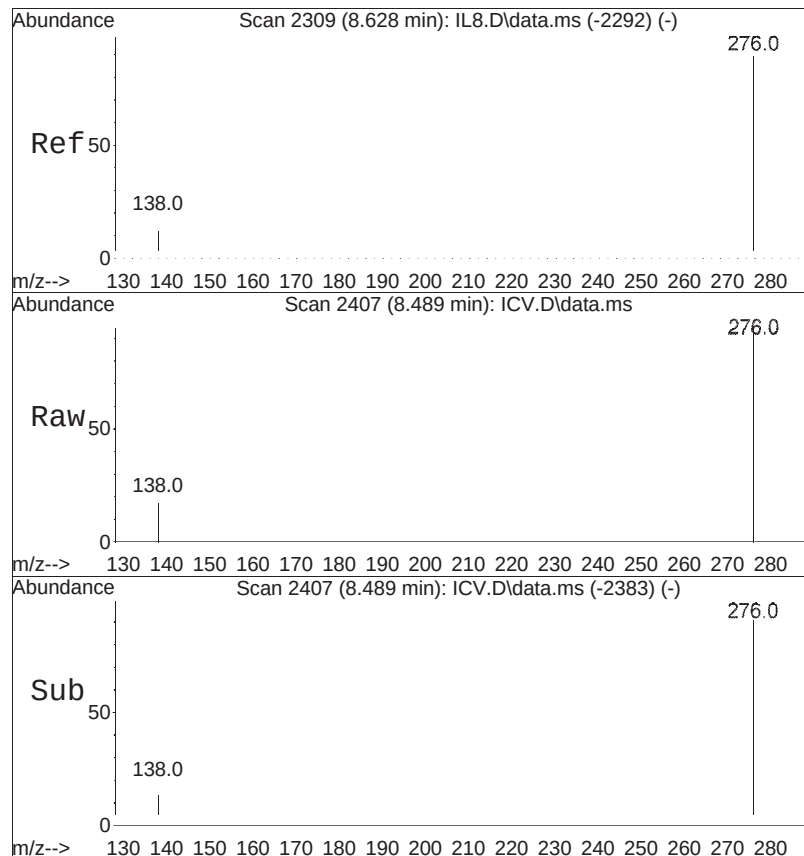




#41
 Benzo[a]pyrene
 Concen: 1044.54 ng/ml
 RT: 7.336 min Scan# 2061
 Delta R.T. -0.008 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

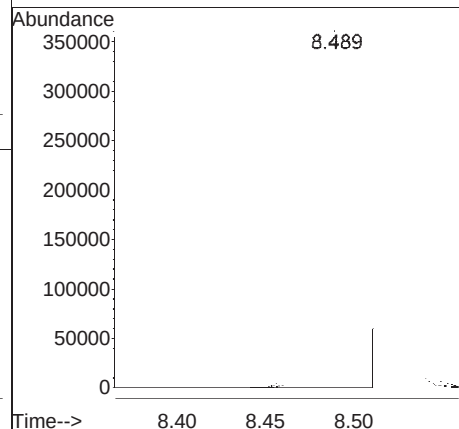
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

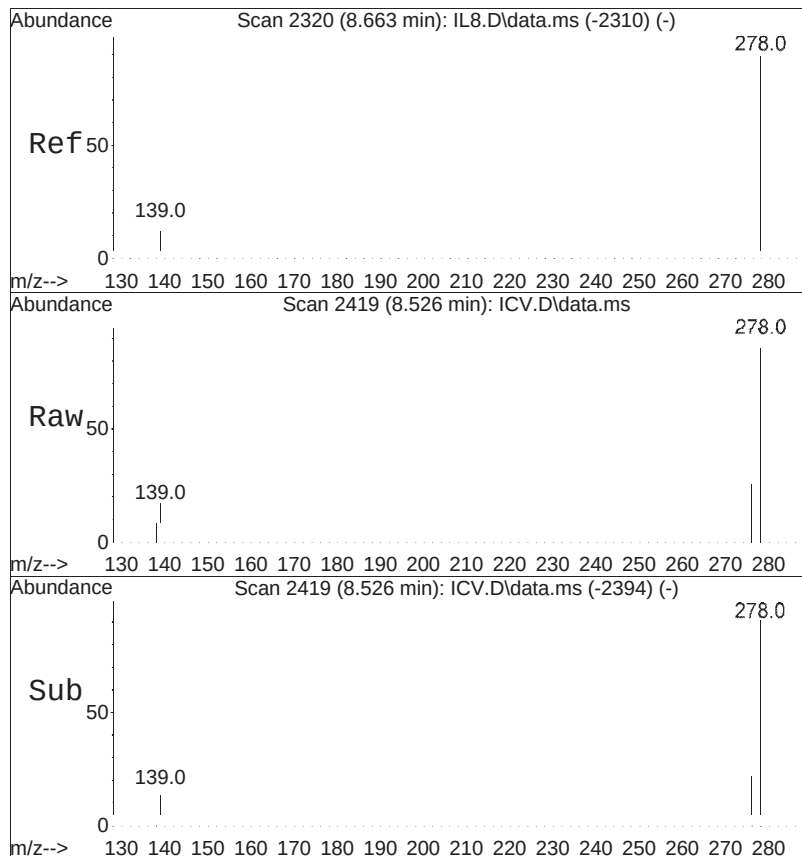




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1039.27 ng/ml
 RT: 8.489 min Scan# 2407
 Delta R.T. -0.005 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

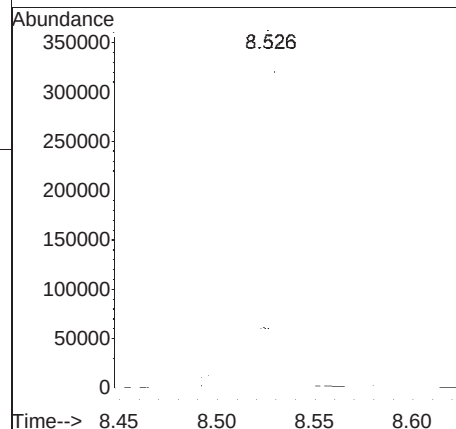
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	15.9	23.9

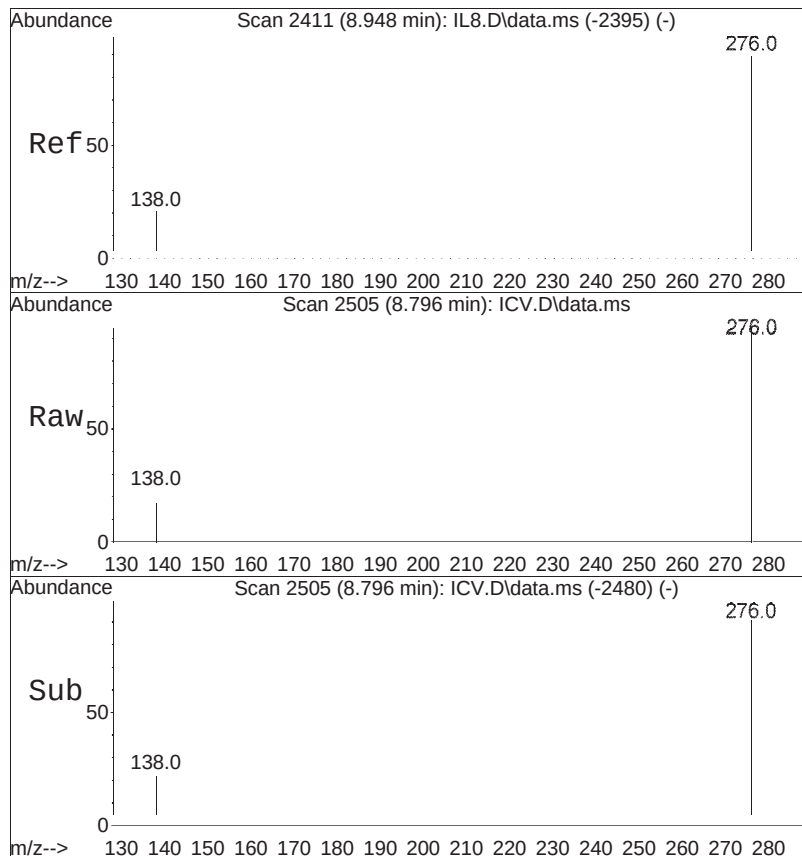




#43
 Dibenzo[a,h]anthracene
 Concen: 994.10 ng/ml M6
 RT: 8.526 min Scan# 2419
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

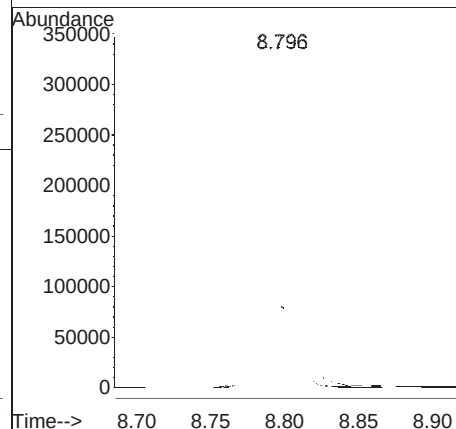
Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1017.53 ng/ml
 RT: 8.796 min Scan# 2505
 Delta R.T. -0.002 min
 Lab File: ICV.D
 Acq: 08 Sep 2025 09:48 pm

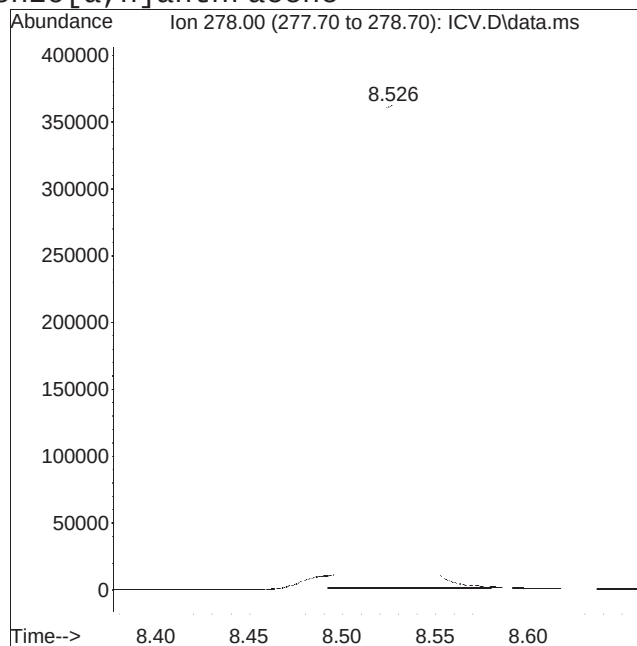
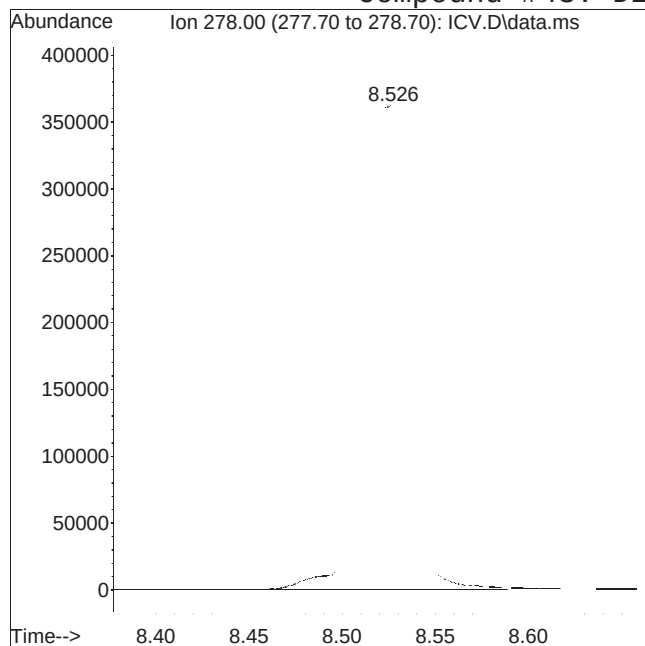
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.1	27.1



Manual Integration Report

Data Path : I:\8270SIM\SV125\250908RVT01.M
Data File : ICV.D
Date Inj'd : 9/8/2025 9:48 pm
Sample : CQICV1,32,,1 Lot# 11696
Method : SIM-RVT_250908_sv125.M
Operator : SV125:ljj
Instrument : SV125
Quant Date : 9/9/2025 3:11 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 536500

Manual Peak Response = 516804 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Method Path : I:\8270SIM\SV125\250908RVTical\
 Method File : SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Tue Sep 09 15:24:20 2025

COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE

20 T 2,4-Dinitrotoluene	L	ng/ml	1000.0	961.336	-3.9	40.00	46.809	17.0
24 T 4,6-Dinitro-o-cresol	L	ng/ml	1000.0	913.011	-8.7	40.00	51.229	28.1
26 T Pentachlorophenol	Q	ng/ml	1000.0	946.025	-5.4	40.00	57.024	42.6
31 T Benzidine	L	ng/ml	1000.0	852.385	-14.8	100.00	284.959	185.0
34 T Benzo[a]anthracene	L	ng/ml	1000.0	995.753	-0.4	2.00	2.274	13.7
35 T 3,3'-Dichlorobenzidine	L	ng/ml	1000.0	956.649	-4.3	40.00	46.929	17.3
37 T Bis(2-ethylhexyl)phthalate	Q	ng/ml	1000.0	962.710	-3.7	40.00	46.513	16.3

Calibration Correlation Report

COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant

20 T 2,4-Dinitrotoluene	Linear	0.998984	0.000000	0.344478	-0.00184703
24 T 4,6-Dinitro-o-cresol	Linear	0.997251	0.000000	0.0939885	-0.000821303
26 T Pentachlorophenol	Quadratic	0.995013	0.037784	0.0676049	-0.000896938
31 T Benzidine	Linear	0.995243	0.000000	0.711216	-0.0504464
34 T Benzo[a]anthracene	Linear	0.999402	0.000000	0.384304	0.000194568
35 T 3,3'-Dichlorobenzidine	Linear	0.999130	0.000000	0.528787	-0.00310821
37 T Bis(2-ethylhexyl)phthalate	Quadratic	0.999041	0.129554	0.718216	-0.0033967

Continuing Calibration

Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : SV125
 Lab File ID : CCV0910
 Sample No : WG2113001-3
 Channel :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Calibration Date : 09/10/25 11:16
 Init. Calib. Date(s) : 09/08/25 09/08/25
 Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	69	0
N-Nitrosodimethylamine	0.648	0.669	.05	-3.2	20	70	0
2-Fluorophenol	0.988	1.179	.05	-19.3	20	77	0
Phenol-d6	1.22	1.381	.05	-13.2	20	73	0
Bis(2-chloroethyl)ether	1.1	1.064	.05	3.3	20	65	0
n-nitrosodi-n-propylamine	0.731	0.714	.05	2.3	20	66	0
Hexachloroethane	0.502	0.486	.05	3.2	20	68	0
Nitrobenzene-d5	0.974	1.046	.05	-7.4	20	69	0
Naphthalene-d8	1	1	.05	0	20	67	0
Naphthalene	1.058	0.977	.05	7.7	20	65	0
Hexachlorobutadiene	0.175	0.165	.05	5.7	20	64	0
2-Methylnaphthalene	0.617	0.6	.05	2.8	20	65	0
1-Methylnaphthalene	0.663	0.637	.05	3.9	20	66	0
2-Fluorobiphenyl	0.816	0.77	.05	5.6	20	65	0
2-Chloronaphthalene	0.693	0.644	.05	7.1	20	63	0
2,6-Dinitrotoluene	0.128	0.14	.05	-9.4	20	70	0
Acenaphthylene	1.095	1.096	.05	-0.1	20	65	0
Acenaphthene-d10	1	1	.05	0	20	67	0
Acenaphthene	1.279	1.228	.05	4	20	65	0
2,4-Dinitrotoluene	1000	992.412	.05	0.8	20	70	0
Fluorene	1.432	1.395	.05	2.6	20	65	0
2,4,6-Tribromophenol	0.149	0.193	.05	-29.5*	20	76	0
Phenanthrene-d10	1	1	.05	0	20	71	0
4,6-Dinitro-o-cresol	1000	950.62	.05	4.9	20	74	0
Hexachlorobenzene	0.217	0.197	.05	9.2	20	64	0
Pentachlorophenol	1000	1186.579	.05	-18.7	20	92	0
Phenanthrene	1.143	1.057	.05	7.5	20	66	0
Anthracene	1.09	1.06	.05	2.8	20	68	0
Fluoranthene	1.236	1.233	.05	0.2	20	71	0
Pyrene	1.268	1.278	.05	-0.8	20	70	0
Benzidine	1000	716.164	.05	28.4*	20	54	0
4-Terphenyl-d14	0.802	0.786	.05	2	20	72	0
Chrysene-d12	1	1	.05	0	20	74	0
Benzo[a]anthracene	1000	1020.379	.05	-2	20	76	0
3,3'-Dichlorobenzidine	1000	1011.212	.05	-1.1	20	78	0
Chrysene	1.27	1.27	.05	0	20	71	0
Bis(2-ethylhexyl)phthalate	1000	1085.779	.05	-8.6	20	84	0
Perylene-d12	1	1	.05	0	20	78	0
Benzo[b]fluoranthene	1.265	1.351	.05	-6.8	20	84	0
Benzo[k]fluoranthene	1.282	1.302	.05	-1.6	20	75	0
Benzo[a]pyrene	1.119	1.226	.05	-9.6	20	81	0
Indeno[1,2,3-cd]pyrene	1.063	1.216	.05	-14.4	20	85	0
Dibenzo[a,h]anthracene	1.054	1.147	.05	-8.8	20	82	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : SV125
Lab File ID : CCV0910
Sample No : WG2113001-3
Channel :

Lab Number : L2555938
Project Number : 2232.0006Y005
Calibration Date : 09/10/25 11:16
Init. Calib. Date(s) : 09/08/25 09/08/25
Init. Calib. Times : 19:01 21:31

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.096	1.192	.05	-8.8	20	82	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : ccv0910.D
 Acq On : 10 Sep 2025 11:16 am
 Operator : SV125:dv
 Sample : wg2113001-3,32,,ICV 11696 (0829e)
 Misc : wg2113001,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 11:36:11 2025
 Quant Method : I:\8270SIM\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:48 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	69	0.00
2 T	N-Nitrosodimethylamine	0.648	0.669	-3.2	70	0.00
3 s	2-Fluorophenol	0.988	1.179	-19.3	77	0.00
4 s	Phenol-d6	1.220	1.381	-13.2	73	0.00
5 T	Bis(2-chloroethyl)ether	1.100	1.064	3.3	65	0.00
6 T	n-nitrosodi-n-propylamine	0.731	0.714	2.3	66	0.00
7 t	Hexachloroethane	0.502	0.486	3.2	68	0.00
8 s	Nitrobenzene-d5	0.974	1.046	-7.4	69	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	67	0.00
10 t	Naphthalene	1.058	0.977	7.7	65	0.00
11 t	Hexachlorobutadiene	0.175	0.165	5.7	64	0.00
12 t	2-Methylnaphthalene	0.617	0.600	2.8	65	0.00
13 t	1-Methylnaphthalene	0.663	0.637	3.9	66	0.00
14 s	2-Fluorobiphenyl	0.816	0.770	5.6	65	0.00
15 t	2-Chloronaphthalene	0.693	0.644	7.1	63	0.00
16 t	2,6-Dinitrotoluene	0.128	0.140	-9.4	70	0.00
17 t	Acenaphthylene	1.095	1.096	-0.1	65	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	67	0.00
19 t	Acenaphthene	1.279	1.228	4.0	65	0.00
20 t	2,4-Dinitrotoluene	*1000.000	992.412	0.8	70	0.00
21 t	Fluorene	1.432	1.395	2.6	65	0.00
22 s	2,4,6-Tribromophenol	0.149	0.193	-29.5#	76	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	71	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	950.620	4.9	74	0.00
25 t	Hexachlorobenzene	0.217	0.197	9.2	64	0.00
26 t	Pentachlorophenol	*1000.000	1186.579	-18.7	92	0.00
27 t	Phenanthrene	1.143	1.057	7.5	66	0.00
28 t	Anthracene	1.090	1.060	2.8	68	0.00
29 t	Fluoranthene	1.236	1.233	0.2	71	0.00
30 t	Pyrene	1.268	1.278	-0.8	70	0.00
31 T	Benzidine	*1000.000	716.164	28.4#	54	0.00
32 s	4-Terphenyl-d14	0.802	0.786	2.0	72	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	74	0.00
34 t	Benzo[a]anthracene	*1000.000	1020.379	-2.0	76	0.00
35 t	3,3'-Dichlorobenzidine	*1000.000	1011.212	-1.1	78	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : ccv0910.D
 Acq On : 10 Sep 2025 11:16 am
 Operator : SV125:dv
 Sample : wg2113001-3,32,,ICV 11696 (0829e)
 Misc : wg2113001,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 11:36:11 2025
 Quant Method : I:\8270SIM\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:48 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.270	1.270	0.0	71	0.00
37 T	Bis(2-ethylhexyl)phthalate	*1000.000	1085.779	-8.6	84	0.00
38 i	Perylene-d12	1.000	1.000	0.0	78	0.00
39 t	Benzo[b]fluoranthene	1.265	1.351	-6.8	84	0.00
40 t	Benzo[k]fluoranthene	1.282	1.302	-1.6	75	0.00
41 t	Benzo[a]pyrene	1.119	1.226	-9.6	81	0.00
42 t	Indeno[1,2,3-cd]pyrene	1.063	1.216	-14.4	85	0.00
43 t	Dibenzo[a,h]anthracene	1.054	1.147	-8.8	82	0.00
44 t	Benzo[g,h,i]perylene	1.096	1.192	-8.8	82	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : ccv0910.D
 Acq On : 10 Sep 2025 11:16 am
 Operator : SV125:dv
 Sample : wg2113001-3,32,,ICV 11696 (0829e)
 Misc : wg2113001,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 11:36:11 2025
 Quant Method : I:\8270SIM\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:48 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.310	152	224293	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.965	136	856626	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.933	164	485847	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.765	188	985427	4000.000	ng/ml	0.00
33) Chrysene-d12	6.303	240	873687	4000.000	ng/ml	0.00
38) Perylene-d12	7.373	264	895700	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	66129	1193.958	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	59.70%		
4) Phenol-d6	2.136	99	77455	1131.958	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	56.60%		
8) Nitrobenzene-d5	2.591	82	58678	1073.883	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	107.39%		
14) 2-Fluorobiphenyl	3.561	172	164976	943.695	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	94.37%		
22) 2,4,6-Tribromophenol	4.376	330	23401	1295.521	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	64.78%		
32) 4-Terphenyl-d14	5.682	244	193614	980.399	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	98.04%		
Target Compounds						
					Qvalue	
2) N-Nitrosodimethylamine	1.231	74	37538	1032.999	ng/mL#	95
5) Bis(2-chloroethyl)ether	2.183	93	59684	967.415	ng/ml	99
6) n-nitrosodi-n-propylamine	2.516	70	40010	976.013	ng/ml	100
7) Hexachloroethane	2.566	117	27238	967.868	ng/ml	98
10) Naphthalene	2.978	128	209169	923.404	ng/ml	100
11) Hexachlorobutadiene	3.051	225	35298	940.573	ng/ml	99
12) 2-Methylnaphthalene	3.353	142	128520	972.125	ng/ml	100
13) 1-Methylnaphthalene	3.408	142	136368	960.089	ng/ml	99
15) 2-Chloronaphthalene	3.622	162	137890	929.342	ng/ml	100
16) 2,6-Dinitrotoluene	3.821	165	29895	1091.504	ng/ml	99
17) Acenaphthylene	3.851	152	234804	1000.948	ng/ml	100
19) Acenaphthene	3.949	153	149140	960.174	ng/ml	95
20) 2,4-Dinitrotoluene	4.046	165	40626	992.412	ng/ml	99
21) Fluorene	4.239	166	169429	974.094	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.273	198	21202	950.620	ng/ml	99
25) Hexachlorobenzene	4.552	284	48572	907.854	ng/ml	98
26) Pentachlorophenol	4.664	266	22155	1186.579	ng/ml	99
27) Phenanthrene	4.777	178	260427	925.244	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : ccv0910.D
 Acq On : 10 Sep 2025 11:16 am
 Operator : SV125:dv
 Sample : wg2113001-3,32,,ICV 11696 (0829e)
 Misc : wg2113001,,ical22616
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 11:36:11 2025
 Quant Method : I:\8270SIM\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:48 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

28)	Anthracene	4.806	178	261032	972.131	ng/ml	100
29)	Fluoranthene	5.451	202	303779	997.985	ng/ml	99
30)	Pyrene	5.581	202	314879	1007.869	ng/ml	100
31)	Benizidine	5.537	184	75770	716.164	ng/mL	99
34)	Benzo[a]anthracene	6.295	226	85821	1020.379	ng/ml	99
35)	3,3'-Dichlorobenzidine	6.289	252	114078	1011.212	ng/ml	99
36)	Chrysene	6.317	228	277382	999.784	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.338	149	175703	1085.779	ng/ml	100
39)	Benzo[b]fluoranthene	7.043	252	302528	1067.689	ng/ml	95
40)	Benzo[k]fluoranthene	7.063	252	291517	1015.300	ng/ml	95
41)	Benzo[a]pyrene	7.313	252	274642	1096.510	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.464	276	272263	1144.034	ng/ml	98
43)	Dibenzo[a,h]anthracene	8.499	278	256779M6	1088.229	ng/ml	
44)	Benzo[g,h,i]perylene	8.769	276	266824	1087.581	ng/ml	99

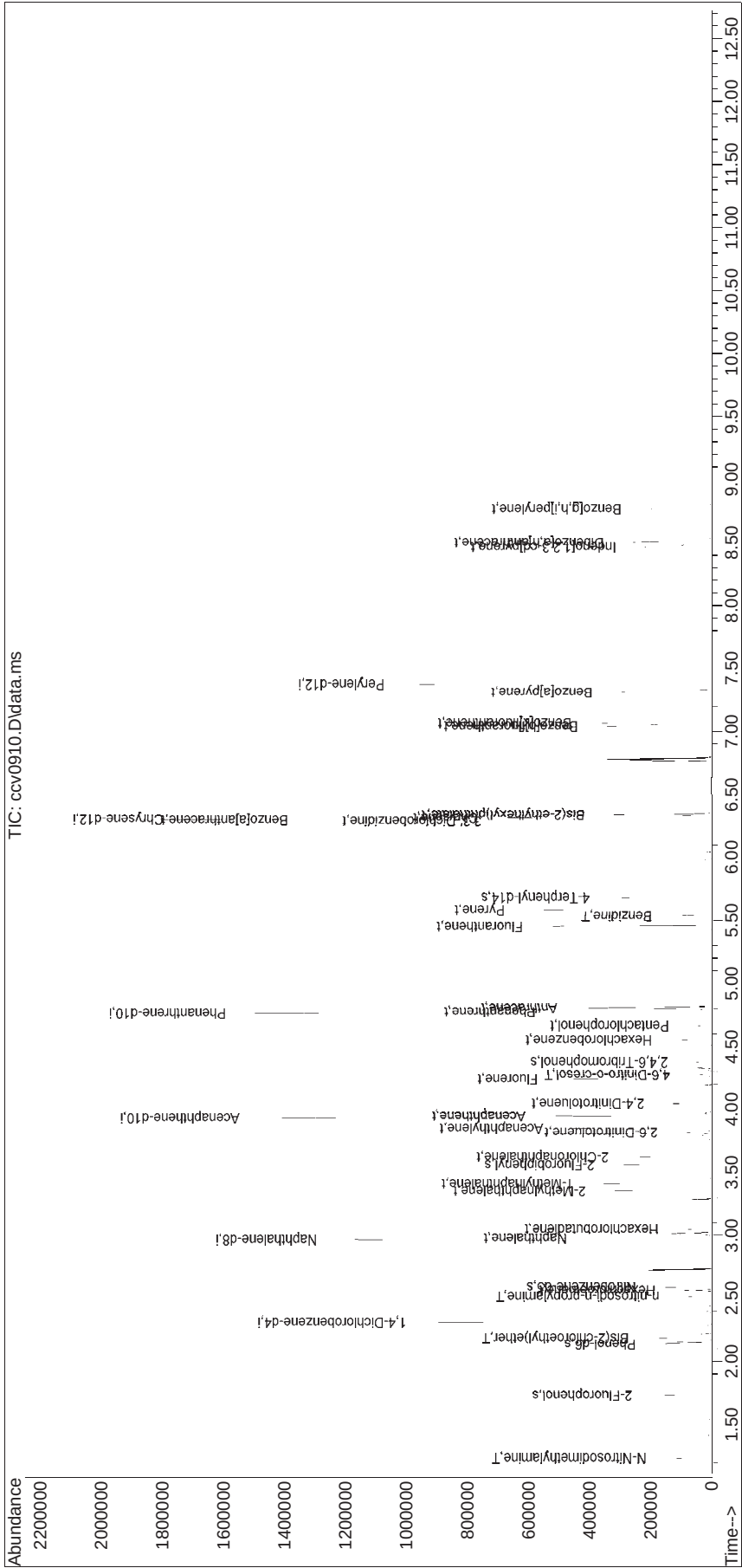
(#) = qualifier out of range (m) = manual integration (+) = signals summed

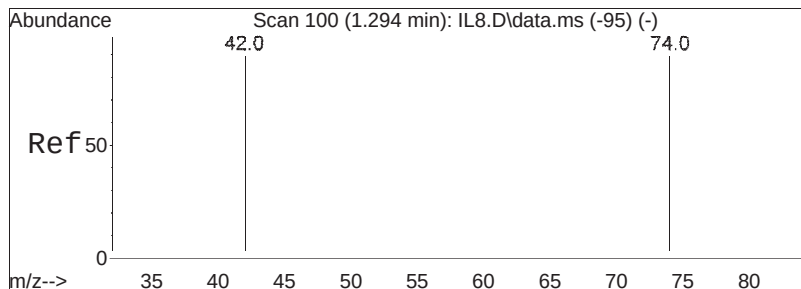
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
Data File : ccv0910.D
Acq On : 10 Sep 2025 11:16 am
Operator : SV125:dv
Sample : wg2113001-3,32,,ICV 11696 (0829e)
Misc : wg2113001,,ical22616
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 11:36:11 2025
Quant Method : I:\8270SIM\SV125\250910RVT\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Wed Sep 10 11:36:48 2025
Response via : Initial Calibration

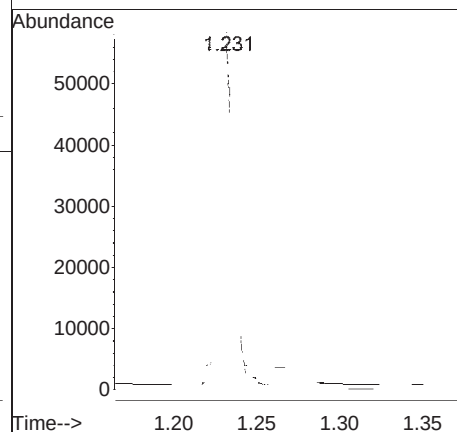
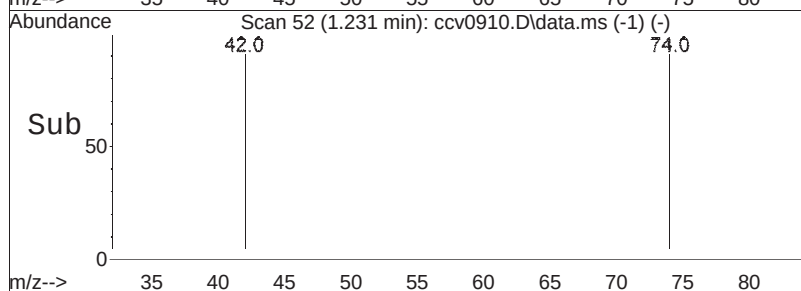
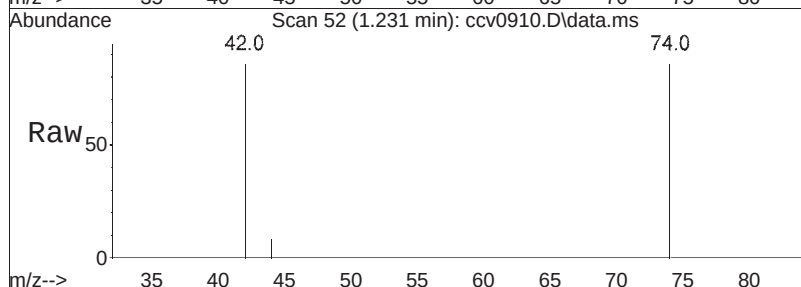
Sub List : Default - All compounds listed

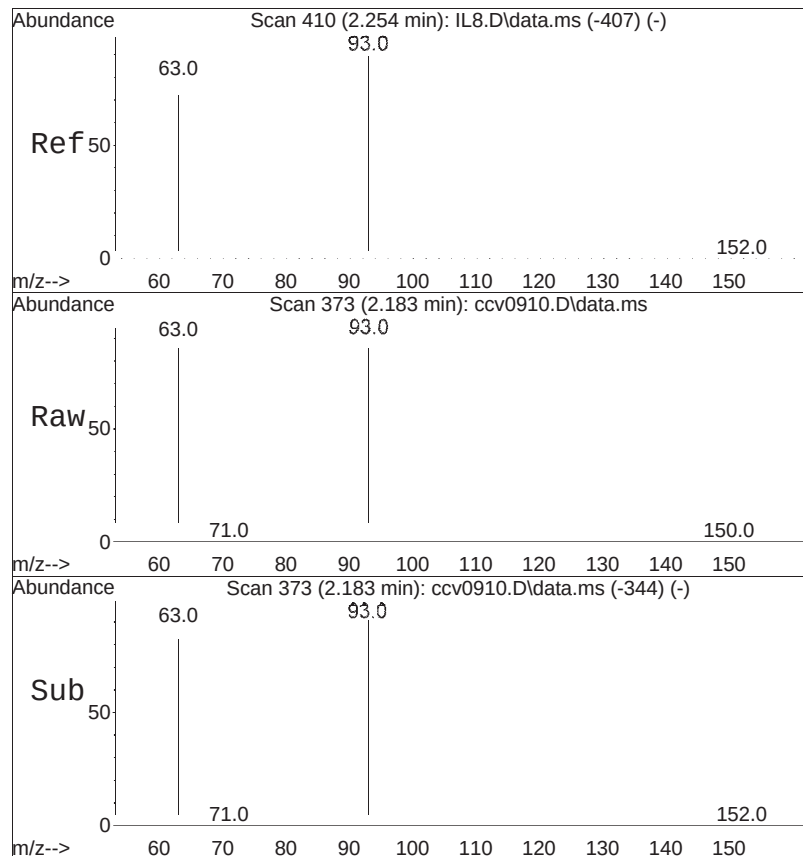




#2
 N-Nitrosodimethylamine
 Concen: 1033.00 ng/mL
 RT: 1.231 min Scan# 52
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

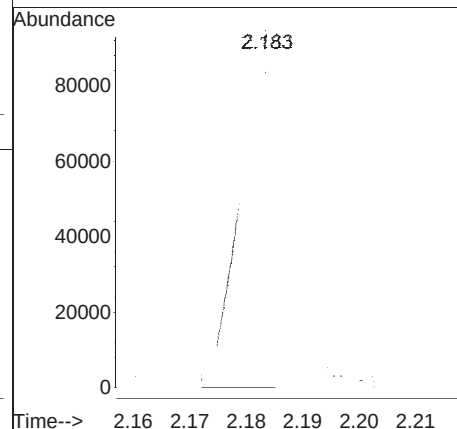
Tgt Ion: 74 Resp: 37538
 Ion Ratio Lower Upper
 74 100
 42 103.5 86.9 130.3
 44 10.6 5.8 8.8#

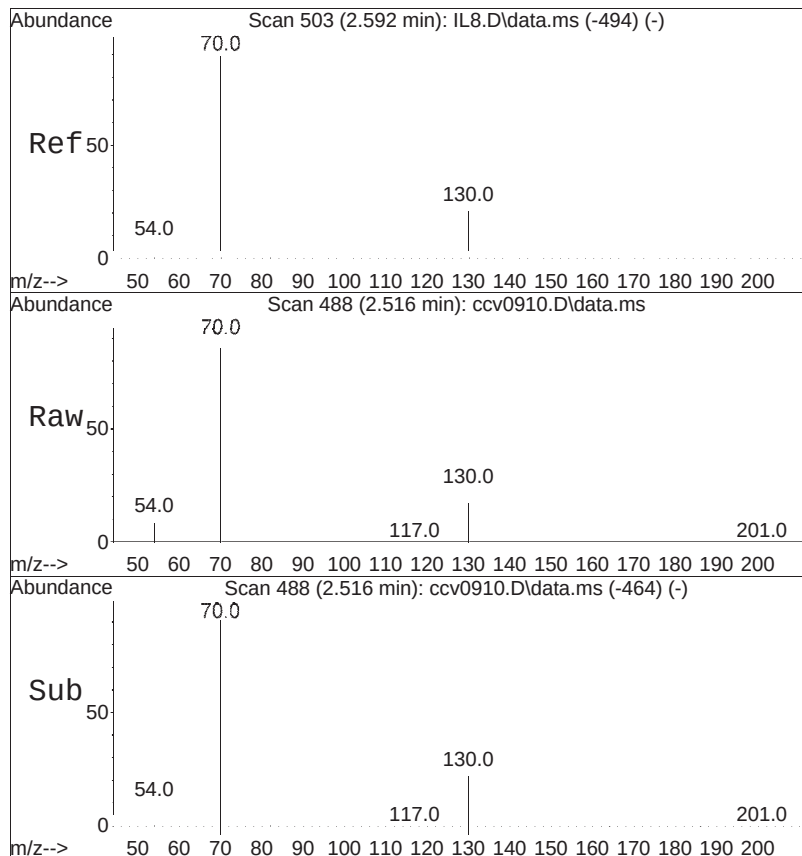




#5
 Bis(2-chloroethyl)ether
 Concen: 967.41 ng/ml
 RT: 2.183 min Scan# 373
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

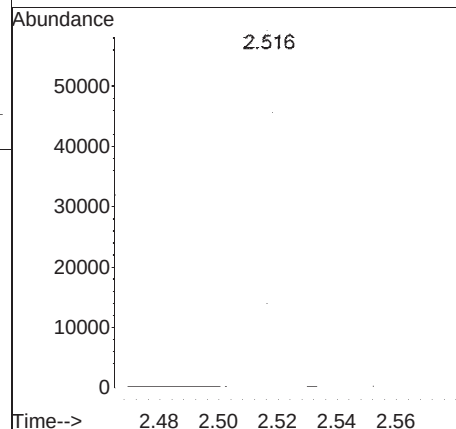
Tgt	Ion	Ratio	Lower	Upper
93	100			
63	87.2	68.6	103.0	

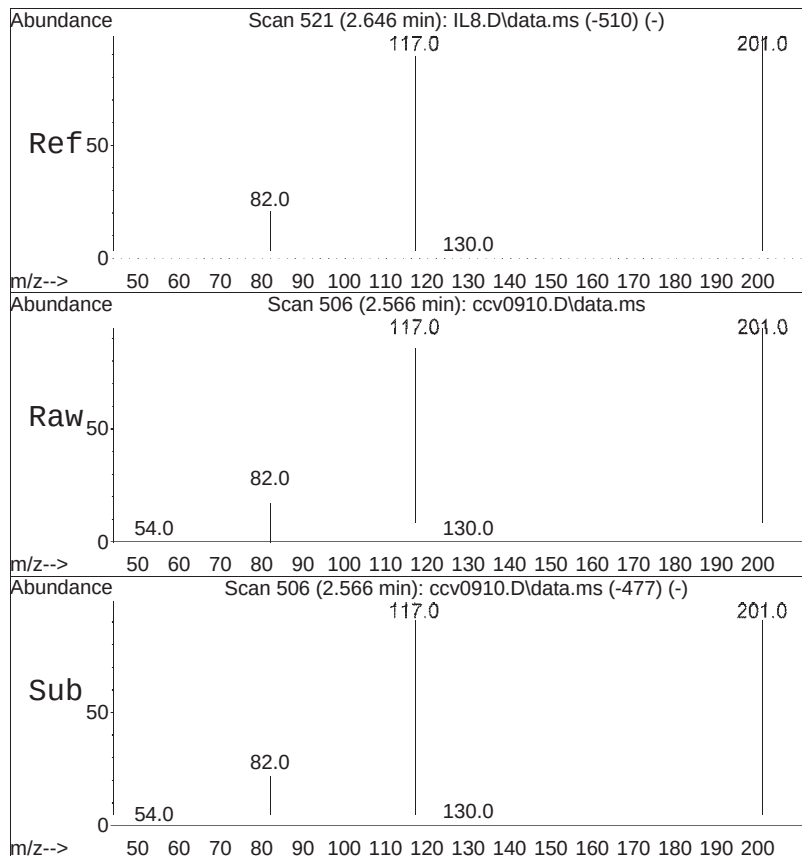




#6
 n-nitrosodi-n-propylamine
 Concen: 976.01 ng/ml
 RT: 2.516 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

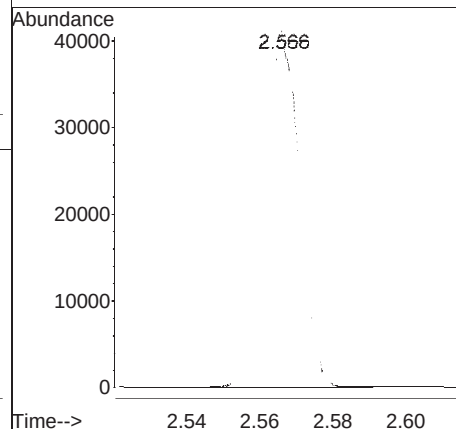
Tgt Ion	Ratio	Lower	Upper
70	100		
130	22.9	18.4	27.6

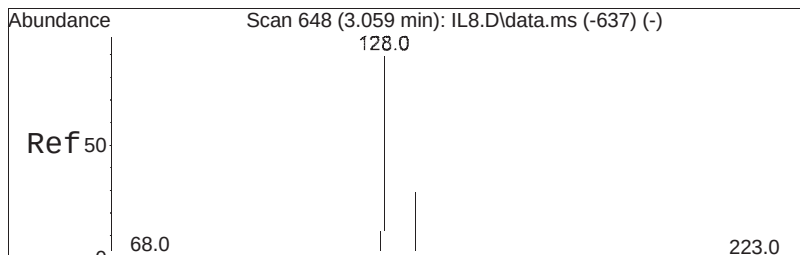




#7
 Hexachloroethane
 Concen: 967.87 ng/ml
 RT: 2.566 min Scan# 506
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

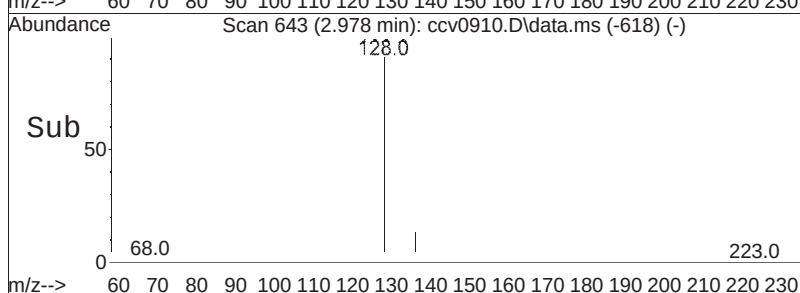
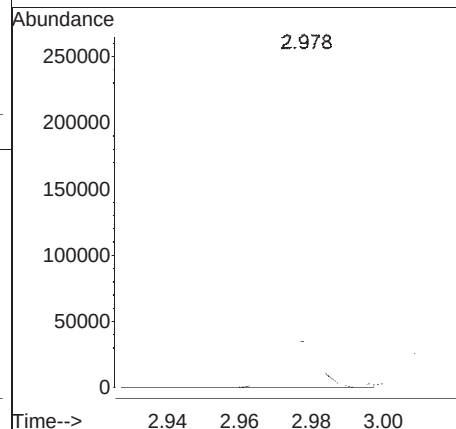
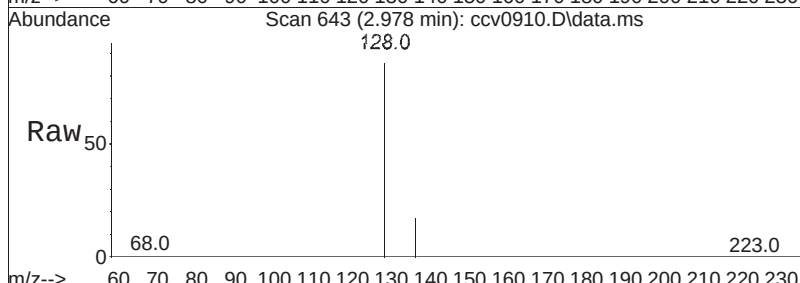
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27238		
201	98.2		80.2	120.2

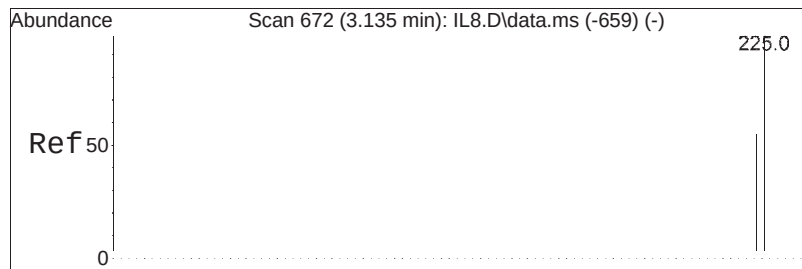




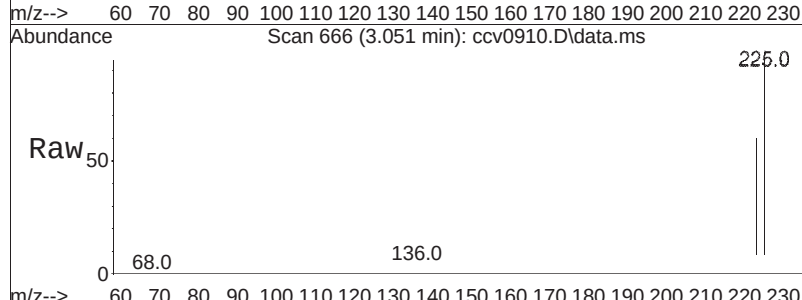
#10
 Naphthalene
 Concen: 923.40 ng/ml
 RT: 2.978 min Scan# 643
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

Tgt	Ion	Ratio	Resp	Lower	Upper
128	100		209169		
129	10.9	8.8		13.2	
127	13.1	10.6		15.8	

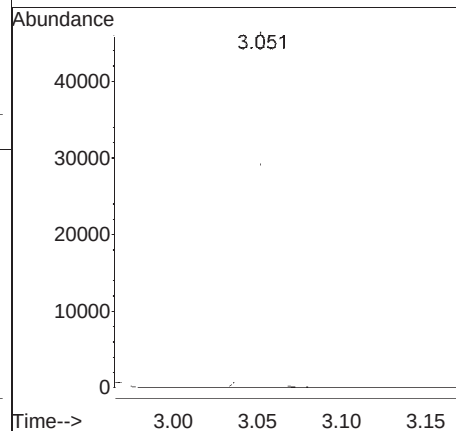
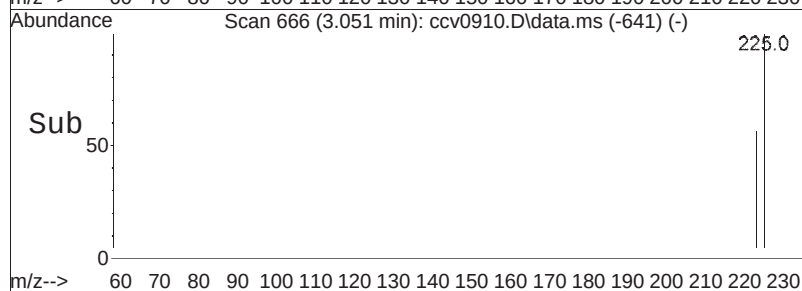


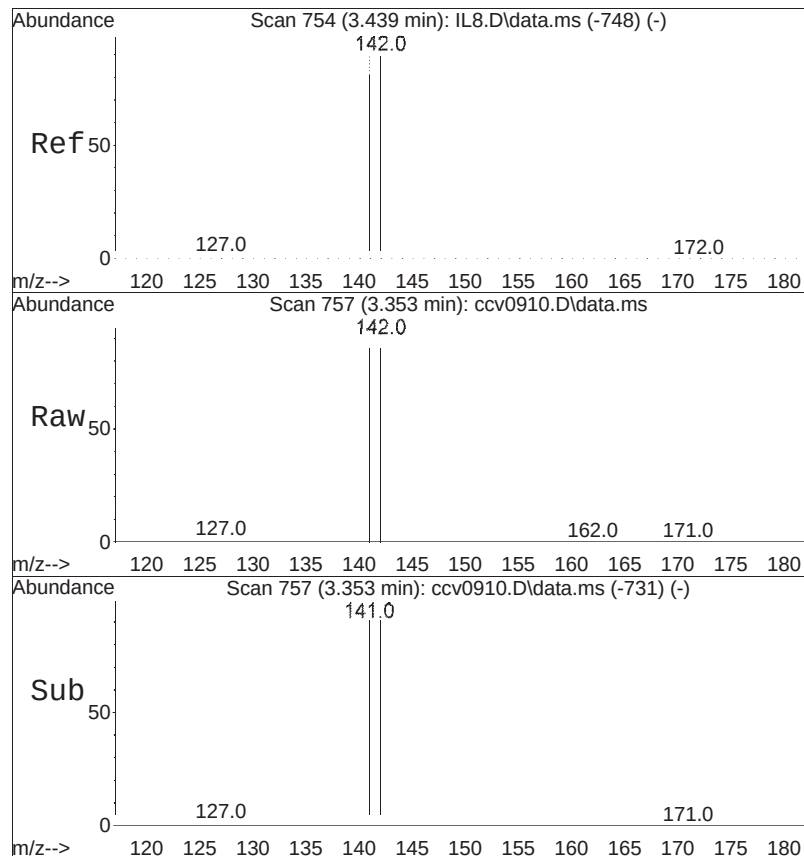


#11
 Hexachlorobutadiene
 Concen: 940.57 ng/ml
 RT: 3.051 min Scan# 666
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am



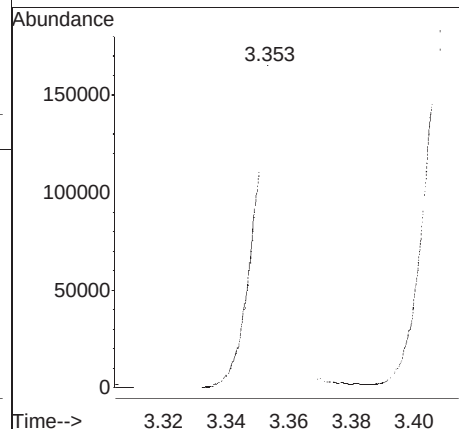
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8

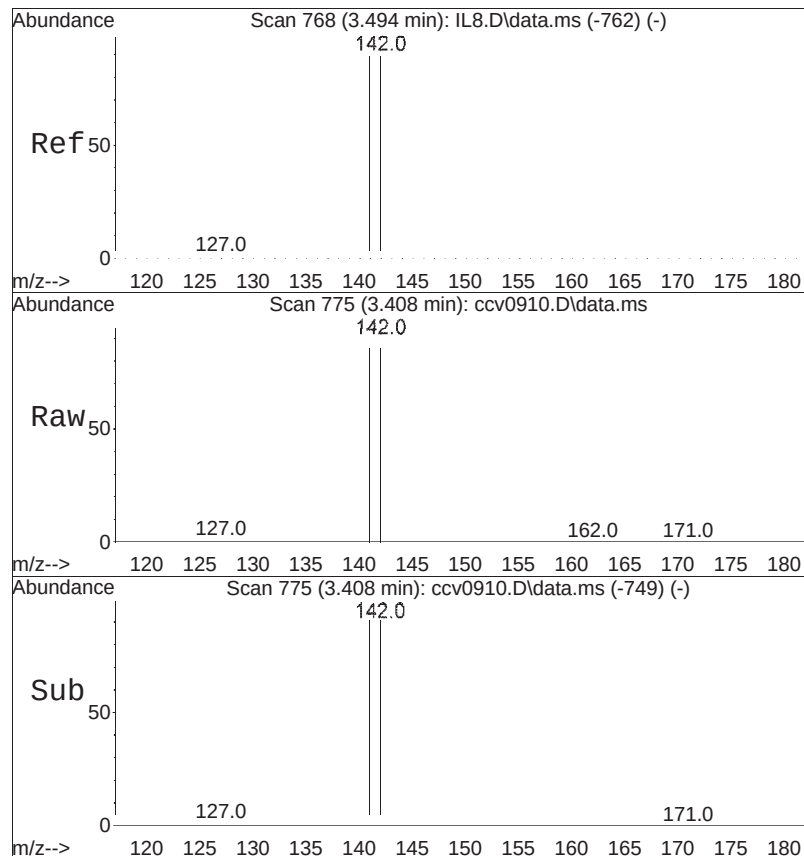




#12
 2-Methylnaphthalene
 Concen: 972.13 ng/ml
 RT: 3.353 min Scan# 757
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

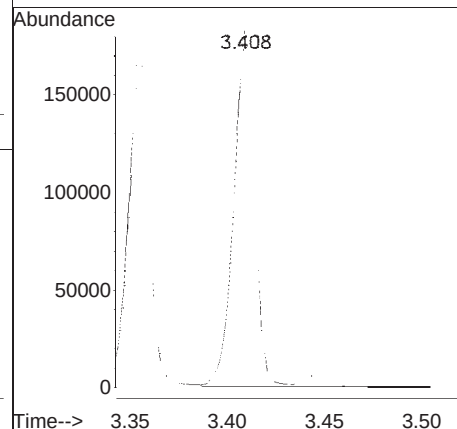
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.2	111.4

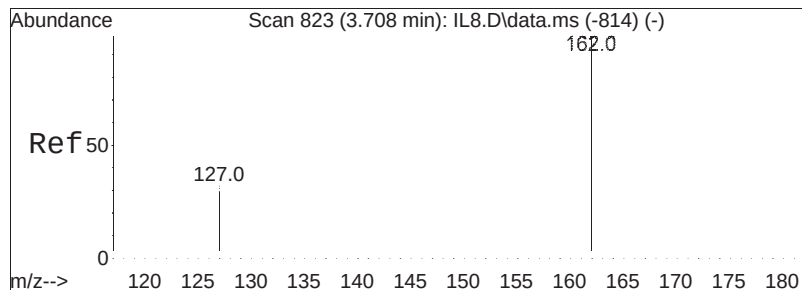




#13
 1-Methylnaphthalene
 Concen: 960.09 ng/ml
 RT: 3.408 min Scan# 775
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

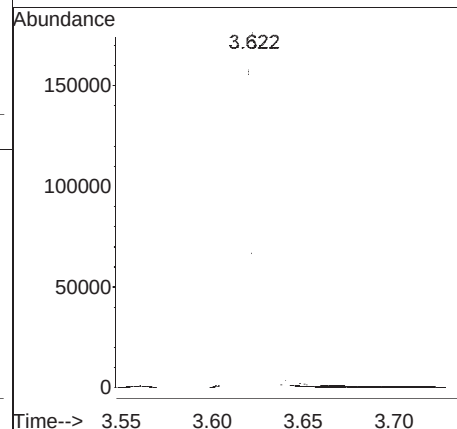
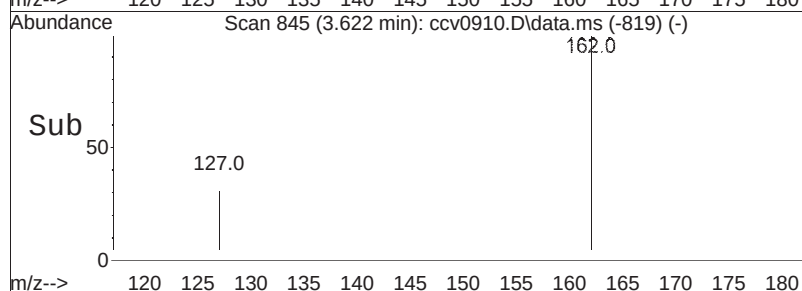
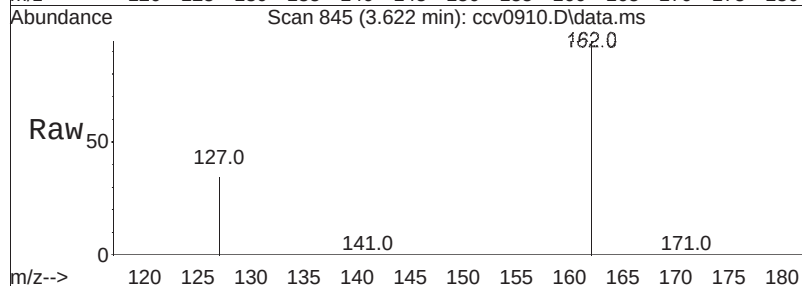
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.1	76.3	114.5

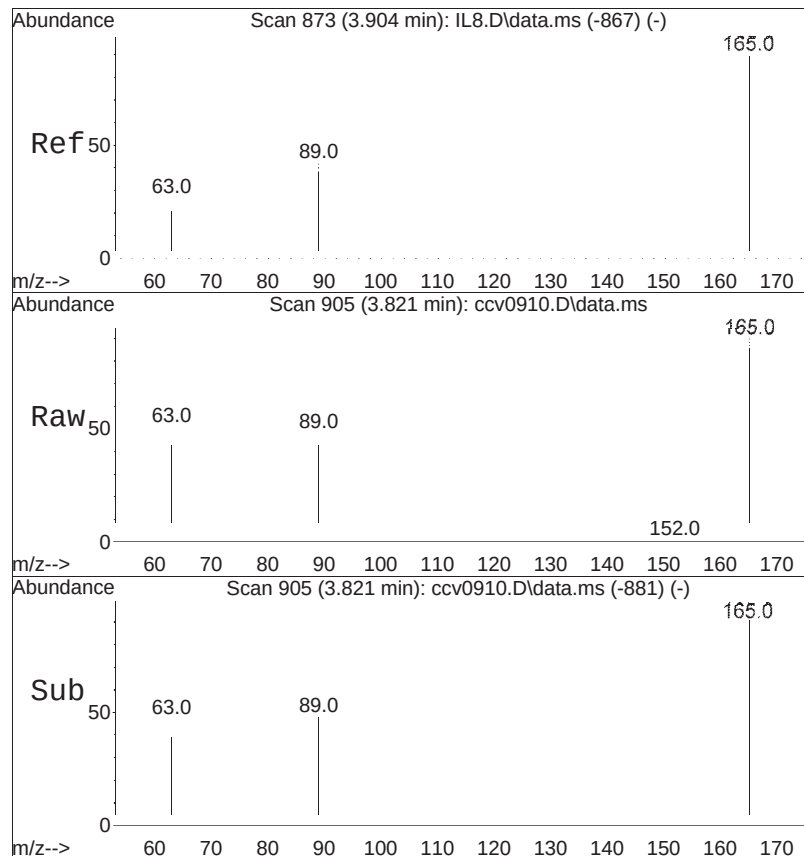




#15
 2-Chloronaphthalene
 Concen: 929.34 ng/ml
 RT: 3.622 min Scan# 845
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

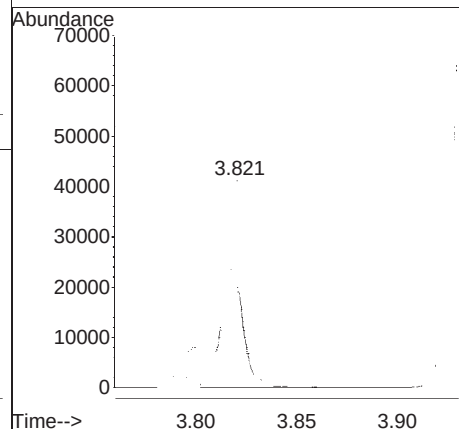
Tgt	Ion	Ratio	Lower	Upper
162	100			
127	37.7	30.0	45.0	

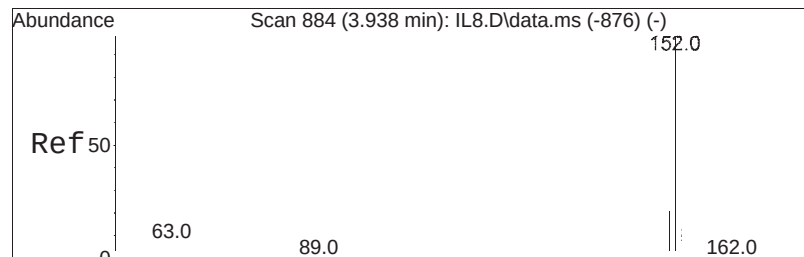




#16
 2,6-Dinitrotoluene
 Concen: 1091.50 ng/ml
 RT: 3.821 min Scan# 905
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

Tgt Ion:	165	Resp:	29895
Ion Ratio	Lower	Upper	
165	100		
89	53.0	43.1	64.7
63	53.5	43.4	65.2





#17

Acenaphthylene

Concen: 1000.95 ng/ml

RT: 3.851 min Scan# 915

Delta R.T. 0.000 min

Lab File: ccv0910.D

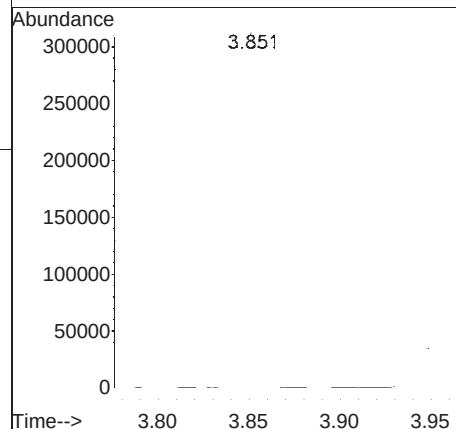
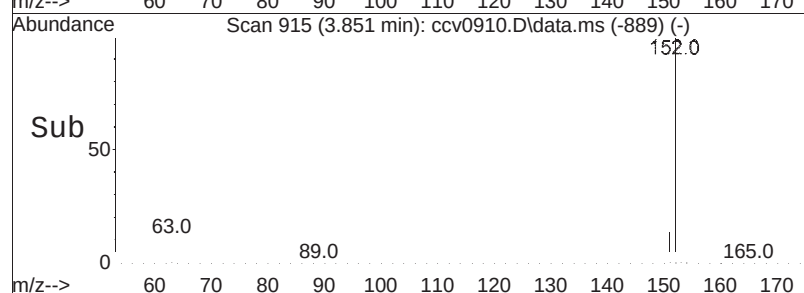
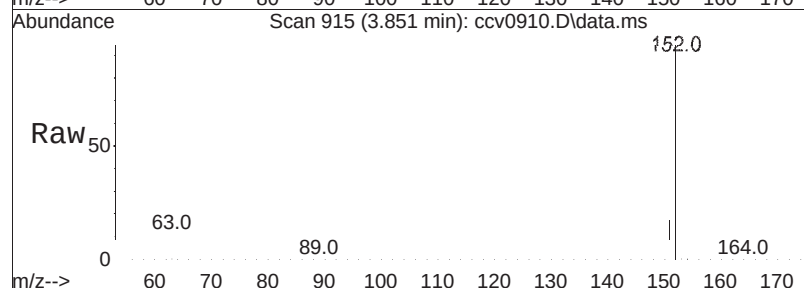
Acq: 10 Sep 2025 11:16 am

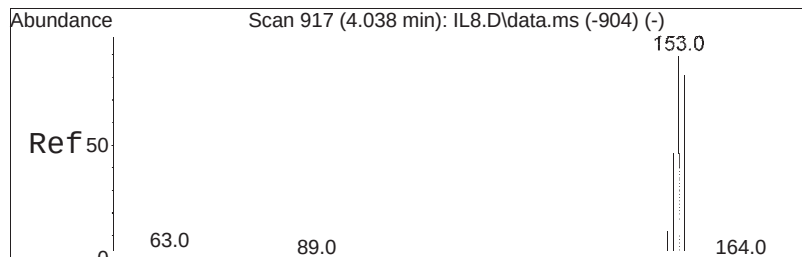
Tgt Ion:152 Resp: 234804

Ion Ratio Lower Upper

152 100

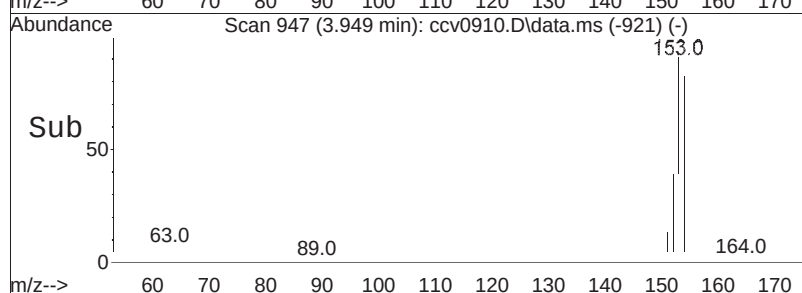
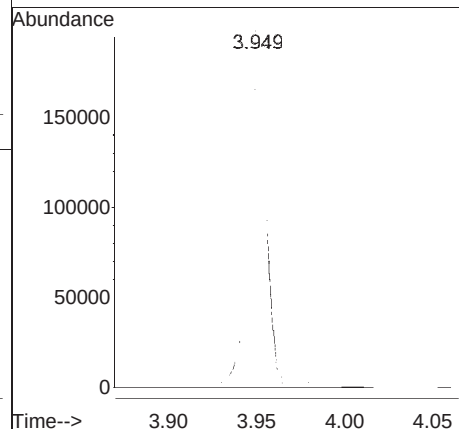
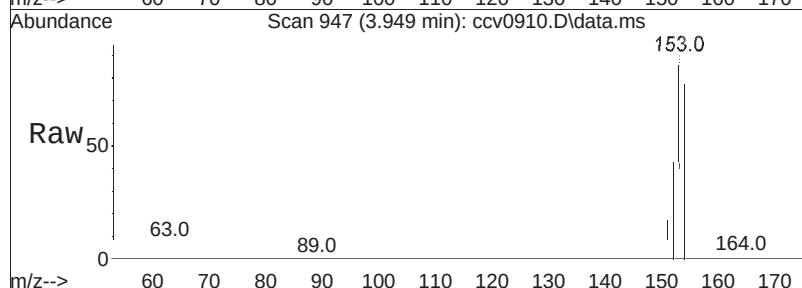
151 20.0 16.1 24.1

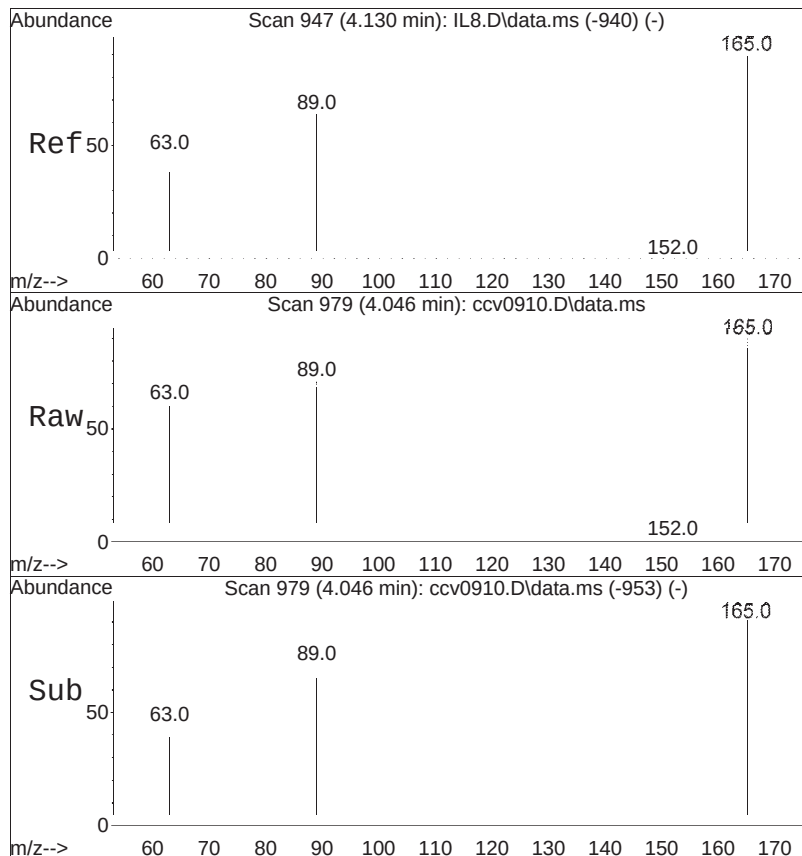




#19
 Acenaphthene
 Concen: 960.17 ng/ml
 RT: 3.949 min Scan# 947
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

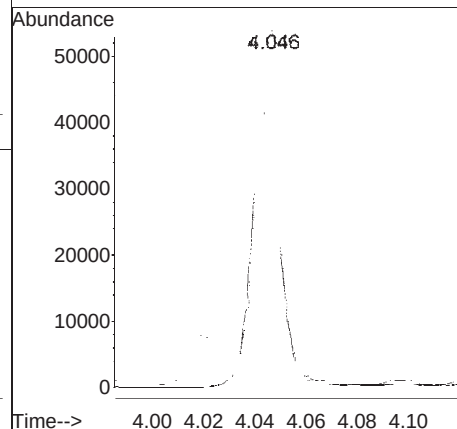
Tgt Ion	Ratio	Lower	Upper
153	100		
154	85.8	72.2	108.4

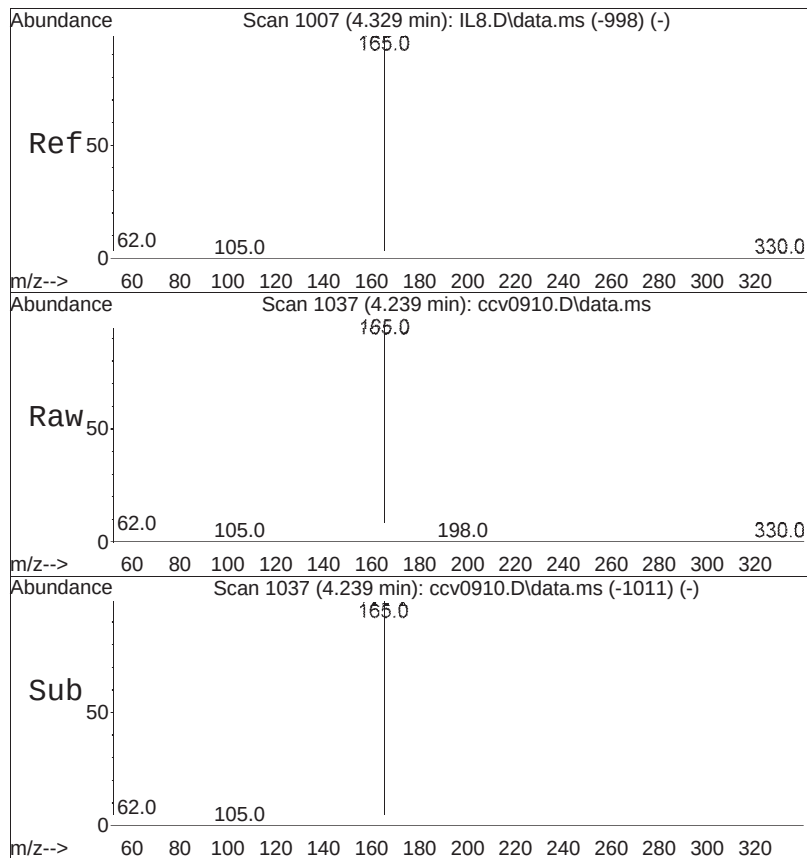




#20
 2,4-Dinitrotoluene
 Concen: 992.41 ng/ml
 RT: 4.046 min Scan# 979
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

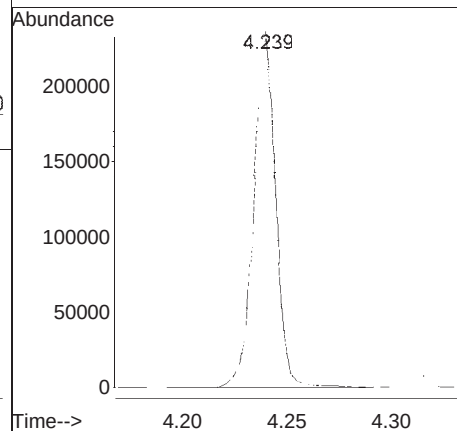
Tgt Ion:	165	Resp:	40626
Ion Ratio	Lower	Upper	
165	100		
89	78.2	62.5	93.7
63	66.0	53.8	80.6

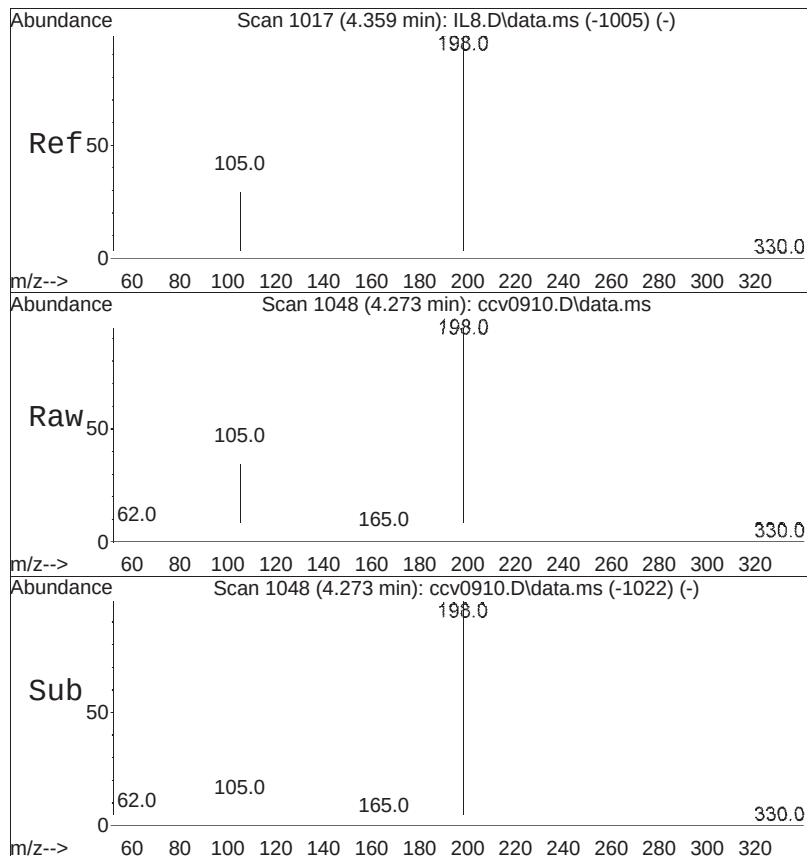




#21
 Fluorene
 Concen: 974.09 ng/ml
 RT: 4.239 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

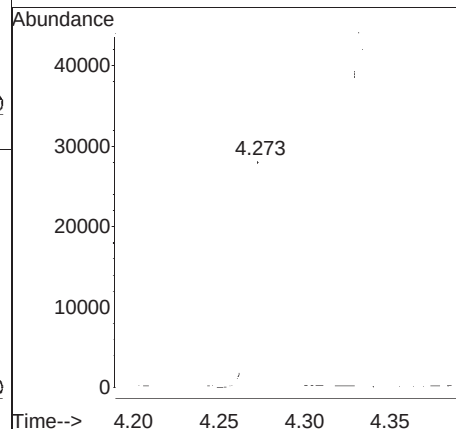
Tgt	Ion	Ratio	Resp	Lower	Upper
166	100		169429		
165	102.4	81.5	122.3		

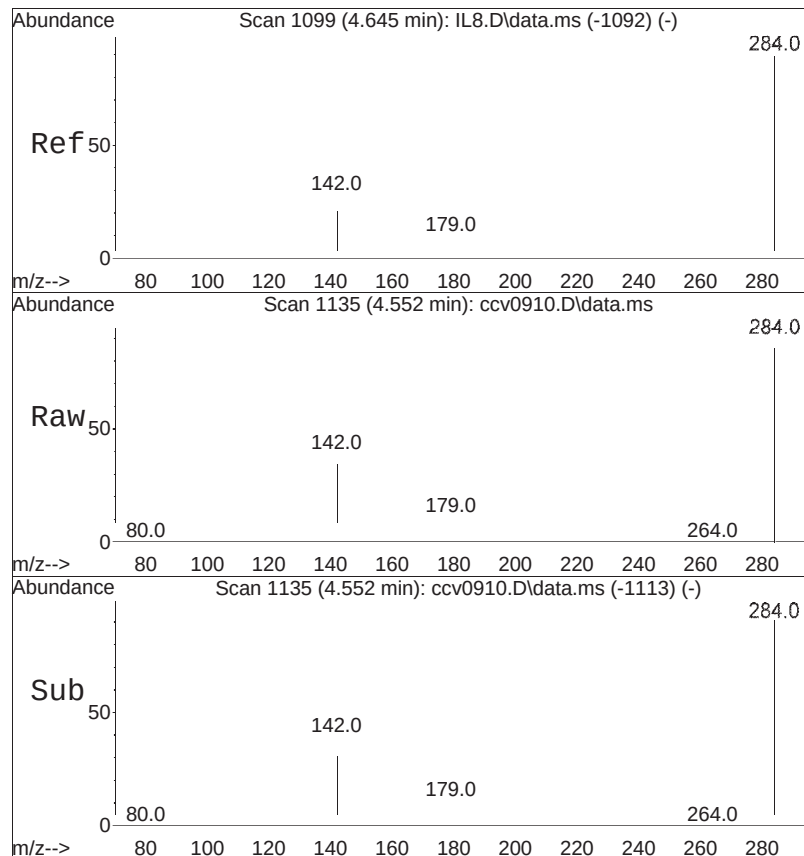




#24
 4,6-Dinitro-o-cresol
 Concen: 950.62 ng/ml
 RT: 4.273 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

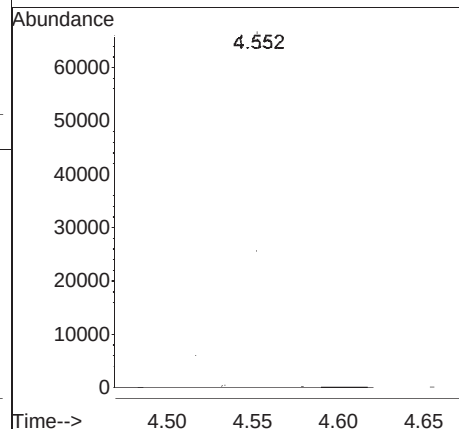
Tgt Ion	Ratio	Lower	Upper
198	100		
105	45.1	35.4	53.0

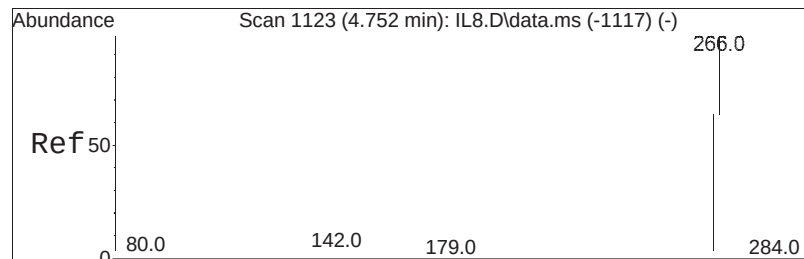




#25
 Hexachlorobenzene
 Concen: 907.85 ng/ml
 RT: 4.552 min Scan# 1135
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

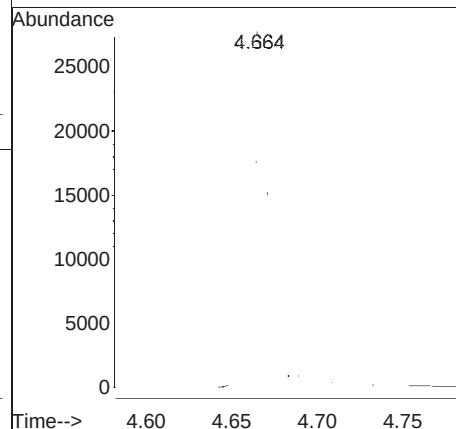
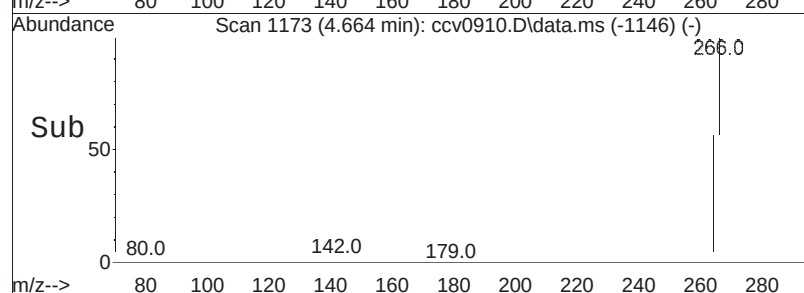
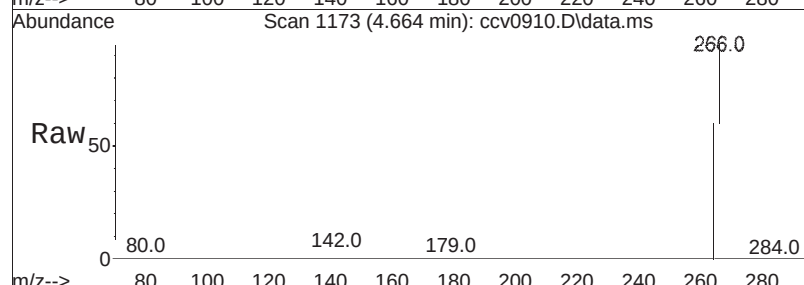
Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.2	29.4	44.2

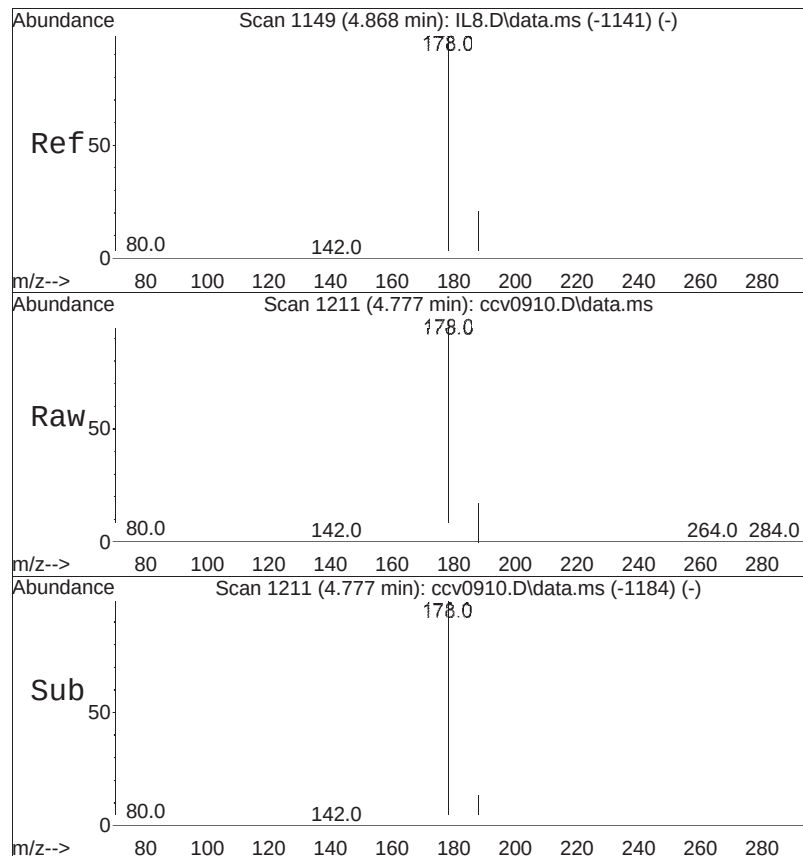




#26
 Pentachlorophenol
 Concen: 1186.58 ng/ml
 RT: 4.664 min Scan# 1173
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

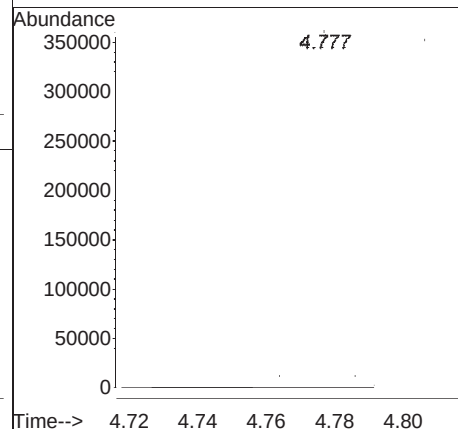
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.9	74.9

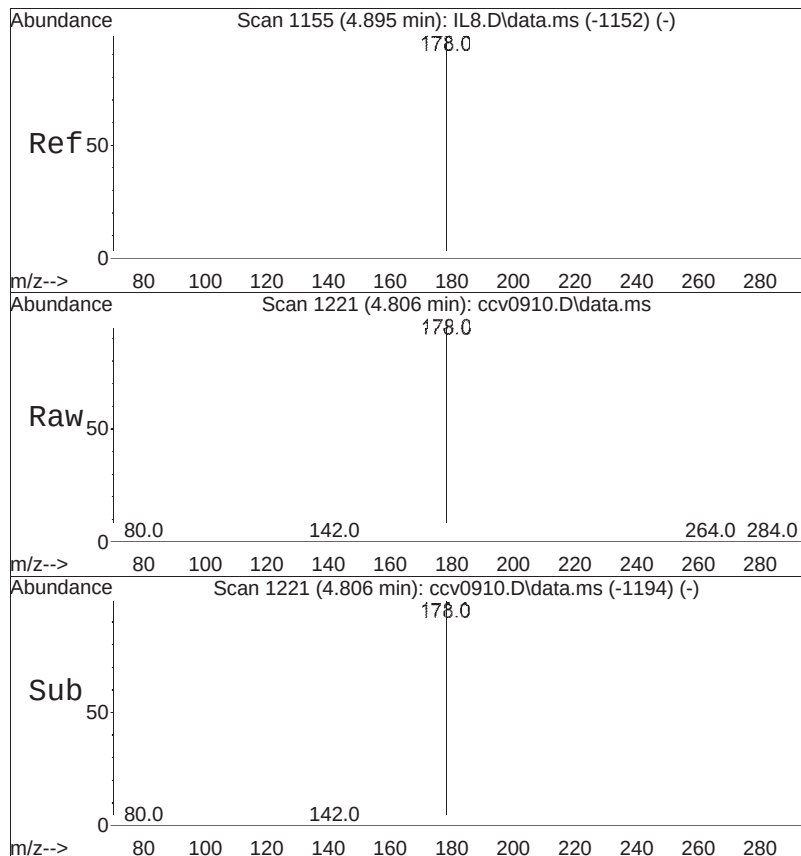




#27
 Phenanthrene
 Concen: 925.24 ng/ml
 RT: 4.777 min Scan# 1211
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

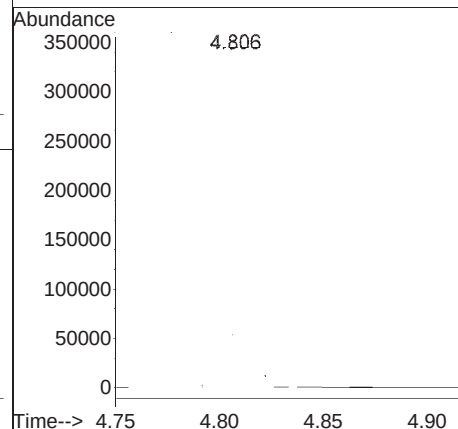
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

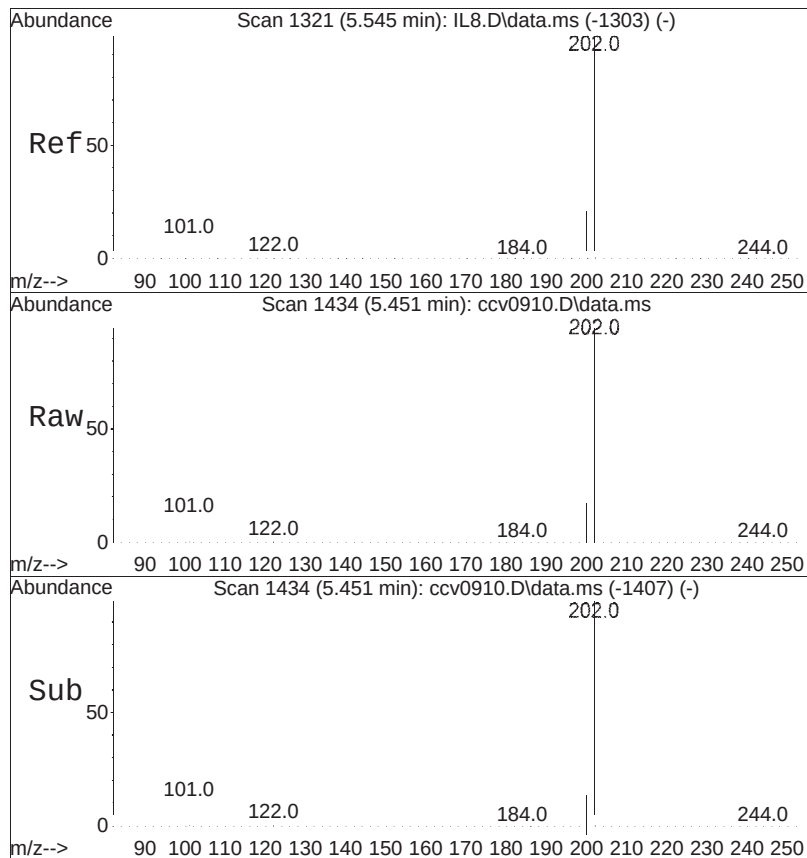




#28
 Anthracene
 Concen: 972.13 ng/ml
 RT: 4.806 min Scan# 1221
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

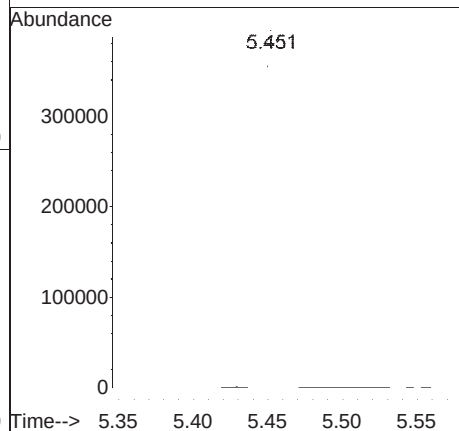
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

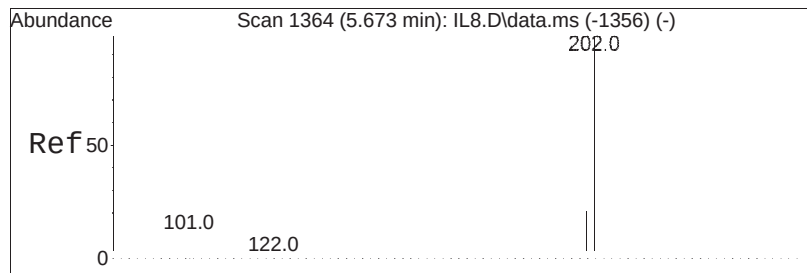




#29
 Fluoranthene
 Concen: 997.98 ng/ml
 RT: 5.451 min Scan# 1434
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

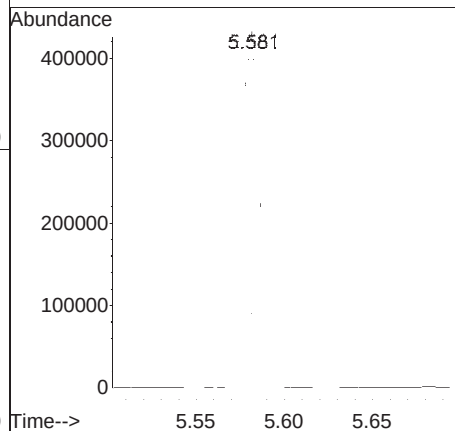
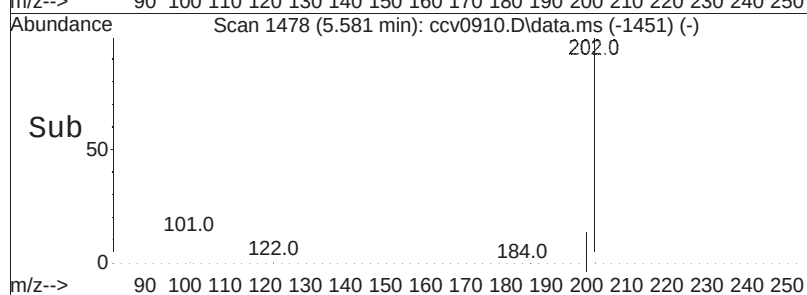
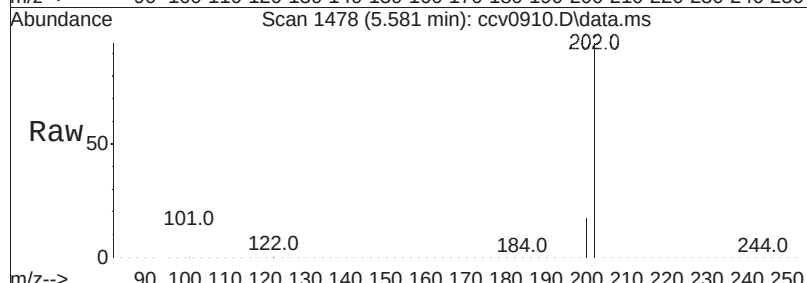
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		303779		
101	10.8	8.3	12.5		

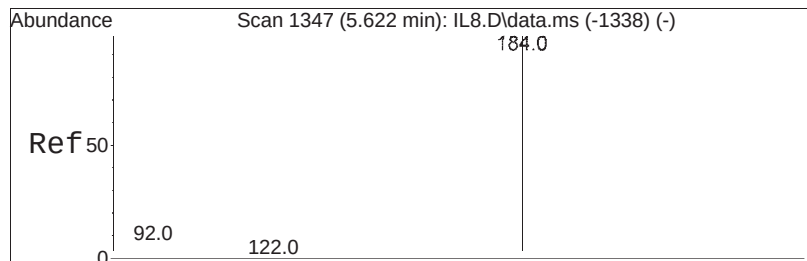




#30
 Pyrene
 Concen: 1007.87 ng/ml
 RT: 5.581 min Scan# 1478
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2





#31

Benzidine

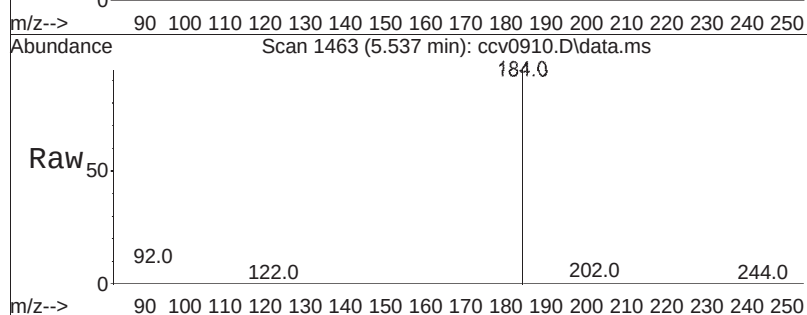
Concen: 716.16 ng/mL

RT: 5.537 min Scan# 1463

Delta R.T. 0.000 min

Lab File: ccv0910.D

Acq: 10 Sep 2025 11:16 am



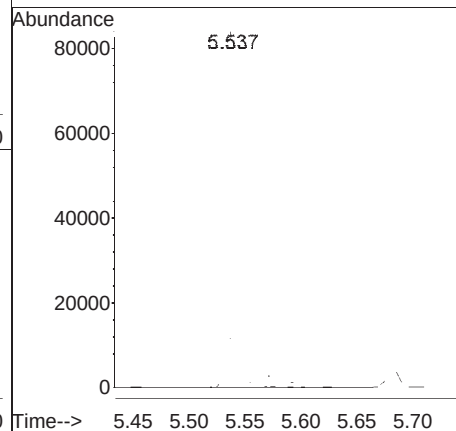
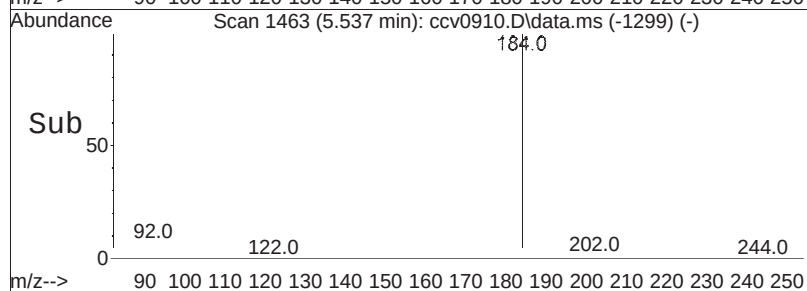
Tgt Ion:184 Resp: 75770

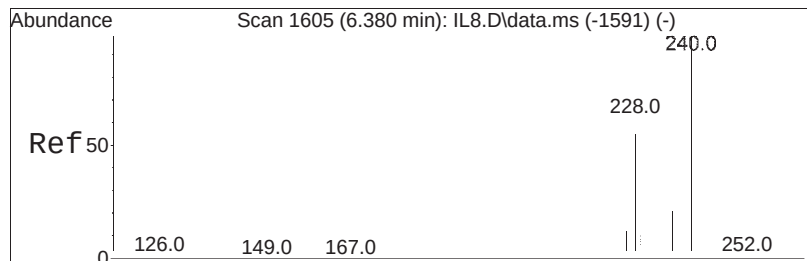
Ion Ratio Lower Upper

184 100

92 6.8 5.4 8.0

185 13.3 11.2 16.8





#34

Benzo[a]anthracene

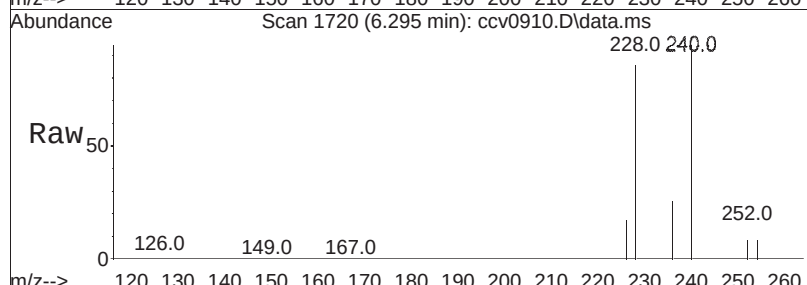
Concen: 1020.38 ng/ml

RT: 6.295 min Scan# 1720

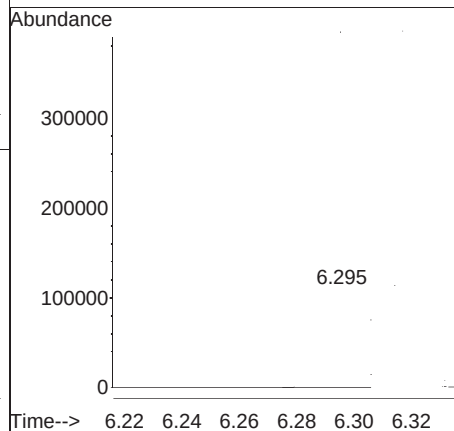
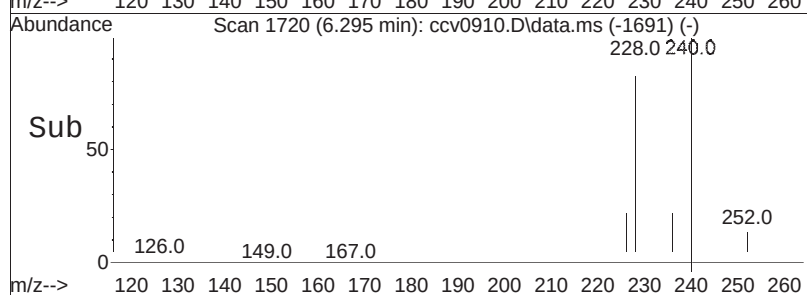
Delta R.T. 0.000 min

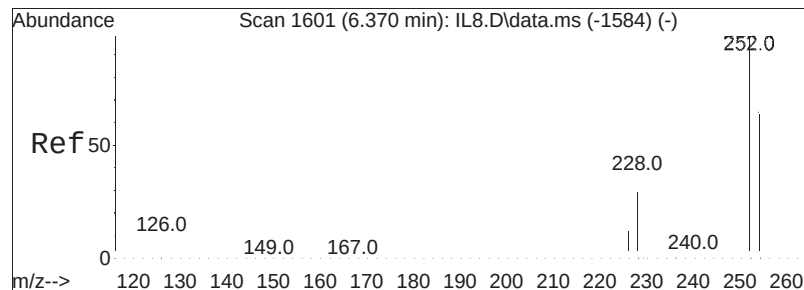
Lab File: ccv0910.D

Acq: 10 Sep 2025 11:16 am



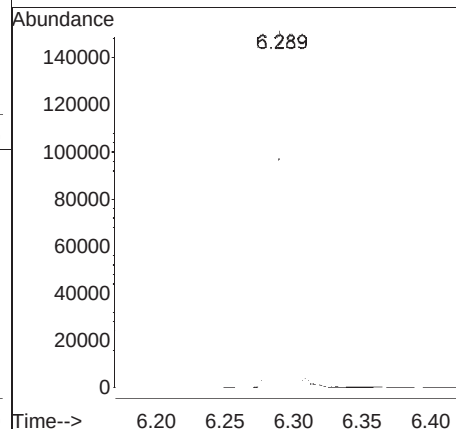
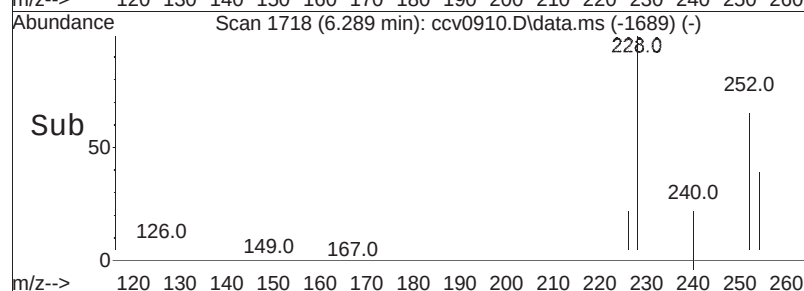
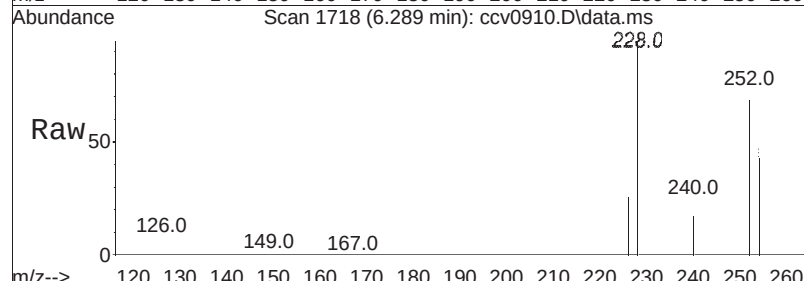
Tgt Ion:	226	Resp:	85821
Ion Ratio	Lower	Upper	
226	100		
229	69.8	56.4	84.6
228	356.3	287.5	431.3
229	69.8	56.4	84.6

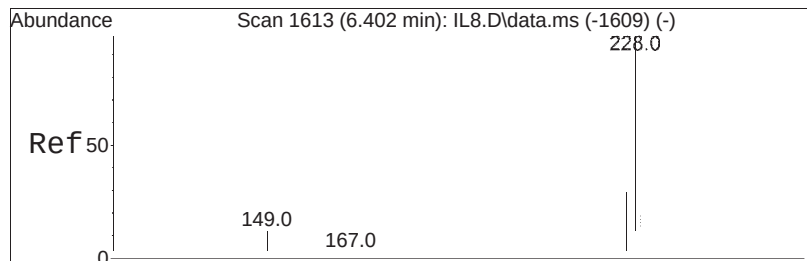




#35
 3,3'-Dichlorobenzidine
 Concen: 1011.21 ng/ml
 RT: 6.289 min Scan# 1718
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

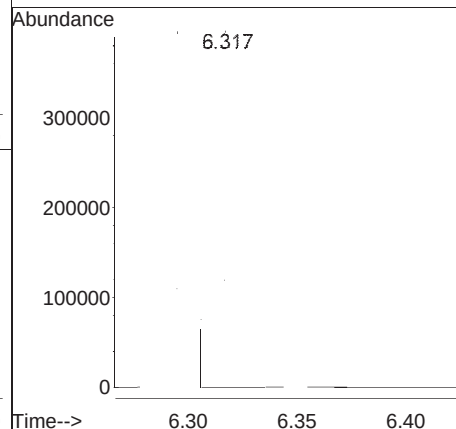
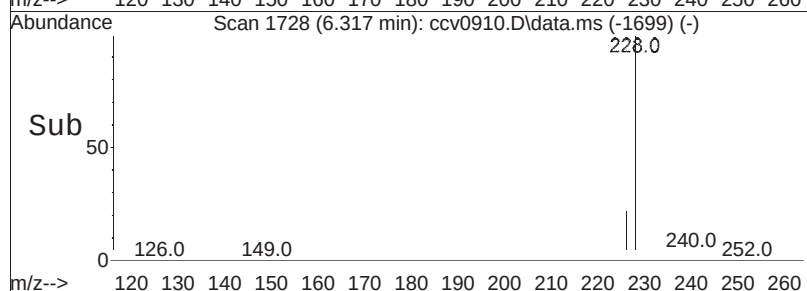
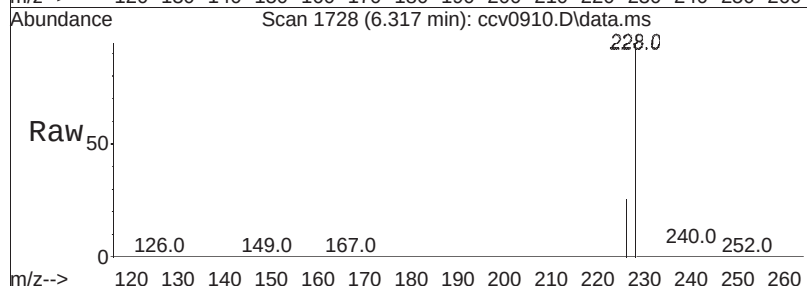
Tgt	Ion:252	Resp:	114078
Ion	Ratio	Lower	Upper
252	100		
126	14.3	10.6	16.0
254	64.2	51.6	77.4

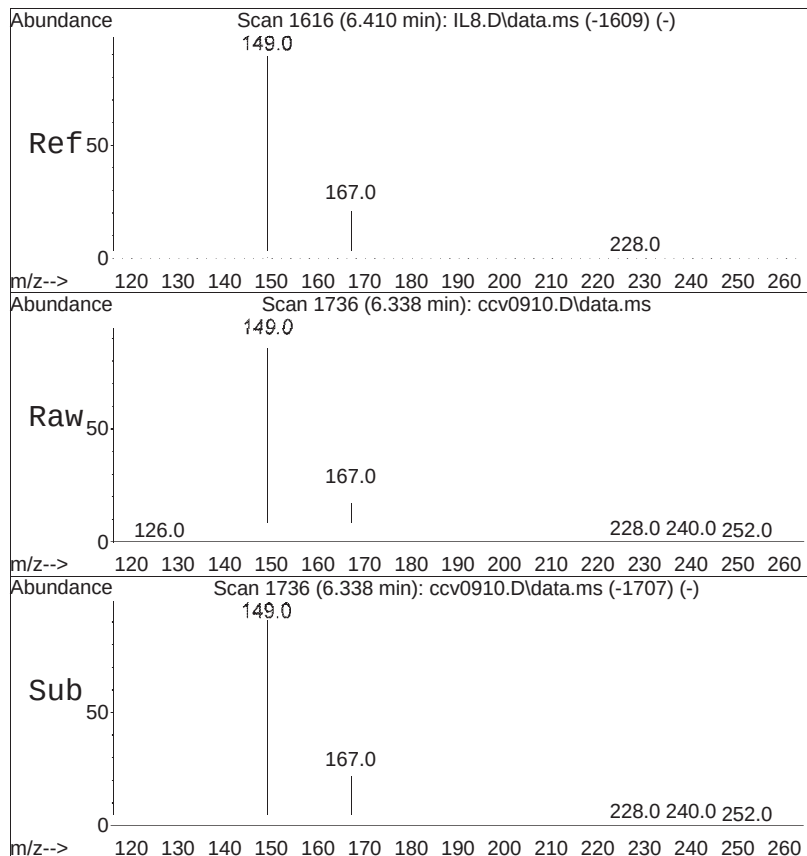




#36
 Chrysene
 Concen: 999.78 ng/ml
 RT: 6.317 min Scan# 1728
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

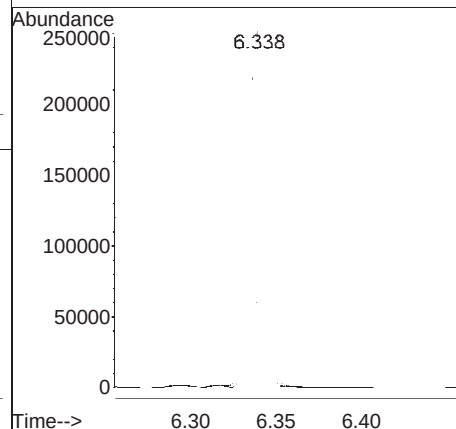
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5

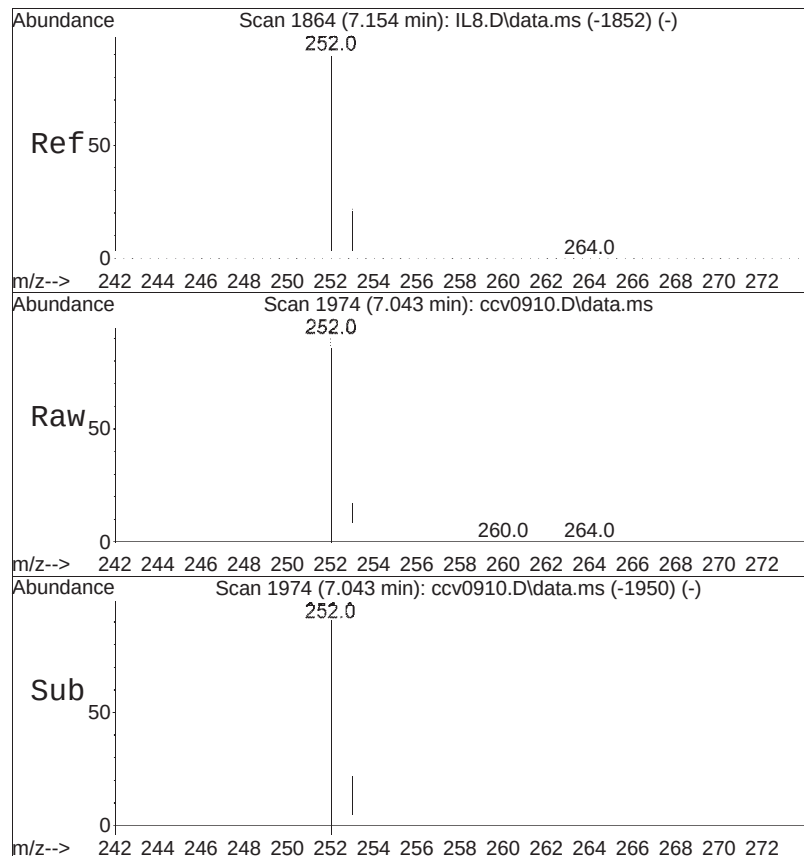




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 1085.78 ng/ml
 RT: 6.338 min Scan# 1736
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

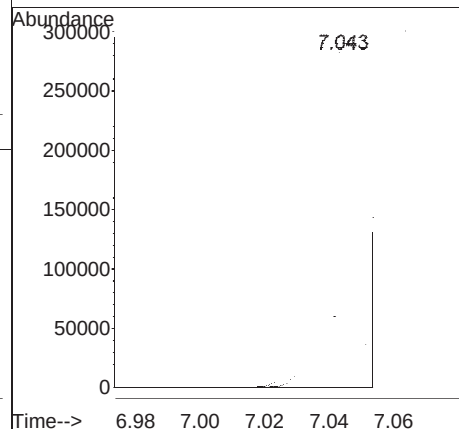
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.4	19.7	29.5

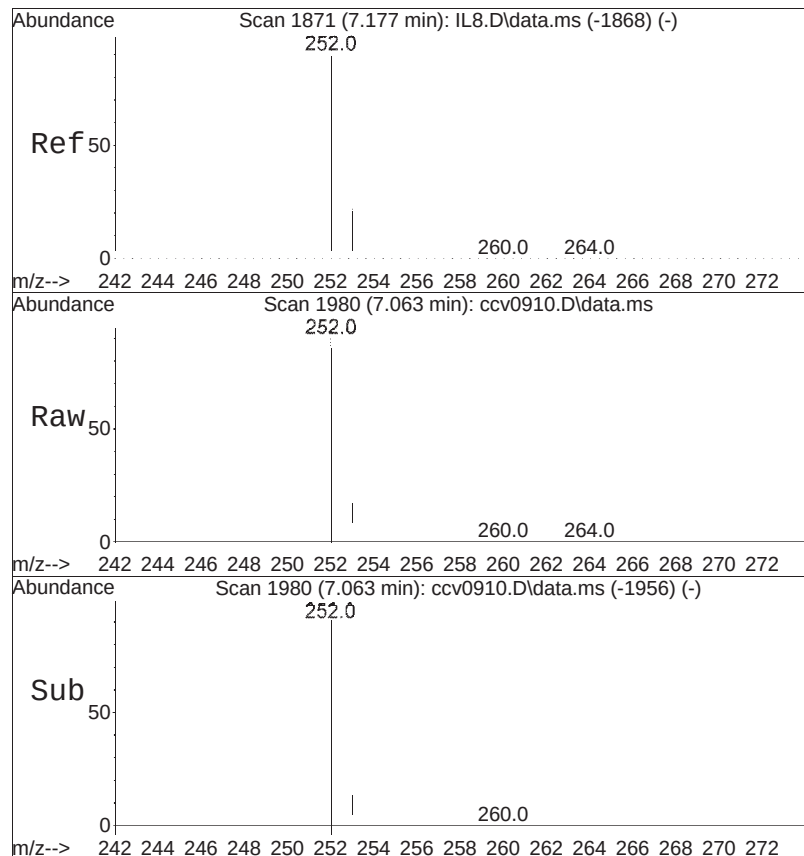




#39
 Benzo[b]fluoranthene
 Concen: 1067.69 ng/ml
 RT: 7.043 min Scan# 1974
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

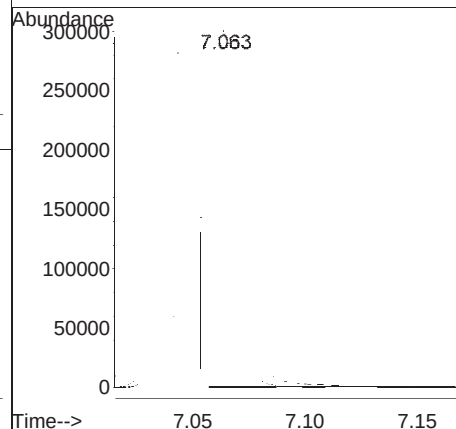
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	19.2	28.8

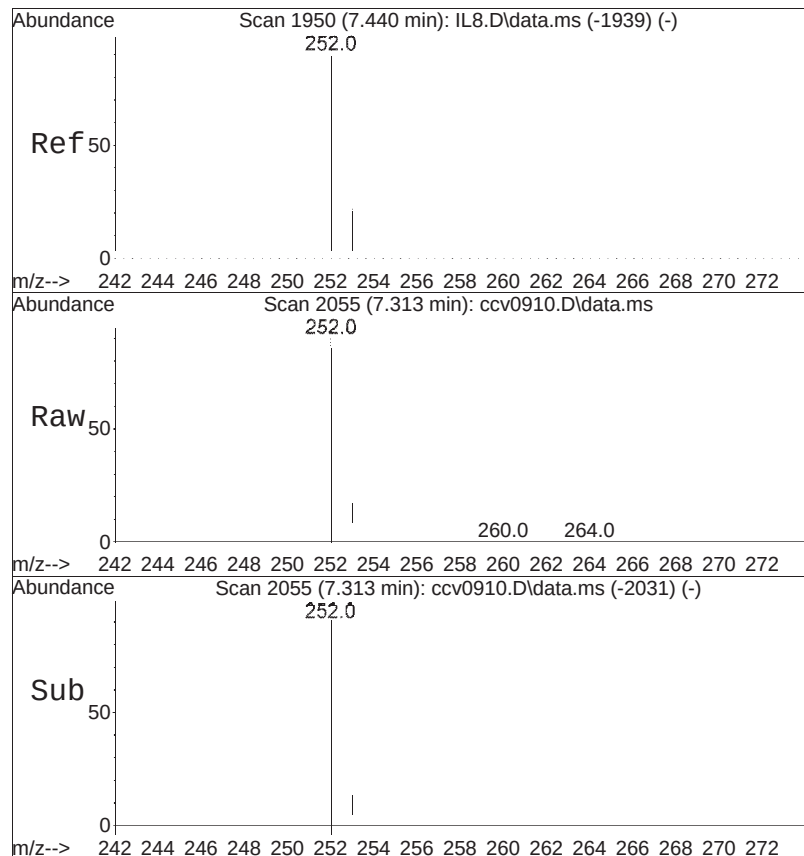




#40
 Benzo[k]fluoranthene
 Concen: 1015.30 ng/ml
 RT: 7.063 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

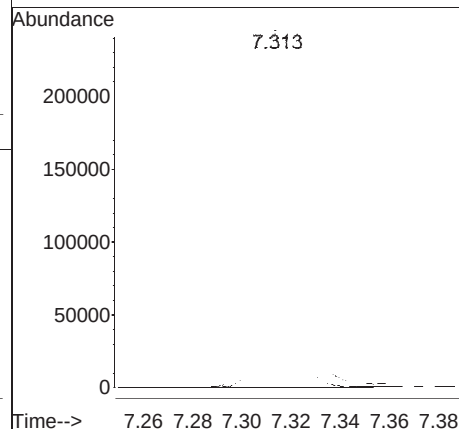
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	15.8	23.8

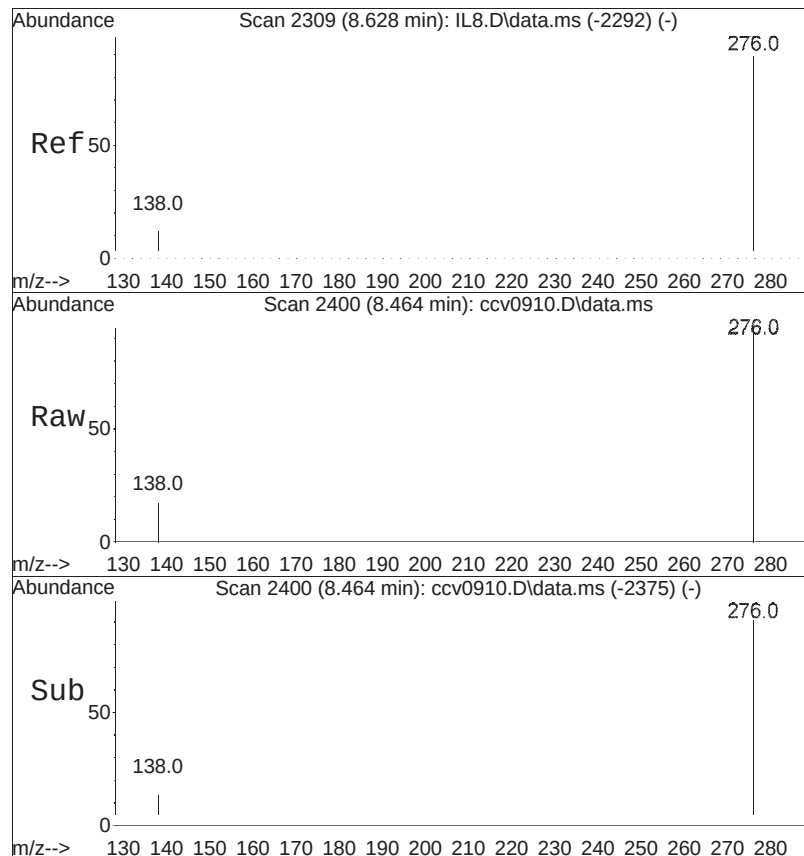




#41
 Benzo[a]pyrene
 Concen: 1096.51 ng/ml
 RT: 7.313 min Scan# 2055
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

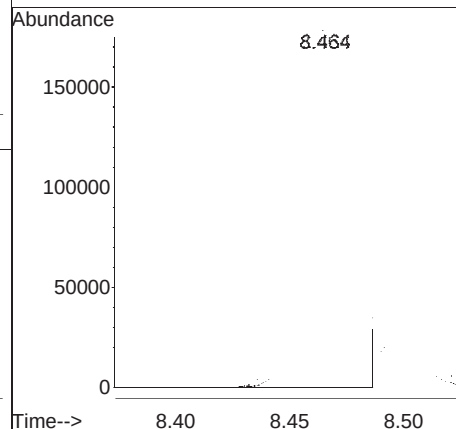
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

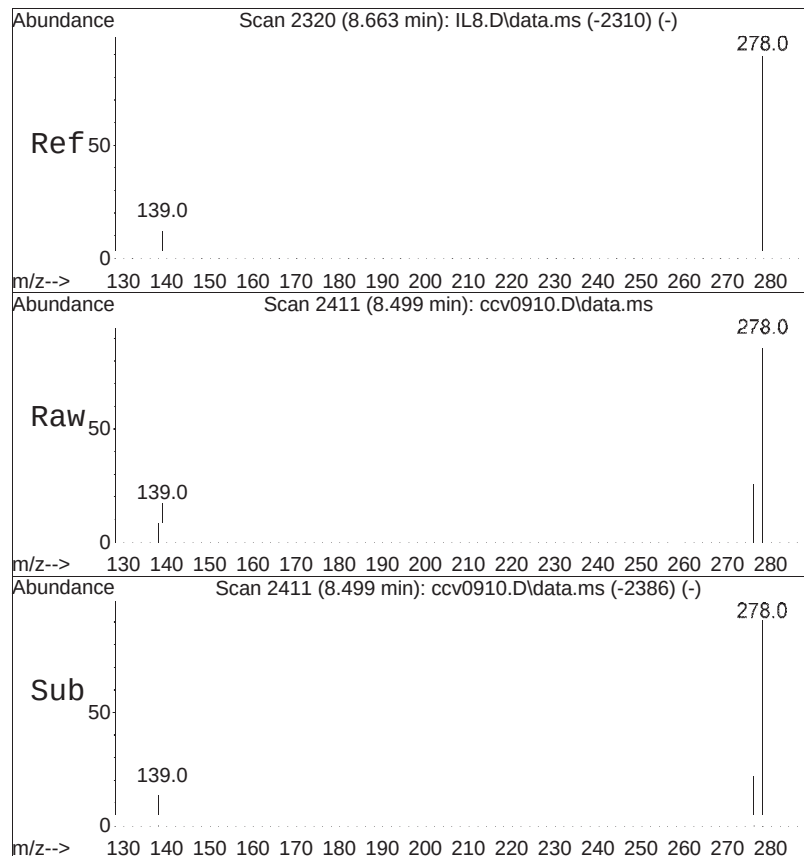




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1144.03 ng/ml
 RT: 8.464 min Scan# 2400
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

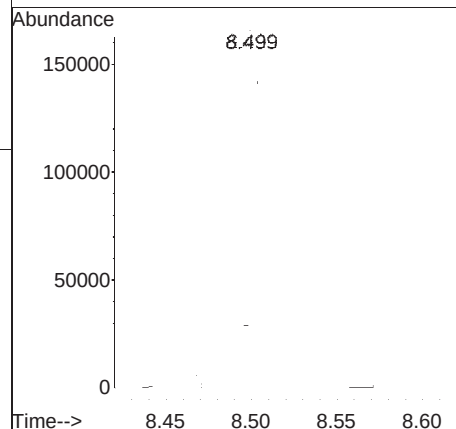
Tgt Ion:	276	Resp:	272263
Ion Ratio	Lower	Upper	
276	100		
138	20.8	15.9	23.9

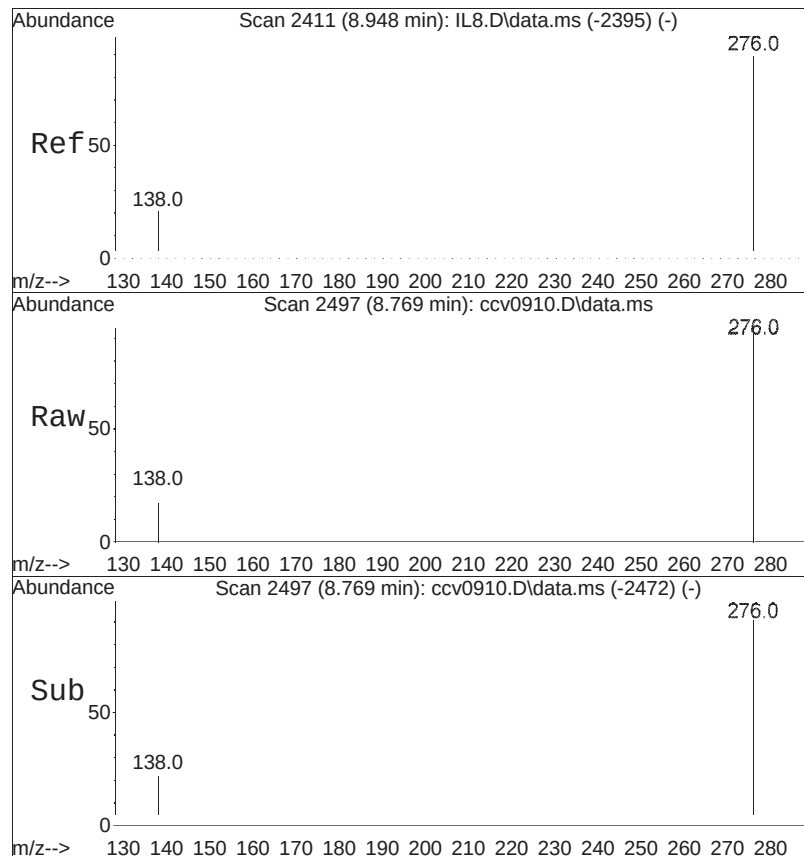




#43
 Dibenzo[a,h]anthracene
 Concen: 1088.23 ng/ml M6
 RT: 8.499 min Scan# 2411
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

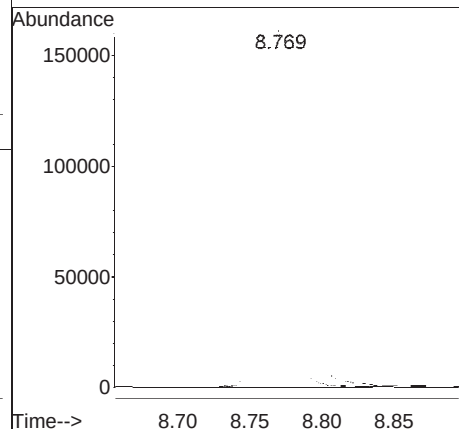
Tgt	Ion:278	Resp:	256779
Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1087.58 ng/ml
 RT: 8.769 min Scan# 2497
 Delta R.T. 0.000 min
 Lab File: ccv0910.D
 Acq: 10 Sep 2025 11:16 am

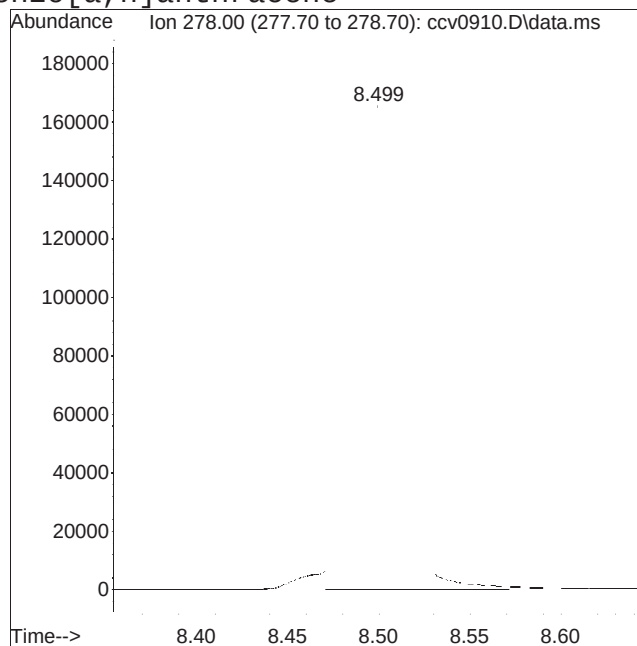
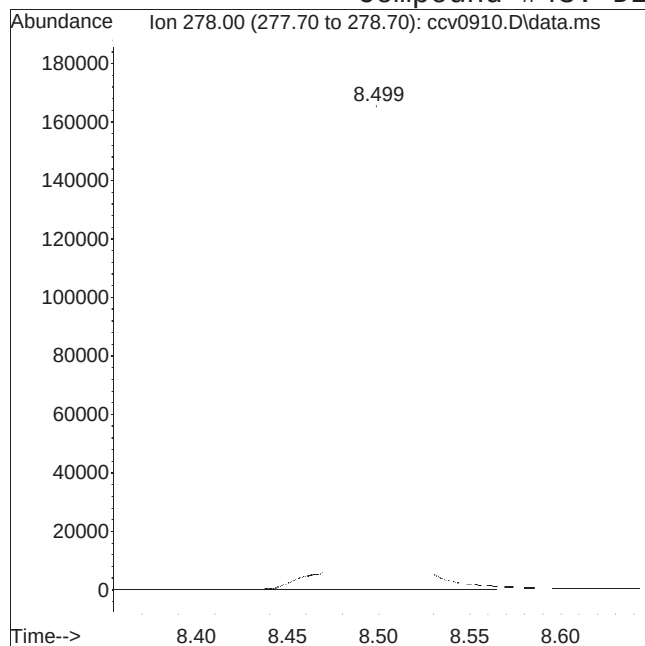
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.1	27.1



Manual Integration Report

Data Path : I:\8270SIM\SV125\250910RVTQMethod : SIM-RVT_250908_sv125.M
Data File : ccv0910.D Operator : SV125:dv
Date Inj'd : 9/10/2025 11:16 am Instrument : SV125
Sample : wg2113001-3,32,,ICV 11696 (000000) Date : 9/10/2025 11:37 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 262687

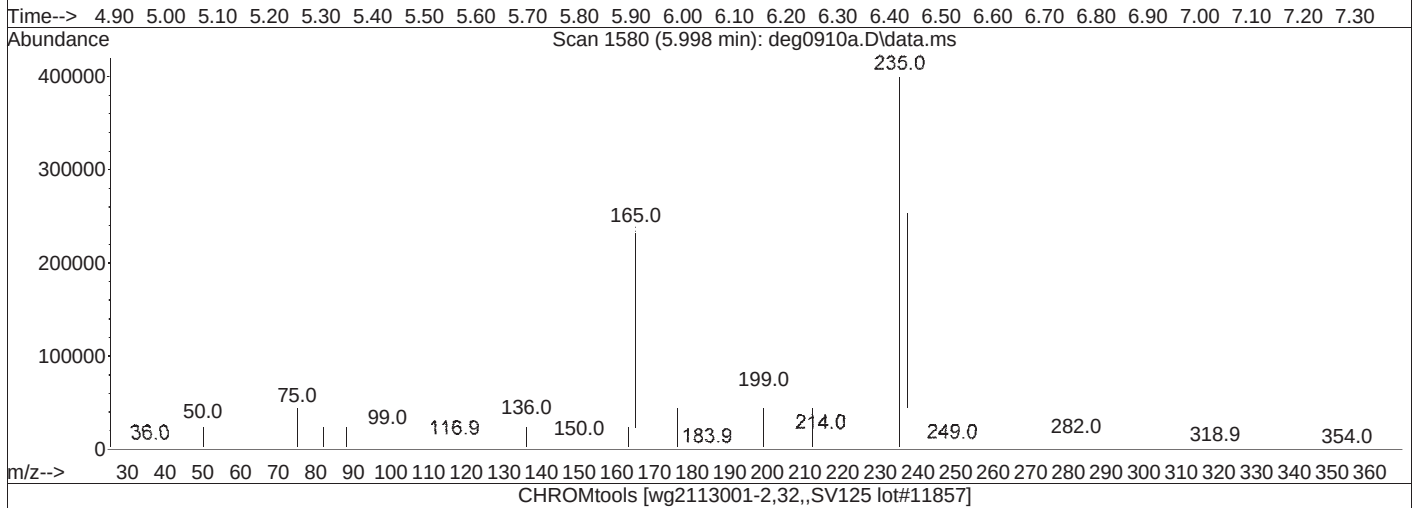
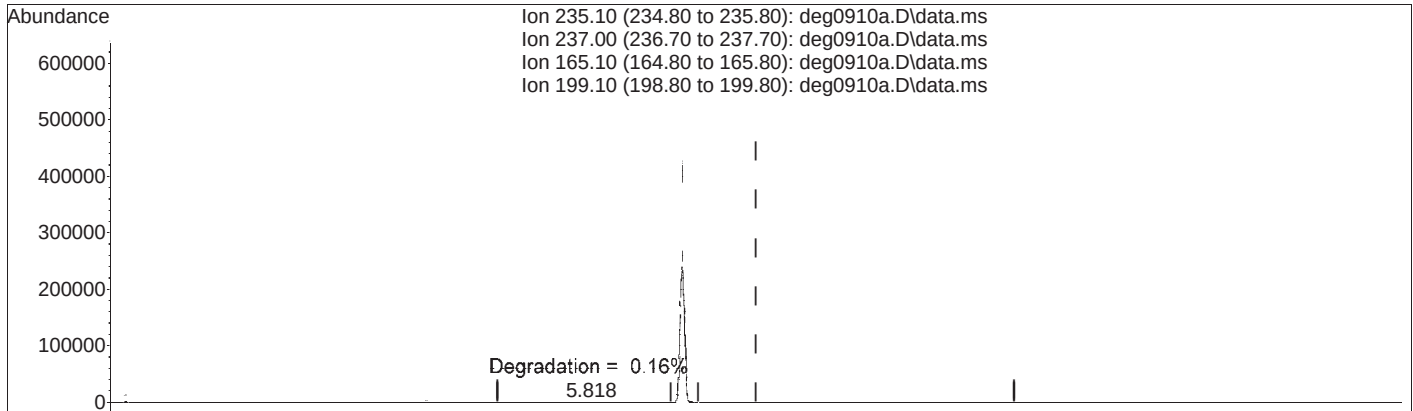
Manual Peak Response = 256779 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250910RVT\
Data File : deg0910a.D
Acq On : 10 Sep 2025 10:59 am
Operator : SV125:dv
Sample : wg2113001-2,32,,SV125 lot#11857
Misc : wg2113001,,ical22616
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 11:16:03 2025
Quant Method : I:\8270SIM\SV125\250910RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 25 10:44:55 2025
Response via : Continuing Cal File:



(6) ddt (T)

5.998min (-0.143) 36.78

response 224222

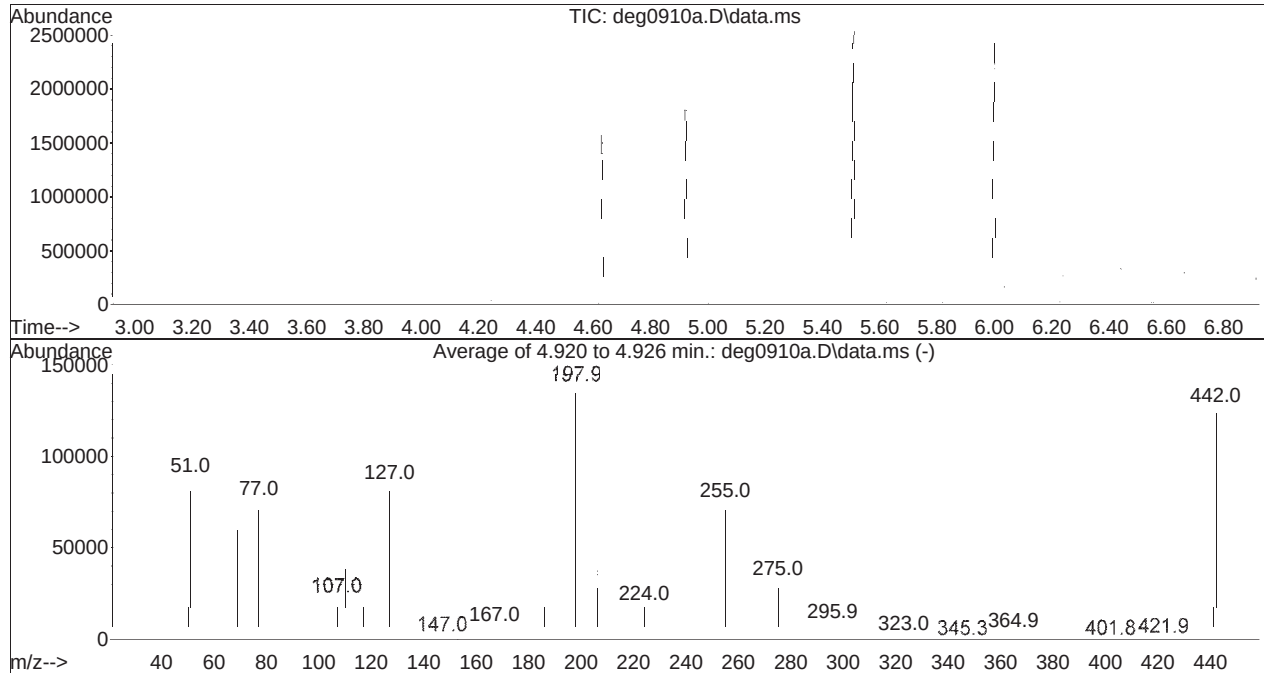
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	62.88
165.10	53.30	55.57
199.10	17.10	14.64

DFTPP

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : deg0910a.D
 Acq On : 10 Sep 2025 10:59 am
 Operator : SV125:dv
 Sample : wg2113001-1,32,,SV125 lot#11857
 Misc : wg2113001,,ical22616
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Wed Sep 10 11:36:46 2025



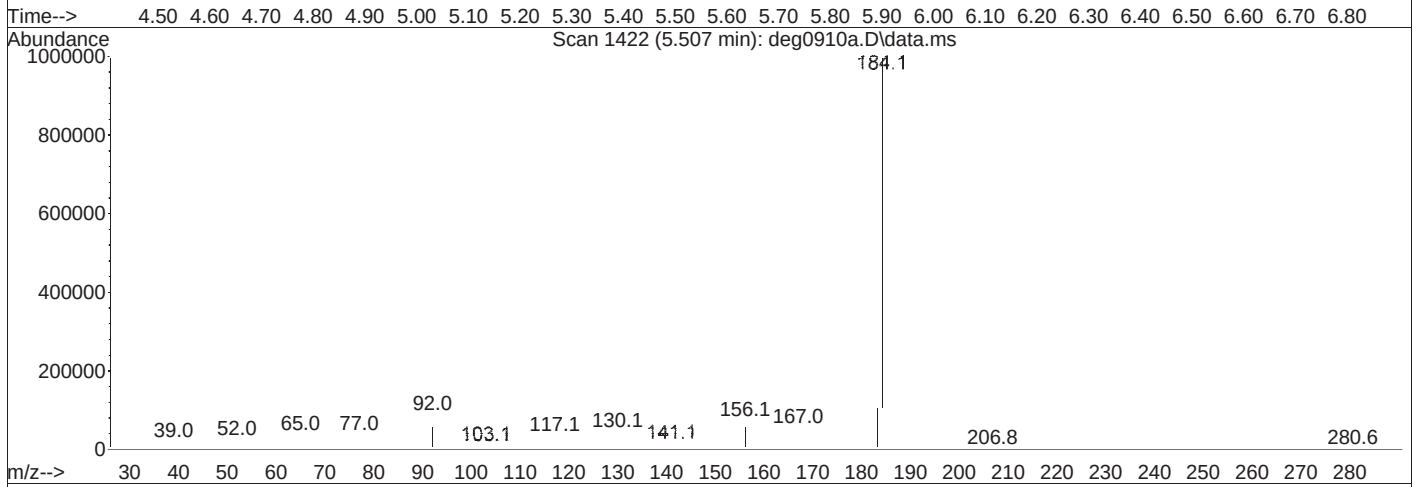
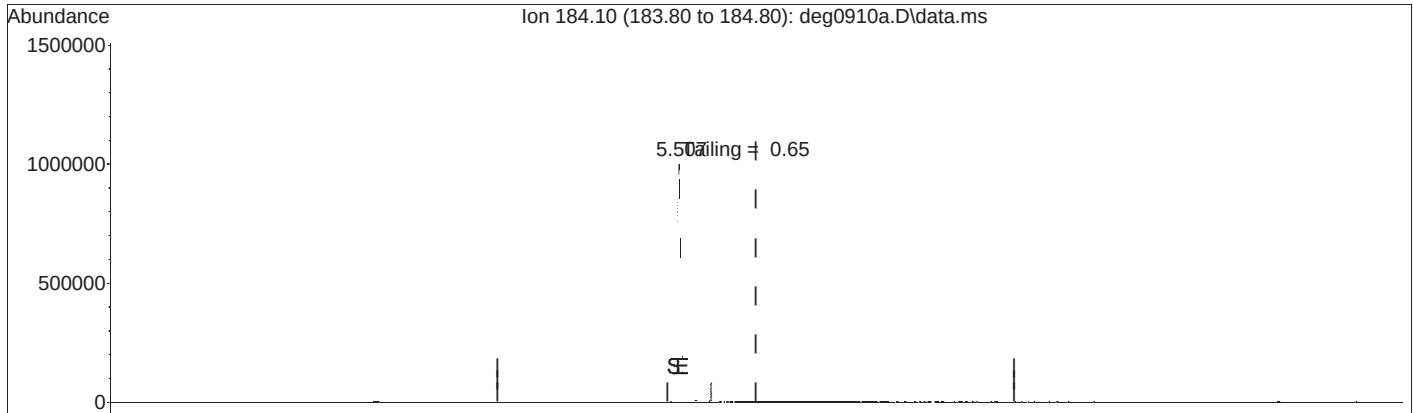
Spectrum Information: Average of 4.920 to 4.926 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	61.4	88508	PASS
68	69	0.00	2	1.1	709	PASS
69	69	100	100	100.0	67115	PASS
70	69	0.00	2	0.5	345	PASS
127	198	10	80	58.9	84907	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144093	PASS
199	198	5	9	6.5	9402	PASS
275	198	10	60	22.5	32365	PASS
365	198	1	100	2.6	3700	PASS
441	442	0.01	24	17.1	21777	PASS
442	198	50	100	88.4	127339	PASS
443	442	15	24	17.6	22470	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : deg0910a.D
 Acq On : 10 Sep 2025 10:59 am
 Operator : SV125:dv
 Sample : wg2113001-4,32,,SV125 lot#11857
 Misc : wg2113001,,ical22616
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 11:16:03 2025
 Quant Method : I:\8270SIM\SV125\250910RVT\dftppsv125.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Aug 25 10:44:55 2025
 Response via : Continuing Cal File:



CHROMtools [wg2113001-4,32,,SV125 lot#11857]

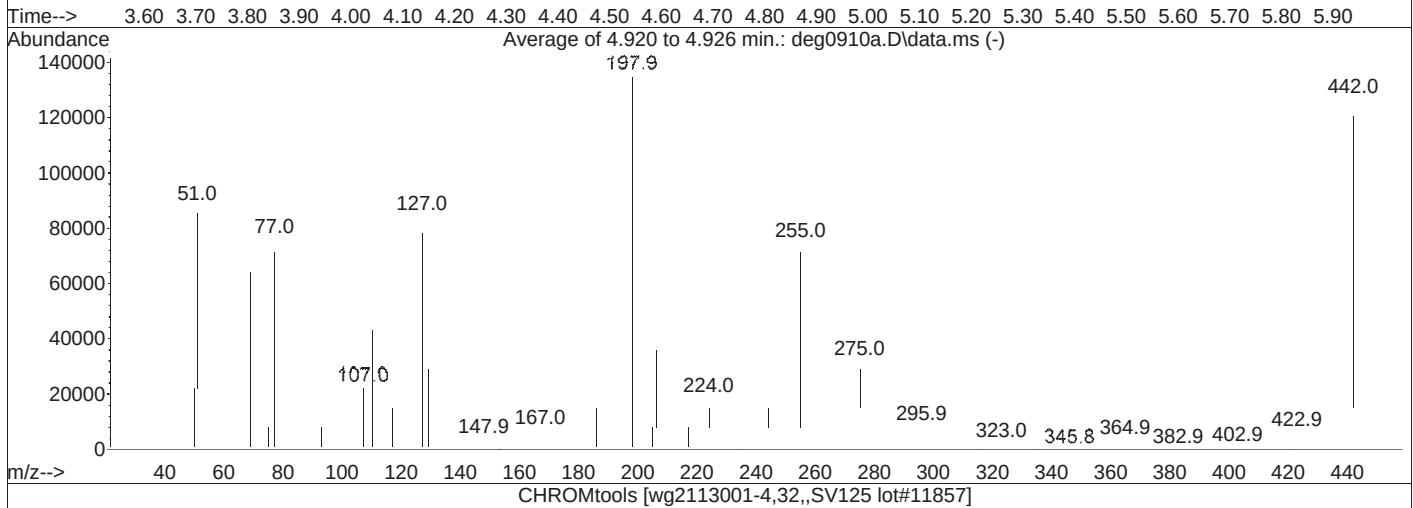
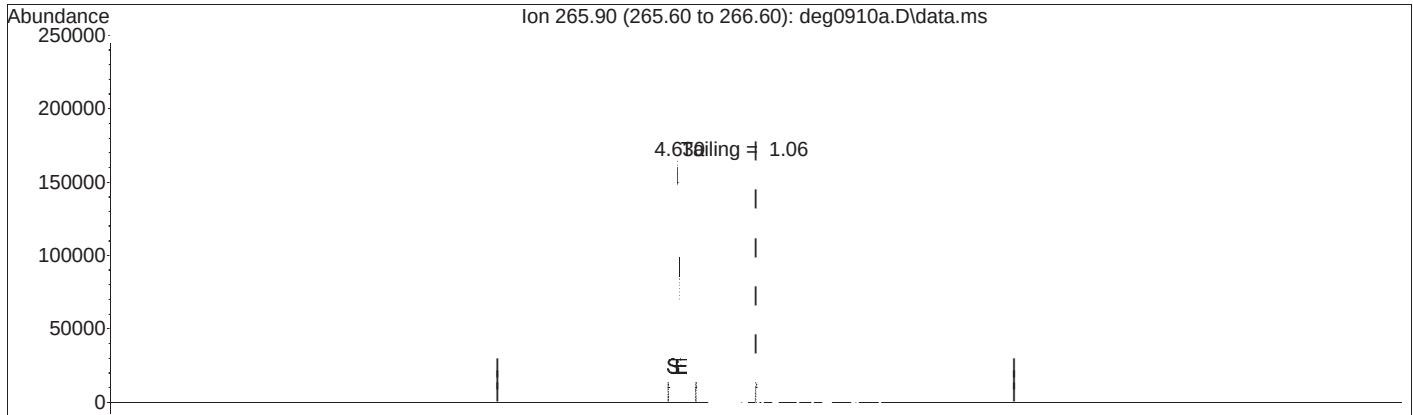
(3) benzidine (T)
 5.507min (-0.149) 54.29
 response 552669

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\250910RVT\
Data File : deg0910a.D
Acq On : 10 Sep 2025 10:59 am
Operator : SV125:dv
Sample : wg2113001-5,32,,SV125 lot#11857
Misc : wg2113001,,ical22616
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 11:16:03 2025
Quant Method : I:\8270SIM\SV125\250910RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 25 10:44:55 2025
Response via : Continuing Cal File:



(1) pentachlorophenol (T)

4.630min (-0.153) 37.88

response 79560

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 111706-1.D
 Acq On : 10 Sep 2025 01:57 pm
 Operator : SV125:dv
 Sample : WG2111706-1,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 21:15:31 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.310	152	205413	4000.000	ng/ml	0.00
Standard Area 1 = 224293			Recovery	=	91.58%	
9) Naphthalene-d8	2.964	136	802325	4000.000	ng/ml	0.00
Standard Area 1 = 856626			Recovery	=	93.66%	
18) Acenaphthene-d10	3.932	164	463223	4000.000	ng/ml	0.00
Standard Area 1 = 485847			Recovery	=	95.34%	
23) Phenanthrene-d10	4.764	188	932001	4000.000	ng/ml	0.00
Standard Area 1 = 985427			Recovery	=	94.58%	
33) Chrysene-d12	6.302	240	851092	4000.000	ng/ml	0.00
Standard Area 1 = 873687			Recovery	=	97.41%	
38) Perylene-d12	7.371	264	813086	4000.000	ng/ml	0.00
Standard Area 1 = 895700			Recovery	=	90.78%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	51881	1022.806	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	51.14%	
4) Phenol-d6	2.139	99	44398	708.487	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	35.42%	
8) Nitrobenzene-d5	2.588	82	39182	782.990	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	78.30%	
14) 2-Fluorobiphenyl	3.560	172	115898	707.828	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	70.78%	
22) 2,4,6-Tribromophenol	4.375	330	34764	2018.595	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	100.93%	
32) 4-Terphenyl-d14	5.684	244	176180	943.259	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	94.33%	
Target Compounds						
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	Qvalue
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	4.551	284	99M4	1.956	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 111706-1.D
 Acq On : 10 Sep 2025 01:57 pm
 Operator : SV125:dv
 Sample : WG2111706-1,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 21:15:31 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	4.666	266	128	60.681	ng/ml	98
27)	Phenanthrene	4.776	178	856M6	3.216	ng/ml	
28)	Anthracene	0.000		0	N.D.	d	
29)	Fluoranthene	5.453	202	1181	4.102	ng/ml#	91
30)	Pyrene	5.580	202	1228	4.156	ng/ml	94
34)	Benzo[a]anthracene	6.297	226	596	5.264	ng/ml#	1
36)	Chrysene	6.316	228	1031M6	3.815	ng/ml	
39)	Benzo[b]fluoranthene	7.041	252	1027	3.993	ng/ml	96
40)	Benzo[k]fluoranthene	7.061	252	1050	4.029	ng/ml	95
41)	Benzo[a]pyrene	7.314	252	822	3.615	ng/ml	96
42)	Indeno[1,2,3-cd]pyrene	8.459	276	787	3.643	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.497	278	751	3.506	ng/ml	93
44)	Benzo[g,h,i]perylene	8.767	276	821	3.686	ng/ml	95

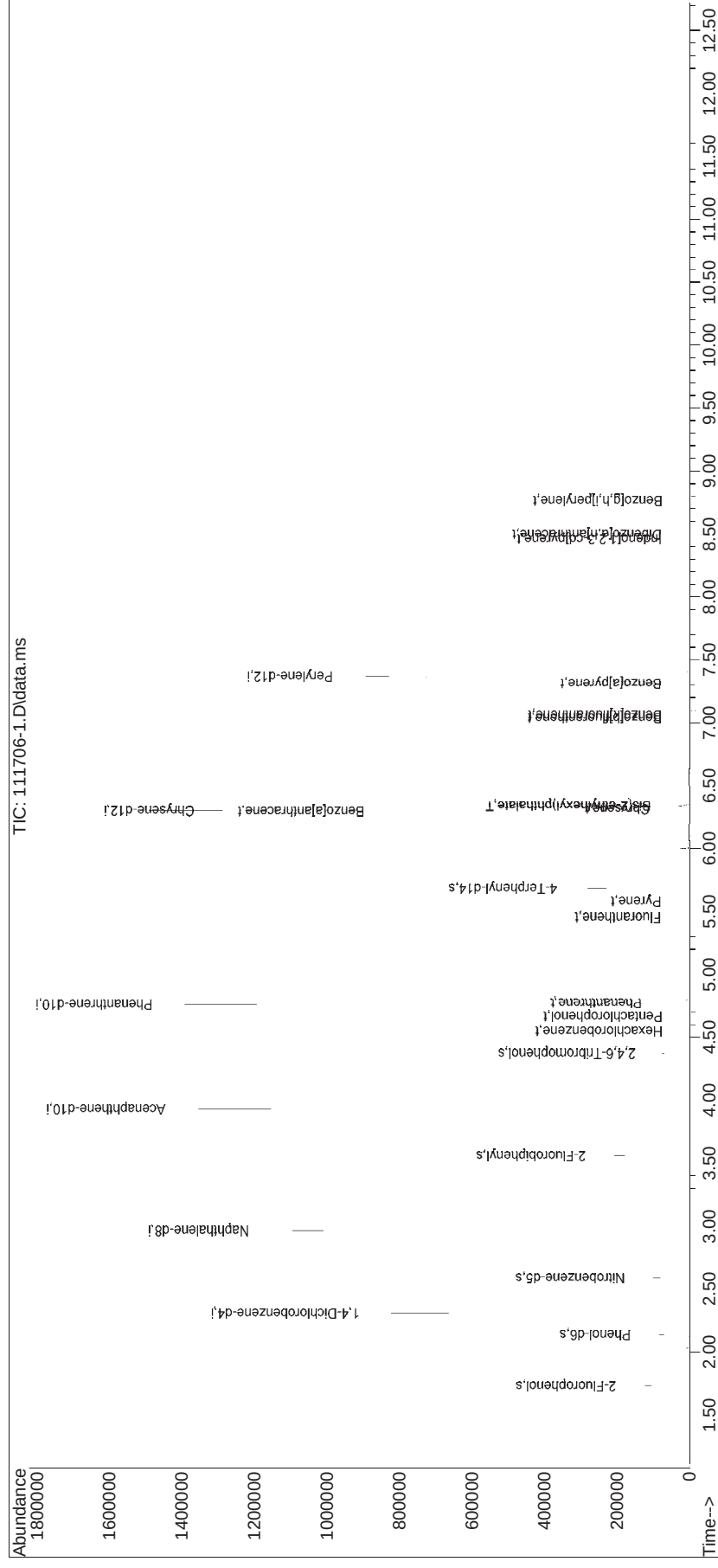
(#) = qualifier out of range (m) = manual integration (+) = signals summed

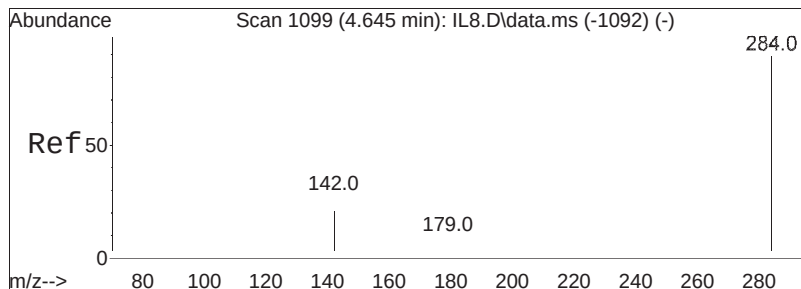
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 111706-1.D
 Acq On : 10 Sep 2025 01:57 pm
 Operator : SV125:dv
 Sample : WG2111706-1,32,,csn
 Misc : wg21113001,WG2111706,ical22616
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 21:15:31 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

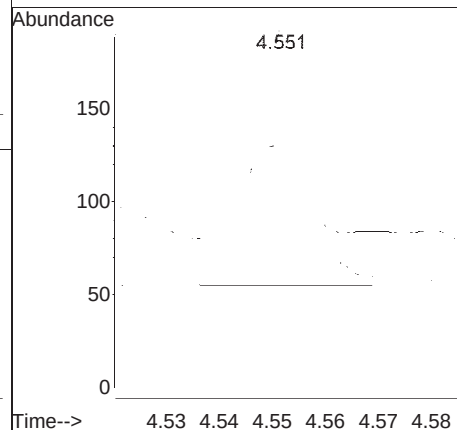
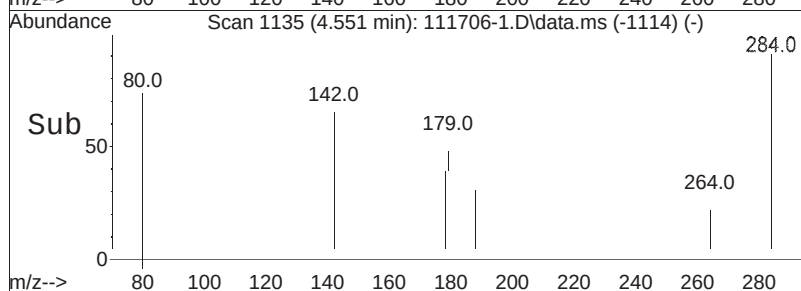
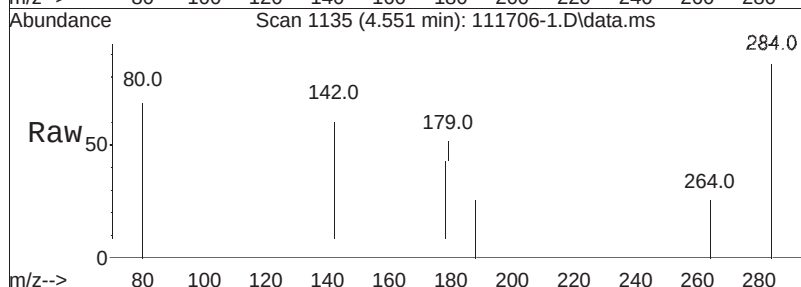
Sub List : DEFAULT - All compounds listed\ccv0910.D•

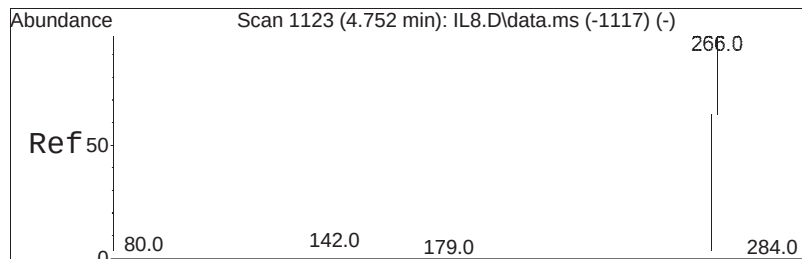




#25
 Hexachlorobenzene
 Concen: 1.96 ng/ml M4
 RT: 4.551 min Scan# 1135
 Delta R.T. -0.001 min
 Lab File: 111706-1.D
 Acq: 10 Sep 2025 01:57 pm

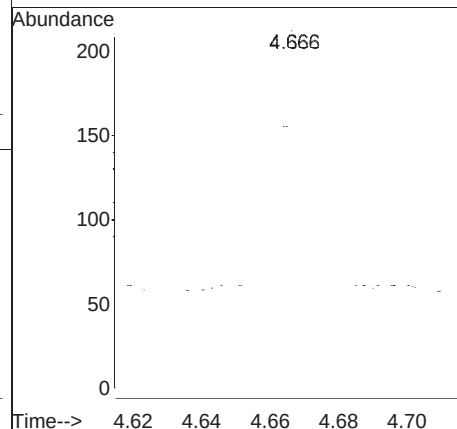
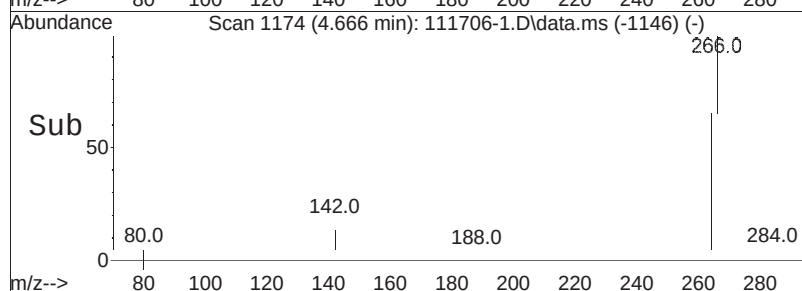
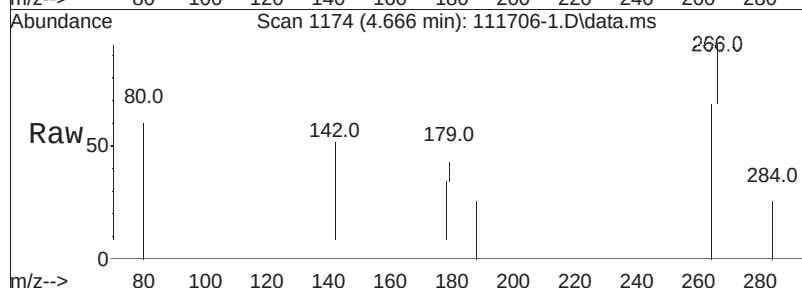
Tgt Ion: 284 Resp: 99
 Ion Ratio Lower Upper
 284 100
 142 40.4 29.4 44.2

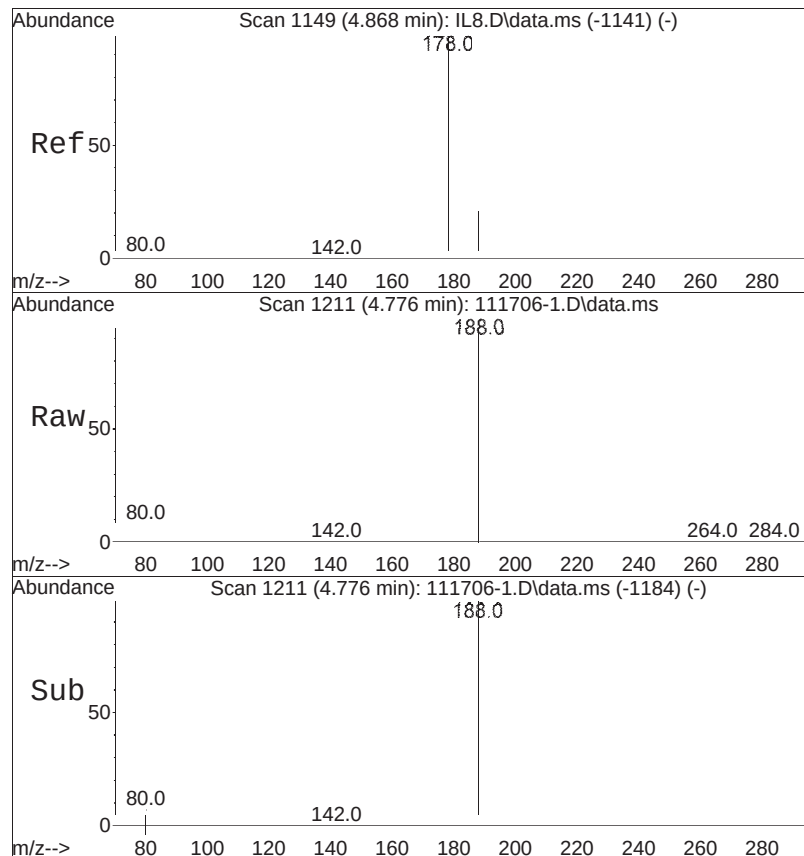




#26
 Pentachlorophenol
 Concen: 60.68 ng/ml
 RT: 4.666 min Scan# 1174
 Delta R.T. 0.002 min
 Lab File: 111706-1.D
 Acq: 10 Sep 2025 01:57 pm

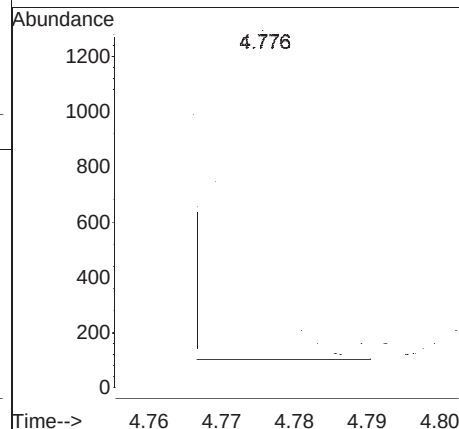
Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.1	49.9	74.9

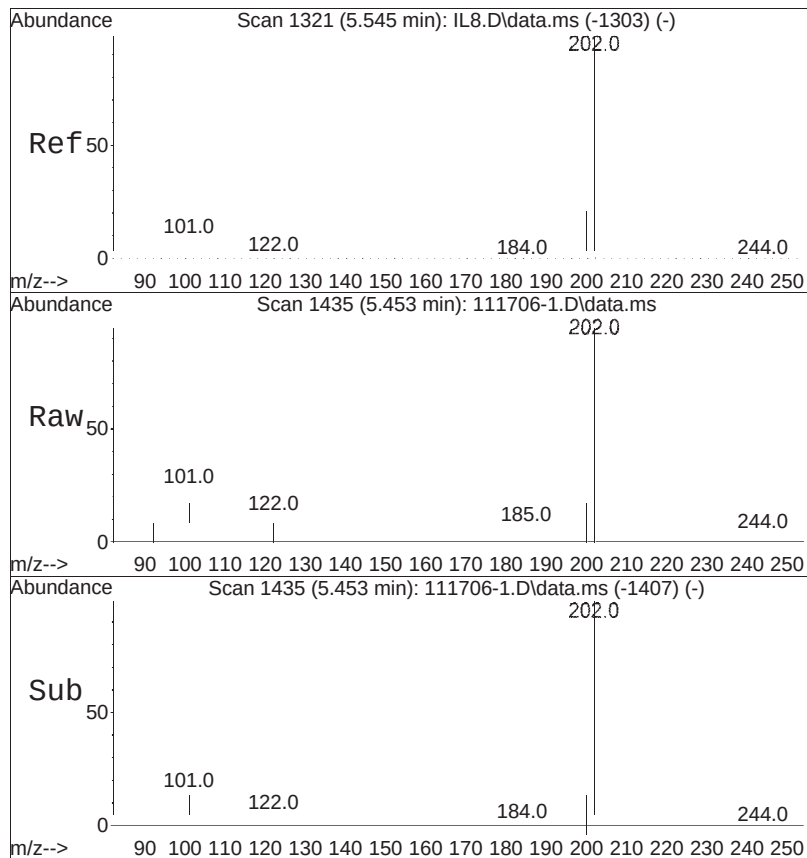




#27
 Phenanthrene
 Concen: 3.22 ng/ml M6
 RT: 4.776 min Scan# 1211
 Delta R.T. -0.001 min
 Lab File: 111706-1.D
 Acq: 10 Sep 2025 01:57 pm

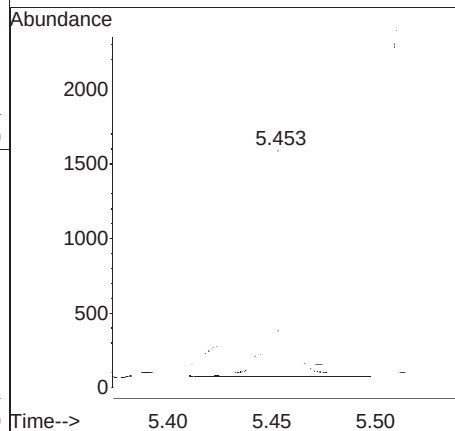
Tgt Ion	Ratio	Lower	Upper
178	100		
179	7.2	12.5	18.7#

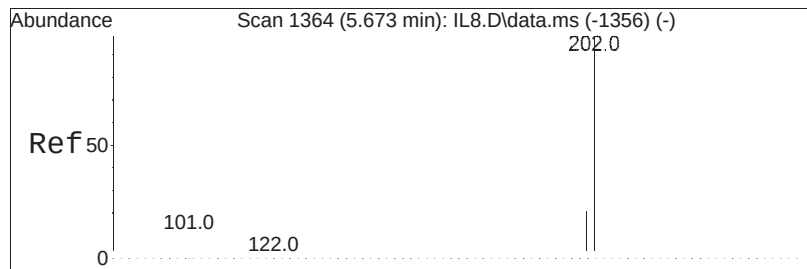




#29
 Fluoranthene
 Concen: 4.10 ng/ml
 RT: 5.453 min Scan# 1435
 Delta R.T. 0.002 min
 Lab File: 111706-1.D
 Acq: 10 Sep 2025 01:57 pm

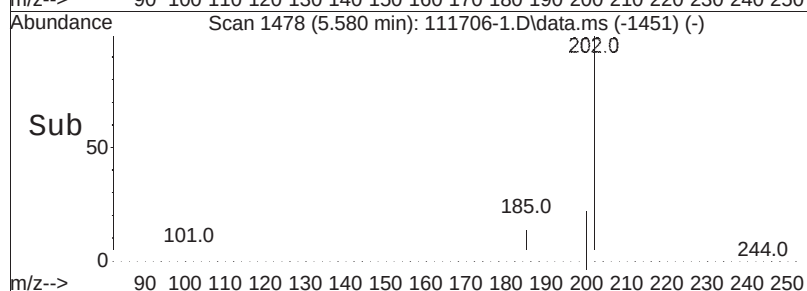
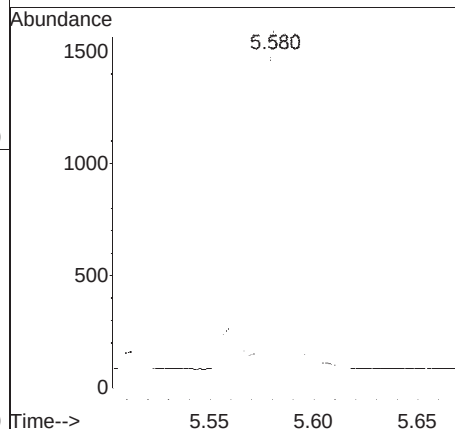
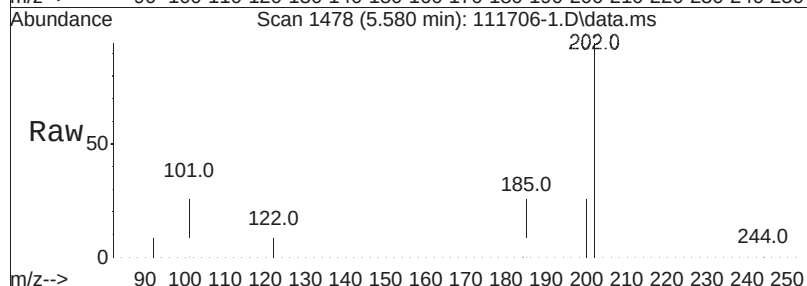
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1181		
101	13.7	8.3	12.5#	

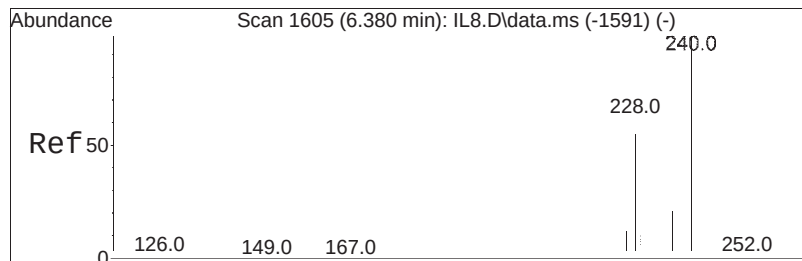




#30
 Pyrene
 Concen: 4.16 ng/ml
 RT: 5.580 min Scan# 1478
 Delta R.T. -0.001 min
 Lab File: 111706-1.D
 Acq: 10 Sep 2025 01:57 pm

Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.4	16.8	25.2





#34

Benzo[a]anthracene

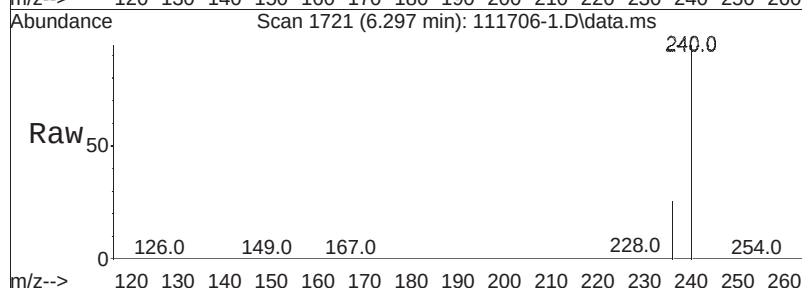
Concen: 5.26 ng/ml

RT: 6.297 min Scan# 1721

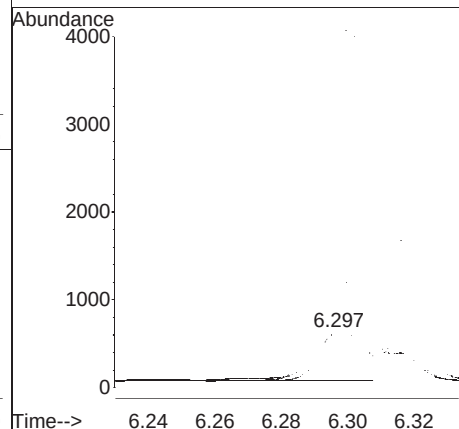
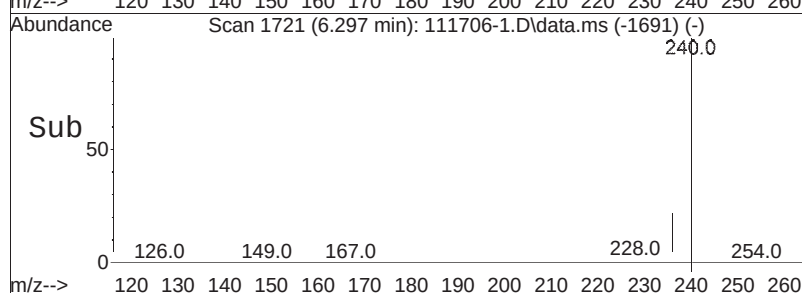
Delta R.T. 0.002 min

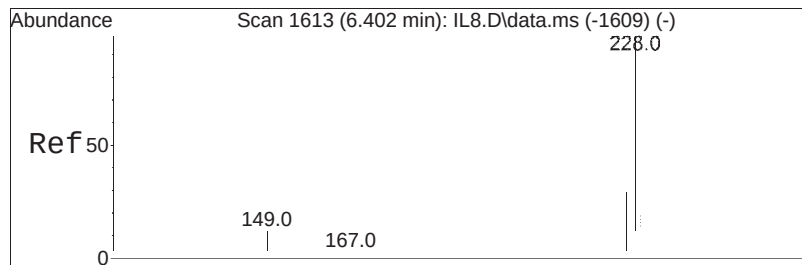
Lab File: 111706-1.D

Acq: 10 Sep 2025 01:57 pm



Tgt Ion:	226	Resp:	596
Ion Ratio	Lower	Upper	
226	100		
229	202.2	56.4	84.6#
228	641.4	287.5	431.3#
229	202.2	56.4	84.6#





#36

Chrysene

Concen: 3.81 ng/ml M6

RT: 6.316 min Scan# 1728

Delta R.T. -0.001 min

Lab File: 111706-1.D

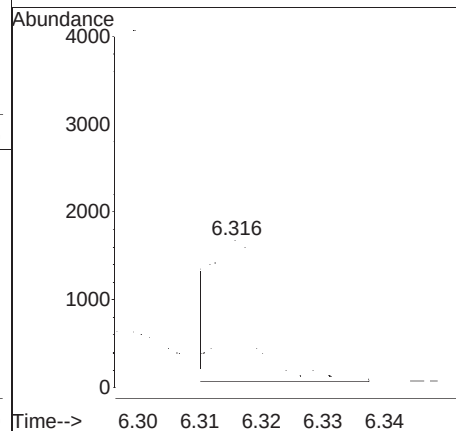
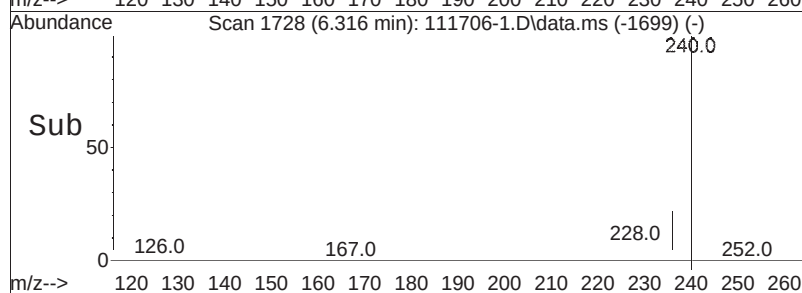
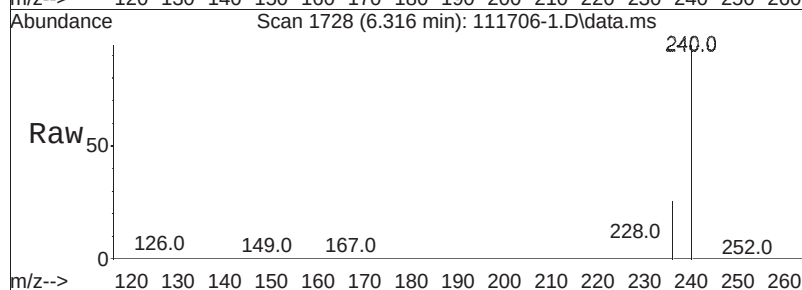
Acq: 10 Sep 2025 01:57 pm

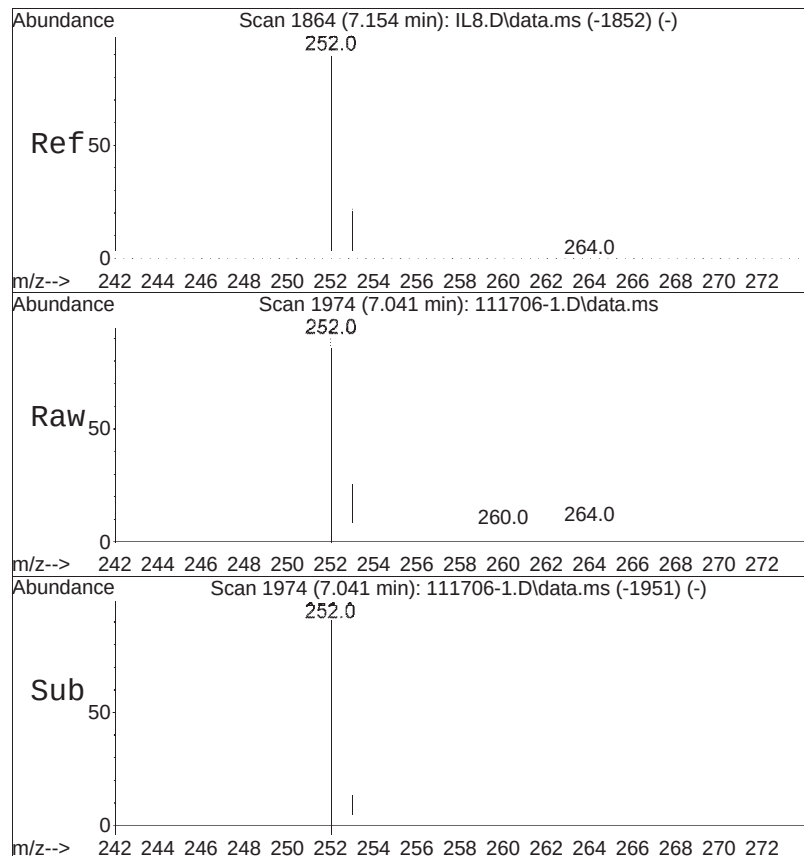
Tgt Ion: 228 Resp: 1031

Ion Ratio Lower Upper

228 100

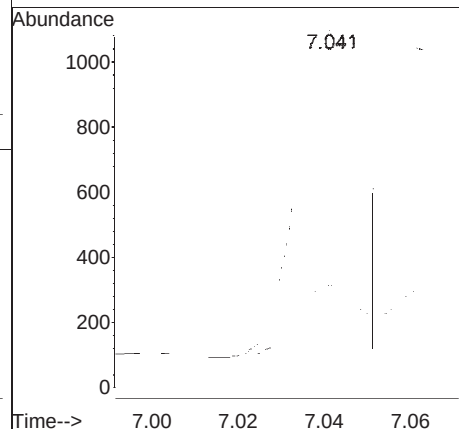
226 34.8 24.3 36.5

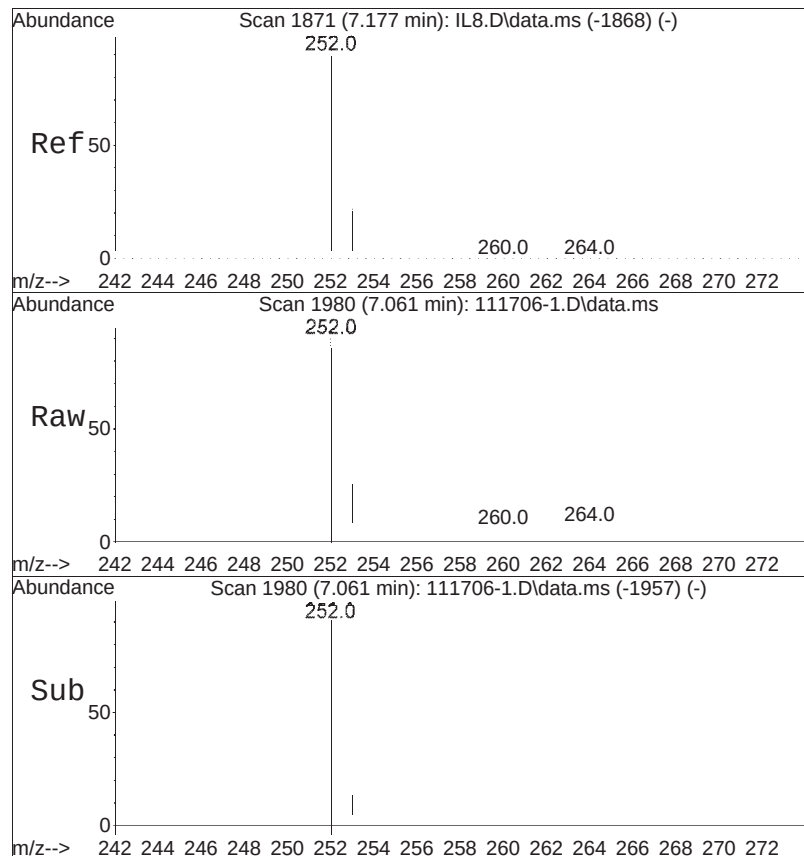




#39
 Benzo[b]fluoranthene
 Concen: 3.99 ng/ml
 RT: 7.041 min Scan# 1974
 Delta R.T. -0.002 min
 Lab File: 111706-1.D
 Acq: 10 Sep 2025 01:57 pm

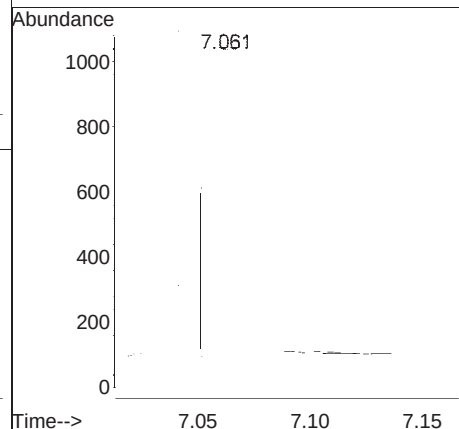
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.9	19.2	28.8	

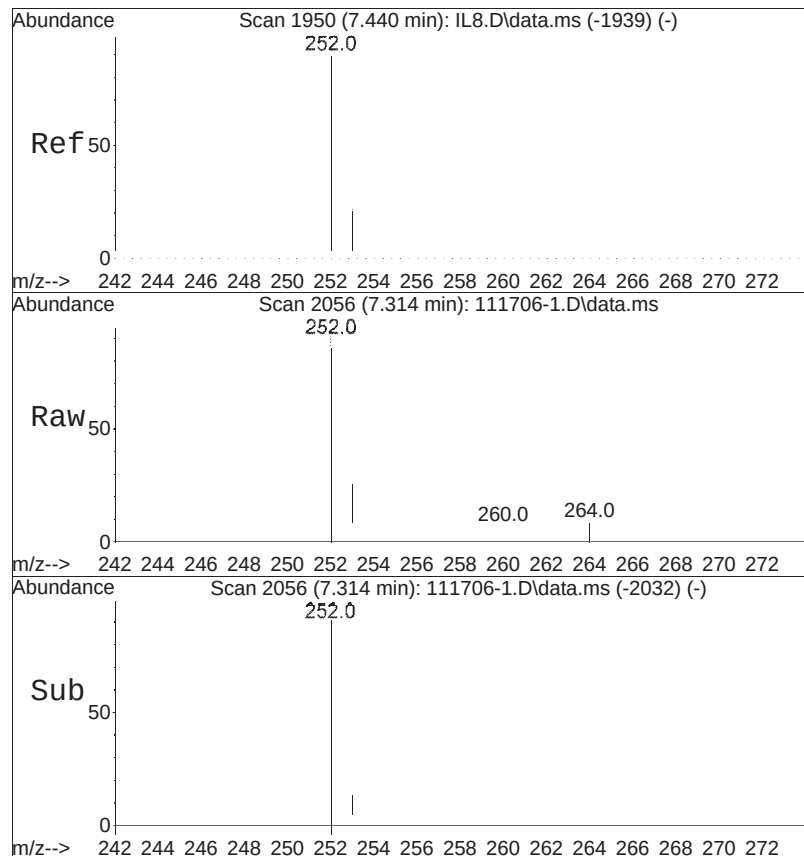




#40
 Benzo[k]fluoranthene
 Concen: 4.03 ng/ml
 RT: 7.061 min Scan# 1980
 Delta R.T. -0.002 min
 Lab File: 111706-1.D
 Acq: 10 Sep 2025 01:57 pm

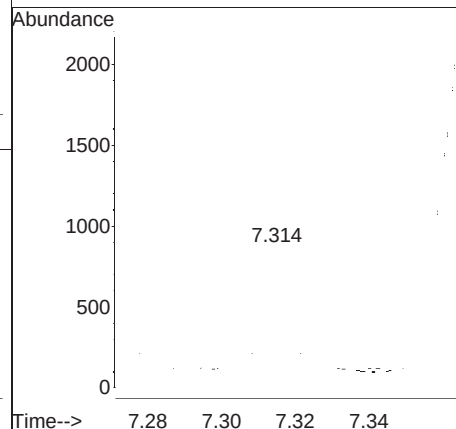
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	15.8	23.8

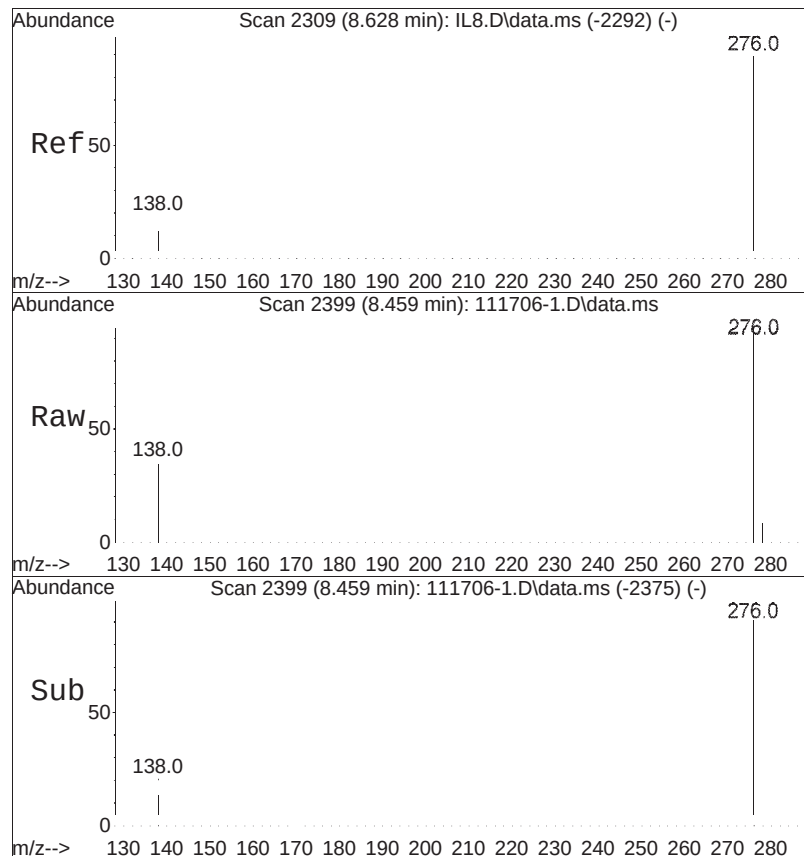




#41
Benzo[a]pyrene
Concen: 3.62 ng/ml
RT: 7.314 min Scan# 2056
Delta R.T. 0.001 min
Lab File: 111706-1.D
Acq: 10 Sep 2025 01:57 pm

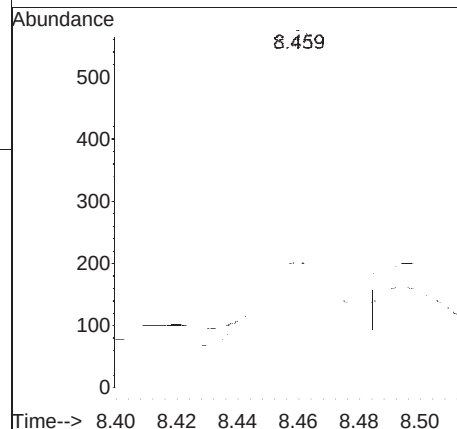
Tgt	Ion	Ratio	Lower	Upper
252	822	100		
253		23.6	17.4	26.0

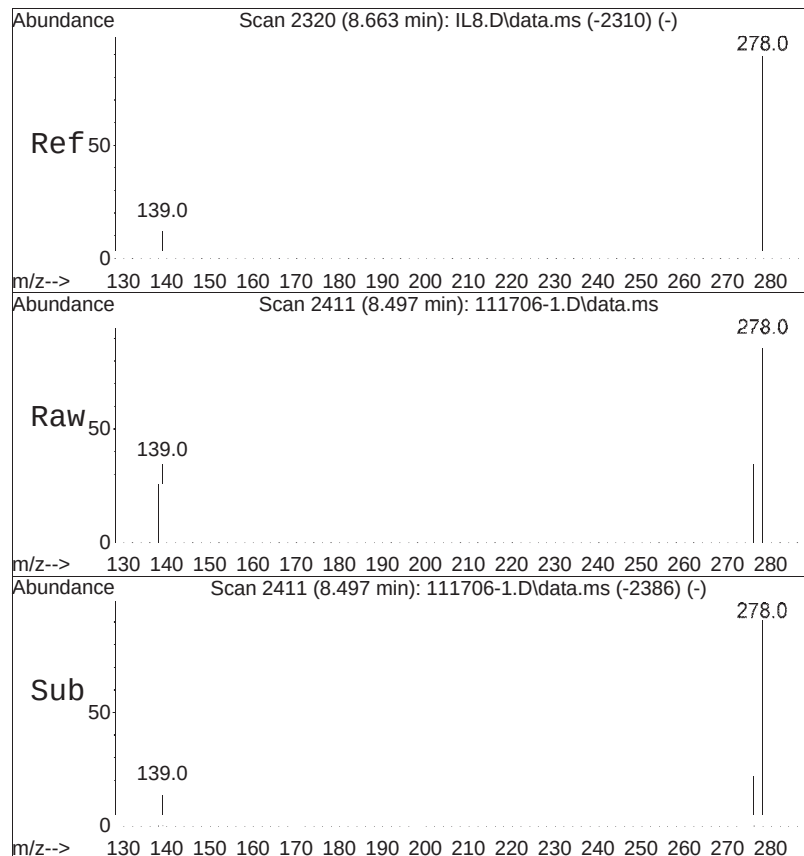




#42
Indeno[1,2,3-cd]pyrene
Concen: 3.64 ng/ml
RT: 8.459 min Scan# 2399
Delta R.T. -0.005 min
Lab File: 111706-1.D
Acq: 10 Sep 2025 01:57 pm

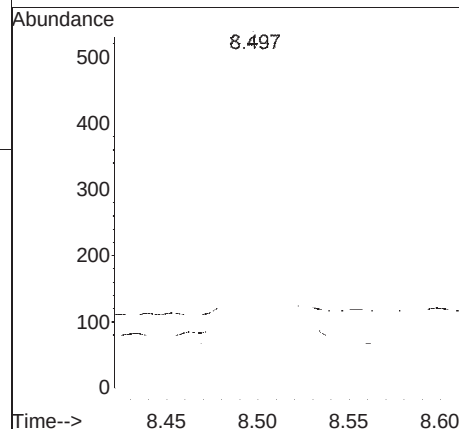
Tgt Ion:	276	Resp:	787
Ion Ratio	Lower	Upper	
276	100		
138	20.6	15.9	23.9

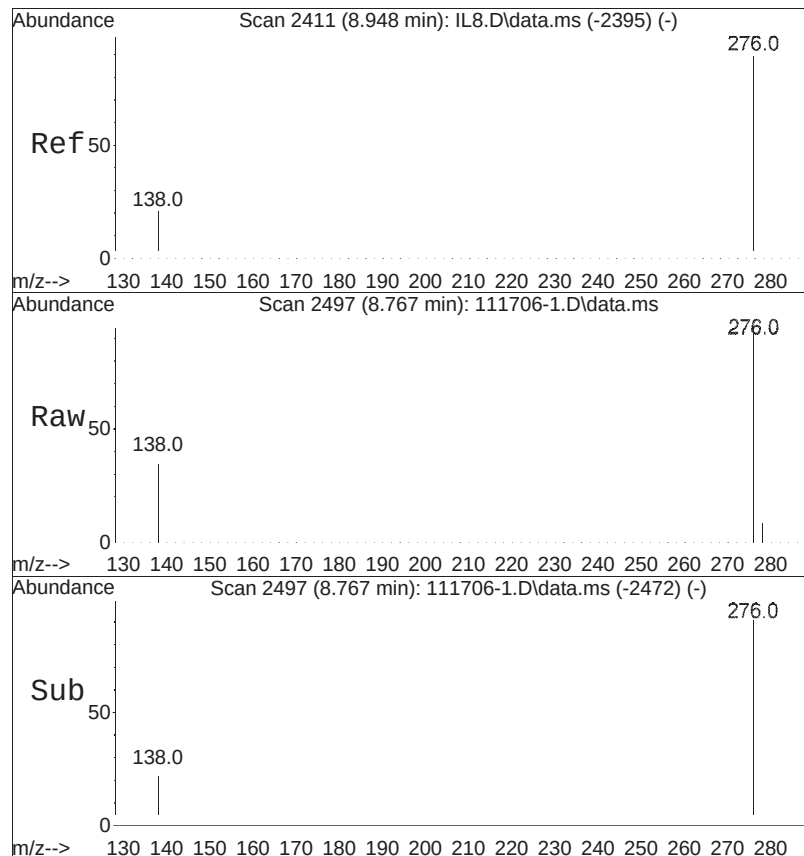




#43
 Dibenzo[a,h]anthracene
 Concen: 3.51 ng/ml
 RT: 8.497 min Scan# 2411
 Delta R.T. -0.002 min
 Lab File: 111706-1.D
 Acq: 10 Sep 2025 01:57 pm

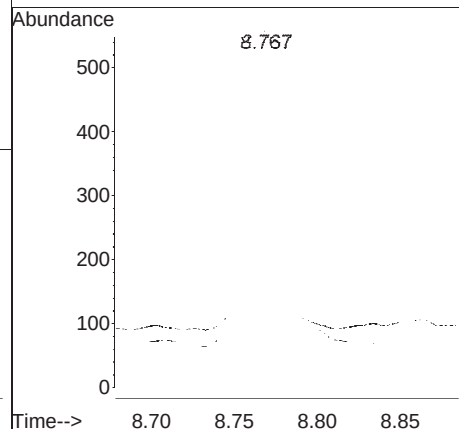
Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 3.69 ng/ml
 RT: 8.767 min Scan# 2497
 Delta R.T. -0.002 min
 Lab File: 111706-1.D
 Acq: 10 Sep 2025 01:57 pm

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	18.1	27.1

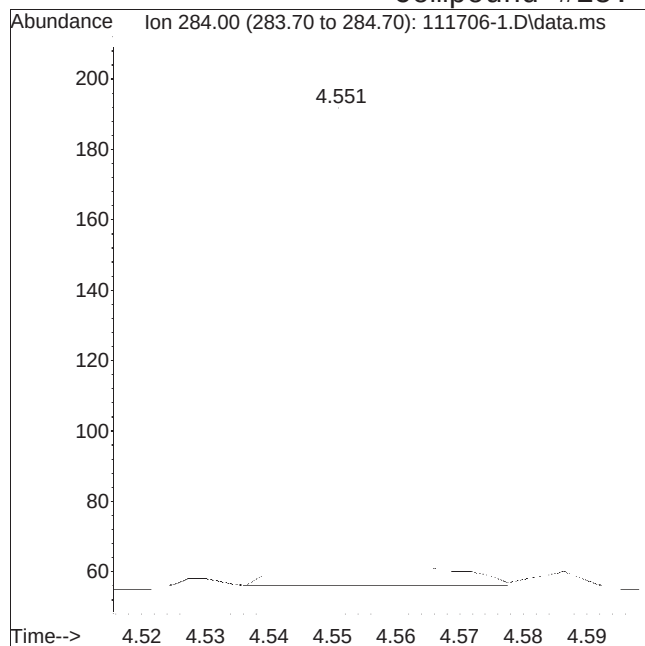


Manual Integration Report

Data Path : I:\8270SIM\SV125\250910RVTQ
Data File : 111706-1.D
Date Inj'd : 9/10/2025 1:57 pm
Sample : WG2111706-1,32,,csn

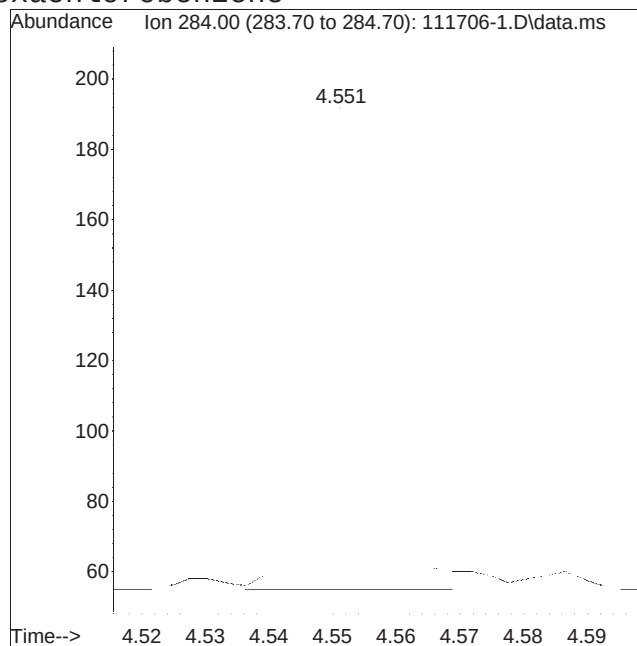
Method : SIM-RVT_250908_sv125.M
Operator : SV125:dv
Instrument : SV125
Quant Date : 9/10/2025 2:13 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 98

M4 = Poor automated baseline construction.

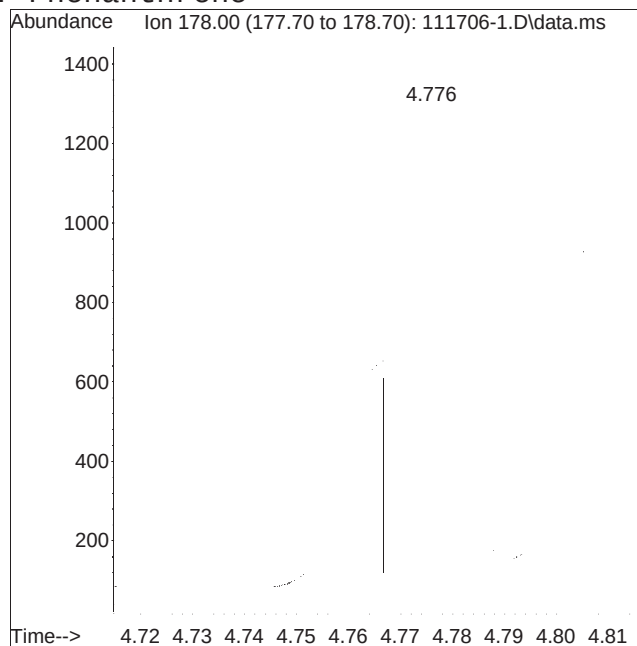
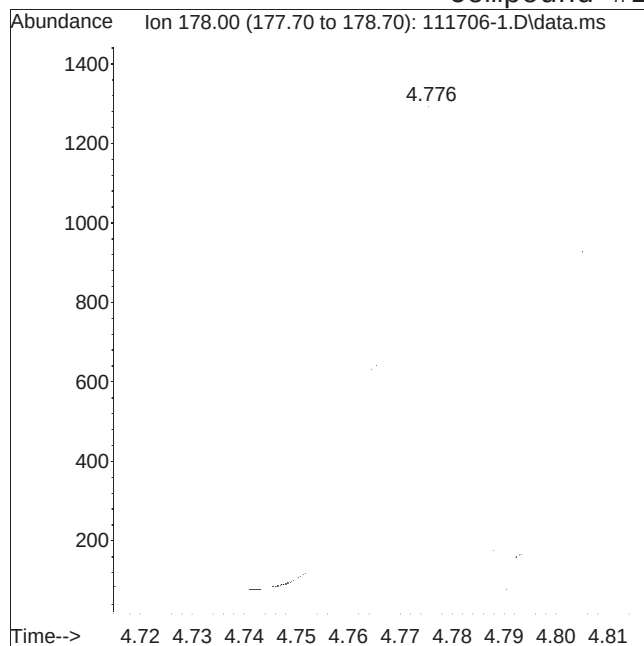


Manual Peak Response = 99 M4

Manual Integration Report

Data Path : I:\8270SIM\SV125\250910RVT\
Data File : 111706-1.D Operator : SV125:dv
Date Inj'd : 9/10/2025 1:57 pm Instrument : SV125
Sample : WG2111706-1,32,,csn Quant Date : 9/10/2025 2:13 pm

Compound #27: Phenanthrene



Original Peak Response = 1243

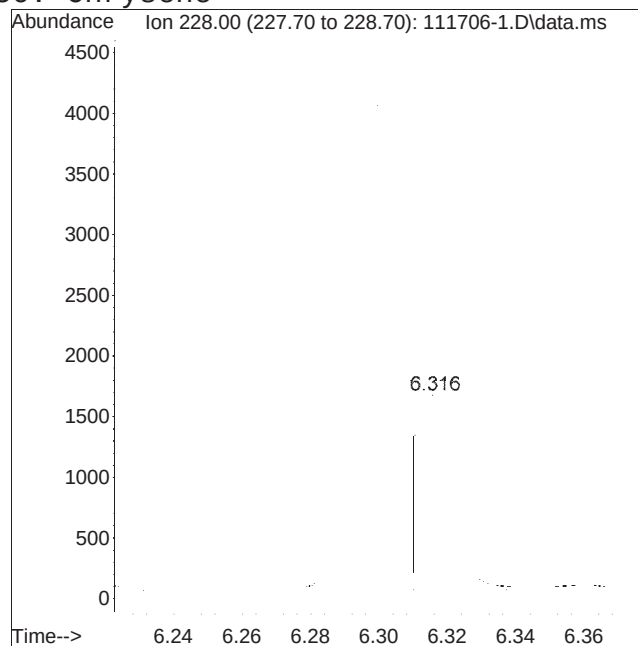
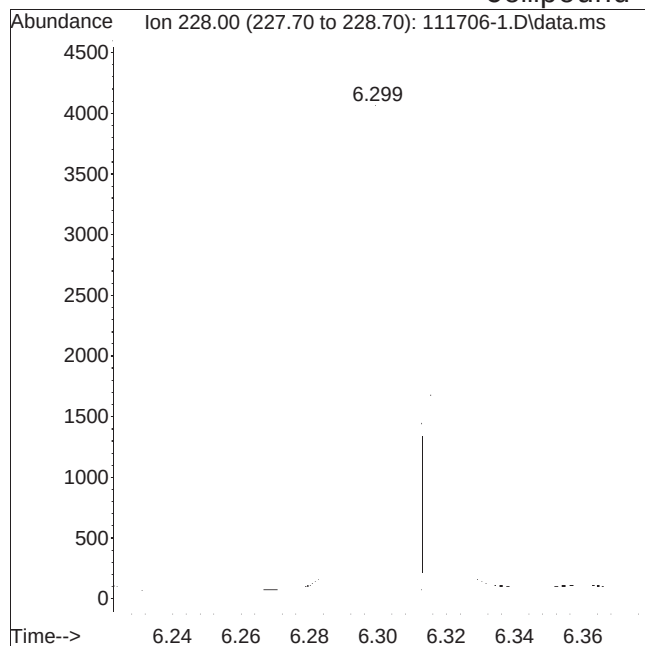
Manual Peak Response = 856 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\250910RVT
Data File : 111706-1.D Operator : SV125:dv
Date Inj'd : 9/10/2025 1:57 pm Instrument : SV125
Sample : WG2111706-1,32,,csn Quant Date : 9/10/2025 2:13 pm

Compound #36: Chrysene



Original Peak Response = 3823

Manual Peak Response = 1031 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 111706-2.D
 Acq On : 10 Sep 2025 01:23 pm
 Operator : SV125:dv
 Sample : WG2111706-2,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 21:16:14 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.310	152	218514	4000.000	ng/ml	0.00
Standard Area 1 = 224293			Recovery	=	97.42%	
9) Naphthalene-d8	2.965	136	871491	4000.000	ng/ml	0.00
Standard Area 1 = 856626			Recovery	=	101.74%	
18) Acenaphthene-d10	3.933	164	502179	4000.000	ng/ml	0.00
Standard Area 1 = 485847			Recovery	=	103.36%	
23) Phenanthrene-d10	4.765	188	988402	4000.000	ng/ml	0.00
Standard Area 1 = 985427			Recovery	=	100.30%	
33) Chrysene-d12	6.303	240	871143	4000.000	ng/ml	0.00
Standard Area 1 = 873687			Recovery	=	99.71%	
38) Perylene-d12	7.373	264	866199	4000.000	ng/ml	0.00
Standard Area 1 = 895700			Recovery	=	96.71%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	65847	1220.308	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	61.02%	
4) Phenol-d6	2.139	99	60380	905.754	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	45.29%	
8) Nitrobenzene-d5	2.588	82	48295	907.236	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	90.72%	
14) 2-Fluorobiphenyl	3.560	172	140631	790.716	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	79.07%	
22) 2,4,6-Tribromophenol	4.376	330	42277	2264.411	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	113.22%#	
32) 4-Terphenyl-d14	5.682	244	197224	995.673	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	99.57%	
Target Compounds						
5) Bis(2-chloroethyl)ether	2.180	93	92301	1535.669	ng/ml	99
7) Hexachloroethane	2.566	117	31105	1134.508	ng/ml	98
10) Naphthalene	2.974	128	302774	1313.837	ng/ml	99
11) Hexachlorobutadiene	3.051	225	42645	1116.963	ng/ml	99
12) 2-Methylnaphthalene	3.353	142	197365	1467.405	ng/ml	99
15) 2-Chloronaphthalene	3.621	162	220640	1461.691	ng/ml	93
17) Acenaphthylene	3.851	152	394640	1653.620	ng/ml	100
19) Acenaphthene	3.949	153	246602	1536.007	ng/ml	96
21) Fluorene	4.239	166	298800	1662.013	ng/ml	100
25) Hexachlorobenzene	4.552	284	88255	1644.600	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 111706-2.D
 Acq On : 10 Sep 2025 01:23 pm
 Operator : SV125:dv
 Sample : WG2111706-2,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 21:16:14 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	4.664	266	55097	2487.025	ng/ml	99
27)	Phenanthrene	4.776	178	478738	1695.739	ng/ml	100
28)	Anthracene	4.806	178	480365	1783.583	ng/ml	100
29)	Fluoranthene	5.454	202	595713	1951.165	ng/ml	99
30)	Pyrene	5.581	202	607610	1938.993	ng/ml	100
34)	Benzo[a]anthracene	6.295	226	161290	1925.069	ng/ml	99
36)	Chrysene	6.316	228	535973	1937.479	ng/ml	100
39)	Benzo[b]fluoranthene	7.043	252	562314	2052.121	ng/ml	95
40)	Benzo[k]fluoranthene	7.063	252	535731	1929.399	ng/ml	95
41)	Benzo[a]pyrene	7.316	252	491319	2028.403	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.464	276	495580	2153.322	ng/ml	97
43)	Dibenzo[a,h]anthracene	8.499	278	450867M6	1975.850	ng/ml	
44)	Benzo[g,h,i]perylene	8.769	276	476273	2007.417	ng/ml	98

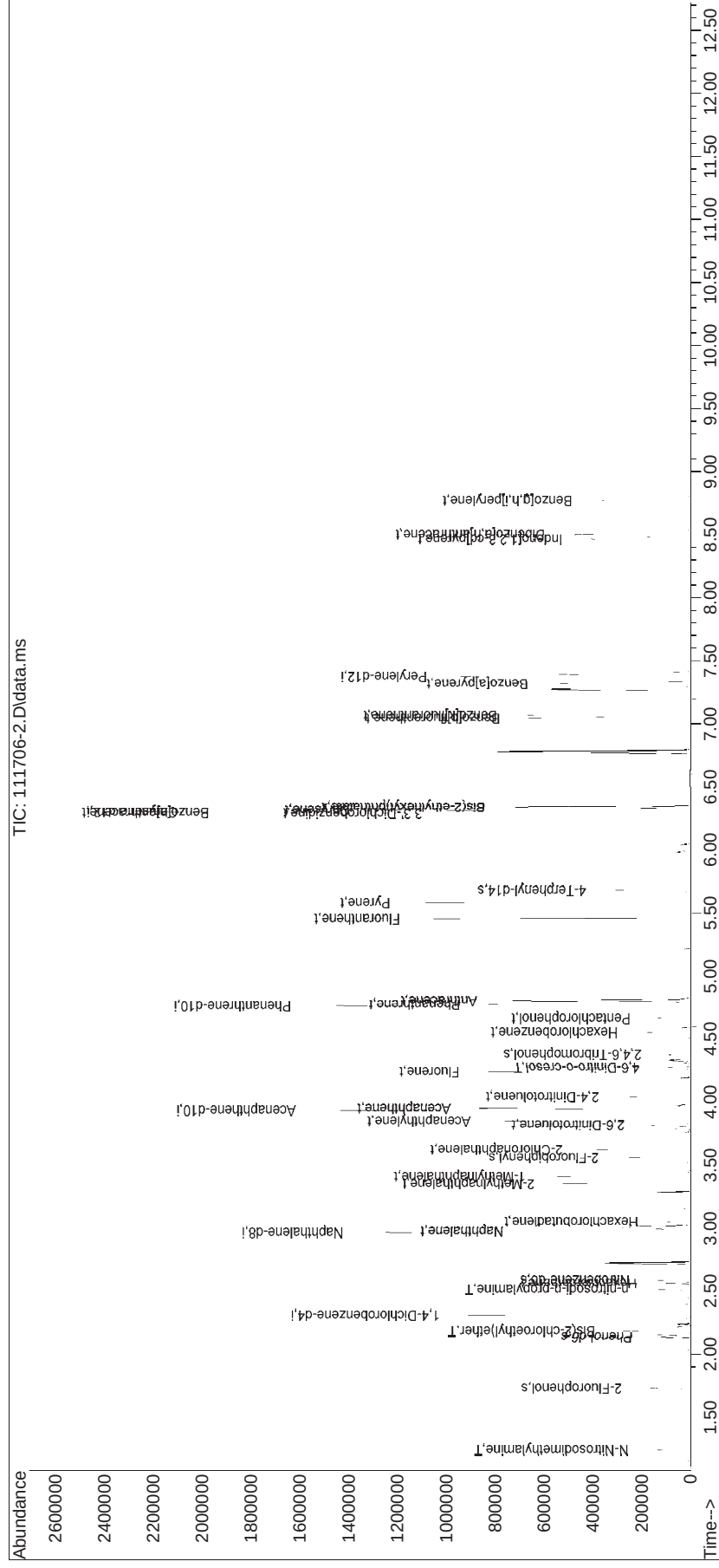
(#) = qualifier out of range (m) = manual integration (+) = signals summed

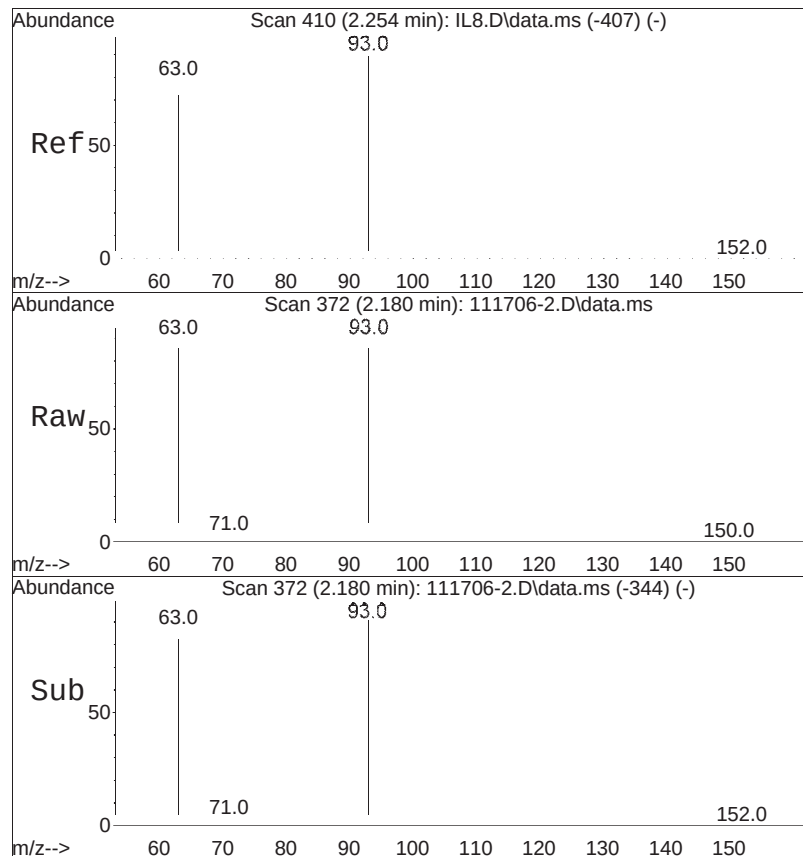
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 111706-2.D
 Acq On : 10 Sep 2025 01:23 pm
 Operator : SV125:dv
 Sample : WG2111706-2,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 21:16:14 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 Qlast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

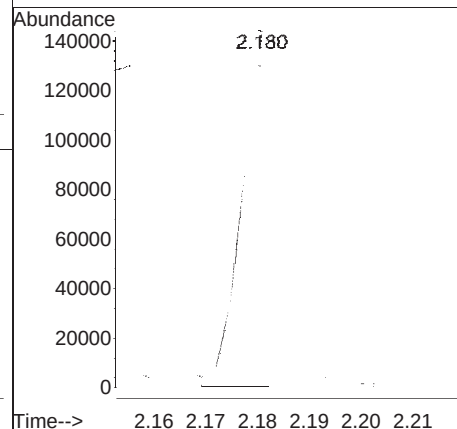
Sub List : DEFAULT - All compounds listed\ccv0910.D•

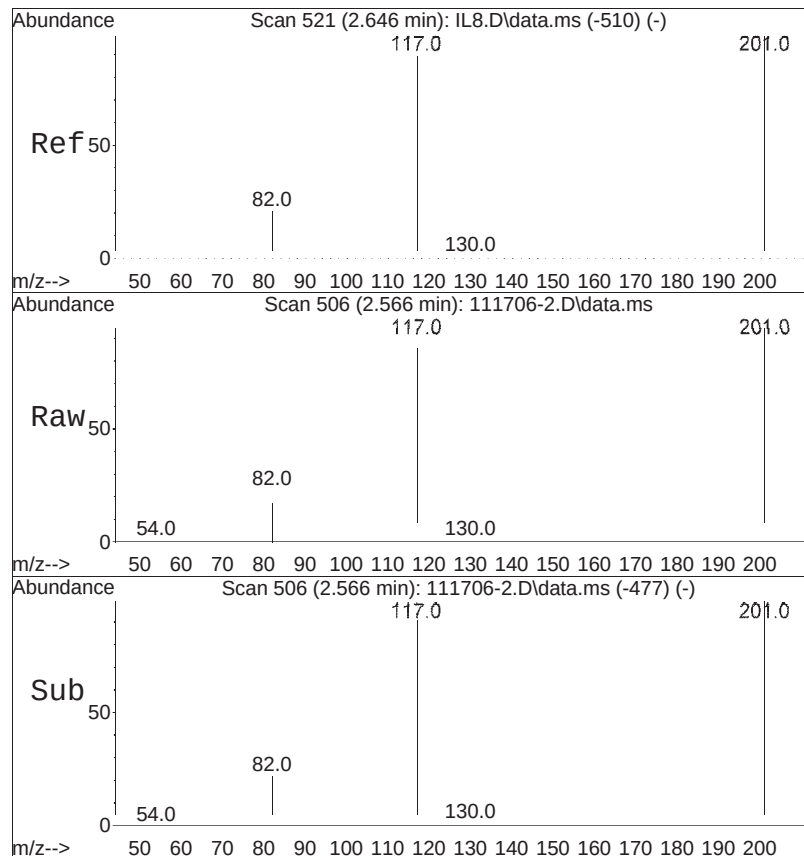




#5
 Bis(2-chloroethyl)ether
 Concen: 1535.67 ng/ml
 RT: 2.180 min Scan# 372
 Delta R.T. -0.003 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

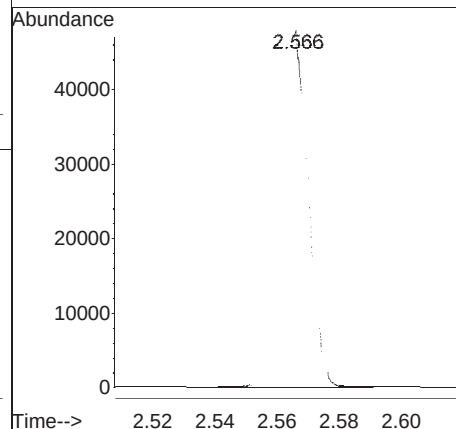
Tgt Ion	Ratio	Lower	Upper
93	100		
63	87.0	68.6	103.0

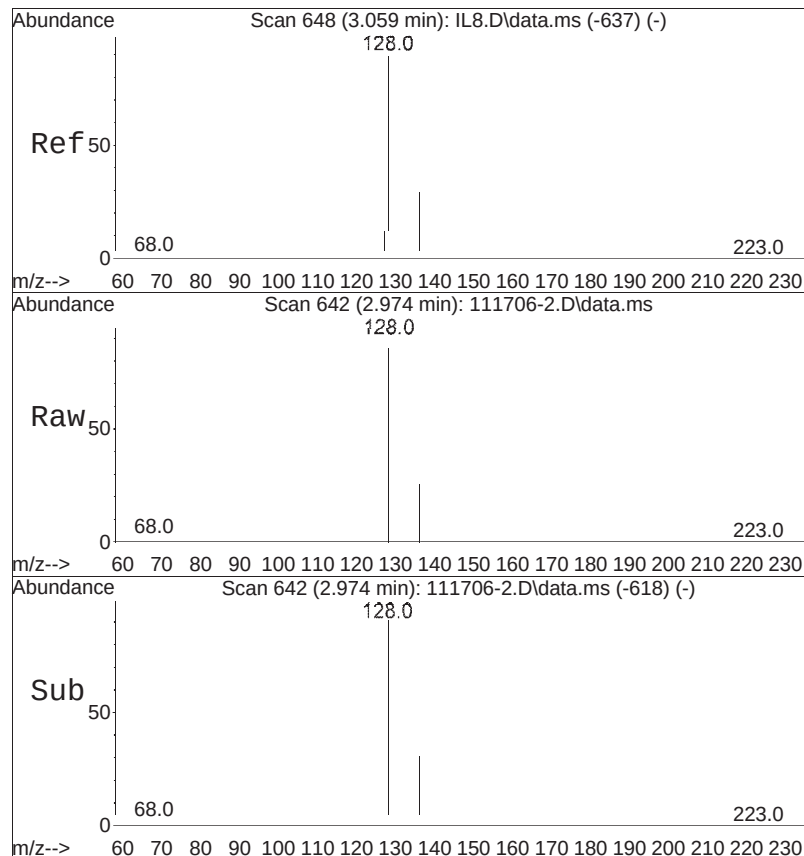




#7
 Hexachloroethane
 Concen: 1134.51 ng/ml
 RT: 2.566 min Scan# 506
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

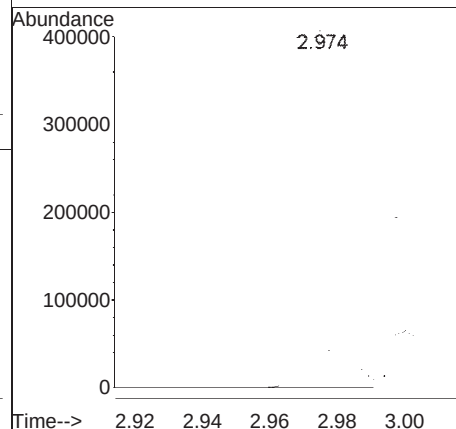
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31105		
201	98.4	80.2	120.2	

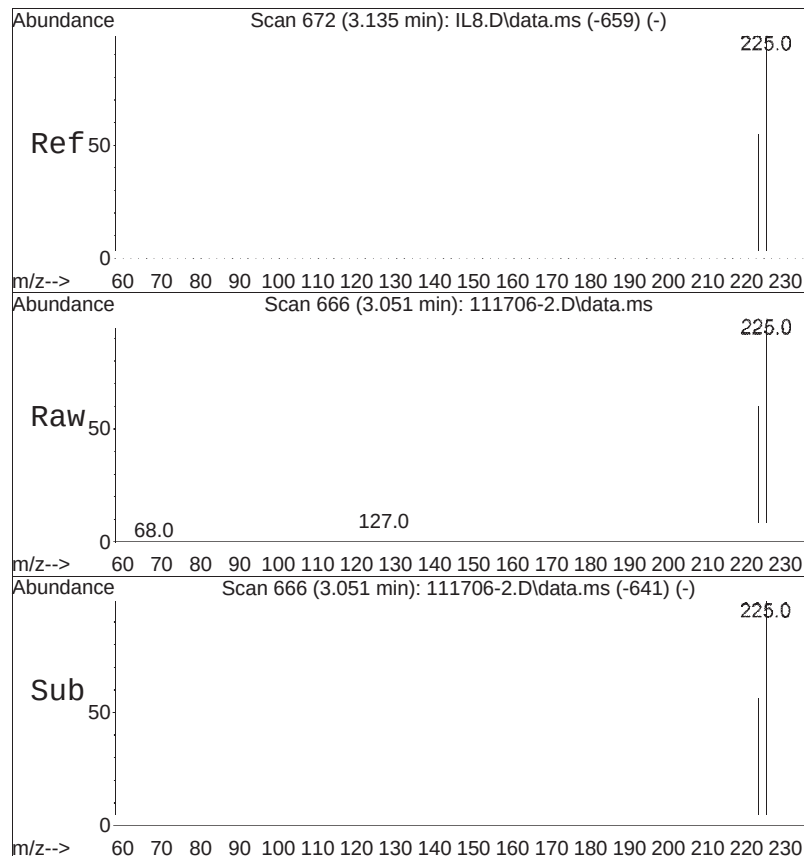




#10
 Naphthalene
 Concen: 1313.84 ng/ml
 RT: 2.974 min Scan# 642
 Delta R.T. -0.003 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

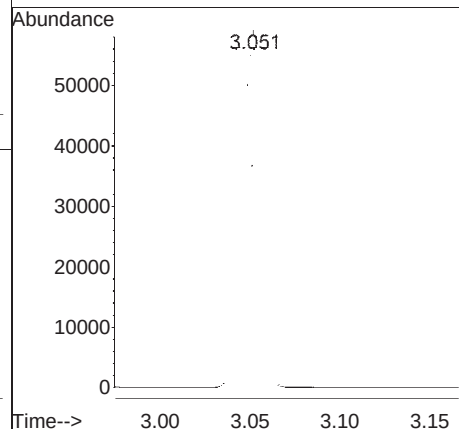
Tgt Ion	128	Resp:	302774
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.8	13.2
127	13.4	10.6	15.8

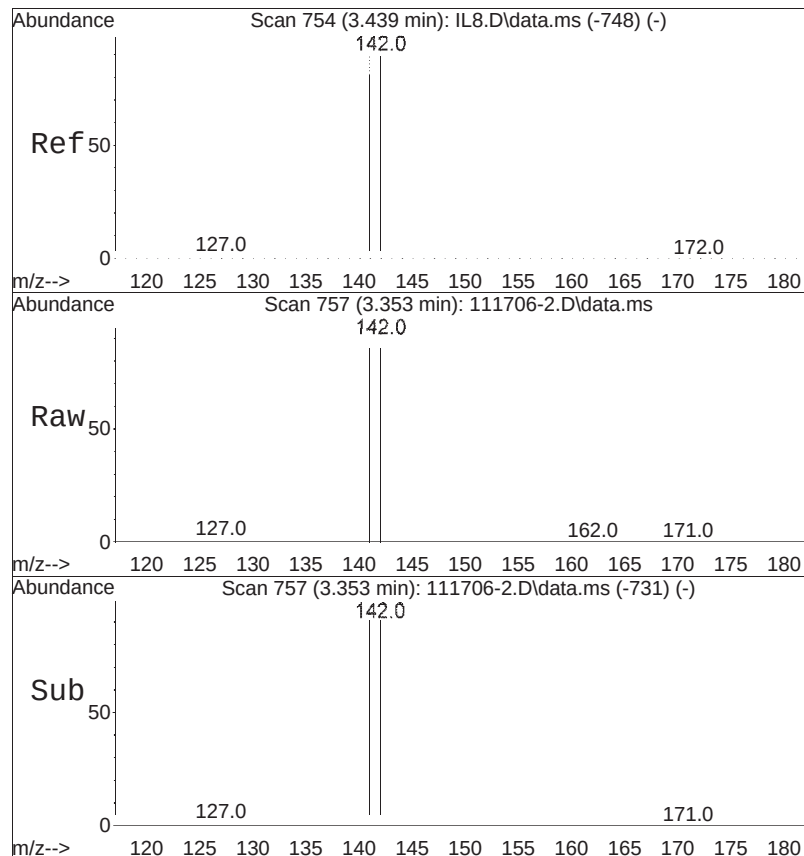




#11
 Hexachlorobutadiene
 Concen: 1116.96 ng/ml
 RT: 3.051 min Scan# 666
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

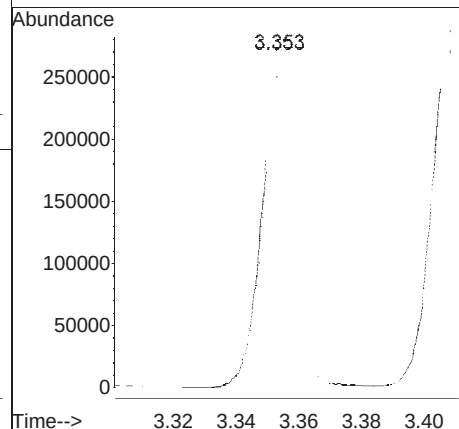
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	75.8

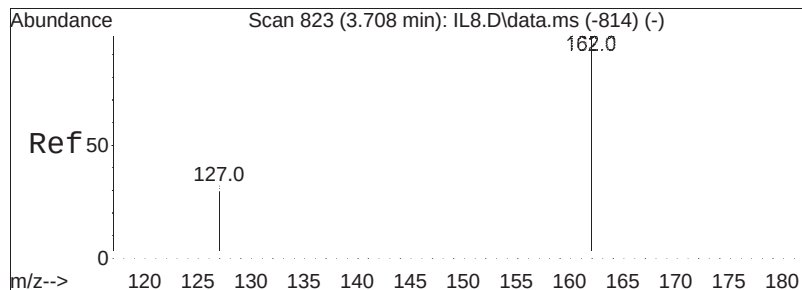




#12
 2-Methylnaphthalene
 Concen: 1467.41 ng/ml
 RT: 3.353 min Scan# 757
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

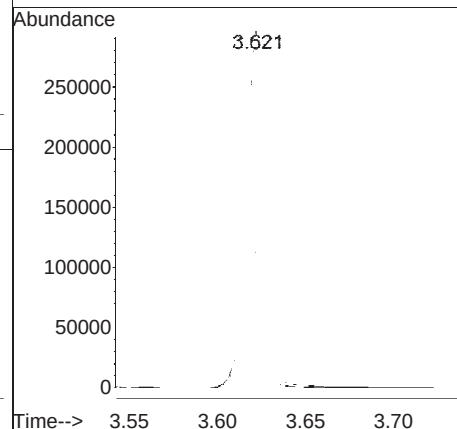
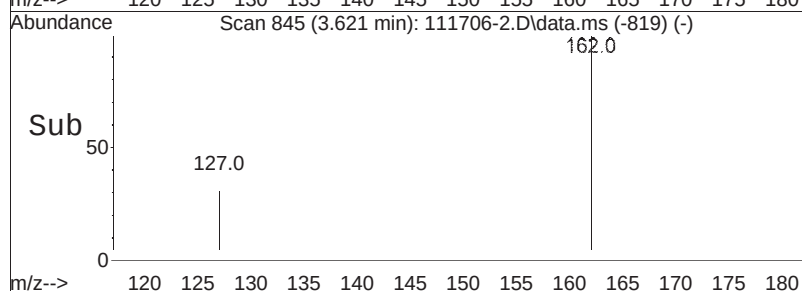
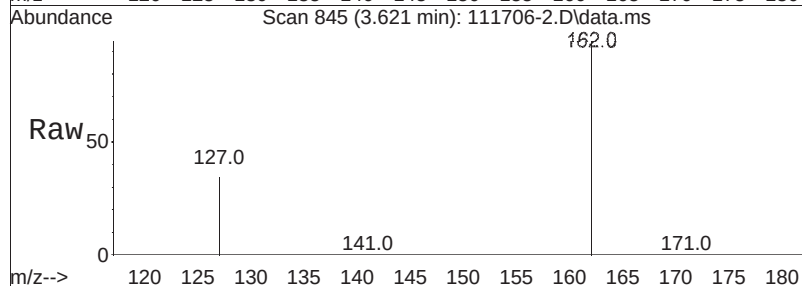
Tgt Ion:	142	Resp:	197365
Ion Ratio	Lower	Upper	
142	100		
141	92.3	74.2	111.4

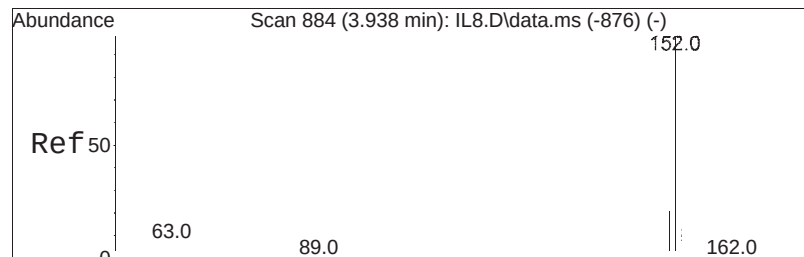




#15
 2-Chloronaphthalene
 Concen: 1461.69 ng/ml
 RT: 3.621 min Scan# 845
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.9	30.0	45.0





#17

Acenaphthylene

Concen: 1653.62 ng/ml

RT: 3.851 min Scan# 915

Delta R.T. -0.000 min

Lab File: 111706-2.D

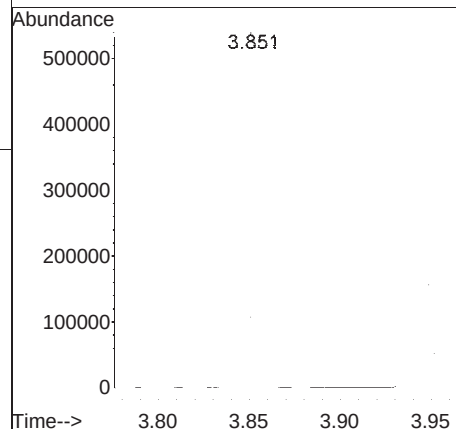
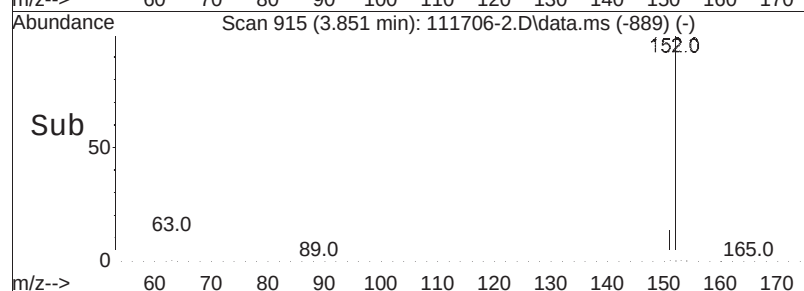
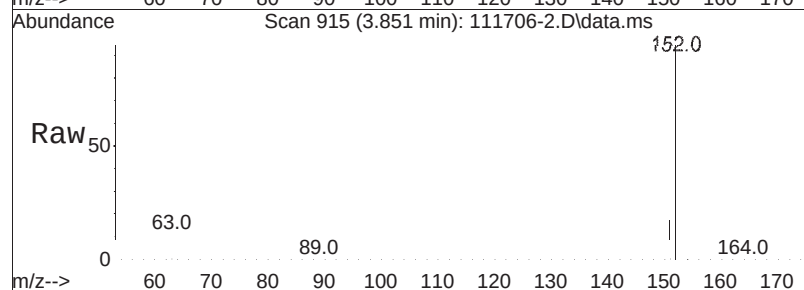
Acq: 10 Sep 2025 01:23 pm

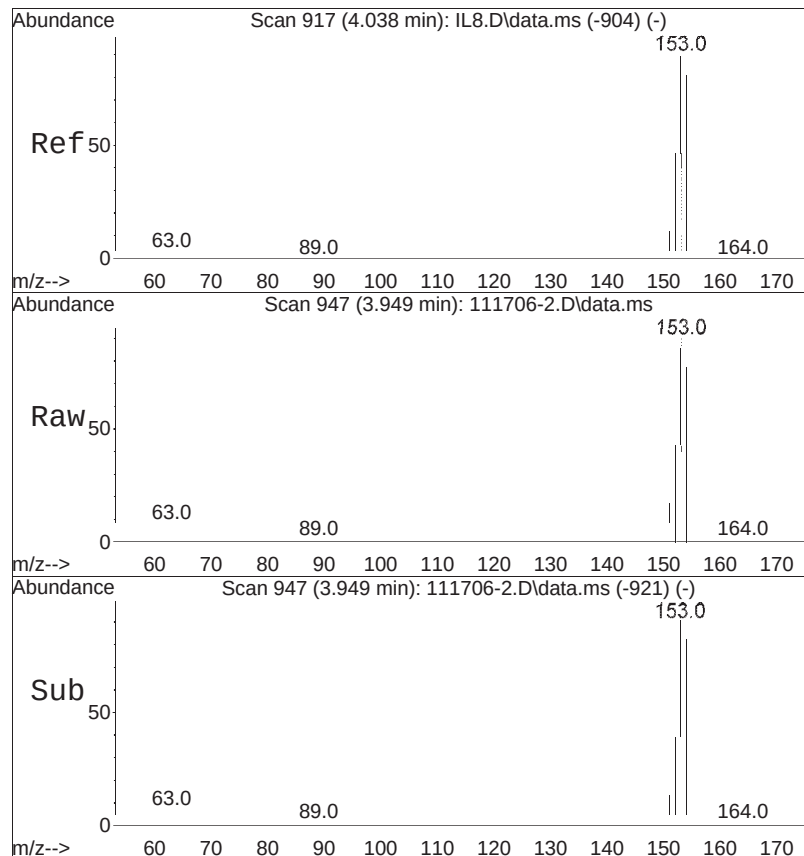
Tgt Ion:152 Resp: 394640

Ion Ratio Lower Upper

152 100

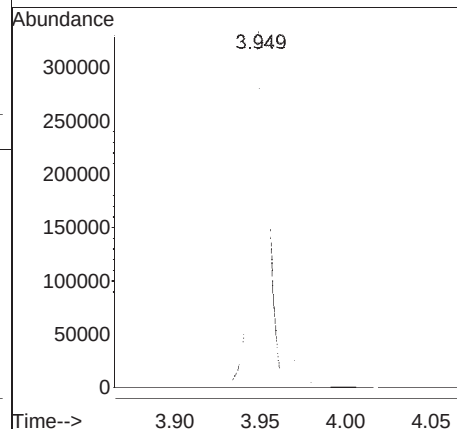
151 20.0 16.1 24.1

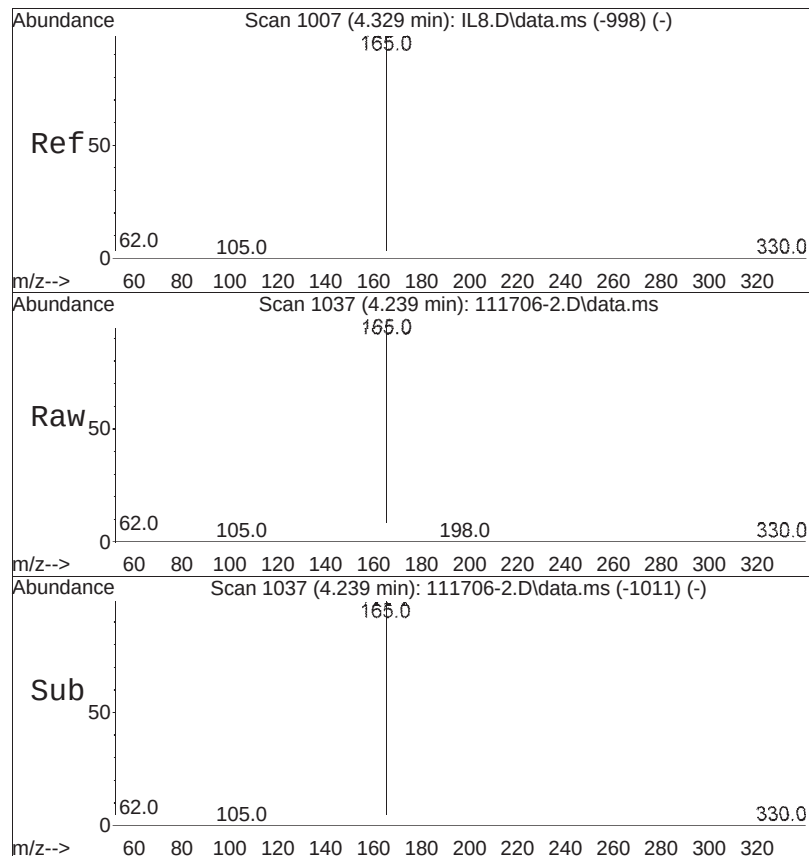




#19
 Acenaphthene
 Concen: 1536.01 ng/ml
 RT: 3.949 min Scan# 947
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

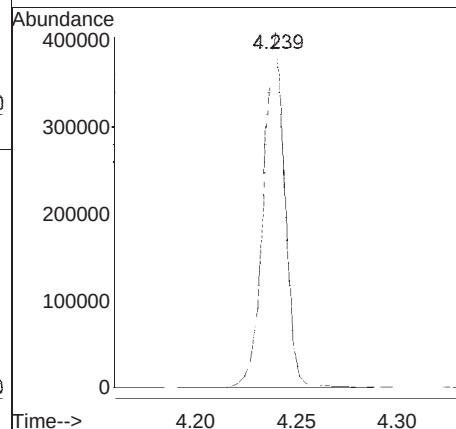
Tgt Ion	Ratio	Lower	Upper
153	100		
154	86.2	72.2	108.4

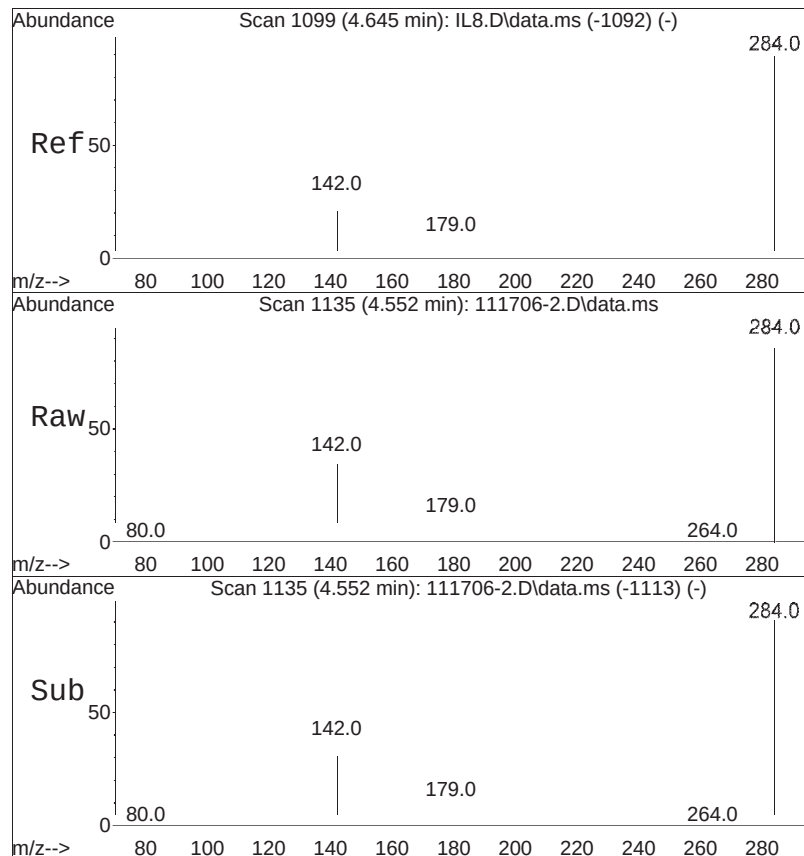




#21
 Fluorene
 Concen: 1662.01 ng/ml
 RT: 4.239 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

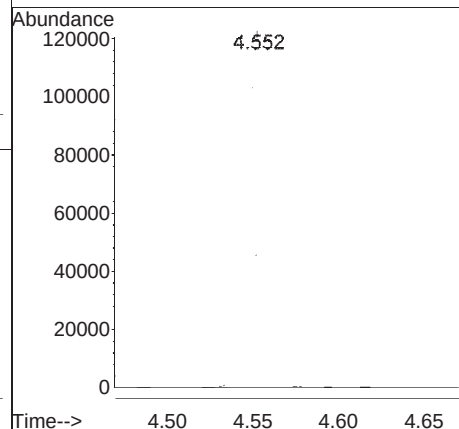
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	298800		
165	101.6		81.5	122.3

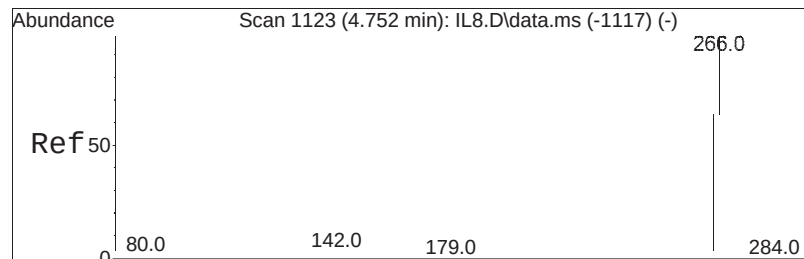




#25
 Hexachlorobenzene
 Concen: 1644.60 ng/ml
 RT: 4.552 min Scan# 1135
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

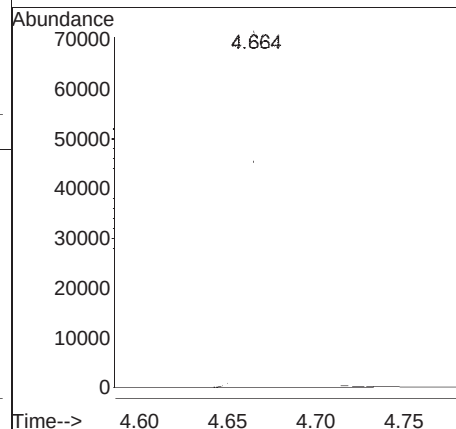
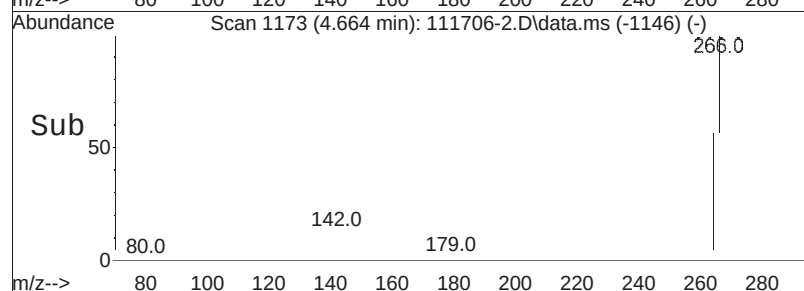
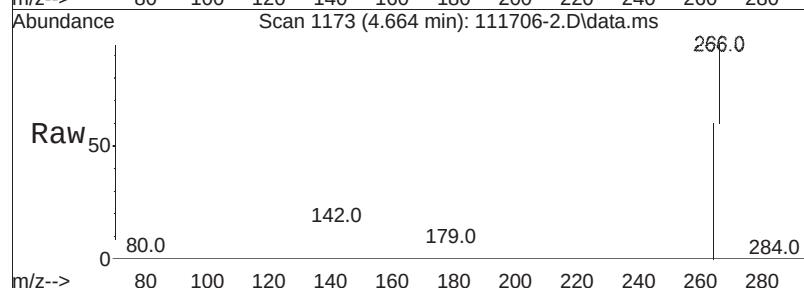
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.3	29.4	44.2

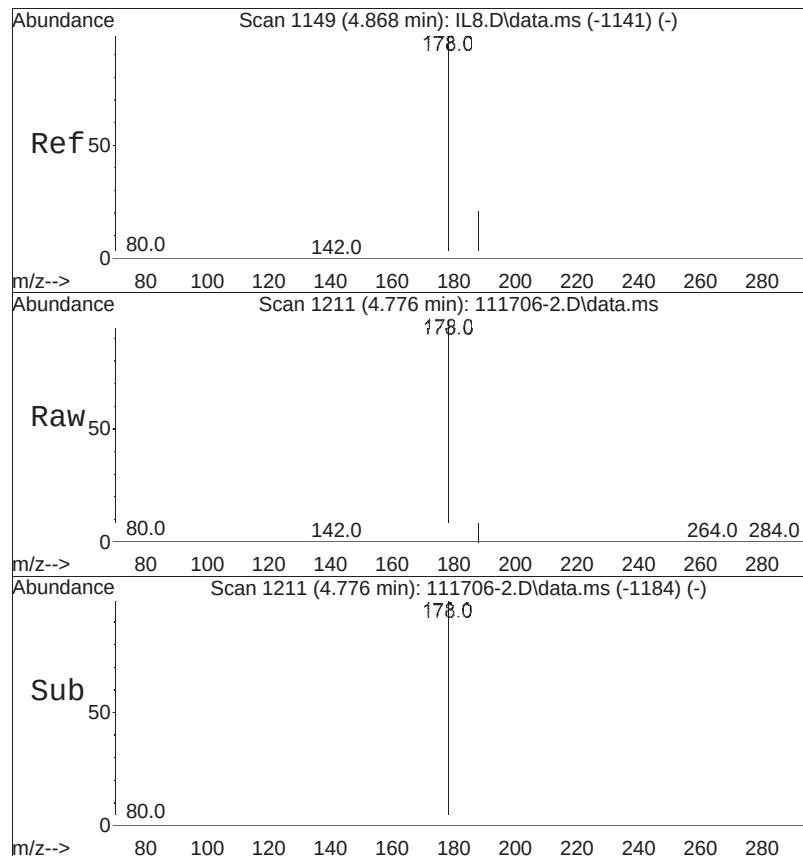




#26
 Pentachlorophenol
 Concen: 2487.03 ng/ml
 RT: 4.664 min Scan# 1173
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

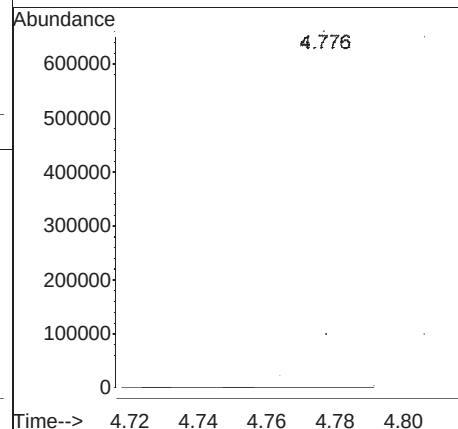
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.2	49.9	74.9

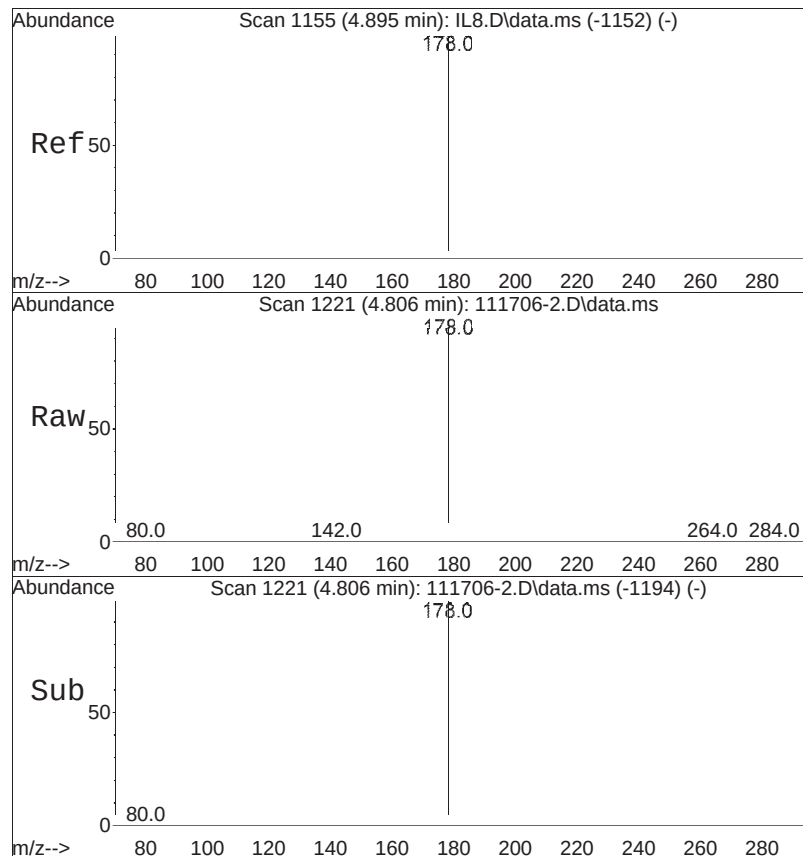




#27
 Phenanthrene
 Concen: 1695.74 ng/ml
 RT: 4.776 min Scan# 1211
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

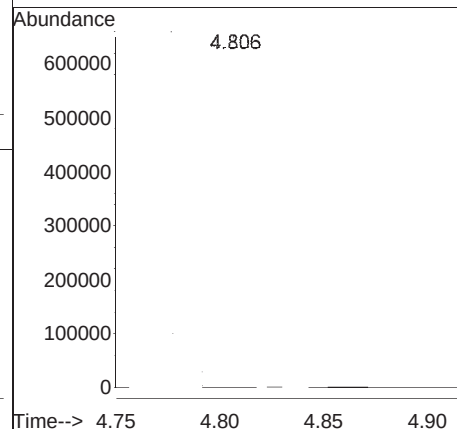
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7

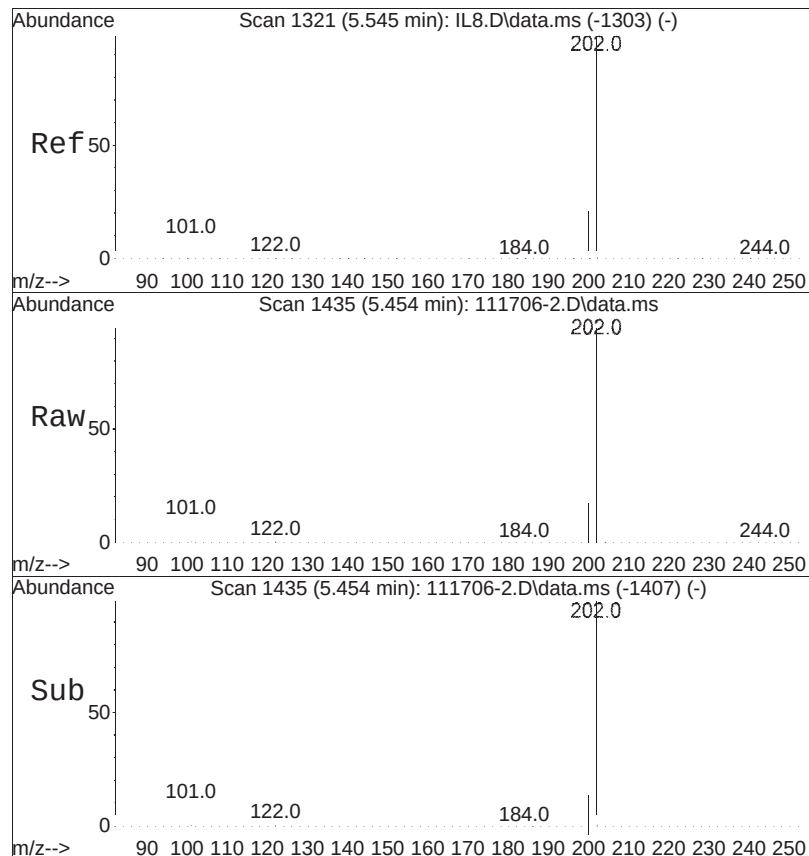




#28
 Anthracene
 Concen: 1783.58 ng/ml
 RT: 4.806 min Scan# 1221
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

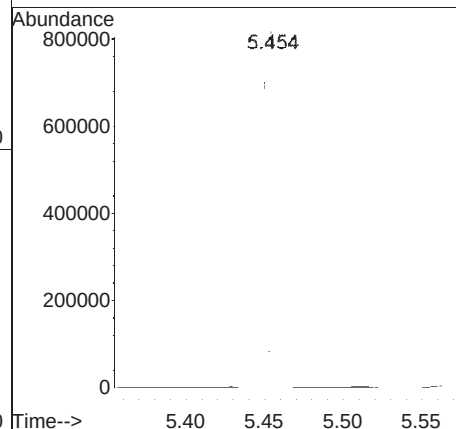
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

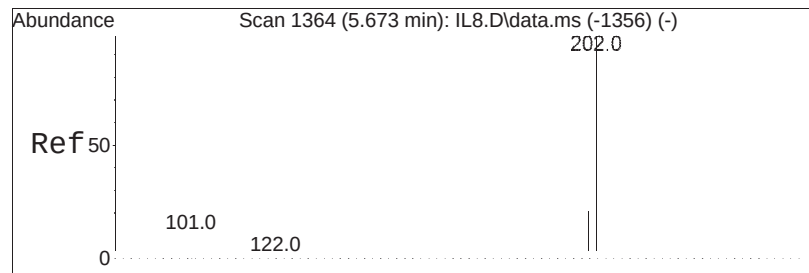




#29
 Fluoranthene
 Concen: 1951.17 ng/ml
 RT: 5.454 min Scan# 1435
 Delta R.T. 0.003 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

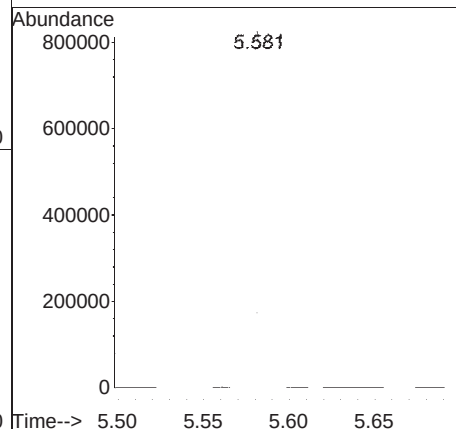
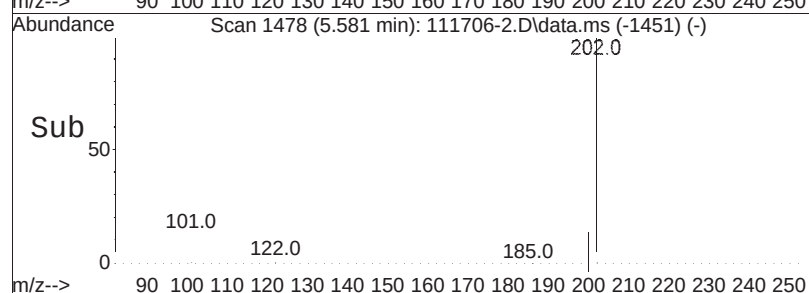
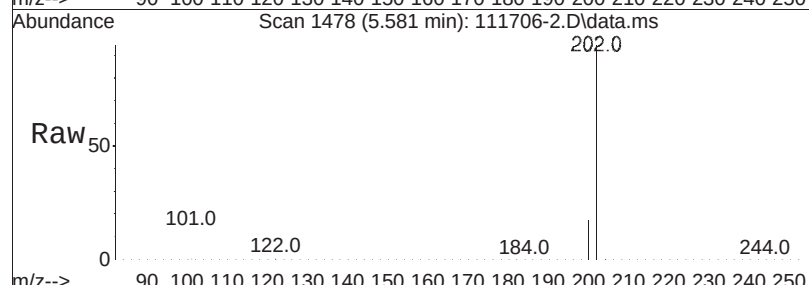
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	595713		
101	10.8		8.3	12.5

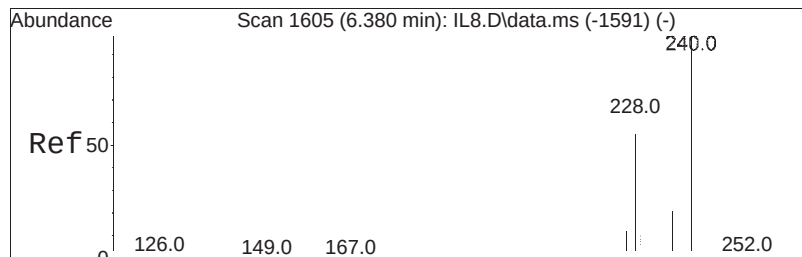




#30
 Pyrene
 Concen: 1938.99 ng/ml
 RT: 5.581 min Scan# 1478
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2





#34

Benzo[a]anthracene

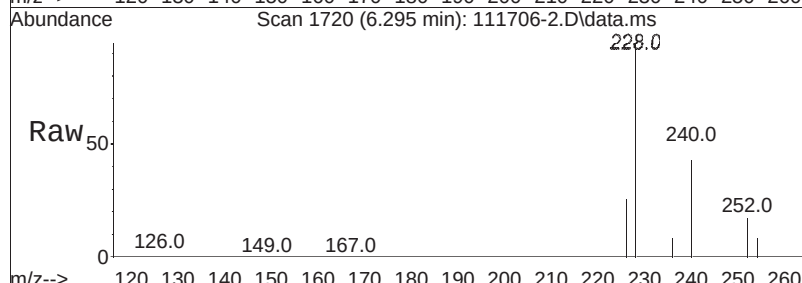
Concen: 1925.07 ng/ml

RT: 6.295 min Scan# 1720

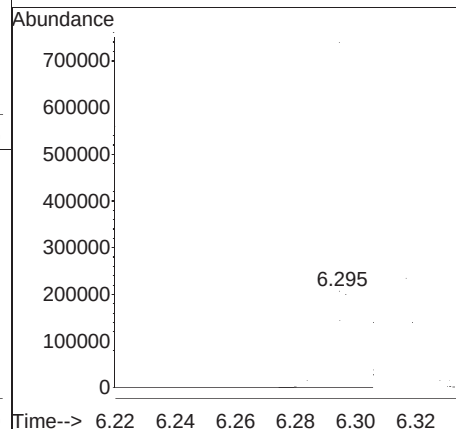
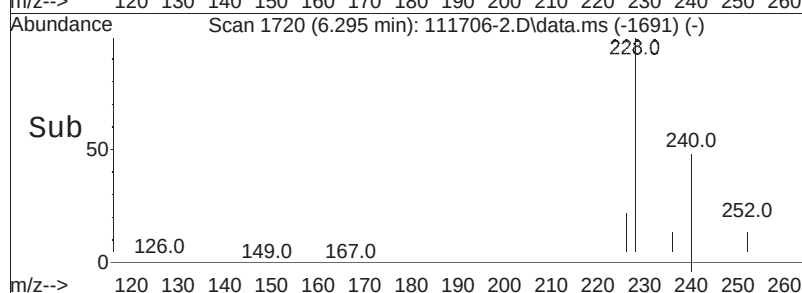
Delta R.T. -0.000 min

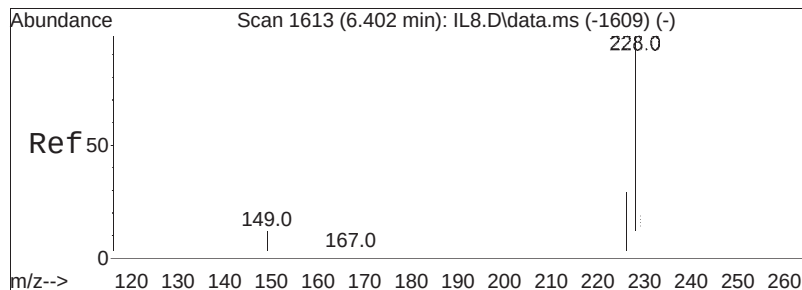
Lab File: 111706-2.D

Acq: 10 Sep 2025 01:23 pm



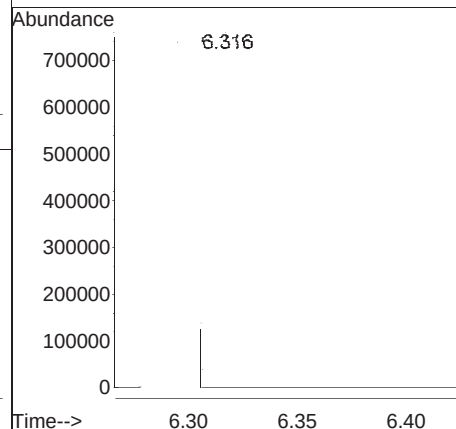
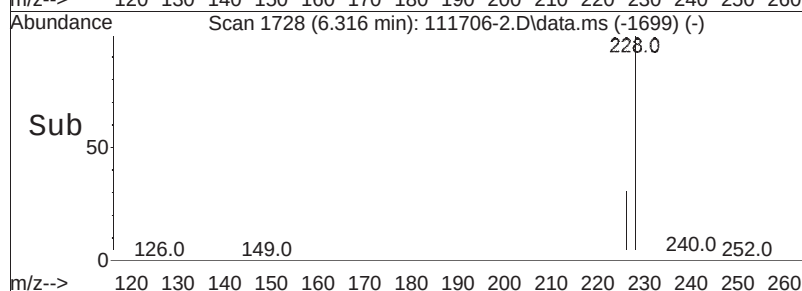
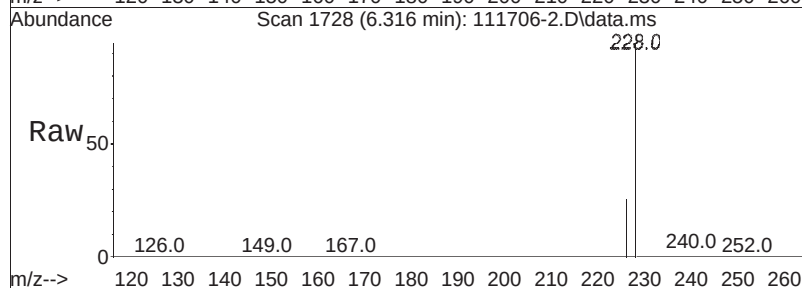
Tgt Ion:	226	Resp:	161290
Ion Ratio	Lower	Upper	
226	100		
229	70.2	56.4	84.6
228	356.9	287.5	431.3
229	70.2	56.4	84.6

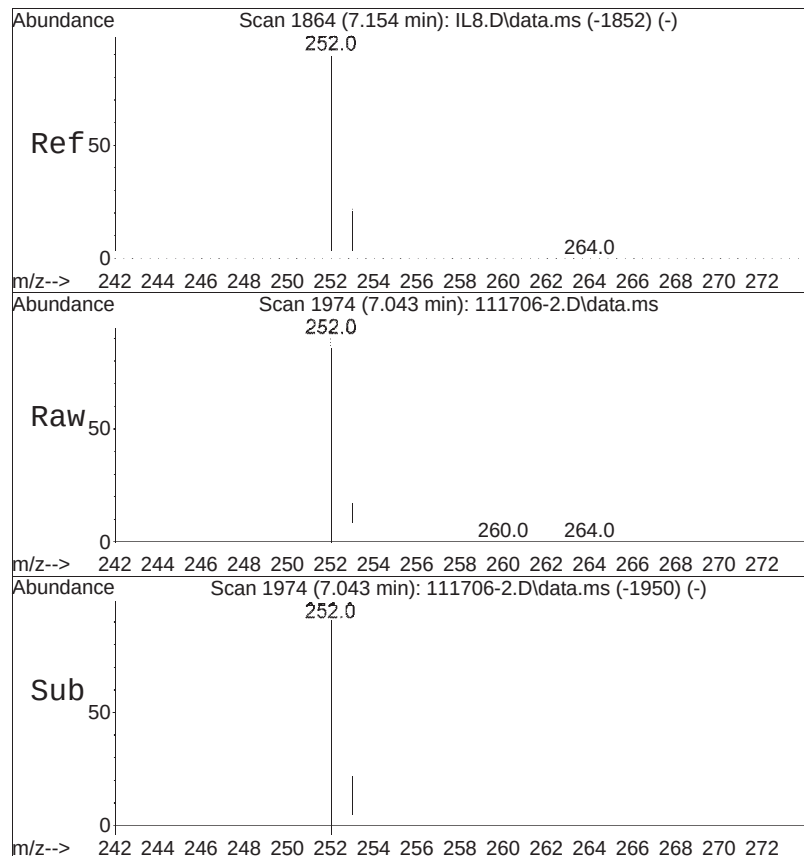




#36
 Chrysene
 Concen: 1937.48 ng/ml
 RT: 6.316 min Scan# 1728
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

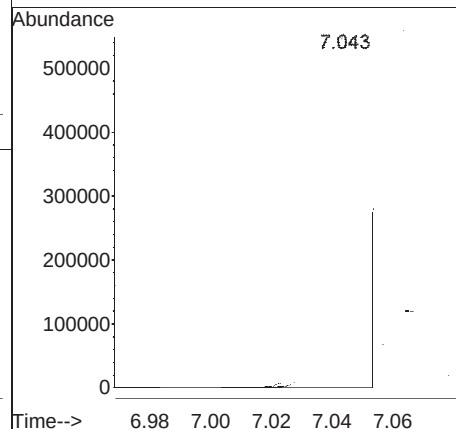
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5

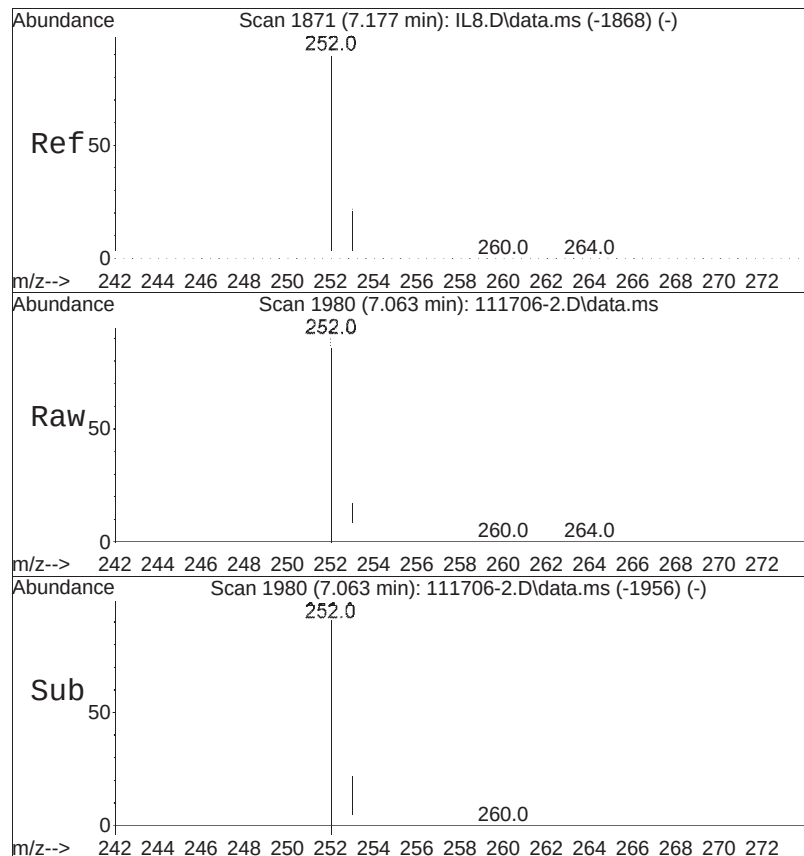




#39
 Benzo[b]fluoranthene
 Concen: 2052.12 ng/ml
 RT: 7.043 min Scan# 1974
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

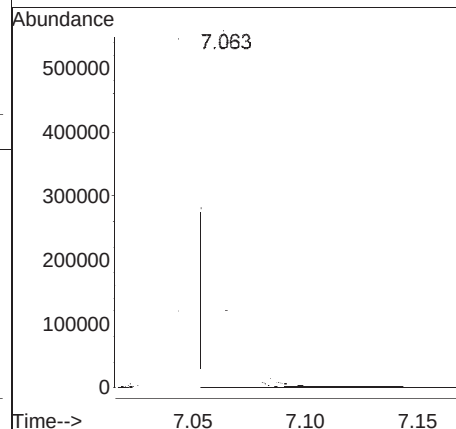
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	19.2	28.8

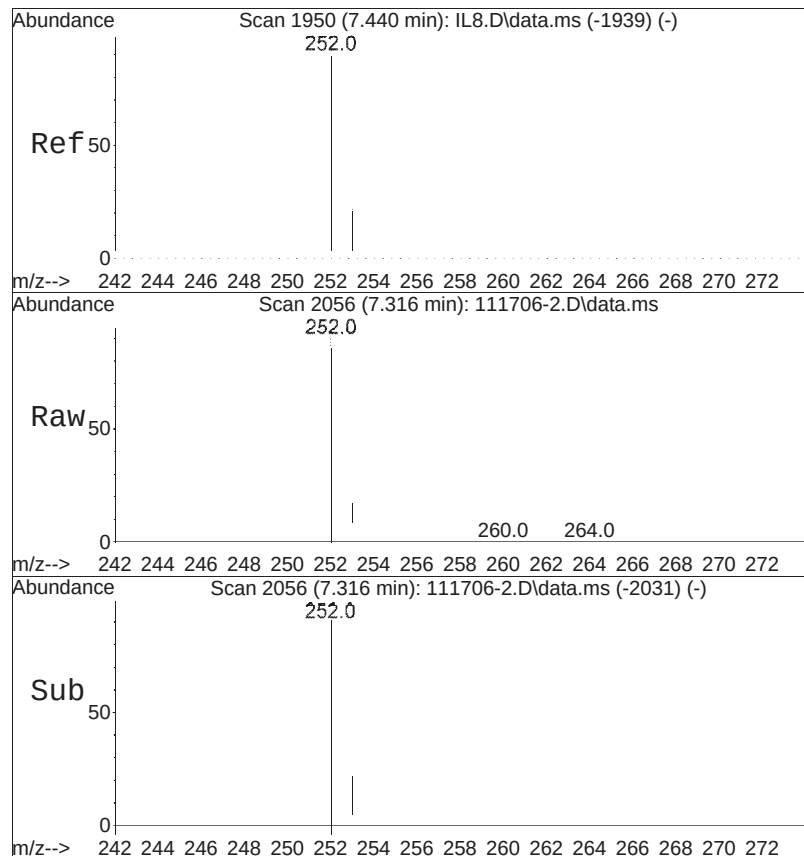




#40
 Benzo[k]fluoranthene
 Concen: 1929.40 ng/ml
 RT: 7.063 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

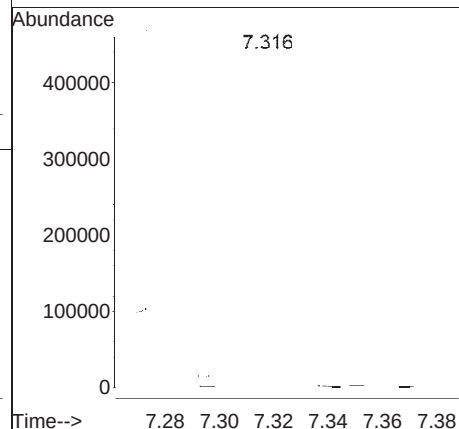
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.1	15.8	23.8	

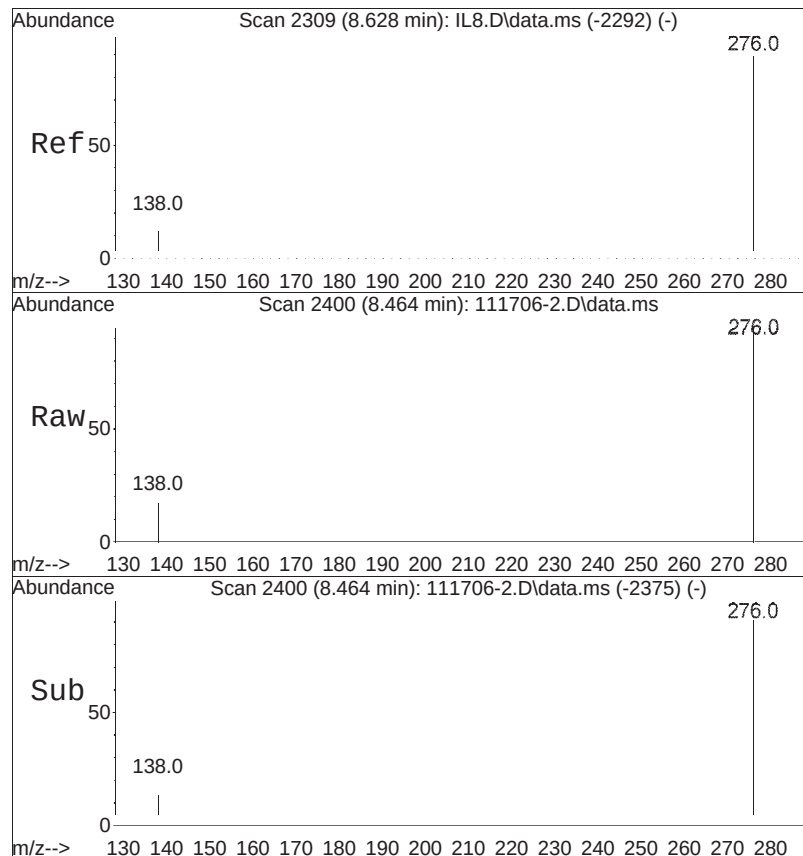




#41
 Benzo[a]pyrene
 Concen: 2028.40 ng/ml
 RT: 7.316 min Scan# 2056
 Delta R.T. 0.003 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

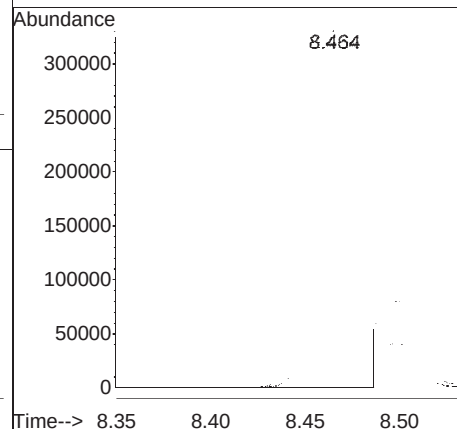
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

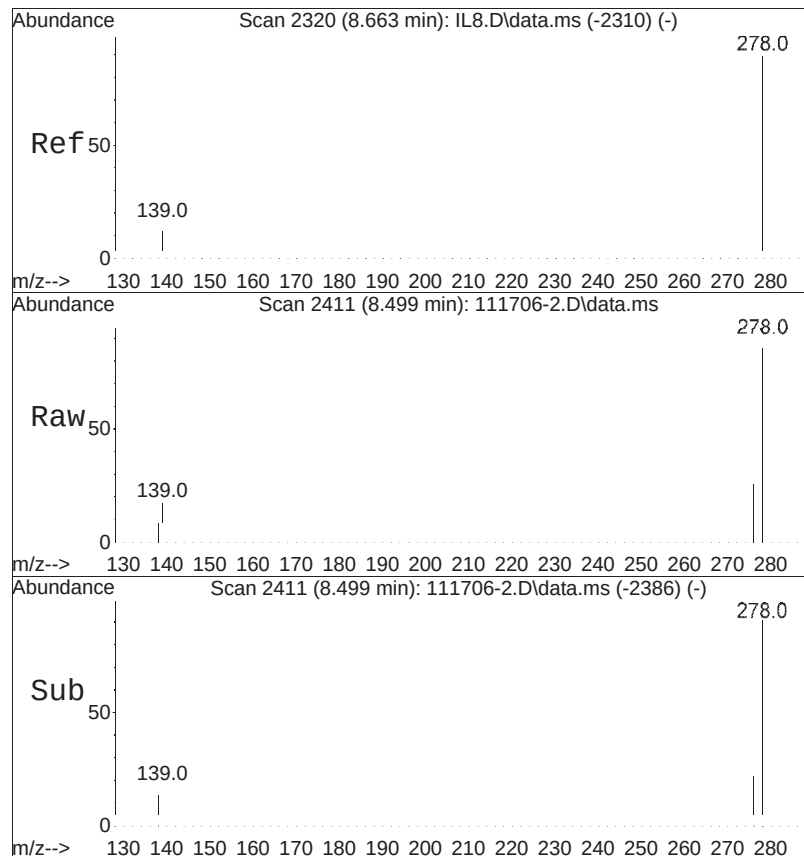




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 2153.32 ng/ml
 RT: 8.464 min Scan# 2400
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

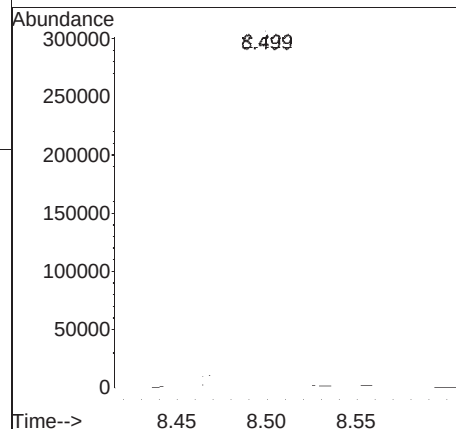
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	15.9	23.9

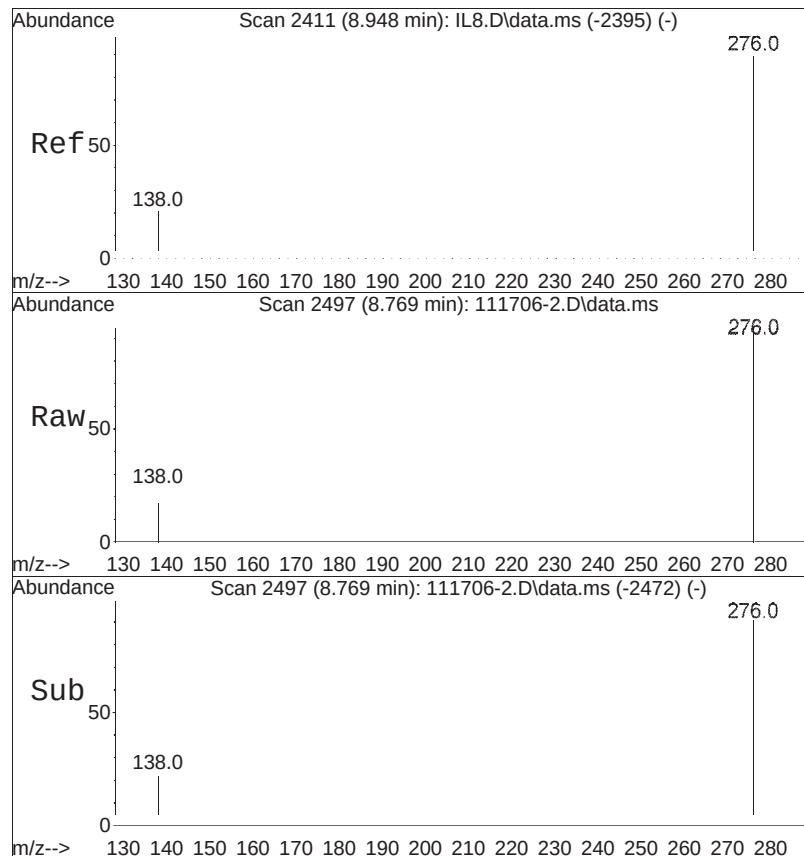




#43
 Dibenzo[a,h]anthracene
 Concen: 1975.85 ng/ml M6
 RT: 8.499 min Scan# 2411
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

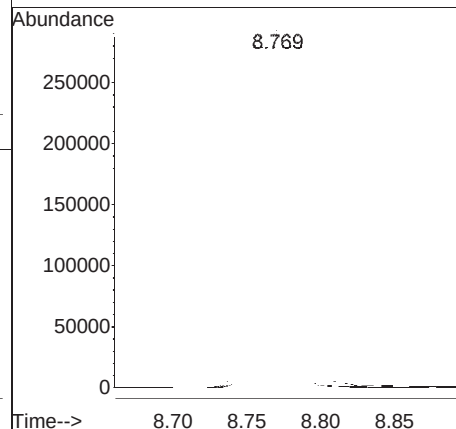
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 2007.42 ng/ml
 RT: 8.769 min Scan# 2497
 Delta R.T. -0.000 min
 Lab File: 111706-2.D
 Acq: 10 Sep 2025 01:23 pm

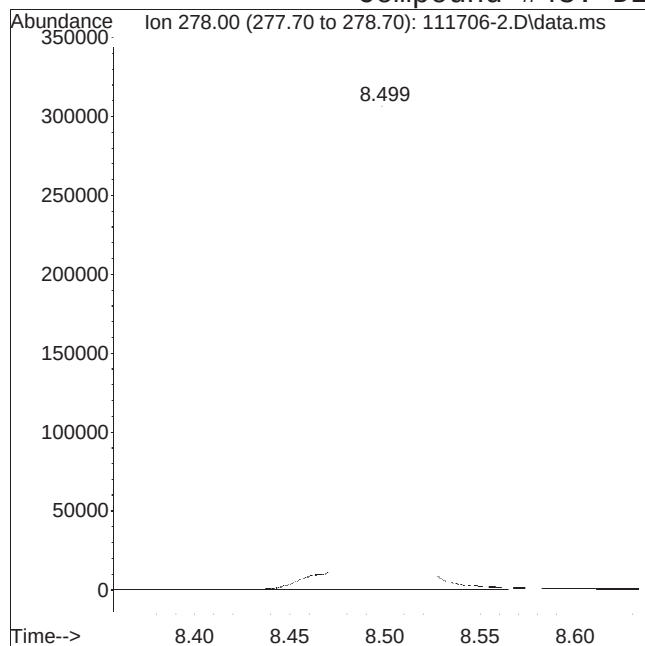
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.1	27.1



Manual Integration Report

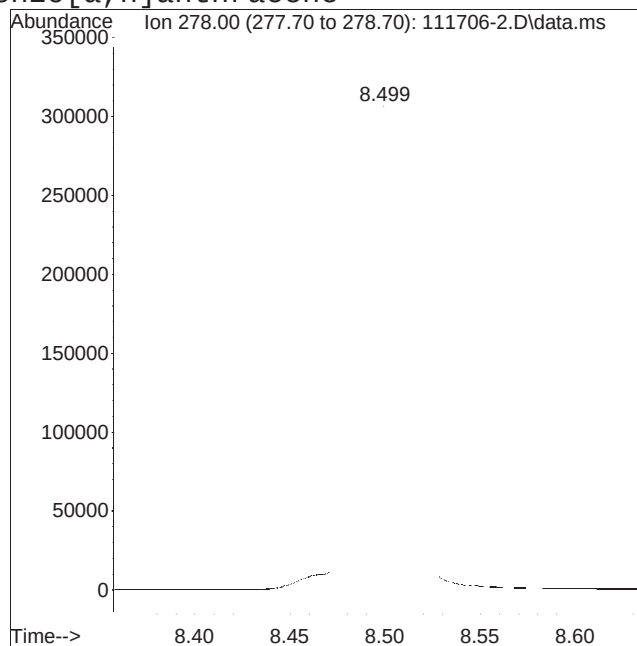
Data Path : I:\8270SIM\SV125\250910RVTQMethod : SIM-RVT_250908_sv125.M
Data File : 111706-2.D Operator : SV125:dv
Date Inj'd : 9/10/2025 1:23 pm Instrument : SV125
Sample : WG2111706-2,32,,csn Quant Date : 9/10/2025 1:40 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 467823

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 450867 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 111706-3.D
 Acq On : 10 Sep 2025 01:40 pm
 Operator : SV125:dv
 Sample : WG2111706-3,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 21:16:51 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.311	152	211728	4000.000	ng/ml	0.00
Standard Area 1 = 224293			Recovery	=	94.40%	
9) Naphthalene-d8	2.965	136	839363	4000.000	ng/ml	0.00
Standard Area 1 = 856626			Recovery	=	97.98%	
18) Acenaphthene-d10	3.933	164	477352	4000.000	ng/ml	0.00
Standard Area 1 = 485847			Recovery	=	98.25%	
23) Phenanthrene-d10	4.765	188	932052	4000.000	ng/ml	0.00
Standard Area 1 = 985427			Recovery	=	94.58%	
33) Chrysene-d12	6.300	240	826090	4000.000	ng/ml	0.00
Standard Area 1 = 873687			Recovery	=	94.55%	
38) Perylene-d12	7.370	264	830299	4000.000	ng/ml	0.00
Standard Area 1 = 895700			Recovery	=	92.70%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.731	112	65170	1246.471	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	62.32%	
4) Phenol-d6	2.139	99	58172	900.601	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	45.03%	
8) Nitrobenzene-d5	2.588	82	47878	928.229	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	92.82%	
14) 2-Fluorobiphenyl	3.561	172	135968	793.760	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	79.38%	
22) 2,4,6-Tribromophenol	4.376	330	38406	2164.063	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	108.20%	
32) 4-Terphenyl-d14	5.682	244	168556	902.391	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	90.24%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	2.180	93	91629	1573.349	ng/ml	99
7) Hexachloroethane	2.566	117	30688	1155.173	ng/ml	98
10) Naphthalene	2.975	128	296737	1336.927	ng/ml	99
11) Hexachlorobutadiene	3.051	225	41096	1117.592	ng/ml	99
12) 2-Methylnaphthalene	3.353	142	189447	1462.449	ng/ml	100
15) 2-Chloronaphthalene	3.622	162	208433	1433.675	ng/ml	93
17) Acenaphthylene	3.851	152	374268	1628.285	ng/ml	100
19) Acenaphthene	3.949	153	232178	1521.379	ng/ml	96
21) Fluorene	4.239	166	277535	1624.020	ng/ml	100
25) Hexachlorobenzene	4.552	284	81198	1604.574	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
 Data File : 111706-3.D
 Acq On : 10 Sep 2025 01:40 pm
 Operator : SV125:dv
 Sample : WG2111706-3,32,,csn
 Misc : wg2113001,WG2111706,ical22616
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 21:16:51 2025
 Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Sep 10 11:36:46 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\250910RVT\ccv0910.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	4.664	266	48135	2342.198	ng/ml	99
27)	Phenanthrene	4.777	178	430520	1617.141	ng/ml	100
28)	Anthracene	4.806	178	433653	1707.489	ng/ml	100
29)	Fluoranthene	5.454	202	522895	1816.205	ng/ml	99
30)	Pyrene	5.581	202	532738	1802.846	ng/ml	100
34)	Benzo[a]anthracene	6.295	226	142834	1797.630	ng/ml	98
36)	Chrysene	6.317	228	458243	1746.836	ng/ml	100
39)	Benzo[b]fluoranthene	7.040	252	513249	1954.048	ng/ml	95
40)	Benzo[k]fluoranthene	7.063	252	445435	1673.566	ng/ml	95
41)	Benzo[a]pyrene	7.316	252	427155	1839.752	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.461	276	435796	1975.430	ng/ml	98
43)	Dibenzo[a,h]anthracene	8.499	278	394032M6	1801.442	ng/ml	
44)	Benzo[g,h,i]perylene	8.769	276	420135	1847.369	ng/ml	98

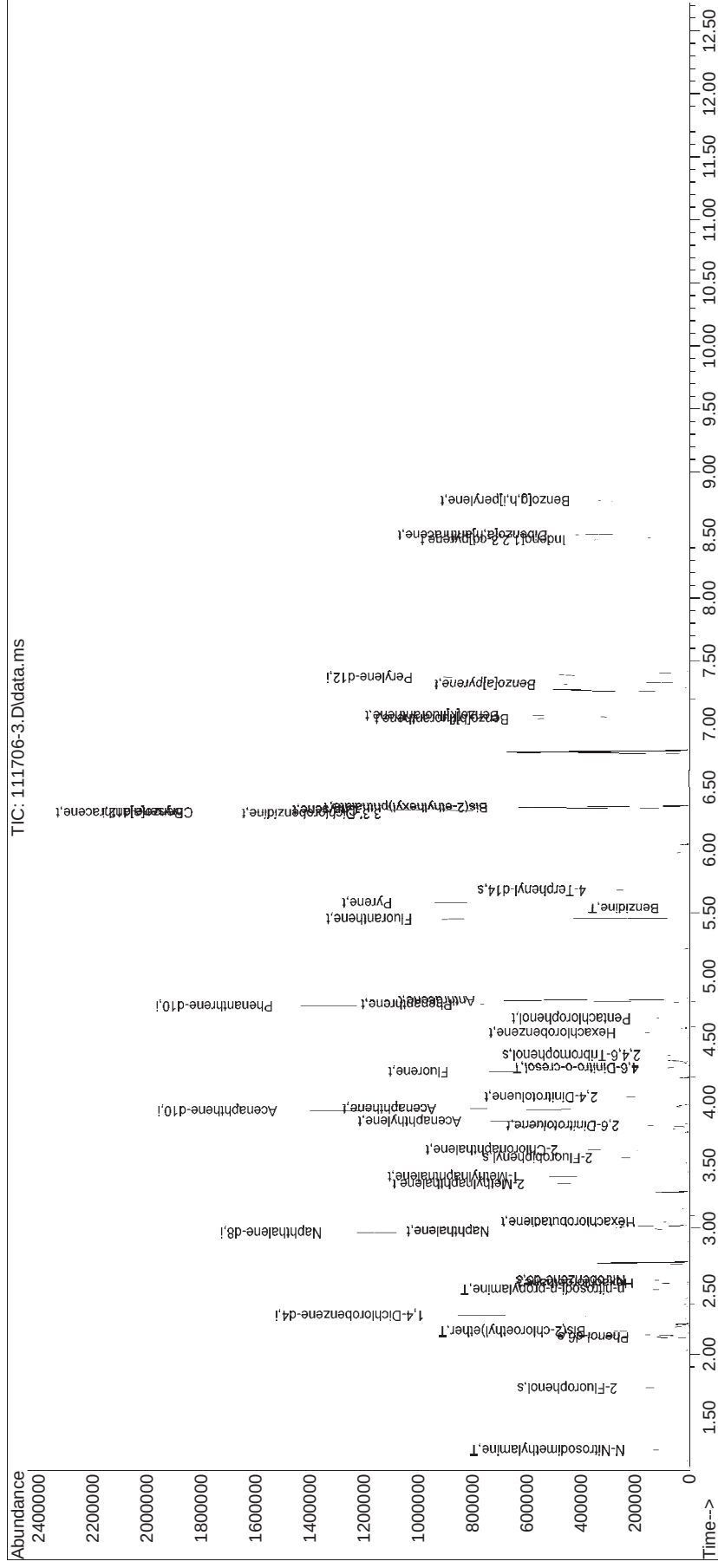
(#) = qualifier out of range (m) = manual integration (+) = signals summed

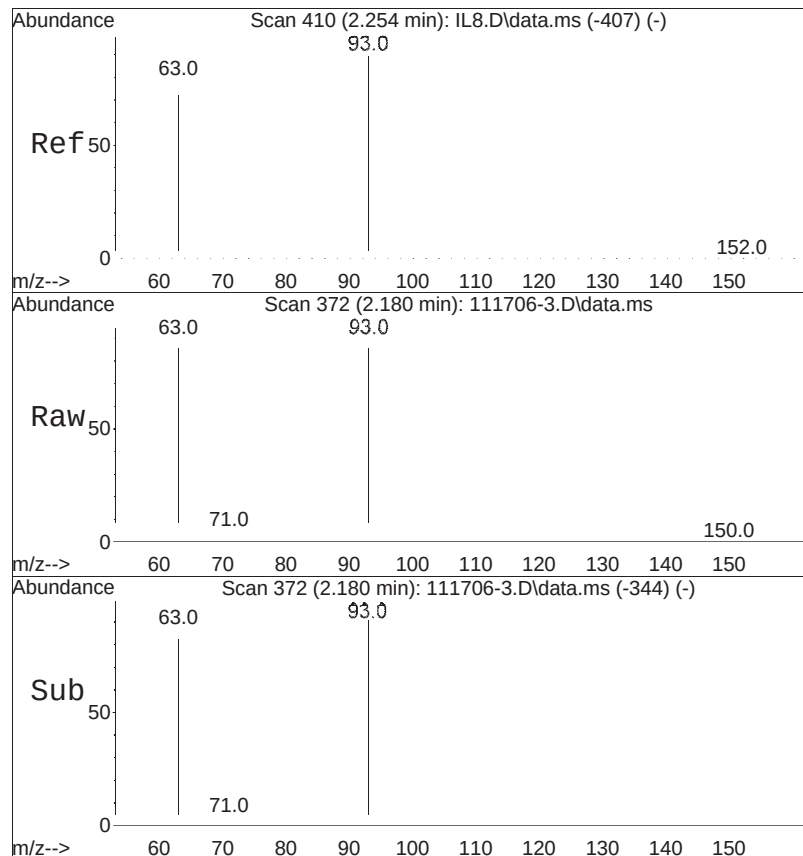
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\250910RVT\
Data File : 111706-3.D
Acq On : 10 Sep 2025 01:40 pm
Operator : SV125:dv
Sample : WG2111706-3,32,,csn
Misc : wg2113001,WG2111706,ical22616
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 21:16:51 2025
Quant Method : I:\8270sim\SV125\250910RVT\SIM-RVT_250908_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
Qlast Update : Wed Sep 10 11:36:46 2025
Response via : Initial Calibration

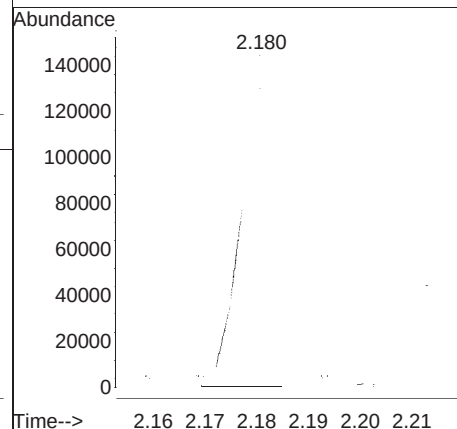
Sub List : DEFAULT - All compounds listed\ccv0910.D•

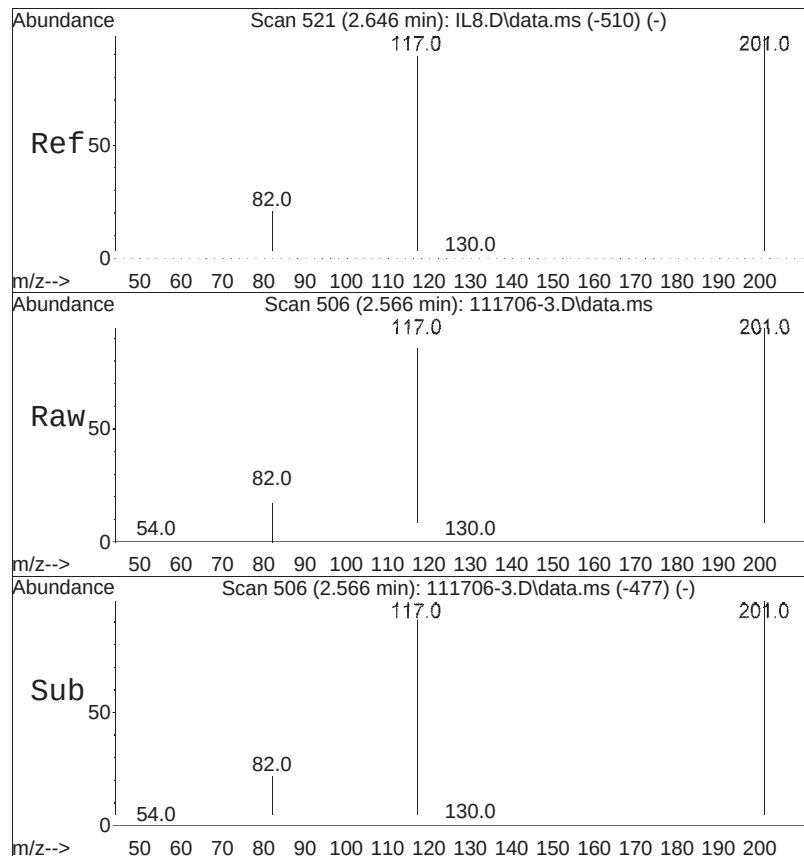




#5
 Bis(2-chloroethyl)ether
 Concen: 1573.35 ng/ml
 RT: 2.180 min Scan# 372
 Delta R.T. -0.003 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

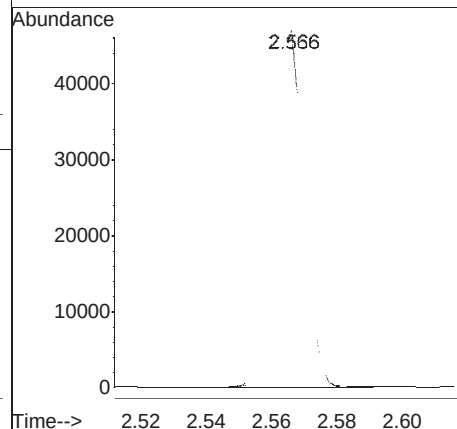
Tgt	Ion	Ratio	Lower	Upper
93	100			
63	87.2	68.6	103.0	

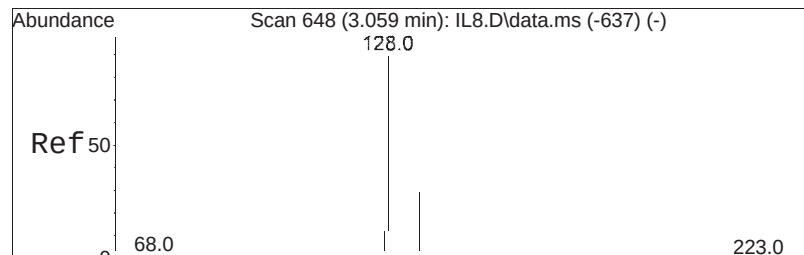




#7
 Hexachloroethane
 Concen: 1155.17 ng/ml
 RT: 2.566 min Scan# 506
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

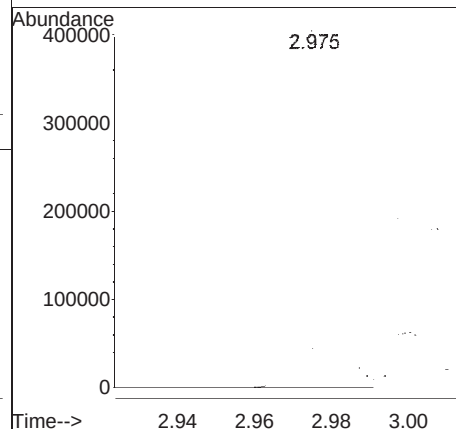
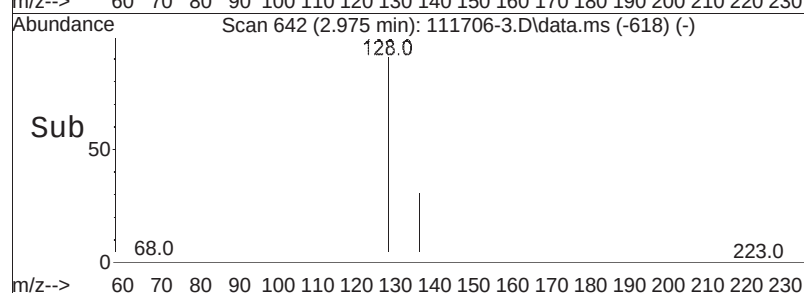
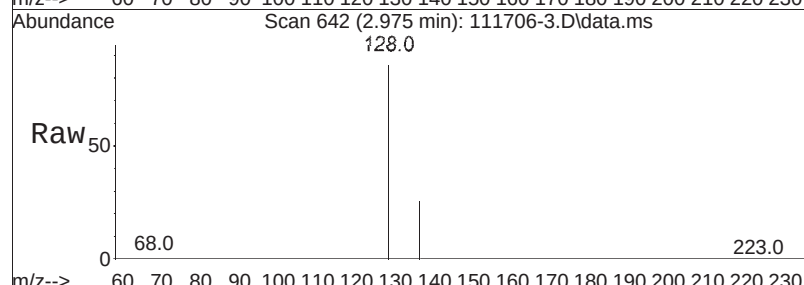
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30688		
201	98.4		80.2	120.2

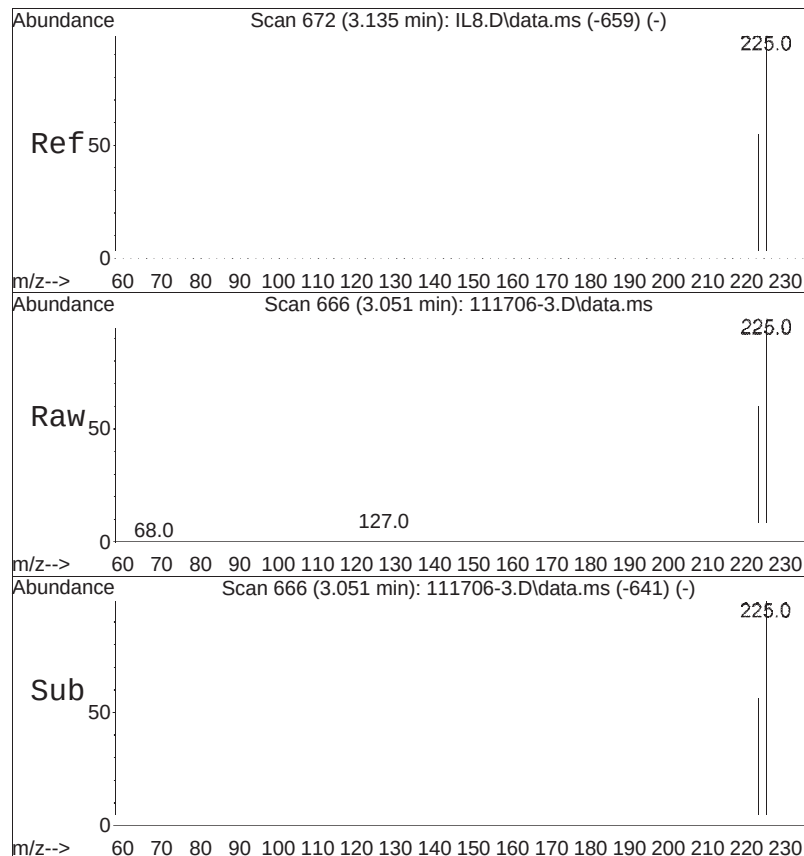




#10
Naphthalene
Concen: 1336.93 ng/ml
RT: 2.975 min Scan# 642
Delta R.T. -0.003 min
Lab File: 111706-3.D
Acq: 10 Sep 2025 01:40 pm

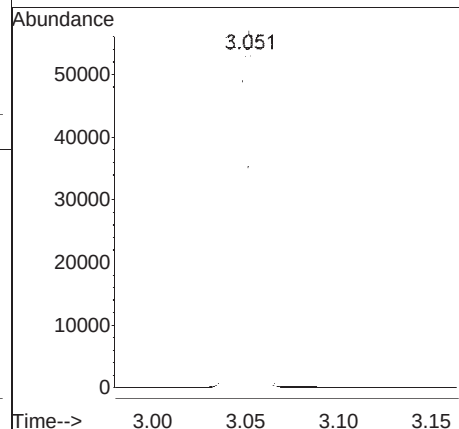
Tgt	Ion	Ratio	Resp	Lower	Upper
128	100		296737		
129	11.4		8.8	13.2	
127	13.4		10.6	15.8	

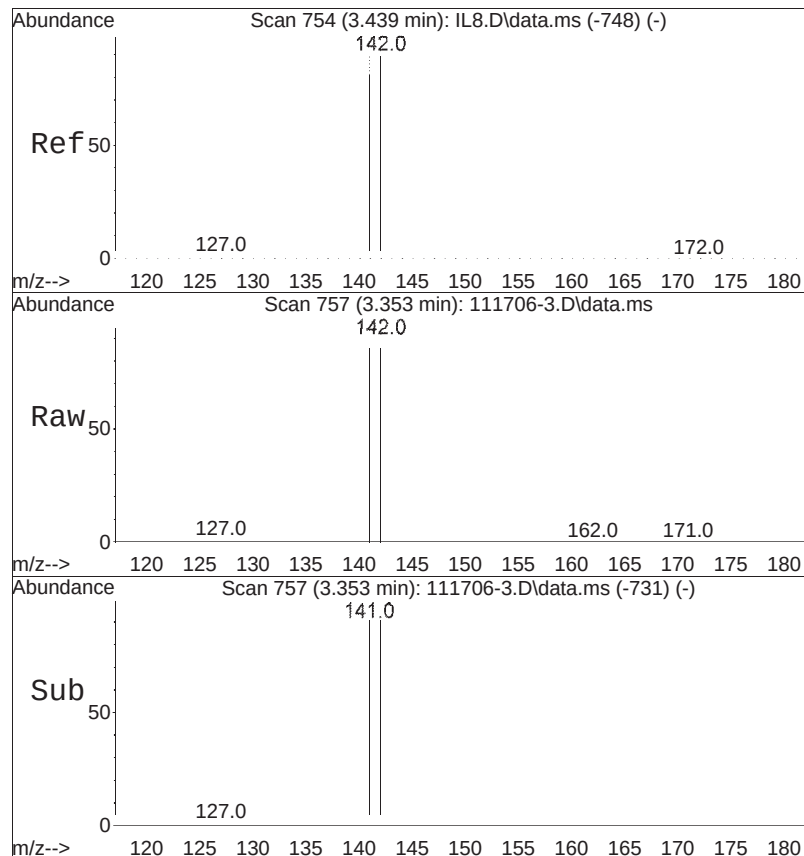




#11
 Hexachlorobutadiene
 Concen: 1117.59 ng/ml
 RT: 3.051 min Scan# 666
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

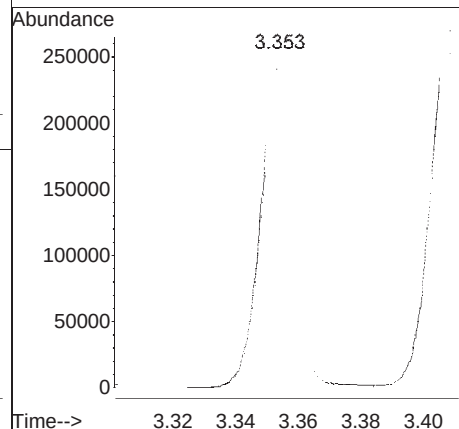
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8

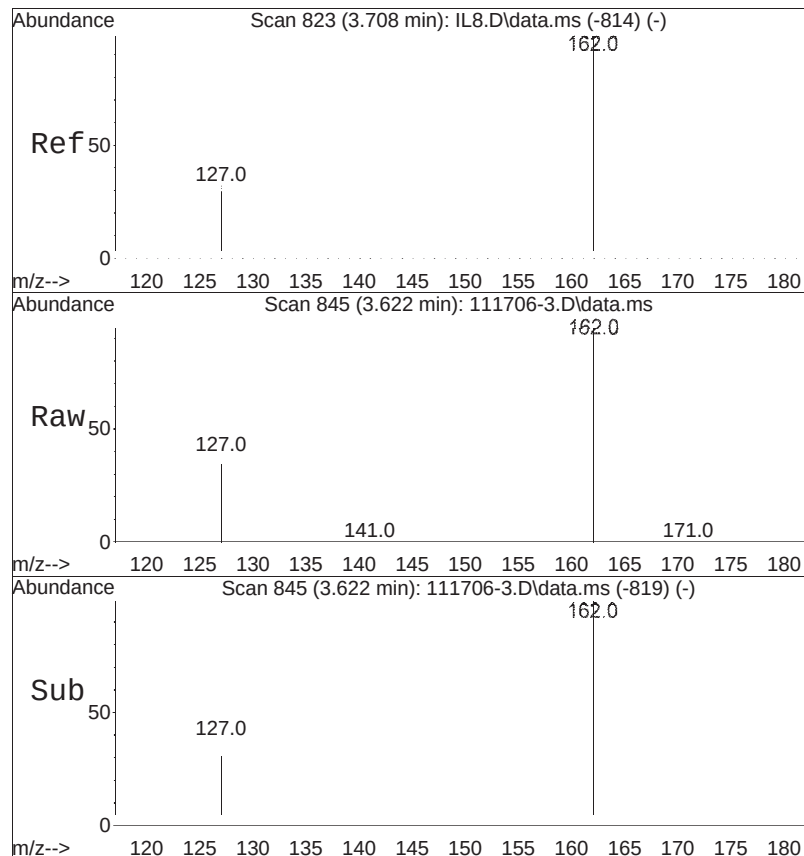




#12
 2-Methylnaphthalene
 Concen: 1462.45 ng/ml
 RT: 3.353 min Scan# 757
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

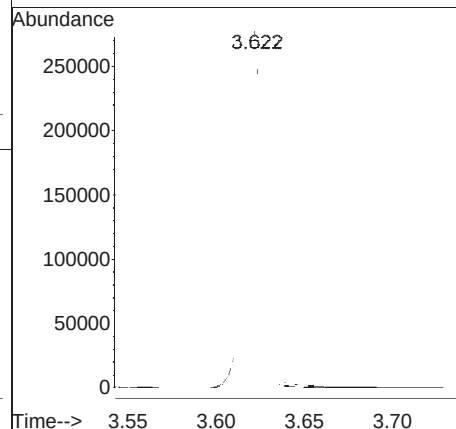
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.2	111.4

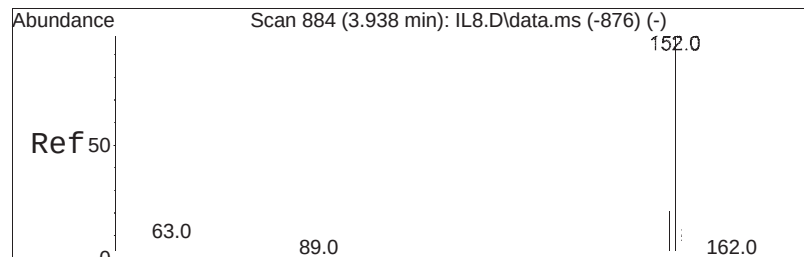




#15
 2-Chloronaphthalene
 Concen: 1433.68 ng/ml
 RT: 3.622 min Scan# 845
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.9	30.0	45.0





#17

Acenaphthylene

Concen: 1628.28 ng/ml

RT: 3.851 min Scan# 915

Delta R.T. 0.000 min

Lab File: 111706-3.D

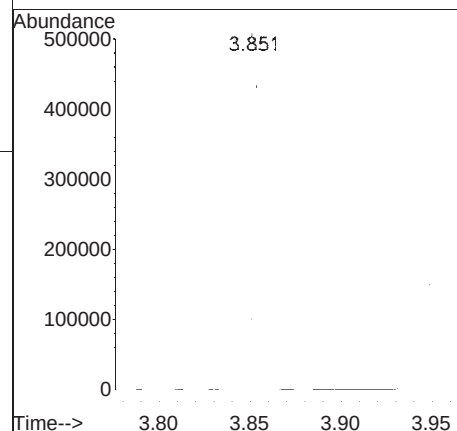
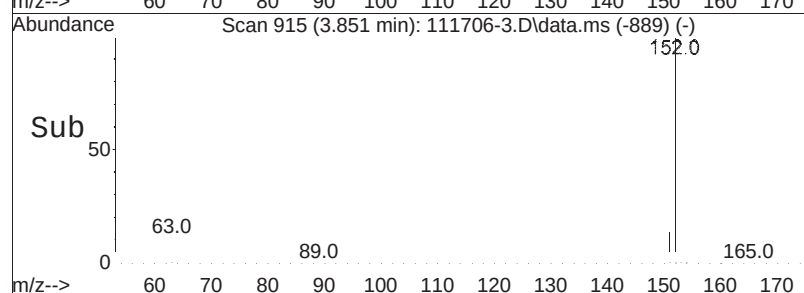
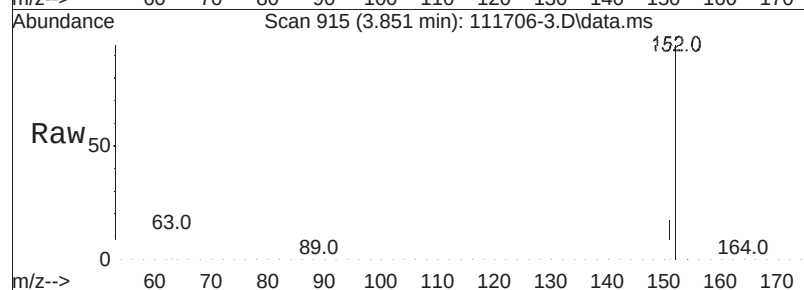
Acq: 10 Sep 2025 01:40 pm

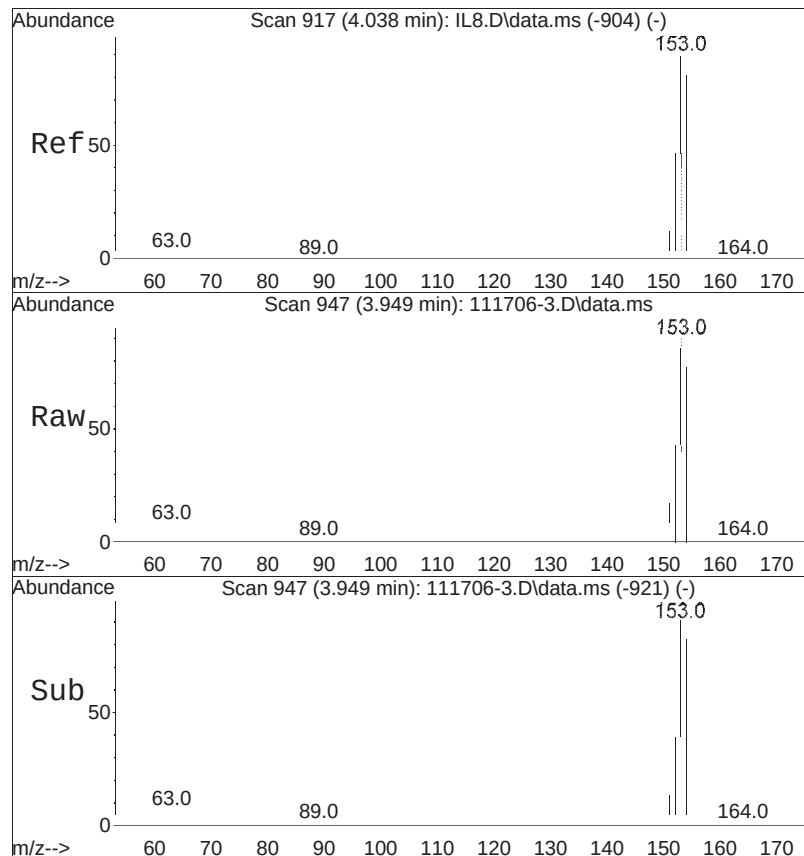
Tgt Ion:152 Resp: 374268

Ion Ratio Lower Upper

152 100

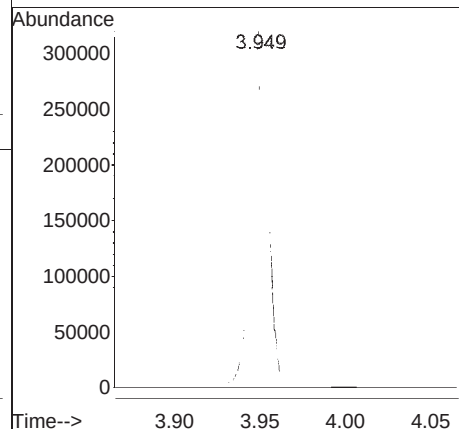
151 20.1 16.1 24.1

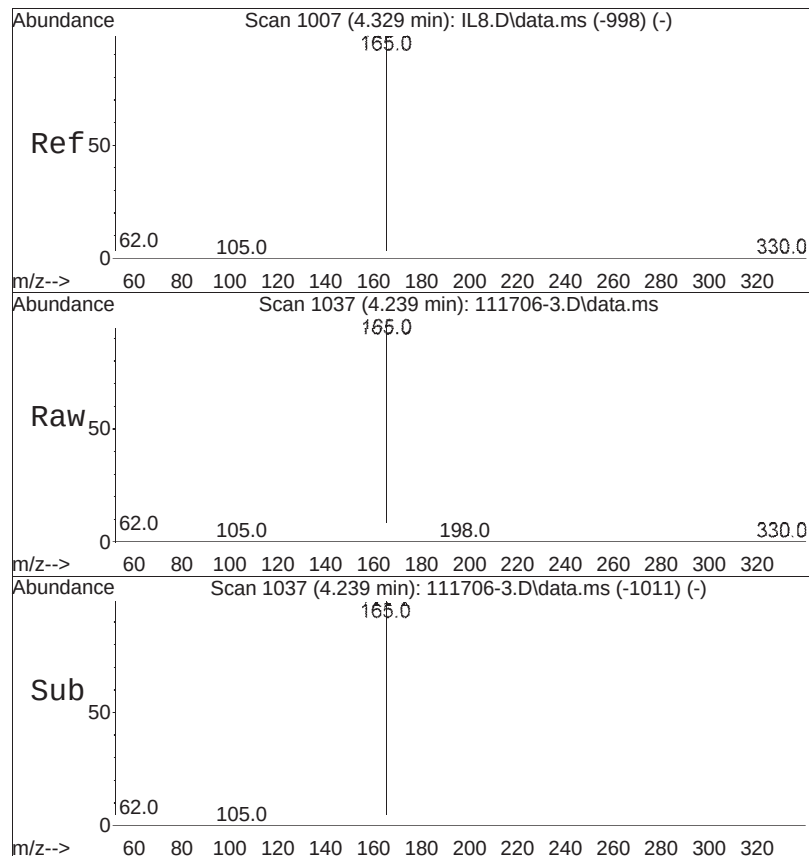




#19
 Acenaphthene
 Concen: 1521.38 ng/ml
 RT: 3.949 min Scan# 947
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

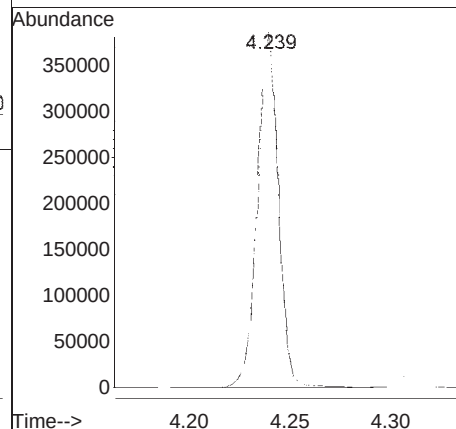
Tgt Ion	Ratio	Lower	Upper
153	100		
154	86.4	72.2	108.4

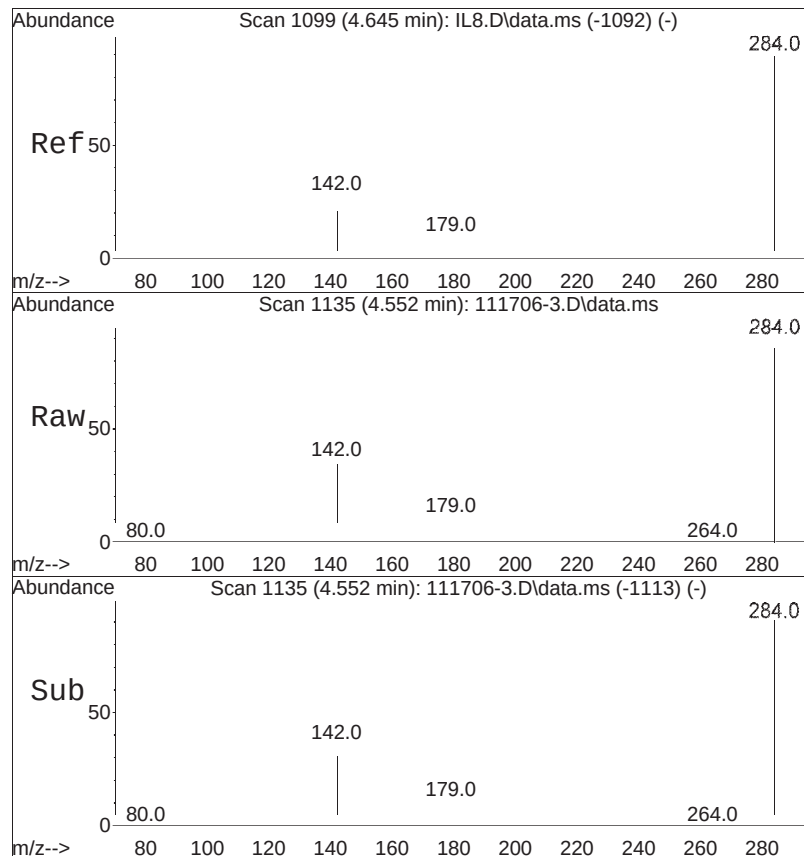




#21
 Fluorene
 Concen: 1624.02 ng/ml
 RT: 4.239 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

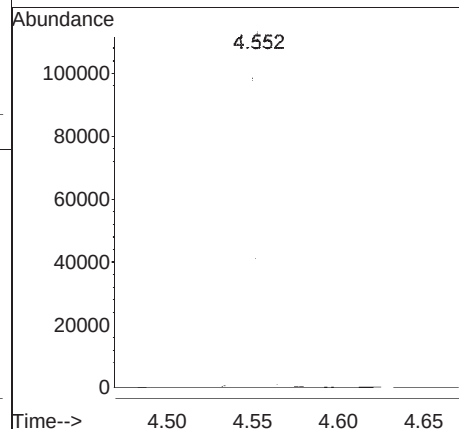
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	277535		
165	101.9		81.5	122.3

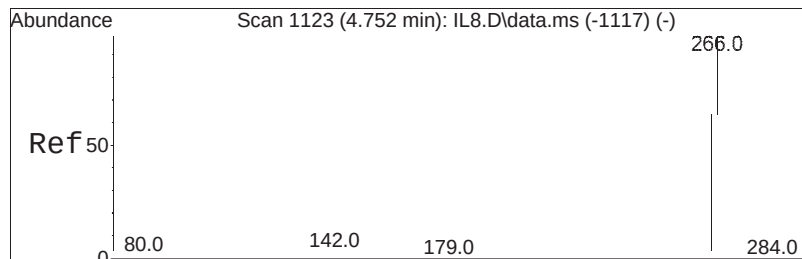




#25
 Hexachlorobenzene
 Concen: 1604.57 ng/ml
 RT: 4.552 min Scan# 1135
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

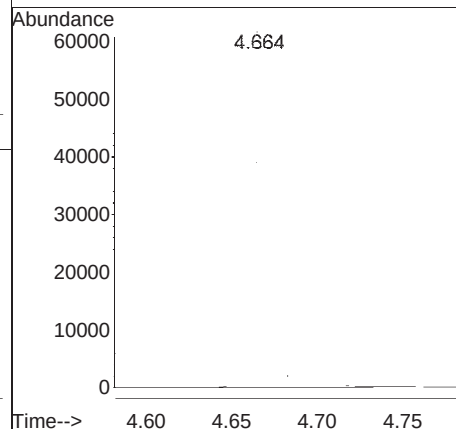
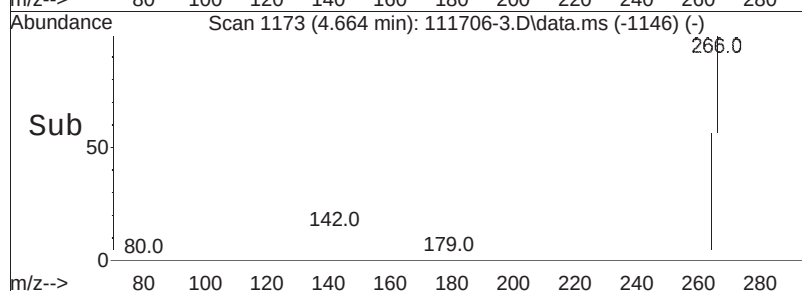
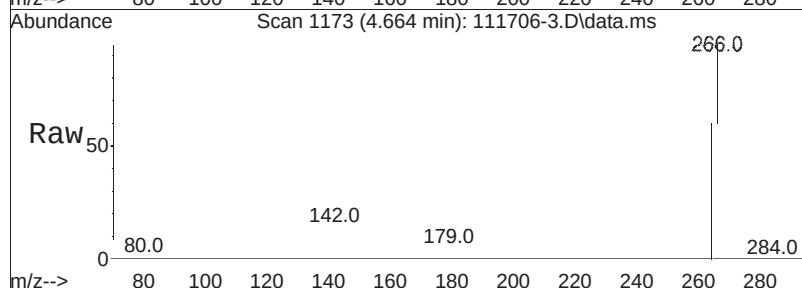
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.1	29.4	44.2

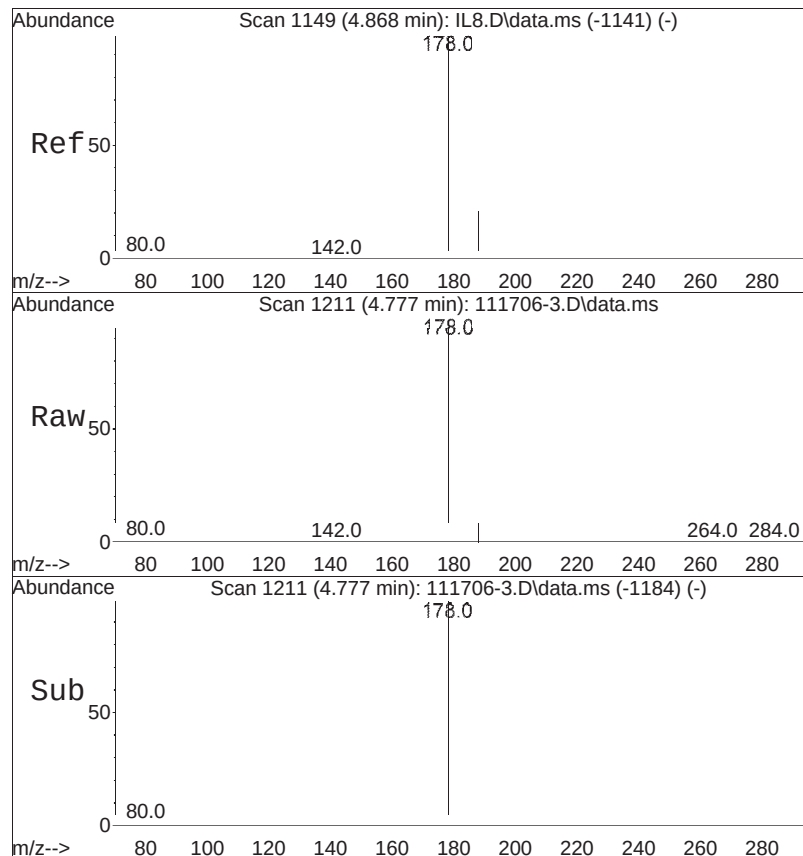




#26
 Pentachlorophenol
 Concen: 2342.20 ng/ml
 RT: 4.664 min Scan# 1173
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

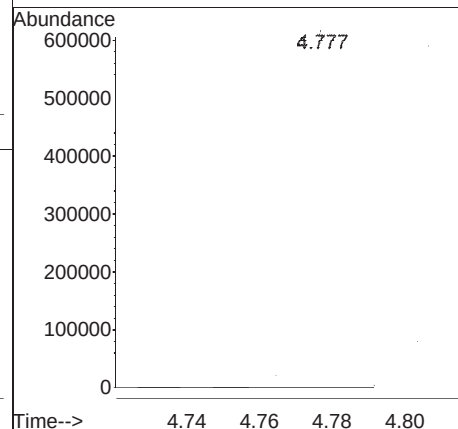
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.1	49.9	74.9

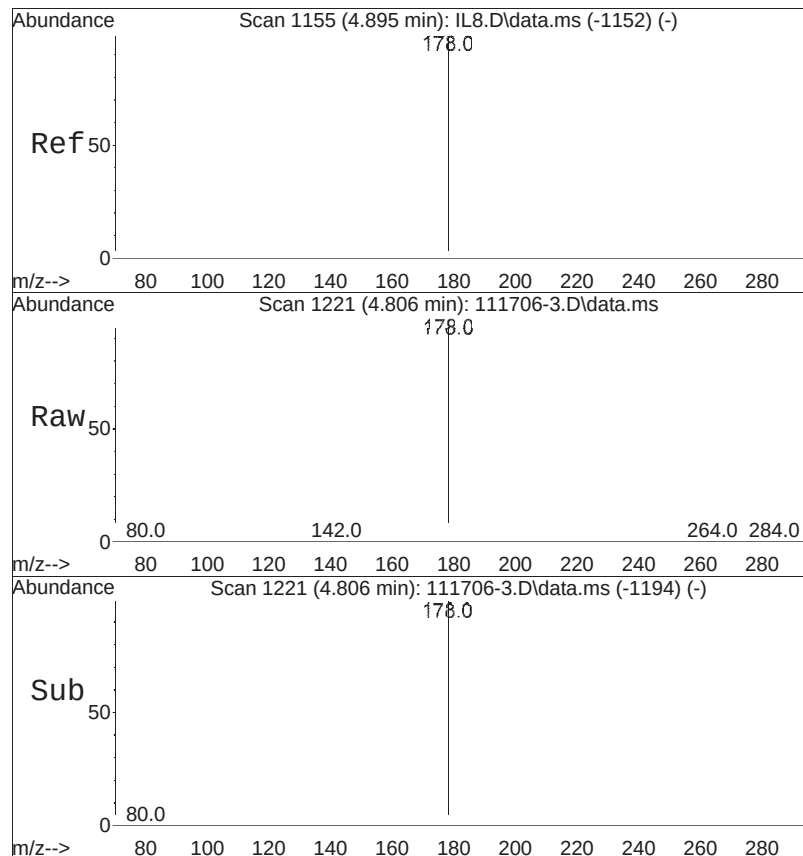




#27
 Phenanthrene
 Concen: 1617.14 ng/ml
 RT: 4.777 min Scan# 1211
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

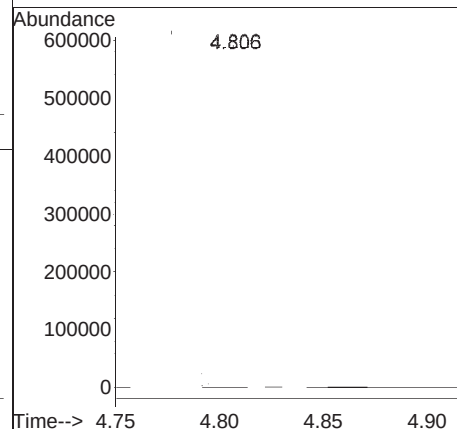
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7

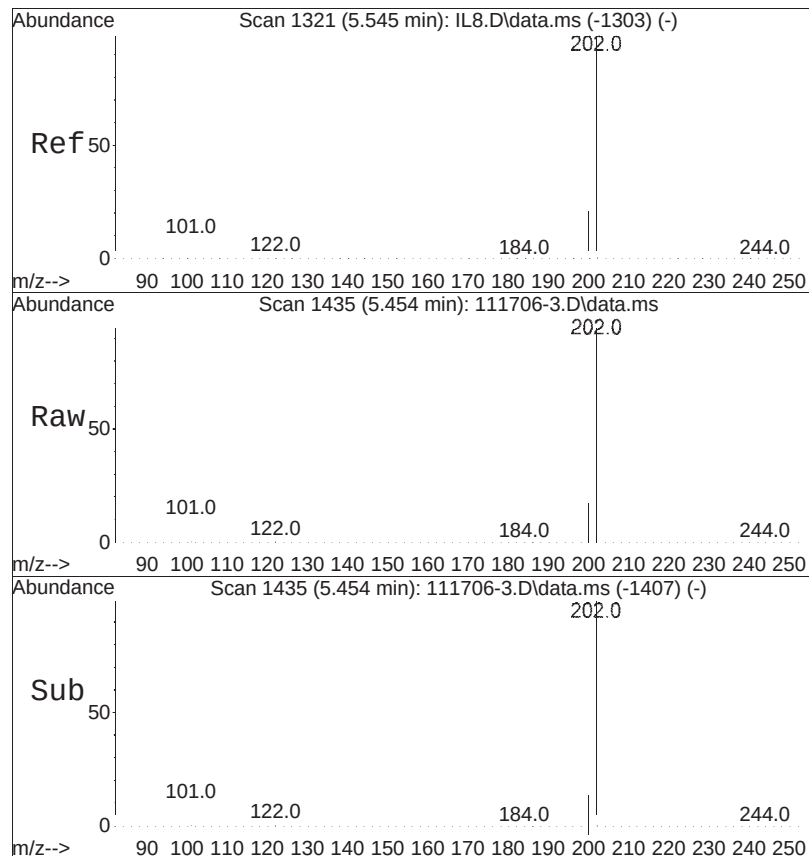




#28
 Anthracene
 Concen: 1707.49 ng/ml
 RT: 4.806 min Scan# 1221
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

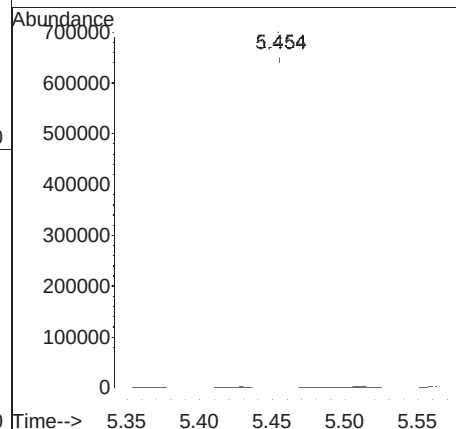
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

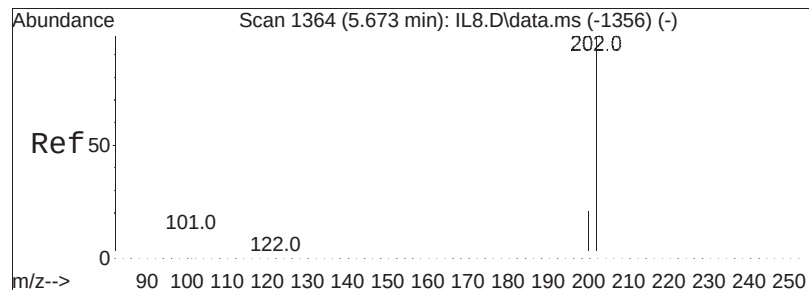




#29
 Fluoranthene
 Concen: 1816.21 ng/ml
 RT: 5.454 min Scan# 1435
 Delta R.T. 0.003 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

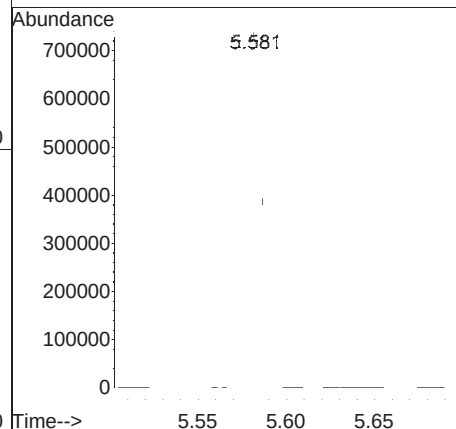
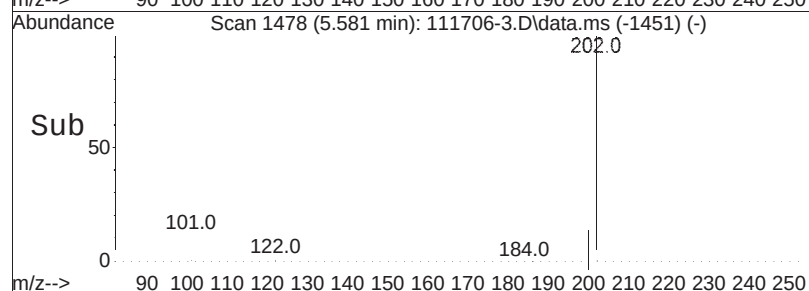
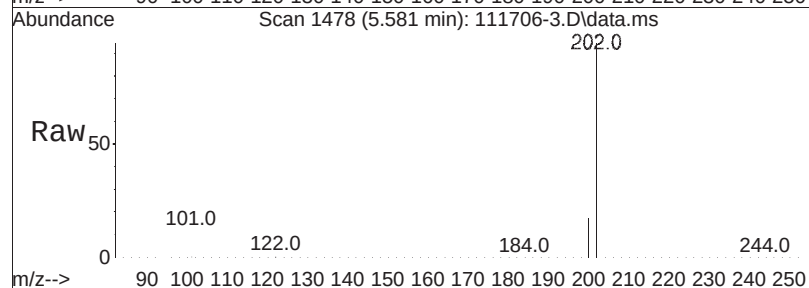
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	522895		
101	10.6		8.3	12.5

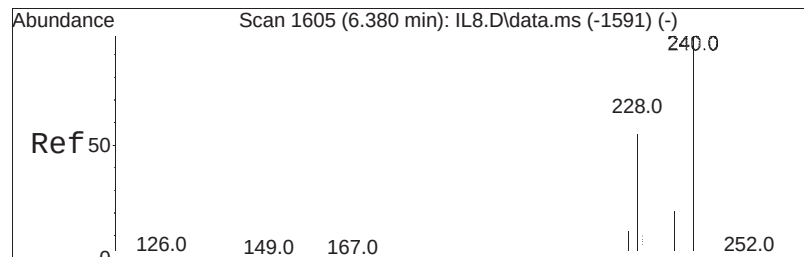




#30
 Pyrene
 Concen: 1802.85 ng/ml
 RT: 5.581 min Scan# 1478
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2





#34

Benzo[a]anthracene

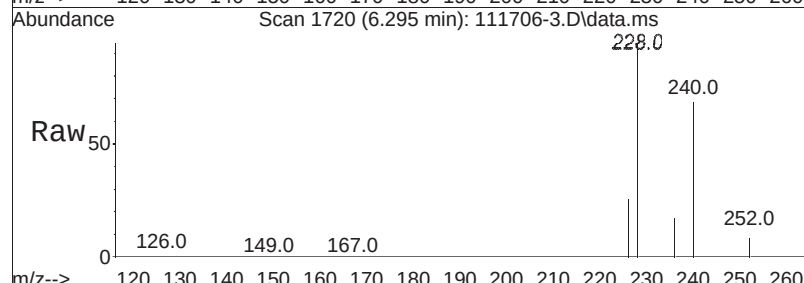
Concen: 1797.63 ng/ml

RT: 6.295 min Scan# 1720

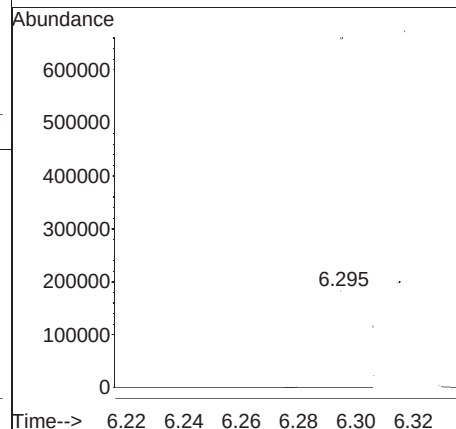
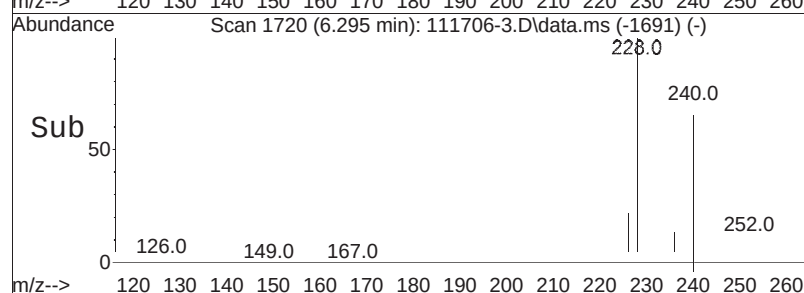
Delta R.T. 0.000 min

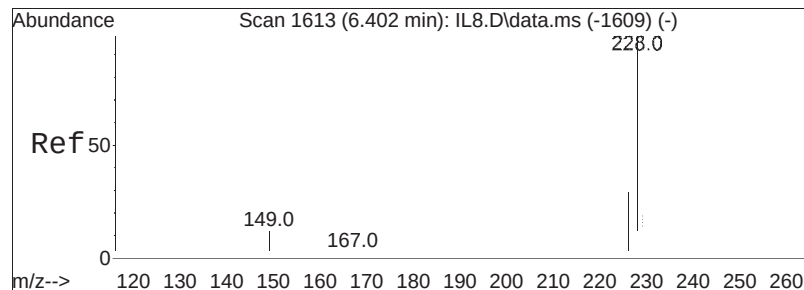
Lab File: 111706-3.D

Acq: 10 Sep 2025 01:40 pm



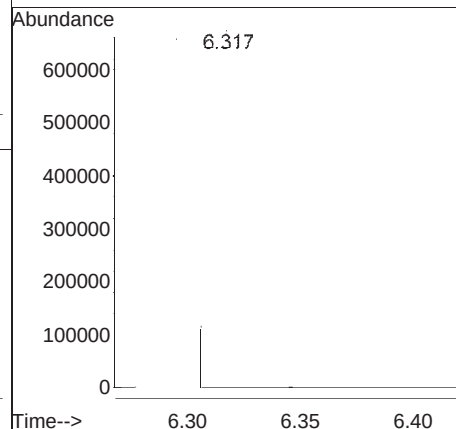
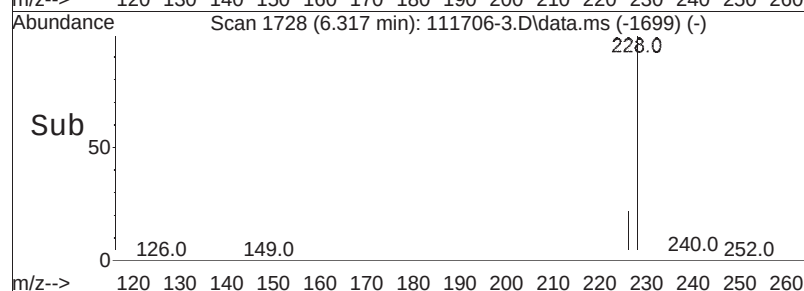
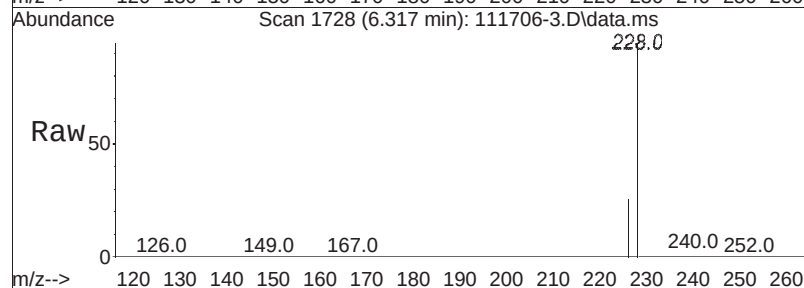
Tgt Ion:	226	Resp:	142834
Ion Ratio	Lower	Upper	
226	100		
229	69.7	56.4	84.6
228	355.1	287.5	431.3
229	69.7	56.4	84.6

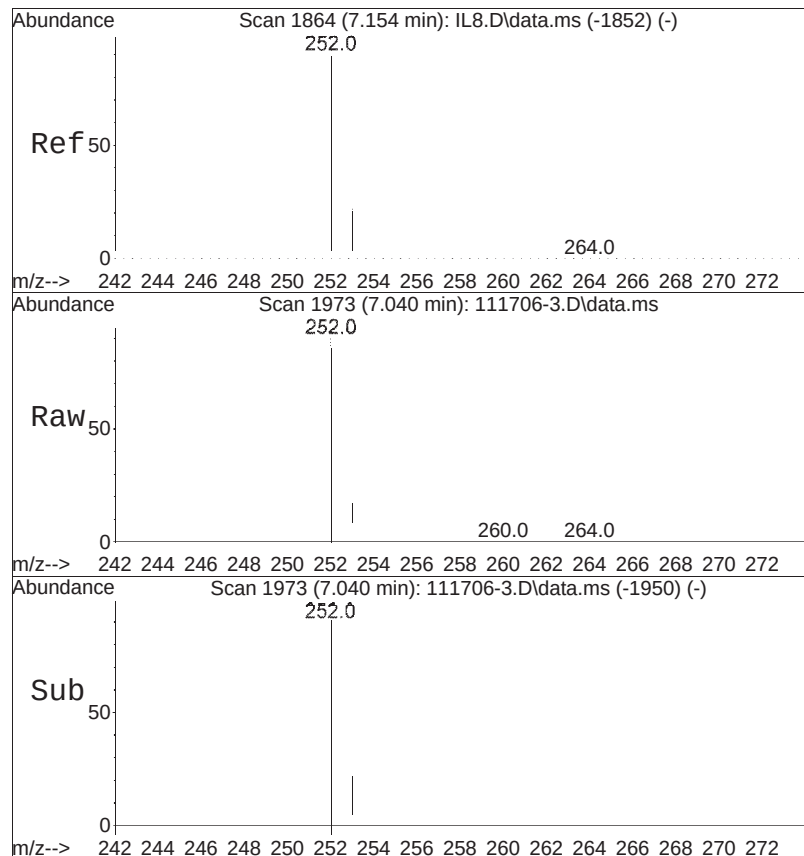




#36
 Chrysene
 Concen: 1746.84 ng/ml
 RT: 6.317 min Scan# 1728
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

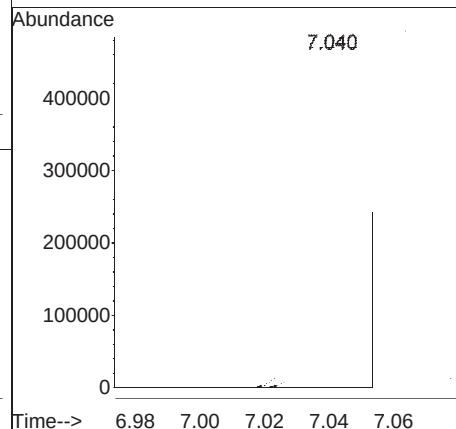
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5

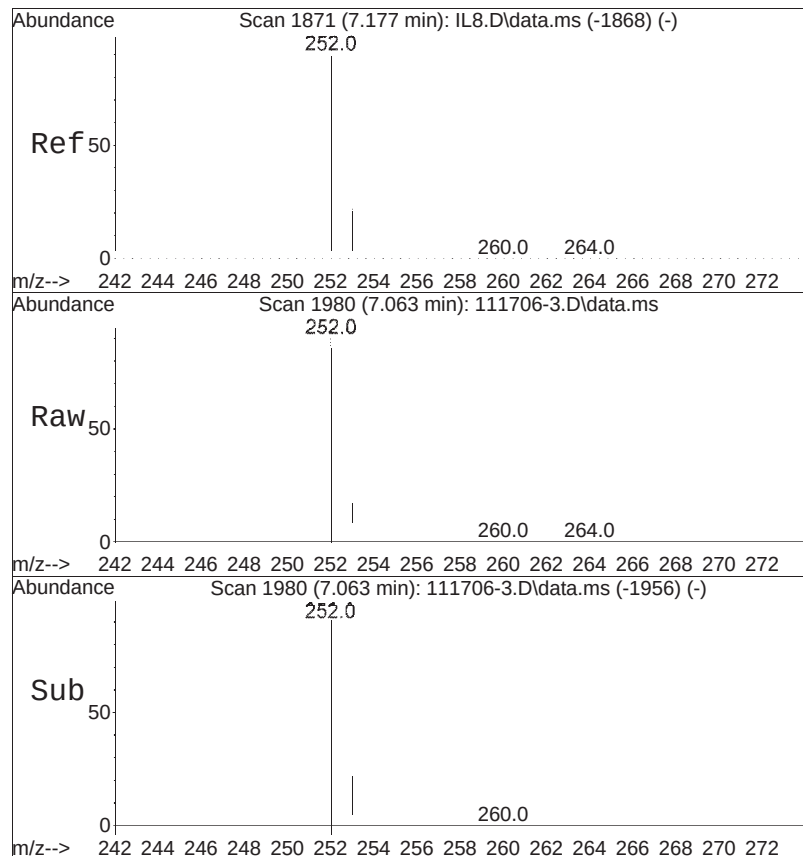




#39
 Benzo[b]fluoranthene
 Concen: 1954.05 ng/ml
 RT: 7.040 min Scan# 1973
 Delta R.T. -0.003 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

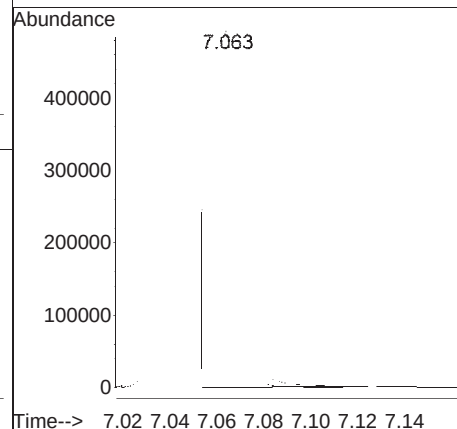
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	19.2	28.8

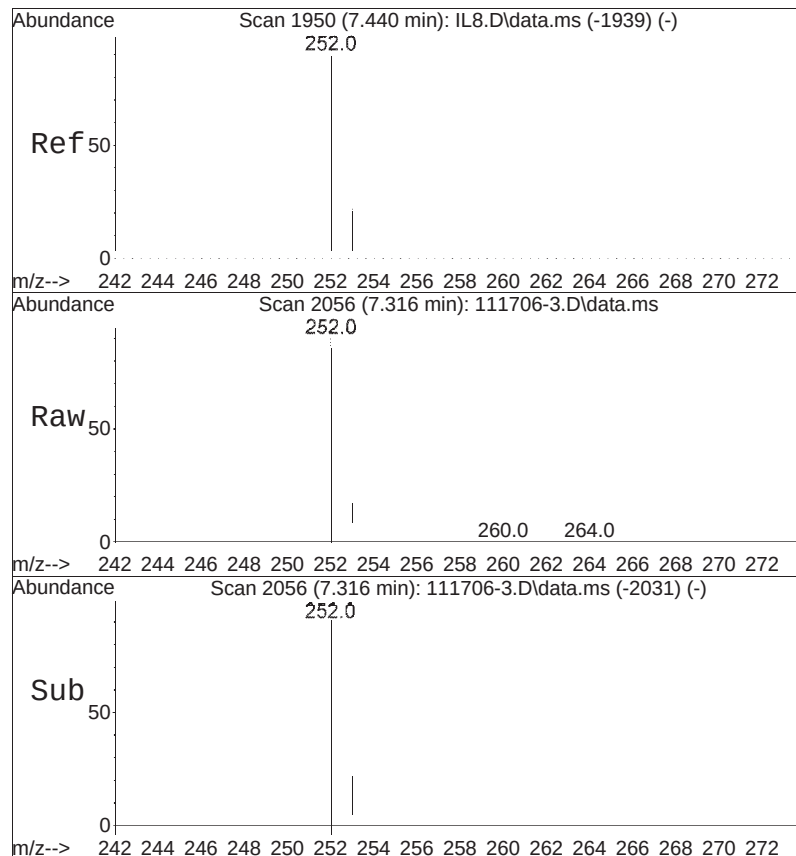




#40
 Benzo[k]fluoranthene
 Concen: 1673.57 ng/ml
 RT: 7.063 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

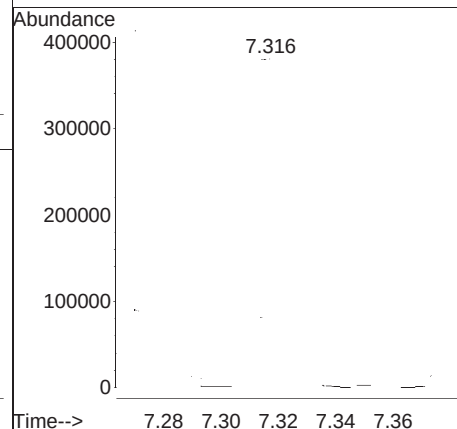
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	15.8	23.8

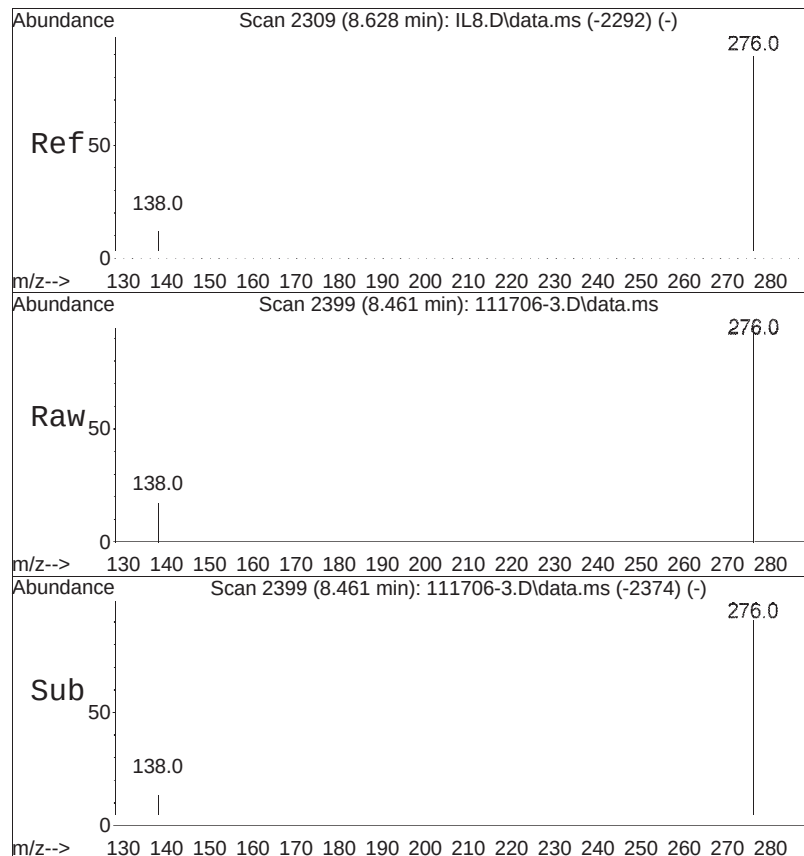




#41
 Benzo[a]pyrene
 Concen: 1839.75 ng/ml
 RT: 7.316 min Scan# 2056
 Delta R.T. 0.003 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

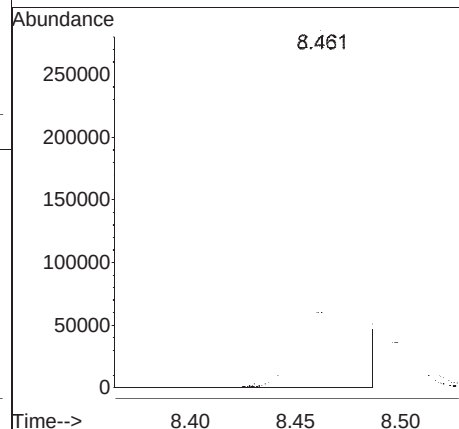
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.7	17.4	26.0	

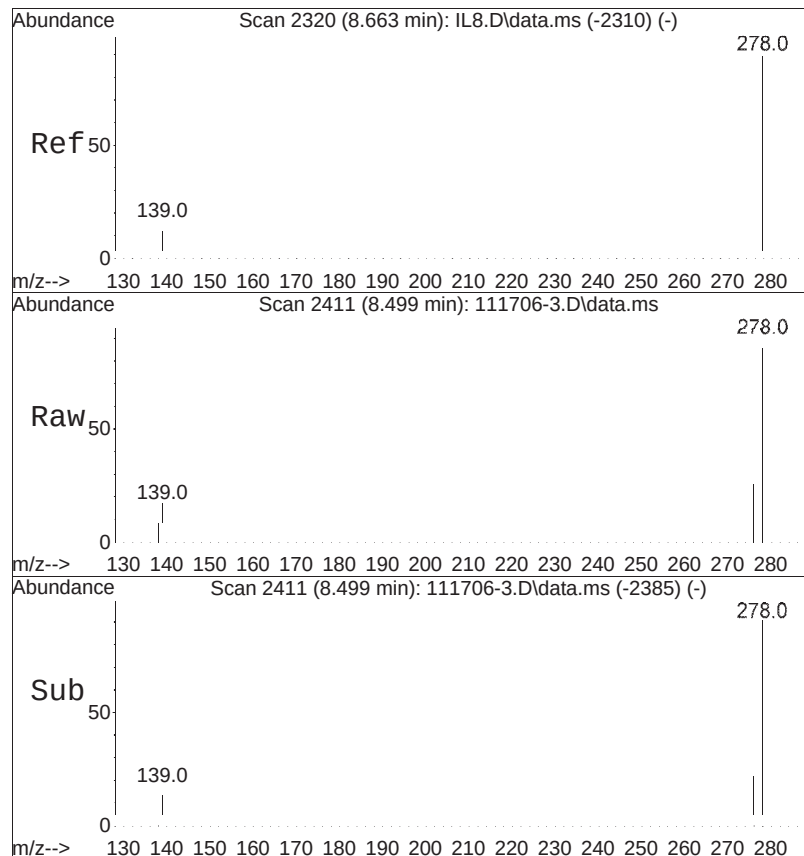




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1975.43 ng/ml
 RT: 8.461 min Scan# 2399
 Delta R.T. -0.003 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

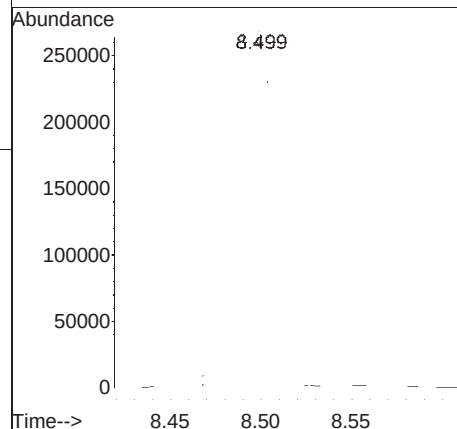
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	15.9	23.9

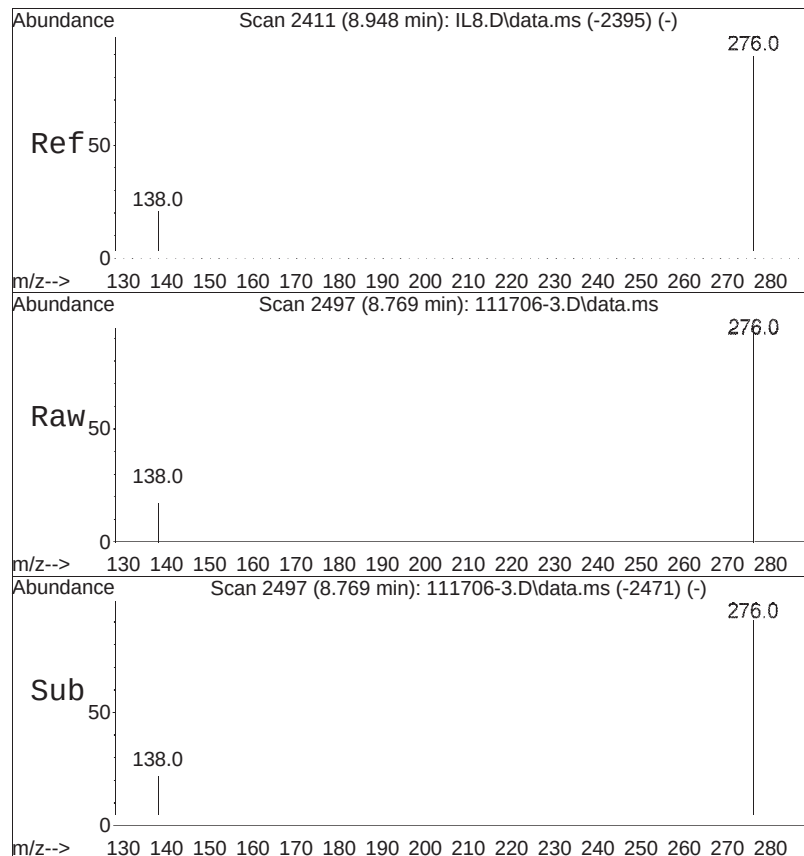




#43
 Dibenzo[a,h]anthracene
 Concen: 1801.44 ng/ml M6
 RT: 8.499 min Scan# 2411
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

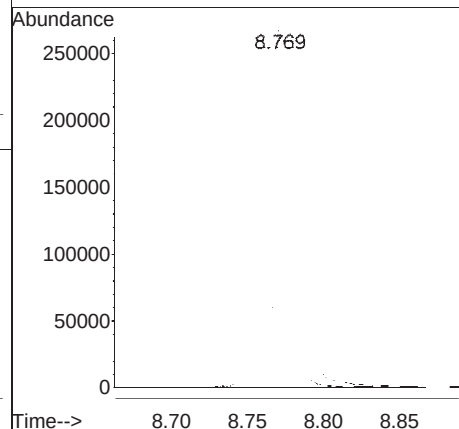
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	13.8	20.8





#44
 Benzo[g,h,i]perylene
 Concen: 1847.37 ng/ml
 RT: 8.769 min Scan# 2497
 Delta R.T. 0.000 min
 Lab File: 111706-3.D
 Acq: 10 Sep 2025 01:40 pm

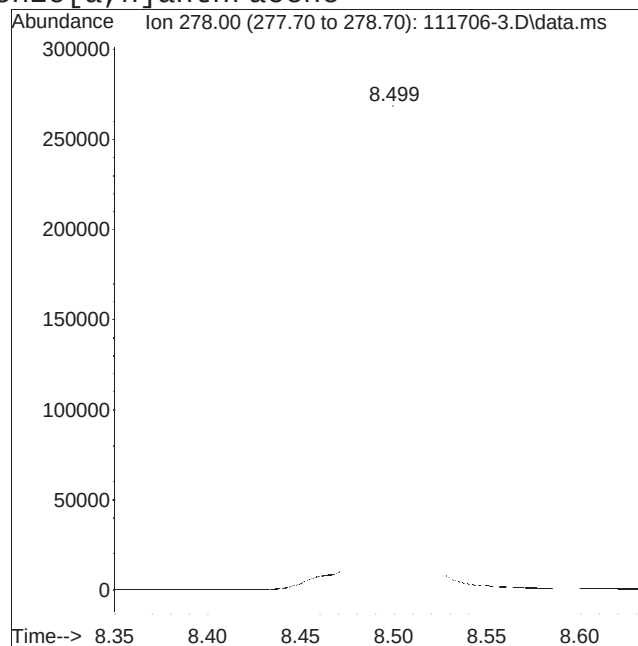
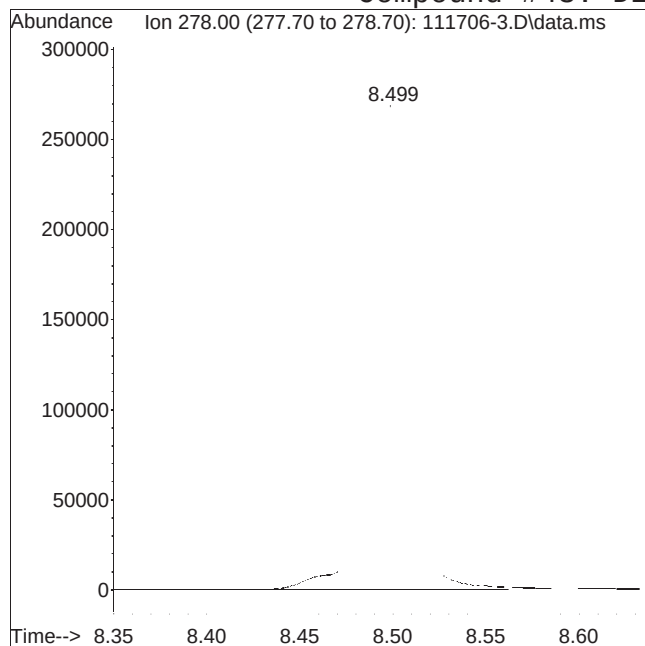
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.1	27.1



Manual Integration Report

Data Path : I:\8270SIM\SV125\250910RVT\
Data File : 111706-3.D Operator : SV125:dv
Date Inj'd : 9/10/2025 1:40 pm Instrument : SV125
Sample : WG2111706-3,32,,csn Quant Date : 9/10/2025 1:57 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 411519

Manual Peak Response = 394032 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * 1000 * (1/V_o) * V_f$

Where:

DF = Dilution Factor

V_o = Volume of Sample (mL)

V_f = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $Amt * DF * 1000 * (1/W_t) * V_f * (100/TS)$

Where:

DF = Dilution Factor

W_t = Weight of Sample (g)

V_f = Extraction Lab Final Volume (mL)

TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Sep 11 2025, 09:17 am

Work Group: WG2111706 for Department: 2 Organic Preparation

Created: 07-SEP-25 Due: Operator: RSN

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2555938-01	MW-13S	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
L2555938-02	MW-13D	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
L2555938-03	MW-10S	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
L2555938-04	MW-10D	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
L2555938-05	SCDOH-DR	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
WG2111706-1	Laboratory Method Bl	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2111706-2	Laboratory Control S	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2111706-3	LCS Duplicate	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
Comments:									
WG2111706-3	WG2111706-2								

Analysis log File

Total Files Reported in Log : 13

Log Generated From Directory: I:\8270SIM\SV125\250908RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune.D	DFTPP(100ml)	TUNE #11473	WG2112310,,	9/8/2025 6:17 pm
2	IL10.D	SIM-RVT.M	IL10,32,,5 Lot# 11697	WG2112310,,	9/8/2025 7:01 pm
3	IL9.D	SIM-RVT.M	IL9,32,,2.5 Lot# 11699	WG2112310,,	9/8/2025 7:17 pm
4	IL8.D	SIM-RVT.M	IL8,32,,1 Lot# 11700	WG2112310,,	9/8/2025 7:34 pm
5	IL7.D	SIM-RVT.M	IL7,32,,0.5 Lot# 11701	WG2112310,,	9/8/2025 7:51 pm
6	IL6.D	SIM-RVT.M	IL6,32,,0.1 Lot# 11702	WG2112310,,	9/8/2025 8:07 pm
7	IL5.D	SIM-RVT.M	IL5,32,,0.04 Lot# 11703	WG2112310,,	9/8/2025 8:24 pm
8	IL4.D	SIM-RVT.M	IL4,32,,0.01 Lot# 11704	WG2112310,,	9/8/2025 8:41 pm
9	IL3.D	SIM-RVT.M	IL3,32,,0.005 Lot# 1170	WG2112310,,	9/8/2025 8:58 pm
10	IL2.D	SIM-RVT.M	IL2,32,,0.002 Lot# 1170	WG2112310,,	9/8/2025 9:14 pm
11	IL1.D	SIM-RVT.M	IL1,32,,0.001 Lot# 1170	WG2112310,,	9/8/2025 9:31 pm
13	insblk.D	SIM-RVT.M	Instrument Blank	WG2112310	9/8/2025 10:05 pm

Dep.: GCMS
 Inst: SV125
 Date: 09/10/25
 Run:

Method
 GC: SIM RVT
 Seq: WG2113001
 ICAL: 22616



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0910	wg-1,32,,SV125 lot#11857				
48	deg0910a	wg-1,32,,SV125 lot#11857				09/10 DV
49	ccv0910	wg-3,32,,ICV 11696 (0829e)				09/10 DV
50	blk0910	Instrument Blank				
1	112637-2	WG2112637-2,32,,RE,csn				
2	112637-3	WG2112637-3,32,,RE,csn				
3	112637-1	WG2112637-1,32,,RE,csn				
4	56139-01	L2556139-01,32,,R3B,RE,csn				
5	56139-04	L2556139-04,32,,R3B,RE,csn				
6	111706-2	WG2111706-2,32,,csn				09/10 DV
7	111706-3	WG2111706-3,32,,csn				09/10 DV
8	111706-1	WG2111706-1,32,,csn				09/10 DV
9	55938-01	L2555938-01,32,,csn				09/10 DV
10	55938-02	L2555938-02,32,,csn				09/10 DV
11	55938-03	L2555938-03,32,,csn				09/10 DV
12	55938-04	L2555938-04,32,,csn				09/10 DV
13	55938-05	L2555938-05,32,,csn				09/10 DV
14	54270-01	L2554270-01,32,,csn				09/10 DV
15	54270-02	L2554270-02,32,,csn				09/10 DV
16	54270-03	L2554270-03,32,,csn				09/10 DV
17	54270-04	L2554270-04,32,,csn				09/10 DV
18	54270-05	L2554270-05,32,,csn				09/10 DV
19	56326-01	L2556326-01,32,,csn				
20	56341-02	L2556341-02,32,,csn				
21	56341-04	L2556341-04,32,,csn				
22	56341-05	L2556341-05,32,,csn				
23	55678-01	L2555678-01,32,,csn				
24	55678-02	L2555678-02,32,,csn				
25	55678-03	L2555678-03,32,,csn				
26	55678-05	L2555678-05,32,,csn			Sv-dv	
27	111594-4	WG2111594-4,32,,RE,csn				
28	111594-5	WG2111594-5,32,,RE,csn				
29	111809-2	WG2111809-2,32,,csn				
30	111809-3	WG2111809-3,32,,csn				
31	111809-1	WG2111809-1,32,,csn				
32	55564-01	L2555564-01,32,,csn				
33	55564-02	L2555564-02,32,,csn				
34	54946-01	L2554946-01,32,,csn				
35	54946-02	L2554946-02,32,,csn				
36	54946-03	L2554946-03,32,,csn				
37	54947-01	L2554947-01,32,,csn				
38	54947-02	L2554947-02,32,,csn				
39	54947-03	L2554947-03,32,,csn			csn	



ORGANIC ELN REPORT

Workgroup: WG2111706

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN-SIM Spike Verify by: RSN Lims Spikelot: 8270-RVT Additional Reagents/Std	Lot #: EK611 Lot #: 11819aj,01/30/2026,2r,7,1 Lot #: 11808AG-113025, 11818AO-0		Conc.Method: Buchi Solvent Type: DCM Lot #: EK611		Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std
	H2SO4		A062825		
	Na2SO4		244434		
	NaOH		10NNaOH070625		

Sample/ Type	Extraction					Concentration				
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2555938-01 SAMP	09/07/25 15:40	Richard Nyarko	100	<2, >12	.1		09/07/25 21:49	Katherine Gately	1	G
L2555938-02 SAMP	09/07/25 15:40	Richard Nyarko	100	<2, >12	.1		09/07/25 21:49	Katherine Gately	1	G
L2555938-03 SAMP	09/07/25 15:40	Richard Nyarko	100	<2, >12	.1		09/07/25 21:49	Katherine Gately	1	G
L2555938-04 SAMP	09/07/25 15:40	Richard Nyarko	100	<2, >12	.1		09/07/25 21:49	Katherine Gately	1	G
L2555938-05 SAMP	09/07/25 15:40	Richard Nyarko	100	<2, >12	.1		09/07/25 21:49	Katherine Gately	1	G
WG2111706-1 BLANK	09/07/25 15:40	Richard Nyarko	100	<2, >12	.1		09/07/25 21:49	Katherine Gately	1	G
WG2111706-2 LCS	09/07/25 15:40	Richard Nyarko	100	<2, >12	.1	.1	09/07/25 21:49	Katherine Gately	1	G



ORGANIC ELN REPORT

Workgroup: WG2111706

Extraction				Concentration						
Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
WG2111706 -3 LCSD	09/07/25 15:40	Richard Nyarko	100	<2, >12	.1	.1	09/07/25 21:49	Katherine Gately	1	G

Metals

Inorganic Data (ICP Analysis)

Form 1 METALS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2112183-1
 Client ID : WG2112183-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2113372.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/11/25 16:48
 Dilution Factor : 1
 Analyst : DHL
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	ND	0.100	0.0350	U
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0127	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	ND	0.100	0.0153	U
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7782-49-2	Selenium, Total	0.0035	0.0100	0.0035	J
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0058	0.0050	0.0021	



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2112183-4
 Client ID : WG2112183-4 DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2113372.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/04/25 08:05
 Date Received : 09/04/25
 Date Analyzed : 09/11/25 17:03
 Dilution Factor : 1
 Analyst : DHL
 Instrument ID : TRACE11
 %Solids : N/A
 Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-43-9	Cadmium, Total	ND	0.0050	0.001	U
7440-47-3	Chromium, Total	0.120	0.0100	0.002	
7440-50-8	Copper, Total	0.306	0.0100	0.002	
7439-92-1	Lead, Total	0.0040	0.0100	0.003	J
7440-02-0	Nickel, Total	0.0190	0.0250	0.002	J
7440-22-4	Silver, Total	ND	0.0070	0.003	U
7440-66-6	Zinc, Total	2.84	0.0050	0.002	



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112183-6
Client ID : Serial Dilution
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2113372.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected :
Date Received :
Date Analyzed : 09/11/25 17:07
Dilution Factor : 5
Analyst : DHL
Instrument ID : TRACE11
%Solids : N/A
Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-50-8	Copper, Total	0.283	0.0500	0.011	



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 09:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: EFM
Lab File ID	: WG2113814.csv	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0849	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	104.	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	24.4	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	3.02	2.50	0.237	
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	4.07	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 10:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: EFM
Lab File ID	: WG2113814.csv	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0270	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	11.4	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.96	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.10	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	15.4	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 10:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: EFM
Lab File ID	: WG2113814.csv	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0361	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	8.14	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	3.52	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.05	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	3.96	2.00	0.120	
7440-28-0	Thallium, Dissolved	0.0039	0.0200	0.0025	J
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0023	0.0050	0.0021	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 10:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: EFM
Lab File ID	: WG2113814.csv	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0056	0.0100	0.0021	J
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	18.6	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0804	0.0500	0.0090	
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	2.38	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0243	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	0.779	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	5.91	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 10:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: EFM
Lab File ID	: WG2113814.csv	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	0.0023	0.0050	0.0019	J
7440-39-3	Barium, Dissolved	0.0169	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	14.8	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0130	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	6.19	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.58	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	23.7	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2112698-1
 Client ID : WG2112698-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2113814.csv
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 09/12/25 09:41
 Dilution Factor : 1
 Analyst : EFM
 Instrument ID : TRACE9
 %Solids : N/A
 Date Digested : 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	0.0024	0.0050	0.0019	J
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0350	U
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112698-4
Client ID : MW-13SDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2113814.csv
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/05/25 09:00
Date Received : 09/05/25
Date Analyzed : 09/12/25 09:54
Dilution Factor : 1
Analyst : EFM
Instrument ID : TRACE9
%Solids : N/A
Date Digested : 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.032	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.007	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.002	U
7440-39-3	Barium, Dissolved	0.0843	0.0100	0.002	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.001	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.001	U
7440-70-2	Calcium, Dissolved	103.	0.100	0.035	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.002	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.002	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.002	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.009	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.003	U
7439-95-4	Magnesium, Dissolved	24.0	0.100	0.015	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.002	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.002	U
7440-09-7	Potassium, Dissolved	3.01	2.50	0.237	
7782-49-2	Selenium, Dissolved	ND	0.0100	0.004	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.003	U
7440-23-5	Sodium, Dissolved	4.05	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.003	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.002	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.002	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112698-6
Client ID : Serial Dilution
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2113814.csv
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected :
Date Received :
Date Analyzed : 09/12/25 10:01
Dilution Factor : 5
Analyst : EFM
Instrument ID : TRACE9
%Solids : N/A
Date Digested : 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-70-2	Calcium, Dissolved	103.	0.500	0.175	
7439-95-4	Magnesium, Dissolved	23.7	0.500	0.077	



Form 1 METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112698-8
Client ID : MW-13DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2113814.csv
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/05/25 08:55
Date Received : 09/05/25
Date Analyzed : 09/12/25 10:11
Dilution Factor : 1
Analyst : EFM
Instrument ID : TRACE9
%Solids : N/A
Date Digested : 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.032	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.007	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.002	U
7440-39-3	Barium, Dissolved	0.0262	0.0100	0.002	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.001	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.001	U
7440-70-2	Calcium, Dissolved	11.1	0.100	0.035	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.002	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.002	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.002	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.009	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.003	U
7439-95-4	Magnesium, Dissolved	4.80	0.100	0.015	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.002	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.002	U
7440-09-7	Potassium, Dissolved	1.08	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.004	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.003	U
7440-23-5	Sodium, Dissolved	15.0	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.003	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.002	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.002	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112698-10
Client ID : Serial Dilution
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2113814.csv
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected :
Date Received :
Date Analyzed : 09/12/25 10:40
Dilution Factor : 5
Analyst : EFM
Instrument ID : TRACE9
%Solids : N/A
Date Digested : 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-70-2	Calcium, Dissolved	11.0	0.500	0.175	
7439-95-4	Magnesium, Dissolved	4.82	0.500	0.077	



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 15:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: EFM
Lab File ID	: WG2113814.csv	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0853	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	103.	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0099	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	24.5	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	3.09	2.50	0.237	
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	4.10	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 15:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: EFM
Lab File ID	: WG2113814.csv	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0270	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	11.2	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0198	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	4.89	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.13	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	15.3	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 15:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: EFM
Lab File ID	: WG2113814.csv	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	0.0023	0.0050	0.0019	J
7440-39-3	Barium, Total	0.0362	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	8.18	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	3.54	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.05	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	3.98	2.00	0.120	
7440-28-0	Thallium, Total	0.0028	0.0200	0.0025	J
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0025	0.0050	0.0021	JB



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 15:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: EFM
Lab File ID	: WG2113814.csv	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0056	0.0100	0.0021	J
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	19.4	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0816	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	2.42	0.100	0.0153	
7439-96-5	Manganese, Total	0.0250	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	0.800	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	6.10	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 15:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: EFM
Lab File ID	: WG2113814.csv	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.0586	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	0.0020	0.0050	0.0019	J
7440-39-3	Barium, Total	0.0178	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	14.5	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.324	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	6.11	0.100	0.0153	
7439-96-5	Manganese, Total	0.0988	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.57	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	23.3	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0027	0.0050	0.0021	JB



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112183-8
Client ID : WG2112183-8 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 19,200.7
Lab File ID : WG2113814.csv
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 13:13
Date Received : 09/04/25
Date Analyzed : 09/12/25 14:53
Dilution Factor : 1
Analyst : EFM
Instrument ID : TRACE9
%Solids : N/A
Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-66-6	Zinc, Total	0.421	0.0050	0.002	



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.4750	95							
Antimony	0.500	0.5050	101							
Arsenic	0.500	0.4750	95							
Barium	0.500	0.4920	98							
Beryllium	0.500	0.5050	101							
Cadmium	0.500	0.5070	101							
Calcium	0.500	0.4900	98							
Chromium	0.500	0.4990	100							
Cobalt	0.500	0.4940	99							
Copper	0.500	0.5080	102							
Iron	0.500	0.5010	100							
Lead	0.500	0.4930	99							
Magnesium	0.500	0.5120	102							
Manganese	0.500	0.5050	101							
Nickel	0.500	0.5080	102							
Potassium	5.00	5.1300	103							
Selenium	0.500	0.4780	96							
Silver	0.500	0.4960	99							
Sodium	10.0	10.1000	101							
Thallium	0.500	0.5000	100							
Vanadium	0.500	0.5000	100							
Zinc	0.500	0.4980	100							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R2009414-3		R2009414-6			R2009414-8		R2009414-10		
	Date Analyzed:	09/11/25 08:59		09/11/25 10:05			09/11/25 10:36		09/11/25 11:10		
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Aluminum	0.500	0.4710	94	0.5000	0.485	97	0.481	96	0.484	97	
Antimony	0.500	0.5050	101	0.5000	0.521	104	0.527	105	0.523	105	
Arsenic	0.500	0.4780	96	0.5000	0.492	98	0.492	98	0.489	98	
Barium	0.500	0.4900	98	0.5000	0.498	100	0.494	99	0.492	98	
Beryllium	0.500	0.4980	100	0.5000	0.509	102	0.510	102	0.508	102	
Cadmium	0.500	0.5090	102	0.5000	0.527	105	0.528	106	0.518	104	
Calcium	0.500	0.4870	97	0.5000	0.493	99	0.499	100	0.491	98	
Chromium	0.500	0.5040	101	0.5000	0.516	103	0.518	104	0.512	102	
Cobalt	0.500	0.4960	99	0.5000	0.512	102	0.515	103	0.510	102	
Copper	0.500	0.5110	102	0.5000	0.526	105	0.529	106	0.523	105	
Iron	0.500	0.4880	98	0.5000	0.500	100	0.506	101	0.510	102	
Lead	0.500	0.4920	98	0.5000	0.507	101	0.512	102	0.511	102	
Magnesium	0.500	0.5100	102	0.5000	0.530	106	0.535	107	0.523	105	
Manganese	0.500	0.5000	100	0.5000	0.512	102	0.511	102	0.508	102	
Nickel	0.500	0.5070	101	0.5000	0.520	104	0.524	105	0.516	103	
Potassium	5.00	5.0600	101	5.0000	5.13	103	5.12	102	5.15	103	
Selenium	0.500	0.4760	95	0.5000	0.492	98	0.492	98	0.488	98	
Silver	0.500	0.5000	100	0.5000	0.513	103	0.515	103	0.507	101	
Sodium	10.0	10.1000	101	10.0000	10.4	104	10.3	103	10.3	103	
Thallium	0.500	0.5010	100	0.5000	0.511	102	0.513	103	0.507	101	
Vanadium	0.500	0.5030	101	0.5000	0.518	104	0.521	104	0.516	103	
Zinc	0.500	0.5000	100	0.5000	0.515	103	0.516	103	0.505	101	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration		Continuing Calibration(s)						
		True	Found	%R	R2009414-12 09/11/25 11:57		R2009414-14 09/11/25 13:23		R2009414-16 09/11/25 13:58	
					True	Found	%R	Found	%R	Found
Aluminum				0.5000	0.474	95	0.489	98	0.481	96
Antimony				0.5000	0.515	103	0.513	103	0.514	103
Arsenic				0.5000	0.487	97	0.484	97	0.484	97
Barium				0.5000	0.487	97	0.494	99	0.493	99
Beryllium				0.5000	0.503	101	0.508	102	0.509	102
Cadmium				0.5000	0.516	103	0.513	103	0.514	103
Calcium				0.5000	0.493	99	0.495	99	0.495	99
Chromium				0.5000	0.507	101	0.510	102	0.511	102
Cobalt				0.5000	0.504	101	0.507	101	0.506	101
Copper				0.5000	0.518	104	0.520	104	0.520	104
Iron				0.5000	0.500	100	0.504	101	0.505	101
Lead				0.5000	0.506	101	0.506	101	0.506	101
Magnesium				0.5000	0.523	105	0.518	104	0.517	103
Manganese				0.5000	0.502	100	0.507	101	0.507	101
Nickel				0.5000	0.510	102	0.516	103	0.514	103
Potassium				5.0000	5.08	102	5.13	103	5.12	102
Selenium				0.5000	0.486	97	0.480	96	0.482	96
Silver				0.5000	0.503	101	0.504	101	0.505	101
Sodium				10.0000	10.2	102	10.1	101	10.1	101
Thallium				0.5000	0.502	100	0.496	99	0.495	99
Vanadium				0.5000	0.511	102	0.513	103	0.513	103
Zinc				0.5000	0.499	100	0.499	100	0.497	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration		Continuing Calibration(s)						
		True	Found	%R	R2009414-18 09/11/25 14:34		R2009414-20 09/11/25 14:59		R2009414-22 09/11/25 15:38	
					True	Found	%R	Found	%R	Found
Aluminum				0.5000	0.482	96	0.477	95	0.477	95
Antimony				0.5000	0.518	104	0.516	103	0.510	102
Arsenic				0.5000	0.486	97	0.485	97	0.484	97
Barium				0.5000	0.493	99	0.492	98	0.491	98
Beryllium				0.5000	0.507	101	0.507	101	0.507	101
Cadmium				0.5000	0.519	104	0.516	103	0.515	103
Calcium				0.5000	0.494	99	0.493	99	0.490	98
Chromium				0.5000	0.514	103	0.512	102	0.512	102
Cobalt				0.5000	0.509	102	0.509	102	0.507	101
Copper				0.5000	0.524	105	0.523	105	0.520	104
Iron				0.5000	0.501	100	0.504	101	0.500	100
Lead				0.5000	0.508	102	0.508	102	0.507	101
Magnesium				0.5000	0.525	105	0.525	105	0.523	105
Manganese				0.5000	0.508	102	0.506	101	0.506	101
Nickel				0.5000	0.517	103	0.518	104	0.515	103
Potassium				5.0000	5.18	104	5.17	103	5.16	103
Selenium				0.5000	0.485	97	0.482	96	0.480	96
Silver				0.5000	0.507	101	0.507	101	0.505	101
Sodium				10.0000	10.2	102	10.2	102	10.2	102
Thallium				0.5000	0.494	99	0.490	98	0.490	98
Vanadium				0.5000	0.517	103	0.515	103	0.514	103
Zinc				0.5000	0.499	100	0.495	99	0.493	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration		Continuing Calibration(s)							
		True	Found	%R	R2009414-24 09/11/25 16:03			R2009414-26 09/11/25 16:42		R2009414-28 09/11/25 17:09	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.471	94	0.478	96	0.435	87
Antimony					0.5000	0.512	102	0.514	103	0.457	91
Arsenic					0.5000	0.485	97	0.484	97	0.485	97
Barium					0.5000	0.493	99	0.492	98	0.442	88
Beryllium					0.5000	0.508	102	0.505	101	0.455	91
Cadmium					0.5000	0.516	103	0.515	103	0.453	91
Calcium					0.5000	0.493	99	0.492	98	0.444	89
Chromium					0.5000	0.512	102	0.511	102	0.452	90
Cobalt					0.5000	0.508	102	0.507	101	0.450	90
Copper					0.5000	0.521	104	0.522	104	0.467	93
Iron					0.5000	0.500	100	0.499	100	0.452	90
Lead					0.5000	0.508	102	0.508	102	0.453	91
Magnesium					0.5000	0.526	105	0.523	105	0.465	93
Manganese					0.5000	0.506	101	0.505	101	0.452	90
Nickel					0.5000	0.515	103	0.515	103	0.454	91
Potassium					5.0000	5.16	103	5.15	103	5.58	112
Selenium					0.5000	0.481	96	0.479	96	0.430	86
Silver					0.5000	0.504	101	0.504	101	0.450	90
Sodium					10.0000	10.2	102	10.1	101	9.14	91
Thallium					0.5000	0.488	98	0.495	99	0.379	76
Vanadium					0.5000	0.514	103	0.515	103	0.456	91
Zinc					0.5000	0.493	99	0.491	98	0.430	86

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R2009914-1		R2009914-4			R2009914-6		R2009914-8		
	Date Analyzed:	09/12/25 06:40		09/12/25 07:50			09/12/25 08:28		09/12/25 10:18		
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Aluminum	0.500	0.5010	100	0.5000	0.498	100	0.497	99	0.508	102	
Antimony	0.500	0.5170	103	0.5000	0.517	103	0.525	105	0.517	103	
Arsenic	0.500	0.4950	99	0.5000	0.500	100	0.497	99	0.505	101	
Barium	0.500	0.5030	101	0.5000	0.503	101	0.503	101	0.505	101	
Beryllium	0.500	0.5160	103	0.5000	0.517	103	0.516	103	0.515	103	
Cadmium	0.500	0.5140	103	0.5000	0.514	103	0.514	103	0.515	103	
Calcium	0.500	0.5030	101	0.5000	0.503	101	0.525	105	0.503	101	
Chromium	0.500	0.5100	102	0.5000	0.515	103	0.516	103	0.519	104	
Cobalt	0.500	0.5160	103	0.5000	0.517	103	0.520	104	0.520	104	
Copper	0.500	0.5060	101	0.5000	0.506	101	0.507	101	0.512	102	
Iron	0.500	0.5080	102	0.5000	0.505	101	0.505	101	0.507	101	
Lead	0.500	0.5160	103	0.5000	0.517	103	0.520	104	0.523	105	
Magnesium	0.500	0.5000	100	0.5000	0.503	101	0.503	101	0.502	100	
Manganese	0.500	0.5180	104	0.5000	0.516	103	0.519	104	0.515	103	
Nickel	0.500	0.5120	102	0.5000	0.515	103	0.518	104	0.521	104	
Potassium	5.00	5.2400	105	5.0000	5.24	105	5.22	104	5.23	105	
Selenium	0.500	0.5020	100	0.5000	0.506	101	0.507	101	0.507	101	
Silver	0.500	0.4930	99	0.5000	0.494	99	0.496	99	0.500	100	
Sodium	10.0	10.3000	103	10.0000	10.3	103	10.4	104	10.4	104	
Thallium	0.500	0.5020	100	0.5000	0.506	101	0.506	101	0.512	102	
Vanadium	0.500	0.5130	103	0.5000	0.516	103	0.517	103	0.519	104	
Zinc	0.500	0.5180	104	0.5000	0.521	104	0.522	104	0.524	105	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum				0.5000	0.529	106				
Antimony				0.5000	0.516	103				
Arsenic				0.5000	0.515	103				
Barium				0.5000	0.515	103				
Beryllium				0.5000	0.527	105				
Cadmium				0.5000	0.518	104				
Calcium				0.5000	0.516	103				
Chromium				0.5000	0.524	105				
Cobalt				0.5000	0.523	105				
Copper				0.5000	0.518	104				
Iron				0.5000	0.521	104				
Lead				0.5000	0.537	107				
Magnesium				0.5000	0.503	101				
Manganese				0.5000	0.522	104				
Nickel				0.5000	0.523	105				
Potassium				5.0000	5.41	108				
Selenium				0.5000	0.515	103				
Silver				0.5000	0.507	101				
Sodium				10.0000	10.6	106				
Thallium				0.5000	0.530	106				
Vanadium				0.5000	0.523	105				
Zinc				0.5000	0.526	105				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	Lab ID	: R2009914-1		R2009914-4			R2009914-6		R2009914-8	
	Date Analyzed	: 09/12/25 06:40		09/12/25 07:50			09/12/25 08:28		09/12/25 10:18	
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.5010	100	0.5000	0.498	100	0.497	99	0.508	102
Antimony	0.500	0.5170	103	0.5000	0.517	103	0.525	105	0.517	103
Arsenic	0.500	0.4950	99	0.5000	0.500	100	0.497	99	0.505	101
Barium	0.500	0.5030	101	0.5000	0.503	101	0.503	101	0.505	101
Beryllium	0.500	0.5160	103	0.5000	0.517	103	0.516	103	0.515	103
Cadmium	0.500	0.5140	103	0.5000	0.514	103	0.514	103	0.515	103
Calcium	0.500	0.5030	101	0.5000	0.503	101	0.525	105	0.503	101
Chromium	0.500	0.5100	102	0.5000	0.515	103	0.516	103	0.519	104
Cobalt	0.500	0.5160	103	0.5000	0.517	103	0.520	104	0.520	104
Copper	0.500	0.5060	101	0.5000	0.506	101	0.507	101	0.512	102
Iron	0.500	0.5080	102	0.5000	0.505	101	0.505	101	0.507	101
Lead	0.500	0.5160	103	0.5000	0.517	103	0.520	104	0.523	105
Magnesium	0.500	0.5000	100	0.5000	0.503	101	0.503	101	0.502	100
Manganese	0.500	0.5180	104	0.5000	0.516	103	0.519	104	0.515	103
Nickel	0.500	0.5120	102	0.5000	0.515	103	0.518	104	0.521	104
Potassium	5.00	5.2400	105	5.0000	5.24	105	5.22	104	5.23	105
Selenium	0.500	0.5020	100	0.5000	0.506	101	0.507	101	0.507	101
Silver	0.500	0.4930	99	0.5000	0.494	99	0.496	99	0.500	100
Sodium	10.0	10.3000	103	10.0000	10.3	103	10.4	104	10.4	104
Thallium	0.500	0.5020	100	0.5000	0.506	101	0.506	101	0.512	102
Vanadium	0.500	0.5130	103	0.5000	0.516	103	0.517	103	0.519	104
Zinc	0.500	0.5180	104	0.5000	0.521	104	0.522	104	0.524	105

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration		Continuing Calibration(s)							
		True	Found	%R	R2009914-10 09/12/25 11:11			R2009914-12 09/12/25 12:02		R2009914-14 09/12/25 13:03	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.529	106	0.522	104	0.513	103
Antimony					0.5000	0.516	103	0.509	102	0.505	101
Arsenic					0.5000	0.515	103	0.507	101	0.501	100
Barium					0.5000	0.515	103	0.505	101	0.507	101
Beryllium					0.5000	0.527	105	0.515	103	0.520	104
Cadmium					0.5000	0.518	104	0.514	103	0.510	102
Calcium					0.5000	0.516	103	0.510	102	0.503	101
Chromium					0.5000	0.524	105	0.516	103	0.510	102
Cobalt					0.5000	0.523	105	0.519	104	0.514	103
Copper					0.5000	0.518	104	0.510	102	0.508	102
Iron					0.5000	0.521	104	0.512	102	0.511	102
Lead					0.5000	0.537	107	0.521	104	0.524	105
Magnesium					0.5000	0.503	101	0.494	99	0.492	98
Manganese					0.5000	0.522	104	0.513	103	0.513	103
Nickel					0.5000	0.523	105	0.517	103	0.514	103
Potassium					5.0000	5.41	108	5.31	106	5.30	106
Selenium					0.5000	0.515	103	0.512	102	0.504	101
Silver					0.5000	0.507	101	0.502	100	0.495	99
Sodium					10.0000	10.6	106	10.4	104	10.4	104
Thallium					0.5000	0.530	106	0.514	103	0.516	103
Vanadium					0.5000	0.523	105	0.516	103	0.514	103
Zinc					0.5000	0.526	105	0.519	104	0.517	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009914-16 09/12/25 13:25			R2009914-18 09/12/25 15:19		R2009914-20 09/12/25 16:14	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.516	103	0.518	104	0.571	114
Antimony					0.5000	0.516	103	0.503	101	0.503	101
Arsenic					0.5000	0.504	101	0.502	100	0.498	100
Barium					0.5000	0.500	100	0.502	100	0.549	110
Beryllium					0.5000	0.512	102	0.511	102	0.560	112
Cadmium					0.5000	0.506	101	0.503	101	0.505	101
Calcium					0.5000	0.498	100	0.499	100	0.552	110
Chromium					0.5000	0.510	102	0.511	102	0.514	103
Cobalt					0.5000	0.511	102	0.507	101	0.510	102
Copper					0.5000	0.504	101	0.508	102	0.503	101
Iron					0.5000	0.504	101	0.503	101	0.551	110
Lead					0.5000	0.521	104	0.515	103	0.512	102
Magnesium					0.5000	0.490	98	0.481	96	0.484	97
Manganese					0.5000	0.510	102	0.509	102	0.560	112
Nickel					0.5000	0.511	102	0.511	102	0.515	103
Potassium					5.0000	5.25	105	5.28	106	5.72	114
Selenium					0.5000	0.504	101	0.504	101	0.504	101
Silver					0.5000	0.493	99	0.499	100	0.496	99
Sodium					10.0000	10.3	103	10.3	103	11.3	113
Thallium					0.5000	0.513	103	0.499	100	0.508	102
Vanadium					0.5000	0.510	102	0.509	102	0.509	102
Zinc					0.5000	0.512	102	0.513	103	0.517	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Antimony	0.500	0.5080	102						

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	Lab ID	: R2009925-3		R2009925-6			R2009925-8		R2009925-10	
	Date Analyzed	: 09/12/25 07:49		09/12/25 09:10			09/12/25 09:59		09/12/25 10:28	
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Antimony	0.500	0.5040	101	0.5000	0.499	100	0.502	100	0.503	101

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009925-12 09/12/25 11:58			R2009925-14 09/12/25 12:37		R2009925-16 09/12/25 13:05	
					True	Found	%R	Found	%R	Found	%R
Antimony					0.5000	0.508	102	0.503	101	0.505	101

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Antimony				0.5000	0.504	101	0.508	102	0.518

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE11

Lab Number : L2555938
Project Number : 2232.0006Y005

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
	Lab ID	Date Analyzed	R2009414-2	R2009414-7	R2009414-9	R2009414-11	WG2112183-1	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00302	J	0.00193	J	0.00190	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.0127	J
Lead	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00459	J	0.00350	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.0058	



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE11

Lab Number : L2555938
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	Lab ID : R2009414-4		R2009414-13		R2009414-15		R2009414-17	
	Date Analyzed : 09/11/25 09:01		09/11/25 11:59		09/11/25 13:25		09/11/25 14:00	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE11

Lab Number : L2555938
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.00710	U	0.00710	U	0.00710	U
Arsenic			0.00190	U	0.00190	U	0.00190	U
Barium			0.00210	U	0.00210	U	0.00210	U
Beryllium			0.000900	U	0.000900	U	0.000900	U
Cadmium			0.00100	U	0.00100	U	0.00100	U
Calcium			0.0350	U	0.0350	U	0.0350	U
Chromium			0.00210	U	0.00210	U	0.00210	U
Cobalt			0.00170	U	0.00170	U	0.00170	U
Copper			0.00220	U	0.00220	U	0.00220	U
Iron			0.00900	U	0.00900	U	0.00900	U
Lead			0.00270	U	0.00270	U	0.00270	U
Magnesium			0.0153	U	0.0153	U	0.0153	U
Manganese			0.00160	U	0.00160	U	0.00160	U
Nickel			0.00240	U	0.00240	U	0.00240	U
Potassium			0.237	U	0.237	U	0.237	U
Selenium			0.00350	U	0.00350	U	0.00350	U
Silver			0.00280	U	0.00280	U	0.00280	U
Sodium			0.120	U	0.120	U	0.120	U
Thallium			0.00250	U	0.00250	U	0.00250	U
Vanadium			0.00200	U	0.00200	U	0.00200	U
Zinc			0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE11

Lab Number : L2555938
Project Number : 2232.0006Y005

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.00710	U	0.00710	U	0.00710	U
Arsenic			0.00190	U	0.00190	U	0.00190	U
Barium			0.00210	U	0.00210	U	0.00210	U
Beryllium			0.000900	U	0.000900	U	0.000900	U
Cadmium			0.00100	U	0.00100	U	0.00100	U
Calcium			0.0350	U	0.0350	U	0.0350	U
Chromium			0.00210	U	0.00210	U	0.00210	U
Cobalt			0.00170	U	0.00170	U	0.00170	U
Copper			0.00220	U	0.00220	U	0.00220	U
Iron			0.00900	U	0.00900	U	0.00900	U
Lead			0.00270	U	0.00270	U	0.00270	U
Magnesium			0.0153	U	0.0153	U	0.0153	U
Manganese			0.00160	U	0.00160	U	0.00160	U
Nickel			0.00240	U	0.00240	U	0.00240	U
Potassium			0.237	U	0.237	U	0.852	J
Selenium			0.00350	U	0.00350	U	0.00350	U
Silver			0.00280	U	0.00280	U	0.00280	U
Sodium			0.120	U	0.120	U	0.120	U
Thallium			0.00250	U	0.00250	U	0.0375	
Vanadium			0.00200	U	0.00200	U	0.00200	U
Zinc			0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9

Lab Number : L2555938
Project Number : 2232.0006Y005

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
	Lab ID	Date Analyzed	R2009914-2	R2009914-5	R2009914-7	R2009914-9	WG2112698-1	
			09/12/25 06:43	09/12/25 07:53	09/12/25 08:32	09/12/25 10:22	09/12/25 09:41	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.0024	J
Barium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00365	J
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.0021	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9

Lab Number : L2555938
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U				
Antimony			0.00710	U				
Arsenic			0.00190	U				
Barium			0.00210	U				
Beryllium			0.000900	U				
Cadmium			0.00100	U				
Calcium			0.0350	U				
Chromium			0.00210	U				
Cobalt			0.00170	U				
Copper			0.00220	U				
Iron			0.00900	U				
Lead			0.00270	U				
Magnesium			0.0153	U				
Manganese			0.00160	U				
Nickel			0.00240	U				
Potassium			0.237	U				
Selenium			0.00350	U				
Silver			0.00280	U				
Sodium			0.120	U				
Thallium			0.00250	U				
Vanadium			0.00200	U				
Zinc			0.00210	U				



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9

Lab Number : L2555938
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00365	J
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9

Lab Number : L2555938
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	Lab ID : Date Analyzed :		R2009914-11 09/12/25 11:15		R2009914-13 09/12/25 12:05		R2009914-15 09/12/25 13:06	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.00710	U	0.00710	U	0.00710	U
Arsenic			0.00190	U	0.00297	J	0.00190	U
Barium			0.00210	U	0.00210	U	0.00210	U
Beryllium			0.000900	U	0.000900	U	0.000900	U
Cadmium			0.00100	U	0.00100	U	0.00100	U
Calcium			0.0350	U	0.0350	U	0.0350	U
Chromium			0.00210	U	0.00210	U	0.00210	U
Cobalt			0.00170	U	0.00170	U	0.00170	U
Copper			0.00220	U	0.00220	U	0.00220	U
Iron			0.00900	U	0.00900	U	0.00900	U
Lead			0.00270	U	0.00270	U	0.00270	U
Magnesium			0.0153	U	0.0153	U	0.0153	U
Manganese			0.00160	U	0.00160	U	0.00160	U
Nickel			0.00240	U	0.00240	U	0.00240	U
Potassium			0.237	U	0.237	U	0.237	U
Selenium			0.00350	U	0.00350	U	0.00350	U
Silver			0.00280	U	0.00280	U	0.00280	U
Sodium			0.120	U	0.120	U	0.120	U
Thallium			0.00250	U	0.00250	U	0.00250	U
Vanadium			0.00200	U	0.00200	U	0.00200	U
Zinc			0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9

Lab Number : L2555938
Project Number : 2232.0006Y005

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.00710	U	0.00710	U	0.00710	U
Arsenic			0.00214	J	0.00190	U	0.00190	U
Barium			0.00210	U	0.00210	U	0.00210	U
Beryllium			0.000900	U	0.000900	U	0.000900	U
Cadmium			0.00100	U	0.00100	U	0.00100	U
Calcium			0.0350	U	0.0350	U	0.0350	U
Chromium			0.00210	U	0.00210	U	0.00210	U
Cobalt			0.00170	U	0.00170	U	0.00170	U
Copper			0.00220	U	0.00220	U	0.00220	U
Iron			0.00900	U	0.00900	U	0.00900	U
Lead			0.00270	U	0.00270	U	0.00270	U
Magnesium			0.0153	U	0.0153	U	0.0153	U
Manganese			0.00160	U	0.00160	U	0.00160	U
Nickel			0.00240	U	0.00240	U	0.00240	U
Potassium			0.237	U	0.237	U	0.237	U
Selenium			0.00350	U	0.00350	U	0.00350	U
Silver			0.00280	U	0.00280	U	0.00280	U
Sodium			0.120	U	0.120	U	0.120	U
Thallium			0.00250	U	0.00250	U	0.00276	J
Vanadium			0.00200	U	0.00200	U	0.00200	U
Zinc			0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :	R2009925-2		R2009925-7		R2009925-9		R2009925-11	
Date Analyzed :	09/12/25 07:45		09/12/25 09:12		09/12/25 10:02		09/12/25 10:30	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005

	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
Lab ID :	R2009925-4		R2009925-13		R2009925-15		R2009925-17	
Date Analyzed :	09/12/25 07:51		09/12/25 12:00		09/12/25 12:40		09/12/25 13:07	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE11

Lab Number : L2555938
 Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2009925-19		R2009925-21		R2009925-23	
Date Analyzed :			09/12/25 13:25		09/12/25 14:21		09/12/25 15:58	
Antimony			0.00710	U	0.00710	U	0.00710	U



Form 4a Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE11

Lab Number : L2555938
Project Number : 2232.0006Y005
Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID : Analysis Date :		R2009414-5 09/11/25 09:05							
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	500		487.	97						
Antimony			-0.00578							
Arsenic			0.0000517							
Barium			0.00159							
Beryllium			0.0000439							
Cadmium			-0.00532							
Calcium	500		458.	92						
Chromium			-0.00000899							
Cobalt			0.000508							
Copper			0.00482							
Iron	200		180.	90						
Lead			-0.00405							
Magnesium	500		468.	94						
Manganese			-0.00190							
Nickel			0.000816							
Potassium			0.0857							
Selenium			0.00607							
Silver			0.00172							
Sodium			0.00789							
Thallium			0.0000900							
Vanadium			-0.00121							
Zinc			-0.00521							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R2009914-3							
	Analysis Date :		09/12/25 07:04							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		503.	101						
Antimony			-0.0206							
Arsenic			0.000466							
Barium			0.00210							
Beryllium			0.0000748							
Cadmium			-0.00371							
Calcium	500		473.	95						
Chromium			0.00106							
Cobalt			-0.00148							
Copper			0.00410							
Iron	200		183.	92						
Lead			0.000489							
Magnesium	500		501.	100						
Manganese			-0.000447							
Nickel			-0.000331							
Potassium			-0.0424							
Selenium			-0.00160							
Silver			0.00238							
Sodium			0.00564							
Thallium			0.00237							
Vanadium			-0.00344							
Zinc			-0.00537							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R2009914-3							
	Analysis Date :		09/12/25 07:04							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		503.	101						
Antimony			-0.0206							
Arsenic			0.000466							
Barium			0.00210							
Beryllium			0.0000748							
Cadmium			-0.00371							
Calcium	500		473.	95						
Chromium			0.00106							
Cobalt			-0.00148							
Copper			0.00410							
Iron	200		183.	92						
Lead			0.000489							
Magnesium	500		501.	100						
Manganese			-0.000447							
Nickel			-0.000331							
Potassium			-0.0424							
Selenium			-0.00160							
Silver			0.00238							
Sodium			0.00564							
Thallium			0.00237							
Vanadium			-0.00344							
Zinc			-0.00537							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE11

Lab Number : L2555938
Project Number : 2232.0006Y005
Concentration Units : mg/l

Analyte	True		Initial Found			Final Found			
	Sol.	Sol.	Sol.	%R	Sol.	%R	Sol.	%R	Sol.
	A	AB	A	%R	AB	%R	A	%R	AB
Antimony									

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555375-01
 Matrix Spike : WG2112183-3
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/11/25 17:01
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Total	42.8	2	46.0	160 Q					75-125	20
Antimony, Total	0.021J	0.5	0.688	138 Q					75-125	20
Arsenic, Total	0.018	0.12	0.142	103					75-125	20
Barium, Total	0.027	2	2.61	129 Q					75-125	20
Beryllium, Total	ND	0.05	0.0668	134 Q					75-125	20
Cadmium, Total	ND	0.053	0.0708	134 Q					75-125	20
Calcium, Total	63.5	10	77.2	137 Q					75-125	20
Chromium, Total	0.114	0.2	0.383	134 Q					75-125	20
Cobalt, Total	0.003J	0.5	0.637	127 Q					75-125	20
Copper, Total	0.295	0.25	0.633	135 Q					75-125	20
Iron, Total	6.78	1	7.91	113					75-125	20
Lead, Total	0.0051J	0.53	0.697	132 Q					75-125	20
Magnesium, Total	15.7	10	29.2	135 Q					75-125	20
Manganese, Total	0.720	0.5	1.38	132 Q					75-125	20
Nickel, Total	0.0190J	0.5	0.671	134 Q					75-125	20
Potassium, Total	2690	10	2620	0 Q					75-125	20
Selenium, Total	0.008J	0.12	0.176	147 Q					75-125	20
Silver, Total	ND	0.05	0.0707	141 Q					75-125	20
Sodium, Total	71.6	10	85.4	138 Q					75-125	20
Thallium, Total	ND	0.12	0.102	85					75-125	20
Vanadium, Total	0.009J	0.5	0.712	142 Q					75-125	20
Zinc, Total	2.74	0.5	3.55	162 Q					75-125	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-13S
 Lab Sample ID : L2555938-01
 Matrix Spike : WG2112698-3
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/12/25 09:51
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Dissolved	ND	2	2.06	103					75-125	20
Antimony, Dissolved	ND	0.5	0.371	74 Q					75-125	20
Arsenic, Dissolved	ND	0.12	0.125	104					75-125	20
Barium, Dissolved	0.0849	2	2.07	99					75-125	20
Beryllium, Dissolved	ND	0.05	0.0505	101					75-125	20
Cadmium, Dissolved	ND	0.053	0.0514	97					75-125	20
Calcium, Dissolved	104.	10	112.	80					75-125	20
Chromium, Dissolved	ND	0.2	0.198	99					75-125	20
Cobalt, Dissolved	ND	0.5	0.485	97					75-125	20
Copper, Dissolved	ND	0.25	0.252	101					75-125	20
Iron, Dissolved	ND	1	0.983	98					75-125	20
Lead, Dissolved	ND	0.53	0.544	103					75-125	20
Magnesium, Dissolved	24.4	10	34.0	96					75-125	20
Manganese, Dissolved	ND	0.5	0.496	99					75-125	20
Nickel, Dissolved	ND	0.5	0.491	98					75-125	20
Potassium, Dissolved	3.02	10	13.6	106					75-125	20
Selenium, Dissolved	ND	0.12	0.123	102					75-125	20
Silver, Dissolved	ND	0.05	0.0508	102					75-125	20
Sodium, Dissolved	4.07	10	14.5	104					75-125	20
Thallium, Dissolved	ND	0.12	0.123	102					75-125	20
Vanadium, Dissolved	ND	0.5	0.510	102					75-125	20
Zinc, Dissolved	ND	0.5	0.500	100					75-125	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-13D
 Lab Sample ID : L2555938-02
 Matrix Spike : WG2112698-7
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/12/25 10:07
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Dissolved	ND	2	2.10	105					75-125	20
Antimony, Dissolved	ND	0.5	0.384	77					75-125	20
Arsenic, Dissolved	ND	0.12	0.126	105					75-125	20
Barium, Dissolved	0.0270	2	2.07	102					75-125	20
Beryllium, Dissolved	ND	0.05	0.0522	104					75-125	20
Cadmium, Dissolved	ND	0.053	0.0529	100					75-125	20
Calcium, Dissolved	11.4	10	21.9	105					75-125	20
Chromium, Dissolved	ND	0.2	0.201	100					75-125	20
Cobalt, Dissolved	ND	0.5	0.495	99					75-125	20
Copper, Dissolved	ND	0.25	0.248	99					75-125	20
Iron, Dissolved	ND	1	1.02	102					75-125	20
Lead, Dissolved	ND	0.53	0.542	102					75-125	20
Magnesium, Dissolved	4.96	10	14.8	98					75-125	20
Manganese, Dissolved	ND	0.5	0.513	103					75-125	20
Nickel, Dissolved	ND	0.5	0.493	99					75-125	20
Potassium, Dissolved	1.10J	10	11.8	118					75-125	20
Selenium, Dissolved	ND	0.12	0.124	103					75-125	20
Silver, Dissolved	ND	0.05	0.0508	102					75-125	20
Sodium, Dissolved	15.4	10	26.0	106					75-125	20
Thallium, Dissolved	ND	0.12	0.123	102					75-125	20
Vanadium, Dissolved	ND	0.5	0.510	102					75-125	20
Zinc, Dissolved	ND	0.5	0.504	101					75-125	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555515-01
 Matrix Spike : WG2112183-7
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/12/25 14:50
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Total	0.034J	2	2.14	107					75-125	20
Antimony, Total	ND	0.5	0.366	73 Q					75-125	20
Arsenic, Total	0.004J	0.12	0.125	104					75-125	20
Barium, Total	ND	2	2.02	101					75-125	20
Beryllium, Total	ND	0.05	0.0513	103					75-125	20
Cadmium, Total	ND	0.053	0.0534	101					75-125	20
Calcium, Total	0.043J	10	10.0	100					75-125	20
Chromium, Total	ND	0.2	0.201	100					75-125	20
Cobalt, Total	ND	0.5	0.498	100					75-125	20
Copper, Total	ND	0.25	0.247	99					75-125	20
Iron, Total	0.013J	1	1.03	103					75-125	20
Lead, Total	ND	0.53	0.531	100					75-125	20
Magnesium, Total	ND	10	9.76	98					75-125	20
Manganese, Total	ND	0.5	0.507	101					75-125	20
Nickel, Total	0.006J	0.5	0.510	102					75-125	20
Potassium, Total	ND	10	10.4	104					75-125	20
Selenium, Total	0.110	0.12	0.179	58 Q					75-125	20
Silver, Total	ND	0.05	0.0552	110					75-125	20
Sodium, Total	0.512J	10	10.8	108					75-125	20
Thallium, Total	ND	0.12	0.121	101					75-125	20
Vanadium, Total	ND	0.5	0.514	103					75-125	20
Zinc, Total	0.417	0.5	0.923	101					75-125	20



Form 5b Post Digest Spike Recovery

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Client Sample ID : MW-13S Matrix : WATER
Lab Sample ID : L2555938-01
Post Spike : WG2112698-5 PS Analysis Date : 09/12/25 09:58

Parameter	Sample Conc. (mg/l)	Post Spike Sample		%R	Recovery Limits
		Spike Added (mg/l)	Spike Conc. (mg/l)		
Antimony, Dissolved	ND	0.5	0.307	61	75-125



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/11/25 16:59
Dup Sample ID	: WG2112183-4	DUP Analysis Date	: 09/11/25 17:03

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Cadmium, Total	ND	ND	NC	20
Chromium, Total	0.114	0.120	5	20
Copper, Total	0.295	0.306	4	20
Lead, Total	0.0051J	0.0040J	NC	20
Nickel, Total	0.0190J	0.0190J	NC	20
Silver, Total	ND	ND	NC	20
Zinc, Total	2.74	2.84	4	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-13S	Matrix	: WATER
Lab Sample ID	: L2555938-01	Analysis Date	: 09/12/25 09:48
Dup Sample ID	: WG2112698-4	DUP Analysis Date	: 09/12/25 09:54

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Aluminum, Dissolved	ND	ND	NC	20
Antimony, Dissolved	ND	ND	NC	20
Arsenic, Dissolved	ND	ND	NC	20
Barium, Dissolved	0.0849	0.0843	1	20
Beryllium, Dissolved	ND	ND	NC	20
Cadmium, Dissolved	ND	ND	NC	20
Calcium, Dissolved	104.	103.	1	20
Chromium, Dissolved	ND	ND	NC	20
Cobalt, Dissolved	ND	ND	NC	20
Copper, Dissolved	ND	ND	NC	20
Iron, Dissolved	ND	ND	NC	20
Lead, Dissolved	ND	ND	NC	20
Magnesium, Dissolved	24.4	24.0	2	20
Manganese, Dissolved	ND	ND	NC	20
Nickel, Dissolved	ND	ND	NC	20
Potassium, Dissolved	3.02	3.01	0	20
Selenium, Dissolved	ND	ND	NC	20
Silver, Dissolved	ND	ND	NC	20
Sodium, Dissolved	4.07	4.05	0	20
Thallium, Dissolved	ND	ND	NC	20
Vanadium, Dissolved	ND	ND	NC	20
Zinc, Dissolved	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-13D	Matrix	: WATER
Lab Sample ID	: L2555938-02	Analysis Date	: 09/12/25 10:04
Dup Sample ID	: WG2112698-8	DUP Analysis Date	: 09/12/25 10:11

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Aluminum, Dissolved	ND	ND	NC	20
Antimony, Dissolved	ND	ND	NC	20
Arsenic, Dissolved	ND	ND	NC	20
Barium, Dissolved	0.0270	0.0262	3	20
Beryllium, Dissolved	ND	ND	NC	20
Cadmium, Dissolved	ND	ND	NC	20
Calcium, Dissolved	11.4	11.1	3	20
Chromium, Dissolved	ND	ND	NC	20
Cobalt, Dissolved	ND	ND	NC	20
Copper, Dissolved	ND	ND	NC	20
Iron, Dissolved	ND	ND	NC	20
Lead, Dissolved	ND	ND	NC	20
Magnesium, Dissolved	4.96	4.80	3	20
Manganese, Dissolved	ND	ND	NC	20
Nickel, Dissolved	ND	ND	NC	20
Potassium, Dissolved	1.10J	1.08J	NC	20
Selenium, Dissolved	ND	ND	NC	20
Silver, Dissolved	ND	ND	NC	20
Sodium, Dissolved	15.4	15.0	3	20
Thallium, Dissolved	ND	ND	NC	20
Vanadium, Dissolved	ND	ND	NC	20
Zinc, Dissolved	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/12/25 14:46
Dup Sample ID	: WG2112183-8	DUP Analysis Date	: 09/12/25 14:53

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Zinc, Total	0.417	0.421	1	20



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112183-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/11/25 16:51
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Total	2.00	2.06	103.					85-115	20
Antimony, Total	0.500	0.520	104.					85-115	20
Arsenic, Total	0.120	0.120	100.					85-115	20
Barium, Total	2.00	1.99	100.					85-115	20
Beryllium, Total	0.0500	0.0516	103.					85-115	20
Cadmium, Total	0.0530	0.0544	103.					85-115	20
Calcium, Total	10.0	9.97	100.					85-115	20
Chromium, Total	0.200	0.205	102.					85-115	20
Cobalt, Total	0.500	0.500	100.					85-115	20
Copper, Total	0.250	0.260	104.					85-115	20
Iron, Total	1.00	1.03	103.					85-115	20
Lead, Total	0.530	0.533	100.					85-115	20
Magnesium, Total	10.0	10.4	104.					85-115	20
Manganese, Total	0.500	0.505	101.					85-115	20
Nickel, Total	0.500	0.513	103.					85-115	20
Potassium, Total	10.0	10.2	102.					85-115	20
Selenium, Total	0.120	0.118	98.					85-115	20
Silver, Total	0.0500	0.0546	109.					85-115	20
Sodium, Total	10.0	10.0	100.					85-115	20
Thallium, Total	0.120	0.118	98.					85-115	20
Vanadium, Total	0.500	0.530	106.					85-115	20
Zinc, Total	0.500	0.496	99.					85-115	20



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112698-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/12/25 09:45
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Dissolved	2.00	2.00	100.					85-115	20
Arsenic, Dissolved	0.120	0.122	102.					85-115	20
Barium, Dissolved	2.00	1.93	96.					85-115	20
Beryllium, Dissolved	0.0500	0.0489	98.					85-115	20
Cadmium, Dissolved	0.0530	0.0524	99.					85-115	20
Calcium, Dissolved	10.0	10.1	101.					85-115	20
Chromium, Dissolved	0.200	0.197	98.					85-115	20
Cobalt, Dissolved	0.500	0.488	98.					85-115	20
Copper, Dissolved	0.250	0.239	96.					85-115	20
Iron, Dissolved	1.00	0.969	97.					85-115	20
Lead, Dissolved	0.530	0.535	101.					85-115	20
Magnesium, Dissolved	10.0	9.96	100.					85-115	20
Manganese, Dissolved	0.500	0.492	98.					85-115	20
Nickel, Dissolved	0.500	0.495	99.					85-115	20
Potassium, Dissolved	10.0	10.3	103.					85-115	20
Selenium, Dissolved	0.120	0.121	101.					85-115	20
Silver, Dissolved	0.0500	0.0504	101.					85-115	20
Sodium, Dissolved	10.0	10.3	103.					85-115	20
Thallium, Dissolved	0.120	0.121	101.					85-115	20
Vanadium, Dissolved	0.500	0.500	100.					85-115	20
Zinc, Dissolved	0.500	0.504	101.					85-115	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112698-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/12/25 15:17
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Antimony, Dissolved	0.500	0.480	96.					85-115	20



Form 8 Serial Dilutions

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Client Sample ID : NA
Lab Sample ID : L2555375-01
Serial Dilution ID : WG2112183-6

Lab Number : L2555938
Project Number : 2232.0006Y005
Matrix : WATER
Analysis Date : 09/11/25 16:59
Analysis Date : 09/11/25 17:07

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Copper, Total	0.295	0.283	4	20



Form 8 Serial Dilutions

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Client Sample ID : MW-13S
Lab Sample ID : L2555938-01
Serial Dilution ID : WG2112698-6

Lab Number : L2555938
Project Number : 2232.0006Y005
Matrix : WATER
Analysis Date : 09/12/25 09:48
Analysis Date : 09/12/25 10:01

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Calcium, Dissolved	104.	103.	1	20
Magnesium, Dissolved	24.4	23.7	3	20



Form 8 Serial Dilutions

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Client Sample ID : MW-13D
Lab Sample ID : L2555938-02
Serial Dilution ID : WG2112698-10

Lab Number : L2555938
Project Number : 2232.0006Y005
Matrix : WATER
Analysis Date : 09/12/25 10:04
Analysis Date : 09/12/25 10:40

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Calcium, Dissolved	11.4	11.0	4	20
Magnesium, Dissolved	4.96	4.82	3	20



U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	___
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	0.0001500	0.0000000	-0.0004550	0.0000000	0.0038670
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0002100	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	-0.0000350	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0017890	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	0.0000000	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0011610	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

EPA 200.7, EPA 6010D		Linear Dynamic Range					
		All values are in mg/L and are 90% of the established LDR concentration.					
Instrument ID:		Trace 4	Trace 5	Trace 6	Trace 7	Trace 8	Trace 9
2023 Complete		☐	☐	☐	☐	☐	☐
Ag	Silver	36	27	9	13	90	45
Al	Aluminum	900	540	450	900	900	900
As	Arsenic	90	54	90	72	180	90
B	Boron	90	90	9	45	90	54
Ba	Barium	90	27	18	13	135	27
Be	Beryllium	27	36	9	9	11	31
Ca	Calcium	450	900	675	900	900	900
Cd	Cadmium	11	9	9	11	27	18
Co	Cobalt	90	63	45	22	135	90
Cr	Chromium	45	63	9	45	157	90
Cu	Copper	90	54	45	45	90	67
Fe	Iron	630	900	450	450	540	540
K	Potassium	900	900	675	720	900	900
Mg	Magnesium	450	900	360	900	900	900
Mn	Manganese	90	31	90	67	90	90
Mo	Molybdenum	45	36	9	22	67	45
Na	Sodium	675	900	450	405	630	900
Ni	Nickel	90	45	45	22	135	90
Pb	Lead	180	180	90	90	225	90
S	Sulfur	-	90	-	-	-	-
Sb	Antimony	22	45	45	4.5	90	45
Se	Selenium	27	27	45	22	15	45
Si	Silica	45	90	22	22	90	45
Sn	Tin	45	45	13	22	72	45
Sr	Strontium	45	45	9	9	67	45
Ti	Titanium	45	90	9	90	72	45
Tl	Thallium	45	90	45	22	135	45
V	Vanadium	90	90	90	90	112	45
Zn	Zinc	45	27	45	22	63	22

Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2112183-1	09/09/25 13:05	-	50
WG2112183-2	09/09/25 13:05	-	50
WG2112183-3	09/09/25 13:05	-	50
WG2112183-4	09/09/25 13:05	-	50
WG2112183-6	09/09/25 13:05	-	50

Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555938-01	09/10/25 03:05	-	50
L2555938-02	09/10/25 03:05	-	50
L2555938-03	09/10/25 03:05	-	50
L2555938-04	09/10/25 03:05	-	50
L2555938-05	09/10/25 03:05	-	50
WG2112698-1	09/10/25 03:05	-	50
WG2112698-2	09/10/25 03:05	-	50
WG2112698-3	09/10/25 03:05	-	50
WG2112698-4	09/10/25 03:05	-	50
WG2112698-5	09/10/25 03:05	-	50
WG2112698-6	09/10/25 03:05	-	50
WG2112698-7	09/10/25 03:05	-	50
WG2112698-8	09/10/25 03:05	-	50
WG2112698-10	09/10/25 03:05	-	50



Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555938-01	09/09/25 13:05	-	50
L2555938-02	09/09/25 13:05	-	50
L2555938-03	09/09/25 13:05	-	50
L2555938-04	09/09/25 13:05	-	50
L2555938-05	09/09/25 13:05	-	50
WG2112183-7	09/09/25 13:05	-	50
WG2112183-8	09/09/25 13:05	-	50



Form 12 Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2112698-2	09/10/25 03:05	-	50

Form 13 Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE11
Start Date : 09/11/25 08:51

Lab Number : L2555938
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 09/11/25 17:11

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total				
R2009414-1 ICV	1	08:51:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-2 ICB	1	08:53:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-3 ICV	1	08:59:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-4 ICB	1	09:01:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-5 ICSEA	1	09:05:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-6 CCV	1	10:05:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-7 CCB	1	10:07:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-8 CCV	1	10:36:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-9 CCB	1	10:38:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-10 CCV	1	11:10:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-11 CCB	1	11:12:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-12 CCV	1	11:57:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-13 CCB	1	11:59:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-14 CCV	1	13:23:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-15 CCB	1	13:25:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-16 CCV	1	13:58:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-17 CCB	1	14:00:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-18 CCV	1	14:34:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-19 CCB	1	14:36:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-20 CCV	1	14:59:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-21 CCB	1	15:01:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-22 CCV	1	15:38:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-23 CCB	1	15:40:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-24 CCV	1	16:03:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-25 CCB	1	16:05:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-26 CCV	1	16:42:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009414-27 CCB	1	16:45:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE11
Start Date : 09/11/25 08:51

Lab Number : L2555938
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 09/11/25 17:11

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : TRACE9
 Start Date : 09/12/25 06:40

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Analysis Method : 19,200.7
 End Date : 09/12/25 11:15

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved				
R2009914-1 ICV	1	06:40:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-2 ICB	1	06:43:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-3 ICSEA	1	07:04:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-4 CCV	1	07:50:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-5 CCB	1	07:53:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-6 CCV	1	08:28:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-7 CCB	1	08:32:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112698-1 BLANK	1	09:41:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112698-2 LCS	1	09:45:14	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555938-01	1	09:48:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112698-3 MS	1	09:51:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112698-4 DUP	1	09:54:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112698-5 PS	1	09:58:09		X																								
WG2112698-6 SERDIL	5	10:01:21						X						X														
L2555938-02	1	10:04:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112698-7 MS	1	10:07:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112698-8 DUP	1	10:11:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-8 CCV	1	10:18:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-9 CCB	1	10:22:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112698-10 SERDIL	5	10:40:47						X						X														
L2555938-03	1	10:44:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555938-04	1	10:47:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555938-05	1	10:50:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-10 CCV	1	11:11:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-11 CCB	1	11:15:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				

Form 13 Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9
Start Date : 09/12/25 06:40

Lab Number : L2555938
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 09/12/25 16:17

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total				
R2009914-1 ICV	1	06:40:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-2 ICB	1	06:43:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-3 ICSEA	1	07:04:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-4 CCV	1	07:50:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-5 CCB	1	07:53:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-6 CCV	1	08:28:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-7 CCB	1	08:32:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-8 CCV	1	10:18:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-9 CCB	1	10:22:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-10 CCV	1	11:11:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-11 CCB	1	11:15:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-12 CCV	1	12:02:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-13 CCB	1	12:05:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-14 CCV	1	13:03:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-15 CCB	1	13:06:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-16 CCV	1	13:25:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-17 CCB	1	13:29:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112183-7 MS	1	14:50:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2112183-8 DUP	1	14:53:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-18 CCV	1	15:19:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-19 CCB	1	15:22:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555938-01	1	15:29:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555938-02	1	15:33:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555938-03	1	15:36:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555938-04	1	15:39:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2555938-05	1	15:42:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R2009914-20 CCV	1	16:14:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : TRACE9
Start Date : 09/12/25 06:40

Lab Number : L2555938
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 09/12/25 16:17

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID :
Start Date : 09/12/25 07:43

Lab Number : L2555938
Project Number : 2232.0006Y005
Analysis Method :
End Date : 09/12/25 15:58

[illegible]

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: XBlank DHL Trace11
Analysis started at: 9/11/2025 8:45:28 AM
Comment: <Comment>
Rack Number: 0
Vial Numbers: 1

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: Blank DHL Trace11
Analysis started at: 9/11/2025 8:47:34 AM
Comment: <Comment>
Rack Number: 0
Vial Numbers: 1

Concentration average	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.5 %	-6.1 %	-0.4 %	0.3 %	0.1 %	-0.4 %	0.1 %
Concentration average	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.3 %	1.2 %	0.1 %	0.2 %	-1.0 %	-0.5 %	0.2 %
Concentration average	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	3.5 %	-2.1 %	1.4 %	0.1 %	-0.1 %	0.9 %	0.9 %
Concentration average	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.5 %	0.2 %	4.9 %	0.3 %	-0.2 %	-1.1 %	0.3 %
Concentration average	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.6 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: ICAL

Analysis started at: 9/11/2025 8:49:39 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run	0.9958 ppm	25.0067 ppm	0.9978 ppm	0.9946 ppm	0.9968 ppm	0.9997 ppm	9.9943 ppm
Concentration per Run	0.9992 ppm	24.9386 ppm	0.9997 ppm	1.0041 ppm	0.9999 ppm	0.9990 ppm	9.9924 ppm
Concentration per Run	1.0051 ppm	25.0546 ppm	1.0025 ppm	1.0013 ppm	1.0033 ppm	1.0013 ppm	10.0133 ppm
Concentration RSD	0.5 %	0.2 %	0.2 %	0.5 %	0.3 %	0.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run	0.9971 ppm	1.0038 ppm	1.0007 ppm	1.0038 ppm	25.0185 ppm	34.8222 ppm	1.0066 ppm
Concentration per Run	1.0004 ppm	1.0050 ppm	0.9984 ppm	0.9974 ppm	24.9137 ppm	35.0430 ppm	0.9894 ppm
Concentration per Run	1.0025 ppm	0.9912 ppm	1.0050 ppm	1.0018 ppm	25.0678 ppm	36.1348 ppm	1.0040 ppm
Concentration RSD	0.3 %	0.8 %	0.5 %	0.2 %	0.3 %	0.5 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	9.8672 ppm	0.9988 ppm	0.9981 ppm	24.9526 ppm	0.9948 ppm	1.0028 ppm	0.9897 ppm
Concentration per Run	10.0892 ppm	0.9986 ppm	1.0089 ppm	25.0365 ppm	1.0040 ppm	0.9977 ppm	1.0117 ppm
Concentration per Run	10.0436 ppm	1.0016 ppm	0.9951 ppm	25.0109 ppm	1.0012 ppm	0.9995 ppm	0.9985 ppm
Concentration RSD	1.2 %	0.1 %	0.6 %	0.2 %	0.5 %	0.3 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	1.0058 ppm	9.9450 ppm	1.0006 ppm	0.9997 ppm	0.9911 ppm	0.9993 ppm	1.0016 ppm
Concentration per Run	0.9970 ppm	10.0627 ppm	0.9991 ppm	0.9991 ppm	1.0004 ppm	0.9999 ppm	0.9979 ppm
Concentration per Run	0.9973 ppm	9.9924 ppm	0.9928 ppm	1.0012 ppm	1.0085 ppm	1.0008 ppm	1.0005 ppm
Concentration RSD	0.5 %	0.6 %	0.7 %	0.1 %	0.9 %	0.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0000 ppm	99.4542 %	99.1908 %	99.1089 %	95.6764 %	99.4133 %	95.8605 %
Concentration per Run	0.9958 ppm	99.1908 %	99.4978 %	94.9352 %	94.9332 %	99.8041 %	95.8298 %
Concentration per Run	1.0072 ppm	98.4255 %	99.3521 %	95.1606 %	94.1566 %	99.9986 %	95.7552 %
Concentration per Run	0.9970 ppm	100.7462 %	98.4766 %	95.4855 %	97.9394 %	98.4372 %	95.9964 %
Concentration RSD	0.6 %	1.2 %	0.6 %	0.3 %	2.1 %	0.9 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

ICV

Sample: 9/11/2025 8:51:44 AM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4964 ppm	0.4753 ppm	0.4747 ppm	0.4871 ppm	0.4919 ppm	0.5046 ppm	0.4895 ppm
Concentration per Run	0.4994 ppm	0.4727 ppm	0.4694 ppm	0.4927 ppm	0.5048 ppm	0.4914 ppm	0.4914 ppm
Concentration per Run	0.4945 ppm	0.4703 ppm	0.4745 ppm	0.4815 ppm	0.4933 ppm	0.5040 ppm	0.4890 ppm
Concentration per Run	0.4953 ppm	0.4828 ppm	0.4802 ppm	0.4871 ppm	0.4897 ppm	0.5051 ppm	0.4882 ppm
Recovery Percentage	99.273 %	95.050 %	94.937 %	97.424 %	98.370 %	100.922 %	97.902 %
Concentration RSD	0.5 %	1.4 %	1.1 %	1.2 %	0.4 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5074 ppm	0.4937 ppm	0.4988 ppm	0.5084 ppm	0.5007 ppm	5.1315 ppm	0.5135 ppm
Concentration per Run	0.5110 ppm	0.4956 ppm	0.4994 ppm	0.5089 ppm	0.5011 ppm	5.1562 ppm	0.5190 ppm
Concentration per Run	0.5031 ppm	0.4942 ppm	0.4981 ppm	0.5077 ppm	0.4992 ppm	5.1345 ppm	0.5004 ppm
Concentration per Run	0.5082 ppm	0.4913 ppm	0.4989 ppm	0.5086 ppm	0.5018 ppm	5.1040 ppm	0.5212 ppm
Recovery Percentage	101.484 %	98.742 %	99.758 %	101.680 %	100.143 %	102.631 %	102.709 %
Concentration RSD	0.8 %	0.4 %	0.1 %	0.1 %	0.3 %	0.5 %	2.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5123 ppm	0.5052 ppm	0.4797 ppm	10.1029 ppm	0.5082 ppm	0.4934 ppm	0.5052 ppm
Concentration per Run	0.5178 ppm	0.5069 ppm	0.4829 ppm	10.1152 ppm	0.5102 ppm	0.4879 ppm	0.5061 ppm
Concentration per Run	0.5075 ppm	0.5059 ppm	0.4762 ppm	10.1118 ppm	0.5059 ppm	0.4951 ppm	0.5036 ppm
Concentration per Run	0.5117 ppm	0.5028 ppm	0.4800 ppm	10.0818 ppm	0.5086 ppm	0.4972 ppm	0.5060 ppm
Recovery Percentage	102.467 %	101.035 %	95.932 %	101.029 %	101.650 %	98.680 %	101.043 %
Concentration RSD	1.0 %	0.4 %	0.7 %	0.2 %	0.4 %	1.0 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4783 ppm	5.2943 ppm	0.4793 ppm	0.4961 ppm	0.5081 ppm	0.4996 ppm	0.5002 ppm
Concentration per Run	0.4748 ppm	5.3336 ppm	0.4790 ppm	0.4968 ppm	0.5141 ppm	0.4958 ppm	0.5033 ppm
Concentration per Run	0.4786 ppm	5.2603 ppm	0.4804 ppm	0.4953 ppm	0.5041 ppm	0.4987 ppm	0.4974 ppm
Concentration per Run	0.4814 ppm	5.2889 ppm	0.4786 ppm	0.4962 ppm	0.5063 ppm	0.5044 ppm	0.4998 ppm
Recovery Percentage	95.653 %	100.843 %	95.865 %	99.224 %	101.628 %	99.928 %	100.032 %
Concentration RSD	0.7 %	0.7 %	0.2 %	0.1 %	1.0 %	0.9 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4979 ppm	102.9641 %	100.1074 %	101.6114 %	100.9711 %	100.3387 %	100.7803 %
Concentration per Run	0.5018 ppm	102.6112 %	99.2493 %	102.6183 %	100.3926 %	99.6774 %	101.8087 %
Concentration per Run	0.4937 ppm	103.3776 %	100.7151 %	100.7968 %	101.9955 %	101.5262 %	99.8879 %
Concentration per Run	0.4980 ppm	102.9034 %	100.3577 %	101.4189 %	100.5252 %	99.8123 %	100.6442 %
Recovery Percentage	99.572 %						
Concentration RSD	0.8 %	0.4 %	0.8 %	0.9 %	0.9 %	1.0 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

ICB

Sample: Analysis started at: 9/11/2025 8:53:48 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0031 ppm	0.0013 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run	0.0002 ppm	-0.0117 ppm	0.0019 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0010 ppm
Concentration per Run	-0.0007 ppm	0.0027 ppm	0.0019 ppm	0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0034 ppm
Recovery Percentage	-2.102 %	-3.125 %	26.648 %	1.074 %	0.606 %	1.121 %	1.031 %
Concentration RSD	317.4 %	242.8 %	71.1 %	73.4 %	170.1 %	30.7 %	214.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0006 ppm	-0.0306 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0002 ppm	0.0003 ppm	0.0012 ppm	-0.0288 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0004 ppm	0.0004 ppm	-0.0203 ppm	0.0018 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm	0.0004 ppm	-0.0428 ppm	0.0010 ppm
Recovery Percentage	0.510 %	0.910 %	-0.276 %	-2.418 %	1.161 %	-1.226 %	25.869 %
Concentration RSD	427.8 %	176.5 %	1,165.2 %	183.5 %	95.8 %	37.2 %	32.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0046 ppm	0.0001 ppm	-0.0004 ppm	0.0002 ppm
Concentration per Run	-0.0010 ppm	-0.0001 ppm	-0.0001 ppm	0.0015 ppm	-0.0004 ppm	-0.0014 ppm	-0.0005 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	-0.0006 ppm	0.0019 ppm	0.0003 ppm	-0.0005 ppm	0.0025 ppm
Concentration per Run	0.0021 ppm	-0.0001 ppm	-0.0002 ppm	0.0103 ppm	0.0004 ppm	0.0008 ppm	-0.0013 ppm
Recovery Percentage	0.149 %	-0.562 %	-0.586 %	0.228 %	0.468 %	-3.550 %	0.403 %
Concentration RSD	1,158.8 %	208.5 %	87.5 %	109.9 %	386.4 %	318.8 %	1,014.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0044 ppm	-0.0006 ppm	-0.0007 ppm	-0.0001 ppm	0.0004 ppm	-0.0025 ppm	0.0001 ppm
Concentration per Run	0.0018 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0012 ppm	-0.0004 ppm
Concentration per Run	0.0021 ppm	0.0011 ppm	0.0006 ppm	0.0000 ppm	-0.0002 ppm	0.0015 ppm	-0.0002 ppm
Recovery Percentage	27.585 %	0.127 %	-0.060 %	-0.286 %	0.434 %	-3.726 %	-1.608 %
Concentration RSD	51.3 %	169.5 %	2,149.4 %	128.6 %	629.5 %	271.3 %	135.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	98.3741 %	97.4769 %	97.2538 %	99.4597 %	99.6572 %	97.7225 %
Concentration per Run	0.0003 ppm	98.0964 %	97.7884 %	97.2365 %	99.4465 %	101.0282 %	97.8282 %
Concentration per Run	0.0001 ppm	98.3757 %	97.4014 %	97.4067 %	99.1802 %	98.2982 %	97.8533 %
Concentration per Run	0.0001 ppm	98.6503 %	96.8408 %	97.1183 %	99.7524 %	99.6451 %	97.4861 %
Recovery Percentage	3.308 %	0.3 %	0.6 %	0.1 %	0.3 %	1.4 %	0.2 %
Concentration RSD	68.7 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

ICV

Sample: 9/11/2025 8:59:31 AM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4999 ppm	0.4712 ppm	0.4784 ppm	0.4876 ppm	0.4897 ppm	0.4982 ppm	0.4873 ppm
Concentration per Run	0.4998 ppm	0.4704 ppm	0.4771 ppm	0.4870 ppm	0.4891 ppm	0.4976 ppm	0.4884 ppm
Concentration per Run	0.5020 ppm	0.4688 ppm	0.4780 ppm	0.4885 ppm	0.4895 ppm	0.4982 ppm	0.4863 ppm
Concentration per Run	0.4978 ppm	0.4746 ppm	0.4799 ppm	0.4874 ppm	0.4906 ppm	0.4987 ppm	0.4870 ppm
Recovery Percentage	99.973 %	94.249 %	95.670 %	97.526 %	97.945 %	99.635 %	97.450 %
Concentration RSD	0.4 %	0.6 %	0.3 %	0.2 %	0.2 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5092 ppm	0.4963 ppm	0.5037 ppm	0.5107 ppm	0.4886 ppm	5.0627 ppm	0.5082 ppm
Concentration per Run	0.5088 ppm	0.4963 ppm	0.5035 ppm	0.5109 ppm	0.4873 ppm	5.0612 ppm	0.5073 ppm
Concentration per Run	0.5103 ppm	0.4974 ppm	0.5049 ppm	0.5113 ppm	0.4870 ppm	5.0835 ppm	0.5101 ppm
Concentration per Run	0.5084 ppm	0.4951 ppm	0.5026 ppm	0.5099 ppm	0.4915 ppm	5.0434 ppm	0.5072 ppm
Recovery Percentage	101.838 %	99.255 %	100.736 %	102.134 %	97.719 %	101.254 %	101.644 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.1 %	0.5 %	0.4 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5102 ppm	0.5004 ppm	0.4809 ppm	10.0933 ppm	0.5069 ppm	0.4918 ppm	0.5047 ppm
Concentration per Run	0.5085 ppm	0.5011 ppm	0.4800 ppm	10.1274 ppm	0.5052 ppm	0.4895 ppm	0.5046 ppm
Concentration per Run	0.5150 ppm	0.5004 ppm	0.4830 ppm	10.0444 ppm	0.5097 ppm	0.4952 ppm	0.5091 ppm
Concentration per Run	0.5072 ppm	0.4997 ppm	0.4796 ppm	10.1082 ppm	0.5058 ppm	0.4909 ppm	0.5003 ppm
Recovery Percentage	102.044 %	100.081 %	96.176 %	100.933 %	101.375 %	98.367 %	100.934 %
Concentration RSD	0.8 %	0.1 %	0.4 %	0.4 %	0.5 %	0.6 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4764 ppm	5.3752 ppm	0.4901 ppm	0.4952 ppm	0.5130 ppm	0.5012 ppm	0.5030 ppm
Concentration per Run	0.4796 ppm	5.3617 ppm	0.4879 ppm	0.4953 ppm	0.5129 ppm	0.4994 ppm	0.5027 ppm
Concentration per Run	0.4760 ppm	5.3952 ppm	0.4903 ppm	0.4936 ppm	0.5162 ppm	0.5029 ppm	0.5034 ppm
Concentration per Run	0.4735 ppm	5.3686 ppm	0.4921 ppm	0.4967 ppm	0.5099 ppm	0.5015 ppm	0.5028 ppm
Recovery Percentage	95.273 %	102.384 %	98.026 %	99.037 %	102.600 %	100.250 %	100.594 %
Concentration RSD	0.6 %	0.3 %	0.4 %	0.3 %	0.6 %	0.4 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4996 ppm	102.7626 %	100.8472 %	101.4364 %	101.1767 %	102.5858 %	100.4364 %
Concentration per Run	0.4993 ppm	102.7204 %	100.4474 %	101.4747 %	101.6748 %	102.6730 %	100.4751 %
Concentration per Run	0.5010 ppm	102.4768 %	100.7370 %	101.8795 %	100.8820 %	101.9811 %	100.8776 %
Concentration per Run	0.4984 ppm	103.0907 %	101.3573 %	100.9550 %	100.9733 %	103.1032 %	99.9564 %
Recovery Percentage	99.916 %						
Concentration RSD	0.3 %	0.3 %	0.5 %	0.5 %	0.4 %	0.6 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

ICB

Sample: 9/11/2025 9:01:38 AM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0037 ppm	0.0012 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0014 ppm
Concentration per Run	0.0000 ppm	0.0040 ppm	0.0017 ppm	-0.0011 ppm	0.0000 ppm	0.0000 ppm	-0.0027 ppm
Concentration per Run	-0.0003 ppm	-0.0037 ppm	0.0000 ppm	0.0010 ppm	-0.0003 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run	0.0000 ppm	0.0108 ppm	0.0019 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm
Recovery Percentage	-1.654 %	3.699 %	23.582 %	1.158 %	-1.069 %	0.395 %	-1.411 %
Concentration RSD	170.3 %	196.3 %	89.4 %	360.4 %	186.4 %	43.2 %	132.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0003 ppm	-0.0378 ppm	0.0016 ppm
Concentration per Run	0.0002 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0396 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	-0.0004 ppm	0.0005 ppm	-0.0441 ppm	0.0030 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0007 ppm	-0.0007 ppm	0.0003 ppm	-0.0298 ppm	0.0007 ppm
Recovery Percentage	2.050 %	-0.738 %	-4.123 %	-4.123 %	0.598 %	-1.514 %	32.434 %
Concentration RSD	72.1 %	97.3 %	282.2 %	67.2 %	81.5 %	19.3 %	75.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0058 ppm	0.0001 ppm	-0.0002 ppm	0.0017 ppm
Concentration per Run	-0.0017 ppm	0.0000 ppm	-0.0002 ppm	-0.0019 ppm	0.0001 ppm	-0.0004 ppm	0.0013 ppm
Concentration per Run	0.0019 ppm	-0.0002 ppm	0.0003 ppm	0.0051 ppm	0.0005 ppm	-0.0005 ppm	0.0014 ppm
Concentration per Run	0.0012 ppm	-0.0001 ppm	-0.0003 ppm	0.0142 ppm	-0.0002 ppm	0.0003 ppm	0.0024 ppm
Recovery Percentage	0.465 %	-1.138 %	-0.098 %	0.289 %	0.491 %	-2.012 %	3.409 %
Concentration RSD	413.2 %	104.0 %	660.8 %	139.5 %	258.4 %	231.4 %	35.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	-0.0022 ppm	0.0004 ppm	0.0000 ppm	-0.0004 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0008 ppm	-0.0028 ppm	0.0006 ppm	0.0001 ppm	-0.0006 ppm	0.0012 ppm	-0.0004 ppm
Concentration per Run	0.0020 ppm	-0.0024 ppm	0.0006 ppm	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	0.0013 ppm	-0.0014 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm
Recovery Percentage	13.800 %	-0.443 %	0.741 %	0.297 %	-3.763 %	2.863 %	-1.606 %
Concentration RSD	43.7 %	33.1 %	98.5 %	156.4 %	53.4 %	94.9 %	139.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0001 ppm	100.2076 %	98.6116 %	99.4801 %	100.9721 %	101.7089 %	99.8134 %
Concentration per Run	-0.0003 ppm	100.3197 %	99.4269 %	99.1525 %	100.9483 %	102.6771 %	99.3796 %
Concentration per Run	0.0001 ppm	97.5127 %	99.6251 %	99.3634 %	100.3883 %	100.6271 %	99.8699 %
Concentration per Run	-0.0001 ppm	100.6780 %	98.8953 %	99.9243 %	101.5795 %	101.8217 %	100.1907 %
Recovery Percentage	-1.374 %						
Concentration RSD	301.5 %	0.5 %	1.0 %	0.4 %	0.6 %	1.0 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 9:03:42 AM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0048 ppm	0.0997 ppm	0.0060 ppm	0.0312 ppm	0.0104 ppm	0.0053 ppm	0.1065 ppm
Concentration per Run	0.0052 ppm	0.0922 ppm	0.0065 ppm	0.0293 ppm	0.0105 ppm	0.0053 ppm	0.1109 ppm
Concentration per Run	0.0043 ppm	0.1056 ppm	0.0039 ppm	0.0328 ppm	0.0103 ppm	0.0053 ppm	0.1048 ppm
Concentration per Run	0.0049 ppm	0.1013 ppm	0.0075 ppm	0.0316 ppm	0.0103 ppm	0.0053 ppm	0.1037 ppm
Recovery Percentage	96.555 %	99.694 %	119.683 %	104.104 %	103.625 %	106.028 %	106.453 %
Concentration RSD	9.1 %	6.9 %	31.4 %	5.8 %	0.8 %	0.8 %	3.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0043 ppm	0.0108 ppm	0.0108 ppm	0.0105 ppm	0.0574 ppm	2.6689 ppm	0.0128 ppm
Concentration per Run	0.0043 ppm	0.0108 ppm	0.0108 ppm	0.0102 ppm	0.0574 ppm	2.6725 ppm	0.0131 ppm
Concentration per Run	0.0043 ppm	0.0112 ppm	0.0101 ppm	0.0105 ppm	0.0579 ppm	2.6551 ppm	0.0126 ppm
Concentration per Run	0.0043 ppm	0.0104 ppm	0.0106 ppm	0.0106 ppm	0.0568 ppm	2.6791 ppm	0.0125 ppm
Recovery Percentage	107.404 %	108.139 %	103.699 %	104.586 %	114.743 %	106.757 %	127.550 %
Concentration RSD	0.9 %	3.6 %	3.9 %	1.8 %	0.9 %	0.5 %	2.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1103 ppm	0.0104 ppm	0.0104 ppm	2.1124 ppm	0.0206 ppm	0.0108 ppm	0.0531 ppm
Concentration per Run	0.1095 ppm	0.0103 ppm	0.0507 ppm	2.0744 ppm	0.0197 ppm	0.0122 ppm	0.0563 ppm
Concentration per Run	0.1109 ppm	0.0104 ppm	0.0502 ppm	2.1400 ppm	0.0217 ppm	0.0106 ppm	0.0526 ppm
Concentration per Run	0.1105 ppm	0.0106 ppm	0.0502 ppm	2.1227 ppm	0.0202 ppm	0.0097 ppm	0.0505 ppm
Recovery Percentage	110.265 %	104.376 %	100.774 %	105.618 %	82.280 %	108.485 %	106.229 %
Concentration RSD	0.6 %	1.4 %	0.6 %	1.6 %	5.0 %	11.8 %	5.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0112 ppm	0.5353 ppm	0.0542 ppm	0.0102 ppm	0.0105 ppm	0.0212 ppm	0.0102 ppm
Concentration per Run	0.0116 ppm	0.5386 ppm	0.0542 ppm	0.0101 ppm	0.0106 ppm	0.0208 ppm	0.0099 ppm
Concentration per Run	0.0120 ppm	0.5312 ppm	0.0534 ppm	0.0102 ppm	0.0103 ppm	0.0214 ppm	0.0101 ppm
Concentration per Run	0.0100 ppm	0.5362 ppm	0.0551 ppm	0.0103 ppm	0.0106 ppm	0.0214 ppm	0.0105 ppm
Recovery Percentage	111.987 %	107.066 %	108.437 %	101.982 %	104.855 %	105.962 %	101.684 %
Concentration RSD	9.6 %	0.7 %	1.5 %	1.1 %	1.9 %	1.6 %	2.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0064 ppm	104.2171 %	101.9747 %	103.4011 %	103.2051 %	101.5441 %	101.9299 %
Concentration per Run	0.0061 ppm	104.4985 %	101.6715 %	103.5659 %	103.3656 %	98.1039 %	102.3073 %
Concentration per Run	0.0065 ppm	103.6297 %	101.9932 %	103.2095 %	102.4225 %	103.5884 %	101.6604 %
Concentration per Run	0.0066 ppm	104.5232 %	102.2594 %	103.4280 %	103.8272 %	102.9400 %	101.8219 %
Recovery Percentage	127.843 %						
Concentration RSD	4.4 %	0.5 %	0.3 %	0.2 %	0.7 %	3.0 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: ICSA

Analysis started at: 9/11/2025 9:05:47 AM

Comment: LDR +/-10%

Rack Number: 0

Vial Numbers: 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0017 ppm	486.9106 ppm	0.0001 ppm	0.0013 ppm	0.0016 ppm	0.0000 ppm	457.6783 ppm
Concentration per Run	0.0016 ppm	487.8848 ppm	0.0030 ppm	0.0019 ppm	0.0000 ppm	0.0000 ppm	458.0445 ppm
Concentration per Run	0.0022 ppm	487.5497 ppm	-0.0009 ppm	0.0009 ppm	0.0016 ppm	0.0000 ppm	458.6447 ppm
Concentration per Run	0.0014 ppm	485.2973 ppm	-0.0019 ppm	0.0010 ppm	0.0015 ppm	0.0000 ppm	456.3456 ppm
Recovery Percentage	24.614 %		1.035 %	4.178 %	15.907 %	1.099 %	
Concentration RSD	25.5 %	0.3 %	4.966 %	44.0 %	2.7 %	11.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0053 ppm	0.0005 ppm	0.0000 ppm	0.0048 ppm	0.0048 ppm	0.0857 ppm	-0.0071 ppm
Concentration per Run	-0.0054 ppm	0.0006 ppm	-0.0004 ppm	0.0051 ppm	0.0051 ppm	0.0808 ppm	-0.0093 ppm
Concentration per Run	-0.0051 ppm	0.0001 ppm	0.0003 ppm	0.0046 ppm	0.0046 ppm	0.0719 ppm	-0.0099 ppm
Concentration per Run	-0.0054 ppm	0.0008 ppm	0.0008 ppm	0.0047 ppm	0.0047 ppm	0.1045 ppm	-0.0021 ppm
Recovery Percentage	-106.430 %	2.540 %	-0.090 %	48.166 %	3.429 %	3.429 %	-141.978 %
Concentration RSD	3.9 %	76.3 %	3.933 %	5.9 %	0.4 %	19.7 %	61.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	468.5318 ppm	-0.0019 ppm	-0.0007 ppm	0.0079 ppm	0.0008 ppm	-0.0041 ppm	-0.0058 ppm
Concentration per Run	468.2826 ppm	-0.0021 ppm	-0.0008 ppm	0.0134 ppm	0.0005 ppm	-0.0039 ppm	-0.0091 ppm
Concentration per Run	467.3193 ppm	-0.0018 ppm	-0.0008 ppm	0.0043 ppm	0.0010 ppm	-0.0061 ppm	-0.0057 ppm
Concentration per Run	469.9935 ppm	-0.0018 ppm	-0.0006 ppm	0.0059 ppm	0.0009 ppm	-0.0022 ppm	-0.0026 ppm
Recovery Percentage		-18.971 %	-1.456 %	0.395 %	3.263 %	-40.533 %	-11.559 %
Concentration RSD	0.3 %	8.4 %	19.8 %	61.7 %	34.0 %	48.1 %	56.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0061 ppm	0.0084 ppm	0.0003 ppm	0.0052 ppm	0.0006 ppm	0.0001 ppm	-0.0012 ppm
Concentration per Run	0.0058 ppm	0.0043 ppm	-0.0014 ppm	0.0050 ppm	0.0003 ppm	-0.0019 ppm	-0.0014 ppm
Concentration per Run	0.0057 ppm	0.0080 ppm	0.0014 ppm	0.0053 ppm	0.0009 ppm	-0.0001 ppm	-0.0011 ppm
Concentration per Run	0.0067 ppm	0.0129 ppm	0.0010 ppm	0.0052 ppm	0.0007 ppm	0.0023 ppm	-0.0011 ppm
Recovery Percentage	60.721 %	1.679 %	0.634 %	51.614 %	6.034 %	0.450 %	-12.143 %
Concentration RSD	8.8 %	51.7 %	484.7 %	2.3 %	52.9 %	2.351 %	12.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0052 ppm	90.2153 %	95.6847 %	79.6129 %	87.9938 %	96.9092 %	87.1660 %
Concentration per Run	-0.0052 ppm	90.1189 %	95.5571 %	80.0291 %	87.4660 %	97.4394 %	87.6498 %
Concentration per Run	-0.0052 ppm	90.3171 %	95.0528 %	79.0202 %	88.0567 %	96.3617 %	86.4094 %
Concentration per Run	-0.0053 ppm	90.2101 %	96.4441 %	79.7895 %	88.4587 %	96.9266 %	87.4388 %
Recovery Percentage	-104.293 %						
Concentration RSD	1.3 %	0.1 %	0.7 %	0.7 %	0.6 %	0.6 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: SIC Multi
Analysis started at: 9/11/2025 9:20:43 AM
Comment: LDR +/-10%
Rack Number: 0
Vial Numbers: 7

	Ag 328.068 Axial-I(FR)	Al 396.152 Radial-I(FR)	As 189.042 Axial-eUV	B 208.959 Axial-I(FR)	Ba 455.403 Radial-I(FR)	Be 313.042 Radial-I(FR)	Ca 315.887 Radial-I(FR)
Concentration average	0.0003 ppm	0.0250 ppm	0.0016 ppm	0.0035 ppm	0.0010 ppm	-0.0006 ppm	-0.0251 ppm
Concentration per Run	-0.0003 ppm	0.0281 ppm	0.0004 ppm	0.0042 ppm	-0.0007 ppm	-0.0240 ppm	-0.0240 ppm
Concentration per Run	0.0001 ppm	0.0224 ppm	0.0024 ppm	0.0021 ppm	0.0009 ppm	-0.0004 ppm	-0.0199 ppm
Concentration per Run	0.0009 ppm	0.0244 ppm	0.0021 ppm	0.0041 ppm	0.0011 ppm	-0.0007 ppm	-0.0313 ppm
Recovery Percentage	3.653 %	24.988 %	32.241 %	11.604 %	9.665 %	-14.666 %	-25.097 %
Concentration RSD	227.8 %	11.5 %	67.3 %	33.8 %	12.4 %	23.4 %	23.0 %

	Cd 214.438 Axial-I(FR)	Co 228.616 Axial-I(FR)	Cr 267.716 Axial-I(FR)	Cu 324.754 Axial-I(FR)	Fe 259.940 Radial-I(FR)	K 766.490 Radial-I(FR)	Li 670.776 Radial-I(FR)
Concentration average	0.0008 ppm	-0.0020 ppm	21.3710 ppm	-0.0020 ppm	0.0277 ppm	-0.0065 ppm	0.0009 ppm
Concentration per Run	0.0007 ppm	-0.0023 ppm	21.2689 ppm	-0.0019 ppm	0.0292 ppm	0.0016 ppm	0.0008 ppm
Concentration per Run	0.0008 ppm	-0.0016 ppm	21.4907 ppm	-0.0020 ppm	0.0267 ppm	0.0163 ppm	0.0004 ppm
Concentration per Run	0.0008 ppm	-0.0020 ppm	21.3532 ppm	-0.0022 ppm	0.0270 ppm	-0.0373 ppm	0.0016 ppm
Recovery Percentage	15.832 %	-9.911 %	213.709620 %	-20.377 %	55.325 %	-0.259 %	18.224 %
Concentration RSD	9.0 %	19.6 %	0.5 %	7.1 %	5.0 %	428.2 %	66.4 %

	Mg 279.079 Axial-I(FR)	Mn 257.610 Radial-I(FR)	Mo 202.030 Axial-I(FR)	Na 589.592 Radial-I(FR)	Ni 231.604 Axial-I(FR)	Pb 220.353 Axial-eUV	Sb 206.833 Axial-I(FR)
Concentration average	-0.0253 ppm	21.0780 [SIC 80]	-0.0006 ppm	0.0196 ppm	0.0008 ppm	-0.0010 ppm	-0.0195 ppm
Concentration per Run	-0.0260 ppm	21.1135 ppm	-0.0006 ppm	0.0239 ppm	0.0009 ppm	-0.0007 ppm	-0.0240 ppm
Concentration per Run	-0.0250 ppm	21.0713 ppm	-0.0004 ppm	0.0233 ppm	-0.0004 ppm	-0.0008 ppm	-0.0172 ppm
Concentration per Run	-0.0249 ppm	21.0492 ppm	-0.0009 ppm	0.0116 ppm	0.0006 ppm	-0.0014 ppm	-0.0183 ppm
Recovery Percentage	-25.305 %	210.779857 %	-1.278 %	0.980 %	3.275 %	-9.742 %	-39.657 %
Concentration RSD	2.4 %	0.2 %	38.3 %	35.2 %	18.7 %	37.5 %	18.3 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-I(FR)	Sn 189.989 Axial-I(FR)	Sr 421.552 Radial-I(FR)	Ti 334.904 Axial-I(FR)	Ti 190.856 Axial-eUV	V 282.402 Axial-I(FR)
Concentration average	-0.0001 ppm	0.1819 ppm	0.0026 ppm	0.0008 ppm	21.4131 ppm	-0.0213 ppm	10.5063 [SIC x4]
Concentration per Run	-0.0005 ppm	0.1695 ppm	0.0024 ppm	0.0007 ppm	21.5509 ppm	-0.0183 ppm	10.5157 ppm
Concentration per Run	0.0013 ppm	0.1818 ppm	0.0014 ppm	0.0009 ppm	21.4241 ppm	-0.0235 ppm	10.5225 ppm
Concentration per Run	-0.0009 ppm	0.1942 ppm	0.0040 ppm	0.0008 ppm	21.2641 ppm	-0.0221 ppm	10.4806 ppm
Recovery Percentage	-0.508 %	36.371 %	5.249 %	7.783 %	214.130707 %	-106.417 %	105.062629 %
Concentration RSD	2,283.0 %	6.8 %	49.6 %	13.6 %	0.7 %	12.6 %	0.2 %

	Zn 206.200 Axial-I(FR)	Sc 361.384 Axial-I(FR)	Sc 361.384 Radial-I(FR)	Sc 227.318 Axial-eUV	Y 360.073 Axial-I(FR)	Y 371.030 Radial-I(FR)	Y 224.306 Axial-eUV
Concentration average	0.0014 ppm	102.8721 %	102.5507 %	102.3479 %	101.3117 %	103.0185 %	101.0659 %
Concentration per Run	0.0011 ppm	103.2356 %	102.5619 %	102.6022 %	101.4415 %	102.3289 %	100.7896 %
Concentration per Run	0.0019 ppm	102.1291 %	102.8893 %	102.2724 %	100.8706 %	104.2503 %	101.3505 %
Concentration per Run	0.0013 ppm	103.2515 %	102.2008 %	102.1692 %	101.6232 %	102.4764 %	101.0575 %
Recovery Percentage	28.816 %						
Concentration RSD	26.3 %	0.6 %	0.3 %	0.2 %	0.4 %	1.0 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR Check
Analysis started at: 9/11/2025 9:22:59 AM
Comment: LDR +/-10%
Rack Number: 0
Vial Numbers: 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	-0.0153 ppm	5.6052 ppm	5.1765 [SIC 50]	9.9095 ppm	0.0003 ppm	0.0046 ppm
Concentration per Run	0.0000 ppm	-0.0252 ppm	5.6017 ppm	5.1387 ppm	9.9299 ppm	0.0003 ppm	0.0038 ppm
Concentration per Run	-0.0001 ppm	-0.0088 ppm	5.5887 ppm	5.1809 ppm	9.9005 ppm	0.0003 ppm	0.0083 ppm
Concentration per Run	0.0001 ppm	-0.0118 ppm	5.6251 ppm	5.2100 ppm	9.8980 ppm	0.0002 ppm	0.0018 ppm
Recovery Percentage			112.103 %	103.530 %	99.095 %		
Concentration RSD	557.4 %	57.1 %	0.3 %	0.7 %	0.2 %	9.8 %	71.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	-0.0025 ppm	0.0002 ppm	20.0773 [SIC 100]	0.0004 ppm	316.1642 ppm	4.9559 ppm
Concentration per Run	0.0007 ppm	-0.0028 ppm	0.0008 ppm	20.0445 ppm	-0.0007 ppm	315.3602 ppm	4.9707 ppm
Concentration per Run	0.0004 ppm	-0.0023 ppm	0.0001 ppm	20.0563 ppm	0.0013 ppm	316.9077 ppm	4.9918 ppm
Concentration per Run	0.0007 ppm	-0.0024 ppm	-0.0002 ppm	20.1310 ppm	0.0006 ppm	316.2247 ppm	4.9054 ppm
Recovery Percentage	0.000 %	0.000 %		100.386 %		105.388 %	
Concentration RSD	22.2 %	10.8 %	224.9 %	0.2 %	246.8 %	0.2 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0023 ppm	0.0003 ppm	0.0003 ppm	471.8105 ppm	10.3752 [SIC 100]	50.9601 ppm	-0.0012 ppm
Concentration per Run	-0.0015 ppm	0.0003 ppm	5.1767 ppm	472.0548 ppm	10.3851 ppm	51.2226 ppm	-0.0027 ppm
Concentration per Run	-0.0023 ppm	0.0002 ppm	5.1660 ppm	470.1261 ppm	10.3299 ppm	51.0087 ppm	-0.0026 ppm
Concentration per Run	-0.0030 ppm	0.0004 ppm	5.1903 ppm	473.2507 ppm	10.4105 ppm	50.6490 ppm	0.0016 ppm
Recovery Percentage		0.000 %	103.553 %	94.362 %	103.752 %	101.920 %	0.000 %
Concentration RSD	32.5 %	38.4 %	0.2 %	0.3 %	0.4 %	0.6 %	201.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	21.7912 [SIC 100]	0.0010 ppm	0.0007 ppm	0.0036 ppm	0.0001 ppm	0.0021 ppm
Concentration per Run	-0.0015 ppm	21.7766 ppm	0.0011 ppm	0.0007 ppm	0.0050 ppm	-0.0002 ppm	0.0025 ppm
Concentration per Run	0.0047 ppm	21.7829 ppm	0.0029 ppm	0.0007 ppm	0.0034 ppm	0.0004 ppm	0.0018 ppm
Concentration per Run	0.0014 ppm	21.8140 ppm	-0.0009 ppm	0.0006 ppm	0.0025 ppm	0.0001 ppm	0.0020 ppm
Recovery Percentage	0.000 %	108.956 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	200.1 %	0.1 %	182.0 %	7.3 %	35.7 %	358.9 %	16.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	20.5635 [SIC 60]	91.2242 %	97.1041 %	87.0139 %	88.9057 %	96.6350 %	88.6466 %
Concentration per Run	20.4787 ppm	92.4249 %	96.6229 %	86.6440 %	90.1677 %	96.2274 %	88.3090 %
Concentration per Run	20.5270 ppm	97.8272 %	86.8668 %	88.5312 %	88.6753 %	96.2274 %	88.6753 %
Concentration per Run	20.6849 ppm	90.1991 %	96.8622 %	87.5310 %	88.0181 %	96.7762 %	88.9553 %
Recovery Percentage	102.818 %						
Concentration RSD	0.5 %	1.2 %	0.7 %	0.5 %	1.3 %	0.4 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LLOQ_005

Analysis started at: 9/11/2025 9:37:23 AM

Comment: <Comment>

Rack Number

1

Vial Numbers

1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0051 ppm	0.0017 ppm	0.0068 ppm	0.0060 ppm	0.0054 ppm	0.0053 ppm	0.0129 ppm
Concentration per Run	0.0052 ppm	0.0136 ppm	0.0060 ppm	0.0071 ppm	0.0054 ppm	0.0054 ppm	0.0125 ppm
Concentration per Run	0.0051 ppm	-0.0044 ppm	0.0068 ppm	0.0046 ppm	0.0055 ppm	0.0052 ppm	0.0133 ppm
Concentration per Run	0.0050 ppm	-0.0041 ppm	0.0068 ppm	0.0062 ppm	0.0053 ppm	0.0053 ppm	0.0129 ppm
Recovery Percentage	101.995 %	0.000 %	131.282 %	0.000 %	0.000 %	105.998 %	0.000 %
Concentration RSD	1.8 %	604.9 %	6.8 %	21.2 %	2.2 %	1.4 %	3.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0057 ppm	0.0060 ppm	0.0055 ppm	0.0052 ppm	0.0062 ppm	0.0279 ppm	0.0065 ppm
Concentration per Run	0.0058 ppm	0.0065 ppm	0.0056 ppm	0.0055 ppm	0.0064 ppm	0.0305 ppm	0.0063 ppm
Concentration per Run	0.0057 ppm	0.0059 ppm	0.0051 ppm	0.0049 ppm	0.0059 ppm	0.0293 ppm	0.0072 ppm
Concentration per Run	0.0055 ppm	0.0056 ppm	0.0058 ppm	0.0051 ppm	0.0062 ppm	0.0239 ppm	0.0061 ppm
Recovery Percentage	113.752 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	2.3 %	7.3 %	6.7 %	6.6 %	3.8 %	12.6 %	8.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0044 ppm	0.0054 ppm	0.0050 ppm	0.1136 ppm	0.0050 ppm	0.0057 ppm	0.0049 ppm
Concentration per Run	0.0041 ppm	0.0052 ppm	0.0050 ppm	0.1105 ppm	0.0047 ppm	0.0056 ppm	0.0049 ppm
Concentration per Run	0.0042 ppm	0.0055 ppm	0.0047 ppm	0.1199 ppm	0.0051 ppm	0.0061 ppm	0.0044 ppm
Concentration per Run	0.0048 ppm	0.0054 ppm	0.0051 ppm	0.1104 ppm	0.0053 ppm	0.0054 ppm	0.0053 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	8.4 %	3.4 %	4.9 %	4.8 %	6.0 %	6.4 %	9.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0074 ppm	0.0593 ppm	0.0063 ppm	0.0055 ppm	0.0053 ppm	0.0057 ppm	0.0052 ppm
Concentration per Run	0.0091 ppm	0.0617 ppm	0.0060 ppm	0.0055 ppm	0.0053 ppm	0.0067 ppm	0.0052 ppm
Concentration per Run	0.0070 ppm	0.0592 ppm	0.0063 ppm	0.0055 ppm	0.0053 ppm	0.0058 ppm	0.0054 ppm
Concentration per Run	0.0061 ppm	0.0571 ppm	0.0068 ppm	0.0054 ppm	0.0051 ppm	0.0047 ppm	0.0051 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	20.7 %	3.9 %	6.2 %	1.4 %	1.8 %	17.2 %	3.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0059 ppm	101.1879 %	99.3726 %	100.9085 %	102.0834 %	103.0978 %	100.8593 %
Concentration per Run	0.0060 ppm	101.9477 %	99.5863 %	101.6212 %	101.8294 %	102.7735 %	101.2569 %
Concentration per Run	0.0056 ppm	101.6018 %	99.2200 %	100.1708 %	102.0296 %	103.4379 %	100.4752 %
Concentration per Run	0.0060 ppm	101.0143 %	99.3115 %	100.9334 %	102.3912 %	103.0820 %	100.8458 %
Recovery Percentage	117.367 %	0.4 %	0.2 %	0.7 %	0.3 %	0.3 %	0.4 %
Concentration RSD	4.4 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: xLLOQ.01
Analysis started at: 9/11/2025 9:39:39 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0106 ppm	0.0126 ppm	0.0127 ppm	0.0123 ppm	0.0111 ppm	0.0110 ppm	0.0138 ppm
Concentration per Run	0.0110 ppm	0.0209 ppm	0.0135 ppm	0.0116 ppm	0.0111 ppm	0.0111 ppm	0.0103 ppm
Concentration per Run	0.0111 ppm	0.0084 ppm	0.0134 ppm	0.0120 ppm	0.0110 ppm	0.0109 ppm	0.0176 ppm
Concentration per Run	0.0097 ppm	0.0084 ppm	0.0113 ppm	0.0133 ppm	0.0112 ppm	0.0110 ppm	0.0136 ppm
Recovery Percentage	0.00 %	0.00 %	127.132 %	123.186 %	111.020 %	0.00 %	0.00 %
Concentration RSD	7.2 %	57.7 %	9.6 %	7.2 %	1.2 %	0.9 %	26.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0116 ppm	0.0120 ppm	0.0110 ppm	0.0111 ppm	0.0118 ppm	0.0920 ppm	0.0126 ppm
Concentration per Run	0.0115 ppm	0.0118 ppm	0.0105 ppm	0.0111 ppm	0.0109 ppm	0.0959 ppm	0.0127 ppm
Concentration per Run	0.0115 ppm	0.0122 ppm	0.0116 ppm	0.0106 ppm	0.0136 ppm	0.0841 ppm	0.0125 ppm
Concentration per Run	0.0116 ppm	0.0121 ppm	0.0110 ppm	0.0116 ppm	0.0108 ppm	0.0958 ppm	0.0125 ppm
Recovery Percentage	0.00 %	120.183 %	110.481 %	111.082 %	0.00 %	0.00 %	125.721 %
Concentration RSD	0.3 %	1.4 %	4.7 %	4.1 %	13.5 %	7.4 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0113 ppm	0.0111 ppm	0.0112 ppm	0.2310 ppm	0.0110 ppm	0.0119 ppm	0.0125 ppm
Concentration per Run	0.0131 ppm	0.0112 ppm	0.0105 ppm	0.2312 ppm	0.0116 ppm	0.0115 ppm	0.0120 ppm
Concentration per Run	0.0085 ppm	0.0111 ppm	0.0109 ppm	0.2331 ppm	0.0107 ppm	0.0124 ppm	0.0137 ppm
Concentration per Run	0.0123 ppm	0.0110 ppm	0.0105 ppm	0.2288 ppm	0.0107 ppm	0.0120 ppm	0.0120 ppm
Recovery Percentage	0.00 %	110.606 %	106.196 %	0.00 %	110.170 %	119.449 %	0.00 %
Concentration RSD	21.7 %	0.9 %	2.5 %	0.9 %	4.8 %	3.9 %	7.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0130 ppm	0.1207 ppm	0.0113 ppm	0.0112 ppm	0.0109 ppm	0.0112 ppm	0.0108 ppm
Concentration per Run	0.0103 ppm	0.1219 ppm	0.0109 ppm	0.0112 ppm	0.0106 ppm	0.0114 ppm	0.0109 ppm
Concentration per Run	0.0147 ppm	0.1214 ppm	0.0121 ppm	0.0111 ppm	0.0111 ppm	0.0108 ppm	0.0109 ppm
Concentration per Run	0.0140 ppm	0.1188 ppm	0.0108 ppm	0.0113 ppm	0.0108 ppm	0.0113 ppm	0.0108 ppm
Recovery Percentage	129.945 %	0.00 %	112.887 %	112.294 %	108.636 %	111.590 %	108.435 %
Concentration RSD	18.2 %	1.4 %	6.1 %	1.0 %	2.3 %	2.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0120 ppm	101.0888 %	99.7516 %	100.7227 %	101.3281 %	101.1705 %	100.0195 %
Concentration per Run	0.0123 ppm	101.3608 %	100.4162 %	100.9020 %	101.8996 %	101.3731 %	100.1275 %
Concentration per Run	0.0118 ppm	100.9097 %	99.1068 %	100.8487 %	100.7127 %	101.5055 %	100.1232 %
Concentration per Run	0.0119 ppm	100.9959 %	99.7316 %	100.4176 %	101.3721 %	100.6330 %	99.8079 %
Recovery Percentage	120.078 %						
Concentration RSD	2.1 %	0.2 %	0.7 %	0.3 %	0.6 %	0.5 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LLOQ_05

Analysis started at: 9/11/2025 9:41:43 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0483 ppm	0.0453 ppm	0.0497 ppm	0.0499 ppm	0.0506 ppm	0.0503 ppm	0.0522 ppm
Concentration per Run	0.0479 ppm	0.0453 ppm	0.0493 ppm	0.0479 ppm	0.0507 ppm	0.0505 ppm	0.0539 ppm
Concentration per Run	0.0486 ppm	0.0402 ppm	0.0496 ppm	0.0516 ppm	0.0504 ppm	0.0501 ppm	0.0516 ppm
Concentration per Run	0.0485 ppm	0.0503 ppm	0.0502 ppm	0.0501 ppm	0.0506 ppm	0.0504 ppm	0.0510 ppm
Recovery Percentage	0.00 %	90.550 %	0.00 %	0.00 %	0.00 %	0.00 %	104.315 %
Concentration RSD	0.7 %	11.2 %	0.9 %	3.7 %	0.3 %	0.4 %	2.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0509 ppm	0.0506 ppm	0.0506 ppm	0.0508 ppm	0.0524 ppm	0.5130 ppm	0.0542 ppm
Concentration per Run	0.0505 ppm	0.0507 ppm	0.0505 ppm	0.0504 ppm	0.0532 ppm	0.5337 ppm	0.0560 ppm
Concentration per Run	0.0511 ppm	0.0504 ppm	0.0511 ppm	0.0510 ppm	0.0539 ppm	0.4945 ppm	0.0526 ppm
Concentration per Run	0.0510 ppm	0.0507 ppm	0.0508 ppm	0.0507 ppm	0.0502 ppm	0.5107 ppm	0.0540 ppm
Recovery Percentage	0.00 %	0.00 %	0.00 %	0.00 %	104.843 %	20.519 %	0.00 %
Concentration RSD	0.7 %	0.4 %	1.0 %	0.7 %	3.8 %	3.8 %	3.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0516 ppm	0.0512 ppm	0.0478 ppm	1.0624 ppm	0.0513 ppm	0.0504 ppm	0.0512 ppm
Concentration per Run	0.0507 ppm	0.0514 ppm	0.0477 ppm	1.0682 ppm	0.0509 ppm	0.0524 ppm	0.0524 ppm
Concentration per Run	0.0522 ppm	0.0511 ppm	0.0482 ppm	1.0573 ppm	0.0508 ppm	0.0501 ppm	0.0516 ppm
Concentration per Run	0.0521 ppm	0.0512 ppm	0.0473 ppm	1.0617 ppm	0.0521 ppm	0.0509 ppm	0.0497 ppm
Recovery Percentage	103.298 %	0.00 %	0.00 %	106.239 %	0.00 %	0.00 %	102.441 %
Concentration RSD	1.7 %	0.3 %	0.9 %	0.5 %	1.4 %	0.8 %	2.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0488 ppm	0.5334 ppm	0.0492 ppm	0.0512 ppm	0.0498 ppm	0.0506 ppm	0.0493 ppm
Concentration per Run	0.0498 ppm	0.5326 ppm	0.0476 ppm	0.0513 ppm	0.0498 ppm	0.0501 ppm	0.0488 ppm
Concentration per Run	0.0468 ppm	0.5358 ppm	0.0496 ppm	0.0511 ppm	0.0497 ppm	0.0509 ppm	0.0494 ppm
Concentration per Run	0.0498 ppm	0.5318 ppm	0.0503 ppm	0.0513 ppm	0.0499 ppm	0.0509 ppm	0.0497 ppm
Recovery Percentage	0.00 %	106.679 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %
Concentration RSD	3.5 %	0.4 %	2.8 %	0.3 %	0.2 %	0.9 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0505 ppm	104.0170 %	101.5956 %	103.8502 %	103.1691 %	103.8798 %	102.1310 %
Concentration per Run	0.0502 ppm	104.6642 %	101.6749 %	104.0370 %	103.6238 %	104.7951 %	101.9686 %
Concentration per Run	0.0504 ppm	103.4329 %	101.6245 %	103.4711 %	102.8550 %	102.6391 %	101.9772 %
Concentration per Run	0.0508 ppm	103.9539 %	101.4904 %	104.0426 %	103.0285 %	104.2053 %	102.4473 %
Recovery Percentage	101.008 %						
Concentration RSD	0.6 %	0.6 %	0.1 %	0.3 %	0.4 %	1.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR As 5
Analysis started at: 9/11/2025 9:43:48 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	-0.0027 ppm		0.0005 ppm	-0.0001 ppm	0.0001 ppm	0.0048 ppm
Concentration per Run	0.0002 ppm	0.0028 ppm	5.3809 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0065 ppm
Concentration per Run	0.0002 ppm	-0.0134 ppm	5.3949 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run	0.0001 ppm	0.0026 ppm	5.3826 ppm	-0.0005 ppm	-0.0002 ppm	0.0001 ppm	0.0061 ppm
Concentration RSD	58.0 %	347.6 %	0.3 %	170.7 %	136.5 %	54.4 %	54.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0008 ppm	0.0008 ppm	-0.0452 ppm	-0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0003 ppm	-0.0009 ppm	0.0005 ppm	-0.0012 ppm	-0.0012 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0001 ppm	-0.0007 ppm	0.0004 ppm	-0.0321 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0001 ppm	-0.0009 ppm	0.0015 ppm	-0.0508 ppm	-0.0001 ppm
Concentration RSD	456.3 %	46.5 %	160.2 %	11.8 %	76.2 %	25.1 %	607.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0005 ppm	0.0001 ppm	-0.0002 ppm	-0.0044 ppm	-0.0007 ppm	-0.0007 ppm	-0.0015 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0058 ppm	-0.0015 ppm	-0.0010 ppm	-0.0007 ppm
Concentration per Run	0.0016 ppm	0.0000 ppm	0.0000 ppm	-0.0047 ppm	-0.0009 ppm	-0.0011 ppm	0.0013 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	-0.0005 ppm	-0.0028 ppm	0.0005 ppm	0.0000 ppm	-0.0051 ppm
Concentration RSD	207.6 %	43.5 %	176.2 %	34.6 %	156.5 %	88.1 %	217.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	-0.0019 ppm	0.0003 ppm	-0.0001 ppm	-0.0004 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run	0.0003 ppm	-0.0021 ppm	-0.0006 ppm	0.0000 ppm	-0.0007 ppm	-0.0010 ppm	-0.0003 ppm
Concentration per Run	0.0063 ppm	-0.0011 ppm	0.0008 ppm	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	-0.0004 ppm
Concentration per Run	0.0054 ppm	-0.0025 ppm	0.0006 ppm	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm
Concentration RSD	81.5 %	36.2 %	271.7 %	70.3 %	52.3 %	151.5 %	135.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	103.9050 %	101.7943 %	103.1526 %	102.9926 %	104.0122 %	101.3935 %
Concentration per Run	0.0003 ppm	104.6739 %	102.0146 %	103.0576 %	103.5039 %	104.6009 %	101.2599 %
Concentration per Run	0.0008 ppm	103.0405 %	101.8145 %	102.6843 %	102.2090 %	104.2265 %	100.7299 %
Concentration per Run	0.0004 ppm	104.0006 %	101.5539 %	103.7158 %	103.2648 %	103.2092 %	102.1906 %
Concentration RSD	48.6 %	0.8 %	0.2 %	0.5 %	0.7 %	0.7 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: xLLOQ_005 As only
Analysis started at: 9/11/2025 9:53:35 AM
Comment: <Comment>
Rack Number 1
Vial Numbers 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0014 ppm	0.0071 ppm	0.0012 ppm	-0.0002 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run	-0.0002 ppm	-0.0002 ppm	0.0098 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0025 ppm
Concentration per Run	0.0001 ppm	0.0095 ppm	0.0055 ppm	0.0016 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0004 ppm	-0.0136 ppm	0.0060 ppm	0.0012 ppm	-0.0002 ppm	0.0001 ppm	0.0032 ppm
Recovery Percentage	-3.129 %	0.000 %	142.213 %	0.000 %	0.000 %	0.858 %	0.000 %
Concentration RSD	180.4 %	804.5 %	33.0 %	40.7 %	26.4 %	96.3 %	81.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	-0.0001 ppm	-0.0004 ppm	0.0013 ppm	-0.0400 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0006 ppm	-0.0003 ppm	0.0024 ppm	-0.0426 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0004 ppm	0.0005 ppm	-0.0395 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0009 ppm	-0.0380 ppm	0.0020 ppm
Recovery Percentage	0.318 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	250.8 %	154.1 %	456.9 %	25.0 %	77.4 %	5.9 %	79.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0013 ppm	-0.0001 ppm	-0.0003 ppm	-0.0040 ppm	-0.0008 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	-0.0072 ppm	-0.0005 ppm	0.0002 ppm	-0.0012 ppm
Concentration per Run	-0.0017 ppm	-0.0001 ppm	-0.0002 ppm	-0.0040 ppm	-0.0007 ppm	0.0004 ppm	-0.0023 ppm
Concentration per Run	-0.0022 ppm	-0.0002 ppm	-0.0003 ppm	-0.0009 ppm	-0.0011 ppm	-0.0010 ppm	0.0021 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	82.6 %	142.4 %	36.8 %	78.6 %	40.7 %	511.0 %	467.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	-0.0007 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0046 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0005 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	0.0005 ppm	0.0012 ppm	-0.0007 ppm	0.0000 ppm	-0.0009 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0032 ppm	0.0011 ppm	0.0007 ppm	0.0001 ppm	-0.0007 ppm	0.0003 ppm	-0.0002 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	74.6 %	156.8 %	1.354.6 %	495.7 %	26.5 %	126.4 %	173.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	100.8484 %	99.9987 %	100.9188 %	101.6548 %	103.4597 %	100.7375 %
Concentration per Run	0.0003 ppm	101.5545 %	99.7455 %	100.8653 %	102.3892 %	103.1297 %	100.4399 %
Concentration per Run	0.0007 ppm	100.6117 %	100.3204 %	100.1831 %	101.4200 %	102.8219 %	100.1337 %
Concentration per Run	0.0007 ppm	100.3790 %	99.9302 %	101.7081 %	101.1552 %	104.4277 %	101.6391 %
Recovery Percentage	11.484 %	0.6 %	0.3 %	0.8 %	0.6 %	0.8 %	0.8 %
Concentration RSD	36.1 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: xLLOQ

Analysis started at: 9/11/2025 9:56:36 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0049 ppm	0.1049 ppm	0.0068 ppm	0.0306 ppm	0.0104 ppm	0.0053 ppm	0.1074 ppm
Concentration per Run	0.0047 ppm	0.0960 ppm	0.0076 ppm	0.0312 ppm	0.0076 ppm	0.0053 ppm	0.1048 ppm
Concentration per Run	0.0048 ppm	0.1182 ppm	0.0085 ppm	0.0313 ppm	0.0105 ppm	0.0053 ppm	0.1088 ppm
Concentration per Run	0.0050 ppm	0.1005 ppm	0.0043 ppm	0.0294 ppm	0.0102 ppm	0.0054 ppm	0.1085 ppm
Recovery Percentage	97.259 %	104.888 %	135.488 %	102.077 %	104.070 %	106.875 %	107.373 %
Concentration RSD	2.9 %	11.2 %	32.7 %	3.6 %	1.3 %	1.4 %	2.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0043 ppm	0.0109 ppm	0.0104 ppm	0.0103 ppm	0.0577 ppm	2.6901 ppm	0.0145 ppm
Concentration per Run	0.0043 ppm	0.0107 ppm	0.0106 ppm	0.0103 ppm	0.0575 ppm	2.6894 ppm	0.0139 ppm
Concentration per Run	0.0044 ppm	0.0113 ppm	0.0106 ppm	0.0101 ppm	0.0581 ppm	2.6967 ppm	0.0164 ppm
Concentration per Run	0.0043 ppm	0.0105 ppm	0.0101 ppm	0.0106 ppm	0.0574 ppm	2.6841 ppm	0.0132 ppm
Recovery Percentage	108.132 %	108.646 %	104.189 %	103.440 %	115.351 %	107.602 %	145.364 %
Concentration RSD	1.1 %	3.8 %	2.7 %	2.0 %	0.7 %	0.2 %	11.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1125 ppm	0.0105 ppm	0.0513 ppm	2.1741 ppm	0.0204 ppm	0.0114 ppm	0.0542 ppm
Concentration per Run	0.1121 ppm	0.0106 ppm	0.0514 ppm	2.1783 ppm	0.0195 ppm	0.0126 ppm	0.0542 ppm
Concentration per Run	0.1116 ppm	0.0103 ppm	0.0518 ppm	2.1737 ppm	0.0213 ppm	0.0107 ppm	0.0541 ppm
Concentration per Run	0.1139 ppm	0.0105 ppm	0.0509 ppm	2.1701 ppm	0.0204 ppm	0.0108 ppm	0.0544 ppm
Recovery Percentage	112.545 %	104.857 %	102.683 %	108.704 %	81.653 %	113.569 %	108.441 %
Concentration RSD	1.1 %	1.4 %	0.9 %	0.2 %	4.6 %	9.2 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0113 ppm	0.5440 ppm	0.0530 ppm	0.0105 ppm	0.0101 ppm	0.0211 ppm	0.0103 ppm
Concentration per Run	0.0112 ppm	0.5464 ppm	0.0537 ppm	0.0105 ppm	0.0103 ppm	0.0202 ppm	0.0103 ppm
Concentration per Run	0.0120 ppm	0.5404 ppm	0.0518 ppm	0.0104 ppm	0.0099 ppm	0.0223 ppm	0.0101 ppm
Concentration per Run	0.0107 ppm	0.5452 ppm	0.0534 ppm	0.0105 ppm	0.0100 ppm	0.0208 ppm	0.0106 ppm
Recovery Percentage	112.939 %	108.806 %	105.987 %	104.684 %	100.723 %	105.441 %	103.173 %
Concentration RSD	5.6 %	0.6 %	1.9 %	0.5 %	2.4 %	5.0 %	2.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0065 ppm	103.8044 %	100.0876 %	102.5071 %	102.4237 %	101.7436 %	101.1015 %
Concentration per Run	0.0069 ppm	104.1144 %	100.2829 %	102.6482 %	102.6647 %	102.8280 %	101.2220 %
Concentration per Run	0.0064 ppm	103.3548 %	100.2819 %	102.9715 %	101.8286 %	101.1748 %	101.4971 %
Concentration per Run	0.0063 ppm	103.9440 %	99.6980 %	101.9015 %	102.7778 %	101.2281 %	100.5853 %
Recovery Percentage	130.418 %						
Concentration RSD	5.0 %	0.4 %	0.3 %	0.5 %	0.5 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: skipping
Analysis started at: 9/11/2025 9:58:42 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 6

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LLOQ_01 As only
Analysis started at: 9/11/2025 10:02:56 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0016 ppm	0.0118 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run	-0.0003 ppm	-0.0026 ppm	0.0103 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	0.0002 ppm	0.0078 ppm	0.0120 ppm	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0131 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm
Recovery Percentage	0.000 %	0.000 %	117.907 %	-0.816 %	-0.504 %	0.000 %	0.000 %
Concentration RSD	728.5 %	350.3 %	11.9 %	736.7 %	148.3 %	381.0 %	570.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	-0.0001 ppm	-0.0004 ppm	0.0001 ppm	-0.0429 ppm	0.0019 ppm
Concentration per Run	0.0002 ppm	-0.0002 ppm	-0.0001 ppm	-0.0006 ppm	0.0001 ppm	-0.0504 ppm	0.0014 ppm
Concentration per Run	0.0002 ppm	0.0009 ppm	0.0002 ppm	-0.0003 ppm	0.0002 ppm	-0.0580 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0003 ppm	-0.0003 ppm	-0.0005 ppm	-0.0201 ppm	0.0033 ppm
Recovery Percentage	0.000 %	4.317 %	-1.120 %	-3.771 %	0.000 %	0.000 %	19.330 %
Concentration RSD	51.8 %	127.6 %	301.1 %	44.7 %	813.5 %	46.8 %	61.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0013 ppm	0.0001 ppm	-0.0002 ppm	-0.0041 ppm	-0.0012 ppm	0.0003 ppm	-0.0018 ppm
Concentration per Run	-0.0027 ppm	0.0001 ppm	-0.0002 ppm	-0.0034 ppm	-0.0016 ppm	-0.0002 ppm	-0.0048 ppm
Concentration per Run	-0.0015 ppm	-0.0001 ppm	-0.0001 ppm	-0.0070 ppm	-0.0010 ppm	0.0015 ppm	-0.0021 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	-0.0002 ppm	-0.0020 ppm	-0.0009 ppm	-0.0005 ppm	0.0015 ppm
Recovery Percentage	0.000 %	0.871 %	-1.617 %	0.000 %	-11.870 %	2.634 %	0.000 %
Concentration RSD	112.6 %	214.7 %	59.6 %	62.8 %	32.7 %	404.9 %	173.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0012 ppm	-0.0011 ppm	0.0006 ppm	-0.0001 ppm	-0.0006 ppm	0.0003 ppm	-0.0004 ppm
Concentration per Run	-0.0018 ppm	-0.0008 ppm	-0.0002 ppm	-0.0001 ppm	-0.0005 ppm	0.0012 ppm	-0.0005 ppm
Concentration per Run	-0.0015 ppm	-0.0009 ppm	0.0021 ppm	-0.0002 ppm	-0.0006 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run	0.0069 ppm	-0.0017 ppm	-0.0001 ppm	-0.0002 ppm	-0.0006 ppm	-0.0005 ppm	-0.0003 ppm
Recovery Percentage	12.002 %	0.000 %	6.209 %	-1.270 %	-5.724 %	2.540 %	-4.040 %
Concentration RSD	413.1 %	45.2 %	211.7 %	47.8 %	6.3 %	349.3 %	28.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	97.0352 %	95.1886 %	97.0399 %	97.6674 %	98.9728 %	96.9353 %
Concentration per Run	0.0006 ppm	96.1294 %	95.5803 %	96.4904 %	96.9668 %	98.7101 %	96.5042 %
Concentration per Run	0.0003 ppm	97.4007 %	94.8900 %	96.9374 %	98.0743 %	98.6804 %	96.9786 %
Concentration per Run	0.0001 ppm	97.5755 %	95.0956 %	97.6920 %	97.9610 %	99.5278 %	97.3231 %
Recovery Percentage	3.442 %						
Concentration RSD	72.3 %	0.8 %	0.4 %	0.6 %	0.6 %	0.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample:

Analysis started at: 9/11/2025 10:05:50 AM

Comment

Rack Number

Vial Numbers

0

<Comment>

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5131 ppm	0.4849 ppm	0.4926 ppm	0.5013 ppm	0.4982 ppm	0.5087 ppm	0.4928 ppm
Concentration per Run	0.5144 ppm	0.4839 ppm	0.4922 ppm	0.4998 ppm	0.4984 ppm	0.5102 ppm	0.4899 ppm
Concentration per Run	0.5131 ppm	0.4907 ppm	0.4919 ppm	0.5015 ppm	0.4965 ppm	0.5057 ppm	0.4899 ppm
Concentration per Run	0.5116 ppm	0.4801 ppm	0.4937 ppm	0.5027 ppm	0.4998 ppm	0.5103 ppm	0.4886 ppm
Recovery Percentage	102.610 %	96.983 %	98.519 %	100.269 %	99.645 %	101.749 %	98.559 %
Concentration RSD	0.3 %	1.1 %	0.2 %	0.3 %	0.3 %	0.5 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5270 ppm	0.5119 ppm	0.5161 ppm	0.5266 ppm	0.4996 ppm	5.1344 ppm	0.5030 ppm
Concentration per Run	0.5271 ppm	0.5111 ppm	0.5149 ppm	0.5273 ppm	0.5039 ppm	5.1816 ppm	0.5028 ppm
Concentration per Run	0.5268 ppm	0.5102 ppm	0.5156 ppm	0.5265 ppm	0.4923 ppm	5.1004 ppm	0.4966 ppm
Concentration per Run	0.5272 ppm	0.5146 ppm	0.5177 ppm	0.5259 ppm	0.5027 ppm	5.1212 ppm	0.5096 ppm
Recovery Percentage	105.408 %	102.387 %	103.216 %	105.315 %	99.926 %	102.688 %	100.595 %
Concentration RSD	0.0 %	0.5 %	0.3 %	0.1 %	1.3 %	0.8 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5300 ppm	0.5124 ppm	0.4949 ppm	10.4343 ppm	0.5201 ppm	0.5075 ppm	0.5214 ppm
Concentration per Run	0.5369 ppm	0.5125 ppm	0.4939 ppm	10.4655 ppm	0.5190 ppm	0.5083 ppm	0.5261 ppm
Concentration per Run	0.5265 ppm	0.5118 ppm	0.4925 ppm	10.3887 ppm	0.5198 ppm	0.5066 ppm	0.5233 ppm
Concentration per Run	0.5267 ppm	0.5128 ppm	0.4981 ppm	10.4485 ppm	0.5215 ppm	0.5074 ppm	0.5148 ppm
Recovery Percentage	106.008 %	102.471 %	98.971 %	104.343 %	104.020 %	101.490 %	104.277 %
Concentration RSD	1.1 %	0.1 %	0.6 %	0.4 %	0.2 %	0.2 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4921 ppm	5.4756 ppm	0.5029 ppm	0.5071 ppm	0.5267 ppm	0.5109 ppm	0.5183 ppm
Concentration per Run	0.4945 ppm	5.4833 ppm	0.5012 ppm	0.5073 ppm	0.5316 ppm	0.5114 ppm	0.5185 ppm
Concentration per Run	0.4895 ppm	5.4648 ppm	0.5021 ppm	0.5033 ppm	0.5263 ppm	0.5107 ppm	0.5174 ppm
Concentration per Run	0.4924 ppm	5.4788 ppm	0.5054 ppm	0.5106 ppm	0.5223 ppm	0.5107 ppm	0.5189 ppm
Recovery Percentage	98.422 %	104.298 %	100.582 %	101.413 %	105.349 %	102.189 %	103.656 %
Concentration RSD	0.5 %	0.2 %	0.4 %	0.7 %	0.9 %	0.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5152 ppm	98.2312 %	96.2134 %	96.9294 %	96.4672 %	97.8883 %	95.6527 %
Concentration per Run	0.5144 ppm	98.0288 %	96.2664 %	96.7013 %	96.5823 %	98.3952 %	95.5625 %
Concentration per Run	0.5144 ppm	98.7633 %	97.2267 %	97.2267 %	96.9099 %	97.5043 %	96.0507 %
Concentration per Run	0.5169 ppm	97.9015 %	96.0624 %	96.8601 %	95.9094 %	97.7653 %	95.3448 %
Recovery Percentage	103.041 %						
Concentration RSD	0.3 %	0.5 %	0.1 %	0.3 %	0.5 %	0.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 10:07:54 AM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0013 ppm	0.0030 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	-0.0033 ppm
Concentration per Run	-0.0003 ppm	-0.0040 ppm	0.0033 ppm	-0.0006 ppm	-0.0002 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run	-0.0004 ppm	-0.0047 ppm	0.0018 ppm	0.0020 ppm	-0.0001 ppm	0.0000 ppm	-0.0028 ppm
Concentration per Run	0.0000 ppm	0.0048 ppm	0.0039 ppm	0.0006 ppm	-0.0002 ppm	0.0001 ppm	-0.0030 ppm
Recovery Percentage	-3.381 %	-1.287 %	60.308 %	2.164 %	-1.494 %	0.815 %	-3.303 %
Concentration RSD	86.6 %	412.9 %	34.6 %	200.4 %	46.5 %	67.8 %	22.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0005 ppm	0.0000 ppm	-0.0004 ppm	0.0011 ppm	-0.0538 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	0.0000 ppm	-0.0001 ppm	0.0010 ppm	-0.0612 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0018 ppm	-0.0497 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0003 ppm	-0.0009 ppm	0.0005 ppm	-0.0504 ppm	0.0016 ppm
Recovery Percentage	0.191 %	2.518 %	-0.132 %	-4.194 %	2.232 %	-2.150 %	29.578 %
Concentration RSD	278.3 %	71.4 %	2,135.4 %	103.3 %	59.7 %	12.0 %	11.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0015 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0003 ppm	0.0002 ppm	-0.0009 ppm
Concentration per Run	0.0008 ppm	0.0001 ppm	0.0002 ppm	-0.0013 ppm	-0.0011 ppm	0.0009 ppm	0.0041 ppm
Concentration per Run	-0.0029 ppm	0.0001 ppm	0.0005 ppm	-0.0019 ppm	-0.0004 ppm	0.0001 ppm	0.0030 ppm
Concentration per Run	-0.0024 ppm	0.0000 ppm	0.0002 ppm	0.0033 ppm	0.0006 ppm	-0.0002 ppm	-0.0097 ppm
Recovery Percentage	-1.531 %	0.617 %	0.595 %	0.001 %	-1.303 %	2.079 %	-1.745 %
Concentration RSD	130.8 %	32.9 %	60.0 %	15,476.7 %	253.3 %	275.1 %	881.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	-0.0006 ppm	0.0005 ppm	-0.0001 ppm	-0.0003 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0012 ppm	-0.0006 ppm	0.0010 ppm	0.0000 ppm	-0.0005 ppm	0.0002 ppm	-0.0005 ppm
Concentration per Run	-0.0022 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0004 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	0.0018 ppm	-0.0014 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0011 ppm	0.0001 ppm
Recovery Percentage	2.858 %	-0.130 %	1.065 %	-0.668 %	-2.980 %	-1.562 %	-2.118 %
Concentration RSD	756.7 %	111.0 %	75.0 %	163.4 %	75.3 %	212.9 %	131.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	97.0261 %	95.2108 %	96.2015 %	97.3922 %	98.9303 %	96.2740 %
Concentration per Run	0.0002 ppm	96.8057 %	94.9840 %	95.5834 %	97.4140 %	98.9432 %	95.7023 %
Concentration per Run	0.0002 ppm	97.6300 %	96.6147 %	96.4875 %	98.0866 %	98.7208 %	96.5565 %
Concentration per Run	0.0000 ppm	96.6425 %	96.0337 %	96.5335 %	96.6761 %	99.1270 %	96.5631 %
Recovery Percentage	2.856 %						
Concentration RSD	87.3 %	0.5 %	0.8 %	0.6 %	0.7 %	0.2 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-1 WG2112933

Analysis started at: 9/11/2025 10:15:02 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0079 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0086 ppm
Concentration per Run	-0.0006 ppm	0.0070 ppm	0.0006 ppm	-0.0004 ppm	0.0001 ppm	0.0070 ppm	0.0070 ppm
Concentration per Run	-0.0003 ppm	0.0075 ppm	0.0007 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0065 ppm
Concentration per Run	0.0001 ppm	0.0092 ppm	0.0012 ppm	-0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0125 ppm
Concentration RSD	149.0 %	14.5 %	35.8 %	440.0 %	635.9 %	456.0 %	38.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0004 ppm	0.0315 ppm	-0.0320 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0004 ppm	-0.0007 ppm	0.0308 ppm	-0.0300 ppm	0.0025 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0004 ppm	-0.0006 ppm	0.0323 ppm	-0.0280 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0313 ppm	-0.0378 ppm	0.0019 ppm
Concentration RSD	422.5 %	164.1 %	22.2 %	99.4 %	2.4 %	16.2 %	72.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0012 ppm	0.0002 ppm	0.0003 ppm	0.0183 ppm	-0.0006 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run	-0.0006 ppm	0.0003 ppm	0.0003 ppm	0.0199 ppm	-0.0003 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run	0.0018 ppm	0.0000 ppm	0.0001 ppm	0.0202 ppm	-0.0009 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run	0.0025 ppm	0.0003 ppm	0.0002 ppm	0.0148 ppm	-0.0006 ppm	-0.0002 ppm	-0.0019 ppm
Concentration RSD	129.1 %	86.2 %	652.2 %	16.5 %	45.7 %	399.5 %	486.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	0.0105 ppm	0.0103 ppm	0.0000 ppm	-0.0007 ppm	-0.0011 ppm	-0.0003 ppm
Concentration per Run	-0.0028 ppm	0.0087 ppm	0.0103 ppm	0.0001 ppm	-0.0004 ppm	-0.0008 ppm	-0.0004 ppm
Concentration per Run	0.0062 ppm	0.0112 ppm	0.0113 ppm	-0.0001 ppm	-0.0008 ppm	-0.0027 ppm	-0.0004 ppm
Concentration per Run	0.0048 ppm	0.0115 ppm	0.0100 ppm	0.0001 ppm	-0.0009 ppm	0.0003 ppm	-0.0002 ppm
Concentration RSD	178.4 %	14.7 %	6.6 %	194.0 %	41.4 %	144.2 %	43.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	97.0520 %	95.9822 %	95.0811 %	96.8344 %	98.4337 %	95.8350 %
Concentration per Run	0.0010 ppm	96.4994 %	96.4905 %	95.6593 %	96.1759 %	97.2737 %	96.5047 %
Concentration per Run	0.0010 ppm	97.0696 %	95.9081 %	95.1790 %	97.1817 %	99.3589 %	95.7357 %
Concentration per Run	0.0009 ppm	97.5869 %	95.5479 %	94.4048 %	97.1454 %	98.6685 %	95.2646 %
Concentration RSD	6.3 %	0.6 %	0.5 %	0.7 %	0.6 %	1.1 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-2d2 WG2112933

Analysis started at: 9/11/2025 10:17:18 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 9

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0528 ppm	2.1290 ppm	0.1251 ppm	1.0668 ppm	2.0618 ppm	0.0531 ppm	10.7828 ppm
Concentration per Run	0.0530 ppm	2.1272 ppm	0.1252 ppm	1.0642 ppm	2.0605 ppm	0.0530 ppm	10.8057 ppm
Concentration per Run	0.0523 ppm	2.1433 ppm	0.1246 ppm	1.0652 ppm	2.0669 ppm	0.0532 ppm	10.7817 ppm
Concentration per Run	0.0530 ppm	2.1165 ppm	0.1256 ppm	1.0711 ppm	2.0579 ppm	0.0530 ppm	10.7611 ppm
Concentration RSD	0.7 %	0.6 %	0.4 %	0.3 %	0.2 %	0.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0566 ppm	0.5141 ppm	0.2109 ppm	0.2886 ppm	1.0660 ppm	10.9371 ppm	0.0003 ppm
Concentration per Run	0.0566 ppm	0.5145 ppm	0.2104 ppm	0.2892 ppm	1.0656 ppm	10.9544 ppm	0.0004 ppm
Concentration per Run	0.0563 ppm	0.5135 ppm	0.2102 ppm	0.2672 ppm	1.0685 ppm	10.9435 ppm	0.0002 ppm
Concentration per Run	0.0570 ppm	0.5144 ppm	0.2121 ppm	0.2695 ppm	1.0641 ppm	10.9132 ppm	0.0003 ppm
Concentration RSD	0.7 %	0.1 %	0.5 %	0.5 %	0.2 %	0.2 %	25.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.1735 ppm	0.5235 ppm	1.0655 ppm	11.2248 ppm	0.5285 ppm	0.5542 ppm	0.5435 ppm
Concentration per Run	11.1995 ppm	0.5251 ppm	1.0640 ppm	11.1848 ppm	0.5284 ppm	0.5533 ppm	0.5433 ppm
Concentration per Run	11.0975 ppm	0.5238 ppm	1.0625 ppm	11.2889 ppm	0.5268 ppm	0.5570 ppm	0.5457 ppm
Concentration per Run	11.2236 ppm	0.5214 ppm	1.0699 ppm	11.2207 ppm	0.5303 ppm	0.5522 ppm	0.5416 ppm
Concentration RSD	0.6 %	0.4 %	0.4 %	0.4 %	0.3 %	0.5 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1250 ppm	1.1778 ppm	1.0641 [SIC xx]	1.0616 ppm	1.1104 ppm	0.1261 ppm	0.5457 ppm
Concentration per Run	0.1267 ppm	1.1783 ppm	1.0674 ppm	1.0606 ppm	1.1103 ppm	0.1254 ppm	0.5453 ppm
Concentration per Run	0.1219 ppm	1.1736 ppm	1.0636 ppm	1.0636 ppm	1.1037 ppm	0.1273 ppm	0.5444 ppm
Concentration per Run	0.1266 ppm	1.1817 ppm	1.0642 ppm	1.0607 ppm	1.1173 ppm	0.1256 ppm	0.5474 ppm
Concentration RSD	2.2 %	0.3 %	0.3 %	0.2 %	0.6 %	0.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5263 ppm	97.7481 %	97.0650 %	94.6054 %	95.7974 %	99.1455 %	94.6059 %
Concentration per Run	0.5260 ppm	97.6739 %	96.5340 %	94.0333 %	95.6957 %	99.2172 %	93.7211 %
Concentration per Run	0.5240 ppm	98.1193 %	97.1115 %	94.3888 %	95.9826 %	99.7836 %	94.6749 %
Concentration per Run	0.5288 ppm	97.4513 %	97.5525 %	95.3942 %	95.7140 %	99.4355 %	95.4216 %
Concentration RSD	0.5 %	0.3 %	0.5 %	0.7 %	0.2 %	0.3 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553224-03dd2 WG2112933

Analysis started at: 9/11/2025 10:19:23 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 15

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0011 ppm	68.8890 ppm	0.5079 ppm	0.0023 ppm	0.2780 ppm	0.0021 ppm	19.1993 ppm
Concentration per Run	-0.0010 ppm	68.7499 ppm	0.5068 ppm	0.0021 ppm	0.2770 ppm	0.0020 ppm	19.1431 ppm
Concentration per Run	-0.0018 ppm	68.8373 ppm	0.5089 ppm	0.0028 ppm	0.2784 ppm	0.0021 ppm	19.1673 ppm
Concentration per Run	-0.0006 ppm	69.0798 ppm	0.5079 ppm	0.0021 ppm	0.2785 ppm	0.0021 ppm	19.2875 ppm
Concentration RSD	55.4 %	0.2 %	0.2 %	17.5 %	0.3 %	1.8 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0378 ppm	0.1022 ppm	0.1901 ppm	132.5883 ppm	24.6731 ppm	0.1915 ppm
Concentration per Run	0.0002 ppm	0.0375 ppm	0.1025 ppm	0.1907 ppm	132.9318 ppm	24.5999 ppm	0.1935 ppm
Concentration per Run	0.0001 ppm	0.0376 ppm	0.1023 ppm	0.1905 ppm	132.7069 ppm	24.7456 ppm	0.1907 ppm
Concentration per Run	0.0004 ppm	0.0383 ppm	0.1019 ppm	0.1893 ppm	132.1262 ppm	24.6736 ppm	0.1904 ppm
Concentration RSD	76.2 %	1.1 %	0.3 %	0.4 %	0.3 %	0.3 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	33.4911 ppm	2.2929 ppm	0.0060 ppm	0.5229 ppm	0.0521 ppm	0.0555 ppm	-0.0025 ppm
Concentration per Run	33.7112 ppm	2.2880 ppm	0.0062 ppm	0.5215 ppm	0.0522 ppm	0.0554 ppm	-0.0002 ppm
Concentration per Run	33.8447 ppm	2.3000 ppm	0.0088 ppm	0.5298 ppm	0.0521 ppm	0.0553 ppm	-0.0021 ppm
Concentration per Run	32.9175 ppm	2.2909 ppm	0.0060 ppm	0.5172 ppm	0.0521 ppm	0.0552 ppm	-0.0052 ppm
Concentration RSD	1.5 %	0.3 %	3.8 %	1.2 %	0.0 %	0.4 %	100.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	4.8877 ppm	0.0100 ppm	0.0434 ppm	5.6470 ppm	0.0000 ppm	0.1847 ppm
Concentration per Run	0.0035 ppm	5.0559 ppm	0.0099 ppm	0.0433 ppm	5.7053 ppm	-0.0015 ppm	0.1851 ppm
Concentration per Run	0.0019 ppm	4.8229 ppm	0.0116 ppm	0.0435 ppm	5.6851 ppm	0.0003 ppm	0.1854 ppm
Concentration per Run	0.0029 ppm	4.7843 ppm	0.0085 ppm	0.0433 ppm	5.5506 ppm	0.0010 ppm	0.1836 ppm
Concentration RSD	29.9 %	3.0 %	15.4 %	0.2 %	1.5 %	3.899.7 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4707 ppm	97.9005 %	99.7323 %	93.2563 %	106.0920 %	112.7046 %	106.8120 %
Concentration per Run	0.4716 ppm	97.4801 %	99.7523 %	93.2941 %	105.7213 %	112.5814 %	106.8614 %
Concentration per Run	0.4718 ppm	97.5375 %	99.2611 %	93.3639 %	106.0493 %	113.1326 %	106.9895 %
Concentration per Run	0.4687 ppm	98.6839 %	100.1835 %	93.1110 %	106.5054 %	112.3998 %	106.5851 %
Concentration RSD	0.4 %	0.7 %	0.5 %	0.1 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556592-01d2 WG2112933

Analysis started at: 9/11/2025 10:21:28 AM

Comment <Comment>

Rack Number 1

Vial Numbers 16

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	42.8897 ppm	0.0785 ppm	0.0201 ppm	2.7301 ppm	0.0026 ppm	81.9038 ppm
Concentration per Run	0.0003 ppm	42.9868 ppm	0.0774 ppm	0.0200 ppm	2.7209 ppm	0.0026 ppm	81.8811 ppm
Concentration per Run	0.0007 ppm	42.7534 ppm	0.0782 ppm	0.0210 ppm	2.7177 ppm	0.0027 ppm	81.6931 ppm
Concentration per Run	0.0006 ppm	42.9289 ppm	0.0800 ppm	0.0194 ppm	2.7518 ppm	0.0027 ppm	82.1372 ppm
Concentration RSD	35.5 %	0.3 %	1.7 %	4.0 %	0.7 %	1.6 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0019 ppm	0.0277 ppm	0.2720 ppm	0.3037 ppm	133.6058 ppm	4.4252 ppm	0.0535 ppm
Concentration per Run	0.0018 ppm	0.0272 ppm	0.2719 ppm	0.3038 ppm	133.9041 ppm	4.4228 ppm	0.0539 ppm
Concentration per Run	0.0019 ppm	0.0276 ppm	0.2715 ppm	0.3027 ppm	133.5621 ppm	4.4125 ppm	0.0551 ppm
Concentration per Run	0.0019 ppm	0.0283 ppm	0.2727 ppm	0.3045 ppm	133.3512 ppm	4.4402 ppm	0.0515 ppm
Concentration RSD	2.6 %	2.0 %	0.2 %	0.3 %	0.2 %	0.3 %	3.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	13.9712 ppm	1.2904 ppm	0.0059 ppm	0.3767 ppm	0.0745 ppm	1.2792 ppm	-0.0003 ppm
Concentration per Run	13.9042 ppm	1.2955 ppm	0.0060 ppm	0.3787 ppm	0.0745 ppm	1.2815 ppm	0.0026 ppm
Concentration per Run	13.9641 ppm	1.2816 ppm	0.0084 ppm	0.3732 ppm	0.0744 ppm	1.2778 ppm	-0.0036 ppm
Concentration per Run	14.0453 ppm	1.2942 ppm	0.0052 ppm	0.3784 ppm	0.0745 ppm	1.2782 ppm	-0.0001 ppm
Concentration RSD	0.5 %	0.6 %	10.7 %	0.8 %	0.1 %	0.2 %	892.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0039 ppm	5.2952 ppm	0.0194 ppm	0.5563 ppm	0.8099 ppm	0.0005 ppm	0.1912 ppm
Concentration per Run	0.0048 ppm	5.3400 ppm	0.0193 ppm	0.5570 ppm	0.8066 ppm	0.0005 ppm	0.1912 ppm
Concentration per Run	0.0054 ppm	5.2469 ppm	0.0197 ppm	0.5525 ppm	0.8105 ppm	0.0006 ppm	0.1908 ppm
Concentration per Run	0.0014 ppm	5.2986 ppm	0.0192 ppm	0.5594 ppm	0.8124 ppm	0.0005 ppm	0.1917 ppm
Concentration RSD	56.7 %	0.9 %	1.5 %	0.6 %	0.4 %	9.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7641 ppm	97.0917 %	98.4835 %	91.5913 %	99.5691 %	103.9794 %	99.3485 %
Concentration per Run	0.7626 ppm	96.9006 %	99.4021 %	91.2101 %	99.1131 %	105.2429 %	99.1575 %
Concentration per Run	0.7619 ppm	97.6480 %	98.6924 %	92.1593 %	100.1474 %	103.6079 %	99.7271 %
Concentration per Run	0.7679 ppm	96.7264 %	97.3561 %	91.4044 %	99.4467 %	103.0873 %	99.1609 %
Concentration RSD	0.4 %	0.5 %	1.1 %	0.5 %	0.5 %	1.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556592-02d2 WG2112933

Analysis started at: 9/11/2025 10:23:32 AM

Comment <Comment>

Rack Number 1

Vial Numbers 17

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	41.4122 ppm	0.0609 ppm	0.0067 ppm	15.4789 ppm	0.0029 ppm	9.5384 ppm
Concentration per Run	0.0005 ppm	41.5546 ppm	0.0587 ppm	0.0057 ppm	15.5558 ppm	0.0030 ppm	9.5691 ppm
Concentration per Run	0.0005 ppm	41.5168 ppm	0.0604 ppm	0.0086 ppm	15.5322 ppm	0.0030 ppm	9.5192 ppm
Concentration per Run	-0.0001 ppm	41.1651 ppm	0.0637 ppm	0.0059 ppm	15.3487 ppm	0.0029 ppm	9.5269 ppm
Concentration RSD	108.8 %	0.5 %	4.2 %	24.0 %	0.7 %	0.9 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0056 ppm	0.0280 ppm	1.0382 ppm	0.9295 ppm	103.2820 ppm	2.4590 ppm	0.0634 ppm
Concentration per Run	0.0055 ppm	0.0279 ppm	1.0357 ppm	0.9322 ppm	103.5289 ppm	2.5022 ppm	0.0647 ppm
Concentration per Run	0.0056 ppm	0.0283 ppm	1.0397 ppm	0.9290 ppm	103.4875 ppm	2.4655 ppm	0.0643 ppm
Concentration per Run	0.0056 ppm	0.0278 ppm	1.0393 ppm	0.9272 ppm	102.8297 ppm	2.4094 ppm	0.0611 ppm
Concentration RSD	1.4 %	0.9 %	0.2 %	0.3 %	0.4 %	1.9 %	3.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.8208 ppm	1.3239 ppm	0.0036 ppm	0.3037 ppm	0.0826 ppm	5.5786 ppm	0.0034 ppm
Concentration per Run	10.8022 ppm	1.3299 ppm	0.0036 ppm	0.2994 ppm	0.0816 ppm	5.5677 ppm	0.0061 ppm
Concentration per Run	10.7872 ppm	1.3257 ppm	0.0031 ppm	0.3167 ppm	0.0827 ppm	5.5654 ppm	0.0038 ppm
Concentration per Run	10.8731 ppm	1.3162 ppm	0.0041 ppm	0.2950 ppm	0.0836 ppm	5.6028 ppm	0.0002 ppm
Concentration RSD	0.4 %	0.5 %	14.7 %	3.8 %	1.2 %	0.4 %	86.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0067 ppm	4.0761 ppm	0.0797 ppm	0.2436 ppm	0.6127 ppm	-0.0007 ppm	0.1966 ppm
Concentration per Run	0.0060 ppm	4.1258 ppm	0.0784 ppm	0.2454 ppm	0.6141 ppm	-0.0020 ppm	0.1963 ppm
Concentration per Run	0.0074 ppm	4.0605 ppm	0.0800 ppm	0.2444 ppm	0.6113 ppm	0.0012 ppm	0.1967 ppm
Concentration per Run	0.0066 ppm	4.0421 ppm	0.0807 ppm	0.2410 ppm	0.6126 ppm	-0.0014 ppm	0.1968 ppm
Concentration RSD	10.2 %	1.1 %	1.5 %	1.0 %	0.2 %	240.2 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6568 ppm	99.0280 %	98.7673 %	94.1294 %	104.9290 %	107.2736 %	104.5538 %
Concentration per Run	1.6493 ppm	99.0505 %	99.1414 %	94.6607 %	104.8084 %	107.8766 %	104.8833 %
Concentration per Run	1.6626 ppm	99.0029 %	93.9248 %	93.9248 %	105.0691 %	107.7949 %	104.2245 %
Concentration per Run	1.6584 ppm	99.0307 %	98.8996 %	93.8026 %	104.9095 %	106.1493 %	104.5534 %
Concentration RSD	0.4 %	0.0 %	0.5 %	0.5 %	0.1 %	0.9 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555946-03d2 WG2112933

Analysis started at: 9/11/2025 10:25:37 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0051 ppm	29.2981 ppm	0.0241 ppm	0.0512 ppm	0.3442 ppm	0.0020 ppm	200.2113 ppm
Concentration per Run	0.0048 ppm	29.2975 ppm	0.0242 ppm	0.0508 ppm	0.3443 ppm	0.0020 ppm	199.9648 ppm
Concentration per Run	0.0052 ppm	29.3574 ppm	0.0237 ppm	0.0516 ppm	0.3439 ppm	0.0020 ppm	200.5170 ppm
Concentration per Run	0.0052 ppm	29.2395 ppm	0.0243 ppm	0.0512 ppm	0.3443 ppm	0.0019 ppm	200.1522 ppm
Concentration RSD	4.5 %	0.2 %	1.3 %	0.8 %	0.1 %	1.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0088 ppm	0.0225 ppm	0.8829 ppm	0.8829 ppm	3.1828 ppm	3.1828 ppm	0.0505 ppm
Concentration per Run	0.0090 ppm	0.0228 ppm	0.8847 ppm	0.8847 ppm	3.1898 ppm	3.1898 ppm	0.0499 ppm
Concentration per Run	0.0087 ppm	0.0228 ppm	0.8844 ppm	0.8844 ppm	3.1701 ppm	3.1701 ppm	0.0496 ppm
Concentration per Run	0.0087 ppm	0.0220 ppm	0.8795 ppm	0.8795 ppm	3.1886 ppm	3.1886 ppm	0.0521 ppm
Concentration RSD	2.2 %	2.1 %	0.3 %	0.3 %	0.7 %	0.3 %	2.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	39.7789 ppm	0.9329 ppm	0.0110 ppm	2.1865 ppm	0.0972 ppm	2.4162 ppm	0.0026 ppm
Concentration per Run	39.8860 ppm	0.9360 ppm	0.0109 ppm	2.2031 ppm	0.0976 ppm	2.4154 ppm	0.0049 ppm
Concentration per Run	39.9144 ppm	0.9286 ppm	0.0111 ppm	2.1762 ppm	0.0964 ppm	2.4162 ppm	-0.0010 ppm
Concentration per Run	39.5362 ppm	0.9341 ppm	0.0110 ppm	2.1803 ppm	0.0976 ppm	2.4169 ppm	0.0038 ppm
Concentration RSD	0.5 %	0.4 %	0.9 %	0.7 %	0.7 %	0.0 %	122.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0102 ppm	6.0211 ppm	0.3030 ppm	1.0116 ppm	0.6340 ppm	0.0002 ppm	0.0810 ppm
Concentration per Run	0.0081 ppm	6.0827 ppm	0.3056 ppm	1.0128 ppm	0.6376 ppm	0.0014 ppm	0.0814 ppm
Concentration per Run	0.0115 ppm	6.0033 ppm	0.2991 ppm	1.0090 ppm	0.6328 ppm	-0.0003 ppm	0.0810 ppm
Concentration per Run	0.0108 ppm	5.9774 ppm	0.3044 ppm	1.0130 ppm	0.6315 ppm	-0.0005 ppm	0.0805 ppm
Concentration RSD	18.0 %	0.9 %	1.1 %	0.2 %	0.5 %	521.7 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.2676 ppm	95.3538 %	96.8024 %	88.5832 %	99.9493 %	105.0016 %	99.6914 %
Concentration per Run	2.2712 ppm	94.8332 %	95.5922 %	88.6813 %	99.7260 %	104.6426 %	99.7154 %
Concentration per Run	2.2753 ppm	97.5993 %	97.2158 %	88.8315 %	99.5050 %	105.1363 %	100.1868 %
Concentration per Run	2.2562 ppm	96.3855 %	97.2158 %	88.2519 %	100.6170 %	105.2260 %	99.1721 %
Concentration RSD	0.4 %	0.9 %	1.1 %	0.3 %	0.6 %	0.3 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-3d2 WG2112933

Analysis started at: 9/11/2025 10:27:42 AM

Comment <Comment>

Rack Number 1

Vial Numbers 11

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0560 ppm	24.9195 ppm	0.1594 ppm	1.0854 ppm	2.2741 ppm	0.0545 ppm	149.2947 ppm
Concentration per Run	0.0561 ppm	24.8856 ppm	0.1589 ppm	1.0833 ppm	2.2743 ppm	0.0545 ppm	148.9212 ppm
Concentration per Run	0.0552 ppm	24.8651 ppm	0.1584 ppm	1.0853 ppm	2.2703 ppm	0.0544 ppm	149.1175 ppm
Concentration per Run	0.0567 ppm	25.0077 ppm	0.1609 ppm	1.0877 ppm	2.2777 ppm	0.0546 ppm	149.8454 ppm
Concentration RSD	1.3 %	0.3 %	0.8 %	0.2 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0614 ppm	0.5148 ppm	0.4608 ppm	0.8368 ppm	62.3908 ppm	13.1492 ppm	0.0390 ppm
Concentration per Run	0.0614 ppm	0.5132 ppm	0.4597 ppm	0.8326 ppm	62.1732 ppm	13.1492 ppm	0.0390 ppm
Concentration per Run	0.0613 ppm	0.5147 ppm	0.4608 ppm	0.8394 ppm	62.4059 ppm	13.1405 ppm	0.0392 ppm
Concentration per Run	0.0616 ppm	0.5163 ppm	0.4618 ppm	0.8384 ppm	62.5932 ppm	13.1579 ppm	0.0389 ppm
Concentration RSD	0.3 %	0.3 %	0.2 %	0.4 %	0.3 %	0.1 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	38.7310 ppm	1.2397 ppm	1.0401 ppm	13.0299 ppm	0.5790 ppm	2.1690 ppm	0.3600 ppm
Concentration per Run	38.6562 ppm	1.2387 ppm	1.0385 ppm	12.9938 ppm	0.5771 ppm	2.1616 ppm	0.3589 ppm
Concentration per Run	38.4500 ppm	1.2412 ppm	1.0372 ppm	13.0424 ppm	0.5782 ppm	2.1775 ppm	0.3566 ppm
Concentration per Run	39.0868 ppm	1.2393 ppm	1.0447 ppm	13.0536 ppm	0.5818 ppm	2.1680 ppm	0.3644 ppm
Concentration RSD	0.8 %	0.1 %	0.4 %	0.2 %	0.4 %	0.4 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1101 ppm	9.6099 ppm	1.1987 ppm	1.7464 ppm	1.4907 ppm	0.1205 ppm	0.5976 ppm
Concentration per Run	0.1102 ppm	9.7357 ppm	1.1987 ppm	1.7445 ppm	1.4927 ppm	0.1194 ppm	0.5976 ppm
Concentration per Run	0.1118 ppm	9.5126 ppm	1.2020 ppm	1.7445 ppm	1.4812 ppm	0.1203 ppm	0.5957 ppm
Concentration per Run	0.1084 ppm	9.5813 ppm	1.2002 ppm	1.7503 ppm	1.4982 ppm	0.1217 ppm	0.5995 ppm
Concentration RSD	1.6 %	1.2 %	0.1 %	0.2 %	0.6 %	0.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.1489 ppm	95.4383 %	97.2699 %	90.1455 %	98.2845 %	103.5565 %	98.9146 %
Concentration per Run	2.1449 ppm	95.7019 %	96.8151 %	90.5645 %	98.3849 %	103.9378 %	99.2811 %
Concentration per Run	2.1450 ppm	95.5356 %	97.3524 %	89.7004 %	98.5916 %	103.9233 %	98.6678 %
Concentration per Run	2.1568 ppm	95.0774 %	97.6423 %	90.1716 %	97.8771 %	102.8086 %	98.7951 %
Concentration RSD	0.3 %	0.3 %	0.4 %	0.5 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-4d2 WG2112933

Analysis started at: 9/11/2025 10:29:46 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 12

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0579 ppm	34.0114 ppm	0.1347 ppm	1.0847 ppm	2.4067 ppm	0.0553 ppm	196.7762 ppm
Concentration per Run	0.0581 ppm	33.9034 ppm	0.1360 ppm	1.0799 ppm	2.4155 ppm	0.0555 ppm	196.2618 ppm
Concentration per Run	0.0576 ppm	33.9433 ppm	0.1339 ppm	1.0862 ppm	2.4017 ppm	0.0552 ppm	197.1676 ppm
Concentration per Run	0.0579 ppm	34.1874 ppm	0.1341 ppm	1.0881 ppm	2.4027 ppm	0.0552 ppm	196.8991 ppm
Concentration RSD	0.4 %	0.5 %	0.9 %	0.4 %	0.3 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0644 ppm	0.5168 ppm	0.5196 ppm	1.1637 ppm	80.5962 ppm	13.8472 ppm	0.0526 ppm
Concentration per Run	0.0643 ppm	0.5147 ppm	0.5175 ppm	1.1648 ppm	80.8191 ppm	13.8516 ppm	0.0537 ppm
Concentration per Run	0.0642 ppm	0.5179 ppm	0.5214 ppm	1.1658 ppm	80.6295 ppm	13.8063 ppm	0.0557 ppm
Concentration per Run	0.0646 ppm	0.5177 ppm	0.5199 ppm	1.1606 ppm	80.3401 ppm	13.8836 ppm	0.0483 ppm
Concentration RSD	0.3 %	0.4 %	0.4 %	0.2 %	0.3 %	0.3 %	7.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	51.9431 ppm	1.4839 ppm	1.0368 ppm	13.1014 ppm	0.6075 ppm	2.9264 ppm	0.3194 ppm
Concentration per Run	51.7728 ppm	1.4838 ppm	1.0347 ppm	13.0080 ppm	0.6072 ppm	2.9385 ppm	0.3188 ppm
Concentration per Run	52.3364 ppm	1.4781 ppm	1.0361 ppm	13.0740 ppm	0.6096 ppm	2.9245 ppm	0.3193 ppm
Concentration per Run	51.7199 ppm	1.4899 ppm	1.0395 ppm	13.2222 ppm	0.6059 ppm	2.9162 ppm	0.3201 ppm
Concentration RSD	0.7 %	0.4 %	0.2 %	0.8 %	0.3 %	0.4 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1137 ppm	8.8390 ppm	1.2006 [SIC xx]	1.9457 ppm	1.5924 ppm	0.1169 ppm	0.6294 ppm
Concentration per Run	0.1130 ppm	8.8801 ppm	1.2048 ppm	1.9518 ppm	1.5871 ppm	0.1177 ppm	0.6274 ppm
Concentration per Run	0.1156 ppm	8.8694 ppm	1.1979 ppm	1.9416 ppm	1.5996 ppm	0.1160 ppm	0.6313 ppm
Concentration per Run	0.1126 ppm	8.7675 ppm	1.1993 ppm	1.9437 ppm	1.5905 ppm	0.1169 ppm	0.6296 ppm
Concentration RSD	1.4 %	0.7 %	0.3 %	0.3 %	0.4 %	0.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.6322 ppm	94.8395 %	97.1738 %	88.6384 %	100.3124 %	107.0152 %	100.4986 %
Concentration per Run	2.6373 ppm	95.4115 %	97.7288 %	88.5910 %	100.8029 %	107.6514 %	100.8602 %
Concentration per Run	2.6309 ppm	94.4181 %	97.2651 %	88.8089 %	100.1834 %	105.9668 %	100.7686 %
Concentration per Run	2.6285 ppm	94.6889 %	96.5277 %	88.5154 %	99.9510 %	107.4275 %	99.8670 %
Concentration RSD	0.2 %	0.5 %	0.6 %	0.2 %	0.4 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-5d2 WG2112933

Analysis started at: 9/11/2025 10:31:51 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 13

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0537 ppm	30.4139 ppm	0.1323 ppm	1.0285 ppm	2.2303 ppm	0.0514 ppm	202.7420 ppm
Concentration per Run	0.0537 ppm	30.2655 ppm	0.1323 ppm	1.0268 ppm	2.2317 ppm	0.0515 ppm	202.7128 ppm
Concentration per Run	0.0534 ppm	30.6001 ppm	0.1331 ppm	1.0243 ppm	2.2250 ppm	0.0513 ppm	202.6523 ppm
Concentration per Run	0.0540 ppm	30.3761 ppm	0.1314 ppm	1.0344 ppm	2.2344 ppm	0.0512 ppm	202.8611 ppm
Concentration RSD	0.5 %	0.6 %	0.7 %	0.5 %	0.2 %	0.3 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0589 ppm	0.4830 ppm	0.4732 ppm	1.0947 ppm	81.5115 ppm	13.2432 ppm	0.0474 ppm
Concentration per Run	0.0589 ppm	0.4824 ppm	0.4720 ppm	1.0939 ppm	81.3200 ppm	13.1910 ppm	0.0509 ppm
Concentration per Run	0.0590 ppm	0.4824 ppm	0.4721 ppm	1.0899 ppm	81.6178 ppm	13.2909 ppm	0.0474 ppm
Concentration per Run	0.0588 ppm	0.4844 ppm	0.4754 ppm	1.1002 ppm	81.5966 ppm	13.2476 ppm	0.0439 ppm
Concentration RSD	0.2 %	0.2 %	0.4 %	0.5 %	0.2 %	0.4 %	7.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	48.1194 ppm	1.3724 ppm	0.9726 ppm	12.1751 ppm	0.5657 ppm	2.8305 ppm	0.5097 ppm
Concentration per Run	48.1507 ppm	1.3654 ppm	0.9714 ppm	12.1080 ppm	0.5651 ppm	2.8326 ppm	0.5075 ppm
Concentration per Run	48.0039 ppm	1.3786 ppm	0.9727 ppm	12.3326 ppm	0.5647 ppm	2.8339 ppm	0.5113 ppm
Concentration per Run	48.2034 ppm	1.3734 ppm	0.9736 ppm	12.0847 ppm	0.5674 ppm	2.8250 ppm	0.5104 ppm
Concentration RSD	0.2 %	0.5 %	0.1 %	1.1 %	0.3 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1251 ppm	7.1482 ppm	1.2354 [SIC xx]	1.9368 ppm	1.6158 ppm	0.1147 ppm	0.5851 ppm
Concentration per Run	0.1250 ppm	7.2135 ppm	1.2329 ppm	1.9376 ppm	1.6177 ppm	0.1146 ppm	0.5839 ppm
Concentration per Run	0.1225 ppm	7.0992 ppm	1.2367 ppm	1.9353 ppm	1.6132 ppm	0.1147 ppm	0.5850 ppm
Concentration per Run	0.1279 ppm	7.1318 ppm	1.2366 ppm	1.9374 ppm	1.6164 ppm	0.1148 ppm	0.5864 ppm
Concentration RSD	2.1 %	0.8 %	0.2 %	0.1 %	0.1 %	0.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.6434 ppm	94.8158 %	97.0201 %	88.7117 %	99.4452 %	104.6133 %	99.3079 %
Concentration per Run	2.6510 ppm	94.8367 %	97.3648 %	88.2487 %	99.3862 %	104.8015 %	98.6343 %
Concentration per Run	2.6287 ppm	95.3879 %	96.4463 %	88.8967 %	99.8139 %	105.6868 %	99.6129 %
Concentration per Run	2.6506 ppm	94.2229 %	97.2492 %	88.9896 %	99.1354 %	103.3515 %	99.6766 %
Concentration RSD	0.5 %	0.6 %	0.5 %	0.5 %	0.3 %	1.1 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112933-6d10.WG2112933

Analysis started at: 9/11/2025 10:33:56 AM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 14

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0007 ppm	6.1380 ppm	0.0068 ppm	0.0124 ppm	0.0714 ppm	0.0004 ppm	41.5800 ppm
Concentration per Run	0.0007 ppm	6.1354 ppm	0.0097 ppm	0.0128 ppm	0.0712 ppm	0.0004 ppm	41.6432 ppm
Concentration per Run	0.0008 ppm	6.1579 ppm	0.0052 ppm	0.0109 ppm	0.0719 ppm	0.0004 ppm	41.4653 ppm
Concentration per Run	0.0007 ppm	6.1206 ppm	0.0056 ppm	0.0135 ppm	0.0711 ppm	0.0004 ppm	41.6315 ppm
Concentration RSD	7.9 %	0.3 %	36.1 %	11.0 %	0.6 %	7.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0019 ppm	0.0052 ppm	0.0604 ppm	0.1793 ppm	17.6925 ppm	0.6793 ppm	0.0108 ppm
Concentration per Run	0.0020 ppm	0.0053 ppm	0.0605 ppm	0.1780 ppm	17.7997 ppm	0.7161 ppm	0.0125 ppm
Concentration per Run	0.0020 ppm	0.0048 ppm	0.0609 ppm	0.1799 ppm	17.5708 ppm	0.6739 ppm	0.0093 ppm
Concentration per Run	0.0017 ppm	0.0054 ppm	0.0597 ppm	0.1800 ppm	17.7069 ppm	0.6480 ppm	0.0107 ppm
Concentration RSD	7.3 %	6.6 %	1.0 %	0.6 %	0.7 %	5.1 %	14.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	8.4557 ppm	0.1926 ppm	0.0023 ppm	0.4500 ppm	0.0205 ppm	0.4886 ppm	0.0005 ppm
Concentration per Run	8.4031 ppm	0.1935 ppm	0.0024 ppm	0.4477 ppm	0.0211 ppm	0.4875 ppm	-0.0023 ppm
Concentration per Run	8.4840 ppm	0.1924 ppm	0.0023 ppm	0.4519 ppm	0.0202 ppm	0.4894 ppm	0.0023 ppm
Concentration per Run	8.4801 ppm	0.1920 ppm	0.0021 ppm	0.4505 ppm	0.0202 ppm	0.4887 ppm	0.0022 ppm
Concentration RSD	0.5 %	0.4 %	8.2 %	0.5 %	2.5 %	0.2 %	544.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	1.7292 ppm	0.0651 ppm	0.2086 ppm	0.1362 ppm	0.0006 ppm	0.0165 ppm
Concentration per Run	0.0015 ppm	1.7192 ppm	0.0648 ppm	0.2083 ppm	0.1370 ppm	0.0008 ppm	0.0166 ppm
Concentration per Run	-0.0015 ppm	1.7104 ppm	0.0662 ppm	0.2094 ppm	0.1348 ppm	0.0016 ppm	0.0166 ppm
Concentration per Run	0.0039 ppm	1.7580 ppm	0.0641 ppm	0.2080 ppm	0.1367 ppm	-0.0006 ppm	0.0165 ppm
Concentration RSD	213.0 %	1.5 %	1.7 %	0.4 %	0.9 %	191.6 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4753 ppm	97.5077 %	97.0394 %	95.0931 %	97.6320 %	99.6555 %	97.1879 %
Concentration per Run	0.4716 ppm	98.3661 %	97.1680 %	95.5959 %	98.4101 %	100.1342 %	97.7610 %
Concentration per Run	0.4775 ppm	97.5553 %	97.0562 %	94.8686 %	97.2464 %	99.6033 %	97.0097 %
Concentration per Run	0.4767 ppm	96.6018 %	96.8939 %	94.8149 %	97.2394 %	99.2289 %	96.7931 %
Concentration RSD	0.7 %	0.9 %	0.1 %	0.5 %	0.7 %	0.5 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample:

Analysis started at: 9/11/2025 10:36:01 AM

Comment <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5150 ppm	0.4806 ppm	0.4922 ppm	0.5032 ppm	0.4936 ppm	0.5100 ppm	0.4991 ppm
Concentration per Run	0.5133 ppm	0.4905 ppm	0.4942 ppm	0.4997 ppm	0.4923 ppm	0.5104 ppm	0.4969 ppm
Concentration per Run	0.5158 ppm	0.4737 ppm	0.4904 ppm	0.5040 ppm	0.4958 ppm	0.5108 ppm	0.5033 ppm
Concentration per Run	0.5161 ppm	0.4777 ppm	0.4920 ppm	0.5057 ppm	0.4927 ppm	0.5087 ppm	0.4971 ppm
Recovery Percentage	103.007 %	96.130 %	98.436 %	100.632 %	98.724 %	101.995 %	99.818 %
Concentration RSD	0.3 %	1.8 %	0.4 %	0.6 %	0.4 %	0.2 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5283 ppm	0.5150 ppm	0.5179 ppm	0.5287 ppm	0.5060 ppm	5.1250 ppm	0.5117 ppm
Concentration per Run	0.5266 ppm	0.5160 ppm	0.5158 ppm	0.5288 ppm	0.5073 ppm	5.1345 ppm	0.5079 ppm
Concentration per Run	0.5276 ppm	0.5144 ppm	0.5186 ppm	0.5281 ppm	0.5053 ppm	5.1245 ppm	0.5108 ppm
Concentration per Run	0.5306 ppm	0.5146 ppm	0.5193 ppm	0.5293 ppm	0.5054 ppm	5.1160 ppm	0.5165 ppm
Recovery Percentage	105.652 %	103.000 %	103.578 %	105.749 %	101.200 %	102.500 %	102.349 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.1 %	0.2 %	0.2 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5351 ppm	0.5114 ppm	0.4981 ppm	10.3302 ppm	0.5244 ppm	0.5118 ppm	0.5269 ppm
Concentration per Run	0.5349 ppm	0.5126 ppm	0.4980 ppm	10.2657 ppm	0.5252 ppm	0.5095 ppm	0.5277 ppm
Concentration per Run	0.5344 ppm	0.5110 ppm	0.4991 ppm	10.4127 ppm	0.5225 ppm	0.5138 ppm	0.5290 ppm
Concentration per Run	0.5360 ppm	0.5106 ppm	0.4970 ppm	10.3120 ppm	0.5255 ppm	0.5122 ppm	0.5241 ppm
Recovery Percentage	107.020 %	102.273 %	99.614 %	103.302 %	104.883 %	102.365 %	105.386 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.7 %	0.3 %	0.4 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4925 ppm	5.5120 ppm	0.5094 ppm	0.5052 ppm	0.5248 ppm	0.5132 ppm	0.5214 ppm
Concentration per Run	0.4916 ppm	5.5130 ppm	0.5062 ppm	0.5034 ppm	0.5247 ppm	0.5118 ppm	0.5212 ppm
Concentration per Run	0.4938 ppm	5.5073 ppm	0.5093 ppm	0.5079 ppm	0.5261 ppm	0.5127 ppm	0.5211 ppm
Concentration per Run	0.4919 ppm	5.5158 ppm	0.5128 ppm	0.5043 ppm	0.5237 ppm	0.5151 ppm	0.5219 ppm
Recovery Percentage	98.491 %	104.991 %	101.881 %	101.045 %	104.965 %	102.644 %	104.280 %
Concentration RSD	0.2 %	0.1 %	0.6 %	0.5 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5160 ppm	98.0360 %	96.6404 %	97.4000 %	96.2716 %	97.5006 %	96.0160 %
Concentration per Run	0.5144 ppm	98.4143 %	95.9849 %	96.9476 %	96.9861 %	97.0035 %	95.4988 %
Concentration per Run	0.5160 ppm	98.4431 %	96.4587 %	98.0754 %	96.7903 %	97.4585 %	96.8444 %
Concentration per Run	0.5175 ppm	97.2507 %	97.4776 %	97.1769 %	95.0384 %	98.0397 %	95.7048 %
Recovery Percentage	103.193 %						
Concentration RSD	0.3 %	0.7 %	0.8 %	0.6 %	1.1 %	0.5 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCB

Sample: 9/11/2025 10:38:05 AM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0074 ppm	0.0019 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run	0.0000 ppm	-0.0097 ppm	0.0041 ppm	0.0010 ppm	-0.0002 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run	-0.0005 ppm	-0.0030 ppm	0.0007 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	-0.0038 ppm
Concentration per Run	-0.0002 ppm	-0.0093 ppm	0.0010 ppm	0.0019 ppm	0.0001 ppm	0.0000 ppm	-0.0036 ppm
Recovery Percentage	-2.753 %	-7.354 %	38.604 %	4.432 %	-0.021 %	0.801 %	-2.291 %
Concentration RSD	126.4 %	51.3 %	97.0 %	36.0 %	7.394.2 %	89.7 %	107.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0011 ppm	-0.0544 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	-0.0004 ppm	0.0002 ppm	0.0005 ppm	-0.0473 ppm	0.0035 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0015 ppm	-0.0804 ppm	-0.0009 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0012 ppm	-0.0356 ppm	-0.0005 ppm
Recovery Percentage	0.847 %	1.383 %	0.947 %	0.180 %	2.126 %	-2.178 %	13.990 %
Concentration RSD	129.2 %	148.2 %	450.3 %	875.8 %	50.6 %	42.7 %	351.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0026 ppm	0.0001 ppm	0.0000 ppm	-0.0054 ppm	0.0000 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run	-0.0016 ppm	0.0000 ppm	-0.0001 ppm	0.0034 ppm	-0.0005 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run	-0.0015 ppm	0.0002 ppm	-0.0002 ppm	-0.0095 ppm	0.0007 ppm	0.0005 ppm	0.0006 ppm
Concentration per Run	-0.0046 ppm	0.0000 ppm	0.0002 ppm	-0.0101 ppm	-0.0003 ppm	-0.0002 ppm	0.0001 ppm
Recovery Percentage	-2.554 %	0.548 %	-0.087 %	-0.270 %	-0.113 %	1.433 %	1.842 %
Concentration RSD	69.2 %	161.9 %	447.8 %	141.1 %	2.278.4 %	231.1 %	106.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0046 ppm	0.0041 ppm	0.0003 ppm	0.0000 ppm	-0.0010 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0041 ppm	0.0045 ppm	0.0008 ppm	-0.0001 ppm	-0.0011 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run	0.0046 ppm	0.0030 ppm	-0.0003 ppm	0.0000 ppm	-0.0010 ppm	0.0008 ppm	-0.0008 ppm
Concentration per Run	0.0051 ppm	0.0050 ppm	0.0005 ppm	0.0000 ppm	-0.0008 ppm	0.0025 ppm	-0.0001 ppm
Recovery Percentage	45.874 %	0.830 %	0.660 %	-0.358 %	-9.691 %	4.907 %	-2.366 %
Concentration RSD	11.6 %	24.9 %	174.5 %	104.9 %	14.2 %	148.2 %	206.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	96.1650 %	94.3451 %	95.0952 %	96.4198 %	96.5324 %	95.4151 %
Concentration per Run	0.0005 ppm	96.8359 %	94.7827 %	95.8240 %	97.1143 %	97.1460 %	96.2812 %
Concentration per Run	0.0000 ppm	93.9163 %	94.4159 %	95.9911 %	95.7212 %	96.5144 %	94.6022 %
Concentration per Run	0.0005 ppm	95.6681 %	94.3363 %	95.0455 %	96.4240 %	95.9370 %	95.3619 %
Recovery Percentage	6.768 %	0.6 %	0.5 %	0.7 %	0.7 %	0.6 %	0.9 %
Concentration RSD	77.3 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-1 WG2113296

Analysis started at: 9/11/2025 10:49:34 AM

Comment <Comment>

Rack Number 1

Vial Numbers 20

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0024 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0151 ppm
Concentration per Run	-0.0006 ppm	0.0058 ppm	0.0009 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0144 ppm
Concentration per Run	-0.0002 ppm	-0.0044 ppm	0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0139 ppm
Concentration per Run	-0.0002 ppm	0.0058 ppm	0.0007 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0171 ppm
Recovery Percentage	-4.676 %	2.401 %	15.018 %	0.375 %	0.125 %	0.998 %	15.128 %
Concentration RSD	72.9 %	243.5 %	14.2 %	528.1 %	463.5 %	14.3 %	11.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0540 ppm	-0.0432 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0003 ppm	-0.0002 ppm	0.0548 ppm	-0.0745 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0530 ppm	-0.0280 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0541 ppm	-0.0272 ppm	0.0009 ppm
Recovery Percentage	0.441 %	1.341 %	0.802 %	-0.642 %	107.970 %	-1.729 %	19.706 %
Concentration RSD	47.0 %	162.6 %	359.4 %	256.8 %	1.6 %	62.7 %	16.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0025 ppm	0.0005 ppm	0.0002 ppm	-0.0058 ppm	-0.0005 ppm	0.0005 ppm	0.0032 ppm
Concentration per Run	0.0022 ppm	0.0006 ppm	0.0002 ppm	-0.0074 ppm	-0.0014 ppm	0.0016 ppm	0.0038 ppm
Concentration per Run	0.0027 ppm	0.0004 ppm	0.0003 ppm	-0.0093 ppm	0.0000 ppm	0.0001 ppm	0.0030 ppm
Concentration per Run	0.0025 ppm	0.0005 ppm	0.0001 ppm	-0.0008 ppm	-0.0002 ppm	-0.0002 ppm	0.0029 ppm
Recovery Percentage	2.468 %	4.856 %	0.370 %	-0.291 %	-2.062 %	4.966 %	6.400 %
Concentration RSD	12.2 %	24.1 %	45.9 %	76.3 %	142.6 %	198.5 %	15.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	0.0126 ppm	0.0096 ppm	0.0000 ppm	-0.0010 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run	0.0040 ppm	0.0137 ppm	0.0100 ppm	0.0000 ppm	-0.0010 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run	0.0019 ppm	0.0125 ppm	0.0093 ppm	0.0001 ppm	-0.0013 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0003 ppm	0.0116 ppm	0.0094 ppm	0.0000 ppm	-0.0006 ppm	-0.0003 ppm	-0.0002 ppm
Recovery Percentage	20.478 %	2.520 %	19.146 %	0.233 %	-9.671 %	-2.406 %	-2.122 %
Concentration RSD	91.3 %	8.2 %	3.7 %	294.6 %	36.3 %	117.2 %	31.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0017 ppm	98.5744 %	98.1058 %	96.7220 %	98.0572 %	99.2067 %	97.1586 %
Concentration per Run	0.0018 ppm	97.7195 %	97.9977 %	96.6783 %	97.1859 %	99.4161 %	97.1879 %
Concentration per Run	0.0016 ppm	98.8485 %	97.5916 %	96.8841 %	97.8840 %	99.6509 %	97.1396 %
Concentration per Run	0.0016 ppm	99.1553 %	98.7281 %	96.6036 %	99.1016 %	98.5533 %	97.1484 %
Recovery Percentage	33.125 %						
Concentration RSD	7.2 %	0.8 %	0.6 %	0.2 %	1.0 %	0.6 %	0.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-2d2 WG2113296

Analysis started at: 9/11/2025 10:51:50 AM

Comment <Comment>

Rack Number 1

Vial Numbers 21

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0503 ppm	2.0245 ppm	0.1230 ppm	1.0287 ppm	1.9566 ppm	0.0507 ppm	10.4090 ppm
Concentration per Run	0.0503 ppm	2.0426 ppm	0.1245 ppm	1.0261 ppm	1.9604 ppm	0.0509 ppm	10.4494 ppm
Concentration per Run	0.0498 ppm	2.0248 ppm	0.1200 ppm	1.0306 ppm	1.9622 ppm	0.0508 ppm	10.4094 ppm
Concentration per Run	0.0508 ppm	2.0062 ppm	0.1246 ppm	1.0294 ppm	1.9472 ppm	0.0504 ppm	10.3681 ppm
Concentration RSD	1.0 %	0.9 %	2.1 %	0.2 %	0.4 %	0.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0538 ppm	0.4907 ppm	0.2008 ppm	0.2554 ppm	1.0363 ppm	10.5537 ppm	-0.0003 ppm
Concentration per Run	0.0537 ppm	0.4907 ppm	0.2005 ppm	0.2550 ppm	1.0404 ppm	10.5650 ppm	-0.0020 ppm
Concentration per Run	0.0537 ppm	0.4918 ppm	0.2014 ppm	0.2549 ppm	1.0376 ppm	10.5957 ppm	0.0007 ppm
Concentration per Run	0.0539 ppm	0.4897 ppm	0.2004 ppm	0.2562 ppm	1.0309 ppm	10.5003 ppm	0.0004 ppm
Concentration RSD	0.2 %	0.2 %	0.3 %	0.3 %	0.5 %	0.5 %	531.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.7343 ppm	0.4986 ppm	1.0218 ppm	10.7563 ppm	0.5024 ppm	0.5369 ppm	0.5177 ppm
Concentration per Run	10.8152 ppm	0.5008 ppm	1.0184 ppm	10.7610 ppm	0.5020 ppm	0.5368 ppm	0.5179 ppm
Concentration per Run	10.6978 ppm	0.4991 ppm	1.0246 ppm	10.8002 ppm	0.5031 ppm	0.5356 ppm	0.5177 ppm
Concentration per Run	10.6901 ppm	0.4960 ppm	1.0225 ppm	10.7077 ppm	0.5022 ppm	0.5383 ppm	0.5174 ppm
Concentration RSD	0.7 %	0.5 %	0.3 %	0.4 %	0.1 %	0.2 %	0.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1176 ppm	1.1436 ppm	1.0272 [SiC xx]	1.0185 ppm	1.0618 ppm	0.1216 ppm	0.5184 ppm
Concentration per Run	0.1171 ppm	1.1405 ppm	1.0241 ppm	1.0204 ppm	1.0660 ppm	0.1217 ppm	0.5184 ppm
Concentration per Run	0.1181 ppm	1.1414 ppm	1.0278 ppm	1.0201 ppm	1.0607 ppm	0.1218 ppm	0.5192 ppm
Concentration per Run	0.1176 ppm	1.1488 ppm	1.0296 ppm	1.0151 ppm	1.0586 ppm	0.1213 ppm	0.5175 ppm
Concentration RSD	0.5 %	0.4 %	0.3 %	0.3 %	0.4 %	0.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4974 ppm	98.4785 %	98.3083 %	95.3694 %	96.6575 %	99.1732 %	95.1048 %
Concentration per Run	0.4975 ppm	97.7417 %	98.0807 %	94.8787 %	95.7678 %	98.8895 %	94.6132 %
Concentration per Run	0.4975 ppm	98.4866 %	95.3365 %	95.5856 %	96.7907 %	99.4847 %	95.3348 %
Concentration per Run	0.4973 ppm	99.2071 %	98.5078 %	95.6441 %	97.4140 %	99.1454 %	95.3665 %
Concentration RSD	0.0 %	0.7 %	0.2 %	0.4 %	0.9 %	0.3 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-07d2 WG2113296

Analysis started at: 9/11/2025 10:53:55 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 27

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0052 ppm	39.3727 ppm	0.1123 ppm	0.0346 ppm	1.4264 ppm	0.0038 ppm	59.4615 ppm
Concentration per Run	0.0053 ppm	39.5410 ppm	0.1114 ppm	0.0350 ppm	1.4233 ppm	0.0038 ppm	59.7507 ppm
Concentration per Run	0.0051 ppm	39.3693 ppm	0.1125 ppm	0.0331 ppm	1.4321 ppm	0.0039 ppm	59.4422 ppm
Concentration per Run	0.0053 ppm	39.2076 ppm	0.1131 ppm	0.0357 ppm	1.4237 ppm	0.0038 ppm	59.1917 ppm
Concentration RSD	2.4 %	0.4 %	0.8 %	4.0 %	0.3 %	1.0 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0083 ppm	0.0789 ppm	0.1304 ppm	2.2807 ppm	115.8127 ppm	6.7914 ppm	0.0582 ppm
Concentration per Run	0.0082 ppm	0.0787 ppm	0.1278 ppm	2.2723 ppm	115.5008 ppm	6.7922 ppm	0.0580 ppm
Concentration per Run	0.0082 ppm	0.0785 ppm	0.1298 ppm	2.2830 ppm	116.4437 ppm	6.7985 ppm	0.0588 ppm
Concentration per Run	0.0085 ppm	0.0794 ppm	0.1335 ppm	2.2867 ppm	115.4935 ppm	6.7836 ppm	0.0578 ppm
Concentration RSD	2.2 %	0.5 %	2.2 %	0.3 %	0.5 %	0.1 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	16.9994 ppm	5.1344 ppm	0.0197 ppm	4.8968 ppm	0.1532 ppm	11.6673 ppm	0.0180 ppm
Concentration per Run	16.8547 ppm	5.1432 ppm	0.0197 ppm	4.8890 ppm	0.1522 ppm	11.6108 ppm	0.0181 ppm
Concentration per Run	16.9663 ppm	5.1428 ppm	0.0195 ppm	4.8958 ppm	0.1524 ppm	11.6883 ppm	0.0158 ppm
Concentration per Run	17.1773 ppm	5.1173 ppm	0.0201 ppm	4.9056 ppm	0.1550 ppm	11.7029 ppm	0.0203 ppm
Concentration RSD	1.0 %	0.3 %	1.6 %	0.2 %	1.0 %	0.4 %	12.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0210 ppm	8.1269 ppm	0.9074 ppm	0.3456 ppm	1.8889 ppm	0.0007 ppm	0.1954 ppm
Concentration per Run	0.0211 ppm	8.1224 ppm	0.9026 ppm	0.3460 ppm	1.8690 ppm	0.0002 ppm	0.1939 ppm
Concentration per Run	0.0223 ppm	8.2112 ppm	0.9093 ppm	0.3490 ppm	1.9122 ppm	0.0008 ppm	0.1957 ppm
Concentration per Run	0.0197 ppm	8.0470 ppm	0.9104 ppm	0.3416 ppm	1.8856 ppm	0.0010 ppm	0.1964 ppm
Concentration RSD	6.2 %	1.0 %	0.5 %	1.1 %	1.2 %	63.1 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	3.2723 ppm	101.0503 %	101.2996 %	96.0789 %	109.0164 %	112.6848 %	108.8257 %
Concentration per Run	3.2666 ppm	101.3878 %	101.1568 %	95.4681 %	109.0745 %	112.3816 %	108.1915 %
Concentration per Run	3.2760 ppm	100.7319 %	101.3341 %	96.1636 %	108.5928 %	112.5091 %	108.6430 %
Concentration per Run	3.2742 ppm	101.0311 %	101.4080 %	96.6050 %	109.3818 %	113.1638 %	109.6426 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.6 %	0.4 %	0.4 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR Ba 20
Analysis started at: 9/11/2025 10:55:59 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 19

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0045 ppm	0.0010 ppm	0.0007 ppm	19.4872 ppm	0.0001 ppm	-0.0023 ppm
Concentration per Run	0.0000 ppm	-0.0034 ppm	-0.0001 ppm	0.0024 ppm	19.5290 ppm	0.0000 ppm	-0.0017 ppm
Concentration per Run	-0.0004 ppm	-0.0051 ppm	0.0026 ppm	0.0003 ppm	19.4508 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run	-0.0006 ppm	-0.0051 ppm	0.0006 ppm	-0.0005 ppm	19.4819 ppm	0.0001 ppm	-0.0023 ppm
Concentration RSD	84.7 %	21.9 %	135.3 %	200.1 %	0.2 %	49.7 %	26.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0028 ppm	-0.0303 ppm	0.0006 ppm
Concentration per Run	0.0002 ppm	-0.0061 ppm	0.0001 ppm	0.0004 ppm	0.0034 ppm	-0.0131 ppm	0.0014 ppm
Concentration per Run	0.0001 ppm	-0.0060 ppm	0.0005 ppm	0.0009 ppm	0.0039 ppm	-0.0355 ppm	-0.0009 ppm
Concentration per Run	0.0001 ppm	-0.0061 ppm	-0.0002 ppm	-0.0001 ppm	0.0012 ppm	-0.0425 ppm	0.0014 ppm
Concentration RSD	55.5 %	1.3 %	241.0 %	133.4 %	49.6 %	50.5 %	212.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0012 ppm	0.0001 ppm	-0.0001 ppm	-0.0010 ppm	-0.0008 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run	0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0047 ppm	-0.0009 ppm	0.0004 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	-0.0001 ppm	-0.0034 ppm	-0.0011 ppm	0.0001 ppm	0.0025 ppm
Concentration per Run	0.0019 ppm	0.0002 ppm	-0.0001 ppm	0.0050 ppm	-0.0005 ppm	-0.0006 ppm	0.0013 ppm
Concentration RSD	70.4 %	125.4 %	81.2 %	504.2 %	39.0 %	1,901.0 %	122.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	0.0088 ppm	0.0010 ppm	0.0004 ppm	-0.0008 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run	0.0011 ppm	0.0127 ppm	0.0013 ppm	0.0005 ppm	-0.0007 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0032 ppm	0.0068 ppm	0.0010 ppm	0.0005 ppm	-0.0006 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0005 ppm	0.0068 ppm	0.0006 ppm	0.0004 ppm	-0.0011 ppm	-0.0002 ppm	-0.0002 ppm
Concentration RSD	85.5 %	38.9 %	33.4 %	16.3 %	35.2 %	175.3 %	31.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0019 ppm	98.5648 %	96.7883 %	97.3038 %	98.8125 %	98.9284 %	97.3280 %
Concentration per Run	-0.0018 ppm	98.5230 %	97.0989 %	97.6348 %	99.1733 %	98.9866 %	97.7960 %
Concentration per Run	-0.0020 ppm	98.5997 %	96.7622 %	96.6165 %	98.7638 %	98.9031 %	96.7190 %
Concentration per Run	-0.0018 ppm	98.5717 %	96.5037 %	97.6602 %	98.5005 %	98.8954 %	97.4690 %
Concentration RSD	6.8 %	0.0 %	0.3 %	0.6 %	0.3 %	0.1 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556592-03d2 WG2112933

Analysis started at: 9/11/2025 10:58:04 AM

Comment <Comment>

Rack Number 1

Vial Numbers 18

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	34.6594 ppm	0.1169 ppm	0.0053 ppm	1.2614 ppm	0.0031 ppm	4.2446 ppm
Concentration per Run	0.0003 ppm	34.6625 ppm	0.1153 ppm	0.0042 ppm	1.2612 ppm	0.0031 ppm	4.2459 ppm
Concentration per Run	0.0002 ppm	34.6954 ppm	0.1179 ppm	0.0060 ppm	1.2616 ppm	0.0030 ppm	4.2511 ppm
Concentration per Run	0.0008 ppm	34.6203 ppm	0.1175 ppm	0.0056 ppm	1.2614 ppm	0.0031 ppm	4.2369 ppm
Concentration RSD	81.7 %	0.1 %	1.2 %	17.9 %	0.0 %	1.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0224 ppm	0.1870 ppm	1.2810 ppm	98.6658 ppm	2.0452 ppm	0.0462 ppm
Concentration per Run	0.0007 ppm	0.0223 ppm	0.1862 ppm	1.2791 ppm	98.3886 ppm	2.0485 ppm	0.0451 ppm
Concentration per Run	0.0007 ppm	0.0225 ppm	0.1867 ppm	1.2742 ppm	98.7660 ppm	2.0447 ppm	0.0458 ppm
Concentration per Run	0.0004 ppm	0.0224 ppm	0.1881 ppm	1.2895 ppm	98.8427 ppm	2.0425 ppm	0.0475 ppm
Concentration RSD	31.3 %	0.5 %	0.5 %	0.6 %	0.2 %	0.1 %	2.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	8.3871 ppm	1.1960 ppm	0.0053 ppm	2.0083 ppm	0.0481 ppm	1.2872 ppm	0.0060 ppm
Concentration per Run	8.3316 ppm	1.1981 ppm	0.0052 ppm	2.0097 ppm	0.0487 ppm	1.2862 ppm	0.0038 ppm
Concentration per Run	8.4185 ppm	1.1955 ppm	0.0055 ppm	1.9951 ppm	0.0481 ppm	1.2906 ppm	0.0082 ppm
Concentration per Run	8.4112 ppm	1.1943 ppm	0.0052 ppm	2.0201 ppm	0.0474 ppm	1.2847 ppm	0.0059 ppm
Concentration RSD	0.6 %	0.2 %	3.2 %	0.6 %	1.4 %	0.2 %	37.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	3.4867 ppm	0.0242 ppm	0.0435 ppm	0.4822 ppm	0.0010 ppm	0.1034 ppm
Concentration per Run	0.0056 ppm	3.4654 ppm	0.0242 ppm	0.0434 ppm	0.4786 ppm	0.0027 ppm	0.1029 ppm
Concentration per Run	0.0035 ppm	3.5037 ppm	0.0235 ppm	0.0437 ppm	0.4825 ppm	0.0011 ppm	0.1037 ppm
Concentration per Run	0.0040 ppm	3.4910 ppm	0.0248 ppm	0.0433 ppm	0.4856 ppm	-0.0007 ppm	0.1037 ppm
Concentration RSD	25.3 %	0.6 %	2.8 %	0.5 %	0.7 %	167.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2891 ppm	100.2102 %	99.5646 %	95.7519 %	106.8181 %	109.6894 %	106.1643 %
Concentration per Run	0.2888 ppm	100.2021 %	99.4725 %	95.5754 %	106.6996 %	110.7893 %	105.7392 %
Concentration per Run	0.2886 ppm	100.1559 %	99.1656 %	95.6944 %	106.8192 %	108.0709 %	106.2958 %
Concentration per Run	0.2898 ppm	100.2726 %	100.0558 %	95.9860 %	106.9654 %	110.2080 %	106.4580 %
Concentration RSD	0.2 %	0.1 %	0.5 %	0.2 %	0.1 %	1.3 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-22d2 WG2113296

Analysis started at: 9/11/2025 11:00:09 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 22

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0014 ppm	148.2126 ppm	0.0181 ppm	0.0185 ppm	1.7636 ppm	0.0039 ppm	21.2789 ppm
Concentration per Run	-0.0011 ppm	148.1829 ppm	0.0166 ppm	0.0192 ppm	1.7634 ppm	0.0038 ppm	21.3444 ppm
Concentration per Run	-0.0013 ppm	148.4078 ppm	0.0196 ppm	0.0193 ppm	1.7690 ppm	0.0039 ppm	21.3491 ppm
Concentration per Run	-0.0019 ppm	148.0470 ppm	0.0180 ppm	0.0170 ppm	1.7583 ppm	0.0039 ppm	21.1430 ppm
Concentration RSD	28.4 %	0.1 %	8.1 %	6.9 %	0.3 %	0.7 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0923 ppm	0.6840 ppm	0.1268 ppm	245.1714 ppm	87.6405 ppm	0.1846 ppm
Concentration per Run	0.0007 ppm	0.0920 ppm	0.6802 ppm	0.1269 ppm	244.4295 ppm	87.3618 ppm	0.1849 ppm
Concentration per Run	0.0008 ppm	0.0925 ppm	0.6835 ppm	0.1267 ppm	245.2145 ppm	87.9056 ppm	0.1851 ppm
Concentration per Run	0.0006 ppm	0.0924 ppm	0.6884 ppm	0.1267 ppm	245.8703 ppm	87.6540 ppm	0.1839 ppm
Concentration RSD	15.9 %	0.3 %	0.6 %	0.1 %	0.3 %	0.3 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	103.7898 ppm	3.1886 ppm	0.0005 ppm	16.2341 ppm	0.3147 ppm	0.3023 ppm	-0.0027 ppm
Concentration per Run	102.7325 ppm	3.1878 ppm	0.0005 ppm	16.2647 ppm	0.3113 ppm	0.3012 ppm	-0.0004 ppm
Concentration per Run	103.5359 ppm	3.1929 ppm	0.0001 ppm	16.2259 ppm	0.3163 ppm	0.3046 ppm	-0.0055 ppm
Concentration per Run	105.1008 ppm	3.1851 ppm	0.0009 ppm	16.2116 ppm	0.3166 ppm	0.3010 ppm	-0.0023 ppm
Concentration RSD	1.2 %	0.1 %	75.2 %	0.2 %	1.0 %	0.7 %	94.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0029 ppm	9.4726 ppm	0.0176 ppm	0.1291 ppm	14.5321 ppm	0.0042 ppm	0.5255 ppm
Concentration per Run	0.0026 ppm	9.4776 ppm	0.0175 ppm	0.1290 ppm	14.3778 ppm	0.0043 ppm	0.5214 ppm
Concentration per Run	0.0021 ppm	9.5439 ppm	0.0161 ppm	0.1293 ppm	14.5058 ppm	0.0025 ppm	0.5259 ppm
Concentration per Run	0.0040 ppm	9.3962 ppm	0.0193 ppm	0.1290 ppm	14.7128 ppm	0.0056 ppm	0.5290 ppm
Concentration RSD	33.6 %	0.8 %	9.1 %	0.1 %	1.2 %	37.6 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7558 ppm	103.5841 %	106.0718 %	94.9546 %	118.9591 %	127.6711 %	119.4167 %
Concentration per Run	0.7490 ppm	103.2483 %	106.6027 %	94.9388 %	118.0034 %	128.6083 %	119.4227 %
Concentration per Run	0.7547 ppm	104.3678 %	105.6778 %	94.5244 %	119.8822 %	127.4025 %	119.2296 %
Concentration per Run	0.7636 ppm	103.1362 %	105.9347 %	95.4006 %	118.9917 %	127.0024 %	119.5976 %
Concentration RSD	1.0 %	0.7 %	0.5 %	0.5 %	0.8 %	0.7 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-3d2 WG2113296

Analysis started at: 9/11/2025 11:02:15 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 23

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0430 ppm	74.6352 ppm	0.1086 ppm	0.8690 ppm	2.1894 ppm	0.0417 ppm	29.0354 ppm
Concentration per Run	0.0423 ppm	74.5944 ppm	0.1112 ppm	0.8589 ppm	2.1976 ppm	0.0418 ppm	29.0005 ppm
Concentration per Run	0.0428 ppm	72.2092 ppm	0.1102 ppm	0.8730 ppm	2.1109 ppm	0.0403 ppm	28.0843 ppm
Concentration per Run	0.0439 ppm	77.1019 ppm	0.1045 ppm	0.8750 ppm	2.2596 ppm	0.0429 ppm	30.0213 ppm
Concentration RSD	1.9 %	3.3 %	3.4 %	1.0 %	3.4 %	3.2 %	3.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0459 ppm	0.4636 ppm	0.4635 ppm	0.4326 ppm	120.3165 ppm	34.6423 ppm	0.0995 ppm
Concentration per Run	0.0453 ppm	0.4593 ppm	0.4589 ppm	0.4274 ppm	120.3361 ppm	34.6800 ppm	0.1010 ppm
Concentration per Run	0.0463 ppm	0.4660 ppm	0.4649 ppm	0.4343 ppm	115.9694 ppm	33.5726 ppm	0.0955 ppm
Concentration per Run	0.0462 ppm	0.4655 ppm	0.4667 ppm	0.4362 ppm	124.6440 ppm	35.6743 ppm	0.1021 ppm
Concentration RSD	1.1 %	0.8 %	0.9 %	1.1 %	3.6 %	3.0 %	3.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	61.8789 ppm	2.1216 ppm	0.8559 ppm	22.8989 ppm	0.5791 ppm	0.8850 ppm	0.1833 ppm
Concentration per Run	61.1621 ppm	2.1203 ppm	0.8484 ppm	22.9270 ppm	0.5750 ppm	0.9054 ppm	0.1832 ppm
Concentration per Run	62.1138 ppm	2.0547 ppm	0.8622 ppm	22.1862 ppm	0.5818 ppm	0.8889 ppm	0.1852 ppm
Concentration per Run	62.3608 ppm	2.1898 ppm	0.8572 ppm	23.5834 ppm	0.5805 ppm	0.8606 ppm	0.1816 ppm
Concentration RSD	1.0 %	3.2 %	0.8 %	3.1 %	0.6 %	2.6 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1034 ppm	13.4781 ppm	0.8453 ppm	0.8820 ppm	7.0548 ppm	0.0992 ppm	0.7027 ppm
Concentration per Run	0.1086 ppm	13.3881 ppm	0.8401 ppm	0.8840 ppm	6.9508 ppm	0.1026 ppm	0.6934 ppm
Concentration per Run	0.1033 ppm	13.4222 ppm	0.8442 ppm	0.8517 ppm	7.1211 ppm	0.1003 ppm	0.7076 ppm
Concentration per Run	0.0984 ppm	13.6239 ppm	0.8517 ppm	0.9102 ppm	7.0926 ppm	0.0947 ppm	0.7073 ppm
Concentration RSD	4.9 %	0.9 %	0.7 %	3.3 %	1.3 %	4.1 %	1.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.3153 ppm	107.5630 ppm	117.7836 ppm	101.6760 ppm	119.4610 ppm	135.2828 ppm
Concentration per Run	1.3033 ppm	106.6362 ppm	116.5867 ppm	99.9271 ppm	117.3978 ppm	136.0820 ppm
Concentration per Run	1.3213 ppm	108.6302 ppm	119.1114 ppm	100.9997 ppm	121.3438 ppm	137.3700 ppm
Concentration per Run	1.3214 ppm	107.4225 ppm	117.6525 ppm	104.1010 ppm	119.6415 ppm	132.3965 ppm
Concentration RSD	0.8 %	0.9 %	1.1 %	2.1 %	1.7 %	1.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: xWG2113296-4d2 WG2113296

Analysis started at: 9/11/2025 11:04:20 AM

Comment <Comment>

Rack Number 1

Vial Numbers 24

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0372 ppm	69.0670 ppm	0.0871 ppm	0.7461 ppm	2.0773 ppm	0.0389 ppm	26.0716 ppm
Concentration per Run	0.0359 ppm	35.3198 ppm	0.0932 ppm	0.7542 ppm	0.9852 ppm	0.0189 ppm	12.9280 ppm
Concentration per Run	0.0385 ppm	82.5235 ppm	0.0865 ppm	0.7498 ppm	2.5133 ppm	0.0468 ppm	31.4079 ppm
Concentration per Run	0.0371 ppm	89.3578 ppm	0.0817 ppm	0.7342 ppm	2.7334 ppm	0.0509 ppm	33.8790 ppm
Concentration RSD	3.5 %	42.6 %	6.6 %	1.4 %	45.8 %	44.8 %	43.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0409 ppm	0.4143 ppm	0.4082 ppm	0.3419 ppm	115.5030 ppm	33.8736 ppm	0.1005 ppm
Concentration per Run	0.0423 ppm	0.4213 ppm	0.4120 ppm	0.3388 ppm	54.6264 ppm	17.2297 ppm	0.0522 ppm
Concentration per Run	0.0407 ppm	0.4167 ppm	0.4109 ppm	0.3471 ppm	139.2324 ppm	40.1674 ppm	0.1183 ppm
Concentration per Run	0.0399 ppm	0.4049 ppm	0.4016 ppm	0.3396 ppm	152.6503 ppm	44.2237 ppm	0.1310 ppm
Concentration RSD	2.9 %	2.0 %	1.4 %	1.3 %	46.0 %	43.0 %	42.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	54.0402 ppm	3.0672 ppm	0.7508 ppm	22.7048 ppm	0.5072 ppm	0.6804 ppm	0.1601 ppm
Concentration per Run	54.5960 ppm	1.4405 ppm	0.7617 ppm	11.7066 ppm	0.5157 ppm	0.7339 ppm	0.1626 ppm
Concentration per Run	54.2881 ppm	3.7243 ppm	0.7535 ppm	27.1216 ppm	0.5088 ppm	0.6795 ppm	0.1594 ppm
Concentration per Run	53.2364 ppm	4.0369 ppm	0.7372 ppm	29.2861 ppm	0.4972 ppm	0.6279 ppm	0.1583 ppm
Concentration RSD	1.3 %	46.2 %	1.7 %	42.2 %	1.8 %	7.8 %	1.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0829 ppm	10.4197 ppm	0.7315 ppm	0.8376 ppm	6.1914 ppm	0.0813 ppm	0.6384 ppm
Concentration per Run	0.0899 ppm	10.3996 ppm	0.7419 ppm	0.4133 ppm	6.2447 ppm	0.0895 ppm	0.6466 ppm
Concentration per Run	0.0816 ppm	10.6630 ppm	0.7322 ppm	1.0037 ppm	6.2515 ppm	0.0805 ppm	0.6401 ppm
Concentration per Run	0.0773 ppm	10.1966 ppm	0.7204 ppm	1.0959 ppm	6.0779 ppm	0.0740 ppm	0.6284 ppm
Concentration RSD	7.7 %	2.2 %	1.5 %	44.2 %	1.6 %	9.6 %	1.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.9302 ppm	111.9224 %	100.0937 %	112.1015 %	126.9917 %	118.1999 %	134.0111 %
Concentration per Run	0.9425 ppm	110.5506 %	95.0219 %	105.6922 %	124.7137 %	103.9360 %	128.0387 %
Concentration per Run	0.9334 ppm	112.0167 %	106.6496 %	111.4920 %	126.9037 %	130.0062 %	133.1884 %
Concentration per Run	0.9148 ppm	113.1999 %	98.6094 %	119.1201 %	129.3578 %	120.6576 %	140.8062 %
Concentration RSD	1.5 %	1.2 %	5.9 %	6.0 %	1.8 %	11.2 %	4.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-5d2 WG2113296

Analysis started at: 9/11/2025 11:06:25 AM

Comment <Comment>

Rack Number 1

Vial Numbers 25

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0432 ppm	149.2713 ppm	0.1031 ppm	0.8340 ppm	3.3662 ppm	0.0457 ppm	29.3493 ppm
Concentration per Run	0.0432 ppm	149.5022 ppm	0.1040 ppm	0.8328 ppm	3.3612 ppm	0.0457 ppm	29.4239 ppm
Concentration per Run	0.0430 ppm	149.4543 ppm	0.1019 ppm	0.8379 ppm	3.3656 ppm	0.0457 ppm	29.3593 ppm
Concentration per Run	0.0434 ppm	148.8573 ppm	0.1034 ppm	0.8314 ppm	3.3719 ppm	0.0457 ppm	29.2647 ppm
Concentration RSD	0.5 %	0.2 %	1.0 %	0.4 %	0.2 %	0.0 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0436 ppm	0.4847 ppm	0.8517 ppm	0.3398 ppm	244.1501 ppm	95.7657 ppm	0.1818 ppm
Concentration per Run	0.0436 ppm	0.4844 ppm	0.8475 ppm	0.3386 ppm	242.3050 ppm	95.4037 ppm	0.1802 ppm
Concentration per Run	0.0437 ppm	0.4852 ppm	0.8560 ppm	0.3412 ppm	245.8116 ppm	95.8571 ppm	0.1816 ppm
Concentration per Run	0.0436 ppm	0.4845 ppm	0.8517 ppm	0.3397 ppm	244.3338 ppm	96.0362 ppm	0.1835 ppm
Concentration RSD	0.1 %	0.1 %	0.5 %	0.4 %	0.7 %	0.3 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	112.9021 ppm	3.5735 ppm	0.8196 ppm	24.7632 ppm	0.7154 ppm	0.7443 ppm	0.4232 ppm
Concentration per Run	111.9327 ppm	3.5731 ppm	0.8214 ppm	24.7486 ppm	0.7162 ppm	0.7439 ppm	0.4263 ppm
Concentration per Run	113.8394 ppm	3.5812 ppm	0.8199 ppm	24.7579 ppm	0.7170 ppm	0.7454 ppm	0.4185 ppm
Concentration per Run	112.9343 ppm	3.5663 ppm	0.8176 ppm	24.7831 ppm	0.7129 ppm	0.7435 ppm	0.4247 ppm
Concentration RSD	0.8 %	0.2 %	0.2 %	0.1 %	0.3 %	0.1 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1040 ppm	10.8159 ppm	0.8275 ppm	0.9445 ppm	15.5288 ppm	0.1004 ppm	0.9521 ppm
Concentration per Run	0.1040 ppm	11.0472 ppm	0.8283 ppm	0.9430 ppm	15.4161 ppm	0.1031 ppm	0.9425 ppm
Concentration per Run	0.1040 ppm	10.7450 ppm	0.8284 ppm	0.9449 ppm	15.6717 ppm	0.0988 ppm	0.9572 ppm
Concentration per Run	0.1039 ppm	10.6557 ppm	0.8257 ppm	0.9456 ppm	15.4985 ppm	0.0993 ppm	0.9566 ppm
Concentration RSD	0.0 %	1.9 %	0.2 %	0.1 %	0.8 %	2.4 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.1611 ppm	102.4842 %	105.2646 %	94.4189 %	118.3413 %	118.5993 %
Concentration per Run	1.1578 ppm	102.2514 %	105.0167 %	94.7595 %	117.6207 %	118.9472 %
Concentration per Run	1.1661 ppm	102.3453 %	105.4052 %	94.5380 %	118.6508 %	118.7570 %
Concentration per Run	1.1596 ppm	102.8560 %	105.3721 %	93.9593 %	118.7525 %	118.0938 %
Concentration RSD	0.4 %	0.3 %	0.2 %	0.4 %	0.5 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-6d10.WG2113296

Analysis started at: 9/11/2025 11:08:30 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 26

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	29.7179 ppm	0.0056 ppm	0.0049 ppm	0.3524 ppm	0.0008 ppm	4.2882 ppm
Concentration per Run	-0.0010 ppm	29.5299 ppm	0.0058 ppm	0.0052 ppm	0.3518 ppm	0.0007 ppm	4.2905 ppm
Concentration per Run	-0.0003 ppm	29.8206 ppm	0.0049 ppm	0.0040 ppm	0.3527 ppm	0.0008 ppm	4.2807 ppm
Concentration per Run	-0.0003 ppm	29.8033 ppm	0.0061 ppm	0.0054 ppm	0.3528 ppm	0.0008 ppm	4.2934 ppm
Concentration RSD	86.0 %	0.5 %	10.6 %	15.1 %	0.2 %	3.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0192 ppm	0.1393 ppm	0.0254 ppm	51.6593 ppm	17.4551 ppm	0.0380 ppm
Concentration per Run	0.0001 ppm	0.0192 ppm	0.1395 ppm	0.0258 ppm	51.6743 ppm	17.3904 ppm	0.0394 ppm
Concentration per Run	0.0002 ppm	0.0194 ppm	0.1397 ppm	0.0251 ppm	51.5839 ppm	17.5118 ppm	0.0377 ppm
Concentration per Run	0.0002 ppm	0.0189 ppm	0.1388 ppm	0.0253 ppm	51.7197 ppm	17.4630 ppm	0.0369 ppm
Concentration RSD	21.7 %	1.3 %	0.3 %	1.4 %	0.1 %	0.3 %	3.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	21.5620 ppm	0.6515 ppm	0.0001 ppm	3.2794 ppm	0.0659 ppm	0.0617 ppm	-0.0004 ppm
Concentration per Run	21.6992 ppm	0.6506 ppm	0.0000 ppm	3.2535 ppm	0.0668 ppm	0.0607 ppm	0.0007 ppm
Concentration per Run	21.5633 ppm	0.6534 ppm	0.0000 ppm	3.3149 ppm	0.0650 ppm	0.0614 ppm	-0.0028 ppm
Concentration per Run	21.4236 ppm	0.6505 ppm	0.0003 ppm	3.2699 ppm	0.0659 ppm	0.0631 ppm	0.0008 ppm
Concentration RSD	0.6 %	0.3 %	193.9 %	1.0 %	1.3 %	2.0 %	462.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	1.8881 ppm	0.0046 ppm	0.0256 ppm	2.9729 ppm	0.0011 ppm	0.1047 ppm
Concentration per Run	0.0026 ppm	1.9677 ppm	0.0054 ppm	0.0256 ppm	2.9857 ppm	0.0006 ppm	0.1047 ppm
Concentration per Run	0.0009 ppm	1.8534 ppm	0.0045 ppm	0.0258 ppm	2.9778 ppm	0.0017 ppm	0.1050 ppm
Concentration per Run	0.0012 ppm	1.8431 ppm	0.0037 ppm	0.0254 ppm	2.9552 ppm	0.0011 ppm	0.1044 ppm
Concentration RSD	59.9 %	3.7 %	18.9 %	0.7 %	0.5 %	45.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1567 ppm	100.5947 %	100.1961 %	97.2289 %	101.7362 %	104.3768 %	101.8899 %
Concentration per Run	0.1566 ppm	100.3260 %	101.2609 %	97.2431 %	101.4729 %	104.4057 %	102.1419 %
Concentration per Run	0.1576 ppm	100.6816 %	99.0979 %	97.0304 %	101.8366 %	104.1551 %	101.2363 %
Concentration per Run	0.1560 ppm	100.7764 %	100.2294 %	97.4131 %	101.8991 %	104.5695 %	102.2915 %
Concentration RSD	0.5 %	0.2 %	1.1 %	0.2 %	0.2 %	0.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample:

Analysis started at: 9/11/2025 11:10:35 AM

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Rack Number

0

Vial Numbers

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5069 ppm	0.4837 ppm	0.4887 ppm	0.4955 ppm	0.4920 ppm	0.5079 ppm	0.4907 ppm
Concentration per Run	0.5048 ppm	0.4910 ppm	0.4881 ppm	0.4938 ppm	0.4947 ppm	0.5088 ppm	0.4888 ppm
Concentration per Run	0.5063 ppm	0.4780 ppm	0.4920 ppm	0.4939 ppm	0.4900 ppm	0.5068 ppm	0.4922 ppm
Concentration per Run	0.5096 ppm	0.4821 ppm	0.4860 ppm	0.4987 ppm	0.4914 ppm	0.5081 ppm	0.4911 ppm
Recovery Percentage	101.380 %	96.737 %	97.742 %	99.090 %	98.399 %	101.580 %	98.142 %
Concentration RSD	0.5 %	1.4 %	0.6 %	0.6 %	0.5 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5184 ppm	0.5102 ppm	0.5117 ppm	0.5230 ppm	0.5104 ppm	5.1549 ppm	0.5091 ppm
Concentration per Run	0.5153 ppm	0.5094 ppm	0.5088 ppm	0.5209 ppm	0.5122 ppm	5.1684 ppm	0.5090 ppm
Concentration per Run	0.5197 ppm	0.5111 ppm	0.5145 ppm	0.5241 ppm	0.5116 ppm	5.1221 ppm	0.5092 ppm
Concentration per Run	0.5200 ppm	0.5103 ppm	0.5118 ppm	0.5240 ppm	0.5075 ppm	5.1742 ppm	0.5090 ppm
Recovery Percentage	103.672 %	102.050 %	102.342 %	104.605 %	102.080 %	103.098 %	101.816 %
Concentration RSD	0.5 %	0.2 %	0.6 %	0.3 %	0.5 %	0.6 %	0.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5229 ppm	0.5077 ppm	0.4920 ppm	10.2721 ppm	0.5160 ppm	0.5109 ppm	0.5232 ppm
Concentration per Run	0.5169 ppm	0.5086 ppm	0.4876 ppm	10.2520 ppm	0.5126 ppm	0.5105 ppm	0.5196 ppm
Concentration per Run	0.5255 ppm	0.5060 ppm	0.4938 ppm	10.2511 ppm	0.5169 ppm	0.5102 ppm	0.5260 ppm
Concentration per Run	0.5264 ppm	0.5085 ppm	0.4945 ppm	10.3131 ppm	0.5185 ppm	0.5118 ppm	0.5241 ppm
Recovery Percentage	104.586 %	101.543 %	98.392 %	102.721 %	103.195 %	102.170 %	104.644 %
Concentration RSD	1.0 %	0.3 %	0.8 %	0.3 %	0.6 %	0.2 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4883 ppm	5.4480 ppm	0.5006 ppm	0.5029 ppm	0.5146 ppm	0.5073 ppm	0.5164 ppm
Concentration per Run	0.4873 ppm	5.4229 ppm	0.4985 ppm	0.5058 ppm	0.5104 ppm	0.5069 ppm	0.5147 ppm
Concentration per Run	0.4921 ppm	5.4472 ppm	0.5016 ppm	0.5017 ppm	0.5152 ppm	0.5112 ppm	0.5169 ppm
Concentration per Run	0.4856 ppm	5.4737 ppm	0.5016 ppm	0.5012 ppm	0.5182 ppm	0.5039 ppm	0.5176 ppm
Recovery Percentage	97.667 %	103.771 %	100.114 %	100.575 %	102.922 %	101.469 %	103.280 %
Concentration RSD	0.7 %	0.5 %	0.4 %	0.5 %	0.8 %	0.7 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5047 ppm	100.0449 %	98.7007 %	97.8841 %	98.1576 %	99.1686 %	96.8805 %
Concentration per Run	0.5019 ppm	100.0420 %	98.9147 %	97.7179 %	98.4719 %	99.9351 %	96.7408 %
Concentration per Run	0.5060 ppm	99.7220 %	97.7239 %	97.7239 %	97.2565 %	99.3672 %	96.6942 %
Concentration per Run	0.5062 ppm	100.3708 %	97.8371 %	98.2103 %	98.7444 %	98.2036 %	97.2064 %
Recovery Percentage	100.938 %						
Concentration RSD	0.5 %	0.3 %	0.8 %	0.3 %	0.8 %	0.9 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 11:12:40 AM

Analysis started at: 9/11/2025 11:12:40 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0017 ppm	0.0001 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	-0.0001 ppm	-0.0068 ppm	-0.0012 ppm	0.0018 ppm	-0.0001 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run	0.0000 ppm	0.0014 ppm	0.0007 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0031 ppm
Concentration per Run	-0.0005 ppm	0.0103 ppm	0.0008 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage	-3.169 %	1.651 %	1.815 %	2.730 %	-0.891 %	0.665 %	-1.545 %
Concentration RSD	125.6 %	516.1 %	1.217.7 %	116.0 %	78.9 %	26.6 %	101.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0014 ppm	0.0005 ppm	0.0011 ppm
Concentration per Run	0.0002 ppm	-0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0133 ppm	0.0017 ppm	0.0017 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0001 ppm	0.0005 ppm	0.0015 ppm	0.0008 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0006 ppm	-0.0004 ppm	0.0012 ppm	-0.0127 ppm	0.0007 ppm
Recovery Percentage	2.284 %	0.040 %	-1.510 %	-1.112 %	2.843 %	0.019 %	21.661 %
Concentration RSD	53.6 %	9.544.3 %	284.3 %	230.4 %	15.0 %	2,774.9 %	46.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0007 ppm	-0.0001 ppm	0.0000 ppm	-0.0067 ppm	-0.0003 ppm	0.0003 ppm	0.0018 ppm
Concentration per Run	-0.0035 ppm	0.0000 ppm	0.0000 ppm	-0.0020 ppm	-0.0001 ppm	0.0009 ppm	-0.0006 ppm
Concentration per Run	0.0004 ppm	-0.0001 ppm	0.0001 ppm	-0.0119 ppm	-0.0004 ppm	0.0011 ppm	-0.0019 ppm
Concentration per Run	0.0010 ppm	0.0000 ppm	-0.0001 ppm	-0.0061 ppm	-0.0005 ppm	-0.0010 ppm	0.0041 ppm
Recovery Percentage	-0.670 %	-0.549 %	0.001 %	-0.334 %	-1.357 %	3.218 %	3.664 %
Concentration RSD	366.0 %	156.4 %	16,188.0 %	74.9 %	64.7 %	364.4 %	129.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0011 ppm	0.0056 ppm	-0.0001 ppm	-0.0001 ppm	-0.0008 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0032 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	-0.0002 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run	0.0014 ppm	0.0049 ppm	0.0006 ppm	-0.0002 ppm	-0.0010 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	-0.0012 ppm	0.0058 ppm	-0.0012 ppm	0.0000 ppm	-0.0011 ppm	-0.0004 ppm	-0.0002 ppm
Recovery Percentage	11.137 %	1.114 %	-0.205 %	-1.013 %	-7.563 %	3.499 %	-0.327 %
Concentration RSD	196.8 %	9.8 %	925.9 %	104.8 %	60.3 %	139.9 %	560.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	98.4676 %	96.9976 %	97.4935 %	99.2309 %	99.1563 %	97.7614 %
Concentration per Run	0.0002 ppm	99.0186 %	96.9871 %	97.1782 %	100.0140 %	100.3917 %	97.6058 %
Concentration per Run	0.0006 ppm	97.8135 %	96.9147 %	97.2745 %	98.0895 %	98.5100 %	97.6773 %
Concentration per Run	0.0002 ppm	98.5708 %	97.0909 %	98.0278 %	99.5891 %	98.5671 %	98.0010 %
Recovery Percentage	6.205 %						
Concentration RSD	75.9 %	0.6 %	0.1 %	0.5 %	1.0 %	1.1 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR Fe 300

Analysis started at: 9/11/2025 11:22:23 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 33

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0024 ppm	-0.0006 ppm	0.0008 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run	0.0018 ppm	0.0016 ppm	0.0026 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0051 ppm
Concentration per Run	0.0030 ppm	0.0065 ppm	-0.0011 ppm	0.0027 ppm	-0.0003 ppm	0.0000 ppm	0.0057 ppm
Concentration per Run	0.0023 ppm	-0.0099 ppm	0.0010 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0017 ppm
Concentration RSD	25.4 %	1.408.4 %	219.6 %	100.7 %	78.0 %	627.9 %	135.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0012 ppm	0.0012 ppm	0.0001 ppm	283.4062 ppm	-0.0104 ppm	0.0009 ppm
Concentration per Run	0.0004 ppm	0.0014 ppm	0.0018 ppm	-0.0010 ppm	282.6589 ppm	-0.0154 ppm	0.0013 ppm
Concentration per Run	0.0004 ppm	0.0013 ppm	0.0004 ppm	0.0007 ppm	282.8006 ppm	0.0068 ppm	0.0000 ppm
Concentration per Run	0.0004 ppm	0.0010 ppm	-0.0007 ppm	0.0006 ppm	284.7591 ppm	-0.0225 ppm	0.0014 ppm
Concentration RSD	7.7 %	15.1 %	77.5 %	1.121.3 %	0.4 %	147.4 %	89.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0028 ppm	-0.0019 ppm	-0.0015 ppm	-0.0105 ppm	-0.0002 ppm	-0.0016 ppm	-0.0024 ppm
Concentration per Run	-0.0035 ppm	-0.0019 ppm	-0.0017 ppm	-0.0096 ppm	-0.0007 ppm	-0.0021 ppm	-0.0031 ppm
Concentration per Run	-0.0025 ppm	-0.0019 ppm	-0.0014 ppm	-0.0125 ppm	0.0003 ppm	-0.0022 ppm	-0.0004 ppm
Concentration per Run	-0.0024 ppm	-0.0019 ppm	-0.0013 ppm	-0.0093 ppm	-0.0004 ppm	-0.0004 ppm	-0.0036 ppm
Concentration RSD	19.8 %	1.1 %	14.1 %	17.0 %	214.8 %	66.6 %	73.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	0.0078 ppm	0.0023 ppm	0.0004 ppm	-0.0010 ppm	0.0008 ppm	-0.0016 ppm
Concentration per Run	-0.0014 ppm	0.0055 ppm	0.0020 ppm	0.0005 ppm	-0.0010 ppm	0.0021 ppm	-0.0014 ppm
Concentration per Run	0.0034 ppm	0.0085 ppm	0.0019 ppm	0.0003 ppm	-0.0011 ppm	0.0001 ppm	-0.0016 ppm
Concentration per Run	0.0054 ppm	0.0095 ppm	0.0031 ppm	0.0003 ppm	-0.0011 ppm	0.0002 ppm	-0.0017 ppm
Concentration RSD	139.9 %	26.1 %	27.4 %	21.0 %	5.3 %	141.5 %	8.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	99.9913 %	99.2435 %	94.3832 %	98.3168 %	100.7583 %	97.4106 %
Concentration per Run	0.0001 ppm	100.4385 %	99.0495 %	94.7846 %	99.1022 %	101.1352 %	97.5686 %
Concentration per Run	0.0003 ppm	99.5752 %	99.1525 %	94.5057 %	97.4132 %	101.1777 %	97.6995 %
Concentration per Run	0.0003 ppm	99.9602 %	99.5286 %	93.8742 %	98.4350 %	99.9621 %	96.9636 %
Concentration RSD	62.8 %	0.4 %	0.3 %	0.5 %	0.9 %	0.7 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2113296-4d2 WG2113296

Analysis started at: 9/11/2025 11:24:39 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 32

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0427 ppm	82.2938 ppm	0.1054 ppm	0.8560 ppm	2.5077 ppm	0.0467 ppm	31.3977 ppm
Concentration per Run	0.0430 ppm	82.1926 ppm	0.1042 ppm	0.8550 ppm	2.5060 ppm	0.0469 ppm	31.3668 ppm
Concentration per Run	0.0426 ppm	82.7049 ppm	0.1070 ppm	0.8560 ppm	2.5161 ppm	0.0467 ppm	31.6055 ppm
Concentration per Run	0.0426 ppm	81.9840 ppm	0.1050 ppm	0.8570 ppm	2.5010 ppm	0.0466 ppm	31.2208 ppm
Concentration RSD	0.5 %	0.5 %	1.4 %	0.1 %	0.3 %	0.3 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0461 ppm	0.4721 ppm	0.3965 ppm	0.3965 ppm	140.8285 ppm	40.4955 ppm	0.1213 ppm
Concentration per Run	0.0462 ppm	0.4701 ppm	0.4654 ppm	0.3973 ppm	141.0403 ppm	40.2634 ppm	0.1217 ppm
Concentration per Run	0.0460 ppm	0.4738 ppm	0.4686 ppm	0.3965 ppm	140.6450 ppm	41.0178 ppm	0.1213 ppm
Concentration per Run	0.0461 ppm	0.4722 ppm	0.4684 ppm	0.3959 ppm	140.8001 ppm	40.2052 ppm	0.1208 ppm
Concentration RSD	0.2 %	0.4 %	0.4 %	0.2 %	0.1 %	1.1 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	60.9121 ppm	3.7050 ppm	0.8612 ppm	26.8524 ppm	0.5797 ppm	0.8631 ppm	0.1804 ppm
Concentration per Run	61.1207 ppm	3.7055 ppm	0.8602 ppm	26.8769 ppm	0.5796 ppm	0.8647 ppm	0.1799 ppm
Concentration per Run	60.4303 ppm	3.7182 ppm	0.8616 ppm	26.9907 ppm	0.5802 ppm	0.8614 ppm	0.1805 ppm
Concentration per Run	61.1852 ppm	3.6914 ppm	0.8619 ppm	26.6895 ppm	0.5792 ppm	0.8633 ppm	0.1809 ppm
Concentration RSD	0.7 %	0.4 %	0.1 %	0.6 %	0.1 %	0.2 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1051 ppm	9.4540 ppm	0.8311 ppm	1.0011 ppm	6.9889 ppm	0.1010 ppm	0.7240 ppm
Concentration per Run	0.0989 ppm	9.3051 ppm	0.8332 ppm	1.0011 ppm	6.9990 ppm	0.1018 ppm	0.7249 ppm
Concentration per Run	0.1066 ppm	9.4396 ppm	0.8319 ppm	1.0049 ppm	6.9375 ppm	0.1016 ppm	0.7217 ppm
Concentration per Run	0.1097 ppm	9.6175 ppm	0.8281 ppm	0.9972 ppm	7.0301 ppm	0.0998 ppm	0.7256 ppm
Concentration RSD	5.3 %	1.7 %	0.3 %	0.4 %	0.7 %	1.1 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0574 ppm	101.2738 %	102.8813 %	94.0948 %	117.5817 %	117.2453 %
Concentration per Run	1.0560 ppm	101.0949 %	102.5875 %	94.0333 %	117.5102 %	117.5273 %
Concentration per Run	1.0590 ppm	101.7157 %	103.3428 %	93.9409 %	117.8937 %	117.0100 %
Concentration per Run	1.0570 ppm	101.0109 %	103.7135 %	94.3102 %	117.3411 %	117.1985 %
Concentration RSD	0.1 %	0.4 %	0.7 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-10d2 WG2113296

Analysis started at: 9/11/2025 11:26:44 AM

Comment <Comment>

Rack Number 1

Vial Numbers 28

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0018 ppm	184.4337 ppm	0.0371 ppm	0.0275 ppm	2.3640 ppm	0.0071 ppm	45.0553 ppm
Concentration per Run	0.0006 ppm	184.2070 ppm	0.0375 ppm	0.0277 ppm	2.3574 ppm	0.0070 ppm	45.0718 ppm
Concentration per Run	0.0026 ppm	184.8153 ppm	0.0358 ppm	0.0298 ppm	2.3728 ppm	0.0072 ppm	45.0524 ppm
Concentration per Run	0.0023 ppm	184.2788 ppm	0.0381 ppm	0.0251 ppm	2.3617 ppm	0.0072 ppm	45.0417 ppm
Concentration RSD	59.0 %	0.2 %	3.2 %	8.4 %	0.3 %	1.4 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.1496 ppm	0.8188 ppm	0.7057 ppm	361.6691 ppm	83.7179 ppm	0.3413 ppm
Concentration per Run	0.0007 ppm	0.1472 ppm	0.8181 ppm	0.7092 ppm	362.2977 ppm	83.1000 ppm	0.3441 ppm
Concentration per Run	0.0013 ppm	0.1512 ppm	0.8184 ppm	0.7064 ppm	361.4894 ppm	83.9863 ppm	0.3427 ppm
Concentration per Run	0.0009 ppm	0.1505 ppm	0.8199 ppm	0.7014 ppm	361.2201 ppm	84.0676 ppm	0.3372 ppm
Concentration RSD	30.1 %	1.4 %	0.1 %	0.6 %	0.2 %	0.6 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	157.6869 ppm	6.4044 ppm	0.0038 ppm	13.1408 ppm	0.3670 ppm	2.0535 ppm	-0.0015 ppm
Concentration per Run	158.6381 ppm	6.3910 ppm	0.0038 ppm	13.0256 ppm	0.3657 ppm	2.0497 ppm	0.0003 ppm
Concentration per Run	156.3685 ppm	6.4103 ppm	0.0034 ppm	13.1434 ppm	0.3692 ppm	2.0499 ppm	0.0016 ppm
Concentration per Run	158.0541 ppm	6.4120 ppm	0.0041 ppm	13.2535 ppm	0.3660 ppm	2.0608 ppm	-0.0065 ppm
Concentration RSD	0.7 %	0.2 %	9.3 %	0.9 %	0.5 %	0.3 %	281.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0087 ppm	10.6241 ppm	0.2781 ppm	0.3488 ppm	14.0971 ppm	0.0049 ppm	0.9015 ppm
Concentration per Run	0.0060 ppm	10.7582 ppm	0.2786 ppm	0.3483 ppm	14.1748 ppm	0.0042 ppm	0.9029 ppm
Concentration per Run	0.0098 ppm	10.4169 ppm	0.2785 ppm	0.3496 ppm	13.9980 ppm	0.0043 ppm	0.9010 ppm
Concentration per Run	0.0102 ppm	10.6971 ppm	0.2771 ppm	0.3484 ppm	14.1186 ppm	0.0062 ppm	0.9006 ppm
Concentration RSD	26.6 %	1.7 %	0.3 %	0.2 %	0.6 %	23.0 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.1853 ppm	107.8441 ppm	112.5283 ppm	97.8940 ppm	129.4868 ppm	141.0365 ppm	129.7313 ppm
Concentration per Run	1.1843 ppm	107.6727 ppm	113.3978 ppm	98.0257 ppm	129.9395 ppm	139.8573 ppm	129.8048 ppm
Concentration per Run	1.1861 ppm	107.7235 ppm	112.5425 ppm	97.9923 ppm	128.9552 ppm	140.7589 ppm	129.8831 ppm
Concentration per Run	1.1856 ppm	108.1362 ppm	111.6446 ppm	97.6640 ppm	129.5658 ppm	142.4933 ppm	129.5061 ppm
Concentration RSD	0.1 %	0.2 %	0.8 %	0.2 %	0.4 %	0.9 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-16d2 WG2113296

Analysis started at: 9/11/2025 11:28:49 AM

Comment <Comment>

Rack Number 1

Vial Numbers 29

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0036 ppm	85.8306 ppm	0.0688 ppm	0.0487 ppm	1.9442 ppm	0.0042 ppm	164.6910 ppm
Concentration per Run	0.0031 ppm	85.8304 ppm	0.0686 ppm	0.0483 ppm	1.9442 ppm	0.0043 ppm	164.6900 ppm
Concentration per Run	0.0039 ppm	85.6207 ppm	0.0693 ppm	0.0467 ppm	1.9397 ppm	0.0041 ppm	164.7167 ppm
Concentration per Run	0.0039 ppm	86.0407 ppm	0.0685 ppm	0.0512 ppm	1.9487 ppm	0.0043 ppm	164.6662 ppm
Concentration RSD	13.5 %	0.2 %	0.6 %	4.8 %	0.2 %	2.0 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0037 ppm	0.0706 ppm	0.2544 ppm	1.0260 ppm	191.5693 ppm	25.3101 ppm	0.1222 ppm
Concentration per Run	0.0037 ppm	0.0711 ppm	0.2544 ppm	1.0240 ppm	190.3941 ppm	25.2691 ppm	0.1246 ppm
Concentration per Run	0.0039 ppm	0.0696 ppm	0.2534 ppm	1.0183 ppm	192.7885 ppm	25.2262 ppm	0.1223 ppm
Concentration per Run	0.0037 ppm	0.0712 ppm	0.2554 ppm	1.0357 ppm	191.5253 ppm	25.4350 ppm	0.1195 ppm
Concentration RSD	2.7 %	1.2 %	0.4 %	0.9 %	0.6 %	0.4 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	59.2592 ppm	3.4906 ppm	0.0116 ppm	4.9117 ppm	0.1851 ppm	4.6917 ppm	0.0057 ppm
Concentration per Run	59.7276 ppm	3.4861 ppm	0.0115 ppm	4.9058 ppm	0.1848 ppm	4.6777 ppm	0.0070 ppm
Concentration per Run	58.2352 ppm	3.4880 ppm	0.0115 ppm	4.8862 ppm	0.1847 ppm	4.7083 ppm	0.0034 ppm
Concentration per Run	59.8148 ppm	3.4976 ppm	0.0117 ppm	4.9431 ppm	0.1857 ppm	4.6890 ppm	0.0066 ppm
Concentration RSD	1.5 %	0.2 %	0.8 %	0.6 %	0.3 %	0.3 %	34.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0119 ppm	12.1779 ppm	0.6190 ppm	0.5077 ppm	5.2425 ppm	0.0016 ppm	0.2899 ppm
Concentration per Run	0.0109 ppm	12.4563 ppm	0.6139 ppm	0.5071 ppm	5.2667 ppm	0.0014 ppm	0.2903 ppm
Concentration per Run	0.0106 ppm	12.0083 ppm	0.6220 ppm	0.5068 ppm	5.1582 ppm	0.0015 ppm	0.2884 ppm
Concentration per Run	0.0143 ppm	12.0691 ppm	0.6211 ppm	0.5091 ppm	5.3025 ppm	0.0020 ppm	0.2912 ppm
Concentration RSD	17.4 %	2.0 %	0.7 %	0.2 %	1.4 %	18.3 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.6991 ppm	100.0989 %	102.8892 %	92.2365 %	113.9574 %	120.7291 %	113.2733 %
Concentration per Run	2.6992 ppm	99.7269 %	104.0645 %	92.2803 %	113.4535 %	122.4653 %	112.7686 %
Concentration per Run	2.6790 ppm	100.4096 %	102.4431 %	92.1012 %	114.1574 %	118.4874 %	112.8929 %
Concentration per Run	2.7191 ppm	100.1603 %	102.1570 %	92.3280 %	114.2614 %	121.2346 %	114.1583 %
Concentration RSD	0.7 %	0.3 %	1.0 %	0.1 %	0.4 %	1.7 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-23d2 WG2113296

Analysis started at: 9/11/2025 11:30:55 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 30

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	49.2786 ppm	0.0202 ppm	0.0188 ppm	0.4937 ppm	0.0018 ppm	162.7862 ppm
Concentration per Run	0.0001 ppm	49.3155 ppm	0.0192 ppm	0.0186 ppm	0.4941 ppm	0.0017 ppm	163.0514 ppm
Concentration per Run	-0.0003 ppm	49.5046 ppm	0.0197 ppm	0.0174 ppm	0.4934 ppm	0.0018 ppm	162.8325 ppm
Concentration per Run	0.0009 ppm	49.0158 ppm	0.0215 ppm	0.0203 ppm	0.4937 ppm	0.0018 ppm	162.4746 ppm
Concentration RSD	257.2 %	0.5 %	5.9 %	7.7 %	0.1 %	2.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0404 ppm	0.1756 ppm	0.2332 ppm	99.3637 ppm	18.3293 ppm	0.0809 ppm
Concentration per Run	-0.0006 ppm	0.0403 ppm	0.1757 ppm	0.2336 ppm	99.6646 ppm	18.3181 ppm	0.0821 ppm
Concentration per Run	-0.0005 ppm	0.0408 ppm	0.1757 ppm	0.2323 ppm	99.5948 ppm	18.3019 ppm	0.0811 ppm
Concentration per Run	-0.0005 ppm	0.0402 ppm	0.1755 ppm	0.2337 ppm	98.8318 ppm	18.3679 ppm	0.0794 ppm
Concentration RSD	10.1 %	0.8 %	0.1 %	0.3 %	0.5 %	0.2 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	71.6470 ppm	1.9692 ppm	0.0026 ppm	8.7545 ppm	0.1157 ppm	0.5725 ppm	0.0076 ppm
Concentration per Run	71.5641 ppm	1.9733 ppm	0.0029 ppm	8.7276 ppm	0.1158 ppm	0.5702 ppm	0.0034 ppm
Concentration per Run	71.7283 ppm	1.9791 ppm	0.0021 ppm	8.7587 ppm	0.1154 ppm	0.5727 ppm	0.0114 ppm
Concentration per Run	71.6487 ppm	1.9551 ppm	0.0028 ppm	8.7773 ppm	0.1158 ppm	0.5747 ppm	0.0081 ppm
Concentration RSD	0.1 %	0.6 %	16.5 %	0.3 %	0.2 %	0.4 %	53.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0032 ppm	5.9232 ppm	0.0332 ppm	0.6453 ppm	4.1227 ppm	0.0012 ppm	0.1954 ppm
Concentration per Run	0.0039 ppm	5.8787 ppm	0.0334 ppm	0.6460 ppm	4.1068 ppm	0.0015 ppm	0.1950 ppm
Concentration per Run	0.0035 ppm	5.9197 ppm	0.0339 ppm	0.6461 ppm	4.1396 ppm	0.0025 ppm	0.1951 ppm
Concentration per Run	0.0022 ppm	5.9711 ppm	0.0322 ppm	0.6439 ppm	4.1219 ppm	-0.0005 ppm	0.1960 ppm
Concentration RSD	27.3 %	0.8 %	2.7 %	0.2 %	0.4 %	128.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6344 ppm	98.1023 %	100.6515 %	91.2470 %	103.7377 %	108.7708 %	102.5180 %
Concentration per Run	0.6327 ppm	97.9774 %	100.4049 %	91.4304 %	103.6222 %	107.6817 %	102.7030 %
Concentration per Run	0.6354 ppm	97.9714 %	100.9760 %	91.3725 %	103.5647 %	108.1407 %	102.3531 %
Concentration per Run	0.6351 ppm	98.3581 %	100.5737 %	90.9381 %	104.0261 %	110.4900 %	102.4978 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.3 %	0.2 %	1.4 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR Fe 400
Analysis started at: 9/11/2025 11:52:56 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 34

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0018 ppm	0.0005 ppm	0.0004 ppm	0.0011 ppm	-0.0001 ppm	0.0001 ppm	0.0045 ppm
Concentration per Run	0.0017 ppm	0.0079 ppm	0.0003 ppm	0.0020 ppm	-0.0001 ppm	0.0001 ppm	0.0035 ppm
Concentration per Run	0.0023 ppm	0.0004 ppm	0.0021 ppm	0.0010 ppm	-0.0002 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run	0.0015 ppm	-0.0067 ppm	-0.0013 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0088 ppm
Concentration RSD	24.2 %	1,367.8 %	466.8 %	73.4 %	112.1 %	52.1 %	88.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0015 ppm	0.0015 ppm	-0.0010 ppm	373.8358 ppm	-0.0061 ppm	0.0018 ppm
Concentration per Run	0.0003 ppm	0.0013 ppm	0.0013 ppm	-0.0012 ppm	371.2983 ppm	0.0079 ppm	0.0015 ppm
Concentration per Run	0.0004 ppm	0.0013 ppm	0.0006 ppm	-0.0011 ppm	371.3436 ppm	0.0041 ppm	0.0019 ppm
Concentration per Run	0.0005 ppm	0.0019 ppm	-0.0012 ppm	-0.0011 ppm	378.8657 ppm	-0.0301 ppm	0.0020 ppm
Concentration RSD	26.8 %	21.4 %	31.7 %	23.5 %	1.2 %	346.3 %	16.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0001 ppm	-0.0030 ppm	-0.0024 ppm	-0.0055 ppm	0.0001 ppm	-0.0007 ppm	-0.0011 ppm
Concentration per Run	-0.0018 ppm	-0.0030 ppm	-0.0029 ppm	-0.0056 ppm	0.0010 ppm	-0.0012 ppm	0.0008 ppm
Concentration per Run	0.0013 ppm	-0.0030 ppm	-0.0022 ppm	-0.0049 ppm	0.0003 ppm	-0.0003 ppm	-0.0013 ppm
Concentration per Run	0.0007 ppm	-0.0029 ppm	-0.0022 ppm	-0.0060 ppm	-0.0011 ppm	-0.0006 ppm	-0.0029 ppm
Concentration RSD	2,771.3 %	3.0 %	16.5 %	9.6 %	1,605.2 %	64.8 %	165.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0010 ppm	0.0077 ppm	0.0014 ppm	0.0004 ppm	-0.0013 ppm	0.0009 ppm	-0.0016 ppm
Concentration per Run	-0.0021 ppm	0.0083 ppm	-0.0001 ppm	0.0005 ppm	-0.0012 ppm	0.0006 ppm	-0.0016 ppm
Concentration per Run	-0.0004 ppm	0.0078 ppm	0.0015 ppm	0.0003 ppm	-0.0014 ppm	0.0007 ppm	-0.0013 ppm
Concentration per Run	-0.0003 ppm	0.0070 ppm	0.0027 ppm	0.0004 ppm	-0.0014 ppm	0.0016 ppm	-0.0018 ppm
Concentration RSD	105.0 %	8.7 %	99.5 %	16.8 %	9.4 %	58.2 %	16.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	99.4218 %	98.5421 %	92.2310 %	97.8705 %	99.7572 %	96.3977 %
Concentration per Run	0.0001 ppm	99.3056 %	98.4912 %	92.4239 %	97.7750 %	100.8041 %	96.4024 %
Concentration per Run	0.0002 ppm	100.1777 %	99.3823 %	92.2714 %	98.4106 %	99.9826 %	96.5366 %
Concentration per Run	0.0003 ppm	98.7820 %	97.7529 %	91.9976 %	97.4260 %	98.4850 %	96.2542 %
Concentration RSD	42.1 %	0.7 %	0.8 %	0.2 %	0.5 %	1.2 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2557068-54d2 WG2113296

Analysis started at: 9/11/2025 11:55:12 AM

Comment

Rack Number 1

Vial Numbers 31

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0108 ppm	87.6718 ppm	0.1430 ppm	0.0480 ppm	0.7831 ppm	0.0049 ppm	21.1055 ppm
Concentration per Run	0.0104 ppm	87.8681 ppm	0.1454 ppm	0.0468 ppm	0.7804 ppm	0.0049 ppm	20.9593 ppm
Concentration per Run	0.0112 ppm	87.6423 ppm	0.1412 ppm	0.0470 ppm	0.7826 ppm	0.0049 ppm	21.2235 ppm
Concentration per Run	0.0106 ppm	87.5049 ppm	0.1424 ppm	0.0501 ppm	0.7862 ppm	0.0050 ppm	21.1337 ppm
Concentration RSD	4.0 %	0.2 %	1.5 %	3.9 %	0.4 %	1.0 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0039 ppm	0.0791 ppm	0.3177 ppm	0.8880 ppm	177.7561 ppm	26.9503 ppm	0.2244 ppm
Concentration per Run	0.0038 ppm	0.0785 ppm	0.3176 ppm	0.8893 ppm	177.6487 ppm	26.7735 ppm	0.2239 ppm
Concentration per Run	0.0039 ppm	0.0802 ppm	0.3203 ppm	0.8918 ppm	177.8203 ppm	26.9610 ppm	0.2240 ppm
Concentration per Run	0.0041 ppm	0.0785 ppm	0.3153 ppm	0.8830 ppm	177.7994 ppm	27.1163 ppm	0.2252 ppm
Concentration RSD	3.4 %	1.2 %	0.8 %	0.5 %	0.1 %	0.6 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	41.5412 ppm	3.2839 ppm	0.0400 ppm	12.1323 ppm	0.2231 ppm	1.6917 ppm	0.0080 ppm
Concentration per Run	41.4845 ppm	3.2833 ppm	0.0397 ppm	11.9473 ppm	0.2235 ppm	1.6850 ppm	0.0075 ppm
Concentration per Run	41.6699 ppm	3.2829 ppm	0.0407 ppm	12.1902 ppm	0.2237 ppm	1.6947 ppm	0.0069 ppm
Concentration per Run	41.4693 ppm	3.2855 ppm	0.0395 ppm	12.2592 ppm	0.2221 ppm	1.6955 ppm	0.0097 ppm
Concentration RSD	0.3 %	0.0 %	1.6 %	1.4 %	0.4 %	0.3 %	18.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0101 ppm	10.2768 ppm	0.4077 ppm	0.1905 ppm	3.3497 ppm	0.0009 ppm	0.2380 ppm
Concentration per Run	0.0089 ppm	10.1593 ppm	0.4093 ppm	0.1909 ppm	3.3512 ppm	0.0002 ppm	0.2370 ppm
Concentration per Run	0.0093 ppm	10.2904 ppm	0.4076 ppm	0.1900 ppm	3.3635 ppm	0.0013 ppm	0.2385 ppm
Concentration per Run	0.0121 ppm	10.3806 ppm	0.4062 ppm	0.1906 ppm	3.3345 ppm	0.0011 ppm	0.2385 ppm
Concentration RSD	17.1 %	1.1 %	0.4 %	0.2 %	0.4 %	66.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6003 ppm	102.9888 %	104.4008 %	95.5935 %	118.3009 %	122.5103 %	117.4047 %
Concentration per Run	1.6009 ppm	102.5081 %	104.5193 %	96.0135 %	117.6991 %	122.2516 %	117.5608 %
Concentration per Run	1.6042 ppm	102.8154 %	104.2737 %	94.9725 %	118.3804 %	122.3999 %	116.8025 %
Concentration per Run	1.5958 ppm	103.6429 %	104.4095 %	95.7946 %	118.8231 %	122.8794 %	117.8507 %
Concentration RSD	0.3 %	0.6 %	0.1 %	0.6 %	0.5 %	0.3 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample:

Analysis started at: 9/11/2025 11:57:17 AM

Comment

Rack Number

Vial Numbers

0

<Comment>

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5028 ppm	0.4743 ppm	0.4870 ppm	0.4876 ppm	0.4873 ppm	0.5034 ppm	0.4932 ppm
Concentration per Run	0.5008 ppm	0.4783 ppm	0.4900 ppm	0.4846 ppm	0.4891 ppm	0.5061 ppm	0.4922 ppm
Concentration per Run	0.5022 ppm	0.4629 ppm	0.4863 ppm	0.4874 ppm	0.4833 ppm	0.4993 ppm	0.4950 ppm
Concentration per Run	0.5055 ppm	0.4815 ppm	0.4848 ppm	0.4908 ppm	0.4895 ppm	0.5048 ppm	0.4924 ppm
Recovery Percentage	100.568 %	94.851 %	97.408 %	97.520 %	97.458 %	100.686 %	98.639 %
Concentration RSD	0.5 %	2.1 %	0.5 %	0.6 %	0.7 %	0.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5159 ppm	0.5041 ppm	0.5068 ppm	0.5186 ppm	0.5002 ppm	5.0837 ppm	0.5018 ppm
Concentration per Run	0.5116 ppm	0.5013 ppm	0.5041 ppm	0.5175 ppm	0.5056 ppm	5.1056 ppm	0.5077 ppm
Concentration per Run	0.5158 ppm	0.5069 ppm	0.5091 ppm	0.5208 ppm	0.4962 ppm	5.0449 ppm	0.4945 ppm
Concentration per Run	0.5204 ppm	0.5041 ppm	0.5070 ppm	0.5174 ppm	0.4989 ppm	5.1005 ppm	0.5032 ppm
Recovery Percentage	103.183 %	100.817 %	101.352 %	103.718 %	100.048 %	101.673 %	100.358 %
Concentration RSD	0.9 %	0.6 %	0.5 %	0.4 %	1.0 %	0.7 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5230 ppm	0.5023 ppm	0.4892 ppm	10.1561 ppm	0.5105 ppm	0.5062 ppm	0.5154 ppm
Concentration per Run	0.5180 ppm	0.5052 ppm	0.4872 ppm	10.2012 ppm	0.5087 ppm	0.5052 ppm	0.5160 ppm
Concentration per Run	0.5235 ppm	0.4880 ppm	0.4905 ppm	10.1424 ppm	0.5115 ppm	0.5069 ppm	0.5130 ppm
Concentration per Run	0.5274 ppm	0.5010 ppm	0.4925 ppm	10.1246 ppm	0.5113 ppm	0.5063 ppm	0.5174 ppm
Recovery Percentage	104.595 %	100.453 %	97.841 %	101.561 %	102.099 %	101.232 %	103.089 %
Concentration RSD	0.9 %	0.5 %	0.6 %	0.4 %	0.3 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4864 ppm	5.4098 ppm	0.4980 ppm	0.4958 ppm	0.5100 ppm	0.5021 ppm	0.5111 ppm
Concentration per Run	0.4887 ppm	5.3609 ppm	0.4916 ppm	0.4988 ppm	0.5063 ppm	0.5043 ppm	0.5094 ppm
Concentration per Run	0.4865 ppm	5.4161 ppm	0.4977 ppm	0.4905 ppm	0.5088 ppm	0.5039 ppm	0.5113 ppm
Concentration per Run	0.4840 ppm	5.4524 ppm	0.5046 ppm	0.4980 ppm	0.5148 ppm	0.4980 ppm	0.5126 ppm
Recovery Percentage	97.280 %	103.044 %	99.591 %	99.158 %	101.992 %	100.413 %	102.226 %
Concentration RSD	0.5 %	0.9 %	1.3 %	0.9 %	0.9 %	0.7 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4989 ppm	100.2004 %	99.5858 %	98.3531 %	98.5906 %	99.3439 %	96.9768 %
Concentration per Run	0.4940 ppm	101.2346 %	99.2619 %	98.8921 %	99.6859 %	99.1990 %	97.1749 %
Concentration per Run	0.5001 ppm	100.0266 %	98.3831 %	98.3831 %	98.3365 %	99.4652 %	97.4047 %
Concentration per Run	0.5026 ppm	99.3401 %	99.6554 %	97.7841 %	97.7493 %	99.3674 %	96.3507 %
Recovery Percentage	99.778 %	1.0 %	0.3 %	0.6 %	1.0 %	0.1 %	0.6 %
Concentration RSD	0.9 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 11:59:22 AM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0029 ppm	0.0006 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0039 ppm
Concentration per Run	-0.0003 ppm	-0.0003 ppm	-0.0050 ppm	0.0010 ppm	-0.0003 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run	-0.0001 ppm	0.0036 ppm	0.0014 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	-0.0059 ppm
Concentration per Run	-0.0003 ppm	-0.0073 ppm	0.0009 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	-0.0032 ppm
Recovery Percentage	-3.700 %	-2.909 %	12.807 %	3.799 %	-1.149 %	0.250 %	-3.865 %
Concentration RSD	51.3 %	196.8 %	138.1 %	15.0 %	176.9 %	60.2 %	47.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0007 ppm	-0.0003 ppm	0.0000 ppm	0.0027 ppm	-0.0189 ppm	0.0006 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0004 ppm	0.0025 ppm	-0.0105 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0011 ppm	-0.0005 ppm	0.0000 ppm	0.0034 ppm	-0.0328 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0000 ppm	-0.0004 ppm	0.0022 ppm	-0.0133 ppm	0.0021 ppm
Recovery Percentage	1.361 %	3.345 %	-2.875 %	0.185 %	5.392 %	-0.755 %	11.583 %
Concentration RSD	94.2 %	74.8 %	98.9 %	1,975.3 %	24.8 %	64.5 %	224.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0012 ppm	0.0000 ppm	0.0000 ppm	-0.0107 ppm	-0.0007 ppm	0.0004 ppm	0.0015 ppm
Concentration per Run	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0116 ppm	-0.0013 ppm	0.0035 ppm	0.0035 ppm
Concentration per Run	-0.0015 ppm	0.0001 ppm	-0.0083 ppm	-0.0083 ppm	-0.0008 ppm	0.0028 ppm	0.0028 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	-0.0003 ppm	-0.0121 ppm	0.0000 ppm	0.0003 ppm	-0.0020 ppm
Recovery Percentage	-1.236 %	-0.064 %	-0.279 %	-0.533 %	-2.786 %	4.273 %	2.902 %
Concentration RSD	69.1 %	1,821.8 %	110.4 %	19.4 %	88.3 %	29.2 %	207.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	0.0039 ppm	0.0013 ppm	-0.0001 ppm	-0.0011 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0002 ppm	0.0043 ppm	0.0002 ppm	-0.0001 ppm	-0.0011 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0011 ppm	0.0022 ppm	0.0013 ppm	-0.0001 ppm	-0.0011 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0043 ppm	0.0051 ppm	0.0023 ppm	0.0000 ppm	-0.0012 ppm	0.0017 ppm	-0.0002 ppm
Recovery Percentage	18.605 %	0.771 %	2.554 %	-0.614 %	-11.397 %	5.235 %	-1.473 %
Concentration RSD	117.1 %	39.5 %	82.2 %	102.0 %	5.0 %	54.1 %	59.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	98.5510 %	97.1262 %	97.2333 %	99.3835 %	98.9139 %	97.5333 %
Concentration per Run	0.0000 ppm	98.8668 %	97.4293 %	97.2840 %	99.9089 %	98.9480 %	97.3267 %
Concentration per Run	0.0001 ppm	98.0635 %	96.7443 %	96.6728 %	99.4285 %	98.9472 %	97.1536 %
Concentration per Run	0.0002 ppm	98.7228 %	97.2050 %	97.7430 %	98.8131 %	98.8466 %	98.1195 %
Recovery Percentage	1.378 %						
Concentration RSD	119.9 %	0.4 %	0.4 %	0.6 %	0.6 %	0.1 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554192-01d20 WG2111349

Analysis started at: 9/11/2025 1:02:47 PM

Comment <Comment>

Rack Number 1

Vial Numbers 35

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	31.6447 ppm	0.0057 ppm	0.0340 ppm	0.3511 ppm	0.0038 ppm	263.8944 ppm
Concentration per Run	-0.0009 ppm	31.2968 ppm	0.0051 ppm	0.0345 ppm	0.3469 ppm	0.0038 ppm	262.5989 ppm
Concentration per Run	-0.0004 ppm	31.7966 ppm	0.0073 ppm	0.0335 ppm	0.3546 ppm	0.0039 ppm	264.1011 ppm
Concentration per Run	-0.0004 ppm	31.8407 ppm	0.0048 ppm	0.0341 ppm	0.3518 ppm	0.0039 ppm	264.9833 ppm
Concentration RSD	49.4 %	1.0 %	24.4 %	1.4 %	1.1 %	1.3 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0024 ppm	0.0023 ppm	0.1344 ppm	0.0252 ppm	21.4600 ppm	1.4387 ppm	0.0310 ppm
Concentration per Run	-0.0024 ppm	0.0018 ppm	0.1344 ppm	0.0251 ppm	21.3244 ppm	1.4160 ppm	0.0335 ppm
Concentration per Run	-0.0026 ppm	0.0026 ppm	0.1346 ppm	0.0251 ppm	21.5688 ppm	1.4491 ppm	0.0294 ppm
Concentration per Run	-0.0023 ppm	0.0024 ppm	0.1342 ppm	0.0253 ppm	21.4866 ppm	1.4509 ppm	0.0299 ppm
Concentration RSD	5.1 %	17.7 %	0.1 %	0.5 %	0.6 %	1.4 %	7.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.9768 ppm	5.1742 ppm	0.0014 ppm	0.7985 ppm	0.0168 ppm	0.0250 ppm	0.0008 ppm
Concentration per Run	10.9403 ppm	5.1485 ppm	0.0009 ppm	0.7964 ppm	0.0155 ppm	0.0251 ppm	-0.0010 ppm
Concentration per Run	10.9574 ppm	5.1943 ppm	0.0019 ppm	0.7977 ppm	0.0176 ppm	0.0256 ppm	0.0000 ppm
Concentration per Run	11.0327 ppm	5.1798 ppm	0.0013 ppm	0.8014 ppm	0.0171 ppm	0.0242 ppm	0.0033 ppm
Concentration RSD	0.4 %	0.5 %	36.7 %	0.3 %	6.5 %	3.0 %	283.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	5.2656 ppm	0.0023 ppm	0.4941 ppm	0.6060 ppm	-0.0004 ppm	0.0611 ppm
Concentration per Run	-0.0003 ppm	5.2757 ppm	0.0032 ppm	0.4912 ppm	0.6024 ppm	0.0001 ppm	0.0610 ppm
Concentration per Run	0.0027 ppm	5.2678 ppm	0.0013 ppm	0.4975 ppm	0.6036 ppm	-0.0016 ppm	0.0608 ppm
Concentration per Run	0.0065 ppm	5.2531 ppm	0.0024 ppm	0.4936 ppm	0.6121 ppm	0.0003 ppm	0.0617 ppm
Concentration RSD	114.8 %	0.2 %	40.4 %	0.6 %	0.9 %	270.3 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.9175 ppm	97.3681 %	99.7573 %	91.1372 %	99.3681 %	105.0034 %	99.3700 %
Concentration per Run	0.9173 ppm	96.8389 %	99.3852 %	90.6006 %	98.4771 %	104.4675 %	98.7088 %
Concentration per Run	0.9169 ppm	96.9711 %	100.0503 %	91.4182 %	98.9007 %	105.8914 %	99.9131 %
Concentration per Run	0.9184 ppm	98.2942 %	99.8364 %	91.3928 %	100.7266 %	104.6514 %	99.4882 %
Concentration RSD	0.1 %	0.8 %	0.3 %	0.5 %	1.2 %	0.7 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554192-06d8 WG2111349

Analysis started at: 9/11/2025 1:05:03 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 36

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	111.8849 ppm	0.0102 ppm	0.1335 ppm	0.9090 ppm	0.0139 ppm	520.1110 ppm
Concentration per Run	0.0000 ppm	111.9351 ppm	0.0095 ppm	0.1329 ppm	0.9065 ppm	0.0139 ppm	520.7560 ppm
Concentration per Run	0.0005 ppm	111.7252 ppm	0.0104 ppm	0.1309 ppm	0.9108 ppm	0.0138 ppm	518.6413 ppm
Concentration per Run	-0.0003 ppm	111.9944 ppm	0.0107 ppm	0.1366 ppm	0.9097 ppm	0.0140 ppm	520.9358 ppm
Concentration RSD	464.6 %	0.1 %	5.6 %	2.2 %	0.2 %	0.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0027 ppm	0.0042 ppm	0.1379 ppm	0.0693 ppm	66.1126 ppm	5.8993 ppm	0.0717 ppm
Concentration per Run	-0.0027 ppm	0.0042 ppm	0.1365 ppm	0.0690 ppm	66.4405 ppm	5.8385 ppm	0.0762 ppm
Concentration per Run	-0.0028 ppm	0.0041 ppm	0.1388 ppm	0.0699 ppm	66.3225 ppm	5.9314 ppm	0.0708 ppm
Concentration per Run	-0.0027 ppm	0.0043 ppm	0.1384 ppm	0.0689 ppm	65.5750 ppm	5.9279 ppm	0.0682 ppm
Concentration RSD	2.5 %	2.2 %	0.9 %	0.7 %	0.7 %	0.9 %	5.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	51.3051 ppm	12.4174 ppm	0.0061 ppm	2.8671 ppm	0.0365 ppm	0.2844 ppm	-0.0013 ppm
Concentration per Run	50.8750 ppm	12.4251 ppm	0.0059 ppm	2.8372 ppm	0.0359 ppm	0.2817 ppm	0.0022 ppm
Concentration per Run	51.2831 ppm	12.4129 ppm	0.0062 ppm	2.8717 ppm	0.0361 ppm	0.2834 ppm	-0.0026 ppm
Concentration per Run	51.7572 ppm	12.4143 ppm	0.0063 ppm	2.8925 ppm	0.0375 ppm	0.2881 ppm	-0.0036 ppm
Concentration RSD	0.9 %	0.1 %	3.3 %	1.0 %	2.4 %	1.2 %	232.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0055 ppm	2.2122 ppm	0.0088 ppm	1.1991 ppm	1.4591 ppm	-0.0031 ppm	0.0287 ppm
Concentration per Run	0.0062 ppm	2.2076 ppm	0.0085 ppm	1.1974 ppm	1.4489 ppm	-0.0029 ppm	0.0283 ppm
Concentration per Run	0.0042 ppm	2.2180 ppm	0.0091 ppm	1.2017 ppm	1.4580 ppm	-0.0040 ppm	0.0290 ppm
Concentration per Run	0.0061 ppm	2.2110 ppm	0.0087 ppm	1.1982 ppm	1.4704 ppm	-0.0024 ppm	0.0286 ppm
Concentration RSD	20.8 %	0.2 %	3.4 %	0.2 %	0.7 %	26.1 %	1.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	13.6789 ppm	97.4475 %	101.4550 %	89.0924 %	108.5748 %	116.2367 %	109.2821 %
Concentration per Run	13.5876 ppm	98.0747 %	101.3016 %	89.0692 %	109.1155 %	114.7333 %	108.9667 %
Concentration per Run	13.7274 ppm	96.8106 %	101.8098 %	89.2271 %	107.7765 %	117.0033 %	109.4201 %
Concentration per Run	13.7218 ppm	97.4571 %	101.2536 %	88.9808 %	108.8323 %	116.9735 %	109.4596 %
Concentration RSD	0.6 %	0.6 %	0.3 %	0.1 %	0.6 %	1.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-04d2 WG2111349

Analysis started at: 9/11/2025 1:07:08 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 37

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	117.9772 ppm	0.0170 ppm	0.0033 ppm	0.9328 ppm	0.0033 ppm	14.6253 ppm
Concentration per Run	0.0007 ppm	118.0800 ppm	0.0174 ppm	0.0042 ppm	0.9331 ppm	0.0034 ppm	14.6317 ppm
Concentration per Run	0.0002 ppm	117.6201 ppm	0.0177 ppm	0.0022 ppm	0.9316 ppm	0.0032 ppm	14.5673 ppm
Concentration per Run	0.0001 ppm	118.2315 ppm	0.0158 ppm	0.0035 ppm	0.9336 ppm	0.0033 ppm	14.6768 ppm
Concentration RSD	108.5 %	0.3 %	6.3 %	31.9 %	0.1 %	3.7 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0574 ppm	0.1787 ppm	0.1926 ppm	166.8834 ppm	21.8027 ppm	0.0610 ppm
Concentration per Run	0.0005 ppm	0.0568 ppm	0.1783 ppm	0.1918 ppm	166.2040 ppm	21.8629 ppm	0.0595 ppm
Concentration per Run	0.0006 ppm	0.0573 ppm	0.1793 ppm	0.1928 ppm	167.3272 ppm	21.7547 ppm	0.0608 ppm
Concentration per Run	0.0005 ppm	0.0581 ppm	0.1785 ppm	0.1932 ppm	167.1188 ppm	21.7906 ppm	0.0629 ppm
Concentration RSD	10.2 %	1.1 %	0.3 %	0.4 %	0.4 %	0.3 %	2.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	33.2262 ppm	3.1399 ppm	0.0016 ppm	0.7113 ppm	0.1327 ppm	0.0438 ppm	-0.0014 ppm
Concentration per Run	33.1898 ppm	3.1512 ppm	0.0013 ppm	0.7225 ppm	0.1322 ppm	0.0432 ppm	-0.0017 ppm
Concentration per Run	33.5392 ppm	3.1243 ppm	0.0018 ppm	0.7062 ppm	0.1329 ppm	0.0443 ppm	-0.0029 ppm
Concentration per Run	32.9496 ppm	3.1442 ppm	0.0017 ppm	0.7051 ppm	0.1330 ppm	0.0439 ppm	0.0003 ppm
Concentration RSD	0.9 %	0.4 %	18.0 %	1.4 %	0.3 %	1.2 %	114.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0009 ppm	11.2673 ppm	0.0108 ppm	0.0731 ppm	7.6739 ppm	0.0004 ppm	0.2684 ppm
Concentration per Run	-0.0051 ppm	11.2517 ppm	0.0081 ppm	0.0735 ppm	7.6835 ppm	0.0010 ppm	0.2680 ppm
Concentration per Run	0.0021 ppm	11.3128 ppm	0.0124 ppm	0.0730 ppm	7.7329 ppm	-0.0009 ppm	0.2690 ppm
Concentration per Run	0.0003 ppm	11.2375 ppm	0.0119 ppm	0.0728 ppm	7.6053 ppm	0.0012 ppm	0.2681 ppm
Concentration RSD	417.3 %	0.4 %	22.0 %	0.5 %	0.8 %	270.0 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3556 ppm	104.1231 %	106.1368 %	97.0051 %	127.0972 %	132.4037 %	127.5774 %
Concentration per Run	0.3555 ppm	103.9568 %	105.6917 %	97.3230 %	126.6538 %	134.7028 %	127.6849 %
Concentration per Run	0.3555 ppm	103.4785 %	106.1626 %	97.2457 %	126.8761 %	130.7515 %	128.2010 %
Concentration per Run	0.3559 ppm	104.9339 %	106.5562 %	96.4466 %	127.7618 %	131.7569 %	126.8462 %
Concentration RSD	0.1 %	0.7 %	0.4 %	0.5 %	0.5 %	1.6 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-0562 WG2111349

Analysis started at: 9/11/2025 1:09:13 PM

Comment <Comment>

Rack Number 1

Vial Numbers 38

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0009 ppm	159.3743 ppm	0.0280 ppm	0.0066 ppm	0.8423 ppm	0.0053 ppm	17.3735 ppm
Concentration per Run	0.0006 ppm	159.2076 ppm	0.0266 ppm	0.0083 ppm	0.8431 ppm	0.0053 ppm	17.3648 ppm
Concentration per Run	0.0011 ppm	159.2551 ppm	0.0301 ppm	0.0063 ppm	0.8426 ppm	0.0054 ppm	17.3983 ppm
Concentration per Run	0.0010 ppm	159.6603 ppm	0.0273 ppm	0.0053 ppm	0.8410 ppm	0.0053 ppm	17.3573 ppm
Concentration RSD	31.4 %	0.2 %	6.6 %	22.7 %	0.1 %	0.5 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0021 ppm	0.0747 ppm	0.0742 ppm	0.1471 ppm	205.3030 ppm	8.0284 ppm	0.1057 ppm
Concentration per Run	0.0023 ppm	0.0742 ppm	0.0742 ppm	0.1459 ppm	204.6301 ppm	8.0070 ppm	0.1065 ppm
Concentration per Run	0.0020 ppm	0.0744 ppm	0.0744 ppm	0.1477 ppm	205.6182 ppm	8.0471 ppm	0.1052 ppm
Concentration per Run	0.0021 ppm	0.0755 ppm	0.0755 ppm	0.1478 ppm	205.6608 ppm	8.0311 ppm	0.1054 ppm
Concentration RSD	8.0 %	0.9 %	0.5 %	0.7 %	0.3 %	0.3 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	37.2121 ppm	3.7280 ppm	0.0037 ppm	0.4895 ppm	0.1334 ppm	0.1770 ppm	0.0011 ppm
Concentration per Run	36.6596 ppm	3.7309 ppm	0.0035 ppm	0.4840 ppm	0.1316 ppm	0.1766 ppm	-0.0048 ppm
Concentration per Run	37.8946 ppm	3.7271 ppm	0.0038 ppm	0.4923 ppm	0.1343 ppm	0.1771 ppm	0.0063 ppm
Concentration per Run	37.2821 ppm	3.7258 ppm	0.0036 ppm	0.4921 ppm	0.1343 ppm	0.1772 ppm	0.0017 ppm
Concentration RSD	1.4 %	0.1 %	4.8 %	1.0 %	1.2 %	0.2 %	518.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	10.5382 ppm	0.0134 ppm	0.1776 ppm	7.3793 ppm	-0.0010 ppm	0.3089 ppm
Concentration per Run	0.0036 ppm	10.4628 ppm	0.0124 ppm	0.1774 ppm	7.2990 ppm	-0.0019 ppm	0.3068 ppm
Concentration per Run	0.0074 ppm	10.5873 ppm	0.0133 ppm	0.1778 ppm	7.4446 ppm	-0.0007 ppm	0.3106 ppm
Concentration per Run	0.0010 ppm	10.5644 ppm	0.0144 ppm	0.1775 ppm	7.3942 ppm	-0.0004 ppm	0.3093 ppm
Concentration RSD	79.9 %	0.6 %	7.6 %	0.1 %	1.0 %	83.1 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4925 ppm	102.7526 %	104.8604 %	95.6159 %	128.6147 %	134.5745 %	129.9321 %
Concentration per Run	0.4878 ppm	103.8826 %	104.8484 %	95.7370 %	129.8629 %	134.2861 %	130.4020 %
Concentration per Run	0.4941 ppm	101.5591 %	105.0503 %	95.3419 %	127.1209 %	133.8331 %	129.1626 %
Concentration per Run	0.4957 ppm	102.8161 %	104.6824 %	95.7689 %	128.8603 %	135.6043 %	130.2319 %
Concentration RSD	0.8 %	1.1 %	0.2 %	0.2 %	1.1 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-06d2 WG2111349

Analysis started at: 9/11/2025 1:11:18 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 39

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	153.0079 ppm	0.0205 ppm	0.0027 ppm	0.8535 ppm	0.0043 ppm	14.6177 ppm
Concentration per Run	0.0007 ppm	152.9430 ppm	0.0206 ppm	0.0024 ppm	0.8539 ppm	0.0042 ppm	14.6095 ppm
Concentration per Run	-0.0001 ppm	153.1162 ppm	0.0193 ppm	0.0023 ppm	0.8542 ppm	0.0043 ppm	14.6257 ppm
Concentration per Run	0.0002 ppm	152.9644 ppm	0.0216 ppm	0.0034 ppm	0.8526 ppm	0.0044 ppm	14.6178 ppm
Concentration RSD	172.0 %	0.1 %	5.8 %	23.1 %	0.1 %	1.7 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0015 ppm	0.1025 ppm	0.2156 ppm	0.1764 ppm	230.3947 ppm	24.3515 ppm	0.1294 ppm
Concentration per Run	0.0014 ppm	0.1028 ppm	0.2156 ppm	0.1766 ppm	231.3054 ppm	24.2916 ppm	0.1299 ppm
Concentration per Run	0.0014 ppm	0.1023 ppm	0.2157 ppm	0.1767 ppm	229.7687 ppm	24.3978 ppm	0.1288 ppm
Concentration per Run	0.0015 ppm	0.1023 ppm	0.2154 ppm	0.1761 ppm	230.1100 ppm	24.3652 ppm	0.1296 ppm
Concentration RSD	5.1 %	0.3 %	0.1 %	0.2 %	0.4 %	0.2 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	50.6481 ppm	5.6365 ppm	0.0015 ppm	0.5182 ppm	0.1586 ppm	0.0717 ppm	-0.0046 ppm
Concentration per Run	50.6948 ppm	5.6324 ppm	0.0021 ppm	0.5129 ppm	0.1596 ppm	0.0698 ppm	-0.0046 ppm
Concentration per Run	50.5876 ppm	5.6395 ppm	0.0012 ppm	0.5213 ppm	0.1577 ppm	0.0730 ppm	-0.0052 ppm
Concentration per Run	50.6619 ppm	5.6376 ppm	0.0011 ppm	0.5203 ppm	0.1585 ppm	0.0721 ppm	-0.0039 ppm
Concentration RSD	0.1 %	0.1 %	38.8 %	0.9 %	0.6 %	2.3 %	14.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	7.4031 ppm	0.0128 ppm	0.1030 ppm	8.4846 ppm	-0.0003 ppm	0.2998 ppm
Concentration per Run	0.0020 ppm	7.3870 ppm	0.0124 ppm	0.1032 ppm	8.4957 ppm	0.0002 ppm	0.2993 ppm
Concentration per Run	-0.0006 ppm	7.4161 ppm	0.0134 ppm	0.1030 ppm	8.4591 ppm	-0.0006 ppm	0.2994 ppm
Concentration per Run	0.0048 ppm	7.4062 ppm	0.0125 ppm	0.1030 ppm	8.4992 ppm	-0.0006 ppm	0.3006 ppm
Concentration RSD	128.9 %	0.2 %	4.3 %	0.1 %	0.3 %	139.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4630 ppm	104.2644 %	105.8101 %	96.1177 %	123.8870 %	129.8593 %	124.5118 %
Concentration per Run	0.4633 ppm	104.0241 %	106.9723 %	96.1572 %	123.4751 %	130.2101 %	124.5770 %
Concentration per Run	0.4640 ppm	103.9900 %	105.7259 %	96.8239 %	123.4197 %	130.6815 %	125.2148 %
Concentration per Run	0.4617 ppm	104.7791 %	104.7319 %	95.3719 %	124.7662 %	128.6864 %	123.7436 %
Concentration RSD	0.3 %	0.4 %	1.1 %	0.8 %	0.6 %	0.8 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-07d2 WG2111349

Analysis started at: 9/11/2025 1:13:22 PM

Comment <Comment>

Rack Number 1

Vial Numbers 40

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0011 ppm	150.2075 ppm	0.0288 ppm	0.0033 ppm	0.6119 ppm	0.0037 ppm	5.9817 ppm
Concentration per Run	0.0010 ppm	150.1630 ppm	0.0265 ppm	0.0010 ppm	0.6114 ppm	0.0038 ppm	5.9815 ppm
Concentration per Run	0.0010 ppm	150.2969 ppm	0.0262 ppm	0.0049 ppm	0.6134 ppm	0.0037 ppm	5.9934 ppm
Concentration per Run	0.0014 ppm	150.1625 ppm	0.0246 ppm	0.0040 ppm	0.6108 ppm	0.0036 ppm	5.9701 ppm
Concentration RSD	19.2 %	0.1 %	3.9 %	62.4 %	0.2 %	2.8 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0012 ppm	0.1007 ppm	0.2226 ppm	0.1739 ppm	229.6345 ppm	14.2097 ppm	0.1482 ppm
Concentration per Run	0.0011 ppm	0.0996 ppm	0.2220 ppm	0.1735 ppm	229.3455 ppm	14.2117 ppm	0.1474 ppm
Concentration per Run	0.0013 ppm	0.1015 ppm	0.2237 ppm	0.1740 ppm	228.9088 ppm	14.1740 ppm	0.1476 ppm
Concentration per Run	0.0012 ppm	0.1012 ppm	0.2221 ppm	0.1740 ppm	230.6490 ppm	14.2433 ppm	0.1497 ppm
Concentration RSD	7.5 %	1.0 %	0.4 %	0.2 %	0.4 %	0.2 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	48.1703 ppm	6.3754 ppm	0.0022 ppm	0.3911 ppm	0.1645 ppm	0.0932 ppm	-0.0022 ppm
Concentration per Run	48.2805 ppm	6.3796 ppm	0.0027 ppm	0.3881 ppm	0.1641 ppm	0.0923 ppm	-0.0011 ppm
Concentration per Run	47.8258 ppm	6.3770 ppm	0.0021 ppm	0.3889 ppm	0.1656 ppm	0.0937 ppm	-0.0021 ppm
Concentration per Run	48.4047 ppm	6.3695 ppm	0.0019 ppm	0.3963 ppm	0.1636 ppm	0.0935 ppm	-0.0033 ppm
Concentration RSD	0.6 %	0.1 %	17.7 %	1.1 %	0.6 %	0.8 %	50.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	7.6559 ppm	0.0109 ppm	0.0427 ppm	8.1633 ppm	0.0006 ppm	0.3317 ppm
Concentration per Run	-0.0003 ppm	7.6641 ppm	0.0110 ppm	0.0428 ppm	8.1841 ppm	-0.0006 ppm	0.3314 ppm
Concentration per Run	0.0002 ppm	7.6439 ppm	0.0098 ppm	0.0425 ppm	8.1008 ppm	0.0024 ppm	0.3314 ppm
Concentration per Run	0.0042 ppm	7.6597 ppm	0.0120 ppm	0.0426 ppm	8.2051 ppm	0.0001 ppm	0.3322 ppm
Concentration RSD	179.9 %	0.1 %	10.0 %	0.3 %	0.7 %	252.1 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4283 ppm	103.7005 %	105.2373 %	96.6793 %	113.8263 %	119.4513 %	115.3812 %
Concentration per Run	0.4267 ppm	103.9428 %	105.6084 %	96.7805 %	114.0495 %	121.8307 %	115.3973 %
Concentration per Run	0.4291 ppm	103.8433 %	104.9823 %	97.2328 %	113.7973 %	118.4295 %	116.0278 %
Concentration per Run	0.4292 ppm	103.3156 %	105.1212 %	96.0248 %	113.6320 %	118.0937 %	114.7187 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.6 %	0.2 %	1.7 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-0862 WG2111349

Analysis started at: 9/11/2025 1:15:28 PM

Comment <Comment>

Rack Number 1

Vial Numbers 41

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0014 ppm	141.9212 ppm	0.0291 ppm	0.0039 ppm	0.9216 ppm	0.0046 ppm	13.4406 ppm
Concentration per Run	0.0011 ppm	142.0700 ppm	0.0292 ppm	0.0028 ppm	0.9198 ppm	0.0045 ppm	13.4504 ppm
Concentration per Run	0.0010 ppm	141.9611 ppm	0.0301 ppm	0.0039 ppm	0.9268 ppm	0.0046 ppm	13.4302 ppm
Concentration per Run	0.0020 ppm	141.7325 ppm	0.0280 ppm	0.0049 ppm	0.9183 ppm	0.0046 ppm	13.4412 ppm
Concentration RSD	36.5 %	0.1 %	3.5 %	26.9 %	0.5 %	1.0 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0011 ppm	0.0800 ppm	0.2213 ppm	0.2536 ppm	239.0969 ppm	19.3963 ppm	0.1681 ppm
Concentration per Run	0.0010 ppm	0.0799 ppm	0.2207 ppm	0.2532 ppm	239.1665 ppm	19.3353 ppm	0.1701 ppm
Concentration per Run	0.0011 ppm	0.0806 ppm	0.2221 ppm	0.2536 ppm	238.6206 ppm	19.4620 ppm	0.1645 ppm
Concentration per Run	0.0011 ppm	0.0794 ppm	0.2211 ppm	0.2541 ppm	239.5037 ppm	19.3916 ppm	0.1699 ppm
Concentration RSD	4.0 %	0.8 %	0.3 %	0.2 %	0.2 %	0.3 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	44.6724 ppm	5.0143 ppm	0.0028 ppm	0.4563 ppm	0.1960 ppm	0.0902 ppm	-0.0019 ppm
Concentration per Run	44.7804 ppm	5.0178 ppm	0.0026 ppm	0.4576 ppm	0.1944 ppm	0.0902 ppm	-0.0017 ppm
Concentration per Run	44.7835 ppm	5.0187 ppm	0.0029 ppm	0.4577 ppm	0.1973 ppm	0.0896 ppm	-0.0037 ppm
Concentration per Run	44.4532 ppm	5.0065 ppm	0.0029 ppm	0.4536 ppm	0.1963 ppm	0.0908 ppm	-0.0003 ppm
Concentration RSD	0.4 %	0.1 %	5.5 %	0.5 %	0.7 %	0.7 %	90.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	7.5980 ppm	0.0098 ppm	0.0777 ppm	6.0643 ppm	-0.0012 ppm	0.2935 ppm
Concentration per Run	-0.0024 ppm	7.6021 ppm	0.0099 ppm	0.0778 ppm	6.0735 ppm	-0.0011 ppm	0.2936 ppm
Concentration per Run	0.0028 ppm	7.6151 ppm	0.0095 ppm	0.0778 ppm	6.0789 ppm	-0.0015 ppm	0.2936 ppm
Concentration per Run	0.0023 ppm	7.5768 ppm	0.0100 ppm	0.0774 ppm	6.0406 ppm	-0.0009 ppm	0.2933 ppm
Concentration RSD	317.4 %	0.3 %	2.9 %	0.3 %	0.3 %	24.2 %	0.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5015 ppm	104.1755 %	106.0334 %	96.6258 %	136.6422 %	141.7855 %	137.6490 %
Concentration per Run	0.5011 ppm	103.9885 %	106.5891 %	97.3109 %	136.3604 %	141.7572 %	138.4175 %
Concentration per Run	0.5034 ppm	104.0984 %	105.8672 %	95.7427 %	136.9090 %	143.1476 %	136.5629 %
Concentration per Run	0.5000 ppm	104.4396 %	105.6439 %	96.8237 %	136.6572 %	140.4518 %	137.9666 %
Concentration RSD	0.3 %	0.2 %	0.5 %	0.8 %	0.2 %	1.0 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-09d2 WG2111349

Analysis started at: 9/11/2025 1:17:32 PM

Comment <Comment>

Rack Number 1

Vial Numbers 42

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0006 ppm	151.3095 ppm	0.0219 ppm	0.0043 ppm	0.9181 ppm	0.0034 ppm	18.9090 ppm
Concentration per Run	0.0004 ppm	151.0810 ppm	0.0220 ppm	0.0046 ppm	0.9207 ppm	0.0034 ppm	18.9015 ppm
Concentration per Run	0.0006 ppm	151.4618 ppm	0.0225 ppm	0.0040 ppm	0.9213 ppm	0.0036 ppm	18.8842 ppm
Concentration per Run	0.0006 ppm	151.3858 ppm	0.0212 ppm	0.0044 ppm	0.9124 ppm	0.0033 ppm	18.9414 ppm
Concentration RSD	20.1 %	0.1 %	3.0 %	6.9 %	0.5 %	3.9 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.0929 ppm	0.3140 ppm	0.1441 ppm	231.6324 ppm	48.3993 ppm	0.1285 ppm
Concentration per Run	0.0010 ppm	0.0925 ppm	0.3120 ppm	0.1438 ppm	232.0891 ppm	48.3396 ppm	0.1294 ppm
Concentration per Run	0.0010 ppm	0.0916 ppm	0.3142 ppm	0.1441 ppm	230.5344 ppm	48.6667 ppm	0.1282 ppm
Concentration per Run	0.0011 ppm	0.0945 ppm	0.3159 ppm	0.1445 ppm	232.2737 ppm	48.1916 ppm	0.1279 ppm
Concentration RSD	4.8 %	1.6 %	0.6 %	0.3 %	0.4 %	0.5 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	61.7466 ppm	4.5940 ppm	0.0081 ppm	0.7902 ppm	0.1870 ppm	0.0814 ppm	-0.0036 ppm
Concentration per Run	61.6471 ppm	4.5901 ppm	0.0076 ppm	0.7877 ppm	0.1859 ppm	0.0815 ppm	-0.0009 ppm
Concentration per Run	61.8900 ppm	4.6093 ppm	0.0079 ppm	0.7981 ppm	0.1869 ppm	0.0810 ppm	-0.0041 ppm
Concentration per Run	61.7028 ppm	4.5827 ppm	0.0086 ppm	0.7849 ppm	0.1882 ppm	0.0817 ppm	-0.0060 ppm
Concentration RSD	0.2 %	0.3 %	6.2 %	0.9 %	0.6 %	0.5 %	70.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	10.6788 ppm	0.0190 ppm	0.0574 ppm	16.2234 ppm	0.0041 ppm	0.4351 ppm
Concentration per Run	0.0020 ppm	10.6739 ppm	0.0185 ppm	0.0577 ppm	16.2406 ppm	0.0042 ppm	0.4336 ppm
Concentration per Run	0.0007 ppm	10.6870 ppm	0.0210 ppm	0.0573 ppm	16.2786 ppm	0.0043 ppm	0.4360 ppm
Concentration per Run	0.0049 ppm	10.6756 ppm	0.0177 ppm	0.0571 ppm	16.1511 ppm	0.0039 ppm	0.4356 ppm
Concentration RSD	84.3 %	0.1 %	9.0 %	0.6 %	0.4 %	5.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5361 ppm	103.2193 %	105.6131 %	96.3234 %	123.9059 %	130.1408 %	124.8743 %
Concentration per Run	0.5348 ppm	103.2896 %	104.9533 %	96.7232 %	123.7669 %	129.3319 %	125.1335 %
Concentration per Run	0.5333 ppm	103.3741 %	105.3189 %	96.0293 %	124.2487 %	130.6985 %	124.2867 %
Concentration per Run	0.5404 ppm	102.9941 %	106.5669 %	96.2176 %	123.7020 %	130.3921 %	125.2028 %
Concentration RSD	0.7 %	0.2 %	0.8 %	0.4 %	0.2 %	0.6 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554307-10d2 WG2111349

Analysis started at: 9/11/2025 1:19:37 PM

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Rack Number 1

Vial Numbers 43

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	119.3828 ppm	0.0306 ppm	0.0069 ppm	0.8230 ppm	0.0044 ppm	25.9396 ppm
Concentration per Run	-0.0003 ppm	119.0464 ppm	0.0316 ppm	0.0072 ppm	0.8193 ppm	0.0044 ppm	25.8565 ppm
Concentration per Run	0.0005 ppm	119.6398 ppm	0.0308 ppm	0.0058 ppm	0.8248 ppm	0.0044 ppm	25.9999 ppm
Concentration per Run	0.0002 ppm	119.4621 ppm	0.0294 ppm	0.0076 ppm	0.8248 ppm	0.0043 ppm	25.9625 ppm
Concentration RSD	295.5 %	0.3 %	3.6 %	13.3 %	0.4 %	1.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0014 ppm	0.1263 ppm	0.2543 ppm	0.2288 ppm	214.0549 ppm	14.2524 ppm	0.1200 ppm
Concentration per Run	0.0017 ppm	0.1263 ppm	0.2536 ppm	0.2286 ppm	213.2874 ppm	14.2406 ppm	0.1180 ppm
Concentration per Run	0.0013 ppm	0.1256 ppm	0.2543 ppm	0.2293 ppm	214.2040 ppm	14.1938 ppm	0.1194 ppm
Concentration per Run	0.0013 ppm	0.1271 ppm	0.2552 ppm	0.2286 ppm	214.6733 ppm	14.3227 ppm	0.1228 ppm
Concentration RSD	14.9 %	0.6 %	0.3 %	0.2 %	0.3 %	0.5 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	50.6839 ppm	3.9808 ppm	0.0073 ppm	0.9368 ppm	0.1671 ppm	0.0983 ppm	-0.0020 ppm
Concentration per Run	50.4640 ppm	3.9671 ppm	0.0080 ppm	0.9357 ppm	0.1683 ppm	0.0999 ppm	-0.0002 ppm
Concentration per Run	50.8346 ppm	3.9885 ppm	0.0072 ppm	0.9349 ppm	0.1670 ppm	0.0971 ppm	-0.0036 ppm
Concentration per Run	50.7531 ppm	3.9868 ppm	0.0066 ppm	0.9397 ppm	0.1660 ppm	0.0978 ppm	-0.0023 ppm
Concentration RSD	0.4 %	0.3 %	9.5 %	0.3 %	0.7 %	1.5 %	84.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	12.7578 ppm	0.0117 ppm	0.0779 ppm	7.7051 ppm	-0.0015 ppm	0.3711 ppm
Concentration per Run	-0.0041 ppm	12.7476 ppm	0.0111 ppm	0.0780 ppm	7.6525 ppm	-0.0030 ppm	0.3703 ppm
Concentration per Run	0.0065 ppm	12.7951 ppm	0.0120 ppm	0.0779 ppm	7.7279 ppm	0.0000 ppm	0.3710 ppm
Concentration per Run	0.0036 ppm	12.7307 ppm	0.0120 ppm	0.0779 ppm	7.7349 ppm	-0.0015 ppm	0.3720 ppm
Concentration RSD	277.4 %	0.3 %	4.4 %	0.1 %	0.6 %	99.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4272 ppm	102.3108 %	103.4530 %	94.6656 %	127.5663 %	133.1280 %	127.9284 %
Concentration per Run	0.4269 ppm	102.3964 %	102.9416 %	94.6346 %	127.4281 %	133.0795 %	128.1394 %
Concentration per Run	0.4272 ppm	102.3135 %	104.1307 %	94.6033 %	127.9206 %	133.3780 %	127.7209 %
Concentration per Run	0.4276 ppm	102.2224 %	103.2867 %	94.7590 %	127.3503 %	132.9265 %	127.9247 %
Concentration RSD	0.1 %	0.1 %	0.6 %	0.1 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555532-02d2 WG2111349

Analysis started at: 9/11/2025 1:21:42 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 44

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	58.3674 ppm	0.0143 ppm	0.0137 ppm	1.7549 ppm	0.0022 ppm	75.5185 ppm
Concentration per Run	0.0003 ppm	58.2786 ppm	0.0143 ppm	0.0139 ppm	1.7659 ppm	0.0022 ppm	75.3243 ppm
Concentration per Run	0.0000 ppm	58.6611 ppm	0.0142 ppm	0.0121 ppm	1.7614 ppm	0.0023 ppm	75.8278 ppm
Concentration per Run	0.0000 ppm	58.1626 ppm	0.0143 ppm	0.0151 ppm	1.7375 ppm	0.0022 ppm	75.4034 ppm
Concentration RSD	181.7 %	0.4 %	0.4 %	10.7 %	0.9 %	1.9 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0478 ppm	0.0478 ppm	0.1687 ppm	105.2816 ppm	10.2055 ppm	0.0785 ppm
Concentration per Run	0.0009 ppm	0.0478 ppm	0.1306 ppm	0.1683 ppm	105.3534 ppm	10.2324 ppm	0.0786 ppm
Concentration per Run	0.0008 ppm	0.0475 ppm	0.1300 ppm	0.1684 ppm	105.6237 ppm	10.2017 ppm	0.0791 ppm
Concentration per Run	0.0008 ppm	0.0482 ppm	0.1314 ppm	0.1692 ppm	104.8676 ppm	10.1823 ppm	0.0788 ppm
Concentration RSD	3.4 %	0.7 %	0.6 %	0.3 %	0.4 %	0.2 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	41.3807 ppm	3.3647 ppm	0.0009 ppm	1.4496 ppm	0.1090 ppm	0.1716 ppm	0.0016 ppm
Concentration per Run	41.6418 ppm	3.3657 ppm	0.0011 ppm	1.4499 ppm	0.1093 ppm	0.1720 ppm	0.0016 ppm
Concentration per Run	41.4047 ppm	3.3780 ppm	0.0003 ppm	1.4824 ppm	0.1087 ppm	0.1698 ppm	0.0010 ppm
Concentration per Run	41.0956 ppm	3.3505 ppm	0.0014 ppm	1.4363 ppm	0.1091 ppm	0.1729 ppm	0.0037 ppm
Concentration RSD	0.7 %	0.4 %	61.5 %	0.9 %	0.3 %	0.9 %	117.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	8.3047 ppm	0.0126 ppm	0.3714 ppm	4.4046 ppm	0.0007 ppm	0.1613 ppm
Concentration per Run	0.0014 ppm	8.3216 ppm	0.0129 ppm	0.3745 ppm	4.4431 ppm	-0.0004 ppm	0.1617 ppm
Concentration per Run	0.0051 ppm	8.3149 ppm	0.0129 ppm	0.3714 ppm	4.4047 ppm	0.0016 ppm	0.1614 ppm
Concentration per Run	0.0039 ppm	8.2776 ppm	0.0120 ppm	0.3684 ppm	4.3661 ppm	0.0009 ppm	0.1607 ppm
Concentration RSD	54.2 %	0.3 %	4.3 %	0.8 %	0.9 %	142.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.8539 ppm	99.0692 %	100.8212 %	93.5009 %	107.3003 %	110.7214 %	107.5529 %
Concentration per Run	0.8524 ppm	99.4103 %	100.8195 %	93.2874 %	108.0822 %	111.1400 %	107.1670 %
Concentration per Run	0.8524 ppm	99.5239 %	100.5926 %	93.2385 %	107.4954 %	111.2928 %	107.3453 %
Concentration per Run	0.8570 ppm	98.2736 %	101.0514 %	93.9767 %	106.3232 %	109.7313 %	108.1465 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.4 %	0.8 %	0.8 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 1:23:47 PM

Analysis started at:

Comment: <Comment>

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5040 ppm	0.4887 ppm	0.4842 ppm	0.4848 ppm	0.4937 ppm	0.5081 ppm	0.4952 ppm
Concentration per Run	0.5045 ppm	0.4815 ppm	0.4847 ppm	0.4858 ppm	0.4949 ppm	0.5108 ppm	0.4965 ppm
Concentration per Run	0.5039 ppm	0.4922 ppm	0.4831 ppm	0.4833 ppm	0.4926 ppm	0.5086 ppm	0.4947 ppm
Concentration per Run	0.5035 ppm	0.4923 ppm	0.4847 ppm	0.4853 ppm	0.4935 ppm	0.5049 ppm	0.4945 ppm
Recovery Percentage	100.794 %	97.734 %	96.836 %	96.960 %	98.730 %	101.622 %	99.048 %
Concentration RSD	0.1 %	1.3 %	0.2 %	0.3 %	0.2 %	0.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5129 ppm	0.5069 ppm	0.5096 ppm	0.5205 ppm	0.5039 ppm	5.1332 ppm	0.5162 ppm
Concentration per Run	0.5140 ppm	0.5062 ppm	0.5108 ppm	0.5226 ppm	0.5071 ppm	5.1406 ppm	0.5249 ppm
Concentration per Run	0.5115 ppm	0.5089 ppm	0.5084 ppm	0.5185 ppm	0.5062 ppm	5.1405 ppm	0.5137 ppm
Concentration per Run	0.5132 ppm	0.5085 ppm	0.5114 ppm	0.5203 ppm	0.4984 ppm	5.1186 ppm	0.5102 ppm
Recovery Percentage	102.578 %	101.374 %	101.911 %	104.094 %	100.782 %	102.665 %	103.248 %
Concentration RSD	0.2 %	0.3 %	0.5 %	0.4 %	0.9 %	0.2 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5185 ppm	0.5071 ppm	0.4861 ppm	10.0886 ppm	0.5159 ppm	0.5055 ppm	0.5130 ppm
Concentration per Run	0.5204 ppm	0.5074 ppm	0.4876 ppm	10.0898 ppm	0.5181 ppm	0.5070 ppm	0.5169 ppm
Concentration per Run	0.5199 ppm	0.5083 ppm	0.4855 ppm	10.0246 ppm	0.5146 ppm	0.5026 ppm	0.5120 ppm
Concentration per Run	0.5152 ppm	0.5055 ppm	0.4852 ppm	10.0913 ppm	0.5150 ppm	0.5070 ppm	0.5101 ppm
Recovery Percentage	103.700 %	101.411 %	97.225 %	100.686 %	103.178 %	101.107 %	102.602 %
Concentration RSD	0.6 %	0.3 %	0.3 %	0.4 %	0.4 %	0.5 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4800 ppm	5.4189 ppm	0.4963 ppm	0.5051 ppm	0.5112 ppm	0.4960 ppm	0.5129 ppm
Concentration per Run	0.4772 ppm	5.4253 ppm	0.4972 ppm	0.5074 ppm	0.5111 ppm	0.4952 ppm	0.5130 ppm
Concentration per Run	0.4841 ppm	5.4137 ppm	0.4965 ppm	0.5039 ppm	0.5107 ppm	0.4952 ppm	0.5121 ppm
Concentration per Run	0.4786 ppm	5.4176 ppm	0.4952 ppm	0.5039 ppm	0.5117 ppm	0.4977 ppm	0.5137 ppm
Recovery Percentage	95.996 %	103.217 %	99.262 %	101.018 %	102.234 %	99.206 %	102.588 %
Concentration RSD	0.8 %	0.1 %	0.2 %	0.4 %	0.1 %	0.3 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4994 ppm	99.0983 %	97.8187 %	97.8187 %	97.3546 %	97.1094 %	96.9679 %
Concentration per Run	0.5000 ppm	99.2792 %	97.7866 %	97.5588 %	98.1357 %	97.8794 %	96.4192 %
Concentration per Run	0.4978 ppm	99.2722 %	97.7748 %	98.3348 %	97.2934 %	97.5556 %	97.5556 %
Concentration per Run	0.5003 ppm	98.7436 %	98.4652 %	97.5626 %	96.6346 %	96.9868 %	96.9290 %
Recovery Percentage	99.875 %						
Concentration RSD	0.3 %	0.3 %	0.4 %	0.5 %	0.8 %	0.7 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 1:25:52 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0078 ppm	0.0009 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run	-0.0003 ppm	-0.0134 ppm	0.0004 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	-0.0030 ppm
Concentration per Run	-0.0006 ppm	-0.0092 ppm	0.0025 ppm	0.0015 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	-0.0004 ppm	-0.0007 ppm	-0.0003 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0030 ppm
Recovery Percentage	-6.095 %	-7.753 %	17.616 %	3.981 %	-0.809 %	0.524 %	-2.520 %
Concentration RSD	29.2 %	83.8 %	167.2 %	26.8 %	59.7 %	23.7 %	34.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0002 ppm	0.0030 ppm	-0.0330 ppm	0.0008 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0037 ppm	-0.0114 ppm	0.0034 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	-0.0003 ppm	0.0000 ppm	0.0015 ppm	-0.0484 ppm	-0.0014 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0039 ppm	-0.0392 ppm	0.0005 ppm
Recovery Percentage	0.386 %	1.975 %	-1.731 %	1.942 %	6.017 %	-1.320 %	15.918 %
Concentration RSD	583.3 %	76.2 %	57.4 %	153.8 %	43.6 %	58.3 %	303.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0027 ppm	-0.0002 ppm	0.0001 ppm	-0.0103 ppm	-0.0003 ppm	-0.0002 ppm	0.0018 ppm
Concentration per Run	-0.0040 ppm	-0.0001 ppm	0.0005 ppm	-0.0091 ppm	0.0004 ppm	0.0004 ppm	0.0042 ppm
Concentration per Run	-0.0006 ppm	-0.0003 ppm	-0.0001 ppm	-0.0075 ppm	-0.0009 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run	-0.0036 ppm	-0.0002 ppm	0.0000 ppm	-0.0143 ppm	-0.0003 ppm	-0.0009 ppm	-0.0016 ppm
Recovery Percentage	-2.738 %	-2.050 %	0.281 %	-0.515 %	-1.034 %	-1.728 %	3.580 %
Concentration RSD	67.1 %	55.7 %	234.0 %	34.2 %	260.3 %	374.4 %	169.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0006 ppm	0.0022 ppm	0.0016 ppm	0.0000 ppm	-0.0007 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0006 ppm	0.0036 ppm	0.0011 ppm	-0.0001 ppm	-0.0008 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run	-0.0024 ppm	0.0009 ppm	0.0010 ppm	0.0000 ppm	-0.0005 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0036 ppm	0.0020 ppm	0.0028 ppm	0.0001 ppm	-0.0008 ppm	0.0019 ppm	-0.0003 ppm
Recovery Percentage	5.932 %	0.433 %	3.273 %	0.079 %	-7.227 %	4.296 %	-2.256 %
Concentration RSD	501.0 %	61.9 %	63.9 %	1501.7 %	24.1 %	157.6 %	43.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.9282 %	96.5700 %	97.3078 %	98.0669 %	98.2248 %	97.3726 %
Concentration per Run	0.0004 ppm	97.7811 %	96.1016 %	97.0637 %	97.8717 %	98.6977 %	97.2745 %
Concentration per Run	0.0002 ppm	98.1504 %	96.3495 %	97.2979 %	98.0695 %	97.7053 %	97.1032 %
Concentration per Run	0.0001 ppm	97.8532 %	97.2590 %	97.5619 %	98.2594 %	97.2713 %	97.7402 %
Recovery Percentage	4.540 %						
Concentration RSD	68.5 %	0.2 %	0.6 %	0.3 %	0.2 %	0.8 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LDR Ca 700
Analysis started at: 9/11/2025 1:46:13 PM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 46

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0013 ppm	-0.0063 ppm	0.0009 ppm	0.0005 ppm	0.0015 ppm	0.0000 ppm	692.5777 ppm
Concentration per Run	-0.0011 ppm	-0.0083 ppm	0.0005 ppm	0.0011 ppm	0.0015 ppm	0.0000 ppm	693.2732 ppm
Concentration per Run	-0.0016 ppm	-0.0038 ppm	0.0016 ppm	-0.0001 ppm	0.0015 ppm	0.0000 ppm	692.1403 ppm
Concentration per Run	-0.0012 ppm	-0.0068 ppm	0.0005 ppm	0.0004 ppm	0.0015 ppm	0.0000 ppm	692.3196 ppm
Concentration RSD	19.8 %	36.5 %	69.3 %	129.7 %	2.2 %	72.0 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0043 ppm	-0.0338 ppm	0.0083 ppm
Concentration per Run	0.0003 ppm	-0.0002 ppm	0.0000 ppm	0.0010 ppm	0.0041 ppm	-0.0380 ppm	0.0106 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	0.0005 ppm	0.0005 ppm	0.0045 ppm	-0.0499 ppm	0.0077 ppm
Concentration per Run	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0042 ppm	-0.0134 ppm	0.0067 ppm
Concentration RSD	47.6 %	108.2 %	2.416.1 %	34.2 %	5.9 %	55.1 %	24.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0014 ppm	0.0001 ppm	0.0002 ppm	-0.0024 ppm	-0.0002 ppm	0.0008 ppm	0.0026 ppm
Concentration per Run	0.0004 ppm	0.0001 ppm	0.0002 ppm	0.0012 ppm	-0.0003 ppm	0.0011 ppm	0.0034 ppm
Concentration per Run	0.0022 ppm	0.0003 ppm	0.0004 ppm	-0.0065 ppm	0.0003 ppm	-0.0001 ppm	0.0032 ppm
Concentration per Run	0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0019 ppm	-0.0005 ppm	0.0015 ppm	0.0013 ppm
Concentration RSD	64.1 %	122.8 %	108.3 %	161.0 %	255.4 %	96.9 %	43.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	0.0100 ppm	-0.0002 ppm	-0.0036 ppm	0.0007 ppm	0.0007 ppm	0.0005 ppm
Concentration per Run	0.0024 ppm	0.0086 ppm	-0.0006 ppm	-0.0036 ppm	0.0009 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run	-0.0005 ppm	0.0107 ppm	-0.0004 ppm	-0.0036 ppm	0.0006 ppm	0.0015 ppm	0.0004 ppm
Concentration per Run	-0.0014 ppm	0.0107 ppm	0.0004 ppm	-0.0035 ppm	0.0007 ppm	-0.0002 ppm	0.0006 ppm
Concentration RSD	1,271.9 %	12.3 %	231.8 %	1.8 %	21.4 %	118.1 %	18.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0012 ppm	91.4228 %	92.0721 %	83.9654 %	90.2042 %	92.9794 %	89.1018 %
Concentration per Run	0.0013 ppm	91.6087 %	92.6620 %	84.3154 %	90.4835 %	93.1765 %	89.5555 %
Concentration per Run	0.0013 ppm	91.4312 %	92.0499 %	83.3470 %	90.1635 %	92.8481 %	88.4966 %
Concentration per Run	0.0010 ppm	91.2284 %	91.5045 %	84.2337 %	89.9655 %	92.9138 %	89.2532 %
Concentration RSD	12.6 %	0.2 %	0.6 %	0.6 %	0.3 %	0.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555707-01d2 WG2111349

Analysis started at: 9/11/2025 1:48:24 PM

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Rack Number 1

Vial Numbers 45

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0022 ppm	17.8418 ppm	0.0652 ppm	0.0267 ppm	0.9762 ppm	0.0018 ppm	20.2396 ppm
Concentration per Run	0.0020 ppm	17.8520 ppm	0.0648 ppm	0.0276 ppm	0.9746 ppm	0.0017 ppm	20.3274 ppm
Concentration per Run	0.0025 ppm	17.8579 ppm	0.0662 ppm	0.0265 ppm	0.9769 ppm	0.0018 ppm	20.2081 ppm
Concentration per Run	0.0023 ppm	17.8153 ppm	0.0645 ppm	0.0260 ppm	0.9770 ppm	0.0018 ppm	20.1833 ppm
Concentration RSD	11.5 %	0.1 %	1.4 %	3.0 %	0.1 %	1.3 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0149 ppm	0.0247 ppm	0.0487 ppm	0.7639 ppm	118.6866 ppm	3.1099 ppm	0.0336 ppm
Concentration per Run	0.0150 ppm	0.0244 ppm	0.0485 ppm	0.7649 ppm	118.8357 ppm	3.1174 ppm	0.0336 ppm
Concentration per Run	0.0151 ppm	0.0247 ppm	0.0486 ppm	0.7601 ppm	119.0057 ppm	3.0989 ppm	0.0327 ppm
Concentration per Run	0.0147 ppm	0.0251 ppm	0.0489 ppm	0.7666 ppm	118.2184 ppm	3.1133 ppm	0.0344 ppm
Concentration RSD	1.5 %	1.4 %	0.3 %	0.4 %	0.3 %	0.3 %	2.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.5587 ppm	1.0416 ppm	0.0171 ppm	6.8681 ppm	0.5344 ppm	4.0131 ppm	0.0307 ppm
Concentration per Run	1.5623 ppm	1.0409 ppm	0.0165 ppm	6.8583 ppm	0.5331 ppm	4.0011 ppm	0.0307 ppm
Concentration per Run	1.5424 ppm	1.0416 ppm	0.0176 ppm	6.8584 ppm	0.5337 ppm	4.0193 ppm	0.0290 ppm
Concentration per Run	1.5715 ppm	1.0424 ppm	0.0173 ppm	6.8876 ppm	0.5363 ppm	4.0190 ppm	0.0324 ppm
Concentration RSD	1.0 %	0.1 %	3.3 %	0.2 %	0.3 %	0.3 %	5.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0180 ppm	4.6639 ppm	0.1757 ppm	0.2147 ppm	0.2853 ppm	0.0012 ppm	0.1286 ppm
Concentration per Run	0.0182 ppm	4.6634 ppm	0.1773 ppm	0.2143 ppm	0.2855 ppm	0.0002 ppm	0.1282 ppm
Concentration per Run	0.0190 ppm	4.6694 ppm	0.1753 ppm	0.2146 ppm	0.2824 ppm	0.0033 ppm	0.1283 ppm
Concentration per Run	0.0169 ppm	4.6590 ppm	0.1745 ppm	0.2151 ppm	0.2880 ppm	0.0001 ppm	0.1291 ppm
Concentration RSD	5.7 %	0.1 %	0.8 %	0.2 %	1.0 %	153.0 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	12.4557 ppm	100.3456 %	100.3456 %	94.9650 %	101.9074 %	103.0331 %	101.8581 %
Concentration per Run	12.4419 ppm	100.3927 %	100.3927 %	95.4201 %	101.8804 %	102.7505 %	102.3546 %
Concentration per Run	12.4409 ppm	100.6672 %	100.6672 %	94.4030 %	102.0002 %	102.7717 %	101.5185 %
Concentration per Run	12.4843 ppm	99.9769 %	99.9769 %	94.6883 %	101.8417 %	103.5771 %	101.7012 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.8 %	0.1 %	0.5 %	0.4 %

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9/12/2025 5:48:19 AM



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Sample: 9/11/2025 1:58:38 PM

Analysis started at:

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Rack Number

Vial Numbers

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3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5048 ppm	0.4813 ppm	0.4839 ppm	0.4862 ppm	0.4933 ppm	0.5095 ppm	0.4953 ppm
Concentration per Run	0.5054 ppm	0.4884 ppm	0.4878 ppm	0.4869 ppm	0.4919 ppm	0.5086 ppm	0.4960 ppm
Concentration per Run	0.5058 ppm	0.4735 ppm	0.4847 ppm	0.4871 ppm	0.4937 ppm	0.5096 ppm	0.4966 ppm
Concentration per Run	0.5031 ppm	0.4819 ppm	0.4791 ppm	0.4847 ppm	0.4942 ppm	0.5102 ppm	0.4934 ppm
Recovery Percentage	100.954 %	96.256 %	96.775 %	97.246 %	98.652 %	101.890 %	99.067 %
Concentration RSD	0.3 %	1.5 %	0.9 %	0.3 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5138 ppm	0.5056 ppm	0.5106 ppm	0.5204 ppm	0.5049 ppm	5.1162 ppm	0.5158 ppm
Concentration per Run	0.5143 ppm	0.5052 ppm	0.5114 ppm	0.5214 ppm	0.5056 ppm	5.1109 ppm	0.5091 ppm
Concentration per Run	0.5144 ppm	0.5063 ppm	0.5111 ppm	0.5214 ppm	0.5023 ppm	5.1022 ppm	0.5190 ppm
Concentration per Run	0.5126 ppm	0.5052 ppm	0.5094 ppm	0.5184 ppm	0.5067 ppm	5.1356 ppm	0.5194 ppm
Recovery Percentage	102.756 %	101.112 %	102.128 %	104.076 %	100.973 %	102.324 %	103.167 %
Concentration RSD	0.2 %	0.1 %	0.2 %	0.3 %	0.5 %	0.3 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5168 ppm	0.5073 ppm	0.4854 ppm	10.0605 ppm	0.5136 ppm	0.5058 ppm	0.5141 ppm
Concentration per Run	0.5154 ppm	0.5071 ppm	0.4863 ppm	10.0848 ppm	0.5168 ppm	0.5055 ppm	0.5119 ppm
Concentration per Run	0.5215 ppm	0.5073 ppm	0.4866 ppm	10.0876 ppm	0.5139 ppm	0.5061 ppm	0.5198 ppm
Concentration per Run	0.5135 ppm	0.5074 ppm	0.4831 ppm	10.0090 ppm	0.5102 ppm	0.5058 ppm	0.5105 ppm
Recovery Percentage	103.359 %	101.452 %	97.070 %	100.605 %	102.726 %	101.160 %	102.820 %
Concentration RSD	0.8 %	0.0 %	0.4 %	0.4 %	0.6 %	0.1 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4816 ppm	5.4343 ppm	0.4970 ppm	0.5049 ppm	0.5117 ppm	0.4954 ppm	0.5127 ppm
Concentration per Run	0.4809 ppm	5.4390 ppm	0.4949 ppm	0.5045 ppm	0.5117 ppm	0.4948 ppm	0.5130 ppm
Concentration per Run	0.4807 ppm	5.4471 ppm	0.4962 ppm	0.5058 ppm	0.5161 ppm	0.4972 ppm	0.5138 ppm
Concentration per Run	0.4833 ppm	5.4168 ppm	0.4998 ppm	0.5046 ppm	0.5074 ppm	0.4940 ppm	0.5112 ppm
Recovery Percentage	96.328 %	103.511 %	99.392 %	100.990 %	102.349 %	99.070 %	102.533 %
Concentration RSD	0.3 %	0.3 %	0.5 %	0.1 %	0.9 %	0.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4969 ppm	99.3007 %	98.3600 %	97.9928 %	97.5470 %	97.0628 %
Concentration per Run	0.4999 ppm	99.3394 %	98.2347 %	98.2774 %	98.0639 %	97.3980 %
Concentration per Run	0.4962 ppm	99.2140 %	98.1207 %	97.7014 %	97.7142 %	96.7666 %
Concentration per Run	0.4945 ppm	99.3487 %	98.7247 %	97.9998 %	96.8631 %	97.0239 %
Recovery Percentage	99.371 %	0.1 %	0.3 %	0.3 %	0.6 %	0.1 %
Concentration RSD	0.6 %	0.1 %	0.3 %	0.3 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 2:00:53 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	0.0013 ppm	0.0014 ppm	-0.0009 ppm	-0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run	-0.0010 ppm	-0.0001 ppm	0.0021 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm	-0.0044 ppm
Concentration per Run	-0.0008 ppm	-0.0038 ppm	0.0029 ppm	-0.0013 ppm	-0.0002 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run	-0.0002 ppm	0.0077 ppm	-0.0009 ppm	-0.0018 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm
Recovery Percentage	-9.903 %	1.289 %	27.208 %	-2.975 %	-0.655 %	-0.638 %	-0.638 %
Concentration RSD	58.3 %	455.9 %	147.0 %	130.6 %	199.7 %	47.9 %	509.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0002 ppm	0.0004 ppm	-0.0685 ppm	0.0026 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0003 ppm	-0.0677 ppm	0.0025 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0001 ppm	0.0013 ppm	-0.0669 ppm	0.0032 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	-0.0006 ppm	0.0000 ppm	0.0003 ppm	-0.0708 ppm	0.0020 ppm
Recovery Percentage	1.678 %	0.939 %	-3.141 %	1.883 %	0.826 %	-2.738 %	51.379 %
Concentration RSD	40.1 %	174.2 %	117.5 %	92.1 %	193.6 %	3.0 %	23.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0025 ppm	0.0000 ppm	0.0000 ppm	-0.0055 ppm	-0.0010 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run	-0.0036 ppm	-0.0001 ppm	0.0004 ppm	-0.0027 ppm	-0.0007 ppm	-0.0002 ppm	0.0031 ppm
Concentration per Run	-0.0023 ppm	-0.0001 ppm	0.0004 ppm	-0.0092 ppm	-0.0007 ppm	0.0005 ppm	-0.0007 ppm
Concentration per Run	-0.0017 ppm	0.0001 ppm	-0.0007 ppm	-0.0047 ppm	-0.0016 ppm	0.0007 ppm	-0.0012 ppm
Recovery Percentage	-2.534 %	-0.235 %	-0.022 %	-0.277 %	-4.019 %	3.186 %	0.820 %
Concentration RSD	36.6 %	577.9 %	5.728.3 %	60.3 %	52.6 %	158.4 %	575.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	0.0018 ppm	0.0009 ppm	-0.0001 ppm	-0.0009 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0037 ppm	0.0025 ppm	0.0001 ppm	0.0000 ppm	-0.0009 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	-0.0009 ppm	0.0044 ppm	0.0020 ppm	-0.0001 ppm	-0.0010 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run	0.0021 ppm	-0.0016 ppm	0.0007 ppm	-0.0001 ppm	-0.0008 ppm	0.0027 ppm	-0.0001 ppm
Recovery Percentage	16.140 %	0.351 %	1.794 %	-0.651 %	-9.074 %	8.374 %	-0.117 %
Concentration RSD	144.2 %	174.2 %	108.3 %	52.2 %	8.2 %	75.8 %	1,223.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	96.4931 %	95.5264 %	95.6478 %	96.2828 %	98.0095 %	95.5981 %
Concentration per Run	0.0001 ppm	96.4093 %	95.2233 %	95.9860 %	96.4837 %	97.7684 %	96.0676 %
Concentration per Run	-0.0003 ppm	95.7417 %	95.1490 %	95.4292 %	95.2545 %	95.5574 %	95.0869 %
Concentration per Run	0.0002 ppm	97.3283 %	96.2070 %	95.5282 %	97.1102 %	97.7028 %	95.6398 %
Recovery Percentage	-0.164 %						
Concentration RSD	2,899.9 %	0.8 %	0.6 %	0.3 %	1.0 %	0.5 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-1 WG2110788

Analysis started at: 9/11/2025 2:13:12 PM

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Rack Number 1

Vial Numbers 50

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0207 ppm	0.0007 ppm	0.0012 ppm	0.0004 ppm	0.0000 ppm	0.0438 ppm
Concentration per Run	-0.0004 ppm	0.0263 ppm	0.0016 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0447 ppm
Concentration per Run	-0.0008 ppm	0.0166 ppm	0.0002 ppm	0.0006 ppm	0.0004 ppm	0.0000 ppm	0.0414 ppm
Concentration per Run	0.0000 ppm	0.0193 ppm	0.0002 ppm	0.0027 ppm	0.0005 ppm	0.0000 ppm	0.0452 ppm
Recovery Percentage	-6.157 %	20.738 %	13.582 %	3.843 %	4.281 %	0.413 %	43.779 %
Concentration RSD	93.6 %	24.2 %	119.8 %	113.5 %	17.7 %	157.1 %	4.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0005 ppm	0.0011 ppm	0.0009 ppm	0.0934 ppm	-0.0260 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	0.0015 ppm	0.0012 ppm	0.0934 ppm	-0.0257 ppm	0.0015 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0013 ppm	0.0008 ppm	0.0929 ppm	-0.0295 ppm	0.0015 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0006 ppm	0.0938 ppm	-0.0228 ppm	0.0013 ppm
Recovery Percentage	0.301 %	2.655 %	11.393 %	8.529 %	186.714 %	-1.040 %	28.740 %
Concentration RSD	688.1 %	61.4 %	41.3 %	33.4 %	0.5 %	12.9 %	11.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0205 ppm	0.0027 ppm	0.0002 ppm	0.0285 ppm	-0.0009 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run	0.0204 ppm	0.0028 ppm	0.0001 ppm	0.0252 ppm	-0.0010 ppm	0.0003 ppm	-0.0005 ppm
Concentration per Run	0.0197 ppm	0.0028 ppm	-0.0001 ppm	0.0343 ppm	-0.0014 ppm	0.0004 ppm	0.0016 ppm
Concentration per Run	0.0212 ppm	0.0027 ppm	0.0006 ppm	0.0260 ppm	-0.0003 ppm	0.0016 ppm	-0.0011 ppm
Recovery Percentage	20.453 %	27.457 %	0.345 %	1.425 %	-3.552 %	7.541 %	-0.085 %
Concentration RSD	3.7 %	1.4 %	208.6 %	17.8 %	62.4 %	95.1 %	3.354.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	0.0243 ppm	0.0084 ppm	0.0001 ppm	0.0009 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0028 ppm	0.0255 ppm	0.0082 ppm	0.0001 ppm	0.0011 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0017 ppm	0.0231 ppm	0.0080 ppm	0.0000 ppm	0.0007 ppm	0.0022 ppm	-0.0001 ppm
Concentration per Run	0.0011 ppm	0.0242 ppm	0.0090 ppm	0.0002 ppm	0.0008 ppm	0.0006 ppm	0.0000 ppm
Recovery Percentage	18.720 %	4.854 %	16.780 %	0.869 %	8.696 %	3.534 %	-0.671 %
Concentration RSD	47.7 %	4.9 %	6.0 %	102.2 %	21.3 %	210.8 %	113.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0014 ppm	98.7048 %	97.8310 %	95.6150 %	97.6975 %	98.4887 %	96.3372 %
Concentration per Run	0.0014 ppm	98.6862 %	98.2234 %	95.7625 %	97.4225 %	99.5084 %	96.5380 %
Concentration per Run	0.0012 ppm	98.5580 %	98.0234 %	94.6734 %	97.6690 %	97.6385 %	95.2187 %
Concentration per Run	0.0014 ppm	98.8702 %	97.2463 %	96.4092 %	98.0009 %	98.3192 %	97.2549 %
Recovery Percentage	27.181 %						
Concentration RSD	8.6 %	0.2 %	0.5 %	0.9 %	0.3 %	1.0 %	1.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: eWG2110788-2d2 WG2110788

Analysis started at: 9/11/2025 2:15:28 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 51

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0458 ppm	1.2830 ppm	0.0907 ppm	0.7693 ppm	1.3314 ppm	0.0333 ppm	6.7961 ppm
Concentration per Run	0.0462 ppm	1.2879 ppm	0.0897 ppm	0.7740 ppm	1.3298 ppm	0.0333 ppm	6.7829 ppm
Concentration per Run	0.0456 ppm	1.2760 ppm	0.0914 ppm	0.7677 ppm	1.3318 ppm	0.0332 ppm	6.8035 ppm
Concentration per Run	0.0456 ppm	1.2851 ppm	0.0912 ppm	0.7663 ppm	1.3327 ppm	0.0334 ppm	6.8018 ppm
Concentration RSD	0.7 %	0.5 %	1.0 %	0.5 %	0.1 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0408 ppm	0.3213 ppm	0.1281 ppm	0.1706 ppm	0.6604 ppm	8.2813 ppm	-0.0002 ppm
Concentration per Run	0.0409 ppm	0.3222 ppm	0.1273 ppm	0.1704 ppm	0.6553 ppm	8.2753 ppm	-0.0003 ppm
Concentration per Run	0.0408 ppm	0.3213 ppm	0.1285 ppm	0.1708 ppm	0.6637 ppm	8.2993 ppm	0.0007 ppm
Concentration per Run	0.0407 ppm	0.3204 ppm	0.1285 ppm	0.1705 ppm	0.6620 ppm	8.2694 ppm	-0.0011 ppm
Concentration RSD	0.2 %	0.3 %	0.5 %	0.1 %	0.7 %	0.2 %	370.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.8075 ppm	0.3301 ppm	0.6804 ppm	7.9178 ppm	0.3287 ppm	0.4161 ppm	0.3610 ppm
Concentration per Run	6.7729 ppm	0.3298 ppm	0.6813 ppm	7.9167 ppm	0.3283 ppm	0.4165 ppm	0.3598 ppm
Concentration per Run	6.8383 ppm	0.3302 ppm	0.6826 ppm	7.9307 ppm	0.3277 ppm	0.4157 ppm	0.3626 ppm
Concentration per Run	6.8113 ppm	0.3301 ppm	0.6773 ppm	7.9060 ppm	0.3302 ppm	0.4162 ppm	0.3606 ppm
Concentration RSD	0.5 %	0.1 %	0.4 %	0.2 %	0.4 %	0.1 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0994 ppm	0.7241 ppm	0.6843 ppm	0.6697 ppm	0.6716 ppm	0.1002 ppm	0.3520 ppm
Concentration per Run	0.0970 ppm	0.7252 ppm	0.6894 ppm	0.6694 ppm	0.6718 ppm	0.0993 ppm	0.3522 ppm
Concentration per Run	0.1011 ppm	0.7254 ppm	0.6848 ppm	0.6693 ppm	0.6737 ppm	0.0998 ppm	0.3519 ppm
Concentration per Run	0.1000 ppm	0.7216 ppm	0.6788 ppm	0.6702 ppm	0.1015 ppm	0.1015 ppm	0.3518 ppm
Concentration RSD	2.2 %	0.3 %	0.8 %	0.1 %	0.3 %	1.2 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3401 ppm	97.2824 %	96.6695 %	94.5407 %	95.5402 %	96.7416 %	94.2077 %
Concentration per Run	0.3423 ppm	97.0545 %	96.5306 %	95.1815 %	94.9708 %	97.3818 %	94.9335 %
Concentration per Run	0.3397 ppm	97.3143 %	97.1815 %	94.3857 %	95.5933 %	97.6165 %	94.0409 %
Concentration per Run	0.3384 ppm	97.4785 %	96.2963 %	94.0551 %	96.0564 %	95.2265 %	93.6487 %
Concentration RSD	0.6 %	0.2 %	0.5 %	0.6 %	0.6 %	1.4 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553999-01d2 WG2108897

Analysis started at: 9/11/2025 2:17:33 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 47

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0019 ppm	113.4586 ppm	0.0685 ppm	0.0146 ppm	0.4116 ppm	0.0032 ppm	33.2468 ppm
Concentration per Run	0.0019 ppm	113.7786 ppm	0.0697 ppm	0.0159 ppm	0.4149 ppm	0.0032 ppm	33.2825 ppm
Concentration per Run	0.0016 ppm	113.2635 ppm	0.0686 ppm	0.0145 ppm	0.4098 ppm	0.0032 ppm	33.2354 ppm
Concentration per Run	0.0021 ppm	113.3337 ppm	0.0673 ppm	0.0133 ppm	0.4102 ppm	0.0032 ppm	33.2225 ppm
Concentration RSD	14.0 %	0.2 %	1.8 %	9.1 %	0.7 %	1.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0028 ppm	0.0794 ppm	0.1846 ppm	0.3406 ppm	132.8033 ppm	10.1339 ppm	0.1357 ppm
Concentration per Run	0.0028 ppm	0.0790 ppm	0.1841 ppm	0.3406 ppm	133.5167 ppm	10.1944 ppm	0.1376 ppm
Concentration per Run	0.0028 ppm	0.0790 ppm	0.1847 ppm	0.3396 ppm	132.3429 ppm	10.0940 ppm	0.1347 ppm
Concentration per Run	0.0029 ppm	0.0801 ppm	0.1851 ppm	0.3416 ppm	132.5502 ppm	10.1132 ppm	0.1348 ppm
Concentration RSD	1.2 %	0.8 %	0.3 %	0.3 %	0.5 %	0.5 %	1.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	27.2473 ppm	14.1721 ppm	0.0204 ppm	3.7268 ppm	0.1378 ppm	0.2638 ppm	0.0037 ppm
Concentration per Run	26.9035 ppm	14.2210 ppm	0.0200 ppm	3.7254 ppm	0.1384 ppm	0.2644 ppm	0.0068 ppm
Concentration per Run	27.5282 ppm	14.1555 ppm	0.0205 ppm	3.7304 ppm	0.1379 ppm	0.2630 ppm	0.0001 ppm
Concentration per Run	27.3103 ppm	14.1399 ppm	0.0206 ppm	3.7247 ppm	0.1371 ppm	0.2639 ppm	0.0042 ppm
Concentration RSD	1.2 %	0.3 %	1.7 %	0.1 %	0.5 %	0.3 %	90.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	15.9544 ppm	0.0224 ppm	0.1111 ppm	4.3302 ppm	0.0005 ppm	0.1708 ppm
Concentration per Run	0.0030 ppm	15.9844 ppm	0.0216 ppm	0.1117 ppm	4.2894 ppm	-0.0006 ppm	0.1703 ppm
Concentration per Run	0.0018 ppm	15.9777 ppm	0.0224 ppm	0.1106 ppm	4.3801 ppm	0.0009 ppm	0.1707 ppm
Concentration per Run	0.0035 ppm	15.9013 ppm	0.0232 ppm	0.1109 ppm	4.3212 ppm	0.0012 ppm	0.1715 ppm
Concentration RSD	32.5 %	0.3 %	3.6 %	0.5 %	1.1 %	196.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7780 ppm	98.0617 %	100.9631 %	92.2211 %	107.5678 %	112.1193 %	108.0709 %
Concentration per Run	0.7763 ppm	98.2595 %	101.2883 %	91.9619 %	107.5158 %	113.1552 %	107.8447 %
Concentration per Run	0.7776 ppm	98.1758 %	100.6988 %	91.9874 %	107.8939 %	111.3834 %	107.6238 %
Concentration per Run	0.7800 ppm	97.7499 %	100.9021 %	92.7140 %	107.2935 %	111.8194 %	108.7443 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.5 %	0.3 %	0.8 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553999-02d2 WG2108897

Analysis started at: 9/11/2025 2:19:38 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 48

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0012 ppm	166.6107 ppm	0.0947 ppm	0.0177 ppm	0.3660 ppm	0.0033 ppm	38.9957 ppm
Concentration per Run	0.0013 ppm	166.8880 ppm	0.0957 ppm	0.0176 ppm	0.3659 ppm	0.0033 ppm	39.0235 ppm
Concentration per Run	0.0007 ppm	166.3357 ppm	0.0951 ppm	0.0169 ppm	0.3659 ppm	0.0033 ppm	38.9451 ppm
Concentration per Run	0.0014 ppm	166.6083 ppm	0.0934 ppm	0.0187 ppm	0.3663 ppm	0.0032 ppm	39.0186 ppm
Concentration RSD	32.4 %	0.2 %	1.3 %	4.9 %	0.1 %	1.6 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0023 ppm	0.0816 ppm	0.2083 ppm	0.4631 ppm	123.7094 ppm	9.1204 ppm	0.1181 ppm
Concentration per Run	0.0023 ppm	0.0820 ppm	0.2103 ppm	0.4629 ppm	123.9003 ppm	9.1503 ppm	0.1174 ppm
Concentration per Run	0.0023 ppm	0.0813 ppm	0.2080 ppm	0.4639 ppm	123.0121 ppm	9.0910 ppm	0.1168 ppm
Concentration per Run	0.0023 ppm	0.0814 ppm	0.2067 ppm	0.4624 ppm	124.2159 ppm	9.1197 ppm	0.1203 ppm
Concentration RSD	0.1 %	0.5 %	0.9 %	0.2 %	0.5 %	0.3 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	25.7862 ppm	12.6846 ppm	0.0579 ppm	3.9610 ppm	0.1346 ppm	0.3196 ppm	0.0016 ppm
Concentration per Run	25.5869 ppm	12.7041 ppm	0.0581 ppm	3.9833 ppm	0.1345 ppm	0.3178 ppm	0.0015 ppm
Concentration per Run	25.8856 ppm	12.6621 ppm	0.0578 ppm	3.9500 ppm	0.1346 ppm	0.3194 ppm	-0.0015 ppm
Concentration per Run	25.8860 ppm	12.6876 ppm	0.0579 ppm	3.9498 ppm	0.1346 ppm	0.3216 ppm	0.0048 ppm
Concentration RSD	0.7 %	0.2 %	0.3 %	0.5 %	0.1 %	0.6 %	192.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	13.6867 ppm	0.0261 ppm	0.1430 ppm	4.2187 ppm	0.0016 ppm	0.1710 ppm
Concentration per Run	0.0014 ppm	13.7501 ppm	0.0262 ppm	0.1433 ppm	4.1879 ppm	0.0010 ppm	0.1711 ppm
Concentration per Run	0.0029 ppm	13.6783 ppm	0.0247 ppm	0.1426 ppm	4.2325 ppm	0.0021 ppm	0.1714 ppm
Concentration per Run	0.0020 ppm	13.6317 ppm	0.0273 ppm	0.1432 ppm	4.2355 ppm	0.0018 ppm	0.1705 ppm
Concentration RSD	34.2 %	0.4 %	5.1 %	0.3 %	0.6 %	37.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.9646 ppm	98.8547 %	101.3431 %	92.2954 %	106.7021 %	112.0957 %	106.8640 %
Concentration per Run	0.9701 ppm	98.4656 %	100.7372 %	91.5949 %	105.9012 %	112.0763 %	105.9302 %
Concentration per Run	0.9631 ppm	98.5726 %	102.3391 %	92.7774 %	106.7681 %	113.0189 %	107.6578 %
Concentration per Run	0.9605 ppm	99.5259 %	100.9531 %	92.3138 %	107.4371 %	111.1919 %	107.0041 %
Concentration RSD	0.5 %	0.6 %	0.9 %	0.7 %	0.7 %	0.8 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553999-03d2 WG2108897

Analysis started at: 9/11/2025 2:21:43 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 49

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0007 ppm	117.6300 ppm	0.0706 ppm	0.0187 ppm	0.3823 ppm	0.0025 ppm	103.0965 ppm
Concentration per Run	0.0003 ppm	117.7656 ppm	0.0711 ppm	0.0186 ppm	0.3783 ppm	0.0026 ppm	103.0348 ppm
Concentration per Run	0.0011 ppm	117.6726 ppm	0.0729 ppm	0.0180 ppm	0.3866 ppm	0.0025 ppm	103.0842 ppm
Concentration per Run	0.0007 ppm	117.4517 ppm	0.0678 ppm	0.0195 ppm	0.3820 ppm	0.0025 ppm	103.1706 ppm
Concentration RSD	60.1 %	0.1 %	3.7 %	4.1 %	1.1 %	0.6 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0013 ppm	0.0607 ppm	0.2175 ppm	0.2860 ppm	110.9717 ppm	10.8865 ppm	0.1127 ppm
Concentration per Run	0.0014 ppm	0.0611 ppm	0.2185 ppm	0.2858 ppm	111.1262 ppm	10.8405 ppm	0.1151 ppm
Concentration per Run	0.0012 ppm	0.0604 ppm	0.2163 ppm	0.2858 ppm	111.2432 ppm	10.8642 ppm	0.1123 ppm
Concentration per Run	0.0014 ppm	0.0608 ppm	0.2178 ppm	0.2863 ppm	110.5457 ppm	10.9548 ppm	0.1109 ppm
Concentration RSD	8.2 %	0.6 %	0.5 %	0.1 %	0.3 %	0.6 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	33.1300 ppm	9.0959 ppm	0.0166 ppm	4.6860 ppm	0.1217 ppm	0.2442 ppm	0.0044 ppm
Concentration per Run	32.9886 ppm	9.1033 ppm	0.0167 ppm	4.6902 ppm	0.1211 ppm	0.2423 ppm	0.0043 ppm
Concentration per Run	33.0948 ppm	9.0942 ppm	0.0172 ppm	4.6882 ppm	0.1209 ppm	0.2454 ppm	0.0066 ppm
Concentration per Run	33.3065 ppm	9.0901 ppm	0.0158 ppm	4.6996 ppm	0.1229 ppm	0.2450 ppm	0.0024 ppm
Concentration RSD	0.5 %	0.1 %	4.1 %	0.3 %	0.9 %	0.7 %	47.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	16.2919 ppm	0.0185 ppm	0.1468 ppm	3.7047 ppm	-0.0003 ppm	0.1588 ppm
Concentration per Run	0.0030 ppm	16.2812 ppm	0.0190 ppm	0.1466 ppm	3.6930 ppm	0.0004 ppm	0.1591 ppm
Concentration per Run	0.0055 ppm	16.3411 ppm	0.0180 ppm	0.1466 ppm	3.6997 ppm	-0.0015 ppm	0.1583 ppm
Concentration per Run	0.0004 ppm	16.2534 ppm	0.0185 ppm	0.1473 ppm	3.7214 ppm	0.0003 ppm	0.1591 ppm
Concentration RSD	86.7 %	0.3 %	2.8 %	0.3 %	0.4 %	364.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7364 ppm	98.7206 %	101.1819 %	92.0545 %	105.7923 %	111.6019 %	106.0253 %
Concentration per Run	0.7355 ppm	98.6688 %	100.6688 %	91.5926 %	105.7011 %	111.0523 %	105.5182 %
Concentration per Run	0.7372 ppm	98.7288 %	102.2408 %	92.0057 %	105.7204 %	112.6349 %	106.1111 %
Concentration per Run	0.7365 ppm	98.7640 %	100.6363 %	92.5653 %	105.9555 %	111.1183 %	106.4466 %
Concentration RSD	0.1 %	0.0 %	0.9 %	0.5 %	0.1 %	0.8 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554000-03d2 WG2110788

Analysis started at: 9/11/2025 2:23:48 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 52

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	46.2357 ppm	0.0219 ppm	0.0030 ppm	0.1173 ppm	0.0013 ppm	2.1819 ppm
Concentration per Run	0.0000 ppm	46.4204 ppm	0.0221 ppm	0.0036 ppm	0.1175 ppm	0.0014 ppm	2.1758 ppm
Concentration per Run	-0.0006 ppm	46.1769 ppm	0.0224 ppm	0.0028 ppm	0.1173 ppm	0.0013 ppm	2.1764 ppm
Concentration per Run	-0.0003 ppm	46.1098 ppm	0.0212 ppm	0.0025 ppm	0.1171 ppm	0.0013 ppm	2.1935 ppm
Concentration RSD	92.9 %	0.4 %	2.9 %	19.0 %	0.2 %	1.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0231 ppm	0.0419 ppm	0.0361 ppm	81.1768 ppm	2.6402 ppm	0.0976 ppm
Concentration per Run	0.0002 ppm	0.0239 ppm	0.0413 ppm	0.0362 ppm	80.9719 ppm	2.6505 ppm	0.0984 ppm
Concentration per Run	0.0003 ppm	0.0293 ppm	0.0426 ppm	0.0363 ppm	81.4127 ppm	2.6460 ppm	0.0974 ppm
Concentration per Run	0.0002 ppm	0.0292 ppm	0.0419 ppm	0.0358 ppm	81.1457 ppm	2.6242 ppm	0.0969 ppm
Concentration RSD	26.9 %	0.7 %	1.5 %	0.8 %	0.3 %	0.5 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.3297 ppm	0.9259 ppm	0.0002 ppm	0.0732 ppm	0.0647 ppm	0.0528 ppm	0.0021 ppm
Concentration per Run	14.1654 ppm	0.9266 ppm	0.0002 ppm	0.0732 ppm	0.0641 ppm	0.0534 ppm	0.0061 ppm
Concentration per Run	14.4139 ppm	0.9280 ppm	0.0002 ppm	0.0785 ppm	0.0649 ppm	0.0535 ppm	0.0015 ppm
Concentration per Run	14.4098 ppm	0.9252 ppm	0.0002 ppm	0.0680 ppm	0.0649 ppm	0.0516 ppm	-0.0013 ppm
Concentration RSD	1.0 %	0.1 %	13.8 %	7.2 %	0.7 %	2.0 %	178.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	1.3742 ppm	0.0063 ppm	0.0113 ppm	0.2750 ppm	0.0002 ppm	0.0589 ppm
Concentration per Run	0.0022 ppm	1.3636 ppm	0.0063 ppm	0.0114 ppm	0.2714 ppm	0.0000 ppm	0.0582 ppm
Concentration per Run	0.0015 ppm	1.3783 ppm	0.0058 ppm	0.0113 ppm	0.2761 ppm	-0.0004 ppm	0.0598 ppm
Concentration per Run	0.0027 ppm	1.3809 ppm	0.0069 ppm	0.0112 ppm	0.2774 ppm	0.0008 ppm	0.0587 ppm
Concentration RSD	27.2 %	0.7 %	8.4 %	0.9 %	1.2 %	420.1 %	1.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2054 ppm	99.3043 %	99.1767 %	95.0294 %	99.9835 %	102.7242 %	99.7831 %
Concentration per Run	0.2046 ppm	98.9858 %	99.5204 %	94.5582 %	99.6497 %	103.8229 %	99.0939 %
Concentration per Run	0.2058 ppm	99.5600 %	99.6621 %	95.7437 %	100.0252 %	103.1612 %	100.4118 %
Concentration per Run	0.2058 ppm	99.3671 %	98.3477 %	94.7864 %	100.2754 %	101.1885 %	99.8436 %
Concentration RSD	0.3 %	0.3 %	0.7 %	0.7 %	0.3 %	1.3 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-3d2 WG2110788

Analysis started at: 9/11/2025 2:25:53 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 53

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0501 ppm	54.5169 ppm	0.1322 ppm	0.8789 ppm	2.0522 ppm	0.0517 ppm	11.7234 ppm
Concentration per Run	0.0499 ppm	54.4162 ppm	0.1330 ppm	0.8726 ppm	2.0395 ppm	0.0517 ppm	11.7414 ppm
Concentration per Run	0.0501 ppm	54.6066 ppm	0.1321 ppm	0.8821 ppm	2.0590 ppm	0.0516 ppm	11.7241 ppm
Concentration per Run	0.0503 ppm	54.5279 ppm	0.1314 ppm	0.8820 ppm	2.0581 ppm	0.0517 ppm	11.7047 ppm
Concentration RSD	0.4 %	0.2 %	0.6 %	0.6 %	0.5 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0524 ppm	0.5076 ppm	0.2377 ppm	0.2912 ppm	80.8117 ppm	11.8406 ppm	0.1167 ppm
Concentration per Run	0.0522 ppm	0.5062 ppm	0.2372 ppm	0.2895 ppm	80.8827 ppm	11.8027 ppm	0.1155 ppm
Concentration per Run	0.0527 ppm	0.5075 ppm	0.2375 ppm	0.2920 ppm	80.4744 ppm	11.8444 ppm	0.1180 ppm
Concentration per Run	0.0524 ppm	0.5091 ppm	0.2383 ppm	0.2923 ppm	81.0781 ppm	11.8747 ppm	0.1166 ppm
Concentration RSD	0.5 %	0.3 %	0.3 %	0.5 %	0.4 %	0.3 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	25.9945 ppm	1.4915 ppm	0.9549 ppm	10.2707 ppm	0.5562 ppm	0.5866 ppm	0.2188 ppm
Concentration per Run	25.7596 ppm	1.4843 ppm	0.9487 ppm	10.1576 ppm	0.5523 ppm	0.5861 ppm	0.2162 ppm
Concentration per Run	26.1851 ppm	1.4865 ppm	0.9586 ppm	10.2386 ppm	0.5583 ppm	0.5869 ppm	0.2150 ppm
Concentration per Run	26.0388 ppm	1.5038 ppm	0.9565 ppm	10.4159 ppm	0.5581 ppm	0.5868 ppm	0.2251 ppm
Concentration RSD	0.8 %	0.7 %	0.6 %	1.3 %	0.6 %	0.1 %	2.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1098 ppm	2.6254 ppm	0.8556 ppm	0.9878 ppm	0.9747 ppm	0.1166 ppm	0.5688 ppm
Concentration per Run	0.1067 ppm	2.6063 ppm	0.8570 ppm	0.9817 ppm	0.9632 ppm	0.1164 ppm	0.5669 ppm
Concentration per Run	0.1142 ppm	2.6407 ppm	0.8552 ppm	0.9897 ppm	0.9898 ppm	0.1157 ppm	0.5707 ppm
Concentration per Run	0.1086 ppm	2.6293 ppm	0.8546 ppm	0.9921 ppm	0.9710 ppm	0.1176 ppm	0.5689 ppm
Concentration RSD	3.5 %	0.7 %	0.1 %	0.6 %	1.4 %	0.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7059 ppm	97.0410 ppm	97.8047 %	92.7258 %	97.3515 %	100.9253 %	97.3241 %
Concentration per Run	0.7021 ppm	97.0564 ppm	96.9061 %	92.4846 %	96.8869 %	99.1790 %	96.9492 %
Concentration per Run	0.7076 ppm	97.0761 ppm	98.4234 %	92.8485 %	97.7961 %	101.4474 %	97.6571 %
Concentration per Run	0.7079 ppm	96.9906 ppm	98.0845 %	92.8444 %	97.3714 %	102.1495 %	97.3658 %
Concentration RSD	0.5 %	0.0 %	0.8 %	0.2 %	0.5 %	1.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-4d2 WG2110788

Analysis started at: 9/11/2025 2:27:58 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 54

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	Ba 455.403 Radial-IFR)	B 208.959 Axial-IFR)	Be 455.403 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0509 ppm	52.5787 ppm	0.1315 ppm	0.8947 ppm	2.0694 ppm	0.0520 ppm	11.9627 ppm
Concentration per Run	0.0505 ppm	52.5995 ppm	0.1309 ppm	0.8912 ppm	2.0705 ppm	0.0521 ppm	12.0116 ppm
Concentration per Run	0.0510 ppm	52.6249 ppm	0.1306 ppm	0.8961 ppm	2.0745 ppm	0.0519 ppm	11.9557 ppm
Concentration per Run	0.0511 ppm	52.5116 ppm	0.1330 ppm	0.8967 ppm	2.0633 ppm	0.0519 ppm	11.9208 ppm
Concentration RSD	0.6 %	0.1 %	1.0 %	0.3 %	0.3 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0532 ppm	0.5104 ppm	0.2383 ppm	0.2994 ppm	78.0498 ppm	11.9619 ppm	0.1112 ppm
Concentration per Run	0.0528 ppm	0.5104 ppm	0.2364 ppm	0.2984 ppm	78.4173 ppm	11.9350 ppm	0.1123 ppm
Concentration per Run	0.0535 ppm	0.5118 ppm	0.2395 ppm	0.2996 ppm	77.9144 ppm	11.9871 ppm	0.1094 ppm
Concentration per Run	0.0532 ppm	0.5089 ppm	0.2390 ppm	0.3001 ppm	77.8178 ppm	11.9636 ppm	0.1119 ppm
Concentration RSD	0.7 %	0.3 %	0.7 %	0.3 %	0.4 %	0.2 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	25.6232 ppm	1.4778 ppm	0.9690 ppm	10.3900 ppm	0.5593 ppm	0.5970 ppm	0.2113 ppm
Concentration per Run	25.4677 ppm	1.4794 ppm	0.9649 ppm	10.3503 ppm	0.5579 ppm	0.5975 ppm	0.2134 ppm
Concentration per Run	25.6594 ppm	1.4809 ppm	0.9702 ppm	10.4137 ppm	0.5616 ppm	0.5966 ppm	0.2085 ppm
Concentration per Run	25.7426 ppm	1.4730 ppm	0.9720 ppm	10.4061 ppm	0.5583 ppm	0.5969 ppm	0.2119 ppm
Concentration RSD	0.6 %	0.3 %	0.4 %	0.3 %	0.4 %	0.1 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1128 ppm	3.1233 ppm	0.8489 ppm	0.9981 ppm	0.9810 ppm	0.1176 ppm	0.5738 ppm
Concentration per Run	0.1172 ppm	3.1151 ppm	0.8448 ppm	1.0001 ppm	0.9773 ppm	0.1165 ppm	0.5717 ppm
Concentration per Run	0.1106 ppm	3.1216 ppm	0.8492 ppm	0.9994 ppm	0.9799 ppm	0.1176 ppm	0.5745 ppm
Concentration per Run	0.1106 ppm	3.1332 ppm	0.8528 ppm	0.9948 ppm	0.9857 ppm	0.1186 ppm	0.5752 ppm
Concentration RSD	3.4 %	0.3 %	0.5 %	0.3 %	0.4 %	0.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7030 ppm	97.5257 %	98.2637 %	92.3059 %	98.1505 %	101.9613 %	96.5538 %
Concentration per Run	0.6995 ppm	97.8883 %	98.2757 %	91.5285 %	98.0831 %	101.0687 %	95.7481 %
Concentration per Run	0.7059 ppm	96.9335 %	98.3978 %	93.1555 %	98.2081 %	102.7113 %	97.4556 %
Concentration per Run	0.7036 ppm	97.7554 %	98.1176 %	92.2338 %	98.1603 %	102.1038 %	96.4578 %
Concentration RSD	0.5 %	0.5 %	0.1 %	0.9 %	0.1 %	0.8 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-5d2 WG2110788

Analysis started at: 9/11/2025 2:30:03 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 55

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0469 ppm	46.8384 ppm	0.1304 ppm	0.9243 ppm	1.9742 ppm	0.0495 ppm	11.9069 ppm
Concentration per Run	0.0473 ppm	46.9453 ppm	0.1314 ppm	0.9304 ppm	1.9737 ppm	0.0493 ppm	11.8861 ppm
Concentration per Run	0.0463 ppm	46.9380 ppm	0.1308 ppm	0.9160 ppm	1.9784 ppm	0.0496 ppm	11.9559 ppm
Concentration per Run	0.0471 ppm	46.6319 ppm	0.1290 ppm	0.9265 ppm	1.9703 ppm	0.0495 ppm	11.8787 ppm
Concentration RSD	1.1 %	0.4 %	1.0 %	0.8 %	0.2 %	0.3 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0502 ppm	0.4864 ppm	0.2304 ppm	0.2783 ppm	79.7197 ppm	12.4160 ppm	0.0939 ppm
Concentration per Run	0.0506 ppm	0.4902 ppm	0.2318 ppm	0.2787 ppm	78.9945 ppm	12.4036 ppm	0.0954 ppm
Concentration per Run	0.0497 ppm	0.4826 ppm	0.2285 ppm	0.2769 ppm	80.1668 ppm	12.4533 ppm	0.0942 ppm
Concentration per Run	0.0503 ppm	0.4865 ppm	0.2310 ppm	0.2792 ppm	79.9977 ppm	12.3912 ppm	0.0922 ppm
Concentration RSD	0.9 %	0.8 %	0.7 %	0.4 %	0.8 %	0.3 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	23.6155 ppm	1.3679 ppm	0.9300 ppm	9.7805 ppm	0.5319 ppm	0.5607 ppm	0.4771 ppm
Concentration per Run	23.9005 ppm	1.3724 ppm	0.9371 ppm	9.8684 ppm	0.5339 ppm	0.5599 ppm	0.4784 ppm
Concentration per Run	23.4668 ppm	1.3663 ppm	0.9244 ppm	9.7376 ppm	0.5311 ppm	0.5640 ppm	0.4747 ppm
Concentration per Run	23.4791 ppm	1.3649 ppm	0.9284 ppm	9.7356 ppm	0.5308 ppm	0.5583 ppm	0.4782 ppm
Concentration RSD	1.0 %	0.3 %	0.7 %	0.8 %	0.3 %	0.5 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1142 ppm	2.5531 ppm	0.9367 ppm	0.9475 ppm	1.2198 ppm	0.1122 ppm	0.5462 ppm
Concentration per Run	0.1145 ppm	2.5734 ppm	0.9318 ppm	0.9460 ppm	1.2231 ppm	0.1130 ppm	0.5501 ppm
Concentration per Run	0.1089 ppm	2.5427 ppm	0.9310 ppm	0.9517 ppm	1.2240 ppm	0.1122 ppm	0.5425 ppm
Concentration per Run	0.1191 ppm	2.5433 ppm	0.9473 ppm	0.9449 ppm	1.2124 ppm	0.1114 ppm	0.5461 ppm
Concentration RSD	4.5 %	0.7 %	1.0 %	0.4 %	0.5 %	0.7 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6578 ppm	97.9379 %	98.2641 %	93.2548 %	98.4878 %	101.3553 %	97.5968 %
Concentration per Run	0.6623 ppm	97.0814 %	98.2468 %	93.4744 %	97.4099 %	102.9945 %	97.7652 %
Concentration per Run	0.6521 ppm	99.0737 %	97.7597 %	93.4636 %	99.4173 %	99.7722 %	97.9423 %
Concentration per Run	0.6590 ppm	97.6584 %	98.7860 %	92.8263 %	98.6360 %	101.2992 %	97.0827 %
Concentration RSD	0.8 %	1.0 %	0.5 %	0.4 %	1.0 %	1.6 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-6d10 WG2110788

Analysis started at: 9/11/2025 2:32:08 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 56

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	9.8878 ppm	0.0055 ppm	0.0022 ppm	0.0248 ppm	0.0003 ppm	0.4602 ppm
Concentration per Run	-0.0009 ppm	9.8775 ppm	0.0066 ppm	0.0028 ppm	0.0247 ppm	0.0003 ppm	0.4596 ppm
Concentration per Run	0.0001 ppm	9.8461 ppm	0.0049 ppm	0.0032 ppm	0.0247 ppm	0.0003 ppm	0.4587 ppm
Concentration per Run	-0.0004 ppm	9.9399 ppm	0.0051 ppm	0.0005 ppm	0.0251 ppm	0.0002 ppm	0.4624 ppm
Concentration RSD	134.5 %	0.5 %	17.1 %	66.1 %	0.9 %	12.8 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0064 ppm	0.0088 ppm	0.0073 ppm	17.6610 ppm	0.5642 ppm	0.0207 ppm
Concentration per Run	0.0001 ppm	0.0061 ppm	0.0091 ppm	0.0075 ppm	17.3839 ppm	0.5773 ppm	0.0210 ppm
Concentration per Run	0.0001 ppm	0.0068 ppm	0.0090 ppm	0.0070 ppm	17.7245 ppm	0.5525 ppm	0.0211 ppm
Concentration per Run	0.0001 ppm	0.0063 ppm	0.0083 ppm	0.0073 ppm	17.8747 ppm	0.5629 ppm	0.0201 ppm
Concentration RSD	41.5 %	6.0 %	4.9 %	3.3 %	1.4 %	2.2 %	2.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.0172 ppm	0.1969 ppm	0.0003 ppm	0.0102 ppm	0.0131 ppm	0.0112 ppm	-0.0005 ppm
Concentration per Run	3.0098 ppm	0.1960 ppm	0.0002 ppm	0.0083 ppm	0.0124 ppm	0.0115 ppm	-0.0015 ppm
Concentration per Run	3.0038 ppm	0.1964 ppm	0.0000 ppm	0.0136 ppm	0.0130 ppm	0.0115 ppm	0.0010 ppm
Concentration per Run	3.0380 ppm	0.1982 ppm	0.0005 ppm	0.0085 ppm	0.0138 ppm	0.0107 ppm	-0.0010 ppm
Concentration RSD	0.6 %	0.6 %	86.6 %	29.6 %	5.2 %	4.3 %	272.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	0.2800 ppm	0.0020 ppm	0.0023 ppm	0.0544 ppm	0.0001 ppm	0.0117 ppm
Concentration per Run	0.0011 ppm	0.2784 ppm	0.0022 ppm	0.0024 ppm	0.0537 ppm	0.0020 ppm	0.0119 ppm
Concentration per Run	0.0020 ppm	0.2822 ppm	0.0017 ppm	0.0022 ppm	0.0545 ppm	-0.0006 ppm	0.0113 ppm
Concentration per Run	0.0026 ppm	0.2794 ppm	0.0023 ppm	0.0023 ppm	0.0549 ppm	-0.0010 ppm	0.0119 ppm
Concentration RSD	40.5 %	0.7 %	14.7 %	3.9 %	1.1 %	1,561.4 %	3.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0430 ppm	99.2496 %	98.4206 %	98.3621 %	98.8876 %	100.2286 %	98.4580 %
Concentration per Run	0.0430 ppm	99.5360 %	98.7189 %	98.5275 %	98.9415 %	100.3513 %	98.6958 %
Concentration per Run	0.0432 ppm	99.0523 %	97.9080 %	98.6226 %	98.2906 %	100.0901 %	98.6902 %
Concentration per Run	0.0428 ppm	99.1605 %	98.6349 %	97.9362 %	99.4307 %	100.2444 %	97.9881 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.4 %	0.6 %	0.1 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 2:34:13 PM

Analysis started at:

Comment: <Comment>

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5066 ppm	0.4819 ppm	0.4861 ppm	0.4875 ppm	0.4931 ppm	0.5072 ppm	0.4946 ppm
Concentration per Run	0.5068 ppm	0.4860 ppm	0.4849 ppm	0.4877 ppm	0.4936 ppm	0.5072 ppm	0.4938 ppm
Concentration per Run	0.5059 ppm	0.4800 ppm	0.4877 ppm	0.4868 ppm	0.4932 ppm	0.5076 ppm	0.4902 ppm
Concentration per Run	0.5071 ppm	0.4797 ppm	0.4858 ppm	0.4881 ppm	0.4925 ppm	0.5068 ppm	0.4998 ppm
Recovery Percentage	101.323 %	96.385 %	97.227 %	97.499 %	98.621 %	101.437 %	98.914 %
Concentration RSD	0.1 %	0.7 %	0.3 %	0.1 %	0.1 %	0.1 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5194 ppm	0.5094 ppm	0.5142 ppm	0.5236 ppm	0.5015 ppm	5.1811 ppm	0.4982 ppm
Concentration per Run	0.5189 ppm	0.5119 ppm	0.5139 ppm	0.5242 ppm	0.5021 ppm	5.2076 ppm	0.5002 ppm
Concentration per Run	0.5178 ppm	0.5069 ppm	0.5139 ppm	0.5239 ppm	0.5043 ppm	5.1789 ppm	0.4966 ppm
Concentration per Run	0.5214 ppm	0.5095 ppm	0.5147 ppm	0.5228 ppm	0.4981 ppm	5.1569 ppm	0.4976 ppm
Recovery Percentage	103.871 %	101.882 %	102.837 %	104.728 %	100.296 %	103.623 %	99.631 %
Concentration RSD	0.4 %	0.5 %	0.1 %	0.1 %	0.6 %	0.5 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5247 ppm	0.5077 ppm	0.4911 ppm	10.2251 ppm	0.5175 ppm	0.5085 ppm	0.5179 ppm
Concentration per Run	0.5293 ppm	0.5079 ppm	0.4906 ppm	10.2732 ppm	0.5182 ppm	0.5084 ppm	0.5197 ppm
Concentration per Run	0.5192 ppm	0.5083 ppm	0.4899 ppm	10.2664 ppm	0.5154 ppm	0.5072 ppm	0.5133 ppm
Concentration per Run	0.5256 ppm	0.5068 ppm	0.4927 ppm	10.1358 ppm	0.5188 ppm	0.5098 ppm	0.5207 ppm
Recovery Percentage	104.937 %	101.532 %	98.214 %	102.251 %	103.494 %	101.684 %	103.579 %
Concentration RSD	1.0 %	0.2 %	0.3 %	0.8 %	0.4 %	0.3 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4847 ppm	5.4590 ppm	0.5014 ppm	0.5019 ppm	0.5129 ppm	0.4940 ppm	0.5171 ppm
Concentration per Run	0.4848 ppm	5.4686 ppm	0.5025 ppm	0.5024 ppm	0.5149 ppm	0.4925 ppm	0.5176 ppm
Concentration per Run	0.4808 ppm	5.4369 ppm	0.5046 ppm	0.5014 ppm	0.5099 ppm	0.4925 ppm	0.5154 ppm
Concentration per Run	0.4886 ppm	5.4714 ppm	0.4971 ppm	0.5018 ppm	0.5138 ppm	0.4970 ppm	0.5182 ppm
Recovery Percentage	96.946 %	103.980 %	100.285 %	100.374 %	102.574 %	98.802 %	103.413 %
Concentration RSD	0.8 %	0.4 %	0.8 %	0.1 %	0.5 %	0.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4986 ppm	98.7099 %	97.7875 %	97.7541 %	96.7955 %	98.8351 %	96.5804 %
Concentration per Run	0.4991 ppm	98.1278 %	97.9721 %	98.3022 %	96.6219 %	98.9320 %	96.9667 %
Concentration per Run	0.4965 ppm	99.4416 %	97.7388 %	97.3694 %	97.4826 %	99.5537 %	95.9590 %
Concentration per Run	0.5003 ppm	98.5604 %	97.6517 %	97.5905 %	96.2820 %	98.0196 %	96.8156 %
Recovery Percentage	99.722 %						
Concentration RSD	0.4 %	0.7 %	0.2 %	0.5 %	0.6 %	0.8 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 2:36:18 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0028 ppm	-0.0003 ppm	0.0014 ppm	-0.0002 ppm	0.0000 ppm	-0.0067 ppm
Concentration per Run	-0.0004 ppm	0.0056 ppm	-0.0010 ppm	0.0027 ppm	0.0000 ppm	0.0000 ppm	-0.0065 ppm
Concentration per Run	0.0000 ppm	0.0010 ppm	-0.0013 ppm	0.0014 ppm	-0.0002 ppm	0.0000 ppm	-0.0054 ppm
Concentration per Run	-0.0006 ppm	0.0019 ppm	0.0014 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0082 ppm
Recovery Percentage	-4.814 %	2.825 %	-6.066 %	4.773 %	-1.986 %	0.835 %	-6.724 %
Concentration RSD	91.4 %	86.1 %	485.2 %	82.6 %	49.5 %	32.7 %	21.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm	0.0015 ppm	-0.0390 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0008 ppm	-0.0178 ppm	0.0016 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm	-0.0475 ppm	0.0005 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0007 ppm	0.0001 ppm	0.0027 ppm	-0.0517 ppm	0.0009 ppm
Recovery Percentage	1.494 %	1.857 %	-3.646 %	0.763 %	2.945 %	-1.559 %	19.746 %
Concentration RSD	34.4 %	87.3 %	104.7 %	336.7 %	73.6 %	47.4 %	55.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0114 ppm	-0.0007 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run	-0.0023 ppm	-0.0002 ppm	-0.0001 ppm	-0.0112 ppm	-0.0003 ppm	-0.0002 ppm	0.0034 ppm
Concentration per Run	0.0004 ppm	0.0000 ppm	-0.0003 ppm	-0.0152 ppm	-0.0001 ppm	0.0011 ppm	0.0024 ppm
Concentration per Run	-0.0010 ppm	0.0002 ppm	0.0004 ppm	-0.0079 ppm	-0.0017 ppm	-0.0013 ppm	0.0023 ppm
Recovery Percentage	-0.988 %	0.060 %	-0.066 %	-0.571 %	-2.828 %	-1.195 %	5.383 %
Concentration RSD	135.2 %	2.804 %	1.081 %	32.3 %	122.6 %	984.9 %	21.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0013 ppm	0.0009 ppm	0.0001 ppm	-0.0001 ppm	-0.0011 ppm	0.0013 ppm	-0.0003 ppm
Concentration per Run	0.0011 ppm	0.0003 ppm	-0.0001 ppm	-0.0001 ppm	-0.0006 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	-0.0012 ppm	0.0002 ppm	0.0005 ppm	-0.0002 ppm	-0.0013 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	-0.0036 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0014 ppm	0.0008 ppm	-0.0008 ppm
Recovery Percentage	-12.677 %	0.188 %	0.224 %	-0.945 %	-11.108 %	6.457 %	-2.669 %
Concentration RSD	184.4 %	121.8 %	319.6 %	65.4 %	39.6 %	54.1 %	159.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.4687 %	96.8350 %	97.5169 %	98.2011 %	99.6370 %	97.4393 %
Concentration per Run	0.0004 ppm	98.1169 %	96.2710 %	97.7461 %	98.3982 %	99.2958 %	97.6198 %
Concentration per Run	0.0000 ppm	97.1932 %	96.5982 %	97.3606 %	98.2886 %	100.3878 %	96.9893 %
Concentration per Run	0.0001 ppm	97.0959 %	97.6356 %	97.4439 %	97.9164 %	99.2274 %	97.7088 %
Recovery Percentage	3.121 %	0.6 %	0.7 %	0.2 %	0.3 %	0.7 %	0.4 %
Concentration RSD	115.4 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553934-19d2 WG2110788

Analysis started at: 9/11/2025 2:38:24 PM

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Rack Number 2

Vial Numbers 2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	56.6475 ppm	0.0300 ppm	0.0082 ppm	0.2826 ppm	0.0042 ppm	5.1353 ppm
Concentration per Run	0.0002 ppm	56.5224 ppm	0.0294 ppm	0.0080 ppm	0.2821 ppm	0.0043 ppm	5.1349 ppm
Concentration per Run	0.0001 ppm	56.5339 ppm	0.0290 ppm	0.0077 ppm	0.2821 ppm	0.0042 ppm	5.1317 ppm
Concentration per Run	0.0000 ppm	56.7862 ppm	0.0316 ppm	0.0088 ppm	0.2836 ppm	0.0042 ppm	5.1395 ppm
Concentration RSD	163.6 %	0.2 %	4.6 %	6.9 %	0.3 %	1.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0650 ppm	0.2197 ppm	0.0823 ppm	95.6920 ppm	4.6149 ppm	0.0632 ppm
Concentration per Run	0.0006 ppm	0.0652 ppm	0.2181 ppm	0.0821 ppm	95.9936 ppm	4.5967 ppm	0.0638 ppm
Concentration per Run	0.0006 ppm	0.0647 ppm	0.2204 ppm	0.0821 ppm	95.3498 ppm	4.6104 ppm	0.0628 ppm
Concentration per Run	0.0006 ppm	0.0651 ppm	0.2207 ppm	0.0826 ppm	95.7327 ppm	4.6376 ppm	0.0631 ppm
Concentration RSD	6.0 %	0.4 %	0.6 %	0.4 %	0.3 %	0.5 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.7846 ppm	0.7314 ppm	0.0028 ppm	0.6732 ppm	0.0853 ppm	0.0856 ppm	0.0022 ppm
Concentration per Run	14.6633 ppm	0.7283 ppm	0.0027 ppm	0.6622 ppm	0.0841 ppm	0.0842 ppm	-0.0001 ppm
Concentration per Run	14.7756 ppm	0.7318 ppm	0.0028 ppm	0.6790 ppm	0.0863 ppm	0.0864 ppm	0.0050 ppm
Concentration per Run	14.9148 ppm	0.7341 ppm	0.0028 ppm	0.6782 ppm	0.0856 ppm	0.0863 ppm	0.0016 ppm
Concentration RSD	0.9 %	0.4 %	1.7 %	1.4 %	1.3 %	1.4 %	119.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0011 ppm	1.4842 ppm	0.0065 ppm	0.0542 ppm	1.5615 ppm	-0.0003 ppm	0.2216 ppm
Concentration per Run	-0.0011 ppm	1.4786 ppm	0.0063 ppm	0.0543 ppm	1.5485 ppm	-0.0005 ppm	0.2198 ppm
Concentration per Run	0.0026 ppm	1.4851 ppm	0.0078 ppm	0.0540 ppm	1.5577 ppm	-0.0007 ppm	0.2223 ppm
Concentration per Run	0.0017 ppm	1.4890 ppm	0.0054 ppm	0.0543 ppm	1.5784 ppm	0.0002 ppm	0.2227 ppm
Concentration RSD	174.0 %	0.4 %	18.6 %	0.2 %	1.0 %	146.1 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2403 ppm	102.0663 %	101.9877 %	96.7386 %	116.2572 %	120.3771 %	116.4370 %
Concentration per Run	0.2377 ppm	102.7260 %	103.0265 %	96.5905 %	116.4434 %	119.3166 %	115.8888 %
Concentration per Run	0.2416 ppm	101.3949 %	101.8912 %	96.3634 %	115.5568 %	120.9438 %	116.1754 %
Concentration per Run	0.2416 ppm	102.0781 %	101.0454 %	97.2619 %	116.7713 %	120.8708 %	117.2468 %
Concentration RSD	0.9 %	0.7 %	1.0 %	0.5 %	0.5 %	0.8 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553984-01d2 WG2110788

Analysis started at: 9/11/2025 2:40:29 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	40.2088 ppm	0.0128 ppm	0.0068 ppm	0.3166 ppm	0.0016 ppm	339.7666 ppm
Concentration per Run	-0.0004 ppm	40.2731 ppm	0.0123 ppm	0.0071 ppm	0.3180 ppm	0.0016 ppm	339.7302 ppm
Concentration per Run	-0.0004 ppm	40.3736 ppm	0.0115 ppm	0.0067 ppm	0.3178 ppm	0.0017 ppm	340.4140 ppm
Concentration per Run	0.0000 ppm	39.9798 ppm	0.0145 ppm	0.0066 ppm	0.3140 ppm	0.0016 ppm	339.1555 ppm
Concentration RSD	105.0 %	0.5 %	11.9 %	4.0 %	0.7 %	2.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0029 ppm	0.0827 ppm	0.1044 ppm	0.6171 ppm	75.5976 ppm	12.4128 ppm	0.0575 ppm
Concentration per Run	-0.0031 ppm	0.0824 ppm	0.1052 ppm	0.6178 ppm	75.6770 ppm	12.3454 ppm	0.0596 ppm
Concentration per Run	-0.0029 ppm	0.0821 ppm	0.1040 ppm	0.6183 ppm	75.7794 ppm	12.4915 ppm	0.0602 ppm
Concentration per Run	-0.0028 ppm	0.0836 ppm	0.1040 ppm	0.6152 ppm	75.3365 ppm	12.4015 ppm	0.0527 ppm
Concentration RSD	4.1 %	0.9 %	0.6 %	0.3 %	0.3 %	0.6 %	7.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	218.1956 ppm	1.9803 ppm	0.0078 ppm	7.1192 ppm	0.1057 ppm	0.2226 ppm	0.0015 ppm
Concentration per Run	220.2251 ppm	1.9925 ppm	0.0080 ppm	7.0934 ppm	0.1058 ppm	0.2236 ppm	0.0004 ppm
Concentration per Run	219.1920 ppm	1.9828 ppm	0.0081 ppm	7.1928 ppm	0.1056 ppm	0.2213 ppm	-0.0005 ppm
Concentration per Run	215.1698 ppm	1.9656 ppm	0.0074 ppm	7.0715 ppm	0.1058 ppm	0.2229 ppm	0.0047 ppm
Concentration RSD	1.2 %	0.7 %	4.7 %	0.9 %	0.1 %	0.5 %	183.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	1.7476 ppm	0.0319 ppm	0.2983 ppm	3.0712 ppm	0.0038 ppm	0.1323 ppm
Concentration per Run	0.0033 ppm	1.7520 ppm	0.0309 ppm	0.2997 ppm	3.0996 ppm	0.0043 ppm	0.1328 ppm
Concentration per Run	0.0017 ppm	1.7537 ppm	0.0308 ppm	0.2998 ppm	3.0859 ppm	0.0040 ppm	0.1326 ppm
Concentration per Run	0.0056 ppm	1.7371 ppm	0.0340 ppm	0.2953 ppm	3.0281 ppm	0.0030 ppm	0.1316 ppm
Concentration RSD	55.9 %	0.5 %	5.8 %	0.9 %	1.2 %	18.0 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4598 ppm	93.8411 %	97.6516 %	85.4903 %	97.2132 %	104.0439 %	95.8510 %
Concentration per Run	0.4577 ppm	94.0923 %	97.8923 %	85.4424 %	97.7504 %	104.0470 %	96.0508 %
Concentration per Run	0.4609 ppm	93.8576 %	97.6012 %	85.3251 %	97.3709 %	105.1441 %	95.5530 %
Concentration per Run	0.4607 ppm	93.5734 %	97.4612 %	85.7035 %	96.5184 %	102.9405 %	95.9494 %
Concentration RSD	0.4 %	0.3 %	0.2 %	0.2 %	0.6 %	1.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553984-03d2 WG2110788

Analysis started at: 9/11/2025 2:42:34 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0009 ppm	58.7471 ppm	0.0139 ppm	0.0116 ppm	0.3933 ppm	0.0028 ppm	108.6705 ppm
Concentration per Run	0.0009 ppm	58.8011 ppm	0.0127 ppm	0.0121 ppm	0.3921 ppm	0.0028 ppm	108.7092 ppm
Concentration per Run	0.0009 ppm	58.5968 ppm	0.0137 ppm	0.0108 ppm	0.3927 ppm	0.0027 ppm	108.5639 ppm
Concentration per Run	0.0009 ppm	58.8433 ppm	0.0154 ppm	0.0117 ppm	0.3952 ppm	0.0028 ppm	108.7384 ppm
Concentration RSD	1.4 %	0.2 %	9.8 %	5.7 %	0.4 %	1.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.1182 ppm	0.1977 ppm	0.8818 ppm	109.1663 ppm	10.1024 ppm	0.0717 ppm
Concentration per Run	0.0000 ppm	0.1180 ppm	0.1970 ppm	0.8758 ppm	109.4726 ppm	10.1204 ppm	0.0744 ppm
Concentration per Run	0.0000 ppm	0.1187 ppm	0.1970 ppm	0.8808 ppm	108.7361 ppm	10.0650 ppm	0.0727 ppm
Concentration per Run	0.0000 ppm	0.1180 ppm	0.1993 ppm	0.8888 ppm	109.2903 ppm	10.1219 ppm	0.0679 ppm
Concentration RSD	1.531.7 %	0.3 %	0.7 %	0.7 %	0.4 %	0.3 %	4.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	51.6192 ppm	2.1595 ppm	0.0096 ppm	9.8463 ppm	0.1562 ppm	0.1675 ppm	-0.0001 ppm
Concentration per Run	51.3250 ppm	2.1609 ppm	0.0099 ppm	9.8015 ppm	0.1562 ppm	0.1681 ppm	0.0024 ppm
Concentration per Run	51.6550 ppm	2.1587 ppm	0.0090 ppm	9.7903 ppm	0.1565 ppm	0.1668 ppm	0.0009 ppm
Concentration per Run	51.8775 ppm	2.1609 ppm	0.0098 ppm	9.9469 ppm	0.1560 ppm	0.1675 ppm	-0.0036 ppm
Concentration RSD	0.5 %	0.1 %	4.9 %	0.9 %	0.1 %	0.4 %	3.402.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0118 ppm	2.1418 ppm	0.0391 ppm	0.2856 ppm	3.1766 ppm	0.0015 ppm	0.2007 ppm
Concentration per Run	0.0097 ppm	2.1481 ppm	0.0394 ppm	0.2858 ppm	3.1663 ppm	0.0018 ppm	0.2003 ppm
Concentration per Run	0.0113 ppm	2.1494 ppm	0.0381 ppm	0.2846 ppm	3.1673 ppm	0.0020 ppm	0.2011 ppm
Concentration per Run	0.0144 ppm	2.1280 ppm	0.0399 ppm	0.2864 ppm	3.1963 ppm	0.0007 ppm	0.2006 ppm
Concentration RSD	20.1 %	0.6 %	2.4 %	0.3 %	0.5 %	47.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5446 ppm	99.5030 %	100.9027 %	92.3066 %	107.2211 %	114.4548 %	106.9522 %
Concentration per Run	0.5448 ppm	100.1713 %	100.9487 %	92.6878 %	108.0167 %	114.2152 %	107.3060 %
Concentration per Run	0.5446 ppm	99.0111 %	100.8400 %	92.5241 %	106.3608 %	114.0292 %	107.2323 %
Concentration per Run	0.5445 ppm	99.3266 %	100.9196 %	91.7079 %	107.2857 %	115.1201 %	106.3182 %
Concentration RSD	0.0 %	0.6 %	0.1 %	0.6 %	0.8 %	0.5 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553988-09d2 WG2110788

Analysis started at: 9/11/2025 2:44:39 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0013 ppm	40.9732 ppm	0.0275 ppm	0.0062 ppm	0.0987 ppm	0.0016 ppm	8.5570 ppm
Concentration per Run	0.0014 ppm	41.1227 ppm	0.0259 ppm	0.0045 ppm	0.0991 ppm	0.0017 ppm	8.6146 ppm
Concentration per Run	0.0011 ppm	41.0183 ppm	0.0283 ppm	0.0061 ppm	0.0986 ppm	0.0017 ppm	8.5267 ppm
Concentration per Run	0.0014 ppm	40.7785 ppm	0.0282 ppm	0.0081 ppm	0.0985 ppm	0.0016 ppm	8.5297 ppm
Concentration RSD	11.3 %	0.4 %	4.9 %	28.6 %	0.4 %	3.4 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0017 ppm	0.0017 ppm	0.0310 ppm	164.5563 ppm	1.7984 ppm	0.0141 ppm
Concentration per Run	0.0003 ppm	0.0016 ppm	0.0016 ppm	0.0322 ppm	165.3718 ppm	1.8236 ppm	0.0148 ppm
Concentration per Run	0.0002 ppm	0.0015 ppm	0.0015 ppm	0.0302 ppm	164.6577 ppm	1.7880 ppm	0.0133 ppm
Concentration per Run	0.0003 ppm	0.0019 ppm	0.0019 ppm	0.0305 ppm	163.6394 ppm	1.7835 ppm	0.0140 ppm
Concentration RSD	29.6 %	10.7 %	10.7 %	3.4 %	0.5 %	1.2 %	5.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.6112 ppm	1.3557 ppm	0.0046 ppm	0.0627 ppm	0.0054 ppm	0.0435 ppm	-0.0011 ppm
Concentration per Run	1.6007 ppm	1.3564 ppm	0.0047 ppm	0.0666 ppm	0.0052 ppm	0.0421 ppm	-0.0016 ppm
Concentration per Run	1.6188 ppm	1.3594 ppm	0.0045 ppm	0.0671 ppm	0.0059 ppm	0.0453 ppm	-0.0031 ppm
Concentration per Run	1.6140 ppm	1.3514 ppm	0.0047 ppm	0.0645 ppm	0.0052 ppm	0.0432 ppm	0.0012 ppm
Concentration RSD	0.6 %	0.3 %	1.9 %	8.0 %	7.5 %	3.7 %	193.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0052 ppm	1.9599 ppm	0.0062 ppm	0.0670 ppm	0.1750 ppm	-0.0013 ppm	0.1797 ppm
Concentration per Run	0.0049 ppm	1.9501 ppm	0.0067 ppm	0.0673 ppm	0.1741 ppm	-0.0013 ppm	0.1789 ppm
Concentration per Run	0.0047 ppm	1.9674 ppm	0.0052 ppm	0.0668 ppm	0.1755 ppm	-0.0027 ppm	0.1801 ppm
Concentration per Run	0.0062 ppm	1.9623 ppm	0.0068 ppm	0.0667 ppm	0.1754 ppm	0.0002 ppm	0.1801 ppm
Concentration RSD	15.5 %	0.5 %	13.8 %	0.5 %	0.4 %	114.7 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0521 ppm	105.7109 %	104.0369 %	99.3857 %	106.4946 %	108.5107 %	105.7692 %
Concentration per Run	0.0517 ppm	105.3698 %	104.6369 %	99.0947 %	105.7373 %	107.6476 %	105.6349 %
Concentration per Run	0.0522 ppm	106.2766 %	103.1884 %	99.2958 %	107.1535 %	108.1967 %	105.8338 %
Concentration per Run	0.0525 ppm	105.4863 %	104.2854 %	99.7665 %	106.5931 %	109.6879 %	105.8388 %
Concentration RSD	0.8 %	0.5 %	0.7 %	0.3 %	0.7 %	1.0 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553988-14d2 WG2110788

Analysis started at: 9/11/2025 2:46:45 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	71.4510 ppm	0.0204 ppm	0.0087 ppm	0.2619 ppm	0.0016 ppm	8.9984 ppm
Concentration per Run	0.0008 ppm	71.4266 ppm	0.0232 ppm	0.0096 ppm	0.2610 ppm	0.0017 ppm	9.0126 ppm
Concentration per Run	-0.0004 ppm	71.5889 ppm	0.0182 ppm	0.0076 ppm	0.2628 ppm	0.0016 ppm	8.9963 ppm
Concentration per Run	0.0008 ppm	71.3376 ppm	0.0198 ppm	0.0089 ppm	0.2619 ppm	0.0017 ppm	8.9863 ppm
Concentration RSD	164.2 %	0.2 %	12.5 %	11.8 %	0.3 %	1.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0042 ppm	0.0043 ppm	0.0230 ppm	88.5014 ppm	2.4773 ppm	0.0401 ppm
Concentration per Run	0.0000 ppm	0.0043 ppm	0.0043 ppm	0.0236 ppm	88.8748 ppm	2.5052 ppm	0.0417 ppm
Concentration per Run	0.0002 ppm	0.0040 ppm	0.0040 ppm	0.0231 ppm	88.8334 ppm	2.4724 ppm	0.0381 ppm
Concentration per Run	0.0001 ppm	0.0043 ppm	0.0043 ppm	0.0232 ppm	87.7959 ppm	2.4545 ppm	0.0407 ppm
Concentration RSD	103.7 %	5.0 %	0.3 %	1.3 %	0.7 %	1.0 %	4.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.3446 ppm	0.0680 ppm	0.0030 ppm	0.0857 ppm	0.0124 ppm	0.0561 ppm	0.0022 ppm
Concentration per Run	2.3538 ppm	0.0683 ppm	0.0029 ppm	0.0801 ppm	0.0124 ppm	0.0565 ppm	0.0031 ppm
Concentration per Run	2.3481 ppm	0.0681 ppm	0.0037 ppm	0.0873 ppm	0.0127 ppm	0.0570 ppm	-0.0020 ppm
Concentration per Run	2.3321 ppm	0.0676 ppm	0.0024 ppm	0.0897 ppm	0.0123 ppm	0.0547 ppm	0.0055 ppm
Concentration RSD	0.5 %	0.5 %	21.6 %	5.8 %	1.7 %	2.1 %	173.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	1.9346 ppm	0.0064 ppm	0.0670 ppm	0.2234 ppm	0.0007 ppm	0.1640 ppm
Concentration per Run	0.0032 ppm	1.9420 ppm	0.0069 ppm	0.0671 ppm	0.2242 ppm	0.0005 ppm	0.1649 ppm
Concentration per Run	0.0038 ppm	1.9338 ppm	0.0071 ppm	0.0670 ppm	0.2241 ppm	0.0013 ppm	0.1637 ppm
Concentration per Run	0.0031 ppm	1.9280 ppm	0.0054 ppm	0.0670 ppm	0.2218 ppm	0.0004 ppm	0.1634 ppm
Concentration RSD	10.8 %	0.4 %	14.4 %	0.0 %	0.6 %	63.6 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0505 ppm	101.1927 %	102.2248 %	96.8028 %	99.8307 %	104.4667 %	100.2421 %
Concentration per Run	0.0500 ppm	101.4485 %	102.9593 %	96.4713 %	100.1241 %	104.5960 %	99.9233 %
Concentration per Run	0.0511 ppm	100.9006 %	102.1206 %	97.0908 %	99.4657 %	104.3158 %	100.6388 %
Concentration per Run	0.0505 ppm	101.2288 %	101.5945 %	96.8462 %	99.9022 %	104.4883 %	100.1643 %
Concentration RSD	1.1 %	0.3 %	0.7 %	0.3 %	0.3 %	0.1 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-03d2 WG2110788

Analysis started at: 9/11/2025 2:48:50 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 57

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	32.0663 ppm	0.0311 ppm	0.0877 ppm	0.0659 ppm	0.0021 ppm	5.0582 ppm
Concentration per Run	0.0003 ppm	32.0202 ppm	0.0305 ppm	0.0875 ppm	0.0663 ppm	0.0021 ppm	5.0566 ppm
Concentration per Run	0.0006 ppm	32.0548 ppm	0.0333 ppm	0.0886 ppm	0.0661 ppm	0.0021 ppm	5.0620 ppm
Concentration per Run	0.0005 ppm	32.1238 ppm	0.0295 ppm	0.0869 ppm	0.0652 ppm	0.0020 ppm	5.0561 ppm
Concentration RSD	35.1 %	0.2 %	6.3 %	1.0 %	0.9 %	2.9 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0272 ppm	0.0733 ppm	0.0386 ppm	83.9513 ppm	13.4556 ppm	0.1101 ppm
Concentration per Run	0.0004 ppm	0.0271 ppm	0.0736 ppm	0.0387 ppm	84.5640 ppm	13.4768 ppm	0.1115 ppm
Concentration per Run	0.0006 ppm	0.0273 ppm	0.0722 ppm	0.0384 ppm	84.3437 ppm	13.4541 ppm	0.1099 ppm
Concentration per Run	0.0007 ppm	0.0271 ppm	0.0739 ppm	0.0387 ppm	82.9462 ppm	13.4361 ppm	0.1089 ppm
Concentration RSD	28.3 %	0.4 %	1.2 %	0.4 %	1.0 %	0.2 %	1.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.7342 ppm	1.2888 ppm	0.0113 ppm	15.4125 ppm	0.0660 ppm	0.0543 ppm	-0.0009 ppm
Concentration per Run	19.6931 ppm	1.2915 ppm	0.0113 ppm	15.3930 ppm	0.0667 ppm	0.0536 ppm	-0.0020 ppm
Concentration per Run	19.8122 ppm	1.2887 ppm	0.0115 ppm	15.4204 ppm	0.0658 ppm	0.0553 ppm	-0.0029 ppm
Concentration per Run	19.6974 ppm	1.2862 ppm	0.0111 ppm	15.4240 ppm	0.0654 ppm	0.0540 ppm	0.0023 ppm
Concentration RSD	0.3 %	0.2 %	1.5 %	0.1 %	1.0 %	1.6 %	327.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0036 ppm	1.2740 ppm	0.0031 ppm	0.0646 ppm	0.7490 ppm	0.0010 ppm	0.0992 ppm
Concentration per Run	0.0038 ppm	1.2667 ppm	0.0039 ppm	0.0647 ppm	0.7472 ppm	0.0007 ppm	0.0989 ppm
Concentration per Run	0.0048 ppm	1.2801 ppm	0.0019 ppm	0.0649 ppm	0.7534 ppm	0.0020 ppm	0.0992 ppm
Concentration per Run	0.0020 ppm	1.2751 ppm	0.0034 ppm	0.0642 ppm	0.7464 ppm	0.0004 ppm	0.0995 ppm
Concentration RSD	40.1 %	0.5 %	33.8 %	0.6 %	0.5 %	80.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2211 ppm	100.6760 %	100.9983 %	96.7081 %	106.2206 %	109.6737 %	106.2769 %
Concentration per Run	0.2200 ppm	100.4470 %	100.9454 %	96.5508 %	105.9376 %	109.7206 %	106.0849 %
Concentration per Run	0.2210 ppm	100.9671 %	101.3968 %	96.6124 %	106.7359 %	110.1360 %	106.0662 %
Concentration per Run	0.2224 ppm	100.6140 %	100.6528 %	96.9612 %	105.9883 %	109.1643 %	106.6797 %
Concentration RSD	0.6 %	0.3 %	0.4 %	0.2 %	0.4 %	0.4 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-7d2 WG2110788

Analysis started at: 9/11/2025 2:50:55 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 58

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0401 ppm	42.3875 ppm	0.0967 ppm	0.6863 ppm	0.9899 ppm	0.0256 ppm	11.2988 ppm
Concentration per Run	0.0403 ppm	42.4039 ppm	0.0978 ppm	0.6801 ppm	0.9903 ppm	0.0257 ppm	11.3599 ppm
Concentration per Run	0.0407 ppm	42.4119 ppm	0.0955 ppm	0.6849 ppm	0.9904 ppm	0.0255 ppm	11.2398 ppm
Concentration per Run	0.0395 ppm	42.3468 ppm	0.0968 ppm	0.6940 ppm	0.9890 ppm	0.0255 ppm	11.2966 ppm
Concentration RSD	1.5 %	0.1 %	1.2 %	1.0 %	0.1 %	0.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0324 ppm	0.2545 ppm	0.1788 ppm	0.1702 ppm	108.2787 ppm	21.3545 ppm	0.1276 ppm
Concentration per Run	0.0321 ppm	0.2534 ppm	0.1783 ppm	0.1694 ppm	109.2250 ppm	21.3395 ppm	0.1325 ppm
Concentration per Run	0.0324 ppm	0.2552 ppm	0.1781 ppm	0.1707 ppm	107.7681 ppm	21.2737 ppm	0.1240 ppm
Concentration per Run	0.0327 ppm	0.2547 ppm	0.1799 ppm	0.1704 ppm	107.8431 ppm	21.4502 ppm	0.1262 ppm
Concentration RSD	0.9 %	0.4 %	0.6 %	0.4 %	0.8 %	0.4 %	3.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.2574 ppm	1.8658 ppm	0.4774 ppm	23.9585 ppm	0.3089 ppm	0.3831 ppm	0.0614 ppm
Concentration per Run	28.9698 ppm	1.8538 ppm	0.4714 ppm	23.6447 ppm	0.3065 ppm	0.3836 ppm	0.0612 ppm
Concentration per Run	29.1848 ppm	1.8739 ppm	0.4785 ppm	24.1526 ppm	0.3104 ppm	0.3828 ppm	0.0567 ppm
Concentration per Run	29.6176 ppm	1.8696 ppm	0.4823 ppm	24.0781 ppm	0.3098 ppm	0.3829 ppm	0.0662 ppm
Concentration RSD	1.1 %	0.6 %	1.2 %	1.1 %	0.7 %	0.1 %	7.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0792 ppm	2.7119 ppm	0.4118 ppm	0.5436 ppm	1.4951 ppm	0.0814 ppm	0.3607 ppm
Concentration per Run	0.0822 ppm	2.6966 ppm	0.4091 ppm	0.5438 ppm	1.4830 ppm	0.0818 ppm	0.3586 ppm
Concentration per Run	0.0780 ppm	2.7130 ppm	0.4129 ppm	0.5442 ppm	1.4922 ppm	0.0801 ppm	0.3609 ppm
Concentration per Run	0.0775 ppm	2.7262 ppm	0.4134 ppm	0.5429 ppm	1.5100 ppm	0.0822 ppm	0.3625 ppm
Concentration RSD	3.2 %	0.5 %	0.6 %	0.1 %	0.9 %	1.4 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5317 ppm	99.8397 %	100.2663 %	94.4106 %	107.7951 %	111.3391 %	107.2046 %
Concentration per Run	0.5287 ppm	100.2398 %	100.0367 %	93.7289 %	107.8998 %	108.4162 %	106.6145 %
Concentration per Run	0.5325 ppm	100.0897 %	100.7122 %	94.3109 %	108.1049 %	113.1467 %	106.9593 %
Concentration per Run	0.5340 ppm	99.1895 %	100.0500 %	95.1918 %	107.3805 %	112.4545 %	108.0400 %
Concentration RSD	0.5 %	0.6 %	0.4 %	0.8 %	0.3 %	2.3 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-8d2 WG2110788

Analysis started at: 9/11/2025 2:53:00 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 59

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0403 ppm	44.2916 ppm	0.0969 ppm	0.6989 ppm	1.0227 ppm	0.0266 ppm	13.8955 ppm
Concentration per Run	0.0403 ppm	44.2594 ppm	0.0959 ppm	0.6930 ppm	1.0238 ppm	0.0267 ppm	13.9130 ppm
Concentration per Run	0.0402 ppm	44.4069 ppm	0.0974 ppm	0.7026 ppm	1.0250 ppm	0.0265 ppm	13.8851 ppm
Concentration per Run	0.0402 ppm	44.2084 ppm	0.0973 ppm	0.7012 ppm	1.0192 ppm	0.0265 ppm	13.8884 ppm
Concentration RSD	0.2 %	0.2 %	0.8 %	0.7 %	0.3 %	0.3 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0324 ppm	0.2626 ppm	0.1869 ppm	0.1742 ppm	111.2921 ppm	21.7840 ppm	0.1309 ppm
Concentration per Run	0.0324 ppm	0.2620 ppm	0.1867 ppm	0.1745 ppm	111.2499 ppm	21.8611 ppm	0.1298 ppm
Concentration per Run	0.0325 ppm	0.2631 ppm	0.1867 ppm	0.1742 ppm	110.9268 ppm	21.7334 ppm	0.1307 ppm
Concentration per Run	0.0321 ppm	0.2626 ppm	0.1872 ppm	0.1737 ppm	111.6995 ppm	21.7574 ppm	0.1322 ppm
Concentration RSD	0.6 %	0.2 %	0.2 %	0.2 %	0.3 %	0.3 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.9236 ppm	1.8616 ppm	0.5007 ppm	24.0027 ppm	0.3165 ppm	0.3844 ppm	0.0587 ppm
Concentration per Run	29.8868 ppm	1.8710 ppm	0.4986 ppm	24.1329 ppm	0.3163 ppm	0.3847 ppm	0.0587 ppm
Concentration per Run	29.8406 ppm	1.8553 ppm	0.5022 ppm	24.2032 ppm	0.3173 ppm	0.3843 ppm	0.0604 ppm
Concentration per Run	30.0433 ppm	1.8586 ppm	0.5013 ppm	23.6719 ppm	0.3159 ppm	0.3843 ppm	0.0571 ppm
Concentration RSD	0.4 %	0.4 %	0.4 %	1.2 %	0.2 %	0.1 %	2.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0774 ppm	2.7008 ppm	0.4190 ppm	0.5751 ppm	1.5665 ppm	0.0810 ppm	0.3849 ppm
Concentration per Run	0.0772 ppm	2.6899 ppm	0.4178 ppm	0.5746 ppm	1.5570 ppm	0.0807 ppm	0.3847 ppm
Concentration per Run	0.0760 ppm	2.7065 ppm	0.4182 ppm	0.5757 ppm	1.5685 ppm	0.0809 ppm	0.3857 ppm
Concentration per Run	0.0790 ppm	2.7061 ppm	0.4212 ppm	0.5749 ppm	1.5739 ppm	0.0813 ppm	0.3842 ppm
Concentration RSD	2.0 %	0.4 %	0.4 %	0.1 %	0.6 %	0.4 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5391 ppm	99.4758 %	99.8962 %	94.0483 %	107.5206 %	111.5026 %	106.7858 %
Concentration per Run	0.5364 ppm	99.1345 %	99.9756 %	93.9140 %	107.1961 %	113.4093 %	106.7913 %
Concentration per Run	0.5405 ppm	100.0871 %	99.6783 %	94.3775 %	108.1206 %	111.7890 %	107.2896 %
Concentration per Run	0.5402 ppm	99.2057 %	100.0347 %	93.8535 %	107.2451 %	109.3097 %	106.2767 %
Concentration RSD	0.4 %	0.5 %	0.2 %	0.3 %	0.5 %	1.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-9d2 WG2110788

Analysis started at: 9/11/2025 2:55:05 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 60

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0469 ppm	45.7732 ppm	0.1393 ppm	1.0167 ppm	1.9045 ppm	0.0501 ppm	16.3720 ppm
Concentration per Run	0.0467 ppm	45.6495 ppm	0.1375 ppm	1.0120 ppm	1.9042 ppm	0.0501 ppm	16.3119 ppm
Concentration per Run	0.0476 ppm	45.8780 ppm	0.1421 ppm	1.0181 ppm	1.9116 ppm	0.0503 ppm	16.4045 ppm
Concentration per Run	0.0465 ppm	45.7920 ppm	0.1383 ppm	1.0199 ppm	1.8976 ppm	0.0499 ppm	16.3996 ppm
Concentration RSD	1.2 %	0.3 %	1.8 %	0.4 %	0.4 %	0.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0495 ppm	0.4869 ppm	0.2855 ppm	0.2929 ppm	114.4355 ppm	25.8541 ppm	0.1415 ppm
Concentration per Run	0.0492 ppm	0.4840 ppm	0.2843 ppm	0.2920 ppm	114.6894 ppm	25.7863 ppm	0.1428 ppm
Concentration per Run	0.0498 ppm	0.4875 ppm	0.2863 ppm	0.2931 ppm	114.8924 ppm	25.9292 ppm	0.1415 ppm
Concentration per Run	0.0496 ppm	0.4892 ppm	0.2859 ppm	0.2935 ppm	113.7249 ppm	25.8466 ppm	0.1401 ppm
Concentration RSD	0.6 %	0.5 %	0.4 %	0.3 %	0.5 %	0.3 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	36.6926 ppm	2.2181 ppm	0.9204 ppm	28.8872 ppm	0.5518 ppm	0.5635 ppm	0.4773 ppm
Concentration per Run	36.3836 ppm	2.2185 ppm	0.9150 ppm	28.8745 ppm	0.5503 ppm	0.5626 ppm	0.4722 ppm
Concentration per Run	37.0877 ppm	2.2205 ppm	0.9288 ppm	29.0847 ppm	0.5530 ppm	0.5639 ppm	0.4835 ppm
Concentration per Run	36.6066 ppm	2.2154 ppm	0.9195 ppm	28.6925 ppm	0.5521 ppm	0.5641 ppm	0.4762 ppm
Concentration RSD	1.0 %	0.1 %	0.7 %	0.7 %	0.3 %	0.2 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1162 ppm	2.6908 ppm	0.9061 ppm	1.0012 ppm	1.9710 ppm	0.1079 ppm	0.6166 ppm
Concentration per Run	0.1140 ppm	2.6751 ppm	0.9038 ppm	0.9993 ppm	1.9537 ppm	0.1066 ppm	0.6140 ppm
Concentration per Run	0.1163 ppm	2.7101 ppm	0.9083 ppm	1.0057 ppm	1.9904 ppm	0.1084 ppm	0.6195 ppm
Concentration per Run	0.1183 ppm	2.6873 ppm	0.9003 ppm	0.9985 ppm	1.9688 ppm	0.1088 ppm	0.6163 ppm
Concentration RSD	1.9 %	0.7 %	0.6 %	0.4 %	0.9 %	1.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7497 ppm	99.2537 %	100.3456 %	93.9614 %	107.4455 %	112.8193 %	107.5048 %
Concentration per Run	0.7475 ppm	99.2437 %	99.9822 %	93.8930 %	107.1003 %	112.6485 %	107.1197 %
Concentration per Run	0.7525 ppm	98.7001 %	100.1500 %	93.8750 %	107.1341 %	113.3495 %	107.5470 %
Concentration per Run	0.7492 ppm	99.8171 %	100.9047 %	94.1162 %	108.1020 %	112.4600 %	107.8475 %
Concentration RSD	0.3 %	0.6 %	0.5 %	0.1 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-10d10 WG2110788

Analysis started at: 9/11/2025 2:57:10 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	6.8533 ppm	0.0076 ppm	0.0201 ppm	0.0137 ppm	0.0005 ppm	1.0753 ppm
Concentration per Run	-0.0009 ppm	6.8156 ppm	0.0084 ppm	0.0207 ppm	0.0137 ppm	0.0004 ppm	1.0692 ppm
Concentration per Run	-0.0001 ppm	6.8515 ppm	0.0063 ppm	0.0206 ppm	0.0136 ppm	0.0004 ppm	1.0765 ppm
Concentration per Run	-0.0003 ppm	6.8929 ppm	0.0082 ppm	0.0190 ppm	0.0139 ppm	0.0005 ppm	1.0802 ppm
Concentration RSD	90.8 %	0.6 %	14.9 %	4.8 %	1.0 %	10.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0059 ppm	0.0150 ppm	0.0078 ppm	18.0237 ppm	2.8663 ppm	0.0231 ppm
Concentration per Run	0.0002 ppm	0.0063 ppm	0.0144 ppm	0.0078 ppm	17.7613 ppm	2.8856 ppm	0.0226 ppm
Concentration per Run	0.0001 ppm	0.0063 ppm	0.0151 ppm	0.0079 ppm	17.9798 ppm	2.8648 ppm	0.0233 ppm
Concentration per Run	0.0003 ppm	0.0052 ppm	0.0154 ppm	0.0076 ppm	18.3301 ppm	2.8486 ppm	0.0232 ppm
Concentration RSD	61.4 %	10.9 %	3.4 %	2.0 %	1.6 %	0.6 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.1225 ppm	0.2756 ppm	0.0023 ppm	3.3413 ppm	0.0132 ppm	0.0113 ppm	0.0010 ppm
Concentration per Run	4.1156 ppm	0.2746 ppm	0.0018 ppm	3.3351 ppm	0.0136 ppm	0.0100 ppm	0.0025 ppm
Concentration per Run	4.0915 ppm	0.2756 ppm	0.0029 ppm	3.3308 ppm	0.0128 ppm	0.0121 ppm	0.0018 ppm
Concentration per Run	4.1603 ppm	0.2766 ppm	0.0022 ppm	3.3579 ppm	0.0132 ppm	0.0118 ppm	-0.0012 ppm
Concentration RSD	0.8 %	0.4 %	23.0 %	0.4 %	2.8 %	10.0 %	188.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	0.2583 ppm	0.0016 ppm	0.0136 ppm	0.1488 ppm	0.0008 ppm	0.0196 ppm
Concentration per Run	0.0027 ppm	0.2585 ppm	0.0009 ppm	0.0135 ppm	0.1491 ppm	0.0001 ppm	0.0198 ppm
Concentration per Run	0.0029 ppm	0.2581 ppm	0.0028 ppm	0.0136 ppm	0.1473 ppm	0.0016 ppm	0.0193 ppm
Concentration per Run	0.0002 ppm	0.2603 ppm	0.0012 ppm	0.0136 ppm	0.1499 ppm	0.0005 ppm	0.0198 ppm
Concentration RSD	78.1 %	0.7 %	62.1 %	0.5 %	0.9 %	103.7 %	1.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0459 ppm	99.8814 %	98.3118 %	98.5804 %	99.5552 %	101.6070 %	99.2619 %
Concentration per Run	0.0460 ppm	99.6320 %	98.5093 %	98.4181 %	99.3897 %	102.7158 %	99.0287 %
Concentration per Run	0.0454 ppm	100.5808 %	97.9121 %	98.3453 %	99.8171 %	100.6947 %	99.0661 %
Concentration per Run	0.0462 ppm	99.4315 %	98.5139 %	98.9780 %	99.4587 %	101.4105 %	99.6908 %
Concentration RSD	0.9 %	0.6 %	0.4 %	0.4 %	0.2 %	1.0 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 2:59:16 PM

Analysis started at:

Comment: <Comment>

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5069 ppm	0.4768 ppm	0.4850 ppm	0.4826 ppm	0.4919 ppm	0.5067 ppm	0.4931 ppm
Concentration per Run	0.5045 ppm	0.4834 ppm	0.4829 ppm	0.4799 ppm	0.5066 ppm	0.4914 ppm	0.4914 ppm
Concentration per Run	0.5076 ppm	0.4749 ppm	0.4850 ppm	0.4830 ppm	0.4912 ppm	0.5070 ppm	0.4919 ppm
Concentration per Run	0.5086 ppm	0.4721 ppm	0.4870 ppm	0.4848 ppm	0.4930 ppm	0.5064 ppm	0.4960 ppm
Recovery Percentage	101.381 %	95.364 %	96.996 %	96.515 %	98.375 %	101.337 %	98.619 %
Concentration RSD	0.4 %	1.2 %	0.4 %	0.5 %	0.2 %	0.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5159 ppm	0.5086 ppm	0.5118 ppm	0.5227 ppm	0.5038 ppm	5.1728 ppm	0.5011 ppm
Concentration per Run	0.5121 ppm	0.5063 ppm	0.5092 ppm	0.5207 ppm	0.5026 ppm	5.2040 ppm	0.4978 ppm
Concentration per Run	0.5172 ppm	0.5077 ppm	0.5125 ppm	0.5238 ppm	0.5065 ppm	5.1141 ppm	0.5050 ppm
Concentration per Run	0.5183 ppm	0.5118 ppm	0.5136 ppm	0.5235 ppm	0.5022 ppm	5.2002 ppm	0.5006 ppm
Recovery Percentage	103.177 %	101.723 %	102.355 %	104.534 %	100.761 %	103.455 %	100.226 %
Concentration RSD	0.6 %	0.6 %	0.4 %	0.3 %	0.5 %	1.0 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5246 ppm	0.5063 ppm	0.4884 ppm	10.1845 ppm	0.5185 ppm	0.5079 ppm	0.5163 ppm
Concentration per Run	0.5229 ppm	0.5075 ppm	0.4852 ppm	10.2679 ppm	0.5155 ppm	0.5086 ppm	0.5137 ppm
Concentration per Run	0.5230 ppm	0.5040 ppm	0.4901 ppm	10.0296 ppm	0.5197 ppm	0.5069 ppm	0.5202 ppm
Concentration per Run	0.5279 ppm	0.5073 ppm	0.4899 ppm	10.2560 ppm	0.5203 ppm	0.5083 ppm	0.5151 ppm
Recovery Percentage	104.924 %	101.252 %	97.679 %	101.845 %	103.700 %	101.584 %	103.262 %
Concentration RSD	0.5 %	0.4 %	0.6 %	1.3 %	0.5 %	0.2 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4817 ppm	5.4180 ppm	0.4970 ppm	0.5005 ppm	0.5120 ppm	0.4901 ppm	0.5149 ppm
Concentration per Run	0.4804 ppm	5.3878 ppm	0.4962 ppm	0.4991 ppm	0.5084 ppm	0.4889 ppm	0.5124 ppm
Concentration per Run	0.4813 ppm	5.4298 ppm	0.4944 ppm	0.5004 ppm	0.5131 ppm	0.4907 ppm	0.5152 ppm
Concentration per Run	0.4834 ppm	5.4362 ppm	0.5005 ppm	0.5019 ppm	0.5145 ppm	0.4907 ppm	0.5169 ppm
Recovery Percentage	96.345 %	103.199 %	99.406 %	100.096 %	102.399 %	98.017 %	102.971 %
Concentration RSD	0.3 %	0.5 %	0.6 %	0.3 %	0.6 %	0.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4953 ppm	98.9365 %	97.6448 %	97.1733 %	97.3525 %	98.8481 %	96.2667 %
Concentration per Run	0.4922 ppm	99.1328 %	97.6861 %	97.3654 %	97.5904 %	100.2413 %	96.5105 %
Concentration per Run	0.4967 ppm	99.4545 %	97.8760 %	97.0306 %	97.7194 %	97.3379 %	96.1712 %
Concentration per Run	0.4969 ppm	98.2222 %	97.3723 %	97.1239 %	96.7477 %	98.9652 %	96.1185 %
Recovery Percentage	99.053 %						
Concentration RSD	0.5 %	0.6 %	0.3 %	0.2 %	0.5 %	1.5 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 3:01:22 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0010 ppm	-0.0006 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run	-0.0004 ppm	-0.0114 ppm	-0.0014 ppm	-0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0043 ppm
Concentration per Run	-0.0004 ppm	0.0120 ppm	0.0001 ppm	-0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run	-0.0005 ppm	0.0024 ppm	-0.0004 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	-0.0029 ppm
Recovery Percentage	-6.285 %	1.008 %	-11.692 %	0.523 %	-1.124 %	0.780 %	-3.171 %
Concentration RSD	17.3 %	1.167.8 %	132.3 %	735.1 %	38.7 %	44.9 %	31.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0003 ppm	0.0020 ppm	-0.0201 ppm	0.0018 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	-0.0003 ppm	-0.0006 ppm	0.0009 ppm	-0.0356 ppm	0.0020 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0005 ppm	-0.0001 ppm	0.0027 ppm	-0.0285 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0025 ppm	0.0037 ppm	0.0028 ppm
Recovery Percentage	1.642 %	0.832 %	-2.006 %	-3.085 %	4.088 %	-0.805 %	36.999 %
Concentration RSD	106.5 %	106.6 %	179.5 %	71.9 %	49.5 %	104.0 %	59.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0022 ppm	0.0000 ppm	0.0000 ppm	-0.0054 ppm	-0.0007 ppm	-0.0004 ppm	0.0009 ppm
Concentration per Run	-0.0035 ppm	0.0001 ppm	-0.0001 ppm	-0.0113 ppm	-0.0001 ppm	-0.0002 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0031 ppm	0.0000 ppm	-0.0001 ppm	-0.0038 ppm	-0.0020 ppm	-0.0009 ppm	0.0020 ppm
Recovery Percentage	-2.214 %	-0.100 %	-0.200 %	-0.268 %	-2.786 %	-3.684 %	1.739 %
Concentration RSD	87.5 %	1.263.0 %	60.4 %	100.3 %	160.4 %	126.4 %	115.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	0.0007 ppm	0.0011 ppm	-0.0001 ppm	-0.0012 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0032 ppm	-0.0006 ppm	0.0007 ppm	-0.0001 ppm	-0.0018 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run	0.0017 ppm	0.0000 ppm	0.0019 ppm	-0.0002 ppm	-0.0010 ppm	0.0014 ppm	-0.0003 ppm
Concentration per Run	0.0006 ppm	0.0026 ppm	0.0005 ppm	-0.0001 ppm	-0.0008 ppm	0.0007 ppm	0.0001 ppm
Recovery Percentage	18.369 %	0.134 %	2.103 %	-1.023 %	-12.136 %	5.042 %	-1.803 %
Concentration RSD	71.3 %	254.0 %	71.5 %	76.7 %	43.7 %	36.5 %	112.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.9888 %	96.0356 %	96.3036 %	98.2172 %	99.1869 %	96.2752 %
Concentration per Run	0.0002 ppm	96.3477 %	96.3313 %	95.6926 %	96.8058 %	99.4144 %	95.5261 %
Concentration per Run	0.0004 ppm	98.7731 %	96.6575 %	96.6575 %	99.1140 %	98.4055 %	96.7572 %
Concentration per Run	0.0000 ppm	98.8457 %	95.8805 %	96.5608 %	98.7317 %	99.7409 %	96.5423 %
Recovery Percentage	4.531 %	1.5 %	0.3 %	0.6 %	1.3 %	0.7 %	0.7 %
Concentration RSD	97.7 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553988-16d2 WG2110788

Analysis started at: 9/11/2025 3:09:49 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	60.5964 ppm	0.0193 ppm	0.0047 ppm	0.3649 ppm	0.0009 ppm	7.9741 ppm
Concentration per Run	-0.0005 ppm	60.4781 ppm	0.0193 ppm	0.0050 ppm	0.3621 ppm	0.0009 ppm	7.9691 ppm
Concentration per Run	0.0004 ppm	60.8534 ppm	0.0189 ppm	0.0062 ppm	0.3653 ppm	0.0009 ppm	7.9780 ppm
Concentration per Run	-0.0003 ppm	60.4576 ppm	0.0197 ppm	0.0030 ppm	0.3673 ppm	0.0009 ppm	7.9751 ppm
Concentration RSD	406.8 %	0.4 %	2.0 %	33.6 %	0.7 %	2.6 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0015 ppm	0.0767 ppm	0.0239 ppm	106.6309 ppm	1.6407 ppm	0.0062 ppm
Concentration per Run	0.0002 ppm	0.0012 ppm	0.0768 ppm	0.0237 ppm	105.5749 ppm	1.6442 ppm	0.0071 ppm
Concentration per Run	0.0003 ppm	0.0017 ppm	0.0772 ppm	0.0237 ppm	107.5653 ppm	1.6584 ppm	0.0067 ppm
Concentration per Run	0.0000 ppm	0.0016 ppm	0.0760 ppm	0.0243 ppm	106.7525 ppm	1.6194 ppm	0.0048 ppm
Concentration RSD	98.7 %	14.6 %	0.8 %	1.4 %	0.9 %	1.2 %	19.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.2108 ppm	0.0122 ppm	0.0017 ppm	0.0547 ppm	0.0050 ppm	0.0550 ppm	-0.0022 ppm
Concentration per Run	1.2091 ppm	0.0120 ppm	0.0019 ppm	0.0553 ppm	0.0046 ppm	0.0549 ppm	-0.0034 ppm
Concentration per Run	1.2122 ppm	0.0124 ppm	0.0020 ppm	0.0550 ppm	0.0049 ppm	0.0566 ppm	-0.0017 ppm
Concentration per Run	1.2112 ppm	0.0123 ppm	0.0012 ppm	0.0537 ppm	0.0054 ppm	0.0534 ppm	-0.0013 ppm
Concentration RSD	0.1 %	2.0 %	23.9 %	1.6 %	8.2 %	2.9 %	52.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0051 ppm	1.9693 ppm	0.0053 ppm	0.0479 ppm	0.1142 ppm	0.0001 ppm	0.2465 ppm
Concentration per Run	0.0051 ppm	1.9657 ppm	0.0049 ppm	0.0477 ppm	0.1143 ppm	0.0004 ppm	0.2465 ppm
Concentration per Run	0.0047 ppm	1.9779 ppm	0.0063 ppm	0.0481 ppm	0.1145 ppm	0.0004 ppm	0.2464 ppm
Concentration per Run	0.0054 ppm	1.9642 ppm	0.0048 ppm	0.0479 ppm	0.1138 ppm	-0.0004 ppm	0.2464 ppm
Concentration RSD	7.5 %	0.4 %	15.7 %	0.4 %	0.3 %	414.3 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0272 ppm	101.0298 %	101.0842 %	96.2757 %	106.8328 %	112.0511 %	107.1940 %
Concentration per Run	0.0274 ppm	101.6124 %	101.0098 %	96.2330 %	107.4705 %	111.7415 %	107.1393 %
Concentration per Run	0.0270 ppm	100.4458 %	100.5795 %	96.2474 %	106.1747 %	111.7055 %	107.5011 %
Concentration per Run	0.0272 ppm	101.0313 %	101.6633 %	96.3467 %	106.8531 %	112.7063 %	106.9415 %
Concentration RSD	0.8 %	0.6 %	0.5 %	0.1 %	0.6 %	0.5 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553988-20d2 WG2110788

Analysis started at: 9/11/2025 3:12:01 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0041 ppm	40.2870 ppm	0.1171 ppm	0.1378 ppm	1.0115 ppm	0.0062 ppm	40.8608 ppm
Concentration per Run	0.0043 ppm	40.3145 ppm	0.1183 ppm	0.1378 ppm	1.0143 ppm	0.0062 ppm	40.9150 ppm
Concentration per Run	0.0039 ppm	40.3069 ppm	0.1158 ppm	0.1379 ppm	1.0080 ppm	0.0061 ppm	40.9296 ppm
Concentration per Run	0.0042 ppm	40.2397 ppm	0.1170 ppm	0.1377 ppm	1.0124 ppm	0.0062 ppm	40.7371 ppm
Concentration RSD	4.9 %	0.1 %	1.1 %	0.1 %	0.3 %	0.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0118 ppm	0.0577 ppm	0.4961 ppm	1.3874 ppm	3.7808 ppm	0.0445 ppm	0.0445 ppm
Concentration per Run	0.0118 ppm	0.0573 ppm	0.4957 ppm	1.3869 ppm	3.7866 ppm	0.0456 ppm	0.0456 ppm
Concentration per Run	0.0119 ppm	0.0583 ppm	0.4962 ppm	1.3840 ppm	3.7597 ppm	0.0451 ppm	0.0451 ppm
Concentration per Run	0.0118 ppm	0.0575 ppm	0.4965 ppm	1.3913 ppm	3.7960 ppm	0.0427 ppm	0.0427 ppm
Concentration RSD	0.2 %	0.9 %	0.1 %	0.3 %	0.5 %	0.5 %	3.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.7715 ppm	2.7874 ppm	0.0442 ppm	1.4083 ppm	0.1310 ppm	8.7833 ppm	0.1828 ppm
Concentration per Run	3.7511 ppm	2.7949 ppm	0.0440 ppm	1.4067 ppm	0.1305 ppm	8.7863 ppm	0.1779 ppm
Concentration per Run	3.7651 ppm	2.7841 ppm	0.0445 ppm	1.4112 ppm	0.1319 ppm	8.7571 ppm	0.1822 ppm
Concentration per Run	3.7984 ppm	2.7833 ppm	0.0442 ppm	1.4069 ppm	0.1306 ppm	8.8065 ppm	0.1882 ppm
Concentration RSD	0.6 %	0.2 %	0.7 %	0.2 %	0.6 %	0.3 %	2.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0092 ppm	3.4222 ppm	0.2437 ppm	0.3908 ppm	1.4774 ppm	0.0024 ppm	0.1468 ppm
Concentration per Run	0.0119 ppm	3.4258 ppm	0.2445 ppm	0.3919 ppm	1.4700 ppm	0.0023 ppm	0.1457 ppm
Concentration per Run	0.0087 ppm	3.4265 ppm	0.2437 ppm	0.3899 ppm	1.4731 ppm	0.0021 ppm	0.1474 ppm
Concentration per Run	0.0069 ppm	3.4143 ppm	0.2428 ppm	0.3906 ppm	1.4892 ppm	0.0028 ppm	0.1473 ppm
Concentration RSD	27.7 %	0.2 %	0.4 %	0.3 %	0.7 %	14.8 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6968 ppm	100.1097 %	101.3616 %	92.5957 %	106.1766 %	111.8186 %	106.0909 %
Concentration per Run	1.6916 ppm	100.3106 %	101.7816 %	92.0532 %	106.3169 %	112.6840 %	105.5113 %
Concentration per Run	1.7007 ppm	100.3332 %	100.9909 %	93.0437 %	106.2456 %	111.0891 %	106.5839 %
Concentration per Run	1.6982 ppm	99.6854 %	101.3124 %	92.6902 %	105.9672 %	111.6826 %	106.1773 %
Concentration RSD	0.3 %	0.4 %	0.4 %	0.5 %	0.2 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553988-23d2 WG2110788

Analysis started at: 9/11/2025 3:14:06 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 9

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	65.3839 ppm	0.1668 ppm	0.1100 ppm	1.5388 ppm	0.0115 ppm	149.6814 ppm
Concentration per Run	0.0025 ppm	65.4938 ppm	0.1668 ppm	0.1097 ppm	1.5422 ppm	0.0115 ppm	149.6554 ppm
Concentration per Run	0.0021 ppm	65.3832 ppm	0.1645 ppm	0.1083 ppm	1.5369 ppm	0.0115 ppm	149.5393 ppm
Concentration per Run	0.0015 ppm	65.2745 ppm	0.1691 ppm	0.1120 ppm	1.5373 ppm	0.0115 ppm	149.8495 ppm
Concentration RSD	25.5 %	0.2 %	1.4 %	1.7 %	0.2 %	0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0052 ppm	0.0328 ppm	0.0595 ppm	0.9006 ppm	126.8458 ppm	8.5924 ppm	0.0954 ppm
Concentration per Run	0.0052 ppm	0.0329 ppm	0.0595 ppm	0.9048 ppm	127.4480 ppm	8.5991 ppm	0.0948 ppm
Concentration per Run	0.0053 ppm	0.0328 ppm	0.0593 ppm	0.8960 ppm	126.7246 ppm	8.5561 ppm	0.0963 ppm
Concentration per Run	0.0051 ppm	0.0327 ppm	0.0596 ppm	0.9009 ppm	126.3649 ppm	8.6218 ppm	0.0951 ppm
Concentration RSD	2.3 %	0.2 %	0.3 %	0.5 %	0.4 %	0.4 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.6650 ppm	2.3451 ppm	0.0133 ppm	0.9026 ppm	0.0702 ppm	3.4763 ppm	0.0313 ppm
Concentration per Run	14.7340 ppm	2.3468 ppm	0.0133 ppm	0.8975 ppm	0.0709 ppm	3.4785 ppm	0.0313 ppm
Concentration per Run	14.4118 ppm	2.3450 ppm	0.0130 ppm	0.9089 ppm	0.0690 ppm	3.4715 ppm	0.0310 ppm
Concentration per Run	14.8493 ppm	2.3434 ppm	0.0135 ppm	0.9013 ppm	0.0706 ppm	3.4789 ppm	0.0317 ppm
Concentration RSD	1.5 %	0.1 %	2.1 %	0.6 %	1.5 %	0.1 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	5.9769 ppm	0.1324 ppm	0.8286 ppm	1.3603 ppm	-0.0002 ppm	0.1123 ppm
Concentration per Run	-0.0007 ppm	6.0038 ppm	0.1326 ppm	0.8310 ppm	1.3644 ppm	0.0007 ppm	0.1124 ppm
Concentration per Run	0.0058 ppm	5.9441 ppm	0.1315 ppm	0.8269 ppm	1.3423 ppm	-0.0015 ppm	0.1115 ppm
Concentration per Run	0.0055 ppm	5.9828 ppm	0.1331 ppm	0.8279 ppm	1.3743 ppm	0.0000 ppm	0.1130 ppm
Concentration RSD	104.7 %	0.5 %	0.6 %	0.3 %	1.2 %	464.5 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.6671 ppm	99.5682 %	103.0146 %	93.5989 %	118.1455 %	127.5000 %	119.2017 %
Concentration per Run	2.6788 ppm	99.0289 %	103.0003 %	93.4491 %	117.5922 %	126.7572 %	119.0607 %
Concentration per Run	2.6443 ppm	100.7433 %	103.7024 %	94.3764 %	119.2873 %	128.9425 %	120.3741 %
Concentration per Run	2.6780 ppm	98.9324 %	102.3411 %	92.9711 %	117.5571 %	126.8002 %	118.1705 %
Concentration RSD	0.7 %	1.0 %	0.7 %	0.8 %	0.8 %	1.0 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-01d2 WG2110788

Analysis started at: 9/11/2025 3:16:11 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	58.6574 ppm	0.0178 ppm	0.0120 ppm	0.3464 ppm	0.0026 ppm	30.7425 ppm
Concentration per Run	0.0010 ppm	58.2000 ppm	0.0186 ppm	0.0112 ppm	0.3432 ppm	0.0026 ppm	30.4310 ppm
Concentration per Run	0.0002 ppm	59.4299 ppm	0.0174 ppm	0.0134 ppm	0.3498 ppm	0.0027 ppm	31.2600 ppm
Concentration per Run	0.0004 ppm	58.3424 ppm	0.0175 ppm	0.0115 ppm	0.3461 ppm	0.0026 ppm	30.5365 ppm
Concentration RSD	76.9 %	1.1 %	3.7 %	10.2 %	1.0 %	1.7 %	1.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0028 ppm	0.0478 ppm	0.1144 ppm	0.1459 ppm	112.3626 ppm	9.4326 ppm	0.0992 ppm
Concentration per Run	0.0029 ppm	0.0482 ppm	0.1148 ppm	0.1455 ppm	112.1867 ppm	9.3851 ppm	0.1001 ppm
Concentration per Run	0.0027 ppm	0.0477 ppm	0.1142 ppm	0.1460 ppm	113.2331 ppm	9.5019 ppm	0.1008 ppm
Concentration per Run	0.0028 ppm	0.0477 ppm	0.1141 ppm	0.1463 ppm	111.6679 ppm	9.4108 ppm	0.0969 ppm
Concentration RSD	3.1 %	0.6 %	0.3 %	0.3 %	0.7 %	0.7 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	32.3828 ppm	1.8676 ppm	0.0039 ppm	2.6403 ppm	0.1114 ppm	0.3133 ppm	0.0010 ppm
Concentration per Run	32.1338 ppm	1.8489 ppm	0.0034 ppm	2.6076 ppm	0.1098 ppm	0.3122 ppm	0.0032 ppm
Concentration per Run	32.3861 ppm	1.8932 ppm	0.0042 ppm	2.6738 ppm	0.1113 ppm	0.3136 ppm	0.0047 ppm
Concentration per Run	32.6284 ppm	1.8607 ppm	0.0042 ppm	2.6396 ppm	0.1131 ppm	0.3140 ppm	-0.0049 ppm
Concentration RSD	0.8 %	1.2 %	11.8 %	1.3 %	1.5 %	0.3 %	512.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	1.8929 ppm	0.0410 ppm	0.1026 ppm	1.6637 ppm	0.0005 ppm	0.1250 ppm
Concentration per Run	0.0007 ppm	1.8939 ppm	0.0422 ppm	0.1020 ppm	1.6550 ppm	0.0007 ppm	0.1244 ppm
Concentration per Run	0.0028 ppm	1.8821 ppm	0.0400 ppm	0.1036 ppm	1.6619 ppm	0.0005 ppm	0.1253 ppm
Concentration per Run	0.0003 ppm	1.9028 ppm	0.0408 ppm	0.1022 ppm	1.6741 ppm	0.0003 ppm	0.1255 ppm
Concentration RSD	107.8 %	0.5 %	2.7 %	0.9 %	0.6 %	48.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6247 ppm	99.2767 %	99.7006 %	94.7646 %	109.3547 %	113.9378 %	109.7848 %
Concentration per Run	1.6213 ppm	100.0696 %	101.1434 %	94.7138 %	110.0714 %	114.8771 %	109.5777 %
Concentration per Run	1.6232 ppm	99.6486 %	99.4747 %	95.0409 %	109.9044 %	112.0910 %	110.1350 %
Concentration per Run	1.6294 ppm	98.1118 %	99.4836 %	94.5391 %	108.0883 %	114.8451 %	109.6417 %
Concentration RSD	0.3 %	1.0 %	1.4 %	0.3 %	1.0 %	1.4 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-02d2 WG2110788

Analysis started at: 9/11/2025 3:18:16 PM

Comment <Comment>

Rack Number 2

Vial Numbers 11

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	88.3750 ppm	0.0191 ppm	0.0212 ppm	0.6921 ppm	0.0039 ppm	15.5713 ppm
Concentration per Run	0.0008 ppm	88.5193 ppm	0.0189 ppm	0.0215 ppm	0.6938 ppm	0.0039 ppm	15.5795 ppm
Concentration per Run	-0.0001 ppm	88.2470 ppm	0.0198 ppm	0.0202 ppm	0.6908 ppm	0.0038 ppm	15.5302 ppm
Concentration per Run	0.0008 ppm	88.3588 ppm	0.0187 ppm	0.0219 ppm	0.6918 ppm	0.0039 ppm	15.6042 ppm
Concentration RSD	97.6 %	0.2 %	3.0 %	4.4 %	0.2 %	1.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0746 ppm	0.1483 ppm	0.2218 ppm	160.2183 ppm	29.6851 ppm	0.1506 ppm
Concentration per Run	0.0005 ppm	0.0747 ppm	0.1481 ppm	0.2210 ppm	160.1348 ppm	29.6718 ppm	0.1516 ppm
Concentration per Run	0.0005 ppm	0.0741 ppm	0.1479 ppm	0.2218 ppm	159.7562 ppm	29.7407 ppm	0.1483 ppm
Concentration per Run	0.0005 ppm	0.0749 ppm	0.1490 ppm	0.2225 ppm	160.7638 ppm	29.6427 ppm	0.1520 ppm
Concentration RSD	7.2 %	0.6 %	0.4 %	0.4 %	0.3 %	0.2 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	39.1053 ppm	1.7466 ppm	0.0022 ppm	12.0263 ppm	0.1706 ppm	0.2150 ppm	-0.0003 ppm
Concentration per Run	39.1021 ppm	1.7447 ppm	0.0022 ppm	11.9963 ppm	0.1704 ppm	0.2140 ppm	-0.0073 ppm
Concentration per Run	39.0611 ppm	1.7480 ppm	0.0021 ppm	12.0574 ppm	0.1708 ppm	0.2149 ppm	0.0028 ppm
Concentration per Run	39.1526 ppm	1.7469 ppm	0.0024 ppm	12.0251 ppm	0.1705 ppm	0.2162 ppm	0.0034 ppm
Concentration RSD	0.1 %	0.1 %	6.3 %	0.3 %	0.1 %	0.5 %	1.723.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0029 ppm	1.7849 ppm	0.0127 ppm	0.0974 ppm	3.9389 ppm	0.0017 ppm	0.2064 ppm
Concentration per Run	0.0014 ppm	1.7815 ppm	0.0129 ppm	0.0978 ppm	3.9477 ppm	0.0012 ppm	0.2062 ppm
Concentration per Run	0.0048 ppm	1.7860 ppm	0.0126 ppm	0.0973 ppm	3.9391 ppm	0.0036 ppm	0.2062 ppm
Concentration per Run	0.0024 ppm	1.7872 ppm	0.0127 ppm	0.0971 ppm	3.9297 ppm	0.0003 ppm	0.2067 ppm
Concentration RSD	61.4 %	0.2 %	1.0 %	0.3 %	0.2 %	100.0 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4207 ppm	100.6953 %	101.7109 %	94.2325 %	114.5082 %	119.3037 %	113.9844 %
Concentration per Run	0.4186 ppm	100.9562 %	101.9695 %	93.9989 %	114.8256 %	119.4599 %	113.7479 %
Concentration per Run	0.4195 ppm	101.0135 %	101.5654 %	94.5791 %	114.9193 %	119.5653 %	114.1161 %
Concentration per Run	0.4241 ppm	100.1161 %	101.5978 %	94.1196 %	113.7798 %	118.8859 %	114.0892 %
Concentration RSD	0.7 %	0.5 %	0.2 %	0.3 %	0.6 %	0.3 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-05d2 WG2110788

Analysis started at: 9/11/2025 3:20:22 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 12

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	19.9416 ppm	0.0189 ppm	0.0292 ppm	0.1100 ppm	0.0012 ppm	29.8667 ppm
Concentration per Run	0.0000 ppm	19.9815 ppm	0.0176 ppm	0.0281 ppm	0.1103 ppm	0.0012 ppm	29.7636 ppm
Concentration per Run	0.0005 ppm	19.9332 ppm	0.0193 ppm	0.0295 ppm	0.1101 ppm	0.0012 ppm	29.8719 ppm
Concentration per Run	0.0000 ppm	19.9101 ppm	0.0197 ppm	0.0301 ppm	0.1097 ppm	0.0012 ppm	29.9646 ppm
Concentration RSD	227.5 %	0.2 %	6.0 %	3.4 %	0.3 %	1.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0222 ppm	0.0496 ppm	0.0452 ppm	53.4215 ppm	6.3143 ppm	0.0631 ppm
Concentration per Run	0.0002 ppm	0.0220 ppm	0.0496 ppm	0.0453 ppm	53.3215 ppm	6.3455 ppm	0.0636 ppm
Concentration per Run	0.0000 ppm	0.0219 ppm	0.0490 ppm	0.0449 ppm	53.3162 ppm	6.2939 ppm	0.0614 ppm
Concentration per Run	0.0001 ppm	0.0226 ppm	0.0503 ppm	0.0456 ppm	53.6269 ppm	6.3033 ppm	0.0643 ppm
Concentration RSD	71.6 %	1.7 %	1.3 %	0.7 %	0.3 %	0.4 %	2.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	26.3401 ppm	0.9566 ppm	0.0019 ppm	7.9129 ppm	0.0536 ppm	0.0304 ppm	-0.0002 ppm
Concentration per Run	26.0279 ppm	0.9576 ppm	0.0017 ppm	7.9941 ppm	0.0543 ppm	0.0311 ppm	0.0001 ppm
Concentration per Run	26.5280 ppm	0.9589 ppm	0.0021 ppm	7.9457 ppm	0.0531 ppm	0.0304 ppm	-0.0002 ppm
Concentration per Run	26.4644 ppm	0.9532 ppm	0.0018 ppm	7.7990 ppm	0.0536 ppm	0.0297 ppm	-0.0005 ppm
Concentration RSD	1.0 %	0.3 %	12.1 %	1.3 %	1.1 %	2.3 %	137.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0007 ppm	1.0075 ppm	0.0045 ppm	0.0624 ppm	0.7382 ppm	0.0013 ppm	0.0621 ppm
Concentration per Run	-0.0038 ppm	1.0035 ppm	0.0042 ppm	0.0626 ppm	0.7302 ppm	-0.0007 ppm	0.0618 ppm
Concentration per Run	0.0025 ppm	1.0104 ppm	0.0045 ppm	0.0623 ppm	0.7432 ppm	0.0028 ppm	0.0622 ppm
Concentration per Run	-0.0007 ppm	1.0088 ppm	0.0048 ppm	0.0623 ppm	0.7413 ppm	0.0016 ppm	0.0621 ppm
Concentration RSD	471.6 %	0.4 %	7.2 %	0.3 %	1.0 %	141.7 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1425 ppm	99.5585 %	99.3539 %	94.9413 %	103.6387 %	106.0157 %	102.1658 %
Concentration per Run	0.1415 ppm	99.5784 %	99.1703 %	95.0492 %	103.1043 %	106.7757 %	102.4431 %
Concentration per Run	0.1429 ppm	99.1382 %	99.7817 %	94.7510 %	103.6345 %	107.8166 %	101.6211 %
Concentration per Run	0.1430 ppm	99.9588 %	99.1096 %	95.0236 %	104.1773 %	103.4549 %	102.4333 %
Concentration RSD	0.6 %	0.4 %	0.4 %	0.2 %	0.5 %	2.1 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-07d2 WG2110788

Analysis started at: 9/11/2025 3:31:43 PM

Comment <Comment>

Rack Number 2

Vial Numbers 13

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0030 ppm	20.6351 ppm	0.0482 ppm	0.0323 ppm	0.2133 ppm	0.0012 ppm	120.7065 ppm
Concentration per Run	0.0030 ppm	20.6149 ppm	0.0475 ppm	0.0326 ppm	0.2136 ppm	0.0012 ppm	120.4739 ppm
Concentration per Run	0.0029 ppm	20.6618 ppm	0.0499 ppm	0.0310 ppm	0.2131 ppm	0.0012 ppm	120.8784 ppm
Concentration per Run	0.0032 ppm	20.6287 ppm	0.0471 ppm	0.0332 ppm	0.2131 ppm	0.0012 ppm	120.7672 ppm
Concentration RSD	5.0 %	0.1 %	3.2 %	3.4 %	0.1 %	2.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0310 ppm	0.2296 ppm	2.9761 ppm	123.6746 ppm	5.5571 ppm	0.0327 ppm
Concentration per Run	0.0001 ppm	0.0308 ppm	0.2299 ppm	2.9817 ppm	123.7166 ppm	5.5641 ppm	0.0331 ppm
Concentration per Run	0.0004 ppm	0.0308 ppm	0.2297 ppm	2.9831 ppm	123.7751 ppm	5.5413 ppm	0.0330 ppm
Concentration per Run	0.0003 ppm	0.0315 ppm	0.2291 ppm	2.9635 ppm	123.5320 ppm	5.5658 ppm	0.0321 ppm
Concentration RSD	49.5 %	1.2 %	0.2 %	0.4 %	0.1 %	0.2 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	58.0063 ppm	1.0102 ppm	0.0202 ppm	3.1259 ppm	0.0645 ppm	0.4964 ppm	0.0052 ppm
Concentration per Run	58.7587 ppm	1.0073 ppm	0.0200 ppm	3.1277 ppm	0.0640 ppm	0.4945 ppm	0.0058 ppm
Concentration per Run	58.3467 ppm	1.0110 ppm	0.0203 ppm	3.1135 ppm	0.0646 ppm	0.4987 ppm	0.0039 ppm
Concentration per Run	56.9134 ppm	1.0124 ppm	0.0205 ppm	3.1365 ppm	0.0650 ppm	0.4960 ppm	0.0061 ppm
Concentration RSD	1.7 %	0.3 %	1.3 %	0.4 %	0.8 %	0.4 %	22.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	1.8233 ppm	0.2045 ppm	0.1739 ppm	1.4729 ppm	0.0021 ppm	0.2304 ppm
Concentration per Run	0.0010 ppm	1.8408 ppm	0.2054 ppm	0.1741 ppm	1.4564 ppm	0.0020 ppm	0.2314 ppm
Concentration per Run	0.0063 ppm	1.8225 ppm	0.2042 ppm	0.1737 ppm	1.4792 ppm	0.0018 ppm	0.2311 ppm
Concentration per Run	0.0060 ppm	1.8067 ppm	0.2037 ppm	0.1739 ppm	1.4431 ppm	0.0026 ppm	0.2287 ppm
Concentration RSD	66.5 %	0.9 %	0.4 %	0.1 %	1.8 %	18.2 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5078 ppm	96.2211 %	97.6100 %	90.1186 %	102.0266 %	108.5194 %	100.7883 %
Concentration per Run	0.5089 ppm	95.5517 %	98.4008 %	90.0070 %	101.7224 %	108.5027 %	100.4341 %
Concentration per Run	0.5096 ppm	95.9226 %	97.4209 %	90.2022 %	101.7108 %	108.0074 %	100.9737 %
Concentration per Run	0.5050 ppm	97.1891 %	97.0083 %	90.1465 %	102.6466 %	109.0481 %	100.9570 %
Concentration RSD	0.5 %	0.9 %	0.7 %	0.1 %	0.5 %	0.5 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2553994-09d2 WG2110788

Analysis started at: 9/11/2025 3:33:55 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 14

	Ag 328.068	Al 396.152	As 189.042	B 208.959	Ba 455.403	Be 313.042	Ca 315.887
Concentration average	0.0000 ppm	35.6014 ppm	0.0125 ppm	0.0271 ppm	0.2548 ppm	0.0020 ppm	22.1199 ppm
Concentration per Run	-0.0001 ppm	35.5212 ppm	0.0125 ppm	0.0283 ppm	0.2539 ppm	0.0020 ppm	21.9781 ppm
Concentration per Run	-0.0002 ppm	35.6642 ppm	0.0125 ppm	0.0262 ppm	0.2554 ppm	0.0019 ppm	22.2354 ppm
Concentration per Run	0.0003 ppm	35.6189 ppm	0.0124 ppm	0.0269 ppm	0.2550 ppm	0.0020 ppm	22.1463 ppm
Concentration RSD	1.222.0 %	0.2 %	0.4 %	4.0 %	0.3 %	2.1 %	0.6 %

	Cd 214.438	Co 228.616	Cr 267.716	Cu 324.754	Fe 259.940	K 766.490	Li 670.776
Concentration average	0.0005 ppm	0.0336 ppm	0.0919 ppm	0.1051 ppm	74.8444 ppm	7.7261 ppm	0.0922 ppm
Concentration per Run	0.0005 ppm	0.0331 ppm	0.0915 ppm	0.1041 ppm	74.6270 ppm	7.7092 ppm	0.0922 ppm
Concentration per Run	0.0005 ppm	0.0337 ppm	0.0922 ppm	0.1054 ppm	75.2625 ppm	7.7174 ppm	0.0937 ppm
Concentration per Run	0.0004 ppm	0.0340 ppm	0.0920 ppm	0.1058 ppm	74.6436 ppm	7.7518 ppm	0.0906 ppm
Concentration RSD	9.2 %	1.3 %	0.4 %	0.8 %	0.5 %	0.3 %	1.7 %

	Mg 279.079	Mn 257.610	Mo 202.030	Na 589.592	Ni 231.604	Pb 220.353	Sb 206.833
Concentration average	29.8462 ppm	0.9935 ppm	0.0028 ppm	10.7081 ppm	0.0810 ppm	0.1151 ppm	-0.0012 ppm
Concentration per Run	30.1002 ppm	0.9937 ppm	0.0029 ppm	10.7164 ppm	0.0815 ppm	0.1151 ppm	0.0010 ppm
Concentration per Run	29.9686 ppm	0.9953 ppm	0.0027 ppm	10.6922 ppm	0.0811 ppm	0.1150 ppm	-0.0033 ppm
Concentration per Run	29.4696 ppm	0.9916 ppm	0.0027 ppm	10.7157 ppm	0.0803 ppm	0.1152 ppm	-0.0013 ppm
Concentration RSD	1.1 %	0.2 %	3.5 %	0.1 %	0.7 %	0.1 %	184.3 %

	Se 196.090	Si 212.412	Sn 189.989	Sr 421.552	Ti 334.904	Tl 190.856	V 292.402
Concentration average	0.0029 ppm	1.3934 ppm	0.0094 ppm	0.0782 ppm	1.4490 ppm	0.0007 ppm	0.1091 ppm
Concentration per Run	0.0014 ppm	1.3942 ppm	0.0096 ppm	0.0783 ppm	1.4613 ppm	0.0013 ppm	0.1084 ppm
Concentration per Run	0.0061 ppm	1.3994 ppm	0.0100 ppm	0.0785 ppm	1.4585 ppm	0.0010 ppm	0.1095 ppm
Concentration per Run	0.0013 ppm	1.3867 ppm	0.0086 ppm	0.0779 ppm	1.4272 ppm	-0.0003 ppm	0.1093 ppm
Concentration RSD	94.8 %	0.5 %	7.3 %	0.4 %	1.3 %	122.8 %	0.5 %

	Zn 206.200	Sc 361.384	Sc 361.384	Sc 227.318	Y 360.073	Y 371.030	Y 224.306
Concentration average	0.2639 ppm	98.6683 %	99.1094 %	94.4418 %	106.5858 %	109.3217 %	105.8318 %
Concentration per Run	0.2612 ppm	98.4091 %	99.1554 %	94.4958 %	106.2081 %	110.9210 %	106.1036 %
Concentration per Run	0.2655 ppm	98.7541 %	99.3364 %	93.9709 %	107.0079 %	108.6708 %	105.3970 %
Concentration per Run	0.2649 ppm	98.8418 %	98.8363 %	94.8586 %	106.5413 %	108.3731 %	105.9949 %
Concentration RSD	0.9 %	0.2 %	0.3 %	0.5 %	0.4 %	1.3 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2554022-01d2 WG2110788

Analysis started at: 9/11/2025 3:36:01 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 19

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0049 ppm	5.9895 ppm	0.0075 ppm	0.0492 ppm	0.4625 ppm	0.0005 ppm	66.1710 ppm
Concentration per Run	0.0048 ppm	6.0252 ppm	0.0082 ppm	0.0492 ppm	0.4641 ppm	0.0005 ppm	66.2563 ppm
Concentration per Run	0.0047 ppm	5.9893 ppm	0.0075 ppm	0.0488 ppm	0.4624 ppm	0.0005 ppm	66.1887 ppm
Concentration per Run	0.0052 ppm	5.9541 ppm	0.0069 ppm	0.0496 ppm	0.4611 ppm	0.0005 ppm	66.0679 ppm
Concentration RSD	5.9 %	0.6 %	9.1 %	0.8 %	0.3 %	6.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0027 ppm	0.0139 ppm	0.0460 ppm	1.5328 ppm	56.0272 ppm	3.1437 ppm	0.0003 ppm
Concentration per Run	0.0027 ppm	0.0140 ppm	0.0456 ppm	1.5324 ppm	56.3950 ppm	3.2017 ppm	0.0005 ppm
Concentration per Run	0.0027 ppm	0.0137 ppm	0.0469 ppm	1.5437 ppm	55.9213 ppm	3.0955 ppm	-0.0008 ppm
Concentration per Run	0.0027 ppm	0.0139 ppm	0.0454 ppm	1.5224 ppm	55.7652 ppm	3.1338 ppm	0.0009 ppm
Concentration RSD	0.8 %	1.1 %	1.7 %	0.7 %	0.6 %	1.7 %	250.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.2005 ppm	7.6289 ppm	0.0179 ppm	4.5246 ppm	0.0391 ppm	0.1016 ppm	0.0036 ppm
Concentration per Run	5.2146 ppm	7.6625 ppm	0.0178 ppm	4.5341 ppm	0.0397 ppm	0.1017 ppm	0.0015 ppm
Concentration per Run	5.2557 ppm	7.6130 ppm	0.0180 ppm	4.5131 ppm	0.0388 ppm	0.1015 ppm	0.0034 ppm
Concentration per Run	5.1312 ppm	7.6113 ppm	0.0180 ppm	4.5265 ppm	0.0387 ppm	0.1018 ppm	0.0058 ppm
Concentration RSD	1.2 %	0.4 %	0.7 %	0.2 %	1.5 %	0.1 %	59.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0119 ppm	2.1945 ppm	0.0801 ppm	0.2230 ppm	0.1384 ppm	0.0007 ppm	0.0617 ppm
Concentration per Run	0.0107 ppm	2.2001 ppm	0.0791 ppm	0.2242 ppm	0.1376 ppm	0.0013 ppm	0.0615 ppm
Concentration per Run	0.0117 ppm	2.1920 ppm	0.0784 ppm	0.2222 ppm	0.1385 ppm	0.0004 ppm	0.0619 ppm
Concentration per Run	0.0131 ppm	2.1912 ppm	0.0829 ppm	0.2225 ppm	0.1389 ppm	0.0003 ppm	0.0617 ppm
Concentration RSD	10.2 %	0.2 %	3.0 %	0.5 %	0.5 %	81.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.9091 ppm	100.4196 %	99.7487 %	95.5339 %	100.8968 %	104.1973 %	99.7296 %
Concentration per Run	1.9075 ppm	100.4130 %	99.5601 %	95.5692 %	100.9079 %	104.2804 %	99.8569 %
Concentration per Run	1.9214 ppm	99.6109 %	100.4823 %	95.2223 %	100.3768 %	104.3796 %	99.6577 %
Concentration per Run	1.8984 ppm	101.2350 %	99.2037 %	95.8102 %	101.4058 %	103.9321 %	99.6743 %
Concentration RSD	0.6 %	0.8 %	0.7 %	0.3 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 3:38:06 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5050 ppm	0.4767 ppm	0.4844 ppm	0.4778 ppm	0.4911 ppm	0.5067 ppm	0.4893 ppm
Concentration per Run	0.5051 ppm	0.4745 ppm	0.4866 ppm	0.4738 ppm	0.4918 ppm	0.5066 ppm	0.4917 ppm
Concentration per Run	0.5056 ppm	0.4783 ppm	0.4828 ppm	0.4782 ppm	0.4924 ppm	0.5084 ppm	0.4890 ppm
Concentration per Run	0.5044 ppm	0.4773 ppm	0.4839 ppm	0.4813 ppm	0.4890 ppm	0.5052 ppm	0.4887 ppm
Recovery Percentage	101.003 %	95.340 %	96.887 %	95.555 %	98.212 %	101.347 %	97.960 %
Concentration RSD	0.1 %	0.4 %	0.4 %	0.8 %	0.4 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5154 ppm	0.5068 ppm	0.5118 ppm	0.5205 ppm	0.4999 ppm	5.1568 ppm	0.4891 ppm
Concentration per Run	0.5144 ppm	0.5063 ppm	0.5119 ppm	0.5191 ppm	0.5030 ppm	5.1647 ppm	0.4948 ppm
Concentration per Run	0.5159 ppm	0.5084 ppm	0.5106 ppm	0.5200 ppm	0.5023 ppm	5.1845 ppm	0.4948 ppm
Concentration per Run	0.5160 ppm	0.5088 ppm	0.5129 ppm	0.5226 ppm	0.4944 ppm	5.1212 ppm	0.4776 ppm
Recovery Percentage	103.085 %	101.363 %	102.355 %	104.107 %	99.984 %	103.136 %	97.810 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.3 %	1.0 %	0.6 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5229 ppm	0.5061 ppm	0.4860 ppm	10.2291 ppm	0.5155 ppm	0.5073 ppm	0.5105 ppm
Concentration per Run	0.5185 ppm	0.5062 ppm	0.4862 ppm	10.2411 ppm	0.5127 ppm	0.5082 ppm	0.5065 ppm
Concentration per Run	0.5293 ppm	0.5062 ppm	0.4861 ppm	10.2173 ppm	0.5156 ppm	0.5078 ppm	0.5090 ppm
Concentration per Run	0.5209 ppm	0.5058 ppm	0.4856 ppm	10.2289 ppm	0.5182 ppm	0.5059 ppm	0.5160 ppm
Recovery Percentage	104.580 %	101.214 %	97.198 %	102.291 %	103.099 %	101.463 %	102.096 %
Concentration RSD	1.1 %	0.0 %	0.1 %	0.1 %	0.5 %	0.2 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4795 ppm	5.4050 ppm	0.4983 ppm	0.4965 ppm	0.5106 ppm	0.4905 ppm	0.5143 ppm
Concentration per Run	0.4794 ppm	5.3974 ppm	0.4992 ppm	0.4964 ppm	0.5110 ppm	0.4912 ppm	0.5136 ppm
Concentration per Run	0.4781 ppm	5.3979 ppm	0.4986 ppm	0.4992 ppm	0.5125 ppm	0.4901 ppm	0.5148 ppm
Concentration per Run	0.4811 ppm	5.4196 ppm	0.4991 ppm	0.4940 ppm	0.5084 ppm	0.4902 ppm	0.5147 ppm
Recovery Percentage	95.910 %	102.952 %	99.661 %	99.302 %	102.129 %	98.095 %	102.863 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.5 %	0.4 %	0.1 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4927 ppm	99.7667 %	97.9083 %	97.7107 %	98.3784 %	99.7550 %	96.4541 %
Concentration per Run	0.4922 ppm	100.0821 %	97.5013 %	97.4077 %	98.3700 %	98.4562 %	96.1259 %
Concentration per Run	0.4916 ppm	99.5638 %	97.6668 %	97.6668 %	98.4749 %	100.5097 %	96.3090 %
Concentration per Run	0.4944 ppm	99.6542 %	97.9207 %	98.0575 %	98.2902 %	100.2992 %	96.9274 %
Recovery Percentage	98.545 %						
Concentration RSD	0.3 %	0.3 %	0.4 %	0.3 %	0.1 %	1.1 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 3:40:12 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	-0.0068 ppm	0.0015 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0039 ppm
Concentration per Run	0.0001 ppm	-0.0055 ppm	-0.0020 ppm	0.0017 ppm	-0.0002 ppm	0.0000 ppm	-0.0047 ppm
Concentration per Run	0.0005 ppm	-0.0101 ppm	0.0031 ppm	-0.0006 ppm	-0.0003 ppm	0.0000 ppm	-0.0078 ppm
Concentration per Run	-0.0003 ppm	-0.0048 ppm	0.0032 ppm	-0.0009 ppm	-0.0003 ppm	0.0001 ppm	0.0008 ppm
Recovery Percentage	1.187 %	-6.793 %	29.036 %	0.273 %	-2.399 %	0.722 %	-3.909 %
Concentration RSD	496.5 %	42.4 %	207.7 %	1.725.5 %	18.9 %	119.9 %	112.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0006 ppm	-0.0001 ppm	-0.0003 ppm	0.0029 ppm	-0.0086 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	-0.0005 ppm	-0.0006 ppm	0.0021 ppm	-0.0055 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0002 ppm	-0.0003 ppm	0.0047 ppm	-0.0003 ppm	-0.0015 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0001 ppm	-0.0001 ppm	0.0018 ppm	-0.0198 ppm	-0.0007 ppm
Recovery Percentage	0.675 %	2.947 %	-0.753 %	-2.765 %	5.717 %	-0.342 %	-13.644 %
Concentration RSD	160.7 %	33.8 %	502.6 %	129.5 %	55.2 %	118.1 %	130.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0011 ppm	0.0000 ppm	0.0000 ppm	-0.0083 ppm	0.0000 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run	-0.0009 ppm	-0.0001 ppm	0.0003 ppm	0.0012 ppm	-0.0008 ppm	0.0003 ppm	0.0031 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0175 ppm	0.0007 ppm	0.0040 ppm	0.0040 ppm
Concentration per Run	-0.0023 ppm	0.0001 ppm	0.0004 ppm	-0.0087 ppm	0.0001 ppm	0.0002 ppm	-0.0018 ppm
Recovery Percentage	-1.068 %	-0.433 %	0.520 %	-0.416 %	0.123 %	-0.240 %	3.526 %
Concentration RSD	105.6 %	258.6 %	76.2 %	112.3 %	2.480.1 %	1.129.3 %	177.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	0.0005 ppm	0.0012 ppm	-0.0002 ppm	-0.0014 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run	0.0027 ppm	0.0019 ppm	0.0024 ppm	-0.0001 ppm	-0.0016 ppm	0.0026 ppm	-0.0004 ppm
Concentration per Run	0.0062 ppm	-0.0013 ppm	0.0015 ppm	-0.0001 ppm	-0.0013 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	-0.0006 ppm	0.0008 ppm	-0.0002 ppm	-0.0003 ppm	-0.0013 ppm	0.0012 ppm	-0.0001 ppm
Recovery Percentage	27.911 %	0.091 %	2.429 %	-1.619 %	-14.061 %	6.546 %	-1.934 %
Concentration RSD	121.1 %	355.3 %	107.7 %	57.8 %	14.1 %	94.0 %	83.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.4884 %	96.5346 %	96.4036 %	98.8378 %	98.8583 %	96.5831 %
Concentration per Run	0.0002 ppm	97.4661 %	96.9428 %	96.4349 %	98.5331 %	99.1355 %	96.6457 %
Concentration per Run	0.0001 ppm	97.5787 %	96.0689 %	96.3345 %	99.3702 %	98.5083 %	96.5978 %
Concentration per Run	0.0004 ppm	97.4205 %	96.5921 %	96.4414 %	98.6102 %	98.9310 %	96.5057 %
Recovery Percentage	4.838 %						
Concentration RSD	60.0 %	0.1 %	0.5 %	0.1 %	0.5 %	0.3 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 4:03:17 PM

Analysis started at:

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Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5042 ppm	0.4707 ppm	0.4846 ppm	0.4783 ppm	0.4931 ppm	0.5075 ppm	0.4933 ppm
Concentration per Run	0.5065 ppm	0.4703 ppm	0.4796 ppm	0.4798 ppm	0.4927 ppm	0.5066 ppm	0.4928 ppm
Concentration per Run	0.5026 ppm	0.4691 ppm	0.4892 ppm	0.4777 ppm	0.4909 ppm	0.5060 ppm	0.4917 ppm
Concentration per Run	0.5035 ppm	0.4729 ppm	0.4850 ppm	0.4776 ppm	0.4957 ppm	0.5099 ppm	0.4954 ppm
Recovery Percentage	100.835 %	94.149 %	96.920 %	95.670 %	98.619 %	101.500 %	98.662 %
Concentration RSD	0.4 %	0.4 %	1.0 %	0.3 %	0.5 %	0.4 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5162 ppm	0.5077 ppm	0.5119 ppm	0.5206 ppm	0.5005 ppm	5.1608 ppm	0.4935 ppm
Concentration per Run	0.5186 ppm	0.5075 ppm	0.5130 ppm	0.5221 ppm	0.5032 ppm	5.1925 ppm	0.4985 ppm
Concentration per Run	0.5137 ppm	0.5085 ppm	0.5110 ppm	0.5179 ppm	0.4975 ppm	5.1046 ppm	0.4854 ppm
Concentration per Run	0.5164 ppm	0.5073 ppm	0.5116 ppm	0.5220 ppm	0.5010 ppm	5.1854 ppm	0.4965 ppm
Recovery Percentage	103.245 %	101.550 %	102.373 %	104.128 %	100.109 %	103.217 %	98.698 %
Concentration RSD	0.5 %	0.1 %	0.2 %	0.5 %	0.6 %	0.9 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5258 ppm	0.5058 ppm	0.4877 ppm	10.1829 ppm	0.5149 ppm	0.5076 ppm	0.5117 ppm
Concentration per Run	0.5300 ppm	0.5067 ppm	0.4894 ppm	10.1428 ppm	0.5160 ppm	0.5078 ppm	0.5103 ppm
Concentration per Run	0.5243 ppm	0.5049 ppm	0.4846 ppm	10.1934 ppm	0.5146 ppm	0.5067 ppm	0.5113 ppm
Concentration per Run	0.5232 ppm	0.5060 ppm	0.4892 ppm	10.2124 ppm	0.5143 ppm	0.5083 ppm	0.5133 ppm
Recovery Percentage	105.168 %	101.170 %	97.544 %	101.829 %	102.989 %	101.520 %	102.331 %
Concentration RSD	0.7 %	0.2 %	0.6 %	0.4 %	0.2 %	0.2 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4812 ppm	5.3950 ppm	0.4996 ppm	0.4986 ppm	0.5104 ppm	0.4884 ppm	0.5145 ppm
Concentration per Run	0.4830 ppm	5.3940 ppm	0.4976 ppm	0.4987 ppm	0.5170 ppm	0.4901 ppm	0.5153 ppm
Concentration per Run	0.4771 ppm	5.3874 ppm	0.4991 ppm	0.4973 ppm	0.5074 ppm	0.4887 ppm	0.5122 ppm
Concentration per Run	0.4836 ppm	5.4037 ppm	0.5019 ppm	0.5000 ppm	0.5069 ppm	0.4863 ppm	0.5159 ppm
Recovery Percentage	96.239 %	102.762 %	99.911 %	99.729 %	102.089 %	97.672 %	102.901 %
Concentration RSD	0.7 %	0.2 %	0.4 %	0.3 %	1.1 %	0.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4928 ppm	99.6066 %	99.3442 %	97.9684 %	98.1609 %	100.4309 %	96.6659 %
Concentration per Run	0.4931 ppm	99.2750 %	99.8300 %	98.0864 %	97.9758 %	100.1870 %	96.9763 %
Concentration per Run	0.4916 ppm	99.8710 %	99.6703 %	97.7401 %	98.2823 %	99.2494 %	96.3629 %
Concentration per Run	0.4938 ppm	99.6738 %	99.5324 %	98.0786 %	98.2246 %	101.8564 %	96.6584 %
Recovery Percentage	98.567 %						
Concentration RSD	0.2 %	0.3 %	0.6 %	0.2 %	0.2 %	1.3 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 4:05:33 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0066 ppm	0.0013 ppm	0.0006 ppm	-0.0002 ppm	0.0001 ppm	-0.0062 ppm
Concentration per Run	-0.0004 ppm	-0.0049 ppm	0.0011 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0073 ppm
Concentration per Run	-0.0003 ppm	-0.0096 ppm	0.0017 ppm	0.0008 ppm	-0.0004 ppm	0.0001 ppm	-0.0057 ppm
Concentration per Run	-0.0001 ppm	-0.0052 ppm	0.0011 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0057 ppm
Recovery Percentage	-3.715 %	-6.583 %	25.767 %	1.885 %	-2.290 %	1.278 %	-6.198 %
Concentration RSD	64.4 %	40.3 %	24.7 %	74.4 %	58.3 %	43.8 %	14.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0003 ppm	-0.0003 ppm	-0.0007 ppm	0.0023 ppm	-0.0243 ppm	-0.0003 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	0.0001 ppm	-0.0007 ppm	0.0029 ppm	-0.0260 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0006 ppm	-0.0007 ppm	0.0018 ppm	-0.0385 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0004 ppm	-0.0008 ppm	0.0022 ppm	-0.0084 ppm	-0.0009 ppm
Recovery Percentage	2.049 %	1.404 %	-2.782 %	-7.100 %	4.611 %	-0.972 %	-6.611 %
Concentration RSD	59.2 %	23.1 %	135.2 %	5.2 %	24.5 %	62.3 %	159.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0105 ppm	-0.0007 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run	-0.0024 ppm	0.0000 ppm	0.0001 ppm	-0.0078 ppm	-0.0006 ppm	0.0013 ppm	-0.0006 ppm
Concentration per Run	-0.0015 ppm	0.0000 ppm	0.0005 ppm	-0.0099 ppm	-0.0010 ppm	0.0002 ppm	-0.0014 ppm
Concentration per Run	-0.0030 ppm	-0.0001 ppm	-0.0005 ppm	-0.0138 ppm	-0.0006 ppm	-0.0012 ppm	-0.0005 ppm
Recovery Percentage	-2.320 %	-0.464 %	0.056 %	-0.526 %	-2.857 %	1.228 %	-1.600 %
Concentration RSD	31.8 %	65.2 %	1.932.8 %	28.6 %	34.1 %	1,038.5 %	61.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0033 ppm	-0.0008 ppm	0.0012 ppm	-0.0002 ppm	-0.0015 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	0.0033 ppm	0.0004 ppm	0.0009 ppm	-0.0002 ppm	-0.0019 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0008 ppm	-0.0012 ppm	0.0016 ppm	-0.0002 ppm	-0.0015 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0059 ppm	-0.0017 ppm	0.0011 ppm	-0.0001 ppm	-0.0012 ppm	-0.0003 ppm	-0.0002 ppm
Recovery Percentage	33.097 %	-0.164 %	2.412 %	-1.721 %	-15.089 %	3.200 %	-0.130 %
Concentration RSD	77.8 %	128.9 %	28.0 %	31.7 %	21.6 %	121.9 %	1,208.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	97.9628 %	97.5081 %	97.1265 %	99.0635 %	101.3717 %	96.8379 %
Concentration per Run	0.0007 ppm	97.9319 %	96.9544 %	97.3133 %	98.8022 %	100.7440 %	97.1883 %
Concentration per Run	0.0001 ppm	97.8332 %	97.4918 %	97.3422 %	99.3422 %	101.5110 %	96.9710 %
Concentration per Run	0.0001 ppm	97.3909 %	97.7368 %	96.5743 %	99.0460 %	101.8601 %	96.3544 %
Recovery Percentage	5.930 %						
Concentration RSD	115.7 %	0.6 %	0.5 %	0.5 %	0.3 %	0.6 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: LLOQ 005 AS
Analysis started at: 9/11/2025 4:11:05 PM
Comment: <Comment>
Rack Number: 2
Vial Numbers: 20

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0048 ppm	-0.0012 ppm	0.0057 ppm	0.0053 ppm	0.0048 ppm	0.0050 ppm	0.0071 ppm
Concentration per Run	0.0046 ppm	-0.0075 ppm	0.0039 ppm	0.0075 ppm	0.0039 ppm	0.0050 ppm	0.0062 ppm
Concentration per Run	0.0045 ppm	0.0036 ppm	0.0062 ppm	0.0043 ppm	0.0049 ppm	0.0051 ppm	0.0125 ppm
Concentration per Run	0.0054 ppm	0.0003 ppm	0.0069 ppm	0.0053 ppm	0.0047 ppm	0.0050 ppm	0.0025 ppm
Recovery Percentage	96.793 %	0.000 %	113.231 %	0.000 %	0.000 %	100.811 %	0.000 %
Concentration RSD	9.4 %	489.0 %	27.7 %	18.3 %	2.0 %	1.0 %	71.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0053 ppm	0.0059 ppm	0.0051 ppm	0.0045 ppm	0.0062 ppm	0.0365 ppm	0.0041 ppm
Concentration per Run	0.0053 ppm	0.0060 ppm	0.0052 ppm	0.0047 ppm	0.0059 ppm	0.0166 ppm	0.0045 ppm
Concentration per Run	0.0053 ppm	0.0059 ppm	0.0054 ppm	0.0044 ppm	0.0063 ppm	0.0347 ppm	0.0046 ppm
Concentration per Run	0.0053 ppm	0.0057 ppm	0.0048 ppm	0.0043 ppm	0.0062 ppm	0.0584 ppm	0.0033 ppm
Recovery Percentage	106.143 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	0.5 %	2.4 %	6.4 %	4.6 %	3.5 %	57.4 %	18.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0067 ppm	0.0052 ppm	0.0049 ppm	0.0080 ppm	0.0053 ppm	0.0058 ppm	0.0049 ppm
Concentration per Run	0.0071 ppm	0.0051 ppm	0.0048 ppm	0.0069 ppm	0.0054 ppm	0.0047 ppm	0.0042 ppm
Concentration per Run	0.0052 ppm	0.0053 ppm	0.0052 ppm	0.1031 ppm	0.0056 ppm	0.0061 ppm	0.0048 ppm
Concentration per Run	0.0080 ppm	0.0052 ppm	0.0047 ppm	0.0940 ppm	0.0050 ppm	0.0065 ppm	0.0058 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	21.3 %	1.6 %	5.0 %	4.8 %	6.3 %	15.8 %	16.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0062 ppm	0.0524 ppm	0.0060 ppm	0.0049 ppm	0.0037 ppm	0.0060 ppm	0.0048 ppm
Concentration per Run	0.0045 ppm	0.0527 ppm	0.0061 ppm	0.0049 ppm	0.0035 ppm	0.0067 ppm	0.0047 ppm
Concentration per Run	0.0074 ppm	0.0519 ppm	0.0058 ppm	0.0050 ppm	0.0039 ppm	0.0052 ppm	0.0051 ppm
Concentration per Run	0.0067 ppm	0.0527 ppm	0.0060 ppm	0.0049 ppm	0.0038 ppm	0.0062 ppm	0.0047 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	24.1 %	0.9 %	2.2 %	1.4 %	5.7 %	13.1 %	4.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0058 ppm	98.2821 %	97.6524 %	97.2858 %	99.1083 %	100.7604 %	97.1621 %
Concentration per Run	0.0055 ppm	98.2338 %	97.4664 %	97.7297 %	98.9368 %	101.5353 %	97.4497 %
Concentration per Run	0.0057 ppm	98.2563 %	97.5507 %	97.5507 %	99.2367 %	101.1168 %	97.6872 %
Concentration per Run	0.0055 ppm	98.3561 %	97.5159 %	96.5770 %	99.1515 %	99.6292 %	96.3494 %
Recovery Percentage	111.551 %	0.1 %	0.3 %	0.6 %	0.2 %	1.0 %	0.7 %
Concentration RSD	1.9 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553987-06 WG2108398

Analysis started at: 9/11/2025 4:23:56 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 21

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.1281 ppm	0.0002 ppm	0.0098 ppm	0.1626 ppm	0.0004 ppm	1.4528 ppm
Concentration per Run	-0.0005 ppm	0.1224 ppm	-0.0041 ppm	0.0111 ppm	0.1633 ppm	0.0004 ppm	1.4515 ppm
Concentration per Run	-0.0006 ppm	0.1268 ppm	0.0040 ppm	0.0102 ppm	0.1616 ppm	0.0005 ppm	1.4517 ppm
Concentration per Run	0.0001 ppm	0.1349 ppm	0.0007 ppm	0.0081 ppm	0.1628 ppm	0.0004 ppm	1.4552 ppm
Concentration RSD	112.3 %	4.9 %	2.040.1 %	15.6 %	0.5 %	9.5 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0013 ppm	0.0038 ppm	-0.0003 ppm	0.0151 ppm	0.0149 ppm	0.9798 ppm	0.0025 ppm
Concentration per Run	0.0013 ppm	0.0041 ppm	-0.0004 ppm	0.0153 ppm	0.0141 ppm	0.9991 ppm	0.0014 ppm
Concentration per Run	0.0012 ppm	0.0039 ppm	-0.0001 ppm	0.0150 ppm	0.0156 ppm	0.9424 ppm	0.0035 ppm
Concentration per Run	0.0013 ppm	0.0035 ppm	-0.0005 ppm	0.0151 ppm	0.0148 ppm	0.9978 ppm	0.0026 ppm
Concentration RSD	6.7 %	8.2 %	56.1 %	1.0 %	5.1 %	3.3 %	40.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.7361 ppm	0.0899 ppm	0.0001 ppm	1.4899 ppm	0.0087 ppm	0.0010 ppm	-0.0010 ppm
Concentration per Run	0.7412 ppm	0.0902 ppm	-0.0005 ppm	1.4991 ppm	0.0091 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run	0.7337 ppm	0.0897 ppm	0.0003 ppm	1.4843 ppm	0.0086 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run	0.7334 ppm	0.0899 ppm	0.0003 ppm	1.4864 ppm	0.0086 ppm	0.0014 ppm	0.0003 ppm
Concentration RSD	0.6 %	0.3 %	902.0 %	0.5 %	3.4 %	85.4 %	199.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	4.6576 ppm	0.0002 ppm	0.0087 ppm	-0.0015 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0009 ppm	4.6734 ppm	-0.0007 ppm	0.0087 ppm	-0.0013 ppm	0.0023 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	4.6424 ppm	0.0002 ppm	0.0087 ppm	-0.0016 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run	0.0010 ppm	4.6569 ppm	-0.0001 ppm	0.0087 ppm	-0.0017 ppm	0.0002 ppm	0.0002 ppm
Concentration RSD	56.8 %	0.3 %	648.9 %	0.4 %	14.8 %	129.3 %	6.570.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3114 ppm	102.7794 %	101.4691 %	102.3551 %	102.5707 %	103.1437 %	101.3704 %
Concentration per Run	0.3128 ppm	102.4092 %	101.7953 %	102.3754 %	102.7635 %	105.0855 %	101.3769 %
Concentration per Run	0.3109 ppm	103.5170 %	101.1765 %	101.7608 %	102.8160 %	101.9973 %	100.7317 %
Concentration per Run	0.3105 ppm	102.4118 %	101.4355 %	102.9292 %	102.1326 %	102.3484 %	102.0027 %
Concentration RSD	0.4 %	0.6 %	0.3 %	0.6 %	0.4 %	1.6 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2108398-7 WG2108398

Analysis started at: 9/11/2025 4:26:13 PM

Comment <Comment>

Rack Number 2

Vial Numbers 22

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0517 ppm	2.2188 ppm	0.1249 ppm	1.0286 ppm	2.1865 ppm	0.0531 ppm	12.1887 ppm
Concentration per Run	0.0519 ppm	2.2367 ppm	0.1267 ppm	1.0263 ppm	2.1936 ppm	0.0532 ppm	12.1779 ppm
Concentration per Run	0.0514 ppm	2.2060 ppm	0.1244 ppm	1.0296 ppm	2.1931 ppm	0.0531 ppm	12.1770 ppm
Concentration per Run	0.0518 ppm	2.2136 ppm	0.1237 ppm	1.0300 ppm	2.1729 ppm	0.0530 ppm	12.2112 ppm
Concentration RSD	0.6 %	0.7 %	1.3 %	0.2 %	0.5 %	0.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0569 ppm	0.5100 ppm	0.2070 ppm	0.2779 ppm	1.0546 ppm	11.7464 ppm	0.0010 ppm
Concentration per Run	0.0569 ppm	0.5105 ppm	0.2076 ppm	0.2785 ppm	1.0522 ppm	11.7623 ppm	0.0008 ppm
Concentration per Run	0.0568 ppm	0.5101 ppm	0.2063 ppm	0.2782 ppm	1.0561 ppm	11.7829 ppm	0.0011 ppm
Concentration per Run	0.0571 ppm	0.5093 ppm	0.2071 ppm	0.2772 ppm	1.0554 ppm	11.6940 ppm	0.0011 ppm
Concentration RSD	0.3 %	0.1 %	0.3 %	0.2 %	0.2 %	0.4 %	16.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.6530 ppm	0.6043 ppm	1.0176 ppm	12.0386 ppm	0.5297 ppm	0.5508 ppm	0.5218 ppm
Concentration per Run	11.6973 ppm	0.6053 ppm	1.0160 ppm	12.1202 ppm	0.5316 ppm	0.5526 ppm	0.5236 ppm
Concentration per Run	11.6129 ppm	0.6054 ppm	1.0172 ppm	12.1331 ppm	0.5284 ppm	0.5493 ppm	0.5271 ppm
Concentration per Run	11.6487 ppm	0.6021 ppm	1.0197 ppm	11.8624 ppm	0.5291 ppm	0.5504 ppm	0.5147 ppm
Concentration RSD	0.4 %	0.3 %	0.2 %	1.3 %	0.3 %	0.3 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1268 ppm	6.0878 ppm	1.0097 [SiC xx]	1.0378 ppm	1.0582 ppm	0.1208 ppm	0.5330 ppm
Concentration per Run	0.1287 ppm	6.0891 ppm	1.0102 ppm	1.0403 ppm	1.0569 ppm	0.1210 ppm	0.5338 ppm
Concentration per Run	0.1260 ppm	6.0830 ppm	1.0124 ppm	1.0418 ppm	1.0544 ppm	0.1209 ppm	0.5330 ppm
Concentration per Run	0.1257 ppm	6.0914 ppm	1.0066 ppm	1.0314 ppm	1.0631 ppm	0.1206 ppm	0.5323 ppm
Concentration RSD	1.3 %	0.1 %	0.3 %	0.5 %	0.4 %	0.2 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.8216 ppm	101.0833 %	100.6194 %	99.0565 %	99.6294 %	101.6387 %	98.7010 %
Concentration per Run	0.8219 ppm	101.2448 %	100.4814 %	98.5008 %	99.3891 %	101.9626 %	98.2011 %
Concentration per Run	0.8222 ppm	100.5022 %	100.7823 %	99.3816 %	98.7313 %	103.0770 %	99.0088 %
Concentration per Run	0.8209 ppm	101.5029 %	100.5944 %	99.2870 %	100.7678 %	99.8764 %	98.8932 %
Concentration RSD	0.1 %	0.5 %	0.2 %	0.5 %	1.0 %	1.6 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2108398-8 WG2108398

Analysis started at: 9/11/2025 4:28:18 PM

Comment <Comment>

Rack Number 2

Vial Numbers 23

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0520 ppm	2.2277 ppm	0.1281 ppm	1.0725 ppm	2.2009 ppm	0.0532 ppm	12.6479 ppm
Concentration per Run	0.0520 ppm	2.2392 ppm	0.1283 ppm	1.0645 ppm	2.2057 ppm	0.0533 ppm	12.6447 ppm
Concentration per Run	0.0517 ppm	2.2149 ppm	0.1274 ppm	1.0726 ppm	2.1947 ppm	0.0530 ppm	12.6491 ppm
Concentration per Run	0.0522 ppm	2.2289 ppm	0.1287 ppm	1.0803 ppm	2.2022 ppm	0.0534 ppm	12.6498 ppm
Concentration RSD	0.5 %	0.5 %	0.5 %	0.7 %	0.3 %	0.4 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0572 ppm	0.5125 ppm	0.2088 ppm	0.2802 ppm	1.0550 ppm	12.2375 ppm	0.0027 ppm
Concentration per Run	0.0571 ppm	0.5099 ppm	0.2078 ppm	0.2803 ppm	1.0602 ppm	12.2563 ppm	0.0014 ppm
Concentration per Run	0.0572 ppm	0.5116 ppm	0.2084 ppm	0.2800 ppm	1.0466 ppm	12.1798 ppm	0.0041 ppm
Concentration per Run	0.0573 ppm	0.5161 ppm	0.2101 ppm	0.2804 ppm	1.0581 ppm	12.2765 ppm	0.0026 ppm
Concentration RSD	0.2 %	0.6 %	0.6 %	0.1 %	0.7 %	0.4 %	48.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.1119 ppm	0.6072 ppm	1.0661 ppm	12.5156 ppm	0.5330 ppm	0.5761 ppm	0.5242 ppm
Concentration per Run	12.0543 ppm	0.6071 ppm	1.0637 ppm	12.5686 ppm	0.5302 ppm	0.5743 ppm	0.5234 ppm
Concentration per Run	12.1724 ppm	0.6079 ppm	1.0643 ppm	12.5094 ppm	0.5329 ppm	0.5775 ppm	0.5208 ppm
Concentration per Run	12.1089 ppm	0.6066 ppm	1.0702 ppm	12.4689 ppm	0.5360 ppm	0.5763 ppm	0.5284 ppm
Concentration RSD	0.5 %	0.1 %	0.3 %	0.4 %	0.5 %	0.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1304 ppm	6.1922 ppm	1.0542 [SIC xx]	1.0846 ppm	1.1072 ppm	0.1264 ppm	0.5378 ppm
Concentration per Run	0.1295 ppm	6.1832 ppm	1.0515 ppm	1.0878 ppm	1.1010 ppm	0.1243 ppm	0.5369 ppm
Concentration per Run	0.1300 ppm	6.1819 ppm	1.0518 ppm	1.0802 ppm	1.1143 ppm	0.1275 ppm	0.5368 ppm
Concentration per Run	0.1317 ppm	6.2117 ppm	1.0594 ppm	1.0860 ppm	1.1062 ppm	0.1275 ppm	0.5397 ppm
Concentration RSD	0.9 %	0.3 %	0.4 %	0.4 %	0.6 %	1.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.8251 ppm	101.0932 %	98.8650 %	99.6428 %	101.9253 %	98.7210 %
Concentration per Run	0.8208 ppm	101.2519 %	99.2105 %	99.6060 %	102.1032 %	99.0526 %
Concentration per Run	0.8250 ppm	101.0004 %	98.6072 %	99.4634 %	102.9573 %	98.4842 %
Concentration per Run	0.8296 ppm	101.0275 %	98.7772 %	99.8591 %	100.7155 %	98.6261 %
Concentration RSD	0.5 %	0.1 %	0.3 %	0.2 %	1.1 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2108398-9 WG2108398

Analysis started at: 9/11/2025 4:30:24 PM

Comment <Comment>

Rack Number 2

Vial Numbers 24

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0479 ppm	2.0273 ppm	0.1142 ppm	0.9476 ppm	2.0208 ppm	0.0487 ppm	11.1868 ppm
Concentration per Run	0.0481 ppm	2.0319 ppm	0.1155 ppm	0.9491 ppm	2.0246 ppm	0.0489 ppm	11.1560 ppm
Concentration per Run	0.0478 ppm	2.0233 ppm	0.1129 ppm	0.9509 ppm	2.0146 ppm	0.0485 ppm	11.2031 ppm
Concentration per Run	0.0479 ppm	2.0267 ppm	0.1141 ppm	0.9427 ppm	2.0231 ppm	0.0486 ppm	11.2013 ppm
Concentration RSD	0.4 %	0.2 %	1.1 %	0.5 %	0.3 %	0.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0524 ppm	0.4729 ppm	0.1918 ppm	0.2575 ppm	0.9635 ppm	10.8276 ppm	0.0029 ppm
Concentration per Run	0.0525 ppm	0.4733 ppm	0.1920 ppm	0.2581 ppm	0.9622 ppm	10.8039 ppm	0.0028 ppm
Concentration per Run	0.0526 ppm	0.4739 ppm	0.1925 ppm	0.2594 ppm	0.9613 ppm	10.8261 ppm	0.0032 ppm
Concentration per Run	0.0522 ppm	0.4717 ppm	0.1911 ppm	0.2550 ppm	0.9670 ppm	10.8529 ppm	0.0026 ppm
Concentration RSD	0.4 %	0.2 %	0.4 %	0.9 %	0.3 %	0.2 %	9.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.7554 ppm	0.5597 ppm	0.9355 ppm	11.1338 ppm	0.4895 ppm	0.5070 ppm	0.4798 ppm
Concentration per Run	10.8164 ppm	0.5609 ppm	0.9397 ppm	11.0996 ppm	0.4887 ppm	0.5045 ppm	0.4819 ppm
Concentration per Run	10.8356 ppm	0.5590 ppm	0.9372 ppm	11.1561 ppm	0.4930 ppm	0.5077 ppm	0.4812 ppm
Concentration per Run	10.6141 ppm	0.5592 ppm	0.9297 ppm	11.1458 ppm	0.4868 ppm	0.5088 ppm	0.4757 ppm
Concentration RSD	1.1 %	0.2 %	0.6 %	0.3 %	0.7 %	0.4 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1127 ppm	5.4216 ppm	0.9418 ppm	0.9440 ppm	0.9697 ppm	0.1115 ppm	0.4938 ppm
Concentration per Run	0.1117 ppm	5.4325 ppm	0.9485 ppm	0.9462 ppm	0.9779 ppm	0.1098 ppm	0.4951 ppm
Concentration per Run	0.1146 ppm	5.4373 ppm	0.9346 ppm	0.9400 ppm	0.9694 ppm	0.1127 ppm	0.4948 ppm
Concentration per Run	0.1117 ppm	5.3950 ppm	0.9422 ppm	0.9457 ppm	0.9619 ppm	0.1119 ppm	0.4915 ppm
Concentration RSD	1.5 %	0.4 %	0.7 %	0.4 %	0.8 %	1.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7707 ppm	100.5910 %	99.9982 %	98.6244 %	99.5654 %	100.6607 %	98.4020 %
Concentration per Run	0.7723 ppm	100.2212 %	100.9364 %	98.9231 %	99.4904 %	101.7900 %	98.3287 %
Concentration per Run	0.7734 ppm	99.8521 %	98.6058 %	98.7503 %	99.1951 %	100.4177 %	98.5216 %
Concentration per Run	0.7663 ppm	101.6996 %	99.3079 %	98.3441 %	100.0106 %	99.7744 %	98.3555 %
Concentration RSD	0.5 %	1.0 %	0.8 %	0.3 %	0.4 %	1.0 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2108398-10d5 WG2108398

Analysis started at: 9/11/2025 4:32:30 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 25

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	0.0227 ppm	0.0002 ppm	0.0036 ppm	0.0323 ppm	0.0001 ppm	0.2947 ppm
Concentration per Run	-0.0005 ppm	0.0327 ppm	0.0001 ppm	0.0026 ppm	0.0324 ppm	0.0001 ppm	0.2941 ppm
Concentration per Run	-0.0008 ppm	0.0178 ppm	-0.0009 ppm	0.0032 ppm	0.0322 ppm	0.0001 ppm	0.3011 ppm
Concentration per Run	-0.0007 ppm	0.0175 ppm	0.0015 ppm	0.0049 ppm	0.0324 ppm	0.0001 ppm	0.2890 ppm
Concentration RSD	24.3 %	38.4 %	521.4 %	33.7 %	0.4 %	19.2 %	2.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0003 ppm	-0.0001 ppm	0.0028 ppm	0.0031 ppm	0.1760 ppm	-0.0007 ppm
Concentration per Run	0.0003 ppm	0.0010 ppm	0.0001 ppm	0.0029 ppm	0.0022 ppm	0.1727 ppm	-0.0015 ppm
Concentration per Run	0.0003 ppm	0.0005 ppm	-0.0002 ppm	0.0032 ppm	0.0034 ppm	0.1887 ppm	0.0016 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	-0.0002 ppm	0.0024 ppm	0.0038 ppm	0.1666 ppm	-0.0021 ppm
Concentration RSD	17.3 %	43.7 %	131.5 %	14.9 %	25.7 %	6.5 %	307.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1487 ppm	0.0180 ppm	0.0004 ppm	0.2952 ppm	0.0010 ppm	0.0005 ppm	0.0034 ppm
Concentration per Run	0.1469 ppm	0.0181 ppm	0.0006 ppm	0.2997 ppm	0.0011 ppm	0.0011 ppm	0.0008 ppm
Concentration per Run	0.1494 ppm	0.0179 ppm	0.0001 ppm	0.2924 ppm	0.0006 ppm	0.0003 ppm	0.0048 ppm
Concentration per Run	0.1497 ppm	0.0180 ppm	0.0006 ppm	0.2935 ppm	0.0004 ppm	0.0000 ppm	0.0046 ppm
Concentration RSD	1.0 %	0.5 %	62.0 %	1.3 %	83.2 %	123.5 %	67.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	0.9347 ppm	0.0025 ppm	0.0017 ppm	-0.0012 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0015 ppm	0.9352 ppm	0.0020 ppm	0.0017 ppm	-0.0013 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0009 ppm	0.9370 ppm	0.0009 ppm	0.0016 ppm	-0.0013 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	-0.0019 ppm	0.9318 ppm	0.0033 ppm	0.0017 ppm	-0.0012 ppm	0.0012 ppm	0.0001 ppm
Concentration RSD	1,138.9 %	0.3 %	27.7 %	3.0 %	5.2 %	30.3 %	146.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0631 ppm	99.6811 %	98.8859 %	99.5728 %	98.5965 %	100.8221 %	97.9810 %
Concentration per Run	0.0625 ppm	100.1980 %	98.1422 %	99.1360 %	99.1083 %	100.2856 %	97.5371 %
Concentration per Run	0.0637 ppm	100.0517 %	99.2651 %	100.2344 %	99.0559 %	100.8405 %	98.7251 %
Concentration per Run	0.0630 ppm	98.7937 %	99.2505 %	99.3480 %	97.6253 %	101.3401 %	97.6808 %
Concentration RSD	1.0 %	0.8 %	0.7 %	0.6 %	0.9 %	0.5 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553978-01 WG2108398

Analysis started at: 9/11/2025 4:34:36 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 26

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	0.0010 ppm	0.0435 ppm	0.1424 ppm	0.2175 ppm	0.0000 ppm	172.2773 ppm
Concentration per Run	-0.0008 ppm	-0.0005 ppm	0.0425 ppm	0.1422 ppm	0.2180 ppm	0.0001 ppm	172.7219 ppm
Concentration per Run	-0.0005 ppm	-0.0063 ppm	0.0442 ppm	0.1423 ppm	0.2170 ppm	0.0000 ppm	172.7213 ppm
Concentration per Run	-0.0009 ppm	0.0143 ppm	0.0439 ppm	0.1428 ppm	0.2174 ppm	0.0000 ppm	171.3886 ppm
Concentration RSD	24.7 %	1,194.2 %	2.1 %	0.2 %	0.2 %	69.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0019 ppm	0.0014 ppm	0.0012 ppm	0.0005 ppm	0.7289 ppm	54.1249 ppm	0.0429 ppm
Concentration per Run	-0.0018 ppm	0.0010 ppm	0.0011 ppm	0.0004 ppm	0.7258 ppm	54.1637 ppm	0.0412 ppm
Concentration per Run	-0.0018 ppm	0.0016 ppm	0.0012 ppm	0.0006 ppm	0.7307 ppm	54.1282 ppm	0.0460 ppm
Concentration per Run	-0.0020 ppm	0.0016 ppm	0.0015 ppm	0.0006 ppm	0.7302 ppm	54.0829 ppm	0.0415 ppm
Concentration RSD	6.7 %	23.5 %	15.4 %	25.7 %	0.4 %	0.1 %	6.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	76.1750 ppm	0.0208 ppm	0.0009 ppm	64.1494 ppm	0.0100 ppm	-0.0007 ppm	0.0024 ppm
Concentration per Run	75.3986 ppm	0.0208 ppm	0.0010 ppm	64.4747 ppm	0.0104 ppm	-0.0006 ppm	0.0054 ppm
Concentration per Run	76.8174 ppm	0.0207 ppm	0.0010 ppm	63.8610 ppm	0.0094 ppm	-0.0004 ppm	0.0013 ppm
Concentration per Run	76.3091 ppm	0.0208 ppm	0.0006 ppm	64.1125 ppm	0.0104 ppm	-0.0010 ppm	0.0005 ppm
Concentration RSD	0.9 %	0.3 %	25.1 %	0.5 %	6.0 %	48.2 %	110.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	12.0594 ppm	-0.0001 ppm	1.6144 ppm	-0.0009 ppm	0.0011 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	11.9980 ppm	-0.0011 ppm	1.6194 ppm	-0.0014 ppm	0.0011 ppm	-0.0003 ppm
Concentration per Run	0.0064 ppm	12.0878 ppm	0.0003 ppm	1.6140 ppm	-0.0006 ppm	0.0017 ppm	-0.0001 ppm
Concentration per Run	-0.0015 ppm	12.0923 ppm	0.0006 ppm	1.6098 ppm	-0.0008 ppm	0.0005 ppm	-0.0002 ppm
Concentration RSD	258.8 %	0.4 %	1,016.2 %	0.3 %	46.7 %	55.7 %	43.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	96.9534 %	99.8575 %	90.3191 %	94.6340 %	100.6257 %	92.7577 %
Concentration per Run	0.0003 ppm	97.2607 %	99.2139 %	90.6210 %	95.2659 %	100.8844 %	92.8616 %
Concentration per Run	-0.0001 ppm	96.7854 %	99.9513 %	90.2134 %	94.4979 %	99.5778 %	92.8254 %
Concentration per Run	0.0004 ppm	96.8139 %	100.4074 %	90.1228 %	94.1382 %	101.4150 %	92.5861 %
Concentration RSD	134.2 %	0.3 %	0.6 %	0.3 %	0.6 %	0.9 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553978-02 WG2108398

Analysis started at: 9/11/2025 4:36:41 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 27

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0052 ppm	0.0751 ppm	0.1817 ppm	0.2643 ppm	0.0000 ppm	165.5985 ppm
Concentration per Run	-0.0006 ppm	-0.0070 ppm	0.0745 ppm	0.1811 ppm	0.2650 ppm	0.0001 ppm	165.3558 ppm
Concentration per Run	-0.0007 ppm	0.0010 ppm	0.0776 ppm	0.1813 ppm	0.2632 ppm	0.0000 ppm	165.2040 ppm
Concentration per Run	-0.0001 ppm	-0.0095 ppm	0.0733 ppm	0.1827 ppm	0.2647 ppm	0.0000 ppm	166.2356 ppm
Concentration RSD	62.1 %	105.2 %	3.0 %	0.5 %	0.4 %	45.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0018 ppm	0.0015 ppm	-0.0007 ppm	0.0023 ppm	5.3453 ppm	61.7149 ppm	0.0548 ppm
Concentration per Run	-0.0017 ppm	0.0014 ppm	-0.0006 ppm	0.0024 ppm	5.3452 ppm	61.5261 ppm	0.0551 ppm
Concentration per Run	-0.0018 ppm	0.0014 ppm	-0.0008 ppm	0.0023 ppm	5.3343 ppm	61.5377 ppm	0.0549 ppm
Concentration per Run	-0.0019 ppm	0.0015 ppm	-0.0008 ppm	0.0023 ppm	5.3565 ppm	62.0810 ppm	0.0544 ppm
Concentration RSD	6.5 %	4.4 %	21.1 %	3.9 %	0.2 %	0.5 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	78.6120 ppm	0.0222 ppm	0.0011 ppm	51.6309 ppm	0.0150 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run	78.9602 ppm	0.0221 ppm	0.0011 ppm	51.6282 ppm	0.0148 ppm	-0.0002 ppm	0.0021 ppm
Concentration per Run	78.8662 ppm	0.0222 ppm	0.0013 ppm	51.5339 ppm	0.0148 ppm	-0.0008 ppm	-0.0016 ppm
Concentration per Run	78.0096 ppm	0.0223 ppm	0.0008 ppm	51.7307 ppm	0.0155 ppm	-0.0009 ppm	-0.0001 ppm
Concentration RSD	0.7 %	0.3 %	25.2 %	0.2 %	2.8 %	58.5 %	1.468.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	11.7487 ppm	0.0001 ppm	1.8242 ppm	-0.0009 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run	-0.0004 ppm	11.7568 ppm	-0.0006 ppm	1.8231 ppm	-0.0009 ppm	0.0020 ppm	-0.0004 ppm
Concentration per Run	-0.0020 ppm	11.7646 ppm	0.0006 ppm	1.8221 ppm	-0.0004 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0016 ppm	11.7248 ppm	0.0004 ppm	1.8273 ppm	-0.0007 ppm	0.0011 ppm	-0.0002 ppm
Concentration RSD	650.9 %	0.2 %	605.7 %	0.2 %	14.6 %	139.6 %	41.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0238 ppm	98.0058 %	99.6908 %	91.2536 %	95.8332 %	99.8630 %	93.8777 %
Concentration per Run	0.0235 ppm	97.9595 %	99.5801 %	91.6517 %	95.8177 %	100.2957 %	94.2863 %
Concentration per Run	0.0242 ppm	98.1391 %	99.7842 %	91.0018 %	96.0200 %	100.0158 %	93.6528 %
Concentration per Run	0.0236 ppm	97.9187 %	99.7081 %	91.1071 %	95.6621 %	99.2775 %	93.6940 %
Concentration RSD	1.3 %	0.1 %	0.1 %	0.4 %	0.2 %	0.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553978-03.WG2108398

Analysis started at: 9/11/2025 4:38:47 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 28

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	-0.0032 ppm	0.0012 ppm	0.0069 ppm	0.1572 ppm	0.0000 ppm	202.8859 ppm
Concentration per Run	-0.0001 ppm	-0.0098 ppm	-0.0006 ppm	0.0081 ppm	0.1576 ppm	0.0000 ppm	203.2194 ppm
Concentration per Run	-0.0007 ppm	-0.0048 ppm	0.0025 ppm	0.0066 ppm	0.1571 ppm	0.0000 ppm	202.6833 ppm
Concentration per Run	-0.0009 ppm	0.0051 ppm	0.0017 ppm	0.0060 ppm	0.1569 ppm	0.0000 ppm	202.7550 ppm
Concentration RSD	71.9 %	237.1 %	132.4 %	16.0 %	0.2 %	63.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0020 ppm	0.0055 ppm	-0.0007 ppm	0.0009 ppm	0.3426 ppm	6.8462 ppm	-0.0021 ppm
Concentration per Run	-0.0020 ppm	0.0055 ppm	-0.0009 ppm	0.0009 ppm	0.3443 ppm	6.8771 ppm	-0.0008 ppm
Concentration per Run	-0.0021 ppm	0.0057 ppm	-0.0006 ppm	0.0012 ppm	0.3424 ppm	6.8332 ppm	-0.0018 ppm
Concentration per Run	-0.0020 ppm	0.0053 ppm	-0.0005 ppm	0.0007 ppm	0.3411 ppm	6.8283 ppm	-0.0036 ppm
Concentration RSD	3.4 %	3.1 %	32.5 %	29.9 %	0.5 %	0.4 %	69.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	30.6802 ppm	2.6491 ppm	0.0009 ppm	28.1044 ppm	0.0099 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run	30.5676 ppm	2.6455 ppm	0.0007 ppm	27.9417 ppm	0.0099 ppm	0.0008 ppm	0.0037 ppm
Concentration per Run	30.8073 ppm	2.6472 ppm	0.0011 ppm	28.1227 ppm	0.0097 ppm	-0.0011 ppm	-0.0020 ppm
Concentration per Run	30.6656 ppm	2.6547 ppm	0.0010 ppm	28.2489 ppm	0.0101 ppm	0.0007 ppm	0.0040 ppm
Concentration RSD	0.4 %	0.2 %	19.0 %	0.5 %	1.9 %	720.2 %	181.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	4.5995 ppm	-0.0002 ppm	0.2245 ppm	-0.0008 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run	0.0018 ppm	4.5884 ppm	0.0000 ppm	0.2251 ppm	-0.0006 ppm	0.0031 ppm	0.0001 ppm
Concentration per Run	0.0004 ppm	4.5948 ppm	-0.0003 ppm	0.2248 ppm	-0.0006 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	0.0042 ppm	4.6153 ppm	-0.0002 ppm	0.2237 ppm	-0.0011 ppm	0.0004 ppm	0.0002 ppm
Concentration RSD	89.3 %	0.3 %	79.7 %	0.3 %	33.4 %	93.7 %	51.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0076 ppm	97.3811 %	98.7073 %	91.6640 %	95.3129 %	99.4042 %	93.6209 %
Concentration per Run	0.0075 ppm	97.3955 %	98.8897 %	91.5276 %	95.1847 %	99.6020 %	93.3553 %
Concentration per Run	0.0075 ppm	97.6838 %	98.9261 %	91.4255 %	95.5487 %	99.4897 %	93.6304 %
Concentration per Run	0.0078 ppm	97.0641 %	98.3060 %	92.0388 %	95.2051 %	99.1210 %	93.8770 %
Concentration RSD	2.1 %	0.3 %	0.4 %	0.4 %	0.2 %	0.3 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553987-01 WG2108398

Analysis started at: 9/11/2025 4:40:52 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 29

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0147 ppm	0.0011 ppm	0.0789 ppm	0.0442 ppm	0.0000 ppm	10.0469 ppm
Concentration per Run	-0.0002 ppm	0.0251 ppm	0.0003 ppm	0.0797 ppm	0.0444 ppm	0.0001 ppm	10.0364 ppm
Concentration per Run	-0.0003 ppm	0.0121 ppm	0.0009 ppm	0.0773 ppm	0.0442 ppm	0.0000 ppm	10.0512 ppm
Concentration per Run	-0.0003 ppm	0.0069 ppm	0.0021 ppm	0.0796 ppm	0.0440 ppm	0.0000 ppm	10.0521 ppm
Concentration RSD	18.5 %	64.0 %	83.0 %	1.7 %	0.5 %	134.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0077 ppm	0.0062 ppm	8.9140 ppm	-0.0008 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	0.0001 ppm	0.0076 ppm	0.0071 ppm	8.9098 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0078 ppm	0.0046 ppm	8.9176 ppm	-0.0009 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0010 ppm	0.0076 ppm	0.0069 ppm	8.9147 ppm	-0.0011 ppm
Concentration RSD	59.0 %	3.004.5 %	71.9 %	0.9 %	22.6 %	0.0 %	46.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.8890 ppm	0.0008 ppm	0.0003 ppm	1.2370 ppm	0.0004 ppm	0.0018 ppm	0.0029 ppm
Concentration per Run	12.9290 ppm	0.0008 ppm	0.0003 ppm	1.2445 ppm	0.0002 ppm	0.0021 ppm	0.0028 ppm
Concentration per Run	12.8244 ppm	0.0009 ppm	0.0002 ppm	1.2337 ppm	0.0003 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run	12.9138 ppm	0.0008 ppm	0.0003 ppm	1.2330 ppm	0.0005 ppm	0.0019 ppm	0.0055 ppm
Concentration RSD	0.4 %	6.4 %	36.1 %	0.5 %	38.5 %	17.2 %	89.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0515 ppm	1.8521 ppm	-0.0002 ppm	0.0243 ppm	-0.0008 ppm	0.0011 ppm	-0.0002 ppm
Concentration per Run	0.0524 ppm	1.8532 ppm	0.0006 ppm	0.0244 ppm	-0.0009 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run	0.0526 ppm	1.8470 ppm	0.0004 ppm	0.0243 ppm	-0.0007 ppm	0.0005 ppm	-0.0004 ppm
Concentration per Run	0.0495 ppm	1.8561 ppm	-0.0015 ppm	0.0243 ppm	-0.0008 ppm	0.0014 ppm	-0.0002 ppm
Concentration RSD	3.3 %	0.3 %	734.6 %	0.2 %	10.9 %	47.3 %	51.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0041 ppm	101.9441 %	100.0640 %	100.0446 %	100.8933 %	100.6763 %	99.4151 %
Concentration per Run	0.0042 ppm	101.6561 %	100.0561 %	100.4702 %	100.6229 %	102.2085 %	99.8853 %
Concentration per Run	0.0040 ppm	102.1583 %	98.8854 %	100.1183 %	100.9802 %	99.2958 %	99.3242 %
Concentration per Run	0.0040 ppm	102.0180 %	101.2506 %	99.5453 %	101.0770 %	100.5247 %	99.0358 %
Concentration RSD	2.3 %	0.3 %	1.2 %	0.5 %	0.2 %	1.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 4:42:58 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5044 ppm	0.4776 ppm	0.4835 ppm	0.4800 ppm	0.4916 ppm	0.5048 ppm	0.4923 ppm
Concentration per Run	0.5017 ppm	0.4805 ppm	0.4848 ppm	0.4783 ppm	0.4900 ppm	0.5030 ppm	0.4964 ppm
Concentration per Run	0.5057 ppm	0.4799 ppm	0.4841 ppm	0.4830 ppm	0.4934 ppm	0.5075 ppm	0.4934 ppm
Concentration per Run	0.5059 ppm	0.4724 ppm	0.4817 ppm	0.4785 ppm	0.4914 ppm	0.5039 ppm	0.4877 ppm
Recovery Percentage	100.886 %	95.518 %	96.702 %	95.993 %	98.323 %	100.958 %	98.466 %
Concentration RSD	0.5 %	0.9 %	0.3 %	0.6 %	0.4 %	0.5 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5149 ppm	0.5068 ppm	0.5108 ppm	0.5225 ppm	0.4991 ppm	5.1461 ppm	0.4931 ppm
Concentration per Run	0.5120 ppm	0.5058 ppm	0.5104 ppm	0.5203 ppm	0.4959 ppm	5.1081 ppm	0.4873 ppm
Concentration per Run	0.5156 ppm	0.5068 ppm	0.5108 ppm	0.5237 ppm	0.5020 ppm	5.1414 ppm	0.5011 ppm
Concentration per Run	0.5172 ppm	0.5077 ppm	0.5111 ppm	0.5236 ppm	0.4993 ppm	5.1888 ppm	0.4908 ppm
Recovery Percentage	102.983 %	101.353 %	102.157 %	104.502 %	99.812 %	102.922 %	98.611 %
Concentration RSD	0.5 %	0.2 %	0.1 %	0.4 %	0.6 %	0.8 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5228 ppm	0.5048 ppm	0.4877 ppm	10.1336 ppm	0.5154 ppm	0.5084 ppm	0.5141 ppm
Concentration per Run	0.5203 ppm	0.5056 ppm	0.4861 ppm	10.1546 ppm	0.5134 ppm	0.5084 ppm	0.5155 ppm
Concentration per Run	0.5235 ppm	0.5037 ppm	0.4875 ppm	10.0789 ppm	0.5161 ppm	0.5080 ppm	0.5166 ppm
Concentration per Run	0.5246 ppm	0.5053 ppm	0.4895 ppm	10.1671 ppm	0.5167 ppm	0.5087 ppm	0.5102 ppm
Recovery Percentage	104.556 %	100.970 %	97.541 %	101.336 %	103.082 %	101.672 %	102.818 %
Concentration RSD	0.4 %	0.2 %	0.3 %	0.5 %	0.3 %	0.1 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4794 ppm	5.4044 ppm	0.4965 ppm	0.4992 ppm	0.5095 ppm	0.4949 ppm	0.5148 ppm
Concentration per Run	0.4781 ppm	5.3806 ppm	0.4935 ppm	0.4982 ppm	0.5065 ppm	0.4948 ppm	0.5125 ppm
Concentration per Run	0.4793 ppm	5.4179 ppm	0.4939 ppm	0.5015 ppm	0.5124 ppm	0.4946 ppm	0.5163 ppm
Concentration per Run	0.4807 ppm	5.4148 ppm	0.5021 ppm	0.4979 ppm	0.5096 ppm	0.4955 ppm	0.5156 ppm
Recovery Percentage	95.878 %	102.941 %	99.297 %	99.838 %	101.900 %	98.988 %	102.959 %
Concentration RSD	0.3 %	0.4 %	1.0 %	0.4 %	0.6 %	0.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4913 ppm	99.0735 %	97.8346 %	97.5871 %	96.9737 %	98.4492 %	96.2626 %
Concentration per Run	0.4890 ppm	99.0727 %	98.6090 %	97.9268 %	96.4651 %	98.5787 %	96.1711 %
Concentration per Run	0.4912 ppm	99.5628 %	97.9244 %	97.2732 %	97.8527 %	98.0016 %	96.2342 %
Concentration per Run	0.4937 ppm	98.5850 %	96.9704 %	97.5613 %	96.6034 %	98.7674 %	96.3825 %
Recovery Percentage	98.253 %						
Concentration RSD	0.5 %	0.5 %	0.8 %	0.3 %	0.8 %	0.4 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 4:45:04 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	-0.0028 ppm	0.0008 ppm	0.0015 ppm	-0.0002 ppm	0.0000 ppm	-0.0060 ppm
Concentration per Run	-0.0005 ppm	-0.0005 ppm	-0.0005 ppm	0.0003 ppm	-0.0005 ppm	0.0001 ppm	-0.0064 ppm
Concentration per Run	-0.0008 ppm	0.0021 ppm	0.0010 ppm	0.0027 ppm	-0.0002 ppm	0.0000 ppm	-0.0070 ppm
Concentration per Run	-0.0009 ppm	-0.0043 ppm	0.0019 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	-0.0046 ppm
Recovery Percentage	-10.325 %	-2.754 %	16.271 %	4.916 %	-1.725 %	0.543 %	-6.001 %
Concentration RSD	33.5 %	155.0 %	144.8 %	80.2 %	63.2 %	140.2 %	21.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0002 ppm	0.0012 ppm	-0.0124 ppm	-0.0013 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0008 ppm	0.0004 ppm	0.0015 ppm	-0.0020 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0001 ppm	0.0014 ppm	-0.0258 ppm	-0.0017 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	-0.0095 ppm	-0.0015 ppm
Recovery Percentage	1.501 %	2.242 %	2.289 %	2.289 %	2.301 %	-0.497 %	-26.418 %
Concentration RSD	35.1 %	90.0 %	50.7 %	50.7 %	45.8 %	97.7 %	39.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0017 ppm	0.0000 ppm	0.0000 ppm	-0.0102 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	-0.0021 ppm	-0.0001 ppm	0.0003 ppm	-0.0020 ppm	0.0001 ppm	0.0004 ppm	0.0018 ppm
Concentration per Run	-0.0013 ppm	0.0001 ppm	0.0006 ppm	-0.0116 ppm	0.0002 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run	-0.0016 ppm	0.0001 ppm	-0.0003 ppm	-0.0170 ppm	0.0000 ppm	-0.0001 ppm	-0.0020 ppm
Recovery Percentage	-1.668 %	0.207 %	0.366 %	-0.510 %	0.344 %	2.182 %	0.039 %
Concentration RSD	25.2 %	366.5 %	254.9 %	74.7 %	148.2 %	136.7 %	10.076.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	-0.0009 ppm	0.0011 ppm	-0.0001 ppm	-0.0018 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0003 ppm	-0.0013 ppm	0.0014 ppm	0.0000 ppm	-0.0015 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	0.0012 ppm	-0.0018 ppm	0.0014 ppm	-0.0001 ppm	-0.0022 ppm	0.0018 ppm	-0.0003 ppm
Concentration per Run	0.0017 ppm	0.0004 ppm	0.0006 ppm	-0.0002 ppm	-0.0016 ppm	0.0005 ppm	-0.0002 ppm
Recovery Percentage	10.411 %	-0.181 %	2.288 %	-1.197 %	-17.670 %	4.422 %	-1.630 %
Concentration RSD	66.7 %	132.4 %	42.7 %	93.5 %	20.0 %	92.0 %	102.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	97.5272 %	96.6821 %	96.8045 %	97.7791 %	98.1881 %	96.7514 %
Concentration per Run	0.0000 ppm	97.7524 %	96.7495 %	96.4172 %	98.3194 %	97.8335 %	96.7163 %
Concentration per Run	0.0001 ppm	97.5791 %	96.4318 %	96.5984 %	97.7232 %	97.0962 %	96.4535 %
Concentration per Run	0.0002 ppm	97.2500 %	96.8650 %	97.3978 %	97.2948 %	99.6345 %	97.0844 %
Recovery Percentage	1.606 %	0.3 %	0.2 %	0.5 %	0.5 %	1.3 %	0.3 %
Concentration RSD	134.7 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-1 WG2112183

Analysis started at: 9/11/2025 4:48:56 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 33

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0033 ppm	0.0014 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0278 ppm
Concentration per Run	0.0001 ppm	-0.0021 ppm	0.0013 ppm	0.0006 ppm	0.0013 ppm	0.0000 ppm	0.0273 ppm
Concentration per Run	-0.0002 ppm	0.0086 ppm	0.0001 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0317 ppm
Concentration per Run	-0.0003 ppm	0.0034 ppm	0.0027 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0245 ppm
Concentration RSD	156.9 %	162.4 %	95.2 %	103.2 %	606.7 %	96.8 %	13.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0004 ppm	0.0127 ppm	-0.0265 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0002 ppm	0.0005 ppm	0.0141 ppm	-0.0190 ppm	-0.0018 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0125 ppm	-0.0434 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0006 ppm	0.0006 ppm	0.0116 ppm	-0.0171 ppm	0.0018 ppm
Concentration RSD	34.3 %	68.5 %	106.9 %	68.1 %	10.1 %	55.4 %	2,007.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0070 ppm	0.0008 ppm	0.0008 ppm	0.0148 ppm	0.0010 ppm	0.0011 ppm	0.0029 ppm
Concentration per Run	0.0086 ppm	0.0008 ppm	-0.0005 ppm	0.0140 ppm	0.0010 ppm	0.0027 ppm	0.0016 ppm
Concentration per Run	0.0063 ppm	0.0008 ppm	0.0004 ppm	0.0124 ppm	0.0014 ppm	0.0008 ppm	-0.0004 ppm
Concentration per Run	0.0063 ppm	0.0007 ppm	0.0002 ppm	0.0179 ppm	0.0007 ppm	-0.0001 ppm	0.0076 ppm
Concentration RSD	18.7 %	9.8 %	12,256.7 %	19.3 %	34.1 %	127.2 %	142.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	0.0074 ppm	0.0007 ppm	0.0000 ppm	-0.0014 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0048 ppm	0.0074 ppm	0.0005 ppm	0.0001 ppm	-0.0018 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0014 ppm	0.0049 ppm	0.0010 ppm	-0.0001 ppm	-0.0012 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run	0.0045 ppm	0.0099 ppm	0.0005 ppm	0.0001 ppm	-0.0013 ppm	0.0006 ppm	-0.0004 ppm
Concentration RSD	53.4 %	33.7 %	46.0 %	226.2 %	21.5 %	72.2 %	124.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0058 ppm	100.3103 %	99.1086 %	100.3020 %	100.6863 %	100.8092 %	99.9206 %
Concentration per Run	0.0059 ppm	99.9246 %	98.7658 %	100.3158 %	100.6747 %	101.6932 %	100.1270 %
Concentration per Run	0.0058 ppm	100.8682 %	100.0767 %	100.1993 %	100.8427 %	102.2341 %	99.4721 %
Concentration per Run	0.0058 ppm	100.1382 %	98.4833 %	100.3911 %	100.5415 %	98.5004 %	100.1625 %
Concentration RSD	1.3 %	0.5 %	0.9 %	0.1 %	0.1 %	2.0 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-2 WG2112183

Analysis started at: 9/11/2025 4:51:02 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 34

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0546 ppm	2.0620 ppm	0.1206 ppm	0.9522 ppm	1.9932 ppm	0.0516 ppm	9.9668 ppm
Concentration per Run	0.0539 ppm	2.0537 ppm	0.1195 ppm	0.9543 ppm	1.9912 ppm	0.0517 ppm	9.9582 ppm
Concentration per Run	0.0551 ppm	2.0622 ppm	0.1203 ppm	0.9518 ppm	1.9893 ppm	0.0515 ppm	9.9648 ppm
Concentration per Run	0.0549 ppm	2.0702 ppm	0.1220 ppm	0.9504 ppm	1.9991 ppm	0.0515 ppm	9.9775 ppm
Concentration RSD	1.2 %	0.4 %	1.0 %	0.2 %	0.3 %	0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0544 ppm	0.5004 ppm	0.2048 ppm	0.2603 ppm	1.0263 ppm	10.2311 ppm	-0.0003 ppm
Concentration per Run	0.0547 ppm	0.5030 ppm	0.2054 ppm	0.2603 ppm	1.0317 ppm	10.2156 ppm	0.0017 ppm
Concentration per Run	0.0543 ppm	0.4992 ppm	0.2046 ppm	0.2606 ppm	1.0287 ppm	10.2187 ppm	-0.0016 ppm
Concentration per Run	0.0542 ppm	0.4990 ppm	0.2044 ppm	0.2600 ppm	1.0185 ppm	10.2591 ppm	-0.0009 ppm
Concentration RSD	0.5 %	0.4 %	0.2 %	0.1 %	0.7 %	0.2 %	631.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.3508 ppm	0.5053 ppm	0.9679 ppm	10.0571 ppm	0.5127 ppm	0.5331 ppm	0.5198 ppm
Concentration per Run	10.3234 ppm	0.5062 ppm	0.9694 ppm	10.0008 ppm	0.5129 ppm	0.5331 ppm	0.5173 ppm
Concentration per Run	10.3217 ppm	0.5039 ppm	0.9661 ppm	9.9722 ppm	0.5110 ppm	0.5347 ppm	0.5185 ppm
Concentration per Run	10.4072 ppm	0.5057 ppm	0.9682 ppm	10.1982 ppm	0.5141 ppm	0.5314 ppm	0.5237 ppm
Concentration RSD	0.5 %	0.2 %	0.2 %	1.2 %	0.3 %	0.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1177 ppm	1.1065 ppm	0.9639 ppm	0.9696 ppm	1.0055 ppm	0.1176 ppm	0.5295 ppm
Concentration per Run	0.1186 ppm	1.1078 ppm	0.9703 ppm	0.9708 ppm	1.0016 ppm	0.1176 ppm	0.5305 ppm
Concentration per Run	0.1172 ppm	1.1059 ppm	0.9588 ppm	0.9677 ppm	1.0077 ppm	0.1197 ppm	0.5296 ppm
Concentration per Run	0.1173 ppm	1.1059 ppm	0.9626 ppm	0.9702 ppm	1.0073 ppm	0.1156 ppm	0.5288 ppm
Concentration RSD	0.7 %	0.1 %	0.6 %	0.2 %	0.3 %	1.8 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4968 ppm	100.1889 %	99.8103 %	97.4025 %	98.7392 %	99.3994 %	96.8890 %
Concentration per Run	0.5001 ppm	99.6682 %	100.8151 %	96.9985 %	97.9512 %	99.6438 %	96.4887 %
Concentration per Run	0.4948 ppm	100.6821 %	99.5038 %	97.9205 %	99.3807 %	98.3995 %	97.5979 %
Concentration per Run	0.4949 ppm	100.2164 %	99.1121 %	97.2885 %	98.8858 %	100.1550 %	96.5804 %
Concentration RSD	0.6 %	0.5 %	0.9 %	0.5 %	0.7 %	0.9 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553987-02.WG2108398

Analysis started at: 9/11/2025 4:53:08 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 30

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0058 ppm	0.0019 ppm	0.0673 ppm	0.0538 ppm	0.0001 ppm	25.9396 ppm
Concentration per Run	-0.0007 ppm	0.0038 ppm	0.0020 ppm	0.0693 ppm	0.0539 ppm	0.0001 ppm	25.9563 ppm
Concentration per Run	0.0001 ppm	0.0061 ppm	0.0016 ppm	0.0681 ppm	0.0537 ppm	0.0001 ppm	25.8783 ppm
Concentration per Run	0.0000 ppm	0.0075 ppm	0.0021 ppm	0.0645 ppm	0.0538 ppm	0.0000 ppm	25.9843 ppm
Concentration RSD	249.8 %	32.1 %	14.7 %	3.7 %	0.1 %	30.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0018 ppm	0.0000 ppm	0.0111 ppm	0.0655 ppm	9.0263 ppm	0.0036 ppm
Concentration per Run	0.0001 ppm	0.0016 ppm	0.0002 ppm	0.0114 ppm	0.0654 ppm	9.0106 ppm	0.0057 ppm
Concentration per Run	0.0001 ppm	0.0020 ppm	-0.0004 ppm	0.0107 ppm	0.0655 ppm	8.9973 ppm	0.0022 ppm
Concentration per Run	0.0003 ppm	0.0019 ppm	0.0002 ppm	0.0112 ppm	0.0657 ppm	9.0709 ppm	0.0031 ppm
Concentration RSD	65.7 %	11.4 %	1.271.0 %	3.3 %	0.2 %	0.4 %	50.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.7311 ppm	2.5814 ppm	0.0018 ppm	15.5245 ppm	0.0078 ppm	0.0015 ppm	0.0008 ppm
Concentration per Run	12.6870 ppm	2.5901 ppm	0.0021 ppm	15.5027 ppm	0.0077 ppm	0.0012 ppm	0.0014 ppm
Concentration per Run	12.7702 ppm	2.5696 ppm	0.0015 ppm	15.4867 ppm	0.0081 ppm	0.0013 ppm	0.0006 ppm
Concentration per Run	12.7361 ppm	2.5845 ppm	0.0019 ppm	15.5842 ppm	0.0077 ppm	0.0020 ppm	0.0003 ppm
Concentration RSD	0.3 %	0.4 %	14.8 %	0.3 %	3.3 %	30.5 %	68.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0171 ppm	4.4405 ppm	0.0011 ppm	0.0844 ppm	-0.0012 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0168 ppm	4.4276 ppm	0.0015 ppm	0.0846 ppm	-0.0013 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0168 ppm	4.4442 ppm	0.0014 ppm	0.0845 ppm	-0.0014 ppm	0.0024 ppm	0.0002 ppm
Concentration per Run	0.0178 ppm	4.4496 ppm	0.0005 ppm	0.0843 ppm	-0.0011 ppm	0.0009 ppm	-0.0004 ppm
Concentration RSD	3.3 %	0.3 %	45.5 %	0.2 %	11.4 %	212.3 %	307.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0112 ppm	102.2885 %	100.6418 %	98.9336 %	101.7589 %	99.3808 %
Concentration per Run	0.0113 ppm	102.5748 %	100.8428 %	99.1762 %	102.4908 %	99.6289 %
Concentration per Run	0.0112 ppm	102.0508 %	100.7828 %	98.3466 %	101.1488 %	98.7574 %
Concentration per Run	0.0110 ppm	102.2402 %	100.2999 %	99.2781 %	101.6370 %	99.7561 %
Concentration RSD	1.2 %	0.3 %	0.3 %	0.5 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553987-03.WG2108398

Analysis started at: 9/11/2025 4:55:13 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 31

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	2.2991 ppm	0.0604 ppm	0.3149 ppm	0.0816 ppm	0.0007 ppm	3.0883 ppm
Concentration per Run	-0.0007 ppm	2.3195 ppm	0.0615 ppm	0.3129 ppm	0.0816 ppm	0.0007 ppm	3.0917 ppm
Concentration per Run	0.0003 ppm	2.3012 ppm	0.0605 ppm	0.3167 ppm	0.0817 ppm	0.0007 ppm	3.0838 ppm
Concentration per Run	0.0000 ppm	2.2765 ppm	0.0592 ppm	0.3151 ppm	0.0813 ppm	0.0007 ppm	3.0893 ppm
Concentration RSD	347.7 %	0.9 %	1.9 %	0.6 %	0.2 %	3.7 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0016 ppm	0.0047 ppm	0.0245 ppm	3.3655 ppm	73.4030 ppm	0.0010 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	0.0049 ppm	0.0248 ppm	3.3726 ppm	73.2773 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	0.0018 ppm	0.0046 ppm	0.0245 ppm	3.3667 ppm	73.5217 ppm	0.0009 ppm
Concentration per Run	0.0002 ppm	0.0017 ppm	0.0047 ppm	0.0243 ppm	3.3570 ppm	73.4099 ppm	0.0016 ppm
Concentration RSD	18.8 %	17.2 %	3.0 %	1.0 %	0.2 %	0.2 %	66.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2548 ppm	0.3936 ppm	0.1762 ppm	17.8389 ppm	0.0034 ppm	0.0378 ppm	0.0011 ppm
Concentration per Run	0.2547 ppm	0.3932 ppm	0.1757 ppm	17.8415 ppm	0.0028 ppm	0.0383 ppm	0.0005 ppm
Concentration per Run	0.2565 ppm	0.3940 ppm	0.1772 ppm	17.8804 ppm	0.0039 ppm	0.0375 ppm	-0.0005 ppm
Concentration per Run	0.2533 ppm	0.3936 ppm	0.1757 ppm	17.7949 ppm	0.0035 ppm	0.0374 ppm	0.0035 ppm
Concentration RSD	0.6 %	0.1 %	0.5 %	0.2 %	16.4 %	1.3 %	182.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0046 ppm	2.2027 ppm	0.0008 ppm	0.0174 ppm	0.0872 ppm	0.0010 ppm	0.0271 ppm
Concentration per Run	0.0032 ppm	2.1458 ppm	0.0004 ppm	0.0175 ppm	0.0873 ppm	0.0004 ppm	0.0269 ppm
Concentration per Run	0.0068 ppm	2.2128 ppm	0.0017 ppm	0.0174 ppm	0.0876 ppm	0.0001 ppm	0.0271 ppm
Concentration per Run	0.0039 ppm	2.2496 ppm	0.0004 ppm	0.0175 ppm	0.0868 ppm	0.0026 ppm	0.0272 ppm
Concentration RSD	41.4 %	2.4 %	87.0 %	0.1 %	0.5 %	131.2 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0094 ppm	102.4953 %	102.5868 %	99.2478 %	106.6308 %	108.3215 %	104.9890 %
Concentration per Run	0.0095 ppm	102.8772 %	103.3821 %	99.9288 %	107.1899 %	109.4860 %	104.9359 %
Concentration per Run	0.0095 ppm	102.6687 %	99.5392 %	99.5392 %	107.0501 %	109.0885 %	105.1169 %
Concentration per Run	0.0092 ppm	101.9401 %	101.5903 %	99.2754 %	105.6525 %	106.3901 %	104.9141 %
Concentration RSD	1.7 %	0.5 %	0.9 %	0.3 %	0.8 %	1.6 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2553987-04.WG2108398

Analysis started at: 9/11/2025 4:57:19 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 32

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.0107 ppm	0.0011 ppm	0.1367 ppm	0.1773 ppm	0.0000 ppm	23.9765 ppm
Concentration per Run	-0.0008 ppm	0.0043 ppm	0.0006 ppm	0.1364 ppm	0.1771 ppm	0.0000 ppm	24.0676 ppm
Concentration per Run	-0.0006 ppm	0.0155 ppm	0.0014 ppm	0.1376 ppm	0.1775 ppm	0.0001 ppm	23.8567 ppm
Concentration per Run	-0.0006 ppm	0.0124 ppm	0.0013 ppm	0.1361 ppm	0.1774 ppm	0.0000 ppm	24.0051 ppm
Concentration RSD	18.3 %	54.2 %	39.7 %	0.6 %	0.1 %	96.0 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0081 ppm	0.0022 ppm	23.8312 ppm	-0.0016 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0080 ppm	0.0017 ppm	23.8181 ppm	-0.0024 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0001 ppm	0.0080 ppm	0.0020 ppm	23.8558 ppm	-0.0015 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0003 ppm	0.0083 ppm	0.0028 ppm	23.8198 ppm	-0.0008 ppm
Concentration RSD	42.0 %	39.7 %	144.4 %	2.2 %	25.0 %	0.1 %	51.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.9146 ppm	3.0495 ppm	0.0275 ppm	4.8244 ppm	0.0029 ppm	0.0004 ppm	0.0014 ppm
Concentration per Run	15.9509 ppm	3.0573 ppm	0.0278 ppm	4.8111 ppm	0.0029 ppm	0.0003 ppm	0.0016 ppm
Concentration per Run	15.8898 ppm	3.0414 ppm	0.0278 ppm	4.8256 ppm	0.0025 ppm	0.0004 ppm	0.0038 ppm
Concentration per Run	15.9030 ppm	3.0497 ppm	0.0269 ppm	4.8365 ppm	0.0034 ppm	0.0005 ppm	-0.0011 ppm
Concentration RSD	0.2 %	0.3 %	1.8 %	0.3 %	14.4 %	28.8 %	175.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	2.0594 ppm	0.0005 ppm	0.0807 ppm	-0.0012 ppm	0.0007 ppm	-0.0003 ppm
Concentration per Run	0.0030 ppm	2.0525 ppm	0.0010 ppm	0.0806 ppm	-0.0014 ppm	0.0013 ppm	-0.0003 ppm
Concentration per Run	0.0025 ppm	2.0696 ppm	-0.0008 ppm	0.0807 ppm	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0013 ppm	2.0561 ppm	0.0012 ppm	0.0808 ppm	-0.0007 ppm	0.0008 ppm	-0.0003 ppm
Concentration RSD	38.3 %	0.4 %	225.8 %	0.1 %	34.6 %	105.2 %	31.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0021 ppm	100.0581 %	99.8747 %	97.7394 %	100.0780 %	101.9540 %	98.5509 %
Concentration per Run	0.0024 ppm	99.4898 %	99.1678 %	97.9372 %	99.6073 %	101.5599 %	99.1813 %
Concentration per Run	0.0022 ppm	100.4658 %	100.2654 %	97.8958 %	100.0484 %	102.1642 %	98.4670 %
Concentration per Run	0.0018 ppm	100.2187 %	100.1909 %	97.3852 %	100.5782 %	102.1380 %	98.0043 %
Concentration RSD	14.1 %	0.5 %	0.6 %	0.3 %	0.5 %	0.3 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555375-01 WG2112183

Analysis started at: 9/11/2025 4:59:25 PM

Comment <Comment>

Rack Number 2

Vial Numbers 35

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	42.7546 ppm	0.0184 ppm	0.2547 ppm	0.0265 ppm	0.0000 ppm	63.4865 ppm
Concentration per Run	0.0000 ppm	42.4896 ppm	0.0191 ppm	0.2463 ppm	0.0264 ppm	0.0000 ppm	63.0938 ppm
Concentration per Run	-0.0018 ppm	42.8818 ppm	0.0171 ppm	0.2556 ppm	0.0264 ppm	0.0001 ppm	63.4814 ppm
Concentration per Run	-0.0005 ppm	42.8924 ppm	0.0189 ppm	0.2621 ppm	0.0267 ppm	0.0000 ppm	63.8842 ppm
Concentration RSD	123.4 %	0.5 %	6.1 %	3.1 %	0.7 %	127.3 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0032 ppm	0.1146 ppm	0.2947 ppm	6.7858 ppm	2,689.8315 ppm	0.0122 ppm
Concentration per Run	-0.0004 ppm	0.0032 ppm	0.1119 ppm	0.2881 ppm	6.7881 ppm	2,670.9517 ppm	0.0126 ppm
Concentration per Run	-0.0005 ppm	0.0027 ppm	0.1151 ppm	0.2943 ppm	6.7960 ppm	2,695.5394 ppm	0.0132 ppm
Concentration per Run	-0.0005 ppm	0.0036 ppm	0.1167 ppm	0.3016 ppm	6.7733 ppm	2,703.0035 ppm	0.0108 ppm
Concentration RSD	14.3 %	13.9 %	2.2 %	2.3 %	0.2 %	0.6 %	10.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.6651 ppm	0.7196 ppm	0.0136 ppm	71.6504 ppm	0.0190 ppm	0.0052 ppm	0.0210 ppm
Concentration per Run	15.4039 ppm	0.7155 ppm	0.0128 ppm	70.9837 ppm	0.0185 ppm	0.0063 ppm	0.0205 ppm
Concentration per Run	15.6189 ppm	0.7196 ppm	0.0141 ppm	71.8330 ppm	0.0183 ppm	0.0052 ppm	0.0185 ppm
Concentration per Run	15.9724 ppm	0.7236 ppm	0.0139 ppm	72.1346 ppm	0.0203 ppm	0.0041 ppm	0.0240 ppm
Concentration RSD	1.8 %	0.6 %	5.4 %	0.8 %	5.8 %	21.6 %	13.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0078 ppm	3.6004 ppm	0.0501 ppm	0.2422 ppm	0.0483 ppm	0.0003 ppm	0.0094 ppm
Concentration per Run	0.0081 ppm	3.5213 ppm	0.0483 ppm	0.2410 ppm	0.0471 ppm	0.0003 ppm	0.0095 ppm
Concentration per Run	0.0046 ppm	3.6104 ppm	0.0505 ppm	0.2426 ppm	0.0485 ppm	0.0003 ppm	0.0093 ppm
Concentration per Run	0.0106 ppm	3.6696 ppm	0.0515 ppm	0.2429 ppm	0.0495 ppm	0.0004 ppm	0.0092 ppm
Concentration RSD	38.8 %	2.1 %	3.2 %	0.4 %	2.5 %	21.7 %	1.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.7458 ppm	69.4367 %	69.6657 %	62.0951 %	82.5188 %	90.0384 %	83.1912 %
Concentration per Run	2.6823 ppm	71.3782 %	70.1834 %	63.1468 %	83.1179 %	89.7699 %	83.7987 %
Concentration per Run	2.7489 ppm	69.2946 %	69.5121 %	62.0558 %	82.4323 %	90.2349 %	83.5104 %
Concentration per Run	2.8064 ppm	67.6374 %	69.3016 %	61.0946 %	82.0062 %	90.1103 %	82.2643 %
Concentration RSD	2.3 %	2.7 %	0.7 %	1.7 %	0.7 %	0.3 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-3 WG2112183

Analysis started at: 9/11/2025 5:01:30 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 36

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0707 ppm	46.0328 ppm	0.1420 ppm	1.4548 ppm	2.6143 ppm	0.0668 ppm	77.2267 ppm
Concentration per Run	0.0698 ppm	46.0725 ppm	0.1427 ppm	1.4526 ppm	2.5975 ppm	0.0666 ppm	77.1410 ppm
Concentration per Run	0.0701 ppm	45.9005 ppm	0.1410 ppm	1.4511 ppm	2.6190 ppm	0.0669 ppm	77.0112 ppm
Concentration per Run	0.0722 ppm	46.1255 ppm	0.1423 ppm	1.4608 ppm	2.6264 ppm	0.0669 ppm	77.5279 ppm
Concentration RSD	1.8 %	0.3 %	0.6 %	0.4 %	0.6 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0709 ppm	0.6366 ppm	0.3830 ppm	0.6332 ppm	7.9134 ppm	2,622.3684 ppm	0.0132 ppm
Concentration per Run	0.0709 ppm	0.6408 ppm	0.3850 ppm	0.6339 ppm	7.9166 ppm	2,612.5508 ppm	0.0144 ppm
Concentration per Run	0.0708 ppm	0.6297 ppm	0.3817 ppm	0.6310 ppm	7.9255 ppm	2,620.9561 ppm	0.0103 ppm
Concentration per Run	0.0709 ppm	0.6395 ppm	0.3824 ppm	0.6347 ppm	7.8980 ppm	2,633.5982 ppm	0.0150 ppm
Concentration RSD	0.1 %	1.0 %	0.5 %	0.3 %	0.2 %	0.4 %	19.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.1946 ppm	1.3833 ppm	1.2845 ppm	85.4546 ppm	0.6712 ppm	0.6968 ppm	0.6881 ppm
Concentration per Run	29.2942 ppm	1.3806 ppm	1.2830 ppm	84.6810 ppm	0.6706 ppm	0.6987 ppm	0.6826 ppm
Concentration per Run	29.0170 ppm	1.3806 ppm	1.2786 ppm	85.8715 ppm	0.6692 ppm	0.6982 ppm	0.6908 ppm
Concentration per Run	29.2726 ppm	1.3887 ppm	1.2919 ppm	85.8113 ppm	0.6737 ppm	0.6934 ppm	0.6909 ppm
Concentration RSD	0.5 %	0.3 %	0.5 %	0.8 %	0.3 %	0.4 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1761 ppm	5.3364 ppm	0.6587 ppm	1,5018 ppm	1.1682 ppm	0.1023 ppm	0.7120 ppm
Concentration per Run	0.1741 ppm	5.3216 ppm	0.6587 ppm	1.4956 ppm	1.1744 ppm	0.1032 ppm	0.7116 ppm
Concentration per Run	0.1713 ppm	5.3211 ppm	0.6539 ppm	1.5018 ppm	1.1585 ppm	0.1029 ppm	0.7087 ppm
Concentration per Run	0.1829 ppm	5.3666 ppm	0.6634 ppm	1.5080 ppm	1.1717 ppm	0.1008 ppm	0.7155 ppm
Concentration RSD	3.4 %	0.5 %	0.7 %	0.4 %	0.7 %	1.2 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	3.5473 ppm	65.4131 %	68.7668 %	60.4353 %	82.3787 %	88.9153 %	82.7440 %
Concentration per Run	3.5637 ppm	65.2977 %	68.8567 %	59.9733 %	82.3842 %	87.8789 %	81.8720 %
Concentration per Run	3.5354 ppm	65.6030 %	68.7614 %	60.4891 %	82.4657 %	89.5285 %	82.9456 %
Concentration per Run	3.5427 ppm	65.3386 %	68.6823 %	60.8435 %	82.2862 %	89.3387 %	83.4146 %
Concentration RSD	0.4 %	0.3 %	0.1 %	0.7 %	0.1 %	1.0 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-4.WG2112183

Analysis started at: 9/11/2025 5:03:35 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 37

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0015 ppm	42.0740 ppm	0.0160 ppm	0.2654 ppm	0.0258 ppm	0.0001 ppm	62.4896 ppm
Concentration per Run	-0.0011 ppm	41.9424 ppm	0.0167 ppm	0.2672 ppm	0.0259 ppm	0.0001 ppm	62.2234 ppm
Concentration per Run	-0.0018 ppm	42.2354 ppm	0.0144 ppm	0.2693 ppm	0.0259 ppm	0.0001 ppm	62.5098 ppm
Concentration per Run	-0.0016 ppm	42.0442 ppm	0.0169 ppm	0.2596 ppm	0.0258 ppm	0.0001 ppm	62.7356 ppm
Concentration RSD	24.0 %	0.4 %	8.9 %	1.9 %	0.3 %	14.6 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0031 ppm	0.1198 ppm	0.3057 ppm	7.9106 ppm	2,534.9473 ppm	0.0147 ppm
Concentration per Run	-0.0002 ppm	0.0035 ppm	0.1203 ppm	0.3046 ppm	7.8949 ppm	2,528.0497 ppm	0.0150 ppm
Concentration per Run	-0.0005 ppm	0.0025 ppm	0.1191 ppm	0.3063 ppm	7.9301 ppm	2,545.8608 ppm	0.0144 ppm
Concentration per Run	-0.0005 ppm	0.0033 ppm	0.1199 ppm	0.3061 ppm	7.9069 ppm	2,530.9313 ppm	0.0146 ppm
Concentration RSD	40.3 %	17.3 %	0.5 %	0.3 %	0.2 %	0.4 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	16.2059 ppm	0.7050 ppm	0.0148 ppm	69.9936 ppm	0.0190 ppm	0.0040 ppm	0.0164 ppm
Concentration per Run	16.4054 ppm	0.7034 ppm	0.0149 ppm	70.0712 ppm	0.0204 ppm	0.0017 ppm	0.0210 ppm
Concentration per Run	16.1834 ppm	0.7085 ppm	0.0148 ppm	70.1198 ppm	0.0184 ppm	0.0041 ppm	0.0171 ppm
Concentration per Run	16.0289 ppm	0.7051 ppm	0.0145 ppm	69.7900 ppm	0.0182 ppm	0.0062 ppm	0.0111 ppm
Concentration RSD	1.2 %	0.2 %	1.4 %	0.3 %	6.5 %	56.2 %	30.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	3.7132 ppm	0.0517 ppm	0.2367 ppm	0.0503 ppm	0.0015 ppm	0.0099 ppm
Concentration per Run	0.0102 ppm	3.7202 ppm	0.0522 ppm	0.2366 ppm	0.0512 ppm	0.0014 ppm	0.0102 ppm
Concentration per Run	-0.0020 ppm	3.7237 ppm	0.0510 ppm	0.2376 ppm	0.0500 ppm	0.0009 ppm	0.0102 ppm
Concentration per Run	0.0052 ppm	3.6956 ppm	0.0520 ppm	0.2360 ppm	0.0498 ppm	0.0022 ppm	0.0094 ppm
Concentration RSD	138.4 %	0.4 %	1.3 %	0.3 %	1.5 %	45.4 %	4.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.8400 ppm	65.0729 %	67.1861 %	60.5573 %	81.1538 %	85.9165 %	82.1903 %
Concentration per Run	2.8539 ppm	64.7794 %	66.8830 %	61.0881 %	81.0028 %	86.1139 %	82.6496 %
Concentration per Run	2.8469 ppm	64.8426 %	67.8131 %	60.0753 %	81.0477 %	87.0328 %	81.7862 %
Concentration per Run	2.8193 ppm	65.5968 %	66.8623 %	60.5087 %	81.4108 %	84.6027 %	82.1349 %
Concentration RSD	0.6 %	0.7 %	0.8 %	0.8 %	0.3 %	1.4 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-5 WG2112183

Analysis started at: 9/11/2025 5:05:40 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 38

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0611 ppm	46.1828 ppm	0.1356 ppm	1.4322 ppm	2.4441 ppm	0.0625 ppm	77.0675 ppm
Concentration per Run	0.0608 ppm	46.0759 ppm	0.1337 ppm	1.4260 ppm	2.4447 ppm	0.0627 ppm	76.9264 ppm
Concentration per Run	0.0617 ppm	46.0291 ppm	0.1347 ppm	1.4303 ppm	2.4369 ppm	0.0623 ppm	77.0770 ppm
Concentration per Run	0.0609 ppm	46.4434 ppm	0.1385 ppm	1.4404 ppm	2.4507 ppm	0.0624 ppm	77.1990 ppm
Concentration RSD	0.9 %	0.5 %	1.9 %	0.5 %	0.3 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0675 ppm	0.6029 ppm	0.3719 ppm	0.6185 ppm	8.1122 ppm	2,607.8565 ppm	0.0122 ppm
Concentration per Run	0.0679 ppm	0.6038 ppm	0.3709 ppm	0.6181 ppm	8.1660 ppm	2,601.9509 ppm	0.0125 ppm
Concentration per Run	0.0672 ppm	0.6009 ppm	0.3714 ppm	0.6187 ppm	8.0994 ppm	2,620.2361 ppm	0.0138 ppm
Concentration per Run	0.0675 ppm	0.6038 ppm	0.3735 ppm	0.6188 ppm	8.0711 ppm	2,601.3826 ppm	0.0104 ppm
Concentration RSD	0.5 %	0.3 %	0.4 %	0.1 %	0.6 %	0.4 %	14.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.1382 ppm	1.3449 ppm	1.2568 ppm	85.2037 ppm	0.6356 ppm	0.6658 ppm	0.6553 ppm
Concentration per Run	29.2340 ppm	1.3448 ppm	1.2575 ppm	84.7513 ppm	0.6308 ppm	0.6702 ppm	0.6567 ppm
Concentration per Run	28.8488 ppm	1.3418 ppm	1.2520 ppm	84.9856 ppm	0.6376 ppm	0.6641 ppm	0.6538 ppm
Concentration per Run	29.3318 ppm	1.3480 ppm	1.2607 ppm	85.8740 ppm	0.6382 ppm	0.6632 ppm	0.6555 ppm
Concentration RSD	0.9 %	0.2 %	0.4 %	0.7 %	0.6 %	0.6 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1651 ppm	4.8503 ppm	1.2870 [SIC xx]	1.4576 ppm	1.3416 ppm	0.0963 ppm	0.6708 ppm
Concentration per Run	0.1573 ppm	4.8508 ppm	1.2874 ppm	1.4581 ppm	1.3521 ppm	0.0982 ppm	0.6699 ppm
Concentration per Run	0.1740 ppm	4.8371 ppm	1.2881 ppm	1.4553 ppm	1.3231 ppm	0.0954 ppm	0.6678 ppm
Concentration per Run	0.1639 ppm	4.8630 ppm	1.2854 ppm	1.4594 ppm	1.3495 ppm	0.0952 ppm	0.6748 ppm
Concentration RSD	5.1 %	0.3 %	0.1 %	0.1 %	1.2 %	1.8 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	3.5790 ppm	61.3806 %	65.8990 %	57.9905 %	78.4655 %	86.7838 %	80.0823 %
Concentration per Run	3.5790 ppm	61.5771 %	66.2016 %	57.7878 %	78.9579 %	86.6241 %	79.8849 %
Concentration per Run	3.5719 ppm	61.5043 %	65.8455 %	58.2950 %	78.4258 %	86.0091 %	80.5063 %
Concentration per Run	3.5862 ppm	61.0604 %	65.6500 %	57.8887 %	78.0127 %	87.7182 %	79.8558 %
Concentration RSD	0.2 %	0.5 %	0.4 %	0.5 %	0.6 %	1.0 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112183-6d5 WG2112183

Analysis started at: 9/11/2025 5:07:46 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 39

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	7.6576 ppm		0.0536 ppm	0.0048 ppm	0.0000 ppm	11.5574 ppm
Concentration per Run	-0.0004 ppm	7.6456 ppm	0.0037 ppm	0.0536 ppm	0.0023 ppm	0.0000 ppm	11.5479 ppm
Concentration per Run	-0.0005 ppm	7.6597 ppm	0.0049 ppm	0.0548 ppm	0.0047 ppm	-0.0001 ppm	11.5611 ppm
Concentration per Run	-0.0013 ppm	7.6676 ppm	0.0040 ppm	0.0526 ppm	0.0047 ppm	0.0000 ppm	11.5634 ppm
Concentration RSD	66.3 %	0.1 %	36.3 %	2.0 %	3.4 %	348.3 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0014 ppm	0.0213 ppm	0.0565 ppm	1.2117 ppm	560.3715 ppm	0.0049 ppm
Concentration per Run	0.0000 ppm	0.0015 ppm	0.0213 ppm	0.0564 ppm	1.2138 ppm	551.4746 ppm	0.0028 ppm
Concentration per Run	-0.0001 ppm	0.0011 ppm	0.0215 ppm	0.0563 ppm	1.2048 ppm	563.9936 ppm	0.0069 ppm
Concentration per Run	-0.0001 ppm	0.0016 ppm	0.0210 ppm	0.0569 ppm	1.2163 ppm	565.6462 ppm	0.0051 ppm
Concentration RSD	72.6 %	19.0 %	1.2 %	0.5 %	0.5 %	1.4 %	41.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.9882 ppm	0.1285 ppm	0.0029 ppm	12.9346 ppm	0.0032 ppm	0.0009 ppm	0.0063 ppm
Concentration per Run	3.0028 ppm	0.1282 ppm	0.0029 ppm	12.8121 ppm	0.0041 ppm	0.0004 ppm	0.0093 ppm
Concentration per Run	2.9815 ppm	0.1289 ppm	0.0030 ppm	13.0024 ppm	0.0034 ppm	0.0016 ppm	0.0021 ppm
Concentration per Run	2.9802 ppm	0.1285 ppm	0.0029 ppm	12.9892 ppm	0.0020 ppm	0.0006 ppm	0.0076 ppm
Concentration RSD	0.4 %	0.3 %	1.8 %	0.8 %	33.8 %	77.4 %	59.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	0.6488 ppm	0.0103 ppm	0.0432 ppm	0.0082 ppm	0.0014 ppm	0.0015 ppm
Concentration per Run	0.0012 ppm	0.6508 ppm	0.0096 ppm	0.0432 ppm	0.0082 ppm	0.0015 ppm	0.0016 ppm
Concentration per Run	-0.0013 ppm	0.6490 ppm	0.0109 ppm	0.0432 ppm	0.0079 ppm	0.0020 ppm	0.0018 ppm
Concentration per Run	-0.0013 ppm	0.6467 ppm	0.0102 ppm	0.0432 ppm	0.0083 ppm	0.0005 ppm	0.0012 ppm
Concentration RSD	297.9 %	0.3 %	6.1 %	0.1 %	2.9 %	57.4 %	20.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4957 ppm	80.3421 %		75.7897 %	89.7572 %	92.5216 %	88.9979 %
Concentration per Run	0.4987 ppm	80.0684 %		75.9417 %	89.3083 %	91.5897 %	89.0182 %
Concentration per Run	0.4947 ppm	80.4278 %		74.9662 %	89.7697 %	93.0945 %	88.1775 %
Concentration per Run	0.4937 ppm	80.5301 %		76.4611 %	90.1935 %	92.8806 %	89.7981 %
Concentration RSD	0.5 %	0.3 %		1.0 %	0.5 %	0.9 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 5:09:51 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4495 ppm	0.4349 ppm	0.4850 ppm	0.4251 ppm	0.4419 ppm	0.4555 ppm	0.4437 ppm
Concentration per Run	0.4469 ppm	0.4374 ppm	0.4839 ppm	0.4240 ppm	0.4434 ppm	0.4566 ppm	0.4479 ppm
Concentration per Run	0.4496 ppm	0.4387 ppm	0.4832 ppm	0.4268 ppm	0.4405 ppm	0.4549 ppm	0.4405 ppm
Concentration per Run	0.4521 ppm	0.4286 ppm	0.4879 ppm	0.4246 ppm	0.4400 ppm	0.4550 ppm	0.4426 ppm
Recovery Percentage	89.902 %	86.983 %	97.002 %	85.027 %	88.374 %	91.098 %	88.736 %
Concentration RSD	0.6 %	1.3 %	0.5 %	0.3 %	0.4 %	0.2 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4528 ppm	0.4497 ppm	0.4522 ppm	0.4668 ppm	0.4519 ppm	5.5789 ppm	0.4512 ppm
Concentration per Run	0.4508 ppm	0.4500 ppm	0.4525 ppm	0.4652 ppm	0.4523 ppm	5.6351 ppm	0.4544 ppm
Concentration per Run	0.4531 ppm	0.4496 ppm	0.4530 ppm	0.4676 ppm	0.4488 ppm	5.5741 ppm	0.4487 ppm
Concentration per Run	0.4544 ppm	0.4494 ppm	0.4512 ppm	0.4675 ppm	0.4545 ppm	5.5274 ppm	0.4505 ppm
Recovery Percentage	90.552 %	89.935 %	90.442 %	93.355 %	90.371 %	111.577 %	90.246 %
Concentration RSD	0.4 %	0.1 %	0.2 %	0.3 %	0.6 %	1.0 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4647 ppm	0.4517 ppm	0.4290 ppm	9.1351 ppm	0.4535 ppm	0.4531 ppm	0.4569 ppm
Concentration per Run	0.4628 ppm	0.4531 ppm	0.4272 ppm	9.1572 ppm	0.4514 ppm	0.4522 ppm	0.4552 ppm
Concentration per Run	0.4663 ppm	0.4518 ppm	0.4299 ppm	9.2073 ppm	0.4558 ppm	0.4520 ppm	0.4525 ppm
Concentration per Run	0.4649 ppm	0.4500 ppm	0.4298 ppm	9.0407 ppm	0.4534 ppm	0.4552 ppm	0.4629 ppm
Recovery Percentage	92.932 %	90.333 %	85.797 %	91.351 %	90.704 %	90.630 %	91.376 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.9 %	0.5 %	0.4 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4297 ppm	4.7946 ppm	0.4376 ppm	0.4512 ppm	0.4517 ppm	0.3787 ppm	0.4564 ppm
Concentration per Run	0.4313 ppm	4.7877 ppm	0.4317 ppm	0.4537 ppm	0.4494 ppm	0.3691 ppm	0.4562 ppm
Concentration per Run	0.4295 ppm	4.7925 ppm	0.4393 ppm	0.4508 ppm	0.4520 ppm	0.3793 ppm	0.4559 ppm
Concentration per Run	0.4285 ppm	4.8038 ppm	0.4418 ppm	0.4491 ppm	0.4537 ppm	0.3878 ppm	0.4571 ppm
Recovery Percentage	85.948 %	91.327 %	87.520 %	90.240 %	90.344 %	75.748 %	91.282 %
Concentration RSD	0.3 %	0.2 %	1.2 %	0.5 %	0.5 %	2.5 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4302 ppm	112.1567 %	109.2020 %	109.9639 %	98.0181 %	98.6035 %	96.9377 %
Concentration per Run	0.4298 ppm	112.4152 %	108.7941 %	109.7287 %	97.7651 %	97.3333 %	96.4445 %
Concentration per Run	0.4302 ppm	112.0168 %	108.6387 %	110.5962 %	98.1795 %	99.4932 %	97.3941 %
Concentration per Run	0.4306 ppm	112.0382 %	110.1733 %	109.5668 %	98.1095 %	98.9841 %	96.9743 %
Recovery Percentage	86.040 %						
Concentration RSD	0.1 %	0.2 %	0.8 %	0.5 %	0.2 %	1.1 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



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Sample: 9/11/2025 5:11:56 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0007 ppm	0.0011 ppm	0.0016 ppm	-0.0002 ppm	0.0001 ppm	-0.0035 ppm
Concentration per Run	-0.0004 ppm	0.0070 ppm	-0.0004 ppm	0.0018 ppm	-0.0004 ppm	0.0001 ppm	-0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0066 ppm	0.0004 ppm	0.0015 ppm	-0.0002 ppm	0.0001 ppm	-0.0091 ppm
Concentration per Run	-0.0001 ppm	-0.0024 ppm	0.0032 ppm	0.0015 ppm	-0.0002 ppm	0.0001 ppm	-0.0009 ppm
Recovery Percentage	-2.508 %	-0.666 %	21.441 %	5.305 %	-1.984 %	2.083 %	-3.529 %
Concentration RSD	121.7 %	1.045.0 %	174.5 %	13.9 %	26.7 %	4.9 %	137.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0006 ppm	-0.0002 ppm	0.0017 ppm	0.8517 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0008 ppm	-0.0004 ppm	0.0016 ppm	0.8615 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0005 ppm	-0.0002 ppm	0.0011 ppm	0.8448 ppm	-0.0029 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm	0.0025 ppm	0.8488 ppm	0.0036 ppm
Recovery Percentage	1.637 %	3.099 %	-1.279 %	-2.067 %	3.424 %	34.069 %	-0.063 %
Concentration RSD	49.5 %	25.1 %	221.5 %	78.1 %	40.6 %	1.0 %	103.444.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0009 ppm	-0.0001 ppm	0.0001 ppm	0.0126 ppm	-0.0006 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	-0.0016 ppm	-0.0002 ppm	0.0000 ppm	0.0145 ppm	-0.0005 ppm	-0.0004 ppm	0.0011 ppm
Concentration per Run	0.0003 ppm	-0.0002 ppm	0.0006 ppm	0.0108 ppm	-0.0011 ppm	0.0010 ppm	0.0011 ppm
Concentration per Run	-0.0014 ppm	-0.0001 ppm	-0.0002 ppm	0.0126 ppm	-0.0002 ppm	0.0003 ppm	-0.0021 ppm
Recovery Percentage	-0.892 %	-1.492 %	0.253 %	0.630 %	-2.464 %	2.953 %	0.120 %
Concentration RSD	114.6 %	7.8 %	353.3 %	14.5 %	78.2 %	230.7 %	3.125.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	0.0000 ppm	0.0006 ppm	0.0000 ppm	-0.0009 ppm	0.0375 ppm	0.0000 ppm
Concentration per Run	0.0029 ppm	-0.0003 ppm	0.0007 ppm	0.0000 ppm	-0.0009 ppm	0.0404 ppm	-0.0001 ppm
Concentration per Run	-0.0010 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0009 ppm	0.0370 ppm	0.0001 ppm
Concentration per Run	0.0010 ppm	0.0000 ppm	0.0011 ppm	0.0000 ppm	-0.0009 ppm	0.0352 ppm	0.0001 ppm
Recovery Percentage	9.565 %	-0.003 %	1.209 %	-0.165 %	-9.297 %	187.488 %	0.300 %
Concentration RSD	204.9 %	1.918.1 %	95.0 %	142.5 %	2.4 %	7.0 %	424.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	110.4545 %	104.4361 %	107.6960 %	103.2761 %	100.4481 %	100.6238 %
Concentration per Run	0.0001 ppm	111.0540 %	104.6414 %	108.0022 %	103.8980 %	100.4966 %	100.8780 %
Concentration per Run	0.0003 ppm	110.0091 %	103.6017 %	108.0291 %	102.9624 %	99.6317 %	100.8440 %
Concentration per Run	0.0004 ppm	110.3005 %	105.0652 %	107.0567 %	102.9680 %	101.2159 %	100.1494 %
Recovery Percentage	4.846 %						
Concentration RSD	51.4 %	0.5 %	0.7 %	0.5 %	0.5 %	0.8 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



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Sample: 9/11/2025 5:29:11 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4852 ppm	0.4745 ppm	0.4804 ppm	0.4580 ppm	0.4720 ppm	0.4857 ppm	0.4721 ppm
Concentration per Run	0.4848 ppm	0.4722 ppm	0.4809 ppm	0.4589 ppm	0.4728 ppm	0.4876 ppm	0.4672 ppm
Concentration per Run	0.4838 ppm	0.4801 ppm	0.4833 ppm	0.4554 ppm	0.4724 ppm	0.4835 ppm	0.4777 ppm
Concentration per Run	0.4871 ppm	0.4711 ppm	0.4771 ppm	0.4597 ppm	0.4708 ppm	0.4861 ppm	0.4731 ppm
Recovery Percentage	97.050 %	94.893 %	96.081 %	91.600 %	94.395 %	97.143 %	94.532 %
Concentration RSD	0.3 %	1.0 %	0.6 %	0.5 %	0.2 %	0.4 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4914 ppm	0.4868 ppm	0.4909 ppm	0.5035 ppm	0.4806 ppm	5.1990 ppm	0.4846 ppm
Concentration per Run	0.4913 ppm	0.4887 ppm	0.4927 ppm	0.5048 ppm	0.4832 ppm	5.1797 ppm	0.4948 ppm
Concentration per Run	0.4907 ppm	0.4869 ppm	0.4890 ppm	0.5020 ppm	0.4809 ppm	5.2239 ppm	0.4795 ppm
Concentration per Run	0.4922 ppm	0.4848 ppm	0.4910 ppm	0.5036 ppm	0.4778 ppm	5.1934 ppm	0.4795 ppm
Recovery Percentage	98.278 %	97.362 %	98.179 %	100.694 %	96.129 %	103.980 %	96.919 %
Concentration RSD	0.2 %	0.4 %	0.4 %	0.3 %	0.6 %	0.4 %	1.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5031 ppm	0.4819 ppm	0.4642 ppm	9.7310 ppm	0.4910 ppm	0.4893 ppm	0.4934 ppm
Concentration per Run	0.4994 ppm	0.4824 ppm	0.4650 ppm	9.7615 ppm	0.4944 ppm	0.4876 ppm	0.4915 ppm
Concentration per Run	0.5038 ppm	0.4827 ppm	0.4632 ppm	9.7158 ppm	0.4893 ppm	0.4901 ppm	0.4938 ppm
Concentration per Run	0.5061 ppm	0.4807 ppm	0.4643 ppm	9.7156 ppm	0.4893 ppm	0.4902 ppm	0.4950 ppm
Recovery Percentage	100.620 %	96.385 %	92.835 %	97.310 %	98.197 %	97.863 %	98.683 %
Concentration RSD	0.7 %	0.2 %	0.2 %	0.3 %	0.6 %	0.3 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4634 ppm	5.2197 ppm	0.4804 ppm	0.4821 ppm	0.4895 ppm	0.4584 ppm	0.4949 ppm
Concentration per Run	0.4606 ppm	5.2204 ppm	0.4843 ppm	0.4830 ppm	0.4873 ppm	0.4526 ppm	0.4953 ppm
Concentration per Run	0.4629 ppm	5.2069 ppm	0.4792 ppm	0.4815 ppm	0.4882 ppm	0.4593 ppm	0.4939 ppm
Concentration per Run	0.4667 ppm	5.2318 ppm	0.4778 ppm	0.4819 ppm	0.4928 ppm	0.4633 ppm	0.4955 ppm
Recovery Percentage	92.679 %	99.423 %	96.088 %	96.427 %	97.891 %	91.686 %	98.987 %
Concentration RSD	0.7 %	0.2 %	0.7 %	0.2 %	0.6 %	1.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4663 ppm	102.5339 %	101.2888 %	100.7778 %	98.4543 %	98.5012 %	97.0609 %
Concentration per Run	0.4690 ppm	101.8372 %	101.5177 %	100.8659 %	97.7243 %	99.5804 %	96.9781 %
Concentration per Run	0.4659 ppm	103.0102 %	100.5698 %	100.2676 %	98.5399 %	97.2012 %	96.7420 %
Concentration per Run	0.4640 ppm	102.7543 %	101.7787 %	101.1999 %	99.0987 %	98.7219 %	97.4626 %
Recovery Percentage	93.261 %						
Concentration RSD	0.5 %	0.6 %	0.6 %	0.5 %	0.7 %	1.2 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



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Sample: 9/11/2025 5:51:17 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0031 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run	0.0000 ppm	-0.0071 ppm	0.0011 ppm	-0.0026 ppm	0.0000 ppm	0.0000 ppm	-0.0098 ppm
Concentration per Run	-0.0002 ppm	0.0170 ppm	-0.0009 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run	0.0001 ppm	-0.0007 ppm	0.0005 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0018 ppm
Recovery Percentage	-0.540 %	3.097 %	4.600 %	-0.830 %	-0.488 %	-0.029 %	-4.128 %
Concentration RSD	486.1 %	403.3 %	458.5 %	801.4 %	97.3 %	1.452.9 %	118.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0008 ppm	0.0008 ppm	0.0001 ppm	0.0006 ppm	0.1319 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0008 ppm	-0.0003 ppm	0.0012 ppm	0.1379 ppm	0.0001 ppm
Concentration per Run	0.0002 ppm	0.0006 ppm	0.0000 ppm	0.0005 ppm	0.0011 ppm	0.1247 ppm	0.0030 ppm
Concentration per Run	0.0000 ppm	0.0011 ppm	0.0002 ppm	0.0001 ppm	-0.0005 ppm	0.1331 ppm	0.0027 ppm
Recovery Percentage	1.971 %	4.154 %	1.971 %	0.780 %	1.190 %	5.277 %	38.857 %
Concentration RSD	54.0 %	33.1 %	33.1 %	515.3 %	164.6 %	5.1 %	83.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0067 ppm	-0.0005 ppm	0.0005 ppm	0.0005 ppm
Concentration per Run	0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0025 ppm	0.0005 ppm	0.0005 ppm	0.0031 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0001 ppm	-0.0107 ppm	-0.0007 ppm	0.0016 ppm	0.0016 ppm
Concentration per Run	-0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0069 ppm	0.0000 ppm	0.0008 ppm	-0.0031 ppm
Recovery Percentage	-0.096 %	-1.003 %	0.174 %	-0.335 %	-1.986 %	4.674 %	1.065 %
Concentration RSD	517.7 %	135.6 %	24.6 %	61.1 %	94.4 %	80.6 %	603.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	-0.0020 ppm	0.0010 ppm	0.0000 ppm	-0.0015 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0012 ppm	-0.0029 ppm	0.0029 ppm	0.0000 ppm	-0.0016 ppm	0.0016 ppm	-0.0003 ppm
Concentration per Run	0.0018 ppm	-0.0026 ppm	0.0001 ppm	0.0000 ppm	-0.0014 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run	0.0045 ppm	-0.0005 ppm	0.0001 ppm	-0.0001 ppm	-0.0015 ppm	0.0014 ppm	-0.0002 ppm
Recovery Percentage	24.852 %	-0.404 %	2.021 %	-0.354 %	-14.870 %	6.808 %	-2.008 %
Concentration RSD	70.5 %	65.2 %	158.8 %	244.6 %	9.2 %	16.7 %	77.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	97.9176 %	97.0006 %	97.0988 %	98.7231 %	98.1983 %	96.6895 %
Concentration per Run	0.0002 ppm	98.3633 %	96.9899 %	97.2610 %	99.1320 %	98.1688 %	96.7074 %
Concentration per Run	-0.0001 ppm	98.3846 %	96.8617 %	96.9554 %	99.1136 %	98.9558 %	96.6188 %
Concentration per Run	-0.0001 ppm	97.0050 %	97.1502 %	97.0800 %	97.9236 %	97.4702 %	96.7424 %
Recovery Percentage	-0.032 %	0.8 %	0.1 %	0.2 %	0.7 %	0.8 %	0.1 %
Concentration RSD	10.045.3 %						

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2110788-2d2 WG2110788

Analysis started at: 9/11/2025 5:55:20 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 44

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0494 ppm	1.9571 ppm	0.1191 ppm	0.9495 ppm	1.9207 ppm	0.0495 ppm	9.9470 ppm
Concentration per Run	0.0495 ppm	1.9597 ppm	0.1187 ppm	0.9503 ppm	1.9209 ppm	0.0495 ppm	9.9288 ppm
Concentration per Run	0.0496 ppm	1.9520 ppm	0.1186 ppm	0.9481 ppm	1.9171 ppm	0.0494 ppm	9.9761 ppm
Concentration per Run	0.0491 ppm	1.9597 ppm	0.1201 ppm	0.9501 ppm	1.9240 ppm	0.0495 ppm	9.9360 ppm
Concentration RSD	0.5 %	0.2 %	0.7 %	0.1 %	0.2 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0520 ppm	0.4701 ppm	0.1916 ppm	0.2477 ppm	0.9849 ppm	10.4809 ppm	0.0003 ppm
Concentration per Run	0.0519 ppm	0.4715 ppm	0.1914 ppm	0.2475 ppm	0.9850 ppm	10.4848 ppm	0.0010 ppm
Concentration per Run	0.0521 ppm	0.4698 ppm	0.1916 ppm	0.2484 ppm	0.9849 ppm	10.4739 ppm	-0.0008 ppm
Concentration per Run	0.0519 ppm	0.4691 ppm	0.1919 ppm	0.2473 ppm	0.9847 ppm	10.4838 ppm	0.0005 ppm
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	0.0 %	0.1 %	294.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.0327 ppm	0.4814 ppm	0.9548 ppm	10.3014 ppm	0.4794 ppm	0.5339 ppm	0.4993 ppm
Concentration per Run	9.8949 ppm	0.4813 ppm	0.9547 ppm	10.2953 ppm	0.4816 ppm	0.5343 ppm	0.4951 ppm
Concentration per Run	10.2077 ppm	0.4817 ppm	0.9563 ppm	10.2545 ppm	0.4790 ppm	0.5309 ppm	0.5077 ppm
Concentration per Run	9.9956 ppm	0.4812 ppm	0.9535 ppm	10.3544 ppm	0.4776 ppm	0.5367 ppm	0.4951 ppm
Concentration RSD	1.6 %	0.1 %	0.1 %	0.5 %	0.4 %	0.5 %	1.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1175 ppm	0.9290 ppm	0.9512 ppm	0.9715 ppm	0.9804 ppm	0.1144 ppm	0.5012 ppm
Concentration per Run	0.1162 ppm	0.9300 ppm	0.9543 ppm	0.9723 ppm	0.9650 ppm	0.1130 ppm	0.5008 ppm
Concentration per Run	0.1182 ppm	0.9338 ppm	0.9539 ppm	0.9686 ppm	0.9971 ppm	0.1148 ppm	0.5019 ppm
Concentration per Run	0.1181 ppm	0.9233 ppm	0.9453 ppm	0.9734 ppm	0.9790 ppm	0.1154 ppm	0.5009 ppm
Concentration RSD	1.0 %	0.6 %	0.5 %	0.3 %	1.6 %	1.1 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4643 ppm	99.9677 %	98.5609 %	97.0005 %	97.8545 %	98.0328 %	96.1678 %
Concentration per Run	0.4653 ppm	99.8139 %	98.8386 %	97.4832 %	97.1812 %	98.7906 %	96.9341 %
Concentration per Run	0.4646 ppm	99.7273 %	96.8135 %	96.8135 %	97.9711 %	97.3336 %	95.5862 %
Concentration per Run	0.4630 ppm	100.3617 %	98.3296 %	96.7047 %	98.4112 %	97.9741 %	95.9830 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.4 %	0.6 %	0.7 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555135-01 WG2112183

Analysis started at: 9/11/2025 5:58:09 PM

Comment <Comment>

Rack Number 2

Vial Numbers 40

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0155 ppm	0.0017 ppm	-0.0003 ppm	0.0185 ppm	0.0028 ppm	0.0001 ppm	0.1461 ppm
Concentration per Run	0.0155 ppm	0.0025 ppm	-0.0024 ppm	0.0192 ppm	0.0028 ppm	0.0000 ppm	0.1460 ppm
Concentration per Run	0.0155 ppm	0.0000 ppm	0.0007 ppm	0.0182 ppm	0.0027 ppm	0.0001 ppm	0.1476 ppm
Concentration per Run	0.0156 ppm	0.0027 ppm	0.0007 ppm	0.0183 ppm	0.0029 ppm	0.0001 ppm	0.1446 ppm
Concentration RSD	0.1 %	85.7 %	556.9 %	3.0 %	2.8 %	40.2 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0008 ppm	0.0061 ppm	0.3280 ppm	0.0015 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0002 ppm	0.0007 ppm	0.0070 ppm	0.3346 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0005 ppm	0.0006 ppm	0.0051 ppm	0.3231 ppm	0.0024 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0010 ppm	0.0061 ppm	0.3263 ppm	0.0003 ppm
Concentration RSD	107.5 %	63.2 %	440.8 %	20.5 %	15.5 %	1.8 %	71.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0404 ppm	0.0125 ppm	0.0000 ppm	122.1205 ppm	0.0035 ppm	0.0003 ppm	0.0013 ppm
Concentration per Run	0.0392 ppm	0.0124 ppm	-0.0003 ppm	121.6366 ppm	0.0037 ppm	-0.0001 ppm	0.0013 ppm
Concentration per Run	0.0404 ppm	0.0126 ppm	0.0001 ppm	122.1365 ppm	0.0034 ppm	0.0005 ppm	-0.0015 ppm
Concentration per Run	0.0414 ppm	0.0126 ppm	0.0002 ppm	122.5886 ppm	0.0035 ppm	0.0007 ppm	0.0042 ppm
Concentration RSD	2.7 %	0.9 %	1.841.8 %	0.4 %	4.3 %	124.8 %	215.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0038 ppm	0.0632 ppm	0.0298 ppm	0.0017 ppm	-0.0013 ppm	0.0022 ppm	0.0000 ppm
Concentration per Run	0.0052 ppm	0.0628 ppm	0.0305 ppm	0.0018 ppm	-0.0011 ppm	0.0039 ppm	0.0000 ppm
Concentration per Run	0.0014 ppm	0.0637 ppm	0.0290 ppm	0.0018 ppm	-0.0015 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	0.0048 ppm	0.0630 ppm	0.0298 ppm	0.0017 ppm	-0.0014 ppm	0.0005 ppm	0.0000 ppm
Concentration RSD	55.9 %	0.7 %	2.6 %	3.5 %	12.7 %	77.5 %	474.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0017 ppm	98.2684 %	98.2296 %	94.4405 %	96.3581 %	96.8999 %	94.3271 %
Concentration per Run	0.0018 ppm	98.3275 %	98.4907 %	93.5838 %	96.3810 %	97.1076 %	93.7805 %
Concentration per Run	0.0015 ppm	97.8270 %	97.8270 %	94.5596 %	96.6888 %	95.9650 %	94.5255 %
Concentration per Run	0.0016 ppm	97.9545 %	98.3710 %	95.1781 %	96.0246 %	97.6271 %	94.6753 %
Concentration RSD	8.3 %	0.3 %	0.4 %	0.9 %	0.3 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555148-01 WG2112183

Analysis started at: 9/11/2025 6:00:15 PM

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Rack Number 2

Vial Numbers 41

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.1244 ppm	0.0060 ppm	0.0299 ppm	0.0210 ppm	0.0000 ppm	7.4320 ppm
Concentration per Run	-0.0001 ppm	0.1254 ppm	0.0060 ppm	0.0315 ppm	0.0210 ppm	0.0000 ppm	7.4112 ppm
Concentration per Run	-0.0015 ppm	0.1240 ppm	0.0069 ppm	0.0297 ppm	0.0210 ppm	0.0000 ppm	7.4442 ppm
Concentration per Run	-0.0007 ppm	0.1238 ppm	0.0052 ppm	0.0285 ppm	0.0211 ppm	0.0000 ppm	7.4406 ppm
Concentration RSD	85.9 %	0.7 %	14.7 %	5.0 %	0.4 %	95.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0020 ppm	0.0019 ppm	0.0248 ppm	0.0709 ppm	1.0484 ppm	0.0013 ppm
Concentration per Run	0.0002 ppm	0.0019 ppm	0.0019 ppm	0.0245 ppm	0.0707 ppm	1.0488 ppm	0.0006 ppm
Concentration per Run	0.0002 ppm	0.0020 ppm	0.0020 ppm	0.0249 ppm	0.0711 ppm	1.0497 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	0.0022 ppm	0.0022 ppm	0.0249 ppm	0.0709 ppm	1.0468 ppm	0.0018 ppm
Concentration RSD	64.6 %	7.2 %	7.2 %	0.8 %	0.3 %	0.1 %	46.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.8547 ppm	0.0286 ppm	0.0012 ppm	335.4929 ppm	0.0077 ppm	0.0020 ppm	0.0018 ppm
Concentration per Run	2.8809 ppm	0.0288 ppm	0.0016 ppm	334.4826 ppm	0.0081 ppm	0.0015 ppm	0.0035 ppm
Concentration per Run	2.8492 ppm	0.0289 ppm	0.0010 ppm	336.4705 ppm	0.0078 ppm	0.0021 ppm	0.0031 ppm
Concentration per Run	2.8340 ppm	0.0282 ppm	0.0009 ppm	335.5257 ppm	0.0074 ppm	0.0023 ppm	-0.0013 ppm
Concentration RSD	0.8 %	1.2 %	33.3 %	0.3 %	4.5 %	21.4 %	149.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0062 ppm	3.5430 ppm	0.0007 ppm	0.1327 ppm	0.0047 ppm	0.0021 ppm	0.0009 ppm
Concentration per Run	0.0055 ppm	3.5539 ppm	0.0013 ppm	0.1325 ppm	0.0046 ppm	0.0008 ppm	0.0006 ppm
Concentration per Run	0.0058 ppm	3.5506 ppm	0.0008 ppm	0.1333 ppm	0.0049 ppm	0.0031 ppm	0.0011 ppm
Concentration per Run	0.0074 ppm	3.5245 ppm	-0.0001 ppm	0.1323 ppm	0.0046 ppm	0.0026 ppm	0.0009 ppm
Concentration RSD	16.2 %	0.5 %	101.7 %	0.4 %	3.8 %	55.2 %	26.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2208 ppm	96.7837 %	98.4026 %	91.8455 %	95.2530 %	98.1038 %	94.5976 %
Concentration per Run	0.2215 ppm	95.7515 %	98.5199 %	91.7127 %	94.3121 %	98.5565 %	94.6051 %
Concentration per Run	0.2210 ppm	96.8532 %	97.7358 %	91.9007 %	95.4722 %	98.2315 %	94.3540 %
Concentration per Run	0.2192 ppm	97.7463 %	97.9520 %	91.9232 %	95.9746 %	97.5233 %	94.8336 %
Concentration RSD	0.5 %	1.0 %	0.4 %	0.1 %	0.9 %	0.5 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555433-01 WG2112183

Analysis started at: 9/11/2025 6:02:21 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 42

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	0.0087 ppm	0.0039 ppm	0.6758 ppm	0.0453 ppm	0.0000 ppm	58.6093 ppm
Concentration per Run	-0.0007 ppm	-0.0034 ppm	0.0044 ppm	0.6723 ppm	0.0455 ppm	0.0000 ppm	58.6666 ppm
Concentration per Run	-0.0012 ppm	0.0145 ppm	0.0044 ppm	0.6791 ppm	0.0452 ppm	0.0000 ppm	58.6465 ppm
Concentration per Run	-0.0007 ppm	0.0151 ppm	0.0029 ppm	0.6760 ppm	0.0452 ppm	0.0000 ppm	58.5149 ppm
Concentration RSD	33.5 %	120.7 %	22.0 %	0.5 %	0.4 %	2.427 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	0.0013 ppm	0.0005 ppm	0.0138 ppm	0.6269 ppm	9.6269 ppm	0.0004 ppm
Concentration per Run	-0.0006 ppm	0.0008 ppm	0.0005 ppm	0.0139 ppm	0.6284 ppm	9.6511 ppm	0.0004 ppm
Concentration per Run	-0.0006 ppm	0.0015 ppm	0.0008 ppm	0.0136 ppm	0.6281 ppm	9.6322 ppm	0.0003 ppm
Concentration per Run	-0.0006 ppm	0.0014 ppm	0.0003 ppm	0.0140 ppm	0.6241 ppm	9.5973 ppm	0.0003 ppm
Concentration RSD	4.9 %	29.3 %	45.1 %	1.2 %	0.4 %	0.3 %	19.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.7795 ppm	0.0632 ppm	0.0047 ppm	259.5528 ppm	0.0049 ppm	0.0012 ppm	0.0037 ppm
Concentration per Run	6.7840 ppm	0.0637 ppm	0.0042 ppm	259.6934 ppm	0.0049 ppm	0.0018 ppm	0.0020 ppm
Concentration per Run	6.7980 ppm	0.0628 ppm	0.0047 ppm	259.0190 ppm	0.0048 ppm	0.0023 ppm	0.0055 ppm
Concentration per Run	6.7564 ppm	0.0632 ppm	0.0053 ppm	259.9459 ppm	0.0049 ppm	-0.0004 ppm	0.0035 ppm
Concentration RSD	0.3 %	0.7 %	11.4 %	0.2 %	1.0 %	120.7 %	48.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	3.9877 ppm	0.0019 ppm	0.3051 ppm	-0.0013 ppm	0.0027 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	3.9730 ppm	0.0023 ppm	0.3056 ppm	-0.0013 ppm	0.0035 ppm	0.0007 ppm
Concentration per Run	0.0045 ppm	4.0041 ppm	0.0014 ppm	0.3037 ppm	-0.0011 ppm	0.0026 ppm	0.0011 ppm
Concentration per Run	-0.0017 ppm	3.9859 ppm	0.0021 ppm	0.3060 ppm	-0.0015 ppm	0.0020 ppm	0.0011 ppm
Concentration RSD	326.0 %	0.4 %	22.8 %	0.4 %	17.2 %	28.0 %	20.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.3015 ppm	95.1251 %	96.3051 %	89.5639 %	92.6114 %	96.5279 %	91.8172 %
Concentration per Run	2.3051 ppm	95.4787 %	96.4576 %	90.0265 %	93.3131 %	96.9157 %	92.2310 %
Concentration per Run	2.3042 ppm	95.0474 %	95.8814 %	89.2969 %	92.8428 %	95.4907 %	91.6107 %
Concentration per Run	2.2953 ppm	94.8493 %	96.5762 %	89.3684 %	91.6783 %	97.1771 %	91.6098 %
Concentration RSD	0.2 %	0.3 %	0.4 %	0.4 %	0.9 %	0.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555433-02 WG2112183

Analysis started at: 9/11/2025 6:04:27 PM

Comment <Comment>

Rack Number 2

Vial Numbers 43

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.0397 ppm	0.0021 ppm	0.0840 ppm	0.0215 ppm	0.0000 ppm	144.3927 ppm
Concentration per Run	-0.0012 ppm	0.0425 ppm	0.0017 ppm	0.0844 ppm	0.0216 ppm	0.0001 ppm	144.1972 ppm
Concentration per Run	-0.0002 ppm	0.0340 ppm	0.0022 ppm	0.0832 ppm	0.0215 ppm	0.0001 ppm	144.8871 ppm
Concentration per Run	-0.0009 ppm	0.0426 ppm	0.0024 ppm	0.0845 ppm	0.0215 ppm	0.0000 ppm	144.0937 ppm
Concentration RSD	67.7 %	12.5 %	17.8 %	0.8 %	0.4 %	173.9 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0015 ppm	0.0030 ppm	0.0010 ppm	0.0010 ppm	0.1696 ppm	10.8724 ppm	-0.0019 ppm
Concentration per Run	-0.0015 ppm	0.0028 ppm	0.0010 ppm	0.0010 ppm	0.1692 ppm	10.8636 ppm	-0.0010 ppm
Concentration per Run	-0.0015 ppm	0.0030 ppm	0.0010 ppm	0.0008 ppm	0.1706 ppm	10.8914 ppm	-0.0009 ppm
Concentration per Run	-0.0015 ppm	0.0032 ppm	0.0010 ppm	0.0012 ppm	0.1689 ppm	10.8623 ppm	-0.0036 ppm
Concentration RSD	0.2 %	6.9 %	1.7 %	21.4 %	0.5 %	0.2 %	83.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.4328 ppm	0.0434 ppm	0.0013 ppm	431.5425 ppm	0.0536 ppm	-0.0004 ppm	0.0017 ppm
Concentration per Run	17.5647 ppm	0.0435 ppm	0.0013 ppm	431.4513 ppm	0.0536 ppm	0.0007 ppm	0.0049 ppm
Concentration per Run	17.3351 ppm	0.0434 ppm	0.0012 ppm	430.5490 ppm	0.0536 ppm	-0.0013 ppm	-0.0013 ppm
Concentration per Run	17.3985 ppm	0.0433 ppm	0.0012 ppm	432.6272 ppm	0.0536 ppm	-0.0006 ppm	0.0014 ppm
Concentration RSD	0.7 %	0.2 %	5.0 %	0.2 %	0.1 %	237.2 %	187.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	7.3373 ppm	0.0008 ppm	0.2635 ppm	-0.0013 ppm	0.0024 ppm	0.0033 ppm
Concentration per Run	-0.0025 ppm	7.3513 ppm	-0.0008 ppm	0.2621 ppm	-0.0013 ppm	0.0031 ppm	0.0033 ppm
Concentration per Run	0.0030 ppm	7.3309 ppm	0.0014 ppm	0.2642 ppm	-0.0014 ppm	0.0020 ppm	0.0033 ppm
Concentration per Run	0.0033 ppm	7.3299 ppm	0.0018 ppm	0.2643 ppm	-0.0010 ppm	0.0020 ppm	0.0032 ppm
Concentration RSD	260.4 %	0.2 %	176.6 %	0.5 %	15.3 %	26.7 %	1.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2062 ppm	91.8456 %	91.8456 %	96.4437 %	85.8746 %	89.8750 %	89.0580 %
Concentration per Run	0.2064 ppm	91.8387 %	91.8387 %	96.5009 %	85.6777 %	89.8017 %	89.1111 %
Concentration per Run	0.2062 ppm	92.0726 %	92.0726 %	96.1077 %	86.2737 %	90.2554 %	89.4203 %
Concentration per Run	0.2059 ppm	91.6255 %	91.6255 %	96.7226 %	85.6723 %	89.5679 %	88.6425 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.3 %	0.4 %	0.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: XL2554192-06d2 WG2111349
Analysis started at: 9/11/2025 6:12:32 PM
Comment: <Comment>
Rack Number: 2
Vial Numbers: 45

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0027 ppm	424.3688 ppm	0.0282 ppm	0.4871 ppm	3.3064 ppm	0.0503 ppm	1,758.3547 [SIC 1000]
Concentration per Run	0.0030 ppm	424.3587 ppm	0.0307 ppm	0.4903 ppm	3.3049 ppm	0.0504 ppm	1,764.0919 ppm
Concentration per Run	0.0023 ppm	424.6037 ppm	0.0281 ppm	0.4834 ppm	3.3002 ppm	0.0502 ppm	1,754.3187 ppm
Concentration per Run	0.0028 ppm	424.1441 ppm	0.0259 ppm	0.4877 ppm	3.3141 ppm	0.0504 ppm	1,756.6536 ppm
Concentration RSD	13.3 %	0.1 %	8.5 %	0.7 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0103 ppm	0.0139 ppm	0.5106 ppm	0.2596 ppm	226.4110 ppm	22.5414 ppm	0.2365 ppm
Concentration per Run	-0.0106 ppm	0.0143 ppm	0.5111 ppm	0.2592 ppm	225.4989 ppm	22.5332 ppm	0.2144 ppm
Concentration per Run	-0.0103 ppm	0.0134 ppm	0.5092 ppm	0.2600 ppm	227.3700 ppm	22.4997 ppm	0.2512 ppm
Concentration per Run	-0.0100 ppm	0.0140 ppm	0.5115 ppm	0.2597 ppm	226.3641 ppm	22.5912 ppm	0.2440 ppm
Concentration RSD	3.2 %	3.3 %	0.2 %	0.1 %	0.4 %	0.2 %	8.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	182.5799 ppm	42.8678 [SIC 80]	0.0230 ppm	10.6922 ppm	0.1289 ppm	1.0288 ppm	-0.0047 ppm
Concentration per Run	182.1173 ppm	42.8615 ppm	0.0231 ppm	10.6692 ppm	0.1279 ppm	1.0333 ppm	-0.0085 ppm
Concentration per Run	182.7494 ppm	42.8977 ppm	0.0229 ppm	10.7359 ppm	0.1288 ppm	1.0234 ppm	-0.0060 ppm
Concentration per Run	182.8731 ppm	42.8443 ppm	0.0231 ppm	10.6716 ppm	0.1299 ppm	1.0298 ppm	0.0004 ppm
Concentration RSD	0.2 %	0.1 %	0.6 %	0.4 %	0.8 %	0.5 %	97.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0145 ppm	12.0643 ppm	0.0317 ppm	4.4419 ppm	6.2069 ppm	-0.0063 ppm	0.1072 ppm
Concentration per Run	0.0175 ppm	12.0982 ppm	0.0320 ppm	4.4402 ppm	6.2004 ppm	-0.0060 ppm	0.1066 ppm
Concentration per Run	0.0175 ppm	12.0219 ppm	0.0330 ppm	4.4339 ppm	6.2102 ppm	-0.0057 ppm	0.1073 ppm
Concentration per Run	0.0084 ppm	12.0727 ppm	0.0302 ppm	4.4516 ppm	6.2101 ppm	-0.0071 ppm	0.1078 ppm
Concentration RSD	36.5 %	0.3 %	4.4 %	0.2 %	0.1 %	11.6 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	41.3284 [SIC 60]	97.0744 %	106.9861 %	84.1288 %	148.2580 %	171.2308 %	148.1784 %
Concentration per Run	41.4570 ppm	96.7098 %	107.2831 %	83.7698 %	147.4923 %	171.0470 %	147.6008 %
Concentration per Run	41.2174 ppm	97.3137 %	107.3867 %	84.1201 %	148.6263 %	171.7501 %	148.3540 %
Concentration per Run	41.3108 ppm	97.1996 %	106.2884 %	84.4965 %	148.6555 %	170.8954 %	148.5803 %
Concentration RSD	0.3 %	0.3 %	0.6 %	0.4 %	0.4 %	0.3 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 6:15:00 PM

Analysis started at:

Comment: <Comment>

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5055 ppm	0.4937 ppm	0.4895 ppm	0.4758 ppm	0.4893 ppm	0.5053 ppm	0.5062 ppm
Concentration per Run	0.5039 ppm	0.4818 ppm	0.4925 ppm	0.4732 ppm	0.4908 ppm	0.5071 ppm	0.5073 ppm
Concentration per Run	0.5058 ppm	0.4951 ppm	0.4916 ppm	0.4760 ppm	0.4859 ppm	0.5005 ppm	0.5033 ppm
Concentration per Run	0.5067 ppm	0.5042 ppm	0.4843 ppm	0.4783 ppm	0.4913 ppm	0.5083 ppm	0.5080 ppm
Recovery Percentage	101.094 %	98.740 %	97.898 %	95.166 %	97.864 %	101.061 %	101.242 %
Concentration RSD	0.3 %	2.3 %	0.9 %	0.5 %	0.6 %	0.8 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5127 ppm	0.5083 ppm	0.5112 ppm	0.5242 ppm	0.4988 ppm	5.2009 ppm	0.5083 ppm
Concentration per Run	0.5103 ppm	0.5080 ppm	0.5088 ppm	0.5232 ppm	0.4999 ppm	5.2273 ppm	0.5175 ppm
Concentration per Run	0.5140 ppm	0.5078 ppm	0.5132 ppm	0.5246 ppm	0.4981 ppm	5.1617 ppm	0.5004 ppm
Concentration per Run	0.5138 ppm	0.5091 ppm	0.5115 ppm	0.5248 ppm	0.4985 ppm	5.2138 ppm	0.5069 ppm
Recovery Percentage	102.547 %	101.660 %	102.233 %	104.834 %	99.766 %	104.019 %	101.652 %
Concentration RSD	0.4 %	0.1 %	0.4 %	0.2 %	0.2 %	0.7 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5307 ppm	0.5013 ppm	0.4844 ppm	10.1055 ppm	0.5111 ppm	0.5131 ppm	0.5135 ppm
Concentration per Run	0.5315 ppm	0.5018 ppm	0.4816 ppm	10.0413 ppm	0.5076 ppm	0.5131 ppm	0.5123 ppm
Concentration per Run	0.5290 ppm	0.5009 ppm	0.4850 ppm	10.1065 ppm	0.5130 ppm	0.5144 ppm	0.5159 ppm
Concentration per Run	0.5315 ppm	0.5014 ppm	0.4865 ppm	10.1686 ppm	0.5128 ppm	0.5120 ppm	0.5122 ppm
Recovery Percentage	106.134 %	100.267 %	96.876 %	101.055 %	102.226 %	102.630 %	102.694 %
Concentration RSD	0.3 %	0.1 %	0.5 %	0.6 %	0.6 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4833 ppm	5.4486 ppm	0.4954 ppm	0.5002 ppm	0.5113 ppm	0.4953 ppm	0.5172 ppm
Concentration per Run	0.4837 ppm	5.4249 ppm	0.4941 ppm	0.5023 ppm	0.5084 ppm	0.4981 ppm	0.5160 ppm
Concentration per Run	0.4888 ppm	5.4579 ppm	0.4965 ppm	0.4946 ppm	0.5115 ppm	0.4948 ppm	0.5179 ppm
Concentration per Run	0.4775 ppm	5.4628 ppm	0.4957 ppm	0.5037 ppm	0.5141 ppm	0.4929 ppm	0.5178 ppm
Recovery Percentage	96.669 %	103.782 %	99.085 %	100.039 %	102.263 %	99.051 %	103.449 %
Concentration RSD	1.2 %	0.4 %	0.3 %	1.0 %	0.6 %	0.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4863 ppm	98.9200 %	96.9818 %	96.7053 %	97.1267 %	96.4741 %	95.4030 %
Concentration per Run	0.4847 ppm	99.8814 %	97.7851 %	96.2775 %	97.9668 %	96.6869 %	94.9403 %
Concentration per Run	0.4872 ppm	98.1524 %	97.0163 %	96.4579 %	96.5138 %	97.3611 %	95.2600 %
Concentration per Run	0.4872 ppm	98.7263 %	96.1438 %	97.3806 %	96.8995 %	95.3745 %	96.0087 %
Recovery Percentage	97.266 %						
Concentration RSD	0.3 %	0.9 %	0.8 %	0.6 %	0.8 %	1.0 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 6:17:05 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.0035 ppm	0.0012 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0071 ppm
Concentration per Run	-0.0007 ppm	0.0064 ppm	0.0011 ppm	0.0006 ppm	-0.0002 ppm	0.0001 ppm	0.0064 ppm
Concentration per Run	-0.0007 ppm	0.0043 ppm	0.0000 ppm	0.0028 ppm	0.0000 ppm	0.0000 ppm	0.0093 ppm
Concentration per Run	-0.0005 ppm	-0.0002 ppm	0.0025 ppm	0.0005 ppm	-0.0002 ppm	0.0000 ppm	0.0058 ppm
Recovery Percentage	-8.784 %	3.497 %	24.190 %	4.380 %	-1.295 %	0.799 %	7.149 %
Concentration RSD	16.4 %	95.9 %	104.1 %	98.9 %	113.1 %	159.6 %	26.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0007 ppm	0.0007 ppm	0.0001 ppm	0.0010 ppm	0.0735 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0002 ppm	0.0017 ppm	0.0583 ppm	0.0022 ppm
Concentration per Run	0.0000 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0863 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0002 ppm	0.0002 ppm	0.0013 ppm	0.0759 ppm	-0.0007 ppm
Recovery Percentage	0.602 %	3.317 %	0.144 %	1.165 %	2.024 %	2.939 %	14.862 %
Concentration RSD	182.2 %	53.8 %	2,017.6 %	87.4 %	91.0 %	19.3 %	199.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0032 ppm	-0.0001 ppm	-0.0001 ppm	0.0094 ppm	-0.0005 ppm	0.0006 ppm	0.0025 ppm
Concentration per Run	-0.0048 ppm	-0.0001 ppm	-0.0001 ppm	0.0079 ppm	-0.0014 ppm	0.0011 ppm	0.0073 ppm
Concentration per Run	-0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0121 ppm	-0.0004 ppm	0.0009 ppm	-0.0034 ppm
Concentration per Run	-0.0045 ppm	-0.0001 ppm	-0.0001 ppm	0.0083 ppm	0.0002 ppm	-0.0001 ppm	0.0036 ppm
Recovery Percentage	-3.152 %	-0.651 %	-0.254 %	0.471 %	-2.148 %	6.239 %	5.015 %
Concentration RSD	80.8 %	65.8 %	50.5 %	24.5 %	144.4 %	105.3 %	215.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	-0.0035 ppm	0.0011 ppm	0.0000 ppm	-0.0015 ppm	0.0033 ppm	0.0001 ppm
Concentration per Run	0.0026 ppm	-0.0044 ppm	0.0011 ppm	0.0001 ppm	-0.0015 ppm	0.0052 ppm	-0.0002 ppm
Concentration per Run	-0.0011 ppm	-0.0049 ppm	0.0000 ppm	-0.0001 ppm	-0.0017 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run	-0.0024 ppm	-0.0013 ppm	0.0021 ppm	0.0001 ppm	-0.0013 ppm	0.0033 ppm	0.0002 ppm
Recovery Percentage	-2.771 %	-0.703 %	2.126 %	-0.050 %	-14.963 %	16.537 %	1.027 %
Concentration RSD	926.2 %	54.7 %	95.8 %	2426.6 %	13.7 %	56.9 %	246.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	98.5123 %	97.0001 %	97.4971 %	99.2882 %	98.9262 %	97.1461 %
Concentration per Run	0.0006 ppm	98.7236 %	96.3758 %	96.9397 %	99.7233 %	98.8692 %	96.6374 %
Concentration per Run	0.0005 ppm	98.9941 %	97.9513 %	97.9513 %	99.0395 %	98.9667 %	97.6222 %
Concentration per Run	0.0006 ppm	97.8191 %	97.1055 %	97.6002 %	99.1017 %	98.9429 %	97.1786 %
Recovery Percentage	11.870 %	0.6 %	0.6 %	0.5 %	0.4 %	0.1 %	0.5 %
Concentration RSD	11.1 %	0.6 %	0.6 %	0.5 %	0.4 %	0.1 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112034-2 WG2112034

Analysis started at: 9/11/2025 6:38:11 PM

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Rack Number 2

Vial Numbers 46

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0549 ppm	2.0823 ppm	0.1232 ppm	0.9597 ppm	1.9914 ppm	0.0516 ppm	10.1683 ppm
Concentration per Run	0.0542 ppm	2.0813 ppm	0.1223 ppm	0.9561 ppm	1.9850 ppm	0.0515 ppm	10.1465 ppm
Concentration per Run	0.0556 ppm	2.0936 ppm	0.1225 ppm	0.9691 ppm	1.9950 ppm	0.0515 ppm	10.1763 ppm
Concentration per Run	0.0548 ppm	2.0721 ppm	0.1247 ppm	0.9538 ppm	1.9941 ppm	0.0517 ppm	10.1822 ppm
Concentration RSD	1.3 %	0.5 %	1.1 %	0.9 %	0.3 %	0.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0543 ppm	0.4973 ppm	0.2038 ppm	0.2602 ppm	1.0206 ppm	10.4193 ppm	0.0000 ppm
Concentration per Run	0.0543 ppm	0.4947 ppm	0.2028 ppm	0.2592 ppm	1.0155 ppm	10.3738 ppm	-0.0002 ppm
Concentration per Run	0.0551 ppm	0.5000 ppm	0.2056 ppm	0.2603 ppm	1.0245 ppm	10.4513 ppm	-0.0003 ppm
Concentration per Run	0.0536 ppm	0.4974 ppm	0.2030 ppm	0.2612 ppm	1.0217 ppm	10.4329 ppm	0.0004 ppm
Concentration RSD	1.3 %	0.5 %	0.8 %	0.4 %	0.4 %	0.4 %	3.140.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.5978 ppm	0.5031 ppm	0.9771 ppm	10.3783 ppm	0.5086 ppm	0.5428 ppm	0.5165 ppm
Concentration per Run	10.5998 ppm	0.5034 ppm	0.9712 ppm	10.3959 ppm	0.5074 ppm	0.5436 ppm	0.5126 ppm
Concentration per Run	10.7449 ppm	0.5031 ppm	0.9865 ppm	10.4522 ppm	0.5107 ppm	0.5440 ppm	0.5177 ppm
Concentration per Run	10.4486 ppm	0.5027 ppm	0.9736 ppm	10.2866 ppm	0.5077 ppm	0.5409 ppm	0.5191 ppm
Concentration RSD	1.4 %	0.1 %	0.8 %	0.8 %	0.4 %	0.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1191 ppm	1.0869 ppm	0.9767 ppm	0.9905 ppm	1.0236 ppm	0.1195 ppm	0.5278 ppm
Concentration per Run	0.1200 ppm	1.0797 ppm	0.9703 ppm	0.9866 ppm	1.0176 ppm	0.1189 ppm	0.5251 ppm
Concentration per Run	0.1202 ppm	1.0953 ppm	0.9795 ppm	0.9945 ppm	1.0386 ppm	0.1198 ppm	0.5305 ppm
Concentration per Run	0.1173 ppm	1.0858 ppm	0.9803 ppm	0.9904 ppm	1.0147 ppm	0.1199 ppm	0.5278 ppm
Concentration RSD	1.4 %	0.7 %	0.6 %	0.4 %	1.3 %	0.5 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4882 ppm	101.0232 %	99.6255 %	98.1200 %	99.7518 %	100.0663 %	97.3359 %
Concentration per Run	0.4875 ppm	101.1854 %	99.8476 %	98.1791 %	99.5605 %	100.9929 %	97.3297 %
Concentration per Run	0.4935 ppm	100.0466 %	99.7842 %	98.1399 %	98.7311 %	100.1813 %	97.7404 %
Concentration per Run	0.4835 ppm	101.8376 %	99.2445 %	98.0410 %	100.9637 %	99.0246 %	96.9378 %
Concentration RSD	1.0 %	0.9 %	0.3 %	0.1 %	1.1 %	1.0 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 6:40:27 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5019 ppm	0.4834 ppm	0.4858 ppm	0.4712 ppm	0.4914 ppm	0.5068 ppm	0.4952 ppm
Concentration per Run	0.4997 ppm	0.4777 ppm	0.4872 ppm	0.4699 ppm	0.4872 ppm	0.5093 ppm	0.4953 ppm
Concentration per Run	0.5022 ppm	0.4846 ppm	0.4856 ppm	0.4699 ppm	0.4924 ppm	0.5027 ppm	0.4946 ppm
Concentration per Run	0.5038 ppm	0.4878 ppm	0.4846 ppm	0.4761 ppm	0.4923 ppm	0.5083 ppm	0.4957 ppm
Recovery Percentage	100.382 %	96.678 %	97.161 %	94.240 %	98.289 %	101.354 %	99.036 %
Concentration RSD	0.4 %	1.1 %	0.3 %	0.9 %	0.3 %	0.7 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5089 ppm	0.5017 ppm	0.5069 ppm	0.5200 ppm	0.4955 ppm	5.1734 ppm	0.5027 ppm
Concentration per Run	0.5048 ppm	0.5041 ppm	0.5059 ppm	0.5179 ppm	0.4962 ppm	5.1341 ppm	0.4997 ppm
Concentration per Run	0.5093 ppm	0.4985 ppm	0.5064 ppm	0.5224 ppm	0.4957 ppm	5.2002 ppm	0.5058 ppm
Concentration per Run	0.5126 ppm	0.5026 ppm	0.5065 ppm	0.5197 ppm	0.4947 ppm	5.1858 ppm	0.5027 ppm
Recovery Percentage	101.786 %	100.343 %	101.389 %	103.997 %	99.106 %	103.467 %	100.542 %
Concentration RSD	0.8 %	0.6 %	0.3 %	0.4 %	0.1 %	0.7 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5234 ppm	0.5011 ppm	0.4794 ppm	10.1339 ppm	0.5064 ppm	0.5105 ppm	0.5077 ppm
Concentration per Run	0.5204 ppm	0.5008 ppm	0.4757 ppm	10.0951 ppm	0.5087 ppm	0.5053 ppm	0.5055 ppm
Concentration per Run	0.5218 ppm	0.5009 ppm	0.4803 ppm	10.1577 ppm	0.5051 ppm	0.5125 ppm	0.5095 ppm
Concentration per Run	0.5279 ppm	0.5014 ppm	0.4821 ppm	10.1490 ppm	0.5089 ppm	0.5104 ppm	0.5081 ppm
Recovery Percentage	104.672 %	100.212 %	95.878 %	101.339 %	101.283 %	102.105 %	101.537 %
Concentration RSD	0.8 %	0.1 %	0.7 %	0.3 %	0.4 %	0.4 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4794 ppm	5.3868 ppm	0.4939 ppm	0.5023 ppm	0.5070 ppm	0.4916 ppm	0.5129 ppm
Concentration per Run	0.4766 ppm	5.3600 ppm	0.4858 ppm	0.5025 ppm	0.4911 ppm	0.5119 ppm	0.5119 ppm
Concentration per Run	0.4781 ppm	5.3923 ppm	0.4978 ppm	0.5013 ppm	0.5065 ppm	0.4939 ppm	0.5137 ppm
Concentration per Run	0.4833 ppm	5.4080 ppm	0.4980 ppm	0.5032 ppm	0.5095 ppm	0.4897 ppm	0.5132 ppm
Recovery Percentage	95.873 %	102.605 %	98.777 %	100.468 %	101.409 %	98.315 %	102.587 %
Concentration RSD	0.7 %	0.5 %	1.4 %	0.2 %	0.4 %	0.4 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4796 ppm	99.3276 %	97.4557 %	97.1850 %	97.3894 %	97.5905 %	95.9764 %
Concentration per Run	0.4767 ppm	100.1329 %	98.2416 %	97.1342 %	98.4991 %	97.6175 %	95.5104 %
Concentration per Run	0.4799 ppm	99.4950 %	97.5256 %	97.0841 %	97.4000 %	96.9864 %	96.1552 %
Concentration per Run	0.4822 ppm	98.3549 %	97.5999 %	97.3368 %	96.2689 %	98.1676 %	96.2637 %
Recovery Percentage	95.915 %						
Concentration RSD	0.6 %	0.9 %	0.9 %	0.1 %	1.1 %	0.6 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 6:42:33 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0076 ppm	-0.0011 ppm	0.0007 ppm	-0.0001 ppm	0.0001 ppm	-0.0024 ppm
Concentration per Run	0.0004 ppm	0.0004 ppm	0.0002 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run	-0.0009 ppm	-0.0078 ppm	-0.0030 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm	-0.0024 ppm
Concentration per Run	-0.0006 ppm	-0.0103 ppm	-0.0005 ppm	0.0001 ppm	-0.0003 ppm	0.0000 ppm	-0.0062 ppm
Recovery Percentage	-5.308 %	-7.556 %	-22.299 %	2.317 %	-1.486 %	1.372 %	-2.427 %
Concentration RSD	182.3 %	38.4 %	150.3 %	71.4 %	79.0 %	89.8 %	155.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	-0.0001 ppm	0.0314 ppm	-0.0008 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0003 ppm	0.0001 ppm	-0.0006 ppm	0.0416 ppm	-0.0020 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	-0.0003 ppm	0.0003 ppm	0.0010 ppm	0.0295 ppm	-0.0006 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0006 ppm	-0.0005 ppm	0.0233 ppm	0.0002 ppm
Recovery Percentage	1.732 %	3.106 %	0.053 %	3.528 %	-0.105 %	1.258 %	-16.395 %
Concentration RSD	21.8 %	35.7 %	5.448.4 %	74.0 %	1,740.0 %	29.6 %	135.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0017 ppm	-0.0002 ppm	0.0003 ppm	-0.0015 ppm	-0.0004 ppm	0.0007 ppm	0.0025 ppm
Concentration per Run	-0.0038 ppm	-0.0004 ppm	0.0002 ppm	0.0017 ppm	-0.0005 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run	-0.0003 ppm	-0.0001 ppm	0.0002 ppm	-0.0065 ppm	-0.0009 ppm	0.0010 ppm	0.0035 ppm
Concentration per Run	-0.0012 ppm	0.0000 ppm	0.0006 ppm	0.0004 ppm	0.0002 ppm	0.0008 ppm	0.0032 ppm
Recovery Percentage	-1.743 %	-1.919 %	0.657 %	-0.074 %	-1.630 %	7.106 %	4.955 %
Concentration RSD	104.0 %	95.3 %	60.3 %	299.7 %	134.7 %	44.1 %	62.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	-0.0025 ppm	0.0016 ppm	-0.0001 ppm	-0.0016 ppm	0.0027 ppm	0.0001 ppm
Concentration per Run	0.0015 ppm	-0.0030 ppm	0.0016 ppm	0.0000 ppm	-0.0019 ppm	0.0028 ppm	0.0004 ppm
Concentration per Run	0.0012 ppm	-0.0013 ppm	0.0014 ppm	-0.0001 ppm	-0.0014 ppm	0.0029 ppm	0.0000 ppm
Concentration per Run	-0.0025 ppm	-0.0033 ppm	0.0017 ppm	-0.0001 ppm	-0.0015 ppm	0.0023 ppm	-0.0001 ppm
Recovery Percentage	0.612 %	-0.504 %	3.109 %	-0.579 %	-15.766 %	13.420 %	0.948 %
Concentration RSD	3.638.5 %	41.2 %	10.7 %	23.4 %	17.4 %	11.6 %	254.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.1964 %	95.8369 %	95.9170 %	97.9646 %	97.3932 %	95.7109 %
Concentration per Run	0.0000 ppm	97.5606 %	95.5117 %	96.5634 %	97.8195 %	97.1616 %	96.3038 %
Concentration per Run	0.0003 ppm	97.1657 %	95.8622 %	95.4246 %	98.1684 %	97.4624 %	95.3157 %
Concentration per Run	0.0003 ppm	96.8630 %	96.1368 %	95.7631 %	97.9059 %	97.5556 %	95.5133 %
Recovery Percentage	4.040 %						
Concentration RSD	81.2 %	0.4 %	0.3 %	0.6 %	0.2 %	0.2 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-1 WG2112482

Analysis started at: 9/11/2025 7:01:31 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 47

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0043 ppm	0.0012 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0143 ppm
Concentration per Run	-0.0001 ppm	-0.0044 ppm	0.0012 ppm	-0.0044 ppm	-0.0001 ppm	0.0001 ppm	0.0140 ppm
Concentration per Run	-0.0008 ppm	0.0015 ppm	0.0007 ppm	-0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0160 ppm
Concentration per Run	-0.0006 ppm	-0.0101 ppm	0.0016 ppm	0.0005 ppm	-0.0003 ppm	0.0000 ppm	0.0128 ppm
Concentration RSD	80.8 %	134.9 %	38.6 %	207.5 %	78.4 %	47.5 %	11.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0048 ppm	0.0352 ppm	-0.0009 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0046 ppm	0.0197 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	0.0012 ppm	-0.0004 ppm	0.0002 ppm	0.0056 ppm	0.0592 ppm	-0.0032 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0043 ppm	0.0266 ppm	-0.0002 ppm
Concentration RSD	97.3 %	70.5 %	29.872.1 %	68.5 %	14.3 %	59.9 %	241.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0005 ppm	0.0005 ppm	0.0000 ppm	0.0019 ppm	0.0006 ppm	0.0004 ppm	0.0025 ppm
Concentration per Run	-0.0007 ppm	0.0005 ppm	0.0001 ppm	0.0038 ppm	-0.0005 ppm	0.0003 ppm	0.0041 ppm
Concentration per Run	-0.0008 ppm	0.0006 ppm	-0.0004 ppm	0.0010 ppm	0.0012 ppm	-0.0002 ppm	-0.0020 ppm
Concentration per Run	0.0030 ppm	0.0005 ppm	0.0002 ppm	0.0009 ppm	0.0011 ppm	0.0010 ppm	0.0054 ppm
Concentration RSD	424.0 %	16.6 %	1.110.4 %	87.0 %	164.5 %	156.5 %	159.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	0.0046 ppm	0.0003 ppm	0.0000 ppm	-0.0016 ppm	0.0018 ppm	-0.0004 ppm
Concentration per Run	0.0016 ppm	0.0047 ppm	-0.0010 ppm	0.0001 ppm	-0.0016 ppm	0.0024 ppm	-0.0004 ppm
Concentration per Run	0.0008 ppm	0.0042 ppm	0.0007 ppm	0.0000 ppm	-0.0017 ppm	0.0025 ppm	0.0000 ppm
Concentration per Run	0.0019 ppm	0.0049 ppm	0.0010 ppm	0.0000 ppm	-0.0016 ppm	0.0006 ppm	-0.0002 ppm
Concentration RSD	38.0 %	7.7 %	414.0 %	378.2 %	2.6 %	60.2 %	87.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0020 ppm	99.5944 %	97.6129 %	98.1266 %	100.7385 %	98.4755 %	97.7662 %
Concentration per Run	0.0022 ppm	99.6263 %	97.1853 %	97.9598 %	100.4202 %	96.7050 %	97.6163 %
Concentration per Run	0.0018 ppm	99.6172 %	98.0918 %	97.7848 %	101.0343 %	100.0300 %	97.7201 %
Concentration per Run	0.0019 ppm	99.5397 %	97.8636 %	98.3284 %	100.7610 %	98.6914 %	97.9622 %
Concentration RSD	9.7 %	0.0 %	0.4 %	0.2 %	0.3 %	1.7 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-2 WG2112482

Analysis started at: 9/11/2025 7:03:47 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 48

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0534 ppm	2.0270 ppm	0.1189 ppm	0.9304 ppm	1.9378 ppm	0.0499 ppm	9.9132 ppm
Concentration per Run	0.0535 ppm	2.0417 ppm	0.1206 ppm	0.9299 ppm	1.9323 ppm	0.0503 ppm	9.9136 ppm
Concentration per Run	0.0539 ppm	2.0277 ppm	0.1198 ppm	0.9325 ppm	1.9388 ppm	0.0496 ppm	9.9108 ppm
Concentration per Run	0.0526 ppm	2.0116 ppm	0.1162 ppm	0.9289 ppm	1.9424 ppm	0.0498 ppm	9.9151 ppm
Concentration RSD	1.3 %	0.7 %	1.9 %	0.2 %	0.3 %	0.7 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0525 ppm	0.4841 ppm	0.1984 ppm	0.2529 ppm	0.9858 ppm	10.1650 ppm	-0.0011 ppm
Concentration per Run	0.0525 ppm	0.4833 ppm	0.1985 ppm	0.2533 ppm	0.9933 ppm	10.1835 ppm	-0.0028 ppm
Concentration per Run	0.0526 ppm	0.4828 ppm	0.1984 ppm	0.2530 ppm	0.9808 ppm	10.1107 ppm	-0.0021 ppm
Concentration per Run	0.0524 ppm	0.4862 ppm	0.1983 ppm	0.2524 ppm	0.9831 ppm	10.2009 ppm	0.0014 ppm
Concentration RSD	0.2 %	0.4 %	0.1 %	0.2 %	0.7 %	0.5 %	195.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.2274 ppm	0.4881 ppm	0.9531 ppm	10.0339 ppm	0.4940 ppm	0.5301 ppm	0.4991 ppm
Concentration per Run	10.2782 ppm	0.4866 ppm	0.9514 ppm	9.8759 ppm	0.4921 ppm	0.5293 ppm	0.4951 ppm
Concentration per Run	10.2944 ppm	0.4897 ppm	0.9563 ppm	10.1550 ppm	0.4949 ppm	0.5322 ppm	0.5023 ppm
Concentration per Run	10.1095 ppm	0.4881 ppm	0.9515 ppm	10.0708 ppm	0.4951 ppm	0.5288 ppm	0.4997 ppm
Concentration RSD	1.0 %	0.3 %	0.3 %	1.4 %	0.3 %	0.4 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1185 ppm	1.0985 ppm	0.9488 ppm	0.9654 ppm	0.9925 ppm	0.1177 ppm	0.5129 ppm
Concentration per Run	0.1213 ppm	1.0978 ppm	0.9451 ppm	0.9629 ppm	0.9885 ppm	0.1181 ppm	0.5121 ppm
Concentration per Run	0.1166 ppm	1.1047 ppm	0.9503 ppm	0.9657 ppm	0.9977 ppm	0.1167 ppm	0.5146 ppm
Concentration per Run	0.1176 ppm	1.0929 ppm	0.9511 ppm	0.9677 ppm	0.9813 ppm	0.1184 ppm	0.5119 ppm
Concentration RSD	2.1 %	0.5 %	0.3 %	0.3 %	1.0 %	0.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4748 ppm	99.2875 %	98.0338 %	95.9520 %	98.0575 %	97.4033 %	95.1578 %
Concentration per Run	0.4743 ppm	99.5295 %	98.6941 %	95.7047 %	98.1483 %	96.5369 %	95.1067 %
Concentration per Run	0.4760 ppm	98.8877 %	97.9247 %	95.4460 %	98.0090 %	98.1996 %	95.0739 %
Concentration per Run	0.4741 ppm	99.4453 %	97.4827 %	96.7054 %	98.0153 %	97.4735 %	95.2928 %
Concentration RSD	0.2 %	0.4 %	0.6 %	0.7 %	0.1 %	0.9 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-08 WG2112482

Analysis started at: 9/11/2025 7:05:53 PM

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Rack Number 2

Vial Numbers 49

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0129 ppm	0.0014 ppm	0.0089 ppm	0.0873 ppm	0.0000 ppm	20.6098 ppm
Concentration per Run	-0.0003 ppm	0.0167 ppm	0.0017 ppm	0.0084 ppm	0.0873 ppm	0.0000 ppm	20.5640 ppm
Concentration per Run	0.0002 ppm	0.0237 ppm	0.0014 ppm	0.0088 ppm	0.0875 ppm	0.0000 ppm	20.8191 ppm
Concentration per Run	-0.0002 ppm	-0.0016 ppm	0.0010 ppm	0.0094 ppm	0.0870 ppm	0.0001 ppm	20.4464 ppm
Concentration RSD	286.4 %	101.1 %	26.1 %	5.5 %	0.3 %	95.3 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0005 ppm	0.0345 ppm	2.0324 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0334 ppm	2.0394 ppm	0.0019 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0006 ppm	0.0337 ppm	2.0463 ppm	0.0004 ppm
Concentration per Run	-0.0002 ppm	0.0006 ppm	0.0004 ppm	0.0006 ppm	0.0364 ppm	2.0115 ppm	0.0006 ppm
Concentration RSD	70.3 %	67.6 %	18.5 %	3.3 %	4.8 %	0.9 %	82.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.9131 ppm	0.0050 ppm	0.0004 ppm	42.0415 ppm	0.0023 ppm	-0.0002 ppm	0.0026 ppm
Concentration per Run	5.9189 ppm	0.0050 ppm	0.0002 ppm	42.2494 ppm	0.0015 ppm	0.0004 ppm	0.0032 ppm
Concentration per Run	5.9018 ppm	0.0052 ppm	0.0007 ppm	41.7662 ppm	0.0024 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run	5.9188 ppm	0.0049 ppm	0.0003 ppm	42.1089 ppm	0.0030 ppm	0.0000 ppm	0.0044 ppm
Concentration RSD	0.2 %	3.6 %	68.5 %	0.6 %	32.9 %	358.1 %	85.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	2.5297 ppm	0.0015 ppm	0.1601 ppm	-0.0007 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run	0.0021 ppm	2.5345 ppm	0.0022 ppm	0.1599 ppm	-0.0006 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	0.0033 ppm	2.5250 ppm	0.0012 ppm	0.1604 ppm	-0.0006 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run	-0.0016 ppm	2.5297 ppm	0.0010 ppm	0.1601 ppm	-0.0010 ppm	0.0023 ppm	0.0002 ppm
Concentration RSD	199.5 %	0.2 %	44.1 %	0.1 %	29.2 %	48.5 %	123.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0030 ppm	99.0328 %	98.5382 %	96.4602 %	96.8577 %	97.2544 %	95.7163 %
Concentration per Run	0.0029 ppm	99.2490 %	98.0876 %	96.7852 %	96.6532 %	98.1335 %	96.0427 %
Concentration per Run	0.0031 ppm	99.3377 %	96.8894 %	96.8894 %	97.1716 %	96.5854 %	96.4177 %
Concentration per Run	0.0031 ppm	98.5717 %	98.1896 %	95.7059 %	96.7485 %	97.0442 %	94.6885 %
Concentration RSD	4.8 %	0.4 %	0.7 %	0.7 %	0.3 %	0.8 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-3 WG2112482

Analysis started at: 9/11/2025 7:08:00 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 50

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0550 ppm	2.1056 ppm	0.1219 ppm	0.9597 ppm	2.1042 ppm	0.0527 ppm	30.2806 ppm
Concentration per Run	0.0550 ppm	2.1060 ppm	0.1210 ppm	0.9573 ppm	2.1056 ppm	0.0530 ppm	30.2445 ppm
Concentration per Run	0.0549 ppm	2.0968 ppm	0.1214 ppm	0.9591 ppm	2.1048 ppm	0.0527 ppm	30.4407 ppm
Concentration per Run	0.0550 ppm	2.1141 ppm	0.1233 ppm	0.9628 ppm	2.1021 ppm	0.0525 ppm	30.1566 ppm
Concentration RSD	0.1 %	0.4 %	1.0 %	0.3 %	0.1 %	0.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0547 ppm	0.4995 ppm	0.2060 ppm	0.2612 ppm	1.0653 ppm	12.2474 ppm	0.0004 ppm
Concentration per Run	0.0546 ppm	0.4983 ppm	0.2057 ppm	0.2618 ppm	1.0693 ppm	12.2345 ppm	0.0014 ppm
Concentration per Run	0.0548 ppm	0.4986 ppm	0.2059 ppm	0.2604 ppm	1.0663 ppm	12.2279 ppm	0.0000 ppm
Concentration per Run	0.0546 ppm	0.5016 ppm	0.2065 ppm	0.2615 ppm	1.0603 ppm	12.2799 ppm	-0.0003 ppm
Concentration RSD	0.3 %	0.4 %	0.2 %	0.3 %	0.4 %	0.2 %	239.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.9494 ppm	0.5102 ppm	0.9612 ppm	51.6258 ppm	0.5140 ppm	0.5262 ppm	0.5227 ppm
Concentration per Run	15.9421 ppm	0.5104 ppm	0.9591 ppm	51.5614 ppm	0.5133 ppm	0.5273 ppm	0.5207 ppm
Concentration per Run	15.9517 ppm	0.5103 ppm	0.9606 ppm	51.4066 ppm	0.5145 ppm	0.5267 ppm	0.5235 ppm
Concentration per Run	15.9543 ppm	0.5100 ppm	0.9639 ppm	51.9092 ppm	0.5142 ppm	0.5244 ppm	0.5240 ppm
Concentration RSD	0.0 %	0.0 %	0.3 %	0.5 %	0.1 %	0.3 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1230 ppm	3.6818 ppm	0.9468 ppm	1.1222 ppm	1.0029 ppm	0.1149 ppm	0.5403 ppm
Concentration per Run	0.1213 ppm	3.6673 ppm	0.9452 ppm	1.1234 ppm	1.0002 ppm	0.1138 ppm	0.5402 ppm
Concentration per Run	0.1223 ppm	3.6888 ppm	0.9469 ppm	1.1221 ppm	1.0049 ppm	0.1151 ppm	0.5397 ppm
Concentration per Run	0.1254 ppm	3.6892 ppm	0.9482 ppm	1.1211 ppm	1.0035 ppm	0.1158 ppm	0.5410 ppm
Concentration RSD	1.8 %	0.3 %	0.2 %	0.1 %	0.2 %	0.9 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5004 ppm	98.8224 %	98.2255 %	94.7919 %	96.8093 %	97.3235 %	94.7587 %
Concentration per Run	0.4991 ppm	99.0692 %	98.6288 %	94.4328 %	97.1256 %	97.8616 %	94.3853 %
Concentration per Run	0.5011 ppm	98.3251 %	95.1581 %	95.2680 %	96.1610 %	96.3985 %	95.2760 %
Concentration per Run	0.5009 ppm	99.0728 %	97.8897 %	94.6749 %	97.1413 %	97.7103 %	94.6147 %
Concentration RSD	0.2 %	0.4 %	0.4 %	0.5 %	0.6 %	0.8 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-4 WG2112482

Analysis started at: 9/11/2025 7:10:06 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 51

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0543 ppm	2.0675 ppm	0.1232 ppm	0.9751 ppm	2.0525 ppm	0.0515 ppm	30.1439 ppm
Concentration per Run	0.0543 ppm	2.0701 ppm	0.1245 ppm	0.9738 ppm	2.0523 ppm	0.0514 ppm	30.2305 ppm
Concentration per Run	0.0544 ppm	2.0662 ppm	0.1230 ppm	0.9759 ppm	2.0554 ppm	0.0515 ppm	30.0824 ppm
Concentration per Run	0.0543 ppm	2.0663 ppm	0.1221 ppm	0.9756 ppm	2.0498 ppm	0.0514 ppm	30.1183 ppm
Concentration RSD	0.1 %	0.1 %	1.0 %	0.1 %	0.1 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0536 ppm	0.4876 ppm	0.2020 ppm	0.2554 ppm	1.0276 ppm	12.3209 ppm	0.0007 ppm
Concentration per Run	0.0538 ppm	0.4864 ppm	0.2018 ppm	0.2549 ppm	1.0285 ppm	12.2832 ppm	0.0006 ppm
Concentration per Run	0.0535 ppm	0.4867 ppm	0.2025 ppm	0.2556 ppm	1.0269 ppm	12.3327 ppm	-0.0004 ppm
Concentration per Run	0.0535 ppm	0.4897 ppm	0.2016 ppm	0.2558 ppm	1.0274 ppm	12.3468 ppm	-0.0003 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	0.2 %	0.1 %	0.3 %	3.321.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.9683 ppm	0.4999 ppm	0.9760 ppm	51.3431 ppm	0.4997 ppm	0.5320 ppm	0.5111 ppm
Concentration per Run	15.9149 ppm	0.5010 ppm	0.9783 ppm	51.2572 ppm	0.4968 ppm	0.5291 ppm	0.5088 ppm
Concentration per Run	15.9089 ppm	0.4989 ppm	0.9729 ppm	51.3407 ppm	0.5009 ppm	0.5318 ppm	0.5091 ppm
Concentration per Run	16.0812 ppm	0.5000 ppm	0.9769 ppm	51.4313 ppm	0.5015 ppm	0.5352 ppm	0.5154 ppm
Concentration RSD	0.6 %	0.2 %	0.3 %	0.2 %	0.5 %	0.6 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1213 ppm	3.6752 ppm	0.9675 ppm	1.1284 ppm	1.0136 ppm	0.1165 ppm	0.5290 ppm
Concentration per Run	0.1229 ppm	3.6779 ppm	0.9754 ppm	1.1288 ppm	1.0153 ppm	0.1170 ppm	0.5283 ppm
Concentration per Run	0.1220 ppm	3.6674 ppm	0.9667 ppm	1.1304 ppm	1.0071 ppm	0.1159 ppm	0.5292 ppm
Concentration per Run	0.1191 ppm	3.6802 ppm	0.9603 ppm	1.1259 ppm	1.0183 ppm	0.1167 ppm	0.5295 ppm
Concentration RSD	1.7 %	0.2 %	0.8 %	0.2 %	0.6 %	0.5 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4889 ppm	98.8849 %	98.6665 %	95.7672 %	96.3989 %	98.3362 %	95.6854 %
Concentration per Run	0.4888 ppm	99.1165 %	99.4025 %	96.1103 %	96.3126 %	98.8076 %	95.9941 %
Concentration per Run	0.4889 ppm	99.0175 %	98.6483 %	95.7382 %	96.3071 %	98.5639 %	95.4867 %
Concentration per Run	0.4891 ppm	98.5208 %	97.9485 %	95.4532 %	96.5768 %	97.6372 %	95.5754 %
Concentration RSD	0.0 %	0.3 %	0.7 %	0.3 %	0.2 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-5 WG2112482

Analysis started at: 9/11/2025 7:12:12 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 52

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0467 ppm	1.9179 ppm	0.1148 ppm	0.9324 ppm	1.9325 ppm	0.0481 ppm	29.5112 ppm
Concentration per Run	0.0462 ppm	1.9317 ppm	0.1150 ppm	0.9293 ppm	1.9342 ppm	0.0481 ppm	29.5225 ppm
Concentration per Run	0.0470 ppm	1.9051 ppm	0.1145 ppm	0.9298 ppm	1.9250 ppm	0.0479 ppm	29.4313 ppm
Concentration per Run	0.0470 ppm	1.9171 ppm	0.1149 ppm	0.9382 ppm	1.9382 ppm	0.0482 ppm	29.5797 ppm
Concentration RSD	1.1 %	0.7 %	0.2 %	0.5 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0505 ppm	0.4566 ppm	0.1896 ppm	0.2395 ppm	0.9657 ppm	11.8192 ppm	-0.0001 ppm
Concentration per Run	0.0504 ppm	0.4575 ppm	0.1896 ppm	0.2387 ppm	0.9655 ppm	11.8259 ppm	0.0013 ppm
Concentration per Run	0.0505 ppm	0.4530 ppm	0.1888 ppm	0.2390 ppm	0.9654 ppm	11.7969 ppm	-0.0001 ppm
Concentration per Run	0.0506 ppm	0.4592 ppm	0.1904 ppm	0.2407 ppm	0.9662 ppm	11.8347 ppm	-0.0014 ppm
Concentration RSD	0.1 %	0.7 %	0.4 %	0.5 %	0.0 %	0.2 %	2.594.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.5159 ppm	0.4674 ppm	0.9310 ppm	50.4300 ppm	0.4705 ppm	0.5039 ppm	0.4776 ppm
Concentration per Run	15.5930 ppm	0.4676 ppm	0.9305 ppm	50.5830 ppm	0.4700 ppm	0.5018 ppm	0.4782 ppm
Concentration per Run	15.4201 ppm	0.4686 ppm	0.9288 ppm	50.1536 ppm	0.4693 ppm	0.5020 ppm	0.4767 ppm
Concentration per Run	15.5345 ppm	0.4681 ppm	0.9328 ppm	50.5534 ppm	0.4723 ppm	0.5079 ppm	0.4778 ppm
Concentration RSD	0.6 %	0.2 %	0.2 %	0.5 %	0.3 %	0.7 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1136 ppm	3.2503 ppm	0.9290 ppm	1.0823 ppm	0.9666 ppm	0.1094 ppm	0.4952 ppm
Concentration per Run	0.1152 ppm	3.2456 ppm	0.9314 ppm	1.0817 ppm	0.9712 ppm	0.1095 ppm	0.4945 ppm
Concentration per Run	0.1135 ppm	3.2429 ppm	0.9281 ppm	1.0781 ppm	0.9622 ppm	0.1095 ppm	0.4942 ppm
Concentration per Run	0.1122 ppm	3.2625 ppm	0.9269 ppm	1.0870 ppm	0.9663 ppm	0.1092 ppm	0.4969 ppm
Concentration RSD	1.3 %	0.3 %	0.2 %	0.4 %	0.5 %	0.2 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4592 ppm	98.1334 %	98.7378 %	94.6939 %	96.1361 %	99.0638 %	94.7882 %
Concentration per Run	0.4604 ppm	97.7610 %	98.5936 %	93.9908 %	95.5851 %	99.5756 %	94.2590 %
Concentration per Run	0.4555 ppm	98.6101 %	99.4448 %	95.2421 %	96.3151 %	99.3901 %	95.0276 %
Concentration per Run	0.4616 ppm	98.0292 %	98.1751 %	94.8488 %	96.5281 %	98.2256 %	95.0779 %
Concentration RSD	0.7 %	0.4 %	0.7 %	0.7 %	0.5 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-6d5 WG2112482

Analysis started at: 9/11/2025 7:15:48 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 53

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0089 ppm	0.0006 ppm	0.0034 ppm	0.0167 ppm	0.0000 ppm	3.9759 ppm
Concentration per Run	0.0001 ppm	0.0077 ppm	0.0001 ppm	0.0023 ppm	0.0167 ppm	0.0000 ppm	3.9690 ppm
Concentration per Run	0.0001 ppm	0.0085 ppm	-0.0011 ppm	0.0029 ppm	0.0166 ppm	0.0000 ppm	3.9923 ppm
Concentration per Run	-0.0008 ppm	0.0106 ppm	0.0029 ppm	0.0049 ppm	0.0167 ppm	0.0000 ppm	3.9664 ppm
Concentration RSD	279.9 %	16.6 %	338.2 %	39.6 %	0.4 %	150.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0072 ppm	0.4203 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	-0.0004 ppm	-0.0003 ppm	0.0083 ppm	0.4645 ppm	-0.0010 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0004 ppm	0.0001 ppm	0.0067 ppm	0.4115 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0005 ppm	0.0002 ppm	0.0066 ppm	0.3848 ppm	0.0004 ppm
Concentration RSD	77.5 %	14.7 %	2.2 %	6420.7 %	13.4 %	9.7 %	1275.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1748 ppm	0.0008 ppm	0.0001 ppm	8.2337 ppm	0.0002 ppm	0.0006 ppm	0.0039 ppm
Concentration per Run	1.1777 ppm	0.0008 ppm	0.0002 ppm	8.1738 ppm	-0.0008 ppm	-0.0003 ppm	0.0052 ppm
Concentration per Run	1.1692 ppm	0.0009 ppm	0.0001 ppm	8.2611 ppm	0.0009 ppm	0.0012 ppm	0.0032 ppm
Concentration per Run	1.1775 ppm	0.0007 ppm	0.0001 ppm	8.2661 ppm	0.0006 ppm	0.0010 ppm	0.0033 ppm
Concentration RSD	0.4 %	12.4 %	11.4 %	0.6 %	414.3 %	126.1 %	29.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0002 ppm	0.4844 ppm	0.0015 ppm	0.0307 ppm	-0.0014 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0041 ppm	0.4826 ppm	0.0009 ppm	0.0308 ppm	-0.0014 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run	-0.0030 ppm	0.4833 ppm	0.0018 ppm	0.0306 ppm	-0.0019 ppm	0.0018 ppm	-0.0001 ppm
Concentration per Run	-0.0016 ppm	0.4874 ppm	0.0018 ppm	0.0307 ppm	-0.0009 ppm	0.0022 ppm	0.0002 ppm
Concentration RSD	2,438.9 %	0.5 %	36.0 %	0.3 %	36.1 %	37.7 %	427.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	100.3090 %	98.7936 %	98.4857 %	98.4977 %	98.6941 %	96.6813 %
Concentration per Run	0.0006 ppm	100.4833 %	98.6904 %	98.8138 %	98.8303 %	98.3758 %	96.7242 %
Concentration per Run	0.0010 ppm	100.6347 %	98.8376 %	98.8376 %	98.8994 %	98.3997 %	97.2196 %
Concentration per Run	0.0010 ppm	99.8088 %	98.9139 %	97.8056 %	97.7635 %	99.3067 %	96.1001 %
Concentration RSD	29.1 %	0.4 %	0.1 %	0.6 %	0.6 %	0.5 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:17:58 PM

Analysis started at:

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Rack Number

Vial Numbers

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3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4967 ppm	0.4817 ppm	0.4769 ppm	0.4667 ppm	0.4859 ppm	0.4993 ppm	0.4892 ppm
Concentration per Run	0.4942 ppm	0.4757 ppm	0.4764 ppm	0.4640 ppm	0.4843 ppm	0.4991 ppm	0.4952 ppm
Concentration per Run	0.4985 ppm	0.4923 ppm	0.4779 ppm	0.4651 ppm	0.4877 ppm	0.4995 ppm	0.4841 ppm
Concentration per Run	0.4975 ppm	0.4770 ppm	0.4765 ppm	0.4710 ppm	0.4857 ppm	0.4994 ppm	0.4884 ppm
Recovery Percentage	99.349 %	96.338 %	95.386 %	93.342 %	97.188 %	99.869 %	97.847 %
Concentration RSD	0.4 %	1.9 %	0.2 %	0.8 %	0.3 %	0.0 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5050 ppm	0.5000 ppm	0.5033 ppm	0.5170 ppm	0.4891 ppm	5.1344 ppm	0.4890 ppm
Concentration per Run	0.5005 ppm	0.4994 ppm	0.4999 ppm	0.5146 ppm	0.4870 ppm	5.1335 ppm	0.4893 ppm
Concentration per Run	0.5073 ppm	0.4999 ppm	0.5083 ppm	0.5171 ppm	0.4893 ppm	5.1352 ppm	0.4862 ppm
Concentration per Run	0.5072 ppm	0.5006 ppm	0.5192 ppm	0.5192 ppm	0.4911 ppm	5.1346 ppm	0.4915 ppm
Recovery Percentage	101.002 %	99.990 %	100.662 %	103.394 %	97.825 %	102.688 %	97.801 %
Concentration RSD	0.8 %	0.1 %	0.6 %	0.4 %	0.4 %	0.0 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5149 ppm	0.4965 ppm	0.4741 ppm	9.9878 ppm	0.5042 ppm	0.5037 ppm	0.5065 ppm
Concentration per Run	0.5084 ppm	0.4972 ppm	0.4716 ppm	9.9431 ppm	0.5015 ppm	0.5042 ppm	0.5005 ppm
Concentration per Run	0.5203 ppm	0.4957 ppm	0.4750 ppm	10.0756 ppm	0.5049 ppm	0.5038 ppm	0.5125 ppm
Concentration per Run	0.5160 ppm	0.4966 ppm	0.4758 ppm	9.9446 ppm	0.5060 ppm	0.5029 ppm	0.5065 ppm
Recovery Percentage	102.978 %	99.299 %	94.825 %	99.878 %	100.830 %	100.731 %	101.299 %
Concentration RSD	1.2 %	0.2 %	0.5 %	0.8 %	0.5 %	0.1 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4712 ppm	5.3374 ppm	0.4872 ppm	0.4961 ppm	0.4982 ppm	0.4837 ppm	0.5081 ppm
Concentration per Run	0.4732 ppm	5.2967 ppm	0.4858 ppm	0.4959 ppm	0.4941 ppm	0.4832 ppm	0.5058 ppm
Concentration per Run	0.4718 ppm	5.3597 ppm	0.4889 ppm	0.4976 ppm	0.5013 ppm	0.4833 ppm	0.5093 ppm
Concentration per Run	0.4687 ppm	5.3558 ppm	0.4870 ppm	0.4948 ppm	0.4993 ppm	0.4845 ppm	0.5091 ppm
Recovery Percentage	94.249 %	101.665 %	97.444 %	99.216 %	99.641 %	96.738 %	101.612 %
Concentration RSD	0.5 %	0.7 %	0.3 %	0.3 %	0.7 %	0.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4776 ppm	100.0292 %	97.6036 %	97.7901 %	97.9893 %	98.0916 %	96.7055 %
Concentration per Run	0.4745 ppm	100.6031 %	98.2653 %	97.3770 %	98.2051 %	98.4936 %	96.3425 %
Concentration per Run	0.4793 ppm	100.0490 %	97.6566 %	97.3380 %	98.4680 %	99.2007 %	96.2920 %
Concentration per Run	0.4790 ppm	99.4357 %	96.8888 %	98.6553 %	97.2947 %	96.5805 %	97.4821 %
Recovery Percentage	95.514 %						
Concentration RSD	0.6 %	0.6 %	0.7 %	0.8 %	0.6 %	1.4 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:20:04 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	-0.0028 ppm	0.0011 ppm	0.0020 ppm	-0.0002 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run	-0.0002 ppm	-0.0004 ppm	0.0023 ppm	0.0015 ppm	-0.0004 ppm	0.0000 ppm	-0.0049 ppm
Concentration per Run	-0.0005 ppm	-0.0015 ppm	-0.0002 ppm	0.0028 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run	-0.0006 ppm	-0.0066 ppm	0.0011 ppm	0.0018 ppm	-0.0003 ppm	0.0001 ppm	-0.0022 ppm
Recovery Percentage	-6.188 %	-2.798 %	21.221 %	6.760 %	-2.352 %	0.781 %	-2.235 %
Concentration RSD	42.6 %	118.6 %	117.4 %	34.1 %	65.9 %	84.9 %	117.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0232 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0295 ppm	-0.0015 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0004 ppm	0.0007 ppm	0.0390 ppm	0.0026 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0001 ppm	0.0009 ppm	0.0011 ppm	0.0001 ppm
Recovery Percentage	2.564 %	2.144 %	0.594 %	1.627 %	1.299 %	0.927 %	7.680 %
Concentration RSD	43.1 %	65.5 %	607.4 %	107.6 %	46.0 %	85.1 %	533.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0027 ppm	-0.0001 ppm	-0.0001 ppm	-0.0006 ppm	-0.0005 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	-0.0015 ppm	-0.0001 ppm	-0.0001 ppm	0.0045 ppm	-0.0002 ppm	0.0002 ppm	-0.0015 ppm
Concentration per Run	-0.0041 ppm	-0.0001 ppm	-0.0013 ppm	-0.0011 ppm	-0.0014 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run	-0.0026 ppm	-0.0002 ppm	0.0002 ppm	-0.0051 ppm	0.0003 ppm	-0.0005 ppm	0.0019 ppm
Recovery Percentage	-2.736 %	-1.337 %	-0.207 %	-0.031 %	-2.008 %	3.783 %	0.461 %
Concentration RSD	46.2 %	53.7 %	249.2 %	767.2 %	139.8 %	247.6 %	740.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0012 ppm	-0.0016 ppm	0.0004 ppm	-0.0001 ppm	-0.0015 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	0.0019 ppm	0.0003 ppm	-0.0004 ppm	-0.0001 ppm	-0.0013 ppm	0.0015 ppm	0.0001 ppm
Concentration per Run	0.0007 ppm	-0.0017 ppm	0.0009 ppm	0.0000 ppm	-0.0014 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run	0.0010 ppm	-0.0034 ppm	0.0007 ppm	-0.0001 ppm	-0.0017 ppm	0.0021 ppm	-0.0001 ppm
Recovery Percentage	12.110 %	-0.321 %	0.784 %	-0.604 %	-14.681 %	8.725 %	0.225 %
Concentration RSD	53.2 %	114.3 %	180.5 %	21.6 %	16.2 %	18.6 %	465.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	97.6999 %	94.2904 %	95.8479 %	97.8998 %	96.4697 %	95.9202 %
Concentration per Run	0.0002 ppm	97.7815 %	94.5467 %	95.4762 %	97.6469 %	96.7105 %	95.6678 %
Concentration per Run	0.0001 ppm	97.8152 %	93.5878 %	95.9121 %	98.2144 %	96.4487 %	95.9445 %
Concentration per Run	0.0000 ppm	97.5030 %	94.7368 %	96.1552 %	97.8381 %	96.2498 %	96.1484 %
Recovery Percentage	1.819 %						
Concentration RSD	123.2 %	0.2 %	0.7 %	0.4 %	0.3 %	0.2 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: zWG2112183-1 WG2112183

Analysis started at: 9/11/2025 7:22:32 PM

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Rack Number 3

Vial Numbers 17

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0056 ppm	0.0016 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0282 ppm
Concentration per Run	-0.0006 ppm	0.0074 ppm	0.0015 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0273 ppm
Concentration per Run	-0.0002 ppm	0.0003 ppm	0.0020 ppm	0.0011 ppm	-0.0002 ppm	0.0000 ppm	0.0276 ppm
Concentration per Run	0.0003 ppm	0.0093 ppm	0.0013 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0298 ppm
Recovery Percentage	-2.778 %	5.634 %	31.824 %	3.552 %	-0.566 %	0.540 %	28.247 %
Concentration RSD	239.7 %	84.1 %	22.2 %	13.4 %	273.9 %	50.1 %	4.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0008 ppm	0.0008 ppm	0.0005 ppm	0.0123 ppm	0.0249 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0118 ppm	0.0170 ppm	0.0027 ppm
Concentration per Run	0.0000 ppm	0.0010 ppm	-0.0001 ppm	0.0008 ppm	0.0123 ppm	0.0151 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0012 ppm	0.0004 ppm	0.0004 ppm	0.0129 ppm	0.0427 ppm	-0.0011 ppm
Recovery Percentage	0.683 %	3.981 %	0.398 %	4.858 %	24.657 %	0.997 %	12.099 %
Concentration RSD	115.5 %	63.6 %	696.2 %	56.4 %	4.3 %	61.8 %	320.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0059 ppm	0.0008 ppm	0.0008 ppm	0.0122 ppm	0.0010 ppm	0.0004 ppm	0.0006 ppm
Concentration per Run	0.0055 ppm	0.0008 ppm	0.0003 ppm	0.0118 ppm	0.0011 ppm	-0.0003 ppm	-0.0009 ppm
Concentration per Run	0.0071 ppm	0.0008 ppm	0.0003 ppm	0.0173 ppm	0.0008 ppm	0.0042 ppm	0.0042 ppm
Concentration per Run	0.0053 ppm	0.0009 ppm	-0.0007 ppm	0.0073 ppm	0.0009 ppm	0.0006 ppm	-0.0013 ppm
Recovery Percentage	5.939 %	8.223 %	-0.103 %	0.608 %	3.858 %	3.696 %	1.275 %
Concentration RSD	16.4 %	8.1 %	1.1636 %	41.2 %	9.8 %	153.3 %	479.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0017 ppm	0.0053 ppm	0.0003 ppm	-0.0001 ppm	-0.0018 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0014 ppm	0.0025 ppm	0.0001 ppm	-0.0002 ppm	-0.0020 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	0.0012 ppm	0.0063 ppm	0.0006 ppm	-0.0001 ppm	-0.0013 ppm	0.0019 ppm	-0.0002 ppm
Concentration per Run	0.0025 ppm	0.0070 ppm	-0.0002 ppm	0.0000 ppm	-0.0020 ppm	0.0008 ppm	-0.0002 ppm
Recovery Percentage	16.854 %	1.056 %	0.380 %	-0.928 %	-17.885 %	4.823 %	-1.466 %
Concentration RSD	40.2 %	46.3 %	205.5 %	91.8 %	21.4 %	84.0 %	26.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0058 ppm	100.6470 %	98.4950 %	99.1932 %	101.0600 %	100.3314 %	98.5435 %
Concentration per Run	0.0059 ppm	100.4598 %	98.8138 %	99.3068 %	100.7878 %	100.7024 %	98.7111 %
Concentration per Run	0.0059 ppm	101.0967 %	97.8929 %	98.6617 %	101.7596 %	99.1812 %	98.2448 %
Concentration per Run	0.0058 ppm	100.3844 %	98.7781 %	99.6292 %	100.6325 %	101.1104 %	98.6747 %
Recovery Percentage	116.815 %						
Concentration RSD	0.7 %	0.4 %	0.5 %	0.5 %	0.6 %	1.0 %	0.3 %

ICP DataTrace 11

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LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:24:43 PM

Analysis started at:

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Rack Number

Vial Numbers

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3

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	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4982 ppm	0.4779 ppm	0.4806 ppm	0.4697 ppm	0.4861 ppm	0.4982 ppm	0.4889 ppm
Concentration per Run	0.4975 ppm	0.4852 ppm	0.4802 ppm	0.4662 ppm	0.4885 ppm	0.5035 ppm	0.4913 ppm
Concentration per Run	0.4979 ppm	0.4774 ppm	0.4801 ppm	0.4691 ppm	0.4838 ppm	0.4918 ppm	0.4879 ppm
Concentration per Run	0.4990 ppm	0.4713 ppm	0.4815 ppm	0.4739 ppm	0.4860 ppm	0.4993 ppm	0.4877 ppm
Recovery Percentage	99.635 %	95.587 %	96.121 %	93.943 %	97.225 %	99.639 %	97.790 %
Concentration RSD	0.2 %	1.5 %	0.2 %	0.8 %	0.5 %	1.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5080 ppm	0.4994 ppm	0.5035 ppm	0.5172 ppm	0.4907 ppm	5.1430 ppm	0.4892 ppm
Concentration per Run	0.5093 ppm	0.4958 ppm	0.5005 ppm	0.5155 ppm	0.4928 ppm	5.1291 ppm	0.4976 ppm
Concentration per Run	0.5058 ppm	0.5005 ppm	0.5047 ppm	0.5167 ppm	0.4883 ppm	5.1377 ppm	0.4834 ppm
Concentration per Run	0.5089 ppm	0.5020 ppm	0.5192 ppm	0.5192 ppm	0.4911 ppm	5.1621 ppm	0.4865 ppm
Recovery Percentage	101.600 %	99.884 %	100.698 %	103.430 %	98.147 %	102.859 %	97.832 %
Concentration RSD	0.4 %	0.6 %	0.5 %	0.4 %	0.5 %	0.3 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5207 ppm	0.4966 ppm	0.4779 ppm	9.9492 ppm	0.5043 ppm	0.5048 ppm	0.5037 ppm
Concentration per Run	0.5226 ppm	0.4972 ppm	0.4785 ppm	10.0203 ppm	0.5027 ppm	0.5056 ppm	0.5019 ppm
Concentration per Run	0.5167 ppm	0.4953 ppm	0.4758 ppm	9.8397 ppm	0.5040 ppm	0.5051 ppm	0.5068 ppm
Concentration per Run	0.5228 ppm	0.4974 ppm	0.4794 ppm	9.9878 ppm	0.5063 ppm	0.5038 ppm	0.5024 ppm
Recovery Percentage	104.135 %	99.326 %	95.587 %	99.492 %	100.864 %	100.967 %	100.737 %
Concentration RSD	0.7 %	0.2 %	0.4 %	1.0 %	0.4 %	0.2 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4712 ppm	5.3744 ppm	0.4859 ppm	0.4950 ppm	0.5035 ppm	0.4767 ppm	0.5112 ppm
Concentration per Run	0.4714 ppm	5.3783 ppm	0.4847 ppm	0.4989 ppm	0.5060 ppm	0.4755 ppm	0.5109 ppm
Concentration per Run	0.4723 ppm	5.3650 ppm	0.4859 ppm	0.4910 ppm	0.5002 ppm	0.4771 ppm	0.5101 ppm
Concentration per Run	0.4700 ppm	5.3800 ppm	0.4873 ppm	0.4951 ppm	0.5042 ppm	0.4775 ppm	0.5126 ppm
Recovery Percentage	94.245 %	102.370 %	97.190 %	99.001 %	100.697 %	95.341 %	102.237 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.8 %	0.6 %	0.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4766 ppm	99.7265 %	98.3314 %	97.2889 %	98.1775 %	98.0183 %	96.1417 %
Concentration per Run	0.4768 ppm	99.6128 %	99.3335 %	97.1699 %	98.5912 %	99.5603 %	95.9018 %
Concentration per Run	0.4756 ppm	100.1799 %	98.3705 %	97.1113 %	98.3642 %	97.4926 %	95.9428 %
Concentration per Run	0.4775 ppm	99.3869 %	97.2902 %	97.5855 %	97.5771 %	97.0021 %	96.5805 %
Recovery Percentage	95.326 %						
Concentration RSD	0.2 %	0.4 %	1.0 %	0.3 %	0.5 %	1.4 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:26:48 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0051 ppm	0.0004 ppm	0.0009 ppm	-0.0003 ppm	0.0000 ppm	-0.0043 ppm
Concentration per Run	-0.0006 ppm	0.0086 ppm	0.0014 ppm	0.0005 ppm	-0.0003 ppm	0.0001 ppm	-0.0041 ppm
Concentration per Run	0.0000 ppm	0.0114 ppm	0.0006 ppm	0.0022 ppm	-0.0002 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run	-0.0003 ppm	-0.0046 ppm	-0.0010 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	-0.0075 ppm
Recovery Percentage	-4.302 %	5.116 %	7.112 %	3.136 %	-2.576 %	0.658 %	-4.311 %
Concentration RSD	106.3 %	167.5 %	336.7 %	119.6 %	29.2 %	224.5 %	71.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0087 ppm	0.0005 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0147 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0052 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	0.0014 ppm	0.0166 ppm	0.0019 ppm
Recovery Percentage	0.768 %	3.204 %	0.000 %	2.019 %	0.691 %	0.348 %	9.181 %
Concentration RSD	205.3 %	16.5 %	1.732.9 %	16.8 %	272.4 %	139.0 %	267.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0051 ppm	-0.0005 ppm	0.0002 ppm	0.0015 ppm
Concentration per Run	0.0005 ppm	0.0002 ppm	0.0000 ppm	-0.0070 ppm	-0.0006 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run	0.0004 ppm	0.0000 ppm	-0.0001 ppm	-0.0066 ppm	-0.0006 ppm	-0.0002 ppm	0.0016 ppm
Concentration per Run	-0.0033 ppm	-0.0002 ppm	0.0004 ppm	-0.0019 ppm	-0.0002 ppm	0.0002 ppm	0.0028 ppm
Recovery Percentage	-0.815 %	-0.053 %	0.187 %	-0.257 %	-2.009 %	2.268 %	3.010 %
Concentration RSD	267.4 %	3.393.5 %	296.5 %	55.5 %	44.7 %	205.2 %	90.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	-0.0032 ppm	0.0004 ppm	-0.0001 ppm	-0.0014 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run	0.0035 ppm	-0.0019 ppm	0.0004 ppm	-0.0002 ppm	-0.0013 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run	0.0006 ppm	-0.0049 ppm	-0.0002 ppm	0.0000 ppm	-0.0011 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	-0.0020 ppm	-0.0029 ppm	0.0011 ppm	0.0000 ppm	-0.0017 ppm	0.0019 ppm	0.0001 ppm
Recovery Percentage	6.680 %	-0.641 %	0.884 %	-0.850 %	-13.725 %	6.180 %	1.269 %
Concentration RSD	412.1 %	48.6 %	149.3 %	158.7 %	22.8 %	47.8 %	169.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0002 ppm	97.0666 %	95.2849 %	95.4203 %	97.5943 %	96.3211 %	95.7582 %
Concentration per Run	-0.0002 ppm	96.8507 %	95.6137 %	95.5316 %	97.4631 %	97.4289 %	95.6545 %
Concentration per Run	0.0001 ppm	97.4671 %	94.3525 %	95.3619 %	97.9249 %	96.2955 %	95.8053 %
Concentration per Run	-0.0004 ppm	96.8819 %	95.8884 %	95.3674 %	97.3948 %	95.2388 %	95.8147 %
Recovery Percentage	-3.089 %						
Concentration RSD	162.5 %	0.4 %	0.9 %	0.1 %	0.3 %	1.1 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-17 WG2112482

Analysis started at: 9/11/2025 7:28:54 PM

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Rack Number: 3

Vial Numbers: 14

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	1.2834 ppm	0.0014 ppm	0.0043 ppm	0.0184 ppm	0.0000 ppm	117.8032 ppm
Concentration per Run	-0.0007 ppm	1.2945 ppm	0.0023 ppm	0.0050 ppm	0.0184 ppm	0.0000 ppm	118.0365 ppm
Concentration per Run	-0.0001 ppm	1.2806 ppm	0.0016 ppm	0.0041 ppm	0.0185 ppm	0.0000 ppm	117.6647 ppm
Concentration per Run	-0.0011 ppm	1.2751 ppm	0.0005 ppm	0.0038 ppm	0.0182 ppm	0.0001 ppm	117.7082 ppm
Concentration RSD	79.0 %	0.8 %	63.6 %	13.6 %	0.7 %	133.8 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0012 ppm	0.0006 ppm	0.0025 ppm	0.0028 ppm	0.0425 ppm	19.4734 ppm	0.0189 ppm
Concentration per Run	-0.0012 ppm	0.0004 ppm	0.0026 ppm	0.0028 ppm	0.0432 ppm	19.5046 ppm	0.0202 ppm
Concentration per Run	-0.0012 ppm	0.0004 ppm	0.0028 ppm	0.0028 ppm	0.0429 ppm	19.4617 ppm	0.0189 ppm
Concentration per Run	-0.0012 ppm	0.0009 ppm	0.0022 ppm	0.0029 ppm	0.0415 ppm	19.4540 ppm	0.0175 ppm
Concentration RSD	2.6 %	52.4 %	13.1 %	1.5 %	2.1 %	0.1 %	7.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0204 ppm	0.0005 ppm	0.0830 ppm	40.2863 ppm	0.0017 ppm	0.0008 ppm	0.0007 ppm
Concentration per Run	0.0210 ppm	0.0004 ppm	0.0833 ppm	40.1905 ppm	0.0009 ppm	0.0007 ppm	0.0020 ppm
Concentration per Run	0.0188 ppm	0.0005 ppm	0.0831 ppm	40.3326 ppm	0.0020 ppm	0.0018 ppm	-0.0009 ppm
Concentration per Run	0.0215 ppm	0.0006 ppm	0.0826 ppm	40.3356 ppm	0.0021 ppm	0.0000 ppm	0.0012 ppm
Concentration RSD	7.0 %	19.2 %	0.5 %	0.2 %	40.4 %	110.1 %	198.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	3.0942 ppm	-0.0004 ppm	0.1613 ppm	-0.0005 ppm	0.0015 ppm	0.0028 ppm
Concentration per Run	0.0022 ppm	3.0964 ppm	-0.0004 ppm	0.1616 ppm	-0.0004 ppm	0.0016 ppm	0.0030 ppm
Concentration per Run	-0.0006 ppm	3.0789 ppm	-0.0006 ppm	0.1613 ppm	-0.0003 ppm	0.0013 ppm	0.0028 ppm
Concentration per Run	-0.0006 ppm	3.1073 ppm	-0.0006 ppm	0.1609 ppm	-0.0007 ppm	0.0015 ppm	0.0028 ppm
Concentration RSD	454.6 %	0.5 %	66.3 %	0.2 %	41.4 %	9.0 %	4.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0027 ppm	99.5633 %	98.9926 %	95.0147 %	97.1435 %	98.9522 %	95.7269 %
Concentration per Run	0.0027 ppm	99.5217 %	99.0250 %	95.2342 %	97.7978 %	98.3593 %	96.2208 %
Concentration per Run	0.0027 ppm	100.2401 %	99.7792 %	94.6730 %	97.4147 %	99.9859 %	95.4755 %
Concentration per Run	0.0028 ppm	98.9280 %	98.1737 %	95.1368 %	96.2180 %	98.5114 %	95.4846 %
Concentration RSD	2.9 %	0.7 %	0.8 %	0.3 %	0.8 %	0.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-18 WG2112482

Analysis started at: 9/11/2025 7:31:00 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 15

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0102 ppm	0.0004 ppm	0.0030 ppm	0.0007 ppm	0.0000 ppm	1.2608 ppm
Concentration per Run	-0.0004 ppm	0.0087 ppm	-0.0014 ppm	0.0032 ppm	0.0009 ppm	0.0000 ppm	1.2632 ppm
Concentration per Run	-0.0003 ppm	0.0066 ppm	0.0019 ppm	0.0019 ppm	0.0006 ppm	0.0000 ppm	1.2593 ppm
Concentration per Run	0.0001 ppm	0.0151 ppm	0.0007 ppm	0.0038 ppm	0.0005 ppm	0.0000 ppm	1.2599 ppm
Concentration RSD	121.0 %	43.8 %	426.5 %	32.6 %	36.4 %	272.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0007 ppm	0.0079 ppm	5.1976 ppm	0.0033 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	0.0003 ppm	0.0003 ppm	0.0076 ppm	5.2403 ppm	0.0038 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0004 ppm	0.0079 ppm	5.1710 ppm	0.0038 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0003 ppm	0.0003 ppm	0.0081 ppm	5.1816 ppm	0.0025 ppm
Concentration RSD	17.6 %	22.4 %	86.1 %	86.1 %	3.0 %	0.7 %	23.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.6590 ppm	0.0008 ppm	0.0003 ppm	5.3132 ppm	0.0005 ppm	0.0013 ppm	0.0022 ppm
Concentration per Run	0.6527 ppm	0.0009 ppm	0.0004 ppm	5.3436 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run	0.6599 ppm	0.0007 ppm	0.0003 ppm	5.2895 ppm	0.0000 ppm	0.0023 ppm	0.0003 ppm
Concentration per Run	0.6644 ppm	0.0008 ppm	0.0001 ppm	5.3067 ppm	0.0014 ppm	0.0017 ppm	0.0066 ppm
Concentration RSD	0.9 %	10.1 %	59.2 %	0.5 %	160.7 %	103.9 %	171.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	3.4982 ppm	0.0005 ppm	0.0098 ppm	-0.0013 ppm	0.0017 ppm	-0.0001 ppm
Concentration per Run	0.0034 ppm	3.4930 ppm	0.0006 ppm	0.0098 ppm	-0.0016 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	3.4852 ppm	0.0007 ppm	0.0099 ppm	-0.0014 ppm	0.0019 ppm	-0.0001 ppm
Concentration per Run	0.0005 ppm	3.5165 ppm	0.0001 ppm	0.0098 ppm	-0.0010 ppm	0.0010 ppm	-0.0001 ppm
Concentration RSD	137.9 %	0.5 %	65.2 %	0.6 %	23.1 %	33.6 %	27.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0036 ppm	99.7688 %	98.3168 %	98.0293 %	98.3149 %	98.4847 %	96.3599 %
Concentration per Run	0.0036 ppm	100.1020 %	98.5834 %	97.7865 %	98.5731 %	99.5433 %	96.2440 %
Concentration per Run	0.0035 ppm	99.6606 %	97.0773 %	97.9672 %	98.6385 %	96.9797 %	96.2663 %
Concentration per Run	0.0036 ppm	99.5438 %	98.2895 %	98.3343 %	97.7330 %	98.9311 %	96.5694 %
Concentration RSD	1.2 %	0.3 %	0.3 %	0.3 %	0.5 %	1.4 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-19 WG2112482

Analysis started at: 9/11/2025 7:33:06 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 16

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.0483 ppm	0.0014 ppm	0.0099 ppm	0.0067 ppm	0.0000 ppm	1.6855 ppm
Concentration per Run	-0.0008 ppm	0.0386 ppm	0.0001 ppm	0.0106 ppm	0.0068 ppm	0.0000 ppm	1.6896 ppm
Concentration per Run	-0.0007 ppm	0.0468 ppm	0.0019 ppm	0.0101 ppm	0.0067 ppm	0.0001 ppm	1.6808 ppm
Concentration per Run	-0.0009 ppm	0.0595 ppm	0.0022 ppm	0.0091 ppm	0.0068 ppm	0.0000 ppm	1.6862 ppm
Concentration RSD	12.2 %	21.8 %	79.2 %	7.5 %	0.6 %	40.0 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.1329 ppm	0.9066 ppm	-0.0007 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	-0.0007 ppm	0.0003 ppm	0.1303 ppm	0.9467 ppm	-0.0025 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0002 ppm	-0.0003 ppm	0.1325 ppm	0.8890 ppm	-0.0015 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	0.0004 ppm	0.0002 ppm	0.1358 ppm	0.8842 ppm	0.0019 ppm
Concentration RSD	186.2 %	42.4 %	3.136.7 %	555.3 %	2.1 %	3.8 %	313.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4928 ppm	0.0095 ppm	0.0001 ppm	5.2670 ppm	-0.0001 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run	0.4907 ppm	0.0097 ppm	0.0003 ppm	5.2966 ppm	0.0003 ppm	-0.0008 ppm	0.0017 ppm
Concentration per Run	0.4935 ppm	0.0095 ppm	0.0000 ppm	5.2506 ppm	-0.0003 ppm	0.0002 ppm	0.0011 ppm
Concentration per Run	0.4942 ppm	0.0094 ppm	-0.0001 ppm	5.2539 ppm	-0.0002 ppm	0.0010 ppm	0.0030 ppm
Concentration RSD	0.4 %	1.7 %	240.7 %	0.5 %	515.6 %	715.9 %	49.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0005 ppm	1.1208 ppm	0.0003 ppm	0.0080 ppm	0.0007 ppm	0.0013 ppm	0.0003 ppm
Concentration per Run	0.0019 ppm	1.1150 ppm	0.0007 ppm	0.0082 ppm	0.0007 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run	-0.0002 ppm	1.1193 ppm	0.0004 ppm	0.0081 ppm	0.0008 ppm	0.0016 ppm	0.0003 ppm
Concentration per Run	-0.0002 ppm	1.1280 ppm	0.0000 ppm	0.0079 ppm	0.0007 ppm	0.0015 ppm	0.0005 ppm
Concentration RSD	237.5 %	0.6 %	103.3 %	1.7 %	8.7 %	36.9 %	53.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	102.1953 %	99.4146 %	99.9595 %	101.0489 %	99.0497 %	98.3159 %
Concentration per Run	0.0008 ppm	102.4845 %	99.2686 %	100.2503 %	101.4792 %	99.9047 %	98.8097 %
Concentration per Run	0.0011 ppm	101.9300 %	99.9085 %	99.9663 %	100.4727 %	99.4657 %	97.9820 %
Concentration per Run	0.0010 ppm	102.1715 %	99.0668 %	99.6619 %	101.1949 %	97.7787 %	98.1561 %
Concentration RSD	12.2 %	0.3 %	0.4 %	0.3 %	0.5 %	1.1 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-04 WG2112482

Analysis started at: 9/11/2025 7:35:12 PM

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Rack Number 2

Vial Numbers 54

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0555 ppm	0.0011 ppm	0.0102 ppm	0.0069 ppm	0.0000 ppm	1.7314 ppm
Concentration per Run	-0.0003 ppm	0.0578 ppm	0.0013 ppm	0.0123 ppm	0.0069 ppm	0.0000 ppm	1.7332 ppm
Concentration per Run	-0.0003 ppm	0.0537 ppm	0.0008 ppm	0.0082 ppm	0.0071 ppm	0.0001 ppm	1.7297 ppm
Concentration per Run	-0.0004 ppm	0.0550 ppm	0.0013 ppm	0.0103 ppm	0.0068 ppm	0.0000 ppm	1.7312 ppm
Concentration RSD	14.5 %	3.8 %	26.0 %	20.0 %	2.5 %	124.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0004 ppm	0.1151 ppm	0.9281 ppm	-0.0009 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.1227 ppm	0.9192 ppm	-0.0014 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0007 ppm	0.0008 ppm	0.1115 ppm	0.9427 ppm	-0.0015 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0006 ppm	0.1111 ppm	0.9224 ppm	0.0001 ppm
Concentration RSD	105.2 %	45.6 %	100.2 %	109.9 %	5.7 %	1.4 %	97.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5008 ppm	0.0101 ppm	0.0001 ppm	5.4436 ppm	-0.0006 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run	0.4974 ppm	0.0102 ppm	0.0000 ppm	5.4378 ppm	-0.0005 ppm	-0.0006 ppm	0.0026 ppm
Concentration per Run	0.5065 ppm	0.0102 ppm	0.0000 ppm	5.4459 ppm	-0.0008 ppm	0.0003 ppm	0.0027 ppm
Concentration per Run	0.4984 ppm	0.0100 ppm	0.0003 ppm	5.4470 ppm	-0.0004 ppm	0.0014 ppm	-0.0033 ppm
Concentration RSD	1.0 %	1.4 %	159.1 %	0.1 %	31.3 %	285.1 %	520.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	1.1640 ppm	0.0008 ppm	0.0083 ppm	0.0037 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	-0.0033 ppm	1.1585 ppm	0.0020 ppm	0.0083 ppm	0.0002 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run	0.0029 ppm	1.1624 ppm	0.0001 ppm	0.0082 ppm	0.0005 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0006 ppm	1.1711 ppm	0.0004 ppm	0.0083 ppm	0.0105 ppm	0.0007 ppm	-0.0001 ppm
Concentration RSD	4,426.4 %	0.6 %	121.2 %	0.4 %	155.7 %	44.5 %	470.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0052 ppm	100.3340 %	97.1655 %	98.3475 %	99.1712 %	97.5294 %	96.6219 %
Concentration per Run	0.0052 ppm	100.6279 %	97.8316 %	98.8757 %	99.6033 %	98.1546 %	97.0716 %
Concentration per Run	0.0052 ppm	99.5608 %	98.5591 %	98.5359 %	98.2747 %	96.7645 %	96.6937 %
Concentration per Run	0.0053 ppm	100.8132 %	97.1057 %	97.6311 %	99.6356 %	97.6692 %	96.1003 %
Concentration RSD	1.8 %	0.7 %	0.7 %	0.7 %	0.8 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-7 WG2112482

Analysis started at: 9/11/2025 7:37:18 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 55

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0552 ppm	2.1573 ppm	0.1246 ppm	0.9804 ppm	2.0260 ppm	0.0524 ppm	11.9307 ppm
Concentration per Run	0.0552 ppm	2.1729 ppm	0.1241 ppm	0.9775 ppm	2.0246 ppm	0.0522 ppm	11.9222 ppm
Concentration per Run	0.0554 ppm	2.1490 ppm	0.1242 ppm	0.9868 ppm	2.0243 ppm	0.0525 ppm	11.9045 ppm
Concentration per Run	0.0551 ppm	2.1498 ppm	0.1255 ppm	0.9770 ppm	2.0290 ppm	0.0525 ppm	11.9653 ppm
Concentration RSD	0.2 %	0.6 %	0.6 %	0.6 %	0.1 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0547 ppm	0.5031 ppm	0.2062 ppm	0.2617 ppm	1.1317 ppm	1.1418 ppm	-0.0020 ppm
Concentration per Run	0.0544 ppm	0.5024 ppm	0.2061 ppm	0.2606 ppm	1.1331 ppm	1.1412 ppm	-0.0021 ppm
Concentration per Run	0.0551 ppm	0.5039 ppm	0.2073 ppm	0.2635 ppm	1.1266 ppm	1.14082 ppm	-0.0016 ppm
Concentration per Run	0.0544 ppm	0.5029 ppm	0.2051 ppm	0.2609 ppm	1.1355 ppm	1.14150 ppm	-0.0022 ppm
Concentration RSD	0.7 %	0.2 %	0.5 %	0.6 %	0.4 %	0.0 %	18.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.0320 ppm	0.5160 ppm	0.9831 ppm	15.6170 ppm	0.5118 ppm	0.5466 ppm	0.5164 ppm
Concentration per Run	10.9750 ppm	0.5167 ppm	0.9800 ppm	15.6479 ppm	0.5104 ppm	0.5472 ppm	0.5181 ppm
Concentration per Run	11.0795 ppm	0.5161 ppm	0.9870 ppm	15.6324 ppm	0.5133 ppm	0.5475 ppm	0.5140 ppm
Concentration per Run	11.0414 ppm	0.5152 ppm	0.9823 ppm	15.5707 ppm	0.5118 ppm	0.5451 ppm	0.5173 ppm
Concentration RSD	0.5 %	0.1 %	0.4 %	0.3 %	0.3 %	0.2 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1223 ppm	2.3023 ppm	0.9782 ppm	1.0059 ppm	1.0289 ppm	0.1209 ppm	0.5351 ppm
Concentration per Run	0.1220 ppm	2.2929 ppm	0.9782 ppm	1.0032 ppm	1.0282 ppm	0.1206 ppm	0.5337 ppm
Concentration per Run	0.1237 ppm	2.3104 ppm	0.9779 ppm	1.0056 ppm	1.0293 ppm	0.1219 ppm	0.5375 ppm
Concentration per Run	0.1212 ppm	2.3035 ppm	0.9786 ppm	1.0089 ppm	1.0291 ppm	0.1202 ppm	0.5342 ppm
Concentration RSD	1.0 %	0.4 %	0.0 %	0.3 %	0.1 %	0.7 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4948 ppm	100.1644 %	98.4660 %	96.8009 %	98.6439 %	98.5234 %	95.9502 %
Concentration per Run	0.4941 ppm	100.6364 %	99.1160 %	96.8446 %	98.9404 %	100.1817 %	95.9391 %
Concentration per Run	0.4968 ppm	99.2853 %	96.9944 %	96.9944 %	97.8607 %	98.5120 %	95.9958 %
Concentration per Run	0.4934 ppm	100.5716 %	97.9078 %	96.5636 %	99.1307 %	96.8766 %	95.9156 %
Concentration RSD	0.4 %	0.8 %	0.6 %	0.2 %	0.7 %	1.7 %	0.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-8 WG2112482

Analysis started at: 9/11/2025 7:39:24 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 56

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0585 ppm	-0.0001 ppm	0.0123 ppm	0.0073 ppm	0.0001 ppm	1.7968 ppm
Concentration per Run	-0.0008 ppm	0.0624 ppm	0.0007 ppm	0.0137 ppm	0.0072 ppm	0.0001 ppm	1.7928 ppm
Concentration per Run	-0.0007 ppm	0.0566 ppm	-0.0020 ppm	0.0119 ppm	0.0073 ppm	0.0000 ppm	1.7935 ppm
Concentration per Run	0.0000 ppm	0.0585 ppm	0.0010 ppm	0.0113 ppm	0.0075 ppm	0.0000 ppm	1.8041 ppm
Concentration RSD	85.0 %	5.7 %	2.2912 %	10.1 %	1.9 %	44.1 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0007 ppm	0.0009 ppm	0.0007 ppm	0.1393 ppm	0.9592 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0009 ppm	0.0001 ppm	0.0006 ppm	0.1388 ppm	0.9622 ppm	-0.0006 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0007 ppm	0.1398 ppm	0.9699 ppm	0.0009 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0007 ppm	0.0008 ppm	0.1394 ppm	0.9455 ppm	0.0003 ppm
Concentration RSD	18.1 %	25.0 %	25.0 %	9.2 %	0.3 %	1.3 %	356.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5228 ppm	0.0106 ppm	0.0005 ppm	5.6286 ppm	-0.0002 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.5225 ppm	0.0107 ppm	0.0003 ppm	5.6545 ppm	-0.0011 ppm	0.0002 ppm	-0.0004 ppm
Concentration per Run	0.5211 ppm	0.0109 ppm	0.0009 ppm	5.6353 ppm	0.0005 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run	0.5247 ppm	0.0104 ppm	0.0001 ppm	5.5959 ppm	0.0000 ppm	0.0017 ppm	-0.0002 ppm
Concentration RSD	0.3 %	2.5 %	85.1 %	0.5 %	358.2 %	73.6 %	713.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	1.2001 ppm	0.0012 ppm	0.0085 ppm	0.0007 ppm	0.0018 ppm	-0.0001 ppm
Concentration per Run	0.0034 ppm	1.1991 ppm	0.0012 ppm	0.0086 ppm	0.0007 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	0.0038 ppm	1.1997 ppm	0.0010 ppm	0.0086 ppm	0.0008 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run	0.0010 ppm	1.2016 ppm	0.0013 ppm	0.0085 ppm	0.0005 ppm	0.0019 ppm	-0.0003 ppm
Concentration RSD	55.1 %	0.1 %	12.4 %	0.9 %	23.3 %	22.1 %	147.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	99.5169 %	96.8194 %	97.3329 %	98.3346 %	97.2796 %	95.6614 %
Concentration per Run	0.0011 ppm	99.9487 %	97.0133 %	97.2927 %	98.8918 %	98.0972 %	95.6627 %
Concentration per Run	0.0008 ppm	99.4524 %	96.2641 %	97.6340 %	97.8886 %	96.8742 %	95.8376 %
Concentration per Run	0.0011 ppm	99.1495 %	97.1808 %	97.0719 %	98.2234 %	96.8673 %	95.4838 %
Concentration RSD	20.9 %	0.4 %	0.5 %	0.3 %	0.5 %	0.7 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-9 WG2112482

Analysis started at: 9/11/2025 7:41:30 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 57

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0473 ppm	1.9957 ppm	0.1138 ppm	0.9348 ppm	1.8756 ppm	0.0484 ppm	11.4799 ppm
Concentration per Run	0.0479 ppm	2.0046 ppm	0.1167 ppm	0.9369 ppm	1.8763 ppm	0.0486 ppm	11.5139 ppm
Concentration per Run	0.0468 ppm	1.9861 ppm	0.1107 ppm	0.9350 ppm	1.8735 ppm	0.0481 ppm	11.4122 ppm
Concentration per Run	0.0473 ppm	1.9965 ppm	0.1139 ppm	0.9324 ppm	1.8772 ppm	0.0485 ppm	11.5136 ppm
Concentration RSD	1.2 %	0.5 %	2.7 %	0.2 %	0.1 %	0.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0511 ppm	0.4697 ppm	0.1920 ppm	0.2438 ppm	1.0604 ppm	10.7499 ppm	-0.0008 ppm
Concentration per Run	0.0515 ppm	0.4708 ppm	0.1929 ppm	0.2451 ppm	1.0639 ppm	10.7787 ppm	-0.0018 ppm
Concentration per Run	0.0508 ppm	0.4700 ppm	0.1918 ppm	0.2441 ppm	1.0583 ppm	10.6967 ppm	0.0015 ppm
Concentration per Run	0.0509 ppm	0.4683 ppm	0.1912 ppm	0.2422 ppm	1.0591 ppm	10.7743 ppm	-0.0020 ppm
Concentration RSD	0.7 %	0.3 %	0.5 %	0.6 %	0.3 %	0.4 %	260.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.4973 ppm	0.4791 ppm	0.9312 ppm	14.8484 ppm	0.4776 ppm	0.5131 ppm	0.4774 ppm
Concentration per Run	10.5800 ppm	0.4810 ppm	0.9356 ppm	14.9069 ppm	0.4780 ppm	0.5111 ppm	0.4815 ppm
Concentration per Run	10.4866 ppm	0.4782 ppm	0.9319 ppm	14.8632 ppm	0.4775 ppm	0.5155 ppm	0.4809 ppm
Concentration per Run	10.4254 ppm	0.4781 ppm	0.9261 ppm	14.7750 ppm	0.4772 ppm	0.5128 ppm	0.4699 ppm
Concentration RSD	0.7 %	0.3 %	0.5 %	0.5 %	0.1 %	0.4 %	1.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1120 ppm	1.9009 ppm	0.9371 ppm	0.9506 ppm	0.9728 ppm	0.1127 ppm	0.4980 ppm
Concentration per Run	0.1121 ppm	1.9148 ppm	0.9357 ppm	0.9517 ppm	0.9818 ppm	0.1132 ppm	0.5001 ppm
Concentration per Run	0.1148 ppm	1.9035 ppm	0.9342 ppm	0.9490 ppm	0.9732 ppm	0.1127 ppm	0.4979 ppm
Concentration per Run	0.1089 ppm	1.8845 ppm	0.9413 ppm	0.9510 ppm	0.9635 ppm	0.1121 ppm	0.4958 ppm
Concentration RSD	2.6 %	0.8 %	0.4 %	0.1 %	0.9 %	0.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4645 ppm	99.4802 %	97.2345 %	95.7032 %	98.3145 %	96.5355 %	94.9749 %
Concentration per Run	0.4656 ppm	99.4727 %	96.6558 %	95.3134 %	98.8741 %	96.6380 %	94.3474 %
Concentration per Run	0.4645 ppm	99.3879 %	97.5670 %	95.2416 %	98.2599 %	97.6722 %	94.7414 %
Concentration per Run	0.4634 ppm	99.5800 %	97.4809 %	96.5545 %	97.8096 %	95.2964 %	95.8358 %
Concentration RSD	0.2 %	0.1 %	0.5 %	0.8 %	0.5 %	1.2 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2112482-10d5 WG2112482

Analysis started at: 9/11/2025 7:43:37 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 58

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0106 ppm	0.0004 ppm	0.0040 ppm	0.0011 ppm	0.0000 ppm	0.3244 ppm
Concentration per Run	-0.0003 ppm	0.0132 ppm	0.0014 ppm	0.0027 ppm	0.0012 ppm	0.0000 ppm	0.3201 ppm
Concentration per Run	-0.0008 ppm	0.0076 ppm	-0.0006 ppm	0.0054 ppm	0.0011 ppm	0.0000 ppm	0.3253 ppm
Concentration per Run	-0.0002 ppm	0.0110 ppm	0.0006 ppm	0.0039 ppm	0.0010 ppm	0.0000 ppm	0.3277 ppm
Concentration RSD	78.5 %	26.7 %	233.9 %	33.7 %	7.5 %	217.9 %	1.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	0.0222 ppm	0.1925 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0003 ppm	-0.0001 ppm	0.0208 ppm	0.1870 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0005 ppm	0.0221 ppm	0.2142 ppm	0.0014 ppm
Concentration per Run	0.0001 ppm	0.0009 ppm	-0.0002 ppm	0.0008 ppm	0.0238 ppm	0.1762 ppm	-0.0009 ppm
Concentration RSD	21.9 %	40.1 %	1.275.4 %	106.4 %	6.7 %	10.2 %	2.083.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0965 ppm	0.0018 ppm	0.0003 ppm	1.0108 ppm	-0.0006 ppm	0.0003 ppm	0.0019 ppm
Concentration per Run	0.0970 ppm	0.0020 ppm	0.0007 ppm	1.0167 ppm	-0.0010 ppm	0.0004 ppm	0.0041 ppm
Concentration per Run	0.0931 ppm	0.0018 ppm	0.0000 ppm	1.0046 ppm	-0.0003 ppm	0.0006 ppm	0.0021 ppm
Concentration per Run	0.0993 ppm	0.0018 ppm	0.0002 ppm	1.0110 ppm	-0.0006 ppm	-0.0001 ppm	-0.0006 ppm
Concentration RSD	3.2 %	5.6 %	113.8 %	0.6 %	56.0 %	104.8 %	125.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	0.2191 ppm	0.0019 ppm	0.0015 ppm	-0.0012 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	-0.0011 ppm	0.2203 ppm	0.0022 ppm	0.0015 ppm	-0.0014 ppm	0.0024 ppm	-0.0003 ppm
Concentration per Run	0.0029 ppm	0.2205 ppm	0.0020 ppm	0.0015 ppm	-0.0010 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	0.2165 ppm	0.0014 ppm	0.0016 ppm	-0.0011 ppm	0.0017 ppm	-0.0001 ppm
Concentration RSD	232.2 %	1.0 %	23.1 %	4.8 %	13.8 %	62.6 %	140.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0013 ppm	99.1027 %	96.7255 %	97.3133 %	98.6146 %	98.0570 %	96.1400 %
Concentration per Run	0.0018 ppm	99.0195 %	97.3514 %	97.5485 %	98.6194 %	99.8065 %	96.5152 %
Concentration per Run	0.0014 ppm	98.7828 %	96.5863 %	97.3445 %	98.1984 %	97.2136 %	95.8498 %
Concentration per Run	0.0008 ppm	99.5060 %	96.2389 %	97.0468 %	99.0260 %	97.1508 %	96.0550 %
Concentration RSD	37.5 %	0.4 %	0.6 %	0.3 %	0.4 %	1.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556120-01 WG2112482

Analysis started at: 9/11/2025 7:45:43 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 59

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.9120 ppm	0.0042 ppm	0.0127 ppm	0.0445 ppm	0.0001 ppm	8.0015 ppm
Concentration per Run	-0.0003 ppm	0.9157 ppm	0.0038 ppm	0.0117 ppm	0.0447 ppm	0.0001 ppm	8.0150 ppm
Concentration per Run	-0.0002 ppm	0.9098 ppm	0.0038 ppm	0.0123 ppm	0.0446 ppm	0.0002 ppm	7.9894 ppm
Concentration per Run	-0.0001 ppm	0.9104 ppm	0.0051 ppm	0.0142 ppm	0.0443 ppm	0.0001 ppm	8.0001 ppm
Concentration RSD	44.0 %	0.4 %	17.4 %	10.3 %	0.5 %	43.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0014 ppm	0.0049 ppm	0.0750 ppm	2.6672 ppm	2.5522 ppm	0.0065 ppm
Concentration per Run	0.0002 ppm	0.0016 ppm	0.0049 ppm	0.0756 ppm	2.6676 ppm	2.5476 ppm	0.0076 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	0.0045 ppm	0.0747 ppm	2.6606 ppm	2.5653 ppm	0.0070 ppm
Concentration per Run	0.0002 ppm	0.0013 ppm	0.0053 ppm	0.0746 ppm	2.6735 ppm	2.5455 ppm	0.0049 ppm
Concentration RSD	8.4 %	11.7 %	8.4 %	0.7 %	0.2 %	0.4 %	22.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.9605 ppm	0.1666 ppm	0.0051 ppm	53.9185 ppm	0.0038 ppm	0.0093 ppm	0.0029 ppm
Concentration per Run	0.9590 ppm	0.1670 ppm	0.0051 ppm	53.8236 ppm	0.0039 ppm	0.0085 ppm	0.0038 ppm
Concentration per Run	0.9648 ppm	0.1667 ppm	0.0052 ppm	54.1566 ppm	0.0042 ppm	0.0094 ppm	0.0043 ppm
Concentration per Run	0.9579 ppm	0.1660 ppm	0.0050 ppm	53.7753 ppm	0.0033 ppm	0.0100 ppm	0.0006 ppm
Concentration RSD	0.4 %	0.3 %	2.3 %	0.4 %	11.7 %	8.1 %	68.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	3.1478 ppm	0.0023 ppm	0.0396 ppm	0.0428 ppm	0.0021 ppm	0.0023 ppm
Concentration per Run	0.0050 ppm	3.1422 ppm	0.0029 ppm	0.0396 ppm	0.0432 ppm	0.0011 ppm	0.0024 ppm
Concentration per Run	0.0025 ppm	3.1582 ppm	0.0014 ppm	0.0397 ppm	0.0425 ppm	0.0024 ppm	0.0021 ppm
Concentration per Run	0.0014 ppm	3.1430 ppm	0.0026 ppm	0.0396 ppm	0.0426 ppm	0.0027 ppm	0.0022 ppm
Concentration RSD	63.3 %	0.3 %	33.3 %	0.1 %	0.9 %	39.6 %	8.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1457 ppm	100.3742 %	98.3320 %	97.4060 %	98.8211 %	97.6252 %	97.0794 %
Concentration per Run	0.1451 ppm	100.8318 %	98.0095 %	97.0845 %	99.3089 %	97.5451 %	96.8433 %
Concentration per Run	0.1465 ppm	99.8289 %	97.1580 %	97.2685 %	98.5240 %	98.2367 %	97.0504 %
Concentration per Run	0.1455 ppm	100.4619 %	98.8283 %	97.8651 %	98.6303 %	97.0938 %	97.3445 %
Concentration RSD	0.5 %	0.5 %	0.4 %	0.4 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-01 WG2112482

Analysis started at: 9/11/2025 7:47:49 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 60

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.1951 ppm	0.5280 ppm	0.0043 ppm	0.0112 ppm	0.0154 ppm	0.0000 ppm	7.3239 ppm
Concentration per Run	0.1954 ppm	0.5277 ppm	0.0039 ppm	0.0108 ppm	0.0154 ppm	0.0000 ppm	7.3470 ppm
Concentration per Run	0.1952 ppm	0.5316 ppm	0.0033 ppm	0.0112 ppm	0.0153 ppm	0.0000 ppm	7.3341 ppm
Concentration per Run	0.1947 ppm	0.5247 ppm	0.0057 ppm	0.0116 ppm	0.0154 ppm	0.0000 ppm	7.2907 ppm
Concentration RSD	0.2 %	0.7 %	29.9 %	3.5 %	0.4 %	67.0 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0009 ppm	0.0411 ppm	0.0154 ppm	3.0393 ppm	2.7226 ppm	0.0011 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0413 ppm	0.0154 ppm	3.0645 ppm	2.7074 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	0.0012 ppm	0.0408 ppm	0.0155 ppm	3.0341 ppm	2.7500 ppm	0.0039 ppm
Concentration per Run	0.0002 ppm	0.0010 ppm	0.0414 ppm	0.0155 ppm	3.0194 ppm	2.7105 ppm	-0.0010 ppm
Concentration RSD	77.0 %	44.0 %	0.8 %	0.4 %	0.8 %	0.9 %	238.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.0698 ppm	0.0135 ppm	0.0025 ppm	339.2089 ppm	0.0061 ppm	0.0020 ppm	0.0018 ppm
Concentration per Run	3.0734 ppm	0.0135 ppm	0.0027 ppm	337.3034 ppm	0.0062 ppm	0.0012 ppm	0.0068 ppm
Concentration per Run	3.0820 ppm	0.0132 ppm	0.0024 ppm	337.4579 ppm	0.0057 ppm	0.0025 ppm	-0.0013 ppm
Concentration per Run	3.0539 ppm	0.0137 ppm	0.0025 ppm	342.8656 ppm	0.0066 ppm	0.0023 ppm	0.0002 ppm
Concentration RSD	0.5 %	1.9 %	6.5 %	0.9 %	7.4 %	34.7 %	229.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0011 ppm	29.7934 [SIC 100]	0.0007 ppm	0.0354 ppm	0.0832 ppm	0.0012 ppm	0.0020 ppm
Concentration per Run	0.0040 ppm	29.8658 ppm	0.0002 ppm	0.0353 ppm	0.0830 ppm	0.0003 ppm	0.0018 ppm
Concentration per Run	-0.0001 ppm	29.8310 ppm	0.0012 ppm	0.0356 ppm	0.0838 ppm	0.0016 ppm	0.0021 ppm
Concentration per Run	-0.0007 ppm	29.6834 ppm	0.0007 ppm	0.0352 ppm	0.0828 ppm	0.0017 ppm	0.0021 ppm
Concentration RSD	241.3 %	0.3 %	67.0 %	0.5 %	0.7 %	63.8 %	9.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0210 ppm	95.0665 %	95.7745 %	89.7838 %	93.3978 %	95.4493 %	92.8829 %
Concentration per Run	0.0207 ppm	93.9632 %	96.5256 %	89.7922 %	92.6105 %	95.3718 %	92.8941 %
Concentration per Run	0.0212 ppm	95.0286 %	95.2424 %	89.8174 %	93.1882 %	93.6856 %	93.2041 %
Concentration per Run	0.0211 ppm	96.2076 %	95.5556 %	89.7419 %	94.3947 %	97.2905 %	92.5505 %
Concentration RSD	1.2 %	1.2 %	0.7 %	0.0 %	1.0 %	1.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:49:55 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5054 ppm	0.4882 ppm	0.4894 ppm	0.4742 ppm	0.4948 ppm	0.5104 ppm	0.4919 ppm
Concentration per Run	0.5068 ppm	0.4846 ppm	0.4898 ppm	0.4741 ppm	0.4946 ppm	0.5090 ppm	0.4890 ppm
Concentration per Run	0.5055 ppm	0.4942 ppm	0.4898 ppm	0.4751 ppm	0.4958 ppm	0.5091 ppm	0.4953 ppm
Concentration per Run	0.5040 ppm	0.4858 ppm	0.4887 ppm	0.4735 ppm	0.4940 ppm	0.5129 ppm	0.4914 ppm
Recovery Percentage	101.086 %	97.647 %	97.888 %	94.850 %	98.962 %	102.073 %	98.378 %
Concentration RSD	0.3 %	1.1 %	0.1 %	0.2 %	0.2 %	0.4 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5085 ppm	0.5059 ppm	0.5095 ppm	0.5243 ppm	0.5054 ppm	5.2406 ppm	0.5184 ppm
Concentration per Run	0.5107 ppm	0.5066 ppm	0.5117 ppm	0.5268 ppm	0.5037 ppm	5.2533 ppm	0.5181 ppm
Concentration per Run	0.5083 ppm	0.5068 ppm	0.5089 ppm	0.5235 ppm	0.5044 ppm	5.2886 ppm	0.5112 ppm
Concentration per Run	0.5066 ppm	0.5043 ppm	0.5080 ppm	0.5226 ppm	0.5080 ppm	5.1799 ppm	0.5259 ppm
Recovery Percentage	101.709 %	101.180 %	101.909 %	104.857 %	101.073 %	104.812 %	103.673 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.4 %	0.5 %	1.1 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5226 ppm	0.5026 ppm	0.4819 ppm	10.1627 ppm	0.5105 ppm	0.5120 ppm	0.5093 ppm
Concentration per Run	0.5266 ppm	0.5033 ppm	0.4836 ppm	10.1410 ppm	0.5103 ppm	0.5102 ppm	0.5135 ppm
Concentration per Run	0.5211 ppm	0.5031 ppm	0.4818 ppm	10.2132 ppm	0.5118 ppm	0.5148 ppm	0.5092 ppm
Concentration per Run	0.5200 ppm	0.5014 ppm	0.4803 ppm	10.1341 ppm	0.5094 ppm	0.5110 ppm	0.5052 ppm
Recovery Percentage	104.514 %	100.517 %	96.386 %	101.627 %	102.098 %	102.399 %	101.860 %
Concentration RSD	0.7 %	0.2 %	0.3 %	0.4 %	0.2 %	0.5 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4807 ppm	5.4247 ppm	0.4914 ppm	0.5073 ppm	0.5090 ppm	0.4919 ppm	0.5159 ppm
Concentration per Run	0.4783 ppm	5.4368 ppm	0.4898 ppm	0.5062 ppm	0.5130 ppm	0.4960 ppm	0.5176 ppm
Concentration per Run	0.4789 ppm	5.4288 ppm	0.4904 ppm	0.5080 ppm	0.5085 ppm	0.4889 ppm	0.5153 ppm
Concentration per Run	0.4849 ppm	5.4086 ppm	0.4938 ppm	0.5077 ppm	0.5056 ppm	0.4908 ppm	0.5148 ppm
Recovery Percentage	96.141 %	103.328 %	98.271 %	101.454 %	101.806 %	98.377 %	103.179 %
Concentration RSD	0.8 %	0.3 %	0.4 %	0.2 %	0.7 %	0.8 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4802 ppm	97.4537 %	95.7081 %	95.3579 %	95.8510 %	95.2660 %	94.2303 %
Concentration per Run	0.4812 ppm	97.8944 %	96.7393 %	94.4419 %	96.4629 %	96.7645 %	93.1905 %
Concentration per Run	0.4808 ppm	97.4950 %	96.0441 %	96.1859 %	95.5254 %	95.1797 %	95.1797 %
Concentration per Run	0.4787 ppm	96.9717 %	95.3409 %	95.4460 %	95.5645 %	93.4588 %	94.3208 %
Recovery Percentage	96.045 %						
Concentration RSD	0.3 %	0.5 %	0.9 %	0.9 %	0.6 %	1.8 %	1.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 7:52:02 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0021 ppm	0.0005 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	-0.0068 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	0.0004 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0090 ppm
Concentration per Run	-0.0002 ppm	0.0031 ppm	0.0013 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm	-0.0051 ppm
Concentration per Run	-0.0006 ppm	0.0031 ppm	-0.0003 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	-0.0062 ppm
Recovery Percentage	-7.292 %	2.113 %	9.439 %	3.084 %	-1.302 %	0.309 %	-6.754 %
Concentration RSD	46.5 %	83.2 %	167.0 %	130.3 %	156.4 %	121.0 %	29.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0369 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	-0.0004 ppm	-0.0002 ppm	0.0005 ppm	0.0274 ppm	0.0008 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm	0.0655 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0013 ppm	0.0003 ppm	0.0002 ppm	0.0007 ppm	0.0177 ppm	0.0014 ppm
Recovery Percentage	0.610 %	4.429 %	0.215 %	0.196 %	1.157 %	1.476 %	14.216 %
Concentration RSD	261.9 %	47.0 %	1,874.1 %	1,135.7 %	20.9 %	68.4 %	105.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0018 ppm	-0.0001 ppm	0.0000 ppm	0.0180 ppm	-0.0006 ppm	0.0014 ppm	-0.0009 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	0.0006 ppm	0.0171 ppm	-0.0010 ppm	0.0011 ppm	-0.0005 ppm
Concentration per Run	-0.0015 ppm	-0.0003 ppm	0.0004 ppm	0.0172 ppm	-0.0003 ppm	0.0017 ppm	-0.0007 ppm
Concentration per Run	-0.0020 ppm	0.0001 ppm	0.0002 ppm	0.0197 ppm	-0.0005 ppm	0.0014 ppm	-0.0015 ppm
Recovery Percentage	-1.810 %	-0.606 %	0.757 %	0.902 %	-2.328 %	14.007 %	-1.815 %
Concentration RSD	16.0 %	294.3 %	46.6 %	8.2 %	62.7 %	24.7 %	58.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	-0.0023 ppm	0.0007 ppm	-0.0001 ppm	-0.0012 ppm	0.0021 ppm	-0.0001 ppm
Concentration per Run	0.0024 ppm	-0.0026 ppm	-0.0005 ppm	-0.0001 ppm	-0.0008 ppm	0.0022 ppm	-0.0001 ppm
Concentration per Run	0.0004 ppm	-0.0013 ppm	0.0024 ppm	-0.0001 ppm	-0.0014 ppm	0.0019 ppm	-0.0002 ppm
Concentration per Run	-0.0044 ppm	-0.0030 ppm	0.0002 ppm	0.0000 ppm	-0.0014 ppm	0.0022 ppm	0.0000 ppm
Recovery Percentage	-5.300 %	-0.461 %	1.433 %	-0.859 %	-12.172 %	10.536 %	-0.766 %
Concentration RSD	665.0 %	39.0 %	209.7 %	60.8 %	27.5 %	7.7 %	100.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	96.5929 %	94.9498 %	95.0353 %	97.8364 %	97.3247 %	95.3261 %
Concentration per Run	0.0000 ppm	96.8638 %	95.2386 %	96.0205 %	98.0048 %	96.1952 %	96.2331 %
Concentration per Run	0.0003 ppm	96.5965 %	95.0564 %	94.2339 %	98.1940 %	98.2888 %	94.4388 %
Concentration per Run	0.0000 ppm	96.3183 %	94.5543 %	94.8514 %	97.3102 %	97.4899 %	95.3067 %
Recovery Percentage	2.345 %						
Concentration RSD	157.2 %	0.3 %	0.4 %	1.0 %	0.5 %	1.1 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-02 WG2112482

Analysis started at: 9/11/2025 7:54:42 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0085 ppm	0.0027 ppm	0.0098 ppm	0.0924 ppm	0.0000 ppm	20.5515 ppm
Concentration per Run	-0.0001 ppm	0.0161 ppm	0.0016 ppm	0.0091 ppm	0.0923 ppm	0.0001 ppm	20.4775 ppm
Concentration per Run	0.0000 ppm	0.0030 ppm	0.0039 ppm	0.0101 ppm	0.0922 ppm	0.0000 ppm	20.5976 ppm
Concentration per Run	-0.0003 ppm	0.0066 ppm	0.0027 ppm	0.0101 ppm	0.0928 ppm	0.0000 ppm	20.5794 ppm
Concentration RSD	138.2 %	79.4 %	43.7 %	6.0 %	0.3 %	265.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0021 ppm	0.0004 ppm	0.0036 ppm	13.9171 ppm	2.7920 ppm	0.0007 ppm
Concentration per Run	-0.0001 ppm	0.0027 ppm	-0.0002 ppm	0.0034 ppm	13.8105 ppm	2.7969 ppm	0.0022 ppm
Concentration per Run	-0.0002 ppm	0.0019 ppm	0.0007 ppm	0.0034 ppm	13.9734 ppm	2.7846 ppm	0.0010 ppm
Concentration per Run	0.0000 ppm	0.0017 ppm	0.0006 ppm	0.0038 ppm	13.9675 ppm	2.7946 ppm	-0.0010 ppm
Concentration RSD	61.7 %	25.1 %	141.8 %	5.5 %	0.7 %	0.2 %	223.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.9649 ppm	1.5348 ppm	0.0001 ppm	33.9162 ppm	0.0016 ppm	0.0000 ppm	0.0039 ppm
Concentration per Run	6.9501 ppm	1.5281 ppm	0.0002 ppm	33.6877 ppm	0.0016 ppm	0.0002 ppm	0.0051 ppm
Concentration per Run	6.9814 ppm	1.5392 ppm	0.0004 ppm	33.9043 ppm	0.0021 ppm	0.0002 ppm	0.0056 ppm
Concentration per Run	6.9632 ppm	1.5372 ppm	-0.0004 ppm	34.1567 ppm	0.0012 ppm	-0.0003 ppm	0.0009 ppm
Concentration RSD	0.2 %	0.4 %	480.0 %	0.7 %	26.8 %	2,061.7 %	65.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	2.9752 ppm	-0.0005 ppm	0.0613 ppm	-0.0010 ppm	0.0017 ppm	-0.0002 ppm
Concentration per Run	0.0025 ppm	2.9640 ppm	-0.0011 ppm	0.0612 ppm	-0.0008 ppm	0.0021 ppm	-0.0003 ppm
Concentration per Run	-0.0002 ppm	2.9925 ppm	-0.0002 ppm	0.0611 ppm	-0.0010 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0031 ppm	2.9691 ppm	0.0003 ppm	0.0615 ppm	-0.0008 ppm	0.0019 ppm	0.0000 ppm
Concentration RSD	96.4 %	0.5 %	133.3 %	0.4 %	47.9 %	33.8 %	70.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0092 ppm	101.2289 %	99.8406 %	97.4324 %	99.6083 %	100.2416 %	97.5184 %
Concentration per Run	0.0092 ppm	101.7996 %	99.2083 %	97.6230 %	100.4419 %	98.7661 %	97.9302 %
Concentration per Run	0.0091 ppm	100.4742 %	100.3718 %	97.4158 %	98.7544 %	100.7309 %	97.3946 %
Concentration per Run	0.0094 ppm	101.4129 %	99.9417 %	97.2583 %	99.6284 %	101.2278 %	97.2304 %
Concentration RSD	2.2 %	0.7 %	0.6 %	0.2 %	0.8 %	1.3 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-03 WG2112482

Analysis started at: 9/11/2025 7:56:53 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0134 ppm	0.0080 ppm	0.0116 ppm	0.0194 ppm	0.0000 ppm	4.3934 ppm
Concentration per Run	0.0002 ppm	0.0157 ppm	0.0087 ppm	0.0103 ppm	0.0194 ppm	0.0000 ppm	4.4027 ppm
Concentration per Run	0.0005 ppm	0.0148 ppm	0.0076 ppm	0.0135 ppm	0.0195 ppm	0.0000 ppm	4.3832 ppm
Concentration per Run	-0.0002 ppm	0.0155 ppm	0.0076 ppm	0.0109 ppm	0.0193 ppm	0.0000 ppm	4.3942 ppm
Concentration RSD	221.8 %	3.0 %	8.0 %	14.7 %	0.3 %	27.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0006 ppm	0.0049 ppm	0.0012 ppm	24.3289 ppm	1.1744 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0050 ppm	0.0015 ppm	24.4969 ppm	1.1988 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	0.0055 ppm	0.0009 ppm	24.1973 ppm	1.1609 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0044 ppm	0.0012 ppm	24.2924 ppm	1.1634 ppm	0.0003 ppm
Concentration RSD	74.8 %	30.0 %	10.9 %	24.4 %	0.6 %	1.8 %	223.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1383 ppm	0.1380 ppm	0.0007 ppm	73.4305 ppm	0.0006 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	1.1397 ppm	0.1379 ppm	0.0009 ppm	72.8178 ppm	0.0008 ppm	-0.0001 ppm	-0.0011 ppm
Concentration per Run	1.1432 ppm	0.1380 ppm	0.0007 ppm	73.7011 ppm	0.0007 ppm	0.0005 ppm	-0.0004 ppm
Concentration per Run	1.1319 ppm	0.1381 ppm	0.0005 ppm	73.7726 ppm	0.0003 ppm	0.0009 ppm	0.0021 ppm
Concentration RSD	0.5 %	0.1 %	27.7 %	0.7 %	43.8 %	125.9 %	892.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	5.9808 ppm	-0.0005 ppm	0.0242 ppm	-0.0008 ppm	0.0016 ppm	0.0003 ppm
Concentration per Run	0.0019 ppm	5.9953 ppm	0.0001 ppm	0.0243 ppm	-0.0004 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run	0.0020 ppm	5.9837 ppm	-0.0011 ppm	0.0242 ppm	-0.0003 ppm	0.0013 ppm	0.0005 ppm
Concentration per Run	0.0016 ppm	5.9635 ppm	-0.0004 ppm	0.0241 ppm	-0.0007 ppm	0.0021 ppm	0.0003 ppm
Concentration RSD	12.2 %	0.3 %	127.4 %	0.4 %	60.1 %	30.1 %	40.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-IFR)
Concentration average	0.0016 ppm	100.8205 %	99.5239 %	96.3140 %	98.7368 %	97.2843 %	96.8557 %
Concentration per Run	0.0014 ppm	100.9783 %	100.1061 %	96.5656 %	98.7649 %	96.9195 %	97.2215 %
Concentration per Run	0.0016 ppm	101.0505 %	99.4366 %	96.2293 %	99.1886 %	97.8552 %	96.5607 %
Concentration per Run	0.0017 ppm	100.4327 %	99.0290 %	96.1470 %	98.2570 %	97.0781 %	96.7849 %
Concentration RSD	9.6 %	0.3 %	0.5 %	0.2 %	0.5 %	0.5 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-05 WG2112482

Analysis started at: 9/11/2025 7:59:00 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0298 ppm	0.0027 ppm	0.0142 ppm	0.2238 ppm	0.0001 ppm	11.1815 ppm
Concentration per Run	0.0000 ppm	0.0264 ppm	0.0040 ppm	0.0166 ppm	0.2235 ppm	0.0001 ppm	11.1445 ppm
Concentration per Run	-0.0002 ppm	0.0290 ppm	0.0024 ppm	0.0125 ppm	0.2241 ppm	0.0000 ppm	11.1771 ppm
Concentration per Run	0.0005 ppm	0.0341 ppm	0.0017 ppm	0.0133 ppm	0.2238 ppm	0.0001 ppm	11.2228 ppm
Concentration RSD	365.0 %	13.2 %	42.5 %	15.1 %	0.1 %	49.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0021 ppm	-0.0001 ppm	0.0015 ppm	2.6785 ppm	2.6785 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0024 ppm	0.0003 ppm	0.0013 ppm	2.6632 ppm	2.7377 ppm	-0.0015 ppm
Concentration per Run	0.0001 ppm	0.0018 ppm	-0.0003 ppm	0.0012 ppm	2.6808 ppm	2.6808 ppm	0.0014 ppm
Concentration per Run	0.0000 ppm	0.0021 ppm	-0.0003 ppm	0.0019 ppm	2.6916 ppm	2.6916 ppm	-0.0011 ppm
Concentration RSD	46.0 %	13.2 %	331.7 %	24.6 %	0.6 %	0.5 %	413.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.9461 ppm	0.2274 ppm	0.0001 ppm	53.9825 ppm	0.0016 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run	3.9703 ppm	0.2272 ppm	-0.0001 ppm	53.7470 ppm	0.0018 ppm	-0.0011 ppm	0.0006 ppm
Concentration per Run	3.9335 ppm	0.2269 ppm	0.0000 ppm	53.7956 ppm	0.0016 ppm	-0.0003 ppm	0.0005 ppm
Concentration per Run	3.9345 ppm	0.2280 ppm	0.0002 ppm	54.4049 ppm	0.0014 ppm	0.0010 ppm	0.0001 ppm
Concentration RSD	0.5 %	0.3 %	304.0 %	0.7 %	12.2 %	752.8 %	69.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0007 ppm	8.2431 ppm	-0.0002 ppm	0.0747 ppm	-0.0010 ppm	0.0015 ppm	-0.0003 ppm
Concentration per Run	-0.0032 ppm	8.2649 ppm	-0.0003 ppm	0.0746 ppm	-0.0010 ppm	0.0028 ppm	-0.0002 ppm
Concentration per Run	-0.0005 ppm	8.2177 ppm	0.0007 ppm	0.0747 ppm	-0.0011 ppm	0.0001 ppm	-0.0005 ppm
Concentration per Run	0.0016 ppm	8.2466 ppm	-0.0011 ppm	0.0746 ppm	-0.0008 ppm	0.0018 ppm	-0.0003 ppm
Concentration RSD	335.5 %	0.3 %	392.1 %	0.1 %	13.2 %	88.0 %	50.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0793 ppm	99.8769 ppm	98.7481 ppm	95.7631 ppm	98.2486 ppm	99.3389 ppm	96.1712 ppm
Concentration per Run	0.0792 ppm	100.3975 ppm	98.3387 ppm	96.2385 ppm	98.6266 ppm	99.1807 ppm	96.8905 ppm
Concentration per Run	0.0796 ppm	99.8371 ppm	99.1783 ppm	95.2285 ppm	98.6457 ppm	99.0517 ppm	95.5368 ppm
Concentration per Run	0.0792 ppm	99.3960 ppm	98.7274 ppm	95.8222 ppm	97.4735 ppm	99.7843 ppm	96.0864 ppm
Concentration RSD	0.3 %	0.5 %	0.4 %	0.5 %	0.7 %	0.4 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-06 WG2112482

Analysis started at: 9/11/2025 8:20:34 PM

Comment: <Comment>

Rack Number 3

Vial Numbers 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.1196 ppm	0.0582 ppm	0.0020 ppm	0.0108 ppm	0.0165 ppm	0.0000 ppm	32.3244 ppm
Concentration per Run	0.1202 ppm	0.0625 ppm	0.0028 ppm	0.0107 ppm	0.0167 ppm	0.0001 ppm	32.3614 ppm
Concentration per Run	0.1187 ppm	0.0571 ppm	0.0010 ppm	0.0107 ppm	0.0165 ppm	0.0000 ppm	32.3262 ppm
Concentration per Run	0.1199 ppm	0.0551 ppm	0.0024 ppm	0.0109 ppm	0.0163 ppm	0.0000 ppm	32.2855 ppm
Concentration RSD	0.6 %	6.6 %	47.1 %	0.8 %	1.1 %	186.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0010 ppm	0.0013 ppm	0.0018 ppm	4.2752 ppm	4.0242 ppm	0.0001 ppm
Concentration per Run	-0.0003 ppm	0.0013 ppm	0.0013 ppm	0.0016 ppm	4.2676 ppm	4.0677 ppm	0.0011 ppm
Concentration per Run	-0.0003 ppm	0.0004 ppm	0.0004 ppm	0.0020 ppm	4.2791 ppm	3.9923 ppm	-0.0021 ppm
Concentration per Run	-0.0003 ppm	0.0012 ppm	0.0012 ppm	0.0016 ppm	4.2789 ppm	4.0128 ppm	0.0014 ppm
Concentration RSD	0.7 %	47.9 %	0.7 %	12.2 %	0.2 %	1.0 %	1.585.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.8527 ppm	0.0486 ppm	0.0032 ppm	319.8886 ppm	0.0016 ppm	0.0006 ppm	-0.0009 ppm
Concentration per Run	9.9663 ppm	0.0488 ppm	0.0031 ppm	319.7696 ppm	0.0014 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run	9.8539 ppm	0.0487 ppm	0.0030 ppm	320.3556 ppm	0.0027 ppm	0.0004 ppm	-0.0004 ppm
Concentration per Run	9.9379 ppm	0.0482 ppm	0.0035 ppm	319.5405 ppm	0.0007 ppm	0.0003 ppm	-0.0032 ppm
Concentration RSD	1.8 %	0.6 %	8.6 %	0.1 %	62.9 %	64.3 %	232.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0024 ppm	5.1265 ppm	0.0006 ppm	0.1869 ppm	0.0243 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run	0.0008 ppm	5.1605 ppm	0.0006 ppm	0.1873 ppm	0.0246 ppm	-0.0003 ppm	0.0004 ppm
Concentration per Run	0.0043 ppm	5.0929 ppm	0.0007 ppm	0.1863 ppm	0.0239 ppm	0.0019 ppm	0.0000 ppm
Concentration per Run	0.0020 ppm	5.1262 ppm	0.0006 ppm	0.1870 ppm	0.0242 ppm	0.0012 ppm	0.0006 ppm
Concentration RSD	73.1 %	0.7 %	11.3 %	0.3 %	1.4 %	119.0 %	92.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0062 ppm	96.9286 %	98.0360 %	89.6157 %	95.2264 %	97.5660 %	92.7387 %
Concentration per Run	0.0063 ppm	97.2602 %	97.4100 %	89.2206 %	96.1321 %	96.8629 %	92.3835 %
Concentration per Run	0.0063 ppm	97.0000 %	97.7884 %	89.1839 %	94.5130 %	96.9951 %	92.0841 %
Concentration per Run	0.0062 ppm	96.5256 %	98.9096 %	90.4426 %	95.0342 %	98.8400 %	93.7485 %
Concentration RSD	1.0 %	0.4 %	0.8 %	0.8 %	0.9 %	1.1 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-07 WG2112482

Analysis started at: 9/11/2025 8:22:46 PM

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Rack Number: 3

Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0019 ppm	0.0513 ppm	0.0005 ppm	0.0070 ppm	0.0645 ppm	0.0000 ppm	10.7259 ppm
Concentration per Run	0.0018 ppm	0.0504 ppm	-0.0001 ppm	0.0061 ppm	0.0646 ppm	0.0001 ppm	10.7624 ppm
Concentration per Run	0.0021 ppm	0.0590 ppm	0.0010 ppm	0.0080 ppm	0.0645 ppm	0.0000 ppm	10.7096 ppm
Concentration per Run	0.0019 ppm	0.0445 ppm	0.0007 ppm	0.0068 ppm	0.0642 ppm	0.0000 ppm	10.7057 ppm
Concentration RSD	9.1 %	14.2 %	102.8 %	13.6 %	0.4 %	281.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0724 ppm	1.8545 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0003 ppm	0.0718 ppm	1.8632 ppm	-0.0007 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0708 ppm	1.8447 ppm	0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0004 ppm	0.0004 ppm	0.0746 ppm	1.8556 ppm	-0.0003 ppm
Concentration RSD	201.6 %	129.9 %	110.1 %	30.1 %	2.7 %	0.5 %	125.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.3530 ppm	0.0105 ppm	0.0004 ppm	17.7301 ppm	-0.0006 ppm	0.0006 ppm	0.0013 ppm
Concentration per Run	3.3487 ppm	0.0104 ppm	0.0000 ppm	17.6518 ppm	-0.0001 ppm	0.0002 ppm	-0.0019 ppm
Concentration per Run	3.3791 ppm	0.0105 ppm	0.0006 ppm	17.8107 ppm	-0.0009 ppm	0.0005 ppm	0.0045 ppm
Concentration per Run	3.3312 ppm	0.0104 ppm	0.0004 ppm	17.7279 ppm	-0.0008 ppm	0.0009 ppm	0.0013 ppm
Concentration RSD	0.7 %	0.5 %	84.8 %	0.4 %	69.4 %	63.2 %	242.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	2.0646 ppm	-0.0002 ppm	0.0732 ppm	0.0011 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run	0.0039 ppm	2.0697 ppm	-0.0017 ppm	0.0733 ppm	0.0009 ppm	0.0021 ppm	-0.0002 ppm
Concentration per Run	0.0053 ppm	2.0680 ppm	0.0008 ppm	0.0732 ppm	0.0012 ppm	0.0012 ppm	-0.0002 ppm
Concentration per Run	-0.0012 ppm	2.0561 ppm	0.0003 ppm	0.0730 ppm	0.0013 ppm	0.0007 ppm	-0.0003 ppm
Concentration RSD	128.0 %	0.4 %	641.5 %	0.2 %	17.3 %	53.5 %	16.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0031 ppm	100.0820 %	96.7571 %	97.1334 %	97.8300 %	96.9149 %	95.9513 %
Concentration per Run	0.0031 ppm	99.9793 %	96.4153 %	96.9142 %	97.5004 %	95.8785 %	95.8956 %
Concentration per Run	0.0030 ppm	100.0074 %	97.3818 %	97.3815 %	97.7937 %	98.2422 %	96.5297 %
Concentration per Run	0.0033 ppm	100.2593 %	96.4741 %	96.5946 %	98.1960 %	96.6242 %	95.4286 %
Concentration RSD	4.9 %	0.2 %	0.6 %	0.7 %	0.4 %	1.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-09 WG2112482

Analysis started at: 9/11/2025 8:24:53 PM

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Rack Number 3

Vial Numbers 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.1909 ppm	0.6377 ppm	0.0022 ppm	0.0085 ppm	0.1086 ppm	0.0001 ppm	13.3267 ppm
Concentration per Run	0.1908 ppm	0.6501 ppm	0.0018 ppm	0.0073 ppm	0.1088 ppm	0.0001 ppm	13.3585 ppm
Concentration per Run	0.1909 ppm	0.6459 ppm	0.0007 ppm	0.0094 ppm	0.1082 ppm	0.0001 ppm	13.2954 ppm
Concentration per Run	0.1910 ppm	0.6169 ppm	0.0042 ppm	0.0087 ppm	0.1088 ppm	0.0000 ppm	13.3264 ppm
Concentration RSD	0.0 %	2.8 %	79.2 %	12.6 %	0.3 %	40.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0012 ppm	0.0281 ppm	0.0113 ppm	1.3124 ppm	2.8239 ppm	-0.0006 ppm
Concentration per Run	0.0000 ppm	0.0015 ppm	0.0282 ppm	0.0111 ppm	1.3113 ppm	2.8108 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	0.0009 ppm	0.0278 ppm	0.0116 ppm	1.3182 ppm	2.8376 ppm	-0.0009 ppm
Concentration per Run	-0.0001 ppm	0.0014 ppm	0.0282 ppm	0.0111 ppm	1.3077 ppm	2.8233 ppm	-0.0011 ppm
Concentration RSD	37.8 %	27.0 %	0.9 %	2.3 %	0.4 %	0.5 %	120.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.1417 ppm	0.0053 ppm	0.0011 ppm	101.1815 ppm	0.0023 ppm	0.0031 ppm	0.0009 ppm
Concentration per Run	3.1386 ppm	0.0055 ppm	0.0011 ppm	101.8443 ppm	0.0030 ppm	0.0030 ppm	-0.0004 ppm
Concentration per Run	3.1355 ppm	0.0052 ppm	0.0010 ppm	100.7426 ppm	0.0010 ppm	0.0023 ppm	0.0029 ppm
Concentration per Run	3.1511 ppm	0.0051 ppm	0.0012 ppm	100.9575 ppm	0.0028 ppm	0.0039 ppm	0.0001 ppm
Concentration RSD	0.3 %	3.3 %	7.7 %	0.6 %	49.6 %	25.2 %	196.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	6.7505 ppm	0.0005 ppm	0.0825 ppm	0.0754 ppm	0.0014 ppm	0.0032 ppm
Concentration per Run	-0.0011 ppm	6.7329 ppm	0.0007 ppm	0.0825 ppm	0.0755 ppm	0.0025 ppm	0.0030 ppm
Concentration per Run	0.0032 ppm	6.7494 ppm	0.0004 ppm	0.0824 ppm	0.0751 ppm	0.0032 ppm	0.0032 ppm
Concentration per Run	0.0033 ppm	6.7691 ppm	0.0003 ppm	0.0826 ppm	0.0756 ppm	0.0013 ppm	0.0033 ppm
Concentration RSD	140.7 %	0.3 %	41.2 %	0.2 %	0.4 %	78.6 %	5.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0153 ppm	101.3110 %	100.9481 %	97.5071 %	99.2088 %	101.8156 %	98.7649 %
Concentration per Run	0.0155 ppm	101.2739 %	100.7487 %	97.2776 %	99.3672 %	102.8747 %	98.6063 %
Concentration per Run	0.0155 ppm	101.1207 %	101.2927 %	97.4839 %	98.9124 %	101.3990 %	98.3463 %
Concentration per Run	0.0150 ppm	101.5384 %	100.8030 %	97.7598 %	99.3470 %	101.1732 %	99.3422 %
Concentration RSD	1.9 %	0.2 %	0.3 %	0.2 %	0.3 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-10 WG2112482

Analysis started at: 9/11/2025 8:26:59 PM

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Rack Number 3

Vial Numbers 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0296 ppm	0.0014 ppm	0.0053 ppm	0.0146 ppm	0.0000 ppm	19.6193 ppm
Concentration per Run	0.0001 ppm	0.0342 ppm	0.0019 ppm	0.0046 ppm	0.0148 ppm	0.0000 ppm	19.5695 ppm
Concentration per Run	0.0004 ppm	0.0283 ppm	0.0007 ppm	0.0058 ppm	0.0144 ppm	0.0001 ppm	19.7805 ppm
Concentration per Run	0.0005 ppm	0.0263 ppm	0.0016 ppm	0.0055 ppm	0.0146 ppm	-0.0001 ppm	19.5080 ppm
Concentration RSD	69.4 %	13.9 %	47.0 %	12.0 %	1.5 %	315.2 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0447 ppm	2.2089 ppm	-0.0030 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	0.0004 ppm	0.0002 ppm	0.0451 ppm	2.2545 ppm	-0.0011 ppm
Concentration per Run	-0.0002 ppm	0.0006 ppm	0.0003 ppm	0.0001 ppm	0.0454 ppm	2.2027 ppm	-0.0035 ppm
Concentration per Run	-0.0002 ppm	-0.0004 ppm	-0.0001 ppm	-0.0001 ppm	0.0436 ppm	2.1694 ppm	-0.0043 ppm
Concentration RSD	28.6 %	198.4 %	125.5 %	233.3 %	2.2 %	1.9 %	55.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.7949 ppm	0.0006 ppm	0.0002 ppm	20.6817 ppm	-0.0002 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run	4.7948 ppm	0.0004 ppm	0.0004 ppm	20.5243 ppm	0.0000 ppm	0.0009 ppm	-0.0008 ppm
Concentration per Run	4.8129 ppm	0.0005 ppm	0.0004 ppm	20.7480 ppm	-0.0005 ppm	0.0014 ppm	0.0007 ppm
Concentration per Run	4.7770 ppm	0.0007 ppm	-0.0001 ppm	20.7729 ppm	0.0000 ppm	0.0006 ppm	0.0008 ppm
Concentration RSD	0.4 %	25.3 %	146.7 %	0.7 %	175.9 %	41.3 %	363.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0025 ppm	1.6780 ppm	0.0002 ppm	0.1227 ppm	0.0003 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run	-0.0015 ppm	1.6680 ppm	0.0008 ppm	0.1225 ppm	0.0003 ppm	0.0013 ppm	-0.0005 ppm
Concentration per Run	-0.0016 ppm	1.6833 ppm	-0.0001 ppm	0.1226 ppm	0.0002 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	-0.0043 ppm	1.6828 ppm	0.0000 ppm	0.1230 ppm	0.0004 ppm	0.0019 ppm	0.0001 ppm
Concentration RSD	65.7 %	0.5 %	248.6 %	0.2 %	23.4 %	25.2 %	340.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-IFR)
Concentration average	0.0014 ppm	99.6959 %	97.8070 %	97.3989 %	98.1584 %	98.3579 %	96.4477 %
Concentration per Run	0.0012 ppm	100.1666 %	97.8532 %	97.4978 %	98.2028 %	98.9029 %	96.7007 %
Concentration per Run	0.0014 ppm	99.5009 %	97.8830 %	97.0224 %	98.5994 %	97.6809 %	95.9896 %
Concentration per Run	0.0014 ppm	99.4203 %	97.6847 %	97.6766 %	97.6729 %	98.4898 %	96.6527 %
Concentration RSD	10.6 %	0.4 %	0.1 %	0.3 %	0.5 %	0.6 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-11 WG2112482

Analysis started at: 9/11/2025 8:29:05 PM

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Rack Number 3

Vial Numbers 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0322 ppm	0.0014 ppm	0.0180 ppm	0.0202 ppm	0.0000 ppm	5.7297 ppm
Concentration per Run	-0.0002 ppm	0.0353 ppm	0.0026 ppm	0.0185 ppm	0.0202 ppm	0.0001 ppm	5.7192 ppm
Concentration per Run	0.0001 ppm	0.0298 ppm	0.0003 ppm	0.0186 ppm	0.0199 ppm	0.0000 ppm	5.7238 ppm
Concentration per Run	-0.0010 ppm	0.0314 ppm	0.0014 ppm	0.0169 ppm	0.0204 ppm	0.0000 ppm	5.7461 ppm
Concentration RSD	153.4 %	8.7 %	81.6 %	5.3 %	1.1 %	210.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0650 ppm	1.3369 ppm	-0.0019 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	-0.0002 ppm	0.0004 ppm	0.0660 ppm	1.3673 ppm	-0.0019 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0639 ppm	1.2955 ppm	-0.0020 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0649 ppm	1.3481 ppm	-0.0017 ppm
Concentration RSD	102.5 %	392.1 %	207.3 %	97.7 %	1.6 %	2.8 %	9.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1309 ppm	0.0016 ppm	-0.0001 ppm	9.9767 ppm	0.0005 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	1.1335 ppm	0.0018 ppm	-0.0003 ppm	9.8748 ppm	0.0001 ppm	-0.0006 ppm	0.0007 ppm
Concentration per Run	1.1301 ppm	0.0016 ppm	0.0000 ppm	9.8976 ppm	-0.0001 ppm	0.0015 ppm	0.0031 ppm
Concentration per Run	1.1292 ppm	0.0013 ppm	-0.0001 ppm	10.1578 ppm	0.0014 ppm	-0.0036 ppm	-0.0036 ppm
Concentration RSD	0.2 %	15.6 %	150.8 %	1.6 %	175.6 %	571.7 %	3.890.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	3.1218 ppm	0.0007 ppm	0.0419 ppm	-0.0003 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run	0.0030 ppm	3.1081 ppm	0.0008 ppm	0.0419 ppm	-0.0003 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run	0.0020 ppm	3.1262 ppm	0.0006 ppm	0.0418 ppm	-0.0001 ppm	0.0013 ppm	-0.0004 ppm
Concentration per Run	-0.0050 ppm	3.1310 ppm	0.0007 ppm	0.0419 ppm	-0.0005 ppm	0.0015 ppm	-0.0003 ppm
Concentration RSD	20,303.3 %	0.4 %	13.4 %	0.2 %	63.0 %	10.9 %	195.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0407 ppm	101.3796 %	98.8019 %	99.2210 %	99.7378 %	100.0487 %	98.1314 %
Concentration per Run	0.0405 ppm	101.5435 %	99.4682 %	99.2763 %	99.6518 %	100.2673 %	98.2112 %
Concentration per Run	0.0403 ppm	101.4290 %	99.3201 %	98.8444 %	100.3836 %	99.4530 %	97.7536 %
Concentration per Run	0.0412 ppm	101.1663 %	97.6173 %	99.5422 %	99.1781 %	100.4259 %	98.4294 %
Concentration RSD	1.2 %	0.2 %	1.0 %	0.4 %	0.6 %	0.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-12 WG2112482

Analysis started at: 9/11/2025 8:31:11 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 9

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0142 ppm	0.0023 ppm	0.0081 ppm	0.0171 ppm	0.0000 ppm	2.0402 ppm
Concentration per Run	-0.0001 ppm	0.0136 ppm	0.0007 ppm	0.0065 ppm	0.0173 ppm	0.0000 ppm	2.0535 ppm
Concentration per Run	-0.0002 ppm	0.0181 ppm	0.0031 ppm	0.0081 ppm	0.0168 ppm	0.0000 ppm	2.0291 ppm
Concentration per Run	-0.0002 ppm	0.0110 ppm	0.0030 ppm	0.0097 ppm	0.0172 ppm	0.0000 ppm	2.0380 ppm
Concentration RSD	37.2 %	25.4 %	59.4 %	19.7 %	1.6 %	193.7 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0022 ppm	0.0001 ppm	0.0004 ppm	13.0859 ppm	1.4888 ppm	-0.0010 ppm
Concentration per Run	0.0000 ppm	0.0023 ppm	0.0002 ppm	0.0006 ppm	13.0994 ppm	1.4941 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	0.0021 ppm	0.0007 ppm	0.0001 ppm	12.9955 ppm	1.4836 ppm	0.0003 ppm
Concentration per Run	0.0000 ppm	0.0021 ppm	-0.0007 ppm	0.0006 ppm	13.1630 ppm	1.4887 ppm	-0.0028 ppm
Concentration RSD	104.5 %	4.2 %	985.9 %	65.3 %	0.6 %	0.4 %	166.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5671 ppm	0.3331 ppm	0.0016 ppm	17.9512 ppm	-0.0002 ppm	0.0010 ppm	0.0020 ppm
Concentration per Run	0.5671 ppm	0.3337 ppm	0.0016 ppm	17.9039 ppm	-0.0003 ppm	0.0007 ppm	0.0015 ppm
Concentration per Run	0.5684 ppm	0.3321 ppm	0.0016 ppm	17.9357 ppm	0.0001 ppm	0.0020 ppm	0.0029 ppm
Concentration per Run	0.5659 ppm	0.3335 ppm	0.0015 ppm	18.0141 ppm	-0.0005 ppm	0.0002 ppm	0.0016 ppm
Concentration RSD	0.2 %	0.3 %	4.0 %	0.3 %	139.2 %	90.7 %	38.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0006 ppm	3.4231 ppm	0.0004 ppm	0.0242 ppm	-0.0008 ppm	0.0013 ppm	-0.0003 ppm
Concentration per Run	0.0011 ppm	3.4189 ppm	0.0001 ppm	0.0244 ppm	-0.0006 ppm	0.0015 ppm	-0.0002 ppm
Concentration per Run	0.0012 ppm	3.4321 ppm	-0.0002 ppm	0.0240 ppm	-0.0005 ppm	0.0011 ppm	-0.0005 ppm
Concentration per Run	-0.0005 ppm	3.4182 ppm	0.0013 ppm	0.0243 ppm	-0.0012 ppm	0.0012 ppm	-0.0003 ppm
Concentration RSD	168.5 %	0.2 %	203.8 %	0.9 %	48.5 %	17.7 %	45.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0039 ppm	101.3822 %	99.2217 %	99.2365 %	99.4873 %	100.0370 %	98.3562 %
Concentration per Run	0.0039 ppm	101.1704 %	98.7507 %	99.2613 %	98.9159 %	99.4023 %	98.1370 %
Concentration per Run	0.0041 ppm	101.6123 %	99.7913 %	99.0810 %	100.2659 %	100.5012 %	98.2423 %
Concentration per Run	0.0038 ppm	101.3637 %	99.1231 %	99.3673 %	99.2801 %	100.2076 %	98.6891 %
Concentration RSD	3.8 %	0.2 %	0.5 %	0.1 %	0.7 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-13 WG2112482

Analysis started at: 9/11/2025 8:33:17 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	0.0411 ppm	0.0012 ppm	0.0609 ppm	0.0194 ppm	0.0001 ppm	11.5673 ppm
Concentration per Run	-0.0007 ppm	0.0449 ppm	0.0006 ppm	0.0603 ppm	0.0194 ppm	0.0001 ppm	11.5551 ppm
Concentration per Run	-0.0005 ppm	0.0420 ppm	0.0009 ppm	0.0612 ppm	0.0195 ppm	0.0001 ppm	11.5748 ppm
Concentration per Run	-0.0006 ppm	0.0364 ppm	0.0020 ppm	0.0613 ppm	0.0194 ppm	0.0000 ppm	11.5719 ppm
Concentration RSD	12.7 %	10.5 %	62.4 %	0.8 %	0.5 %	102.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0715 ppm	2.8410 ppm	-0.0001 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0719 ppm	2.8986 ppm	0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	-0.0001 ppm	0.0003 ppm	0.0713 ppm	2.7961 ppm	-0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0712 ppm	2.8283 ppm	-0.0002 ppm
Concentration RSD	19.9 %	11.5 %	397.4 %	101.3 %	0.5 %	1.8 %	862.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.8720 ppm	0.0013 ppm	0.0000 ppm	30.2250 ppm	-0.0001 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run	1.8600 ppm	0.0014 ppm	0.0004 ppm	30.2349 ppm	0.0002 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run	1.8929 ppm	0.0012 ppm	-0.0005 ppm	29.8833 ppm	0.0000 ppm	-0.0014 ppm	-0.0017 ppm
Concentration per Run	1.8629 ppm	0.0014 ppm	0.0002 ppm	30.5569 ppm	-0.0006 ppm	0.0005 ppm	0.0010 ppm
Concentration RSD	1.0 %	9.4 %	1.848.8 %	1.1 %	398.7 %	239.2 %	926.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0012 ppm	3.2701 ppm	-0.0001 ppm	0.0710 ppm	0.0002 ppm	0.0018 ppm	-0.0002 ppm
Concentration per Run	-0.0003 ppm	3.2643 ppm	-0.0009 ppm	0.0713 ppm	0.0000 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	0.0006 ppm	3.2833 ppm	0.0004 ppm	0.0712 ppm	0.0002 ppm	0.0024 ppm	-0.0003 ppm
Concentration per Run	0.0032 ppm	3.2626 ppm	0.0002 ppm	0.0705 ppm	0.0005 ppm	0.0023 ppm	-0.0006 ppm
Concentration RSD	149.5 %	0.4 %	720.1 %	0.6 %	109.4 %	47.9 %	145.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0012 ppm	99.2501 %	97.7571 %	96.9994 %	97.9156 %	98.7756 %	97.0683 %
Concentration per Run	0.0012 ppm	99.4997 %	97.0804 %	96.3184 %	97.8694 %	98.8144 %	96.4314 %
Concentration per Run	0.0012 ppm	98.9751 %	98.4916 %	97.5541 %	97.9433 %	97.6873 %	97.7345 %
Concentration per Run	0.0012 ppm	99.2756 %	97.6994 %	97.1257 %	97.9342 %	99.8253 %	97.0391 %
Concentration RSD	1.4 %	0.3 %	0.7 %	0.6 %	0.0 %	1.1 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 8:35:24 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5136 ppm	0.4932 ppm	0.4904 ppm	0.4778 ppm	0.5017 ppm	0.5145 ppm	0.4989 ppm
Concentration per Run	0.5107 ppm	0.4965 ppm	0.4926 ppm	0.4718 ppm	0.5006 ppm	0.5137 ppm	0.4962 ppm
Concentration per Run	0.5144 ppm	0.4919 ppm	0.4912 ppm	0.4832 ppm	0.5025 ppm	0.5145 ppm	0.5014 ppm
Concentration per Run	0.5158 ppm	0.4913 ppm	0.4874 ppm	0.4785 ppm	0.5020 ppm	0.5153 ppm	0.4981 ppm
Recovery Percentage	102.729 %	98.642 %	98.080 %	95.566 %	100.338 %	102.897 %	99.716 %
Concentration RSD	0.5 %	0.6 %	0.6 %	1.2 %	0.2 %	0.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5169 ppm	0.5125 ppm	0.5164 ppm	0.5284 ppm	0.5063 ppm	5.2827 ppm	0.5119 ppm
Concentration per Run	0.5135 ppm	0.5104 ppm	0.5148 ppm	0.5262 ppm	0.5081 ppm	5.2738 ppm	0.5173 ppm
Concentration per Run	0.5189 ppm	0.5140 ppm	0.5182 ppm	0.5306 ppm	0.5030 ppm	5.2866 ppm	0.5127 ppm
Concentration per Run	0.5184 ppm	0.5130 ppm	0.5162 ppm	0.5285 ppm	0.5080 ppm	5.2875 ppm	0.5058 ppm
Recovery Percentage	103.385 %	102.497 %	103.280 %	105.686 %	101.268 %	105.653 %	102.383 %
Concentration RSD	0.6 %	0.4 %	0.3 %	0.4 %	0.6 %	0.1 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5322 ppm	0.5109 ppm	0.4881 ppm	10.2917 ppm	0.5191 ppm	0.5173 ppm	0.5144 ppm
Concentration per Run	0.5304 ppm	0.5114 ppm	0.4851 ppm	10.2743 ppm	0.5171 ppm	0.5152 ppm	0.5068 ppm
Concentration per Run	0.5298 ppm	0.5100 ppm	0.4912 ppm	10.2957 ppm	0.5208 ppm	0.5173 ppm	0.5184 ppm
Concentration per Run	0.5364 ppm	0.5112 ppm	0.4878 ppm	10.3052 ppm	0.5193 ppm	0.5194 ppm	0.5178 ppm
Recovery Percentage	106.444 %	102.170 %	97.613 %	102.917 %	103.811 %	103.464 %	102.872 %
Concentration RSD	0.7 %	0.1 %	0.6 %	0.2 %	0.4 %	0.4 %	1.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4849 ppm	5.5030 ppm	0.4992 ppm	0.5123 ppm	0.5183 ppm	0.4948 ppm	0.5229 ppm
Concentration per Run	0.4828 ppm	5.4738 ppm	0.4983 ppm	0.5115 ppm	0.5146 ppm	0.4918 ppm	0.5208 ppm
Concentration per Run	0.4842 ppm	5.5190 ppm	0.4988 ppm	0.5133 ppm	0.5212 ppm	0.4964 ppm	0.5243 ppm
Concentration per Run	0.4877 ppm	5.5160 ppm	0.5004 ppm	0.5122 ppm	0.5191 ppm	0.4961 ppm	0.5237 ppm
Recovery Percentage	96.980 %	104.818 %	99.834 %	102.467 %	103.654 %	98.954 %	104.586 %
Concentration RSD	0.5 %	0.5 %	0.2 %	0.2 %	0.7 %	0.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4899 ppm	96.6418 %	94.8847 %	95.0291 %	94.9052 %	96.0288 %	93.9997 %
Concentration per Run	0.4855 ppm	97.4244 %	94.8597 %	95.3651 %	95.7645 %	96.0158 %	94.0448 %
Concentration per Run	0.4925 ppm	96.6847 %	94.6589 %	94.9719 %	94.9045 %	96.0539 %	93.7826 %
Concentration per Run	0.4913 ppm	95.8162 %	95.1355 %	94.7501 %	94.0466 %	96.0166 %	94.1718 %
Recovery Percentage	97.979 %						
Concentration RSD	0.7 %	0.8 %	0.3 %	0.3 %	0.9 %	0.0 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 8:37:30 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0018 ppm	0.0005 ppm	-0.0003 ppm	-0.0002 ppm	0.0000 ppm	-0.0049 ppm
Concentration per Run	-0.0002 ppm	-0.0024 ppm	-0.0013 ppm	-0.0006 ppm	-0.0003 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run	-0.0001 ppm	-0.0041 ppm	0.0019 ppm	0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0033 ppm
Concentration per Run	-0.0004 ppm	0.0119 ppm	0.0008 ppm	-0.0018 ppm	-0.0001 ppm	0.0000 ppm	-0.0091 ppm
Recovery Percentage	-3.490 %	1.779 %	9.531 %	-0.942 %	-1.757 %	0.760 %	-4.884 %
Concentration RSD	65.0 %	492.6 %	342.8 %	622.0 %	62.5 %	84.8 %	74.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0029 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	-0.0003 ppm	-0.0004 ppm	0.0003 ppm	-0.0014 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0008 ppm	-0.0111 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0002 ppm	-0.0006 ppm	-0.0001 ppm	0.0039 ppm	0.0032 ppm
Recovery Percentage	0.742 %	0.150 %	-0.851 %	-3.142 %	0.699 %	-0.115 %	26.723 %
Concentration RSD	148.4 %	1,046.8 %	291.3 %	104.0 %	133.4 %	265.0 %	119.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0056 ppm	-0.0005 ppm	0.0001 ppm	-0.0018 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	0.0001 ppm	0.0045 ppm	-0.0008 ppm	0.0012 ppm	0.0005 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	-0.0002 ppm	0.0081 ppm	-0.0006 ppm	-0.0006 ppm	-0.0057 ppm
Concentration per Run	-0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0042 ppm	-0.0001 ppm	-0.0004 ppm	-0.0001 ppm
Recovery Percentage	-0.865 %	0.366 %	-0.070 %	0.279 %	-2.076 %	0.570 %	-3.538 %
Concentration RSD	121.1 %	383.7 %	416.6 %	39.1 %	77.8 %	1,722.3 %	192.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	-0.0020 ppm	0.0016 ppm	0.0000 ppm	-0.0010 ppm	0.0010 ppm	-0.0003 ppm
Concentration per Run	-0.0010 ppm	-0.0009 ppm	0.0025 ppm	0.0000 ppm	-0.0009 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0046 ppm	0.0016 ppm	0.0000 ppm	-0.0013 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run	0.0020 ppm	-0.0004 ppm	0.0009 ppm	-0.0001 ppm	-0.0008 ppm	0.0008 ppm	-0.0004 ppm
Recovery Percentage	3.464 %	-0.394 %	3.299 %	-0.430 %	-9.655 %	5.192 %	-3.034 %
Concentration RSD	430.5 %	115.9 %	47.1 %	206.6 %	27.9 %	26.2 %	42.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	96.8950 %	95.0762 %	95.8010 %	97.5320 %	98.1366 %	96.2534 %
Concentration per Run	-0.0001 ppm	97.2867 %	95.4855 %	95.4927 %	97.9161 %	96.6988 %	96.0593 %
Concentration per Run	0.0002 ppm	96.6646 %	94.2739 %	96.0951 %	96.9968 %	98.4658 %	96.3921 %
Concentration per Run	0.0001 ppm	96.7336 %	95.4691 %	95.8151 %	97.6831 %	99.2452 %	96.3088 %
Recovery Percentage	1.396 %						
Concentration RSD	171.8 %	0.4 %	0.7 %	0.3 %	0.5 %	1.3 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-14 WG2112482

Analysis started at: 9/11/2025 8:51:12 PM

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Rack Number 3

Vial Numbers 11

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.2684 ppm	0.0009 ppm	0.0232 ppm	0.0925 ppm	0.0000 ppm	23.7452 ppm
Concentration per Run	-0.0004 ppm	0.2669 ppm	-0.0001 ppm	0.0242 ppm	0.0925 ppm	0.0000 ppm	23.7366 ppm
Concentration per Run	-0.0010 ppm	0.2654 ppm	0.0013 ppm	0.0232 ppm	0.0922 ppm	0.0000 ppm	23.7301 ppm
Concentration per Run	-0.0003 ppm	0.2669 ppm	0.0017 ppm	0.0222 ppm	0.0927 ppm	0.0000 ppm	23.7687 ppm
Concentration RSD	68.5 %	0.3 %	102.9 %	4.1 %	0.3 %	70.0 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0011 ppm	0.0038 ppm	0.0029 ppm	1.0388 ppm	3.4397 ppm	0.0022 ppm
Concentration per Run	-0.0002 ppm	0.0009 ppm	0.0040 ppm	0.0030 ppm	1.0433 ppm	3.4289 ppm	0.0023 ppm
Concentration per Run	-0.0002 ppm	0.0010 ppm	0.0035 ppm	0.0028 ppm	1.0352 ppm	3.4392 ppm	0.0021 ppm
Concentration per Run	-0.0002 ppm	0.0013 ppm	0.0040 ppm	0.0028 ppm	1.0380 ppm	3.4511 ppm	0.0023 ppm
Concentration RSD	4.1 %	18.3 %	8.3 %	4.0 %	0.4 %	0.3 %	5.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.4067 ppm	0.0286 ppm	0.0000 ppm	61.2261 ppm	0.0007 ppm	0.0018 ppm	0.0012 ppm
Concentration per Run	5.4399 ppm	0.0285 ppm	0.0002 ppm	60.7998 ppm	0.0007 ppm	0.0014 ppm	0.0019 ppm
Concentration per Run	5.4448 ppm	0.0286 ppm	-0.0002 ppm	61.3465 ppm	0.0010 ppm	0.0024 ppm	0.0001 ppm
Concentration per Run	5.3354 ppm	0.0287 ppm	0.0001 ppm	61.5322 ppm	0.0004 ppm	0.0014 ppm	0.0016 ppm
Concentration RSD	1.1 %	0.3 %	589.7 %	0.6 %	43.1 %	34.0 %	82.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	3.6607 ppm	0.0010 ppm	0.1738 ppm	0.0102 ppm	0.0010 ppm	0.0008 ppm
Concentration per Run	0.0040 ppm	3.6673 ppm	0.0016 ppm	0.1735 ppm	0.0103 ppm	0.0012 ppm	0.0011 ppm
Concentration per Run	0.0015 ppm	3.6865 ppm	0.0004 ppm	0.1736 ppm	0.0105 ppm	0.0012 ppm	0.0006 ppm
Concentration per Run	0.0049 ppm	3.6284 ppm	0.0009 ppm	0.1743 ppm	0.0099 ppm	0.0005 ppm	0.0008 ppm
Concentration RSD	52.0 %	0.8 %	62.8 %	0.3 %	3.0 %	40.8 %	25.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0047 ppm	99.6506 %	99.4269 %	96.1760 %	98.0115 %	101.5780 %	96.9800 %
Concentration per Run	0.0049 ppm	99.0718 %	99.3872 %	96.2197 %	97.1873 %	100.4104 %	97.2142 %
Concentration per Run	0.0047 ppm	99.7655 %	99.7213 %	96.2996 %	98.0638 %	102.7173 %	97.2125 %
Concentration per Run	0.0045 ppm	100.1145 %	99.1722 %	96.0086 %	98.7835 %	101.6063 %	96.5132 %
Concentration RSD	4.2 %	0.5 %	0.3 %	0.2 %	0.8 %	1.1 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-15 WG2112482

Analysis started at: 9/11/2025 8:53:28 PM

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Rack Number: 3

Vial Numbers: 12

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0207 ppm	0.0034 ppm	0.0385 ppm	0.0171 ppm	0.0000 ppm	6.6677 ppm
Concentration per Run	-0.0005 ppm	0.0287 ppm	0.0040 ppm	0.0387 ppm	0.0172 ppm	0.0000 ppm	6.6712 ppm
Concentration per Run	-0.0002 ppm	0.0234 ppm	0.0023 ppm	0.0382 ppm	0.0172 ppm	0.0001 ppm	6.6624 ppm
Concentration per Run	-0.0002 ppm	0.0098 ppm	0.0040 ppm	0.0385 ppm	0.0169 ppm	0.0000 ppm	6.6695 ppm
Concentration RSD	57.3 %	47.1 %	28.2 %	0.7 %	1.0 %	194.5 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0332 ppm	44.4678 ppm	0.0433 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0028 ppm	0.0009 ppm	0.0336 ppm	44.3435 ppm	0.0437 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0029 ppm	0.0012 ppm	0.0329 ppm	44.4205 ppm	0.0432 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0024 ppm	0.0012 ppm	0.0332 ppm	44.6393 ppm	0.0430 ppm
Concentration RSD	122.9 %	193.7 %	8.9 %	14.5 %	1.0 %	0.3 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.7764 ppm	0.0024 ppm	0.0073 ppm	73.5017 ppm	0.0009 ppm	0.0018 ppm	0.0029 ppm
Concentration per Run	2.8060 ppm	0.0024 ppm	0.0073 ppm	72.8571 ppm	0.0003 ppm	0.0024 ppm	0.0042 ppm
Concentration per Run	2.7563 ppm	0.0024 ppm	0.0075 ppm	74.0641 ppm	0.0018 ppm	0.0003 ppm	0.0015 ppm
Concentration per Run	2.7668 ppm	0.0024 ppm	0.0070 ppm	73.5839 ppm	0.0005 ppm	0.0026 ppm	0.0029 ppm
Concentration RSD	0.9 %	0.8 %	3.4 %	0.8 %	94.5 %	70.6 %	47.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	10.1479 ppm	0.0006 ppm	0.3753 ppm	0.0006 ppm	0.0001 ppm	0.0021 ppm
Concentration per Run	-0.0003 ppm	10.1713 ppm	-0.0001 ppm	0.3748 ppm	0.0006 ppm	0.0007 ppm	0.0021 ppm
Concentration per Run	-0.0020 ppm	10.1225 ppm	-0.0007 ppm	0.3745 ppm	0.0007 ppm	0.0004 ppm	0.0021 ppm
Concentration per Run	0.0022 ppm	10.1498 ppm	0.0026 ppm	0.3766 ppm	0.0005 ppm	-0.0008 ppm	0.0022 ppm
Concentration RSD	5.676.2 %	0.2 %	290.9 %	0.3 %	16.1 %	1,299.6 %	2.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0041 ppm	98.7143 %	98.3582 %	95.2379 %	96.1637 %	98.3845 %	95.6799 %
Concentration per Run	0.0042 ppm	97.9792 %	98.5576 %	95.0738 %	95.6906 %	97.4216 %	95.5208 %
Concentration per Run	0.0039 ppm	99.2085 %	98.2579 %	95.4425 %	96.2306 %	99.5856 %	95.6761 %
Concentration per Run	0.0042 ppm	98.9553 %	98.2592 %	95.1974 %	96.5699 %	98.1464 %	95.8427 %
Concentration RSD	3.4 %	0.7 %	0.2 %	0.2 %	0.5 %	1.1 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556190-16 WG2112482

Analysis started at: 9/11/2025 8:55:35 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 13

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	0.0111 ppm	0.0003 ppm	0.0121 ppm	0.0342 ppm	0.0000 ppm	29.2535 ppm
Concentration per Run	-0.0010 ppm	0.0149 ppm	0.0007 ppm	0.0130 ppm	0.0344 ppm	0.0000 ppm	29.2155 ppm
Concentration per Run	-0.0006 ppm	0.0170 ppm	-0.0013 ppm	0.0120 ppm	0.0341 ppm	0.0000 ppm	29.2170 ppm
Concentration per Run	-0.0009 ppm	0.0015 ppm	0.0015 ppm	0.0112 ppm	0.0341 ppm	0.0000 ppm	29.3280 ppm
Concentration RSD	22.8 %	75.6 %	465.6 %	7.2 %	0.5 %	255.8 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0963 ppm	0.0034 ppm	0.0146 ppm	3.2283 ppm	0.0044 ppm
Concentration per Run	-0.0003 ppm	0.0004 ppm	0.0965 ppm	0.0036 ppm	0.0147 ppm	3.2637 ppm	0.0043 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0958 ppm	0.0035 ppm	0.0145 ppm	3.1924 ppm	0.0042 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	0.0965 ppm	0.0030 ppm	0.0147 ppm	3.2288 ppm	0.0047 ppm
Concentration RSD	12.0 %	61.6 %	0.4 %	8.9 %	0.9 %	1.1 %	5.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.9943 ppm	0.0008 ppm	0.0189 ppm	31.2305 ppm	0.0029 ppm	0.0015 ppm	-0.0013 ppm
Concentration per Run	1.9750 ppm	0.0011 ppm	0.0186 ppm	31.2683 ppm	0.0025 ppm	0.0023 ppm	-0.0020 ppm
Concentration per Run	1.9985 ppm	0.0006 ppm	0.0188 ppm	31.3420 ppm	0.0032 ppm	0.0011 ppm	-0.0017 ppm
Concentration per Run	2.0093 ppm	0.0009 ppm	0.0192 ppm	31.0811 ppm	0.0031 ppm	0.0012 ppm	-0.0002 ppm
Concentration RSD	0.9 %	28.8 %	1.8 %	0.4 %	12.0 %	43.8 %	71.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0023 ppm	4.0194 ppm	-0.0002 ppm	0.4276 ppm	-0.0005 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0037 ppm	4.0040 ppm	-0.0004 ppm	0.4290 ppm	-0.0003 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0012 ppm	4.0093 ppm	-0.0001 ppm	0.4266 ppm	-0.0004 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	4.0449 ppm	-0.0001 ppm	0.4271 ppm	-0.0008 ppm	0.0008 ppm	0.0001 ppm
Concentration RSD	55.5 %	0.6 %	83.4 %	0.3 %	48.6 %	24.4 %	1,133.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0037 ppm	100.0860 %	98.8652 %	97.2053 %	98.7322 %	99.3094 %	96.6314 %
Concentration per Run	0.0036 ppm	99.5426 %	99.3056 %	97.3688 %	98.1523 %	100.0545 %	96.8027 %
Concentration per Run	0.0040 ppm	100.9997 %	98.5214 %	96.8851 %	99.6792 %	99.5626 %	96.1312 %
Concentration per Run	0.0035 ppm	99.7157 %	98.7685 %	97.3620 %	98.3652 %	98.3111 %	96.9603 %
Concentration RSD	6.4 %	0.8 %	0.4 %	0.3 %	0.8 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-01d2 WG2111959

Analysis started at: 9/11/2025 8:58:49 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 18

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	100.2240 ppm	0.0445 ppm	0.0057 ppm	0.4417 ppm	0.0035 ppm	9.9534 ppm
Concentration per Run	-0.0005 ppm	99.9651 ppm	0.0429 ppm	0.0047 ppm	0.4404 ppm	0.0035 ppm	9.9292 ppm
Concentration per Run	-0.0008 ppm	100.3961 ppm	0.0456 ppm	0.0062 ppm	0.4419 ppm	0.0035 ppm	9.9740 ppm
Concentration per Run	0.0000 ppm	100.3107 ppm	0.0451 ppm	0.0061 ppm	0.4429 ppm	0.0035 ppm	9.9569 ppm
Concentration RSD	87.2 %	0.2 %	3.3 %	14.0 %	0.3 %	1.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0024 ppm	0.0514 ppm	0.0924 ppm	0.1162 ppm	131.8148 ppm	5.9220 ppm	0.0948 ppm
Concentration per Run	0.0024 ppm	0.0515 ppm	0.0924 ppm	0.1162 ppm	131.5517 ppm	5.9048 ppm	0.0963 ppm
Concentration per Run	0.0020 ppm	0.0499 ppm	0.0926 ppm	0.1165 ppm	132.0249 ppm	5.9247 ppm	0.0948 ppm
Concentration per Run	0.0027 ppm	0.0527 ppm	0.0922 ppm	0.1158 ppm	131.8680 ppm	5.9366 ppm	0.0933 ppm
Concentration RSD	14.6 %	2.7 %	0.2 %	0.3 %	0.2 %	0.3 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	28.4405 ppm	2.1576 ppm	0.0045 ppm	1.9373 ppm	0.1034 ppm	0.3731 ppm	-0.0008 ppm
Concentration per Run	28.1813 ppm	2.1573 ppm	0.0048 ppm	1.9298 ppm	0.1024 ppm	0.3714 ppm	-0.0044 ppm
Concentration per Run	28.9552 ppm	2.1483 ppm	0.0043 ppm	1.9342 ppm	0.1033 ppm	0.3727 ppm	0.0037 ppm
Concentration per Run	28.1850 ppm	2.1672 ppm	0.0044 ppm	1.9481 ppm	0.1045 ppm	0.3751 ppm	-0.0017 ppm
Concentration RSD	1.6 %	0.4 %	5.9 %	0.5 %	1.0 %	0.5 %	535.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0051 ppm	7.6496 ppm	0.0198 ppm	0.0579 ppm	5.9868 ppm	0.0010 ppm	0.1932 ppm
Concentration per Run	0.0030 ppm	7.6895 ppm	0.0201 ppm	0.0579 ppm	5.9400 ppm	0.0014 ppm	0.1923 ppm
Concentration per Run	0.0060 ppm	7.7032 ppm	0.0209 ppm	0.0579 ppm	6.0688 ppm	0.0013 ppm	0.1940 ppm
Concentration per Run	0.0063 ppm	7.5561 ppm	0.0183 ppm	0.0580 ppm	5.9516 ppm	0.0003 ppm	0.1933 ppm
Concentration RSD	35.3 %	1.1 %	6.5 %	0.1 %	1.2 %	58.8 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5773 ppm	100.1379 %	100.8074 %	95.2293 %	108.2407 %	113.2382 %	109.1241 %
Concentration per Run	0.5747 ppm	100.8896 %	100.9918 %	95.7061 %	108.7348 %	114.1840 %	109.6867 %
Concentration per Run	0.5750 ppm	99.1753 %	100.8728 %	94.9030 %	107.7169 %	112.3348 %	108.6549 %
Concentration per Run	0.5822 ppm	100.3488 %	100.5577 %	95.0789 %	108.2703 %	113.1348 %	109.0306 %
Concentration RSD	0.7 %	0.9 %	0.2 %	0.4 %	0.5 %	0.8 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-02d2 WG2111959

Analysis started at: 9/11/2025 9:00:56 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 19

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0027 ppm	95.3541 ppm	0.1143 ppm	0.0131 ppm	0.9202 ppm	0.0043 ppm	16.0494 ppm
Concentration per Run	0.0026 ppm	95.2656 ppm	0.1139 ppm	0.0127 ppm	0.9200 ppm	0.0043 ppm	16.0204 ppm
Concentration per Run	0.0030 ppm	95.5065 ppm	0.1140 ppm	0.0122 ppm	0.9174 ppm	0.0043 ppm	16.0778 ppm
Concentration per Run	0.0025 ppm	95.2901 ppm	0.1150 ppm	0.0145 ppm	0.9233 ppm	0.0044 ppm	16.0500 ppm
Concentration RSD	10.6 %	0.1 %	0.5 %	9.4 %	0.3 %	1.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0110 ppm	0.0501 ppm	0.1371 ppm	0.6304 ppm	150.8653 ppm	4.2833 ppm	0.1106 ppm
Concentration per Run	0.0110 ppm	0.0502 ppm	0.1366 ppm	0.6280 ppm	150.5718 ppm	4.2937 ppm	0.1100 ppm
Concentration per Run	0.0110 ppm	0.0505 ppm	0.1375 ppm	0.6332 ppm	151.3111 ppm	4.2645 ppm	0.1118 ppm
Concentration per Run	0.0109 ppm	0.0498 ppm	0.1372 ppm	0.6299 ppm	150.7130 ppm	4.2918 ppm	0.1099 ppm
Concentration RSD	0.6 %	0.7 %	0.4 %	0.4 %	0.3 %	0.4 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.7497 ppm	4.6318 ppm	0.0075 ppm	1.5876 ppm	0.1334 ppm	4.4739 ppm	0.0004 ppm
Concentration per Run	20.6671 ppm	4.6363 ppm	0.0074 ppm	1.5956 ppm	0.1324 ppm	4.4747 ppm	-0.0023 ppm
Concentration per Run	20.7677 ppm	4.6289 ppm	0.0077 ppm	1.5610 ppm	0.1343 ppm	4.4617 ppm	0.0033 ppm
Concentration per Run	20.8143 ppm	4.6301 ppm	0.0075 ppm	1.6062 ppm	0.1336 ppm	4.4851 ppm	0.0002 ppm
Concentration RSD	0.4 %	0.1 %	1.8 %	1.5 %	0.7 %	0.3 %	685.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0123 ppm	6.5120 ppm	0.1357 ppm	0.1287 ppm	4.3550 ppm	0.0018 ppm	0.2199 ppm
Concentration per Run	0.0095 ppm	6.5638 ppm	0.1346 ppm	0.1288 ppm	4.3436 ppm	0.0009 ppm	0.2190 ppm
Concentration per Run	0.0143 ppm	6.5165 ppm	0.1352 ppm	0.1285 ppm	4.3450 ppm	0.0021 ppm	0.2200 ppm
Concentration per Run	0.0131 ppm	6.4555 ppm	0.1374 ppm	0.1289 ppm	4.3762 ppm	0.0025 ppm	0.2207 ppm
Concentration RSD	20.0 %	0.8 %	1.1 %	0.2 %	0.4 %	47.0 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.6709 ppm	98.6919 %	99.3517 %	93.4404 %	107.1158 %	111.2084 %	107.6873 %
Concentration per Run	1.6612 ppm	98.6546 %	99.3869 %	93.9212 %	107.1491 %	112.7409 %	108.5556 %
Concentration per Run	1.6755 ppm	98.2892 %	99.3671 %	93.7094 %	106.8219 %	108.3091 %	107.6266 %
Concentration per Run	1.6761 ppm	99.1317 %	99.3010 %	92.6906 %	107.3765 %	112.5751 %	106.8796 %
Concentration RSD	0.5 %	0.4 %	0.0 %	0.7 %	0.3 %	2.3 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-03d2 WG2111959

Analysis started at: 9/11/2025 9:03:02 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 20

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0006 ppm	116.1329 ppm	0.0409 ppm	0.0051 ppm	0.3794 ppm	0.0035 ppm	11.2634 ppm
Concentration per Run	0.0002 ppm	116.3394 ppm	0.0395 ppm	0.0047 ppm	0.3788 ppm	0.0035 ppm	11.2746 ppm
Concentration per Run	0.0009 ppm	115.9479 ppm	0.0417 ppm	0.0052 ppm	0.3782 ppm	0.0036 ppm	11.2508 ppm
Concentration per Run	0.0006 ppm	116.1116 ppm	0.0416 ppm	0.0055 ppm	0.3811 ppm	0.0035 ppm	11.2647 ppm
Concentration RSD	66.8 %	0.2 %	3.1 %	7.6 %	0.4 %	1.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0020 ppm	0.0841 ppm	0.3223 ppm	0.1778 ppm	170.5710 ppm	3.0943 ppm	0.1241 ppm
Concentration per Run	0.0019 ppm	0.0840 ppm	0.3225 ppm	0.1782 ppm	170.0967 ppm	3.1026 ppm	0.1249 ppm
Concentration per Run	0.0020 ppm	0.0836 ppm	0.3205 ppm	0.1773 ppm	170.3171 ppm	3.0682 ppm	0.1220 ppm
Concentration per Run	0.0020 ppm	0.0846 ppm	0.3238 ppm	0.1779 ppm	171.2991 ppm	3.1122 ppm	0.1253 ppm
Concentration RSD	2.7 %	0.6 %	0.5 %	0.3 %	0.4 %	0.7 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	57.7590 ppm	4.1041 ppm	0.0037 ppm	0.6120 ppm	0.2648 ppm	0.5061 ppm	-0.0013 ppm
Concentration per Run	58.1734 ppm	4.1186 ppm	0.0037 ppm	0.6109 ppm	0.2655 ppm	0.5074 ppm	0.0001 ppm
Concentration per Run	57.1164 ppm	4.0956 ppm	0.0036 ppm	0.6105 ppm	0.2635 ppm	0.5081 ppm	-0.0036 ppm
Concentration per Run	57.9870 ppm	4.0981 ppm	0.0038 ppm	0.6145 ppm	0.2654 ppm	0.5027 ppm	-0.0005 ppm
Concentration RSD	1.0 %	0.3 %	2.7 %	0.4 %	0.4 %	0.6 %	149.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	5.8473 ppm	0.0278 ppm	0.0516 ppm	5.9279 ppm	0.0007 ppm	0.2802 ppm
Concentration per Run	0.0032 ppm	5.9277 ppm	0.0276 ppm	0.0518 ppm	5.9704 ppm	0.0014 ppm	0.2806 ppm
Concentration per Run	0.0031 ppm	5.8113 ppm	0.0289 ppm	0.0513 ppm	5.8512 ppm	-0.0005 ppm	0.2792 ppm
Concentration per Run	0.0003 ppm	5.8028 ppm	0.0270 ppm	0.0517 ppm	5.9619 ppm	0.0011 ppm	0.2808 ppm
Concentration RSD	73.0 %	1.2 %	3.4 %	0.5 %	1.1 %	154.1 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.8151 ppm	100.6202 %	101.0396 %	94.5490 %	109.6301 %	114.4437 %	109.6261 %
Concentration per Run	0.8166 ppm	100.1540 %	101.4321 %	94.0842 %	109.4013 %	116.9236 %	109.1035 %
Concentration per Run	0.8109 ppm	101.1035 %	100.4804 %	94.3917 %	109.8165 %	112.9264 %	109.8532 %
Concentration per Run	0.8177 ppm	100.6031 %	101.2062 %	95.1710 %	109.6724 %	113.4812 %	109.9216 %
Concentration RSD	0.4 %	0.5 %	0.5 %	0.6 %	0.2 %	1.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-04d2 WG2111959

Analysis started at: 9/11/2025 9:05:08 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 21

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	63.9898 ppm	0.0280 ppm	0.0033 ppm	0.1404 ppm	0.0022 ppm	6.9415 ppm
Concentration per Run	-0.0005 ppm	63.9649 ppm	0.0283 ppm	0.0031 ppm	0.1407 ppm	0.0022 ppm	6.9528 ppm
Concentration per Run	-0.0008 ppm	64.0822 ppm	0.0276 ppm	0.0044 ppm	0.1411 ppm	0.0022 ppm	6.9381 ppm
Concentration per Run	-0.0006 ppm	63.9223 ppm	0.0280 ppm	0.0024 ppm	0.1394 ppm	0.0022 ppm	6.9338 ppm
Concentration RSD	24.0 %	0.1 %	1.2 %	31.6 %	0.6 %	0.5 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0423 ppm	0.0649 ppm	0.0766 ppm	88.9460 ppm	2.7000 ppm	0.0578 ppm
Concentration per Run	0.0003 ppm	0.0425 ppm	0.0653 ppm	0.0763 ppm	88.7136 ppm	2.6859 ppm	0.0578 ppm
Concentration per Run	0.0003 ppm	0.0417 ppm	0.0648 ppm	0.0763 ppm	89.1689 ppm	2.7092 ppm	0.0583 ppm
Concentration per Run	0.0005 ppm	0.0427 ppm	0.0647 ppm	0.0771 ppm	88.9555 ppm	2.7049 ppm	0.0572 ppm
Concentration RSD	21.2 %	1.2 %	0.5 %	0.6 %	0.3 %	0.5 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.5949 ppm	2.1861 ppm	0.0036 ppm	0.4880 ppm	0.0623 ppm	0.1224 ppm	-0.0027 ppm
Concentration per Run	19.4013 ppm	2.1850 ppm	0.0036 ppm	0.4873 ppm	0.0616 ppm	0.1222 ppm	-0.0036 ppm
Concentration per Run	19.7473 ppm	2.1905 ppm	0.0035 ppm	0.4905 ppm	0.0626 ppm	0.1232 ppm	0.0029 ppm
Concentration per Run	19.6362 ppm	2.1827 ppm	0.0037 ppm	0.4863 ppm	0.0629 ppm	0.1216 ppm	-0.0075 ppm
Concentration RSD	0.9 %	0.2 %	2.5 %	0.4 %	1.1 %	0.7 %	190.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	6.9689 ppm	0.0082 ppm	0.0313 ppm	3.5984 ppm	0.0006 ppm	0.1224 ppm
Concentration per Run	0.0022 ppm	7.0149 ppm	0.0085 ppm	0.0315 ppm	3.5542 ppm	0.0010 ppm	0.1221 ppm
Concentration per Run	0.0050 ppm	6.9790 ppm	0.0083 ppm	0.0314 ppm	3.6314 ppm	0.0012 ppm	0.1228 ppm
Concentration per Run	-0.0023 ppm	6.9129 ppm	0.0078 ppm	0.0309 ppm	3.6097 ppm	-0.0004 ppm	0.1223 ppm
Concentration RSD	226.8 %	0.7 %	4.1 %	0.9 %	1.1 %	150.6 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2272 ppm	100.0033 %	99.2849 %	95.4970 %	107.1264 %	110.3375 %	106.8203 %
Concentration per Run	0.2263 ppm	99.8282 %	100.0572 %	95.1564 %	106.6372 %	111.5694 %	106.2481 %
Concentration per Run	0.2272 ppm	99.5720 %	99.7375 %	95.3634 %	106.7833 %	110.1720 %	106.6220 %
Concentration per Run	0.2283 ppm	100.6097 %	99.0599 %	95.9713 %	107.9588 %	109.2710 %	107.5909 %
Concentration RSD	0.4 %	0.5 %	0.7 %	0.4 %	0.7 %	1.0 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-05d2 WG2111959

Analysis started at: 9/11/2025 9:07:14 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 22

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	96.8375 ppm	0.0426 ppm	0.0055 ppm	0.4295 ppm	0.0033 ppm	12.4693 ppm
Concentration per Run	0.0008 ppm	96.7828 ppm	0.0424 ppm	0.0061 ppm	0.4287 ppm	0.0033 ppm	12.4734 ppm
Concentration per Run	-0.0004 ppm	96.8408 ppm	0.0421 ppm	0.0057 ppm	0.4299 ppm	0.0034 ppm	12.4648 ppm
Concentration per Run	-0.0003 ppm	96.8890 ppm	0.0432 ppm	0.0047 ppm	0.4300 ppm	0.0034 ppm	12.4698 ppm
Concentration RSD	1.021.1 %	0.1 %	1.2 %	12.9 %	0.2 %	1.5 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0015 ppm	0.0566 ppm	0.0976 ppm	0.1549 ppm	134.6169 ppm	3.7479 ppm	0.0870 ppm
Concentration per Run	0.0016 ppm	0.0565 ppm	0.0974 ppm	0.1548 ppm	134.6922 ppm	3.7559 ppm	0.0873 ppm
Concentration per Run	0.0014 ppm	0.0566 ppm	0.0969 ppm	0.1545 ppm	135.3637 ppm	3.7540 ppm	0.0863 ppm
Concentration per Run	0.0016 ppm	0.0569 ppm	0.0985 ppm	0.1555 ppm	133.7948 ppm	3.7338 ppm	0.0873 ppm
Concentration RSD	6.2 %	0.4 %	0.9 %	0.3 %	0.6 %	0.3 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	33.3188 ppm	2.5255 ppm	0.0039 ppm	0.6140 ppm	0.1059 ppm	0.5714 ppm	0.0026 ppm
Concentration per Run	33.2673 ppm	2.5226 ppm	0.0040 ppm	0.6151 ppm	0.1057 ppm	0.5702 ppm	0.0067 ppm
Concentration per Run	33.3984 ppm	2.5239 ppm	0.0031 ppm	0.6108 ppm	0.1073 ppm	0.5701 ppm	0.0001 ppm
Concentration per Run	33.2907 ppm	2.5299 ppm	0.0045 ppm	0.6160 ppm	0.1046 ppm	0.5739 ppm	0.0008 ppm
Concentration RSD	0.2 %	0.2 %	19.0 %	0.5 %	1.3 %	0.4 %	141.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	7.5446 ppm	0.0195 ppm	0.0601 ppm	5.3074 ppm	0.0004 ppm	0.1821 ppm
Concentration per Run	0.0063 ppm	7.6192 ppm	0.0193 ppm	0.0601 ppm	5.2878 ppm	0.0003 ppm	0.1813 ppm
Concentration per Run	0.0059 ppm	7.5569 ppm	0.0203 ppm	0.0603 ppm	5.3345 ppm	0.0007 ppm	0.1824 ppm
Concentration per Run	0.0011 ppm	7.4577 ppm	0.0189 ppm	0.0599 ppm	5.2999 ppm	0.0001 ppm	0.1827 ppm
Concentration RSD	66.1 %	1.1 %	3.6 %	0.3 %	0.5 %	86.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6708 ppm	98.5585 %	98.5963 %	93.7100 %	107.7033 %	112.3875 %	107.7716 %
Concentration per Run	0.6700 ppm	99.0560 %	98.6880 %	93.6592 %	108.1925 %	111.7488 %	107.6243 %
Concentration per Run	0.6710 ppm	98.3896 %	98.2909 %	94.0392 %	107.6067 %	111.7276 %	108.1654 %
Concentration per Run	0.6714 ppm	98.2299 %	98.8100 %	93.4317 %	107.3106 %	113.6860 %	107.5252 %
Concentration RSD	0.1 %	0.4 %	0.3 %	0.3 %	0.4 %	1.0 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-06d2 WG2111959

Analysis started at: 9/11/2025 9:09:20 PM

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Rack Number: 3

Vial Numbers: 23

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	64.5248 ppm	0.0322 ppm	0.0023 ppm	0.1926 ppm	0.0021 ppm	9.7239 ppm
Concentration per Run	-0.0006 ppm	64.3580 ppm	0.0287 ppm	0.0028 ppm	0.1929 ppm	0.0021 ppm	9.7239 ppm
Concentration per Run	0.0003 ppm	64.6015 ppm	0.0322 ppm	0.0017 ppm	0.1919 ppm	0.0020 ppm	9.7322 ppm
Concentration per Run	-0.0002 ppm	64.6148 ppm	0.0357 ppm	0.0025 ppm	0.1929 ppm	0.0021 ppm	9.7155 ppm
Concentration RSD	276.9 %	0.2 %	10.8 %	25.8 %	0.3 %	0.9 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.0441 ppm	0.0485 ppm	0.1139 ppm	92.5812 ppm	2.6623 ppm	0.0805 ppm
Concentration per Run	0.0010 ppm	0.0437 ppm	0.0483 ppm	0.1137 ppm	92.6932 ppm	2.6874 ppm	0.0823 ppm
Concentration per Run	0.0010 ppm	0.0443 ppm	0.0484 ppm	0.1138 ppm	92.8494 ppm	2.6629 ppm	0.0791 ppm
Concentration per Run	0.0010 ppm	0.0444 ppm	0.0487 ppm	0.1143 ppm	92.2010 ppm	2.6366 ppm	0.0800 ppm
Concentration RSD	1.1 %	0.9 %	0.4 %	0.3 %	0.4 %	1.0 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	26.3834 ppm	2.1961 ppm	0.0027 ppm	0.4463 ppm	0.0630 ppm	0.4076 ppm	-0.0012 ppm
Concentration per Run	26.4357 ppm	2.1865 ppm	0.0030 ppm	0.4459 ppm	0.0633 ppm	0.4079 ppm	-0.0013 ppm
Concentration per Run	26.3532 ppm	2.1995 ppm	0.0027 ppm	0.4496 ppm	0.0625 ppm	0.4065 ppm	-0.0030 ppm
Concentration per Run	26.3615 ppm	2.2023 ppm	0.0023 ppm	0.4433 ppm	0.0634 ppm	0.4084 ppm	0.0006 ppm
Concentration RSD	0.2 %	0.4 %	11.6 %	0.7 %	0.7 %	0.2 %	145.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0032 ppm	5.1384 ppm	0.0137 ppm	0.0346 ppm	3.4019 ppm	0.0007 ppm	0.1309 ppm
Concentration per Run	0.0002 ppm	5.1843 ppm	0.0141 ppm	0.0348 ppm	3.4067 ppm	0.0005 ppm	0.1310 ppm
Concentration per Run	0.0048 ppm	5.1222 ppm	0.0131 ppm	0.0343 ppm	3.3938 ppm	0.0007 ppm	0.1304 ppm
Concentration per Run	0.0045 ppm	5.1087 ppm	0.0141 ppm	0.0348 ppm	3.4051 ppm	0.0008 ppm	0.1313 ppm
Concentration RSD	82.4 %	0.8 %	4.2 %	0.7 %	0.2 %	18.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5493 ppm	98.5553 %	97.9209 %	93.5377 %	103.8605 %	106.7832 %	102.9525 %
Concentration per Run	0.5493 ppm	98.7316 %	97.6146 %	94.1600 %	103.9662 %	106.8219 %	103.7593 %
Concentration per Run	0.5480 ppm	98.6424 %	97.6896 %	93.1568 %	103.9438 %	105.4091 %	102.7880 %
Concentration per Run	0.5506 ppm	98.2919 %	98.4585 %	93.2962 %	103.6714 %	108.1186 %	102.3100 %
Concentration RSD	0.2 %	0.2 %	0.5 %	0.6 %	0.2 %	1.3 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555909-07d2 WG2111959

Analysis started at: 9/11/2025 9:11:26 PM

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Rack Number: 3

Vial Numbers: 24

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	74.8755 ppm	0.0321 ppm	0.0026 ppm	0.2081 ppm	0.0027 ppm	10.0033 ppm
Concentration per Run	-0.0001 ppm	74.9541 ppm	0.0323 ppm	0.0028 ppm	0.2080 ppm	0.0027 ppm	10.0124 ppm
Concentration per Run	0.0001 ppm	75.0900 ppm	0.0319 ppm	0.0026 ppm	0.2081 ppm	0.0026 ppm	10.0249 ppm
Concentration per Run	-0.0001 ppm	74.5824 ppm	0.0322 ppm	0.0024 ppm	0.2083 ppm	0.0028 ppm	9.9725 ppm
Concentration RSD	518.3 %	0.4 %	0.7 %	8.3 %	0.1 %	3.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0509 ppm	0.1072 ppm	0.1577 ppm	106.9234 ppm	5.2762 ppm	0.0881 ppm
Concentration per Run	0.0007 ppm	0.0505 ppm	0.1070 ppm	0.1568 ppm	107.5166 ppm	5.2738 ppm	0.0900 ppm
Concentration per Run	0.0009 ppm	0.0509 ppm	0.1072 ppm	0.1573 ppm	107.0662 ppm	5.2701 ppm	0.0891 ppm
Concentration per Run	0.0008 ppm	0.0513 ppm	0.1075 ppm	0.1590 ppm	106.1873 ppm	5.2847 ppm	0.0852 ppm
Concentration RSD	7.0 %	0.8 %	0.3 %	0.7 %	0.6 %	0.1 %	2.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	32.1469 ppm	2.2800 ppm	0.0033 ppm	0.4955 ppm	0.1055 ppm	0.1919 ppm	-0.0005 ppm
Concentration per Run	31.9304 ppm	2.2793 ppm	0.0032 ppm	0.4957 ppm	0.1046 ppm	0.1914 ppm	0.0001 ppm
Concentration per Run	32.0598 ppm	2.2810 ppm	0.0031 ppm	0.4945 ppm	0.1062 ppm	0.1908 ppm	-0.0010 ppm
Concentration per Run	32.4506 ppm	2.2799 ppm	0.0037 ppm	0.4963 ppm	0.1056 ppm	0.1934 ppm	-0.0005 ppm
Concentration RSD	0.8 %	0.0 %	10.8 %	0.2 %	0.8 %	0.7 %	117.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	5.3732 ppm	0.0123 ppm	0.0352 ppm	4.4031 ppm	0.0001 ppm	0.1662 ppm
Concentration per Run	0.0049 ppm	5.3775 ppm	0.0119 ppm	0.0352 ppm	4.3840 ppm	0.0010 ppm	0.1656 ppm
Concentration per Run	0.0015 ppm	5.3672 ppm	0.0119 ppm	0.0353 ppm	4.3937 ppm	0.0007 ppm	0.1661 ppm
Concentration per Run	0.0010 ppm	5.3750 ppm	0.0130 ppm	0.0351 ppm	4.4316 ppm	-0.0014 ppm	0.1668 ppm
Concentration RSD	86.2 %	0.1 %	5.3 %	0.2 %	0.6 %	1.432.6 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4453 ppm	99.4448 %	98.9954 %	94.3019 %	106.6922 %	111.0889 %	106.2349 %
Concentration per Run	0.4430 ppm	99.9122 %	99.5371 %	94.7806 %	107.2569 %	111.1234 %	106.5956 %
Concentration per Run	0.4449 ppm	99.5585 %	98.4094 %	94.6622 %	106.5856 %	109.7303 %	106.3457 %
Concentration per Run	0.4480 ppm	98.8639 %	99.0398 %	93.4630 %	106.2340 %	112.4129 %	105.7633 %
Concentration RSD	0.6 %	0.5 %	0.6 %	0.8 %	0.5 %	1.2 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 9:13:33 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5003 ppm	0.4785 ppm	0.4743 ppm	0.4633 ppm	0.4839 ppm	0.4985 ppm	0.4859 ppm
Concentration per Run	0.5001 ppm	0.4717 ppm	0.4757 ppm	0.4656 ppm	0.4757 ppm	0.4995 ppm	0.4896 ppm
Concentration per Run	0.5005 ppm	0.4784 ppm	0.4731 ppm	0.4629 ppm	0.4820 ppm	0.4961 ppm	0.4863 ppm
Concentration per Run	0.5003 ppm	0.4853 ppm	0.4742 ppm	0.4615 ppm	0.4850 ppm	0.5000 ppm	0.4817 ppm
Recovery Percentage	100.057 %	95.695 %	94.863 %	92.667 %	96.772 %	99.702 %	97.177 %
Concentration RSD	0.0 %	1.4 %	0.3 %	0.4 %	0.3 %	0.4 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5018 ppm	0.4977 ppm	0.5030 ppm	0.5136 ppm	0.4927 ppm	5.0745 ppm	0.4964 ppm
Concentration per Run	0.5004 ppm	0.4967 ppm	0.5024 ppm	0.5133 ppm	0.4968 ppm	5.0843 ppm	0.5027 ppm
Concentration per Run	0.5030 ppm	0.4971 ppm	0.5018 ppm	0.5128 ppm	0.4895 ppm	5.0217 ppm	0.4892 ppm
Concentration per Run	0.5021 ppm	0.4994 ppm	0.5048 ppm	0.5147 ppm	0.4919 ppm	5.1176 ppm	0.4972 ppm
Recovery Percentage	100.365 %	99.548 %	100.602 %	102.720 %	98.546 %	101.491 %	99.271 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.2 %	0.7 %	1.0 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5193 ppm	0.4937 ppm	0.4742 ppm	9.9314 ppm	0.5052 ppm	0.5019 ppm	0.4987 ppm
Concentration per Run	0.5153 ppm	0.4938 ppm	0.4711 ppm	9.8669 ppm	0.5045 ppm	0.5034 ppm	0.4960 ppm
Concentration per Run	0.5235 ppm	0.4931 ppm	0.4753 ppm	9.9398 ppm	0.5054 ppm	0.5012 ppm	0.4975 ppm
Concentration per Run	0.5189 ppm	0.4943 ppm	0.4761 ppm	9.9876 ppm	0.5055 ppm	0.5009 ppm	0.5026 ppm
Recovery Percentage	103.851 %	98.747 %	94.835 %	99.314 %	101.030 %	100.373 %	99.738 %
Concentration RSD	0.8 %	0.1 %	0.6 %	0.6 %	0.1 %	0.3 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4662 ppm	5.3586 ppm	0.4837 ppm	0.4959 ppm	0.5063 ppm	0.4778 ppm	0.5085 ppm
Concentration per Run	0.4654 ppm	5.3544 ppm	0.4833 ppm	0.4973 ppm	0.5066 ppm	0.4801 ppm	0.5087 ppm
Concentration per Run	0.4656 ppm	5.3665 ppm	0.4846 ppm	0.4940 ppm	0.5079 ppm	0.4759 ppm	0.5090 ppm
Concentration per Run	0.4675 ppm	5.3548 ppm	0.4833 ppm	0.4963 ppm	0.5045 ppm	0.4775 ppm	0.5078 ppm
Recovery Percentage	93.234 %	102.068 %	96.747 %	99.170 %	101.264 %	95.565 %	101.698 %
Concentration RSD	0.3 %	0.1 %	0.2 %	0.3 %	0.3 %	0.4 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4745 ppm	99.0052 %	97.3443 %	96.8039 %	97.3348 %	97.7048 %	95.9595 %
Concentration per Run	0.4726 ppm	99.4664 %	98.3324 %	96.1582 %	98.2692 %	98.2882 %	95.1977 %
Concentration per Run	0.4754 ppm	98.737 %	97.4325 %	96.7982 %	96.6467 %	97.8986 %	96.1527 %
Concentration per Run	0.4754 ppm	98.9755 %	96.2681 %	97.4553 %	97.0885 %	96.9876 %	96.5280 %
Recovery Percentage	94.897 %						
Concentration RSD	0.3 %	0.5 %	1.1 %	0.7 %	0.9 %	0.7 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 9:15:39 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	-0.0097 ppm	0.0007 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm	-0.0044 ppm
Concentration per Run	-0.0005 ppm	-0.0155 ppm	-0.0006 ppm	-0.0005 ppm	-0.0003 ppm	0.0000 ppm	-0.0070 ppm
Concentration per Run	-0.0005 ppm	-0.0075 ppm	0.0016 ppm	0.0014 ppm	-0.0001 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run	-0.0008 ppm	-0.0063 ppm	0.0010 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm	-0.0054 ppm
Recovery Percentage	-8.588 %	-9.744 %	13.430 %	0.531 %	-1.866 %	0.737 %	-4.384 %
Concentration RSD	26.2 %	51.2 %	173.0 %	685.8 %	40.8 %	108.0 %	74.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0005 ppm	-0.0003 ppm	-0.0005 ppm	0.0010 ppm	-0.0192 ppm	0.0001 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0006 ppm	-0.0006 ppm	0.0011 ppm	-0.0068 ppm	-0.0011 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	-0.0004 ppm	-0.0004 ppm	0.0004 ppm	-0.0203 ppm	0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm	0.0015 ppm	-0.0306 ppm	0.0008 ppm
Recovery Percentage	1.172 %	2.544 %	-2.958 %	-4.643 %	2.018 %	-0.770 %	1.417 %
Concentration RSD	247.3 %	7.9 %	130.5 %	46.0 %	53.7 %	62.2 %	1,454.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0024 ppm	0.0000 ppm	0.0003 ppm	-0.0071 ppm	-0.0011 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run	-0.0032 ppm	-0.0003 ppm	0.0002 ppm	-0.0052 ppm	-0.0006 ppm	0.0018 ppm	-0.0032 ppm
Concentration per Run	0.0003 ppm	0.0001 ppm	0.0005 ppm	-0.0096 ppm	-0.0015 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run	-0.0042 ppm	0.0002 ppm	0.0001 ppm	-0.0064 ppm	-0.0013 ppm	-0.0003 ppm	0.0016 ppm
Recovery Percentage	-2.361 %	-0.093 %	0.577 %	-0.355 %	-4.504 %	5.362 %	0.424 %
Concentration RSD	101.0 %	2,704.0 %	74.2 %	31.7 %	39.9 %	210.3 %	1,383.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	0.0039 ppm	0.0003 ppm	-0.0001 ppm	-0.0012 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	0.0027 ppm	0.0053 ppm	0.0009 ppm	0.0000 ppm	-0.0011 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run	-0.0015 ppm	0.0014 ppm	-0.0006 ppm	-0.0001 ppm	-0.0016 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run	0.0017 ppm	0.0050 ppm	0.0005 ppm	-0.0002 ppm	-0.0008 ppm	0.0013 ppm	-0.0003 ppm
Recovery Percentage	9.903 %	0.776 %	0.536 %	-0.856 %	-11.807 %	6.877 %	-0.471 %
Concentration RSD	224.0 %	54.8 %	287.9 %	121.3 %	33.0 %	52.9 %	487.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	96.3641 %	95.2461 %	96.7617 %	96.8127 %	96.4976 %	96.9085 %
Concentration per Run	0.0001 ppm	96.6717 %	95.5522 %	96.4454 %	96.4179 %	97.7821 %	96.6225 %
Concentration per Run	0.0005 ppm	96.2956 %	94.5440 %	97.4884 %	96.9669 %	94.2208 %	97.5263 %
Concentration per Run	0.0000 ppm	96.1251 %	95.6423 %	96.3513 %	97.0533 %	97.4899 %	96.5766 %
Recovery Percentage	3.845 %						
Concentration RSD	139.5 %	0.3 %	0.6 %	0.7 %	0.4 %	2.0 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: I2555976-01d2 WG2111959

Analysis started at: 9/11/2025 9:20:48 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 25

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	121.3553 ppm	0.1076 ppm	0.0037 ppm	0.2962 ppm	0.0047 ppm	8.3934 ppm
Concentration per Run	-0.0004 ppm	121.2823 ppm	0.1079 ppm	0.0030 ppm	0.2965 ppm	0.0047 ppm	8.3905 ppm
Concentration per Run	0.0001 ppm	121.1257 ppm	0.1084 ppm	0.0032 ppm	0.2956 ppm	0.0047 ppm	8.4057 ppm
Concentration per Run	0.0002 ppm	121.6578 ppm	0.1064 ppm	0.0047 ppm	0.2965 ppm	0.0047 ppm	8.3840 ppm
Concentration RSD	697.4 %	0.2 %	0.9 %	25.7 %	0.2 %	0.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0367 ppm	0.1746 ppm	0.1012 ppm	120.1571 ppm	10.2668 ppm	0.1313 ppm
Concentration per Run	0.0006 ppm	0.0366 ppm	0.1733 ppm	0.1010 ppm	120.2338 ppm	10.2425 ppm	0.1323 ppm
Concentration per Run	0.0009 ppm	0.0369 ppm	0.1760 ppm	0.1011 ppm	119.7626 ppm	10.2232 ppm	0.1305 ppm
Concentration per Run	0.0005 ppm	0.0367 ppm	0.1746 ppm	0.1014 ppm	120.4747 ppm	10.3346 ppm	0.1312 ppm
Concentration RSD	25.6 %	0.3 %	0.8 %	0.2 %	0.3 %	0.6 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	25.6045 ppm	1.5831 ppm	0.0052 ppm	0.3761 ppm	0.1082 ppm	0.2453 ppm	0.0112 ppm
Concentration per Run	25.4976 ppm	1.5860 ppm	0.0054 ppm	0.3725 ppm	0.1089 ppm	0.2452 ppm	0.0131 ppm
Concentration per Run	25.5466 ppm	1.5786 ppm	0.0048 ppm	0.3700 ppm	0.1078 ppm	0.2454 ppm	0.0113 ppm
Concentration per Run	25.7693 ppm	1.5848 ppm	0.0053 ppm	0.3858 ppm	0.1078 ppm	0.2454 ppm	0.0091 ppm
Concentration RSD	0.6 %	0.2 %	6.4 %	2.3 %	0.6 %	0.1 %	18.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0059 ppm	6.4165 ppm	0.0111 ppm	0.0373 ppm	5.8156 ppm	0.0012 ppm	0.2054 ppm
Concentration per Run	0.0025 ppm	6.4447 ppm	0.0117 ppm	0.0373 ppm	5.8057 ppm	0.0010 ppm	0.2043 ppm
Concentration per Run	0.0095 ppm	6.4149 ppm	0.0114 ppm	0.0371 ppm	5.7870 ppm	0.0011 ppm	0.2054 ppm
Concentration per Run	0.0056 ppm	6.3900 ppm	0.0103 ppm	0.0374 ppm	5.8541 ppm	0.0016 ppm	0.2064 ppm
Concentration RSD	58.4 %	0.4 %	6.7 %	0.5 %	0.6 %	25.4 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2855 ppm	98.8426 %	100.1736 %	94.0720 %	105.7848 %	110.3126 %	106.8707 %
Concentration per Run	0.2847 ppm	98.8641 %	100.6826 %	94.1059 %	105.4871 %	110.3078 %	107.0060 %
Concentration per Run	0.2857 ppm	99.2892 %	100.9513 %	93.6739 %	106.3678 %	109.6199 %	106.5292 %
Concentration per Run	0.2860 ppm	98.3743 %	98.8870 %	94.4362 %	105.4996 %	111.0101 %	107.0770 %
Concentration RSD	0.2 %	0.5 %	1.1 %	0.4 %	0.5 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555679-01d2 WG2112634

Analysis started at: 9/11/2025 9:23:18 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 26

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0011 ppm	56.8671 ppm	0.0489 ppm	0.0088 ppm	0.3876 ppm	0.0028 ppm	16.7941 ppm
Concentration per Run	0.0010 ppm	56.8965 ppm	0.0490 ppm	0.0085 ppm	0.3889 ppm	0.0028 ppm	16.8318 ppm
Concentration per Run	0.0011 ppm	57.0190 ppm	0.0495 ppm	0.0091 ppm	0.3907 ppm	0.0028 ppm	16.8786 ppm
Concentration per Run	0.0013 ppm	56.6857 ppm	0.0483 ppm	0.0089 ppm	0.3831 ppm	0.0028 ppm	16.6718 ppm
Concentration RSD	12.1 %	0.3 %	1.2 %	3.3 %	1.0 %	0.4 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0027 ppm	0.0535 ppm	0.1145 ppm	0.1740 ppm	116.0634 ppm	2.6906 ppm	0.0439 ppm
Concentration per Run	0.0026 ppm	0.0534 ppm	0.1143 ppm	0.1746 ppm	115.8618 ppm	2.6984 ppm	0.0442 ppm
Concentration per Run	0.0027 ppm	0.0529 ppm	0.1145 ppm	0.1739 ppm	116.1387 ppm	2.6993 ppm	0.0452 ppm
Concentration per Run	0.0028 ppm	0.0541 ppm	0.1146 ppm	0.1735 ppm	116.1897 ppm	2.6741 ppm	0.0423 ppm
Concentration RSD	3.4 %	1.1 %	0.1 %	0.3 %	0.2 %	0.5 %	3.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.9167 ppm	3.0904 ppm	0.0030 ppm	0.2903 ppm	0.0708 ppm	0.9796 ppm	-0.0005 ppm
Concentration per Run	14.9973 ppm	3.1071 ppm	0.0027 ppm	0.2942 ppm	0.0709 ppm	0.9842 ppm	0.0013 ppm
Concentration per Run	14.9781 ppm	3.1056 ppm	0.0033 ppm	0.2899 ppm	0.0715 ppm	0.9803 ppm	-0.0014 ppm
Concentration per Run	14.7747 ppm	3.0583 ppm	0.0029 ppm	0.2867 ppm	0.0700 ppm	0.9743 ppm	-0.0015 ppm
Concentration RSD	0.8 %	0.9 %	8.7 %	1.3 %	1.1 %	0.5 %	316.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0066 ppm	0.9958 ppm	0.0147 ppm	0.0864 ppm	1.8836 ppm	0.0013 ppm	0.2733 ppm
Concentration per Run	0.0058 ppm	0.9931 ppm	0.0157 ppm	0.0863 ppm	1.8970 ppm	-0.0003 ppm	0.2740 ppm
Concentration per Run	0.0070 ppm	1.0022 ppm	0.0143 ppm	0.0865 ppm	1.8935 ppm	0.0016 ppm	0.2736 ppm
Concentration per Run	0.0071 ppm	0.9919 ppm	0.0141 ppm	0.0863 ppm	1.8604 ppm	0.0027 ppm	0.2723 ppm
Concentration RSD	11.2 %	0.6 %	5.9 %	0.1 %	1.1 %	116.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.8757 ppm	104.3574 %	102.3257 %	97.9529 %	116.4105 %	118.0754 %	115.2713 %
Concentration per Run	0.8759 ppm	104.2145 %	102.3886 %	97.9376 %	116.5087 %	119.2155 %	115.4574 %
Concentration per Run	0.8780 ppm	103.6636 %	101.7586 %	97.4477 %	115.7279 %	117.6562 %	114.7563 %
Concentration per Run	0.8731 ppm	105.1943 %	102.8299 %	98.4733 %	116.9948 %	117.3547 %	115.6002 %
Concentration RSD	0.3 %	0.7 %	0.5 %	0.5 %	0.5 %	0.8 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555679-03d2 WG2112634

Analysis started at: 9/11/2025 9:25:24 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 27

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	49.1674 ppm	0.0355 ppm	0.0116 ppm	0.3577 ppm	0.0024 ppm	25.2580 ppm
Concentration per Run	0.0008 ppm	48.9174 ppm	0.0343 ppm	0.0131 ppm	0.3550 ppm	0.0024 ppm	25.2811 ppm
Concentration per Run	0.0004 ppm	49.1555 ppm	0.0370 ppm	0.0098 ppm	0.3581 ppm	0.0025 ppm	25.0853 ppm
Concentration per Run	0.0002 ppm	49.4294 ppm	0.0353 ppm	0.0119 ppm	0.3601 ppm	0.0024 ppm	25.4076 ppm
Concentration RSD	63.1 %	0.5 %	3.9 %	14.0 %	0.7 %	1.6 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0018 ppm	0.0465 ppm	0.1225 ppm	0.1950 ppm	109.4389 ppm	3.3013 ppm	0.0387 ppm
Concentration per Run	0.0018 ppm	0.0469 ppm	0.1225 ppm	0.1945 ppm	108.9120 ppm	3.2709 ppm	0.0396 ppm
Concentration per Run	0.0018 ppm	0.0467 ppm	0.1228 ppm	0.1952 ppm	110.0370 ppm	3.3240 ppm	0.0368 ppm
Concentration per Run	0.0018 ppm	0.0460 ppm	0.1221 ppm	0.1953 ppm	109.3676 ppm	3.3090 ppm	0.0400 ppm
Concentration RSD	2.1 %	1.0 %	0.3 %	0.2 %	0.5 %	0.8 %	4.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.8934 ppm	3.1893 ppm	0.0028 ppm	0.3070 ppm	0.0665 ppm	0.6896 ppm	0.0000 ppm
Concentration per Run	15.8360 ppm	3.1645 ppm	0.0029 ppm	0.3068 ppm	0.0668 ppm	0.6893 ppm	0.0002 ppm
Concentration per Run	15.9172 ppm	3.1956 ppm	0.0027 ppm	0.3059 ppm	0.0672 ppm	0.6888 ppm	-0.0010 ppm
Concentration per Run	15.9271 ppm	3.2079 ppm	0.0028 ppm	0.3082 ppm	0.0655 ppm	0.6907 ppm	0.0009 ppm
Concentration RSD	0.3 %	0.7 %	3.0 %	0.4 %	1.4 %	0.1 %	3,161.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0047 ppm	0.9238 ppm	0.0141 ppm	0.1053 ppm	1.3732 ppm	0.0003 ppm	0.1984 ppm
Concentration per Run	0.0029 ppm	0.9250 ppm	0.0144 ppm	0.1046 ppm	1.3703 ppm	-0.0005 ppm	0.1982 ppm
Concentration per Run	0.0054 ppm	0.9250 ppm	0.0138 ppm	0.1058 ppm	1.3732 ppm	0.0005 ppm	0.1986 ppm
Concentration per Run	0.0058 ppm	0.9214 ppm	0.0141 ppm	0.1056 ppm	1.3760 ppm	0.0009 ppm	0.1983 ppm
Concentration RSD	32.9 %	0.2 %	2.1 %	0.6 %	0.2 %	247.5 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4987 ppm	102.4765 %	101.4816 %	96.9845 %	114.7195 %	116.7426 %	113.6994 %
Concentration per Run	0.4993 ppm	102.5772 %	101.7276 %	97.2581 %	114.8845 %	116.5100 %	113.8755 %
Concentration per Run	0.5007 ppm	102.6709 %	101.5886 %	97.3322 %	114.6381 %	116.7865 %	114.2405 %
Concentration per Run	0.4960 ppm	102.1818 %	101.1286 %	96.3631 %	114.6360 %	116.9312 %	112.9821 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.6 %	0.1 %	0.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-01d2 WG2112634

Analysis started at: 9/11/2025 9:27:31 PM

Comment: <Comment>

Rack Number 3

Vial Numbers 28

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	91.5230 ppm	0.0804 ppm	0.0019 ppm	0.1667 ppm	0.0206 ppm	20.2200 ppm
Concentration per Run	0.0019 ppm	91.5348 ppm	0.0806 ppm	0.0028 ppm	0.1668 ppm	0.0206 ppm	20.0908 ppm
Concentration per Run	0.0018 ppm	91.3505 ppm	0.0805 ppm	0.0009 ppm	0.1664 ppm	0.0206 ppm	20.3362 ppm
Concentration per Run	0.0025 ppm	91.6838 ppm	0.0803 ppm	0.0021 ppm	0.1667 ppm	0.0206 ppm	20.2331 ppm
Concentration RSD	20.1 %	0.2 %	0.2 %	49.8 %	0.1 %	0.2 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0845 ppm	0.1273 ppm	0.1444 ppm	348.2547 ppm	16.5989 ppm	1.0116 ppm
Concentration per Run	0.0009 ppm	0.0844 ppm	0.1274 ppm	0.1432 ppm	348.1078 ppm	16.5736 ppm	1.0190 ppm
Concentration per Run	0.0007 ppm	0.0837 ppm	0.1268 ppm	0.1447 ppm	347.0446 ppm	16.5540 ppm	1.0071 ppm
Concentration per Run	0.0007 ppm	0.0853 ppm	0.1277 ppm	0.1453 ppm	349.6117 ppm	16.6691 ppm	1.0086 ppm
Concentration RSD	16.6 %	0.9 %	0.4 %	0.7 %	0.4 %	0.4 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	79.4275 ppm	7.3546 ppm	0.0206 ppm	5.6793 ppm	0.1620 ppm	0.1533 ppm	-0.0011 ppm
Concentration per Run	78.8520 ppm	7.3531 ppm	0.0200 ppm	5.6885 ppm	0.1597 ppm	0.1529 ppm	-0.0041 ppm
Concentration per Run	79.8336 ppm	7.3453 ppm	0.0200 ppm	5.6775 ppm	0.1628 ppm	0.1544 ppm	0.0001 ppm
Concentration per Run	79.7968 ppm	7.3652 ppm	0.0217 ppm	5.6719 ppm	0.1634 ppm	0.1526 ppm	0.0008 ppm
Concentration RSD	0.6 %	0.1 %	4.9 %	0.1 %	1.2 %	0.6 %	247.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	1.8773 ppm	0.0063 ppm	0.0429 ppm	2.8791 ppm	0.0006 ppm	0.3114 ppm
Concentration per Run	-0.0004 ppm	1.8730 ppm	0.0065 ppm	0.0428 ppm	2.8606 ppm	-0.0001 ppm	0.3109 ppm
Concentration per Run	0.0015 ppm	1.8744 ppm	0.0044 ppm	0.0428 ppm	2.8884 ppm	0.0005 ppm	0.3108 ppm
Concentration per Run	0.0033 ppm	1.8844 ppm	0.0079 ppm	0.0430 ppm	2.8883 ppm	0.0014 ppm	0.3126 ppm
Concentration RSD	130.3 %	0.3 %	27.5 %	0.2 %	0.6 %	134.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3255 ppm	108.3602 %	108.6053 %	97.8677 %	170.7510 %	178.8867 %	169.2598 %
Concentration per Run	0.3245 ppm	108.6447 %	109.2568 %	97.8196 %	170.9487 %	180.5634 %	168.8723 %
Concentration per Run	0.3253 ppm	108.2481 %	108.6590 %	98.0895 %	171.0555 %	178.9857 %	169.9989 %
Concentration per Run	0.3266 ppm	108.1878 %	107.9000 %	97.6941 %	170.2488 %	177.1112 %	168.9082 %
Concentration RSD	0.3 %	0.2 %	0.6 %	0.2 %	0.3 %	1.0 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-02d2 WG2112634

Analysis started at: 9/11/2025 9:29:37 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 29

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	138.9876 ppm	0.0652 ppm	0.0031 ppm	0.2284 ppm	0.0210 ppm	30.4889 ppm
Concentration per Run	0.0024 ppm	138.7249 ppm	0.0663 ppm	0.0040 ppm	0.2277 ppm	0.0209 ppm	30.4355 ppm
Concentration per Run	0.0014 ppm	139.0586 ppm	0.0633 ppm	0.0032 ppm	0.2282 ppm	0.0210 ppm	30.5401 ppm
Concentration per Run	0.0025 ppm	139.1792 ppm	0.0660 ppm	0.0022 ppm	0.2294 ppm	0.0211 ppm	30.4913 ppm
Concentration RSD	27.7 %	0.2 %	2.6 %	27.6 %	0.4 %	0.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.0879 ppm	0.1374 ppm	0.1543 ppm	312.7894 ppm	28.7799 ppm	1.8865 ppm
Concentration per Run	0.0011 ppm	0.0873 ppm	0.1365 ppm	0.1546 ppm	312.1341 ppm	28.6295 ppm	1.8826 ppm
Concentration per Run	0.0008 ppm	0.0886 ppm	0.1376 ppm	0.1537 ppm	312.1093 ppm	28.8113 ppm	1.8810 ppm
Concentration per Run	0.0010 ppm	0.0877 ppm	0.1382 ppm	0.1548 ppm	314.1248 ppm	28.8989 ppm	1.8961 ppm
Concentration RSD	17.1 %	0.7 %	0.6 %	0.4 %	0.4 %	0.5 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	137.6671 ppm	6.8057 ppm	0.0060 ppm	8.4007 ppm	0.1841 ppm	0.1687 ppm	-0.0054 ppm
Concentration per Run	137.8210 ppm	6.8072 ppm	0.0060 ppm	8.3816 ppm	0.1848 ppm	0.1671 ppm	-0.0053 ppm
Concentration per Run	137.7205 ppm	6.8072 ppm	0.0061 ppm	8.4345 ppm	0.1834 ppm	0.1686 ppm	-0.0059 ppm
Concentration per Run	137.4598 ppm	6.8028 ppm	0.0059 ppm	8.3859 ppm	0.1842 ppm	0.1703 ppm	-0.0050 ppm
Concentration RSD	0.1 %	0.0 %	1.4 %	0.3 %	0.4 %	1.0 %	7.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0004 ppm	1.6869 ppm	0.0085 ppm	0.0647 ppm	5.0570 ppm	0.0008 ppm	0.2907 ppm
Concentration per Run	-0.0010 ppm	1.6795 ppm	0.0073 ppm	0.0645 ppm	5.0646 ppm	0.0011 ppm	0.2903 ppm
Concentration per Run	0.0007 ppm	1.6876 ppm	0.0099 ppm	0.0648 ppm	5.0563 ppm	0.0005 ppm	0.2911 ppm
Concentration per Run	-0.0011 ppm	1.6937 ppm	0.0083 ppm	0.0648 ppm	5.0501 ppm	0.0009 ppm	0.2909 ppm
Concentration RSD	222.7 %	0.4 %	15.2 %	0.3 %	0.1 %	35.3 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3893 ppm	106.7453 ppm	109.1981 ppm	96.8002 ppm	179.9323 ppm	194.0618 ppm	180.5134 ppm
Concentration per Run	0.3909 ppm	106.0861 ppm	109.9066 ppm	97.0488 ppm	178.6841 ppm	195.3454 ppm	180.2539 ppm
Concentration per Run	0.3889 ppm	107.0521 ppm	108.8220 ppm	96.9307 ppm	180.6890 ppm	193.9326 ppm	181.0382 ppm
Concentration per Run	0.3881 ppm	107.0978 ppm	108.8657 ppm	96.4212 ppm	180.4237 ppm	192.9074 ppm	180.2482 ppm
Concentration RSD	0.4 %	0.5 %	0.6 %	0.3 %	0.6 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-03d2 WG2112634

Analysis started at: 9/11/2025 9:31:43 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 30

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	141.2769 ppm	0.0768 ppm	0.0023 ppm	0.2262 ppm	0.0242 ppm	11.7746 ppm
Concentration per Run	0.0023 ppm	140.8656 ppm	0.0751 ppm	0.0022 ppm	0.2264 ppm	0.0242 ppm	11.7241 ppm
Concentration per Run	0.0022 ppm	141.8564 ppm	0.0768 ppm	0.0020 ppm	0.2260 ppm	0.0243 ppm	11.8051 ppm
Concentration per Run	0.0018 ppm	141.1088 ppm	0.0785 ppm	0.0025 ppm	0.2261 ppm	0.0242 ppm	11.7946 ppm
Concentration RSD	12.1 %	0.4 %	2.2 %	11.4 %	0.1 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.1072 ppm	0.1361 ppm	0.1685 ppm	348.5286 ppm	20.7834 ppm	1.8023 ppm
Concentration per Run	0.0006 ppm	0.1054 ppm	0.1358 ppm	0.1684 ppm	347.8277 ppm	20.7373 ppm	1.8019 ppm
Concentration per Run	0.0011 ppm	0.1079 ppm	0.1366 ppm	0.1686 ppm	350.4342 ppm	20.8425 ppm	1.8273 ppm
Concentration per Run	0.0011 ppm	0.1083 ppm	0.1358 ppm	0.1684 ppm	347.3239 ppm	20.7704 ppm	1.7775 ppm
Concentration RSD	29.8 %	1.5 %	0.4 %	0.1 %	0.5 %	0.3 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	114.7298 ppm	8.1316 ppm	0.0100 ppm	8.1356 ppm	0.2098 ppm	0.1665 ppm	-0.0033 ppm
Concentration per Run	115.7080 ppm	8.1016 ppm	0.0106 ppm	8.1074 ppm	0.2100 ppm	0.1657 ppm	-0.0031 ppm
Concentration per Run	114.4804 ppm	8.1536 ppm	0.0098 ppm	8.1394 ppm	0.2097 ppm	0.1683 ppm	-0.0038 ppm
Concentration per Run	114.0010 ppm	8.1396 ppm	0.0096 ppm	8.1599 ppm	0.2098 ppm	0.1656 ppm	-0.0031 ppm
Concentration RSD	0.8 %	0.3 %	5.3 %	0.3 %	0.1 %	0.9 %	12.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	1.6533 ppm	0.0079 ppm	0.0421 ppm	4.8609 ppm	0.0011 ppm	0.3074 ppm
Concentration per Run	0.0032 ppm	1.6511 ppm	0.0082 ppm	0.0421 ppm	4.8887 ppm	0.0007 ppm	0.3079 ppm
Concentration per Run	0.0002 ppm	1.6541 ppm	0.0078 ppm	0.0424 ppm	4.8430 ppm	0.0012 ppm	0.3070 ppm
Concentration per Run	0.0052 ppm	1.6547 ppm	0.0077 ppm	0.0419 ppm	4.8510 ppm	0.0012 ppm	0.3072 ppm
Concentration RSD	88.2 %	0.1 %	3.2 %	0.6 %	0.5 %	25.8 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3468 ppm	108.8078 %	110.4179 %	98.5846 %	190.2437 %	200.9004 %	190.6672 %
Concentration per Run	0.3477 ppm	108.5699 %	110.6393 %	99.1698 %	190.1530 %	200.4792 %	191.7858 %
Concentration per Run	0.3468 ppm	108.8279 %	110.6666 %	98.0738 %	190.4261 %	201.3898 %	189.8292 %
Concentration per Run	0.3460 ppm	109.0258 %	109.9478 %	98.5101 %	190.1520 %	200.8323 %	190.3866 %
Concentration RSD	0.2 %	0.2 %	0.4 %	0.6 %	0.1 %	0.2 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-04d2 WG2112634

Analysis started at: 9/11/2025 9:33:49 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 31

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	141.4265 ppm	0.0462 ppm	0.0044 ppm	0.3098 ppm	0.0153 ppm	63.5751 ppm
Concentration per Run	0.0024 ppm	141.6683 ppm	0.0469 ppm	0.0053 ppm	0.3102 ppm	0.0153 ppm	63.7127 ppm
Concentration per Run	0.0021 ppm	141.1491 ppm	0.0487 ppm	0.0031 ppm	0.3118 ppm	0.0154 ppm	63.4397 ppm
Concentration per Run	0.0017 ppm	141.4621 ppm	0.0430 ppm	0.0047 ppm	0.3074 ppm	0.0152 ppm	63.5728 ppm
Concentration RSD	16.5 %	0.2 %	6.3 %	25.8 %	0.7 %	0.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0920 ppm	0.1459 ppm	0.1911 ppm	295.9597 ppm	39.5736 ppm	1.5040 ppm
Concentration per Run	0.0005 ppm	0.0931 ppm	0.1452 ppm	0.1912 ppm	292.3652 ppm	39.5213 ppm	1.4818 ppm
Concentration per Run	0.0004 ppm	0.0912 ppm	0.1461 ppm	0.1915 ppm	296.9954 ppm	39.7954 ppm	1.5180 ppm
Concentration per Run	0.0003 ppm	0.0917 ppm	0.1463 ppm	0.1907 ppm	298.5184 ppm	39.4041 ppm	1.5122 ppm
Concentration RSD	19.5 %	1.0 %	0.4 %	0.2 %	1.1 %	0.5 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	167.8552 ppm	5.5650 ppm	0.0036 ppm	11.5303 ppm	0.1822 ppm	0.1281 ppm	-0.0021 ppm
Concentration per Run	166.4241 ppm	5.5658 ppm	0.0036 ppm	11.6113 ppm	0.1828 ppm	0.1275 ppm	-0.0029 ppm
Concentration per Run	168.7223 ppm	5.5592 ppm	0.0034 ppm	11.5019 ppm	0.1818 ppm	0.1282 ppm	-0.0013 ppm
Concentration per Run	168.4193 ppm	5.5699 ppm	0.0038 ppm	11.4777 ppm	0.1820 ppm	0.1285 ppm	-0.0022 ppm
Concentration RSD	0.7 %	0.1 %	5.1 %	0.6 %	0.3 %	0.4 %	39.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	1.7256 ppm	0.0087 ppm	0.1017 ppm	5.1929 ppm	0.0022 ppm	0.2813 ppm
Concentration per Run	0.0013 ppm	1.7292 ppm	0.0085 ppm	0.1014 ppm	5.1636 ppm	0.0019 ppm	0.2800 ppm
Concentration per Run	-0.0004 ppm	1.7305 ppm	0.0075 ppm	0.1022 ppm	5.2269 ppm	0.0018 ppm	0.2816 ppm
Concentration per Run	0.0035 ppm	1.7171 ppm	0.0101 ppm	0.1015 ppm	5.1884 ppm	0.0029 ppm	0.2822 ppm
Concentration RSD	132.3 %	0.4 %	15.1 %	0.4 %	0.6 %	27.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3751 ppm	106.7403 %	108.4942 %	95.7289 %	176.9207 %	188.3161 %	175.0479 %
Concentration per Run	0.3730 ppm	106.9313 %	108.6457 %	95.0209 %	175.9373 %	190.6564 %	174.0715 %
Concentration per Run	0.3760 ppm	106.4587 %	108.5980 %	96.0436 %	176.9843 %	188.2740 %	175.4663 %
Concentration per Run	0.3762 ppm	106.8308 %	108.2389 %	96.1221 %	177.8406 %	186.0180 %	175.6059 %
Concentration RSD	0.5 %	0.2 %	0.2 %	0.6 %	0.5 %	1.2 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-05d2 WG2112634

Analysis started at: 9/11/2025 9:35:55 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 32

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0025 ppm	168.5333 ppm	0.0156 ppm	0.0025 ppm	0.3098 ppm	0.0139 ppm	9.8945 ppm
Concentration per Run	0.0031 ppm	168.3200 ppm	0.0174 ppm	0.0023 ppm	0.3085 ppm	0.0139 ppm	9.8622 ppm
Concentration per Run	0.0026 ppm	168.4564 ppm	0.0153 ppm	0.0036 ppm	0.3102 ppm	0.0139 ppm	9.8961 ppm
Concentration per Run	0.0017 ppm	168.8236 ppm	0.0140 ppm	0.0015 ppm	0.3107 ppm	0.0139 ppm	9.9252 ppm
Concentration RSD	28.6 %	0.2 %	10.7 %	42.5 %	0.4 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0014 ppm	0.0699 ppm	0.1771 ppm	0.2861 ppm	231.4706 ppm	68.6511 ppm	1.9502 ppm
Concentration per Run	0.0014 ppm	0.0700 ppm	0.1762 ppm	0.2856 ppm	229.8970 ppm	68.0216 ppm	1.9059 ppm
Concentration per Run	0.0014 ppm	0.0694 ppm	0.1771 ppm	0.2853 ppm	232.3412 ppm	68.9595 ppm	1.9947 ppm
Concentration per Run	0.0012 ppm	0.0702 ppm	0.1781 ppm	0.2874 ppm	232.1735 ppm	68.9721 ppm	1.9499 ppm
Concentration RSD	7.8 %	0.6 %	0.5 %	0.4 %	0.6 %	0.8 %	2.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	192.2015 ppm	3.6316 ppm	-0.0002 ppm	18.1810 ppm	0.2090 ppm	0.0830 ppm	-0.0032 ppm
Concentration per Run	189.7849 ppm	3.6364 ppm	0.0002 ppm	18.1600 ppm	0.2072 ppm	0.0822 ppm	-0.0070 ppm
Concentration per Run	191.5235 ppm	3.6250 ppm	-0.0006 ppm	18.1599 ppm	0.2091 ppm	0.0845 ppm	-0.0045 ppm
Concentration per Run	195.2960 ppm	3.6336 ppm	-0.0001 ppm	18.2231 ppm	0.2107 ppm	0.0823 ppm	0.0019 ppm
Concentration RSD	1.5 %	0.2 %	235.8 %	0.2 %	0.8 %	1.5 %	144.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0004 ppm	2.1365 ppm	0.0078 ppm	0.0561 ppm	5.5224 ppm	0.0038 ppm	0.3221 ppm
Concentration per Run	-0.0026 ppm	2.1219 ppm	0.0074 ppm	0.0559 ppm	5.4567 ppm	0.0035 ppm	0.3209 ppm
Concentration per Run	0.0005 ppm	2.1334 ppm	0.0083 ppm	0.0562 ppm	5.4978 ppm	0.0042 ppm	0.3208 ppm
Concentration per Run	0.0010 ppm	2.1541 ppm	0.0078 ppm	0.0561 ppm	5.6128 ppm	0.0036 ppm	0.3248 ppm
Concentration RSD	517.2 %	0.8 %	5.7 %	0.3 %	1.5 %	9.9 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4767 ppm	106.9803 %	108.8976 %	96.7638 %	153.0739 %	162.8831 %	152.3530 %
Concentration per Run	0.4750 ppm	107.3342 %	108.9661 %	96.3328 %	153.2265 %	164.6333 %	151.5564 %
Concentration per Run	0.4740 ppm	107.4431 %	109.0382 %	96.7408 %	153.4710 %	161.2787 %	152.3085 %
Concentration per Run	0.4811 ppm	106.1637 %	108.6887 %	97.2177 %	152.5240 %	162.7373 %	153.1941 %
Concentration RSD	0.8 %	0.7 %	0.2 %	0.5 %	0.3 %	1.0 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-01d2 WG2112634

Analysis started at: 9/11/2025 9:38:01 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 33

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0014 ppm	129.9379 ppm	0.0220 ppm	0.0109 ppm	0.8631 ppm	0.0071 ppm	12.3653 ppm
Concentration per Run	0.0006 ppm	129.9655 ppm	0.0228 ppm	0.0118 ppm	0.8649 ppm	0.0072 ppm	12.3382 ppm
Concentration per Run	0.0022 ppm	129.9087 ppm	0.0208 ppm	0.0114 ppm	0.8606 ppm	0.0071 ppm	12.3704 ppm
Concentration per Run	0.0013 ppm	129.9394 ppm	0.0224 ppm	0.0093 ppm	0.8640 ppm	0.0071 ppm	12.3874 ppm
Concentration RSD	58.0 %	0.0 %	4.8 %	12.4 %	0.3 %	0.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.1673 ppm	0.1691 ppm	0.1365 ppm	238.4354 ppm	10.7029 ppm	0.1138 ppm
Concentration per Run	0.0009 ppm	0.1676 ppm	0.1698 ppm	0.1369 ppm	238.8174 ppm	10.7133 ppm	0.1147 ppm
Concentration per Run	0.0009 ppm	0.1684 ppm	0.1687 ppm	0.1370 ppm	238.5492 ppm	10.6980 ppm	0.1141 ppm
Concentration per Run	0.0007 ppm	0.1658 ppm	0.1689 ppm	0.1355 ppm	237.9397 ppm	10.6974 ppm	0.1126 ppm
Concentration RSD	15.6 %	0.8 %	0.4 %	0.6 %	0.2 %	0.1 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.8358 ppm	9.3701 ppm	0.0017 ppm	9.1700 ppm	0.1517 ppm	0.0923 ppm	-0.0003 ppm
Concentration per Run	29.8684 ppm	9.3717 ppm	0.0018 ppm	9.1920 ppm	0.1518 ppm	0.0917 ppm	-0.0016 ppm
Concentration per Run	29.7078 ppm	9.3709 ppm	0.0014 ppm	9.1419 ppm	0.1508 ppm	0.0931 ppm	-0.0025 ppm
Concentration per Run	29.9313 ppm	9.3676 ppm	0.0018 ppm	9.1760 ppm	0.1527 ppm	0.0922 ppm	0.0033 ppm
Concentration RSD	0.4 %	0.0 %	11.7 %	0.3 %	0.6 %	0.8 %	1.213.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	1.0968 ppm	0.0086 ppm	0.0913 ppm	3.5055 ppm	0.0000 ppm	0.5924 ppm
Concentration per Run	0.0001 ppm	1.1004 ppm	0.0088 ppm	0.0918 ppm	3.5124 ppm	0.0008 ppm	0.5917 ppm
Concentration per Run	-0.0013 ppm	1.0938 ppm	0.0081 ppm	0.0911 ppm	3.4851 ppm	0.0003 ppm	0.5917 ppm
Concentration per Run	0.0024 ppm	1.0963 ppm	0.0089 ppm	0.0910 ppm	3.5189 ppm	-0.0012 ppm	0.5939 ppm
Concentration RSD	462.1 %	0.3 %	5.3 %	0.4 %	0.5 %	3.878.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3490 ppm	114.8231 %	115.9517 %	106.0130 %	139.7663 %	145.3934 %	139.9236 %
Concentration per Run	0.3491 ppm	115.5913 %	116.4883 %	106.8626 %	140.8082 %	146.8451 %	140.6449 %
Concentration per Run	0.3486 ppm	114.4738 %	116.1449 %	105.7705 %	138.9066 %	145.3430 %	139.9935 %
Concentration per Run	0.3494 ppm	114.4042 %	115.2218 %	105.4059 %	139.5842 %	143.9922 %	139.1324 %
Concentration RSD	0.1 %	0.6 %	0.6 %	0.7 %	0.7 %	1.0 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-02d2 WG2112634

Analysis started at: 9/11/2025 9:40:07 PM

Comment: <Comment>

Rack Number 3

Vial Numbers 34

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	110.4827 ppm	0.0211 ppm	0.0169 ppm	1.8181 ppm	0.0098 ppm	15.0854 ppm
Concentration per Run	0.0004 ppm	110.3129 ppm	0.0205 ppm	0.0174 ppm	1.8175 ppm	0.0098 ppm	15.0690 ppm
Concentration per Run	-0.0004 ppm	110.3936 ppm	0.0209 ppm	0.0172 ppm	1.8166 ppm	0.0097 ppm	15.0573 ppm
Concentration per Run	-0.0006 ppm	110.7416 ppm	0.0219 ppm	0.0162 ppm	1.8204 ppm	0.0097 ppm	15.1299 ppm
Concentration RSD	267.2 %	0.2 %	3.4 %	4.0 %	0.1 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.1478 ppm	0.1877 ppm	0.0778 ppm	190.2234 ppm	14.3881 ppm	0.1490 ppm
Concentration per Run	0.0010 ppm	0.1478 ppm	0.1872 ppm	0.0774 ppm	191.3852 ppm	14.3513 ppm	0.1526 ppm
Concentration per Run	0.0009 ppm	0.1482 ppm	0.1886 ppm	0.0788 ppm	190.2667 ppm	14.3661 ppm	0.1471 ppm
Concentration per Run	0.0009 ppm	0.1475 ppm	0.1874 ppm	0.0771 ppm	189.0181 ppm	14.4467 ppm	0.1473 ppm
Concentration RSD	2.4 %	0.2 %	0.4 %	1.1 %	0.6 %	0.4 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	36.0857 ppm	14.5156 ppm	0.0008 ppm	2.4697 ppm	0.2067 ppm	0.1354 ppm	0.0018 ppm
Concentration per Run	35.9649 ppm	14.5101 ppm	0.0009 ppm	2.4553 ppm	0.2065 ppm	0.1346 ppm	-0.0004 ppm
Concentration per Run	36.2445 ppm	14.5205 ppm	0.0011 ppm	2.4831 ppm	0.2073 ppm	0.1350 ppm	0.0025 ppm
Concentration per Run	36.0478 ppm	14.5163 ppm	0.0004 ppm	2.4907 ppm	0.2064 ppm	0.1367 ppm	0.0035 ppm
Concentration RSD	0.4 %	0.0 %	44.6 %	0.8 %	0.3 %	0.8 %	111.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	1.1538 ppm	0.0111 ppm	0.0996 ppm	2.4863 ppm	-0.0027 ppm	0.2695 ppm
Concentration per Run	-0.0041 ppm	1.1460 ppm	0.0115 ppm	0.1001 ppm	2.4817 ppm	-0.0022 ppm	0.2704 ppm
Concentration per Run	0.0015 ppm	1.1580 ppm	0.0114 ppm	0.0993 ppm	2.4914 ppm	-0.0034 ppm	0.2688 ppm
Concentration per Run	0.0018 ppm	1.1575 ppm	0.0103 ppm	0.0995 ppm	2.4857 ppm	-0.0023 ppm	0.2693 ppm
Concentration RSD	1,225.7 %	0.6 %	5.9 %	0.4 %	0.2 %	24.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3709 ppm	105.2168 %	106.4270 %	98.1036 %	140.8176 %	147.5302 %	141.4266 %
Concentration per Run	0.3708 ppm	105.2328 %	106.8863 %	97.5836 %	140.3658 %	148.2620 %	140.6444 %
Concentration per Run	0.3724 ppm	104.4464 %	106.4814 %	98.4017 %	140.2489 %	146.2593 %	142.0469 %
Concentration per Run	0.3697 ppm	105.9713 %	105.9113 %	98.3255 %	141.8180 %	148.0692 %	141.5885 %
Concentration RSD	0.4 %	0.7 %	0.5 %	0.5 %	0.6 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample: 9/11/2025 9:42:14 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5040 ppm	0.4815 ppm	0.4802 ppm	0.4708 ppm	0.4896 ppm	0.5042 ppm	0.4953 ppm
Concentration per Run	0.5049 ppm	0.4872 ppm	0.4774 ppm	0.4707 ppm	0.4886 ppm	0.5021 ppm	0.4951 ppm
Concentration per Run	0.5039 ppm	0.4905 ppm	0.4852 ppm	0.4683 ppm	0.4915 ppm	0.5055 ppm	0.4939 ppm
Concentration per Run	0.5031 ppm	0.4668 ppm	0.4779 ppm	0.4733 ppm	0.4888 ppm	0.5051 ppm	0.4970 ppm
Recovery Percentage	100.794 %	96.303 %	96.035 %	94.152 %	97.925 %	100.849 %	99.067 %
Concentration RSD	0.2 %	2.7 %	0.9 %	0.5 %	0.3 %	0.4 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5059 ppm	0.5046 ppm	0.5084 ppm	0.5223 ppm	0.4995 ppm	5.1572 ppm	0.5008 ppm
Concentration per Run	0.5053 ppm	0.5029 ppm	0.5074 ppm	0.5223 ppm	0.4996 ppm	5.1335 ppm	0.5000 ppm
Concentration per Run	0.5062 ppm	0.5045 ppm	0.5087 ppm	0.5214 ppm	0.4995 ppm	5.1465 ppm	0.4974 ppm
Concentration per Run	0.5060 ppm	0.5063 ppm	0.5090 ppm	0.5231 ppm	0.4993 ppm	5.1917 ppm	0.5048 ppm
Recovery Percentage	101.172 %	100.919 %	101.672 %	104.454 %	99.892 %	103.145 %	100.150 %
Concentration RSD	0.1 %	0.3 %	0.2 %	0.2 %	0.0 %	0.6 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5243 ppm	0.4991 ppm	0.4782 ppm	10.0457 ppm	0.5108 ppm	0.5102 ppm	0.5060 ppm
Concentration per Run	0.5255 ppm	0.4984 ppm	0.4776 ppm	10.0280 ppm	0.5098 ppm	0.5080 ppm	0.5037 ppm
Concentration per Run	0.5251 ppm	0.4993 ppm	0.4794 ppm	10.0242 ppm	0.5124 ppm	0.5118 ppm	0.5047 ppm
Concentration per Run	0.5221 ppm	0.4995 ppm	0.4775 ppm	10.0850 ppm	0.5103 ppm	0.5109 ppm	0.5095 ppm
Recovery Percentage	104.854 %	99.814 %	95.638 %	100.457 %	102.162 %	102.044 %	101.194 %
Concentration RSD	0.4 %	0.1 %	0.2 %	0.3 %	0.3 %	0.4 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4734 ppm	5.4019 ppm	0.4876 ppm	0.5027 ppm	0.5070 ppm	0.4826 ppm	0.5163 ppm
Concentration per Run	0.4703 ppm	5.4007 ppm	0.4907 ppm	0.5011 ppm	0.5085 ppm	0.4833 ppm	0.5155 ppm
Concentration per Run	0.4752 ppm	5.4073 ppm	0.4873 ppm	0.5036 ppm	0.5075 ppm	0.4826 ppm	0.5170 ppm
Concentration per Run	0.4746 ppm	5.3977 ppm	0.4847 ppm	0.5033 ppm	0.5051 ppm	0.4819 ppm	0.5162 ppm
Recovery Percentage	94.671 %	102.893 %	97.513 %	100.534 %	101.404 %	96.519 %	103.250 %
Concentration RSD	0.6 %	0.1 %	0.6 %	0.3 %	0.3 %	0.1 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4778 ppm	98.5766 %	96.4106 %	95.9026 %	96.9656 %	97.0494 %	95.2203 %
Concentration per Run	0.4769 ppm	98.6481 %	96.2281 %	96.3501 %	97.2472 %	96.2040 %	95.7523 %
Concentration per Run	0.4780 ppm	98.6479 %	96.5064 %	95.2377 %	96.6728 %	97.2461 %	94.4211 %
Concentration per Run	0.4785 ppm	98.4337 %	96.4973 %	96.1199 %	96.9767 %	97.6980 %	95.4875 %
Recovery Percentage	95.561 %						
Concentration RSD	0.2 %	0.1 %	0.2 %	0.6 %	0.3 %	0.8 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 9:44:20 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0013 ppm	0.0005 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0043 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0020 ppm
Concentration per Run	-0.0007 ppm	0.0030 ppm	-0.0002 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	-0.0004 ppm	-0.0071 ppm	0.0020 ppm	-0.0009 ppm	-0.0003 ppm	0.0000 ppm	-0.0104 ppm
Recovery Percentage	-6.838 %	-1.311 %	9.136 %	-0.274 %	-0.756 %	0.871 %	-4.279 %
Concentration RSD	48.7 %	396.7 %	299.7 %	842.8 %	210.9 %	49.2 %	125.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0003 ppm	0.0028 ppm	0.0046 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm	0.0031 ppm	0.0204 ppm	0.0006 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0004 ppm	-0.0004 ppm	0.0013 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0000 ppm	-0.0004 ppm	0.0041 ppm	-0.0058 ppm	-0.0001 ppm
Recovery Percentage	0.566 %	1.706 %	0.351 %	-2.529 %	5.640 %	0.183 %	4.774 %
Concentration RSD	399.0 %	39.9 %	1,052.5 %	117.1 %	51.6 %	304.4 %	152.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0029 ppm	-0.0001 ppm	0.0004 ppm	-0.0107 ppm	-0.0002 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run	-0.0016 ppm	-0.0001 ppm	0.0002 ppm	-0.0060 ppm	-0.0005 ppm	0.0004 ppm	-0.0007 ppm
Concentration per Run	-0.0055 ppm	-0.0001 ppm	0.0004 ppm	-0.0133 ppm	0.0003 ppm	-0.0016 ppm	0.0016 ppm
Concentration per Run	-0.0015 ppm	0.0000 ppm	0.0006 ppm	-0.0127 ppm	-0.0004 ppm	0.0002 ppm	0.0055 ppm
Recovery Percentage	-2.884 %	-0.814 %	0.750 %	-0.534 %	-0.815 %	-0.245 %	4.287 %
Concentration RSD	78.6 %	84.1 %	48.1 %	38.1 %	209.1 %	2,430.4 %	146.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	-0.0008 ppm	0.0007 ppm	-0.0001 ppm	-0.0012 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0026 ppm	0.0010 ppm	0.0012 ppm	-0.0001 ppm	-0.0015 ppm	0.0016 ppm	-0.0003 ppm
Concentration per Run	0.0011 ppm	-0.0023 ppm	-0.0001 ppm	0.0000 ppm	-0.0010 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0021 ppm	-0.0010 ppm	0.0011 ppm	-0.0003 ppm	-0.0012 ppm	0.0003 ppm	-0.0004 ppm
Recovery Percentage	19.352 %	-0.158 %	1.442 %	-1.201 %	-12.189 %	4.564 %	-2.114 %
Concentration RSD	38.4 %	211.7 %	102.3 %	126.8 %	22.8 %	68.9 %	108.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	97.5165 %	95.2817 %	96.1081 %	98.0108 %	97.2570 %	96.5470 %
Concentration per Run	0.0005 ppm	97.3307 %	95.2486 %	96.3795 %	97.7733 %	96.2624 %	96.9322 %
Concentration per Run	0.0001 ppm	97.9560 %	95.4857 %	95.9120 %	98.5349 %	97.8075 %	96.5229 %
Concentration per Run	0.0001 ppm	97.2629 %	95.1108 %	96.0328 %	97.7244 %	97.7011 %	96.1860 %
Recovery Percentage	4.961 %						
Concentration RSD	96.2 %	0.4 %	0.2 %	0.3 %	0.5 %	0.9 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-05d2 WG2112634

Analysis started at: 9/11/2025 9:50:26 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 35

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0010 ppm	116.4643 ppm	0.0189 ppm	0.0131 ppm	0.8915 ppm	0.0064 ppm	10.9672 ppm
Concentration per Run	0.0011 ppm	116.5570 ppm	0.0193 ppm	0.0135 ppm	0.8931 ppm	0.0064 ppm	11.0087 ppm
Concentration per Run	0.0009 ppm	116.4418 ppm	0.0180 ppm	0.0126 ppm	0.8889 ppm	0.0065 ppm	10.9476 ppm
Concentration per Run	0.0010 ppm	116.3941 ppm	0.0193 ppm	0.0133 ppm	0.8925 ppm	0.0064 ppm	10.9454 ppm
Concentration RSD	10.9 %	0.1 %	3.9 %	3.6 %	0.3 %	0.8 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0018 ppm	0.1929 ppm	0.1569 ppm	0.1420 ppm	215.2284 ppm	8.8126 ppm	0.0967 ppm
Concentration per Run	0.0018 ppm	0.1922 ppm	0.1561 ppm	0.1418 ppm	216.3425 ppm	8.8346 ppm	0.0996 ppm
Concentration per Run	0.0018 ppm	0.1932 ppm	0.1568 ppm	0.1418 ppm	214.4019 ppm	8.7989 ppm	0.0953 ppm
Concentration per Run	0.0018 ppm	0.1933 ppm	0.1579 ppm	0.1424 ppm	214.9408 ppm	8.8043 ppm	0.0951 ppm
Concentration RSD	1.2 %	0.3 %	0.6 %	0.2 %	0.5 %	0.2 %	2.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	26.9898 ppm	9.4735 ppm	0.0013 ppm	8.9291 ppm	0.1425 ppm	0.0904 ppm	-0.0014 ppm
Concentration per Run	26.9500 ppm	9.4597 ppm	0.0016 ppm	8.8611 ppm	0.1423 ppm	0.0903 ppm	0.0024 ppm
Concentration per Run	27.0661 ppm	9.4647 ppm	0.0010 ppm	8.9322 ppm	0.1426 ppm	0.0911 ppm	-0.0013 ppm
Concentration per Run	26.9533 ppm	9.4962 ppm	0.0013 ppm	8.9938 ppm	0.1427 ppm	0.0898 ppm	-0.0052 ppm
Concentration RSD	0.2 %	0.2 %	22.3 %	0.7 %	0.1 %	0.7 %	270.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	1.0903 ppm	0.0083 ppm	0.0752 ppm	3.6227 ppm	0.0002 ppm	0.5567 ppm
Concentration per Run	0.0006 ppm	1.0924 ppm	0.0097 ppm	0.0755 ppm	3.6169 ppm	0.0001 ppm	0.5557 ppm
Concentration per Run	0.0022 ppm	1.0892 ppm	0.0078 ppm	0.0749 ppm	3.6246 ppm	-0.0002 ppm	0.5574 ppm
Concentration per Run	-0.0021 ppm	1.0892 ppm	0.0074 ppm	0.0753 ppm	3.6266 ppm	0.0005 ppm	0.5571 ppm
Concentration RSD	920.0 %	0.2 %	15.2 %	0.4 %	0.1 %	217.9 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3377 ppm	112.1075 %	111.9031 %	103.0376 %	139.0111 %	138.3110 %	138.3110 %
Concentration per Run	0.3356 ppm	112.1186 %	111.9153 %	102.9375 %	138.6275 %	142.9788 %	138.2155 %
Concentration per Run	0.3397 ppm	111.9458 %	111.9428 %	103.0709 %	138.8654 %	145.9401 %	138.2208 %
Concentration per Run	0.3378 ppm	112.2582 %	111.8512 %	103.1043 %	139.5404 %	147.5492 %	138.4966 %
Concentration RSD	0.6 %	0.1 %	0.0 %	0.1 %	0.3 %	1.6 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-06d2 WG2112634

Analysis started at: 9/11/2025 9:52:41 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 36

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	107.1854 ppm	0.0219 ppm	0.0193 ppm	3.7295 ppm	0.0081 ppm	15.2375 ppm
Concentration per Run	0.0004 ppm	107.2881 ppm	0.0219 ppm	0.0199 ppm	3.7343 ppm	0.0081 ppm	15.2533 ppm
Concentration per Run	-0.0001 ppm	107.3615 ppm	0.0217 ppm	0.0195 ppm	3.7299 ppm	0.0082 ppm	15.3000 ppm
Concentration per Run	0.0005 ppm	106.9067 ppm	0.0222 ppm	0.0185 ppm	3.7244 ppm	0.0081 ppm	15.1592 ppm
Concentration RSD	125.4 %	0.2 %	1.2 %	3.8 %	0.1 %	0.3 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0010 ppm	0.1571 ppm	0.1837 ppm	0.0854 ppm	197.7496 ppm	14.2619 ppm	0.1509 ppm
Concentration per Run	0.0010 ppm	0.1569 ppm	0.1839 ppm	0.0854 ppm	197.9918 ppm	14.2708 ppm	0.1528 ppm
Concentration per Run	0.0009 ppm	0.1566 ppm	0.1828 ppm	0.0850 ppm	198.6524 ppm	14.2491 ppm	0.1512 ppm
Concentration per Run	0.0010 ppm	0.1578 ppm	0.1843 ppm	0.0858 ppm	196.6046 ppm	14.2657 ppm	0.1488 ppm
Concentration RSD	7.9 %	0.4 %	0.4 %	0.4 %	0.5 %	0.1 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	36.7212 ppm	22.2432 [SIC 80]	0.0007 ppm	1.7087 ppm	0.2218 ppm	0.1444 ppm	-0.0003 ppm
Concentration per Run	36.6176 ppm	22.2704 ppm	0.0011 ppm	1.7153 ppm	0.2218 ppm	0.1457 ppm	-0.0024 ppm
Concentration per Run	36.8867 ppm	22.2551 ppm	0.0007 ppm	1.7031 ppm	0.2217 ppm	0.1444 ppm	-0.0007 ppm
Concentration per Run	36.6592 ppm	22.2041 ppm	0.0003 ppm	1.7077 ppm	0.2220 ppm	0.1433 ppm	0.0022 ppm
Concentration RSD	0.4 %	0.2 %	57.6 %	0.4 %	0.1 %	0.8 %	794.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	1.1982 ppm	0.0096 ppm	0.1226 ppm	2.5378 ppm	-0.0030 ppm	0.3859 ppm
Concentration per Run	0.0023 ppm	1.2043 ppm	0.0100 ppm	0.1226 ppm	2.5315 ppm	-0.0044 ppm	0.3861 ppm
Concentration per Run	-0.0024 ppm	1.1908 ppm	0.0092 ppm	0.1229 ppm	2.5477 ppm	-0.0017 ppm	0.3862 ppm
Concentration per Run	0.0047 ppm	1.1995 ppm	0.0096 ppm	0.1224 ppm	2.5341 ppm	-0.0028 ppm	0.3853 ppm
Concentration RSD	234.6 %	0.6 %	4.2 %	0.2 %	0.3 %	47.3 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3908 ppm	104.0529 %	103.1246 %	96.5307 %	138.0242 %	140.9510 %	137.5394 %
Concentration per Run	0.3906 ppm	104.2888 %	103.2013 %	95.9772 %	138.4080 %	141.7391 %	137.0140 %
Concentration per Run	0.3903 ppm	104.0701 %	102.7234 %	96.9687 %	138.1299 %	138.9922 %	138.5154 %
Concentration per Run	0.3914 ppm	103.7998 %	103.4490 %	96.6461 %	137.5346 %	142.1217 %	137.0889 %
Concentration RSD	0.2 %	0.2 %	0.4 %	0.5 %	0.3 %	1.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-10d2 WG2112634

Analysis started at: 9/11/2025 9:54:47 PM

Comment: <Comment>

Rack Number 3

Vial Numbers 37

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0017 ppm	94.5566 ppm	0.0342 ppm	0.0172 ppm	0.5999 ppm	0.0050 ppm	14.5132 ppm
Concentration per Run	0.0014 ppm	94.7219 ppm	0.0329 ppm	0.0182 ppm	0.5990 ppm	0.0050 ppm	14.5424 ppm
Concentration per Run	0.0019 ppm	94.6592 ppm	0.0351 ppm	0.0169 ppm	0.6021 ppm	0.0050 ppm	14.5147 ppm
Concentration per Run	0.0019 ppm	94.2888 ppm	0.0347 ppm	0.0164 ppm	0.5985 ppm	0.0050 ppm	14.4824 ppm
Concentration RSD	17.0 %	0.2 %	3.4 %	5.4 %	0.3 %	0.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0014 ppm	0.1101 ppm	0.1594 ppm	0.2293 ppm	199.1841 ppm	4.6877 ppm	0.0753 ppm
Concentration per Run	0.0014 ppm	0.1093 ppm	0.1594 ppm	0.2288 ppm	198.4636 ppm	4.6726 ppm	0.0743 ppm
Concentration per Run	0.0013 ppm	0.1107 ppm	0.1589 ppm	0.2291 ppm	199.9422 ppm	4.7101 ppm	0.0771 ppm
Concentration per Run	0.0014 ppm	0.1103 ppm	0.1599 ppm	0.2301 ppm	199.1464 ppm	4.6805 ppm	0.0745 ppm
Concentration RSD	1.4 %	0.7 %	0.3 %	0.3 %	0.4 %	0.4 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.6151 ppm	5.9787 ppm	0.0031 ppm	0.7305 ppm	0.1166 ppm	0.1919 ppm	-0.0012 ppm
Concentration per Run	22.7628 ppm	5.9928 ppm	0.0027 ppm	0.7334 ppm	0.1162 ppm	0.1925 ppm	-0.0019 ppm
Concentration per Run	22.4457 ppm	5.9648 ppm	0.0036 ppm	0.7305 ppm	0.1160 ppm	0.1904 ppm	-0.0008 ppm
Concentration per Run	22.6368 ppm	5.9787 ppm	0.0030 ppm	0.7277 ppm	0.1176 ppm	0.1927 ppm	-0.0010 ppm
Concentration RSD	0.7 %	0.2 %	15.0 %	0.4 %	0.7 %	0.7 %	45.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	1.1457 ppm	0.0109 ppm	0.0877 ppm	3.0321 ppm	-0.0001 ppm	0.4889 ppm
Concentration per Run	0.0040 ppm	1.1449 ppm	0.0107 ppm	0.0877 ppm	3.0484 ppm	-0.0005 ppm	0.4889 ppm
Concentration per Run	0.0013 ppm	1.1415 ppm	0.0106 ppm	0.0877 ppm	3.0168 ppm	0.0004 ppm	0.4887 ppm
Concentration per Run	0.0067 ppm	1.1508 ppm	0.0114 ppm	0.0876 ppm	3.0311 ppm	-0.0003 ppm	0.4891 ppm
Concentration RSD	67.5 %	0.4 %	4.2 %	0.1 %	0.5 %	429.8 %	0.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3400 ppm	107.6739 %	107.4805 %	100.7363 %	129.0585 %	132.3701 %	129.2034 %
Concentration per Run	0.3402 ppm	106.7493 %	107.5212 %	100.7942 %	128.2927 %	132.4073 %	129.0667 %
Concentration per Run	0.3395 ppm	108.6350 %	107.6067 %	100.1122 %	129.4794 %	131.8328 %	128.2032 %
Concentration per Run	0.3403 ppm	107.6373 %	107.3136 %	101.3026 %	129.4035 %	132.8702 %	130.3405 %
Concentration RSD	0.1 %	0.9 %	0.1 %	0.6 %	0.5 %	0.4 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-11d2 WG2112634

Analysis started at: 9/11/2025 9:56:54 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 38

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	105.2599 ppm	0.0189 ppm	0.0159 ppm	0.8256 ppm	0.0085 ppm	14.0325 ppm
Concentration per Run	-0.0005 ppm	105.0429 ppm	0.0165 ppm	0.0163 ppm	0.8242 ppm	0.0085 ppm	13.9913 ppm
Concentration per Run	0.0003 ppm	105.1619 ppm	0.0161 ppm	0.0156 ppm	0.8269 ppm	0.0084 ppm	14.0466 ppm
Concentration per Run	-0.0002 ppm	105.5748 ppm	0.0180 ppm	0.0158 ppm	0.8256 ppm	0.0085 ppm	14.0597 ppm
Concentration RSD	303.0 %	0.3 %	6.0 %	2.2 %	0.2 %	0.6 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.1200 ppm	0.1880 ppm	0.1280 ppm	178.8210 ppm	11.6862 ppm	0.1084 ppm
Concentration per Run	0.0009 ppm	0.1201 ppm	0.1874 ppm	0.1281 ppm	178.9517 ppm	11.6843 ppm	0.1095 ppm
Concentration per Run	0.0010 ppm	0.1195 ppm	0.1879 ppm	0.1274 ppm	177.7880 ppm	11.6457 ppm	0.1073 ppm
Concentration per Run	0.0009 ppm	0.1203 ppm	0.1887 ppm	0.1285 ppm	179.7234 ppm	11.7286 ppm	0.1083 ppm
Concentration RSD	5.4 %	0.3 %	0.4 %	0.4 %	0.5 %	0.4 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	30.9077 ppm	5.6944 ppm	0.0016 ppm	2.5696 ppm	0.1597 ppm	0.1088 ppm	-0.0033 ppm
Concentration per Run	30.8518 ppm	5.6849 ppm	0.0017 ppm	2.5595 ppm	0.1596 ppm	0.1084 ppm	-0.0011 ppm
Concentration per Run	30.8356 ppm	5.6891 ppm	0.0018 ppm	2.5874 ppm	0.1590 ppm	0.1097 ppm	-0.0034 ppm
Concentration per Run	31.0357 ppm	5.7093 ppm	0.0012 ppm	2.5621 ppm	0.1604 ppm	0.1084 ppm	-0.0054 ppm
Concentration RSD	0.4 %	0.2 %	19.5 %	0.6 %	0.4 %	0.7 %	64.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	1.1016 ppm	0.0088 ppm	0.1059 ppm	2.5475 ppm	-0.0013 ppm	0.3117 ppm
Concentration per Run	0.0015 ppm	1.0881 ppm	0.0080 ppm	0.1063 ppm	2.5393 ppm	-0.0012 ppm	0.3107 ppm
Concentration per Run	0.0017 ppm	1.1049 ppm	0.0101 ppm	0.1054 ppm	2.5445 ppm	-0.0023 ppm	0.3116 ppm
Concentration per Run	0.0024 ppm	1.1116 ppm	0.0084 ppm	0.1060 ppm	2.5588 ppm	-0.0003 ppm	0.3128 ppm
Concentration RSD	25.9 %	1.1 %	12.5 %	0.4 %	0.4 %	77.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3153 ppm	106.6999 %	106.9057 %	99.0014 %	136.3754 %	142.1689 %	135.4897 %
Concentration per Run	0.3149 ppm	106.5268 %	107.3300 %	99.0712 %	135.8187 %	142.4619 %	135.6641 %
Concentration per Run	0.3152 ppm	106.8261 %	106.6650 %	99.0694 %	136.3032 %	143.0950 %	135.3062 %
Concentration per Run	0.3157 ppm	106.7468 %	106.7220 %	98.8636 %	137.0042 %	140.9497 %	135.4988 %
Concentration RSD	0.1 %	0.1 %	0.3 %	0.1 %	0.4 %	0.8 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-14d2 WG2112634

Analysis started at: 9/11/2025 9:59:00 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 39

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	143.7223 ppm	0.0292 ppm	0.0104 ppm	0.7258 ppm	0.0070 ppm	11.7737 ppm
Concentration per Run	0.0025 ppm	143.0315 ppm	0.0300 ppm	0.0093 ppm	0.7230 ppm	0.0070 ppm	11.6773 ppm
Concentration per Run	0.0010 ppm	144.4385 ppm	0.0288 ppm	0.0122 ppm	0.7296 ppm	0.0070 ppm	11.8586 ppm
Concentration per Run	0.0024 ppm	143.6970 ppm	0.0287 ppm	0.0097 ppm	0.7248 ppm	0.0068 ppm	11.7851 ppm
Concentration RSD	41.6 %	0.5 %	2.6 %	15.1 %	0.5 %	1.6 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.1655 ppm	0.1741 ppm	0.1555 ppm	301.3735 ppm	10.7185 ppm	0.1036 ppm
Concentration per Run	0.0009 ppm	0.1654 ppm	0.1739 ppm	0.1551 ppm	298.2193 ppm	10.6581 ppm	0.1012 ppm
Concentration per Run	0.0007 ppm	0.1648 ppm	0.1739 ppm	0.1549 ppm	302.3751 ppm	10.7741 ppm	0.1068 ppm
Concentration per Run	0.0011 ppm	0.1661 ppm	0.1747 ppm	0.1566 ppm	303.5263 ppm	10.7234 ppm	0.1028 ppm
Concentration RSD	22.1 %	0.4 %	0.3 %	0.6 %	0.9 %	0.5 %	2.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	24.6547 ppm	5.8119 ppm	0.0011 ppm	19.9926 ppm	0.1268 ppm	0.0886 ppm	-0.0013 ppm
Concentration per Run	24.5019 ppm	5.7877 ppm	0.0008 ppm	20.0199 ppm	0.1253 ppm	0.0884 ppm	0.0012 ppm
Concentration per Run	24.9024 ppm	5.8448 ppm	0.0013 ppm	20.2384 ppm	0.1282 ppm	0.0886 ppm	-0.0023 ppm
Concentration per Run	24.5599 ppm	5.8031 ppm	0.0013 ppm	19.7196 ppm	0.1267 ppm	0.0889 ppm	-0.0027 ppm
Concentration RSD	0.9 %	0.5 %	28.0 %	1.3 %	1.2 %	0.3 %	167.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0026 ppm	1.0605 ppm	0.0097 ppm	0.0876 ppm	4.2293 ppm	0.0004 ppm	1.0330 ppm
Concentration per Run	-0.0001 ppm	1.0566 ppm	0.0096 ppm	0.0873 ppm	4.1964 ppm	0.0001 ppm	1.0294 ppm
Concentration per Run	0.0044 ppm	1.0625 ppm	0.0097 ppm	0.0883 ppm	4.2788 ppm	0.0007 ppm	1.0356 ppm
Concentration per Run	0.0033 ppm	1.0625 ppm	0.0097 ppm	0.0872 ppm	4.2128 ppm	0.0005 ppm	1.0340 ppm
Concentration RSD	91.2 %	0.3 %	0.8 %	0.7 %	1.0 %	76.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3604 ppm	122.1156 %	122.4852 %	111.2071 %	144.3908 %	150.8061 %	144.7048 %
Concentration per Run	0.3596 ppm	122.8588 %	124.2229 %	111.6867 %	145.0255 %	153.9291 %	145.5600 %
Concentration per Run	0.3617 ppm	121.9245 %	120.8555 %	111.4778 %	144.6030 %	151.2949 %	144.3303 %
Concentration per Run	0.3600 ppm	121.5634 %	122.3772 %	110.4568 %	143.5438 %	147.1942 %	144.2242 %
Concentration RSD	0.3 %	0.5 %	1.4 %	0.6 %	0.5 %	2.3 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 10:01:52 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

<Comment>

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4991 ppm	0.4827 ppm	0.4776 ppm	0.4617 ppm	0.4870 ppm	0.5024 ppm	0.4824 ppm
Concentration per Run	0.4983 ppm	0.4786 ppm	0.4771 ppm	0.4588 ppm	0.4881 ppm	0.5013 ppm	0.4835 ppm
Concentration per Run	0.4993 ppm	0.4809 ppm	0.4798 ppm	0.4640 ppm	0.4860 ppm	0.5034 ppm	0.4843 ppm
Concentration per Run	0.4997 ppm	0.4886 ppm	0.4760 ppm	0.4623 ppm	0.4868 ppm	0.5024 ppm	0.4795 ppm
Recovery Percentage	99.825 %	96.544 %	95.524 %	92.340 %	97.392 %	100.473 %	96.487 %
Concentration RSD	0.1 %	1.1 %	0.4 %	0.6 %	0.2 %	0.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4994 ppm	0.5000 ppm	0.5041 ppm	0.5170 ppm	0.4969 ppm	5.0726 ppm	0.5086 ppm
Concentration per Run	0.4991 ppm	0.5025 ppm	0.5023 ppm	0.5168 ppm	0.4945 ppm	5.0926 ppm	0.5042 ppm
Concentration per Run	0.5011 ppm	0.4979 ppm	0.5044 ppm	0.5166 ppm	0.4993 ppm	5.0959 ppm	0.5104 ppm
Concentration per Run	0.4981 ppm	0.4995 ppm	0.5056 ppm	0.5176 ppm	0.4969 ppm	5.0293 ppm	0.5113 ppm
Recovery Percentage	99.885 %	99.994 %	100.816 %	103.394 %	99.378 %	101.452 %	101.726 %
Concentration RSD	0.3 %	0.5 %	0.3 %	0.1 %	0.5 %	0.7 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5157 ppm	0.4935 ppm	0.4721 ppm	9.9650 ppm	0.5046 ppm	0.5048 ppm	0.5014 ppm
Concentration per Run	0.5124 ppm	0.4946 ppm	0.4713 ppm	10.0456 ppm	0.5025 ppm	0.5050 ppm	0.5051 ppm
Concentration per Run	0.5181 ppm	0.4933 ppm	0.4730 ppm	9.9146 ppm	0.5034 ppm	0.5046 ppm	0.4988 ppm
Concentration per Run	0.5167 ppm	0.4926 ppm	0.4719 ppm	9.9347 ppm	0.5052 ppm	0.5072 ppm	0.5002 ppm
Recovery Percentage	103.142 %	98.698 %	94.414 %	99.650 %	100.911 %	100.958 %	100.270 %
Concentration RSD	0.6 %	0.2 %	0.2 %	0.7 %	0.2 %	0.5 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4721 ppm	5.3489 ppm	0.4841 ppm	0.5020 ppm	0.5023 ppm	0.4811 ppm	0.5108 ppm
Concentration per Run	0.4725 ppm	5.3373 ppm	0.4875 ppm	0.5028 ppm	0.5011 ppm	0.4820 ppm	0.5104 ppm
Concentration per Run	0.4748 ppm	5.3607 ppm	0.4865 ppm	0.5008 ppm	0.5029 ppm	0.4814 ppm	0.5103 ppm
Concentration per Run	0.4691 ppm	5.3486 ppm	0.4784 ppm	0.5025 ppm	0.5028 ppm	0.4799 ppm	0.5116 ppm
Recovery Percentage	94.426 %	101.883 %	96.827 %	100.406 %	100.459 %	96.220 %	102.153 %
Concentration RSD	0.6 %	0.2 %	1.0 %	0.2 %	0.2 %	0.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4724 ppm	99.5345 %	96.9471 %	96.5798 %	97.6747 %	96.9367 %	95.6545 %
Concentration per Run	0.4713 ppm	99.5982 %	96.6218 %	96.5433 %	97.4681 %	98.2378 %	95.2817 %
Concentration per Run	0.4738 ppm	99.1517 %	97.0036 %	96.8616 %	97.5720 %	96.0997 %	95.8836 %
Concentration per Run	0.4720 ppm	99.8538 %	97.2161 %	96.3346 %	97.9839 %	96.4727 %	95.7981 %
Recovery Percentage	94.473 %						
Concentration RSD	0.3 %	0.4 %	0.3 %	0.3 %	0.3 %	1.2 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 10:03:59 PM

Analysis started at: 9/11/2025 10:03:59 PM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0037 ppm	0.0008 ppm	0.0010 ppm	-0.0001 ppm	0.0000 ppm	-0.0064 ppm
Concentration per Run	-0.0005 ppm	-0.0005 ppm	0.0008 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0035 ppm
Concentration per Run	-0.0006 ppm	-0.0091 ppm	0.0009 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0048 ppm
Concentration per Run	-0.0005 ppm	-0.0015 ppm	0.0007 ppm	0.0018 ppm	-0.0002 ppm	0.0000 ppm	-0.0109 ppm
Recovery Percentage	-7.698 %	-3.719 %	15.641 %	3.451 %	-0.952 %	0.817 %	-6.411 %
Concentration RSD	10.3 %	125.5 %	11.1 %	91.9 %	134.2 %	21.4 %	60.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0005 ppm	0.0001 ppm	-0.0003 ppm	0.0014 ppm	-0.0278 ppm	0.0011 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	-0.0001 ppm	-0.0003 ppm	0.0006 ppm	-0.0219 ppm	0.0021 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0014 ppm	-0.0221 ppm	0.0015 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0002 ppm	-0.0006 ppm	0.0021 ppm	-0.0394 ppm	-0.0003 ppm
Recovery Percentage	1.310 %	2.699 %	1.080 %	-3.000 %	2.751 %	-1.113 %	22.257 %
Concentration RSD	27.9 %	27.3 %	186.5 %	100.1 %	54.1 %	36.2 %	112.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0032 ppm	-0.0002 ppm	0.0000 ppm	-0.0077 ppm	-0.0005 ppm	0.0005 ppm	-0.0005 ppm
Concentration per Run	-0.0028 ppm	-0.0001 ppm	-0.0005 ppm	-0.0004 ppm	0.0008 ppm	0.0024 ppm	0.0003 ppm
Concentration per Run	-0.0039 ppm	-0.0002 ppm	0.0003 ppm	-0.0085 ppm	-0.0016 ppm	-0.0013 ppm	-0.0013 ppm
Concentration per Run	-0.0028 ppm	-0.0003 ppm	0.0003 ppm	-0.0143 ppm	-0.0007 ppm	0.0009 ppm	-0.0027 ppm
Recovery Percentage	-3.163 %	-1.899 %	0.040 %	-0.386 %	-2.002 %	4.723 %	-1.068 %
Concentration RSD	19.2 %	53.6 %	2.413.3 %	90.2 %	241.4 %	146.8 %	500.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	-0.0024 ppm	0.0005 ppm	0.0000 ppm	-0.0010 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	-0.0018 ppm	-0.0021 ppm	0.0000 ppm	0.0000 ppm	-0.0013 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0031 ppm	-0.0029 ppm	0.0003 ppm	0.0000 ppm	-0.0007 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0030 ppm	-0.0022 ppm	0.0011 ppm	-0.0001 ppm	-0.0010 ppm	0.0006 ppm	-0.0005 ppm
Recovery Percentage	14.226 %	-0.485 %	0.932 %	-0.456 %	-9.817 %	3.128 %	-2.378 %
Concentration RSD	196.2 %	18.7 %	130.7 %	149.0 %	28.9 %	48.7 %	107.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	98.2233 %	95.6580 %	96.9631 %	98.8220 %	97.5934 %	97.2485 %
Concentration per Run	0.0002 ppm	98.4566 %	95.9054 %	97.4865 %	98.6499 %	98.0617 %	97.9074 %
Concentration per Run	0.0001 ppm	97.7193 %	96.2564 %	97.1864 %	97.9049 %	96.8449 %	96.4532 %
Concentration per Run	0.0002 ppm	98.4941 %	95.8821 %	97.1463 %	99.9110 %	97.8735 %	97.3850 %
Recovery Percentage	3.451 %						
Concentration RSD	30.2 %	0.4 %	0.4 %	0.7 %	1.0 %	0.7 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2111279-1 WG2111279

Analysis started at: 9/11/2025 10:14:22 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 40

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	0.0114 ppm	0.0003 ppm	-0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0197 ppm
Concentration per Run	-0.0007 ppm	0.0039 ppm	0.0006 ppm	-0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0171 ppm
Concentration per Run	-0.0007 ppm	0.0236 ppm	0.0008 ppm	-0.0011 ppm	0.0002 ppm	0.0001 ppm	0.0238 ppm
Concentration per Run	-0.0011 ppm	0.0068 ppm	-0.0005 ppm	-0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0181 ppm
Concentration RSD	26.8 %	93.2 %	238.7 %	24.5 %	49.7 %	27.0 %	18.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0005 ppm	0.0005 ppm	0.0001 ppm	0.0370 ppm	-0.0075 ppm	0.0019 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0007 ppm	0.0005 ppm	0.0380 ppm	0.0033 ppm	0.0033 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0008 ppm	0.0001 ppm	0.0377 ppm	-0.0299 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0354 ppm	-0.0263 ppm	0.0012 ppm
Concentration RSD	258.7 %	43.8 %	47.5 %	24.2 %	3.9 %	478.5 %	61.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0051 ppm	0.0002 ppm	0.0000 ppm	0.0958 ppm	-0.0006 ppm	0.0011 ppm	-0.0003 ppm
Concentration per Run	0.0054 ppm	0.0001 ppm	0.0001 ppm	0.0977 ppm	0.0003 ppm	0.0014 ppm	-0.0010 ppm
Concentration per Run	0.0054 ppm	0.0004 ppm	-0.0001 ppm	0.0981 ppm	-0.0006 ppm	0.0017 ppm	0.0010 ppm
Concentration per Run	0.0046 ppm	0.0001 ppm	-0.0002 ppm	0.0918 ppm	-0.0015 ppm	0.0002 ppm	-0.0010 ppm
Concentration RSD	8.4 %	77.8 %	345.0 %	3.7 %	149.3 %	71.2 %	325.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0008 ppm	0.0159 ppm	0.0102 ppm	0.0000 ppm	-0.0006 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	-0.0008 ppm	0.0159 ppm	0.0108 ppm	0.0000 ppm	-0.0003 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0021 ppm	0.0141 ppm	0.0096 ppm	0.0000 ppm	-0.0007 ppm	0.0009 ppm	-0.0004 ppm
Concentration per Run	0.0011 ppm	0.0177 ppm	0.0103 ppm	0.0001 ppm	-0.0006 ppm	-0.0002 ppm	-0.0002 ppm
Concentration RSD	185.1 %	11.5 %	6.3 %	269.5 %	36.3 %	137.9 %	69.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	98.5241 %	96.0513 %	95.8662 %	98.3829 %	95.9737 %	96.5169 %
Concentration per Run	0.0007 ppm	98.5924 %	96.3485 %	95.7662 %	97.9630 %	96.1147 %	96.4211 %
Concentration per Run	0.0007 ppm	98.7552 %	95.9358 %	95.7552 %	99.3784 %	96.5154 %	96.6819 %
Concentration per Run	0.0009 ppm	98.2248 %	95.6596 %	95.8966 %	97.8074 %	95.2911 %	96.4478 %
Concentration RSD	12.7 %	0.3 %	0.4 %	0.1 %	0.9 %	0.7 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2111279-2d2 WG2111279

Analysis started at: 9/11/2025 10:16:40 PM

Comment: <Comment>

Rack Number 3

Vial Numbers 41

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.3156 ppm	17.2105 ppm	0.7366 ppm	0.7044 ppm	0.8301 ppm	0.6651 ppm	16.9784 ppm
Concentration per Run	0.3173 ppm	17.1972 ppm	0.7361 ppm	0.7084 ppm	0.8292 ppm	0.6656 ppm	17.0051 ppm
Concentration per Run	0.3152 ppm	17.2485 ppm	0.7386 ppm	0.7028 ppm	0.8335 ppm	0.6670 ppm	17.0076 ppm
Concentration per Run	0.3144 ppm	17.1859 ppm	0.7350 ppm	0.7020 ppm	0.8275 ppm	0.6627 ppm	16.9224 ppm
Concentration RSD	0.5 %	0.2 %	0.3 %	0.5 %	0.4 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5200 ppm	1.0148 ppm	0.6684 ppm	0.3937 ppm	19.5818 ppm	5.8595 ppm	0.3933 ppm
Concentration per Run	0.5220 ppm	1.0135 ppm	0.6689 ppm	0.3942 ppm	19.5249 ppm	5.8891 ppm	0.3969 ppm
Concentration per Run	0.5193 ppm	1.0182 ppm	0.6678 ppm	0.3937 ppm	19.6738 ppm	5.8639 ppm	0.3938 ppm
Concentration per Run	0.5188 ppm	1.0129 ppm	0.6686 ppm	0.3932 ppm	19.5468 ppm	5.8254 ppm	0.3891 ppm
Concentration RSD	0.3 %	0.3 %	0.1 %	0.1 %	0.4 %	0.5 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.6356 ppm	1.6450 ppm	0.5902 ppm	7.9700 ppm	0.6507 ppm	0.5832 ppm	0.4602 ppm
Concentration per Run	6.6980 ppm	1.6465 ppm	0.5909 ppm	7.9327 ppm	0.6514 ppm	0.5841 ppm	0.4691 ppm
Concentration per Run	6.5966 ppm	1.6477 ppm	0.5910 ppm	7.9663 ppm	0.6521 ppm	0.5818 ppm	0.4555 ppm
Concentration per Run	6.6124 ppm	1.6409 ppm	0.5886 ppm	8.0109 ppm	0.6486 ppm	0.5837 ppm	0.4561 ppm
Concentration RSD	0.8 %	0.2 %	0.2 %	0.5 %	0.3 %	0.2 %	1.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.3787 ppm	13.2659 ppm	0.3818 ppm	0.8425 ppm	1.3142 ppm	0.7398 ppm	0.6777 ppm
Concentration per Run	0.3765 ppm	13.3588 ppm	0.3808 ppm	0.8432 ppm	1.3245 ppm	0.7423 ppm	0.6787 ppm
Concentration per Run	0.3792 ppm	13.2543 ppm	0.3828 ppm	0.8460 ppm	1.3052 ppm	0.7355 ppm	0.6767 ppm
Concentration per Run	0.3803 ppm	13.1846 ppm	0.3819 ppm	0.8383 ppm	1.3129 ppm	0.7417 ppm	0.6776 ppm
Concentration RSD	0.5 %	0.7 %	0.3 %	0.5 %	0.7 %	0.5 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.1741 ppm	97.9502 %		94.5812 %	100.6261 %	101.6166 %	99.8217 %
Concentration per Run	1.1773 ppm	97.5666 %		94.8783 %	100.6139 %	101.4409 %	100.3111 %
Concentration per Run	1.1747 ppm	97.8474 %		96.8955 %	100.2232 %	101.0546 %	99.7827 %
Concentration per Run	1.1704 ppm	98.4368 %		94.1745 %	101.0411 %	102.3543 %	99.3713 %
Concentration RSD	0.3 %	0.5 %		0.4 %	0.4 %	0.7 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: WG2111279-3d2 WG2111279

Analysis started at: 9/11/2025 10:20:14 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 42

	Ag 328.068	Axial-IFR)	Al 396.152	Radial-IFR)	As 189.042	Axial-eUV)	B 208.959	Axial-IFR)	Ba 455.403	Radial-IFR)	Be 313.042	Radial-IFR)	Ca 315.887	Radial-IFR)
Concentration average	0.3185 ppm		17.6308 ppm		0.7414 ppm		0.7059 ppm		0.9853 ppm		0.6712 ppm		17.0328 ppm	
Concentration per Run	0.3179 ppm		17.6266 ppm		0.7397 ppm		0.7028 ppm		0.9811 ppm		0.6706 ppm		16.9482 ppm	
Concentration per Run	0.3185 ppm		17.6340 ppm		0.7435 ppm		0.7088 ppm		0.9879 ppm		0.6715 ppm		17.0821 ppm	
Concentration per Run	0.3191 ppm		17.6318 ppm		0.7412 ppm		0.7061 ppm		0.9870 ppm		0.6715 ppm		17.0680 ppm	
Concentration RSD	0.2 %		0.0 %		0.3 %		0.4 %		0.4 %		0.1 %		0.4 %	

	Cd 214.438	Axial-IFR)	Co 228.616	Axial-IFR)	Cr 267.716	Axial-IFR)	Cu 324.754	Axial-IFR)	Fe 259.940	Radial-IFR)	K 766.490	Radial-IFR)	Li 670.776	Radial-IFR)
Concentration average	0.4920 ppm		1.0217 ppm		0.6866 ppm		0.3974 ppm		20.2086 ppm		5.8893 ppm		0.3987 ppm	
Concentration per Run	0.4909 ppm		1.0199 ppm		0.6850 ppm		0.3972 ppm		20.2032 ppm		5.8559 ppm		0.3961 ppm	
Concentration per Run	0.4931 ppm		1.0230 ppm		0.6893 ppm		0.3980 ppm		20.2155 ppm		5.9075 ppm		0.4003 ppm	
Concentration per Run	0.4920 ppm		1.0223 ppm		0.6856 ppm		0.3969 ppm		20.2071 ppm		5.9043 ppm		0.3996 ppm	
Concentration RSD	0.2 %		0.2 %		0.3 %		0.1 %		0.0 %		0.5 %		0.6 %	

	Mg 279.079	Axial-IFR)	Mn 257.610	Radial-IFR)	Mo 202.030	Axial-IFR)	Na 589.592	Radial-IFR)	Ni 231.604	Axial-IFR)	Pb 220.353	Axial-eUV)	Sb 206.833	Axial-IFR)
Concentration average	6.6599 ppm		1.6181 ppm		0.5928 ppm		7.9770 ppm		0.6595 ppm		0.5806 ppm		0.4606 ppm	
Concentration per Run	6.6291 ppm		1.6085 ppm		0.5905 ppm		8.0006 ppm		0.6587 ppm		0.5813 ppm		0.4604 ppm	
Concentration per Run	6.6728 ppm		1.6276 ppm		0.5949 ppm		7.9570 ppm		0.6822 ppm		0.5818 ppm		0.4606 ppm	
Concentration per Run	6.6779 ppm		1.6181 ppm		0.5929 ppm		7.9734 ppm		0.6576 ppm		0.5789 ppm		0.4608 ppm	
Concentration RSD	0.4 %		0.6 %		0.4 %		0.3 %		0.4 %		0.3 %		0.0 %	

	Se 196.090	Axial-eUV)	Si 212.412	Axial-IFR)	Sn 189.989	Axial-IFR)	Sr 421.552	Radial-IFR)	Ti 334.904	Axial-IFR)	Tl 190.856	Axial-eUV)	V 292.402	Axial-IFR)
Concentration average	0.3890 ppm		12.9691 ppm		0.9238 ppm		0.9201 ppm		1.3074 ppm		0.6928 ppm		0.6914 ppm	
Concentration per Run	0.3879 ppm		12.9216 ppm		0.9216 ppm		0.9201 ppm		1.2975 ppm		0.6900 ppm		0.6888 ppm	
Concentration per Run	0.3885 ppm		12.9971 ppm		0.9254 ppm		0.9258 ppm		1.3088 ppm		0.6946 ppm		0.6920 ppm	
Concentration per Run	0.3907 ppm		12.9887 ppm		0.9258 ppm		0.9258 ppm		1.3159 ppm		0.6938 ppm		0.6933 ppm	
Concentration RSD	0.4 %		0.3 %		0.6 %		0.3 %		0.7 %		0.4 %		0.3 %	

	Zn 206.200	Axial-IFR)	Sc 361.384	Radial-IFR)	Sc 361.384	Radial-IFR)	Sc 227.318	Axial-eUV)	Y 360.073	Axial-IFR)	Y 371.030	Radial-IFR)	Y 224.306	Axial-eUV)
Concentration average	1.1771 ppm		99.0588 %		96.7835 %		94.6206 %		102.1615 %		101.7784 %		100.5431 %	
Concentration per Run	1.1765 ppm		99.3727 %		96.3360 %		94.4443 %		102.3279 %		101.8217 %		100.6112 %	
Concentration per Run	1.1824 ppm		98.4204 %		97.2528 %		94.9741 %		101.5358 %		102.0271 %		100.8540 %	
Concentration per Run	1.1724 ppm		99.3832 %		96.7617 %		94.4433 %		102.6208 %		101.4863 %		100.1641 %	
Concentration RSD	0.4 %		0.6 %		0.5 %		0.3 %		0.5 %		0.3 %		0.3 %	

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-01d2 WG2111279

Analysis started at: 9/11/2025 10:22:21 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 43

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	70.3027 ppm	0.0538 ppm	0.0022 ppm	0.2246 ppm	0.0032 ppm	12.8754 ppm
Concentration per Run	-0.0003 ppm	70.1661 ppm	0.0518 ppm	0.0033 ppm	0.2239 ppm	0.0032 ppm	12.8837 ppm
Concentration per Run	-0.0005 ppm	70.5603 ppm	0.0558 ppm	0.0016 ppm	0.2257 ppm	0.0033 ppm	12.8987 ppm
Concentration per Run	-0.0002 ppm	70.1816 ppm	0.0538 ppm	0.0015 ppm	0.2243 ppm	0.0031 ppm	12.8439 ppm
Concentration RSD	48.1 %	0.3 %	3.7 %	47.2 %	0.4 %	2.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0334 ppm	0.1067 ppm	0.1186 ppm	88.3049 ppm	9.7715 ppm	0.1321 ppm
Concentration per Run	0.0006 ppm	0.0331 ppm	0.1078 ppm	0.1182 ppm	88.1169 ppm	9.7697 ppm	0.1335 ppm
Concentration per Run	0.0006 ppm	0.0333 ppm	0.1065 ppm	0.1186 ppm	88.2568 ppm	9.7948 ppm	0.1319 ppm
Concentration per Run	0.0006 ppm	0.0337 ppm	0.1059 ppm	0.1189 ppm	88.5409 ppm	9.7499 ppm	0.1308 ppm
Concentration RSD	5.6 %	0.8 %	0.9 %	0.3 %	0.2 %	0.2 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.7077 ppm	1.4640 ppm	0.0024 ppm	0.6989 ppm	0.0718 ppm	0.1040 ppm	-0.0014 ppm
Concentration per Run	22.7928 ppm	1.4607 ppm	0.0029 ppm	0.7001 ppm	0.0724 ppm	0.1058 ppm	-0.0025 ppm
Concentration per Run	22.7574 ppm	1.4692 ppm	0.0021 ppm	0.7021 ppm	0.0716 ppm	0.1037 ppm	-0.0013 ppm
Concentration per Run	22.5729 ppm	1.4620 ppm	0.0023 ppm	0.6946 ppm	0.0716 ppm	0.1026 ppm	-0.0005 ppm
Concentration RSD	0.5 %	0.3 %	18.2 %	0.6 %	0.7 %	1.6 %	70.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0024 ppm	11.2287 ppm	0.0098 ppm	0.0376 ppm	3.5650 ppm	0.0014 ppm	0.1380 ppm
Concentration per Run	0.0019 ppm	11.2380 ppm	0.0098 ppm	0.0379 ppm	3.5657 ppm	0.0004 ppm	0.1379 ppm
Concentration per Run	-0.0002 ppm	11.2925 ppm	0.0101 ppm	0.0375 ppm	3.5795 ppm	0.0011 ppm	0.1382 ppm
Concentration per Run	0.0054 ppm	11.1555 ppm	0.0095 ppm	0.0375 ppm	3.5498 ppm	0.0027 ppm	0.1378 ppm
Concentration RSD	119.8 %	0.6 %	2.9 %	0.6 %	0.4 %	85.3 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1862 ppm	98.9494 %	98.5430 %	93.7631 %	108.3881 %	110.3176 %	107.9633 %
Concentration per Run	0.1851 ppm	98.8414 %	99.2948 %	93.8832 %	108.3794 %	110.7189 %	108.1113 %
Concentration per Run	0.1866 ppm	99.1916 %	97.7525 %	94.2087 %	108.5859 %	110.0238 %	108.4544 %
Concentration per Run	0.1870 ppm	98.8152 %	98.5817 %	93.1973 %	108.1988 %	110.2101 %	107.3244 %
Concentration RSD	0.5 %	0.2 %	0.8 %	0.6 %	0.2 %	0.3 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-03d2 WG2111279

Analysis started at: 9/11/2025 10:24:27 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 44

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	65.7560 ppm	0.0490 ppm	0.0019 ppm	0.2293 ppm	0.0031 ppm	10.6571 ppm
Concentration per Run	-0.0002 ppm	65.7272 ppm	0.0524 ppm	0.0019 ppm	0.2285 ppm	0.0031 ppm	10.6440 ppm
Concentration per Run	-0.0008 ppm	65.6893 ppm	0.0471 ppm	0.0016 ppm	0.2281 ppm	0.0031 ppm	10.6553 ppm
Concentration per Run	-0.0011 ppm	65.8514 ppm	0.0476 ppm	0.0022 ppm	0.2312 ppm	0.0031 ppm	10.6721 ppm
Concentration RSD	70.4 %	0.1 %	6.0 %	16.0 %	0.7 %	0.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0422 ppm	0.0429 ppm	0.1051 ppm	0.0967 ppm	10.9584 ppm	0.1261 ppm
Concentration per Run	0.0004 ppm	0.0429 ppm	0.0429 ppm	0.1056 ppm	0.0966 ppm	10.8910 ppm	0.1249 ppm
Concentration per Run	0.0004 ppm	0.0423 ppm	0.0423 ppm	0.1051 ppm	0.0969 ppm	10.9340 ppm	0.1249 ppm
Concentration per Run	0.0003 ppm	0.0414 ppm	0.0414 ppm	0.1045 ppm	0.0968 ppm	11.0503 ppm	0.1286 ppm
Concentration RSD	13.6 %	1.8 %	1.8 %	0.5 %	0.1 %	0.8 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.1980 ppm	1.4118 ppm	0.0026 ppm	0.6626 ppm	0.0759 ppm	0.0991 ppm	-0.0002 ppm
Concentration per Run	21.8215 ppm	1.4094 ppm	0.0027 ppm	0.6680 ppm	0.0764 ppm	0.0993 ppm	-0.0043 ppm
Concentration per Run	22.3573 ppm	1.4084 ppm	0.0027 ppm	0.6641 ppm	0.0762 ppm	0.0999 ppm	-0.0018 ppm
Concentration per Run	22.4153 ppm	1.4206 ppm	0.0022 ppm	0.6558 ppm	0.0751 ppm	0.0981 ppm	0.0055 ppm
Concentration RSD	1.5 %	0.6 %	11.0 %	0.9 %	0.9 %	0.9 %	3.016.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	9.3328 ppm	0.0080 ppm	0.0328 ppm	3.3279 ppm	0.0016 ppm	0.1236 ppm
Concentration per Run	-0.0035 ppm	9.2691 ppm	0.0075 ppm	0.0329 ppm	3.2693 ppm	0.0028 ppm	0.1222 ppm
Concentration per Run	-0.0007 ppm	9.3811 ppm	0.0078 ppm	0.0326 ppm	3.3583 ppm	0.0016 ppm	0.1247 ppm
Concentration per Run	0.0042 ppm	9.3480 ppm	0.0088 ppm	0.0329 ppm	3.3561 ppm	0.0005 ppm	0.1239 ppm
Concentration RSD	111,210.0 %	0.6 %	8.3 %	0.6 %	1.5 %	71.2 %	1.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1899 ppm	99.0945 %	99.0420 %	94.8443 %	106.6755 %	108.3410 %	106.9264 %
Concentration per Run	0.1892 ppm	99.0726 %	99.0018 %	94.0472 %	106.0059 %	109.2061 %	105.9920 %
Concentration per Run	0.1906 ppm	99.7239 %	99.7234 %	95.2765 %	107.2230 %	109.2623 %	107.5587 %
Concentration per Run	0.1897 ppm	98.9870 %	98.4009 %	95.2092 %	106.7976 %	106.5547 %	107.2286 %
Concentration RSD	0.4 %	0.1 %	0.7 %	0.7 %	0.6 %	1.4 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-05d2 WG2111279

Analysis started at: 9/11/2025 10:26:33 PM

Comment <Comment>

Rack Number 3

Vial Numbers 45

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	67.3969 ppm	0.0481 ppm	0.0015 ppm	0.2063 ppm	0.0031 ppm	12.3858 ppm
Concentration per Run	-0.0009 ppm	67.5119 ppm	0.0479 ppm	0.0017 ppm	0.2066 ppm	0.0031 ppm	12.3718 ppm
Concentration per Run	-0.0008 ppm	67.4212 ppm	0.0484 ppm	0.0013 ppm	0.2065 ppm	0.0032 ppm	12.4335 ppm
Concentration per Run	0.0001 ppm	67.2576 ppm	0.0480 ppm	0.0015 ppm	0.2059 ppm	0.0031 ppm	12.3522 ppm
Concentration RSD	102.8 %	0.2 %	0.5 %	13.8 %	0.2 %	1.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0360 ppm	0.0910 ppm	0.0858 ppm	88.9710 ppm	9.4895 ppm	0.1372 ppm
Concentration per Run	0.0006 ppm	0.0361 ppm	0.0908 ppm	0.0860 ppm	89.4466 ppm	9.4762 ppm	0.1400 ppm
Concentration per Run	0.0003 ppm	0.0359 ppm	0.0913 ppm	0.0855 ppm	88.9792 ppm	9.5279 ppm	0.1353 ppm
Concentration per Run	0.0003 ppm	0.0361 ppm	0.0909 ppm	0.0858 ppm	88.4873 ppm	9.4642 ppm	0.1363 ppm
Concentration RSD	48.9 %	0.3 %	0.3 %	0.3 %	0.5 %	0.4 %	1.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	24.1343 ppm	1.7455 ppm	0.0022 ppm	0.4843 ppm	0.0613 ppm	0.2183 ppm	0.0010 ppm
Concentration per Run	23.8159 ppm	1.7505 ppm	0.0019 ppm	0.4867 ppm	0.0613 ppm	0.2183 ppm	-0.0006 ppm
Concentration per Run	24.3906 ppm	1.7402 ppm	0.0019 ppm	0.4789 ppm	0.0618 ppm	0.2183 ppm	0.0020 ppm
Concentration per Run	24.1964 ppm	1.7459 ppm	0.0027 ppm	0.4874 ppm	0.0608 ppm	0.2183 ppm	0.0016 ppm
Concentration RSD	1.2 %	0.3 %	19.9 %	1.0 %	0.7 %	0.0 %	141.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	8.8381 ppm	0.0081 ppm	0.0325 ppm	3.5157 ppm	-0.0004 ppm	0.1394 ppm
Concentration per Run	0.0013 ppm	8.8122 ppm	0.0083 ppm	0.0326 ppm	3.4696 ppm	-0.0003 ppm	0.1390 ppm
Concentration per Run	0.0000 ppm	8.8762 ppm	0.0079 ppm	0.0325 ppm	3.5567 ppm	-0.0001 ppm	0.1397 ppm
Concentration per Run	-0.0008 ppm	8.8260 ppm	0.0080 ppm	0.0323 ppm	3.5207 ppm	-0.0008 ppm	0.1396 ppm
Concentration RSD	736.8 %	0.4 %	2.6 %	0.4 %	1.2 %	91.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1871 ppm	99.2520 %	98.4956 %	93.2963 %	107.6629 %	108.8175 %	106.3476 %
Concentration per Run	0.1874 ppm	99.3482 %	98.6118 %	93.4915 %	107.6217 %	108.5656 %	106.7845 %
Concentration per Run	0.1880 ppm	98.7272 %	98.1223 %	92.9725 %	107.2464 %	105.8446 %	105.8446 %
Concentration per Run	0.1858 ppm	99.6807 %	98.7529 %	93.4250 %	108.1206 %	110.4628 %	106.4136 %
Concentration RSD	0.6 %	0.5 %	0.3 %	0.3 %	0.4 %	1.4 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-07d2 WG2111279

Analysis started at: 9/11/2025 10:28:40 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 46

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	94.7785 ppm	0.0592 ppm	0.0023 ppm	0.2799 ppm	0.0037 ppm	10.7101 ppm
Concentration per Run	-0.0012 ppm	94.8985 ppm	0.0602 ppm	0.0025 ppm	0.2795 ppm	0.0037 ppm	10.6986 ppm
Concentration per Run	-0.0006 ppm	94.9399 ppm	0.0597 ppm	0.0022 ppm	0.2817 ppm	0.0037 ppm	10.6963 ppm
Concentration per Run	0.0000 ppm	94.4970 ppm	0.0577 ppm	0.0023 ppm	0.2786 ppm	0.0037 ppm	10.7353 ppm
Concentration RSD	100.8 %	0.3 %	2.2 %	5.7 %	0.6 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0338 ppm	0.1703 ppm	0.0842 ppm	102.4150 ppm	18.0891 ppm	0.1994 ppm
Concentration per Run	0.0004 ppm	0.0338 ppm	0.1697 ppm	0.0844 ppm	102.6256 ppm	18.0234 ppm	0.2017 ppm
Concentration per Run	0.0006 ppm	0.0339 ppm	0.1707 ppm	0.0841 ppm	102.7500 ppm	18.1303 ppm	0.1967 ppm
Concentration per Run	0.0005 ppm	0.0336 ppm	0.1705 ppm	0.0840 ppm	101.8693 ppm	18.1136 ppm	0.1999 ppm
Concentration RSD	22.7 %	0.4 %	0.3 %	0.3 %	0.5 %	0.3 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	30.1198 ppm	1.2905 ppm	0.0030 ppm	0.7934 ppm	0.0870 ppm	0.0960 ppm	0.0017 ppm
Concentration per Run	30.0525 ppm	1.2921 ppm	0.0032 ppm	0.7994 ppm	0.0874 ppm	0.0969 ppm	0.0045 ppm
Concentration per Run	30.0513 ppm	1.2958 ppm	0.0033 ppm	0.7905 ppm	0.0867 ppm	0.0951 ppm	-0.0006 ppm
Concentration per Run	30.2557 ppm	1.2836 ppm	0.0027 ppm	0.7902 ppm	0.0870 ppm	0.0959 ppm	0.0013 ppm
Concentration RSD	0.4 %	0.5 %	9.9 %	0.7 %	0.4 %	0.9 %	150.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	10.7198 ppm	0.0103 ppm	0.0418 ppm	5.4828 ppm	0.0019 ppm	0.1966 ppm
Concentration per Run	-0.0034 ppm	10.7608 ppm	0.0114 ppm	0.0418 ppm	5.4747 ppm	0.0028 ppm	0.1962 ppm
Concentration per Run	0.0053 ppm	10.7327 ppm	0.0095 ppm	0.0420 ppm	5.4673 ppm	0.0007 ppm	0.1962 ppm
Concentration per Run	0.0036 ppm	10.6659 ppm	0.0099 ppm	0.0417 ppm	5.5063 ppm	0.0021 ppm	0.1973 ppm
Concentration RSD	248.8 %	0.5 %	10.0 %	0.3 %	0.4 %	57.2 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2242 ppm	99.0969 %	98.0913 %	93.0743 %	106.3721 %	107.0075 %	105.4126 %
Concentration per Run	0.2231 ppm	99.2569 %	98.2677 %	93.1215 %	106.3261 %	108.0404 %	105.5050 %
Concentration per Run	0.2246 ppm	99.0410 %	98.2656 %	92.8558 %	106.3363 %	107.7483 %	105.0541 %
Concentration per Run	0.2249 ppm	98.9928 %	97.7406 %	93.2457 %	106.4540 %	105.2337 %	105.6788 %
Concentration RSD	0.4 %	0.1 %	0.3 %	0.2 %	0.1 %	1.4 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-13d2 WG2111279

Analysis started at: 9/11/2025 10:30:47 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 47

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	68.2394 ppm	0.0589 ppm	0.0010 ppm	0.2244 ppm	0.0031 ppm	10.3272 ppm
Concentration per Run	-0.0005 ppm	68.3906 ppm	0.0582 ppm	0.0005 ppm	0.2259 ppm	0.0031 ppm	10.3295 ppm
Concentration per Run	-0.0011 ppm	68.0004 ppm	0.0588 ppm	0.0028 ppm	0.2236 ppm	0.0031 ppm	10.3096 ppm
Concentration per Run	-0.0006 ppm	68.3273 ppm	0.0598 ppm	-0.0001 ppm	0.2236 ppm	0.0031 ppm	10.3426 ppm
Concentration RSD	46.3 %	0.3 %	1.4 %	143.9 %	0.6 %	0.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0308 ppm	0.1176 ppm	0.0894 ppm	78.7458 ppm	8.0007 ppm	0.1075 ppm
Concentration per Run	0.0005 ppm	0.0304 ppm	0.1143 ppm	0.0895 ppm	78.9198 ppm	8.0517 ppm	0.1094 ppm
Concentration per Run	0.0005 ppm	0.0309 ppm	0.1140 ppm	0.0889 ppm	78.3128 ppm	7.9516 ppm	0.1058 ppm
Concentration per Run	0.0006 ppm	0.0311 ppm	0.1141 ppm	0.0899 ppm	79.0046 ppm	7.9989 ppm	0.1072 ppm
Concentration RSD	9.5 %	1.1 %	0.1 %	0.5 %	0.5 %	0.6 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	18.8476 ppm	1.1176 ppm	0.0025 ppm	0.5017 ppm	0.0705 ppm	0.1257 ppm	0.0032 ppm
Concentration per Run	18.9171 ppm	1.1206 ppm	0.0023 ppm	0.5052 ppm	0.0714 ppm	0.1258 ppm	0.0041 ppm
Concentration per Run	18.7825 ppm	1.1144 ppm	0.0027 ppm	0.5073 ppm	0.0706 ppm	0.1253 ppm	0.0023 ppm
Concentration per Run	18.8432 ppm	1.1178 ppm	0.0025 ppm	0.4926 ppm	0.0695 ppm	0.1260 ppm	0.0032 ppm
Concentration RSD	0.4 %	0.3 %	7.1 %	1.6 %	1.4 %	0.3 %	28.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	7.1144 ppm	0.0091 ppm	0.0370 ppm	3.3614 ppm	0.0011 ppm	0.1217 ppm
Concentration per Run	0.0010 ppm	7.1582 ppm	0.0096 ppm	0.0372 ppm	3.3791 ppm	0.0010 ppm	0.1221 ppm
Concentration per Run	0.0024 ppm	7.0776 ppm	0.0089 ppm	0.0368 ppm	3.3529 ppm	0.0011 ppm	0.1211 ppm
Concentration per Run	0.0008 ppm	7.1074 ppm	0.0089 ppm	0.0370 ppm	3.3521 ppm	0.0013 ppm	0.1218 ppm
Concentration RSD	60.4 %	0.6 %	4.2 %	0.5 %	0.5 %	11.7 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1841 ppm	97.1489 %	97.4236 %	92.8234 %	104.8225 %	107.8174 %	104.9241 %
Concentration per Run	0.1842 ppm	96.6671 %	98.3426 %	92.9766 %	104.3154 %	109.1127 %	105.5621 %
Concentration per Run	0.1843 ppm	97.4849 %	96.5212 %	92.4444 %	104.9455 %	106.2050 %	104.2191 %
Concentration per Run	0.1838 ppm	97.2947 %	97.4069 %	93.0493 %	105.2065 %	108.1346 %	104.9910 %
Concentration RSD	0.1 %	0.4 %	0.9 %	0.4 %	0.4 %	1.4 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-17d2 WG2111279

Analysis started at: 9/11/2025 10:32:54 PM

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Rack Number 3

Vial Numbers 48

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	75.1334 ppm	0.0587 ppm	0.0016 ppm	0.2508 ppm	0.0029 ppm	6.5232 ppm
Concentration per Run	-0.0001 ppm	75.1774 ppm	0.0589 ppm	0.0005 ppm	0.2518 ppm	0.0029 ppm	6.5289 ppm
Concentration per Run	-0.0001 ppm	75.2943 ppm	0.0588 ppm	0.0026 ppm	0.2498 ppm	0.0029 ppm	6.5315 ppm
Concentration per Run	-0.0001 ppm	74.9284 ppm	0.0584 ppm	0.0016 ppm	0.2509 ppm	0.0028 ppm	6.5091 ppm
Concentration RSD	49.0 %	0.2 %	0.5 %	65.7 %	0.4 %	1.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0265 ppm	0.1004 ppm	0.0703 ppm	78.3061 ppm	10.6109 ppm	0.1048 ppm
Concentration per Run	0.0003 ppm	0.0264 ppm	0.1014 ppm	0.0717 ppm	78.7380 ppm	10.6582 ppm	0.1050 ppm
Concentration per Run	0.0004 ppm	0.0265 ppm	0.0995 ppm	0.0684 ppm	77.9898 ppm	10.5678 ppm	0.1041 ppm
Concentration per Run	0.0003 ppm	0.0266 ppm	0.1003 ppm	0.0708 ppm	78.1906 ppm	10.6067 ppm	0.1054 ppm
Concentration RSD	20.3 %	0.4 %	1.0 %	2.4 %	0.5 %	0.4 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.2320 ppm	0.8907 ppm	0.0033 ppm	0.3898 ppm	0.0643 ppm	0.1141 ppm	-0.0027 ppm
Concentration per Run	17.1968 ppm	0.8919 ppm	0.0033 ppm	0.3916 ppm	0.0644 ppm	0.1145 ppm	-0.0024 ppm
Concentration per Run	17.2047 ppm	0.8923 ppm	0.0034 ppm	0.3935 ppm	0.0646 ppm	0.1137 ppm	-0.0022 ppm
Concentration per Run	17.2946 ppm	0.8881 ppm	0.0033 ppm	0.3844 ppm	0.0639 ppm	0.1140 ppm	-0.0035 ppm
Concentration RSD	0.3 %	0.3 %	2.7 %	1.2 %	0.5 %	0.4 %	26.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	8.8451 ppm	0.0128 ppm	0.0270 ppm	3.9299 ppm	0.0011 ppm	0.1343 ppm
Concentration per Run	0.0025 ppm	8.9117 ppm	0.0121 ppm	0.0270 ppm	3.9205 ppm	0.0022 ppm	0.1348 ppm
Concentration per Run	-0.0014 ppm	8.8073 ppm	0.0135 ppm	0.0271 ppm	3.9290 ppm	0.0004 ppm	0.1342 ppm
Concentration per Run	0.0033 ppm	8.8163 ppm	0.0129 ppm	0.0269 ppm	3.9402 ppm	0.0007 ppm	0.1341 ppm
Concentration RSD	170.3 %	0.7 %	5.6 %	0.4 %	0.3 %	89.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1892 ppm	99.3706 %	99.5099 %	94.5430 %	104.2327 %	106.5160 %	103.9826 %
Concentration per Run	0.1905 ppm	98.6431 %	100.0029 %	94.1658 %	103.2140 %	107.5763 %	103.4059 %
Concentration per Run	0.1873 ppm	99.4406 %	99.0399 %	94.6217 %	104.3926 %	105.7180 %	104.0613 %
Concentration per Run	0.1899 ppm	100.0279 %	99.4869 %	94.8415 %	105.0915 %	106.2537 %	104.4807 %
Concentration RSD	0.9 %	0.7 %	0.5 %	0.4 %	0.9 %	0.9 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-19d2 WG2111279

Analysis started at: 9/11/2025 10:35:00 PM

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Rack Number 3

Vial Numbers 49

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	69.0369 ppm	0.0483 ppm	0.0001 ppm	0.1506 ppm	0.0027 ppm	6.8961 ppm
Concentration per Run	-0.0006 ppm	69.4136 ppm	0.0481 ppm	0.0009 ppm	0.1518 ppm	0.0027 ppm	6.9193 ppm
Concentration per Run	-0.0004 ppm	69.0038 ppm	0.0483 ppm	-0.0008 ppm	0.1504 ppm	0.0027 ppm	6.8983 ppm
Concentration per Run	-0.0010 ppm	68.6934 ppm	0.0483 ppm	0.0002 ppm	0.1495 ppm	0.0027 ppm	6.8706 ppm
Concentration RSD	45.5 %	0.5 %	0.3 %	84.19 %	0.8 %	0.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0330 ppm	0.1450 ppm	0.0676 ppm	70.7315 ppm	5.1502 ppm	0.0942 ppm
Concentration per Run	0.0003 ppm	0.0323 ppm	0.1449 ppm	0.0681 ppm	70.8915 ppm	5.1924 ppm	0.0955 ppm
Concentration per Run	0.0004 ppm	0.0334 ppm	0.1449 ppm	0.0671 ppm	70.6158 ppm	5.1491 ppm	0.0944 ppm
Concentration per Run	0.0003 ppm	0.0332 ppm	0.1452 ppm	0.0674 ppm	70.6872 ppm	5.1092 ppm	0.0925 ppm
Concentration RSD	7.1 %	1.7 %	0.1 %	0.7 %	0.2 %	0.8 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	16.5206 ppm	0.7899 ppm	0.0029 ppm	0.3086 ppm	0.1206 ppm	0.0667 ppm	0.0003 ppm
Concentration per Run	16.5077 ppm	0.7921 ppm	0.0030 ppm	0.3101 ppm	0.1210 ppm	0.0665 ppm	0.0018 ppm
Concentration per Run	16.6001 ppm	0.7896 ppm	0.0025 ppm	0.3130 ppm	0.1214 ppm	0.0663 ppm	-0.0030 ppm
Concentration per Run	16.4540 ppm	0.7879 ppm	0.0030 ppm	0.3029 ppm	0.1193 ppm	0.0674 ppm	0.0020 ppm
Concentration RSD	0.4 %	0.3 %	10.1 %	1.7 %	0.9 %	0.9 %	1,012.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	9.7004 ppm	0.0070 ppm	0.0269 ppm	2.6062 ppm	0.0008 ppm	0.1045 ppm
Concentration per Run	0.0013 ppm	9.7124 ppm	0.0076 ppm	0.0269 ppm	2.5995 ppm	-0.0022 ppm	0.1048 ppm
Concentration per Run	0.0018 ppm	9.7403 ppm	0.0077 ppm	0.0271 ppm	2.6295 ppm	0.0021 ppm	0.1043 ppm
Concentration per Run	0.0017 ppm	9.6483 ppm	0.0057 ppm	0.0266 ppm	2.5897 ppm	0.0025 ppm	0.1045 ppm
Concentration RSD	14.6 %	0.5 %	15.7 %	0.8 %	0.8 %	323.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1734 ppm	97.2925 %	96.9397 %	92.9885 %	101.5650 %	103.0361 %	101.5376 %
Concentration per Run	0.1728 ppm	96.8769 %	97.2487 %	92.7219 %	101.1559 %	102.6812 %	101.7598 %
Concentration per Run	0.1747 ppm	97.9451 %	97.3344 %	93.8217 %	102.4968 %	103.6836 %	102.2706 %
Concentration per Run	0.1726 ppm	97.0556 %	96.2361 %	92.4220 %	101.0421 %	102.7434 %	100.5825 %
Concentration RSD	0.7 %	0.6 %	0.6 %	0.8 %	0.8 %	0.5 %	0.9 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 10:37:07 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5087 ppm	0.4937 ppm	0.4814 ppm	0.4718 ppm	0.4991 ppm	0.5111 ppm	0.4938 ppm
Concentration per Run	0.5077 ppm	0.4974 ppm	0.4822 ppm	0.4696 ppm	0.4977 ppm	0.5113 ppm	0.4944 ppm
Concentration per Run	0.5100 ppm	0.4896 ppm	0.4816 ppm	0.4756 ppm	0.5014 ppm	0.5120 ppm	0.4933 ppm
Concentration per Run	0.5085 ppm	0.4941 ppm	0.4803 ppm	0.4703 ppm	0.4981 ppm	0.5100 ppm	0.4937 ppm
Recovery Percentage	101.745 %	98.737 %	96.273 %	94.369 %	99.812 %	102.221 %	98.757 %
Concentration RSD	0.2 %	0.8 %	0.2 %	0.7 %	0.4 %	0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5100 ppm	0.5087 ppm	0.5156 ppm	0.5271 ppm	0.4998 ppm	5.1523 ppm	0.5195 ppm
Concentration per Run	0.5083 ppm	0.5060 ppm	0.5136 ppm	0.5251 ppm	0.5027 ppm	5.1589 ppm	0.5253 ppm
Concentration per Run	0.5125 ppm	0.5092 ppm	0.5195 ppm	0.5312 ppm	0.4967 ppm	5.1473 ppm	0.5157 ppm
Concentration per Run	0.5092 ppm	0.5110 ppm	0.5138 ppm	0.5250 ppm	0.5000 ppm	5.1508 ppm	0.5175 ppm
Recovery Percentage	102.001 %	101.743 %	103.127 %	105.418 %	99.963 %	103.047 %	103.905 %
Concentration RSD	0.4 %	0.5 %	0.7 %	0.7 %	0.6 %	0.1 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5228 ppm	0.5023 ppm	0.4819 ppm	10.1212 ppm	0.5163 ppm	0.5121 ppm	0.5114 ppm
Concentration per Run	0.5195 ppm	0.5031 ppm	0.4791 ppm	10.0284 ppm	0.5121 ppm	0.5132 ppm	0.5129 ppm
Concentration per Run	0.5274 ppm	0.5031 ppm	0.4845 ppm	10.1487 ppm	0.5201 ppm	0.5096 ppm	0.5091 ppm
Concentration per Run	0.5216 ppm	0.5006 ppm	0.4821 ppm	10.1864 ppm	0.5167 ppm	0.5135 ppm	0.5123 ppm
Recovery Percentage	104.570 %	100.458 %	96.380 %	101.212 %	103.262 %	102.418 %	102.286 %
Concentration RSD	0.8 %	0.3 %	0.6 %	0.8 %	0.8 %	0.4 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4755 ppm	5.4601 ppm	0.4916 ppm	0.5140 ppm	0.5142 ppm	0.4847 ppm	0.5197 ppm
Concentration per Run	0.4789 ppm	5.4490 ppm	0.4872 ppm	0.5117 ppm	0.5129 ppm	0.4854 ppm	0.5192 ppm
Concentration per Run	0.4740 ppm	5.4793 ppm	0.4978 ppm	0.5167 ppm	0.5174 ppm	0.4834 ppm	0.5209 ppm
Concentration per Run	0.4737 ppm	5.4519 ppm	0.4898 ppm	0.5135 ppm	0.5122 ppm	0.4853 ppm	0.5190 ppm
Recovery Percentage	95.101 %	104.002 %	98.323 %	102.791 %	102.836 %	96.933 %	103.940 %
Concentration RSD	0.6 %	0.3 %	1.1 %	0.5 %	0.6 %	0.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4839 ppm	97.1821 %	94.7760 %	95.6546 %	95.5461 %	94.8552 %	94.8107 %
Concentration per Run	0.4819 ppm	97.9198 %	93.8679 %	95.5639 %	96.1010 %	93.3826 %	94.9871 %
Concentration per Run	0.4872 ppm	96.8210 %	94.4963 %	95.9131 %	95.3263 %	93.2017 %	94.7299 %
Concentration per Run	0.4827 ppm	96.8055 %	95.9639 %	95.4869 %	95.2110 %	95.9814 %	94.7151 %
Recovery Percentage	96.783 %						
Concentration RSD	0.6 %	0.7 %	1.1 %	0.2 %	0.5 %	1.4 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 10:39:13 PM

Analysis started at:

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Rack Number

Vial Numbers

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	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	-0.0016 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0040 ppm
Concentration per Run	-0.0007 ppm	0.0027 ppm	0.0038 ppm	0.0038 ppm	0.0000 ppm	0.0000 ppm	-0.0042 ppm
Concentration per Run	-0.0007 ppm	-0.0093 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0026 ppm
Concentration per Run	-0.0002 ppm	0.0017 ppm	-0.0005 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0053 ppm
Recovery Percentage	-7.674 %	-1.635 %	18.759 %	1.004 %	-0.209 %	0.866 %	-4.041 %
Concentration RSD	46.4 %	404.4 %	266.9 %	71.7 %	191.3 %	30.2 %	34.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0008 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0135 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0008 ppm	0.0008 ppm	0.0005 ppm	0.0017 ppm	0.0002 ppm	-0.0028 ppm
Concentration per Run	0.0000 ppm	0.0009 ppm	0.0009 ppm	0.0001 ppm	-0.0009 ppm	-0.0336 ppm	0.0026 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0005 ppm	-0.0001 ppm	-0.0008 ppm	-0.0071 ppm	0.0011 ppm
Recovery Percentage	0.229 %	3.798 %	0.229 %	-2.200 %	0.449 %	-0.540 %	5.442 %
Concentration RSD	388.7 %	26.8 %	26.8 %	56.3 %	1,042.7 %	131.6 %	1,032.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0009 ppm	-0.0002 ppm	-0.0002 ppm	-0.0003 ppm	-0.0009 ppm	-0.0004 ppm	0.0009 ppm
Concentration per Run	0.0013 ppm	-0.0003 ppm	-0.0003 ppm	-0.0007 ppm	-0.0007 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run	-0.0017 ppm	-0.0002 ppm	-0.0002 ppm	-0.0005 ppm	-0.0007 ppm	-0.0016 ppm	0.0027 ppm
Concentration per Run	-0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0013 ppm	0.0006 ppm	0.0005 ppm
Recovery Percentage	-0.899 %	-1.652 %	-1.652 %	-0.621 %	-3.677 %	-4.237 %	1.895 %
Concentration RSD	213.8 %	82.7 %	82.7 %	45.4 %	38.4 %	254.7 %	166.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	0.0042 ppm	0.0004 ppm	0.0000 ppm	-0.0010 ppm	0.0018 ppm	-0.0001 ppm
Concentration per Run	0.0027 ppm	0.0013 ppm	0.0003 ppm	0.0000 ppm	-0.0012 ppm	0.0027 ppm	0.0000 ppm
Concentration per Run	-0.0009 ppm	0.0051 ppm	-0.0004 ppm	0.0001 ppm	-0.0008 ppm	0.0020 ppm	-0.0002 ppm
Concentration per Run	-0.0008 ppm	0.0061 ppm	-0.0011 ppm	0.0001 ppm	-0.0009 ppm	0.0005 ppm	-0.0001 ppm
Recovery Percentage	3.509 %	0.836 %	-0.812 %	0.394 %	-9.825 %	8.762 %	-1.021 %
Concentration RSD	580.7 %	59.9 %	177.2 %	93.2 %	18.3 %	64.2 %	94.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	96.1673 %	93.6538 %	95.0510 %	96.8210 %	94.6296 %	95.4234 %
Concentration per Run	0.0003 ppm	96.2951 %	93.3312 %	94.3329 %	96.9188 %	94.9561 %	94.5134 %
Concentration per Run	0.0001 ppm	95.6824 %	93.8730 %	95.1650 %	96.4742 %	94.7794 %	95.7101 %
Concentration per Run	0.0004 ppm	96.5243 %	93.7572 %	95.6552 %	97.0700 %	94.1532 %	96.0467 %
Recovery Percentage	5.081 %						
Concentration RSD	64.3 %	0.5 %	0.3 %	0.7 %	0.3 %	0.4 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-21d2 WG2111279

Analysis started at: 9/11/2025 10:42:49 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 50

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	66.6766 ppm	0.0594 ppm	0.0012 ppm	0.1900 ppm	0.0031 ppm	10.6842 ppm
Concentration per Run	-0.0005 ppm	66.6686 ppm	0.0578 ppm	0.0001 ppm	0.1918 ppm	0.0031 ppm	10.7160 ppm
Concentration per Run	-0.0009 ppm	66.5693 ppm	0.0618 ppm	0.0018 ppm	0.1894 ppm	0.0031 ppm	10.6794 ppm
Concentration per Run	-0.0010 ppm	66.7920 ppm	0.0585 ppm	0.0017 ppm	0.1888 ppm	0.0030 ppm	10.6571 ppm
Concentration RSD	35.8 %	0.2 %	3.6 %	82.8 %	0.8 %	2.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0327 ppm	0.0992 ppm	0.0801 ppm	79.9497 ppm	7.9915 ppm	0.1208 ppm
Concentration per Run	0.0004 ppm	0.0325 ppm	0.0995 ppm	0.0800 ppm	79.6312 ppm	8.0223 ppm	0.1224 ppm
Concentration per Run	0.0003 ppm	0.0332 ppm	0.0989 ppm	0.0798 ppm	79.8864 ppm	7.9879 ppm	0.1219 ppm
Concentration per Run	0.0003 ppm	0.0326 ppm	0.0994 ppm	0.0805 ppm	80.3314 ppm	7.9642 ppm	0.1181 ppm
Concentration RSD	15.9 %	1.2 %	0.3 %	0.5 %	0.4 %	0.4 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.2863 ppm	1.4042 ppm	0.0021 ppm	0.3938 ppm	0.0682 ppm	0.0688 ppm	0.0000 ppm
Concentration per Run	20.3800 ppm	1.4035 ppm	0.0014 ppm	0.3876 ppm	0.0677 ppm	0.0689 ppm	0.0005 ppm
Concentration per Run	20.2651 ppm	1.4044 ppm	0.0021 ppm	0.3945 ppm	0.0680 ppm	0.0690 ppm	-0.0032 ppm
Concentration per Run	20.2137 ppm	1.4048 ppm	0.0026 ppm	0.3992 ppm	0.0688 ppm	0.0686 ppm	0.0027 ppm
Concentration RSD	0.4 %	0.0 %	30.8 %	1.5 %	0.8 %	0.3 %	139.399.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0046 ppm	9.6209 ppm	0.0082 ppm	0.0341 ppm	3.0939 ppm	0.0004 ppm	0.1207 ppm
Concentration per Run	0.0050 ppm	9.6529 ppm	0.0084 ppm	0.0345 ppm	3.1133 ppm	-0.0005 ppm	0.1203 ppm
Concentration per Run	0.0040 ppm	9.6134 ppm	0.0078 ppm	0.0341 ppm	3.0888 ppm	0.0018 ppm	0.1212 ppm
Concentration per Run	0.0048 ppm	9.5962 ppm	0.0084 ppm	0.0339 ppm	3.0796 ppm	-0.0003 ppm	0.1207 ppm
Concentration RSD	11.0 %	0.3 %	4.5 %	0.9 %	0.6 %	359.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1706 ppm	99.8469 ppm	98.7043 %	94.3915 %	107.3263 ppm	107.8541 ppm	106.5610 %
Concentration per Run	0.1706 ppm	99.8341 ppm	98.5624 %	94.5199 %	107.2419 ppm	105.7671 ppm	106.6078 %
Concentration per Run	0.1700 ppm	99.4332 ppm	98.9447 %	94.1838 %	106.8239 ppm	109.2791 ppm	106.5034 %
Concentration per Run	0.1711 ppm	100.2733 ppm	98.6058 %	94.4709 %	107.9131 ppm	108.5161 ppm	106.5718 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.2 %	0.5 %	1.7 %	0.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-23d2 WG2111279

Analysis started at: 9/11/2025 10:45:00 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 51

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	69.1975 ppm	0.0569 ppm	0.0020 ppm	0.2403 ppm	0.0029 ppm	13.2814 ppm
Concentration per Run	-0.0013 ppm	69.4613 ppm	0.0589 ppm	0.0016 ppm	0.2409 ppm	0.0030 ppm	13.2832 ppm
Concentration per Run	0.0001 ppm	69.0872 ppm	0.0565 ppm	0.0027 ppm	0.2404 ppm	0.0029 ppm	13.2787 ppm
Concentration per Run	-0.0006 ppm	69.0440 ppm	0.0554 ppm	0.0017 ppm	0.2396 ppm	0.0029 ppm	13.2823 ppm
Concentration RSD	123.3 %	0.3 %	3.2 %	29.9 %	0.3 %	1.8 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0317 ppm	0.1022 ppm	0.0911 ppm	76.5596 ppm	10.4467 ppm	0.1035 ppm
Concentration per Run	0.0003 ppm	0.0308 ppm	0.1019 ppm	0.0913 ppm	76.2513 ppm	10.4715 ppm	0.1013 ppm
Concentration per Run	0.0003 ppm	0.0320 ppm	0.1023 ppm	0.0906 ppm	76.4122 ppm	10.4225 ppm	0.1043 ppm
Concentration per Run	0.0004 ppm	0.0322 ppm	0.1024 ppm	0.0912 ppm	77.0153 ppm	10.4461 ppm	0.1049 ppm
Concentration RSD	17.6 %	2.5 %	0.3 %	0.4 %	0.5 %	0.2 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.3513 ppm	1.1215 ppm	0.0034 ppm	0.4281 ppm	0.0755 ppm	0.0604 ppm	-0.0014 ppm
Concentration per Run	19.6016 ppm	1.1260 ppm	0.0034 ppm	0.4298 ppm	0.0757 ppm	0.0604 ppm	0.0001 ppm
Concentration per Run	19.2808 ppm	1.1183 ppm	0.0031 ppm	0.4331 ppm	0.0750 ppm	0.0609 ppm	-0.0009 ppm
Concentration per Run	19.1715 ppm	1.1201 ppm	0.0035 ppm	0.4214 ppm	0.0760 ppm	0.0598 ppm	-0.0034 ppm
Concentration RSD	1.2 %	0.4 %	5.7 %	1.4 %	0.7 %	1.0 %	128.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	10.0333 ppm	0.0096 ppm	0.0337 ppm	3.6637 ppm	0.0010 ppm	0.1227 ppm
Concentration per Run	-0.0001 ppm	10.0896 ppm	0.0095 ppm	0.0338 ppm	3.7196 ppm	0.0000 ppm	0.1232 ppm
Concentration per Run	0.0047 ppm	9.9993 ppm	0.0092 ppm	0.0337 ppm	3.6726 ppm	0.0020 ppm	0.1225 ppm
Concentration per Run	0.0028 ppm	10.0111 ppm	0.0100 ppm	0.0336 ppm	3.5989 ppm	0.0009 ppm	0.1223 ppm
Concentration RSD	99.5 %	0.5 %	3.9 %	0.2 %	1.7 %	104.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2246 ppm	97.8317 %	98.1632 %	93.6606 %	107.4415 %	109.5577 %	108.2249 %
Concentration per Run	0.2257 ppm	97.1533 %	98.6599 %	93.4043 %	106.9022 %	112.5786 %	108.0341 %
Concentration per Run	0.2236 ppm	98.2656 %	97.9527 %	92.3556 %	108.0254 %	108.7228 %	106.6015 %
Concentration per Run	0.2246 ppm	98.0760 %	97.8768 %	95.2219 %	107.3968 %	107.3716 %	110.0391 %
Concentration RSD	0.5 %	0.6 %	0.4 %	1.5 %	0.5 %	2.5 %	1.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-2562 WG2111279

Analysis started at: 9/11/2025 10:47:07 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 52

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	78.2425 ppm	0.0687 ppm	0.0011 ppm	0.2135 ppm	0.0035 ppm	16.0651 ppm
Concentration per Run	-0.0007 ppm	78.2757 ppm	0.0665 ppm	0.0014 ppm	0.2143 ppm	0.0035 ppm	16.0725 ppm
Concentration per Run	-0.0011 ppm	78.2467 ppm	0.0722 ppm	0.0010 ppm	0.2134 ppm	0.0034 ppm	16.0469 ppm
Concentration per Run	-0.0008 ppm	78.2050 ppm	0.0674 ppm	0.0008 ppm	0.2127 ppm	0.0035 ppm	16.0760 ppm
Concentration RSD	27.1 %	0.0 %	4.5 %	30.7 %	0.4 %	1.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0330 ppm	0.1046 ppm	0.0910 ppm	87.0727 ppm	8.2732 ppm	0.1190 ppm
Concentration per Run	0.0002 ppm	0.0322 ppm	0.1039 ppm	0.0910 ppm	87.2372 ppm	8.2752 ppm	0.1201 ppm
Concentration per Run	0.0003 ppm	0.0335 ppm	0.1052 ppm	0.0909 ppm	87.0376 ppm	8.2953 ppm	0.1162 ppm
Concentration per Run	0.0004 ppm	0.0335 ppm	0.1048 ppm	0.0911 ppm	86.9433 ppm	8.2492 ppm	0.1207 ppm
Concentration RSD	35.8 %	2.2 %	0.6 %	0.1 %	0.2 %	0.3 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	21.1361 ppm	1.3283 ppm	0.0035 ppm	0.5067 ppm	0.0742 ppm	0.0997 ppm	-0.0026 ppm
Concentration per Run	21.0504 ppm	1.3269 ppm	0.0034 ppm	0.5044 ppm	0.0737 ppm	0.1002 ppm	-0.0039 ppm
Concentration per Run	21.1553 ppm	1.3284 ppm	0.0040 ppm	0.5084 ppm	0.0737 ppm	0.0994 ppm	-0.0028 ppm
Concentration per Run	21.2024 ppm	1.3296 ppm	0.0031 ppm	0.5071 ppm	0.0752 ppm	0.0994 ppm	-0.0010 ppm
Concentration RSD	0.4 %	0.1 %	13.5 %	0.4 %	1.2 %	0.5 %	56.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	7.8797 ppm	0.0101 ppm	0.0454 ppm	3.3882 ppm	0.0011 ppm	0.1331 ppm
Concentration per Run	0.0024 ppm	7.8674 ppm	0.0098 ppm	0.0458 ppm	3.3652 ppm	0.0009 ppm	0.1322 ppm
Concentration per Run	0.0025 ppm	7.8761 ppm	0.0095 ppm	0.0452 ppm	3.3977 ppm	0.0009 ppm	0.1337 ppm
Concentration per Run	0.0018 ppm	7.8956 ppm	0.0109 ppm	0.0453 ppm	3.4015 ppm	0.0015 ppm	0.1333 ppm
Concentration RSD	15.0 %	0.2 %	7.7 %	0.7 %	0.6 %	29.8 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1840 ppm	97.1380 %	97.1380 %	92.7051 %	103.9536 %	106.6298 %	104.8822 %
Concentration per Run	0.1835 ppm	96.7045 %	97.5311 %	92.2114 %	102.9945 %	106.4434 %	104.1976 %
Concentration per Run	0.1842 ppm	97.1160 %	96.5471 %	93.0174 %	104.3385 %	106.1067 %	105.0093 %
Concentration per Run	0.1843 ppm	97.5935 %	97.7495 %	92.8865 %	104.5278 %	107.3392 %	105.4397 %
Concentration RSD	0.2 %	0.5 %	0.7 %	0.5 %	0.8 %	0.6 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-27d2 WG2111279

Analysis started at: 9/11/2025 10:49:14 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 53

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	69.4953 ppm	0.0646 ppm	0.0025 ppm	0.2509 ppm	0.0028 ppm	8.7085 ppm
Concentration per Run	-0.0006 ppm	69.4058 ppm	0.0681 ppm	0.0024 ppm	0.2502 ppm	0.0029 ppm	8.6832 ppm
Concentration per Run	-0.0001 ppm	69.6172 ppm	0.0613 ppm	0.0024 ppm	0.2511 ppm	0.0028 ppm	8.7388 ppm
Concentration per Run	-0.0003 ppm	69.4629 ppm	0.0644 ppm	0.0027 ppm	0.2514 ppm	0.0028 ppm	8.7035 ppm
Concentration RSD	63.1 %	0.2 %	5.2 %	6.2 %	0.3 %	1.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0323 ppm	0.1064 ppm	0.0834 ppm	81.4237 ppm	10.2944 ppm	0.1109 ppm
Concentration per Run	0.0005 ppm	0.0327 ppm	0.1064 ppm	0.0833 ppm	81.3101 ppm	10.2794 ppm	0.1122 ppm
Concentration per Run	0.0005 ppm	0.0321 ppm	0.1063 ppm	0.0836 ppm	81.5223 ppm	10.3404 ppm	0.1109 ppm
Concentration per Run	0.0004 ppm	0.0322 ppm	0.1066 ppm	0.0832 ppm	81.4387 ppm	10.2633 ppm	0.1095 ppm
Concentration RSD	16.0 %	1.0 %	0.1 %	0.3 %	0.1 %	0.4 %	1.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.0113 ppm	1.2253 ppm	0.0023 ppm	0.4124 ppm	0.0729 ppm	0.0617 ppm	-0.0029 ppm
Concentration per Run	19.9478 ppm	1.2243 ppm	0.0021 ppm	0.4173 ppm	0.0720 ppm	0.0624 ppm	-0.0052 ppm
Concentration per Run	19.8627 ppm	1.2288 ppm	0.0021 ppm	0.4159 ppm	0.0739 ppm	0.0623 ppm	-0.0040 ppm
Concentration per Run	20.2235 ppm	1.2248 ppm	0.0025 ppm	0.4041 ppm	0.0727 ppm	0.0602 ppm	0.0004 ppm
Concentration RSD	0.9 %	0.1 %	10.7 %	1.8 %	1.3 %	2.0 %	100.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0047 ppm	8.8572 ppm	0.0090 ppm	0.0315 ppm	3.5467 ppm	0.0022 ppm	0.1255 ppm
Concentration per Run	0.0047 ppm	8.8649 ppm	0.0085 ppm	0.0315 ppm	3.5357 ppm	0.0019 ppm	0.1250 ppm
Concentration per Run	0.0015 ppm	8.8327 ppm	0.0098 ppm	0.0316 ppm	3.5118 ppm	0.0016 ppm	0.1254 ppm
Concentration per Run	0.0078 ppm	8.8740 ppm	0.0087 ppm	0.0314 ppm	3.5927 ppm	0.0030 ppm	0.1261 ppm
Concentration RSD	66.8 %	0.2 %	7.7 %	0.2 %	1.2 %	33.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1655 ppm	98.5431 %	98.2789 %	93.0778 %	104.9364 %	106.6500 %	104.3583 %
Concentration per Run	0.1651 ppm	98.7693 %	97.9180 %	92.6030 %	105.1290 %	106.9050 %	103.9755 %
Concentration per Run	0.1654 ppm	98.5189 %	98.0239 %	93.0225 %	104.5688 %	105.6988 %	104.2942 %
Concentration per Run	0.1659 ppm	98.3413 %	98.8947 %	93.6080 %	105.1115 %	107.3463 %	104.8053 %
Concentration RSD	0.2 %	0.2 %	0.5 %	0.5 %	0.3 %	0.8 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-31d2 WG2111279

Analysis started at: 9/11/2025 10:51:20 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 54

	Ag 328.068	Al 396.152	As 189.042	B 208.959	Ba 455.403	Be 313.042	Ca 315.887
Concentration average	-0.0006 ppm	60.3415 ppm	0.0553 ppm	0.0016 ppm	0.1918 ppm	0.0031 ppm	8.4812 ppm
Concentration per Run	-0.0005 ppm	60.5349 ppm	0.0558 ppm	0.0022 ppm	0.1915 ppm	0.0031 ppm	8.5100 ppm
Concentration per Run	-0.0007 ppm	60.2387 ppm	0.0537 ppm	0.0035 ppm	0.1922 ppm	0.0031 ppm	8.4654 ppm
Concentration per Run	-0.0007 ppm	60.2510 ppm	0.0565 ppm	-0.0007 ppm	0.1917 ppm	0.0031 ppm	8.4681 ppm
Concentration RSD	17.6 %	0.3 %	2.7 %	131.1 %	0.2 %	0.4 %	0.3 %

	Cd 214.438	Co 228.616	Cr 267.716	Cu 324.754	Fe 259.940	K 766.490	Li 670.776
Concentration average	0.0006 ppm	0.0371 ppm	0.0934 ppm	0.1180 ppm	81.5355 ppm	8.6756 ppm	0.1097 ppm
Concentration per Run	0.0006 ppm	0.0378 ppm	0.0936 ppm	0.1189 ppm	81.7150 ppm	8.6484 ppm	0.1123 ppm
Concentration per Run	0.0006 ppm	0.0368 ppm	0.0935 ppm	0.1173 ppm	81.7160 ppm	8.7273 ppm	0.1105 ppm
Concentration per Run	0.0007 ppm	0.0368 ppm	0.0933 ppm	0.1178 ppm	81.1754 ppm	8.6510 ppm	0.1065 ppm
Concentration RSD	4.7 %	1.6 %	0.2 %	0.7 %	0.4 %	0.5 %	2.7 %

	Mg 279.079	Mn 257.610	Mo 202.030	Na 589.592	Ni 231.604	Pb 220.353	Sb 206.833
Concentration average	20.5642 ppm	1.5253 ppm	0.0023 ppm	0.4273 ppm	0.0845 ppm	0.0532 ppm	-0.0004 ppm
Concentration per Run	20.6513 ppm	1.5303 ppm	0.0027 ppm	0.4271 ppm	0.0864 ppm	0.0524 ppm	-0.0012 ppm
Concentration per Run	20.3247 ppm	1.5277 ppm	0.0023 ppm	0.4282 ppm	0.0822 ppm	0.0551 ppm	-0.0026 ppm
Concentration per Run	20.7167 ppm	1.5180 ppm	0.0020 ppm	0.4264 ppm	0.0848 ppm	0.0521 ppm	0.0024 ppm
Concentration RSD	1.0 %	0.4 %	14.8 %	0.2 %	2.5 %	3.1 %	585.3 %

	Se 196.090	Si 212.412	Sn 189.989	Sr 421.552	Ti 334.904	Tl 190.856	V 292.402
Concentration average	0.0013 ppm	6.7737 ppm	0.0082 ppm	0.0303 ppm	2.8017 ppm	0.0009 ppm	0.1329 ppm
Concentration per Run	-0.0016 ppm	6.8405 ppm	0.0084 ppm	0.0303 ppm	2.8119 ppm	0.0016 ppm	0.1336 ppm
Concentration per Run	0.0019 ppm	6.6950 ppm	0.0080 ppm	0.0303 ppm	2.7629 ppm	0.0006 ppm	0.1319 ppm
Concentration per Run	0.0035 ppm	6.7857 ppm	0.0083 ppm	0.0303 ppm	2.8302 ppm	0.0005 ppm	0.1331 ppm
Concentration RSD	206.3 %	1.1 %	2.8 %	0.1 %	1.2 %	68.4 %	0.7 %

	Zn 206.200	Sc 361.384	Sc 361.384	Sc 227.318	Y 360.073	Y 371.030	Y 224.306
Concentration average	0.1673 ppm	98.8731 %	98.6479 %	94.2785 %	106.3476 %	107.5136 %	106.7513 %
Concentration per Run	0.1685 ppm	97.7270 %	99.0205 %	93.8317 %	105.1950 %	107.1168 %	106.4767 %
Concentration per Run	0.1655 ppm	100.0328 %	98.6309 %	94.6067 %	107.3950 %	106.9666 %	106.7207 %
Concentration per Run	0.1678 ppm	98.8595 %	98.2922 %	94.3970 %	106.4527 %	106.7035 %	106.8107 %
Concentration RSD	0.9 %	1.2 %	0.4 %	0.4 %	1.0 %	1.0 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-33d2 WG2111279

Analysis started at: 9/11/2025 10:53:27 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 55

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	67.7575 ppm	0.0545 ppm	-0.0004 ppm	0.2155 ppm	0.0030 ppm	7.2349 ppm
Concentration per Run	-0.0007 ppm	67.5270 ppm	0.0551 ppm	-0.0012 ppm	0.2150 ppm	0.0030 ppm	7.2295 ppm
Concentration per Run	-0.0001 ppm	68.1152 ppm	0.0557 ppm	-0.0008 ppm	0.2155 ppm	0.0030 ppm	7.2391 ppm
Concentration per Run	-0.0008 ppm	67.6305 ppm	0.0526 ppm	0.0007 ppm	0.2161 ppm	0.0031 ppm	7.2363 ppm
Concentration RSD	74.4 %	0.5 %	3.0 %	225.4 %	0.3 %	1.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0299 ppm	0.0945 ppm	0.0928 ppm	77.3558 ppm	7.6706 ppm	0.1003 ppm
Concentration per Run	0.0005 ppm	0.0293 ppm	0.0948 ppm	0.0927 ppm	77.1178 ppm	7.6293 ppm	0.1025 ppm
Concentration per Run	0.0005 ppm	0.0305 ppm	0.0944 ppm	0.0925 ppm	77.6880 ppm	7.6914 ppm	0.1003 ppm
Concentration per Run	0.0005 ppm	0.0298 ppm	0.0944 ppm	0.0933 ppm	77.2615 ppm	7.6912 ppm	0.0980 ppm
Concentration RSD	1.0 %	2.1 %	0.2 %	0.5 %	0.4 %	0.5 %	2.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.0465 ppm	1.0638 ppm	0.0023 ppm	0.3779 ppm	0.0696 ppm	0.0678 ppm	-0.0015 ppm
Concentration per Run	17.0676 ppm	1.0615 ppm	0.0022 ppm	0.3762 ppm	0.0704 ppm	0.0671 ppm	-0.0021 ppm
Concentration per Run	16.9359 ppm	1.0631 ppm	0.0028 ppm	0.3842 ppm	0.0690 ppm	0.0673 ppm	-0.0046 ppm
Concentration per Run	17.1362 ppm	1.0667 ppm	0.0020 ppm	0.3732 ppm	0.0692 ppm	0.0691 ppm	0.0021 ppm
Concentration RSD	0.6 %	0.3 %	18.4 %	1.5 %	1.1 %	1.6 %	225.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0043 ppm	10.2613 ppm	0.0085 ppm	0.0308 ppm	3.0239 ppm	0.0008 ppm	0.1152 ppm
Concentration per Run	0.0045 ppm	10.2534 ppm	0.0088 ppm	0.0309 ppm	3.0246 ppm	0.0015 ppm	0.1151 ppm
Concentration per Run	0.0035 ppm	10.2480 ppm	0.0092 ppm	0.0308 ppm	3.0078 ppm	-0.0003 ppm	0.1148 ppm
Concentration per Run	0.0048 ppm	10.2826 ppm	0.0077 ppm	0.0308 ppm	3.0394 ppm	0.0011 ppm	0.1157 ppm
Concentration RSD	16.3 %	0.2 %	9.0 %	0.2 %	0.5 %	121.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1671 ppm	97.9985 %	98.1203 %	93.5008 %	104.4171 %	105.8566 %	104.8616 %
Concentration per Run	0.1666 ppm	97.5830 %	98.3290 %	93.6591 %	103.8287 %	105.5830 %	105.1013 %
Concentration per Run	0.1676 ppm	98.4432 %	98.0473 %	93.1253 %	104.9186 %	105.8842 %	104.4315 %
Concentration per Run	0.1673 ppm	97.9693 %	97.9846 %	93.7181 %	104.5041 %	106.1026 %	105.0520 %
Concentration RSD	0.3 %	0.4 %	0.2 %	0.3 %	0.5 %	0.2 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-35d2 WG2111279

Analysis started at: 9/11/2025 10:55:34 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 56

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	63.1081 ppm	0.0880 ppm	0.0000 ppm	0.1498 ppm	0.0024 ppm	4.1768 ppm
Concentration per Run	-0.0006 ppm	63.0544 ppm	0.0889 ppm	-0.0008 ppm	0.1498 ppm	0.0024 ppm	4.1878 ppm
Concentration per Run	-0.0002 ppm	63.1576 ppm	0.0878 ppm	-0.0002 ppm	0.1498 ppm	0.0024 ppm	4.1731 ppm
Concentration per Run	-0.0001 ppm	63.1122 ppm	0.0872 ppm	0.0010 ppm	0.1497 ppm	0.0024 ppm	4.1695 ppm
Concentration RSD	92.8 %	0.1 %	0.9 %	49.213.3 %	0.0 %	0.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0249 ppm	0.0848 ppm	0.0663 ppm	71.8381 ppm	5.5803 ppm	0.0843 ppm
Concentration per Run	0.0003 ppm	0.0253 ppm	0.0852 ppm	0.0668 ppm	71.9470 ppm	5.5755 ppm	0.0846 ppm
Concentration per Run	0.0002 ppm	0.0245 ppm	0.0847 ppm	0.0664 ppm	71.9604 ppm	5.5897 ppm	0.0842 ppm
Concentration per Run	0.0002 ppm	0.0250 ppm	0.0845 ppm	0.0658 ppm	71.6069 ppm	5.5758 ppm	0.0840 ppm
Concentration RSD	28.3 %	1.7 %	0.4 %	0.8 %	0.3 %	0.1 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	13.5554 ppm	0.7185 ppm	0.0028 ppm	0.8089 ppm	0.0661 ppm	0.0401 ppm	0.0023 ppm
Concentration per Run	13.6495 ppm	0.7205 ppm	0.0027 ppm	0.8039 ppm	0.0669 ppm	0.0402 ppm	0.0010 ppm
Concentration per Run	13.4838 ppm	0.7177 ppm	0.0034 ppm	0.8095 ppm	0.0657 ppm	0.0390 ppm	0.0016 ppm
Concentration per Run	13.5328 ppm	0.7173 ppm	0.0025 ppm	0.8133 ppm	0.0658 ppm	0.0412 ppm	0.0042 ppm
Concentration RSD	0.6 %	0.2 %	16.0 %	0.6 %	1.0 %	2.7 %	74.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0039 ppm	12.8639 ppm	0.0068 ppm	0.0204 ppm	2.1948 ppm	0.0003 ppm	0.0882 ppm
Concentration per Run	0.0019 ppm	12.9414 ppm	0.0063 ppm	0.0205 ppm	2.2064 ppm	-0.0003 ppm	0.0881 ppm
Concentration per Run	0.0032 ppm	12.7938 ppm	0.0061 ppm	0.0203 ppm	2.1868 ppm	0.0004 ppm	0.0882 ppm
Concentration per Run	0.0066 ppm	12.8566 ppm	0.0080 ppm	0.0203 ppm	2.1911 ppm	0.0008 ppm	0.0882 ppm
Concentration RSD	62.3 %	0.6 %	15.8 %	0.4 %	0.5 %	190.8 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0971 ppm	97.4114 %	96.5935 %	93.3030 %	99.1151 %	99.5356 %	99.6691 %
Concentration per Run	0.0975 ppm	96.6445 %	96.7569 %	92.7429 %	98.7049 %	99.2406 %	99.3036 %
Concentration per Run	0.0969 ppm	97.6767 %	96.3254 %	93.6173 %	99.1556 %	99.8779 %	99.7001 %
Concentration per Run	0.0969 ppm	97.9129 %	96.6980 %	93.5488 %	99.4849 %	100.4882 %	100.0037 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.5 %	0.4 %	0.8 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-37d2 WG2111279

Analysis started at: 9/11/2025 10:57:41 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 57

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	79.1471 ppm	0.0694 ppm	0.0000 ppm	0.1592 ppm	0.0027 ppm	4.8735 ppm
Concentration per Run	-0.0005 ppm	79.2703 ppm	0.0672 ppm	-0.0004 ppm	0.1587 ppm	0.0027 ppm	4.8785 ppm
Concentration per Run	-0.0004 ppm	79.1958 ppm	0.0697 ppm	-0.0007 ppm	0.1590 ppm	0.0027 ppm	4.8643 ppm
Concentration per Run	0.0002 ppm	78.9753 ppm	0.0712 ppm	0.0010 ppm	0.1599 ppm	0.0027 ppm	4.8778 ppm
Concentration RSD	154.5 %	0.2 %	2.9 %	5.5212 %	0.4 %	1.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0262 ppm	0.1071 ppm	0.0349 ppm	69.1883 ppm	5.7516 ppm	0.0968 ppm
Concentration per Run	0.0001 ppm	0.0269 ppm	0.1077 ppm	0.0557 ppm	69.5375 ppm	5.7419 ppm	0.0982 ppm
Concentration per Run	0.0002 ppm	0.0259 ppm	0.1065 ppm	0.0542 ppm	69.5672 ppm	5.7549 ppm	0.0967 ppm
Concentration per Run	0.0004 ppm	0.0257 ppm	0.1072 ppm	0.0548 ppm	68.4602 ppm	5.7579 ppm	0.0954 ppm
Concentration RSD	59.7 %	2.3 %	0.6 %	1.4 %	0.9 %	0.1 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.4375 ppm	0.6100 ppm	0.0022 ppm	1.2172 ppm	0.0708 ppm	0.0374 ppm	0.0019 ppm
Concentration per Run	15.2866 ppm	0.6113 ppm	0.0023 ppm	1.2181 ppm	0.0709 ppm	0.0386 ppm	0.0011 ppm
Concentration per Run	15.6299 ppm	0.6101 ppm	0.0024 ppm	1.2080 ppm	0.0711 ppm	0.0360 ppm	0.0036 ppm
Concentration per Run	15.3959 ppm	0.6086 ppm	0.0020 ppm	1.2256 ppm	0.0703 ppm	0.0376 ppm	0.0009 ppm
Concentration RSD	1.1 %	0.2 %	9.9 %	0.7 %	0.6 %	3.5 %	77.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0050 ppm	14.2776 ppm	0.0070 ppm	0.0341 ppm	2.9232 ppm	0.0013 ppm	0.1046 ppm
Concentration per Run	0.0070 ppm	14.2326 ppm	0.0065 ppm	0.0342 ppm	2.8894 ppm	0.0019 ppm	0.1040 ppm
Concentration per Run	0.0041 ppm	14.2839 ppm	0.0075 ppm	0.0342 ppm	2.9569 ppm	0.0010 ppm	0.1054 ppm
Concentration per Run	0.0038 ppm	14.3162 ppm	0.0070 ppm	0.0339 ppm	2.9234 ppm	0.0009 ppm	0.1043 ppm
Concentration RSD	34.8 %	0.3 %	6.8 %	0.5 %	1.2 %	44.2 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1031 ppm	97.3095 %	96.7298 %	92.5645 %	99.0002 %	100.8487 %	99.8889 %
Concentration per Run	0.1026 ppm	96.9328 %	97.1050 %	92.5846 %	98.2844 %	101.5115 %	99.9194 %
Concentration per Run	0.1027 ppm	97.5357 %	96.9661 %	92.6900 %	99.5222 %	100.3809 %	99.9299 %
Concentration per Run	0.1039 ppm	97.4600 %	96.1184 %	92.4188 %	99.1941 %	100.6538 %	99.8173 %
Concentration RSD	0.7 %	0.3 %	0.6 %	0.1 %	0.6 %	0.6 %	0.1 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-39d2 WG2111279

Analysis started at: 9/11/2025 10:59:48 PM

Comment <Comment>

Rack Number 3

Vial Numbers 58

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	74.3449 ppm	0.0789 ppm	0.0016 ppm	0.1672 ppm	0.0029 ppm	4.7044 ppm
Concentration per Run	0.0000 ppm	74.7118 ppm	0.0768 ppm	0.0006 ppm	0.1678 ppm	0.0029 ppm	4.7165 ppm
Concentration per Run	-0.0009 ppm	74.1227 ppm	0.0775 ppm	0.0015 ppm	0.1665 ppm	0.0029 ppm	4.6975 ppm
Concentration per Run	-0.0004 ppm	74.2002 ppm	0.0765 ppm	0.0029 ppm	0.1673 ppm	0.0029 ppm	4.6992 ppm
Concentration RSD	116.7 %	0.4 %	0.6 %	71.1 %	0.4 %	1.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0258 ppm	0.1111 ppm	0.0763 ppm	70.8221 ppm	7.0184 ppm	0.0895 ppm
Concentration per Run	0.0001 ppm	0.0251 ppm	0.1094 ppm	0.0758 ppm	70.7723 ppm	7.0571 ppm	0.0903 ppm
Concentration per Run	0.0002 ppm	0.0265 ppm	0.1119 ppm	0.0769 ppm	70.8280 ppm	7.0015 ppm	0.0890 ppm
Concentration per Run	0.0001 ppm	0.0259 ppm	0.1121 ppm	0.0762 ppm	70.8661 ppm	6.9966 ppm	0.0895 ppm
Concentration RSD	28.4 %	2.6 %	1.3 %	0.7 %	0.1 %	0.5 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.4975 ppm	0.6374 ppm	0.0044 ppm	4.1311 ppm	0.0726 ppm	0.0453 ppm	0.0007 ppm
Concentration per Run	17.4604 ppm	0.6386 ppm	0.0041 ppm	4.1393 ppm	0.0716 ppm	0.0445 ppm	-0.0011 ppm
Concentration per Run	17.4891 ppm	0.6388 ppm	0.0042 ppm	4.1392 ppm	0.0734 ppm	0.0460 ppm	0.0032 ppm
Concentration per Run	17.5430 ppm	0.6388 ppm	0.0050 ppm	4.1149 ppm	0.0727 ppm	0.0453 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.2 %	10.9 %	0.3 %	1.2 %	1.7 %	310.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0033 ppm	14.4999 ppm	0.0082 ppm	0.0267 ppm	3.4846 ppm	0.0012 ppm	0.1132 ppm
Concentration per Run	0.0053 ppm	14.5059 ppm	0.0081 ppm	0.0269 ppm	3.4854 ppm	0.0010 ppm	0.1128 ppm
Concentration per Run	0.0012 ppm	14.4569 ppm	0.0084 ppm	0.0266 ppm	3.4668 ppm	0.0027 ppm	0.1136 ppm
Concentration per Run	0.0035 ppm	14.5369 ppm	0.0081 ppm	0.0268 ppm	3.5017 ppm	0.0000 ppm	0.1131 ppm
Concentration RSD	62.1 %	0.3 %	2.0 %	0.5 %	0.5 %	115.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1051 ppm	97.4517 %	97.6756 %	92.9826 %	100.8993 %	102.6023 %	101.4823 %
Concentration per Run	0.1045 ppm	97.6908 %	97.6928 %	92.9553 %	101.1711 %	102.9195 %	101.5585 %
Concentration per Run	0.1058 ppm	97.1010 %	97.5788 %	93.0360 %	100.7299 %	102.7187 %	101.2989 %
Concentration per Run	0.1050 ppm	97.5633 %	97.7553 %	92.9563 %	100.7968 %	102.1687 %	101.5895 %
Concentration RSD	0.6 %	0.3 %	0.1 %	0.0 %	0.2 %	0.4 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-4562 WG2111279

Analysis started at: 9/11/2025 11:01:55 PM

Comment <Comment>

Rack Number 3

Vial Numbers 59

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	77.5862 ppm	0.0643 ppm	0.0035 ppm	0.2303 ppm	0.0035 ppm	16.0002 ppm
Concentration per Run	0.0002 ppm	77.9501 ppm	0.0640 ppm	0.0039 ppm	0.2317 ppm	0.0034 ppm	16.0560 ppm
Concentration per Run	-0.0007 ppm	77.3344 ppm	0.0642 ppm	0.0025 ppm	0.2299 ppm	0.0035 ppm	15.8633 ppm
Concentration per Run	-0.0005 ppm	77.4741 ppm	0.0646 ppm	0.0041 ppm	0.2292 ppm	0.0034 ppm	16.0814 ppm
Concentration RSD	153.2 %	0.4 %	0.4 %	25.9 %	0.6 %	0.9 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0434 ppm	0.1173 ppm	0.1255 ppm	92.0915 ppm	8.8519 ppm	0.1145 ppm
Concentration per Run	0.0004 ppm	0.0436 ppm	0.1166 ppm	0.1250 ppm	92.4207 ppm	8.9159 ppm	0.1153 ppm
Concentration per Run	0.0004 ppm	0.0435 ppm	0.1179 ppm	0.1255 ppm	91.5702 ppm	8.8470 ppm	0.1132 ppm
Concentration per Run	0.0005 ppm	0.0431 ppm	0.1175 ppm	0.1259 ppm	92.2836 ppm	8.7928 ppm	0.1151 ppm
Concentration RSD	10.2 %	0.6 %	0.6 %	0.3 %	0.5 %	0.7 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	21.6130 ppm	1.5540 ppm	0.0042 ppm	0.5205 ppm	0.0868 ppm	0.1037 ppm	-0.0001 ppm
Concentration per Run	21.3914 ppm	1.5656 ppm	0.0041 ppm	0.5230 ppm	0.0864 ppm	0.1043 ppm	0.0021 ppm
Concentration per Run	21.9058 ppm	1.5393 ppm	0.0040 ppm	0.5219 ppm	0.0872 ppm	0.1033 ppm	0.0013 ppm
Concentration per Run	21.5418 ppm	1.5571 ppm	0.0046 ppm	0.5167 ppm	0.0868 ppm	0.1035 ppm	-0.0037 ppm
Concentration RSD	1.2 %	0.9 %	7.8 %	0.7 %	0.5 %	0.6 %	2.738.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	11.1328 ppm	0.0107 ppm	0.0465 ppm	3.6612 ppm	0.0017 ppm	0.1381 ppm
Concentration per Run	0.0033 ppm	11.0547 ppm	0.0112 ppm	0.0467 ppm	3.6266 ppm	0.0022 ppm	0.1376 ppm
Concentration per Run	0.0002 ppm	11.1974 ppm	0.0114 ppm	0.0466 ppm	3.7037 ppm	0.0015 ppm	0.1388 ppm
Concentration per Run	0.0023 ppm	11.1462 ppm	0.0096 ppm	0.0463 ppm	3.6534 ppm	0.0013 ppm	0.1381 ppm
Concentration RSD	82.9 %	0.6 %	9.0 %	0.5 %	1.1 %	30.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2816 ppm	97.2790 %	97.0179 %	92.4359 %	104.0085 %	104.9709 %	104.2880 %
Concentration per Run	0.2798 ppm	98.1708 %	96.6051 %	92.4310 %	104.7882 %	105.6917 %	104.4407 %
Concentration per Run	0.2834 ppm	96.1292 %	96.9521 %	93.2810 %	103.0839 %	105.6826 %	105.1985 %
Concentration per Run	0.2816 ppm	97.5370 %	97.4966 %	91.5957 %	104.1533 %	103.5383 %	103.2247 %
Concentration RSD	0.6 %	1.1 %	0.5 %	0.9 %	0.8 %	1.2 %	1.0 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 11:04:01 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5101 ppm	0.4866 ppm	0.4822 ppm	0.4728 ppm	0.4977 ppm	0.5118 ppm	0.4977 ppm
Concentration per Run	0.5071 ppm	0.4917 ppm	0.4841 ppm	0.4690 ppm	0.4975 ppm	0.5130 ppm	0.4948 ppm
Concentration per Run	0.5099 ppm	0.4918 ppm	0.4840 ppm	0.4727 ppm	0.4989 ppm	0.5123 ppm	0.5021 ppm
Concentration per Run	0.5133 ppm	0.4762 ppm	0.4786 ppm	0.4766 ppm	0.4968 ppm	0.5101 ppm	0.4962 ppm
Recovery Percentage	102.021 %	97.311 %	96.444 %	94.554 %	99.549 %	102.358 %	99.539 %
Concentration RSD	0.6 %	1.8 %	0.7 %	0.8 %	0.2 %	0.3 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5114 ppm	0.5103 ppm	0.5164 ppm	0.5306 ppm	0.5014 ppm	5.1712 ppm	0.5161 ppm
Concentration per Run	0.5077 ppm	0.5085 ppm	0.5152 ppm	0.5293 ppm	0.5052 ppm	5.1490 ppm	0.5172 ppm
Concentration per Run	0.5138 ppm	0.5111 ppm	0.5170 ppm	0.5300 ppm	0.5000 ppm	5.1896 ppm	0.5256 ppm
Concentration per Run	0.5126 ppm	0.5114 ppm	0.5170 ppm	0.5325 ppm	0.4990 ppm	5.1752 ppm	0.5053 ppm
Recovery Percentage	102.273 %	102.069 %	103.280 %	106.123 %	100.279 %	103.425 %	103.211 %
Concentration RSD	0.6 %	0.3 %	0.2 %	0.3 %	0.7 %	0.4 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5253 ppm	0.5039 ppm	0.4830 ppm	10.0255 ppm	0.5183 ppm	0.5143 ppm	0.5128 ppm
Concentration per Run	0.5229 ppm	0.5052 ppm	0.4808 ppm	10.0133 ppm	0.5167 ppm	0.5156 ppm	0.5114 ppm
Concentration per Run	0.5211 ppm	0.5023 ppm	0.4835 ppm	9.9846 ppm	0.5190 ppm	0.5141 ppm	0.5133 ppm
Concentration per Run	0.5320 ppm	0.5041 ppm	0.4845 ppm	10.0786 ppm	0.5194 ppm	0.5131 ppm	0.5139 ppm
Recovery Percentage	105.067 %	100.780 %	96.590 %	100.255 %	103.668 %	102.855 %	102.569 %
Concentration RSD	1.1 %	0.3 %	0.4 %	0.5 %	0.3 %	0.2 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4784 ppm	5.5093 ppm	0.4919 ppm	0.5117 ppm	0.5131 ppm	0.4856 ppm	0.5228 ppm
Concentration per Run	0.4801 ppm	5.4786 ppm	0.4898 ppm	0.5103 ppm	0.5096 ppm	0.4837 ppm	0.5209 ppm
Concentration per Run	0.4757 ppm	5.5256 ppm	0.4934 ppm	0.5142 ppm	0.5117 ppm	0.4855 ppm	0.5234 ppm
Concentration per Run	0.4794 ppm	5.5238 ppm	0.4925 ppm	0.5106 ppm	0.5179 ppm	0.4876 ppm	0.5242 ppm
Recovery Percentage	95.680 %	104.940 %	98.382 %	102.346 %	102.612 %	97.122 %	104.570 %
Concentration RSD	0.5 %	0.5 %	0.4 %	0.4 %	0.8 %	0.4 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4853 ppm	96.9806 %	95.4106 %	95.3170 %	95.0348 %	94.2718 %	94.8008 %
Concentration per Run	0.4833 ppm	97.3066 %	95.8639 %	95.0066 %	95.3074 %	95.1687 %	94.6348 %
Concentration per Run	0.4873 ppm	97.0186 %	96.0772 %	96.0879 %	94.7418 %	95.3014 %	95.3411 %
Concentration per Run	0.4853 ppm	96.6166 %	94.6555 %	94.8565 %	95.0551 %	94.3454 %	94.4265 %
Recovery Percentage	97.055 %						
Concentration RSD	0.4 %	0.4 %	0.7 %	0.7 %	0.3 %	1.0 %	0.5 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCB

Sample: 9/11/2025 11:06:08 PM

Analysis started at:

Comment: <Comment>

Rack Number

Vial Numbers

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0009 ppm	-0.0047 ppm	0.0015 ppm	-0.0013 ppm	-0.0001 ppm	0.0000 ppm	-0.0040 ppm
Concentration per Run	-0.0009 ppm	-0.0095 ppm	-0.0001 ppm	-0.0009 ppm	-0.0001 ppm	0.0001 ppm	-0.0007 ppm
Concentration per Run	-0.0007 ppm	-0.0041 ppm	0.0034 ppm	-0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0072 ppm
Concentration per Run	-0.0009 ppm	-0.0005 ppm	0.0012 ppm	-0.0014 ppm	-0.0001 ppm	0.0000 ppm	-0.0040 ppm
Recovery Percentage	-12.388 %	-4.711 %	30.142 %	-4.370 %	-0.813 %	0.737 %	-3.954 %
Concentration RSD	14.3 %	95.9 %	117.2 %	25.4 %	32.5 %	118.2 %	81.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	-0.0194 ppm	0.0025 ppm
Concentration per Run	0.0001 ppm	-0.0006 ppm	-0.0007 ppm	0.0000 ppm	-0.0004 ppm	-0.0292 ppm	0.0032 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0086 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0205 ppm	0.0030 ppm
Recovery Percentage	1.592 %	-0.919 %	-2.870 %	1.408 %	-0.407 %	-0.777 %	50.495 %
Concentration RSD	48.2 %	270.7 %	142.5 %	98.5 %	90.3 %	53.1 %	40.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0018 ppm	-0.0002 ppm	0.0003 ppm	-0.0070 ppm	0.0000 ppm	-0.0001 ppm	0.0031 ppm
Concentration per Run	-0.0017 ppm	-0.0002 ppm	0.0003 ppm	-0.0107 ppm	0.0000 ppm	-0.0005 ppm	0.0021 ppm
Concentration per Run	-0.0018 ppm	-0.0003 ppm	0.0003 ppm	-0.0057 ppm	-0.0010 ppm	-0.0007 ppm	0.0031 ppm
Concentration per Run	-0.0018 ppm	-0.0003 ppm	0.0004 ppm	-0.0047 ppm	0.0009 ppm	0.0008 ppm	0.0040 ppm
Recovery Percentage	-1.776 %	-2.490 %	0.635 %	-0.352 %	-0.188 %	-1.286 %	6.105 %
Concentration RSD	4.5 %	30.2 %	15.6 %	45.6 %	1.990.5 %	618.1 %	31.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	0.0057 ppm	0.0001 ppm	0.0001 ppm	-0.0010 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	0.0059 ppm	0.0009 ppm	0.0002 ppm	-0.0008 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0028 ppm	0.0063 ppm	0.0007 ppm	0.0001 ppm	-0.0013 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	-0.0002 ppm	0.0048 ppm	-0.0013 ppm	0.0000 ppm	-0.0009 ppm	-0.0006 ppm	0.0000 ppm
Recovery Percentage	8.520 %	1.137 %	0.134 %	0.795 %	-10.185 %	-0.679 %	-0.348 %
Concentration RSD	200.3 %	13.3 %	1.819.1 %	135.1 %	27.9 %	653.0 %	101.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	95.2425 %	94.1157 %	94.5099 %	95.5844 %	95.2758 %	95.0013 %
Concentration per Run	0.0005 ppm	95.3395 %	94.6508 %	94.1245 %	95.3218 %	95.4740 %	94.4999 %
Concentration per Run	0.0004 ppm	93.4894 %	95.1167 %	95.1167 %	95.6695 %	94.5520 %	95.6169 %
Concentration per Run	0.0004 ppm	95.2815 %	94.2069 %	94.2885 %	95.7619 %	95.8015 %	94.8872 %
Recovery Percentage	7.971 %						
Concentration RSD	12.5 %	0.1 %	0.6 %	0.6 %	0.2 %	0.7 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-47d2 WG2111279

Analysis started at: 9/11/2025 11:08:15 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 60

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	88.1164 ppm	0.0813 ppm	0.0016 ppm	0.2567 ppm	0.0035 ppm	7.2940 ppm
Concentration per Run	-0.0002 ppm	88.0269 ppm	0.0826 ppm	0.0014 ppm	0.2558 ppm	0.0035 ppm	7.3216 ppm
Concentration per Run	-0.0001 ppm	88.3876 ppm	0.0824 ppm	0.0017 ppm	0.2586 ppm	0.0036 ppm	7.2940 ppm
Concentration per Run	-0.0005 ppm	87.9348 ppm	0.0790 ppm	0.0016 ppm	0.2555 ppm	0.0035 ppm	7.2666 ppm
Concentration RSD	78.5 %	0.3 %	2.5 %	8.7 %	0.7 %	1.7 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0264 ppm	0.1235 ppm	0.0989 ppm	100.7705 ppm	8.5257 ppm	0.1090 ppm
Concentration per Run	0.0006 ppm	0.0268 ppm	0.1241 ppm	0.0987 ppm	101.2261 ppm	8.4823 ppm	0.1116 ppm
Concentration per Run	0.0006 ppm	0.0263 ppm	0.1240 ppm	0.0987 ppm	100.4254 ppm	8.5654 ppm	0.1062 ppm
Concentration per Run	0.0004 ppm	0.0260 ppm	0.1226 ppm	0.0993 ppm	100.6599 ppm	8.5294 ppm	0.1092 ppm
Concentration RSD	27.1 %	1.7 %	0.7 %	0.4 %	0.4 %	0.5 %	2.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.5733 ppm	0.9995 ppm	0.0062 ppm	0.4351 ppm	0.0764 ppm	0.1948 ppm	0.0010 ppm
Concentration per Run	19.6281 ppm	1.0009 ppm	0.0062 ppm	0.4330 ppm	0.0768 ppm	0.1942 ppm	0.0005 ppm
Concentration per Run	19.4634 ppm	1.0022 ppm	0.0061 ppm	0.4294 ppm	0.0760 ppm	0.1951 ppm	-0.0047 ppm
Concentration per Run	19.6283 ppm	0.9953 ppm	0.0062 ppm	0.4428 ppm	0.0765 ppm	0.1952 ppm	0.0073 ppm
Concentration RSD	0.5 %	0.4 %	0.5 %	1.6 %	0.5 %	0.3 %	584.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0038 ppm	11.8017 ppm	0.0113 ppm	0.0326 ppm	4.2578 ppm	0.0016 ppm	0.1828 ppm
Concentration per Run	0.0030 ppm	11.8060 ppm	0.0112 ppm	0.0326 ppm	4.2684 ppm	0.0010 ppm	0.1826 ppm
Concentration per Run	0.0051 ppm	11.7899 ppm	0.0116 ppm	0.0327 ppm	4.2404 ppm	0.0018 ppm	0.1829 ppm
Concentration per Run	0.0035 ppm	11.8091 ppm	0.0112 ppm	0.0324 ppm	4.2647 ppm	0.0020 ppm	0.1831 ppm
Concentration RSD	28.6 %	0.1 %	1.9 %	0.6 %	0.4 %	32.4 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2365 ppm	97.7467 %	98.5409 %	93.5257 %	102.9519 %	105.1656 %	104.2586 %
Concentration per Run	0.2355 ppm	97.7827 %	98.1621 %	93.3549 %	102.9088 %	103.4890 %	103.9212 %
Concentration per Run	0.2370 ppm	97.9210 %	98.4931 %	93.5246 %	103.2596 %	105.5448 %	104.3268 %
Concentration per Run	0.2370 ppm	97.5365 %	98.9674 %	93.6975 %	102.6871 %	106.4629 %	104.5276 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.2 %	0.3 %	1.4 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-49d2 WG2111279

Analysis started at: 9/11/2025 11:10:21 PM

Comment <Comment>

Rack Number 4

Vial Numbers 1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	86.6571 ppm	0.0752 ppm	0.0028 ppm	0.2499 ppm	0.0034 ppm	6.4440 ppm
Concentration per Run	0.0002 ppm	87.1167 ppm	0.0761 ppm	0.0011 ppm	0.2506 ppm	0.0034 ppm	6.4519 ppm
Concentration per Run	-0.0002 ppm	86.4374 ppm	0.0764 ppm	0.0030 ppm	0.2499 ppm	0.0034 ppm	6.4554 ppm
Concentration per Run	-0.0008 ppm	86.4171 ppm	0.0730 ppm	0.0044 ppm	0.2493 ppm	0.0034 ppm	6.4246 ppm
Concentration RSD	175.1 %	0.5 %	2.5 %	60.1 %	0.3 %	1.0 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0275 ppm	0.1247 ppm	0.0986 ppm	96.0593 ppm	10.9142 ppm	0.1094 ppm
Concentration per Run	0.0005 ppm	0.0278 ppm	0.1247 ppm	0.0985 ppm	95.8166 ppm	10.9293 ppm	0.1068 ppm
Concentration per Run	0.0007 ppm	0.0275 ppm	0.1259 ppm	0.0987 ppm	96.0838 ppm	10.9185 ppm	0.1123 ppm
Concentration per Run	0.0006 ppm	0.0272 ppm	0.1237 ppm	0.0986 ppm	96.2773 ppm	10.8948 ppm	0.1089 ppm
Concentration RSD	13.8 %	1.2 %	0.9 %	0.1 %	0.2 %	0.2 %	2.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.5878 ppm	1.0284 ppm	0.0047 ppm	0.4259 ppm	0.0711 ppm	0.1588 ppm	-0.0012 ppm
Concentration per Run	20.5128 ppm	1.0313 ppm	0.0045 ppm	0.4263 ppm	0.0711 ppm	0.1589 ppm	0.0007 ppm
Concentration per Run	20.7679 ppm	1.0286 ppm	0.0048 ppm	0.4300 ppm	0.0706 ppm	0.1574 ppm	-0.0025 ppm
Concentration per Run	20.4826 ppm	1.0274 ppm	0.0049 ppm	0.4214 ppm	0.0716 ppm	0.1601 ppm	-0.0019 ppm
Concentration RSD	0.8 %	0.2 %	3.8 %	1.0 %	0.7 %	0.9 %	139.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	12.4578 ppm	0.0102 ppm	0.0298 ppm	4.4176 ppm	0.0025 ppm	0.1546 ppm
Concentration per Run	0.0037 ppm	12.4290 ppm	0.0104 ppm	0.0298 ppm	4.4006 ppm	0.0021 ppm	0.1539 ppm
Concentration per Run	0.0043 ppm	12.5007 ppm	0.0090 ppm	0.0299 ppm	4.4378 ppm	0.0027 ppm	0.1550 ppm
Concentration per Run	0.0040 ppm	12.4438 ppm	0.0111 ppm	0.0297 ppm	4.4145 ppm	0.0028 ppm	0.1548 ppm
Concentration RSD	7.5 %	0.3 %	10.2 %	0.4 %	0.4 %	14.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2271 ppm	98.4531 %	98.6576 %	93.1752 %	103.0594 %	104.9008 %	103.4165 %
Concentration per Run	0.2260 ppm	98.8893 %	98.5010 %	93.2068 %	103.5232 %	105.3070 %	103.4865 %
Concentration per Run	0.2276 ppm	97.5000 %	98.5329 %	93.1456 %	102.3460 %	104.3520 %	103.1564 %
Concentration per Run	0.2277 ppm	98.9698 %	98.9388 %	93.1733 %	103.3090 %	105.0433 %	103.6067 %
Concentration RSD	0.4 %	0.8 %	0.2 %	0.0 %	0.6 %	0.5 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555667-51d2 WG2111279

Analysis started at: 9/11/2025 11:12:28 PM

Comment <Comment>

Rack Number 4

Vial Numbers 2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	81.7926 ppm	0.0863 ppm	0.0011 ppm	0.2193 ppm	0.0031 ppm	5.4511 ppm
Concentration per Run	-0.0007 ppm	81.9018 ppm	0.0845 ppm	0.0016 ppm	0.2202 ppm	0.0031 ppm	5.4634 ppm
Concentration per Run	-0.0010 ppm	81.9822 ppm	0.0865 ppm	0.0016 ppm	0.2194 ppm	0.0031 ppm	5.4665 ppm
Concentration per Run	-0.0003 ppm	81.4937 ppm	0.0880 ppm	0.0001 ppm	0.2183 ppm	0.0031 ppm	5.4234 ppm
Concentration RSD	51.7 %	0.3 %	2.0 %	76.8 %	0.4 %	1.1 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0327 ppm	0.1516 ppm	0.0824 ppm	87.3774 ppm	11.3443 ppm	0.1240 ppm
Concentration per Run	0.0001 ppm	0.0328 ppm	0.1521 ppm	0.0822 ppm	87.5304 ppm	11.3735 ppm	0.1254 ppm
Concentration per Run	0.0003 ppm	0.0324 ppm	0.1516 ppm	0.0826 ppm	87.8186 ppm	11.3778 ppm	0.1238 ppm
Concentration per Run	0.0004 ppm	0.0329 ppm	0.1513 ppm	0.0824 ppm	86.7832 ppm	11.2817 ppm	0.1228 ppm
Concentration RSD	49.7 %	0.8 %	0.3 %	0.2 %	0.6 %	0.5 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	24.6357 ppm	0.7879 ppm	0.0027 ppm	3.6775 ppm	0.0931 ppm	0.0479 ppm	0.0039 ppm
Concentration per Run	24.5851 ppm	0.7896 ppm	0.0031 ppm	3.6664 ppm	0.0927 ppm	0.0467 ppm	0.0047 ppm
Concentration per Run	24.7206 ppm	0.7909 ppm	0.0030 ppm	3.6871 ppm	0.0941 ppm	0.0478 ppm	0.0039 ppm
Concentration per Run	24.6015 ppm	0.7832 ppm	0.0018 ppm	3.6791 ppm	0.0925 ppm	0.0492 ppm	0.0030 ppm
Concentration RSD	0.3 %	0.5 %	26.9 %	0.3 %	0.9 %	2.6 %	21.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0049 ppm	14.7297 ppm	0.0093 ppm	0.0244 ppm	4.4481 ppm	0.0023 ppm	0.1487 ppm
Concentration per Run	0.0063 ppm	14.7449 ppm	0.0098 ppm	0.0244 ppm	4.4362 ppm	0.0029 ppm	0.1488 ppm
Concentration per Run	0.0060 ppm	14.7246 ppm	0.0094 ppm	0.0245 ppm	4.4657 ppm	0.0019 ppm	0.1488 ppm
Concentration per Run	0.0024 ppm	14.7197 ppm	0.0088 ppm	0.0244 ppm	4.4424 ppm	0.0022 ppm	0.1489 ppm
Concentration RSD	44.4 %	0.1 %	5.3 %	0.2 %	0.4 %	22.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1334 ppm	98.2261 %	98.2388 %	93.3293 %	102.7481 %	104.0045 %	102.7208 %
Concentration per Run	0.1336 ppm	98.1243 %	97.9457 %	93.2132 %	102.4126 %	104.0571 %	102.9419 %
Concentration per Run	0.1332 ppm	98.6088 %	97.9654 %	93.2629 %	103.4338 %	103.5149 %	102.5149 %
Concentration per Run	0.1334 ppm	97.9453 %	98.8052 %	93.5118 %	102.3977 %	104.6132 %	102.7057 %
Concentration RSD	0.1 %	0.3 %	0.5 %	0.2 %	0.6 %	0.6 %	0.2 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-01d4 WG2112634

Analysis started at: 9/11/2025 11:14:35 PM

Comment: T1 IS RR

Rack Number: 4

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	52.1551 ppm	0.0317 ppm	0.0006 ppm	0.0950 ppm	0.0119 ppm	11.4323 ppm
Concentration per Run	0.0026 ppm	52.0907 ppm	0.0314 ppm	0.0025 ppm	0.0956 ppm	0.0119 ppm	11.4135 ppm
Concentration per Run	0.0017 ppm	52.3525 ppm	0.0325 ppm	0.0003 ppm	0.0950 ppm	0.0118 ppm	11.4497 ppm
Concentration per Run	0.0019 ppm	52.0221 ppm	0.0313 ppm	-0.0011 ppm	0.0944 ppm	0.0118 ppm	11.4338 ppm
Concentration RSD	22.4 %	0.3 %	2.1 %	327.5 %	0.6 %	0.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0510 ppm	0.0752 ppm	0.0888 ppm	209.3118 ppm	10.1755 ppm	0.5950 ppm
Concentration per Run	0.0008 ppm	0.0516 ppm	0.0750 ppm	0.0893 ppm	208.6538 ppm	10.2004 ppm	0.5993 ppm
Concentration per Run	0.0007 ppm	0.0513 ppm	0.0752 ppm	0.0883 ppm	209.4082 ppm	10.1896 ppm	0.5879 ppm
Concentration per Run	0.0007 ppm	0.0500 ppm	0.0755 ppm	0.0887 ppm	209.8736 ppm	10.1365 ppm	0.5978 ppm
Concentration RSD	6.7 %	1.7 %	0.4 %	0.6 %	0.3 %	0.3 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	45.3816 ppm	4.1233 ppm	0.0114 ppm	3.1385 ppm	0.0957 ppm	0.0899 ppm	-0.0002 ppm
Concentration per Run	44.9155 ppm	4.1275 ppm	0.0109 ppm	3.1215 ppm	0.0943 ppm	0.0897 ppm	0.0029 ppm
Concentration per Run	45.4905 ppm	4.1384 ppm	0.0121 ppm	3.1672 ppm	0.0966 ppm	0.0907 ppm	-0.0039 ppm
Concentration per Run	45.7389 ppm	4.1039 ppm	0.0112 ppm	3.1268 ppm	0.0963 ppm	0.0894 ppm	0.0003 ppm
Concentration RSD	0.9 %	0.4 %	5.4 %	0.8 %	1.3 %	0.7 %	1.5210 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	1.9765 ppm	0.0036 ppm	0.0242 ppm	1.6406 ppm	0.0009 ppm	0.1822 ppm
Concentration per Run	0.0044 ppm	1.9663 ppm	0.0035 ppm	0.0243 ppm	1.6315 ppm	0.0002 ppm	0.1811 ppm
Concentration per Run	-0.0027 ppm	1.9789 ppm	0.0045 ppm	0.0240 ppm	1.6404 ppm	0.0005 ppm	0.1823 ppm
Concentration per Run	0.0031 ppm	1.9843 ppm	0.0029 ppm	0.0242 ppm	1.6497 ppm	0.0019 ppm	0.1832 ppm
Concentration RSD	241.2 %	0.5 %	22.8 %	0.6 %	0.6 %	101.7 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1988 ppm	102.3227 %	101.6194 %	95.3526 %	134.1033 %	135.2852 %	134.5994 %
Concentration per Run	0.1989 ppm	102.3883 %	101.5187 %	95.0607 %	134.1751 %	134.0329 %	134.1170 %
Concentration per Run	0.1978 ppm	102.4843 %	101.3737 %	94.8021 %	134.0326 %	136.9995 %	133.9577 %
Concentration per Run	0.1998 ppm	102.0955 %	101.9657 %	96.1950 %	134.1023 %	134.8231 %	135.7236 %
Concentration RSD	0.5 %	0.2 %	0.3 %	0.8 %	0.1 %	1.1 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-02d4 WG2112634

Analysis started at: 9/11/2025 11:16:41 PM

Comment: T1 IS RR

Rack Number: 4

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0010 ppm	75.8100 ppm	0.0235 ppm	0.0014 ppm	0.1260 ppm	0.0116 ppm	16.8085 ppm
Concentration per Run	0.0015 ppm	76.0499 ppm	0.0226 ppm	0.0015 ppm	0.1259 ppm	0.0116 ppm	16.8511 ppm
Concentration per Run	0.0013 ppm	75.7246 ppm	0.0240 ppm	0.0024 ppm	0.1262 ppm	0.0116 ppm	16.7643 ppm
Concentration per Run	0.0002 ppm	75.6554 ppm	0.0237 ppm	0.0002 ppm	0.1258 ppm	0.0115 ppm	16.8101 ppm
Concentration RSD	67.6 %	0.3 %	3.1 %	79.2 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0487 ppm	0.0758 ppm	0.0861 ppm	175.3513 ppm	17.0880 ppm	1.0896 ppm
Concentration per Run	0.0006 ppm	0.0481 ppm	0.0753 ppm	0.0864 ppm	176.1810 ppm	17.0677 ppm	1.0891 ppm
Concentration per Run	0.0006 ppm	0.0491 ppm	0.0762 ppm	0.0859 ppm	174.6055 ppm	17.1374 ppm	1.0868 ppm
Concentration per Run	0.0006 ppm	0.0489 ppm	0.0761 ppm	0.0861 ppm	175.2674 ppm	17.0588 ppm	1.0929 ppm
Concentration RSD	5.4 %	1.1 %	0.6 %	0.3 %	0.5 %	0.3 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	76.3939 ppm	3.7233 ppm	0.0034 ppm	4.7106 ppm	0.1042 ppm	0.0947 ppm	-0.0025 ppm
Concentration per Run	75.8540 ppm	3.7329 ppm	0.0030 ppm	4.7095 ppm	0.1050 ppm	0.0955 ppm	-0.0035 ppm
Concentration per Run	75.8516 ppm	3.7158 ppm	0.0035 ppm	4.7128 ppm	0.1031 ppm	0.0937 ppm	-0.0022 ppm
Concentration per Run	77.6761 ppm	3.7211 ppm	0.0036 ppm	4.7095 ppm	0.1044 ppm	0.0949 ppm	-0.0018 ppm
Concentration RSD	1.5 %	0.2 %	10.1 %	0.0 %	0.9 %	1.0 %	35.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	1.1024 ppm	0.0046 ppm	0.0356 ppm	2.7865 ppm	0.0014 ppm	0.1608 ppm
Concentration per Run	0.0028 ppm	1.1041 ppm	0.0053 ppm	0.0357 ppm	2.7652 ppm	0.0014 ppm	0.1601 ppm
Concentration per Run	0.0007 ppm	1.0923 ppm	0.0048 ppm	0.0356 ppm	2.7667 ppm	0.0018 ppm	0.1601 ppm
Concentration per Run	0.0027 ppm	1.1110 ppm	0.0036 ppm	0.0354 ppm	2.8276 ppm	0.0009 ppm	0.1623 ppm
Concentration RSD	56.2 %	0.9 %	18.9 %	0.4 %	1.3 %	35.1 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2218 ppm	100.5886 %	100.4576 %	93.4107 %	136.9840 %	142.0269 %	136.6710 %
Concentration per Run	0.2216 ppm	100.6666 %	100.0704 %	94.3154 %	136.4470 %	141.6705 %	137.5584 %
Concentration per Run	0.2200 ppm	101.7680 %	100.3057 %	93.1509 %	138.3763 %	141.9942 %	136.3760 %
Concentration per Run	0.2239 ppm	99.3312 %	100.9966 %	92.7658 %	136.1286 %	142.4161 %	136.0785 %
Concentration RSD	0.9 %	1.2 %	0.5 %	0.9 %	0.9 %	0.3 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-03d4 WG2112634

Analysis started at: 9/11/2025 11:18:48 PM

Comment: T1 IS RR

Rack Number: 4

Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0014 ppm	78.5347 ppm	0.0281 ppm	0.0009 ppm	0.1267 ppm	0.0136 ppm	6.5748 ppm
Concentration per Run	0.0010 ppm	78.7164 ppm	0.0282 ppm	0.0026 ppm	0.1270 ppm	0.0136 ppm	6.5803 ppm
Concentration per Run	0.0017 ppm	78.5658 ppm	0.0270 ppm	0.0000 ppm	0.1267 ppm	0.0135 ppm	6.5744 ppm
Concentration per Run	0.0015 ppm	78.3220 ppm	0.0289 ppm	0.0000 ppm	0.1265 ppm	0.0136 ppm	6.5696 ppm
Concentration RSD	23.7 %	0.3 %	3.4 %	169.3 %	0.2 %	0.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0630 ppm	0.0771 ppm	0.0970 ppm	199.9644 ppm	12.5970 ppm	1.0452 ppm
Concentration per Run	0.0007 ppm	0.0630 ppm	0.0776 ppm	0.0967 ppm	200.8464 ppm	12.6320 ppm	1.0590 ppm
Concentration per Run	0.0008 ppm	0.0633 ppm	0.0775 ppm	0.0975 ppm	198.9368 ppm	12.5740 ppm	1.0312 ppm
Concentration per Run	0.0005 ppm	0.0627 ppm	0.0762 ppm	0.0969 ppm	200.1100 ppm	12.5851 ppm	1.0454 ppm
Concentration RSD	22.0 %	0.5 %	1.0 %	0.4 %	0.5 %	0.2 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	64.1062 ppm	4.5525 ppm	0.0050 ppm	4.5959 ppm	0.1203 ppm	0.0951 ppm	-0.0020 ppm
Concentration per Run	64.3630 ppm	4.5630 ppm	0.0050 ppm	4.5870 ppm	0.1205 ppm	0.0943 ppm	-0.0037 ppm
Concentration per Run	63.5841 ppm	4.5533 ppm	0.0049 ppm	4.5984 ppm	0.1211 ppm	0.0965 ppm	-0.0027 ppm
Concentration per Run	64.3715 ppm	4.5412 ppm	0.0051 ppm	4.6024 ppm	0.1193 ppm	0.0945 ppm	0.0003 ppm
Concentration RSD	0.7 %	0.2 %	1.8 %	0.2 %	0.8 %	1.3 %	103.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	1.2918 ppm	0.0051 ppm	0.0235 ppm	2.7048 ppm	0.0011 ppm	0.1723 ppm
Concentration per Run	0.0015 ppm	1.2918 ppm	0.0054 ppm	0.0237 ppm	2.7195 ppm	0.0026 ppm	0.1723 ppm
Concentration per Run	0.0060 ppm	1.2916 ppm	0.0054 ppm	0.0234 ppm	2.6788 ppm	-0.0003 ppm	0.1720 ppm
Concentration per Run	0.0014 ppm	1.2920 ppm	0.0045 ppm	0.0234 ppm	2.7162 ppm	0.0010 ppm	0.1726 ppm
Concentration RSD	88.6 %	0.0 %	10.1 %	0.7 %	0.8 %	126.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2024 ppm	102.0568 ppm	101.9848 ppm	94.8006 ppm	142.9789 ppm	147.1592 ppm	142.5634 ppm
Concentration per Run	0.2031 ppm	101.7115 ppm	102.3292 ppm	95.6583 ppm	142.6079 ppm	148.2065 ppm	143.8535 ppm
Concentration per Run	0.2019 ppm	102.2643 ppm	102.1048 ppm	94.5082 ppm	142.8186 ppm	147.3906 ppm	142.3273 ppm
Concentration per Run	0.2022 ppm	102.1946 ppm	101.5205 ppm	94.2354 ppm	143.5102 ppm	145.8805 ppm	141.5094 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.8 %	0.3 %	0.8 %	0.8 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-04d4 WG2112634

Analysis started at: 9/11/2025 11:20:55 PM

Comment: T1 IS RR

Rack Number: 4

Vial Numbers: 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0010 ppm	78.8747 ppm	0.0196 ppm	0.0031 ppm	0.1753 ppm	0.0085 ppm	35.7653 ppm
Concentration per Run	0.0013 ppm	78.9470 ppm	0.0194 ppm	0.0033 ppm	0.1761 ppm	0.0086 ppm	35.5867 ppm
Concentration per Run	0.0005 ppm	79.0380 ppm	0.0196 ppm	0.0017 ppm	0.1747 ppm	0.0085 ppm	35.9323 ppm
Concentration per Run	0.0011 ppm	78.6391 ppm	0.0199 ppm	0.0044 ppm	0.1751 ppm	0.0085 ppm	35.7768 ppm
Concentration RSD	40.7 %	0.3 %	1.2 %	43.3 %	0.4 %	0.7 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	0.0535 ppm	0.0829 ppm	0.1103 ppm	170.8354 ppm	24.1031 ppm	0.9012 ppm
Concentration per Run	0.0004 ppm	0.0539 ppm	0.0822 ppm	0.1107 ppm	171.2329 ppm	24.1279 ppm	0.9080 ppm
Concentration per Run	0.0003 ppm	0.0538 ppm	0.0837 ppm	0.1105 ppm	171.5490 ppm	24.1711 ppm	0.8958 ppm
Concentration per Run	0.0003 ppm	0.0528 ppm	0.0830 ppm	0.1098 ppm	169.7245 ppm	24.0102 ppm	0.9000 ppm
Concentration RSD	26.4 %	1.1 %	0.9 %	0.4 %	0.6 %	0.3 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	95.7159 ppm	3.1031 ppm	0.0019 ppm	6.4742 ppm	0.1060 ppm	0.0735 ppm	0.0004 ppm
Concentration per Run	94.7363 ppm	3.0926 ppm	0.0017 ppm	6.5024 ppm	0.1060 ppm	0.0749 ppm	-0.0008 ppm
Concentration per Run	96.0632 ppm	3.1185 ppm	0.0019 ppm	6.4521 ppm	0.1057 ppm	0.0730 ppm	0.0017 ppm
Concentration per Run	96.3480 ppm	3.0980 ppm	0.0022 ppm	6.4681 ppm	0.1062 ppm	0.0726 ppm	0.0001 ppm
Concentration RSD	0.9 %	0.4 %	11.3 %	0.4 %	0.2 %	1.7 %	352.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	1.5577 ppm	0.0057 ppm	0.0572 ppm	2.9468 ppm	0.0015 ppm	0.1583 ppm
Concentration per Run	0.0008 ppm	1.5568 ppm	0.0055 ppm	0.0574 ppm	2.9167 ppm	0.0029 ppm	0.1575 ppm
Concentration per Run	-0.0004 ppm	1.5568 ppm	0.0051 ppm	0.0570 ppm	2.9587 ppm	0.0007 ppm	0.1587 ppm
Concentration per Run	0.0018 ppm	1.5594 ppm	0.0066 ppm	0.0570 ppm	2.9650 ppm	0.0009 ppm	0.1586 ppm
Concentration RSD	151.3 %	0.1 %	13.4 %	0.5 %	0.9 %	80.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2201 ppm	99.3812 %	100.0068 %	91.6234 %	134.4708 %	138.8888 %	133.3380 %
Concentration per Run	0.2191 ppm	99.9995 %	99.7696 %	91.2923 %	135.2352 %	139.3314 %	133.1961 %
Concentration per Run	0.2214 ppm	98.6742 %	99.4637 %	91.4411 %	133.7437 %	137.9210 %	133.0832 %
Concentration per Run	0.2197 ppm	99.4699 %	100.7871 %	92.1368 %	134.4337 %	139.4140 %	133.7345 %
Concentration RSD	0.5 %	0.7 %	0.7 %	0.5 %	0.6 %	0.6 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2555680-05d4 WG2112634

Analysis started at: 9/11/2025 11:23:01 PM

Comment: T1 IS RR

Rack Number: 4

Vial Numbers: 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0011 ppm	100.6018 ppm	0.0078 ppm	0.0014 ppm	0.1851 ppm	0.0081 ppm	5.6992 ppm
Concentration per Run	0.0016 ppm	100.7194 ppm	0.0086 ppm	0.0018 ppm	0.1846 ppm	0.0081 ppm	5.7122 ppm
Concentration per Run	0.0013 ppm	100.5430 ppm	0.0064 ppm	0.0005 ppm	0.1850 ppm	0.0082 ppm	5.6814 ppm
Concentration per Run	0.0005 ppm	100.5428 ppm	0.0084 ppm	0.0021 ppm	0.1857 ppm	0.0081 ppm	5.7040 ppm
Concentration RSD	48.9 %	0.1 %	15.6 %	59.9 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0411 ppm	0.1067 ppm	0.1771 ppm	138.5871 ppm	47.6738 ppm	1.3001 ppm
Concentration per Run	0.0008 ppm	0.0411 ppm	0.1065 ppm	0.1762 ppm	137.7693 ppm	47.6265 ppm	1.2811 ppm
Concentration per Run	0.0008 ppm	0.0417 ppm	0.1069 ppm	0.1777 ppm	138.7784 ppm	47.4475 ppm	1.3054 ppm
Concentration per Run	0.0005 ppm	0.0406 ppm	0.1066 ppm	0.1773 ppm	139.2138 ppm	47.9473 ppm	1.3135 ppm
Concentration RSD	21.4 %	1.3 %	0.2 %	0.4 %	0.5 %	0.5 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	120.8759 ppm	2.0849 ppm	-0.0004 ppm	10.5003 ppm	0.1301 ppm	0.0486 ppm	0.0021 ppm
Concentration per Run	120.8031 ppm	2.0950 ppm	-0.0004 ppm	10.5927 ppm	0.1295 ppm	0.0486 ppm	0.0010 ppm
Concentration per Run	120.4853 ppm	2.0690 ppm	-0.0003 ppm	10.4147 ppm	0.1300 ppm	0.0487 ppm	0.0064 ppm
Concentration per Run	121.3392 ppm	2.0907 ppm	-0.0005 ppm	10.4936 ppm	0.1308 ppm	0.0484 ppm	-0.0013 ppm
Concentration RSD	0.4 %	0.7 %	24.9 %	0.8 %	0.5 %	0.3 %	191.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	2.1049 ppm	0.0055 ppm	0.0324 ppm	3.5142 ppm	0.0027 ppm	0.1949 ppm
Concentration per Run	0.0031 ppm	2.0946 ppm	0.0055 ppm	0.0325 ppm	3.5171 ppm	0.0022 ppm	0.1943 ppm
Concentration per Run	-0.0022 ppm	2.1088 ppm	0.0055 ppm	0.0323 ppm	3.5035 ppm	0.0028 ppm	0.1951 ppm
Concentration per Run	0.0058 ppm	2.1114 ppm	0.0054 ppm	0.0323 ppm	3.5220 ppm	0.0032 ppm	0.1952 ppm
Concentration RSD	179.6 %	0.4 %	1.6 %	0.3 %	0.3 %	17.9 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2954 ppm	100.7696 ppm	101.1916 ppm	93.7007 ppm	124.6293 ppm	127.7099 ppm	124.5399 ppm
Concentration per Run	0.2940 ppm	101.1280 ppm	100.9610 ppm	93.3648 ppm	124.5651 ppm	127.5519 ppm	123.7870 ppm
Concentration per Run	0.2954 ppm	100.2447 ppm	101.7652 ppm	93.8943 ppm	123.9699 ppm	128.0218 ppm	125.1333 ppm
Concentration per Run	0.2968 ppm	100.9360 ppm	100.8487 ppm	93.8431 ppm	125.3531 ppm	127.5561 ppm	124.6996 ppm
Concentration RSD	0.5 %	0.5 %	0.5 %	0.3 %	0.6 %	0.2 %	0.6 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

Sample: L2556217-06d4 WG2112634

Analysis started at: 9/11/2025 11:25:08 PM

Comment: Mn LDR RR

Rack Number: 4

Vial Numbers: 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	59.3661 ppm	0.0132 ppm	0.0152 ppm	2.4078 ppm	0.0045 ppm	8.4229 ppm
Concentration per Run	-0.0006 ppm	59.3122 ppm	0.0124 ppm	0.0147 ppm	2.4056 ppm	0.0045 ppm	8.4353 ppm
Concentration per Run	0.0003 ppm	59.3441 ppm	0.0139 ppm	0.0163 ppm	2.4006 ppm	0.0045 ppm	8.4225 ppm
Concentration per Run	-0.0001 ppm	59.4419 ppm	0.0134 ppm	0.0145 ppm	2.4171 ppm	0.0044 ppm	8.4110 ppm
Concentration RSD	338.5 %	0.1 %	5.6 %	6.4 %	0.4 %	1.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0902 ppm	0.1079 ppm	0.0480 ppm	114.1343 ppm	8.7083 ppm	0.0876 ppm
Concentration per Run	0.0006 ppm	0.0897 ppm	0.1074 ppm	0.0476 ppm	114.3771 ppm	8.6793 ppm	0.0891 ppm
Concentration per Run	0.0005 ppm	0.0902 ppm	0.1075 ppm	0.0476 ppm	113.4375 ppm	8.7210 ppm	0.0869 ppm
Concentration per Run	0.0007 ppm	0.0905 ppm	0.1086 ppm	0.0487 ppm	114.5882 ppm	8.7247 ppm	0.0868 ppm
Concentration RSD	21.0 %	0.5 %	0.6 %	1.4 %	0.5 %	0.3 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.8800 ppm	12.4611 ppm	0.0002 ppm	0.9435 ppm	0.1275 ppm	0.0862 ppm	-0.0005 ppm
Concentration per Run	21.0235 ppm	12.4452 ppm	0.0000 ppm	0.9512 ppm	0.1280 ppm	0.0861 ppm	-0.0019 ppm
Concentration per Run	20.8631 ppm	12.4596 ppm	0.0006 ppm	0.9438 ppm	0.1264 ppm	0.0862 ppm	0.0001 ppm
Concentration per Run	20.7533 ppm	12.4784 ppm	-0.0001 ppm	0.9356 ppm	0.1280 ppm	0.0862 ppm	0.0003 ppm
Concentration RSD	0.7 %	0.1 %	211.6 %	0.8 %	0.7 %	0.0 %	242.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0032 ppm	1.8157 ppm	0.0054 ppm	0.0694 ppm	1.3793 ppm	-0.0011 ppm	0.2224 ppm
Concentration per Run	0.0035 ppm	1.8237 ppm	0.0057 ppm	0.0696 ppm	1.3932 ppm	-0.0007 ppm	0.2233 ppm
Concentration per Run	0.0038 ppm	1.8161 ppm	0.0051 ppm	0.0691 ppm	1.3752 ppm	-0.0012 ppm	0.2223 ppm
Concentration per Run	0.0024 ppm	1.8072 ppm	0.0048 ppm	0.0694 ppm	1.3695 ppm	-0.0015 ppm	0.2217 ppm
Concentration RSD	22.6 %	0.5 %	9.9 %	0.4 %	0.9 %	37.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2269 ppm	100.1162 %	99.6717 %	94.6450 %	116.2207 %	118.5336 %	116.4076 %
Concentration per Run	0.2272 ppm	99.5072 %	100.2209 %	94.8116 %	115.3420 %	119.1984 %	116.5487 %
Concentration per Run	0.2270 ppm	100.8001 %	99.1940 %	94.9788 %	117.1530 %	117.9440 %	116.6777 %
Concentration per Run	0.2264 ppm	100.0413 %	99.6002 %	94.1447 %	116.1670 %	118.4585 %	115.9963 %
Concentration RSD	0.2 %	0.6 %	0.5 %	0.5 %	0.8 %	0.5 %	0.3 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample: 9/11/2025 11:27:15 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5062 ppm	0.4881 ppm	0.4829 ppm	0.4706 ppm	0.4965 ppm	0.5096 ppm	0.4916 ppm
Concentration per Run	0.5064 ppm	0.4955 ppm	0.4840 ppm	0.4703 ppm	0.4946 ppm	0.5088 ppm	0.4880 ppm
Concentration per Run	0.5062 ppm	0.4793 ppm	0.4856 ppm	0.4712 ppm	0.4972 ppm	0.5097 ppm	0.4924 ppm
Concentration per Run	0.5058 ppm	0.4897 ppm	0.4791 ppm	0.4703 ppm	0.4976 ppm	0.5104 ppm	0.4943 ppm
Recovery Percentage	101.231 %	97.630 %	96.584 %	94.125 %	99.297 %	101.929 %	98.311 %
Concentration RSD	0.1 %	1.7 %	0.7 %	0.1 %	0.3 %	0.2 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5085 ppm	0.5083 ppm	0.5126 ppm	0.5258 ppm	0.5002 ppm	5.1635 ppm	0.5164 ppm
Concentration per Run	0.5078 ppm	0.5078 ppm	0.5102 ppm	0.5238 ppm	0.5017 ppm	5.1619 ppm	0.5056 ppm
Concentration per Run	0.5096 ppm	0.5104 ppm	0.5154 ppm	0.5281 ppm	0.4989 ppm	5.1589 ppm	0.5251 ppm
Concentration per Run	0.5080 ppm	0.5069 ppm	0.5123 ppm	0.5254 ppm	0.5000 ppm	5.1697 ppm	0.5185 ppm
Recovery Percentage	101.696 %	101.669 %	102.526 %	105.156 %	100.040 %	103.270 %	103.278 %
Concentration RSD	0.2 %	0.4 %	0.5 %	0.4 %	0.3 %	0.1 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5184 ppm	0.5009 ppm	0.4818 ppm	10.0126 ppm	0.5170 ppm	0.5124 ppm	0.5085 ppm
Concentration per Run	0.5206 ppm	0.5020 ppm	0.4821 ppm	9.9777 ppm	0.5151 ppm	0.5104 ppm	0.5042 ppm
Concentration per Run	0.5186 ppm	0.4826 ppm	0.4826 ppm	10.1080 ppm	0.5191 ppm	0.5152 ppm	0.5103 ppm
Concentration per Run	0.5161 ppm	0.5009 ppm	0.4807 ppm	9.9520 ppm	0.5168 ppm	0.5116 ppm	0.5113 ppm
Recovery Percentage	103.682 %	100.178 %	100.178 %	96.359 %	103.401 %	102.481 %	101.719 %
Concentration RSD	0.4 %	0.2 %	0.2 %	0.8 %	0.4 %	0.5 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4785 ppm	5.4447 ppm	0.4918 ppm	0.5113 ppm	0.5078 ppm	0.4853 ppm	0.5195 ppm
Concentration per Run	0.4759 ppm	5.4412 ppm	0.4895 ppm	0.5101 ppm	0.5096 ppm	0.4877 ppm	0.5187 ppm
Concentration per Run	0.4813 ppm	5.4531 ppm	0.4933 ppm	0.5120 ppm	0.5082 ppm	0.4849 ppm	0.5205 ppm
Concentration per Run	0.4782 ppm	5.4397 ppm	0.4925 ppm	0.5117 ppm	0.5057 ppm	0.4832 ppm	0.5193 ppm
Recovery Percentage	95.694 %	103.708 %	98.356 %	102.252 %	101.569 %	97.054 %	103.901 %
Concentration RSD	0.6 %	0.1 %	0.4 %	0.2 %	0.4 %	0.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4838 ppm	97.2740 %	95.4515 %	95.4352 %	95.3509 %	95.1570 %	94.7067 %
Concentration per Run	0.4837 ppm	96.8168 %	96.7562 %	96.4516 %	95.0272 %	96.2404 %	95.4003 %
Concentration per Run	0.4855 ppm	96.9036 %	94.3476 %	94.9987 %	95.1231 %	96.3672 %	94.6030 %
Concentration per Run	0.4823 ppm	98.1015 %	95.2506 %	94.8553 %	95.9026 %	94.8633 %	94.1169 %
Recovery Percentage	96.765 %						
Concentration RSD	0.3 %	0.7 %	1.3 %	0.9 %	0.5 %	1.0 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCB

Sample: 9/11/2025 11:29:21 PM

Analysis started at:

Comment: <Comment>

Rack Number

Vial Numbers

0

4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0007 ppm	-0.0089 ppm	0.0014 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0030 ppm
Concentration per Run	-0.0007 ppm	-0.0007 ppm	0.0021 ppm	0.0034 ppm	0.0000 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run	-0.0002 ppm	-0.0082 ppm	0.0025 ppm	-0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0020 ppm
Concentration per Run	-0.0012 ppm	-0.0152 ppm	-0.0003 ppm	-0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0039 ppm
Recovery Percentage	-10.272 %	-8.930 %	28.618 %	-1.718 %	-0.177 %	0.729 %	-3.008 %
Concentration RSD	66.6 %	66.9 %	103.9 %	132.0 %	289.9 %	40.7 %	32.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0007 ppm	0.0007 ppm	0.0001 ppm	0.0014 ppm	-0.0269 ppm	0.0017 ppm
Concentration per Run	0.0001 ppm	0.0009 ppm	0.0009 ppm	0.0001 ppm	0.0016 ppm	-0.0359 ppm	0.0021 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0006 ppm	0.0010 ppm	-0.0329 ppm	0.0032 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0001 ppm	-0.0005 ppm	0.0015 ppm	-0.0117 ppm	-0.0003 ppm
Recovery Percentage	1.065 %	3.405 %	0.683 %	0.673 %	2.720 %	-1.074 %	33.335 %
Concentration RSD	123.8 %	34.1 %	799.2 %	799.2 %	22.5 %	49.2 %	108.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0024 ppm	-0.0002 ppm	0.0002 ppm	-0.0079 ppm	-0.0010 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	-0.0018 ppm	-0.0002 ppm	0.0002 ppm	-0.0071 ppm	-0.0016 ppm	0.0005 ppm	0.0014 ppm
Concentration per Run	-0.0003 ppm	-0.0003 ppm	0.0001 ppm	-0.0060 ppm	-0.0007 ppm	0.0001 ppm	-0.0027 ppm
Concentration per Run	-0.0051 ppm	-0.0002 ppm	0.0002 ppm	-0.0105 ppm	-0.0007 ppm	0.0001 ppm	0.0012 ppm
Recovery Percentage	-2.409 %	-2.141 %	0.308 %	-0.393 %	-4.153 %	2.407 %	-0.041 %
Concentration RSD	102.2 %	18.8 %	16.6 %	29.9 %	49.9 %	78.8 %	11.539.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	0.0023 ppm	0.0011 ppm	0.0000 ppm	-0.0007 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run	0.0009 ppm	0.0047 ppm	0.0010 ppm	0.0000 ppm	-0.0005 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run	-0.0004 ppm	-0.0014 ppm	0.0017 ppm	0.0001 ppm	-0.0009 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0005 ppm	0.0037 ppm	0.0006 ppm	0.0000 ppm	-0.0007 ppm	0.0022 ppm	-0.0003 ppm
Recovery Percentage	3.409 %	0.462 %	2.231 %	0.233 %	-7.192 %	2.545 %	-2.483 %
Concentration RSD	204.5 %	142.0 %	46.3 %	244.3 %	32.0 %	301.5 %	52.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	96.7744 %	94.6318 %	95.0614 %	97.1768 %	96.0052 %	95.3992 %
Concentration per Run	0.0002 ppm	96.8674 %	94.4467 %	94.6088 %	96.7950 %	96.0659 %	95.0603 %
Concentration per Run	-0.0001 ppm	96.5888 %	94.6107 %	94.9337 %	97.3123 %	95.5291 %	95.3687 %
Concentration per Run	0.0000 ppm	96.8669 %	94.8379 %	95.6436 %	97.4232 %	96.4206 %	95.7687 %
Recovery Percentage	0.630 %	0.2 %	0.2 %	0.6 %	0.3 %	0.5 %	0.4 %
Concentration RSD	476.7 %	0.2 %	0.2 %	0.6 %	0.3 %	0.5 %	0.4 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

CCV

Sample: 9/11/2025 11:31:28 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5023 ppm	0.4751 ppm	0.4796 ppm	0.4641 ppm	0.4915 ppm	0.5055 ppm	0.4871 ppm
Concentration per Run	0.5022 ppm	0.4765 ppm	0.4823 ppm	0.4621 ppm	0.4925 ppm	0.5053 ppm	0.4939 ppm
Concentration per Run	0.5013 ppm	0.4776 ppm	0.4808 ppm	0.4643 ppm	0.4909 ppm	0.5066 ppm	0.4792 ppm
Concentration per Run	0.5034 ppm	0.4711 ppm	0.4756 ppm	0.4660 ppm	0.4909 ppm	0.5045 ppm	0.4882 ppm
Recovery Percentage	100.463 %	95.012 %	95.917 %	92.830 %	98.290 %	101.091 %	97.417 %
Concentration RSD	0.2 %	0.7 %	0.7 %	0.4 %	0.2 %	0.2 %	1.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5015 ppm	0.5025 ppm	0.5073 ppm	0.5201 ppm	0.4926 ppm	5.1104 ppm	0.5095 ppm
Concentration per Run	0.5032 ppm	0.5028 ppm	0.5086 ppm	0.5214 ppm	0.4951 ppm	5.1556 ppm	0.5098 ppm
Concentration per Run	0.5002 ppm	0.5016 ppm	0.5084 ppm	0.5189 ppm	0.4919 ppm	5.0849 ppm	0.5130 ppm
Concentration per Run	0.5011 ppm	0.5079 ppm	0.5099 ppm	0.5199 ppm	0.4908 ppm	5.0906 ppm	0.5058 ppm
Recovery Percentage	100.300 %	100.509 %	101.464 %	104.016 %	98.517 %	102.207 %	101.901 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.2 %	0.5 %	0.8 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5144 ppm	0.4961 ppm	0.4747 ppm	9.9665 ppm	0.5091 ppm	0.5084 ppm	0.5022 ppm
Concentration per Run	0.5167 ppm	0.4981 ppm	0.4758 ppm	9.9658 ppm	0.5104 ppm	0.5088 ppm	0.5050 ppm
Concentration per Run	0.5115 ppm	0.4945 ppm	0.4727 ppm	9.9305 ppm	0.5073 ppm	0.5077 ppm	0.5026 ppm
Concentration per Run	0.5149 ppm	0.4957 ppm	0.4756 ppm	10.0633 ppm	0.5096 ppm	0.5087 ppm	0.4990 ppm
Recovery Percentage	102.874 %	99.217 %	94.938 %	99.865 %	101.821 %	101.679 %	100.441 %
Concentration RSD	0.5 %	0.4 %	0.4 %	0.7 %	0.3 %	0.1 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.4738 ppm	5.3753 ppm	0.4822 ppm	0.5059 ppm	0.5049 ppm	0.4826 ppm	0.5140 ppm
Concentration per Run	0.4745 ppm	5.3898 ppm	0.4806 ppm	0.5054 ppm	0.5075 ppm	0.4833 ppm	0.5153 ppm
Concentration per Run	0.4736 ppm	5.3528 ppm	0.4798 ppm	0.5057 ppm	0.5018 ppm	0.4804 ppm	0.5117 ppm
Concentration per Run	0.4732 ppm	5.3833 ppm	0.4864 ppm	0.5067 ppm	0.5054 ppm	0.4841 ppm	0.5150 ppm
Recovery Percentage	94.752 %	102.387 %	96.449 %	101.182 %	100.977 %	96.521 %	102.803 %
Concentration RSD	0.1 %	0.4 %	0.7 %	0.1 %	0.6 %	0.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4748 ppm	98.5874 %	95.7754 %	95.7151 %	96.7761 %	95.9370 %	94.7355 %
Concentration per Run	0.4757 ppm	98.8271 %	95.2245 %	95.4430 %	97.4218 %	95.7775 %	94.3900 %
Concentration per Run	0.4733 ppm	99.1582 %	96.6542 %	96.3750 %	96.9239 %	95.9487 %	95.5088 %
Concentration per Run	0.4754 ppm	97.7770 %	95.4475 %	95.3272 %	95.9824 %	96.0848 %	94.3078 %
Recovery Percentage	94.967 %						
Concentration RSD	0.3 %	0.7 %	0.8 %	0.6 %	0.8 %	0.2 %	0.7 %

ICP DataTrace 11

9/12/2025 5:48:19 AM



LabBook: WG2113372_20250911_T11.imexp

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Sample: 9/11/2025 11:33:35 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0008 ppm	-0.0025 ppm	0.0014 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm	-0.0036 ppm
Concentration per Run	-0.0008 ppm	-0.0133 ppm	0.0031 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0029 ppm
Concentration per Run	-0.0015 ppm	0.0105 ppm	0.0008 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0024 ppm
Concentration per Run	-0.0001 ppm	-0.0046 ppm	0.0004 ppm	-0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0056 ppm
Recovery Percentage	-11.555 %	-2.513 %	28.851 %	-1.718 %	-1.531 %	0.166 %	-3.635 %
Concentration RSD	87.5 %	479.1 %	101.5 %	185.3 %	47.3 %	362.6 %	48.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm	0.0010 ppm	-0.0163 ppm	0.0018 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0005 ppm	-0.0001 ppm	-0.0001 ppm	-0.0224 ppm	0.0004 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0002 ppm	-0.0003 ppm	0.0016 ppm	0.0014 ppm	0.0023 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0003 ppm	0.0015 ppm	-0.0279 ppm	0.0027 ppm
Recovery Percentage	1.445 %	2.549 %	-0.456 %	-0.193 %	1.986 %	-0.651 %	36.363 %
Concentration RSD	145.4 %	22.6 %	520.0 %	1,498.1 %	92.4 %	95.8 %	67.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0034 ppm	-0.0002 ppm	0.0002 ppm	-0.0061 ppm	0.0000 ppm	0.0009 ppm	-0.0006 ppm
Concentration per Run	-0.0030 ppm	-0.0004 ppm	0.0005 ppm	-0.0031 ppm	-0.0004 ppm	0.0015 ppm	-0.0019 ppm
Concentration per Run	-0.0058 ppm	-0.0002 ppm	0.0000 ppm	-0.0093 ppm	0.0004 ppm	0.0002 ppm	-0.0007 ppm
Concentration per Run	-0.0015 ppm	-0.0002 ppm	0.0000 ppm	-0.0057 ppm	0.0001 ppm	0.0009 ppm	0.0007 ppm
Recovery Percentage	-3.414 %	-2.495 %	0.335 %	-0.303 %	0.112 %	8.532 %	-1.288 %
Concentration RSD	63.4 %	41.3 %	176.3 %	51.6 %	1,558.2 %	79.0 %	198.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0007 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	-0.0014 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run	-0.0014 ppm	-0.0017 ppm	-0.0003 ppm	0.0000 ppm	-0.0015 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run	-0.0004 ppm	-0.0001 ppm	-0.0004 ppm	0.0000 ppm	-0.0014 ppm	0.0002 ppm	-0.0004 ppm
Concentration per Run	-0.0003 ppm	0.0030 ppm	0.0012 ppm	0.0000 ppm	-0.0013 ppm	0.0020 ppm	-0.0001 ppm
Recovery Percentage	-6.945 %	0.082 %	0.327 %	-0.190 %	-14.204 %	3.423 %	-0.691 %
Concentration RSD	87.3 %	586.1 %	560.6 %	119.7 %	9.2 %	162.6 %	446.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	96.6779 %	93.6495 %	95.0474 %	96.7279 %	95.2909 %	95.4848 %
Concentration per Run	0.0000 ppm	96.6247 %	94.0254 %	95.3371 %	96.4091 %	96.2068 %	95.8052 %
Concentration per Run	0.0006 ppm	96.3793 %	93.5396 %	95.1401 %	96.3333 %	94.3717 %	95.6490 %
Concentration per Run	0.0002 ppm	97.0299 %	93.3835 %	94.6649 %	97.4412 %	95.2942 %	95.0003 %
Recovery Percentage	5.710 %	0.3 %	0.4 %	0.4 %	0.6 %	1.0 %	0.4 %
Concentration RSD	90.5 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: XBlank EFM Trace11
Analysis started at: 9/12/2025 7:37:02 AM
Comment: <Comment>
Rack Number: 0
Vial Numbers: 1

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: Blank EFM Trace11
Analysis started at: 9/12/2025 7:39:06 AM
Comment: <Comment>
Rack Number: 0
Vial Numbers: 1

Concentration average	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.2 %	-2.7 %	1.3 %	0.4 %	0.4 %	3.0 %	0.2 %
Concentration average	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.5 %	0.4 %	0.3 %	0.1 %	-0.1 %	-0.3 %	0.2 %
Concentration average	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-5.1 %	-0.4 %	1.3 %	0.2 %	-0.3 %	0.8 %	-1.7 %
Concentration average	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.8 %	0.1 %	1.5 %	0.4 %	-0.2 %	0.9 %	1.5 %
Concentration average	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: ICAL

Analysis started at: 9/12/2025 7:41:10 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 2

	Ag 328.068	Al 396.152	As 189.042	B 208.959	Ba 455.403	Be 313.042	Ca 315.887
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run	0.9933 ppm	25.1319 ppm	1.0021 ppm	0.9975 ppm	1.0026 ppm	1.0039 ppm	10.0382 ppm
Concentration per Run	0.9958 ppm	25.0339 ppm	0.9960 ppm	0.9910 ppm	1.0004 ppm	0.9983 ppm	9.9846 ppm
Concentration per Run	1.0110 ppm	24.8342 ppm	1.0020 ppm	1.0115 ppm	0.9970 ppm	0.9978 ppm	9.9771 ppm
Concentration RSD	1.0 %	0.6 %	0.3 %	1.0 %	0.3 %	0.3 %	0.3 %

	Cd 214.438	Co 228.616	Cr 267.716	Cu 324.754	Fe 259.940	K 766.490	Li 670.776
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run	0.9904 ppm	0.9966 ppm	1.0001 ppm	0.9953 ppm	25.1577 ppm	34.9869 ppm	1.0090 ppm
Concentration per Run	0.9899 ppm	1.0055 ppm	0.9936 ppm	0.9932 ppm	25.0015 ppm	35.0629 ppm	0.9972 ppm
Concentration per Run	1.0197 ppm	0.9979 ppm	1.0063 ppm	1.0114 ppm	24.8408 ppm	34.9502 ppm	0.9938 ppm
Concentration RSD	1.7 %	0.5 %	0.6 %	1.0 %	0.6 %	0.2 %	0.8 %

	Mg 279.079	Mn 257.610	Mo 202.030	Na 589.592	Ni 231.604	Pb 220.353	Sb 206.833
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	9.8491 ppm	1.0035 ppm	0.9946 ppm	25.0059 ppm	0.9969 ppm	0.9965 ppm	0.9945 ppm
Concentration per Run	9.8410 ppm	0.9988 ppm	1.0016 ppm	24.9841 ppm	0.9923 ppm	0.9950 ppm	0.9982 ppm
Concentration per Run	10.3099 ppm	0.9997 ppm	1.0037 ppm	25.0099 ppm	1.0108 ppm	1.0085 ppm	1.0074 ppm
Concentration RSD	2.7 %	0.3 %	0.5 %	0.1 %	1.0 %	0.7 %	0.7 %

	Se 196.090	Si 212.412	Sn 189.989	Sr 421.552	Ti 334.904	Tl 190.856	V 292.402
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	1.0010 ppm	9.9416 ppm	0.9964 ppm	1.0022 ppm	0.9842 ppm	1.0035 ppm	0.9951 ppm
Concentration per Run	0.9937 ppm	9.9991 ppm	0.9990 ppm	0.9990 ppm	0.9855 ppm	0.9940 ppm	0.9959 ppm
Concentration per Run	1.0053 ppm	10.0993 ppm	1.0084 ppm	0.9989 ppm	1.0303 ppm	1.0025 ppm	1.0089 ppm
Concentration RSD	0.6 %	0.9 %	0.7 %	0.2 %	2.6 %	0.5 %	0.8 %

	Zn 206.200	Sc 361.384	Sc 361.384	Sc 227.318	Y 360.073	Y 371.030	Y 224.306
Concentration average	1.0000 ppm	100.2195 %	101.7106 %	96.8604 %	96.9645 %	99.0372 %	97.4239 %
Concentration per Run	0.9950 ppm	100.5430 %	101.4455 %	96.4409 %	97.1747 %	98.6411 %	96.9659 %
Concentration per Run	0.9974 ppm	101.0984 %	102.4206 %	97.0329 %	97.4910 %	99.1093 %	97.4103 %
Concentration per Run	1.0077 ppm	99.0172 %	101.2656 %	97.1076 %	96.2280 %	99.3610 %	97.8956 %
Concentration RSD	0.7 %	1.1 %	0.6 %	0.4 %	0.7 %	0.4 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

ICV

Sample: 9/12/2025 7:43:14 AM

Analysis started at: <Comment>

Comment: 0

Rack Number: 3

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4925 ppm	0.4619 ppm	0.4731 ppm	0.4883 ppm	0.4816 ppm	0.4924 ppm	0.4812 ppm
Concentration per Run	0.4928 ppm	0.4577 ppm	0.4721 ppm	0.4877 ppm	0.4813 ppm	0.4915 ppm	0.4832 ppm
Concentration per Run	0.4912 ppm	0.4586 ppm	0.4724 ppm	0.4886 ppm	0.4830 ppm	0.4929 ppm	0.4798 ppm
Concentration per Run	0.4936 ppm	0.4695 ppm	0.4746 ppm	0.4887 ppm	0.4806 ppm	0.4927 ppm	0.4805 ppm
Recovery Percentage	98.504 %	92.387 %	94.613 %	97.669 %	96.327 %	98.473 %	96.240 %
Concentration RSD	0.2 %	1.4 %	0.3 %	0.1 %	0.3 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5016 ppm	0.4984 ppm	0.4962 ppm	0.5067 ppm	0.4828 ppm	5.0445 ppm	0.4919 ppm
Concentration per Run	0.5007 ppm	0.4960 ppm	0.4921 ppm	0.5039 ppm	0.4814 ppm	5.0542 ppm	0.4810 ppm
Concentration per Run	0.5016 ppm	0.4991 ppm	0.4984 ppm	0.5080 ppm	0.4830 ppm	5.0122 ppm	0.4947 ppm
Concentration per Run	0.5026 ppm	0.5000 ppm	0.4979 ppm	0.5083 ppm	0.4842 ppm	5.0670 ppm	0.5001 ppm
Recovery Percentage	100.327 %	99.680 %	99.230 %	101.346 %	96.570 %	100.890 %	98.382 %
Concentration RSD	0.2 %	0.4 %	0.7 %	0.5 %	0.3 %	0.6 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5012 ppm	0.4961 ppm	0.4820 ppm	9.9618 ppm	0.5072 ppm	0.4923 ppm	0.5076 ppm
Concentration per Run	0.5040 ppm	0.4963 ppm	0.4815 ppm	9.9940 ppm	0.5058 ppm	0.4932 ppm	0.5025 ppm
Concentration per Run	0.4989 ppm	0.4819 ppm	0.4819 ppm	10.0322 ppm	0.5077 ppm	0.4910 ppm	0.5080 ppm
Concentration per Run	0.5008 ppm	0.4954 ppm	0.4825 ppm	9.8593 ppm	0.5080 ppm	0.4928 ppm	0.5123 ppm
Recovery Percentage	100.245 %	99.228 %	96.394 %	99.618 %	101.435 %	98.461 %	101.524 %
Concentration RSD	0.5 %	0.1 %	0.1 %	0.9 %	0.2 %	0.2 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4767 ppm	5.2978 ppm	0.4832 ppm	0.4843 ppm	0.4944 ppm	0.4952 ppm	0.4976 ppm
Concentration per Run	0.4788 ppm	5.2903 ppm	0.4825 ppm	0.4834 ppm	0.4958 ppm	0.4972 ppm	0.4970 ppm
Concentration per Run	0.4730 ppm	5.3014 ppm	0.4817 ppm	0.4858 ppm	0.4911 ppm	0.4917 ppm	0.4975 ppm
Concentration per Run	0.4783 ppm	5.3016 ppm	0.4853 ppm	0.4838 ppm	0.4964 ppm	0.4966 ppm	0.4983 ppm
Recovery Percentage	95.341 %	100.910 %	96.634 %	96.861 %	98.887 %	99.037 %	99.521 %
Concentration RSD	0.7 %	0.1 %	0.4 %	0.3 %	0.6 %	0.6 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4978 ppm	102.5647 %	102.8328 %	100.9651 %	100.0440 %	101.2048 %	99.8521 %
Concentration per Run	0.4971 ppm	102.4600 %	102.6711 %	101.1071 %	99.8672 %	100.7976 %	100.0223 %
Concentration per Run	0.4978 ppm	102.4297 %	102.5126 %	100.9646 %	99.8912 %	101.9198 %	99.6105 %
Concentration per Run	0.4985 ppm	102.8045 %	103.3148 %	100.8236 %	100.3735 %	100.8969 %	99.9236 %
Recovery Percentage	99.564 %						
Concentration RSD	0.1 %	0.2 %	0.4 %	0.1 %	0.3 %	0.6 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

ICB

Sample: 9/12/2025 7:45:18 AM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0037 ppm
Concentration per Run	0.0008 ppm	0.0043 ppm	0.0003 ppm	0.0029 ppm	0.0000 ppm	0.0018 ppm	0.0018 ppm
Concentration per Run	0.0004 ppm	-0.0042 ppm	-0.0008 ppm	0.0010 ppm	-0.0001 ppm	0.0000 ppm	0.0023 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0003 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0071 ppm
Recovery Percentage	5.516 %	0.233 %	-1.248 %	4.700 %	-0.818 %	-0.353 %	3.708 %
Concentration RSD	114.9 %	1.836.1 %	991.4 %	95.6 %	94.8 %	214.8 %	78.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0013 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0010 ppm	0.0030 ppm	0.0004 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0004 ppm	-0.0017 ppm	-0.0108 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	-0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0016 ppm	0.0040 ppm	0.0002 ppm
Recovery Percentage	-0.635 %	-1.867 %	1.241 %	0.011 %	0.590 %	-0.050 %	2.157 %
Concentration RSD	116.6 %	121.4 %	246.1 %	35.037.0 %	582.8 %	657.5 %	322.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0022 ppm	-0.0001 ppm	-0.0002 ppm	-0.0007 ppm	0.0005 ppm	-0.0005 ppm	0.0025 ppm
Concentration per Run	0.0024 ppm	-0.0003 ppm	0.0000 ppm	0.0009 ppm	0.0009 ppm	-0.0014 ppm	0.0046 ppm
Concentration per Run	-0.0016 ppm	-0.0001 ppm	-0.0002 ppm	-0.0048 ppm	0.0006 ppm	0.0032 ppm	0.0032 ppm
Concentration per Run	-0.0026 ppm	0.0000 ppm	-0.0004 ppm	0.0020 ppm	0.0001 ppm	-0.0005 ppm	-0.0002 ppm
Recovery Percentage	-2.229 %	-1.155 %	-0.389 %	-0.034 %	2.113 %	-5.187 %	5.056 %
Concentration RSD	23.3 %	120.8 %	111.0 %	545.4 %	68.6 %	165.7 %	97.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run	0.0022 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run	0.0040 ppm	-0.0015 ppm	-0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run	0.0028 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0006 ppm	0.0004 ppm
Recovery Percentage	29.925 %	-0.009 %	-0.322 %	0.231 %	1.882 %	-2.902 %	1.019 %
Concentration RSD	30.6 %	2.966.5 %	282.6 %	184.1 %	38.4 %	10.3 %	227.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	101.5616 %	102.1109 %	100.9547 %	101.3894 %	102.7668 %	100.9838 %
Concentration per Run	0.0003 ppm	101.4268 %	102.9323 %	100.8790 %	101.1617 %	103.8380 %	100.9370 %
Concentration per Run	0.0001 ppm	101.8144 %	101.8465 %	100.8643 %	101.6043 %	102.1847 %	100.7861 %
Concentration per Run	-0.0001 ppm	101.4435 %	101.5539 %	101.1208 %	101.4020 %	102.2776 %	101.2284 %
Recovery Percentage	2.022 %						
Concentration RSD	203.8 %	0.2 %	0.7 %	0.1 %	0.2 %	0.9 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

ICV

Sample: 9/12/2025 7:49:03 AM

Analysis started at: <Comment>

Comment: 0

Rack Number: 10

Vial Numbers: 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4939 ppm	0.4611 ppm	0.4697 ppm	0.4857 ppm	0.4794 ppm	0.4898 ppm	0.4806 ppm
Concentration per Run	0.4922 ppm	0.4601 ppm	0.4678 ppm	0.4801 ppm	0.4777 ppm	0.4889 ppm	0.4845 ppm
Concentration per Run	0.4943 ppm	0.4619 ppm	0.4716 ppm	0.4861 ppm	0.4805 ppm	0.4897 ppm	0.4795 ppm
Concentration per Run	0.4953 ppm	0.4615 ppm	0.4698 ppm	0.4870 ppm	0.4801 ppm	0.4908 ppm	0.4777 ppm
Recovery Percentage	98.778 %	92.228 %	93.950 %	97.145 %	95.885 %	97.960 %	96.112 %
Concentration RSD	0.3 %	0.2 %	0.4 %	0.3 %	0.3 %	0.2 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5000 ppm	0.4963 ppm	0.4947 ppm	0.5040 ppm	0.4821 ppm	5.0262 ppm	0.4976 ppm
Concentration per Run	0.4990 ppm	0.4960 ppm	0.4922 ppm	0.5015 ppm	0.4818 ppm	5.0430 ppm	0.4956 ppm
Concentration per Run	0.4998 ppm	0.4964 ppm	0.4963 ppm	0.5047 ppm	0.4820 ppm	5.0175 ppm	0.5000 ppm
Concentration per Run	0.5012 ppm	0.4967 ppm	0.4956 ppm	0.5059 ppm	0.4826 ppm	5.0180 ppm	0.4971 ppm
Recovery Percentage	100.005 %	99.268 %	98.940 %	100.808 %	96.426 %	100.523 %	99.515 %
Concentration RSD	0.2 %	0.1 %	0.4 %	0.4 %	0.1 %	0.3 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4988 ppm	0.4946 ppm	0.4789 ppm	9.9294 ppm	0.5061 ppm	0.4908 ppm	0.5042 ppm
Concentration per Run	0.4956 ppm	0.4948 ppm	0.4791 ppm	9.9484 ppm	0.5044 ppm	0.4916 ppm	0.5017 ppm
Concentration per Run	0.4998 ppm	0.4941 ppm	0.4777 ppm	9.9701 ppm	0.5057 ppm	0.4921 ppm	0.5041 ppm
Concentration per Run	0.5011 ppm	0.4948 ppm	0.4800 ppm	9.8697 ppm	0.5083 ppm	0.4889 ppm	0.5067 ppm
Recovery Percentage	99.769 %	98.918 %	95.787 %	99.294 %	101.226 %	98.168 %	100.832 %
Concentration RSD	0.6 %	0.1 %	0.2 %	0.5 %	0.4 %	0.4 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4714 ppm	5.3206 ppm	0.4873 ppm	0.4840 ppm	0.4965 ppm	0.4915 ppm	0.4960 ppm
Concentration per Run	0.4697 ppm	5.3055 ppm	0.4850 ppm	0.4825 ppm	0.4945 ppm	0.4914 ppm	0.4947 ppm
Concentration per Run	0.4740 ppm	5.3190 ppm	0.4886 ppm	0.4841 ppm	0.4969 ppm	0.4916 ppm	0.4962 ppm
Concentration per Run	0.4705 ppm	5.3374 ppm	0.4882 ppm	0.4854 ppm	0.4982 ppm	0.4914 ppm	0.4971 ppm
Recovery Percentage	94.280 %	101.345 %	97.450 %	96.804 %	99.307 %	98.296 %	99.196 %
Concentration RSD	0.5 %	0.3 %	0.4 %	0.3 %	0.4 %	0.0 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4967 ppm	102.8724 %	103.3130 %	101.7643 %	100.4232 %	102.6539 %	100.5673 %
Concentration per Run	0.4970 ppm	103.0515 %	103.4004 %	102.0936 %	100.3794 %	102.9151 %	100.8806 %
Concentration per Run	0.4950 ppm	102.8355 %	103.0764 %	101.7651 %	100.4261 %	102.8093 %	100.5408 %
Concentration per Run	0.4980 ppm	102.7302 %	103.4624 %	101.4342 %	100.4639 %	102.2373 %	100.2805 %
Recovery Percentage	99.336 %						
Concentration RSD	0.3 %	0.2 %	0.2 %	0.3 %	0.0 %	0.4 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

ICB

Sample: 9/12/2025 7:51:07 AM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	-0.0006 ppm	-0.0009 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run	-0.0001 ppm	-0.0136 ppm	-0.0001 ppm	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	-0.0024 ppm
Concentration per Run	0.0003 ppm	0.0067 ppm	-0.0022 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0012 ppm
Concentration per Run	-0.0002 ppm	0.0051 ppm	-0.0006 ppm	0.0035 ppm	-0.0002 ppm	0.0000 ppm	0.0030 ppm
Recovery Percentage	-0.362 %	-1.8337 %	-18.957 %	3.677 %	-1.276 %	-0.747 %	0.621 %
Concentration RSD	998.9 %	1.8337 %	116.1 %	187.4 %	36.3 %	84.2 %	440.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0004 ppm	0.0003 ppm	-0.0007 ppm	0.0021 ppm	-0.0010 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0005 ppm	-0.0011 ppm	0.0029 ppm	-0.0006 ppm
Concentration per Run	-0.0001 ppm	-0.0007 ppm	-0.0001 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm	-0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0009 ppm	0.0001 ppm	-0.0003 ppm	0.0033 ppm	-0.0018 ppm
Recovery Percentage	-0.290 %	-1.528 %	3.667 %	2.513 %	-1.322 %	0.084 %	-19.178 %
Concentration RSD	624.3 %	117.0 %	132.0 %	77.9 %	62.7 %	84.8 %	73.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0053 ppm	0.0003 ppm	-0.0003 ppm	0.0034 ppm
Concentration per Run	0.0008 ppm	0.0002 ppm	0.0002 ppm	-0.0069 ppm	0.0002 ppm	0.0002 ppm	0.0059 ppm
Concentration per Run	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run	-0.0006 ppm	0.0000 ppm	-0.0001 ppm	-0.0091 ppm	0.0007 ppm	-0.0010 ppm	0.0042 ppm
Recovery Percentage	0.354 %	1.235 %	-0.582 %	-0.266 %	1.361 %	-3.269 %	6.857 %
Concentration RSD	226.2 %	78.7 %	58.9 %	88.5 %	100.5 %	188.4 %	86.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0050 ppm	0.0014 ppm	0.0005 ppm	-0.0001 ppm	-0.0001 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run	0.0047 ppm	0.0024 ppm	0.0006 ppm	-0.0001 ppm	0.0003 ppm	-0.0007 ppm	-0.0003 ppm
Concentration per Run	0.0059 ppm	0.0012 ppm	0.0010 ppm	0.0000 ppm	-0.0003 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run	0.0043 ppm	0.0005 ppm	-0.0002 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage	49.679 %	0.275 %	0.957 %	-0.615 %	-0.656 %	-2.480 %	-0.179 %
Concentration RSD	16.1 %	70.1 %	132.2 %	27.3 %	440.9 %	97.0 %	1,241.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	101.6002 %	101.5460 %	101.2434 %	101.3200 %	102.1980 %	101.3275 %
Concentration per Run	0.0001 ppm	101.9264 %	101.8657 %	100.2135 %	101.5785 %	100.8632 %	100.1355 %
Concentration per Run	0.0004 ppm	101.0933 %	101.5128 %	102.1146 %	100.8079 %	102.9829 %	102.2616 %
Concentration per Run	0.0000 ppm	101.7809 %	101.2596 %	101.4022 %	101.5735 %	102.7479 %	101.5853 %
Recovery Percentage	3.211 %						
Concentration RSD	115.5 %	0.4 %	0.3 %	0.9 %	0.4 %	1.1 %	1.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 7:53:12 AM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0055 ppm	0.1037 ppm	0.0052 ppm	0.0314 ppm	0.0103 ppm	0.0052 ppm	0.1103 ppm
Concentration per Run	0.0055 ppm	0.1089 ppm	0.0071 ppm	0.0319 ppm	0.0105 ppm	0.0052 ppm	0.1120 ppm
Concentration per Run	0.0060 ppm	0.1028 ppm	0.0053 ppm	0.0311 ppm	0.0103 ppm	0.0052 ppm	0.1103 ppm
Concentration per Run	0.0049 ppm	0.0994 ppm	0.0031 ppm	0.0313 ppm	0.0102 ppm	0.0052 ppm	0.1086 ppm
Recovery Percentage	109.547 %	103.713 %	103.492 %	104.708 %	103.425 %	104.266 %	110.299 %
Concentration RSD	9.9 %	4.7 %	39.1 %	1.5 %	1.2 %	0.3 %	1.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0042 ppm	0.0102 ppm	0.0105 ppm	0.0108 ppm	0.0559 ppm	2.7203 ppm	0.0113 ppm
Concentration per Run	0.0042 ppm	0.0103 ppm	0.0103 ppm	0.0106 ppm	0.0550 ppm	2.7298 ppm	0.0141 ppm
Concentration per Run	0.0043 ppm	0.0099 ppm	0.0108 ppm	0.0110 ppm	0.0556 ppm	2.7209 ppm	0.0108 ppm
Concentration per Run	0.0042 ppm	0.0105 ppm	0.0104 ppm	0.0109 ppm	0.0572 ppm	2.7101 ppm	0.0091 ppm
Recovery Percentage	106.217 %	102.078 %	105.039 %	108.200 %	111.844 %	108.810 %	113.240 %
Concentration RSD	2.0 %	3.1 %	2.8 %	1.8 %	2.1 %	0.4 %	22.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1092 ppm	0.0106 ppm	0.0512 ppm	2.1444 ppm	0.0218 ppm	0.0106 ppm	0.0571 ppm
Concentration per Run	0.1059 ppm	0.0105 ppm	0.0515 ppm	2.1446 ppm	0.0214 ppm	0.0093 ppm	0.0573 ppm
Concentration per Run	0.1104 ppm	0.0109 ppm	0.0511 ppm	2.1313 ppm	0.0222 ppm	0.0117 ppm	0.0598 ppm
Concentration per Run	0.1114 ppm	0.0105 ppm	0.0508 ppm	2.1572 ppm	0.0219 ppm	0.0110 ppm	0.0544 ppm
Recovery Percentage	109.240 %	106.331 %	102.311 %	107.218 %	87.327 %	106.452 %	114.300 %
Concentration RSD	2.7 %	2.0 %	0.7 %	0.6 %	1.9 %	11.7 %	4.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0126 ppm	0.5399 ppm	0.0529 ppm	0.0103 ppm	0.0105 ppm	0.0189 ppm	0.0102 ppm
Concentration per Run	0.0124 ppm	0.5392 ppm	0.0518 ppm	0.0104 ppm	0.0102 ppm	0.0196 ppm	0.0099 ppm
Concentration per Run	0.0115 ppm	0.5384 ppm	0.0558 ppm	0.0104 ppm	0.0106 ppm	0.0194 ppm	0.0104 ppm
Concentration per Run	0.0140 ppm	0.5422 ppm	0.0510 ppm	0.0102 ppm	0.0108 ppm	0.0176 ppm	0.0105 ppm
Recovery Percentage	126.464 %	107.981 %	105.798 %	103.150 %	105.357 %	94.418 %	102.462 %
Concentration RSD	9.7 %	0.4 %	4.9 %	1.3 %	2.5 %	5.7 %	3.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0064 ppm	103.5647 %	103.6834 %	102.6429 %	101.3698 %	103.1860 %	101.3518 %
Concentration per Run	0.0064 ppm	103.4229 %	104.1890 %	103.1509 %	101.0392 %	103.9767 %	101.8548 %
Concentration per Run	0.0064 ppm	103.6040 %	103.0603 %	102.4519 %	101.5983 %	102.571 %	100.7571 %
Concentration per Run	0.0063 ppm	103.6673 %	103.8009 %	102.3258 %	101.4718 %	103.0655 %	101.4435 %
Recovery Percentage	127.105 %						
Concentration RSD	0.8 %	0.1 %	0.6 %	0.4 %	0.3 %	0.7 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

ICSA

Sample: 9/12/2025 7:59:41 AM

Analysis started at: LDR +/-10%

Rack Number 0

Vial Numbers 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	482.6578 ppm	-0.0026 ppm	0.0028 ppm	0.0015 ppm	0.0000 ppm	455.1078 ppm
Concentration per Run	0.0025 ppm	482.2400 ppm	-0.0029 ppm	0.0019 ppm	0.0014 ppm	0.0000 ppm	454.1305 ppm
Concentration per Run	0.0018 ppm	482.7306 ppm	-0.0020 ppm	0.0037 ppm	0.0015 ppm	0.0000 ppm	456.1184 ppm
Concentration per Run	0.0019 ppm	483.0028 ppm	-0.0028 ppm	0.0029 ppm	0.0015 ppm	-0.0001 ppm	455.0745 ppm
Recovery Percentage	29.630 %	0.1 %	-51.282 %	9.438 %	14.704 %	-0.732 %	
Concentration RSD	19.6 %		19.2 %	32.9 %	5.2 %	82.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0054 ppm	0.0005 ppm	0.0003 ppm	0.0042 ppm	0.0042 ppm	0.1599 ppm	-0.0111 ppm
Concentration per Run	-0.0053 ppm	0.0007 ppm	0.0003 ppm	0.0052 ppm	0.0052 ppm	0.1781 ppm	-0.0117 ppm
Concentration per Run	-0.0055 ppm	-0.0004 ppm	0.0003 ppm	0.0037 ppm	0.0037 ppm	0.1510 ppm	-0.0103 ppm
Concentration per Run	-0.0054 ppm	0.0012 ppm	0.0002 ppm	0.0037 ppm	0.0037 ppm	0.1507 ppm	-0.0113 ppm
Recovery Percentage	-107.566 %	2.590 %	2.556 %	42.302 %	6.398 %	6.398 %	-222.176 %
Concentration RSD	2.4 %	153.7 %	11.1 %	20.8 %	0.6 %	9.8 %	6.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	460.3497 ppm	-0.0021 ppm	-0.0007 ppm	0.0062 ppm	0.0015 ppm	-0.0040 ppm	0.0007 ppm
Concentration per Run	453.7980 ppm	-0.0021 ppm	0.0001 ppm	0.0065 ppm	0.0013 ppm	-0.0038 ppm	0.0039 ppm
Concentration per Run	466.1873 ppm	-0.0021 ppm	-0.0014 ppm	0.0089 ppm	0.0015 ppm	-0.0036 ppm	-0.0025 ppm
Concentration per Run	461.0637 ppm	-0.0020 ppm	-0.0007 ppm	0.0031 ppm	0.0016 ppm	-0.0047 ppm	0.0008 ppm
Recovery Percentage		-20.605 %	-1.325 %	0.310 %	5.873 %	-40.238 %	1.432 %
Concentration RSD	1.4 %	1.7 %	111.2 %	46.9 %	9.6 %	15.3 %	445.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	0.0098 ppm	0.0000 ppm	0.0050 ppm	0.0014 ppm	-0.0012 ppm	-0.0011 ppm
Concentration per Run	0.0009 ppm	0.0120 ppm	0.0000 ppm	0.0050 ppm	0.0017 ppm	-0.0016 ppm	-0.0014 ppm
Concentration per Run	-0.0004 ppm	0.0090 ppm	-0.0003 ppm	0.0051 ppm	0.0009 ppm	0.0009 ppm	-0.0011 ppm
Concentration per Run	0.0078 ppm	0.0083 ppm	0.0003 ppm	0.0050 ppm	0.0017 ppm	-0.0029 ppm	-0.0010 ppm
Recovery Percentage	27.395 %	1.957 %	0.049 %	50.250 %	14.295 %	-5.917 %	-11.488 %
Concentration RSD	161.6 %	19.7 %	1,091.5 %	1.8 %	31.9 %	161.6 %	21.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0053 ppm	90.4892 %	98.0073 %	80.4009 %	88.1550 %	98.7133 %	88.1656 %
Concentration per Run	-0.0054 ppm	90.4782 %	98.4476 %	80.6829 %	87.8024 %	99.9005 %	88.6271 %
Concentration per Run	-0.0051 ppm	90.3343 %	98.2601 %	80.4880 %	88.4947 %	97.3418 %	88.1299 %
Concentration per Run	-0.0055 ppm	90.6550 %	97.3142 %	80.0318 %	88.1679 %	98.8974 %	87.7397 %
Recovery Percentage	-106.971 %						
Concentration RSD	4.3 %	0.2 %	0.6 %	0.4 %	0.4 %	1.3 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: SIC Multi
Analysis started at: 9/12/2025 8:05:44 AM
Comment: LDR +/-10%
Rack Number: 0
Vial Numbers: 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0007 ppm	0.0290 ppm	0.0013 ppm	0.0040 ppm	0.0008 ppm	-0.0004 ppm	-0.0201 ppm
Concentration per Run	0.0007 ppm	0.0359 ppm	0.0011 ppm	0.0035 ppm	0.0009 ppm	-0.0005 ppm	-0.0165 ppm
Concentration per Run	-0.0002 ppm	0.0223 ppm	0.0042 ppm	0.0043 ppm	0.0009 ppm	-0.0004 ppm	-0.0204 ppm
Concentration per Run	0.0015 ppm	0.0290 ppm	-0.0014 ppm	0.0042 ppm	0.0006 ppm	-0.0003 ppm	-0.0235 ppm
Recovery Percentage	9.530 %	29.041 %	25.656 %	13.331 %	7.952 %	-10.761 %	-20.113 %
Concentration RSD	130.6 %	23.4 %	219.5 %	11.8 %	16.2 %	17.6 %	17.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	-0.0018 ppm	21.1909 ppm	-0.0016 ppm	0.0275 ppm	0.0073 ppm	-0.0016 ppm
Concentration per Run	0.0006 ppm	-0.0011 ppm	21.1584 ppm	-0.0016 ppm	0.0279 ppm	0.0013 ppm	-0.0017 ppm
Concentration per Run	0.0005 ppm	-0.0015 ppm	21.1928 ppm	-0.0018 ppm	0.0281 ppm	-0.0039 ppm	-0.0024 ppm
Concentration per Run	0.0007 ppm	-0.0029 ppm	21.2215 ppm	-0.0014 ppm	0.0265 ppm	0.0246 ppm	-0.0007 ppm
Recovery Percentage	12.020 %	-9.126 %	211.909.104 %	-15.905 %	54.998 %	0.292 %	-32.124 %
Concentration RSD	17.5 %	52.8 %	0.1 %	13.2 %	3.1 %	207.9 %	53.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0215 ppm	20.3128 [SIC 80]	-0.0011 ppm	0.0213 ppm	0.0017 ppm	-0.0009 ppm	-0.0043 ppm
Concentration per Run	-0.0186 ppm	20.6089 ppm	-0.0009 ppm	0.0235 ppm	0.0016 ppm	-0.0011 ppm	-0.0039 ppm
Concentration per Run	-0.0222 ppm	20.3848 ppm	-0.0017 ppm	0.0208 ppm	0.0013 ppm	-0.0006 ppm	-0.0026 ppm
Concentration per Run	-0.0237 ppm	19.9446 ppm	-0.0007 ppm	0.0196 ppm	0.0023 ppm	-0.0009 ppm	-0.0064 ppm
Recovery Percentage	-21.471 %	203.127.860 %	-2.283 %	1.065 %	6.967 %	-8.687 %	-8.591 %
Concentration RSD	12.2 %	1.7 %	46.0 %	9.3 %	30.4 %	24.8 %	44.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	0.2044 ppm	0.0025 ppm	0.0007 ppm	20.8783 ppm	-0.0189 ppm	10.4915 [SIC xxi]
Concentration per Run	-0.0004 ppm	0.1846 ppm	0.0039 ppm	0.0008 ppm	20.6683 ppm	-0.0199 ppm	10.4593 ppm
Concentration per Run	-0.0014 ppm	0.2082 ppm	0.0004 ppm	0.0007 ppm	20.9913 ppm	-0.0170 ppm	10.5130 ppm
Concentration per Run	0.0023 ppm	0.2203 ppm	0.0033 ppm	0.0006 ppm	20.9752 ppm	-0.0197 ppm	10.5023 ppm
Recovery Percentage	1.748 %	40.872 %	5.060 %	6.981 %	208.782.876 %	-94.345 %	104.915.013 %
Concentration RSD	1,071.8 %	8.9 %	72.8 %	18.3 %	0.9 %	8.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0013 ppm	102.3943 %	104.8242 %	102.3369 %	100.0378 %	104.1650 %	101.4902 %
Concentration per Run	0.0015 ppm	102.3151 %	105.3186 %	102.5789 %	99.3285 %	104.1959 %	102.0118 %
Concentration per Run	0.0012 ppm	102.3719 %	104.0899 %	101.7826 %	100.1946 %	103.7156 %	101.0498 %
Concentration per Run	0.0013 ppm	102.4958 %	105.0640 %	102.6523 %	100.5905 %	104.5835 %	101.4090 %
Recovery Percentage	26.919 %						
Concentration RSD	9.0 %	0.1 %	0.6 %	0.5 %	0.6 %	0.4 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: LDR Check
Analysis started at: 9/12/2025 8:07:56 AM
Comment: LDR +/-10%
Rack Number: 0
Vial Numbers: 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	-0.0116 ppm		5.1278 [SIC 50]	9.7685 ppm	0.0002 ppm	0.0131 ppm
Concentration per Run	0.0001 ppm	-0.0193 ppm	5.5911 ppm	5.1093 ppm	9.7526 ppm	0.0002 ppm	0.0161 ppm
Concentration per Run	0.0004 ppm	-0.0076 ppm	5.6010 ppm	5.1544 ppm	9.7995 ppm	0.0002 ppm	0.0116 ppm
Concentration per Run	0.0001 ppm	-0.0077 ppm	5.5851 ppm	5.1197 ppm	9.7535 ppm	0.0001 ppm	0.0116 ppm
Recovery Percentage			111.823 %	102.556 %	97.685 %		
Concentration RSD	98.5 %	58.1 %	0.2 %	0.5 %	0.3 %	19.6 %	19.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	-0.0026 ppm	0.0009 ppm	19.8948 ppm	0.0015 ppm	312.8894 ppm	4.9122 ppm
Concentration per Run	0.0005 ppm	-0.0031 ppm	0.0019 ppm	19.8747 ppm	0.0008 ppm	310.4129 ppm	4.8978 ppm
Concentration per Run	0.0004 ppm	-0.0025 ppm	0.0007 ppm	19.9512 ppm	0.0029 ppm	314.3422 ppm	4.9831 ppm
Concentration per Run	0.0005 ppm	-0.0023 ppm	0.0005 ppm	19.8585 ppm	0.0007 ppm	313.9130 ppm	4.8557 ppm
Recovery Percentage	0.00 %	0.00 %		99.474 %		104.296 %	
Concentration RSD	8.1 %	14.1 %	112.3 %	0.2 %	82.3 %	0.7 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0007 ppm	0.0004 ppm		471.1331 ppm	10.3282 [SIC 100]	51.1034 ppm	0.0047 ppm
Concentration per Run	-0.0009 ppm	0.0003 ppm	5.1753 [SIC xx]	470.6355 ppm	10.2812 ppm	50.9949 ppm	0.0010 ppm
Concentration per Run	-0.0017 ppm	0.0005 ppm	5.2253 ppm	469.6450 ppm	10.3953 ppm	51.1508 ppm	0.0067 ppm
Concentration per Run	0.0004 ppm	0.0006 ppm	5.1688 ppm	473.1188 ppm	10.3112 ppm	51.1644 ppm	0.0063 ppm
Recovery Percentage		0.00 %	103.505 %	94.227 %	103.292 %	102.207 %	0.00 %
Concentration RSD	148.9 %	30.4 %	0.9 %	0.4 %	0.6 %	0.2 %	68.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	21.5562 [SIC 100]	-0.0001 ppm	0.0007 ppm	0.0049 ppm	-0.0016 ppm	0.0019 ppm
Concentration per Run	0.0057 ppm	21.3046 ppm	0.0001 ppm	0.0005 ppm	0.0062 ppm	-0.0019 ppm	0.0017 ppm
Concentration per Run	0.0043 ppm	21.7803 ppm	0.0006 ppm	0.0007 ppm	0.0044 ppm	-0.0029 ppm	0.0023 ppm
Concentration per Run	0.0033 ppm	21.5837 ppm	-0.0010 ppm	0.0008 ppm	0.0040 ppm	-0.0001 ppm	0.0018 ppm
Recovery Percentage	0.00 %	107.781 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %
Concentration RSD	26.9 %	1.1 %	635.6 %	17.3 %	24.4 %	85.2 %	17.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	20.3325 [SIC 60]	92.0724 %	99.0853 %	87.7392 %	89.3931 %	97.2254 %	89.3937 %
Concentration per Run	20.2874 ppm	92.4085 %	99.3876 %	88.0601 %	89.5192 %	98.0934 %	89.7052 %
Concentration per Run	20.4193 ppm	91.9509 %	98.6539 %	87.2503 %	89.6478 %	95.9042 %	88.8535 %
Concentration per Run	20.2908 ppm	91.8579 %	99.2144 %	87.9073 %	89.0122 %	97.6785 %	89.6223 %
Recovery Percentage	101.662 %						
Concentration RSD	0.4 %	0.3 %	0.4 %	0.5 %	0.4 %	1.2 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: LLOQ.005
Analysis started at: 9/12/2025 8:47:38 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0051 ppm	0.0038 ppm	0.0036 ppm	0.0048 ppm	0.0049 ppm	0.0048 ppm	0.0094 ppm
Concentration per Run	0.0049 ppm	-0.0027 ppm	0.0039 ppm	0.0043 ppm	0.0049 ppm	0.0048 ppm	0.0054 ppm
Concentration per Run	0.0051 ppm	0.0082 ppm	0.0034 ppm	0.0047 ppm	0.0049 ppm	0.0049 ppm	0.0119 ppm
Concentration per Run	0.0053 ppm	0.0060 ppm	0.0037 ppm	0.0053 ppm	0.0049 ppm	0.0048 ppm	0.0108 ppm
Recovery Percentage	101.888 %	0.000 %	72.829 %	0.000 %	0.000 %	96.915 %	0.000 %
Concentration RSD	4.6 %	150.9 %	6.8 %	10.3 %	0.9 %	0.6 %	37.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0049 ppm	0.0050 ppm	0.0053 ppm	0.0049 ppm	0.0045 ppm	0.0514 ppm	0.0041 ppm
Concentration per Run	0.0050 ppm	0.0056 ppm	0.0058 ppm	0.0048 ppm	0.0037 ppm	0.0621 ppm	0.0044 ppm
Concentration per Run	0.0049 ppm	0.0043 ppm	0.0048 ppm	0.0050 ppm	0.0066 ppm	0.0470 ppm	0.0054 ppm
Concentration per Run	0.0049 ppm	0.0053 ppm	0.0052 ppm	0.0050 ppm	0.0031 ppm	0.0451 ppm	0.0027 ppm
Recovery Percentage	98.992 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	1.0 %	13.8 %	9.7 %	1.9 %	41.5 %	18.2 %	33.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0052 ppm	0.0050 ppm	0.0047 ppm	0.1090 ppm	0.0055 ppm	0.0055 ppm	0.0081 ppm
Concentration per Run	0.0031 ppm	0.0050 ppm	0.0048 ppm	0.1103 ppm	0.0056 ppm	0.0053 ppm	0.0113 ppm
Concentration per Run	0.0064 ppm	0.0052 ppm	0.0042 ppm	0.1074 ppm	0.0050 ppm	0.0057 ppm	0.0054 ppm
Concentration per Run	0.0061 ppm	0.0050 ppm	0.0051 ppm	0.1092 ppm	0.0059 ppm	0.0053 ppm	0.0075 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	34.3 %	2.3 %	10.1 %	1.3 %	8.9 %	4.6 %	36.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0060 ppm	0.0537 ppm	0.0047 ppm	0.0049 ppm	0.0049 ppm	0.0045 ppm	0.0048 ppm
Concentration per Run	0.0057 ppm	0.0540 ppm	0.0045 ppm	0.0050 ppm	0.0047 ppm	0.0037 ppm	0.0047 ppm
Concentration per Run	0.0072 ppm	0.0539 ppm	0.0037 ppm	0.0050 ppm	0.0049 ppm	0.0047 ppm	0.0048 ppm
Concentration per Run	0.0050 ppm	0.0531 ppm	0.0059 ppm	0.0048 ppm	0.0052 ppm	0.0050 ppm	0.0049 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	18.5 %	0.9 %	23.3 %	2.2 %	4.9 %	14.7 %	2.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0053 ppm	101.8949 %	102.6451 %	101.3595 %	102.5658 %	103.7754 %	101.6344 %
Concentration per Run	0.0056 ppm	102.1008 %	102.2160 %	101.2459 %	102.7954 %	103.1810 %	101.7934 %
Concentration per Run	0.0053 ppm	101.8410 %	102.7272 %	101.6248 %	102.4996 %	103.2795 %	101.7918 %
Concentration per Run	0.0050 ppm	101.7428 %	102.9921 %	101.2079 %	102.4025 %	104.8658 %	101.3180 %
Recovery Percentage	106.311 %						
Concentration RSD	5.5 %	0.2 %	0.4 %	0.2 %	0.2 %	0.9 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: LLOQ_01

Analysis started at: 9/12/2025 8:49:53 AM

Comment: <Comment>

Rack Number

1

Vial Numbers

2

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0106 ppm	0.0113 ppm	0.0104 ppm	0.0097 ppm	0.0100 ppm	0.0101 ppm	0.0156 ppm
Concentration per Run	0.0107 ppm	0.0035 ppm	0.0108 ppm	0.0114 ppm	0.0101 ppm	0.0101 ppm	0.0157 ppm
Concentration per Run	0.0103 ppm	0.0133 ppm	0.0096 ppm	0.0074 ppm	0.0101 ppm	0.0101 ppm	0.0183 ppm
Concentration per Run	0.0109 ppm	0.0171 ppm	0.0107 ppm	0.0103 ppm	0.0100 ppm	0.0101 ppm	0.0129 ppm
Recovery Percentage	0.00 %	0.00 %	103.798 %	97.138 %	100.113 %	0.00 %	0.00 %
Concentration RSD	2.6 %	61.8 %	6.3 %	21.2 %	0.5 %	0.3 %	17.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0104 ppm	0.0105 ppm	0.0107 ppm	0.0104 ppm	0.0108 ppm	0.1090 ppm	0.0103 ppm
Concentration per Run	0.0105 ppm	0.0103 ppm	0.0107 ppm	0.0102 ppm	0.0120 ppm	0.1202 ppm	0.0104 ppm
Concentration per Run	0.0103 ppm	0.0109 ppm	0.0109 ppm	0.0105 ppm	0.0096 ppm	0.1095 ppm	0.0105 ppm
Concentration per Run	0.0105 ppm	0.0103 ppm	0.0103 ppm	0.0104 ppm	0.0108 ppm	0.0973 ppm	0.0099 ppm
Recovery Percentage	0.00 %	105.008 %	106.890 %	103.814 %	0.00 %	0.00 %	102.839 %
Concentration RSD	0.9 %	3.0 %	2.1 %	1.6 %	11.1 %	10.5 %	3.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0109 ppm	0.0105 ppm	0.0097 ppm	0.2162 ppm	0.0111 ppm	0.0105 ppm	0.0134 ppm
Concentration per Run	0.0103 ppm	0.0106 ppm	0.0098 ppm	0.2173 ppm	0.0119 ppm	0.0098 ppm	0.0133 ppm
Concentration per Run	0.0122 ppm	0.0104 ppm	0.0097 ppm	0.2165 ppm	0.0111 ppm	0.0114 ppm	0.0127 ppm
Concentration per Run	0.0101 ppm	0.0106 ppm	0.0096 ppm	0.2149 ppm	0.0105 ppm	0.0103 ppm	0.0141 ppm
Recovery Percentage	0.00 %	105.489 %	96.963 %	0.00 %	111.480 %	104.986 %	0.00 %
Concentration RSD	10.7 %	1.2 %	1.0 %	0.5 %	6.6 %	7.7 %	5.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0115 ppm	0.1074 ppm	0.0103 ppm	0.0104 ppm	0.0100 ppm	0.0106 ppm	0.0100 ppm
Concentration per Run	0.0114 ppm	0.1071 ppm	0.0100 ppm	0.0104 ppm	0.0101 ppm	0.0088 ppm	0.0101 ppm
Concentration per Run	0.0111 ppm	0.1066 ppm	0.0101 ppm	0.0104 ppm	0.0100 ppm	0.0126 ppm	0.0099 ppm
Concentration per Run	0.0121 ppm	0.1083 ppm	0.0107 ppm	0.0103 ppm	0.0099 ppm	0.0105 ppm	0.0100 ppm
Recovery Percentage	115.344 %	0.00 %	102.901 %	103.574 %	99.759 %	106.479 %	99.920 %
Concentration RSD	4.4 %	0.8 %	3.4 %	0.4 %	1.1 %	18.0 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0106 ppm	103.2751 %	103.3673 %	102.8065 %	103.2407 %	104.2836 %	102.5495 %
Concentration per Run	0.0107 ppm	103.3183 %	103.9124 %	102.3896 %	103.4729 %	104.9238 %	101.8135 %
Concentration per Run	0.0105 ppm	103.6706 %	103.4478 %	103.4491 %	103.1394 %	103.0644 %	103.3623 %
Concentration per Run	0.0105 ppm	102.8364 %	103.4417 %	102.5806 %	103.1097 %	104.8626 %	102.4727 %
Recovery Percentage	105.892 %						
Concentration RSD	1.0 %	0.4 %	0.6 %	0.5 %	0.2 %	1.0 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: LLOQ_05

Analysis started at: 9/12/2025 8:51:57 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0485 ppm	0.0492 ppm	0.0447 ppm	0.0468 ppm	0.0472 ppm	0.0475 ppm	0.0507 ppm
Concentration per Run	0.0476 ppm	0.0413 ppm	0.0448 ppm	0.0457 ppm	0.0473 ppm	0.0477 ppm	0.0511 ppm
Concentration per Run	0.0488 ppm	0.0504 ppm	0.0441 ppm	0.0488 ppm	0.0476 ppm	0.0475 ppm	0.0545 ppm
Concentration per Run	0.0492 ppm	0.0559 ppm	0.0451 ppm	0.0461 ppm	0.0470 ppm	0.0475 ppm	0.0466 ppm
Recovery Percentage	0.00 %	98.362 %	0.000 %	0.000 %	0.000 %	0.000 %	101.439 %
Concentration RSD	1.7 %	15.0 %	1.2 %	3.6 %	0.8 %	0.4 %	7.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0481 ppm	0.0487 ppm	0.0483 ppm	0.0491 ppm	0.0492 ppm	0.4938 ppm	0.0488 ppm
Concentration per Run	0.0481 ppm	0.0487 ppm	0.0483 ppm	0.0491 ppm	0.0480 ppm	0.4952 ppm	0.0500 ppm
Concentration per Run	0.0481 ppm	0.0485 ppm	0.0480 ppm	0.0495 ppm	0.0496 ppm	0.4943 ppm	0.0495 ppm
Concentration per Run	0.0480 ppm	0.0490 ppm	0.0485 ppm	0.0487 ppm	0.0500 ppm	0.4919 ppm	0.0468 ppm
Recovery Percentage	0.00 %	0.000 %	0.000 %	0.000 %	98.453 %	19.752 %	0.000 %
Concentration RSD	0.1 %	0.5 %	0.6 %	0.8 %	2.1 %	0.3 %	3.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0502 ppm	0.0481 ppm	0.0480 ppm	1.0019 ppm	0.0496 ppm	0.0482 ppm	0.0522 ppm
Concentration per Run	0.0505 ppm	0.0480 ppm	0.0457 ppm	1.0026 ppm	0.0510 ppm	0.0483 ppm	0.0572 ppm
Concentration per Run	0.0507 ppm	0.0480 ppm	0.0460 ppm	1.0046 ppm	0.0488 ppm	0.0477 ppm	0.0487 ppm
Concentration per Run	0.0493 ppm	0.0482 ppm	0.0464 ppm	0.9985 ppm	0.0491 ppm	0.0486 ppm	0.0506 ppm
Recovery Percentage	100.356 %	0.000 %	0.000 %	100.192 %	0.000 %	0.000 %	104.328 %
Concentration RSD	1.5 %	0.2 %	0.8 %	0.3 %	2.4 %	1.0 %	8.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0485 ppm	0.5146 ppm	0.0479 ppm	0.0482 ppm	0.0475 ppm	0.0482 ppm	0.0472 ppm
Concentration per Run	0.0475 ppm	0.5131 ppm	0.0472 ppm	0.0480 ppm	0.0474 ppm	0.0474 ppm	0.0471 ppm
Concentration per Run	0.0459 ppm	0.5158 ppm	0.0478 ppm	0.0487 ppm	0.0472 ppm	0.0492 ppm	0.0475 ppm
Concentration per Run	0.0523 ppm	0.5150 ppm	0.0487 ppm	0.0481 ppm	0.0480 ppm	0.0479 ppm	0.0471 ppm
Recovery Percentage	0.000 %	102.929 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	6.8 %	0.3 %	1.6 %	0.7 %	1.0 %	1.9 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0483 ppm	104.0809 %	103.9191 %	103.7282 %	102.9425 %	103.8631 %	102.3308 %
Concentration per Run	0.0488 ppm	104.2957 %	104.3118 %	103.7300 %	103.0907 %	105.0757 %	102.0928 %
Concentration per Run	0.0475 ppm	103.8724 %	103.2727 %	103.3922 %	102.6857 %	103.0354 %	102.1606 %
Concentration per Run	0.0484 ppm	104.0746 %	104.1730 %	104.0625 %	103.0512 %	103.4781 %	102.7390 %
Recovery Percentage	96.503 %						
Concentration RSD	1.4 %	0.2 %	0.5 %	0.3 %	0.2 %	1.0 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: LDR As 5
Analysis started at: 9/12/2025 8:54:02 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0097 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0039 ppm	0.0002 ppm	0.0000 ppm	0.0135 ppm
Concentration per Run	-0.0001 ppm	-0.0046 ppm	-0.0046 ppm	5.1348 ppm	-0.0001 ppm	0.0000 ppm	0.0100 ppm
Concentration per Run	0.0003 ppm	0.0017 ppm	0.0017 ppm	5.1438 ppm	-0.0003 ppm	0.0000 ppm	0.0058 ppm
Concentration RSD	141.3 %	1.455.9 %	0.1 %	2.076.0 %	41.6 %	39.2 %	39.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0016 ppm	-0.0188 ppm	-0.0028 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	0.0011 ppm	-0.0135 ppm	-0.0032 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0015 ppm	-0.0239 ppm	-0.0021 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0023 ppm	-0.0191 ppm	-0.0030 ppm
Concentration RSD	44.8 %	164.3 %	132.8 %	105.0 %	36.6 %	27.4 %	21.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0018 ppm	0.0002 ppm	0.0002 ppm	-0.0037 ppm	0.0002 ppm	-0.0006 ppm	0.0035 ppm
Concentration per Run	0.0017 ppm	0.0000 ppm	0.0000 ppm	-0.0023 ppm	0.0007 ppm	-0.0009 ppm	0.0049 ppm
Concentration per Run	0.0021 ppm	0.0001 ppm	0.0001 ppm	-0.0078 ppm	-0.0002 ppm	-0.0002 ppm	0.0017 ppm
Concentration per Run	0.0016 ppm	0.0004 ppm	0.0000 ppm	-0.0010 ppm	0.0000 ppm	-0.0007 ppm	0.0038 ppm
Concentration RSD	14.0 %	126.2 %	90.4 %	98.1 %	325.2 %	55.5 %	46.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0026 ppm	-0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	-0.0023 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0044 ppm	0.0007 ppm	-0.0010 ppm	0.0000 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run	0.0032 ppm	-0.0005 ppm	0.0008 ppm	0.0001 ppm	-0.0004 ppm	-0.0003 ppm	0.0001 ppm
Concentration RSD	85.3 %	224.7 %	5.407.5 %	66.6 %	425.9 %	39.3 %	851.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	105.2268 %	104.6122 %	104.3793 %	104.1175 %	105.2955 %	103.1808 %
Concentration per Run	0.0002 ppm	105.2241 %	104.8068 %	104.1870 %	103.8296 %	106.0385 %	103.3241 %
Concentration per Run	0.0004 ppm	104.7638 %	104.4499 %	104.2004 %	104.0851 %	104.5714 %	102.9188 %
Concentration per Run	0.0002 ppm	105.6926 %	104.5799 %	104.7504 %	104.4379 %	105.2765 %	103.2993 %
Concentration RSD	46.4 %	0.4 %	0.2 %	0.3 %	0.3 %	0.7 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: LDR Fe 200
Analysis started at: 9/12/2025 8:56:06 AM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0011 ppm	-0.0008 ppm	-0.0009 ppm	0.0015 ppm	0.0001 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run	0.0011 ppm	-0.0026 ppm	-0.0015 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0024 ppm
Concentration per Run	0.0013 ppm	-0.0005 ppm	0.0023 ppm	0.0011 ppm	0.0001 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run	0.0008 ppm	0.0007 ppm	-0.0034 ppm	0.0020 ppm	0.0001 ppm	-0.0001 ppm	0.0051 ppm
Concentration RSD	22.0 %	213.6 %	329.9 %	31.8 %	34.2 %	18.1 %	84.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0014 ppm	181.1557 ppm	0.0064 ppm	-0.0028 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0000 ppm	-0.0012 ppm	181.6291 ppm	0.0087 ppm	-0.0028 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0003 ppm	-0.0014 ppm	181.8449 ppm	0.0118 ppm	-0.0025 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	-0.0002 ppm	-0.0016 ppm	179.9932 ppm	-0.0012 ppm	-0.0032 ppm
Concentration RSD	33.0 %	197.3 %	9.532.6 %	13.9 %	0.6 %	106.3 %	13.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0008 ppm	-0.0014 ppm	-0.0015 ppm	-0.0067 ppm	0.0003 ppm	-0.0012 ppm	0.0004 ppm
Concentration per Run	-0.0027 ppm	-0.0013 ppm	-0.0017 ppm	-0.0039 ppm	0.0002 ppm	-0.0020 ppm	-0.0010 ppm
Concentration per Run	0.0015 ppm	-0.0013 ppm	-0.0015 ppm	-0.0082 ppm	0.0009 ppm	-0.0004 ppm	-0.0018 ppm
Concentration per Run	-0.0013 ppm	-0.0015 ppm	-0.0012 ppm	-0.0082 ppm	-0.0003 ppm	-0.0011 ppm	0.0041 ppm
Concentration RSD	268.0 %	6.0 %	19.1 %	37.0 %	229.7 %	72.0 %	732.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	-0.0017 ppm	0.0004 ppm	0.0002 ppm	-0.0003 ppm	-0.0001 ppm	-0.0006 ppm
Concentration per Run	0.0021 ppm	-0.0003 ppm	0.0005 ppm	0.0003 ppm	-0.0006 ppm	-0.0002 ppm	-0.0005 ppm
Concentration per Run	-0.0025 ppm	-0.0028 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0000 ppm	-0.0007 ppm
Concentration per Run	0.0008 ppm	-0.0019 ppm	0.0006 ppm	0.0002 ppm	-0.0001 ppm	-0.0002 ppm	-0.0006 ppm
Concentration RSD	1,349.2 %	73.7 %	87.1 %	41.0 %	63.8 %	62.4 %	24.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	103.1523 %	104.7050 %	100.4130 %	101.5574 %	105.0100 %	101.7479 %
Concentration per Run	0.0004 ppm	102.9515 %	105.3230 %	99.7919 %	101.2816 %	105.2903 %	101.3203 %
Concentration per Run	0.0001 ppm	104.3400 %	104.4306 %	100.4200 %	101.9574 %	105.0704 %	101.5396 %
Concentration per Run	0.0003 ppm	103.0713 %	104.3613 %	101.0273 %	101.4334 %	104.6694 %	102.3836 %
Concentration RSD	58.0 %	0.2 %	0.5 %	0.6 %	0.3 %	0.3 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCV

Sample: 9/12/2025 9:10:30 AM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4930 ppm	0.4657 ppm	0.4688 ppm	0.4778 ppm	0.4789 ppm	0.4897 ppm	0.4751 ppm
Concentration per Run	0.4916 ppm	0.4697 ppm	0.4679 ppm	0.4743 ppm	0.4789 ppm	0.4898 ppm	0.4734 ppm
Concentration per Run	0.4936 ppm	0.4716 ppm	0.4695 ppm	0.4791 ppm	0.4788 ppm	0.4902 ppm	0.4749 ppm
Concentration per Run	0.4938 ppm	0.4557 ppm	0.4689 ppm	0.4799 ppm	0.4789 ppm	0.4892 ppm	0.4772 ppm
Recovery Percentage	98.601 %	93.131 %	93.760 %	95.551 %	95.777 %	97.948 %	95.029 %
Concentration RSD	0.2 %	1.9 %	0.2 %	0.6 %	0.0 %	0.1 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4976 ppm	0.4966 ppm	0.4938 ppm	0.5035 ppm	0.4811 ppm	4.9826 ppm	0.4884 ppm
Concentration per Run	0.4962 ppm	0.4977 ppm	0.4940 ppm	0.5039 ppm	0.4814 ppm	4.9751 ppm	0.4950 ppm
Concentration per Run	0.4978 ppm	0.4984 ppm	0.4937 ppm	0.5043 ppm	0.4818 ppm	4.9800 ppm	0.4851 ppm
Concentration per Run	0.4987 ppm	0.4937 ppm	0.4938 ppm	0.5022 ppm	0.4800 ppm	4.9926 ppm	0.4850 ppm
Recovery Percentage	99.514 %	99.321 %	98.767 %	100.696 %	96.218 %	99.651 %	97.673 %
Concentration RSD	0.3 %	0.5 %	0.0 %	0.2 %	0.2 %	0.2 %	1.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5011 ppm	0.4921 ppm	0.4769 ppm	10.0615 ppm	0.5036 ppm	0.4928 ppm	0.4995 ppm
Concentration per Run	0.4996 ppm	0.4919 ppm	0.4767 ppm	10.0304 ppm	0.5033 ppm	0.4940 ppm	0.4973 ppm
Concentration per Run	0.4998 ppm	0.4928 ppm	0.4768 ppm	10.0918 ppm	0.5037 ppm	0.4909 ppm	0.4988 ppm
Concentration per Run	0.5040 ppm	0.4915 ppm	0.4772 ppm	10.0622 ppm	0.5038 ppm	0.4935 ppm	0.5023 ppm
Recovery Percentage	100.217 %	98.413 %	95.381 %	100.615 %	100.724 %	98.563 %	99.892 %
Concentration RSD	0.5 %	0.1 %	0.1 %	0.3 %	0.0 %	0.3 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4724 ppm	5.2542 ppm	0.4824 ppm	0.4851 ppm	0.4984 ppm	0.4891 ppm	0.4964 ppm
Concentration per Run	0.4711 ppm	5.2373 ppm	0.4806 ppm	0.4854 ppm	0.4965 ppm	0.4891 ppm	0.4957 ppm
Concentration per Run	0.4722 ppm	5.2585 ppm	0.4835 ppm	0.4849 ppm	0.4973 ppm	0.4890 ppm	0.4969 ppm
Concentration per Run	0.4738 ppm	5.2668 ppm	0.4830 ppm	0.4851 ppm	0.5013 ppm	0.4891 ppm	0.4966 ppm
Recovery Percentage	94.473 %	100.080 %	96.477 %	97.026 %	99.675 %	97.812 %	99.281 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.1 %	0.5 %	0.0 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4911 ppm	103.8873 %	102.7621 %	102.3305 %	100.9718 %	104.4398 %	101.1451 %
Concentration per Run	0.4898 ppm	103.1145 %	103.8647 %	102.4076 %	101.4637 %	103.8761 %	101.4777 %
Concentration per Run	0.4928 ppm	102.5015 %	103.8000 %	102.6875 %	100.6824 %	104.7196 %	101.3407 %
Concentration per Run	0.4907 ppm	102.6702 %	103.9973 %	101.8964 %	100.7692 %	104.7237 %	100.6168 %
Recovery Percentage	98.221 %						
Concentration RSD	0.3 %	0.3 %	0.1 %	0.4 %	0.4 %	0.5 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 9:12:41 AM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0017 ppm	-0.0018 ppm	0.0009 ppm	-0.0002 ppm	-0.0001 ppm	0.0013 ppm
Concentration per Run	0.0004 ppm	0.0004 ppm	-0.0009 ppm	0.0009 ppm	-0.0002 ppm	0.0000 ppm	0.0030 ppm
Concentration per Run	-0.0002 ppm	-0.0020 ppm	-0.0013 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run	0.0006 ppm	0.0073 ppm	-0.0031 ppm	0.0016 ppm	-0.0003 ppm	-0.0001 ppm	0.0005 ppm
Recovery Percentage	3.858 %	1.666 %	-35.779 %	2.960 %	-1.871 %	-1.368 %	1.264 %
Concentration RSD	158.1 %	299.4 %	63.8 %	81.4 %	48.9 %	77.0 %	118.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0002 ppm	0.0004 ppm	0.0021 ppm	-0.0019 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	-0.0109 ppm	-0.0040 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0002 ppm	0.0104 ppm	-0.0003 ppm
Concentration per Run	-0.0002 ppm	-0.0001 ppm	0.0009 ppm	-0.0004 ppm	0.0003 ppm	0.0067 ppm	-0.0014 ppm
Recovery Percentage	-0.672 %	1.032 %	4.059 %	-2.353 %	0.891 %	0.083 %	-37.711 %
Concentration RSD	517.1 %	172.4 %	118.6 %	166.1 %	74.2 %	548.9 %	102.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0010 ppm	0.0001 ppm	0.0000 ppm	-0.0011 ppm	-0.0005 ppm	-0.0005 ppm	0.0033 ppm
Concentration per Run	0.0013 ppm	0.0000 ppm	-0.0007 ppm	0.0025 ppm	-0.0005 ppm	0.0005 ppm	0.0035 ppm
Concentration per Run	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0016 ppm	-0.0003 ppm	-0.0008 ppm	0.0052 ppm
Concentration per Run	0.0010 ppm	0.0002 ppm	-0.0005 ppm	-0.0075 ppm	-0.0007 ppm	-0.0013 ppm	0.0012 ppm
Recovery Percentage	0.958 %	0.525 %	-0.710 %	-0.056 %	-1.993 %	-5.332 %	6.586 %
Concentration RSD	39.9 %	186.1 %	131.4 %	493.6 %	40.0 %	178.4 %	60.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	0.0006 ppm	-0.0008 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run	0.0032 ppm	0.0034 ppm	-0.0004 ppm	0.0000 ppm	-0.0003 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0010 ppm	0.0003 ppm	-0.0018 ppm	-0.0001 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0001 ppm	-0.0019 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0012 ppm	0.0002 ppm
Recovery Percentage	13.416 %	0.121 %	-1.525 %	-0.004 %	-1.706 %	-0.474 %	0.328 %
Concentration RSD	123.1 %	436.5 %	116.8 %	16.828.1 %	189.5 %	1,114.1 %	683.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	101.7135 %	101.8526 %	101.0856 %	102.0377 %	103.9443 %	101.2983 %
Concentration per Run	-0.0001 ppm	102.0149 %	101.2219 %	101.1691 %	102.3549 %	103.3614 %	101.4837 %
Concentration per Run	0.0000 ppm	101.9566 %	102.0705 %	100.9569 %	102.3597 %	103.5139 %	101.0641 %
Concentration per Run	-0.0001 ppm	101.1689 %	102.2653 %	101.1308 %	101.3985 %	104.9577 %	101.3473 %
Recovery Percentage	-0.691 %						
Concentration RSD	165.8 %	0.5 %	0.5 %	0.1 %	0.5 %	0.8 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2109640-1 WG2109640

Analysis started at: 9/12/2025 9:38:53 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0030 ppm	-0.0018 ppm	0.0004 ppm	-0.0001 ppm	-0.0001 ppm	0.0030 ppm
Concentration per Run	-0.0002 ppm	0.0014 ppm	-0.0016 ppm	0.0011 ppm	-0.0001 ppm	-0.0001 ppm	0.0011 ppm
Concentration per Run	0.0006 ppm	0.0016 ppm	-0.0018 ppm	0.0007 ppm	-0.0001 ppm	-0.0001 ppm	0.0022 ppm
Concentration per Run	0.0003 ppm	0.0060 ppm	-0.0019 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm	0.0056 ppm
Concentration RSD	178.2 %	87.7 %	9.8 %	178.4 %	52.7 %	60.8 %	78.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm	-0.0078 ppm	-0.0019 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0003 ppm	0.0000 ppm	-0.0002 ppm	-0.0240 ppm	-0.0013 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0005 ppm	-0.0003 ppm	-0.0012 ppm	0.0027 ppm	-0.0016 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0006 ppm	-0.0004 ppm	0.0019 ppm	-0.0020 ppm	-0.0028 ppm
Concentration RSD	366.8 %	97.9 %	179.1 %	87.1 %	763.1 %	183.0 %	42.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0003 ppm	0.0002 ppm	0.0002 ppm	-0.0078 ppm	0.0004 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	-0.0010 ppm	-0.0042 ppm	0.0004 ppm	0.0006 ppm	-0.0006 ppm
Concentration per Run	0.0011 ppm	0.0002 ppm	0.0000 ppm	-0.0077 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run	0.0016 ppm	0.0002 ppm	-0.0003 ppm	-0.0116 ppm	0.0006 ppm	-0.0019 ppm	0.0012 ppm
Concentration RSD	742.4 %	60.6 %	108.8 %	47.4 %	62.0 %	200.1 %	372.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	0.0091 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run	-0.0013 ppm	0.0105 ppm	-0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0017 ppm	-0.0004 ppm
Concentration per Run	0.0026 ppm	0.0075 ppm	0.0002 ppm	0.0001 ppm	0.0003 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run	0.0008 ppm	0.0092 ppm	-0.0002 ppm	-0.0001 ppm	0.0003 ppm	0.0008 ppm	-0.0003 ppm
Concentration RSD	279.9 %	16.8 %	184.8 %	435.4 %	101.4 %	213.8 %	400.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	104.5355 %	105.6984 %	105.0222 %	105.4966 %	107.6860 %	105.0114 %
Concentration per Run	0.0002 ppm	104.0611 %	104.9139 %	105.6144 %	105.0658 %	106.9977 %	105.2921 %
Concentration per Run	0.0000 ppm	104.8864 %	105.6780 %	104.7006 %	105.7893 %	108.3210 %	104.5604 %
Concentration per Run	0.0001 ppm	104.6588 %	106.5032 %	104.7515 %	105.6346 %	107.7393 %	105.1816 %
Concentration RSD	99.4 %	0.4 %	0.8 %	0.5 %	0.4 %	0.6 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2109640-2 WG2109640

Analysis started at: 9/12/2025 9:41:15 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0503 ppm	2.0178 ppm	0.1198 ppm	0.9852 ppm	1.9436 ppm	0.0500 ppm	10.2495 ppm
Concentration per Run	0.0497 ppm	2.0297 ppm	0.1180 ppm	0.9867 ppm	1.9405 ppm	0.0501 ppm	10.2795 ppm
Concentration per Run	0.0504 ppm	2.0144 ppm	0.1201 ppm	0.9825 ppm	1.9501 ppm	0.0500 ppm	10.2329 ppm
Concentration per Run	0.0509 ppm	2.0092 ppm	0.1212 ppm	0.9865 ppm	1.9403 ppm	0.0499 ppm	10.2365 ppm
Concentration RSD	1.2 %	0.5 %	1.4 %	0.2 %	0.3 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0526 ppm	0.4911 ppm	0.2001 ppm	0.2502 ppm	0.9973 ppm	10.2851 ppm	-0.0033 ppm
Concentration per Run	0.0524 ppm	0.4916 ppm	0.2002 ppm	0.2499 ppm	0.9996 ppm	10.2678 ppm	-0.0022 ppm
Concentration per Run	0.0527 ppm	0.4912 ppm	0.2006 ppm	0.2500 ppm	1.0023 ppm	10.3056 ppm	-0.0048 ppm
Concentration per Run	0.0526 ppm	0.4906 ppm	0.1995 ppm	0.2507 ppm	0.9901 ppm	10.2818 ppm	-0.0031 ppm
Concentration RSD	0.3 %	0.1 %	0.3 %	0.2 %	0.6 %	0.2 %	36.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.3036 ppm	0.4951 ppm	0.9914 ppm	10.5253 ppm	0.5009 ppm	0.5341 ppm	0.5004 ppm
Concentration per Run	10.2644 ppm	0.4957 ppm	0.9909 ppm	10.5727 ppm	0.5004 ppm	0.5352 ppm	0.4985 ppm
Concentration per Run	10.2687 ppm	0.4937 ppm	0.9918 ppm	10.5085 ppm	0.5024 ppm	0.5332 ppm	0.5018 ppm
Concentration per Run	10.3777 ppm	0.4958 ppm	0.9915 ppm	10.4947 ppm	0.4998 ppm	0.5338 ppm	0.5010 ppm
Concentration RSD	0.6 %	0.2 %	0.0 %	0.4 %	0.3 %	0.2 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1200 ppm	1.2130 ppm	0.9815 ppm	0.9921 ppm	1.0262 ppm	0.1201 ppm	0.5101 ppm
Concentration per Run	0.1198 ppm	1.2081 ppm	0.9801 ppm	0.9902 ppm	1.0227 ppm	0.1205 ppm	0.5094 ppm
Concentration per Run	0.1208 ppm	1.2163 ppm	0.9771 ppm	0.9980 ppm	1.0244 ppm	0.1210 ppm	0.5101 ppm
Concentration per Run	0.1194 ppm	1.2147 ppm	0.9873 ppm	0.9881 ppm	1.0313 ppm	0.1189 ppm	0.5107 ppm
Concentration RSD	0.6 %	0.4 %	0.5 %	0.5 %	0.4 %	0.9 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4949 ppm	103.9497 %	104.4143 %	101.5351 %	102.4530 %	104.8954 %	100.9237 %
Concentration per Run	0.4959 ppm	103.4712 %	103.1071 %	102.0292 %	101.8015 %	103.8688 %	101.6112 %
Concentration per Run	0.4954 ppm	103.9922 %	105.4492 %	102.1316 %	102.6719 %	105.3933 %	101.3605 %
Concentration per Run	0.4934 ppm	104.3856 %	104.6865 %	100.4447 %	102.8855 %	105.4241 %	99.7993 %
Concentration RSD	0.3 %	0.4 %	1.1 %	0.9 %	0.6 %	0.8 %	1.0 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554341-02 WG2109640

Analysis started at: 9/12/2025 9:43:19 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 13

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	0.0060 ppm	-0.0009 ppm	0.1075 ppm	0.2295 ppm	-0.0001 ppm	123.5339 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.1083 ppm	0.2300 ppm	0.0000 ppm	123.3782 ppm
Concentration per Run	0.0005 ppm	0.0168 ppm	-0.0011 ppm	0.1062 ppm	0.2301 ppm	-0.0001 ppm	123.6848 ppm
Concentration per Run	0.0005 ppm	0.0011 ppm	-0.0018 ppm	0.1078 ppm	0.2285 ppm	-0.0001 ppm	123.5388 ppm
Concentration RSD	42.8 %	155.2 %	118.5 %	1.0 %	0.4 %	86.3 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0014 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm	0.4486 ppm	2.6842 ppm	0.0099 ppm
Concentration per Run	-0.0014 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.4508 ppm	2.6948 ppm	0.0106 ppm
Concentration per Run	-0.0013 ppm	0.0007 ppm	0.0001 ppm	0.0002 ppm	0.4476 ppm	2.6950 ppm	0.0083 ppm
Concentration per Run	-0.0014 ppm	0.0002 ppm	-0.0001 ppm	-0.0001 ppm	0.4476 ppm	2.6627 ppm	0.0107 ppm
Concentration RSD	4.1 %	55.6 %	368.8 %	705.4 %	0.4 %	0.7 %	13.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.4937 ppm	2.9075 ppm	0.0006 ppm	73.2928 ppm	0.0004 ppm	-0.0007 ppm	0.0019 ppm
Concentration per Run	22.4171 ppm	2.9056 ppm	0.0003 ppm	73.1977 ppm	0.0015 ppm	0.0000 ppm	0.0035 ppm
Concentration per Run	22.5390 ppm	2.9147 ppm	0.0008 ppm	73.6499 ppm	0.0001 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run	22.5249 ppm	2.9023 ppm	0.0005 ppm	73.0306 ppm	-0.0004 ppm	-0.0021 ppm	0.0001 ppm
Concentration RSD	0.3 %	0.2 %	46.8 %	0.4 %	271.4 %	165.3 %	90.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0018 ppm	11.4049 ppm	0.0000 ppm	0.3670 ppm	0.0003 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run	-0.0019 ppm	11.3854 ppm	0.0004 ppm	0.3650 ppm	0.0007 ppm	0.0018 ppm	-0.0004 ppm
Concentration per Run	-0.0022 ppm	11.4021 ppm	-0.0009 ppm	0.3692 ppm	0.0003 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run	-0.0013 ppm	11.4272 ppm	0.0006 ppm	0.3668 ppm	-0.0001 ppm	-0.0010 ppm	-0.0001 ppm
Concentration RSD	24.6 %	0.2 %	5.236.0 %	0.6 %	127.2 %	271.0 %	61.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	100.7453 ppm	104.1523 ppm	96.4108 ppm	99.1779 ppm	102.7695 ppm	98.3392 ppm
Concentration per Run	0.0002 ppm	100.5421 ppm	103.9358 ppm	96.7081 ppm	98.7253 ppm	102.4717 ppm	98.7919 ppm
Concentration per Run	0.0000 ppm	101.1783 ppm	103.6367 ppm	96.2529 ppm	99.7281 ppm	102.6586 ppm	98.2964 ppm
Concentration per Run	0.0007 ppm	100.5155 ppm	104.8842 ppm	96.2713 ppm	99.0803 ppm	103.1782 ppm	97.9293 ppm
Concentration RSD	112.6 %	0.4 %	0.6 %	0.3 %	0.5 %	0.4 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554341-03 WG2109640

Analysis started at: 9/12/2025 9:45:23 AM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 14

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0266 ppm	0.0083 ppm	0.5627 ppm	0.0829 ppm	0.0000 ppm	48.6232 ppm
Concentration per Run	0.0000 ppm	0.0304 ppm	0.0082 ppm	0.5634 ppm	0.0826 ppm	0.0000 ppm	48.9302 ppm
Concentration per Run	0.0006 ppm	0.0292 ppm	0.0089 ppm	0.5640 ppm	0.0825 ppm	0.0000 ppm	48.3939 ppm
Concentration per Run	0.0002 ppm	0.0201 ppm	0.0079 ppm	0.5607 ppm	0.0835 ppm	-0.0001 ppm	48.5455 ppm
Concentration RSD	124.3 %	21.3 %	6.5 %	0.3 %	0.7 %	99.2 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0027 ppm	0.0006 ppm	0.0093 ppm	3.3517 ppm	7.2889 ppm	-0.0035 ppm
Concentration per Run	-0.0006 ppm	0.0025 ppm	0.0003 ppm	0.0090 ppm	3.3340 ppm	7.2507 ppm	-0.0041 ppm
Concentration per Run	-0.0004 ppm	0.0030 ppm	0.0008 ppm	0.0097 ppm	3.3552 ppm	7.2771 ppm	-0.0025 ppm
Concentration per Run	-0.0004 ppm	0.0026 ppm	0.0007 ppm	0.0094 ppm	3.3660 ppm	7.3388 ppm	-0.0039 ppm
Concentration RSD	25.1 %	11.1 %	49.7 %	3.8 %	0.5 %	0.6 %	25.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	8.7341 ppm	1.3924 ppm	0.0020 ppm	31.4743 ppm	0.0037 ppm	0.0002 ppm	0.0011 ppm
Concentration per Run	8.7431 ppm	1.3968 ppm	0.0023 ppm	31.5931 ppm	0.0033 ppm	0.0013 ppm	0.0019 ppm
Concentration per Run	8.7060 ppm	1.3878 ppm	0.0018 ppm	31.3677 ppm	0.0041 ppm	-0.0005 ppm	0.0030 ppm
Concentration per Run	8.7532 ppm	1.3926 ppm	0.0017 ppm	31.4621 ppm	0.0036 ppm	-0.0002 ppm	-0.0016 ppm
Concentration RSD	0.3 %	0.3 %	17.2 %	0.4 %	11.4 %	490.8 %	216.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sr 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	5.9383 ppm	-0.0009 ppm	0.2839 ppm	0.0017 ppm	-0.0006 ppm	0.0012 ppm
Concentration per Run	-0.0003 ppm	5.9494 ppm	-0.0011 ppm	0.2830 ppm	0.0008 ppm	-0.0007 ppm	0.0013 ppm
Concentration per Run	-0.0006 ppm	5.9270 ppm	-0.0006 ppm	0.2828 ppm	0.0012 ppm	-0.0008 ppm	0.0012 ppm
Concentration per Run	0.0015 ppm	5.9383 ppm	-0.0011 ppm	0.2860 ppm	0.0030 ppm	-0.0002 ppm	0.0012 ppm
Concentration RSD	670.9 %	0.2 %	29.8 %	0.6 %	69.4 %	51.6 %	3.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0068 ppm	104.9664 ppm	106.5205 ppm	101.8962 ppm	103.1580 ppm	105.6985 ppm	102.5717 ppm
Concentration per Run	0.0066 ppm	104.7084 ppm	106.1845 ppm	101.5738 ppm	103.0044 ppm	105.9542 ppm	102.2072 ppm
Concentration per Run	0.0067 ppm	105.1430 ppm	102.0732 ppm	102.0732 ppm	103.2930 ppm	106.1752 ppm	102.9355 ppm
Concentration per Run	0.0066 ppm	105.0477 ppm	106.2117 ppm	102.0418 ppm	103.1766 ppm	104.9662 ppm	102.5723 ppm
Concentration RSD	1.3 %	0.2 %	0.5 %	0.3 %	0.1 %	0.6 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554341-04 WG2109640

Analysis started at: 9/12/2025 9:47:30 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 15

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	0.0353 ppm	0.0010 ppm	0.0778 ppm	0.2692 ppm	0.0000 ppm	74.2565 ppm
Concentration per Run	0.0006 ppm	0.0375 ppm	0.0020 ppm	0.0791 ppm	0.2685 ppm	-0.0001 ppm	74.2794 ppm
Concentration per Run	0.0003 ppm	0.0289 ppm	0.0001 ppm	0.0768 ppm	0.2692 ppm	0.0000 ppm	74.2870 ppm
Concentration per Run	0.0006 ppm	0.0395 ppm	0.0009 ppm	0.0774 ppm	0.2698 ppm	-0.0001 ppm	74.2030 ppm
Concentration RSD	41.2 %	16.0 %	93.6 %	1.6 %	0.2 %	164.8 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0008 ppm	0.0003 ppm	-0.0008 ppm	0.0007 ppm	29.8114 ppm	1.8440 ppm	0.0154 ppm
Concentration per Run	-0.0008 ppm	0.0001 ppm	-0.0007 ppm	0.0006 ppm	29.7930 ppm	0.0157 ppm	0.0157 ppm
Concentration per Run	-0.0008 ppm	0.0006 ppm	-0.0007 ppm	0.0005 ppm	29.9062 ppm	1.8419 ppm	0.0154 ppm
Concentration per Run	-0.0008 ppm	0.0003 ppm	-0.0011 ppm	0.0009 ppm	29.7350 ppm	1.8320 ppm	0.0150 ppm
Concentration RSD	2.7 %	80.4 %	28.8 %	33.9 %	0.3 %	0.7 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	39.7493 ppm	7.8114 ppm	0.0008 ppm	33.4822 ppm	0.0007 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run	40.2409 ppm	7.7945 ppm	0.0007 ppm	33.2229 ppm	0.0004 ppm	-0.0012 ppm	-0.0031 ppm
Concentration per Run	39.5122 ppm	7.8188 ppm	0.0010 ppm	33.6279 ppm	0.0005 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run	39.4948 ppm	7.8230 ppm	0.0005 ppm	33.5960 ppm	0.0013 ppm	-0.0004 ppm	0.0017 ppm
Concentration RSD	1.1 %	0.2 %	34.1 %	0.7 %	69.9 %	500.8 %	717.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0017 ppm	11.0122 ppm	-0.0008 ppm	0.2872 ppm	0.0014 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0002 ppm	11.0871 ppm	-0.0005 ppm	0.2871 ppm	0.0011 ppm	0.0018 ppm	-0.0003 ppm
Concentration per Run	0.0018 ppm	10.9693 ppm	-0.0016 ppm	0.2869 ppm	0.0002 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0031 ppm	10.9803 ppm	-0.0004 ppm	0.2877 ppm	0.0016 ppm	0.0000 ppm	-0.0002 ppm
Concentration RSD	85.9 %	0.6 %	77.1 %	0.2 %	17.4 %	139.3 %	19.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	104.2346 ppm	106.9710 ppm	99.9316 ppm	102.3835 ppm	107.7972 ppm	102.1938 ppm
Concentration per Run	0.0005 ppm	103.5424 ppm	106.5327 ppm	98.9564 ppm	102.2650 ppm	105.9357 ppm	101.6828 ppm
Concentration per Run	0.0003 ppm	105.3004 ppm	107.2886 ppm	100.4908 ppm	103.0474 ppm	108.6133 ppm	102.3498 ppm
Concentration per Run	0.0005 ppm	103.8609 ppm	107.0919 ppm	100.3478 ppm	101.8382 ppm	108.8428 ppm	102.5486 ppm
Concentration RSD	19.6 %	0.9 %	0.4 %	0.8 %	0.6 %	1.5 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554341-01 WG2109640

Analysis started at: 9/12/2025 9:49:34 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0037 ppm	0.0081 ppm	0.1202 ppm	0.5008 ppm	0.0000 ppm	118.1855 ppm
Concentration per Run	-0.0001 ppm	0.0058 ppm	0.0082 ppm	0.1219 ppm	0.5033 ppm	0.0000 ppm	118.4108 ppm
Concentration per Run	0.0008 ppm	-0.0049 ppm	0.0091 ppm	0.1211 ppm	0.4977 ppm	0.0000 ppm	117.7627 ppm
Concentration per Run	0.0002 ppm	0.0101 ppm	0.0071 ppm	0.1176 ppm	0.5014 ppm	0.0000 ppm	118.3831 ppm
Concentration RSD	137.8 %	209.8 %	12.6 %	1.9 %	0.6 %	81.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0007 ppm	0.0009 ppm	-0.0002 ppm	0.0027 ppm	6.2062 ppm	2.7403 ppm	0.0141 ppm
Concentration per Run	-0.0006 ppm	0.0014 ppm	-0.0006 ppm	0.0027 ppm	6.2181 ppm	2.7551 ppm	0.0148 ppm
Concentration per Run	-0.0008 ppm	0.0003 ppm	-0.0002 ppm	0.0025 ppm	6.1795 ppm	2.7282 ppm	0.0134 ppm
Concentration per Run	-0.0006 ppm	0.0009 ppm	0.0003 ppm	0.0028 ppm	6.2208 ppm	2.7377 ppm	0.0142 ppm
Concentration RSD	17.7 %	64.6 %	272.4 %	6.0 %	0.4 %	0.5 %	4.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.5956 ppm	5.3882 ppm	0.0004 ppm	77.6677 ppm	0.0073 ppm	-0.0003 ppm	0.0012 ppm
Concentration per Run	20.6925 ppm	5.4081 ppm	0.0002 ppm	77.6003 ppm	0.0069 ppm	0.0000 ppm	0.0038 ppm
Concentration per Run	20.7671 ppm	5.3817 ppm	0.0007 ppm	77.7892 ppm	0.0072 ppm	-0.0011 ppm	0.0011 ppm
Concentration per Run	20.3271 ppm	5.3748 ppm	0.0003 ppm	77.6335 ppm	0.0078 ppm	0.0001 ppm	-0.0013 ppm
Concentration RSD	1.1 %	0.3 %	60.0 %	0.1 %	6.2 %	184.0 %	218.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	15.0299 ppm	-0.0007 ppm	0.3637 ppm	0.0003 ppm	0.0014 ppm	0.0008 ppm
Concentration per Run	0.0007 ppm	15.0382 ppm	-0.0002 ppm	0.3655 ppm	0.0005 ppm	0.0021 ppm	0.0010 ppm
Concentration per Run	0.0018 ppm	15.1028 ppm	-0.0006 ppm	0.3641 ppm	0.0003 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run	-0.0017 ppm	14.9488 ppm	-0.0012 ppm	0.3614 ppm	0.0000 ppm	0.0018 ppm	0.0006 ppm
Concentration RSD	585.9 %	0.5 %	73.8 %	0.6 %	92.4 %	78.5 %	20.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0312 ppm	100.2946 ppm	103.6762 ppm	95.2731 ppm	97.7487 ppm	103.4146 ppm	97.4866 ppm
Concentration per Run	0.0319 ppm	100.5045 ppm	102.7498 ppm	95.3003 ppm	97.8984 ppm	102.8360 ppm	97.2376 ppm
Concentration per Run	0.0310 ppm	100.0030 ppm	103.7448 ppm	95.2646 ppm	97.8771 ppm	103.5424 ppm	97.6776 ppm
Concentration per Run	0.0308 ppm	100.3760 ppm	104.5341 ppm	95.2543 ppm	97.4704 ppm	103.8655 ppm	97.5445 ppm
Concentration RSD	1.9 %	0.3 %	0.9 %	0.0 %	0.2 %	0.5 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2109640-3 WG2109640

Analysis started at: 9/12/2025 9:51:39 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 9

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0503 ppm	1.9976 ppm	0.1314 ppm	1.1187 ppm	2.4062 ppm	0.0504 ppm	125.0633 ppm
Concentration per Run	0.0505 ppm	2.0004 ppm	0.1333 ppm	1.1197 ppm	2.4001 ppm	0.0504 ppm	124.7242 ppm
Concentration per Run	0.0501 ppm	1.9980 ppm	0.1333 ppm	1.1166 ppm	2.4060 ppm	0.0505 ppm	124.9939 ppm
Concentration per Run	0.0502 ppm	1.9943 ppm	0.1276 ppm	1.1197 ppm	2.4126 ppm	0.0503 ppm	125.4719 ppm
Concentration RSD	0.5 %	0.2 %	2.5 %	0.2 %	0.3 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0509 ppm	0.4756 ppm	0.1954 ppm	0.2490 ppm	7.0736 ppm	13.0133 ppm	0.0133 ppm
Concentration per Run	0.0510 ppm	0.4756 ppm	0.1958 ppm	0.2491 ppm	7.0819 ppm	12.9626 ppm	0.0138 ppm
Concentration per Run	0.0509 ppm	0.4756 ppm	0.1948 ppm	0.2492 ppm	7.0861 ppm	13.0037 ppm	0.0131 ppm
Concentration per Run	0.0506 ppm	0.4757 ppm	0.1954 ppm	0.2487 ppm	7.0527 ppm	13.0737 ppm	0.0130 ppm
Concentration RSD	0.4 %	0.0 %	0.2 %	0.1 %	0.3 %	0.4 %	3.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	30.0489 ppm	5.7323 ppm	0.9925 ppm	86.2313 ppm	0.4887 ppm	0.5276 ppm	0.5147 ppm
Concentration per Run	30.2311 ppm	5.7211 ppm	0.9948 ppm	86.1268 ppm	0.4890 ppm	0.5280 ppm	0.5151 ppm
Concentration per Run	29.9916 ppm	5.7336 ppm	0.9913 ppm	86.0394 ppm	0.4877 ppm	0.5270 ppm	0.5162 ppm
Concentration per Run	29.9241 ppm	5.7423 ppm	0.9913 ppm	86.5278 ppm	0.4894 ppm	0.5277 ppm	0.5127 ppm
Concentration RSD	0.5 %	0.2 %	0.2 %	0.3 %	0.2 %	0.1 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1239 ppm	16.0605 ppm	0.9621 ppm	1.3291 ppm	1.0201 ppm	0.1156 ppm	0.5165 ppm
Concentration per Run	0.1224 ppm	16.1365 ppm	0.9693 ppm	1.3278 ppm	1.0271 ppm	0.1181 ppm	0.5168 ppm
Concentration per Run	0.1213 ppm	16.0511 ppm	0.9613 ppm	1.3277 ppm	1.0150 ppm	0.1146 ppm	0.5170 ppm
Concentration per Run	0.1279 ppm	15.9940 ppm	0.9556 ppm	1.3319 ppm	1.0181 ppm	0.1140 ppm	0.5157 ppm
Concentration RSD	2.9 %	0.4 %	0.7 %	0.2 %	0.6 %	1.9 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5151 ppm	100.1125 %	103.7910 %	94.9363 %	97.6329 %	104.0317 %	97.2189 %
Concentration per Run	0.5157 ppm	99.8931 %	104.3538 %	94.4291 %	97.8952 %	104.5897 %	96.6647 %
Concentration per Run	0.5156 ppm	100.7086 %	103.7608 %	95.3201 %	97.9834 %	103.8785 %	97.3371 %
Concentration per Run	0.5139 ppm	99.7357 %	103.2585 %	95.0595 %	97.0203 %	103.6270 %	97.6549 %
Concentration RSD	0.2 %	0.5 %	0.5 %	0.5 %	0.5 %	0.5 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2109640-4 WG2109640

Analysis started at: 9/12/2025 9:53:43 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0039 ppm	0.0079 ppm	0.1215 ppm	0.4983 ppm	0.0000 ppm	117.4801 ppm
Concentration per Run	0.0002 ppm	0.0030 ppm	0.0065 ppm	0.1215 ppm	0.4973 ppm	0.0000 ppm	117.1383 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0074 ppm	0.1233 ppm	0.4975 ppm	0.0000 ppm	117.3144 ppm
Concentration per Run	-0.0001 ppm	0.0083 ppm	0.0098 ppm	0.1197 ppm	0.5000 ppm	-0.0001 ppm	117.9877 ppm
Concentration RSD	420.6 %	104.7 %	21.4 %	1.5 %	0.3 %	9.1 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0007 ppm	0.0014 ppm	-0.0003 ppm	0.0026 ppm	6.1943 ppm	2.7572 ppm	0.0152 ppm
Concentration per Run	-0.0006 ppm	0.0017 ppm	-0.0000 ppm	0.0028 ppm	6.2058 ppm	2.7615 ppm	0.0159 ppm
Concentration per Run	-0.0007 ppm	0.0013 ppm	-0.0008 ppm	0.0024 ppm	6.1949 ppm	2.7631 ppm	0.0148 ppm
Concentration per Run	-0.0007 ppm	0.0011 ppm	0.0000 ppm	0.0025 ppm	6.1822 ppm	2.7471 ppm	0.0149 ppm
Concentration RSD	3.9 %	23.3 %	167.1 %	7.0 %	0.2 %	0.3 %	4.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.5133 ppm	5.3339 ppm	0.0005 ppm	76.7901 ppm	0.0075 ppm	-0.0009 ppm	-0.0003 ppm
Concentration per Run	20.6029 ppm	5.3362 ppm	-0.0003 ppm	76.5261 ppm	0.0073 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	20.4564 ppm	5.3143 ppm	0.0010 ppm	76.4468 ppm	0.0076 ppm	-0.0012 ppm	0.0000 ppm
Concentration per Run	20.4805 ppm	5.3512 ppm	0.0009 ppm	77.3973 ppm	0.0076 ppm	-0.0016 ppm	-0.0010 ppm
Concentration RSD	0.4 %	0.3 %	144.2 %	0.7 %	2.0 %	108.3 %	198.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	15.0404 ppm	-0.0004 ppm	0.3603 ppm	0.0005 ppm	0.0005 ppm	0.0010 ppm
Concentration per Run	0.0041 ppm	15.0950 ppm	-0.0013 ppm	0.3591 ppm	0.0006 ppm	0.0009 ppm	0.0010 ppm
Concentration per Run	0.0025 ppm	15.0133 ppm	-0.0002 ppm	0.3598 ppm	0.0005 ppm	0.0009 ppm	0.0008 ppm
Concentration per Run	0.0019 ppm	15.0129 ppm	0.0005 ppm	0.3619 ppm	0.0004 ppm	-0.0003 ppm	0.0011 ppm
Concentration RSD	39.7 %	0.3 %	246.0 %	0.4 %	17.0 %	132.7 %	13.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0314 ppm	100.5235 %	104.0987 %	95.3388 %	98.5638 %	102.7960 %	97.3320 %
Concentration per Run	0.0313 ppm	99.9674 %	104.5723 %	95.6862 %	98.5557 %	103.4072 %	97.6262 %
Concentration per Run	0.0313 ppm	101.2868 %	104.2762 %	95.5757 %	99.1433 %	102.1380 %	97.5165 %
Concentration per Run	0.0314 ppm	100.3162 %	103.4475 %	94.7546 %	97.9924 %	102.8427 %	96.8533 %
Concentration RSD	0.2 %	0.7 %	0.6 %	0.5 %	0.6 %	0.6 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2109640-5 WG2109640

Analysis started at: 9/12/2025 9:55:48 AM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 11

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0473 ppm	1.8480 ppm	0.1203 ppm	1.0587 ppm	2.2747 ppm	0.0470 ppm	123.7122 ppm
Concentration per Run	0.0470 ppm	1.8531 ppm	0.1209 ppm	1.0586 ppm	2.2793 ppm	0.0470 ppm	123.1297 ppm
Concentration per Run	0.0472 ppm	1.8404 ppm	0.1197 ppm	1.0594 ppm	2.2734 ppm	0.0471 ppm	123.7686 ppm
Concentration per Run	0.0476 ppm	1.8506 ppm	0.1203 ppm	1.0580 ppm	2.2714 ppm	0.0469 ppm	124.2384 ppm
Concentration RSD	0.7 %	0.4 %	0.5 %	0.1 %	0.2 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0480 ppm	0.4448 ppm	0.1822 ppm	0.2331 ppm	6.9526 ppm	12.2537 ppm	0.0149 ppm
Concentration per Run	0.0478 ppm	0.4435 ppm	0.1825 ppm	0.2339 ppm	6.9536 ppm	12.2407 ppm	0.0168 ppm
Concentration per Run	0.0480 ppm	0.4468 ppm	0.1827 ppm	0.2336 ppm	6.9764 ppm	12.2373 ppm	0.0155 ppm
Concentration per Run	0.0481 ppm	0.4442 ppm	0.1815 ppm	0.2318 ppm	6.9278 ppm	12.2830 ppm	0.0126 ppm
Concentration RSD	0.3 %	0.4 %	0.3 %	0.5 %	0.3 %	0.2 %	14.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.3691 ppm	5.6691 ppm	0.9265 ppm	84.8105 ppm	0.4582 ppm	0.4909 ppm	0.4736 ppm
Concentration per Run	29.3947 ppm	5.6634 ppm	0.9262 ppm	84.9798 ppm	0.4575 ppm	0.4899 ppm	0.4766 ppm
Concentration per Run	29.3246 ppm	5.6683 ppm	0.9237 ppm	84.3915 ppm	0.4598 ppm	0.4918 ppm	0.4706 ppm
Concentration per Run	29.3880 ppm	5.6776 ppm	0.9297 ppm	85.0604 ppm	0.4574 ppm	0.4911 ppm	0.4737 ppm
Concentration RSD	0.1 %	0.1 %	0.3 %	0.4 %	0.3 %	0.2 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1145 ppm	15.5307 ppm	0.9196 ppm	1.2475 ppm	0.9521 ppm	0.1078 ppm	0.4841 ppm
Concentration per Run	0.1106 ppm	15.5278 ppm	0.9222 ppm	1.2473 ppm	0.9478 ppm	0.1087 ppm	0.4834 ppm
Concentration per Run	0.1185 ppm	15.5034 ppm	0.9172 ppm	1.2488 ppm	0.9465 ppm	0.1071 ppm	0.4846 ppm
Concentration per Run	0.1143 ppm	15.5609 ppm	0.9194 ppm	1.2465 ppm	0.9621 ppm	0.1077 ppm	0.4841 ppm
Concentration RSD	3.4 %	0.2 %	0.3 %	0.1 %	0.9 %	0.7 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4843 ppm	99.9138 %	104.5540 %	94.5611 %	97.8783 %	104.5630 %	97.1534 %
Concentration per Run	0.4832 ppm	99.6132 %	105.5738 %	94.4865 %	97.3994 %	106.6223 %	96.9638 %
Concentration per Run	0.4859 ppm	99.8493 %	104.8947 %	94.7291 %	98.0217 %	104.2908 %	97.5663 %
Concentration per Run	0.4838 ppm	100.2787 %	103.1936 %	94.4678 %	98.2140 %	102.7761 %	96.9300 %
Concentration RSD	0.3 %	0.3 %	1.2 %	0.2 %	0.4 %	1.9 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2109640-6d5 WG2109640

Analysis started at: 9/12/2025 9:57:52 AM

Comment: <Comment>

Rack Number

1

Vial Numbers

12

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	-0.0003 ppm	0.0007 ppm	0.0259 ppm	0.1003 ppm	0.0000 ppm	23.9231 ppm
Concentration per Run	-0.0007 ppm	-0.0016 ppm	0.0010 ppm	0.0261 ppm	0.1002 ppm	0.0000 ppm	23.9622 ppm
Concentration per Run	0.0002 ppm	0.0073 ppm	-0.0008 ppm	0.0262 ppm	0.1004 ppm	0.0000 ppm	24.1561 ppm
Concentration per Run	0.0007 ppm	-0.0066 ppm	0.0018 ppm	0.0253 ppm	0.1002 ppm	0.0000 ppm	23.6511 ppm
Concentration RSD	1.302.1 %	2.517.5 %	202.9 %	1.9 %	0.1 %	7.7 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0003 ppm	1.2410 ppm	0.5697 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	-0.0001 ppm	0.0002 ppm	1.2448 ppm	0.5580 ppm	-0.0003 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm	1.2461 ppm	0.5700 ppm	0.0026 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	-0.0001 ppm	0.0003 ppm	1.2319 ppm	0.5810 ppm	0.0016 ppm
Concentration RSD	72.8 %	52.7 %	47.1 %	47.6 %	0.6 %	2.0 %	116.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.2770 ppm	1.0974 ppm	0.0001 ppm	15.6015 ppm	0.0013 ppm	-0.0003 ppm	0.0047 ppm
Concentration per Run	4.2632 ppm	1.0962 ppm	0.0000 ppm	15.5438 ppm	0.0012 ppm	-0.0004 ppm	0.0044 ppm
Concentration per Run	4.3025 ppm	1.0998 ppm	0.0000 ppm	15.6228 ppm	0.0011 ppm	0.0003 ppm	0.0044 ppm
Concentration per Run	4.2652 ppm	1.0961 ppm	0.0001 ppm	15.6379 ppm	0.0015 ppm	-0.0007 ppm	0.0052 ppm
Concentration RSD	0.5 %	0.2 %	105.3 %	0.3 %	16.4 %	191.2 %	10.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	2.9313 ppm	0.0014 ppm	0.0721 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run	0.0028 ppm	2.9203 ppm	0.0014 ppm	0.0721 ppm	-0.0003 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run	-0.0009 ppm	2.9433 ppm	0.0009 ppm	0.0722 ppm	-0.0002 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run	0.0041 ppm	2.9304 ppm	0.0011 ppm	0.0720 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm
Concentration RSD	128.8 %	0.4 %	21.2 %	0.2 %	75.3 %	244.3 %	168.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0065 ppm	103.6383 %	105.3759 %	101.8210 %	101.5702 %	104.8049 %	100.9932 %
Concentration per Run	0.0063 ppm	103.3333 %	106.1839 %	101.9467 %	101.2417 %	104.7059 %	100.9787 %
Concentration per Run	0.0067 ppm	104.3247 %	104.8276 %	101.7421 %	101.5603 %	103.9622 %	100.8299 %
Concentration per Run	0.0064 ppm	104.2570 %	105.1161 %	101.7742 %	101.9086 %	105.7465 %	101.1710 %
Concentration RSD	3.4 %	0.5 %	0.7 %	0.1 %	0.3 %	0.9 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 9:59:58 AM

Comment: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4920 ppm	0.4643 ppm	0.4737 ppm	0.4762 ppm	0.4751 ppm	0.4899 ppm	0.4791 ppm
Concentration per Run	0.4886 ppm	0.4695 ppm	0.4736 ppm	0.4714 ppm	0.4881 ppm	0.4727 ppm	0.4803 ppm
Concentration per Run	0.4935 ppm	0.4569 ppm	0.4757 ppm	0.4779 ppm	0.4907 ppm	0.4766 ppm	0.4786 ppm
Concentration per Run	0.4937 ppm	0.4665 ppm	0.4720 ppm	0.4794 ppm	0.4760 ppm	0.4910 ppm	0.4785 ppm
Recovery Percentage	98.393 %	92.865 %	94.749 %	95.246 %	95.022 %	97.985 %	95.821 %
Concentration RSD	0.6 %	1.4 %	0.4 %	0.9 %	0.4 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4975 ppm	0.4970 ppm	0.4907 ppm	0.5027 ppm	0.4853 ppm	4.9965 ppm	0.4893 ppm
Concentration per Run	0.4933 ppm	0.4922 ppm	0.4913 ppm	0.5009 ppm	0.4879 ppm	5.0146 ppm	0.4908 ppm
Concentration per Run	0.4997 ppm	0.4996 ppm	0.4904 ppm	0.5040 ppm	0.4846 ppm	4.9984 ppm	0.4854 ppm
Concentration per Run	0.4995 ppm	0.4991 ppm	0.5032 ppm	0.5032 ppm	0.4834 ppm	4.9766 ppm	0.4919 ppm
Recovery Percentage	99.497 %	99.393 %	98.148 %	100.537 %	97.058 %	99.931 %	97.864 %
Concentration RSD	0.7 %	0.8 %	0.1 %	0.3 %	0.5 %	0.4 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5035 ppm	0.4911 ppm	0.4771 ppm	9.9415 ppm	0.5023 ppm	0.4943 ppm	0.5022 ppm
Concentration per Run	0.4977 ppm	0.4925 ppm	0.4732 ppm	10.0001 ppm	0.4988 ppm	0.4954 ppm	0.4958 ppm
Concentration per Run	0.5049 ppm	0.4914 ppm	0.4783 ppm	9.9371 ppm	0.5039 ppm	0.4935 ppm	0.5064 ppm
Concentration per Run	0.5079 ppm	0.4894 ppm	0.4796 ppm	9.8874 ppm	0.5041 ppm	0.4941 ppm	0.5044 ppm
Recovery Percentage	100.706 %	98.227 %	95.411 %	99.415 %	100.456 %	98.869 %	100.438 %
Concentration RSD	1.0 %	0.3 %	0.7 %	0.6 %	0.6 %	0.2 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4756 ppm	5.2677 ppm	0.4859 ppm	0.4823 ppm	0.4945 ppm	0.4907 ppm	0.4971 ppm
Concentration per Run	0.4760 ppm	5.2250 ppm	0.4822 ppm	0.4795 ppm	0.4883 ppm	0.4908 ppm	0.4940 ppm
Concentration per Run	0.4757 ppm	5.2785 ppm	0.4876 ppm	0.4845 ppm	0.4968 ppm	0.4907 ppm	0.4992 ppm
Concentration per Run	0.4752 ppm	5.3015 ppm	0.4878 ppm	0.4830 ppm	0.4985 ppm	0.4906 ppm	0.4983 ppm
Recovery Percentage	95.127 %	100.336 %	97.177 %	96.468 %	98.903 %	98.142 %	99.430 %
Concentration RSD	0.1 %	0.7 %	0.7 %	0.5 %	1.1 %	0.0 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4887 ppm	103.3378 %	104.0805 %	101.6952 %	101.0199 %	103.5921 %	100.5619 %
Concentration per Run	0.4847 ppm	103.9666 %	103.2153 %	102.0562 %	101.7173 %	104.3235 %	101.1004 %
Concentration per Run	0.4906 ppm	102.6773 %	103.7709 %	101.0722 %	100.0283 %	103.2709 %	99.8293 %
Concentration per Run	0.4907 ppm	103.3694 %	105.2554 %	101.9571 %	101.3141 %	103.1821 %	100.7561 %
Recovery Percentage	97.731 %						
Concentration RSD	0.7 %	0.6 %	1.0 %	0.5 %	0.9 %	0.6 %	0.7 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample:

Analysis started at: 9/12/2025 10:02:02 AM

Comment <Comment>

Rack Number 0

Vial Numbers 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0027 ppm	-0.0002 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.0063 ppm	-0.0007 ppm	0.0027 ppm	0.0000 ppm	0.0000 ppm	-0.0044 ppm
Concentration per Run	0.0001 ppm	0.0043 ppm	0.0005 ppm	0.0038 ppm	-0.0003 ppm	-0.0001 ppm	0.0037 ppm
Concentration per Run	-0.0003 ppm	-0.0092 ppm	0.0002 ppm	0.0017 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm
Recovery Percentage	-0.657 %	0.436 %	-0.221 %	9.091 %	-2.154 %	-1.615 %	-0.210 %
Concentration RSD	487.4 %	1.936.4 %	5.769.4 %	39.5 %	47.5 %	48.6 %	1.921.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0004 ppm	0.0007 ppm	0.0045 ppm	-0.0021 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	-0.0002 ppm	-0.0005 ppm	0.0008 ppm	0.0043 ppm	-0.0023 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0006 ppm	0.0004 ppm	0.0005 ppm	-0.0016 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0007 ppm	-0.0001 ppm	0.0008 ppm	0.0086 ppm	-0.0024 ppm
Recovery Percentage	-0.363 %	1.132 %	2.485 %	-3.864 %	1.379 %	0.179 %	-41.913 %
Concentration RSD	308.8 %	200.3 %	191.5 %	69.5 %	31.4 %	90.5 %	19.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0035 ppm	0.0002 ppm	-0.0005 ppm	0.0015 ppm
Concentration per Run	-0.0005 ppm	0.0001 ppm	-0.0004 ppm	0.0084 ppm	0.0001 ppm	-0.0010 ppm	0.0013 ppm
Concentration per Run	-0.0005 ppm	-0.0002 ppm	-0.0001 ppm	-0.0049 ppm	0.0004 ppm	0.0004 ppm	0.0010 ppm
Concentration per Run	-0.0023 ppm	0.0002 ppm	-0.0003 ppm	0.0071 ppm	0.0002 ppm	-0.0010 ppm	0.0022 ppm
Recovery Percentage	-1.089 %	0.353 %	-0.479 %	0.177 %	0.895 %	-5.411 %	3.009 %
Concentration RSD	92.4 %	549.8 %	68.5 %	208.4 %	56.3 %	144.0 %	43.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	-0.0016 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0023 ppm	-0.0006 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	-0.0014 ppm	-0.0001 ppm
Concentration per Run	-0.0008 ppm	-0.0016 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0013 ppm	-0.0025 ppm	0.0006 ppm	0.0001 ppm	-0.0004 ppm	-0.0003 ppm	-0.0002 ppm
Recovery Percentage	9.310 %	-0.313 %	0.140 %	0.124 %	-1.174 %	-2.807 %	-0.917 %
Concentration RSD	166.3 %	60.2 %	666.7 %	636.7 %	254.6 %	131.7 %	87.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	101.6210 %	101.6708 %	100.8852 %	101.9886 %	103.1933 %	100.9942 %
Concentration per Run	0.0001 ppm	102.1633 %	101.7864 %	100.8755 %	102.4794 %	103.4191 %	100.9225 %
Concentration per Run	0.0003 ppm	101.2550 %	101.7089 %	101.2643 %	101.9589 %	103.1672 %	101.0326 %
Concentration per Run	0.0000 ppm	101.4447 %	101.5170 %	100.5157 %	101.5574 %	102.9936 %	101.0276 %
Recovery Percentage	2.422 %						
Concentration RSD	137.2 %	0.5 %	0.1 %	0.4 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554341-05 WG2109640

Analysis started at: 9/12/2025 10:18:08 AM

Comment <Comment>

Rack Number 1

Vial Numbers 16

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0271 ppm	0.0073 ppm	0.5404 ppm	0.1781 ppm	-0.0001 ppm	40.3514 ppm
Concentration per Run	0.0002 ppm	0.0281 ppm	0.0077 ppm	0.5359 ppm	0.1781 ppm	0.0000 ppm	40.2924 ppm
Concentration per Run	0.0004 ppm	0.0281 ppm	0.0065 ppm	0.5400 ppm	0.1775 ppm	-0.0001 ppm	40.2446 ppm
Concentration per Run	0.0003 ppm	0.0250 ppm	0.0079 ppm	0.5453 ppm	0.1787 ppm	-0.0001 ppm	40.5172 ppm
Concentration RSD	35.8 %	6.5 %	10.5 %	0.9 %	0.3 %	20.0 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0028 ppm	0.0003 ppm	0.0030 ppm	11.0352 ppm	6.9518 ppm	-0.0037 ppm
Concentration per Run	-0.0005 ppm	0.0031 ppm	-0.0002 ppm	0.0027 ppm	10.9294 ppm	6.9389 ppm	-0.0034 ppm
Concentration per Run	-0.0004 ppm	0.0028 ppm	0.0006 ppm	0.0032 ppm	11.0493 ppm	6.9472 ppm	-0.0043 ppm
Concentration per Run	-0.0005 ppm	0.0026 ppm	0.0005 ppm	0.0032 ppm	11.1268 ppm	6.9693 ppm	-0.0034 ppm
Concentration RSD	9.1 %	10.4 %	149.3 %	9.6 %	0.9 %	0.2 %	14.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	39.9240 ppm	0.7354 ppm	0.0013 ppm	27.1964 ppm	0.0037 ppm	-0.0004 ppm	0.0020 ppm
Concentration per Run	40.0334 ppm	0.7341 ppm	0.0009 ppm	27.0898 ppm	0.0047 ppm	-0.0005 ppm	0.0032 ppm
Concentration per Run	39.5240 ppm	0.7338 ppm	0.0015 ppm	27.2360 ppm	0.0034 ppm	0.0005 ppm	0.0025 ppm
Concentration per Run	40.2146 ppm	0.7382 ppm	0.0017 ppm	27.2634 ppm	0.0029 ppm	-0.0012 ppm	0.0004 ppm
Concentration RSD	0.9 %	0.3 %	29.3 %	0.3 %	24.6 %	215.6 %	70.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0033 ppm	4.6702 ppm	-0.0013 ppm	0.3480 ppm	0.0004 ppm	-0.0003 ppm	0.0008 ppm
Concentration per Run	0.0048 ppm	4.6647 ppm	-0.0024 ppm	0.3479 ppm	0.0008 ppm	-0.0010 ppm	0.0007 ppm
Concentration per Run	0.0012 ppm	4.6569 ppm	0.0000 ppm	0.3450 ppm	0.0003 ppm	0.0012 ppm	0.0008 ppm
Concentration per Run	0.0041 ppm	4.6891 ppm	-0.0014 ppm	0.3510 ppm	0.0000 ppm	-0.0012 ppm	0.0010 ppm
Concentration RSD	56.6 %	0.4 %	97.6 %	0.9 %	100.5 %	382.1 %	21.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0011 ppm	107.0664 %	109.2432 %	102.1685 %	105.5856 %	109.3786 %	103.3367 %
Concentration per Run	0.0012 ppm	106.9299 %	108.8874 %	102.4271 %	105.4548 %	108.4385 %	103.4132 %
Concentration per Run	0.0010 ppm	107.9583 %	109.9265 %	101.3713 %	106.4110 %	110.1876 %	102.7866 %
Concentration per Run	0.0011 ppm	106.3111 %	108.9157 %	102.7071 %	104.8910 %	109.5099 %	103.8104 %
Concentration RSD	12.0 %	0.8 %	0.5 %	0.7 %	0.7 %	0.8 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554341-06 WG2109640

Analysis started at: 9/12/2025 10:20:21 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 17

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0006 ppm	0.4402 ppm	0.0125 ppm	0.1364 ppm	0.7526 ppm	0.0000 ppm	76.2096 ppm
Concentration per Run	0.0006 ppm	0.4531 ppm	0.0157 ppm	0.1345 ppm	0.7545 ppm	0.0000 ppm	76.2042 ppm
Concentration per Run	0.0005 ppm	0.4375 ppm	0.0107 ppm	0.1363 ppm	0.7517 ppm	0.0000 ppm	76.0545 ppm
Concentration per Run	0.0006 ppm	0.4301 ppm	0.0111 ppm	0.1384 ppm	0.7515 ppm	0.0000 ppm	76.3699 ppm
Concentration RSD	13.4 %	2.7 %	22.5 %	1.4 %	0.2 %	183.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0007 ppm	0.0079 ppm	0.0011 ppm	0.0238 ppm	48.5031 ppm	8.5323 ppm	0.0020 ppm
Concentration per Run	-0.0008 ppm	0.0077 ppm	0.0011 ppm	0.0242 ppm	48.6791 ppm	8.5414 ppm	0.0037 ppm
Concentration per Run	-0.0007 ppm	0.0078 ppm	0.0013 ppm	0.0234 ppm	48.2421 ppm	8.5147 ppm	0.0023 ppm
Concentration per Run	-0.0007 ppm	0.0081 ppm	0.0008 ppm	0.0236 ppm	48.5881 ppm	8.5408 ppm	-0.0001 ppm
Concentration RSD	3.5 %	2.3 %	25.8 %	1.8 %	0.5 %	0.2 %	100.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	117.0263 ppm	4.6853 ppm	0.0006 ppm	39.2427 ppm	0.0132 ppm	0.0007 ppm	0.0013 ppm
Concentration per Run	116.3645 ppm	4.6906 ppm	0.0007 ppm	39.3323 ppm	0.0127 ppm	0.0006 ppm	0.0028 ppm
Concentration per Run	118.0808 ppm	4.6824 ppm	0.0003 ppm	39.1924 ppm	0.0135 ppm	-0.0001 ppm	0.0010 ppm
Concentration per Run	116.6335 ppm	4.6828 ppm	0.0008 ppm	39.2033 ppm	0.0133 ppm	0.0016 ppm	0.0001 ppm
Concentration RSD	0.8 %	0.1 %	42.4 %	0.2 %	2.8 %	124.0 %	107.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	10.6709 ppm	-0.0010 ppm	0.2851 ppm	0.0149 ppm	0.0003 ppm	0.0055 ppm
Concentration per Run	0.0006 ppm	10.6530 ppm	-0.0014 ppm	0.2853 ppm	0.0146 ppm	0.0000 ppm	0.0053 ppm
Concentration per Run	0.0044 ppm	10.7004 ppm	-0.0007 ppm	0.2847 ppm	0.0151 ppm	0.0011 ppm	0.0056 ppm
Concentration per Run	0.0040 ppm	10.6593 ppm	-0.0011 ppm	0.2854 ppm	0.0149 ppm	-0.0002 ppm	0.0055 ppm
Concentration RSD	70.1 %	0.2 %	34.8 %	0.1 %	1.7 %	246.6 %	3.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0065 ppm	103.7055 %	106.5349 %	97.1726 %	102.3249 %	107.3361 %	100.7938 %
Concentration per Run	0.0066 ppm	104.0978 %	105.9132 %	96.7170 %	102.6128 %	107.4444 %	100.4133 %
Concentration per Run	0.0065 ppm	103.7440 %	107.5682 %	97.4321 %	102.6320 %	108.4585 %	100.8576 %
Concentration per Run	0.0064 ppm	103.2748 %	106.1232 %	97.3688 %	101.7299 %	106.1054 %	101.1103 %
Concentration RSD	1.6 %	0.4 %	0.8 %	0.4 %	0.5 %	1.1 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554341-07 WG2109640

Analysis started at: 9/12/2025 10:22:25 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 18

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	-0.0006 ppm	0.0056 ppm	0.1370 ppm	0.1833 ppm	-0.0001 ppm	87.8578 ppm
Concentration per Run	0.0003 ppm	-0.0027 ppm	0.0066 ppm	0.1358 ppm	0.1832 ppm	0.0000 ppm	87.6152 ppm
Concentration per Run	-0.0001 ppm	0.0035 ppm	0.0048 ppm	0.1374 ppm	0.1831 ppm	-0.0001 ppm	87.9936 ppm
Concentration per Run	0.0004 ppm	-0.0026 ppm	0.0053 ppm	0.1378 ppm	0.1836 ppm	-0.0001 ppm	87.9646 ppm
Concentration RSD	139.2 %	595.5 %	16.2 %	0.8 %	0.1 %	106.8 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0010 ppm	0.0069 ppm	0.0067 ppm	0.0013 ppm	15.1394 ppm	5.8511 ppm	-0.0036 ppm
Concentration per Run	-0.0009 ppm	0.0067 ppm	0.0067 ppm	0.0015 ppm	15.0715 ppm	5.8750 ppm	-0.0031 ppm
Concentration per Run	-0.0008 ppm	0.0071 ppm	0.0071 ppm	0.0015 ppm	15.3189 ppm	5.8190 ppm	-0.0024 ppm
Concentration per Run	-0.0011 ppm	0.0070 ppm	0.0070 ppm	0.0010 ppm	15.0277 ppm	5.8594 ppm	-0.0052 ppm
Concentration RSD	14.8 %	2.4 %	41.6 %	18.3 %	1.0 %	0.5 %	40.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	123.5847 ppm	0.5304 ppm	0.0065 ppm	41.7637 ppm	0.0113 ppm	-0.0007 ppm	0.0023 ppm
Concentration per Run	123.5803 ppm	0.5310 ppm	0.0066 ppm	41.6771 ppm	0.0123 ppm	-0.0012 ppm	0.0022 ppm
Concentration per Run	124.3759 ppm	0.5300 ppm	0.0088 ppm	41.5502 ppm	0.0113 ppm	0.0007 ppm	0.0046 ppm
Concentration per Run	122.7979 ppm	0.5301 ppm	0.0060 ppm	42.0640 ppm	0.0102 ppm	-0.0016 ppm	0.0001 ppm
Concentration RSD	0.6 %	0.1 %	6.3 %	0.6 %	9.2 %	174.2 %	98.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0049 ppm	8.1178 ppm	-0.0006 ppm	0.3551 ppm	0.0001 ppm	-0.0004 ppm	0.0007 ppm
Concentration per Run	0.0017 ppm	8.1092 ppm	-0.0003 ppm	0.3521 ppm	0.0002 ppm	-0.0004 ppm	0.0007 ppm
Concentration per Run	0.0085 ppm	8.1437 ppm	-0.0012 ppm	0.3550 ppm	0.0000 ppm	-0.0012 ppm	0.0006 ppm
Concentration per Run	0.0044 ppm	8.1005 ppm	-0.0002 ppm	0.3582 ppm	0.0000 ppm	0.0005 ppm	0.0009 ppm
Concentration RSD	70.0 %	0.3 %	95.6 %	0.9 %	166.7 %	211.4 %	21.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	103.5259 %	106.5951 %	96.2798 %	102.1355 %	106.4219 %	98.9841 %
Concentration per Run	0.0001 ppm	104.0132 %	106.3158 %	95.9077 %	102.7885 %	105.9559 %	98.8575 %
Concentration per Run	-0.0001 ppm	103.2300 %	107.5015 %	96.5563 %	101.9175 %	106.3747 %	98.9211 %
Concentration per Run	0.0004 ppm	103.3346 %	105.9679 %	96.3754 %	101.7004 %	106.9351 %	99.1737 %
Concentration RSD	182.4 %	0.4 %	0.8 %	0.3 %	0.6 %	0.5 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554341-08 WG2109640

Analysis started at: 9/12/2025 10:24:30 AM

Comment <Comment>

Rack Number 1

Vial Numbers 19

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.2988 ppm	0.0158 ppm	0.1088 ppm	0.1640 ppm	0.0000 ppm	48.8298 ppm
Concentration per Run	0.0001 ppm	0.3029 ppm	0.0152 ppm	0.1090 ppm	0.1640 ppm	0.0000 ppm	48.9084 ppm
Concentration per Run	0.0004 ppm	0.2954 ppm	0.0166 ppm	0.1099 ppm	0.1637 ppm	0.0000 ppm	48.8351 ppm
Concentration per Run	0.0000 ppm	0.2982 ppm	0.0157 ppm	0.1076 ppm	0.1642 ppm	0.0000 ppm	48.7458 ppm
Concentration RSD	111.8 %	1.3 %	4.5 %	1.1 %	0.1 %	15.834.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0109 ppm	0.0020 ppm	0.0051 ppm	41.1080 ppm	4.0883 ppm	-0.0037 ppm
Concentration per Run	-0.0005 ppm	0.0106 ppm	0.0019 ppm	0.0052 ppm	41.1091 ppm	4.1193 ppm	-0.0021 ppm
Concentration per Run	-0.0004 ppm	0.0111 ppm	0.0018 ppm	0.0048 ppm	41.0416 ppm	4.0824 ppm	-0.0052 ppm
Concentration per Run	-0.0007 ppm	0.0111 ppm	0.0021 ppm	0.0054 ppm	41.1732 ppm	4.0632 ppm	-0.0039 ppm
Concentration RSD	21.9 %	2.8 %	9.1 %	5.5 %	0.2 %	0.7 %	41.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	43.4614 ppm	1.3738 ppm	0.0034 ppm	36.1097 ppm	0.0147 ppm	0.0001 ppm	0.0046 ppm
Concentration per Run	43.7201 ppm	1.3746 ppm	0.0036 ppm	35.9909 ppm	0.0149 ppm	0.0004 ppm	0.0028 ppm
Concentration per Run	43.2486 ppm	1.3734 ppm	0.0033 ppm	36.2786 ppm	0.0142 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run	43.4155 ppm	1.3733 ppm	0.0033 ppm	36.0596 ppm	0.0151 ppm	-0.0002 ppm	0.0079 ppm
Concentration RSD	0.6 %	0.0 %	5.3 %	0.4 %	3.3 %	396.5 %	62.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	3.5767 ppm	-0.0008 ppm	0.2503 ppm	0.0081 ppm	0.0004 ppm	0.0047 ppm
Concentration per Run	0.0036 ppm	3.5851 ppm	-0.0013 ppm	0.2507 ppm	0.0086 ppm	0.0008 ppm	0.0046 ppm
Concentration per Run	0.0031 ppm	3.5676 ppm	-0.0004 ppm	0.2490 ppm	0.0080 ppm	0.0001 ppm	0.0047 ppm
Concentration per Run	-0.0028 ppm	3.5774 ppm	-0.0006 ppm	0.2512 ppm	0.0078 ppm	0.0003 ppm	0.0047 ppm
Concentration RSD	280.3 %	0.2 %	59.7 %	0.5 %	4.9 %	86.7 %	2.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0026 ppm	105.6175 %	108.4454 %	101.1035 %	104.9053 %	109.2598 %	104.1395 %
Concentration per Run	0.0027 ppm	104.7044 %	108.1843 %	100.9532 %	103.9737 %	108.7717 %	103.8898 %
Concentration per Run	0.0024 ppm	106.4770 %	108.6192 %	101.7100 %	105.7548 %	110.1970 %	104.9086 %
Concentration per Run	0.0027 ppm	105.6711 %	108.5327 %	100.6474 %	104.9874 %	108.8107 %	103.6199 %
Concentration RSD	7.1 %	0.8 %	0.2 %	0.5 %	0.9 %	0.7 %	0.7 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554341-09 WG2109640

Analysis started at: 9/12/2025 10:26:34 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 20

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.1920 ppm	0.0000 ppm	0.0945 ppm	0.2456 ppm	0.0000 ppm	34.1472 ppm
Concentration per Run	0.0001 ppm	0.1867 ppm	0.0004 ppm	0.0947 ppm	0.2448 ppm	0.0000 ppm	33.8788 ppm
Concentration per Run	0.0004 ppm	0.1888 ppm	-0.0023 ppm	0.0951 ppm	0.2467 ppm	0.0000 ppm	34.4296 ppm
Concentration per Run	-0.0001 ppm	0.2006 ppm	0.0018 ppm	0.0935 ppm	0.2453 ppm	0.0000 ppm	34.1331 ppm
Concentration RSD	172.6 %	3.9 %	6.370.8 %	0.9 %	0.4 %	31.0 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0026 ppm	0.0010 ppm	0.0057 ppm	14.7198 ppm	3.2753 ppm	0.0120 ppm
Concentration per Run	-0.0004 ppm	0.0026 ppm	0.0007 ppm	0.0059 ppm	14.6350 ppm	3.3011 ppm	0.0124 ppm
Concentration per Run	-0.0005 ppm	0.0023 ppm	0.0006 ppm	0.0055 ppm	14.8135 ppm	3.2629 ppm	0.0124 ppm
Concentration per Run	-0.0004 ppm	0.0030 ppm	0.0016 ppm	0.0057 ppm	14.7109 ppm	3.2619 ppm	0.0113 ppm
Concentration RSD	8.2 %	11.5 %	55.7 %	3.8 %	0.6 %	0.7 %	5.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	40.8523 ppm	0.6716 ppm	0.0001 ppm	123.3157 ppm	0.0041 ppm	0.0009 ppm	0.0022 ppm
Concentration per Run	41.0314 ppm	0.6713 ppm	0.0003 ppm	122.7314 ppm	0.0039 ppm	0.0016 ppm	0.0034 ppm
Concentration per Run	40.8279 ppm	0.6716 ppm	-0.0001 ppm	123.5864 ppm	0.0044 ppm	0.0010 ppm	0.0025 ppm
Concentration per Run	40.8976 ppm	0.6721 ppm	0.0001 ppm	123.6492 ppm	0.0039 ppm	0.0002 ppm	0.0008 ppm
Concentration RSD	0.5 %	0.1 %	179.5 %	0.4 %	6.9 %	76.1 %	60.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	3.5244 ppm	-0.0012 ppm	0.1408 ppm	0.0079 ppm	0.0010 ppm	0.0008 ppm
Concentration per Run	-0.0022 ppm	3.5287 ppm	-0.0017 ppm	0.1411 ppm	0.0080 ppm	0.0016 ppm	0.0010 ppm
Concentration per Run	0.0076 ppm	3.5206 ppm	-0.0018 ppm	0.1407 ppm	0.0080 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run	0.0020 ppm	3.5239 ppm	-0.0001 ppm	0.1405 ppm	0.0078 ppm	0.0013 ppm	0.0006 ppm
Concentration RSD	198.8 %	0.1 %	80.8 %	0.2 %	1.6 %	85.1 %	26.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0041 ppm	105.3788 %	109.2922 %	99.8668 %	103.3801 %	108.7813 %	101.9759 %
Concentration per Run	0.0042 ppm	104.9293 %	109.9399 %	99.5892 %	103.2861 %	109.0681 %	101.6518 %
Concentration per Run	0.0037 ppm	105.5618 %	109.1474 %	99.9687 %	103.0960 %	108.5804 %	102.1278 %
Concentration per Run	0.0043 ppm	105.6454 %	108.7892 %	100.0424 %	103.7583 %	108.6954 %	102.1481 %
Concentration RSD	8.1 %	0.4 %	0.5 %	0.2 %	0.3 %	0.2 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCV

Sample: 9/12/2025 10:28:39 AM

Analysis started at: 9/12/2025 10:28:39 AM

Comment: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4887 ppm	0.4623 ppm	0.4731 ppm	0.4741 ppm	0.4751 ppm	0.4877 ppm	0.4756 ppm
Concentration per Run	0.4904 ppm	0.4612 ppm	0.4723 ppm	0.4737 ppm	0.4743 ppm	0.4877 ppm	0.4765 ppm
Concentration per Run	0.4873 ppm	0.4657 ppm	0.4750 ppm	0.4704 ppm	0.4743 ppm	0.4873 ppm	0.4773 ppm
Concentration per Run	0.4883 ppm	0.4599 ppm	0.4719 ppm	0.4782 ppm	0.4775 ppm	0.4881 ppm	0.4726 ppm
Recovery Percentage	97.738 %	92.453 %	94.615 %	94.824 %	95.012 %	97.542 %	95.119 %
Concentration RSD	0.3 %	0.7 %	0.4 %	0.8 %	0.5 %	0.1 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4957 ppm	0.4979 ppm	0.4921 ppm	0.5034 ppm	0.4843 ppm	5.0076 ppm	0.4908 ppm
Concentration per Run	0.4971 ppm	0.4986 ppm	0.4929 ppm	0.5034 ppm	0.4869 ppm	5.0003 ppm	0.4977 ppm
Concentration per Run	0.4931 ppm	0.4982 ppm	0.4900 ppm	0.5014 ppm	0.4824 ppm	4.9933 ppm	0.4839 ppm
Concentration per Run	0.4968 ppm	0.4970 ppm	0.4934 ppm	0.5053 ppm	0.4837 ppm	5.0293 ppm	0.4907 ppm
Recovery Percentage	99.132 %	99.585 %	98.422 %	100.670 %	96.868 %	100.153 %	98.154 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.4 %	0.5 %	0.4 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4964 ppm	0.4912 ppm	0.4762 ppm	9.9933 ppm	0.5016 ppm	0.4972 ppm	0.5028 ppm
Concentration per Run	0.4989 ppm	0.4902 ppm	0.4758 ppm	9.9169 ppm	0.5016 ppm	0.4950 ppm	0.5054 ppm
Concentration per Run	0.4933 ppm	0.4916 ppm	0.4753 ppm	10.0575 ppm	0.4996 ppm	0.4979 ppm	0.5008 ppm
Concentration per Run	0.4969 ppm	0.4918 ppm	0.4777 ppm	10.0055 ppm	0.5036 ppm	0.4986 ppm	0.5020 ppm
Recovery Percentage	99.271 %	98.247 %	95.248 %	99.933 %	100.320 %	99.431 %	100.551 %
Concentration RSD	0.6 %	0.2 %	0.3 %	0.7 %	0.4 %	0.4 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4752 ppm	5.2470 ppm	0.4876 ppm	0.4814 ppm	0.4863 ppm	0.4903 ppm	0.4968 ppm
Concentration per Run	0.4775 ppm	5.2514 ppm	0.4868 ppm	0.4798 ppm	0.4829 ppm	0.4971 ppm	0.4971 ppm
Concentration per Run	0.4728 ppm	5.2320 ppm	0.4838 ppm	0.4812 ppm	0.4836 ppm	0.4927 ppm	0.4951 ppm
Concentration per Run	0.4751 ppm	5.2575 ppm	0.4921 ppm	0.4831 ppm	0.4823 ppm	0.4982 ppm	0.4982 ppm
Recovery Percentage	95.031 %	99.942 %	97.514 %	96.270 %	97.254 %	98.053 %	99.356 %
Concentration RSD	0.5 %	0.3 %	0.9 %	0.3 %	1.2 %	0.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4866 ppm	103.5029 %	103.8693 %	101.2710 %	101.0483 %	103.3869 %	100.3651 %
Concentration per Run	0.4870 ppm	103.0027 %	104.0842 %	101.6437 %	100.2988 %	102.0785 %	100.4218 %
Concentration per Run	0.4846 ppm	104.4431 %	103.6851 %	100.8214 %	101.9012 %	103.8699 %	100.2264 %
Concentration per Run	0.4883 ppm	103.0629 %	103.8386 %	101.3480 %	100.9451 %	104.2124 %	100.4472 %
Recovery Percentage	97.324 %						
Concentration RSD	0.4 %	0.8 %	0.2 %	0.4 %	0.8 %	1.1 %	0.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCB

Sample: 9/12/2025 10:30:44 AM

Analysis started at: 9/12/2025 10:30:44 AM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0080 ppm	-0.0009 ppm	0.0025 ppm	-0.0002 ppm	-0.0001 ppm	0.0019 ppm
Concentration per Run	0.0007 ppm	0.0048 ppm	0.0007 ppm	0.0033 ppm	-0.0001 ppm	-0.0001 ppm	0.0020 ppm
Concentration per Run	0.0000 ppm	0.0149 ppm	-0.0014 ppm	0.0029 ppm	-0.0003 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run	-0.0002 ppm	0.0044 ppm	-0.0020 ppm	0.0015 ppm	-0.0002 ppm	-0.0001 ppm	0.0032 ppm
Recovery Percentage	2.276 %	8.015 %	-18.261 %	8.473 %	-2.294 %	-1.410 %	1.877 %
Concentration RSD	298.3 %	74.0 %	153.1 %	37.3 %	17.9 %	66.9 %	70.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0005 ppm	0.0001 ppm	-0.0003 ppm	0.0007 ppm	0.0080 ppm	-0.0027 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	-0.0010 ppm	0.0398 ppm	-0.0038 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0001 ppm	-0.0006 ppm	0.0012 ppm	-0.0176 ppm	-0.0030 ppm
Concentration per Run	0.0000 ppm	0.0013 ppm	0.0001 ppm	-0.0002 ppm	0.0020 ppm	0.0016 ppm	-0.0015 ppm
Recovery Percentage	-0.836 %	2.723 %	1.338 %	-2.957 %	1.497 %	0.318 %	-53.471 %
Concentration RSD	167.4 %	135.4 %	42.8 %	103.0 %	205.0 %	367.3 %	39.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0004 ppm	0.0002 ppm	0.0002 ppm	0.0033 ppm	0.0001 ppm	-0.0004 ppm	0.0025 ppm
Concentration per Run	0.0008 ppm	0.0002 ppm	-0.0001 ppm	0.0090 ppm	0.0003 ppm	-0.0009 ppm	0.0015 ppm
Concentration per Run	-0.0017 ppm	0.0001 ppm	-0.0003 ppm	-0.0041 ppm	0.0003 ppm	0.0001 ppm	0.0030 ppm
Concentration per Run	0.0021 ppm	0.0004 ppm	-0.0001 ppm	0.0050 ppm	-0.0003 ppm	-0.0005 ppm	0.0033 ppm
Recovery Percentage	0.416 %	2.212 %	-0.183 %	0.165 %	0.245 %	-4.348 %	5.199 %
Concentration RSD	472.2 %	66.2 %	467.2 %	204.4 %	572.2 %	107.9 %	35.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	-0.0005 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0033 ppm	-0.0008 ppm	-0.0008 ppm	-0.0001 ppm	-0.0006 ppm	0.0008 ppm	-0.0003 ppm
Concentration per Run	0.0015 ppm	-0.0004 ppm	0.0007 ppm	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run	0.0019 ppm	-0.0004 ppm	0.0000 ppm	-0.0001 ppm	-0.0006 ppm	-0.0011 ppm	-0.0004 ppm
Recovery Percentage	22.428 %	-0.106 %	-0.044 %	-0.871 %	-4.117 %	0.405 %	-1.635 %
Concentration RSD	42.5 %	43.7 %	3.540.9 %	53.6 %	66.7 %	1.309.4 %	196.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	102.1234 %	102.1228 %	100.7661 %	102.8795 %	104.0713 %	101.0264 %
Concentration per Run	0.0001 ppm	102.2098 %	100.8237 %	100.0594 %	103.1552 %	102.4809 %	100.4496 %
Concentration per Run	0.0000 ppm	101.5792 %	102.3088 %	101.6298 %	102.5248 %	105.0379 %	101.7056 %
Concentration per Run	-0.0001 ppm	102.5814 %	103.2359 %	100.6090 %	102.9585 %	104.6950 %	100.9241 %
Recovery Percentage	0.249 %						
Concentration RSD	1,005.7 %	0.5 %	1.2 %	0.8 %	0.3 %	1.3 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2113864-1 WG2113864

Analysis started at: 9/12/2025 11:39:24 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 21

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0121 ppm	-0.0007 ppm	0.0012 ppm	0.0000 ppm	-0.0001 ppm	0.0126 ppm
Concentration per Run	0.0003 ppm	0.0064 ppm	-0.0004 ppm	0.0017 ppm	0.0000 ppm	-0.0001 ppm	0.0142 ppm
Concentration per Run	-0.0004 ppm	0.0171 ppm	-0.0006 ppm	0.0014 ppm	0.0000 ppm	-0.0001 ppm	0.0114 ppm
Concentration per Run	0.0000 ppm	0.0129 ppm	-0.0010 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0123 ppm
Concentration RSD	1.375.0 %	44.3 %	51.6 %	51.3 %	311.5 %	83.1 %	11.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0002 ppm	0.0453 ppm	0.0008 ppm	-0.0042 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0012 ppm	0.0001 ppm	0.0448 ppm	0.0006 ppm	-0.0059 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm	0.0454 ppm	-0.0012 ppm	-0.0036 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0004 ppm	0.0457 ppm	0.0029 ppm	-0.0032 ppm
Concentration RSD	25.505.5 %	58.1 %	58.0 %	149.3 %	1.0 %	269.5 %	33.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0026 ppm	0.0006 ppm	-0.0001 ppm	-0.0026 ppm	-0.0001 ppm	-0.0003 ppm	0.0043 ppm
Concentration per Run	-0.0006 ppm	0.0004 ppm	-0.0002 ppm	-0.0014 ppm	-0.0007 ppm	-0.0003 ppm	0.0089 ppm
Concentration per Run	0.0058 ppm	0.0007 ppm	-0.0001 ppm	-0.0027 ppm	-0.0008 ppm	0.0013 ppm	0.0025 ppm
Concentration per Run	0.0026 ppm	0.0008 ppm	-0.0002 ppm	-0.0038 ppm	0.0012 ppm	-0.0017 ppm	0.0015 ppm
Concentration RSD	123.6 %	27.0 %	54.1 %	45.2 %	1.108.5 %	579.9 %	92.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0023 ppm	0.0089 ppm	0.0084 ppm	-0.0001 ppm	-0.0006 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0035 ppm	0.0102 ppm	0.0090 ppm	0.0000 ppm	-0.0004 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run	0.0016 ppm	0.0070 ppm	0.0085 ppm	-0.0002 ppm	-0.0010 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0017 ppm	0.0097 ppm	0.0076 ppm	-0.0001 ppm	-0.0003 ppm	-0.0011 ppm	-0.0003 ppm
Concentration RSD	46.5 %	19.0 %	8.7 %	63.3 %	63.2 %	27.2 %	217.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0012 ppm	104.6153 %	105.4251 %	101.8896 %	103.6319 %	102.2279 %
Concentration per Run	0.0011 ppm	104.6851 %	105.5759 %	102.1260 %	103.6557 %	102.2740 %
Concentration per Run	0.0012 ppm	104.7074 %	105.0233 %	101.7125 %	104.1498 %	102.2015 %
Concentration per Run	0.0013 ppm	104.4533 %	105.6762 %	101.8303 %	103.0903 %	102.2082 %
Concentration RSD	5.3 %	0.1 %	0.3 %	0.2 %	0.5 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2113864-2d2 WG2113864

Analysis started at: 9/12/2025 11:41:40 AM

Comment: <Comment>

Rack Number 1

Vial Numbers 22

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0501 ppm	2.0195 ppm	0.0871 ppm	0.7470 ppm	1.9744 ppm	0.0504 ppm	7.6341 ppm
Concentration per Run	0.0501 ppm	2.0343 ppm	0.0868 ppm	0.7458 ppm	1.9811 ppm	0.0504 ppm	7.6465 ppm
Concentration per Run	0.0503 ppm	2.0154 ppm	0.0884 ppm	0.7501 ppm	1.9688 ppm	0.0504 ppm	7.6513 ppm
Concentration per Run	0.0497 ppm	2.0088 ppm	0.0862 ppm	0.7451 ppm	1.9734 ppm	0.0504 ppm	7.6045 ppm
Concentration RSD	0.6 %	0.7 %	1.3 %	0.4 %	0.3 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0526 ppm	0.4937 ppm	0.1984 ppm	0.2550 ppm	1.0236 ppm	7.9563 ppm	-0.0032 ppm
Concentration per Run	0.0524 ppm	0.4942 ppm	0.1975 ppm	0.2548 ppm	1.0218 ppm	7.9880 ppm	-0.0023 ppm
Concentration per Run	0.0526 ppm	0.4955 ppm	0.1992 ppm	0.2548 ppm	1.0276 ppm	7.9232 ppm	-0.0032 ppm
Concentration per Run	0.0528 ppm	0.4913 ppm	0.1985 ppm	0.2555 ppm	1.0212 ppm	7.9577 ppm	-0.0041 ppm
Concentration RSD	0.3 %	0.4 %	0.4 %	0.2 %	0.3 %	0.4 %	28.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	7.8854 ppm	0.5011 ppm	0.7533 ppm	7.9422 ppm	0.5084 ppm	0.3961 ppm	0.5169 ppm
Concentration per Run	7.8738 ppm	0.5022 ppm	0.7546 ppm	7.9535 ppm	0.5078 ppm	0.3966 ppm	0.5124 ppm
Concentration per Run	7.9044 ppm	0.4997 ppm	0.7538 ppm	7.9192 ppm	0.5086 ppm	0.3966 ppm	0.5161 ppm
Concentration per Run	7.8778 ppm	0.5015 ppm	0.7514 ppm	7.9540 ppm	0.5087 ppm	0.3952 ppm	0.5223 ppm
Concentration RSD	0.2 %	0.3 %	0.2 %	0.3 %	0.1 %	0.2 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0883 ppm	0.8671 ppm	0.7575 ppm	0.7457 ppm	0.7696 ppm	0.0875 ppm	0.5141 ppm
Concentration per Run	0.0909 ppm	0.8635 ppm	0.7542 ppm	0.7474 ppm	0.7668 ppm	0.0875 ppm	0.5145 ppm
Concentration per Run	0.0874 ppm	0.8686 ppm	0.7581 ppm	0.7448 ppm	0.7704 ppm	0.0889 ppm	0.5143 ppm
Concentration per Run	0.0867 ppm	0.8692 ppm	0.7603 ppm	0.7449 ppm	0.7716 ppm	0.0862 ppm	0.5137 ppm
Concentration RSD	2.5 %	0.4 %	0.4 %	0.2 %	0.3 %	1.5 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4916 ppm	102.2361 %	104.6009 %	100.6849 %	104.6361 %	99.8782 %
Concentration per Run	0.4908 ppm	102.4144 %	104.0517 %	100.5242 %	104.7052 %	99.8005 %
Concentration per Run	0.4939 ppm	102.1834 %	99.9954 %	100.9945 %	103.7825 %	99.7794 %
Concentration per Run	0.4902 ppm	102.1104 %	104.9054 %	100.4017 %	105.4204 %	100.0548 %
Concentration RSD	0.4 %	0.2 %	0.5 %	0.2 %	0.3 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2557332-01d2 WG2113864

Analysis started at: 9/12/2025 11:43:44 AM

Comment <Comment>

Rack Number 1

Vial Numbers 28

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0012 ppm	104.3379 ppm	0.0581 ppm	0.2145 ppm	0.2156 ppm	0.0058 ppm	17.4122 ppm
Concentration per Run	0.0012 ppm	104.7147 ppm	0.0591 ppm	0.2130 ppm	0.2157 ppm	0.0058 ppm	17.4068 ppm
Concentration per Run	0.0011 ppm	104.0279 ppm	0.0573 ppm	0.2141 ppm	0.2163 ppm	0.0057 ppm	17.4085 ppm
Concentration per Run	0.0013 ppm	104.2711 ppm	0.0580 ppm	0.2164 ppm	0.2147 ppm	0.0057 ppm	17.4212 ppm
Concentration RSD	6.6 %	0.3 %	1.6 %	0.8 %	0.4 %	1.1 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.0754 ppm	0.2303 ppm	0.0931 ppm	228.5063 ppm	28.6284 ppm	0.2378 ppm
Concentration per Run	0.0007 ppm	0.0753 ppm	0.2297 ppm	0.0926 ppm	226.5988 ppm	28.6621 ppm	0.2381 ppm
Concentration per Run	0.0009 ppm	0.0753 ppm	0.2290 ppm	0.0932 ppm	229.4383 ppm	28.6560 ppm	0.2384 ppm
Concentration per Run	0.0010 ppm	0.0755 ppm	0.2321 ppm	0.0935 ppm	229.4816 ppm	28.5672 ppm	0.2368 ppm
Concentration RSD	15.8 %	0.2 %	0.7 %	0.5 %	0.7 %	0.2 %	0.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	58.4942 ppm	3.8074 ppm	0.0293 ppm	29.1200 ppm	0.1790 ppm	0.0952 ppm	0.0029 ppm
Concentration per Run	58.6283 ppm	3.8154 ppm	0.0298 ppm	29.4161 ppm	0.1790 ppm	0.0953 ppm	0.0043 ppm
Concentration per Run	58.5145 ppm	3.8101 ppm	0.0285 ppm	29.0326 ppm	0.1789 ppm	0.0935 ppm	0.0018 ppm
Concentration per Run	58.3396 ppm	3.7966 ppm	0.0285 ppm	28.9113 ppm	0.1790 ppm	0.0966 ppm	0.0028 ppm
Concentration RSD	0.2 %	0.3 %	2.3 %	0.9 %	0.0 %	1.6 %	42.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0066 ppm	12.4541 ppm	0.0081 ppm	0.1815 ppm	2.9800 ppm	-0.0009 ppm	0.2943 ppm
Concentration per Run	0.0085 ppm	12.3942 ppm	0.0084 ppm	0.1816 ppm	2.9826 ppm	-0.0015 ppm	0.2946 ppm
Concentration per Run	0.0037 ppm	12.2841 ppm	0.0077 ppm	0.1823 ppm	3.0070 ppm	-0.0011 ppm	0.2939 ppm
Concentration per Run	0.0074 ppm	12.6840 ppm	0.0082 ppm	0.1805 ppm	2.9405 ppm	-0.0002 ppm	0.2944 ppm
Concentration RSD	39.6 %	1.7 %	4.0 %	0.5 %	1.2 %	73.9 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5094 ppm	106.7520 ppm	112.6240 ppm	98.1952 ppm	128.4456 ppm	138.9642 ppm	128.1560 ppm
Concentration per Run	0.5091 ppm	106.1815 ppm	111.7799 ppm	98.1069 ppm	127.6329 ppm	139.4773 ppm	127.4701 ppm
Concentration per Run	0.5070 ppm	106.8779 ppm	113.3352 ppm	99.1622 ppm	128.7585 ppm	139.8359 ppm	129.4179 ppm
Concentration per Run	0.5121 ppm	107.1966 ppm	112.7528 ppm	97.3164 ppm	128.9453 ppm	137.5793 ppm	127.5802 ppm
Concentration RSD	0.5 %	0.5 %	0.7 %	0.9 %	0.6 %	0.9 %	0.9 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2557379-02d2 WG2113864

Analysis started at: 9/12/2025 11:45:49 AM

Comment <Comment>

Rack Number 1

Vial Numbers 29

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0006 ppm	100.9584 ppm	0.0513 ppm	0.0669 ppm	1.7421 ppm	0.0085 ppm	339.0481 ppm
Concentration per Run	0.0005 ppm	101.0666 ppm	0.0510 ppm	0.0653 ppm	1.7458 ppm	0.0085 ppm	339.1930 ppm
Concentration per Run	0.0010 ppm	101.1438 ppm	0.0513 ppm	0.0671 ppm	1.7448 ppm	0.0085 ppm	340.1625 ppm
Concentration per Run	0.0004 ppm	100.6649 ppm	0.0516 ppm	0.0682 ppm	1.7357 ppm	0.0084 ppm	337.7887 ppm
Concentration RSD	48.9 %	0.3 %	0.6 %	2.2 %	0.3 %	0.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0015 ppm	0.0295 ppm	0.1556 ppm	0.2221 ppm	104.6991 ppm	7.7297 ppm	0.0665 ppm
Concentration per Run	-0.0015 ppm	0.0287 ppm	0.1551 ppm	0.2219 ppm	104.9307 ppm	7.7351 ppm	0.0680 ppm
Concentration per Run	-0.0015 ppm	0.0297 ppm	0.1553 ppm	0.2221 ppm	104.7295 ppm	7.7429 ppm	0.0658 ppm
Concentration per Run	-0.0015 ppm	0.0300 ppm	0.1563 ppm	0.2222 ppm	104.4373 ppm	7.7112 ppm	0.0659 ppm
Concentration RSD	2.6 %	2.2 %	0.4 %	0.1 %	0.2 %	0.2 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	81.8451 ppm	11.4074 ppm	0.0047 ppm	3.7794 ppm	0.0553 ppm	0.4572 ppm	0.0047 ppm
Concentration per Run	81.3865 ppm	11.4300 ppm	0.0049 ppm	3.7836 ppm	0.0550 ppm	0.4595 ppm	0.0060 ppm
Concentration per Run	82.0555 ppm	11.4104 ppm	0.0045 ppm	3.7776 ppm	0.0555 ppm	0.4535 ppm	0.0071 ppm
Concentration per Run	82.0931 ppm	11.3818 ppm	0.0048 ppm	3.7770 ppm	0.0553 ppm	0.4586 ppm	0.0009 ppm
Concentration RSD	0.5 %	0.2 %	4.0 %	0.1 %	0.4 %	0.7 %	71.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0112 ppm	34.1470 [SIC 100]	0.0263 ppm	0.6360 ppm	3.6867 ppm	0.0006 ppm	0.2194 ppm
Concentration per Run	0.0148 ppm	34.2296 ppm	0.0272 ppm	0.6366 ppm	3.6637 ppm	0.0012 ppm	0.2179 ppm
Concentration per Run	0.0073 ppm	34.1581 ppm	0.0260 ppm	0.6370 ppm	3.6932 ppm	0.0014 ppm	0.2198 ppm
Concentration per Run	0.0116 ppm	34.0532 ppm	0.0257 ppm	0.6344 ppm	3.7032 ppm	-0.0008 ppm	0.2205 ppm
Concentration RSD	33.2 %	0.3 %	3.1 %	0.2 %	0.6 %	207.5 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7351 ppm	104.2241 ppm	112.4120 ppm	94.8821 ppm	133.2031 ppm	148.3921 %	133.4000 %
Concentration per Run	0.7333 ppm	104.1497 ppm	112.3114 ppm	94.1975 ppm	133.1350 ppm	147.8326 %	132.8824 %
Concentration per Run	0.7346 ppm	104.1020 ppm	112.0564 ppm	95.4541 ppm	132.6652 ppm	147.9307 %	134.0335 %
Concentration per Run	0.7374 ppm	104.4206 ppm	112.8682 ppm	94.9946 ppm	133.8090 ppm	149.4131 %	133.2842 %
Concentration RSD	0.3 %	0.2 %	0.4 %	0.7 %	0.4 %	0.6 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: eL2557480-04d2 WG2113864

Analysis started at: 9/12/2025 11:47:54 AM

Comment <Comment>

Rack Number 1

Vial Numbers 23

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0032 ppm	163.5463 ppm	0.0659 ppm	0.0796 ppm	0.9107 ppm	0.0070 ppm	181.8662 ppm
Concentration per Run	0.0027 ppm	163.4359 ppm	0.0657 ppm	0.0797 ppm	0.9096 ppm	0.0070 ppm	181.5952 ppm
Concentration per Run	0.0037 ppm	163.3390 ppm	0.0657 ppm	0.0800 ppm	0.9119 ppm	0.0070 ppm	181.8410 ppm
Concentration per Run	0.0032 ppm	163.8641 ppm	0.0662 ppm	0.0792 ppm	0.9108 ppm	0.0070 ppm	182.1625 ppm
Concentration RSD	16.1 %	0.2 %	0.4 %	0.5 %	0.1 %	0.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	0.1170 ppm	0.2148 ppm	0.3008 ppm	267.8288 ppm	28.7068 ppm	0.2932 ppm
Concentration per Run	-0.0005 ppm	0.1176 ppm	0.2130 ppm	0.3004 ppm	266.9775 ppm	28.7044 ppm	0.2892 ppm
Concentration per Run	-0.0005 ppm	0.1169 ppm	0.2185 ppm	0.3008 ppm	267.1159 ppm	28.5726 ppm	0.2924 ppm
Concentration per Run	-0.0007 ppm	0.1165 ppm	0.2130 ppm	0.3013 ppm	269.3930 ppm	28.8434 ppm	0.2980 ppm
Concentration RSD	20.5 %	0.5 %	1.5 %	0.1 %	0.5 %	0.5 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	80.2003 ppm	7.7670 ppm	0.0026 ppm	3.6502 ppm	0.2797 ppm	0.2575 ppm	0.0058 ppm
Concentration per Run	80.1713 ppm	7.7732 ppm	0.0023 ppm	3.6722 ppm	0.2805 ppm	0.2574 ppm	0.0023 ppm
Concentration per Run	80.2316 ppm	7.7584 ppm	0.0024 ppm	3.6928 ppm	0.2789 ppm	0.2588 ppm	0.0079 ppm
Concentration per Run	80.1980 ppm	7.7694 ppm	0.0032 ppm	3.5858 ppm	0.2796 ppm	0.2563 ppm	0.0066 ppm
Concentration RSD	0.0 %	0.1 %	19.9 %	1.6 %	0.3 %	0.5 %	44.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0035 ppm	178.6423 [SIC 100]	0.0088 ppm	0.5647 ppm	3.7170 ppm	-0.0011 ppm	0.2528 ppm
Concentration per Run	-0.0001 ppm	178.9664 ppm	0.0082 ppm	0.5628 ppm	3.6959 ppm	0.0002 ppm	0.2524 ppm
Concentration per Run	0.0085 ppm	178.6707 ppm	0.0096 ppm	0.5663 ppm	3.6769 ppm	-0.0017 ppm	0.2525 ppm
Concentration per Run	0.0022 ppm	178.2898 ppm	0.0086 ppm	0.5651 ppm	3.7781 ppm	-0.0019 ppm	0.2534 ppm
Concentration RSD	125.7 %	0.2 %	7.7 %	0.3 %	1.4 %	104.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6891 ppm	104.7203 %	112.0363 %	92.3388 %	127.0564 %	144.0542 %	127.4810 %
Concentration per Run	0.6880 ppm	104.7141 %	111.5913 %	92.6009 %	127.7495 %	143.2175 %	127.6709 %
Concentration per Run	0.6883 ppm	104.1220 %	111.9815 %	91.8576 %	126.1448 %	148.7172 %	127.0750 %
Concentration per Run	0.6910 ppm	105.3248 %	112.5359 %	92.5579 %	127.2749 %	140.2279 %	127.6971 %
Concentration RSD	0.2 %	0.6 %	0.4 %	0.5 %	0.6 %	3.0 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: e\WG2113864-3d2\WG2113864

Analysis started at: 9/12/2025 11:49:59 AM

Comment <Comment>

Rack Number 1

Vial Numbers 24

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0490 ppm	165.3450 ppm	0.1296 ppm	0.7260 ppm	2.7103 ppm	0.0543 ppm	167.1907 ppm
Concentration per Run	0.0488 ppm	165.2140 ppm	0.1265 ppm	0.7283 ppm	2.7133 ppm	0.0543 ppm	167.2379 ppm
Concentration per Run	0.0489 ppm	165.8919 ppm	0.1306 ppm	0.7292 ppm	2.7087 ppm	0.0545 ppm	167.2899 ppm
Concentration per Run	0.0494 ppm	164.9290 ppm	0.1318 ppm	0.7204 ppm	2.7089 ppm	0.0540 ppm	167.0442 ppm
Concentration RSD	0.6 %	0.3 %	2.1 %	0.7 %	0.1 %	0.5 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0449 ppm	0.5499 ppm	0.3902 ppm	0.5401 ppm	266.7105 ppm	36.0297 ppm	0.2869 ppm
Concentration per Run	0.0449 ppm	0.5530 ppm	0.3912 ppm	0.5407 ppm	267.6307 ppm	35.7892 ppm	0.2916 ppm
Concentration per Run	0.0451 ppm	0.5483 ppm	0.3908 ppm	0.5397 ppm	266.0121 ppm	36.2552 ppm	0.2869 ppm
Concentration per Run	0.0448 ppm	0.5482 ppm	0.3887 ppm	0.5401 ppm	266.4887 ppm	36.0445 ppm	0.2821 ppm
Concentration RSD	0.3 %	0.5 %	0.3 %	0.1 %	0.3 %	0.6 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	85.3396 ppm	7.6495 ppm	0.6664 ppm	11.2977 ppm	0.7139 ppm	0.5949 ppm	0.2351 ppm
Concentration per Run	85.1774 ppm	7.6530 ppm	0.6686 ppm	11.1451 ppm	0.7142 ppm	0.5931 ppm	0.2365 ppm
Concentration per Run	85.7092 ppm	7.6713 ppm	0.6662 ppm	11.3338 ppm	0.7178 ppm	0.5975 ppm	0.2335 ppm
Concentration per Run	85.1320 ppm	7.6243 ppm	0.6643 ppm	11.4143 ppm	0.7096 ppm	0.5942 ppm	0.2351 ppm
Concentration RSD	0.4 %	0.3 %	0.3 %	1.2 %	0.6 %	0.4 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0840 ppm	205.5219 [SIC 100]	0.6530 ppm	1.1240 ppm	4.9542 ppm	0.0795 ppm	0.7256 ppm
Concentration per Run	0.0836 ppm	206.8646 ppm	0.6556 ppm	1.1245 ppm	4.9538 ppm	0.0786 ppm	0.7236 ppm
Concentration per Run	0.0870 ppm	205.9662 ppm	0.6499 ppm	1.1258 ppm	4.9314 ppm	0.0792 ppm	0.7304 ppm
Concentration per Run	0.0814 ppm	203.7349 ppm	0.6535 ppm	1.1215 ppm	4.9773 ppm	0.0807 ppm	0.7228 ppm
Concentration RSD	3.3 %	0.8 %	0.4 %	0.2 %	0.5 %	1.4 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0853 ppm	105.0907 %	111.7193 %	92.4828 %	127.3340 %	141.2619 %	128.4969 %
Concentration per Run	1.0895 ppm	104.6086 %	111.6032 %	92.4747 %	125.8125 %	137.8898 %	131.1356 %
Concentration per Run	1.0866 ppm	104.7401 %	111.5830 %	92.3825 %	127.1559 %	143.6787 %	126.8662 %
Concentration per Run	1.0797 ppm	105.9234 %	111.9718 %	92.5912 %	129.0336 %	142.2174 %	127.4889 %
Concentration RSD	0.5 %	0.7 %	0.2 %	0.1 %	1.3 %	2.1 %	1.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: eWG2113864-4d2 WG2113864

Analysis started at: 9/12/2025 11:52:03 AM

Comment <Comment>

Rack Number 1

Vial Numbers 25

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0501 ppm	151.0624 ppm	0.1324 ppm	0.7154 ppm	2.6322 ppm	0.0536 ppm	178.4871 ppm
Concentration per Run	0.0500 ppm	151.5238 ppm	0.1310 ppm	0.7200 ppm	2.6356 ppm	0.0536 ppm	178.6587 ppm
Concentration per Run	0.0501 ppm	150.8237 ppm	0.1321 ppm	0.7112 ppm	2.6375 ppm	0.0536 ppm	178.3417 ppm
Concentration per Run	0.0503 ppm	150.8399 ppm	0.1340 ppm	0.7150 ppm	2.6236 ppm	0.0535 ppm	178.4609 ppm
Concentration RSD	0.3 %	0.3 %	1.1 %	0.6 %	0.3 %	0.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0461 ppm	0.5558 ppm	0.3780 ppm	0.5195 ppm	250.4543 ppm	31.1304 ppm	0.2663 ppm
Concentration per Run	0.0463 ppm	0.5572 ppm	0.3789 ppm	0.5207 ppm	249.2103 ppm	31.1461 ppm	0.2617 ppm
Concentration per Run	0.0461 ppm	0.5536 ppm	0.3780 ppm	0.5185 ppm	251.3674 ppm	31.2719 ppm	0.2717 ppm
Concentration per Run	0.0459 ppm	0.5586 ppm	0.3772 ppm	0.5194 ppm	250.7852 ppm	30.9732 ppm	0.2654 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	0.2 %	0.4 %	0.5 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	81.6186 ppm	7.3985 ppm	0.6678 ppm	10.5981 ppm	0.7076 ppm	0.5867 ppm	0.2313 ppm
Concentration per Run	81.9591 ppm	7.4190 ppm	0.6707 ppm	10.6505 ppm	0.7095 ppm	0.5860 ppm	0.2331 ppm
Concentration per Run	81.3343 ppm	7.3802 ppm	0.6680 ppm	10.5727 ppm	0.7068 ppm	0.5864 ppm	0.2328 ppm
Concentration per Run	81.5623 ppm	7.3962 ppm	0.6648 ppm	10.5710 ppm	0.7067 ppm	0.5877 ppm	0.2279 ppm
Concentration RSD	0.4 %	0.3 %	0.4 %	0.4 %	0.2 %	0.2 %	1.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0853 ppm	173.8065 [SIC 100]	0.6453 ppm	1.1663 ppm	4.2447 ppm	0.0795 ppm	0.7100 ppm
Concentration per Run	0.0832 ppm	176.0877 ppm	0.6474 ppm	1.1697 ppm	4.2615 ppm	0.0794 ppm	0.7094 ppm
Concentration per Run	0.0863 ppm	172.5865 ppm	0.6452 ppm	1.1663 ppm	4.1264 ppm	0.0805 ppm	0.7123 ppm
Concentration per Run	0.0865 ppm	172.7452 ppm	0.6435 ppm	1.1628 ppm	4.3461 ppm	0.0786 ppm	0.7082 ppm
Concentration RSD	2.2 %	1.1 %	0.3 %	0.3 %	2.6 %	1.2 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0505 ppm	104.3072 %	110.2137 %	91.4070 %	124.1730 %	137.5984 %	123.9007 %
Concentration per Run	1.0536 ppm	103.8946 %	109.8971 %	91.4080 %	124.3216 %	137.6418 %	125.4996 %
Concentration per Run	1.0492 ppm	104.3381 %	110.4096 %	92.0054 %	123.7028 %	140.1507 %	124.3468 %
Concentration per Run	1.0485 ppm	104.6891 %	110.3345 %	90.8077 %	124.4946 %	135.0026 %	121.8558 %
Concentration RSD	0.3 %	0.4 %	0.3 %	0.7 %	0.3 %	1.9 %	1.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: e\WG2113864-5d2\WG2113864

Analysis started at: 9/12/2025 11:54:08 AM

Comment <Comment>

Rack Number 1

Vial Numbers 26

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0520 ppm	163.8550 ppm	0.1481 ppm	0.8975 ppm	2.5767 ppm	0.0498 ppm	188.4402 ppm
Concentration per Run	0.0515 ppm	163.9423 ppm	0.1485 ppm	0.8984 ppm	2.5885 ppm	0.0499 ppm	188.0236 ppm
Concentration per Run	0.0522 ppm	163.8393 ppm	0.1489 ppm	0.9055 ppm	2.5595 ppm	0.0497 ppm	188.9458 ppm
Concentration per Run	0.0524 ppm	163.7832 ppm	0.1470 ppm	0.8885 ppm	2.5820 ppm	0.0498 ppm	188.3511 ppm
Concentration RSD	1.0 %	0.0 %	0.7 %	1.0 %	0.6 %	0.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0425 ppm	0.5186 ppm	0.3791 ppm	0.5135 ppm	264.9415 ppm	37.6220 ppm	0.2855 ppm
Concentration per Run	0.0427 ppm	0.5167 ppm	0.3796 ppm	0.5148 ppm	262.4793 ppm	37.6566 ppm	0.2839 ppm
Concentration per Run	0.0427 ppm	0.5188 ppm	0.3794 ppm	0.5138 ppm	266.2083 ppm	37.3505 ppm	0.2855 ppm
Concentration per Run	0.0422 ppm	0.5205 ppm	0.3784 ppm	0.5120 ppm	266.1371 ppm	37.8589 ppm	0.2872 ppm
Concentration RSD	0.6 %	0.4 %	0.2 %	0.3 %	0.8 %	0.7 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	87.1484 ppm	8.0467 ppm	0.8455 ppm	12.6700 ppm	0.6811 ppm	0.7232 ppm	0.4086 ppm
Concentration per Run	87.7595 ppm	8.0576 ppm	0.8431 ppm	12.8576 ppm	0.6832 ppm	0.7232 ppm	0.4082 ppm
Concentration per Run	87.6394 ppm	8.0194 ppm	0.8509 ppm	12.5149 ppm	0.6826 ppm	0.7254 ppm	0.4143 ppm
Concentration per Run	86.0462 ppm	8.0631 ppm	0.8426 ppm	12.6375 ppm	0.6775 ppm	0.7211 ppm	0.4034 ppm
Concentration RSD	1.1 %	0.3 %	0.5 %	1.4 %	0.5 %	0.3 %	1.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1098 ppm	187.0114 [SIC 100]	0.8247 ppm	1.3869 ppm	4.9782 ppm	0.1028 ppm	0.6901 ppm
Concentration per Run	0.1134 ppm	187.4111 ppm	0.8210 ppm	1.3898 ppm	5.0549 ppm	0.1032 ppm	0.6915 ppm
Concentration per Run	0.1096 ppm	189.0443 ppm	0.8299 ppm	1.3804 ppm	4.9058 ppm	0.1029 ppm	0.6898 ppm
Concentration per Run	0.1066 ppm	184.5789 ppm	0.8231 ppm	1.3906 ppm	4.9740 ppm	0.1022 ppm	0.6889 ppm
Concentration RSD	3.1 %	1.2 %	0.6 %	0.4 %	1.5 %	0.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0812 ppm	104.2707 %	109.7048 %	91.6550 %	125.0233 %	137.3198 %	126.1774 %
Concentration per Run	1.0813 ppm	104.2278 %	110.0308 %	92.4545 %	125.5874 %	141.0378 %	126.8000 %
Concentration per Run	1.0854 ppm	103.9027 %	109.3472 %	91.1440 %	124.5696 %	133.2175 %	124.4880 %
Concentration per Run	1.0770 ppm	104.6815 %	109.7365 %	91.3666 %	124.9128 %	137.7042 %	127.2441 %
Concentration RSD	0.4 %	0.4 %	0.3 %	0.8 %	0.4 %	2.9 %	1.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: e\WG2113864-6d10 WG2113864

Analysis started at: 9/12/2025 11:56:13 AM

Comment <Comment>

Rack Number 1

Vial Numbers 27

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	38.2705 ppm	0.0164 ppm	0.0206 ppm	0.2119 ppm	0.0016 ppm	43.8364 ppm
Concentration per Run	0.0005 ppm	37.9956 ppm	0.0171 ppm	0.0215 ppm	0.2108 ppm	0.0016 ppm	43.5285 ppm
Concentration per Run	0.0007 ppm	38.3527 ppm	0.0179 ppm	0.0208 ppm	0.2115 ppm	0.0016 ppm	43.9093 ppm
Concentration per Run	0.0003 ppm	38.4632 ppm	0.0142 ppm	0.0195 ppm	0.2133 ppm	0.0016 ppm	44.0715 ppm
Concentration RSD	31.1 %	0.6 %	11.7 %	4.9 %	0.6 %	1.8 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0270 ppm	0.0488 ppm	0.0663 ppm	66.6540 ppm	6.5920 ppm	0.0665 ppm
Concentration per Run	-0.0003 ppm	0.0271 ppm	0.0483 ppm	0.0656 ppm	66.4575 ppm	6.5920 ppm	0.0671 ppm
Concentration per Run	-0.0004 ppm	0.0273 ppm	0.0491 ppm	0.0665 ppm	66.6024 ppm	6.5746 ppm	0.0649 ppm
Concentration per Run	-0.0003 ppm	0.0267 ppm	0.0490 ppm	0.0668 ppm	66.9019 ppm	6.6389 ppm	0.0675 ppm
Concentration RSD	27.4 %	1.1 %	0.9 %	0.9 %	0.3 %	0.6 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.0731 ppm	1.8715 ppm	0.0009 ppm	0.7758 ppm	0.0661 ppm	0.0571 ppm	0.0077 ppm
Concentration per Run	19.0049 ppm	1.8621 ppm	0.0009 ppm	0.7433 ppm	0.0668 ppm	0.0576 ppm	0.0082 ppm
Concentration per Run	19.2470 ppm	1.8759 ppm	0.0008 ppm	0.8218 ppm	0.0649 ppm	0.0574 ppm	0.0075 ppm
Concentration per Run	18.9676 ppm	1.8765 ppm	0.0011 ppm	0.7624 ppm	0.0665 ppm	0.0563 ppm	0.0074 ppm
Concentration RSD	0.8 %	0.4 %	15.0 %	5.3 %	1.6 %	1.2 %	5.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	41.3840 [SIC 100]	0.0023 ppm	0.1320 ppm	0.9141 ppm	0.0010 ppm	0.0565 ppm
Concentration per Run	-0.0003 ppm	41.1428 ppm	0.0012 ppm	0.1309 ppm	0.8760 ppm	0.0021 ppm	0.0559 ppm
Concentration per Run	0.0032 ppm	42.1553 ppm	0.0024 ppm	0.1317 ppm	0.9614 ppm	-0.0002 ppm	0.0571 ppm
Concentration per Run	-0.0027 ppm	40.8537 ppm	0.0031 ppm	0.1332 ppm	0.9050 ppm	0.0010 ppm	0.0564 ppm
Concentration RSD	3.901.8 %	1.7 %	42.8 %	0.9 %	4.7 %	115.8 %	1.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1603 ppm	102.5641 %	106.3057 %	98.1641 %	105.7125 %	112.4757 %	105.8625 %
Concentration per Run	0.1597 ppm	103.6212 %	106.0003 %	98.6751 %	106.7202 %	113.0791 %	106.7047 %
Concentration per Run	0.1604 ppm	101.4137 %	106.0615 %	97.3983 %	104.7397 %	111.8567 %	104.8176 %
Concentration per Run	0.1609 ppm	102.6574 %	106.8552 %	98.4189 %	105.6777 %	112.4912 %	106.0653 %
Concentration RSD	0.4 %	1.1 %	0.4 %	0.7 %	0.9 %	0.5 %	0.9 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCV

Sample: 9/12/2025 11:58:18 AM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 4799 ppm	Ca 315.887 Radial-IFR)
Concentration average	0.4916 ppm	0.4705 ppm	0.4722 ppm	0.4752 ppm	0.4799 ppm	0.4892 ppm	0.4847 ppm
Concentration per Run	0.4925 ppm	0.4772 ppm	0.4698 ppm	0.4737 ppm	0.4803 ppm	0.4906 ppm	0.4849 ppm
Concentration per Run	0.4922 ppm	0.4687 ppm	0.4724 ppm	0.4757 ppm	0.4803 ppm	0.4887 ppm	0.4848 ppm
Concentration per Run	0.4901 ppm	0.4654 ppm	0.4744 ppm	0.4762 ppm	0.4791 ppm	0.4884 ppm	0.4844 ppm
Recovery Percentage	98.328 %	94.090 %	94.440 %	95.038 %	95.978 %	97.846 %	96.943 %
Concentration RSD	0.3 %	1.3 %	0.5 %	0.3 %	0.2 %	0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5041 ppm	0.4938 ppm	0.4977 ppm	0.5080 ppm	0.4887 ppm	5.0663 ppm	0.4763 ppm
Concentration per Run	0.5035 ppm	0.4975 ppm	0.4972 ppm	0.5077 ppm	0.4890 ppm	5.0614 ppm	0.4768 ppm
Concentration per Run	0.5049 ppm	0.4985 ppm	0.4984 ppm	0.5073 ppm	0.4845 ppm	5.0857 ppm	0.4663 ppm
Concentration per Run	0.5038 ppm	0.5004 ppm	0.5089 ppm	0.5089 ppm	0.4927 ppm	5.0519 ppm	0.4858 ppm
Recovery Percentage	100.818 %	99.769 %	99.538 %	101.591 %	97.744 %	101.327 %	95.260 %
Concentration RSD	0.1 %	0.3 %	0.5 %	0.2 %	0.8 %	0.3 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5068 ppm	0.4945 ppm	0.4789 ppm	9.9045 ppm	0.5074 ppm	0.4991 ppm	0.5080 ppm
Concentration per Run	0.5082 ppm	0.4967 ppm	0.4775 ppm	10.0479 ppm	0.5086 ppm	0.4958 ppm	0.5064 ppm
Concentration per Run	0.5067 ppm	0.4946 ppm	0.4802 ppm	9.9507 ppm	0.5078 ppm	0.5002 ppm	0.5091 ppm
Concentration per Run	0.5056 ppm	0.4922 ppm	0.4791 ppm	9.7148 ppm	0.5057 ppm	0.5013 ppm	0.5086 ppm
Recovery Percentage	101.368 %	98.902 %	95.784 %	99.045 %	101.477 %	99.815 %	101.603 %
Concentration RSD	0.2 %	0.4 %	0.3 %	1.7 %	0.3 %	0.6 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4779 ppm	5.2719 ppm	0.4861 ppm	0.4820 ppm	0.4921 ppm	0.4858 ppm	0.5010 ppm
Concentration per Run	0.4765 ppm	5.2459 ppm	0.4872 ppm	0.4834 ppm	0.4924 ppm	0.4846 ppm	0.5010 ppm
Concentration per Run	0.4786 ppm	5.2844 ppm	0.4853 ppm	0.4817 ppm	0.4951 ppm	0.4867 ppm	0.5005 ppm
Concentration per Run	0.4784 ppm	5.2853 ppm	0.4857 ppm	0.4810 ppm	0.4889 ppm	0.4862 ppm	0.5015 ppm
Recovery Percentage	95.573 %	100.417 %	97.217 %	96.405 %	98.429 %	97.162 %	100.197 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.3 %	0.6 %	0.2 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4854 ppm	103.4693 %	103.5172 %	101.7661 %	101.3138 %	102.2898 %	100.9124 %
Concentration per Run	0.4842 ppm	103.5873 %	103.0559 %	102.3129 %	101.7013 %	103.3308 %	101.3012 %
Concentration per Run	0.4841 ppm	103.2555 %	103.6745 %	101.3627 %	101.0379 %	102.7003 %	100.6443 %
Concentration per Run	0.4881 ppm	103.5651 %	103.8212 %	101.6227 %	101.2020 %	100.8384 %	100.7917 %
Recovery Percentage	97.088 %						
Concentration RSD	0.5 %	0.2 %	0.4 %	0.5 %	0.3 %	1.3 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 12:00:23 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0087 ppm	-0.0025 ppm	0.0025 ppm	-0.0004 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run	-0.0004 ppm	0.0058 ppm	-0.0043 ppm	0.0027 ppm	-0.0005 ppm	0.0000 ppm	0.0024 ppm
Concentration per Run	-0.0004 ppm	0.0139 ppm	-0.0021 ppm	0.0036 ppm	-0.0003 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run	0.0001 ppm	0.0062 ppm	-0.0013 ppm	0.0011 ppm	-0.0003 ppm	0.0000 ppm	0.0033 ppm
Recovery Percentage	-3.579 %	8.672 %	-50.911 %	8.252 %	-3.570 %	-0.868 %	1.077 %
Concentration RSD	108.9 %	52.6 %	62.1 %	50.4 %	32.1 %	27.6 %	289.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0022 ppm	0.0266 ppm	-0.0033 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0005 ppm	-0.0005 ppm	0.0023 ppm	0.0646 ppm	-0.0031 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0018 ppm	0.0002 ppm	-0.0055 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0024 ppm	0.0150 ppm	-0.0012 ppm
Recovery Percentage	-0.422 %	1.130 %	1.879 %	-0.883 %	4.319 %	1.065 %	-65.297 %
Concentration RSD	240.0 %	103.9 %	170.5 %	532.0 %	12.7 %	126.6 %	65.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0004 ppm	0.0001 ppm	-0.0001 ppm	-0.0124 ppm	0.0002 ppm	-0.0001 ppm	0.0012 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0159 ppm	-0.0002 ppm	0.0011 ppm	-0.0030 ppm
Concentration per Run	0.0007 ppm	0.0003 ppm	-0.0001 ppm	-0.0008 ppm	0.0005 ppm	-0.0007 ppm	0.0021 ppm
Concentration per Run	0.0004 ppm	0.0000 ppm	-0.0001 ppm	-0.0205 ppm	0.0004 ppm	-0.0009 ppm	0.0044 ppm
Recovery Percentage	0.353 %	1.195 %	-0.175 %	-0.620 %	0.976 %	-1.494 %	2.322 %
Concentration RSD	87.7 %	140.4 %	197.4 %	83.1 %	166.8 %	739.3 %	325.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	0.0100 ppm	-0.0008 ppm	-0.0002 ppm	-0.0010 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	-0.0005 ppm	0.0045 ppm	-0.0018 ppm	-0.0002 ppm	-0.0010 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	0.0173 ppm	0.0001 ppm	-0.0002 ppm	-0.0011 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	0.0006 ppm	0.0080 ppm	-0.0006 ppm	-0.0002 ppm	-0.0007 ppm	0.0005 ppm	-0.0004 ppm
Recovery Percentage	7.034 %	1.990 %	-1.549 %	-1.821 %	-9.563 %	1.050 %	-1.500 %
Concentration RSD	180.3 %	66.7 %	127.1 %	17.3 %	22.2 %	441.0 %	143.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	101.1304 %	101.6218 %	101.0629 %	101.0694 %	102.5153 %	101.2575 %
Concentration per Run	0.0000 ppm	101.0109 %	101.7477 %	101.5269 %	101.1524 %	101.9397 %	101.9397 %
Concentration per Run	0.0001 ppm	100.7639 %	101.3108 %	100.5495 %	100.7303 %	103.1726 %	100.3589 %
Concentration per Run	-0.0001 ppm	101.6165 %	101.8070 %	101.1124 %	101.3253 %	102.7798 %	101.4737 %
Recovery Percentage	-0.216 %	0.4 %	0.3 %	0.5 %	0.3 %	0.8 %	0.8 %
Concentration RSD	938.1 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: LDR Fe 300

Analysis started at: 9/12/2025 12:25:21 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 30

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0018 ppm	0.0011 ppm	-0.0020 ppm	0.0026 ppm	-0.0002 ppm	0.0000 ppm	0.0041 ppm
Concentration per Run	0.0023 ppm	0.0025 ppm	-0.0021 ppm	0.0021 ppm	-0.0002 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run	0.0015 ppm	0.0045 ppm	-0.0010 ppm	0.0026 ppm	-0.0002 ppm	0.0000 ppm	0.0060 ppm
Concentration per Run	0.0015 ppm	-0.0037 ppm	-0.0028 ppm	0.0033 ppm	-0.0003 ppm	-0.0001 ppm	0.0034 ppm
Concentration RSD	26.0 %	382.1 %	45.6 %	22.9 %	25.6 %	85.0 %	41.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0007 ppm	-0.0007 ppm	-0.0025 ppm	274.3689 ppm	0.0196 ppm	-0.0046 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	-0.0008 ppm	-0.0027 ppm	275.8438 ppm	0.0227 ppm	-0.0049 ppm
Concentration per Run	0.0001 ppm	0.0010 ppm	-0.0002 ppm	-0.0020 ppm	272.5360 ppm	0.0270 ppm	-0.0030 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	-0.0010 ppm	-0.0028 ppm	274.7269 ppm	0.0090 ppm	-0.0060 ppm
Concentration RSD	64.8 %	30.8 %	58.2 %	16.2 %	0.6 %	47.9 %	32.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0020 ppm	-0.0021 ppm	-0.0017 ppm	-0.0091 ppm	0.0006 ppm	-0.0006 ppm	0.0032 ppm
Concentration per Run	-0.0029 ppm	-0.0020 ppm	-0.0013 ppm	-0.0079 ppm	0.0011 ppm	-0.0011 ppm	0.0019 ppm
Concentration per Run	-0.0009 ppm	-0.0021 ppm	-0.0018 ppm	-0.0109 ppm	0.0005 ppm	0.0007 ppm	0.0021 ppm
Concentration per Run	-0.0022 ppm	-0.0020 ppm	-0.0020 ppm	-0.0085 ppm	0.0003 ppm	-0.0013 ppm	0.0056 ppm
Concentration RSD	51.7 %	2.7 %	20.0 %	17.1 %	62.7 %	196.0 %	64.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0004 ppm	0.0052 ppm	0.0016 ppm	0.0003 ppm	-0.0008 ppm	-0.0008 ppm	-0.0003 ppm
Concentration per Run	-0.0010 ppm	0.0031 ppm	0.0009 ppm	0.0003 ppm	-0.0011 ppm	-0.0013 ppm	-0.0001 ppm
Concentration per Run	-0.0023 ppm	0.0062 ppm	0.0023 ppm	0.0003 ppm	-0.0006 ppm	-0.0005 ppm	-0.0006 ppm
Concentration per Run	0.0022 ppm	0.0062 ppm	0.0016 ppm	0.0003 ppm	-0.0007 ppm	-0.0006 ppm	-0.0001 ppm
Concentration RSD	630.7 %	35.3 %	43.3 %	6.9 %	32.6 %	53.9 %	106.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	102.4411 %	104.7433 %	97.4197 %	100.9880 %	105.6280 %	100.4124 %
Concentration per Run	0.0000 ppm	103.0322 %	104.5253 %	98.0382 %	102.1785 %	104.7633 %	100.8264 %
Concentration per Run	0.0000 ppm	102.3787 %	105.6990 %	97.6471 %	100.4000 %	106.1917 %	100.6615 %
Concentration per Run	-0.0001 ppm	101.9126 %	104.0057 %	96.5739 %	100.3856 %	105.9289 %	99.7493 %
Concentration RSD	348.6 %	0.5 %	0.8 %	0.8 %	1.0 %	0.7 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2500778-207d5 WG2113864

Analysis started at: 9/12/2025 12:27:36 PM

Comment <Comment>

Rack Number 1

Vial Numbers 31

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	Ba 455.403 Radial-IFR)	B 208.959 Axial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0014 ppm	57.1854 ppm	0.0288 ppm	0.0205 ppm	0.3026 ppm	0.0026 ppm	76.8165 ppm
Concentration per Run	0.0017 ppm	57.1822 ppm	0.0285 ppm	0.0213 ppm	0.3026 ppm	0.0026 ppm	76.8408 ppm
Concentration per Run	0.0017 ppm	57.0566 ppm	0.0297 ppm	0.0202 ppm	0.3013 ppm	0.0026 ppm	76.5468 ppm
Concentration per Run	0.0009 ppm	57.3174 ppm	0.0283 ppm	0.0199 ppm	0.3040 ppm	0.0027 ppm	77.0619 ppm
Concentration RSD	35.4 %	0.2 %	2.6 %	3.4 %	0.4 %	1.6 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0497 ppm	0.0808 ppm	0.1236 ppm	114.5210 ppm	7.0329 ppm	0.1163 ppm
Concentration per Run	-0.0003 ppm	0.0498 ppm	0.0810 ppm	0.1233 ppm	115.3512 ppm	7.0379 ppm	0.1188 ppm
Concentration per Run	-0.0003 ppm	0.0500 ppm	0.0812 ppm	0.1242 ppm	114.2006 ppm	7.0366 ppm	0.1171 ppm
Concentration per Run	-0.0002 ppm	0.0494 ppm	0.0802 ppm	0.1235 ppm	114.0113 ppm	7.0241 ppm	0.1130 ppm
Concentration RSD	13.6 %	0.6 %	0.6 %	0.4 %	0.6 %	0.1 %	2.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	33.4724 ppm	3.2630 ppm	0.0012 ppm	0.6823 ppm	0.1189 ppm	0.1053 ppm	0.0081 ppm
Concentration per Run	33.5194 ppm	3.2656 ppm	0.0014 ppm	0.6697 ppm	0.1186 ppm	0.1053 ppm	0.0076 ppm
Concentration per Run	33.3582 ppm	3.2360 ppm	0.0014 ppm	0.6794 ppm	0.1192 ppm	0.1049 ppm	0.0095 ppm
Concentration per Run	33.5396 ppm	3.2875 ppm	0.0009 ppm	0.6978 ppm	0.1187 ppm	0.1057 ppm	0.0073 ppm
Concentration RSD	0.3 %	0.8 %	24.0 %	2.1 %	0.3 %	0.4 %	14.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	30.1535 [SIC 100]	0.0031 ppm	0.2263 ppm	0.6709 ppm	0.0004 ppm	0.0862 ppm
Concentration per Run	0.0025 ppm	30.0483 ppm	0.0017 ppm	0.2269 ppm	0.6863 ppm	0.0004 ppm	0.0861 ppm
Concentration per Run	-0.0021 ppm	30.0123 ppm	0.0032 ppm	0.2250 ppm	0.6713 ppm	0.0007 ppm	0.0861 ppm
Concentration per Run	0.0015 ppm	30.3999 ppm	0.0044 ppm	0.2271 ppm	0.6552 ppm	0.0002 ppm	0.0864 ppm
Concentration RSD	368.2 %	0.7 %	43.1 %	0.5 %	2.3 %	64.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2912 ppm	103.1510 %	106.7837 %	96.6535 %	109.8824 %	116.9993 %	110.0161 %
Concentration per Run	0.2905 ppm	103.2366 %	107.6398 %	97.6539 %	110.3254 %	116.4983 %	111.1195 %
Concentration per Run	0.2922 ppm	102.7594 %	106.5493 %	96.1957 %	109.2308 %	115.9601 %	110.0059 %
Concentration per Run	0.2910 ppm	103.4570 %	106.1621 %	96.1109 %	110.0910 %	118.5394 %	108.9228 %
Concentration RSD	0.3 %	0.3 %	0.7 %	0.9 %	0.5 %	1.2 %	1.0 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2113864-3d5 WG2113864

Analysis started at: 9/12/2025 12:29:41 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 32

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0203 ppm	57.7045 ppm	0.0598 ppm	0.2914 ppm	1.0398 ppm	0.0219 ppm	70.2129 ppm
Concentration per Run	0.0201 ppm	57.5592 ppm	0.0602 ppm	0.2902 ppm	1.0357 ppm	0.0219 ppm	69.9797 ppm
Concentration per Run	0.0203 ppm	57.8461 ppm	0.0597 ppm	0.2904 ppm	1.0433 ppm	0.0220 ppm	70.3039 ppm
Concentration per Run	0.0206 ppm	57.7083 ppm	0.0594 ppm	0.2935 ppm	1.0406 ppm	0.0220 ppm	70.3549 ppm
Concentration RSD	1.3 %	0.2 %	0.6 %	0.6 %	0.4 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0192 ppm	0.2336 ppm	0.1541 ppm	0.2224 ppm	111.9038 ppm	9.9419 ppm	0.1129 ppm
Concentration per Run	0.0192 ppm	0.2337 ppm	0.1541 ppm	0.2227 ppm	111.4688 ppm	9.9657 ppm	0.1109 ppm
Concentration per Run	0.0191 ppm	0.2339 ppm	0.1545 ppm	0.2225 ppm	112.7887 ppm	9.9434 ppm	0.1149 ppm
Concentration per Run	0.0191 ppm	0.2332 ppm	0.1538 ppm	0.2219 ppm	111.4539 ppm	9.9167 ppm	0.1130 ppm
Concentration RSD	0.2 %	0.2 %	0.3 %	0.2 %	0.7 %	0.2 %	1.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	35.4823 ppm	3.1903 ppm	0.2736 ppm	3.8368 ppm	0.3029 ppm	0.2443 ppm	0.0839 ppm
Concentration per Run	35.2959 ppm	3.1805 ppm	0.2728 ppm	3.8524 ppm	0.3014 ppm	0.2453 ppm	0.0835 ppm
Concentration per Run	35.6725 ppm	3.1916 ppm	0.2737 ppm	3.8153 ppm	0.3037 ppm	0.2432 ppm	0.0818 ppm
Concentration per Run	35.4785 ppm	3.1986 ppm	0.2742 ppm	3.8427 ppm	0.3036 ppm	0.2446 ppm	0.0864 ppm
Concentration RSD	0.5 %	0.3 %	0.3 %	0.5 %	0.4 %	0.4 %	2.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0319 ppm	37.4966 [SIC 100]	0.2744 ppm	0.4544 ppm	1.0177 ppm	0.0331 ppm	0.2806 ppm
Concentration per Run	0.0300 ppm	37.9191 ppm	0.2714 ppm	0.4525 ppm	1.0326 ppm	0.0319 ppm	0.2804 ppm
Concentration per Run	0.0309 ppm	37.6854 ppm	0.2755 ppm	0.4564 ppm	1.0047 ppm	0.0336 ppm	0.2808 ppm
Concentration per Run	0.0347 ppm	36.8853 ppm	0.2762 ppm	0.4543 ppm	1.0159 ppm	0.0337 ppm	0.2805 ppm
Concentration RSD	7.8 %	1.4 %	0.9 %	0.4 %	1.4 %	3.0 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4579 ppm	103.6592 %	106.8778 %	96.3073 %	110.3129 %	117.3924 %	109.6672 %
Concentration per Run	0.4585 ppm	104.1413 %	107.3258 %	96.1846 %	110.9055 %	119.5110 %	109.7489 %
Concentration per Run	0.4572 ppm	103.2271 %	106.7438 %	95.9504 %	109.6365 %	116.0624 %	109.3438 %
Concentration per Run	0.4580 ppm	103.6092 %	106.5640 %	96.7868 %	110.3966 %	116.6037 %	109.9087 %
Concentration RSD	0.1 %	0.4 %	0.4 %	0.4 %	0.6 %	1.6 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2113864-4d5 WG2113864

Analysis started at: 9/12/2025 12:31:46 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 33

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0203 ppm	56.0521 ppm	0.0617 ppm	0.2902 ppm	1.0533 ppm	0.0223 ppm	76.3412 ppm
Concentration per Run	0.0197 ppm	55.9996 ppm	0.0623 ppm	0.2900 ppm	1.0529 ppm	0.0223 ppm	76.1436 ppm
Concentration per Run	0.0205 ppm	55.8803 ppm	0.0618 ppm	0.2910 ppm	1.0526 ppm	0.0222 ppm	76.1586 ppm
Concentration per Run	0.0206 ppm	56.2764 ppm	0.0609 ppm	0.2896 ppm	1.0544 ppm	0.0222 ppm	76.7213 ppm
Concentration RSD	2.4 %	0.4 %	1.1 %	0.3 %	0.1 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0195 ppm	0.2356 ppm	0.1509 ppm	0.2131 ppm	107.7921 ppm	9.6862 ppm	0.1075 ppm
Concentration per Run	0.0195 ppm	0.2348 ppm	0.1501 ppm	0.2128 ppm	107.6293 ppm	9.6461 ppm	0.1084 ppm
Concentration per Run	0.0196 ppm	0.2358 ppm	0.1513 ppm	0.2135 ppm	107.4465 ppm	9.6686 ppm	0.1064 ppm
Concentration per Run	0.0196 ppm	0.2361 ppm	0.1513 ppm	0.2129 ppm	108.3005 ppm	9.7440 ppm	0.1077 ppm
Concentration RSD	0.2 %	0.3 %	0.5 %	0.2 %	0.4 %	0.5 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	33.7523 ppm	3.1492 ppm	0.2750 ppm	3.8420 ppm	0.2993 ppm	0.2409 ppm	0.0818 ppm
Concentration per Run	33.5743 ppm	3.1476 ppm	0.2748 ppm	3.8224 ppm	0.2973 ppm	0.2402 ppm	0.0810 ppm
Concentration per Run	33.5594 ppm	3.1414 ppm	0.2744 ppm	3.8470 ppm	0.2996 ppm	0.2422 ppm	0.0801 ppm
Concentration per Run	34.1231 ppm	3.1586 ppm	0.2757 ppm	3.8565 ppm	0.3011 ppm	0.2402 ppm	0.0844 ppm
Concentration RSD	1.0 %	0.3 %	0.2 %	0.5 %	0.6 %	0.5 %	2.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0321 ppm	36.7565 [SIC 100]	0.2728 ppm	0.4839 ppm	0.9975 ppm	0.0336 ppm	0.2785 ppm
Concentration per Run	0.0339 ppm	36.8471 ppm	0.2713 ppm	0.4843 ppm	0.9871 ppm	0.0328 ppm	0.2778 ppm
Concentration per Run	0.0335 ppm	36.3990 ppm	0.2752 ppm	0.4827 ppm	1.0078 ppm	0.0343 ppm	0.2786 ppm
Concentration per Run	0.0291 ppm	37.0236 ppm	0.2718 ppm	0.4848 ppm	0.9976 ppm	0.0336 ppm	0.2791 ppm
Concentration RSD	8.3 %	0.9 %	0.8 %	0.2 %	1.0 %	2.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4420 ppm	103.4895 %	96.2751 %	109.1730 %	116.1536 %	109.0265 %
Concentration per Run	0.4406 ppm	103.7793 %	96.2130 %	109.5590 %	116.7462 %	108.7785 %
Concentration per Run	0.4427 ppm	103.0817 %	95.9160 %	108.6748 %	117.1550 %	108.6864 %
Concentration per Run	0.4428 ppm	103.6075 %	96.6963 %	109.2850 %	114.5594 %	109.6148 %
Concentration RSD	0.3 %	0.4 %	0.4 %	0.4 %	1.2 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2113864-5d5 WG2113864

Analysis started at: 9/12/2025 12:33:50 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 34

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0475 ppm	59.0615 ppm	0.1317 ppm	0.9160 ppm	2.1306 ppm	0.0496 ppm	85.3529 ppm
Concentration per Run	0.0476 ppm	59.0346 ppm	0.1331 ppm	0.9161 ppm	2.1286 ppm	0.0496 ppm	85.1920 ppm
Concentration per Run	0.0473 ppm	59.0192 ppm	0.1312 ppm	0.9158 ppm	2.1315 ppm	0.0497 ppm	85.3485 ppm
Concentration per Run	0.0477 ppm	59.1306 ppm	0.1309 ppm	0.9161 ppm	2.1318 ppm	0.0496 ppm	85.5181 ppm
Concentration RSD	0.4 %	0.1 %	0.9 %	0.0 %	0.1 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0473 ppm	0.4963 ppm	0.2620 ppm	0.3570 ppm	114.7210 ppm	17.0144 ppm	0.1130 ppm
Concentration per Run	0.0473 ppm	0.4949 ppm	0.2620 ppm	0.3562 ppm	114.5630 ppm	16.9881 ppm	0.1114 ppm
Concentration per Run	0.0473 ppm	0.4977 ppm	0.2628 ppm	0.3587 ppm	114.9174 ppm	16.9643 ppm	0.1138 ppm
Concentration per Run	0.0473 ppm	0.4962 ppm	0.2612 ppm	0.3562 ppm	114.6826 ppm	17.0909 ppm	0.1141 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	0.4 %	0.2 %	0.4 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	41.7356 ppm	3.6936 ppm	0.9112 ppm	10.4013 ppm	0.5651 ppm	0.6037 ppm	0.4577 ppm
Concentration per Run	41.6947 ppm	3.6903 ppm	0.9069 ppm	10.3685 ppm	0.5659 ppm	0.6014 ppm	0.4550 ppm
Concentration per Run	41.9186 ppm	3.7000 ppm	0.9184 ppm	10.4818 ppm	0.5652 ppm	0.6055 ppm	0.4593 ppm
Concentration per Run	41.5936 ppm	3.6905 ppm	0.9104 ppm	10.3536 ppm	0.5642 ppm	0.6041 ppm	0.4587 ppm
Concentration RSD	0.4 %	0.1 %	0.5 %	0.7 %	0.1 %	0.3 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1142 ppm	31.8859 [SIC 100]	0.8985 ppm	1.1301 ppm	1.5924 ppm	0.1094 ppm	0.5598 ppm
Concentration per Run	0.1147 ppm	31.6520 ppm	0.8961 ppm	1.1281 ppm	1.5734 ppm	0.1104 ppm	0.5573 ppm
Concentration per Run	0.1145 ppm	32.2050 ppm	0.9004 ppm	1.1315 ppm	1.6251 ppm	0.1077 ppm	0.5623 ppm
Concentration per Run	0.1135 ppm	31.8007 ppm	0.8991 ppm	1.1305 ppm	1.5786 ppm	0.1101 ppm	0.5597 ppm
Concentration RSD	0.5 %	0.9 %	0.2 %	0.2 %	1.8 %	1.4 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.7295 ppm	103.0750 %	105.7882 %	95.3201 %	109.5523 %	115.5832 %	108.4128 %
Concentration per Run	0.7299 ppm	102.5873 %	105.2180 %	95.4636 %	108.7598 %	114.7566 %	108.3802 %
Concentration per Run	0.7316 ppm	102.7372 %	105.0335 %	95.0335 %	109.4864 %	116.3632 %	108.3014 %
Concentration per Run	0.7269 ppm	103.9005 %	106.3884 %	95.4633 %	110.4108 %	115.6299 %	108.5569 %
Concentration RSD	0.3 %	0.7 %	0.6 %	0.3 %	0.8 %	0.7 %	0.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2113864-6d25 WG2113864

Analysis started at: 9/12/2025 12:35:55 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 35

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	12.2340 ppm	0.0038 ppm	0.0065 ppm	0.0640 ppm	0.0005 ppm	16.3993 ppm
Concentration per Run	-0.0003 ppm	12.2303 ppm	0.0038 ppm	0.0056 ppm	0.0639 ppm	0.0005 ppm	16.3119 ppm
Concentration per Run	0.0003 ppm	12.2434 ppm	0.0054 ppm	0.0070 ppm	0.0641 ppm	0.0005 ppm	16.5006 ppm
Concentration per Run	0.0007 ppm	12.2285 ppm	0.0023 ppm	0.0069 ppm	0.0641 ppm	0.0005 ppm	16.3855 ppm
Concentration RSD	197.3 %	0.1 %	41.7 %	12.2 %	0.2 %	3.5 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0111 ppm	0.0173 ppm	0.0252 ppm	24.8625 ppm	1.5156 ppm	0.0210 ppm
Concentration per Run	-0.0001 ppm	0.0109 ppm	0.0170 ppm	0.0251 ppm	24.8506 ppm	1.5231 ppm	0.0231 ppm
Concentration per Run	-0.0002 ppm	0.0117 ppm	0.0171 ppm	0.0255 ppm	24.9465 ppm	1.5017 ppm	0.0199 ppm
Concentration per Run	0.0000 ppm	0.0106 ppm	0.0178 ppm	0.0251 ppm	24.7903 ppm	1.5222 ppm	0.0200 ppm
Concentration RSD	81.0 %	5.0 %	2.6 %	0.9 %	0.3 %	0.8 %	8.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	7.3463 ppm	0.7041 ppm	0.0005 ppm	0.1431 ppm	0.0260 ppm	0.0215 ppm	0.0043 ppm
Concentration per Run	7.3306 ppm	0.7036 ppm	0.0004 ppm	0.1549 ppm	0.0262 ppm	0.0213 ppm	0.0060 ppm
Concentration per Run	7.3033 ppm	0.7041 ppm	0.0005 ppm	0.1375 ppm	0.0261 ppm	0.0215 ppm	0.0043 ppm
Concentration per Run	7.4052 ppm	0.7045 ppm	0.0004 ppm	0.1369 ppm	0.0258 ppm	0.0217 ppm	0.0027 ppm
Concentration RSD	0.7 %	0.1 %	16.5 %	7.2 %	0.8 %	0.9 %	38.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0008 ppm	6.2708 ppm	0.0008 ppm	0.0476 ppm	0.1307 ppm	0.0013 ppm	0.0177 ppm
Concentration per Run	0.0013 ppm	6.2572 ppm	0.0005 ppm	0.0476 ppm	0.1278 ppm	0.0012 ppm	0.0179 ppm
Concentration per Run	0.0006 ppm	6.2185 ppm	0.0013 ppm	0.0476 ppm	0.1375 ppm	0.0016 ppm	0.0176 ppm
Concentration per Run	0.0006 ppm	6.3368 ppm	0.0005 ppm	0.0475 ppm	0.1267 ppm	0.0009 ppm	0.0177 ppm
Concentration RSD	45.0 %	1.0 %	64.8 %	0.1 %	4.6 %	27.3 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0622 ppm	103.2340 %	104.6919 %	101.1932 %	103.9036 %	107.7648 %	103.3792 %
Concentration per Run	0.0622 ppm	103.3023 %	104.9648 %	100.9161 %	103.8566 %	106.9278 %	103.1234 %
Concentration per Run	0.0620 ppm	102.8484 %	104.7457 %	102.0335 %	103.5913 %	108.5270 %	104.5086 %
Concentration per Run	0.0626 ppm	103.5512 %	104.3652 %	100.6481 %	104.2628 %	107.8397 %	102.5056 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.7 %	0.3 %	0.7 %	1.0 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 12:37:59 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4919 ppm	0.4675 ppm	0.4705 ppm	0.4719 ppm	0.4808 ppm	0.4884 ppm	0.4775 ppm
Concentration per Run	0.4908 ppm	0.4706 ppm	0.4690 ppm	0.4724 ppm	0.4788 ppm	0.4743 ppm	0.4743 ppm
Concentration per Run	0.4906 ppm	0.4764 ppm	0.4699 ppm	0.4713 ppm	0.4813 ppm	0.4873 ppm	0.4816 ppm
Concentration per Run	0.4943 ppm	0.4554 ppm	0.4725 ppm	0.4720 ppm	0.4823 ppm	0.4905 ppm	0.4766 ppm
Recovery Percentage	98.384 %	93.499 %	94.095 %	94.379 %	96.154 %	97.684 %	95.494 %
Concentration RSD	0.4 %	2.3 %	0.4 %	0.1 %	0.4 %	0.4 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5037 ppm	0.4970 ppm	0.4962 ppm	0.5067 ppm	0.4848 ppm	5.0620 ppm	0.4746 ppm
Concentration per Run	0.5041 ppm	0.4972 ppm	0.4971 ppm	0.5069 ppm	0.4831 ppm	5.0697 ppm	0.4659 ppm
Concentration per Run	0.5024 ppm	0.4973 ppm	0.4973 ppm	0.5072 ppm	0.4814 ppm	5.0766 ppm	0.4722 ppm
Concentration per Run	0.5045 ppm	0.4965 ppm	0.4943 ppm	0.5058 ppm	0.4899 ppm	5.0396 ppm	0.4858 ppm
Recovery Percentage	100.730 %	99.406 %	99.232 %	101.333 %	96.962 %	101.239 %	94.929 %
Concentration RSD	0.2 %	0.1 %	0.3 %	0.1 %	0.9 %	0.4 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5070 ppm	0.4942 ppm	0.4776 ppm	9.9281 ppm	0.5064 ppm	0.4969 ppm	0.5028 ppm
Concentration per Run	0.5084 ppm	0.4965 ppm	0.4759 ppm	9.9932 ppm	0.5065 ppm	0.4957 ppm	0.5082 ppm
Concentration per Run	0.5030 ppm	0.4952 ppm	0.4773 ppm	10.0231 ppm	0.5063 ppm	0.4956 ppm	0.5027 ppm
Concentration per Run	0.5096 ppm	0.4910 ppm	0.4795 ppm	9.7680 ppm	0.5064 ppm	0.4992 ppm	0.4975 ppm
Recovery Percentage	101.393 %	98.842 %	95.513 %	99.281 %	101.283 %	99.371 %	100.561 %
Concentration RSD	0.7 %	0.6 %	0.4 %	1.4 %	0.0 %	0.4 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4705 ppm	5.2449 ppm	0.4838 ppm	0.4826 ppm	0.4943 ppm	0.4828 ppm	0.5000 ppm
Concentration per Run	0.4660 ppm	5.2401 ppm	0.4816 ppm	0.4808 ppm	0.4923 ppm	0.4823 ppm	0.4999 ppm
Concentration per Run	0.4679 ppm	5.2320 ppm	0.4828 ppm	0.4843 ppm	0.4919 ppm	0.4814 ppm	0.5000 ppm
Concentration per Run	0.4777 ppm	5.2627 ppm	0.4870 ppm	0.4989 ppm	0.4848 ppm	0.4848 ppm	0.5000 ppm
Recovery Percentage	94.104 %	99.903 %	96.756 %	96.530 %	98.868 %	96.565 %	99.994 %
Concentration RSD	1.3 %	0.3 %	0.6 %	0.4 %	0.8 %	0.4 %	0.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4839 ppm	102.9071 %	104.2852 %	101.8219 %	101.1957 %	104.0176 %	100.7960 %
Concentration per Run	0.4850 ppm	102.3680 %	103.1288 %	102.0467 %	101.0607 %	104.1005 %	100.8827 %
Concentration per Run	0.4834 ppm	103.2524 %	104.3531 %	101.6002 %	101.3884 %	105.4430 %	100.5547 %
Concentration per Run	0.4832 ppm	103.1008 %	105.3739 %	101.8189 %	101.1381 %	102.5093 %	100.9506 %
Recovery Percentage	96.771 %						
Concentration RSD	0.2 %	0.5 %	1.1 %	0.2 %	0.2 %	1.4 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 12:40:04 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0018 ppm	-0.0018 ppm	0.0020 ppm	-0.0003 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	-0.0013 ppm	0.0034 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run	-0.0003 ppm	-0.0013 ppm	-0.0012 ppm	0.0011 ppm	-0.0003 ppm	-0.0001 ppm	-0.0007 ppm
Concentration per Run	0.0000 ppm	0.0013 ppm	-0.0028 ppm	0.0016 ppm	-0.0003 ppm	0.0000 ppm	-0.0038 ppm
Recovery Percentage	-0.519 %	1.820 %	-35.691 %	6.712 %	-2.917 %	-1.102 %	-1.484 %
Concentration RSD	652.9 %	186.3 %	51.6 %	61.3 %	7.1 %	71.7 %	138.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0014 ppm	0.0188 ppm	-0.0038 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0007 ppm	-0.0001 ppm	0.0022 ppm	0.0129 ppm	-0.0020 ppm
Concentration per Run	-0.0002 ppm	0.0009 ppm	0.0001 ppm	-0.0002 ppm	0.0019 ppm	0.0189 ppm	-0.0035 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	-0.0005 ppm	-0.0005 ppm	-0.0001 ppm	0.0246 ppm	-0.0060 ppm
Recovery Percentage	-0.892 %	0.886 %	0.873 %	-2.434 %	2.737 %	0.752 %	-76.186 %
Concentration RSD	231.8 %	339.7 %	696.5 %	81.7 %	91.8 %	31.2 %	53.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0014 ppm	0.0001 ppm	0.0002 ppm	-0.0121 ppm	0.0001 ppm	0.0002 ppm	0.0048 ppm
Concentration per Run	-0.0016 ppm	0.0002 ppm	-0.0005 ppm	-0.0117 ppm	-0.0006 ppm	0.0004 ppm	0.0027 ppm
Concentration per Run	-0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0173 ppm	-0.0004 ppm	0.0012 ppm	0.0048 ppm
Concentration per Run	-0.0017 ppm	0.0001 ppm	0.0000 ppm	-0.0074 ppm	0.0013 ppm	-0.0010 ppm	0.0068 ppm
Recovery Percentage	-1.368 %	0.701 %	-0.335 %	-0.606 %	0.455 %	1.799 %	9.547 %
Concentration RSD	33.9 %	124.5 %	195.5 %	41.2 %	934.5 %	624.2 %	42.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	0.0004 ppm	0.0007 ppm	-0.0001 ppm	-0.0008 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	0.0017 ppm	-0.0002 ppm	0.0013 ppm	-0.0001 ppm	-0.0005 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0023 ppm	0.0008 ppm	0.0007 ppm	-0.0001 ppm	-0.0006 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run	-0.0011 ppm	0.0007 ppm	0.0002 ppm	-0.0002 ppm	-0.0012 ppm	0.0008 ppm	0.0001 ppm
Recovery Percentage	9.868 %	0.088 %	1.488 %	-1.227 %	-7.692 %	1.432 %	0.427 %
Concentration RSD	183.4 %	127.0 %	71.4 %	31.2 %	52.4 %	142.7 %	470.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0001 ppm	101.6537 %	100.7648 %	100.7648 %	101.9886 %	104.1070 %	101.1657 %
Concentration per Run	-0.0001 ppm	102.4028 %	101.6791 %	101.8233 %	102.5567 %	103.7894 %	102.2038 %
Concentration per Run	-0.0002 ppm	100.8732 %	103.0268 %	100.0808 %	101.4004 %	105.4866 %	100.6393 %
Concentration per Run	0.0001 ppm	101.6852 %	102.3569 %	100.3902 %	102.0086 %	103.0648 %	100.6540 %
Recovery Percentage	-1.421 %						
Concentration RSD	184.3 %	0.8 %	0.7 %	0.9 %	0.6 %	1.2 %	0.9 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2111844-1 WG2111844

Analysis started at: 9/12/2025 12:44:50 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 36

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0014 ppm	-0.0015 ppm	0.0023 ppm	-0.0004 ppm	-0.0001 ppm	0.0032 ppm
Concentration per Run	0.0000 ppm	-0.0017 ppm	-0.0018 ppm	0.0021 ppm	-0.0001 ppm	-0.0001 ppm	0.0077 ppm
Concentration per Run	0.0002 ppm	0.0066 ppm	0.0002 ppm	0.0010 ppm	-0.0005 ppm	0.0000 ppm	0.0053 ppm
Concentration per Run	0.0006 ppm	-0.0007 ppm	-0.0030 ppm	0.0039 ppm	-0.0003 ppm	0.0000 ppm	-0.0035 ppm
Concentration RSD	113.0 %	323.0 %	107.1 %	64.2 %	14.3 %	58.3 %	185.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0026 ppm	0.0261 ppm	-0.0039 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0028 ppm	0.0410 ppm	-0.0047 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	-0.0002 ppm	-0.0001 ppm	0.0038 ppm	0.0006 ppm	-0.0040 ppm
Concentration per Run	-0.0001 ppm	-0.0009 ppm	0.0001 ppm	-0.0003 ppm	0.0011 ppm	0.0368 ppm	-0.0029 ppm
Concentration RSD	41.0 %	482.0 %	462.2 %	59.3 %	54.8 %	84.9 %	22.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0191 ppm	0.0003 ppm	0.0000 ppm	0.0052 ppm
Concentration per Run	0.0004 ppm	0.0001 ppm	-0.0003 ppm	-0.0273 ppm	0.0005 ppm	0.0006 ppm	0.0086 ppm
Concentration per Run	-0.0004 ppm	0.0002 ppm	-0.0005 ppm	-0.0138 ppm	0.0005 ppm	0.0000 ppm	0.0037 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	-0.0004 ppm	-0.0162 ppm	-0.0001 ppm	-0.0006 ppm	0.0033 ppm
Concentration RSD	3.045.0 %	63.9 %	31.5 %	37.7 %	120.0 %	1.666.2 %	56.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0008 ppm	0.0103 ppm	-0.0007 ppm	-0.0002 ppm	-0.0009 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	-0.0048 ppm	0.0077 ppm	-0.0007 ppm	-0.0002 ppm	-0.0010 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	0.0017 ppm	0.0119 ppm	-0.0004 ppm	-0.0001 ppm	-0.0010 ppm	0.0014 ppm	-0.0003 ppm
Concentration per Run	0.0005 ppm	0.0112 ppm	-0.0010 ppm	-0.0002 ppm	-0.0008 ppm	-0.0012 ppm	0.0000 ppm
Concentration RSD	414.4 %	21.8 %	44.5 %	37.5 %	11.6 %	692.9 %	501.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	104.4470 %	104.8777 %	104.2504 %	104.9650 %	107.7893 %	104.1405 %
Concentration per Run	-0.0001 ppm	103.6077 %	104.4874 %	103.8200 %	104.2799 %	108.1318 %	103.8092 %
Concentration per Run	0.0001 ppm	104.9155 %	105.3171 %	104.6488 %	105.3169 %	106.7818 %	104.4184 %
Concentration per Run	0.0002 ppm	104.8180 %	104.8286 %	104.2825 %	105.2981 %	108.4541 %	104.1939 %
Concentration RSD	267.2 %	0.7 %	0.4 %	0.4 %	0.6 %	0.8 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2111844-2 WG2111844

Analysis started at: 9/12/2025 12:47:00 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 37

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0527 ppm	1.9480 ppm	0.1175 ppm	0.9581 ppm	1.8932 ppm	0.0482 ppm	9.8347 ppm
Concentration per Run	0.0533 ppm	1.9570 ppm	0.1164 ppm	0.9579 ppm	1.8903 ppm	0.0482 ppm	9.8502 ppm
Concentration per Run	0.0520 ppm	1.9459 ppm	0.1211 ppm	0.9563 ppm	1.8947 ppm	0.0482 ppm	9.8519 ppm
Concentration per Run	0.0528 ppm	1.9413 ppm	0.1150 ppm	0.9601 ppm	1.8946 ppm	0.0482 ppm	9.8021 ppm
Concentration RSD	1.3 %	0.4 %	2.7 %	0.2 %	0.1 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0516 ppm	0.4781 ppm	0.1929 ppm	0.2448 ppm	0.9538 ppm	10.2005 ppm	-0.0043 ppm
Concentration per Run	0.0515 ppm	0.4768 ppm	0.1929 ppm	0.2436 ppm	0.9520 ppm	10.1904 ppm	-0.0052 ppm
Concentration per Run	0.0516 ppm	0.4799 ppm	0.1932 ppm	0.2461 ppm	0.9536 ppm	10.1940 ppm	-0.0048 ppm
Concentration per Run	0.0518 ppm	0.4776 ppm	0.1926 ppm	0.2447 ppm	0.9559 ppm	10.2172 ppm	-0.0031 ppm
Concentration RSD	0.4 %	0.3 %	0.2 %	0.5 %	0.2 %	0.1 %	25.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.1002 ppm	0.4809 ppm	0.9721 ppm	10.1499 ppm	0.4912 ppm	0.5306 ppm	0.4952 ppm
Concentration per Run	10.1081 ppm	0.4824 ppm	0.9735 ppm	10.1620 ppm	0.4886 ppm	0.5302 ppm	0.4958 ppm
Concentration per Run	10.0365 ppm	0.4808 ppm	0.9709 ppm	10.1886 ppm	0.4930 ppm	0.5314 ppm	0.4951 ppm
Concentration per Run	10.1561 ppm	0.4796 ppm	0.9719 ppm	10.1192 ppm	0.4919 ppm	0.5301 ppm	0.4946 ppm
Concentration RSD	0.6 %	0.3 %	0.1 %	0.3 %	0.5 %	0.1 %	0.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1171 ppm	1.0453 ppm	0.9616 ppm	0.9555 ppm	0.9892 ppm	0.1177 ppm	0.4988 ppm
Concentration per Run	0.1195 ppm	1.0427 ppm	0.9631 ppm	0.9544 ppm	0.9857 ppm	0.1181 ppm	0.4979 ppm
Concentration per Run	0.1167 ppm	1.0439 ppm	0.9625 ppm	0.9565 ppm	0.9854 ppm	0.1163 ppm	0.4995 ppm
Concentration per Run	0.1152 ppm	1.0495 ppm	0.9592 ppm	0.9555 ppm	0.9967 ppm	0.1188 ppm	0.4989 ppm
Concentration RSD	1.9 %	0.3 %	0.2 %	0.1 %	0.7 %	1.1 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4771 ppm	103.1871 %	105.2653 %	100.3040 %	101.1557 %	105.7977 %	99.8460 %
Concentration per Run	0.4775 ppm	102.9191 %	105.0603 %	99.9450 %	100.6145 %	107.2230 %	99.3658 %
Concentration per Run	0.4768 ppm	104.2902 %	104.8514 %	100.0293 %	101.5323 %	104.7572 %	99.6297 %
Concentration per Run	0.4771 ppm	103.3520 %	105.8841 %	100.9375 %	101.3203 %	105.4130 %	100.5423 %
Concentration RSD	0.1 %	0.2 %	0.5 %	0.5 %	0.5 %	1.2 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555806-01 WG2111844

Analysis started at: 9/12/2025 12:49:05 PM

Comment <Comment>

Rack Number 1

Vial Numbers 43

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	0.1460 ppm	-0.0021 ppm	0.0332 ppm	0.0409 ppm	0.0000 ppm	29.2605 ppm
Concentration per Run	-0.0003 ppm	0.1538 ppm	-0.0012 ppm	0.0344 ppm	0.0411 ppm	0.0000 ppm	29.1559 ppm
Concentration per Run	0.0007 ppm	0.1415 ppm	-0.0043 ppm	0.0310 ppm	0.0406 ppm	0.0000 ppm	29.3190 ppm
Concentration per Run	0.0008 ppm	0.1427 ppm	-0.0008 ppm	0.0341 ppm	0.0410 ppm	0.0000 ppm	29.3066 ppm
Concentration RSD	144.9 %	4.6 %	92.3 %	5.7 %	0.6 %	48.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0010 ppm	0.3332 ppm	3.4066 ppm	-0.0016 ppm
Concentration per Run	-0.0003 ppm	0.0007 ppm	0.0005 ppm	0.0011 ppm	0.3331 ppm	3.4174 ppm	-0.0021 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0010 ppm	0.3333 ppm	3.4005 ppm	-0.0023 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0010 ppm	0.3330 ppm	3.4018 ppm	-0.0002 ppm
Concentration RSD	48.3 %	77.5 %	254.0 %	8.8 %	0.0 %	0.3 %	75.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5988 ppm	0.0542 ppm	0.0012 ppm	23.3459 ppm	0.0017 ppm	0.0004 ppm	0.0013 ppm
Concentration per Run	5.5966 ppm	0.0544 ppm	0.0014 ppm	23.3626 ppm	0.0012 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run	5.5871 ppm	0.0541 ppm	0.0010 ppm	23.2322 ppm	0.0015 ppm	0.0009 ppm	0.0009 ppm
Concentration per Run	5.6126 ppm	0.0542 ppm	0.0012 ppm	23.4428 ppm	0.0024 ppm	0.0003 ppm	0.0028 ppm
Concentration RSD	0.2 %	0.2 %	13.2 %	0.5 %	37.6 %	102.0 %	103.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0042 ppm	3.3406 ppm	0.0001 ppm	0.1113 ppm	0.0050 ppm	0.0008 ppm	0.0015 ppm
Concentration per Run	0.0043 ppm	3.3346 ppm	-0.0007 ppm	0.1112 ppm	0.0047 ppm	0.0017 ppm	0.0016 ppm
Concentration per Run	0.0032 ppm	3.3388 ppm	-0.0004 ppm	0.1113 ppm	0.0004 ppm	0.0009 ppm	0.0015 ppm
Concentration per Run	0.0050 ppm	3.3484 ppm	0.0012 ppm	0.1114 ppm	0.0050 ppm	-0.0001 ppm	0.0013 ppm
Concentration RSD	22.3 %	0.2 %	1,385.8 %	0.1 %	6.0 %	113.1 %	11.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0018 ppm	104.6624 %	106.0768 %	102.4512 %	102.2722 %	106.1965 %	101.7187 %
Concentration per Run	0.0018 ppm	104.8379 %	106.1887 %	102.0339 %	102.6095 %	107.1319 %	101.2237 %
Concentration per Run	0.0018 ppm	104.7754 %	105.8383 %	103.3334 %	102.2449 %	104.4817 %	102.5588 %
Concentration per Run	0.0019 ppm	104.3741 %	106.2033 %	101.9862 %	101.9621 %	106.9760 %	101.3735 %
Concentration RSD	3.4 %	0.2 %	0.2 %	0.7 %	0.3 %	1.4 %	0.7 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555806-02 WG2111844

Analysis started at: 9/12/2025 12:51:09 PM

Comment <Comment>

Rack Number 1

Vial Numbers 44

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.2300 ppm	-0.0006 ppm	0.0310 ppm	0.0425 ppm	0.0000 ppm	29.4058 ppm
Concentration per Run	-0.0002 ppm	0.2373 ppm	-0.0021 ppm	0.0306 ppm	0.0429 ppm	0.0000 ppm	29.4577 ppm
Concentration per Run	0.0003 ppm	0.2247 ppm	0.0007 ppm	0.0319 ppm	0.0423 ppm	0.0000 ppm	29.3977 ppm
Concentration per Run	0.0001 ppm	0.2280 ppm	-0.0002 ppm	0.0305 ppm	0.0423 ppm	0.0000 ppm	29.3619 ppm
Concentration RSD	407.1 %	2.8 %	252.2 %	2.7 %	0.8 %	118.8 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0008 ppm	0.0001 ppm	0.0084 ppm	0.5730 ppm	3.3889 ppm	-0.0025 ppm
Concentration per Run	-0.0002 ppm	0.0011 ppm	0.0000 ppm	0.0082 ppm	0.5806 ppm	3.4002 ppm	-0.0023 ppm
Concentration per Run	-0.0002 ppm	0.0008 ppm	-0.0001 ppm	0.0084 ppm	0.5737 ppm	3.3841 ppm	-0.0036 ppm
Concentration per Run	-0.0003 ppm	0.0005 ppm	0.0003 ppm	0.0085 ppm	0.5648 ppm	3.3824 ppm	-0.0017 ppm
Concentration RSD	20.5 %	40.1 %	233.9 %	1.6 %	1.4 %	0.3 %	38.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5972 ppm	0.0643 ppm	0.0005 ppm	23.4255 ppm	0.0041 ppm	0.0002 ppm	0.0049 ppm
Concentration per Run	5.6577 ppm	0.0645 ppm	0.0007 ppm	23.4398 ppm	0.0040 ppm	-0.0001 ppm	0.0085 ppm
Concentration per Run	5.5631 ppm	0.0643 ppm	0.0004 ppm	23.3261 ppm	0.0046 ppm	0.0003 ppm	0.0022 ppm
Concentration per Run	5.5708 ppm	0.0642 ppm	0.0003 ppm	23.5107 ppm	0.0036 ppm	0.0003 ppm	0.0041 ppm
Concentration RSD	0.9 %	0.2 %	41.0 %	0.4 %	11.9 %	114.7 %	65.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	3.4634 ppm	-0.0002 ppm	0.1108 ppm	0.0092 ppm	0.0002 ppm	0.0017 ppm
Concentration per Run	0.0005 ppm	3.4822 ppm	-0.0002 ppm	0.1111 ppm	0.0095 ppm	0.0004 ppm	0.0019 ppm
Concentration per Run	0.0050 ppm	3.4422 ppm	0.0003 ppm	0.1105 ppm	0.0086 ppm	-0.0001 ppm	0.0018 ppm
Concentration per Run	-0.0010 ppm	3.4658 ppm	-0.0009 ppm	0.1107 ppm	0.0095 ppm	0.0013 ppm	0.0013 ppm
Concentration RSD	210.4 %	0.6 %	246.3 %	0.3 %	5.3 %	170.6 %	19.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0029 ppm	104.9354 %	106.0183 %	101.9193 %	102.5643 %	106.5470 %	101.6128 %
Concentration per Run	0.0031 ppm	103.9726 %	104.9560 %	101.3858 %	102.0181 %	105.5880 %	101.2623 %
Concentration per Run	0.0029 ppm	105.0553 %	107.0413 %	101.9528 %	102.4559 %	106.6369 %	101.5645 %
Concentration per Run	0.0026 ppm	105.7782 %	106.0575 %	102.4193 %	103.2188 %	107.4161 %	102.0117 %
Concentration RSD	8.0 %	0.9 %	1.0 %	0.5 %	0.6 %	0.9 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555806-03 WG2111844

Analysis started at: 9/12/2025 12:53:14 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 45

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.2689 ppm	-0.0007 ppm	0.0336 ppm	0.0429 ppm	0.0000 ppm	29.6728 ppm
Concentration per Run	0.0001 ppm	0.2673 ppm	0.0001 ppm	0.0338 ppm	0.0429 ppm	0.0000 ppm	29.8614 ppm
Concentration per Run	-0.0001 ppm	0.2741 ppm	-0.0005 ppm	0.0334 ppm	0.0429 ppm	0.0000 ppm	29.6729 ppm
Concentration per Run	0.0003 ppm	0.2653 ppm	-0.0016 ppm	0.0335 ppm	0.0429 ppm	0.0000 ppm	29.4835 ppm
Concentration RSD	165.0 %	1.7 %	123.3 %	0.8 %	0.0 %	13.6 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0004 ppm	0.0004 ppm	0.0013 ppm	0.6255 ppm	3.4210 ppm	-0.0012 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0011 ppm	0.6312 ppm	3.4568 ppm	-0.0004 ppm
Concentration per Run	-0.0004 ppm	0.0003 ppm	0.0009 ppm	0.0013 ppm	0.6254 ppm	3.4129 ppm	-0.0012 ppm
Concentration per Run	-0.0003 ppm	0.0007 ppm	0.0003 ppm	0.0014 ppm	0.6199 ppm	3.3932 ppm	-0.0019 ppm
Concentration RSD	12.1 %	54.6 %	118.7 %	11.2 %	0.9 %	1.0 %	66.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.6995 ppm	0.0727 ppm	0.0007 ppm	23.5094 ppm	0.0016 ppm	0.0002 ppm	0.0029 ppm
Concentration per Run	5.7093 ppm	0.0728 ppm	0.0007 ppm	23.5029 ppm	0.0015 ppm	0.0002 ppm	0.0028 ppm
Concentration per Run	5.7491 ppm	0.0725 ppm	0.0006 ppm	23.4780 ppm	0.0016 ppm	0.0004 ppm	0.0030 ppm
Concentration per Run	5.6402 ppm	0.0728 ppm	0.0008 ppm	23.5472 ppm	0.0017 ppm	-0.0001 ppm	0.0031 ppm
Concentration RSD	1.0 %	0.2 %	16.5 %	0.1 %	5.8 %	163.9 %	5.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	3.5839 ppm	-0.0003 ppm	0.1123 ppm	0.0109 ppm	0.0012 ppm	0.0017 ppm
Concentration per Run	0.0026 ppm	3.5886 ppm	0.0002 ppm	0.1124 ppm	0.0111 ppm	0.0011 ppm	0.0016 ppm
Concentration per Run	0.0026 ppm	3.5972 ppm	-0.0010 ppm	0.1122 ppm	0.0107 ppm	0.0019 ppm	0.0018 ppm
Concentration per Run	-0.0052 ppm	3.5658 ppm	0.0000 ppm	0.1122 ppm	0.0109 ppm	0.0007 ppm	0.0016 ppm
Concentration RSD	61.626.2 %	0.5 %	218.6 %	0.1 %	2.0 %	50.9 %	6.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0044 ppm	103.7047 %	105.9294 %	101.2464 %	101.3168 %	105.7679 %	100.7550 %
Concentration per Run	0.0043 ppm	103.7395 %	106.5471 %	101.0957 %	101.5054 %	106.4177 %	100.7052 %
Concentration per Run	0.0046 ppm	103.4459 %	105.7446 %	101.6255 %	101.2375 %	105.1956 %	100.9895 %
Concentration per Run	0.0043 ppm	103.9288 %	105.4966 %	101.0178 %	101.2074 %	105.6904 %	100.5704 %
Concentration RSD	3.9 %	0.2 %	0.5 %	0.3 %	0.2 %	0.6 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555806-05 WG2111844

Analysis started at: 9/12/2025 12:55:19 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 38

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	0.1310 ppm	-0.0005 ppm	0.0404 ppm	0.0405 ppm	0.0000 ppm	31.9983 ppm
Concentration per Run	0.0005 ppm	0.1234 ppm	-0.0022 ppm	0.0395 ppm	0.0406 ppm	-0.0001 ppm	32.1157 ppm
Concentration per Run	0.0002 ppm	0.1402 ppm	-0.0010 ppm	0.0405 ppm	0.0402 ppm	0.0000 ppm	32.0441 ppm
Concentration per Run	0.0007 ppm	0.1294 ppm	0.0018 ppm	0.0412 ppm	0.0406 ppm	0.0000 ppm	31.8352 ppm
Concentration RSD	46.6 %	6.5 %	459.6 %	2.0 %	0.6 %	40.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0004 ppm	0.0007 ppm	0.0038 ppm	0.3020 ppm	4.0489 ppm	-0.0016 ppm
Concentration per Run	-0.0004 ppm	0.0003 ppm	0.0013 ppm	0.0038 ppm	0.3002 ppm	4.0465 ppm	-0.0028 ppm
Concentration per Run	-0.0004 ppm	0.0004 ppm	0.0004 ppm	0.0037 ppm	0.3046 ppm	4.0519 ppm	-0.0002 ppm
Concentration per Run	-0.0004 ppm	0.0004 ppm	0.0004 ppm	0.0039 ppm	0.3010 ppm	4.0482 ppm	-0.0018 ppm
Concentration RSD	2.9 %	9.6 %	79.2 %	3.6 %	0.8 %	0.1 %	81.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.6445 ppm	0.0501 ppm	0.0007 ppm	26.7888 ppm	0.0073 ppm	0.0006 ppm	0.0045 ppm
Concentration per Run	5.6747 ppm	0.0502 ppm	0.0004 ppm	26.8082 ppm	0.0072 ppm	0.0009 ppm	0.0043 ppm
Concentration per Run	5.8880 ppm	0.0497 ppm	0.0009 ppm	26.6089 ppm	0.0073 ppm	0.0005 ppm	0.0035 ppm
Concentration per Run	5.6708 ppm	0.0504 ppm	0.0006 ppm	26.9494 ppm	0.0073 ppm	0.0004 ppm	0.0058 ppm
Concentration RSD	0.9 %	0.7 %	41.8 %	0.6 %	1.0 %	49.8 %	26.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0011 ppm	3.6022 ppm	0.0017 ppm	0.1133 ppm	0.0050 ppm	0.0005 ppm	0.0015 ppm
Concentration per Run	-0.0006 ppm	3.5959 ppm	0.0013 ppm	0.1133 ppm	0.0053 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run	-0.0004 ppm	3.5925 ppm	0.0020 ppm	0.1131 ppm	0.0048 ppm	0.0007 ppm	0.0016 ppm
Concentration per Run	-0.0025 ppm	3.6181 ppm	0.0019 ppm	0.1134 ppm	0.0048 ppm	0.0008 ppm	0.0015 ppm
Concentration RSD	100.1 %	0.4 %	23.1 %	0.1 %	6.2 %	93.3 %	8.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0225 ppm	104.8939 %	107.4049 %	102.2623 %	102.6198 %	106.4262 %	101.9395 %
Concentration per Run	0.0229 ppm	104.8746 %	107.8023 %	102.7573 %	102.7479 %	107.0389 %	102.6284 %
Concentration per Run	0.0224 ppm	106.3333 %	106.5437 %	101.7655 %	102.9782 %	104.2892 %	101.5705 %
Concentration per Run	0.0223 ppm	104.4737 %	107.8687 %	102.2642 %	102.1333 %	107.9505 %	101.6795 %
Concentration RSD	1.3 %	0.4 %	0.7 %	0.5 %	0.4 %	1.8 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2111844-3 WG2111844

Analysis started at: 9/12/2025 12:57:24 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 39

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0525 ppm	2.0762 ppm	0.1199 ppm	1.0159 ppm	1.9276 ppm	0.0486 ppm	40.8811 ppm
Concentration per Run	0.0525 ppm	2.0907 ppm	0.1195 ppm	1.0167 ppm	1.9276 ppm	0.0486 ppm	40.9550 ppm
Concentration per Run	0.0523 ppm	2.0639 ppm	0.1194 ppm	1.0108 ppm	1.9285 ppm	0.0484 ppm	40.8473 ppm
Concentration per Run	0.0528 ppm	2.0740 ppm	0.1209 ppm	1.0203 ppm	1.9267 ppm	0.0488 ppm	40.8409 ppm
Concentration RSD	0.5 %	0.7 %	0.7 %	0.5 %	0.0 %	0.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0509 ppm	0.4728 ppm	0.1922 ppm	0.2440 ppm	1.2000 ppm	14.1816 ppm	-0.0019 ppm
Concentration per Run	0.0510 ppm	0.4737 ppm	0.1927 ppm	0.2439 ppm	1.1934 ppm	14.1770 ppm	-0.0005 ppm
Concentration per Run	0.0504 ppm	0.4733 ppm	0.1919 ppm	0.2434 ppm	1.1990 ppm	14.1481 ppm	-0.0028 ppm
Concentration per Run	0.0512 ppm	0.4714 ppm	0.1920 ppm	0.2448 ppm	1.2077 ppm	14.2197 ppm	-0.0024 ppm
Concentration RSD	0.8 %	0.3 %	0.2 %	0.3 %	0.6 %	0.3 %	62.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.4272 ppm	0.5226 ppm	0.9761 ppm	36.7166 ppm	0.4830 ppm	0.5261 ppm	0.4950 ppm
Concentration per Run	15.4677 ppm	0.5245 ppm	0.9787 ppm	36.7591 ppm	0.4821 ppm	0.5265 ppm	0.4957 ppm
Concentration per Run	15.2608 ppm	0.5225 ppm	0.9689 ppm	36.7248 ppm	0.4839 ppm	0.5256 ppm	0.4883 ppm
Concentration per Run	15.5531 ppm	0.5208 ppm	0.9799 ppm	36.6658 ppm	0.4831 ppm	0.5263 ppm	0.5011 ppm
Concentration RSD	1.0 %	0.4 %	0.6 %	0.1 %	0.2 %	0.1 %	1.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1182 ppm	4.7767 ppm	0.9544 ppm	1.0642 ppm	0.9935 ppm	0.1163 ppm	0.5015 ppm
Concentration per Run	0.1218 ppm	4.7812 ppm	0.9542 ppm	1.0630 ppm	0.9957 ppm	0.1152 ppm	0.5020 ppm
Concentration per Run	0.1184 ppm	4.7456 ppm	0.9530 ppm	1.0641 ppm	0.9832 ppm	0.1178 ppm	0.4988 ppm
Concentration per Run	0.1144 ppm	4.8032 ppm	0.9560 ppm	1.0655 ppm	1.0014 ppm	0.1160 ppm	0.5036 ppm
Concentration RSD	3.2 %	0.6 %	0.2 %	0.1 %	0.9 %	1.2 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4784 ppm	104.0905 %	106.8579 %	101.8331 %	106.6817 %	101.2448 %
Concentration per Run	0.4800 ppm	103.8901 %	106.4796 %	101.0814 %	102.1026 %	101.6928 %
Concentration per Run	0.4765 ppm	104.1559 %	107.3832 %	101.3866 %	107.2107 %	101.8287 %
Concentration per Run	0.4788 ppm	104.2253 %	106.7110 %	99.7857 %	102.0102 %	100.2128 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.9 %	0.4 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2111844-4 WG2111844

Analysis started at: 9/12/2025 12:59:29 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 40

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0521 ppm	2.0774 ppm	0.1196 ppm	0.9958 ppm	1.9020 ppm	0.0482 ppm	40.4106 ppm
Concentration per Run	0.0519 ppm	2.0835 ppm	0.1184 ppm	0.9886 ppm	1.9010 ppm	0.0483 ppm	40.4174 ppm
Concentration per Run	0.0523 ppm	2.0690 ppm	0.1210 ppm	0.9966 ppm	1.9078 ppm	0.0482 ppm	40.2966 ppm
Concentration per Run	0.0519 ppm	2.0796 ppm	0.1195 ppm	1.0022 ppm	1.8973 ppm	0.0480 ppm	40.5179 ppm
Concentration RSD	0.4 %	0.4 %	1.1 %	0.7 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0504 ppm	0.4683 ppm	0.1901 ppm	0.2412 ppm	1.1929 ppm	13.9404 ppm	-0.0032 ppm
Concentration per Run	0.0501 ppm	0.4667 ppm	0.1901 ppm	0.2400 ppm	1.2001 ppm	13.9620 ppm	-0.0026 ppm
Concentration per Run	0.0503 ppm	0.4703 ppm	0.1907 ppm	0.2420 ppm	1.1885 ppm	13.9605 ppm	-0.0026 ppm
Concentration per Run	0.0507 ppm	0.4678 ppm	0.1894 ppm	0.2416 ppm	1.1901 ppm	13.8985 ppm	-0.0043 ppm
Concentration RSD	0.6 %	0.4 %	0.3 %	0.4 %	0.5 %	0.3 %	31.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.1443 ppm	0.5175 ppm	0.9535 ppm	36.3475 ppm	0.4775 ppm	0.5151 ppm	0.4904 ppm
Concentration per Run	15.0784 ppm	0.5166 ppm	0.9475 ppm	35.9405 ppm	0.4747 ppm	0.5156 ppm	0.4849 ppm
Concentration per Run	15.1832 ppm	0.5188 ppm	0.9567 ppm	36.6090 ppm	0.4788 ppm	0.5166 ppm	0.4904 ppm
Concentration per Run	15.1712 ppm	0.5170 ppm	0.9564 ppm	36.4930 ppm	0.4789 ppm	0.5131 ppm	0.4959 ppm
Concentration RSD	0.4 %	0.2 %	0.5 %	1.0 %	0.5 %	0.4 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1187 ppm	4.7139 ppm	0.9351 ppm	1.0440 ppm	0.9731 ppm	0.1143 ppm	0.4960 ppm
Concentration per Run	0.1204 ppm	4.6887 ppm	0.9332 ppm	1.0431 ppm	0.9666 ppm	0.1139 ppm	0.4944 ppm
Concentration per Run	0.1191 ppm	4.7252 ppm	0.9423 ppm	1.0481 ppm	0.9768 ppm	0.1144 ppm	0.4972 ppm
Concentration per Run	0.1166 ppm	4.7278 ppm	0.9297 ppm	1.0408 ppm	0.9759 ppm	0.1145 ppm	0.4963 ppm
Concentration RSD	1.7 %	0.5 %	0.7 %	0.4 %	0.6 %	0.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4740 ppm	104.3833 %	106.3008 %	100.4772 %	106.5339 %	100.9617 %
Concentration per Run	0.4716 ppm	104.2093 %	106.2481 %	101.2408 %	105.4762 %	101.7600 %
Concentration per Run	0.4744 ppm	104.3171 %	106.2519 %	100.0337 %	107.7926 %	100.3533 %
Concentration per Run	0.4761 ppm	104.6237 %	106.4023 %	100.1571 %	106.3327 %	100.7717 %
Concentration RSD	0.5 %	0.2 %	0.1 %	0.7 %	1.1 %	0.7 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2111844-5 WG2111844

Analysis started at: 9/12/2025 1:01:33 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 41

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	Ba 455.403 Radial-IFR)	B 208.959 Axial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0463 ppm	1.9662 ppm	0.1110 ppm	1.8458 ppm	0.9590 ppm	0.0466 ppm	39.8546 ppm
Concentration per Run	0.0464 ppm	1.9837 ppm	0.1133 ppm	1.8433 ppm	0.9628 ppm	0.0466 ppm	39.8578 ppm
Concentration per Run	0.0462 ppm	1.9608 ppm	0.1101 ppm	1.8451 ppm	0.9536 ppm	0.0465 ppm	39.8894 ppm
Concentration per Run	0.0463 ppm	1.9542 ppm	0.1096 ppm	1.8491 ppm	0.9606 ppm	0.0466 ppm	39.8166 ppm
Concentration RSD	0.2 %	0.8 %	1.8 %	0.5 %	0.2 %	0.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0485 ppm	0.4530 ppm	0.1833 ppm	0.2361 ppm	1.1996 ppm	13.4942 ppm	-0.0035 ppm
Concentration per Run	0.0490 ppm	0.4558 ppm	0.1836 ppm	0.2371 ppm	1.1946 ppm	13.4507 ppm	-0.0014 ppm
Concentration per Run	0.0481 ppm	0.4528 ppm	0.1835 ppm	0.2355 ppm	1.2037 ppm	13.5177 ppm	-0.0056 ppm
Concentration per Run	0.0485 ppm	0.4503 ppm	0.1828 ppm	0.2357 ppm	1.2004 ppm	13.5143 ppm	-0.0034 ppm
Concentration RSD	0.9 %	0.6 %	0.2 %	0.4 %	0.4 %	0.3 %	60.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.7222 ppm	0.5072 ppm	0.9208 ppm	35.3755 ppm	0.4663 ppm	0.4942 ppm	0.4716 ppm
Concentration per Run	14.9286 ppm	0.5082 ppm	0.9220 ppm	35.4407 ppm	0.4694 ppm	0.4948 ppm	0.4714 ppm
Concentration per Run	14.4695 ppm	0.5060 ppm	0.9179 ppm	35.2319 ppm	0.4634 ppm	0.4944 ppm	0.4678 ppm
Concentration per Run	14.7686 ppm	0.5072 ppm	0.9225 ppm	35.4538 ppm	0.4662 ppm	0.4934 ppm	0.4755 ppm
Concentration RSD	1.6 %	0.2 %	0.3 %	0.4 %	0.6 %	0.2 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1143 ppm	4.3075 ppm	0.9157 ppm	1.0060 ppm	0.9365 ppm	0.1076 ppm	0.4807 ppm
Concentration per Run	0.1123 ppm	4.3402 ppm	0.9170 ppm	1.0021 ppm	0.9509 ppm	0.1063 ppm	0.4830 ppm
Concentration per Run	0.1146 ppm	4.2663 ppm	0.9144 ppm	1.0064 ppm	0.9202 ppm	0.1096 ppm	0.4786 ppm
Concentration per Run	0.1159 ppm	4.3161 ppm	0.9157 ppm	1.0094 ppm	0.9383 ppm	0.1070 ppm	0.4804 ppm
Concentration RSD	1.6 %	0.9 %	0.1 %	0.4 %	1.6 %	1.6 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4796 ppm	104.5522 %	106.9429 %	100.3218 %	101.7554 %	106.5771 %	100.7807 %
Concentration per Run	0.4816 ppm	104.3640 %	107.1839 %	100.5330 %	101.7909 %	107.5130 %	101.0575 %
Concentration per Run	0.4781 ppm	105.4517 %	106.3909 %	100.3403 %	102.2700 %	105.0469 %	100.7943 %
Concentration per Run	0.4792 ppm	103.8409 %	107.2539 %	100.0921 %	101.2052 %	107.1715 %	100.4902 %
Concentration RSD	0.4 %	0.8 %	0.4 %	0.2 %	0.5 %	1.3 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2111844-6d5 WG2111844

Analysis started at: 9/12/2025 1:03:38 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 42

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	0.0303 ppm	-0.0001 ppm	0.0099 ppm	0.0077 ppm	-0.0001 ppm	6.3780 ppm
Concentration per Run	-0.0002 ppm	0.0374 ppm	-0.0012 ppm	0.0102 ppm	0.0079 ppm	-0.0001 ppm	6.3961 ppm
Concentration per Run	-0.0001 ppm	0.0223 ppm	-0.0005 ppm	0.0090 ppm	0.0077 ppm	-0.0001 ppm	6.3617 ppm
Concentration per Run	-0.0005 ppm	0.0312 ppm	0.0014 ppm	0.0106 ppm	0.0075 ppm	0.0000 ppm	6.3762 ppm
Concentration RSD	87.2 %	24.9 %	1.162.2 %	8.4 %	2.3 %	54.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0006 ppm	0.0592 ppm	0.8326 ppm	-0.0040 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0009 ppm	0.0602 ppm	0.8329 ppm	-0.0037 ppm
Concentration per Run	0.0000 ppm	0.0010 ppm	0.0002 ppm	0.0003 ppm	0.0606 ppm	0.8401 ppm	-0.0049 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0007 ppm	0.0569 ppm	0.8248 ppm	-0.0034 ppm
Concentration RSD	52.6 %	86.3 %	916.1 %	53.4 %	3.4 %	0.9 %	20.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1385 ppm	0.0098 ppm	0.0004 ppm	5.4590 ppm	0.0014 ppm	0.0002 ppm	0.0065 ppm
Concentration per Run	1.1426 ppm	0.0099 ppm	0.0007 ppm	5.4657 ppm	0.0015 ppm	0.0001 ppm	0.0102 ppm
Concentration per Run	1.1384 ppm	0.0095 ppm	0.0005 ppm	5.4135 ppm	0.0013 ppm	0.0001 ppm	0.0050 ppm
Concentration per Run	1.1346 ppm	0.0099 ppm	0.0000 ppm	5.4977 ppm	0.0014 ppm	0.0004 ppm	0.0043 ppm
Concentration RSD	0.4 %	2.3 %	95.5 %	0.8 %	5.8 %	79.9 %	50.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	0.7099 ppm	0.0017 ppm	0.0225 ppm	0.0002 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run	0.0008 ppm	0.7062 ppm	0.0014 ppm	0.0225 ppm	0.0003 ppm	0.0018 ppm	0.0003 ppm
Concentration per Run	-0.0002 ppm	0.7134 ppm	0.0021 ppm	0.0224 ppm	0.0002 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run	0.0008 ppm	0.7100 ppm	0.0017 ppm	0.0225 ppm	0.0003 ppm	0.0004 ppm	0.0004 ppm
Concentration RSD	126.8 %	0.5 %	21.6 %	0.3 %	102.7 %	86.9 %	171.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0039 ppm	105.8167 %	105.6991 %	104.0142 %	103.8331 %	105.9663 %	102.4769 %
Concentration per Run	0.0040 ppm	105.8999 %	105.8943 %	104.4648 %	104.1682 %	106.2666 %	102.6886 %
Concentration per Run	0.0040 ppm	105.5205 %	106.4717 %	103.3543 %	103.4623 %	105.7466 %	102.3592 %
Concentration per Run	0.0038 ppm	106.0298 %	104.7313 %	104.2236 %	103.8689 %	105.8857 %	102.3830 %
Concentration RSD	2.5 %	0.3 %	0.8 %	0.6 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 1:05:43 PM

Analysis started at: <Comment>

Comment: 0

Rack Number: 3

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4921 ppm	0.4666 ppm	0.4697 ppm	0.4732 ppm	0.4789 ppm	0.4873 ppm	0.4756 ppm
Concentration per Run	0.4897 ppm	0.4879 ppm	0.4669 ppm	0.4712 ppm	0.4796 ppm	0.4876 ppm	0.4750 ppm
Concentration per Run	0.4948 ppm	0.4521 ppm	0.4697 ppm	0.4758 ppm	0.4767 ppm	0.4857 ppm	0.4728 ppm
Concentration per Run	0.4917 ppm	0.4599 ppm	0.4725 ppm	0.4726 ppm	0.4803 ppm	0.4887 ppm	0.4789 ppm
Recovery Percentage	98.416 %	93.328 %	93.940 %	94.637 %	95.776 %	97.468 %	95.120 %
Concentration RSD	0.5 %	4.0 %	0.6 %	0.5 %	0.4 %	0.3 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5016 ppm	0.4980 ppm	0.4946 ppm	0.5065 ppm	0.4788 ppm	5.0136 ppm	0.4680 ppm
Concentration per Run	0.4993 ppm	0.4978 ppm	0.4945 ppm	0.5062 ppm	0.4823 ppm	5.0377 ppm	0.4709 ppm
Concentration per Run	0.5046 ppm	0.5018 ppm	0.4952 ppm	0.5066 ppm	0.4748 ppm	4.9772 ppm	0.4592 ppm
Concentration per Run	0.5007 ppm	0.4945 ppm	0.5068 ppm	0.5068 ppm	0.4792 ppm	5.0258 ppm	0.4739 ppm
Recovery Percentage	100.313 %	99.606 %	98.911 %	101.309 %	95.756 %	100.271 %	93.598 %
Concentration RSD	0.5 %	0.7 %	0.1 %	0.1 %	0.8 %	0.6 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5061 ppm	0.4919 ppm	0.4779 ppm	9.9753 ppm	0.5047 ppm	0.4970 ppm	0.5051 ppm
Concentration per Run	0.5047 ppm	0.4924 ppm	0.4756 ppm	9.9946 ppm	0.5034 ppm	0.4962 ppm	0.4980 ppm
Concentration per Run	0.5078 ppm	0.4818 ppm	0.4798 ppm	9.9798 ppm	0.5071 ppm	0.4966 ppm	0.5183 ppm
Concentration per Run	0.5057 ppm	0.4909 ppm	0.4762 ppm	9.9514 ppm	0.5034 ppm	0.4981 ppm	0.4989 ppm
Recovery Percentage	101.216 %	98.383 %	95.573 %	99.753 %	100.930 %	99.395 %	101.020 %
Concentration RSD	0.3 %	0.2 %	0.7 %	0.2 %	0.4 %	0.2 %	2.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4752 ppm	5.2569 ppm	0.4816 ppm	0.4834 ppm	0.4937 ppm	0.4808 ppm	0.5007 ppm
Concentration per Run	0.4736 ppm	5.2338 ppm	0.4770 ppm	0.4838 ppm	0.4913 ppm	0.4809 ppm	0.4996 ppm
Concentration per Run	0.4709 ppm	5.2817 ppm	0.4860 ppm	0.4812 ppm	0.4979 ppm	0.4795 ppm	0.5027 ppm
Concentration per Run	0.4810 ppm	5.2551 ppm	0.4818 ppm	0.4851 ppm	0.4920 ppm	0.4819 ppm	0.4996 ppm
Recovery Percentage	95.033 %	100.131 %	96.321 %	96.672 %	98.749 %	96.151 %	100.135 %
Concentration RSD	1.1 %	0.5 %	0.9 %	0.4 %	0.7 %	0.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4824 ppm	104.6488 %	105.2260 %	102.2382 %	102.1768 %	105.4837 %	101.3186 %
Concentration per Run	0.4808 ppm	105.5749 %	104.8666 %	102.6910 %	103.1971 %	105.2825 %	101.6110 %
Concentration per Run	0.4845 ppm	103.4989 %	104.8853 %	102.0769 %	100.9133 %	106.2074 %	101.2184 %
Concentration per Run	0.4819 ppm	104.8725 %	105.9262 %	101.9467 %	102.4198 %	104.9614 %	101.1262 %
Recovery Percentage	96.479 %	1.0 %	0.6 %	0.4 %	1.1 %	0.6 %	0.3 %
Concentration RSD	0.4 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 1:07:49 PM

Analysis started at: 9/12/2025 1:07:49 PM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0069 ppm	-0.0024 ppm	0.0032 ppm	-0.0003 ppm	-0.0001 ppm	-0.0014 ppm
Concentration per Run	0.0005 ppm	0.0101 ppm	-0.0032 ppm	0.0031 ppm	-0.0001 ppm	-0.0001 ppm	-0.0019 ppm
Concentration per Run	-0.0001 ppm	0.0063 ppm	-0.0030 ppm	0.0028 ppm	-0.0004 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run	0.0002 ppm	0.0043 ppm	-0.0010 ppm	0.0039 ppm	-0.0002 ppm	0.0000 ppm	-0.0031 ppm
Recovery Percentage	2.735 %	6.898 %	-47.932 %	10.771 %	-2.994 %	-1.442 %	-1.389 %
Concentration RSD	152.9 %	43.1 %	51.6 %	17.4 %	42.9 %	45.6 %	145.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0005 ppm	-0.0001 ppm	0.0006 ppm	0.0262 ppm	-0.0037 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0010 ppm	0.0407 ppm	-0.0032 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0008 ppm	0.0001 ppm	0.0013 ppm	0.0233 ppm	-0.0053 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	0.0003 ppm	-0.0004 ppm	-0.0006 ppm	0.0146 ppm	-0.0028 ppm
Recovery Percentage	-1.192 %	1.442 %	4.987 %	-1.170 %	1.112 %	1.047 %	-74.811 %
Concentration RSD	88.7 %	141.9 %	52.0 %	226.8 %	181.0 %	50.6 %	35.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0020 ppm	0.0001 ppm	-0.0001 ppm	-0.0101 ppm	0.0001 ppm	-0.0007 ppm	0.0038 ppm
Concentration per Run	-0.0012 ppm	0.0002 ppm	-0.0002 ppm	-0.0113 ppm	-0.0001 ppm	0.0007 ppm	0.0020 ppm
Concentration per Run	-0.0018 ppm	0.0001 ppm	-0.0002 ppm	-0.0082 ppm	0.0002 ppm	-0.0008 ppm	0.0048 ppm
Concentration per Run	-0.0029 ppm	0.0000 ppm	0.0001 ppm	-0.0108 ppm	0.0003 ppm	-0.0020 ppm	0.0045 ppm
Recovery Percentage	-1.955 %	0.923 %	-0.209 %	-0.504 %	0.514 %	-7.199 %	7.582 %
Concentration RSD	43.0 %	129.0 %	174.4 %	16.4 %	182.6 %	187.6 %	40.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	-0.0005 ppm	0.0000 ppm	-0.0001 ppm	-0.0007 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	-0.0014 ppm	-0.0009 ppm	-0.0001 ppm	-0.0001 ppm	-0.0006 ppm	0.0017 ppm	0.0003 ppm
Concentration per Run	0.0045 ppm	-0.0008 ppm	0.0001 ppm	-0.0002 ppm	-0.0008 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	-0.0045 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0007 ppm	0.0016 ppm	-0.0002 ppm
Recovery Percentage	-4.659 %	-0.110 %	-0.031 %	-1.381 %	-7.127 %	7.042 %	0.391 %
Concentration RSD	975.5 %	93.1 %	1,402.9 %	69.4 %	18.3 %	31.2 %	536.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0001 ppm	102.5525 %	104.0198 %	101.7748 %	102.8584 %	106.0745 %	102.2158 %
Concentration per Run	0.0000 ppm	102.5890 %	104.3241 %	101.9040 %	102.8154 %	107.0360 %	102.4075 %
Concentration per Run	-0.0002 ppm	102.1644 %	104.2577 %	101.7003 %	102.3738 %	105.8341 %	102.1929 %
Concentration per Run	-0.0001 ppm	102.9040 %	103.4775 %	101.7203 %	103.3858 %	105.3534 %	102.0471 %
Recovery Percentage	-2.021 %						
Concentration RSD	79.8 %	0.4 %	0.5 %	0.1 %	0.5 %	0.8 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555806-04 WG2111844

Analysis started at: 9/12/2025 1:17:16 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 46

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.2992 ppm	-0.0016 ppm	0.0319 ppm	0.0428 ppm	0.0000 ppm	29.3849 ppm
Concentration per Run	0.0007 ppm	0.2969 ppm	-0.0015 ppm	0.0315 ppm	0.0427 ppm	0.0000 ppm	29.5606 ppm
Concentration per Run	-0.0004 ppm	0.3031 ppm	-0.0039 ppm	0.0320 ppm	0.0426 ppm	0.0000 ppm	29.3506 ppm
Concentration per Run	0.0003 ppm	0.2974 ppm	0.0007 ppm	0.0324 ppm	0.0429 ppm	0.0000 ppm	29.2435 ppm
Concentration RSD	251.7 %	1.1 %	146.2 %	1.4 %	0.4 %	125.9 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0010 ppm	0.0007 ppm	0.0016 ppm	0.6535 ppm	3.3811 ppm	-0.0024 ppm
Concentration per Run	-0.0003 ppm	0.0010 ppm	0.0008 ppm	0.0016 ppm	0.6540 ppm	3.3862 ppm	-0.0003 ppm
Concentration per Run	-0.0004 ppm	0.0009 ppm	0.0007 ppm	0.0014 ppm	0.6495 ppm	3.3728 ppm	-0.0030 ppm
Concentration per Run	-0.0003 ppm	0.0011 ppm	0.0005 ppm	0.0018 ppm	0.6571 ppm	3.3842 ppm	-0.0040 ppm
Concentration RSD	15.9 %	10.6 %	18.5 %	12.9 %	0.6 %	0.2 %	79.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.6098 ppm	0.0659 ppm	0.0005 ppm	23.5143 ppm	0.0020 ppm	0.0004 ppm	0.0036 ppm
Concentration per Run	5.5936 ppm	0.0660 ppm	0.0006 ppm	23.3492 ppm	0.0015 ppm	0.0003 ppm	0.0054 ppm
Concentration per Run	5.8260 ppm	0.0658 ppm	0.0004 ppm	23.4824 ppm	0.0018 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run	5.6097 ppm	0.0657 ppm	0.0006 ppm	23.7314 ppm	0.0028 ppm	0.0010 ppm	0.0047 ppm
Concentration RSD	0.3 %	0.2 %	16.2 %	0.8 %	32.5 %	156.7 %	68.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	3.5579 ppm	-0.0013 ppm	0.1112 ppm	0.0135 ppm	0.0005 ppm	0.0017 ppm
Concentration per Run	0.0064 ppm	3.5607 ppm	-0.0009 ppm	0.1110 ppm	0.0136 ppm	-0.0007 ppm	0.0017 ppm
Concentration per Run	-0.0002 ppm	3.5546 ppm	-0.0010 ppm	0.1111 ppm	0.0136 ppm	0.0005 ppm	0.0019 ppm
Concentration per Run	0.0002 ppm	3.5585 ppm	-0.0020 ppm	0.1115 ppm	0.0134 ppm	0.0016 ppm	0.0015 ppm
Concentration RSD	171.2 %	0.1 %	48.0 %	0.2 %	0.9 %	247.2 %	11.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0045 ppm	105.6198 %	107.1406 %	103.3915 %	103.6856 %	106.8393 %	102.9864 %
Concentration per Run	0.0045 ppm	106.0661 %	107.6970 %	102.7240 %	104.1672 %	105.9300 %	102.5292 %
Concentration per Run	0.0044 ppm	105.4387 %	107.3965 %	104.1374 %	103.4825 %	106.6845 %	103.8721 %
Concentration per Run	0.0046 ppm	105.3546 %	106.3282 %	103.3130 %	103.4070 %	107.9035 %	102.5577 %
Concentration RSD	2.5 %	0.4 %	0.7 %	0.7 %	0.4 %	0.9 %	0.7 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555806-06 WG2111844

Analysis started at: 9/12/2025 1:19:27 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 47

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.1247 ppm	-0.0012 ppm	0.0314 ppm	0.0404 ppm	0.0000 ppm	29.1584 ppm
Concentration per Run	0.0000 ppm	0.1225 ppm	-0.0024 ppm	0.0318 ppm	0.0407 ppm	0.0000 ppm	29.2089 ppm
Concentration per Run	0.0000 ppm	0.1331 ppm	0.0008 ppm	0.0311 ppm	0.0403 ppm	-0.0001 ppm	29.0998 ppm
Concentration per Run	0.0004 ppm	0.1185 ppm	-0.0021 ppm	0.0314 ppm	0.0402 ppm	0.0000 ppm	29.1664 ppm
Concentration RSD	230.2 %	6.0 %	146.8 %	1.1 %	0.7 %	138.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0000 ppm	0.0007 ppm	0.0011 ppm	0.2904 ppm	3.3408 ppm	-0.0016 ppm
Concentration per Run	-0.0002 ppm	-0.0005 ppm	0.0009 ppm	0.0011 ppm	0.2916 ppm	3.3724 ppm	0.0006 ppm
Concentration per Run	-0.0004 ppm	-0.0001 ppm	0.0005 ppm	0.0013 ppm	0.2888 ppm	3.3195 ppm	-0.0039 ppm
Concentration per Run	-0.0003 ppm	0.0006 ppm	0.0008 ppm	0.0011 ppm	0.2909 ppm	3.3306 ppm	-0.0016 ppm
Concentration RSD	23.8 %	2.684.0 %	31.3 %	12.1 %	0.5 %	0.8 %	139.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.5735 ppm	0.0519 ppm	0.0006 ppm	23.3254 ppm	0.0006 ppm	0.0000 ppm	0.0043 ppm
Concentration per Run	5.5563 ppm	0.0519 ppm	0.0007 ppm	23.3285 ppm	0.0004 ppm	0.0001 ppm	0.0031 ppm
Concentration per Run	5.5848 ppm	0.0520 ppm	0.0001 ppm	23.2137 ppm	0.0003 ppm	-0.0003 ppm	0.0059 ppm
Concentration per Run	5.5793 ppm	0.0517 ppm	0.0008 ppm	23.4342 ppm	0.0012 ppm	0.0002 ppm	0.0039 ppm
Concentration RSD	0.3 %	0.3 %	71.8 %	0.5 %	79.6 %	101.611.5 %	33.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	3.2936 ppm	-0.0006 ppm	0.1113 ppm	0.0041 ppm	0.0012 ppm	0.0013 ppm
Concentration per Run	0.0006 ppm	3.2847 ppm	-0.0010 ppm	0.1115 ppm	0.0040 ppm	0.0017 ppm	0.0009 ppm
Concentration per Run	0.0036 ppm	3.2945 ppm	0.0002 ppm	0.1110 ppm	0.0042 ppm	0.0003 ppm	0.0014 ppm
Concentration per Run	-0.0015 ppm	3.3017 ppm	-0.0009 ppm	0.1112 ppm	0.0040 ppm	0.0014 ppm	0.0014 ppm
Concentration RSD	290.5 %	0.3 %	121.5 %	0.2 %	2.3 %	63.7 %	23.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0019 ppm	105.6412 %	107.4459 %	102.8302 %	103.6351 %	107.1155 %	102.5617 %
Concentration per Run	0.0017 ppm	106.3393 %	106.8041 %	103.8704 %	104.5349 %	106.1581 %	103.5511 %
Concentration per Run	0.0021 ppm	104.9617 %	107.4360 %	101.9066 %	102.8206 %	106.6453 %	101.8563 %
Concentration per Run	0.0018 ppm	105.6226 %	108.0977 %	102.7137 %	103.5499 %	108.5430 %	102.2777 %
Concentration RSD	11.9 %	0.7 %	0.6 %	1.0 %	0.8 %	1.2 %	0.9 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555806-07 WG2111844

Analysis started at: 9/12/2025 1:21:32 PM

Comment: <Comment>

Rack Number: 1

Vial Numbers: 48

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.2471 ppm	-0.0029 ppm	0.0341 ppm	0.0511 ppm	0.0000 ppm	26.5876 ppm
Concentration per Run	-0.0001 ppm	0.2486 ppm	-0.0027 ppm	0.0340 ppm	0.0510 ppm	0.0000 ppm	26.6445 ppm
Concentration per Run	-0.0001 ppm	0.2528 ppm	-0.0039 ppm	0.0335 ppm	0.0510 ppm	0.0000 ppm	26.5256 ppm
Concentration per Run	-0.0003 ppm	0.2398 ppm	-0.0020 ppm	0.0346 ppm	0.0513 ppm	0.0000 ppm	26.5927 ppm
Concentration RSD	83.1 %	2.7 %	34.6 %	1.6 %	0.3 %	308.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0008 ppm	0.0009 ppm	0.0023 ppm	1.0394 ppm	3.1641 ppm	-0.0042 ppm
Concentration per Run	-0.0003 ppm	0.0010 ppm	0.0010 ppm	0.0022 ppm	1.0399 ppm	3.1646 ppm	-0.0044 ppm
Concentration per Run	-0.0002 ppm	0.0007 ppm	0.0010 ppm	0.0021 ppm	1.0321 ppm	3.1739 ppm	-0.0060 ppm
Concentration per Run	-0.0002 ppm	0.0008 ppm	0.0008 ppm	0.0025 ppm	1.0460 ppm	3.1537 ppm	-0.0023 ppm
Concentration RSD	14.8 %	18.8 %	16.2 %	9.1 %	0.7 %	0.3 %	43.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.4459 ppm	0.0549 ppm	-0.0004 ppm	21.0950 ppm	0.0012 ppm	0.0009 ppm	0.0032 ppm
Concentration per Run	5.4492 ppm	0.0551 ppm	-0.0005 ppm	21.0672 ppm	0.0016 ppm	0.0008 ppm	0.0011 ppm
Concentration per Run	5.4723 ppm	0.0546 ppm	-0.0002 ppm	21.2464 ppm	0.0012 ppm	0.0005 ppm	0.0023 ppm
Concentration per Run	5.4161 ppm	0.0550 ppm	-0.0003 ppm	20.9715 ppm	0.0007 ppm	0.0014 ppm	0.0062 ppm
Concentration RSD	0.5 %	0.5 %	39.4 %	0.7 %	39.2 %	54.1 %	84.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	4.6033 ppm	-0.0010 ppm	0.1095 ppm	0.0099 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run	-0.0011 ppm	4.6050 ppm	-0.0001 ppm	0.1094 ppm	0.0095 ppm	-0.0002 ppm	0.0015 ppm
Concentration per Run	-0.0004 ppm	4.6039 ppm	-0.0012 ppm	0.1095 ppm	0.0099 ppm	0.0006 ppm	0.0014 ppm
Concentration per Run	0.0016 ppm	4.6011 ppm	-0.0017 ppm	0.1096 ppm	0.0102 ppm	-0.0003 ppm	0.0014 ppm
Concentration RSD	4.617.1 %	0.0 %	77.8 %	0.1 %	3.5 %	1.364.1 %	2.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0035 ppm	106.2081 %	107.2137 %	103.3540 %	104.3019 %	106.6698 %	102.9495 %
Concentration per Run	0.0034 ppm	106.1492 %	107.3827 %	103.8211 %	104.1689 %	106.1770 %	103.5580 %
Concentration per Run	0.0038 ppm	105.7772 %	106.3587 %	103.4533 %	103.9064 %	106.9618 %	103.0555 %
Concentration per Run	0.0034 ppm	106.6980 %	107.8995 %	102.7876 %	104.8305 %	106.8704 %	102.2349 %
Concentration RSD	6.5 %	0.4 %	0.7 %	0.5 %	0.5 %	0.4 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 1:23:39 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4900 ppm	0.4724 ppm	0.4733 ppm	0.4698 ppm	0.4793 ppm	0.4855 ppm	0.4794 ppm
Concentration per Run	0.4918 ppm	0.4768 ppm	0.4762 ppm	0.4688 ppm	0.4790 ppm	0.4862 ppm	0.4726 ppm
Concentration per Run	0.4910 ppm	0.4693 ppm	0.4702 ppm	0.4710 ppm	0.4801 ppm	0.4846 ppm	0.4803 ppm
Concentration per Run	0.4873 ppm	0.4711 ppm	0.4734 ppm	0.4695 ppm	0.4788 ppm	0.4858 ppm	0.4853 ppm
Recovery Percentage	98.007 %	94.485 %	94.656 %	93.958 %	95.856 %	97.107 %	95.882 %
Concentration RSD	0.5 %	0.8 %	0.6 %	0.2 %	0.1 %	0.2 %	1.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.4988 ppm	0.4974 ppm	0.4945 ppm	0.5069 ppm	0.4794 ppm	5.0112 ppm	0.4769 ppm
Concentration per Run	0.4983 ppm	0.4970 ppm	0.4938 ppm	0.5061 ppm	0.4838 ppm	5.0155 ppm	0.4833 ppm
Concentration per Run	0.5003 ppm	0.4980 ppm	0.4960 ppm	0.5083 ppm	0.4786 ppm	5.0313 ppm	0.4774 ppm
Concentration per Run	0.4972 ppm	0.4972 ppm	0.4937 ppm	0.5063 ppm	0.4758 ppm	4.9867 ppm	0.4759 ppm
Recovery Percentage	99.754 %	99.488 %	98.903 %	101.384 %	95.881 %	100.223 %	95.378 %
Concentration RSD	0.3 %	0.1 %	0.3 %	0.2 %	0.8 %	0.5 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5050 ppm	0.4908 ppm	0.4752 ppm	10.0086 ppm	0.5022 ppm	0.4992 ppm	0.5035 ppm
Concentration per Run	0.5092 ppm	0.4907 ppm	0.4746 ppm	9.9668 ppm	0.4995 ppm	0.4991 ppm	0.5014 ppm
Concentration per Run	0.5071 ppm	0.4920 ppm	0.4772 ppm	10.0233 ppm	0.5048 ppm	0.4989 ppm	0.5098 ppm
Concentration per Run	0.4986 ppm	0.4897 ppm	0.4738 ppm	10.0356 ppm	0.5021 ppm	0.4997 ppm	0.4994 ppm
Recovery Percentage	100.997 %	98.163 %	95.044 %	100.086 %	100.433 %	99.848 %	100.700 %
Concentration RSD	1.1 %	0.2 %	0.4 %	0.4 %	0.5 %	0.1 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4765 ppm	5.2465 ppm	0.4792 ppm	0.4828 ppm	0.4917 ppm	0.4836 ppm	0.4998 ppm
Concentration per Run	0.4766 ppm	5.2400 ppm	0.4780 ppm	0.4825 ppm	0.4946 ppm	0.4835 ppm	0.4989 ppm
Concentration per Run	0.4760 ppm	5.2693 ppm	0.4779 ppm	0.4821 ppm	0.4931 ppm	0.4827 ppm	0.5018 ppm
Concentration per Run	0.4771 ppm	5.2305 ppm	0.4816 ppm	0.4839 ppm	0.4873 ppm	0.4845 ppm	0.4987 ppm
Recovery Percentage	95.314 %	99.935 %	95.839 %	96.568 %	98.341 %	96.719 %	99.959 %
Concentration RSD	0.1 %	0.4 %	0.4 %	0.2 %	0.8 %	0.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4786 ppm	105.1110 ppm	105.6772 %	102.4339 %	103.2957 %	104.8570 %	101.5551 %
Concentration per Run	0.4767 ppm	105.7662 %	106.3937 %	101.9521 %	103.8134 %	105.8542 %	100.9891 %
Concentration per Run	0.4817 ppm	104.6900 %	105.1454 %	102.8120 %	103.1795 %	103.6303 %	101.9806 %
Concentration per Run	0.4774 ppm	104.8767 %	105.4927 %	102.5377 %	102.8940 %	105.0865 %	101.6956 %
Recovery Percentage	95.723 %						
Concentration RSD	0.6 %	0.5 %	0.6 %	0.4 %	0.5 %	1.1 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 1:25:44 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0066 ppm	-0.0034 ppm	0.0018 ppm	-0.0004 ppm	-0.0001 ppm	-0.0035 ppm
Concentration per Run	-0.0002 ppm	-0.0017 ppm	-0.0039 ppm	0.0017 ppm	-0.0001 ppm	-0.0001 ppm	-0.0031 ppm
Concentration per Run	-0.0002 ppm	0.0094 ppm	-0.0029 ppm	0.0012 ppm	-0.0004 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run	0.0001 ppm	0.0122 ppm	-0.0033 ppm	0.0024 ppm	-0.0003 ppm	0.0000 ppm	-0.0032 ppm
Recovery Percentage	-1.478 %	6.639 %	-67.336 %	5.882 %	-3.744 %	-1.363 %	-3.461 %
Concentration RSD	148.8 %	111.0 %	15.4 %	32.7 %	20.5 %	46.6 %	14.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0005 ppm	0.0005 ppm	-0.0001 ppm	0.0010 ppm	0.0037 ppm	-0.0047 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0130 ppm	-0.0036 ppm
Concentration per Run	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0009 ppm	-0.0052 ppm	-0.0054 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0003 ppm	-0.0005 ppm	0.0013 ppm	0.0034 ppm	-0.0050 ppm
Recovery Percentage	-0.691 %	2.310 %	2.133 %	-1.466 %	2.006 %	0.149 %	-93.791 %
Concentration RSD	302.9 %	62.5 %	123.7 %	219.2 %	27.6 %	245.9 %	20.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0111 ppm	0.0000 ppm	-0.0002 ppm	0.0063 ppm
Concentration per Run	-0.0005 ppm	0.0001 ppm	0.0001 ppm	-0.0131 ppm	0.0001 ppm	-0.0016 ppm	0.0057 ppm
Concentration per Run	-0.0009 ppm	-0.0001 ppm	0.0001 ppm	-0.0085 ppm	0.0011 ppm	-0.0004 ppm	0.0070 ppm
Concentration per Run	0.0012 ppm	0.0002 ppm	-0.0001 ppm	-0.0117 ppm	0.0011 ppm	0.0012 ppm	0.0061 ppm
Recovery Percentage	-0.052 %	0.483 %	0.070 %	-0.554 %	0.144 %	-2.420 %	12.506 %
Concentration RSD	2,193.0 %	353.8 %	243.4 %	21.0 %	2,993.3 %	575.8 %	10.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0012 ppm	0.0003 ppm	0.0010 ppm	-0.0001 ppm	-0.0009 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run	0.0025 ppm	-0.0008 ppm	0.0007 ppm	-0.0002 ppm	0.0012 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run	-0.0008 ppm	0.0015 ppm	0.0014 ppm	0.0001 ppm	-0.0007 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run	0.0019 ppm	0.0002 ppm	0.0008 ppm	-0.0001 ppm	-0.0008 ppm	0.0011 ppm	0.0001 ppm
Recovery Percentage	12.166 %	0.065 %	1.945 %	-0.793 %	-9.232 %	2.128 %	2.014 %
Concentration RSD	148.1 %	345.9 %	37.5 %	150.7 %	25.7 %	186.1 %	81.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	103.7052 %	104.3184 %	102.4823 %	104.2744 %	105.8847 %	102.7410 %
Concentration per Run	0.0002 ppm	102.8760 %	104.1186 %	101.8745 %	103.7425 %	106.0143 %	102.0555 %
Concentration per Run	0.0000 ppm	103.7447 %	105.2666 %	102.8234 %	104.2448 %	106.1727 %	102.7867 %
Concentration per Run	-0.0001 ppm	104.4948 %	103.5702 %	102.7491 %	104.8360 %	105.4670 %	103.3808 %
Recovery Percentage	0.508 %						
Concentration RSD	641.2 %	0.8 %	0.8 %	0.5 %	0.5 %	0.3 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-01d5 WG2109822

Analysis started at: 9/12/2025 1:41:41 PM

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Rack Number 1

Vial Numbers 49

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0247 ppm	0.0018 ppm	0.0035 ppm	0.0032 ppm	0.0000 ppm	11.1440 ppm
Concentration per Run	-0.0001 ppm	0.0209 ppm	0.0029 ppm	0.0032 ppm	0.0031 ppm	-0.0001 ppm	11.1915 ppm
Concentration per Run	-0.0002 ppm	0.0349 ppm	0.0002 ppm	0.0026 ppm	0.0031 ppm	0.0000 ppm	11.1239 ppm
Concentration per Run	0.0002 ppm	0.0182 ppm	0.0024 ppm	0.0046 ppm	0.0033 ppm	0.0000 ppm	11.1165 ppm
Concentration RSD	1.056.7 %	36.3 %	78.1 %	29.4 %	2.2 %	111.8 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0006 ppm	0.0010 ppm	0.0003 ppm	0.0092 ppm	403.2932 ppm	0.1193 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0011 ppm	0.0003 ppm	0.0094 ppm	400.6105 ppm	0.1176 ppm
Concentration per Run	-0.0002 ppm	0.0007 ppm	0.0010 ppm	0.0002 ppm	0.0089 ppm	404.0242 ppm	0.1198 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0006 ppm	0.0094 ppm	405.2449 ppm	0.1206 ppm
Concentration RSD	59.3 %	17.3 %	13.6 %	65.9 %	3.0 %	0.6 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1224 ppm	0.0006 ppm	0.0232 ppm	56.6087 ppm	0.0103 ppm	-0.0006 ppm	0.0024 ppm
Concentration per Run	0.1243 ppm	0.0004 ppm	0.0234 ppm	55.8750 ppm	0.0110 ppm	-0.0003 ppm	-0.0030 ppm
Concentration per Run	0.1193 ppm	0.0008 ppm	0.0230 ppm	57.1502 ppm	0.0102 ppm	-0.0010 ppm	0.0065 ppm
Concentration per Run	0.1236 ppm	0.0004 ppm	0.0233 ppm	56.8010 ppm	0.0096 ppm	-0.0011 ppm	0.0037 ppm
Concentration RSD	2.2 %	45.2 %	0.9 %	1.2 %	6.7 %	124.0 %	200.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0046 ppm	1.3385 ppm	-0.0003 ppm	0.2913 ppm	-0.0008 ppm	0.0007 ppm	0.0041 ppm
Concentration per Run	0.0075 ppm	1.3362 ppm	-0.0005 ppm	0.2899 ppm	-0.0011 ppm	0.0000 ppm	0.0041 ppm
Concentration per Run	0.0075 ppm	1.3404 ppm	0.0005 ppm	0.2916 ppm	-0.0006 ppm	0.0016 ppm	0.0039 ppm
Concentration per Run	-0.0012 ppm	1.3389 ppm	-0.0011 ppm	0.2923 ppm	-0.0006 ppm	0.0006 ppm	0.0042 ppm
Concentration RSD	110.1 %	0.2 %	232.6 %	0.4 %	38.6 %	106.0 %	3.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	100.3123 %	106.3131 %	95.5571 %	98.0756 %	104.0460 %	97.7652 %
Concentration per Run	0.0002 ppm	100.1567 %	106.1313 %	95.3827 %	97.9098 %	101.5267 %	97.6971 %
Concentration per Run	0.0002 ppm	101.0090 %	106.5665 %	95.6236 %	99.0587 %	105.8248 %	97.5703 %
Concentration per Run	0.0002 ppm	99.7711 %	106.2413 %	95.6650 %	97.2584 %	104.7866 %	98.0281 %
Concentration RSD	18.3 %	0.6 %	0.2 %	0.2 %	0.9 %	2.2 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-03d5 WG2109822

Analysis started at: 9/12/2025 1:43:57 PM

Comment <Comment>

Rack Number 1

Vial Numbers 50

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	0.0183 ppm	-0.0012 ppm	0.0007 ppm	0.0050 ppm	0.0000 ppm	17.6315 ppm
Concentration per Run	0.0009 ppm	0.0189 ppm	-0.0009 ppm	0.0007 ppm	0.0049 ppm	-0.0001 ppm	17.7209 ppm
Concentration per Run	0.0000 ppm	0.0221 ppm	0.0008 ppm	0.0009 ppm	0.0050 ppm	0.0000 ppm	17.5964 ppm
Concentration per Run	0.0003 ppm	0.0139 ppm	-0.0034 ppm	0.0003 ppm	0.0049 ppm	0.0000 ppm	17.5773 ppm
Concentration RSD	119.6 %	22.6 %	182.4 %	50.0 %	1.0 %	76.1 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0002 ppm	0.0021 ppm	315.7266 ppm	0.1453 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0004 ppm	0.0025 ppm	313.8227 ppm	0.1471 ppm
Concentration per Run	-0.0002 ppm	0.0004 ppm	-0.0004 ppm	0.0002 ppm	0.0014 ppm	316.4056 ppm	0.1457 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0025 ppm	316.9515 ppm	0.1430 ppm
Concentration RSD	30.8 %	50.8 %	391.6 %	94.4 %	29.7 %	0.5 %	1.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0125 ppm	0.0001 ppm	0.0135 ppm	39.9644 ppm	0.0048 ppm	0.0005 ppm	0.0043 ppm
Concentration per Run	0.0123 ppm	0.0000 ppm	0.0135 ppm	39.9035 ppm	0.0041 ppm	-0.0005 ppm	0.0052 ppm
Concentration per Run	0.0124 ppm	0.0002 ppm	0.0140 ppm	40.1556 ppm	0.0056 ppm	0.0003 ppm	0.0061 ppm
Concentration per Run	0.0128 ppm	0.0001 ppm	0.0131 ppm	39.8343 ppm	0.0048 ppm	0.0016 ppm	0.0018 ppm
Concentration RSD	2.3 %	87.7 %	3.0 %	0.4 %	15.0 %	229.0 %	52.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	0.4451 ppm	0.0002 ppm	0.4374 ppm	-0.0008 ppm	0.0009 ppm	0.0011 ppm
Concentration per Run	0.0033 ppm	0.4454 ppm	0.0004 ppm	0.4383 ppm	-0.0008 ppm	0.0004 ppm	0.0010 ppm
Concentration per Run	0.0028 ppm	0.4423 ppm	-0.0012 ppm	0.4374 ppm	-0.0011 ppm	0.0010 ppm	0.0010 ppm
Concentration per Run	0.0028 ppm	0.4476 ppm	0.0014 ppm	0.4367 ppm	-0.0004 ppm	0.0012 ppm	0.0012 ppm
Concentration RSD	9.3 %	0.6 %	693.6 %	0.2 %	44.2 %	48.7 %	12.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	99.6798 %	105.0142 %	95.6299 %	97.4831 %	104.5930 %	97.3076 %
Concentration per Run	0.0006 ppm	99.3989 %	105.5773 %	95.8688 %	97.4676 %	104.5379 %	97.7175 %
Concentration per Run	0.0003 ppm	99.5375 %	104.6970 %	95.7923 %	97.0244 %	105.1266 %	97.1989 %
Concentration per Run	0.0006 ppm	100.1031 %	104.7683 %	95.2286 %	97.9573 %	104.1145 %	97.0064 %
Concentration RSD	38.0 %	0.4 %	0.5 %	0.4 %	0.5 %	0.5 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-04d2 WG2109822

Analysis started at: 9/12/2025 1:46:02 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 51

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0339 ppm	-0.0008 ppm	0.0037 ppm	0.0112 ppm	0.0000 ppm	61.7039 ppm
Concentration per Run	0.0006 ppm	0.0329 ppm	-0.0006 ppm	0.0032 ppm	0.0112 ppm	0.0000 ppm	61.6884 ppm
Concentration per Run	-0.0003 ppm	0.0342 ppm	-0.0006 ppm	0.0035 ppm	0.0112 ppm	0.0000 ppm	61.5161 ppm
Concentration per Run	0.0002 ppm	0.0345 ppm	-0.0010 ppm	0.0045 ppm	0.0112 ppm	0.0000 ppm	61.9071 ppm
Concentration RSD	318.9 %	2.6 %	29.3 %	18.7 %	0.4 %	8.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0007 ppm	0.0007 ppm	0.0008 ppm	0.0004 ppm	0.0053 ppm	341.1597 ppm	0.1784 ppm
Concentration per Run	-0.0007 ppm	0.0007 ppm	0.0008 ppm	0.0003 ppm	0.0057 ppm	338.6722 ppm	0.1790 ppm
Concentration per Run	-0.0007 ppm	0.0011 ppm	0.0003 ppm	0.0002 ppm	0.0054 ppm	341.1585 ppm	0.1764 ppm
Concentration per Run	-0.0008 ppm	0.0004 ppm	0.0016 ppm	0.0008 ppm	0.0049 ppm	343.6485 ppm	0.1799 ppm
Concentration RSD	8.3 %	50.7 %	78.2 %	79.9 %	7.9 %	0.7 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0053 ppm	0.0001 ppm	0.0124 ppm	43.4020 ppm	0.0013 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0068 ppm	-0.0001 ppm	0.0120 ppm	43.2490 ppm	0.0009 ppm	0.0019 ppm	0.0019 ppm
Concentration per Run	0.0045 ppm	0.0000 ppm	0.0127 ppm	43.4703 ppm	0.0012 ppm	0.0017 ppm	0.0026 ppm
Concentration per Run	0.0047 ppm	0.0003 ppm	0.0125 ppm	43.4866 ppm	0.0017 ppm	-0.0002 ppm	-0.0049 ppm
Concentration RSD	23.9 %	290.7 %	2.6 %	0.3 %	31.4 %	122.8 %	2,975.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0040 ppm	1.0004 ppm	0.0010 ppm	1.0587 ppm	-0.0007 ppm	0.0015 ppm	0.0006 ppm
Concentration per Run	0.0041 ppm	1.0029 ppm	0.0011 ppm	1.0568 ppm	-0.0008 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	0.0033 ppm	1.0009 ppm	0.0003 ppm	1.0577 ppm	-0.0004 ppm	0.0015 ppm	0.0008 ppm
Concentration per Run	0.0045 ppm	0.9975 ppm	0.0017 ppm	1.0615 ppm	-0.0008 ppm	0.0023 ppm	0.0004 ppm
Concentration RSD	15.0 %	0.3 %	65.5 %	0.2 %	30.2 %	52.1 %	37.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	100.1481 %	105.8063 %	95.5547 %	97.6435 %	105.2813 %	97.7596 %
Concentration per Run	0.0004 ppm	99.2114 %	105.7296 %	95.7783 %	96.9432 %	104.9394 %	97.9117 %
Concentration per Run	0.0005 ppm	100.0845 %	106.2858 %	95.3553 %	97.5293 %	106.3858 %	97.7704 %
Concentration per Run	0.0006 ppm	101.1486 %	105.4035 %	95.5305 %	98.4580 %	104.5187 %	97.5967 %
Concentration RSD	18.0 %	1.0 %	0.4 %	0.2 %	0.8 %	0.9 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-06d2 WG2109822

Analysis started at: 9/12/2025 1:48:07 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 52

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0102 ppm	0.0003 ppm	0.0015 ppm	0.0103 ppm	-0.0001 ppm	19.9633 ppm
Concentration per Run	0.0006 ppm	0.0098 ppm	0.0015 ppm	0.0032 ppm	0.0104 ppm	-0.0001 ppm	19.9690 ppm
Concentration per Run	-0.0003 ppm	0.0126 ppm	0.0001 ppm	0.0011 ppm	0.0102 ppm	0.0000 ppm	19.8353 ppm
Concentration per Run	0.0000 ppm	0.0083 ppm	-0.0008 ppm	0.0002 ppm	0.0102 ppm	-0.0001 ppm	20.0856 ppm
Concentration RSD	436.9 %	21.3 %	419.3 %	99.6 %	1.3 %	48.6 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0047 ppm	84.3532 ppm	0.0114 ppm
Concentration per Run	-0.0003 ppm	-0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0040 ppm	83.9502 ppm	0.0103 ppm
Concentration per Run	-0.0002 ppm	0.0004 ppm	-0.0001 ppm	-0.0001 ppm	0.0062 ppm	84.3740 ppm	0.0121 ppm
Concentration per Run	-0.0003 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm	0.0040 ppm	84.7352 ppm	0.0119 ppm
Concentration RSD	16.2 %	125.0 %	226.7 %	706.3 %	27.7 %	0.5 %	8.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1425 ppm	0.0001 ppm	0.0029 ppm	24.3868 ppm	0.0109 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run	0.1432 ppm	0.0002 ppm	0.0030 ppm	24.2338 ppm	0.0107 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run	0.1443 ppm	0.0002 ppm	0.0026 ppm	24.5834 ppm	0.0110 ppm	-0.0004 ppm	0.0021 ppm
Concentration per Run	0.1399 ppm	0.0001 ppm	0.0032 ppm	24.3431 ppm	0.0108 ppm	-0.0002 ppm	0.0056 ppm
Concentration RSD	1.6 %	29.0 %	10.3 %	0.7 %	1.3 %	346.0 %	100.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0011 ppm	0.0740 ppm	-0.0007 ppm	0.1961 ppm	-0.0008 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run	0.0020 ppm	0.0780 ppm	-0.0019 ppm	0.1960 ppm	-0.0004 ppm	0.0019 ppm	0.0003 ppm
Concentration per Run	0.0014 ppm	0.0729 ppm	-0.0018 ppm	0.1962 ppm	-0.0009 ppm	0.0009 ppm	0.0004 ppm
Concentration per Run	-0.0002 ppm	0.0709 ppm	0.0015 ppm	0.1959 ppm	-0.0012 ppm	0.0002 ppm	0.0000 ppm
Concentration RSD	104.8 %	5.0 %	270.8 %	0.1 %	51.8 %	81.6 %	106.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0004 ppm	104.3416 %	106.3880 %	101.3890 %	101.7716 %	105.6604 %	101.3727 %
Concentration per Run	0.0004 ppm	104.6328 %	107.1452 %	101.3727 %	102.4771 %	105.5624 %	101.5457 %
Concentration per Run	0.0007 ppm	104.0283 %	105.7529 %	101.0093 %	101.1319 %	106.3985 %	100.9839 %
Concentration per Run	0.0003 ppm	104.3636 %	106.2658 %	101.7849 %	101.7058 %	105.0203 %	101.5887 %
Concentration RSD	42.8 %	0.3 %	0.7 %	0.4 %	0.7 %	0.7 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-07d20 WG2109822

Analysis started at: 9/12/2025 1:50:12 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 53

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0049 ppm	-0.0017 ppm	0.0008 ppm	0.0009 ppm	-0.0001 ppm	2.4973 ppm
Concentration per Run	0.0006 ppm	0.0074 ppm	-0.0006 ppm	0.0019 ppm	0.0009 ppm	0.0000 ppm	2.5003 ppm
Concentration per Run	0.0005 ppm	0.0046 ppm	-0.0023 ppm	-0.0006 ppm	0.0008 ppm	-0.0001 ppm	2.4993 ppm
Concentration per Run	0.0000 ppm	0.0027 ppm	-0.0023 ppm	0.0010 ppm	0.0011 ppm	-0.0001 ppm	2.4922 ppm
Concentration RSD	93.5 %	47.7 %	55.3 %	165.0 %	16.2 %	42.9 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0022 ppm	35.0290 ppm	0.0084 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0013 ppm	0.0002 ppm	0.0002 ppm	34.9030 ppm	0.0107 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	-0.0006 ppm	0.0002 ppm	0.0031 ppm	35.0829 ppm	0.0055 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0003 ppm	-0.0001 ppm	0.0011 ppm	35.1012 ppm	0.0091 ppm
Concentration RSD	2.168.0 %	281.3 %	1.522.2 %	162.6 %	45.4 %	0.3 %	31.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0003 ppm	0.0000 ppm	0.0012 ppm	5.0673 ppm	0.0001 ppm	-0.0002 ppm	0.0018 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0013 ppm	5.0723 ppm	-0.0007 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0010 ppm	5.0649 ppm	0.0005 ppm	-0.0005 ppm	0.0011 ppm
Concentration per Run	0.0008 ppm	0.0000 ppm	0.0014 ppm	5.0648 ppm	0.0005 ppm	-0.0001 ppm	0.0055 ppm
Concentration RSD	148.4 %	71.8 %	16.0 %	0.1 %	607.1 %	124.4 %	185.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	0.2771 ppm	-0.0005 ppm	0.0413 ppm	-0.0007 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0008 ppm	0.2742 ppm	0.0000 ppm	0.0415 ppm	-0.0009 ppm	0.0018 ppm	-0.0001 ppm
Concentration per Run	0.0023 ppm	0.2738 ppm	-0.0006 ppm	0.0413 ppm	-0.0005 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.2832 ppm	-0.0009 ppm	0.0413 ppm	-0.0008 ppm	0.0002 ppm	0.0004 ppm
Concentration RSD	110.2 %	1.9 %	93.6 %	0.3 %	28.2 %	97.1 %	350.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	105.1068 %	106.5201 %	103.0744 %	102.5761 %	105.5157 %	101.7321 %
Concentration per Run	0.0001 ppm	105.3147 %	106.2505 %	102.7616 %	102.8436 %	105.2615 %	101.2307 %
Concentration per Run	0.0002 ppm	106.0971 %	106.6686 %	102.6810 %	103.3236 %	105.6886 %	101.7733 %
Concentration per Run	0.0002 ppm	103.9085 %	106.6413 %	103.7804 %	101.5610 %	105.5971 %	102.1925 %
Concentration RSD	46.0 %	1.1 %	0.2 %	0.6 %	0.9 %	0.2 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-08d2 WG2109822

Analysis started at: 9/12/2025 1:52:17 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 54

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0115 ppm	0.0055 ppm	0.0420 ppm	0.0021 ppm	-0.0001 ppm	0.9373 ppm
Concentration per Run	0.0006 ppm	0.0114 ppm	0.0041 ppm	0.0422 ppm	0.0021 ppm	-0.0001 ppm	0.9353 ppm
Concentration per Run	0.0000 ppm	0.0246 ppm	0.0058 ppm	0.0419 ppm	0.0022 ppm	-0.0001 ppm	0.9349 ppm
Concentration per Run	0.0001 ppm	-0.0016 ppm	0.0065 ppm	0.0420 ppm	0.0021 ppm	0.0000 ppm	0.9418 ppm
Concentration RSD	170.9 %	114.0 %	22.8 %	0.3 %	1.9 %	40.5 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0004 ppm	0.0802 ppm	0.0020 ppm	0.8508 ppm	359.7478 ppm	0.0449 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0803 ppm	0.0019 ppm	0.8502 ppm	357.2651 ppm	0.0453 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	0.0803 ppm	0.0017 ppm	0.8467 ppm	361.5866 ppm	0.0447 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0799 ppm	0.0025 ppm	0.8554 ppm	360.3918 ppm	0.0447 ppm
Concentration RSD	492.9 %	77.2 %	0.3 %	18.5 %	0.5 %	0.6 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0870 ppm	0.0103 ppm	0.0286 ppm	52.3179 ppm	0.0147 ppm	-0.0004 ppm	0.0044 ppm
Concentration per Run	0.0877 ppm	0.0105 ppm	0.0291 ppm	52.3698 ppm	0.0144 ppm	-0.0005 ppm	0.0037 ppm
Concentration per Run	0.0887 ppm	0.0103 ppm	0.0283 ppm	52.3895 ppm	0.0158 ppm	-0.0002 ppm	0.0043 ppm
Concentration per Run	0.0847 ppm	0.0103 ppm	0.0283 ppm	52.1943 ppm	0.0140 ppm	-0.0006 ppm	0.0053 ppm
Concentration RSD	2.4 %	1.1 %	1.5 %	0.2 %	6.6 %	55.5 %	17.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	1.1185 ppm	-0.0004 ppm	0.1015 ppm	-0.0009 ppm	0.0022 ppm	0.0030 ppm
Concentration per Run	0.0071 ppm	1.1246 ppm	0.0002 ppm	0.1016 ppm	-0.0006 ppm	0.0028 ppm	0.0031 ppm
Concentration per Run	-0.0005 ppm	1.1149 ppm	-0.0003 ppm	0.1014 ppm	-0.0011 ppm	0.0018 ppm	0.0031 ppm
Concentration per Run	0.0035 ppm	1.1162 ppm	-0.0009 ppm	0.1016 ppm	-0.0008 ppm	0.0019 ppm	0.0029 ppm
Concentration RSD	111.1 %	0.5 %	152.9 %	0.1 %	27.4 %	25.2 %	4.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	101.7707 %	107.1479 %	97.3567 %	99.2891 %	106.2417 %	99.4165 %
Concentration per Run	0.0000 ppm	102.1705 %	108.0283 %	97.5651 %	99.5331 %	107.8595 %	99.4782 %
Concentration per Run	0.0005 ppm	101.3051 %	105.9556 %	97.4600 %	99.1279 %	104.9968 %	99.5156 %
Concentration per Run	0.0004 ppm	101.8364 %	107.4599 %	97.0449 %	99.2062 %	105.8687 %	99.2559 %
Concentration RSD	94.7 %	0.4 %	1.0 %	0.3 %	0.2 %	1.4 %	0.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-09d5 WG2109822

Analysis started at: 9/12/2025 1:54:22 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 55

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0208 ppm	0.0020 ppm	0.0085 ppm	0.0019 ppm	0.0000 ppm	1.2032 ppm
Concentration per Run	0.0000 ppm	0.0193 ppm	0.0027 ppm	0.0088 ppm	0.0020 ppm	0.0000 ppm	1.2024 ppm
Concentration per Run	0.0001 ppm	0.0310 ppm	0.0011 ppm	0.0079 ppm	0.0020 ppm	0.0000 ppm	1.2080 ppm
Concentration per Run	0.0003 ppm	0.0122 ppm	0.0020 ppm	0.0088 ppm	0.0018 ppm	0.0000 ppm	1.1990 ppm
Concentration RSD	143.7 %	45.6 %	42.2 %	5.9 %	5.4 %	125.1 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0004 ppm	0.0037 ppm	178.7878 ppm	0.0185 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0040 ppm	177.8046 ppm	0.0192 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0046 ppm	179.4697 ppm	0.0192 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0009 ppm	0.0004 ppm	0.0026 ppm	179.0892 ppm	0.0170 ppm
Concentration RSD	608.2 %	80.0 %	46.8 %	21.4 %	27.2 %	0.5 %	7.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.3145 ppm	0.0007 ppm	0.0125 ppm	36.5008 ppm	0.0069 ppm	-0.0001 ppm	0.0037 ppm
Concentration per Run	0.3113 ppm	0.0008 ppm	0.0125 ppm	36.5743 ppm	0.0076 ppm	0.0001 ppm	0.0041 ppm
Concentration per Run	0.3143 ppm	0.0007 ppm	0.0126 ppm	36.8323 ppm	0.0065 ppm	-0.0008 ppm	0.0048 ppm
Concentration per Run	0.3179 ppm	0.0007 ppm	0.0125 ppm	36.0959 ppm	0.0065 ppm	0.0004 ppm	0.0021 ppm
Concentration RSD	1.0 %	9.5 %	0.7 %	1.0 %	9.2 %	712.7 %	39.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0028 ppm	2.3111 ppm	-0.0003 ppm	0.0979 ppm	-0.0008 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run	0.0031 ppm	2.3126 ppm	-0.0011 ppm	0.0980 ppm	-0.0008 ppm	0.0008 ppm	0.0070 ppm
Concentration per Run	0.0021 ppm	2.3062 ppm	0.0002 ppm	0.0981 ppm	-0.0001 ppm	-0.0001 ppm	0.0068 ppm
Concentration per Run	0.0033 ppm	2.3145 ppm	0.0001 ppm	0.0977 ppm	-0.0006 ppm	-0.0006 ppm	0.0067 ppm
Concentration RSD	24.0 %	0.2 %	279.8 %	0.2 %	23.6 %	2,790.3 %	1.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	103.5128 %	107.1234 %	99.6034 %	100.6356 %	105.3188 %	100.5261 %
Concentration per Run	0.0006 ppm	103.5724 %	106.6139 %	99.1982 %	100.6240 %	105.4809 %	99.8253 %
Concentration per Run	0.0011 ppm	103.3421 %	106.6922 %	99.1326 %	100.5698 %	106.1131 %	100.3572 %
Concentration per Run	0.0008 ppm	103.6238 %	108.0640 %	100.4794 %	100.7130 %	104.3625 %	101.3957 %
Concentration RSD	28.4 %	0.1 %	0.8 %	0.8 %	0.1 %	0.8 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-11d5 WG2109822

Analysis started at: 9/12/2025 1:56:27 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 56

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.8804 ppm	0.0060 ppm	0.0028 ppm	0.0084 ppm	-0.0001 ppm	17.3991 ppm
Concentration per Run	-0.0003 ppm	0.8788 ppm	0.0063 ppm	0.0011 ppm	0.0086 ppm	0.0000 ppm	17.5423 ppm
Concentration per Run	0.0006 ppm	0.8797 ppm	0.0071 ppm	0.0044 ppm	0.0084 ppm	-0.0001 ppm	17.3273 ppm
Concentration per Run	0.0000 ppm	0.8826 ppm	0.0047 ppm	0.0029 ppm	0.0083 ppm	0.0000 ppm	17.3279 ppm
Concentration RSD	513.9 %	0.2 %	20.0 %	58.0 %	1.4 %	39.0 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0010 ppm	0.0063 ppm	0.0051 ppm	1.4841 ppm	231.1119 ppm	0.0755 ppm
Concentration per Run	-0.0003 ppm	0.0008 ppm	0.0065 ppm	0.0050 ppm	1.4946 ppm	229.8848 ppm	0.0780 ppm
Concentration per Run	-0.0003 ppm	0.0008 ppm	0.0063 ppm	0.0053 ppm	1.4780 ppm	231.8529 ppm	0.0735 ppm
Concentration per Run	-0.0001 ppm	0.0013 ppm	0.0061 ppm	0.0051 ppm	1.4797 ppm	231.5979 ppm	0.0750 ppm
Concentration RSD	45.0 %	29.7 %	2.8 %	2.8 %	0.6 %	0.5 %	3.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.5152 ppm	0.0139 ppm	0.0131 ppm	31.8614 ppm	0.0106 ppm	0.0035 ppm	0.0032 ppm
Concentration per Run	1.5109 ppm	0.0138 ppm	0.0130 ppm	31.5677 ppm	0.0100 ppm	0.0038 ppm	-0.0002 ppm
Concentration per Run	1.5224 ppm	0.0140 ppm	0.0129 ppm	32.1377 ppm	0.0106 ppm	0.0034 ppm	0.0048 ppm
Concentration per Run	1.5121 ppm	0.0138 ppm	0.0135 ppm	31.8787 ppm	0.0112 ppm	0.0034 ppm	0.0051 ppm
Concentration RSD	0.4 %	1.0 %	2.5 %	0.9 %	5.7 %	6.7 %	91.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	2.8272 ppm	-0.0001 ppm	0.2621 ppm	0.0162 ppm	-0.0002 ppm	0.0059 ppm
Concentration per Run	0.0035 ppm	2.8220 ppm	-0.0003 ppm	0.2632 ppm	0.0161 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run	0.0015 ppm	2.8326 ppm	-0.0003 ppm	0.2625 ppm	0.0165 ppm	-0.0007 ppm	0.0059 ppm
Concentration per Run	0.0014 ppm	2.8270 ppm	0.0004 ppm	0.2606 ppm	0.0161 ppm	0.0002 ppm	0.0059 ppm
Concentration RSD	54.9 %	0.2 %	801.6 %	0.5 %	1.6 %	278.9 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0103 ppm	101.7396 %	105.9441 %	97.2938 %	98.5631 %	104.1134 %	98.9053 %
Concentration per Run	0.0103 ppm	101.5142 %	106.7292 %	96.9365 %	98.7073 %	103.4022 %	98.4141 %
Concentration per Run	0.0102 ppm	101.6082 %	105.4232 %	97.4593 %	98.3138 %	105.1454 %	99.3253 %
Concentration per Run	0.0103 ppm	102.0965 %	105.6798 %	97.4854 %	98.6683 %	103.7926 %	98.9767 %
Concentration RSD	0.4 %	0.3 %	0.7 %	0.3 %	0.2 %	0.9 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: LDR 200 K
Analysis started at: 9/12/2025 2:02:06 PM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 57

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0176 ppm	-0.0010 ppm	0.0004 ppm	0.0008 ppm	0.0000 ppm	0.0125 ppm
Concentration per Run	-0.0003 ppm	0.0168 ppm	-0.0001 ppm	0.0004 ppm	0.0009 ppm	0.0000 ppm	0.0123 ppm
Concentration per Run	0.0003 ppm	0.0136 ppm	-0.0010 ppm	0.0001 ppm	0.0009 ppm	0.0000 ppm	0.0108 ppm
Concentration per Run	0.0004 ppm	0.0224 ppm	-0.0019 ppm	0.0007 ppm	0.0008 ppm	0.0000 ppm	0.0143 ppm
Concentration RSD	329.9 %	25.2 %	92.6 %	86.2 %	3.4 %	261.0 %	13.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0066 ppm	195.1447 ppm	-0.0040 ppm
Concentration per Run	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0005 ppm	0.0066 ppm	192.7380 ppm	-0.0026 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	0.0007 ppm	0.0007 ppm	0.0058 ppm	195.9870 ppm	-0.0054 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0074 ppm	196.7090 ppm	-0.0040 ppm
Concentration RSD	10.7 %	322.4 %	39.9 %	18.3 %	12.7 %	1.1 %	34.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0064 ppm	0.0006 ppm	-0.0001 ppm	0.0047 ppm	0.0010 ppm	0.0005 ppm	0.0017 ppm
Concentration per Run	0.0079 ppm	0.0006 ppm	-0.0006 ppm	0.0053 ppm	0.0021 ppm	0.0002 ppm	0.0053 ppm
Concentration per Run	0.0057 ppm	0.0007 ppm	0.0005 ppm	0.0036 ppm	0.0008 ppm	0.0008 ppm	-0.0012 ppm
Concentration per Run	0.0056 ppm	0.0005 ppm	-0.0002 ppm	0.0051 ppm	0.0002 ppm	0.0006 ppm	0.0011 ppm
Concentration RSD	20.3 %	20.1 %	646.7 %	19.5 %	94.6 %	58.7 %	194.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	-0.0002 ppm	0.0004 ppm	0.0006 ppm	-0.0006 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	0.0025 ppm	-0.0011 ppm	0.0006 ppm	0.0006 ppm	-0.0009 ppm	0.0011 ppm	0.0005 ppm
Concentration per Run	-0.0003 ppm	0.0020 ppm	0.0011 ppm	0.0005 ppm	-0.0005 ppm	-0.0002 ppm	0.0005 ppm
Concentration per Run	0.0006 ppm	-0.0016 ppm	-0.0003 ppm	0.0007 ppm	-0.0003 ppm	0.0014 ppm	0.0005 ppm
Concentration RSD	157.5 %	889.4 %	162.4 %	10.9 %	53.1 %	109.7 %	8.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0050 ppm	102.5492 %	105.4228 %	99.2144 %	100.0572 %	104.1689 %	99.4185 %
Concentration per Run	0.0051 ppm	102.3410 %	106.0440 %	99.6169 %	99.5984 %	104.0925 %	99.8124 %
Concentration per Run	0.0049 ppm	102.5755 %	99.3114 %	99.3197 %	100.5696 %	104.2359 %	99.5014 %
Concentration per Run	0.0049 ppm	102.7311 %	104.9128 %	98.7065 %	100.0036 %	104.1784 %	98.9416 %
Concentration RSD	2.7 %	0.2 %	0.5 %	0.5 %	0.5 %	0.1 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: LDR 500 K
Analysis started at: 9/12/2025 2:09:13 PM
Comment: <Comment>
Rack Number: 1
Vial Numbers: 58

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	0.0105 ppm	-0.0013 ppm	0.0000 ppm	0.0026 ppm	0.0000 ppm	0.0222 ppm
Concentration per Run	0.0005 ppm	0.0223 ppm	-0.0004 ppm	-0.0009 ppm	0.0024 ppm	0.0001 ppm	0.0230 ppm
Concentration per Run	0.0004 ppm	0.0006 ppm	-0.0020 ppm	0.0005 ppm	0.0027 ppm	0.0000 ppm	0.0256 ppm
Concentration per Run	0.0006 ppm	0.0086 ppm	-0.0016 ppm	0.0004 ppm	0.0026 ppm	0.0000 ppm	0.0182 ppm
Concentration RSD	21.7 %	104.4 %	61.9 %	15.657.0 %	5.3 %	53.3 %	16.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0004 ppm	0.0007 ppm	0.0002 ppm	0.0007 ppm	0.0150 ppm	480.5856 ppm	-0.0039 ppm
Concentration per Run	0.0005 ppm	0.0009 ppm	0.0003 ppm	0.0005 ppm	0.0160 ppm	476.3508 ppm	-0.0065 ppm
Concentration per Run	0.0004 ppm	0.0005 ppm	-0.0001 ppm	0.0006 ppm	0.0143 ppm	482.0999 ppm	-0.0033 ppm
Concentration per Run	0.0003 ppm	0.0008 ppm	0.0004 ppm	0.0009 ppm	0.0148 ppm	483.3061 ppm	-0.0021 ppm
Concentration RSD	19.0 %	26.9 %	111.6 %	25.8 %	6.0 %	0.8 %	57.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-eUV)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0093 ppm	0.0009 ppm	0.0003 ppm	0.0101 ppm	0.0004 ppm	0.0014 ppm	0.0031 ppm
Concentration per Run	0.0089 ppm	0.0011 ppm	0.0004 ppm	0.0093 ppm	0.0014 ppm	0.0013 ppm	0.0037 ppm
Concentration per Run	0.0099 ppm	0.0010 ppm	0.0000 ppm	0.0074 ppm	0.0007 ppm	0.0015 ppm	0.0005 ppm
Concentration per Run	0.0089 ppm	0.0007 ppm	0.0003 ppm	0.0136 ppm	-0.0011 ppm	0.0013 ppm	0.0052 ppm
Concentration RSD	6.4 %	18.8 %	72.4 %	31.6 %	364.0 %	8.0 %	77.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	0.0009 ppm	0.0010 ppm	0.0016 ppm	-0.0007 ppm	0.0018 ppm	0.0012 ppm
Concentration per Run	0.0003 ppm	-0.0004 ppm	0.0005 ppm	0.0015 ppm	-0.0005 ppm	0.0039 ppm	0.0011 ppm
Concentration per Run	-0.0002 ppm	0.0010 ppm	0.0010 ppm	0.0016 ppm	-0.0009 ppm	0.0007 ppm	0.0010 ppm
Concentration per Run	0.0026 ppm	0.0021 ppm	0.0016 ppm	0.0016 ppm	-0.0007 ppm	0.0007 ppm	0.0015 ppm
Concentration RSD	162.8 %	133.6 %	56.4 %	5.4 %	23.8 %	106.0 %	22.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0121 ppm	100.1723 %	103.5068 %	95.0867 %	97.4462 %	103.3946 %	96.8312 %
Concentration per Run	0.0123 ppm	100.1301 %	104.2476 %	95.7979 %	97.6322 %	103.8676 %	97.2955 %
Concentration per Run	0.0119 ppm	100.6775 %	102.7725 %	94.8090 %	97.6650 %	102.7480 %	96.7480 %
Concentration per Run	0.0121 ppm	99.7093 %	103.5004 %	94.6531 %	97.0412 %	103.5683 %	96.4501 %
Concentration RSD	1.7 %	0.5 %	0.7 %	0.7 %	0.4 %	0.6 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCV

Sample: 9/12/2025 2:19:30 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4934 ppm	0.4843 ppm	0.4774 ppm	0.4702 ppm	0.4853 ppm	0.4966 ppm	0.4792 ppm
Concentration per Run	0.4953 ppm	0.4861 ppm	0.4780 ppm	0.4750 ppm	0.4843 ppm	0.4961 ppm	0.4801 ppm
Concentration per Run	0.4920 ppm	0.4856 ppm	0.4782 ppm	0.4680 ppm	0.4860 ppm	0.4973 ppm	0.4787 ppm
Concentration per Run	0.4930 ppm	0.4812 ppm	0.4761 ppm	0.4677 ppm	0.4855 ppm	0.4964 ppm	0.4789 ppm
Recovery Percentage	98.689 %	96.856 %	95.490 %	94.045 %	97.057 %	99.319 %	95.842 %
Concentration RSD	0.3 %	0.6 %	0.2 %	0.9 %	0.2 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5012 ppm	0.5037 ppm	0.5016 ppm	0.5133 ppm	0.4877 ppm	5.1271 ppm	0.4900 ppm
Concentration per Run	0.5037 ppm	0.5073 ppm	0.5047 ppm	0.5156 ppm	0.4877 ppm	5.1297 ppm	0.4877 ppm
Concentration per Run	0.4996 ppm	0.5026 ppm	0.5002 ppm	0.5120 ppm	0.4862 ppm	5.1348 ppm	0.4901 ppm
Concentration per Run	0.5003 ppm	0.5012 ppm	0.4998 ppm	0.5123 ppm	0.4891 ppm	5.1169 ppm	0.4922 ppm
Recovery Percentage	100.240 %	100.741 %	100.317 %	102.664 %	97.533 %	102.543 %	98.000 %
Concentration RSD	0.4 %	0.6 %	0.5 %	0.4 %	0.3 %	0.2 %	0.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5049 ppm	0.4961 ppm	0.4977 ppm	10.0938 ppm	0.5078 ppm	0.5050 ppm	0.5083 ppm
Concentration per Run	0.5062 ppm	0.4975 ppm	0.4816 ppm	10.1036 ppm	0.5104 ppm	0.5031 ppm	0.5073 ppm
Concentration per Run	0.5034 ppm	0.4965 ppm	0.4796 ppm	10.0905 ppm	0.5051 ppm	0.5055 ppm	0.5090 ppm
Concentration per Run	0.5051 ppm	0.4945 ppm	0.4778 ppm	10.0873 ppm	0.5078 ppm	0.5064 ppm	0.5087 ppm
Recovery Percentage	100.982 %	99.229 %	99.936 %	100.938 %	101.552 %	100.995 %	101.663 %
Concentration RSD	0.3 %	0.3 %	0.4 %	0.1 %	0.5 %	0.3 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4784 ppm	5.2822 ppm	0.4828 ppm	0.4884 ppm	0.4946 ppm	0.4844 ppm	0.5048 ppm
Concentration per Run	0.4799 ppm	5.2931 ppm	0.4863 ppm	0.4874 ppm	0.4976 ppm	0.4840 ppm	0.5065 ppm
Concentration per Run	0.4778 ppm	5.2718 ppm	0.4823 ppm	0.4892 ppm	0.4935 ppm	0.4866 ppm	0.5037 ppm
Concentration per Run	0.4774 ppm	5.2816 ppm	0.4799 ppm	0.4886 ppm	0.4928 ppm	0.4827 ppm	0.5041 ppm
Recovery Percentage	95.679 %	100.612 %	96.562 %	97.680 %	98.920 %	96.890 %	100.953 %
Concentration RSD	0.3 %	0.2 %	0.7 %	0.2 %	0.5 %	0.4 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4814 ppm	103.7010 %	104.4293 %	101.3083 %	102.2425 %	103.7986 %	100.2837 %
Concentration per Run	0.4841 ppm	103.0851 %	103.8646 %	101.4108 %	101.7179 %	103.5864 %	100.1832 %
Concentration per Run	0.4797 ppm	104.5528 %	104.5528 %	101.1603 %	101.8523 %	103.9636 %	100.1943 %
Concentration per Run	0.4806 ppm	104.5501 %	104.8704 %	101.3538 %	103.1574 %	103.8458 %	100.4736 %
Recovery Percentage	96.288 %						
Concentration RSD	0.5 %	0.7 %	0.5 %	0.1 %	0.8 %	0.2 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 2:21:41 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0020 ppm	-0.0015 ppm	0.0016 ppm	-0.0003 ppm	-0.0001 ppm	0.0056 ppm
Concentration per Run	0.0007 ppm	0.0110 ppm	-0.0020 ppm	0.0020 ppm	0.0000 ppm	0.0000 ppm	0.0042 ppm
Concentration per Run	-0.0006 ppm	-0.0053 ppm	-0.0011 ppm	0.0013 ppm	-0.0004 ppm	0.0000 ppm	0.0038 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	-0.0015 ppm	0.0015 ppm	-0.0002 ppm	-0.0001 ppm	0.0087 ppm
Recovery Percentage	-0.424 %	2.009 %	-30.389 %	5.317 %	-2.558 %	-1.554 %	5.566 %
Concentration RSD	2.162.0 %	413.8 %	31.2 %	22.7 %	63.0 %	69.5 %	48.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0023 ppm	0.0740 ppm	-0.0036 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0031 ppm	0.0758 ppm	-0.0038 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0027 ppm	0.0874 ppm	-0.0024 ppm
Concentration per Run	0.0001 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0012 ppm	0.0588 ppm	-0.0047 ppm
Recovery Percentage	0.595 %	1.442 %	1.158 %	-0.029 %	4.698 %	2.959 %	-72.696 %
Concentration RSD	278.0 %	127.6 %	218.5 %	4.384.1 %	41.9 %	19.5 %	31.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0019 ppm	0.0002 ppm	0.0002 ppm	-0.0048 ppm	0.0002 ppm	-0.0002 ppm	0.0030 ppm
Concentration per Run	-0.0021 ppm	0.0002 ppm	0.0002 ppm	-0.0062 ppm	0.0001 ppm	-0.0008 ppm	0.0062 ppm
Concentration per Run	-0.0017 ppm	0.0000 ppm	-0.0003 ppm	-0.0067 ppm	0.0005 ppm	-0.0005 ppm	0.0041 ppm
Concentration per Run	-0.0019 ppm	0.0004 ppm	-0.0001 ppm	-0.0016 ppm	0.0001 ppm	0.0006 ppm	-0.0014 ppm
Recovery Percentage	-1.931 %	1.760 %	-0.773 %	-0.242 %	0.954 %	-2.413 %	5.968 %
Concentration RSD	10.0 %	118.0 %	70.1 %	57.5 %	111.1 %	299.0 %	130.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	-0.0008 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	-0.0016 ppm	0.0019 ppm	0.0010 ppm	-0.0002 ppm	-0.0009 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run	0.0021 ppm	-0.0008 ppm	-0.0004 ppm	-0.0001 ppm	-0.0011 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0007 ppm	-0.0008 ppm	0.0001 ppm	-0.0001 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm
Recovery Percentage	3.996 %	0.019 %	0.400 %	-1.183 %	-8.186 %	1.411 %	-0.045 %
Concentration RSD	466.1 %	1.659.7 %	357.2 %	36.4 %	37.9 %	149.2 %	3.659.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	101.3845 %	102.4744 %	99.7615 %	102.1164 %	103.5960 %	100.2456 %
Concentration per Run	0.0004 ppm	101.1514 %	103.1281 %	100.6482 %	101.8393 %	105.0193 %	100.7574 %
Concentration per Run	0.0006 ppm	100.5398 %	101.1914 %	99.0209 %	101.1016 %	103.5062 %	99.6724 %
Concentration per Run	0.0007 ppm	102.4623 %	103.1037 %	99.6154 %	103.4084 %	102.2626 %	100.3070 %
Recovery Percentage	10.625 %	1.0 %	1.1 %	0.8 %	1.2 %	1.3 %	0.5 %
Concentration RSD	30.0 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2112698-2 WG2112698

Analysis started at: 9/12/2025 3:17:05 PM

Comment: <Comment>

Rack Number 1

Vial Numbers 59

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0495 ppm	1.9287 ppm	0.1172 ppm	0.9283 ppm	1.8741 ppm	0.0477 ppm	9.6973 ppm
Concentration per Run	0.0492 ppm	1.9345 ppm	0.1179 ppm	0.9254 ppm	1.8771 ppm	0.0476 ppm	9.6904 ppm
Concentration per Run	0.0497 ppm	1.9242 ppm	0.1165 ppm	0.9320 ppm	1.8700 ppm	0.0478 ppm	9.7075 ppm
Concentration per Run	0.0495 ppm	1.9275 ppm	0.1171 ppm	0.9276 ppm	1.8753 ppm	0.0478 ppm	9.6939 ppm
Concentration RSD	0.5 %	0.3 %	0.6 %	0.4 %	0.2 %	0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0503 ppm	0.4694 ppm	0.1901 ppm	0.2421 ppm	0.9431 ppm	10.0768 ppm	-0.0047 ppm
Concentration per Run	0.0503 ppm	0.4721 ppm	0.1906 ppm	0.2429 ppm	0.9387 ppm	10.0886 ppm	-0.0037 ppm
Concentration per Run	0.0504 ppm	0.4679 ppm	0.1895 ppm	0.2417 ppm	0.9477 ppm	10.0495 ppm	-0.0044 ppm
Concentration per Run	0.0504 ppm	0.4683 ppm	0.1900 ppm	0.2417 ppm	0.9428 ppm	10.0922 ppm	-0.0061 ppm
Concentration RSD	0.1 %	0.5 %	0.3 %	0.3 %	0.5 %	0.2 %	25.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.8810 ppm	0.4714 ppm	0.9488 ppm	10.0490 ppm	0.4776 ppm	0.5297 ppm	0.4796 ppm
Concentration per Run	9.8264 ppm	0.4711 ppm	0.9475 ppm	10.0018 ppm	0.4775 ppm	0.5325 ppm	0.4811 ppm
Concentration per Run	9.8853 ppm	0.4717 ppm	0.9510 ppm	9.9700 ppm	0.4774 ppm	0.5287 ppm	0.4802 ppm
Concentration per Run	9.9313 ppm	0.4712 ppm	0.9478 ppm	10.1750 ppm	0.4778 ppm	0.5279 ppm	0.4776 ppm
Concentration RSD	0.5 %	0.1 %	0.2 %	1.1 %	0.0 %	0.5 %	0.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1178 ppm	1.0557 ppm	0.9424 ppm	0.9501 ppm	0.9882 ppm	0.1151 ppm	0.4910 ppm
Concentration per Run	0.1164 ppm	1.0564 ppm	0.9440 ppm	0.9506 ppm	0.9821 ppm	0.1151 ppm	0.4909 ppm
Concentration per Run	0.1184 ppm	1.0523 ppm	0.9429 ppm	0.9482 ppm	0.9690 ppm	0.1144 ppm	0.4907 ppm
Concentration per Run	0.1185 ppm	1.0534 ppm	0.9404 ppm	0.9514 ppm	0.9735 ppm	0.1158 ppm	0.4913 ppm
Concentration RSD	1.0 %	0.3 %	0.2 %	0.2 %	0.6 %	0.6 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4593 ppm	104.5731 %	107.1056 %	101.1353 %	102.7504 %	100.7727 %
Concentration per Run	0.4592 ppm	104.6805 %	106.9421 %	100.5224 %	102.8547 %	100.3540 %
Concentration per Run	0.4599 ppm	104.6460 %	107.6132 %	101.4923 %	102.7624 %	100.9775 %
Concentration per Run	0.4588 ppm	104.3926 %	106.7616 %	101.3912 %	102.6341 %	100.9866 %
Concentration RSD	0.1 %	0.2 %	0.4 %	0.5 %	0.1 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554312-13 WG2109895

Analysis started at: 9/12/2025 3:19:22 PM

Comment <Comment>

Rack Number 1

Vial Numbers

60

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.6381 ppm	0.0015 ppm	0.0137 ppm	0.0623 ppm	0.0000 ppm	94.2203 ppm
Concentration per Run	0.0001 ppm	0.6349 ppm	0.0001 ppm	0.0128 ppm	0.0622 ppm	-0.0001 ppm	94.1875 ppm
Concentration per Run	0.0005 ppm	0.6482 ppm	0.0038 ppm	0.0139 ppm	0.0623 ppm	0.0000 ppm	94.3099 ppm
Concentration per Run	-0.0004 ppm	0.6312 ppm	0.0004 ppm	0.0143 ppm	0.0623 ppm	0.0000 ppm	94.1636 ppm
Concentration RSD	563.4 %	1.4 %	138.7 %	5.5 %	0.1 %	4.995.4 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0011 ppm	0.0002 ppm	0.0004 ppm	0.0010 ppm	0.0233 ppm	3.0117 ppm	-0.0027 ppm
Concentration per Run	-0.0010 ppm	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0207 ppm	3.0216 ppm	-0.0031 ppm
Concentration per Run	-0.0011 ppm	0.0002 ppm	0.0005 ppm	0.0010 ppm	0.0253 ppm	3.0212 ppm	-0.0031 ppm
Concentration per Run	-0.0011 ppm	0.0006 ppm	0.0006 ppm	0.0010 ppm	0.0240 ppm	2.9924 ppm	-0.0020 ppm
Concentration RSD	4.1 %	157.5 %	76.3 %	4.7 %	10.2 %	0.6 %	22.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	40.7387 ppm	0.1668 ppm	0.0011 ppm	182.8717 ppm	0.0094 ppm	-0.0003 ppm	0.0058 ppm
Concentration per Run	40.9251 ppm	0.1671 ppm	0.0015 ppm	184.0155 ppm	0.0091 ppm	0.0005 ppm	0.0063 ppm
Concentration per Run	40.3121 ppm	0.1673 ppm	0.0012 ppm	183.5305 ppm	0.0095 ppm	-0.0015 ppm	0.0051 ppm
Concentration per Run	40.9790 ppm	0.1659 ppm	0.0005 ppm	181.0692 ppm	0.0094 ppm	0.0000 ppm	0.0061 ppm
Concentration RSD	0.9 %	0.5 %	46.8 %	0.9 %	2.1 %	322.5 %	11.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0008 ppm	4.4826 ppm	0.0004 ppm	0.4253 ppm	-0.0004 ppm	0.0020 ppm	0.0004 ppm
Concentration per Run	0.0016 ppm	4.4772 ppm	0.0004 ppm	0.4251 ppm	-0.0006 ppm	0.0010 ppm	0.0005 ppm
Concentration per Run	0.0001 ppm	4.4807 ppm	-0.0004 ppm	0.4263 ppm	0.0001 ppm	0.0012 ppm	0.0003 ppm
Concentration per Run	0.0007 ppm	4.4899 ppm	0.0012 ppm	0.4243 ppm	-0.0006 ppm	0.0037 ppm	0.0005 ppm
Concentration RSD	91.2 %	0.1 %	206.0 %	0.2 %	106.4 %	77.6 %	28.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	99.9875 %	104.8887 %	93.5078 %	97.1886 %	103.5694 %	96.1429 %
Concentration per Run	0.0007 ppm	99.6283 %	104.8568 %	93.2796 %	96.8801 %	105.0763 %	95.8933 %
Concentration per Run	0.0006 ppm	100.3429 %	104.0316 %	93.2219 %	97.7396 %	103.0196 %	96.1387 %
Concentration per Run	0.0009 ppm	99.9914 %	105.7777 %	94.0220 %	96.9460 %	102.6122 %	96.3967 %
Concentration RSD	15.6 %	0.4 %	0.8 %	0.5 %	0.5 %	1.3 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-03 WG2109895

Analysis started at: 9/12/2025 3:21:26 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0714 ppm	0.0027 ppm	0.0022 ppm	0.0254 ppm	-0.0001 ppm	94.9022 ppm
Concentration per Run	0.0005 ppm	0.0641 ppm	0.0021 ppm	0.0006 ppm	0.0254 ppm	0.0000 ppm	94.9634 ppm
Concentration per Run	0.0000 ppm	0.0713 ppm	0.0041 ppm	0.0037 ppm	0.0255 ppm	-0.0001 ppm	94.9061 ppm
Concentration per Run	-0.0004 ppm	0.0789 ppm	0.0020 ppm	0.0024 ppm	0.0253 ppm	-0.0001 ppm	94.8369 ppm
Concentration RSD	4.349.2 %	10.4 %	43.4 %	68.8 %	0.3 %	27.3 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0011 ppm	0.0005 ppm	0.0032 ppm	0.0007 ppm	0.0424 ppm	1.326.6215 ppm	0.6888 ppm
Concentration per Run	-0.0011 ppm	0.0007 ppm	0.0033 ppm	0.0008 ppm	0.0428 ppm	1.326.1224 ppm	0.6845 ppm
Concentration per Run	-0.0011 ppm	0.0008 ppm	0.0033 ppm	0.0005 ppm	0.0416 ppm	1.331.9862 ppm	0.6831 ppm
Concentration per Run	-0.0010 ppm	0.0000 ppm	0.0029 ppm	0.0007 ppm	0.0429 ppm	1.321.7559 ppm	0.6988 ppm
Concentration RSD	2.9 %	80.4 %	6.9 %	25.5 %	1.6 %	0.4 %	1.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0090 ppm	0.0004 ppm	0.0663 ppm	182.8629 ppm	0.0240 ppm	0.0002 ppm	0.0046 ppm
Concentration per Run	0.0104 ppm	0.0005 ppm	0.0668 ppm	183.5153 ppm	0.0244 ppm	0.0009 ppm	0.0090 ppm
Concentration per Run	0.0106 ppm	0.0001 ppm	0.0681 ppm	184.4817 ppm	0.0236 ppm	-0.0006 ppm	0.0017 ppm
Concentration per Run	0.0060 ppm	0.0005 ppm	0.0660 ppm	180.5917 ppm	0.0239 ppm	0.0001 ppm	0.0032 ppm
Concentration RSD	28.5 %	62.1 %	0.7 %	1.1 %	1.7 %	428.9 %	83.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0135 ppm	2.2044 ppm	-0.0009 ppm	2.1344 ppm	-0.0006 ppm	0.0018 ppm	0.0057 ppm
Concentration per Run	0.0109 ppm	2.2062 ppm	0.0002 ppm	2.1408 ppm	-0.0006 ppm	0.0022 ppm	0.0057 ppm
Concentration per Run	0.0123 ppm	2.2006 ppm	-0.0017 ppm	2.1340 ppm	-0.0007 ppm	0.0014 ppm	0.0056 ppm
Concentration per Run	0.0172 ppm	2.2065 ppm	-0.0013 ppm	2.1283 ppm	-0.0005 ppm	0.0020 ppm	0.0058 ppm
Concentration RSD	24.3 %	0.2 %	109.9 %	0.3 %	19.2 %	22.7 %	1.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	93.0362 %	102.9328 %	87.5882 %	90.8957 %	102.0731 %	92.3789 %
Concentration per Run	0.0011 ppm	93.0508 %	103.2298 %	88.0663 %	90.5702 %	102.9123 %	92.5801 %
Concentration per Run	0.0011 ppm	93.0573 %	102.1487 %	87.2372 %	90.9973 %	102.8591 %	91.9672 %
Concentration per Run	0.0007 ppm	93.0007 %	103.4200 %	87.4613 %	91.1194 %	100.4479 %	92.5894 %
Concentration RSD	20.6 %	0.0 %	0.7 %	0.5 %	0.3 %	1.4 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-04 WG2109895

Analysis started at: 9/12/2025 3:23:31 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 2

	Ag 328.068	Al 396.152	As 189.042	B 208.959	Ba 455.403	Be 313.042	Ca 315.887
Concentration average	-0.0004 ppm	0.0364 ppm	-0.0012 ppm	0.0047 ppm	0.0215 ppm	0.0000 ppm	116.8869 ppm
Concentration per Run	-0.0003 ppm	0.0365 ppm	-0.0004 ppm	0.0051 ppm	0.0216 ppm	-0.0001 ppm	117.3213 ppm
Concentration per Run	-0.0006 ppm	0.0348 ppm	-0.0012 ppm	0.0037 ppm	0.0215 ppm	0.0000 ppm	116.9412 ppm
Concentration per Run	-0.0004 ppm	0.0379 ppm	-0.0020 ppm	0.0054 ppm	0.0213 ppm	0.0000 ppm	116.3983 ppm
Concentration RSD	30.4 %	4.2 %	67.4 %	18.7 %	0.8 %	89.3 %	0.4 %

	Cd 214.438	Co 228.616	Cr 267.716	Cu 324.754	Fe 259.940	K 766.490	Li 670.776
Concentration average	-0.0014 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0150 ppm	620.6697 ppm	0.3504 ppm
Concentration per Run	-0.0014 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0149 ppm	618.8688 ppm	0.3545 ppm
Concentration per Run	-0.0013 ppm	0.0002 ppm	0.0005 ppm	0.0005 ppm	0.0144 ppm	621.8975 ppm	0.3528 ppm
Concentration per Run	-0.0015 ppm	-0.0004 ppm	0.0000 ppm	0.0007 ppm	0.0156 ppm	621.2429 ppm	0.3442 ppm
Concentration RSD	4.2 %	901.9 %	129.7 %	49.8 %	4.0 %	0.3 %	1.6 %

	Mg 279.079	Mn 257.610	Mo 202.030	Na 589.592	Ni 231.604	Pb 220.353	Sb 206.833
Concentration average	0.0053 ppm	0.0001 ppm	0.0248 ppm	81.7048 ppm	0.0028 ppm	0.0002 ppm	0.0023 ppm
Concentration per Run	0.0046 ppm	0.0002 ppm	0.0247 ppm	81.4889 ppm	0.0034 ppm	0.0001 ppm	0.0029 ppm
Concentration per Run	0.0062 ppm	0.0000 ppm	0.0250 ppm	81.4281 ppm	0.0029 ppm	-0.0002 ppm	0.0025 ppm
Concentration per Run	0.0051 ppm	0.0002 ppm	0.0248 ppm	82.1974 ppm	0.0022 ppm	0.0008 ppm	0.0015 ppm
Concentration RSD	14.7 %	102.1 %	0.7 %	0.5 %	21.2 %	225.5 %	31.7 %

	Se 196.090	Si 212.412	Sn 189.989	Sr 421.552	Ti 334.904	Tl 190.856	V 292.402
Concentration average	0.0073 ppm	1.8609 ppm	-0.0003 ppm	2.0187 ppm	-0.0006 ppm	0.0012 ppm	0.0009 ppm
Concentration per Run	0.0059 ppm	1.8585 ppm	-0.0009 ppm	2.0252 ppm	-0.0011 ppm	0.0009 ppm	0.0010 ppm
Concentration per Run	0.0107 ppm	1.8693 ppm	-0.0008 ppm	2.0186 ppm	-0.0005 ppm	0.0011 ppm	0.0008 ppm
Concentration per Run	0.0054 ppm	1.8569 ppm	0.0006 ppm	2.0124 ppm	-0.0002 ppm	0.0016 ppm	0.0009 ppm
Concentration RSD	39.9 %	0.4 %	243.0 %	0.3 %	72.2 %	28.1 %	11.1 %

	Zn 206.200	Sc 361.384	Sc 361.384	Sc 227.318	Y 360.073	Y 371.030	Y 224.306
Concentration average	0.0003 ppm	96.6079 %	105.3324 %	91.2520 %	93.9909 %	103.0998 %	94.7033 %
Concentration per Run	0.0003 ppm	96.6037 %	105.2891 %	91.4293 %	93.8798 %	102.7784 %	95.0024 %
Concentration per Run	0.0005 ppm	96.1234 %	105.3053 %	91.1412 %	93.3395 %	102.2641 %	94.5485 %
Concentration per Run	0.0000 ppm	97.0965 %	105.4030 %	91.1855 %	94.7533 %	104.2569 %	94.5590 %
Concentration RSD	96.9 %	0.5 %	0.1 %	0.2 %	0.8 %	1.0 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-05 WG2109895

Analysis started at: 9/12/2025 3:25:36 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0100 ppm	0.0061 ppm	0.0061 ppm	0.1988 ppm	-0.0001 ppm	352.2109 ppm
Concentration per Run	0.0001 ppm	0.0124 ppm	0.0083 ppm	0.0062 ppm	0.1994 ppm	0.0000 ppm	352.9824 ppm
Concentration per Run	0.0000 ppm	0.0047 ppm	0.0050 ppm	0.0054 ppm	0.1985 ppm	-0.0001 ppm	352.0998 ppm
Concentration per Run	0.0006 ppm	0.0129 ppm	0.0049 ppm	0.0067 ppm	0.1986 ppm	0.0000 ppm	351.5506 ppm
Concentration RSD	152.4 %	46.2 %	31.4 %	11.0 %	0.3 %	91.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0042 ppm	0.0007 ppm	0.0003 ppm	0.0004 ppm	0.0077 ppm	1.353.9995 ppm	0.2702 ppm
Concentration per Run	-0.0041 ppm	0.0010 ppm	0.0008 ppm	0.0005 ppm	0.0070 ppm	1.350.5436 ppm	0.2701 ppm
Concentration per Run	-0.0041 ppm	0.0001 ppm	-0.0001 ppm	0.0007 ppm	0.0091 ppm	1.355.3540 ppm	0.2719 ppm
Concentration per Run	-0.0042 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0069 ppm	1.356.1009 ppm	0.2686 ppm
Concentration RSD	1.6 %	78.4 %	139.3 %	70.0 %	16.3 %	0.2 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0613 ppm	449.2502 ppm	0.2078 ppm	-0.0004 ppm	0.0035 ppm
Concentration per Run	-0.0004 ppm	-0.0001 ppm	0.0611 ppm	449.7218 ppm	0.2073 ppm	-0.0010 ppm	0.0056 ppm
Concentration per Run	-0.0025 ppm	0.0001 ppm	0.0609 ppm	449.0348 ppm	0.2086 ppm	0.0002 ppm	0.0035 ppm
Concentration per Run	0.0030 ppm	-0.0001 ppm	0.0618 ppm	448.9940 ppm	0.2075 ppm	-0.0004 ppm	0.0015 ppm
Concentration RSD	5,204.3 %	247.3 %	0.7 %	0.1 %	0.3 %	159.2 %	59.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0132 ppm	0.3414 ppm	-0.0009 ppm	3.5466 ppm	-0.0005 ppm	0.0004 ppm	0.0018 ppm
Concentration per Run	0.0154 ppm	0.3413 ppm	-0.0001 ppm	3.5545 ppm	-0.0001 ppm	0.0006 ppm	0.0019 ppm
Concentration per Run	0.0129 ppm	0.3416 ppm	-0.0005 ppm	3.5378 ppm	-0.0007 ppm	0.0007 ppm	0.0017 ppm
Concentration per Run	0.0114 ppm	0.3413 ppm	-0.0022 ppm	3.5476 ppm	-0.0006 ppm	0.0000 ppm	0.0017 ppm
Concentration RSD	15.2 %	0.0 %	117.8 %	0.2 %	63.3 %	81.8 %	6.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0009 ppm	92.2920 %	102.6276 %	84.5843 %	90.0247 %	101.2244 %	90.3536 %
Concentration per Run	0.0010 ppm	92.9049 %	102.6650 %	84.4282 %	90.9309 %	101.5986 %	90.0096 %
Concentration per Run	0.0009 ppm	91.9079 %	103.0008 %	85.2515 %	89.5825 %	101.6504 %	91.0146 %
Concentration per Run	0.0007 ppm	92.0632 %	102.2169 %	84.0733 %	89.5607 %	100.4244 %	90.0366 %
Concentration RSD	14.7 %	0.6 %	0.4 %	0.7 %	0.9 %	0.7 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-06 WG2109895

Analysis started at: 9/12/2025 3:27:41 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0742 ppm	-0.0007 ppm	0.0032 ppm	0.0192 ppm	-0.0001 ppm	45.1098 ppm
Concentration per Run	-0.0009 ppm	0.0784 ppm	0.0006 ppm	0.0029 ppm	0.0192 ppm	-0.0001 ppm	45.1412 ppm
Concentration per Run	0.0003 ppm	0.0789 ppm	-0.0021 ppm	0.0041 ppm	0.0193 ppm	-0.0001 ppm	45.1598 ppm
Concentration per Run	0.0004 ppm	0.0651 ppm	-0.0004 ppm	0.0025 ppm	0.0192 ppm	-0.0001 ppm	45.0283 ppm
Concentration RSD	1,159.7 %	10.5 %	202.4 %	26.7 %	0.3 %	28.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0005 ppm	0.0013 ppm	0.0019 ppm	0.0170 ppm	590.9838 ppm	0.2007 ppm
Concentration per Run	-0.0006 ppm	0.0005 ppm	0.0015 ppm	0.0016 ppm	0.0171 ppm	587.9553 ppm	0.2027 ppm
Concentration per Run	-0.0005 ppm	0.0006 ppm	0.0016 ppm	0.0022 ppm	0.0165 ppm	592.9658 ppm	0.2012 ppm
Concentration per Run	-0.0006 ppm	0.0004 ppm	0.0009 ppm	0.0020 ppm	0.0176 ppm	592.0302 ppm	0.1981 ppm
Concentration RSD	13.6 %	26.4 %	27.8 %	17.1 %	3.3 %	0.5 %	1.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0012 ppm	0.0002 ppm	0.0274 ppm	91.1899 ppm	0.0044 ppm	0.0002 ppm	0.0062 ppm
Concentration per Run	-0.0022 ppm	0.0004 ppm	0.0273 ppm	90.8838 ppm	0.0050 ppm	0.0001 ppm	0.0074 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0274 ppm	91.2430 ppm	0.0042 ppm	-0.0003 ppm	0.0038 ppm
Concentration per Run	-0.0013 ppm	0.0002 ppm	0.0274 ppm	91.4429 ppm	0.0041 ppm	0.0009 ppm	0.0072 ppm
Concentration RSD	79.3 %	50.2 %	0.2 %	0.3 %	11.0 %	276.8 %	33.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0101 ppm	5.6925 ppm	-0.0004 ppm	0.7486 ppm	-0.0006 ppm	0.0012 ppm	0.0028 ppm
Concentration per Run	0.0105 ppm	5.6970 ppm	-0.0004 ppm	0.7469 ppm	-0.0006 ppm	0.0020 ppm	0.0029 ppm
Concentration per Run	0.0078 ppm	5.6987 ppm	-0.0004 ppm	0.7499 ppm	-0.0007 ppm	-0.0003 ppm	0.0025 ppm
Concentration per Run	0.0119 ppm	5.6819 ppm	-0.0003 ppm	0.7489 ppm	-0.0004 ppm	0.0019 ppm	0.0030 ppm
Concentration RSD	20.4 %	0.2 %	18.4 %	0.2 %	23.0 %	106.8 %	9.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	97.1149 %	103.1283 %	91.6278 %	94.5044 %	102.4805 %	94.6484 %
Concentration per Run	0.0010 ppm	97.4361 %	103.2370 %	91.5672 %	95.1438 %	102.1963 %	94.4196 %
Concentration per Run	0.0012 ppm	96.6916 %	102.4367 %	91.4843 %	94.1585 %	101.8170 %	94.7892 %
Concentration per Run	0.0010 ppm	97.2171 %	103.7111 %	91.8320 %	94.2109 %	103.4283 %	94.7365 %
Concentration RSD	13.1 %	0.4 %	0.6 %	0.2 %	0.6 %	0.8 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-07 WG2109895

Analysis started at: 9/12/2025 3:29:46 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0834 ppm	0.0088 ppm	0.0023 ppm	0.0143 ppm	0.0000 ppm	44.1736 ppm
Concentration per Run	0.0000 ppm	0.0879 ppm	0.0088 ppm	0.0020 ppm	0.0142 ppm	0.0000 ppm	44.0038 ppm
Concentration per Run	0.0001 ppm	0.0873 ppm	0.0094 ppm	0.0023 ppm	0.0144 ppm	-0.0001 ppm	44.2316 ppm
Concentration per Run	0.0001 ppm	0.0811 ppm	0.0083 ppm	0.0027 ppm	0.0143 ppm	0.0000 ppm	44.2853 ppm
Concentration RSD	176.1 %	4.4 %	6.3 %	16.3 %	0.7 %	162.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0006 ppm	0.0007 ppm	0.0004 ppm	0.0007 ppm	0.0219 ppm	1,859.6509 ppm	0.8376 ppm
Concentration per Run	-0.0006 ppm	0.0004 ppm	0.0002 ppm	0.0008 ppm	0.0222 ppm	1,858.9812 ppm	0.8280 ppm
Concentration per Run	-0.0006 ppm	0.0008 ppm	0.0010 ppm	0.0005 ppm	0.0227 ppm	1,866.4538 ppm	0.8435 ppm
Concentration per Run	-0.0006 ppm	0.0009 ppm	0.0006 ppm	0.0010 ppm	0.0208 ppm	1,853.5176 ppm	0.8413 ppm
Concentration RSD	0.9 %	36.9 %	133.2 %	29.3 %	4.5 %	0.3 %	1.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0081 ppm	0.0002 ppm	0.1524 ppm	311.3746 ppm	0.0522 ppm	0.0009 ppm	0.0049 ppm
Concentration per Run	0.0087 ppm	0.0002 ppm	0.1529 ppm	310.7921 ppm	0.0529 ppm	0.0015 ppm	0.0048 ppm
Concentration per Run	0.0072 ppm	0.0000 ppm	0.1521 ppm	313.6851 ppm	0.0508 ppm	0.0001 ppm	0.0037 ppm
Concentration per Run	0.0085 ppm	0.0004 ppm	0.1522 ppm	309.6465 ppm	0.0529 ppm	0.0012 ppm	0.0064 ppm
Concentration RSD	10.3 %	124.7 %	0.3 %	0.7 %	2.4 %	78.3 %	27.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0299 ppm	3.5262 ppm	-0.0011 ppm	1,5495 ppm	-0.0009 ppm	0.0010 ppm	0.0121 ppm
Concentration per Run	0.0334 ppm	3.5298 ppm	-0.0006 ppm	1.5477 ppm	-0.0010 ppm	0.0007 ppm	0.0120 ppm
Concentration per Run	0.0269 ppm	3.5157 ppm	-0.0034 ppm	1.5527 ppm	-0.0012 ppm	0.0014 ppm	0.0121 ppm
Concentration per Run	0.0295 ppm	3.5332 ppm	0.0007 ppm	1.5482 ppm	-0.0007 ppm	0.0007 ppm	0.0123 ppm
Concentration RSD	11.0 %	0.3 %	193.7 %	0.2 %	27.6 %	44.7 %	1.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	90.3063 %	102.7334 %	84.7539 %	88.0293 %	101.9005 %	89.7361 %
Concentration per Run	0.0006 ppm	90.0632 %	102.6032 %	84.2742 %	87.6864 %	101.7830 %	89.2775 %
Concentration per Run	0.0007 ppm	90.8443 %	102.7608 %	85.0861 %	88.6438 %	103.1520 %	90.0048 %
Concentration per Run	0.0005 ppm	90.0114 %	102.8342 %	84.9015 %	87.7578 %	100.7665 %	89.9260 %
Concentration RSD	12.6 %	0.5 %	0.1 %	0.5 %	0.6 %	1.2 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-08 WG2109895

Analysis started at: 9/12/2025 3:31:51 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0119 ppm	0.0083 ppm	0.0836 ppm	0.0045 ppm	0.0000 ppm	1.8150 ppm
Concentration per Run	-0.0001 ppm	0.0240 ppm	0.0073 ppm	0.0839 ppm	0.0073 ppm	0.0000 ppm	1.8125 ppm
Concentration per Run	0.0004 ppm	0.0055 ppm	0.0081 ppm	0.0831 ppm	0.0046 ppm	-0.0001 ppm	1.8166 ppm
Concentration per Run	0.0003 ppm	0.0063 ppm	0.0093 ppm	0.0837 ppm	0.0044 ppm	0.0000 ppm	1.8157 ppm
Concentration RSD	109.5 %	87.9 %	12.3 %	0.5 %	2.0 %	95.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0009 ppm	0.0009 ppm	0.0010 ppm	0.0176 ppm	635.6399 ppm	0.0880 ppm
Concentration per Run	-0.0003 ppm	0.0008 ppm	0.0004 ppm	0.0010 ppm	0.0172 ppm	629.8669 ppm	0.0868 ppm
Concentration per Run	-0.0001 ppm	0.0015 ppm	0.0013 ppm	0.0005 ppm	0.0166 ppm	638.6086 ppm	0.0893 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0009 ppm	0.0016 ppm	0.0191 ppm	638.4442 ppm	0.0880 ppm
Concentration RSD	89.5 %	59.3 %	53.4 %	55.8 %	7.6 %	0.8 %	1.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0763 ppm	0.0003 ppm	0.0549 ppm	98.8546 ppm	0.0231 ppm	0.0000 ppm	0.0090 ppm
Concentration per Run	0.0765 ppm	0.0003 ppm	0.0557 ppm	98.4585 ppm	0.0224 ppm	0.0004 ppm	0.0082 ppm
Concentration per Run	0.0739 ppm	0.0004 ppm	0.0548 ppm	98.9858 ppm	0.0234 ppm	0.0000 ppm	0.0083 ppm
Concentration per Run	0.0785 ppm	0.0002 ppm	0.0543 ppm	99.1194 ppm	0.0234 ppm	-0.0004 ppm	0.0105 ppm
Concentration RSD	3.0 %	38.5 %	1.3 %	0.4 %	2.4 %	2,305.7 %	14.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0023 ppm	2.4993 ppm	0.0000 ppm	0.2021 ppm	-0.0008 ppm	0.0017 ppm	0.0043 ppm
Concentration per Run	0.0014 ppm	2.4938 ppm	-0.0003 ppm	0.2018 ppm	-0.0006 ppm	0.0019 ppm	0.0044 ppm
Concentration per Run	0.0012 ppm	2.5057 ppm	0.0004 ppm	0.2022 ppm	-0.0011 ppm	0.0010 ppm	0.0044 ppm
Concentration per Run	0.0043 ppm	2.4983 ppm	-0.0001 ppm	0.2024 ppm	-0.0008 ppm	0.0023 ppm	0.0041 ppm
Concentration RSD	74.0 %	0.2 %	2,386.6 %	0.1 %	31.3 %	37.8 %	3.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	98.0393 %	105.3341 %	92.8542 %	95.4716 %	104.6054 %	96.1601 %
Concentration per Run	0.0007 ppm	99.2134 %	105.0275 %	93.1464 %	96.5872 %	104.0776 %	96.1396 %
Concentration per Run	0.0007 ppm	97.2067 %	105.6311 %	92.6379 %	94.4983 %	105.2303 %	96.0496 %
Concentration per Run	0.0004 ppm	97.6978 %	105.3436 %	92.7885 %	95.3293 %	104.5082 %	96.2911 %
Concentration RSD	23.4 %	1.1 %	0.3 %	0.3 %	1.1 %	0.6 %	0.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-09 WG2109895

Analysis started at: 9/12/2025 3:33:56 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0077 ppm	0.0090 ppm	0.0375 ppm	0.0100 ppm	-0.0001 ppm	5.3446 ppm
Concentration per Run	0.0003 ppm	0.0106 ppm	0.0106 ppm	0.0383 ppm	0.0098 ppm	-0.0001 ppm	5.3527 ppm
Concentration per Run	0.0002 ppm	0.0105 ppm	0.0062 ppm	0.0359 ppm	0.0101 ppm	-0.0001 ppm	5.3324 ppm
Concentration per Run	0.0001 ppm	0.0110 ppm	0.0101 ppm	0.0382 ppm	0.0100 ppm	0.0000 ppm	5.3488 ppm
Concentration RSD	58.8 %	66.7 %	26.8 %	3.7 %	1.5 %	43.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0011 ppm	0.0017 ppm	0.0021 ppm	0.1118 ppm	733.1484 ppm	0.0876 ppm
Concentration per Run	-0.0001 ppm	0.0017 ppm	0.0017 ppm	0.0023 ppm	0.1142 ppm	728.7813 ppm	0.0898 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	0.0180 ppm	0.0021 ppm	0.1111 ppm	735.8427 ppm	0.0869 ppm
Concentration per Run	-0.0002 ppm	0.0010 ppm	0.0184 ppm	0.0019 ppm	0.1102 ppm	734.8213 ppm	0.0860 ppm
Concentration RSD	68.8 %	38.3 %	2.1 %	8.7 %	1.9 %	0.5 %	2.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1596 ppm	0.0017 ppm	0.0653 ppm	161.7409 ppm	0.0323 ppm	0.0001 ppm	0.0052 ppm
Concentration per Run	0.1621 ppm	0.0016 ppm	0.0658 ppm	160.9569 ppm	0.0324 ppm	0.0007 ppm	0.0035 ppm
Concentration per Run	0.1593 ppm	0.0019 ppm	0.0651 ppm	161.8948 ppm	0.0322 ppm	-0.0005 ppm	0.0085 ppm
Concentration per Run	0.1575 ppm	0.0016 ppm	0.0648 ppm	162.3709 ppm	0.0323 ppm	0.0002 ppm	0.0038 ppm
Concentration RSD	1.5 %	12.6 %	0.7 %	0.4 %	0.2 %	469.7 %	53.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0117 ppm	11.3176 ppm	0.0002 ppm	0.4388 ppm	-0.0008 ppm	0.0008 ppm	0.0317 ppm
Concentration per Run	0.0113 ppm	11.3845 ppm	0.0006 ppm	0.4394 ppm	-0.0008 ppm	0.0002 ppm	0.0318 ppm
Concentration per Run	0.0120 ppm	11.3064 ppm	-0.0009 ppm	0.4391 ppm	-0.0007 ppm	0.0010 ppm	0.0316 ppm
Concentration per Run	0.0119 ppm	11.2619 ppm	0.0010 ppm	0.4378 ppm	-0.0009 ppm	0.0011 ppm	0.0318 ppm
Concentration RSD	2.9 %	0.5 %	487.3 %	0.2 %	13.4 %	61.8 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0002 ppm	98.1631 %	105.8683 %	92.3519 %	95.5056 %	103.4695 %	96.1633 %
Concentration per Run	-0.0001 ppm	98.1455 %	106.5858 %	92.2024 %	95.5454 %	103.5546 %	95.9813 %
Concentration per Run	-0.0001 ppm	97.7314 %	105.5114 %	92.6794 %	95.1932 %	103.1767 %	96.4037 %
Concentration per Run	-0.0003 ppm	98.6125 %	105.5078 %	92.1739 %	95.7783 %	103.6773 %	96.1049 %
Concentration RSD	69.1 %	0.4 %	0.6 %	0.3 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-11 WG2109895

Analysis started at: 9/12/2025 3:36:01 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.1408 ppm	0.0125 ppm	0.0068 ppm	0.0189 ppm	-0.0001 ppm	44.2160 ppm
Concentration per Run	0.0002 ppm	0.1442 ppm	0.0139 ppm	0.0067 ppm	0.0191 ppm	0.0000 ppm	44.2942 ppm
Concentration per Run	-0.0003 ppm	0.1396 ppm	0.0116 ppm	0.0069 ppm	0.0187 ppm	-0.0001 ppm	44.3759 ppm
Concentration per Run	-0.0003 ppm	0.1384 ppm	0.0119 ppm	0.0066 ppm	0.0189 ppm	-0.0001 ppm	43.9779 ppm
Concentration RSD	182.4 %	2.2 %	10.0 %	2.2 %	1.0 %	48.9 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0009 ppm	0.0009 ppm	0.0016 ppm	0.0305 ppm	867.8967 ppm	0.2856 ppm
Concentration per Run	-0.0005 ppm	0.0010 ppm	0.0010 ppm	0.0014 ppm	0.0289 ppm	866.1003 ppm	0.2861 ppm
Concentration per Run	-0.0005 ppm	0.0009 ppm	0.0009 ppm	0.0017 ppm	0.0317 ppm	869.9270 ppm	0.2928 ppm
Concentration per Run	-0.0004 ppm	0.0007 ppm	0.0010 ppm	0.0018 ppm	0.0308 ppm	867.6627 ppm	0.2780 ppm
Concentration RSD	10.6 %	20.6 %	23.0 %	14.2 %	4.7 %	0.2 %	2.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0759 ppm	0.0001 ppm	0.0506 ppm	130.5689 ppm	0.0101 ppm	0.0000 ppm	0.0076 ppm
Concentration per Run	0.0765 ppm	0.0000 ppm	0.0504 ppm	130.9462 ppm	0.0101 ppm	-0.0003 ppm	0.0092 ppm
Concentration per Run	0.0739 ppm	0.0002 ppm	0.0513 ppm	129.2193 ppm	0.0097 ppm	0.0002 ppm	0.0069 ppm
Concentration per Run	0.0773 ppm	0.0001 ppm	0.0502 ppm	131.5411 ppm	0.0106 ppm	0.0002 ppm	0.0067 ppm
Concentration RSD	2.3 %	132.1 %	1.2 %	0.9 %	4.5 %	1,243.3 %	18.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0190 ppm	7.7193 ppm	0.0006 ppm	0.9020 ppm	-0.0007 ppm	0.0009 ppm	0.0170 ppm
Concentration per Run	0.0194 ppm	7.7171 ppm	0.0001 ppm	0.9041 ppm	-0.0008 ppm	0.0001 ppm	0.0170 ppm
Concentration per Run	0.0199 ppm	7.7535 ppm	-0.0007 ppm	0.9040 ppm	-0.0006 ppm	0.0022 ppm	0.0172 ppm
Concentration per Run	0.0177 ppm	7.6873 ppm	0.0024 ppm	0.8978 ppm	-0.0007 ppm	0.0004 ppm	0.0168 ppm
Concentration RSD	6.0 %	0.4 %	280.5 %	0.4 %	14.0 %	119.8 %	1.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	95.8421 %	103.9747 %	90.2394 %	93.2861 %	102.9779 %	94.3973 %
Concentration per Run	0.0005 ppm	95.5134 %	103.9518 %	90.1039 %	93.0298 %	103.5015 %	94.1103 %
Concentration per Run	0.0007 ppm	95.7000 %	104.7606 %	90.4451 %	93.1185 %	101.8151 %	94.6545 %
Concentration per Run	0.0009 ppm	96.3128 %	103.2117 %	90.1694 %	93.7099 %	103.6170 %	94.4271 %
Concentration RSD	28.7 %	0.4 %	0.7 %	0.2 %	0.4 %	1.0 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 3:56:25 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5043 ppm	0.4886 ppm	0.4857 ppm	0.4793 ppm	0.4951 ppm	0.5052 ppm	0.4912 ppm
Concentration per Run	0.5069 ppm	0.4931 ppm	0.4861 ppm	0.4776 ppm	0.4951 ppm	0.5036 ppm	0.4868 ppm
Concentration per Run	0.5044 ppm	0.4863 ppm	0.4836 ppm	0.4789 ppm	0.4926 ppm	0.5052 ppm	0.4933 ppm
Concentration per Run	0.5016 ppm	0.4864 ppm	0.4873 ppm	0.4814 ppm	0.4976 ppm	0.5067 ppm	0.4937 ppm
Recovery Percentage	100.865 %	97.726 %	97.136 %	95.862 %	99.023 %	101.035 %	98.246 %
Concentration RSD	0.5 %	0.8 %	0.4 %	0.4 %	0.5 %	0.3 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5128 ppm	0.5137 ppm	0.5094 ppm	0.5234 ppm	0.4988 ppm	5.3986 ppm	0.4932 ppm
Concentration per Run	0.5147 ppm	0.5164 ppm	0.5123 ppm	0.5248 ppm	0.4988 ppm	5.4172 ppm	0.4881 ppm
Concentration per Run	0.5131 ppm	0.5146 ppm	0.5090 ppm	0.5239 ppm	0.4996 ppm	5.3626 ppm	0.4987 ppm
Concentration per Run	0.5105 ppm	0.5100 ppm	0.5069 ppm	0.5217 ppm	0.4981 ppm	5.4160 ppm	0.4925 ppm
Recovery Percentage	102.557 %	102.739 %	101.874 %	104.690 %	99.764 %	107.972 %	98.630 %
Concentration RSD	0.4 %	0.6 %	0.5 %	0.3 %	0.1 %	0.6 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5231 ppm	0.5056 ppm	0.4883 ppm	10.2139 ppm	0.5179 ppm	0.5140 ppm	0.5182 ppm
Concentration per Run	0.5230 ppm	0.5051 ppm	0.4904 ppm	10.2387 ppm	0.5193 ppm	0.5138 ppm	0.5258 ppm
Concentration per Run	0.5204 ppm	0.5034 ppm	0.4885 ppm	10.0639 ppm	0.5183 ppm	0.5127 ppm	0.5131 ppm
Concentration per Run	0.5261 ppm	0.5084 ppm	0.4861 ppm	10.3389 ppm	0.5161 ppm	0.5156 ppm	0.5159 ppm
Recovery Percentage	104.629 %	101.124 %	97.660 %	102.139 %	103.585 %	102.809 %	103.649 %
Concentration RSD	0.5 %	0.5 %	0.4 %	1.4 %	0.3 %	0.3 %	1.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4846 ppm	5.4057 ppm	0.4885 ppm	0.4983 ppm	0.5074 ppm	0.4896 ppm	0.5161 ppm
Concentration per Run	0.4809 ppm	5.4143 ppm	0.4904 ppm	0.4983 ppm	0.5088 ppm	0.4873 ppm	0.5182 ppm
Concentration per Run	0.4850 ppm	5.4104 ppm	0.4882 ppm	0.4953 ppm	0.5076 ppm	0.4896 ppm	0.5160 ppm
Concentration per Run	0.4878 ppm	5.3925 ppm	0.4869 ppm	0.5012 ppm	0.5057 ppm	0.4920 ppm	0.5140 ppm
Recovery Percentage	96.919 %	102.966 %	97.697 %	99.655 %	101.475 %	97.926 %	103.215 %
Concentration RSD	0.7 %	0.2 %	0.4 %	0.6 %	0.3 %	0.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4899 ppm	102.2397 %	103.3311 %	99.7648 %	100.0426 %	102.1633 %	98.8549 %
Concentration per Run	0.4913 ppm	101.9534 %	103.0677 %	99.8053 %	99.4527 %	102.3976 %	98.6835 %
Concentration per Run	0.4908 ppm	102.5603 %	103.9705 %	99.7028 %	100.1113 %	101.1308 %	98.9081 %
Concentration per Run	0.4876 ppm	102.2053 %	102.9551 %	99.7863 %	100.5637 %	102.9616 %	98.9732 %
Recovery Percentage	97.983 %						
Concentration RSD	0.4 %	0.3 %	0.5 %	0.1 %	0.6 %	0.9 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 3:58:36 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0013 ppm	-0.0005 ppm	0.0021 ppm	-0.0003 ppm	-0.0001 ppm	0.0075 ppm
Concentration per Run	0.0007 ppm	0.0026 ppm	0.0000 ppm	0.0031 ppm	-0.0001 ppm	-0.0001 ppm	0.0089 ppm
Concentration per Run	-0.0003 ppm	0.0061 ppm	0.0001 ppm	0.0029 ppm	-0.0002 ppm	0.0000 ppm	0.0063 ppm
Concentration per Run	-0.0002 ppm	-0.0048 ppm	-0.0016 ppm	0.0005 ppm	-0.0004 ppm	-0.0001 ppm	0.0072 ppm
Recovery Percentage	0.591 %	1.315 %	-10.307 %	7.166 %	-3.437 %	-1.859 %	7.453 %
Concentration RSD	1.430.5 %	426.5 %	189.0 %	66.5 %	32.6 %	42.7 %	17.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0014 ppm	0.2774 ppm	-0.0036 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0001 ppm	0.0008 ppm	0.2623 ppm	-0.0052 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm	0.2931 ppm	-0.0020 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0017 ppm	0.2767 ppm	-0.0036 ppm
Recovery Percentage	0.764 %	1.258 %	0.802 %	-0.572 %	2.722 %	11.096 %	-71.735 %
Concentration RSD	149.8 %	62.7 %	183.7 %	34.0 %	35.2 %	5.6 %	45.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0176 ppm	0.0005 ppm	0.0001 ppm	0.0044 ppm
Concentration per Run	0.0026 ppm	0.0002 ppm	0.0000 ppm	0.0253 ppm	0.0013 ppm	-0.0014 ppm	0.0067 ppm
Concentration per Run	-0.0010 ppm	0.0000 ppm	-0.0005 ppm	0.0154 ppm	-0.0001 ppm	0.0011 ppm	0.0027 ppm
Concentration per Run	-0.0011 ppm	0.0004 ppm	-0.0002 ppm	0.0122 ppm	0.0002 ppm	0.0007 ppm	0.0039 ppm
Recovery Percentage	0.149 %	2.107 %	-0.509 %	0.880 %	1.915 %	1.295 %	8.796 %
Concentration RSD	1,440.5 %	75.7 %	93.7 %	38.8 %	152.3 %	1,042.3 %	46.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0002 ppm	0.0003 ppm	-0.0003 ppm	-0.0001 ppm	-0.0006 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	-0.0011 ppm	0.0011 ppm	0.0006 ppm	-0.0002 ppm	-0.0005 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	-0.0006 ppm	0.0003 ppm	-0.0010 ppm	0.0000 ppm	-0.0004 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run	0.0022 ppm	-0.0006 ppm	-0.0004 ppm	0.0000 ppm	-0.0009 ppm	0.0017 ppm	-0.0002 ppm
Recovery Percentage	1.500 %	0.054 %	-0.515 %	-0.885 %	-5.959 %	4.546 %	0.037 %
Concentration RSD	1,211.7 %	326.9 %	296.2 %	102.6 %	43.0 %	71.3 %	6,104.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	100.8291 %	101.0364 %	99.6338 %	101.0894 %	103.1403 %	99.8826 %
Concentration per Run	0.0008 ppm	101.2494 %	101.7995 %	99.7800 %	101.4488 %	104.3702 %	99.9474 %
Concentration per Run	0.0007 ppm	100.2330 %	99.4254 %	99.6707 %	100.1741 %	101.8505 %	99.6267 %
Concentration per Run	0.0008 ppm	101.0050 %	101.6388 %	99.6961 %	101.6454 %	103.2001 %	100.0736 %
Recovery Percentage	15.547 %						
Concentration RSD	8.7 %	0.5 %	1.2 %	0.2 %	0.8 %	1.2 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-01d2 WG2111252

Analysis started at: 9/12/2025 4:14:48 PM

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Rack Number 2

Vial Numbers 9

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0009 ppm	93.7872 ppm	0.0123 ppm	0.0027 ppm	1.0796 ppm	0.0029 ppm	17.0958 ppm
Concentration per Run	0.0014 ppm	93.4632 ppm	0.0102 ppm	0.0029 ppm	1.0754 ppm	0.0029 ppm	17.0490 ppm
Concentration per Run	0.0005 ppm	93.4470 ppm	0.0153 ppm	0.0037 ppm	1.0752 ppm	0.0028 ppm	17.0315 ppm
Concentration per Run	0.0008 ppm	94.4513 ppm	0.0115 ppm	0.0015 ppm	1.0882 ppm	0.0028 ppm	17.2070 ppm
Concentration RSD	51.7 %	0.6 %	21.4 %	42.0 %	0.7 %	0.9 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0328 ppm	0.1421 ppm	0.0710 ppm	113.7372 ppm	2.4380 ppm	0.0766 ppm
Concentration per Run	0.0004 ppm	0.0324 ppm	0.1403 ppm	0.0705 ppm	113.6101 ppm	2.4425 ppm	0.0785 ppm
Concentration per Run	0.0006 ppm	0.0334 ppm	0.1433 ppm	0.0708 ppm	113.2594 ppm	2.4117 ppm	0.0765 ppm
Concentration per Run	0.0005 ppm	0.0326 ppm	0.1427 ppm	0.0717 ppm	114.3423 ppm	2.4597 ppm	0.0748 ppm
Concentration RSD	15.8 %	1.6 %	1.1 %	0.8 %	0.5 %	1.0 %	2.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	18.1000 ppm	0.7742 ppm	0.0137 ppm	0.4213 ppm	0.0926 ppm	0.0801 ppm	0.0017 ppm
Concentration per Run	17.9202 ppm	0.7747 ppm	0.0139 ppm	0.4219 ppm	0.0910 ppm	0.0790 ppm	0.0040 ppm
Concentration per Run	18.1267 ppm	0.7702 ppm	0.0135 ppm	0.4200 ppm	0.0938 ppm	0.0811 ppm	0.0032 ppm
Concentration per Run	18.2531 ppm	0.7778 ppm	0.0137 ppm	0.4221 ppm	0.0931 ppm	0.0803 ppm	-0.0020 ppm
Concentration RSD	0.9 %	0.5 %	1.7 %	0.3 %	1.6 %	1.3 %	188.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0051 ppm	5.8202 ppm	0.0059 ppm	0.0723 ppm	1.1279 ppm	0.0003 ppm	0.1926 ppm
Concentration per Run	0.0076 ppm	5.7770 ppm	0.0059 ppm	0.0723 ppm	1.1122 ppm	0.0011 ppm	0.1908 ppm
Concentration per Run	0.0039 ppm	5.8439 ppm	0.0058 ppm	0.0721 ppm	1.1344 ppm	-0.0012 ppm	0.1939 ppm
Concentration per Run	0.0039 ppm	5.8395 ppm	0.0060 ppm	0.0726 ppm	1.1371 ppm	0.0009 ppm	0.1931 ppm
Concentration RSD	42.0 %	0.6 %	1.7 %	0.3 %	1.2 %	497.6 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3124 ppm	106.5321 %	109.2603 %	99.1444 %	112.3658 %	118.4087 %	111.3857 %
Concentration per Run	0.3107 ppm	107.1734 %	109.5988 %	98.7226 %	112.8779 %	118.7292 %	110.8000 %
Concentration per Run	0.3126 ppm	106.6514 %	109.1605 %	99.6600 %	112.6751 %	118.1386 %	112.0826 %
Concentration per Run	0.3140 ppm	105.7714 %	109.0215 %	99.0508 %	111.5445 %	118.3583 %	111.2746 %
Concentration RSD	0.5 %	0.7 %	0.3 %	0.5 %	0.6 %	0.3 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-02d2 WG2111252

Analysis started at: 9/12/2025 4:17:04 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	75.6899 ppm	0.0229 ppm	0.0040 ppm	0.7331 ppm	0.0030 ppm	23.5221 ppm
Concentration per Run	-0.0003 ppm	75.6639 ppm	0.0222 ppm	0.0052 ppm	0.7289 ppm	0.0031 ppm	23.2654 ppm
Concentration per Run	0.0006 ppm	75.6044 ppm	0.0233 ppm	0.0022 ppm	0.7334 ppm	0.0030 ppm	23.7760 ppm
Concentration per Run	0.0004 ppm	75.8016 ppm	0.0232 ppm	0.0046 ppm	0.7371 ppm	0.0030 ppm	23.5249 ppm
Concentration RSD	177.5 %	0.1 %	2.6 %	38.9 %	0.6 %	2.4 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0734 ppm	0.1635 ppm	0.1445 ppm	134.4993 ppm	4.9045 ppm	0.0700 ppm
Concentration per Run	0.0005 ppm	0.0737 ppm	0.1639 ppm	0.1444 ppm	132.8171 ppm	4.8791 ppm	0.0682 ppm
Concentration per Run	0.0005 ppm	0.0738 ppm	0.1630 ppm	0.1445 ppm	134.6603 ppm	4.8809 ppm	0.0695 ppm
Concentration per Run	0.0004 ppm	0.0729 ppm	0.1636 ppm	0.1445 ppm	136.0206 ppm	4.9536 ppm	0.0723 ppm
Concentration RSD	16.5 %	0.7 %	0.3 %	0.0 %	1.2 %	0.9 %	3.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	29.4358 ppm	1.5920 ppm	0.0245 ppm	0.6208 ppm	0.1261 ppm	0.0573 ppm	0.0016 ppm
Concentration per Run	29.5071 ppm	1.5806 ppm	0.0248 ppm	0.6302 ppm	0.1278 ppm	0.0572 ppm	-0.0018 ppm
Concentration per Run	29.1884 ppm	1.6038 ppm	0.0242 ppm	0.6147 ppm	0.1250 ppm	0.0574 ppm	0.0040 ppm
Concentration per Run	29.6119 ppm	1.5916 ppm	0.0245 ppm	0.6175 ppm	0.1255 ppm	0.0574 ppm	0.0026 ppm
Concentration RSD	0.7 %	0.7 %	1.2 %	1.3 %	1.2 %	0.2 %	194.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	9.4490 ppm	0.0076 ppm	0.0772 ppm	3.3919 ppm	-0.0023 ppm	0.2223 ppm
Concentration per Run	-0.0002 ppm	9.5033 ppm	0.0074 ppm	0.0767 ppm	3.3901 ppm	-0.0029 ppm	0.2227 ppm
Concentration per Run	0.0041 ppm	9.4369 ppm	0.0085 ppm	0.0773 ppm	3.3714 ppm	-0.0031 ppm	0.2217 ppm
Concentration per Run	-0.0047 ppm	9.4067 ppm	0.0069 ppm	0.0777 ppm	3.4142 ppm	-0.0008 ppm	0.2225 ppm
Concentration RSD	1,584.9 %	0.5 %	11.1 %	0.6 %	0.6 %	56.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3960 ppm	105.4748 %	108.7650 %	98.3004 %	135.3195 %	144.3145 %	134.2564 %
Concentration per Run	0.3968 ppm	105.3003 %	108.5326 %	98.5038 %	135.2010 %	145.3265 %	134.0347 %
Concentration per Run	0.3961 ppm	106.0971 %	109.0619 %	97.6228 %	135.7677 %	144.4014 %	133.9026 %
Concentration per Run	0.3951 ppm	105.0270 %	108.7006 %	98.7747 %	134.9899 %	143.2157 %	134.8318 %
Concentration RSD	0.2 %	0.5 %	0.2 %	0.6 %	0.3 %	0.7 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-03d2 WG2111252

Analysis started at: 9/12/2025 4:19:09 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 11

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0014 ppm	107.6804 ppm	0.0190 ppm	0.0042 ppm	0.4038 ppm	0.0032 ppm	5.6988 ppm
Concentration per Run	0.0017 ppm	108.6122 ppm	0.0189 ppm	0.0041 ppm	0.4059 ppm	0.0033 ppm	5.7387 ppm
Concentration per Run	0.0017 ppm	107.2972 ppm	0.0207 ppm	0.0034 ppm	0.4021 ppm	0.0032 ppm	5.6647 ppm
Concentration per Run	0.0007 ppm	107.1318 ppm	0.0174 ppm	0.0052 ppm	0.4034 ppm	0.0032 ppm	5.6929 ppm
Concentration RSD	41.9 %	0.8 %	8.7 %	21.9 %	0.5 %	1.2 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0026 ppm	0.0407 ppm	0.2632 ppm	0.1058 ppm	120.6052 ppm	4.7647 ppm	0.0474 ppm
Concentration per Run	0.0027 ppm	0.0419 ppm	0.2641 ppm	0.1065 ppm	121.5496 ppm	4.8116 ppm	0.0471 ppm
Concentration per Run	0.0025 ppm	0.0402 ppm	0.2630 ppm	0.1052 ppm	120.3083 ppm	4.7261 ppm	0.0484 ppm
Concentration per Run	0.0026 ppm	0.0402 ppm	0.2625 ppm	0.1058 ppm	119.9576 ppm	4.7564 ppm	0.0467 ppm
Concentration RSD	4.0 %	2.4 %	0.3 %	0.6 %	0.7 %	0.9 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	20.8056 ppm	1.6348 ppm	0.0048 ppm	0.3298 ppm	0.0942 ppm	0.1404 ppm	0.0044 ppm
Concentration per Run	20.8057 ppm	1.6451 ppm	0.0043 ppm	0.3354 ppm	0.0954 ppm	0.1408 ppm	0.0006 ppm
Concentration per Run	20.8897 ppm	1.6322 ppm	0.0047 ppm	0.3261 ppm	0.0934 ppm	0.1398 ppm	0.0024 ppm
Concentration per Run	20.9213 ppm	1.6272 ppm	0.0055 ppm	0.3279 ppm	0.0937 ppm	0.1407 ppm	0.0101 ppm
Concentration RSD	0.6 %	0.6 %	12.8 %	1.5 %	1.2 %	0.4 %	116.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0056 ppm	7.2710 ppm	0.0099 ppm	0.0302 ppm	5.9329 ppm	-0.0003 ppm	0.1941 ppm
Concentration per Run	0.0019 ppm	7.2721 ppm	0.0101 ppm	0.0304 ppm	5.9226 ppm	-0.0006 ppm	0.1945 ppm
Concentration per Run	0.0057 ppm	7.2459 ppm	0.0099 ppm	0.0301 ppm	5.8919 ppm	0.0000 ppm	0.1936 ppm
Concentration per Run	0.0091 ppm	7.2949 ppm	0.0098 ppm	0.0301 ppm	5.9843 ppm	-0.0003 ppm	0.1941 ppm
Concentration RSD	64.8 %	0.3 %	1.4 %	0.6 %	0.8 %	92.4 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3799 ppm	103.4678 %	108.5411 %	98.3497 %	122.3591 %	132.4465 %	123.7594 %
Concentration per Run	0.3799 ppm	103.4172 %	108.3683 %	98.4420 %	122.2107 %	133.4070 %	123.4468 %
Concentration per Run	0.3789 ppm	103.6011 %	108.4782 %	98.2670 %	122.3511 %	131.9453 %	123.8074 %
Concentration per Run	0.3809 ppm	103.3850 %	108.7767 %	98.3402 %	122.5155 %	131.9871 %	124.0239 %
Concentration RSD	0.3 %	0.1 %	0.2 %	0.1 %	0.1 %	0.6 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-04d2 WG2111252

Analysis started at: 9/12/2025 4:21:14 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 12

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	97.6973 ppm	0.0119 ppm	0.0013 ppm	0.7555 ppm	0.0027 ppm	15.4420 ppm
Concentration per Run	0.0008 ppm	97.4416 ppm	0.0137 ppm	0.0000 ppm	0.7550 ppm	0.0027 ppm	15.4082 ppm
Concentration per Run	0.0000 ppm	98.2541 ppm	0.0113 ppm	0.0012 ppm	0.7603 ppm	0.0027 ppm	15.5330 ppm
Concentration per Run	0.0000 ppm	97.3961 ppm	0.0106 ppm	0.0026 ppm	0.7512 ppm	0.0027 ppm	15.3849 ppm
Concentration RSD	171.9 %	0.5 %	13.9 %	100.2 %	0.6 %	1.4 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0007 ppm	0.0557 ppm	0.1532 ppm	0.2145 ppm	140.3472 ppm	22.8328 ppm	0.0663 ppm
Concentration per Run	0.0006 ppm	0.0555 ppm	0.1514 ppm	0.2129 ppm	140.1966 ppm	22.7254 ppm	0.0690 ppm
Concentration per Run	0.0007 ppm	0.0563 ppm	0.1547 ppm	0.2162 ppm	141.4129 ppm	22.9954 ppm	0.0658 ppm
Concentration per Run	0.0007 ppm	0.0553 ppm	0.1534 ppm	0.2146 ppm	139.4320 ppm	22.7776 ppm	0.0640 ppm
Concentration RSD	9.8 %	1.0 %	1.1 %	0.8 %	0.7 %	0.6 %	3.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	31.5720 ppm	3.4561 ppm	0.0009 ppm	0.7181 ppm	0.1200 ppm	0.0407 ppm	0.0006 ppm
Concentration per Run	31.1413 ppm	3.4415 ppm	0.0010 ppm	0.7130 ppm	0.1196 ppm	0.0422 ppm	0.0012 ppm
Concentration per Run	31.9893 ppm	3.4688 ppm	0.0008 ppm	0.7190 ppm	0.1200 ppm	0.0402 ppm	-0.0010 ppm
Concentration per Run	31.5855 ppm	3.4580 ppm	0.0009 ppm	0.7224 ppm	0.1202 ppm	0.0397 ppm	0.0015 ppm
Concentration RSD	1.3 %	0.4 %	9.1 %	0.7 %	0.3 %	3.2 %	226.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	7.6968 ppm	0.0092 ppm	0.0707 ppm	6.8922 ppm	0.0009 ppm	0.2236 ppm
Concentration per Run	0.0012 ppm	7.6224 ppm	0.0087 ppm	0.0709 ppm	6.8019 ppm	0.0010 ppm	0.2215 ppm
Concentration per Run	0.0057 ppm	7.7606 ppm	0.0099 ppm	0.0711 ppm	6.9702 ppm	0.0013 ppm	0.2258 ppm
Concentration per Run	-0.0004 ppm	7.7074 ppm	0.0090 ppm	0.0702 ppm	6.9046 ppm	0.0004 ppm	0.2237 ppm
Concentration RSD	146.9 %	0.9 %	7.1 %	0.6 %	1.2 %	51.7 %	1.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3106 ppm	106.5218 %	109.2117 %	98.9661 %	136.1947 %	145.4606 %	135.5284 %
Concentration per Run	0.3087 ppm	106.8538 %	109.6230 %	98.0077 %	136.2096 %	145.7624 %	134.4939 %
Concentration per Run	0.3134 ppm	105.7508 %	108.5599 %	99.1938 %	136.0595 %	144.1364 %	135.5940 %
Concentration per Run	0.3097 ppm	106.9610 %	109.4521 %	99.6968 %	136.3151 %	146.4830 %	136.4974 %
Concentration RSD	0.8 %	0.6 %	0.5 %	0.9 %	0.1 %	0.8 %	0.7 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-05d2 WG2111252

Analysis started at: 9/12/2025 4:23:19 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 13

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0013 ppm	114.6596 ppm	0.0306 ppm	0.0048 ppm	1.0605 ppm	0.0058 ppm	20.1094 ppm
Concentration per Run	0.0016 ppm	113.9550 ppm	0.0301 ppm	0.0041 ppm	1.0548 ppm	0.0058 ppm	19.9608 ppm
Concentration per Run	0.0011 ppm	115.2937 ppm	0.0314 ppm	0.0062 ppm	1.0639 ppm	0.0059 ppm	20.1400 ppm
Concentration per Run	0.0011 ppm	114.7301 ppm	0.0304 ppm	0.0041 ppm	1.0627 ppm	0.0058 ppm	20.2274 ppm
Concentration RSD	20.4 %	0.6 %	2.2 %	25.1 %	0.5 %	0.8 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0019 ppm	0.0667 ppm	0.2750 ppm	0.1450 ppm	193.8970 ppm	13.1595 ppm	0.1196 ppm
Concentration per Run	0.0021 ppm	0.0669 ppm	0.2740 ppm	0.1450 ppm	193.0700 ppm	13.0912 ppm	0.1211 ppm
Concentration per Run	0.0020 ppm	0.0661 ppm	0.2748 ppm	0.1448 ppm	193.6318 ppm	13.1896 ppm	0.1160 ppm
Concentration per Run	0.0018 ppm	0.0671 ppm	0.2761 ppm	0.1453 ppm	194.9890 ppm	13.1977 ppm	0.1217 ppm
Concentration RSD	7.1 %	0.8 %	0.4 %	0.2 %	0.5 %	0.5 %	2.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	37.8146 ppm	5.6685 ppm	0.0086 ppm	3.1587 ppm	0.1241 ppm	0.1370 ppm	0.0024 ppm
Concentration per Run	37.1323 ppm	5.6347 ppm	0.0084 ppm	3.1526 ppm	0.1238 ppm	0.1379 ppm	0.0059 ppm
Concentration per Run	37.9685 ppm	5.7005 ppm	0.0086 ppm	3.1816 ppm	0.1233 ppm	0.1367 ppm	0.0002 ppm
Concentration per Run	38.3428 ppm	5.6703 ppm	0.0089 ppm	3.1419 ppm	0.1251 ppm	0.1363 ppm	0.0011 ppm
Concentration RSD	1.6 %	0.6 %	2.9 %	0.7 %	0.8 %	0.6 %	126.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0051 ppm	3.2505 ppm	0.0108 ppm	0.0746 ppm	6.0307 ppm	-0.0008 ppm	0.3515 ppm
Concentration per Run	0.0019 ppm	3.2334 ppm	0.0102 ppm	0.0742 ppm	5.9227 ppm	0.0004 ppm	0.3485 ppm
Concentration per Run	0.0063 ppm	3.2517 ppm	0.0117 ppm	0.0748 ppm	6.0586 ppm	-0.0013 ppm	0.3519 ppm
Concentration per Run	0.0072 ppm	3.2665 ppm	0.0107 ppm	0.0748 ppm	6.1107 ppm	-0.0013 ppm	0.3540 ppm
Concentration RSD	55.5 %	0.5 %	7.0 %	0.4 %	1.6 %	128.2 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5313 ppm	104.0669 %	109.9928 %	97.2474 %	143.7843 %	156.4495 %	144.7152 %
Concentration per Run	0.5299 ppm	104.1417 %	109.9283 %	96.7916 %	143.5779 %	156.5218 %	144.3885 %
Concentration per Run	0.5297 ppm	104.3639 %	109.6058 %	96.8441 %	144.2134 %	157.3727 %	143.8544 %
Concentration per Run	0.5343 ppm	103.6951 %	110.4443 %	98.1063 %	143.5615 %	155.4541 %	145.9028 %
Concentration RSD	0.5 %	0.3 %	0.4 %	0.8 %	0.3 %	0.6 %	0.7 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-06d2 WG2111252

Analysis started at: 9/12/2025 4:25:30 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 14

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	106.7589 ppm	0.0286 ppm	0.0052 ppm	0.9321 ppm	0.0045 ppm	22.5873 ppm
Concentration per Run	0.0004 ppm	106.0187 ppm	0.0298 ppm	0.0062 ppm	0.9280 ppm	0.0044 ppm	22.5071 ppm
Concentration per Run	0.0005 ppm	107.0466 ppm	0.0299 ppm	0.0033 ppm	0.9326 ppm	0.0045 ppm	22.6822 ppm
Concentration per Run	0.0001 ppm	107.2116 ppm	0.0292 ppm	0.0061 ppm	0.9358 ppm	0.0045 ppm	22.5726 ppm
Concentration RSD	60.6 %	0.6 %	1.2 %	31.8 %	0.4 %	1.3 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0025 ppm	0.0841 ppm	0.2975 ppm	0.1695 ppm	173.6161 ppm	16.2094 ppm	0.1097 ppm
Concentration per Run	0.0026 ppm	0.0848 ppm	0.2992 ppm	0.1703 ppm	173.4033 ppm	16.1652 ppm	0.1098 ppm
Concentration per Run	0.0023 ppm	0.0833 ppm	0.2955 ppm	0.1686 ppm	174.0558 ppm	16.2043 ppm	0.1098 ppm
Concentration per Run	0.0025 ppm	0.0842 ppm	0.2978 ppm	0.1697 ppm	173.3891 ppm	16.2587 ppm	0.1099 ppm
Concentration RSD	6.4 %	0.9 %	0.6 %	0.5 %	0.2 %	0.3 %	0.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	42.8799 ppm	4.4870 ppm	0.0088 ppm	3.5482 ppm	0.1439 ppm	0.1320 ppm	0.0008 ppm
Concentration per Run	42.5898 ppm	4.4614 ppm	0.0085 ppm	3.4972 ppm	0.1434 ppm	0.1323 ppm	0.0019 ppm
Concentration per Run	42.8867 ppm	4.4932 ppm	0.0084 ppm	3.5619 ppm	0.1431 ppm	0.1317 ppm	-0.0007 ppm
Concentration per Run	43.3631 ppm	4.5065 ppm	0.0094 ppm	3.5856 ppm	0.1453 ppm	0.1320 ppm	0.0014 ppm
Concentration RSD	1.0 %	0.5 %	5.9 %	1.3 %	0.8 %	0.2 %	163.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0063 ppm	3.2192 ppm	0.0096 ppm	0.0820 ppm	6.1653 ppm	0.0006 ppm	0.3245 ppm
Concentration per Run	0.0056 ppm	3.2153 ppm	0.0086 ppm	0.0820 ppm	6.1340 ppm	0.0015 ppm	0.3245 ppm
Concentration per Run	0.0084 ppm	3.1989 ppm	0.0103 ppm	0.0820 ppm	6.1356 ppm	0.0002 ppm	0.3223 ppm
Concentration per Run	0.0049 ppm	3.2435 ppm	0.0100 ppm	0.0820 ppm	6.2263 ppm	0.0002 ppm	0.3268 ppm
Concentration RSD	29.3 %	0.7 %	9.6 %	0.0 %	0.9 %	110.5 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5083 ppm	103.7632 %	109.2615 %	97.9924 %	133.8356 %	144.8376 %	135.4618 %
Concentration per Run	0.5088 ppm	103.5186 %	109.5736 %	97.6915 %	133.1904 %	143.1893 %	135.4620 %
Concentration per Run	0.5043 ppm	104.8463 %	109.3027 %	98.4181 %	135.3033 %	145.4213 %	135.6079 %
Concentration per Run	0.5119 ppm	102.9245 %	108.9083 %	97.8677 %	133.0130 %	145.9023 %	135.3155 %
Concentration RSD	0.8 %	0.9 %	0.3 %	0.4 %	1.0 %	1.0 %	0.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-07d2 WG2111252

Analysis started at: 9/12/2025 4:27:35 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 15

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0007 ppm	95.5655 ppm	0.0203 ppm	0.0030 ppm	0.4231 ppm	0.0035 ppm	4.6295 ppm
Concentration per Run	0.0005 ppm	94.8419 ppm	0.0198 ppm	0.0028 ppm	0.4188 ppm	0.0034 ppm	4.6007 ppm
Concentration per Run	0.0006 ppm	96.4524 ppm	0.0183 ppm	0.0036 ppm	0.4272 ppm	0.0035 ppm	4.6582 ppm
Concentration per Run	0.0010 ppm	95.4020 ppm	0.0226 ppm	0.0027 ppm	0.4232 ppm	0.0035 ppm	4.6306 ppm
Concentration RSD	37.1 %	0.9 %	10.9 %	16.7 %	1.0 %	2.0 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0011 ppm	0.0395 ppm	0.1296 ppm	0.0906 ppm	133.4976 ppm	3.2784 ppm	0.0680 ppm
Concentration per Run	0.0011 ppm	0.0396 ppm	0.1285 ppm	0.0901 ppm	132.3241 ppm	3.2923 ppm	0.0692 ppm
Concentration per Run	0.0011 ppm	0.0397 ppm	0.1303 ppm	0.0904 ppm	134.8256 ppm	3.2944 ppm	0.0661 ppm
Concentration per Run	0.0011 ppm	0.0391 ppm	0.1300 ppm	0.0912 ppm	133.3430 ppm	3.2484 ppm	0.0686 ppm
Concentration RSD	2.3 %	0.8 %	0.7 %	0.6 %	0.9 %	0.8 %	2.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	19.2464 ppm	1.1437 ppm	0.0066 ppm	0.2348 ppm	0.0811 ppm	0.1700 ppm	0.0055 ppm
Concentration per Run	19.0741 ppm	1.1377 ppm	0.0065 ppm	0.2362 ppm	0.0809 ppm	0.1690 ppm	0.0051 ppm
Concentration per Run	19.3281 ppm	1.1510 ppm	0.0071 ppm	0.2336 ppm	0.0807 ppm	0.1702 ppm	0.0063 ppm
Concentration per Run	19.3371 ppm	1.1425 ppm	0.0063 ppm	0.2345 ppm	0.0816 ppm	0.1708 ppm	0.0052 ppm
Concentration RSD	0.8 %	0.6 %	6.8 %	0.6 %	0.6 %	0.5 %	12.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0044 ppm	3.7370 ppm	0.0091 ppm	0.0277 ppm	3.6892 ppm	0.0006 ppm	0.2072 ppm
Concentration per Run	0.0025 ppm	3.7116 ppm	0.0083 ppm	0.0275 ppm	3.6600 ppm	0.0003 ppm	0.2057 ppm
Concentration per Run	0.0071 ppm	3.7322 ppm	0.0099 ppm	0.0279 ppm	3.7089 ppm	0.0015 ppm	0.2079 ppm
Concentration per Run	0.0037 ppm	3.7672 ppm	0.0092 ppm	0.0275 ppm	3.6986 ppm	-0.0001 ppm	0.2081 ppm
Concentration RSD	54.0 %	0.8 %	8.8 %	0.8 %	0.7 %	144.7 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.2950 ppm	103.7601 %	107.4948 %	98.1131 %	118.8309 %	125.1084 %	119.0246 %
Concentration per Run	0.2932 ppm	104.0542 %	108.0040 %	97.7380 %	118.8475 %	126.0828 %	117.9172 %
Concentration per Run	0.2950 ppm	103.5059 %	106.5932 %	98.0343 %	118.7153 %	124.1093 %	119.1098 %
Concentration per Run	0.2968 ppm	103.7203 %	107.8871 %	98.5669 %	118.9299 %	125.1330 %	120.0469 %
Concentration RSD	0.6 %	0.3 %	0.7 %	0.4 %	0.1 %	0.8 %	0.9 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-0862 WG2111252

Analysis started at: 9/12/2025 4:29:40 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 16

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0011 ppm	112.4011 ppm	0.0219 ppm	0.0012 ppm	0.8520 ppm	0.0046 ppm	8.3080 ppm
Concentration per Run	0.0010 ppm	112.3413 ppm	0.0238 ppm	0.0016 ppm	0.8525 ppm	0.0046 ppm	8.3181 ppm
Concentration per Run	0.0014 ppm	112.7029 ppm	0.0217 ppm	0.0002 ppm	0.8550 ppm	0.0046 ppm	8.3296 ppm
Concentration per Run	0.0009 ppm	112.1590 ppm	0.0203 ppm	0.0020 ppm	0.8484 ppm	0.0046 ppm	8.2763 ppm
Concentration RSD	25.8 %	0.2 %	8.1 %	72.9 %	0.4 %	0.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0008 ppm	0.0769 ppm	0.1539 ppm	0.0968 ppm	167.2084 ppm	7.2988 ppm	0.0988 ppm
Concentration per Run	0.0010 ppm	0.0767 ppm	0.1528 ppm	0.0964 ppm	167.6661 ppm	7.2726 ppm	0.0997 ppm
Concentration per Run	0.0006 ppm	0.0773 ppm	0.1547 ppm	0.0974 ppm	167.5651 ppm	7.3503 ppm	0.0998 ppm
Concentration per Run	0.0008 ppm	0.0766 ppm	0.1542 ppm	0.0967 ppm	166.3940 ppm	7.2736 ppm	0.0969 ppm
Concentration RSD	20.0 %	0.5 %	0.6 %	0.5 %	0.4 %	0.6 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	28.5054 ppm	1.9917 ppm	0.0084 ppm	0.3841 ppm	0.1306 ppm	0.0850 ppm	0.0035 ppm
Concentration per Run	28.2237 ppm	1.9889 ppm	0.0087 ppm	0.3831 ppm	0.1298 ppm	0.0856 ppm	0.0015 ppm
Concentration per Run	28.6165 ppm	1.9972 ppm	0.0080 ppm	0.3814 ppm	0.1304 ppm	0.0850 ppm	0.0013 ppm
Concentration per Run	28.6759 ppm	1.9890 ppm	0.0086 ppm	0.3877 ppm	0.1316 ppm	0.0843 ppm	0.0078 ppm
Concentration RSD	0.9 %	0.2 %	4.3 %	0.9 %	0.7 %	0.8 %	106.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0017 ppm	6.0439 ppm	0.0081 ppm	0.0484 ppm	5.0836 ppm	0.0006 ppm	0.2471 ppm
Concentration per Run	0.0002 ppm	6.0009 ppm	0.0080 ppm	0.0485 ppm	5.0286 ppm	-0.0002 ppm	0.2460 ppm
Concentration per Run	0.0050 ppm	6.0672 ppm	0.0093 ppm	0.0484 ppm	5.1083 ppm	0.0005 ppm	0.2477 ppm
Concentration per Run	-0.0002 ppm	6.0636 ppm	0.0069 ppm	0.0482 ppm	5.1141 ppm	0.0015 ppm	0.2476 ppm
Concentration RSD	173.9 %	0.6 %	15.0 %	0.3 %	0.9 %	140.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3639 ppm	107.1465 %	110.2843 %	99.6977 %	128.4764 %	137.0960 %	127.9383 %
Concentration per Run	0.3614 ppm	107.6182 %	110.4522 %	98.8615 %	128.5687 %	137.3911 %	126.6396 %
Concentration per Run	0.3661 ppm	107.1377 %	110.2955 %	100.2688 %	129.0201 %	136.5921 %	128.5968 %
Concentration per Run	0.3641 ppm	106.6836 %	110.1052 %	99.9630 %	127.8403 %	137.3049 %	128.5784 %
Concentration RSD	0.6 %	0.4 %	0.2 %	0.7 %	0.5 %	0.3 %	0.9 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-09d2 WG2111252

Analysis started at: 9/12/2025 4:31:45 PM

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Rack Number 2

Vial Numbers 17

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0012 ppm	100.2093 ppm	0.0208 ppm	0.0043 ppm	0.9007 ppm	0.0034 ppm	20.4928 ppm
Concentration per Run	0.0009 ppm	99.4654 ppm	0.0201 ppm	0.0057 ppm	0.8943 ppm	0.0034 ppm	20.3547 ppm
Concentration per Run	0.0013 ppm	100.7817 ppm	0.0216 ppm	0.0042 ppm	0.9074 ppm	0.0034 ppm	20.5506 ppm
Concentration per Run	0.0013 ppm	100.3808 ppm	0.0206 ppm	0.0031 ppm	0.9004 ppm	0.0035 ppm	20.5724 ppm
Concentration RSD	19.5 %	0.7 %	3.7 %	30.4 %	0.7 %	2.3 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.0674 ppm	0.2557 ppm	0.1789 ppm	196.7600 ppm	19.1723 ppm	0.0939 ppm
Concentration per Run	0.0010 ppm	0.0675 ppm	0.2553 ppm	0.1785 ppm	194.5952 ppm	0.0939 ppm	0.0932 ppm
Concentration per Run	0.0010 ppm	0.0673 ppm	0.2551 ppm	0.1780 ppm	199.5226 ppm	19.3566 ppm	0.0968 ppm
Concentration per Run	0.0008 ppm	0.0675 ppm	0.2567 ppm	0.1802 ppm	196.1622 ppm	19.1510 ppm	0.0917 ppm
Concentration RSD	10.3 %	0.2 %	0.3 %	0.7 %	1.3 %	0.9 %	2.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	39.3702 ppm	1.9893 ppm	0.0109 ppm	0.5813 ppm	0.1468 ppm	0.0724 ppm	-0.0013 ppm
Concentration per Run	39.2269 ppm	1.9822 ppm	0.0112 ppm	0.5742 ppm	0.1459 ppm	0.0714 ppm	0.0008 ppm
Concentration per Run	39.1133 ppm	1.9849 ppm	0.0107 ppm	0.5884 ppm	0.1452 ppm	0.0735 ppm	-0.0016 ppm
Concentration per Run	39.7704 ppm	2.0009 ppm	0.0108 ppm	0.5812 ppm	0.1493 ppm	0.0725 ppm	-0.0032 ppm
Concentration RSD	0.9 %	0.5 %	2.6 %	1.2 %	1.5 %	1.5 %	146.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	8.3076 ppm	0.0099 ppm	0.0598 ppm	6.8697 ppm	0.0002 ppm	0.3486 ppm
Concentration per Run	0.0011 ppm	8.2839 ppm	0.0092 ppm	0.0595 ppm	6.8443 ppm	0.0006 ppm	0.3483 ppm
Concentration per Run	0.0020 ppm	8.2941 ppm	0.0097 ppm	0.0602 ppm	6.8260 ppm	-0.0018 ppm	0.3476 ppm
Concentration per Run	0.0010 ppm	8.3447 ppm	0.0110 ppm	0.0597 ppm	6.9387 ppm	0.0019 ppm	0.3499 ppm
Concentration RSD	36.7 %	0.4 %	9.3 %	0.7 %	0.9 %	892.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4464 ppm	106.1766 %	110.9963 %	99.3589 %	134.4487 %	134.6728 %
Concentration per Run	0.4447 ppm	107.0671 %	112.1315 %	99.2133 %	135.6167 %	134.3698 %
Concentration per Run	0.4443 ppm	106.9236 %	109.7137 %	99.3703 %	142.7554 %	134.6752 %
Concentration per Run	0.4502 ppm	104.5390 %	111.1437 %	99.4932 %	132.5178 %	134.9735 %
Concentration RSD	0.7 %	1.3 %	1.1 %	0.1 %	1.3 %	1.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-10d2 WG2111252

Analysis started at: 9/12/2025 4:33:51 PM

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Rack Number 2

Vial Numbers 18

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	76.0172 ppm	0.0138 ppm	0.0037 ppm	0.7664 ppm	0.0019 ppm	20.1588 ppm
Concentration per Run	0.0000 ppm	75.9220 ppm	0.0161 ppm	0.0027 ppm	0.7663 ppm	0.0019 ppm	20.0252 ppm
Concentration per Run	0.0007 ppm	75.9067 ppm	0.0117 ppm	0.0035 ppm	0.7659 ppm	0.0019 ppm	20.1766 ppm
Concentration per Run	0.0007 ppm	76.2228 ppm	0.0135 ppm	0.0050 ppm	0.7669 ppm	0.0019 ppm	20.2746 ppm
Concentration RSD	79.7 %	0.2 %	16.0 %	30.6 %	0.1 %	2.1 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.0583 ppm	0.1761 ppm	0.1714 ppm	140.3943 ppm	23.4296 ppm	0.0745 ppm
Concentration per Run	0.0008 ppm	0.0580 ppm	0.1748 ppm	0.1705 ppm	140.3768 ppm	23.3185 ppm	0.0754 ppm
Concentration per Run	0.0009 ppm	0.0584 ppm	0.1763 ppm	0.1716 ppm	140.5270 ppm	23.4882 ppm	0.0752 ppm
Concentration per Run	0.0009 ppm	0.0585 ppm	0.1772 ppm	0.1719 ppm	140.2791 ppm	23.4821 ppm	0.0728 ppm
Concentration RSD	6.5 %	0.4 %	0.7 %	0.4 %	0.1 %	0.4 %	2.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	38.7133 ppm	2.6288 ppm	0.0031 ppm	0.6522 ppm	0.2865 ppm	0.0579 ppm	0.0016 ppm
Concentration per Run	38.3979 ppm	2.6209 ppm	0.0029 ppm	0.6437 ppm	0.2841 ppm	0.0592 ppm	-0.0025 ppm
Concentration per Run	38.9345 ppm	2.6274 ppm	0.0031 ppm	0.6565 ppm	0.2880 ppm	0.0567 ppm	0.0035 ppm
Concentration per Run	38.8076 ppm	2.6382 ppm	0.0032 ppm	0.6563 ppm	0.2873 ppm	0.0576 ppm	0.0038 ppm
Concentration RSD	0.7 %	0.3 %	4.5 %	1.1 %	0.7 %	2.2 %	219.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0031 ppm	5.6003 ppm	0.0085 ppm	0.0549 ppm	7.3717 ppm	0.0014 ppm	0.2567 ppm
Concentration per Run	0.0033 ppm	5.5856 ppm	0.0087 ppm	0.0548 ppm	7.3125 ppm	0.0019 ppm	0.2556 ppm
Concentration per Run	0.0036 ppm	5.6265 ppm	0.0076 ppm	0.0548 ppm	7.4302 ppm	0.0009 ppm	0.2576 ppm
Concentration per Run	0.0025 ppm	5.5887 ppm	0.0094 ppm	0.0550 ppm	7.3725 ppm	0.0015 ppm	0.2569 ppm
Concentration RSD	15.8 %	0.4 %	10.7 %	0.2 %	0.8 %	35.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3938 ppm	104.8519 ppm	109.1891 ppm	98.2721 ppm	125.4079 ppm	136.0739 ppm	124.4368 ppm
Concentration per Run	0.3911 ppm	105.7195 ppm	109.4485 ppm	97.6814 ppm	126.2535 ppm	135.5346 ppm	123.6922 ppm
Concentration per Run	0.3959 ppm	104.7083 ppm	109.5173 ppm	98.8152 ppm	125.0502 ppm	136.5524 ppm	125.2310 ppm
Concentration per Run	0.3944 ppm	104.1277 ppm	108.6016 ppm	98.3198 ppm	124.9202 ppm	136.1346 ppm	124.3873 ppm
Concentration RSD	0.6 %	0.8 %	0.5 %	0.6 %	0.6 %	0.4 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-11d2 WG2111252

Analysis started at: 9/12/2025 4:35:57 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 19

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	92.3648 ppm	0.0178 ppm	0.0029 ppm	0.5843 ppm	0.0027 ppm	6.4543 ppm
Concentration per Run	0.0003 ppm	92.0752 ppm	0.0172 ppm	0.0044 ppm	0.5822 ppm	0.0026 ppm	6.4385 ppm
Concentration per Run	-0.0001 ppm	92.1003 ppm	0.0183 ppm	0.0027 ppm	0.5833 ppm	0.0027 ppm	6.4298 ppm
Concentration per Run	0.0000 ppm	92.9190 ppm	0.0180 ppm	0.0017 ppm	0.5874 ppm	0.0026 ppm	6.4945 ppm
Concentration RSD	271.2 %	0.5 %	3.2 %	46.8 %	0.5 %	1.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0449 ppm	0.1280 ppm	0.0863 ppm	129.1373 ppm	8.5307 ppm	0.0704 ppm
Concentration per Run	0.0007 ppm	0.0448 ppm	0.1272 ppm	0.0863 ppm	129.4784 ppm	8.5083 ppm	0.0712 ppm
Concentration per Run	0.0006 ppm	0.0445 ppm	0.1281 ppm	0.0858 ppm	128.1978 ppm	8.4880 ppm	0.0699 ppm
Concentration per Run	0.0006 ppm	0.0454 ppm	0.1287 ppm	0.0868 ppm	129.7357 ppm	8.5959 ppm	0.0700 ppm
Concentration RSD	9.9 %	1.1 %	0.6 %	0.6 %	0.6 %	0.7 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	25.8945 ppm	3.2409 ppm	0.0031 ppm	0.4350 ppm	0.0969 ppm	0.0757 ppm	0.0037 ppm
Concentration per Run	25.3385 ppm	3.2116 ppm	0.0032 ppm	0.4255 ppm	0.0951 ppm	0.0759 ppm	0.0001 ppm
Concentration per Run	25.9300 ppm	3.2583 ppm	0.0028 ppm	0.4389 ppm	0.0973 ppm	0.0767 ppm	0.0054 ppm
Concentration per Run	26.4150 ppm	3.2528 ppm	0.0032 ppm	0.4405 ppm	0.0982 ppm	0.0745 ppm	0.0055 ppm
Concentration RSD	2.1 %	0.8 %	6.0 %	1.9 %	1.7 %	1.4 %	83.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0011 ppm	9.1432 ppm	0.0069 ppm	0.0303 ppm	5.5590 ppm	-0.0007 ppm	0.1913 ppm
Concentration per Run	-0.0002 ppm	9.0486 ppm	0.0065 ppm	0.0304 ppm	5.4750 ppm	-0.0009 ppm	0.1895 ppm
Concentration per Run	0.0022 ppm	9.1050 ppm	0.0081 ppm	0.0300 ppm	5.5376 ppm	-0.0020 ppm	0.1898 ppm
Concentration per Run	0.0013 ppm	9.2779 ppm	0.0059 ppm	0.0303 ppm	5.6643 ppm	0.0007 ppm	0.1945 ppm
Concentration RSD	111.1 %	1.3 %	16.4 %	0.7 %	1.7 %	197.7 %	1.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.3358 ppm	104.4524 %	109.2528 %	99.7600 %	118.8469 %	128.7006 %	120.0807 %
Concentration per Run	0.3314 ppm	105.2500 %	109.7334 %	99.9396 %	119.0455 %	128.5781 %	120.4837 %
Concentration per Run	0.3352 ppm	104.4291 %	109.7391 %	99.5196 %	119.3080 %	130.2982 %	119.4790 %
Concentration per Run	0.3407 ppm	103.6779 %	108.2861 %	99.8208 %	118.1872 %	127.2255 %	120.2795 %
Concentration RSD	1.4 %	0.8 %	0.8 %	0.2 %	0.5 %	1.2 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 4:38:02 PM

Analysis started at:

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Rack Number

Vial Numbers

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3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5066 ppm	0.5213 ppm	0.4856 ppm	0.4776 ppm	0.4955 ppm	0.5026 ppm	0.4892 ppm
Concentration per Run	0.5045 ppm	0.4997 ppm	0.4867 ppm	0.4727 ppm	0.4969 ppm	0.5030 ppm	0.4897 ppm
Concentration per Run	0.5060 ppm	0.5068 ppm	0.4851 ppm	0.4778 ppm	0.4942 ppm	0.5024 ppm	0.4884 ppm
Concentration per Run	0.5092 ppm	0.5572 ppm	0.4850 ppm	0.4824 ppm	0.4953 ppm	0.5025 ppm	0.4893 ppm
Recovery Percentage	101.317 %	104.252 %	97.117 %	95.527 %	99.092 %	100.527 %	97.830 %
Concentration RSD	0.5 %	6.0 %	0.2 %	1.0 %	0.3 %	0.1 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5124 ppm	0.5140 ppm	0.5113 ppm	0.5218 ppm	0.5453 ppm	5.2901 ppm	0.4806 ppm
Concentration per Run	0.5097 ppm	0.5120 ppm	0.5103 ppm	0.5212 ppm	0.5173 ppm	5.3246 ppm	0.4704 ppm
Concentration per Run	0.5100 ppm	0.5144 ppm	0.5097 ppm	0.5210 ppm	0.5343 ppm	5.2744 ppm	0.4805 ppm
Concentration per Run	0.5174 ppm	0.5157 ppm	0.5140 ppm	0.5234 ppm	0.5844 ppm	5.2711 ppm	0.4908 ppm
Recovery Percentage	102.476 %	102.806 %	102.263 %	104.369 %	109.067 %	105.802 %	96.121 %
Concentration RSD	0.9 %	0.4 %	0.5 %	0.3 %	6.4 %	0.6 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5222 ppm	0.5074 ppm	0.4875 ppm	10.2969 ppm	0.5171 ppm	0.5125 ppm	0.5154 ppm
Concentration per Run	0.5179 ppm	0.5109 ppm	0.4850 ppm	10.4745 ppm	0.5164 ppm	0.5119 ppm	0.5168 ppm
Concentration per Run	0.5210 ppm	0.5070 ppm	0.4856 ppm	10.3114 ppm	0.5168 ppm	0.5113 ppm	0.5134 ppm
Concentration per Run	0.5277 ppm	0.5043 ppm	0.4920 ppm	10.1048 ppm	0.5181 ppm	0.5145 ppm	0.5160 ppm
Recovery Percentage	104.444 %	101.480 %	97.504 %	102.969 %	103.417 %	102.509 %	103.076 %
Concentration RSD	1.0 %	0.7 %	0.8 %	1.8 %	0.2 %	0.3 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4825 ppm	5.3675 ppm	0.4896 ppm	0.4965 ppm	0.5124 ppm	0.4866 ppm	0.5154 ppm
Concentration per Run	0.4808 ppm	5.3326 ppm	0.4853 ppm	0.4991 ppm	0.5095 ppm	0.4887 ppm	0.5136 ppm
Concentration per Run	0.4804 ppm	5.3488 ppm	0.4887 ppm	0.4944 ppm	0.5098 ppm	0.4838 ppm	0.5139 ppm
Concentration per Run	0.4862 ppm	5.4212 ppm	0.4950 ppm	0.4959 ppm	0.5179 ppm	0.4873 ppm	0.5187 ppm
Recovery Percentage	96.496 %	102.239 %	97.927 %	99.291 %	102.478 %	97.317 %	103.081 %
Concentration RSD	0.7 %	0.9 %	1.0 %	0.5 %	0.9 %	0.5 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4889 ppm	101.8404 %	103.9706 %	99.8871 %	100.6486 %	104.7614 %	98.8653 %
Concentration per Run	0.4885 ppm	102.6844 %	103.4730 %	100.1029 %	101.5679 %	106.1166 %	98.7968 %
Concentration per Run	0.4877 ppm	102.1247 %	103.4174 %	100.0017 %	101.7939 %	105.0874 %	98.9782 %
Concentration per Run	0.4904 ppm	100.7121 %	105.0212 %	99.5567 %	99.5839 %	103.0803 %	98.8208 %
Recovery Percentage	97.775 %	1.0 %	0.9 %	0.3 %	1.0 %	1.5 %	0.1 %
Concentration RSD	0.3 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCB

Sample: 9/12/2025 4:40:07 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0074 ppm	-0.0013 ppm	0.0021 ppm	-0.0002 ppm	0.0001 ppm	0.0070 ppm
Concentration per Run	0.0004 ppm	0.0018 ppm	-0.0011 ppm	0.0016 ppm	-0.0003 ppm	0.0000 ppm	0.0083 ppm
Concentration per Run	0.0001 ppm	0.0137 ppm	-0.0014 ppm	0.0034 ppm	-0.0002 ppm	0.0001 ppm	0.0088 ppm
Concentration per Run	0.0000 ppm	0.0067 ppm	-0.0015 ppm	0.0014 ppm	0.0000 ppm	0.0002 ppm	0.0038 ppm
Recovery Percentage	2.965 %	7.398 %	-26.496 %	7.133 %	-1.626 %	3.005 %	6.964 %
Concentration RSD	97.4 %	80.8 %	17.9 %	52.4 %	74.9 %	90.9 %	39.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0003 ppm	0.0091 ppm	0.1065 ppm	-0.0030 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0070 ppm	0.0999 ppm	-0.0039 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm	0.0083 ppm	0.1270 ppm	-0.0030 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0008 ppm	-0.0003 ppm	0.0120 ppm	0.0926 ppm	-0.0020 ppm
Recovery Percentage	-1.146 %	1.456 %	2.158 %	-3.126 %	18.262 %	4.259 %	-59.520 %
Concentration RSD	159.3 %	102.6 %	214.9 %	80.5 %	28.3 %	17.0 %	31.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0011 ppm	0.0005 ppm	0.0002 ppm	-0.0011 ppm	-0.0002 ppm	0.0001 ppm	0.0025 ppm
Concentration per Run	0.0009 ppm	0.0003 ppm	0.0004 ppm	-0.0025 ppm	0.0000 ppm	0.0012 ppm	0.0049 ppm
Concentration per Run	0.0025 ppm	0.0005 ppm	0.0001 ppm	0.0016 ppm	-0.0007 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0001 ppm	-0.0023 ppm	0.0000 ppm	-0.0002 ppm	0.0031 ppm
Recovery Percentage	1.125 %	4.625 %	0.385 %	-0.053 %	-0.846 %	0.882 %	5.258 %
Concentration RSD	114.3 %	32.7 %	79.3 %	220.7 %	198.1 %	1,173.8 %	96.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run	0.0008 ppm	-0.0003 ppm	0.0005 ppm	-0.0001 ppm	-0.0004 ppm	0.0014 ppm	0.0004 ppm
Concentration per Run	0.0005 ppm	0.0020 ppm	-0.0002 ppm	-0.0001 ppm	-0.0004 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run	-0.0010 ppm	-0.0017 ppm	-0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm
Recovery Percentage	1.111 %	-0.002 %	0.010 %	-0.051 %	-3.101 %	2.253 %	1.977 %
Concentration RSD	870.5 %	20,101.8 %	8,455.0 %	1,994.6 %	60.6 %	185.5 %	152.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	100.4695 %	102.3088 %	100.0878 %	101.2192 %	103.6055 %	100.1983 %
Concentration per Run	0.0005 ppm	100.0336 %	102.3186 %	100.2165 %	100.7605 %	105.0613 %	100.4498 %
Concentration per Run	0.0007 ppm	100.7474 %	102.2781 %	100.2165 %	100.6598 %	102.3803 %	100.3848 %
Concentration per Run	0.0007 ppm	100.6277 %	102.3238 %	99.8304 %	102.2374 %	103.3748 %	99.7603 %
Recovery Percentage	13.528 %						
Concentration RSD	16.3 %	0.4 %	0.0 %	0.2 %	0.9 %	1.3 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-12d2 WG2111252

Analysis started at: 9/12/2025 4:42:27 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 20

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	113.3678 ppm	0.0144 ppm	0.0035 ppm	0.8428 ppm	0.0027 ppm	9.8942 ppm
Concentration per Run	-0.0005 ppm	112.6914 ppm	0.0145 ppm	0.0032 ppm	0.8356 ppm	0.0027 ppm	9.8342 ppm
Concentration per Run	-0.0004 ppm	113.2122 ppm	0.0146 ppm	0.0046 ppm	0.8483 ppm	0.0027 ppm	9.8730 ppm
Concentration per Run	0.0004 ppm	114.1998 ppm	0.0141 ppm	0.0028 ppm	0.8446 ppm	0.0028 ppm	9.9753 ppm
Concentration RSD	306.8 %	0.7 %	1.8 %	25.8 %	0.8 %	2.5 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0005 ppm	0.0663 ppm	0.1817 ppm	0.1985 ppm	181.0349 ppm	22.9939 ppm	0.0926 ppm
Concentration per Run	0.0004 ppm	0.0662 ppm	0.1817 ppm	0.1986 ppm	179.8719 ppm	22.7872 ppm	0.0941 ppm
Concentration per Run	0.0006 ppm	0.0675 ppm	0.1827 ppm	0.1997 ppm	181.0697 ppm	23.0940 ppm	0.0948 ppm
Concentration per Run	0.0003 ppm	0.0652 ppm	0.1807 ppm	0.1973 ppm	182.1630 ppm	23.1006 ppm	0.0889 ppm
Concentration RSD	27.9 %	1.7 %	0.5 %	0.6 %	0.6 %	0.8 %	3.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	39.5136 ppm	3.5718 ppm	0.0023 ppm	0.6900 ppm	0.1468 ppm	0.1369 ppm	0.0009 ppm
Concentration per Run	39.4972 ppm	3.5388 ppm	0.0018 ppm	0.6814 ppm	0.1470 ppm	0.1376 ppm	0.0021 ppm
Concentration per Run	39.5472 ppm	3.5608 ppm	0.0026 ppm	0.6911 ppm	0.1477 ppm	0.1355 ppm	0.0015 ppm
Concentration per Run	39.4963 ppm	3.6157 ppm	0.0024 ppm	0.6977 ppm	0.1458 ppm	0.1378 ppm	-0.0009 ppm
Concentration RSD	0.1 %	1.1 %	18.7 %	1.2 %	0.6 %	0.9 %	180.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0004 ppm	7.5716 ppm	0.0106 ppm	0.0388 ppm	8.4996 ppm	0.0022 ppm	0.2572 ppm
Concentration per Run	0.0011 ppm	7.5589 ppm	0.0107 ppm	0.0385 ppm	8.4669 ppm	0.0012 ppm	0.2569 ppm
Concentration per Run	-0.0035 ppm	7.5920 ppm	0.0091 ppm	0.0389 ppm	8.5266 ppm	0.0027 ppm	0.2580 ppm
Concentration per Run	0.0013 ppm	7.5638 ppm	0.0119 ppm	0.0390 ppm	8.5054 ppm	0.0026 ppm	0.2567 ppm
Concentration RSD	692.6 %	0.2 %	13.5 %	0.8 %	0.4 %	37.4 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4498 ppm	107.2968 ppm	110.9185 ppm	100.0158 ppm	119.8054 ppm	130.8757 ppm	119.3370 ppm
Concentration per Run	0.4486 ppm	107.1736 ppm	112.2057 ppm	99.0872 ppm	119.6629 ppm	131.0110 ppm	118.4530 ppm
Concentration per Run	0.4521 ppm	107.2787 ppm	111.0760 ppm	100.4198 ppm	119.9343 ppm	130.7879 ppm	119.6025 ppm
Concentration per Run	0.4486 ppm	107.4380 ppm	109.4737 ppm	100.5403 ppm	119.8190 ppm	130.8282 ppm	119.9556 ppm
Concentration RSD	0.4 %	0.1 %	1.2 %	0.8 %	0.1 %	0.1 %	0.7 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-13d2 WG2111252

Analysis started at: 9/12/2025 4:44:32 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 21

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0017 ppm	134.9276 ppm	0.0211 ppm	0.0052 ppm	1.0305 ppm	0.0054 ppm	9.2066 ppm
Concentration per Run	0.0008 ppm	134.2251 ppm	0.0221 ppm	0.0051 ppm	1.0196 ppm	0.0055 ppm	9.1633 ppm
Concentration per Run	0.0021 ppm	135.5655 ppm	0.0210 ppm	0.0051 ppm	1.0380 ppm	0.0054 ppm	9.2289 ppm
Concentration per Run	0.0022 ppm	134.9921 ppm	0.0202 ppm	0.0054 ppm	1.0338 ppm	0.0055 ppm	9.2277 ppm
Concentration RSD	45.9 %	0.5 %	4.4 %	3.1 %	0.9 %	0.4 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0031 ppm	0.0657 ppm	0.3232 ppm	0.1397 ppm	165.9284 ppm	7.6359 ppm	0.0904 ppm
Concentration per Run	0.0031 ppm	0.0649 ppm	0.3234 ppm	0.1388 ppm	163.9211 ppm	7.5629 ppm	0.0876 ppm
Concentration per Run	0.0030 ppm	0.0663 ppm	0.3230 ppm	0.1398 ppm	167.2390 ppm	7.6974 ppm	0.0920 ppm
Concentration per Run	0.0031 ppm	0.0659 ppm	0.3232 ppm	0.1406 ppm	166.6253 ppm	7.6473 ppm	0.0917 ppm
Concentration RSD	1.6 %	1.1 %	0.1 %	0.6 %	1.1 %	0.9 %	2.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	34.8925 ppm	6.6479 ppm	0.0020 ppm	0.3473 ppm	0.1250 ppm	0.1423 ppm	0.0022 ppm
Concentration per Run	35.0728 ppm	6.6291 ppm	0.0018 ppm	0.3502 ppm	0.1242 ppm	0.1416 ppm	0.0011 ppm
Concentration per Run	34.7134 ppm	6.6787 ppm	0.0023 ppm	0.3466 ppm	0.1251 ppm	0.1433 ppm	0.0024 ppm
Concentration per Run	34.8912 ppm	6.6360 ppm	0.0020 ppm	0.3451 ppm	0.1257 ppm	0.1419 ppm	0.0033 ppm
Concentration RSD	0.5 %	0.4 %	12.3 %	0.7 %	0.6 %	0.7 %	50.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0026 ppm	3.9063 ppm	0.0111 ppm	0.0429 ppm	6.3874 ppm	0.0001 ppm	0.2564 ppm
Concentration per Run	0.0018 ppm	3.9016 ppm	0.0116 ppm	0.0427 ppm	6.4289 ppm	0.0010 ppm	0.2565 ppm
Concentration per Run	0.0007 ppm	3.9011 ppm	0.0096 ppm	0.0431 ppm	6.3781 ppm	-0.0007 ppm	0.2559 ppm
Concentration per Run	0.0054 ppm	3.9163 ppm	0.0122 ppm	0.0428 ppm	6.3552 ppm	-0.0001 ppm	0.2567 ppm
Concentration RSD	94.1 %	0.2 %	12.2 %	0.5 %	0.6 %	1,110.2 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5149 ppm	104.6739 %	109.0752 %	98.3352 %	144.2823 %	154.6024 %	145.4277 %
Concentration per Run	0.5160 ppm	105.2081 %	109.3979 %	98.1791 %	145.3870 %	156.8931 %	144.4274 %
Concentration per Run	0.5127 ppm	104.7730 %	109.4210 %	97.5363 %	144.1479 %	154.7395 %	144.7041 %
Concentration per Run	0.5159 ppm	104.0405 %	108.4067 %	99.2901 %	143.3122 %	152.1745 %	147.1515 %
Concentration RSD	0.4 %	0.6 %	0.5 %	0.9 %	0.7 %	1.5 %	1.0 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-14d2 WG2111252

Analysis started at: 9/12/2025 4:46:37 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 22

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0006 ppm	161.5151 ppm	0.0180 ppm	0.0053 ppm	1.3565 ppm	0.0046 ppm	13.6917 ppm
Concentration per Run	0.0000 ppm	161.3558 ppm	0.0167 ppm	0.0057 ppm	1.3582 ppm	0.0048 ppm	13.6870 ppm
Concentration per Run	0.0014 ppm	162.3822 ppm	0.0160 ppm	0.0048 ppm	1.3636 ppm	0.0046 ppm	13.7369 ppm
Concentration per Run	0.0004 ppm	160.8072 ppm	0.0214 ppm	0.0053 ppm	1.3477 ppm	0.0045 ppm	13.6514 ppm
Concentration RSD	115.7 %	0.5 %	16.4 %	8.4 %	0.6 %	2.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.1253 ppm	0.2976 ppm	0.2888 ppm	251.1536 ppm	47.1415 ppm	0.1506 ppm
Concentration per Run	0.0005 ppm	0.1230 ppm	0.2939 ppm	0.2851 ppm	249.8573 ppm	0.1521 ppm	0.1521 ppm
Concentration per Run	0.0006 ppm	0.1273 ppm	0.3005 ppm	0.2917 ppm	253.0677 ppm	47.5195 ppm	0.1489 ppm
Concentration per Run	0.0006 ppm	0.1257 ppm	0.2986 ppm	0.2897 ppm	250.5357 ppm	46.8708 ppm	0.1508 ppm
Concentration RSD	11.9 %	1.7 %	1.1 %	1.2 %	0.7 %	0.7 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	72.5424 ppm	4.9556 ppm	0.0012 ppm	0.5557 ppm	0.2182 ppm	0.0713 ppm	0.0036 ppm
Concentration per Run	71.8377 ppm	4.9472 ppm	0.0014 ppm	0.5616 ppm	0.2163 ppm	0.0709 ppm	0.0024 ppm
Concentration per Run	72.8031 ppm	4.9768 ppm	0.0010 ppm	0.5580 ppm	0.2207 ppm	0.0705 ppm	0.0055 ppm
Concentration per Run	72.9863 ppm	4.9427 ppm	0.0013 ppm	0.5476 ppm	0.2177 ppm	0.0725 ppm	0.0030 ppm
Concentration RSD	0.9 %	0.4 %	19.1 %	1.3 %	1.0 %	1.5 %	45.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	7.1985 ppm	0.0153 ppm	0.0571 ppm	13.8345 ppm	0.0043 ppm	0.4117 ppm
Concentration per Run	0.0010 ppm	7.1055 ppm	0.0154 ppm	0.0572 ppm	13.6796 ppm	0.0037 ppm	0.4074 ppm
Concentration per Run	-0.0023 ppm	7.2619 ppm	0.0151 ppm	0.0573 ppm	13.8995 ppm	0.0030 ppm	0.4145 ppm
Concentration per Run	-0.0002 ppm	7.2280 ppm	0.0155 ppm	0.0569 ppm	13.9245 ppm	0.0061 ppm	0.4134 ppm
Concentration RSD	335.2 %	1.1 %	1.4 %	0.3 %	1.0 %	38.1 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6190 ppm	108.3381 %	114.3363 %	101.0114 %	133.6812 %	146.0321 %	133.9484 %
Concentration per Run	0.6102 ppm	109.4823 %	113.9854 %	100.6112 %	134.0450 %	146.8699 %	133.2753 %
Concentration per Run	0.6255 ppm	107.3761 %	114.3935 %	101.4635 %	132.9615 %	146.1289 %	134.6664 %
Concentration per Run	0.6212 ppm	108.1561 %	114.6300 %	100.9595 %	134.0373 %	145.0975 %	133.9036 %
Concentration RSD	1.3 %	1.0 %	0.3 %	0.4 %	0.5 %	0.6 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-15d2 WG2111252

Analysis started at: 9/12/2025 4:48:43 PM

Comment: <Comment>

Rack Number 2

Vial Numbers 23

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0016 ppm	100.8757 ppm	0.0312 ppm	0.0337 ppm	1.0034 ppm	0.0030 ppm	58.4586 ppm
Concentration per Run	0.0015 ppm	101.2983 ppm	0.0307 ppm	0.0334 ppm	1.0034 ppm	0.0031 ppm	58.5635 ppm
Concentration per Run	0.0018 ppm	100.8129 ppm	0.0306 ppm	0.0327 ppm	1.0070 ppm	0.0030 ppm	58.6926 ppm
Concentration per Run	0.0014 ppm	100.5158 ppm	0.0324 ppm	0.0349 ppm	0.9997 ppm	0.0030 ppm	58.1197 ppm
Concentration RSD	13.1 %	0.4 %	3.3 %	3.5 %	0.4 %	0.7 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0024 ppm	0.0785 ppm	0.0785 ppm	0.2720 ppm	196.6698 ppm	24.3720 ppm	0.1102 ppm
Concentration per Run	0.0025 ppm	0.0795 ppm	0.2090 ppm	0.2726 ppm	196.7753 ppm	24.3876 ppm	0.1092 ppm
Concentration per Run	0.0024 ppm	0.0774 ppm	0.2073 ppm	0.2709 ppm	196.4509 ppm	24.3348 ppm	0.1081 ppm
Concentration per Run	0.0023 ppm	0.0786 ppm	0.2091 ppm	0.2724 ppm	196.7834 ppm	24.3937 ppm	0.1131 ppm
Concentration RSD	4.2 %	1.3 %	0.5 %	0.3 %	0.1 %	0.1 %	2.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	54.1248 ppm	4.7309 ppm	0.0079 ppm	0.5725 ppm	0.1593 ppm	0.8627 ppm	0.0053 ppm
Concentration per Run	54.0058 ppm	4.7447 ppm	0.0080 ppm	0.5711 ppm	0.1606 ppm	0.8657 ppm	0.0056 ppm
Concentration per Run	53.8631 ppm	4.7427 ppm	0.0082 ppm	0.5753 ppm	0.1588 ppm	0.8629 ppm	0.0079 ppm
Concentration per Run	54.5055 ppm	4.7051 ppm	0.0076 ppm	0.5710 ppm	0.1587 ppm	0.8595 ppm	0.0025 ppm
Concentration RSD	0.6 %	0.5 %	3.8 %	0.4 %	0.7 %	0.4 %	51.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0037 ppm	7.2841 ppm	0.0949 ppm	0.1825 ppm	7.9578 ppm	0.0016 ppm	0.2941 ppm
Concentration per Run	0.0047 ppm	7.2817 ppm	0.0933 ppm	0.1828 ppm	7.9585 ppm	0.0021 ppm	0.2946 ppm
Concentration per Run	0.0009 ppm	7.2354 ppm	0.0953 ppm	0.1821 ppm	7.9200 ppm	0.0013 ppm	0.2924 ppm
Concentration per Run	0.0053 ppm	7.3353 ppm	0.0962 ppm	0.1825 ppm	7.9950 ppm	0.0014 ppm	0.2954 ppm
Concentration RSD	65.4 %	0.7 %	1.6 %	0.2 %	0.5 %	29.8 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.9368 ppm	105.0459 ppm	111.6455 ppm	96.5384 ppm	122.2897 ppm	132.7296 ppm	121.2350 ppm
Concentration per Run	0.9372 ppm	104.8749 ppm	110.9728 ppm	96.3164 ppm	121.8950 ppm	133.0894 ppm	120.9558 ppm
Concentration per Run	0.9328 ppm	105.4899 ppm	112.6405 ppm	96.1108 ppm	122.6628 ppm	134.6332 ppm	120.4344 ppm
Concentration per Run	0.9403 ppm	104.7728 ppm	111.3232 ppm	97.1879 ppm	122.3112 ppm	130.4662 ppm	122.3148 ppm
Concentration RSD	0.4 %	0.4 %	0.8 %	0.6 %	0.3 %	1.6 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: eL2555332-16d2 WG2111252

Analysis started at: 9/12/2025 4:50:48 PM

Comment <Comment>

Rack Number 2

Vial Numbers 24

	Ag 328.068	Axial-IFR)	Al 396.152	Radial-IFR)	As 189.042	Axial-eUV)	B 208.959	Axial-IFR)	Ba 455.403	Radial-IFR)	Be 313.042	Radial-IFR)	Ca 315.887	Radial-IFR)
Concentration average	0.0007 ppm		211.8394 ppm		0.0150 ppm		0.0059 ppm		3.0512 ppm		0.0040 ppm		27.8992 ppm	
Concentration per Run	0.0019 ppm		210.8697 ppm		0.0176 ppm		0.0045 ppm		3.0305 ppm		0.0041 ppm		27.7456 ppm	
Concentration per Run	0.0004 ppm		212.6601 ppm		0.0136 ppm		0.0065 ppm		3.0676 ppm		0.0041 ppm		27.9537 ppm	
Concentration per Run	-0.0002 ppm		211.9885 ppm		0.0139 ppm		0.0067 ppm		3.0554 ppm		0.0039 ppm		27.9982 ppm	
Concentration RSD	147.2 %		0.4 %		14.6 %		20.0 %		0.6 %		3.6 %		0.5 %	

	Cd 214.438	Axial-IFR)	Co 228.616	Axial-IFR)	Cr 267.716	Axial-IFR)	Cu 324.754	Axial-IFR)	Fe 259.940	Radial-IFR)	K 766.490	Radial-IFR)	Li 670.776	Radial-IFR)
Concentration average	0.0004 ppm		0.1590 ppm		0.4541 ppm		0.6449 ppm		304.0983 [SIC 800]		87.9020 ppm		0.3249 ppm	
Concentration per Run	0.0006 ppm		0.1599 ppm		0.4522 ppm		0.6429 ppm		301.3306 ppm		87.0015 ppm		0.3195 ppm	
Concentration per Run	0.0002 ppm		0.1581 ppm		0.4519 ppm		0.6430 ppm		305.6120 ppm		88.3724 ppm		0.3270 ppm	
Concentration per Run	0.0004 ppm		0.1590 ppm		0.4581 ppm		0.6488 ppm		305.3521 ppm		88.3319 ppm		0.3283 ppm	
Concentration RSD	41.6 %		0.6 %		0.8 %		0.5 %		0.8 %		0.9 %		1.5 %	

	Mg 279.079	Axial-IFR)	Mn 257.610	Radial-IFR)	Mo 202.030	Axial-IFR)	Na 589.592	Radial-IFR)	Ni 231.604	Axial-IFR)	Pb 220.353	Axial-eUV)	Sb 206.833	Axial-IFR)
Concentration average	117.6642 ppm		4.6752 ppm		0.0003 ppm		1.3962 ppm		0.3168 ppm		0.0677 ppm		0.0008 ppm	
Concentration per Run	115.4162 ppm		4.6585 ppm		0.0006 ppm		1.3978 ppm		0.3153 ppm		0.0681 ppm		0.0031 ppm	
Concentration per Run	118.0449 ppm		4.6897 ppm		-0.0002 ppm		1.4007 ppm		0.3155 ppm		0.0673 ppm		0.0010 ppm	
Concentration per Run	119.5315 ppm		4.6775 ppm		0.0006 ppm		1.3902 ppm		0.3195 ppm		0.0676 ppm		-0.0019 ppm	
Concentration RSD	1.8 %		0.3 %		143.2 %		0.4 %		0.8 %		0.6 %		334.2 %	

	Se 196.090	Axial-eUV)	Si 212.412	Axial-IFR)	Sn 189.989	Axial-IFR)	Sr 421.552	Radial-IFR)	Ti 334.904	Axial-IFR)	Tl 190.856	Axial-eUV)	V 292.402	Axial-IFR)
Concentration average	0.0007 ppm		4.7466 ppm		0.0270 ppm		0.6626 ppm		19.6593 ppm		0.0093 ppm		0.6802 ppm	
Concentration per Run	0.0020 ppm		4.7208 ppm		0.0278 ppm		0.6582 ppm		19.2828 ppm		0.0078 ppm		0.6757 ppm	
Concentration per Run	0.0007 ppm		4.7326 ppm		0.0272 ppm		0.6643 ppm		19.7134 ppm		0.0093 ppm		0.6796 ppm	
Concentration per Run	-0.0004 ppm		4.7862 ppm		0.0260 ppm		0.6652 ppm		19.9817 ppm		0.0108 ppm		0.6854 ppm	
Concentration RSD	162.6 %		0.7 %		3.5 %		0.6 %		1.8 %		16.2 %		0.7 %	

	Zn 206.200	Axial-IFR)	Sc 361.384	Radial-IFR)	Sc 361.384	Radial-IFR)	Sc 227.318	Axial-eUV)	Y 360.073	Axial-IFR)	Y 371.030	Radial-IFR)	Y 224.306	Axial-eUV)
Concentration average	0.6978 ppm		111.5659 %		117.9087 %		102.0405 %		135.5177 %		150.3600 %		135.2621 %	
Concentration per Run	0.6942 ppm		112.3616 %		117.9625 %		101.3236 %		136.1626 %		152.1353 %		134.7544 %	
Concentration per Run	0.6955 ppm		111.9709 %		117.1187 %		103.2813 %		135.7694 %		149.1709 %		136.4686 %	
Concentration per Run	0.7039 ppm		110.3654 %		118.6447 %		101.5166 %		134.6210 %		149.7737 %		134.5632 %	
Concentration RSD	0.8 %		0.9 %		0.6 %		1.1 %		0.6 %		1.0 %		0.8 %	

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-17d2 WG2111252

Analysis started at: 9/12/2025 4:52:53 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 25

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0007 ppm	41.2726 ppm	0.0255 ppm	0.0460 ppm	0.6783 ppm	0.0016 ppm	81.6056 ppm
Concentration per Run	0.0005 ppm	41.7217 ppm	0.0240 ppm	0.0436 ppm	0.6924 ppm	0.0016 ppm	82.7394 ppm
Concentration per Run	0.0009 ppm	41.0847 ppm	0.0252 ppm	0.0470 ppm	0.6764 ppm	0.0016 ppm	81.3076 ppm
Concentration per Run	0.0008 ppm	41.0114 ppm	0.0271 ppm	0.0474 ppm	0.6659 ppm	0.0016 ppm	80.7699 ppm
Concentration RSD	27.5 %	0.9 %	6.2 %	4.6 %	2.0 %	1.0 %	1.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0057 ppm	0.0240 ppm	0.1186 ppm	0.1657 ppm	67.9139 ppm	4.3975 ppm	0.0285 ppm
Concentration per Run	0.0056 ppm	0.0242 ppm	0.1189 ppm	0.1661 ppm	69.2280 ppm	4.4762 ppm	0.0307 ppm
Concentration per Run	0.0059 ppm	0.0244 ppm	0.1188 ppm	0.1658 ppm	67.8457 ppm	4.3758 ppm	0.0301 ppm
Concentration per Run	0.0057 ppm	0.0234 ppm	0.1180 ppm	0.1652 ppm	66.6679 ppm	4.3405 ppm	0.0246 ppm
Concentration RSD	1.9 %	2.1 %	0.4 %	0.3 %	1.9 %	1.6 %	11.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.0262 ppm	2.2678 ppm	0.0037 ppm	0.2577 ppm	0.0655 ppm	0.3589 ppm	0.0041 ppm
Concentration per Run	16.8429 ppm	2.2960 ppm	0.0039 ppm	0.2598 ppm	0.0673 ppm	0.3588 ppm	0.0050 ppm
Concentration per Run	17.1661 ppm	2.2636 ppm	0.0034 ppm	0.2613 ppm	0.0646 ppm	0.3612 ppm	0.0019 ppm
Concentration per Run	17.0696 ppm	2.2439 ppm	0.0038 ppm	0.2522 ppm	0.0646 ppm	0.3566 ppm	0.0054 ppm
Concentration RSD	1.0 %	1.2 %	7.7 %	1.9 %	2.4 %	0.6 %	47.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0049 ppm	11.2317 ppm	0.0112 ppm	0.2849 ppm	2.7946 ppm	-0.0004 ppm	0.1345 ppm
Concentration per Run	0.0085 ppm	11.2001 ppm	0.0113 ppm	0.2914 ppm	2.7454 ppm	-0.0009 ppm	0.1343 ppm
Concentration per Run	0.0043 ppm	11.2798 ppm	0.0114 ppm	0.2844 ppm	2.8203 ppm	-0.0009 ppm	0.1347 ppm
Concentration per Run	0.0020 ppm	11.2152 ppm	0.0108 ppm	0.2788 ppm	2.8180 ppm	0.0004 ppm	0.1345 ppm
Concentration RSD	67.0 %	0.4 %	2.8 %	2.2 %	1.5 %	171.5 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.6765 ppm	102.3231 %	105.7210 %	95.8786 %	110.3866 %	118.0833 %	108.9060 %
Concentration per Run	0.6793 ppm	101.6955 %	104.1035 %	95.9812 %	109.6714 %	115.8525 %	108.9511 %
Concentration per Run	0.6765 ppm	101.9527 %	105.5962 %	95.8199 %	110.2165 %	117.7023 %	109.1582 %
Concentration per Run	0.6736 ppm	103.3209 %	107.4635 %	95.8347 %	111.2720 %	120.6951 %	108.5786 %
Concentration RSD	0.4 %	0.9 %	1.6 %	0.1 %	0.7 %	2.1 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: XL00.005
Analysis started at: 9/12/2025 5:23:59 PM
Comment: <Comment>
Rack Number: 2
Vial Numbers: 26

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0054 ppm	0.0657 ppm	0.0039 ppm	0.0059 ppm	0.0056 ppm	0.0049 ppm	0.0878 ppm
Concentration per Run	0.0058 ppm	0.0516 ppm	0.0042 ppm	0.0051 ppm	0.0056 ppm	0.0050 ppm	0.0692 ppm
Concentration per Run	0.0053 ppm	0.0616 ppm	0.0039 ppm	0.0064 ppm	0.0054 ppm	0.0049 ppm	0.0907 ppm
Concentration per Run	0.0052 ppm	0.0839 ppm	0.0034 ppm	0.0046 ppm	0.0057 ppm	0.0049 ppm	0.1035 ppm
Recovery Percentage	108.716 %	0.000 %	77.235 %	0.000 %	0.000 %	98.832 %	0.000 %
Concentration RSD	6.3 %	25.1 %	10.3 %	19.0 %	2.8 %	1.4 %	19.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0053 ppm	0.0056 ppm	0.0053 ppm	0.0050 ppm	0.1077 ppm	0.1157 ppm	0.0026 ppm
Concentration per Run	0.0053 ppm	0.0060 ppm	0.0054 ppm	0.0051 ppm	0.0896 ppm	0.1363 ppm	0.0038 ppm
Concentration per Run	0.0053 ppm	0.0052 ppm	0.0049 ppm	0.0050 ppm	0.1047 ppm	0.0969 ppm	0.0024 ppm
Concentration per Run	0.0053 ppm	0.0056 ppm	0.0055 ppm	0.0050 ppm	0.1288 ppm	0.1139 ppm	0.0018 ppm
Recovery Percentage	105.922 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	0.7 %	7.9 %	6.2 %	0.7 %	18.3 %	17.1 %	36.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0182 ppm	0.0081 ppm	0.0047 ppm	0.0944 ppm	0.0056 ppm	0.0053 ppm	0.0071 ppm
Concentration per Run	0.0176 ppm	0.0079 ppm	0.0047 ppm	0.0941 ppm	0.0060 ppm	0.0053 ppm	0.0068 ppm
Concentration per Run	0.0177 ppm	0.0081 ppm	0.0046 ppm	0.0953 ppm	0.0052 ppm	0.0049 ppm	0.0092 ppm
Concentration per Run	0.0194 ppm	0.0083 ppm	0.0049 ppm	0.0938 ppm	0.0055 ppm	0.0057 ppm	0.0054 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	5.6 %	2.2 %	2.9 %	0.8 %	8.1 %	8.2 %	26.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0062 ppm	0.0600 ppm	0.0053 ppm	0.0052 ppm	0.0099 ppm	0.0058 ppm	0.0054 ppm
Concentration per Run	0.0083 ppm	0.0610 ppm	0.0051 ppm	0.0052 ppm	0.0098 ppm	0.0061 ppm	0.0055 ppm
Concentration per Run	0.0048 ppm	0.0584 ppm	0.0059 ppm	0.0052 ppm	0.0095 ppm	0.0066 ppm	0.0057 ppm
Concentration per Run	0.0056 ppm	0.0607 ppm	0.0049 ppm	0.0053 ppm	0.0102 ppm	0.0048 ppm	0.0049 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	29.0 %	2.4 %	10.1 %	1.4 %	3.7 %	15.4 %	7.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0057 ppm	100.5088 %	103.2954 %	101.1190 %	101.0538 %	106.0465 %	101.2767 %
Concentration per Run	0.0054 ppm	100.2283 %	103.6149 %	101.6695 %	101.1234 %	106.8293 %	101.9484 %
Concentration per Run	0.0059 ppm	101.5696 %	103.2666 %	101.1805 %	101.5383 %	106.0339 %	101.0968 %
Concentration per Run	0.0057 ppm	99.7285 %	103.0047 %	100.5069 %	100.4997 %	105.2763 %	100.7848 %
Recovery Percentage	113.199 %	0.9 %	0.3 %	0.6 %	0.5 %	0.7 %	0.6 %
Concentration RSD	4.0 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555332-16d10 WG2111252

Analysis started at: 9/12/2025 5:34:57 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 27

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	25.0840 ppm	0.0015 ppm	0.0008 ppm	0.3593 ppm	0.0005 ppm	3.3283 ppm
Concentration per Run	0.0001 ppm	24.9797 ppm	0.0011 ppm	0.0011 ppm	0.3549 ppm	0.0005 ppm	3.3084 ppm
Concentration per Run	0.0005 ppm	24.8770 ppm	0.0034 ppm	0.0013 ppm	0.3575 ppm	0.0005 ppm	3.3107 ppm
Concentration per Run	0.0006 ppm	25.3953 ppm	0.0000 ppm	-0.0003 ppm	0.3656 ppm	0.0004 ppm	3.3659 ppm
Concentration RSD	70.0 %	1.1 %	119.2 %	114.1 %	1.5 %	7.0 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0195 ppm	0.0196 ppm	0.0747 ppm	38.2109 ppm	10.3324 ppm	0.0367 ppm
Concentration per Run	0.0000 ppm	0.0196 ppm	0.0196 ppm	0.0744 ppm	10.1895 ppm	0.0359 ppm	0.0359 ppm
Concentration per Run	-0.0001 ppm	0.0194 ppm	0.0536 ppm	0.0750 ppm	38.0039 ppm	10.3066 ppm	0.0366 ppm
Concentration per Run	0.0000 ppm	0.0193 ppm	0.0541 ppm	0.0748 ppm	38.8354 ppm	10.5010 ppm	0.0376 ppm
Concentration RSD	369.0 %	0.6 %	0.7 %	0.4 %	1.4 %	1.5 %	2.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.3711 ppm	0.5668 ppm	0.0003 ppm	0.1646 ppm	0.0390 ppm	0.0091 ppm	0.0027 ppm
Concentration per Run	14.4516 ppm	0.5635 ppm	0.0002 ppm	0.1697 ppm	0.0399 ppm	0.0095 ppm	0.0039 ppm
Concentration per Run	14.3953 ppm	0.5633 ppm	0.0000 ppm	0.1596 ppm	0.0382 ppm	0.0095 ppm	0.0024 ppm
Concentration per Run	14.2665 ppm	0.5717 ppm	0.0005 ppm	0.1646 ppm	0.0388 ppm	0.0083 ppm	0.0018 ppm
Concentration RSD	0.7 %	0.8 %	105.7 %	3.1 %	2.2 %	7.7 %	40.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0020 ppm	0.5450 ppm	0.0027 ppm	0.0774 ppm	2.3351 ppm	0.0017 ppm	0.0785 ppm
Concentration per Run	0.0051 ppm	0.5456 ppm	0.0027 ppm	0.0764 ppm	2.3448 ppm	0.0016 ppm	0.0785 ppm
Concentration per Run	0.0001 ppm	0.5428 ppm	0.0037 ppm	0.0771 ppm	2.3388 ppm	0.0015 ppm	0.0784 ppm
Concentration per Run	0.0010 ppm	0.5466 ppm	0.0018 ppm	0.0788 ppm	2.3217 ppm	0.0020 ppm	0.0785 ppm
Concentration RSD	132.1 %	0.4 %	35.3 %	1.6 %	0.5 %	16.1 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0841 ppm	102.1676 %	103.7784 %	99.2541 %	103.4430 %	109.4482 %	102.2211 %
Concentration per Run	0.0840 ppm	101.3813 %	103.9128 %	99.7884 %	102.3037 %	109.9746 %	102.7980 %
Concentration per Run	0.0842 ppm	102.5351 %	104.5864 %	98.3913 %	104.0643 %	110.7672 %	101.5745 %
Concentration per Run	0.0841 ppm	102.5865 %	102.8360 %	99.5825 %	103.9610 %	107.6029 %	102.2908 %
Concentration RSD	0.1 %	0.7 %	0.9 %	0.8 %	1.0 %	1.5 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCV

Sample: 9/12/2025 5:37:17 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

<Comment>

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5060 ppm	0.4958 ppm	0.4822 ppm	0.4757 ppm	0.4965 ppm	0.5039 ppm	0.4880 ppm
Concentration per Run	0.5007 ppm	0.4944 ppm	0.4872 ppm	0.4677 ppm	0.5042 ppm	0.4984 ppm	0.4960 ppm
Concentration per Run	0.5055 ppm	0.4920 ppm	0.4820 ppm	0.4767 ppm	0.4929 ppm	0.4987 ppm	0.4781 ppm
Concentration per Run	0.5119 ppm	0.5009 ppm	0.4773 ppm	0.4827 ppm	0.4982 ppm	0.5089 ppm	0.4900 ppm
Recovery Percentage	101.202 %	99.155 %	96.435 %	95.145 %	99.294 %	100.785 %	97.608 %
Concentration RSD	1.1 %	0.9 %	1.0 %	1.6 %	0.6 %	1.0 %	1.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5113 ppm	0.5137 ppm	0.5104 ppm	0.5221 ppm	0.5232 ppm	5.2318 ppm	0.4871 ppm
Concentration per Run	0.5046 ppm	0.5091 ppm	0.5033 ppm	0.5164 ppm	0.5186 ppm	5.2413 ppm	0.4873 ppm
Concentration per Run	0.5116 ppm	0.5142 ppm	0.5130 ppm	0.5231 ppm	0.5137 ppm	5.1869 ppm	0.4831 ppm
Concentration per Run	0.5177 ppm	0.5177 ppm	0.5149 ppm	0.5269 ppm	0.5373 ppm	5.2674 ppm	0.4911 ppm
Recovery Percentage	102.258 %	102.734 %	102.083 %	104.426 %	104.642 %	104.637 %	97.429 %
Concentration RSD	1.3 %	0.8 %	1.2 %	1.0 %	2.4 %	0.8 %	0.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5275 ppm	0.5042 ppm	0.4866 ppm	10.2777 ppm	0.5187 ppm	0.5157 ppm	0.5147 ppm
Concentration per Run	0.5210 ppm	0.5077 ppm	0.4808 ppm	10.2341 ppm	0.5112 ppm	0.5220 ppm	0.5095 ppm
Concentration per Run	0.5255 ppm	0.4989 ppm	0.4858 ppm	10.2530 ppm	0.5193 ppm	0.5159 ppm	0.5146 ppm
Concentration per Run	0.5361 ppm	0.5060 ppm	0.4932 ppm	10.3460 ppm	0.5257 ppm	0.5093 ppm	0.5199 ppm
Recovery Percentage	105.505 %	100.840 %	97.318 %	102.777 %	103.749 %	103.146 %	102.936 %
Concentration RSD	1.5 %	0.9 %	1.3 %	0.6 %	1.4 %	1.2 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4805 ppm	5.3835 ppm	0.4862 ppm	0.4969 ppm	0.5127 ppm	0.4862 ppm	0.5163 ppm
Concentration per Run	0.4814 ppm	5.3264 ppm	0.4797 ppm	0.4980 ppm	0.5112 ppm	0.4902 ppm	0.5112 ppm
Concentration per Run	0.4862 ppm	5.3766 ppm	0.4852 ppm	0.4928 ppm	0.5123 ppm	0.4876 ppm	0.5170 ppm
Concentration per Run	0.4737 ppm	5.4476 ppm	0.4935 ppm	0.4999 ppm	0.5183 ppm	0.4809 ppm	0.5208 ppm
Recovery Percentage	96.090 %	102.544 %	97.234 %	99.378 %	102.544 %	97.245 %	103.262 %
Concentration RSD	1.3 %	1.1 %	1.4 %	0.7 %	1.0 %	1.0 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4876 ppm	100.5011 %	103.0683 %	98.8041 %	99.1381 %	104.2359 %	97.7543 %
Concentration per Run	0.4799 ppm	101.9485 %	103.3698 %	98.2293 %	100.7877 %	104.2726 %	97.1012 %
Concentration per Run	0.4891 ppm	100.5060 %	103.2854 %	98.6533 %	99.3617 %	105.4494 %	97.8963 %
Concentration per Run	0.4938 ppm	99.0486 %	102.5497 %	99.5298 %	97.2648 %	102.9858 %	98.2654 %
Recovery Percentage	97.514 %	1.4 %	0.4 %	0.7 %	1.8 %	1.2 %	0.6 %
Concentration RSD	1.5 %	1.4 %	0.4 %	0.7 %	1.8 %	1.2 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCB

Sample: 9/12/2025 5:39:23 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0048 ppm	-0.0008 ppm	0.0016 ppm	-0.0001 ppm	0.0002 ppm	0.0063 ppm
Concentration per Run	0.0004 ppm	0.0013 ppm	0.0006 ppm	0.0011 ppm	-0.0003 ppm	0.0001 ppm	0.0078 ppm
Concentration per Run	0.0006 ppm	0.0007 ppm	-0.0031 ppm	0.0019 ppm	0.0001 ppm	0.0002 ppm	0.0061 ppm
Concentration per Run	0.0000 ppm	0.0122 ppm	0.0002 ppm	0.0018 ppm	0.0001 ppm	0.0003 ppm	0.0051 ppm
Recovery Percentage	4.425 %	4.761 %	-15.244 %	5.345 %	-0.517 %	4.101 %	6.332 %
Concentration RSD	102.5 %	136.3 %	271.1 %	26.6 %	370.4 %	63.3 %	21.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0004 ppm	0.0054 ppm	0.0616 ppm	-0.0039 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0038 ppm	0.0649 ppm	-0.0044 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0052 ppm	0.0409 ppm	-0.0039 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0008 ppm	-0.0005 ppm	0.0073 ppm	0.0791 ppm	-0.0034 ppm
Recovery Percentage	1.376 %	-0.342 %	2.859 %	-4.356 %	10.861 %	2.465 %	-77.224 %
Concentration RSD	19.4 %	244.9 %	153.8 %	43.5 %	32.7 %	31.3 %	13.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0009 ppm	0.0002 ppm	0.0000 ppm	-0.0029 ppm	0.0007 ppm	0.0006 ppm	0.0022 ppm
Concentration per Run	0.0019 ppm	0.0001 ppm	-0.0002 ppm	-0.0122 ppm	0.0009 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0010 ppm	0.0003 ppm	0.0002 ppm	0.0020 ppm	0.0003 ppm	0.0004 ppm	0.0013 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0015 ppm	0.0008 ppm	0.0011 ppm	0.0055 ppm
Recovery Percentage	0.873 %	2.276 %	0.083 %	-0.145 %	2.664 %	5.762 %	4.328 %
Concentration RSD	127.0 %	65.0 %	511.6 %	278.0 %	53.9 %	71.7 %	139.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0008 ppm	-0.0006 ppm	0.0002 ppm	0.0001 ppm	-0.0007 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run	0.0024 ppm	0.0005 ppm	-0.0002 ppm	0.0001 ppm	-0.0010 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	-0.0010 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0007 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run	0.0009 ppm	-0.0021 ppm	0.0010 ppm	0.0001 ppm	-0.0004 ppm	0.0019 ppm	0.0002 ppm
Recovery Percentage	7.524 %	-0.117 %	0.457 %	0.987 %	-7.212 %	7.100 %	1.192 %
Concentration RSD	225.6 %	226.8 %	286.5 %	48.2 %	39.7 %	31.4 %	113.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	99.4979 %	100.4905 %	98.1969 %	100.2932 %	102.9458 %	98.2957 %
Concentration per Run	0.0005 ppm	99.7712 %	100.0102 %	97.8483 %	100.7821 %	102.4842 %	97.9871 %
Concentration per Run	0.0005 ppm	100.1202 %	100.8142 %	98.7907 %	100.9271 %	102.8742 %	98.8346 %
Concentration per Run	0.0004 ppm	98.6025 %	100.6470 %	97.9518 %	99.1704 %	103.4790 %	98.0655 %
Recovery Percentage	10.346 %	0.8 %	0.4 %	0.5 %	1.0 %	0.5 %	0.5 %
Concentration RSD	24.3 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2112543-1 WG2112543

Analysis started at: 9/12/2025 5:43:57 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 28

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	-0.0008 ppm	0.0017 ppm	-0.0002 ppm	-0.0001 ppm	0.0039 ppm
Concentration per Run	-0.0002 ppm	-0.0048 ppm	-0.0009 ppm	0.0015 ppm	-0.0003 ppm	-0.0001 ppm	0.0055 ppm
Concentration per Run	0.0003 ppm	0.0020 ppm	-0.0022 ppm	0.0018 ppm	-0.0003 ppm	0.0000 ppm	0.0070 ppm
Concentration per Run	0.0003 ppm	0.0045 ppm	0.0008 ppm	0.0017 ppm	-0.0001 ppm	-0.0001 ppm	-0.0009 ppm
Concentration RSD	249.8 %	864.0 %	191.5 %	8.4 %	59.9 %	38.9 %	107.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0057 ppm	0.0920 ppm	-0.0034 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	-0.0002 ppm	-0.0005 ppm	0.0052 ppm	0.0982 ppm	-0.0051 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0052 ppm	0.0979 ppm	-0.0041 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0067 ppm	0.0799 ppm	-0.0009 ppm
Concentration RSD	80.8 %	268.1 %	7.529.8 %	347.3 %	15.7 %	11.4 %	64.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0007 ppm	0.0003 ppm	-0.0003 ppm	-0.0138 ppm	0.0001 ppm	-0.0004 ppm	0.0022 ppm
Concentration per Run	-0.0007 ppm	0.0005 ppm	-0.0003 ppm	-0.0065 ppm	0.0007 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run	0.0032 ppm	0.0000 ppm	-0.0002 ppm	-0.0146 ppm	-0.0009 ppm	-0.0008 ppm	0.0057 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	-0.0003 ppm	-0.0202 ppm	0.0004 ppm	0.0002 ppm	0.0006 ppm
Concentration RSD	292.8 %	93.9 %	32.4 %	49.9 %	1.383.5 %	141.5 %	135.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	0.0079 ppm	-0.0009 ppm	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	0.0039 ppm	0.0069 ppm	-0.0006 ppm	-0.0001 ppm	-0.0003 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0008 ppm	0.0092 ppm	-0.0010 ppm	0.0001 ppm	-0.0005 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run	-0.0018 ppm	0.0076 ppm	-0.0011 ppm	-0.0001 ppm	-0.0002 ppm	0.0012 ppm	0.0002 ppm
Concentration RSD	298.3 %	15.3 %	30.4 %	195.4 %	44.7 %	153.4 %	461.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0002 ppm	100.4787 %	103.3814 %	100.2935 %	101.2411 %	106.0479 %	99.8752 %
Concentration per Run	0.0003 ppm	100.9385 %	103.4732 %	100.9916 %	101.6197 %	106.9588 %	100.4944 %
Concentration per Run	0.0003 ppm	99.8118 %	104.4807 %	100.1734 %	100.2865 %	106.3968 %	99.7162 %
Concentration per Run	0.0002 ppm	100.6857 %	102.1904 %	99.7157 %	101.8170 %	104.7881 %	99.4151 %
Concentration RSD	15.7 %	0.6 %	1.1 %	0.6 %	0.8 %	1.1 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2112543-2 WG2112543

Analysis started at: 9/12/2025 5:46:08 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 29

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0505 ppm	1.9927 ppm	0.1188 ppm	0.9455 ppm	1.9466 ppm	0.0493 ppm	9.8221 ppm
Concentration per Run	0.0511 ppm	2.0012 ppm	0.1188 ppm	0.9456 ppm	1.9584 ppm	0.0494 ppm	9.8234 ppm
Concentration per Run	0.0502 ppm	1.9757 ppm	0.1176 ppm	0.9391 ppm	1.9357 ppm	0.0490 ppm	9.7581 ppm
Concentration per Run	0.0503 ppm	2.0011 ppm	0.1201 ppm	0.9518 ppm	1.9457 ppm	0.0494 ppm	9.8847 ppm
Concentration RSD	1.0 %	0.7 %	1.1 %	0.7 %	0.6 %	0.5 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0521 ppm	0.4888 ppm	0.1978 ppm	0.2516 ppm	0.9743 ppm	10.3427 ppm	-0.0032 ppm
Concentration per Run	0.0524 ppm	0.4869 ppm	0.1972 ppm	0.2516 ppm	0.9804 ppm	10.3820 ppm	-0.0040 ppm
Concentration per Run	0.0519 ppm	0.4878 ppm	0.1968 ppm	0.2500 ppm	0.9677 ppm	10.3149 ppm	-0.0033 ppm
Concentration per Run	0.0521 ppm	0.4918 ppm	0.1994 ppm	0.2531 ppm	0.9750 ppm	10.3312 ppm	-0.0022 ppm
Concentration RSD	0.4 %	0.5 %	0.7 %	0.6 %	0.7 %	0.3 %	28.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.1421 ppm	0.4882 ppm	0.9707 ppm	10.2830 ppm	0.4980 ppm	0.5465 ppm	0.5023 ppm
Concentration per Run	10.2791 ppm	0.4904 ppm	0.9716 ppm	10.2381 ppm	0.5002 ppm	0.5444 ppm	0.5021 ppm
Concentration per Run	10.0423 ppm	0.4852 ppm	0.9660 ppm	10.2595 ppm	0.4937 ppm	0.5419 ppm	0.5030 ppm
Concentration per Run	10.1049 ppm	0.4889 ppm	0.9743 ppm	10.2914 ppm	0.5002 ppm	0.5533 ppm	0.5017 ppm
Concentration RSD	1.2 %	0.5 %	0.4 %	0.2 %	0.7 %	1.1 %	0.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1197 ppm	1.1122 ppm	0.9572 ppm	0.9651 ppm	0.9956 ppm	0.1179 ppm	0.5123 ppm
Concentration per Run	0.1210 ppm	1.1117 ppm	0.9635 ppm	0.9713 ppm	1.0072 ppm	0.1174 ppm	0.5126 ppm
Concentration per Run	0.1156 ppm	1.1056 ppm	0.9434 ppm	0.9603 ppm	0.9908 ppm	0.1170 ppm	0.5098 ppm
Concentration per Run	0.1223 ppm	1.1192 ppm	0.9647 ppm	0.9635 ppm	0.9888 ppm	0.1195 ppm	0.5145 ppm
Concentration RSD	3.0 %	0.6 %	1.2 %	0.6 %	1.0 %	1.1 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4753 ppm	101.8909 %	104.5584 %	97.2517 %	100.3441 %	104.8567 %	96.7818 %
Concentration per Run	0.4767 ppm	100.8939 %	104.3011 %	97.7784 %	98.7826 %	105.0460 %	97.1708 %
Concentration per Run	0.4737 ppm	102.7448 %	98.1753 %	98.1753 %	101.4456 %	105.9468 %	97.4462 %
Concentration per Run	0.4755 ppm	102.0341 %	104.2260 %	95.8014 %	100.8041 %	103.5774 %	95.7283 %
Concentration RSD	0.3 %	0.9 %	0.5 %	1.3 %	1.4 %	1.1 %	1.0 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554886-01 WG2112543

Analysis started at: 9/12/2025 5:49:57 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 30

	Ag 328.068	Axial-IFR)	Al 396.152	Radial-IFR)	As 189.042	Axial-eUV)	B 208.959	Axial-IFR)	Ba 455.403	Radial-IFR)	Be 313.042	Radial-IFR)	Ca 315.887	Radial-IFR)
Concentration average	0.0003 ppm		0.0078 ppm		0.0078 ppm		-0.0012 ppm		0.0500 ppm		0.0419 ppm		0.0000 ppm	
Concentration per Run	-0.0001 ppm		0.0118 ppm		0.0118 ppm		0.0003 ppm		0.0506 ppm		0.0417 ppm		0.0000 ppm	
Concentration per Run	0.0009 ppm		0.0022 ppm		0.0022 ppm		-0.0026 ppm		0.0499 ppm		0.0418 ppm		0.0000 ppm	
Concentration per Run	0.0001 ppm		0.0093 ppm		0.0093 ppm		-0.0012 ppm		0.0496 ppm		0.0421 ppm		0.0000 ppm	
Concentration RSD	198.1 %		63.8 %		63.8 %		123.2 %		1.0 %		0.5 %		490.4 %	

	Cd 214.438	Axial-IFR)	Co 228.616	Radial-IFR)	Cr 267.716	Axial-IFR)	Cu 324.754	Axial-IFR)	Fe 259.940	Radial-IFR)	K 766.490	Radial-IFR)	Li 670.776	Radial-IFR)
Concentration average	0.0000 ppm		0.0012 ppm		0.0012 ppm		0.0010 ppm		0.0086 ppm		3.4897 ppm		-0.0035 ppm	
Concentration per Run	0.0000 ppm		0.0014 ppm		0.0014 ppm		0.0011 ppm		0.0087 ppm		3.4966 ppm		-0.0035 ppm	
Concentration per Run	0.0000 ppm		0.0010 ppm		0.0010 ppm		0.0010 ppm		0.0089 ppm		3.4773 ppm		-0.0047 ppm	
Concentration per Run	0.0000 ppm		0.0012 ppm		0.0012 ppm		0.0009 ppm		0.0082 ppm		3.4950 ppm		-0.0025 ppm	
Concentration RSD	306.5 %		17.7 %		17.7 %		30.3 %		10.5 %		4.2 %		0.3 %	

	Mg 279.079	Axial-IFR)	Mn 257.610	Radial-IFR)	Mo 202.030	Axial-IFR)	Na 589.592	Radial-IFR)	Ni 231.604	Axial-IFR)	Pb 220.353	Axial-eUV)	Sb 206.833	Axial-IFR)
Concentration average	5.9169 ppm		0.1034 ppm		0.0022 ppm		56.0485 ppm		0.0022 ppm		0.0014 ppm		0.0068 ppm	
Concentration per Run	5.9245 ppm		0.1029 ppm		0.0028 ppm		56.2079 ppm		0.0026 ppm		0.0007 ppm		0.0069 ppm	
Concentration per Run	5.9417 ppm		0.1031 ppm		0.0020 ppm		55.5458 ppm		0.0027 ppm		0.0017 ppm		0.0076 ppm	
Concentration per Run	5.8845 ppm		0.1042 ppm		0.0017 ppm		56.3918 ppm		0.0013 ppm		0.0019 ppm		0.0060 ppm	
Concentration RSD	0.5 %		0.7 %		26.0 %		0.8 %		35.9 %		47.1 %		11.2 %	

	Se 196.090	Axial-eUV)	Si 212.412	Axial-IFR)	Sn 189.989	Axial-IFR)	Sr 421.552	Radial-IFR)	Ti 334.904	Axial-IFR)	Tl 190.856	Axial-eUV)	V 292.402	Axial-IFR)
Concentration average	0.0006 ppm		3.9296 ppm		0.0019 ppm		0.0780 ppm		0.0019 ppm		0.0006 ppm		0.0012 ppm	
Concentration per Run	-0.0003 ppm		3.9323 ppm		0.0011 ppm		0.0775 ppm		0.0014 ppm		0.0001 ppm		0.0015 ppm	
Concentration per Run	0.0029 ppm		3.9525 ppm		0.0017 ppm		0.0780 ppm		0.0022 ppm		0.0009 ppm		0.0011 ppm	
Concentration per Run	-0.0010 ppm		3.9041 ppm		0.0029 ppm		0.0784 ppm		0.0020 ppm		0.0007 ppm		0.0012 ppm	
Concentration RSD	366.6 %		0.6 %		49.4 %		0.5 %		21.0 %		78.0 %		18.6 %	

	Zn 206.200	Axial-IFR)	Sc 361.384	Radial-IFR)	Sc 361.384	Radial-IFR)	Sc 227.318	Axial-eUV)	Y 360.073	Axial-IFR)	Y 371.030	Radial-IFR)	Y 224.306	Axial-eUV)
Concentration average	0.0160 ppm		101.0441 %		103.7262 %		97.5163 %		99.7314 %		103.7441 %		97.6840 %	
Concentration per Run	0.0157 ppm		100.9385 %		104.0361 %		97.0715 %		99.9407 %		105.2064 %		96.9501 %	
Concentration per Run	0.0161 ppm		100.9517 %		104.3679 %		97.3630 %		99.5241 %		102.8488 %		97.6703 %	
Concentration per Run	0.0161 ppm		101.2421 %		102.7746 %		98.1145 %		99.7295 %		103.1772 %		98.4315 %	
Concentration RSD	1.2 %		0.2 %		0.8 %		0.6 %		0.2 %		1.2 %		0.8 %	

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2112543-3 WG2112543

Analysis started at: 9/12/2025 5:52:07 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 31

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0506 ppm	2.0280 ppm	0.1202 ppm	1.0060 ppm	2.0095 ppm	0.0506 ppm	17.0759 ppm
Concentration per Run	0.0505 ppm	2.0346 ppm	0.1219 ppm	1.0019 ppm	2.0026 ppm	0.0505 ppm	17.0284 ppm
Concentration per Run	0.0501 ppm	2.0147 ppm	0.1191 ppm	1.0024 ppm	2.0105 ppm	0.0505 ppm	17.0306 ppm
Concentration per Run	0.0511 ppm	2.0346 ppm	0.1197 ppm	1.0136 ppm	2.0155 ppm	0.0507 ppm	17.1686 ppm
Concentration RSD	1.0 %	0.6 %	1.2 %	0.7 %	0.3 %	0.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0528 ppm	0.4900 ppm	0.1987 ppm	0.2527 ppm	0.9946 ppm	13.6891 ppm	-0.0040 ppm
Concentration per Run	0.0528 ppm	0.4875 ppm	0.1980 ppm	0.2525 ppm	0.9919 ppm	13.6538 ppm	-0.0050 ppm
Concentration per Run	0.0525 ppm	0.4882 ppm	0.1983 ppm	0.2521 ppm	0.9949 ppm	13.6749 ppm	-0.0035 ppm
Concentration per Run	0.0530 ppm	0.4943 ppm	0.1999 ppm	0.2536 ppm	0.9970 ppm	13.7387 ppm	-0.0035 ppm
Concentration RSD	0.5 %	0.8 %	0.5 %	0.3 %	0.3 %	0.3 %	20.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	15.8183 ppm	0.5938 ppm	0.9736 ppm	65.0976 ppm	0.4997 ppm	0.5331 ppm	0.5116 ppm
Concentration per Run	15.8717 ppm	0.5944 ppm	0.9712 ppm	64.7082 ppm	0.5006 ppm	0.5358 ppm	0.5058 ppm
Concentration per Run	15.7039 ppm	0.5919 ppm	0.9700 ppm	64.9867 ppm	0.4969 ppm	0.5314 ppm	0.5162 ppm
Concentration per Run	15.8794 ppm	0.5950 ppm	0.9794 ppm	65.5978 ppm	0.5015 ppm	0.5320 ppm	0.5126 ppm
Concentration RSD	0.6 %	0.3 %	0.5 %	0.7 %	0.5 %	0.4 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1209 ppm	5.0821 ppm	0.9500 ppm	1.0409 ppm	1.0068 ppm	0.1135 ppm	0.5210 ppm
Concentration per Run	0.1187 ppm	5.0649 ppm	0.9458 ppm	1.0347 ppm	1.0074 ppm	0.1129 ppm	0.5203 ppm
Concentration per Run	0.1211 ppm	5.0669 ppm	0.9449 ppm	1.0395 ppm	1.0023 ppm	0.1131 ppm	0.5188 ppm
Concentration per Run	0.1227 ppm	5.1144 ppm	0.9595 ppm	1.0484 ppm	1.0106 ppm	0.1145 ppm	0.5239 ppm
Concentration RSD	1.7 %	0.6 %	0.9 %	0.7 %	0.4 %	0.8 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5000 ppm	100.6018 %	103.9695 %	96.7311 %	98.7894 %	103.6043 %	97.0376 %
Concentration per Run	0.4989 ppm	100.3929 %	103.4855 %	96.1480 %	99.1775 %	102.8886 %	96.4708 %
Concentration per Run	0.4976 ppm	101.4805 %	104.3574 %	97.0383 %	99.2472 %	103.7071 %	97.6542 %
Concentration per Run	0.5035 ppm	99.9321 %	104.0657 %	97.0070 %	97.9435 %	104.2171 %	96.9877 %
Concentration RSD	0.6 %	0.8 %	0.4 %	0.5 %	0.7 %	0.6 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2112543-4.WG2112543

Analysis started at: 9/12/2025 5:54:12 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 32

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0126 ppm	-0.0013 ppm	0.0488 ppm	0.0398 ppm	0.0000 ppm	7.1476 ppm
Concentration per Run	-0.0001 ppm	0.0031 ppm	-0.0002 ppm	0.0488 ppm	0.0394 ppm	0.0000 ppm	7.1219 ppm
Concentration per Run	0.0004 ppm	0.0186 ppm	-0.0019 ppm	0.0487 ppm	0.0395 ppm	0.0000 ppm	7.1503 ppm
Concentration per Run	0.0004 ppm	0.0162 ppm	-0.0018 ppm	0.0489 ppm	0.0405 ppm	0.0000 ppm	7.1705 ppm
Concentration RSD	116.1 %	66.1 %	76.4 %	0.2 %	1.4 %	648.0 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0006 ppm	0.0090 ppm	3.4312 ppm	-0.0041 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0005 ppm	0.0004 ppm	0.0072 ppm	3.4429 ppm	-0.0026 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0008 ppm	0.0094 ppm	3.4104 ppm	-0.0047 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0007 ppm	0.0103 ppm	3.4404 ppm	-0.0048 ppm
Concentration RSD	122.2 %	10.6 %	254.6 %	32.2 %	17.5 %	0.5 %	32.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.8182 ppm	0.1006 ppm	0.0012 ppm	54.6374 ppm	0.0014 ppm	0.0006 ppm	0.0088 ppm
Concentration per Run	5.8470 ppm	0.0996 ppm	0.0008 ppm	54.1494 ppm	0.0007 ppm	0.0012 ppm	0.0119 ppm
Concentration per Run	5.8386 ppm	0.1008 ppm	0.0016 ppm	54.8860 ppm	0.0014 ppm	0.0012 ppm	0.0080 ppm
Concentration per Run	5.7691 ppm	0.1013 ppm	0.0012 ppm	54.8767 ppm	0.0020 ppm	-0.0006 ppm	0.0065 ppm
Concentration RSD	0.7 %	0.8 %	33.9 %	0.8 %	45.0 %	169.0 %	31.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0015 ppm	3.8916 ppm	0.0012 ppm	0.0755 ppm	0.0003 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	-0.0008 ppm	3.9115 ppm	0.0013 ppm	0.0752 ppm	0.0004 ppm	0.0012 ppm	0.0005 ppm
Concentration per Run	0.0027 ppm	3.8950 ppm	0.0016 ppm	0.0753 ppm	0.0005 ppm	0.0005 ppm	0.0005 ppm
Concentration per Run	0.0025 ppm	3.8685 ppm	0.0008 ppm	0.0760 ppm	0.0000 ppm	0.0007 ppm	0.0005 ppm
Concentration RSD	131.8 %	0.6 %	32.4 %	0.6 %	81.7 %	47.3 %	11.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-IFR)
Concentration average	0.0150 ppm	100.9586 %	104.8031 %	98.2097 %	99.4741 %	103.9869 %	98.1386 %
Concentration per Run	0.0152 ppm	100.6410 %	105.6232 %	98.8753 %	99.0476 %	103.6049 %	98.5712 %
Concentration per Run	0.0151 ppm	100.8800 %	104.5062 %	97.7263 %	99.4256 %	104.2558 %	97.7821 %
Concentration per Run	0.0148 ppm	101.3549 %	104.2798 %	98.0276 %	99.9491 %	104.1000 %	98.0623 %
Concentration RSD	1.5 %	0.4 %	0.7 %	0.6 %	0.5 %	0.3 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2112543-5 WG2112543

Analysis started at: 9/12/2025 5:56:19 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 33

	Ag 328.068	Al 396.152	As 189.042	B 208.959	Ba 455.403	Be 313.042	Ca 315.887
Concentration average	0.0482 ppm	1.9385 ppm	1.9385 ppm	0.9915 ppm	1.9359 ppm	0.0486 ppm	16.7840 ppm
Concentration per Run	0.0485 ppm	1.9403 ppm	1.9403 ppm	0.9915 ppm	1.9376 ppm	0.0488 ppm	16.7755 ppm
Concentration per Run	0.0486 ppm	1.9375 ppm	1.9375 ppm	0.9915 ppm	1.9332 ppm	0.0486 ppm	16.7546 ppm
Concentration per Run	0.0475 ppm	1.9378 ppm	1.9378 ppm	0.9857 ppm	1.9368 ppm	0.0485 ppm	16.8220 ppm
Concentration RSD	1.3 %	0.1 %	0.1 %	0.6 %	0.1 %	0.3 %	0.2 %

	Cd 214.438	Co 228.616	Cr 267.716	Cu 324.754	Fe 259.940	K 766.490	Li 670.776
Concentration average	0.0512 ppm	0.4746 ppm	0.1927 ppm	0.2453 ppm	0.9555 ppm	13.3724 ppm	-0.0045 ppm
Concentration per Run	0.0518 ppm	0.4794 ppm	0.1945 ppm	0.2482 ppm	0.9624 ppm	13.3853 ppm	-0.0039 ppm
Concentration per Run	0.0509 ppm	0.4758 ppm	0.1930 ppm	0.2457 ppm	0.9560 ppm	13.3017 ppm	-0.0052 ppm
Concentration per Run	0.0508 ppm	0.4685 ppm	0.1905 ppm	0.2422 ppm	0.9481 ppm	13.4301 ppm	-0.0042 ppm
Concentration RSD	1.0 %	1.2 %	1.0 %	1.2 %	0.8 %	0.5 %	15.4 %

	Mg 279.079	Mn 257.610	Mo 202.030	Na 589.592	Ni 231.604	Pb 220.353	Sb 206.833
Concentration average	15.5027 ppm	0.5736 ppm	0.9558 ppm	63.6224 ppm	0.4841 ppm	0.5140 ppm	0.4875 ppm
Concentration per Run	15.5305 ppm	0.5749 ppm	0.9635 ppm	63.3647 ppm	0.4887 ppm	0.5132 ppm	0.4909 ppm
Concentration per Run	15.4785 ppm	0.5703 ppm	0.9591 ppm	62.9536 ppm	0.4853 ppm	0.5131 ppm	0.4897 ppm
Concentration per Run	15.4990 ppm	0.5756 ppm	0.9447 ppm	64.5489 ppm	0.4784 ppm	0.5157 ppm	0.4820 ppm
Concentration RSD	0.2 %	0.5 %	1.0 %	1.3 %	1.1 %	0.3 %	1.0 %

	Se 196.090	Si 212.412	Sn 189.989	Sr 421.552	Ti 334.904	Tl 190.856	V 292.402
Concentration average	0.1151 ppm	4.6867 ppm	0.9515 ppm	1.0159 ppm	0.9808 ppm	0.1092 ppm	0.5047 ppm
Concentration per Run	0.1123 ppm	4.7228 ppm	0.9603 ppm	1.0179 ppm	0.9785 ppm	0.1093 ppm	0.5092 ppm
Concentration per Run	0.1170 ppm	4.6844 ppm	0.9556 ppm	1.0159 ppm	0.9841 ppm	0.1094 ppm	0.5053 ppm
Concentration per Run	0.1160 ppm	4.6528 ppm	0.9385 ppm	1.0138 ppm	0.9798 ppm	0.1089 ppm	0.4996 ppm
Concentration RSD	2.2 %	0.7 %	1.2 %	0.2 %	0.3 %	0.2 %	1.0 %

	Zn 206.200	Sc 361.384	Sc 361.384	Sc 227.318	Y 360.073	Y 371.030	Y 224.306
Concentration average	0.4852 ppm	99.7652 %	103.5836 %	97.7104 %	98.1691 %	103.5111 %	97.9589 %
Concentration per Run	0.4903 ppm	98.3538 %	103.6979 %	97.9980 %	96.3713 %	103.1827 %	98.4101 %
Concentration per Run	0.4838 ppm	100.3214 %	104.1547 %	97.9879 %	98.4722 %	102.8513 %	98.2636 %
Concentration per Run	0.4813 ppm	100.6204 %	102.8982 %	97.1454 %	99.6636 %	104.4992 %	97.2029 %
Concentration RSD	1.0 %	1.2 %	0.6 %	0.5 %	1.7 %	0.8 %	0.7 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2112543-6d5 WG2112543

Analysis started at: 9/12/2025 5:58:25 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 34

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0114 ppm	-0.0014 ppm	0.0120 ppm	0.0090 ppm	0.0000 ppm	1.4671 ppm
Concentration per Run	0.0002 ppm	0.0197 ppm	-0.0019 ppm	0.0108 ppm	0.0087 ppm	0.0000 ppm	1.4627 ppm
Concentration per Run	0.0003 ppm	0.0131 ppm	-0.0003 ppm	0.0115 ppm	0.0088 ppm	0.0000 ppm	1.4707 ppm
Concentration per Run	0.0003 ppm	0.0014 ppm	-0.0019 ppm	0.0136 ppm	0.0096 ppm	0.0000 ppm	1.4680 ppm
Concentration RSD	27.8 %	81.5 %	65.8 %	12.4 %	5.4 %	283.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0005 ppm	-0.0001 ppm	0.0037 ppm	0.7643 ppm	-0.0038 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0005 ppm	0.0039 ppm	0.7609 ppm	-0.0058 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0006 ppm	-0.0001 ppm	0.0037 ppm	0.7618 ppm	-0.0038 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0035 ppm	0.7703 ppm	-0.0017 ppm
Concentration RSD	469.5 %	101.8 %	83.1 %	116.4 %	5.9 %	0.7 %	54.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.1984 ppm	0.0211 ppm	0.0012 ppm	11.4879 ppm	0.0007 ppm	0.0003 ppm	0.0114 ppm
Concentration per Run	1.1987 ppm	0.0208 ppm	0.0009 ppm	11.4920 ppm	0.0010 ppm	0.0014 ppm	0.0085 ppm
Concentration per Run	1.1983 ppm	0.0210 ppm	0.0013 ppm	11.5325 ppm	0.0005 ppm	-0.0007 ppm	0.0106 ppm
Concentration per Run	1.1983 ppm	0.0214 ppm	0.0014 ppm	11.4393 ppm	0.0007 ppm	0.0002 ppm	0.0151 ppm
Concentration RSD	0.0 %	1.6 %	20.3 %	0.4 %	31.8 %	347.9 %	29.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	0.7714 ppm	0.0032 ppm	0.0161 ppm	-0.0002 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	0.7653 ppm	0.0019 ppm	0.0159 ppm	0.0000 ppm	0.0011 ppm	0.0002 ppm
Concentration per Run	-0.0004 ppm	0.7748 ppm	0.0037 ppm	0.0160 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	0.0017 ppm	0.7739 ppm	0.0038 ppm	0.0163 ppm	-0.0005 ppm	-0.0004 ppm	0.0000 ppm
Concentration RSD	271.1 %	0.7 %	34.5 %	1.2 %	182.3 %	138.2 %	85.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0032 ppm	101.4838 %	102.5538 %	100.9759 %	100.0135 %	102.7144 %	99.4736 %
Concentration per Run	0.0033 ppm	101.7428 %	102.7246 %	101.6971 %	100.5208 %	103.3474 %	100.1230 %
Concentration per Run	0.0033 ppm	101.3652 %	102.1995 %	100.9849 %	99.7994 %	102.6946 %	99.6018 %
Concentration per Run	0.0029 ppm	101.3435 %	102.7374 %	100.2456 %	99.7203 %	102.1012 %	98.6960 %
Concentration RSD	6.2 %	0.2 %	0.3 %	0.7 %	0.4 %	0.6 %	0.7 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555198-01 WG2112543

Analysis started at: 9/12/2025 6:00:31 PM

Comment <Comment>

Rack Number 2

Vial Numbers 35

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0005 ppm	-0.0001 ppm	0.0297 ppm	0.1455 ppm	0.0000 ppm	31.3016 ppm
Concentration per Run	-0.0003 ppm	0.0007 ppm	0.0011 ppm	0.0290 ppm	0.1460 ppm	0.0000 ppm	31.5650 ppm
Concentration per Run	-0.0002 ppm	-0.0055 ppm	0.0009 ppm	0.0307 ppm	0.1462 ppm	0.0000 ppm	31.4501 ppm
Concentration per Run	0.0004 ppm	0.0034 ppm	-0.0023 ppm	0.0294 ppm	0.1442 ppm	-0.0001 ppm	30.8897 ppm
Concentration RSD	702.5 %	977.0 %	1.868.1 %	3.0 %	0.8 %	57.2 %	1.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	0.0000 ppm	0.0011 ppm	0.1395 ppm	0.0162 ppm	5.1616 ppm	-0.0017 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	0.0014 ppm	0.1392 ppm	0.0161 ppm	5.1911 ppm	-0.0006 ppm
Concentration per Run	-0.0003 ppm	0.0000 ppm	0.0007 ppm	0.1400 ppm	0.0169 ppm	5.1870 ppm	-0.0034 ppm
Concentration per Run	-0.0005 ppm	-0.0002 ppm	0.0011 ppm	0.1393 ppm	0.0155 ppm	5.1068 ppm	-0.0011 ppm
Concentration RSD	52.1 %	14.512.5 %	32.8 %	0.3 %	4.3 %	0.9 %	88.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.7778 ppm	0.0084 ppm	0.0001 ppm	141.9855 ppm	0.0028 ppm	0.0241 ppm	0.0055 ppm
Concentration per Run	5.7498 ppm	0.0084 ppm	-0.0001 ppm	141.9985 ppm	0.0025 ppm	0.0247 ppm	0.0049 ppm
Concentration per Run	5.8374 ppm	0.0085 ppm	0.0001 ppm	142.8888 ppm	0.0029 ppm	0.0234 ppm	0.0080 ppm
Concentration per Run	5.7461 ppm	0.0082 ppm	0.0005 ppm	141.0992 ppm	0.0030 ppm	0.0242 ppm	0.0036 ppm
Concentration RSD	0.9 %	1.6 %	191.2 %	0.6 %	10.0 %	2.7 %	41.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0018 ppm	6.9127 ppm	0.0007 ppm	0.3362 ppm	-0.0007 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run	0.0038 ppm	6.8969 ppm	0.0010 ppm	0.3399 ppm	-0.0006 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	-0.0003 ppm	6.9492 ppm	0.0013 ppm	0.3377 ppm	-0.0007 ppm	0.0023 ppm	0.0004 ppm
Concentration per Run	0.0018 ppm	6.8920 ppm	-0.0003 ppm	0.3311 ppm	-0.0009 ppm	0.0010 ppm	0.0004 ppm
Concentration RSD	115.5 %	0.5 %	132.7 %	1.4 %	20.1 %	186.7 %	108.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0892 ppm	96.6606 %	101.4871 %	92.5593 %	94.4461 %	101.4746 %	93.9148 %
Concentration per Run	0.0890 ppm	96.9988 %	101.2150 %	92.1268 %	94.2462 %	100.7296 %	93.5011 %
Concentration per Run	0.0895 ppm	96.1057 %	100.9687 %	92.0942 %	94.2974 %	101.2158 %	93.3543 %
Concentration per Run	0.0891 ppm	96.8772 %	102.2775 %	93.4568 %	94.7947 %	102.4785 %	94.8890 %
Concentration RSD	0.3 %	0.5 %	0.7 %	0.8 %	0.3 %	0.9 %	0.9 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: I2554393-01 WG2110879

Analysis started at: 9/12/2025 6:02:36 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 36

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0427 ppm	-0.0015 ppm	0.0076 ppm	0.0318 ppm	0.0000 ppm	8.2878 ppm
Concentration per Run	-0.0003 ppm	0.0504 ppm	-0.0009 ppm	0.0077 ppm	0.0320 ppm	0.0000 ppm	8.2548 ppm
Concentration per Run	-0.0008 ppm	0.0382 ppm	-0.0022 ppm	0.0080 ppm	0.0317 ppm	0.0001 ppm	8.3414 ppm
Concentration per Run	-0.0002 ppm	0.0395 ppm	-0.0013 ppm	0.0072 ppm	0.0318 ppm	0.0000 ppm	8.2672 ppm
Concentration RSD	74.2 %	15.7 %	47.1 %	5.3 %	0.5 %	69.2 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0012 ppm	0.0020 ppm	0.0018 ppm	0.4463 ppm	0.2829 ppm	-0.0048 ppm
Concentration per Run	0.0000 ppm	0.0011 ppm	0.0017 ppm	0.0020 ppm	0.4460 ppm	0.2890 ppm	-0.0035 ppm
Concentration per Run	0.0000 ppm	0.0013 ppm	0.0017 ppm	0.0014 ppm	0.4460 ppm	0.2676 ppm	-0.0044 ppm
Concentration per Run	0.0001 ppm	0.0013 ppm	0.0025 ppm	0.0019 ppm	0.4459 ppm	0.2922 ppm	-0.0065 ppm
Concentration RSD	255.8 %	12.0 %	23.3 %	19.0 %	0.1 %	4.7 %	32.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.6193 ppm	0.8501 ppm	-0.0003 ppm	139.1096 ppm	0.0017 ppm	0.0026 ppm	0.0061 ppm
Concentration per Run	1.6198 ppm	0.8490 ppm	0.0002 ppm	138.7317 ppm	0.0016 ppm	0.0014 ppm	0.0054 ppm
Concentration per Run	1.6277 ppm	0.8588 ppm	-0.0003 ppm	141.1101 ppm	0.0014 ppm	0.0035 ppm	0.0078 ppm
Concentration per Run	1.6104 ppm	0.8444 ppm	-0.0007 ppm	137.4869 ppm	0.0020 ppm	0.0029 ppm	0.0051 ppm
Concentration RSD	0.5 %	0.7 %	151.8 %	1.3 %	17.9 %	41.6 %	23.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0022 ppm	0.4955 ppm	0.0015 ppm	0.0270 ppm	-0.0009 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run	0.0014 ppm	0.4965 ppm	0.0008 ppm	0.0269 ppm	-0.0008 ppm	-0.0003 ppm	-0.0005 ppm
Concentration per Run	0.0011 ppm	0.5002 ppm	0.0012 ppm	0.0271 ppm	-0.0007 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0040 ppm	0.4897 ppm	0.0026 ppm	0.0270 ppm	-0.0011 ppm	0.0004 ppm	-0.0002 ppm
Concentration RSD	73.5 %	1.1 %	58.3 %	0.2 %	28.8 %	240.2 %	76.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0056 ppm	96.7512 %	101.2042 %	91.6295 %	94.3398 %	101.0472 %	93.9061 %
Concentration per Run	0.0057 ppm	95.9316 %	100.4493 %	92.0304 %	94.1100 %	100.5302 %	94.4962 %
Concentration per Run	0.0056 ppm	96.2805 %	101.0425 %	91.9094 %	93.6521 %	101.9399 %	94.2046 %
Concentration per Run	0.0054 ppm	98.0415 %	102.1208 %	90.9487 %	95.2573 %	100.6716 %	93.0174 %
Concentration RSD	2.7 %	1.2 %	0.8 %	0.6 %	0.9 %	0.8 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: I2554393-02 WG2110879

Analysis started at: 9/12/2025 6:04:42 PM

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Rack Number 2

Vial Numbers 37

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0328 ppm	-0.0009 ppm	0.0065 ppm	0.0241 ppm	0.0000 ppm	5.0189 ppm
Concentration per Run	0.0000 ppm	0.0355 ppm	-0.0024 ppm	0.0070 ppm	0.0242 ppm	-0.0001 ppm	5.0409 ppm
Concentration per Run	0.0004 ppm	0.0332 ppm	-0.0004 ppm	0.0055 ppm	0.0240 ppm	0.0001 ppm	5.0409 ppm
Concentration per Run	0.0002 ppm	0.0295 ppm	0.0001 ppm	0.0070 ppm	0.0240 ppm	0.0000 ppm	4.9749 ppm
Concentration RSD	108.1 %	9.3 %	148.0 %	13.2 %	0.3 %	457.0 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0032 ppm	0.0006 ppm	0.0012 ppm	0.0430 ppm	0.2684 ppm	-0.0025 ppm
Concentration per Run	0.0000 ppm	0.0034 ppm	0.0010 ppm	0.0012 ppm	0.0419 ppm	0.2791 ppm	-0.0025 ppm
Concentration per Run	0.0000 ppm	0.0033 ppm	0.0004 ppm	0.0011 ppm	0.0440 ppm	0.2666 ppm	-0.0051 ppm
Concentration per Run	0.0001 ppm	0.0029 ppm	0.0003 ppm	0.0012 ppm	0.0432 ppm	0.2595 ppm	0.0001 ppm
Concentration RSD	261.2 %	7.7 %	68.5 %	5.1 %	2.5 %	3.7 %	104.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5652 ppm	0.8160 ppm	-0.0003 ppm	136.6621 ppm	0.0023 ppm	0.0008 ppm	0.0045 ppm
Concentration per Run	0.5647 ppm	0.8177 ppm	-0.0004 ppm	136.0229 ppm	0.0023 ppm	0.0017 ppm	0.0066 ppm
Concentration per Run	0.5692 ppm	0.8162 ppm	-0.0007 ppm	135.7786 ppm	0.0022 ppm	-0.0003 ppm	0.0039 ppm
Concentration per Run	0.5619 ppm	0.8141 ppm	0.0002 ppm	138.1849 ppm	0.0025 ppm	0.0010 ppm	0.0031 ppm
Concentration RSD	0.7 %	0.2 %	142.3 %	1.0 %	7.0 %	131.5 %	40.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0008 ppm	0.2247 ppm	0.0002 ppm	0.0193 ppm	-0.0009 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0029 ppm	0.2276 ppm	0.0000 ppm	0.0195 ppm	-0.0012 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run	-0.0019 ppm	0.2242 ppm	-0.0002 ppm	0.0193 ppm	-0.0008 ppm	0.0008 ppm	-0.0002 ppm
Concentration per Run	0.0014 ppm	0.2225 ppm	0.0009 ppm	0.0191 ppm	-0.0006 ppm	0.0003 ppm	0.0000 ppm
Concentration RSD	302.5 %	1.2 %	275.0 %	1.1 %	36.6 %	345.0 %	69.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0073 ppm	97.0861 %	101.0528 %	91.6965 %	95.1060 %	101.3705 %	93.7703 %
Concentration per Run	0.0072 ppm	96.9990 %	101.5238 %	91.7450 %	95.4276 %	100.6024 %	93.6742 %
Concentration per Run	0.0071 ppm	96.7442 %	100.1498 %	91.3955 %	94.5655 %	98.7392 %	93.4833 %
Concentration per Run	0.0077 ppm	97.5150 %	101.4846 %	91.9491 %	95.3249 %	104.7699 %	94.1535 %
Concentration RSD	4.5 %	0.4 %	0.8 %	0.3 %	0.5 %	3.0 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 6:23:47 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4996 ppm	0.4927 ppm	0.4828 ppm	0.4692 ppm	0.4918 ppm	0.5009 ppm	0.4928 ppm
Concentration per Run	0.4925 ppm	0.4941 ppm	0.4853 ppm	0.4623 ppm	0.4949 ppm	0.5012 ppm	0.4878 ppm
Concentration per Run	0.5051 ppm	0.4897 ppm	0.4830 ppm	0.4781 ppm	0.4909 ppm	0.5027 ppm	0.4937 ppm
Concentration per Run	0.5011 ppm	0.4943 ppm	0.4800 ppm	0.4672 ppm	0.4896 ppm	0.4988 ppm	0.4970 ppm
Recovery Percentage	99.914 %	98.539 %	96.559 %	93.838 %	98.360 %	100.179 %	98.560 %
Concentration RSD	1.3 %	0.5 %	0.5 %	1.7 %	0.6 %	0.4 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5022 ppm	0.5038 ppm	0.5054 ppm	0.5196 ppm	0.5068 ppm	5.1811 ppm	0.4999 ppm
Concentration per Run	0.4952 ppm	0.5032 ppm	0.4974 ppm	0.5113 ppm	0.5042 ppm	5.1973 ppm	0.5038 ppm
Concentration per Run	0.5083 ppm	0.5125 ppm	0.5101 ppm	0.5245 ppm	0.5116 ppm	5.1797 ppm	0.5062 ppm
Concentration per Run	0.5032 ppm	0.5108 ppm	0.5088 ppm	0.5230 ppm	0.5046 ppm	5.1662 ppm	0.4899 ppm
Recovery Percentage	100.445 %	101.765 %	101.087 %	103.923 %	101.367 %	103.622 %	99.983 %
Concentration RSD	1.3 %	1.0 %	1.4 %	1.4 %	0.8 %	0.3 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5150 ppm	0.4967 ppm	0.4820 ppm	10.2455 ppm	0.5119 ppm	0.5120 ppm	0.5100 ppm
Concentration per Run	0.5033 ppm	0.4950 ppm	0.4751 ppm	10.2240 ppm	0.5070 ppm	0.5153 ppm	0.5002 ppm
Concentration per Run	0.5220 ppm	0.4886 ppm	0.4886 ppm	10.1895 ppm	0.5145 ppm	0.5082 ppm	0.5140 ppm
Concentration per Run	0.5198 ppm	0.4985 ppm	0.4822 ppm	10.3230 ppm	0.5141 ppm	0.5124 ppm	0.5157 ppm
Recovery Percentage	103.006 %	99.346 %	96.399 %	102.455 %	102.371 %	102.394 %	101.992 %
Concentration RSD	2.0 %	0.4 %	1.4 %	0.7 %	0.8 %	0.7 %	1.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4794 ppm	5.3454 ppm	0.4841 ppm	0.4950 ppm	0.4995 ppm	0.4803 ppm	0.5124 ppm
Concentration per Run	0.4860 ppm	5.2606 ppm	0.4785 ppm	0.4979 ppm	0.4898 ppm	0.4836 ppm	0.5059 ppm
Concentration per Run	0.4739 ppm	5.4111 ppm	0.4881 ppm	0.4941 ppm	0.5069 ppm	0.4792 ppm	0.5167 ppm
Concentration per Run	0.4784 ppm	5.3645 ppm	0.4857 ppm	0.4929 ppm	0.5017 ppm	0.4781 ppm	0.5145 ppm
Recovery Percentage	95.888 %	101.817 %	96.821 %	98.997 %	99.894 %	96.061 %	102.470 %
Concentration RSD	1.3 %	1.4 %	1.0 %	0.5 %	1.8 %	0.6 %	1.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4787 ppm	102.2894 %	103.6297 %	99.9380 %	101.1115 %	102.5535 %	98.7441 %
Concentration per Run	0.4718 ppm	103.3617 %	103.5915 %	99.3683 %	101.6109 %	102.4264 %	98.1205 %
Concentration per Run	0.4842 ppm	101.1601 %	103.8629 %	100.4096 %	100.6283 %	100.8445 %	99.1481 %
Concentration per Run	0.4801 ppm	102.3464 %	103.4347 %	100.0360 %	101.0954 %	104.3897 %	98.9638 %
Recovery Percentage	95.737 %						
Concentration RSD	1.3 %	1.1 %	0.2 %	0.5 %	0.5 %	1.7 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 6:25:59 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0006 ppm	0.0049 ppm	-0.0004 ppm	0.0021 ppm	0.0001 ppm	0.0003 ppm	0.0065 ppm
Concentration per Run	0.0007 ppm	0.0158 ppm	0.0008 ppm	0.0025 ppm	0.0002 ppm	0.0002 ppm	0.0100 ppm
Concentration per Run	0.0002 ppm	0.0053 ppm	-0.0031 ppm	0.0012 ppm	0.0001 ppm	0.0003 ppm	0.0043 ppm
Concentration per Run	0.0008 ppm	-0.0063 ppm	0.0011 ppm	0.0027 ppm	0.0001 ppm	0.0005 ppm	0.0053 ppm
Recovery Percentage	8.230 %	4.920 %	-7.884 %	7.134 %	8.390 %	8.390 %	6.533 %
Concentration RSD	50.4 %	223.7 %	598.4 %	37.2 %	66.9 %	54.4 %	46.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0008 ppm	0.0004 ppm	0.0005 ppm	0.0042 ppm	0.0396 ppm	-0.0037 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0006 ppm	0.0032 ppm	0.0420 ppm	-0.0038 ppm
Concentration per Run	0.0002 ppm	0.0005 ppm	0.0011 ppm	0.0004 ppm	0.0032 ppm	0.0510 ppm	-0.0045 ppm
Concentration per Run	0.0002 ppm	0.0014 ppm	-0.0003 ppm	0.0004 ppm	0.0061 ppm	0.0260 ppm	-0.0029 ppm
Recovery Percentage	4.457 %	3.800 %	3.944 %	4.690 %	8.320 %	1.586 %	-73.201 %
Concentration RSD	10.0 %	75.7 %	178.8 %	22.5 %	40.6 %	31.9 %	21.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0000 ppm	0.0005 ppm	0.0005 ppm	0.0110 ppm	0.0009 ppm	-0.0008 ppm	0.0071 ppm
Concentration per Run	-0.0014 ppm	0.0002 ppm	-0.0005 ppm	0.0159 ppm	0.0010 ppm	-0.0002 ppm	0.0050 ppm
Concentration per Run	0.0010 ppm	0.0005 ppm	-0.0002 ppm	0.0050 ppm	0.0010 ppm	-0.0016 ppm	0.0063 ppm
Concentration per Run	0.0004 ppm	0.0006 ppm	0.0008 ppm	0.0122 ppm	0.0008 ppm	-0.0005 ppm	0.0099 ppm
Recovery Percentage	-0.003 %	4.534 %	0.081 %	0.552 %	3.575 %	-7.720 %	14.104 %
Concentration RSD	44.846 %	54.9 %	1.778 %	50.0 %	12.9 %	90.2 %	36.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	0.0015 ppm	-0.0006 ppm	0.0002 ppm	-0.0002 ppm	0.0014 ppm	0.0002 ppm
Concentration per Run	0.0019 ppm	0.0019 ppm	-0.0008 ppm	0.0001 ppm	-0.0002 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	0.0022 ppm	0.0003 ppm	-0.0005 ppm	0.0003 ppm	-0.0004 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run	0.0041 ppm	0.0024 ppm	-0.0005 ppm	0.0004 ppm	0.0004 ppm	0.0023 ppm	0.0003 ppm
Recovery Percentage	27.427 %	0.304 %	-1.248 %	2.440 %	-2.043 %	7.212 %	1.723 %
Concentration RSD	43.4 %	71.2 %	31.4 %	67.6 %	106.0 %	59.0 %	82.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	99.8789 %	101.1045 %	98.6035 %	100.8408 %	102.9321 %	98.8016 %
Concentration per Run	0.0008 ppm	101.2732 %	100.3360 %	99.1059 %	101.4934 %	101.1050 %	99.1046 %
Concentration per Run	0.0006 ppm	98.4346 %	101.9653 %	98.0585 %	99.8881 %	104.2003 %	98.2960 %
Concentration per Run	0.0007 ppm	99.9289 %	101.0123 %	98.6460 %	101.1408 %	103.4911 %	99.0041 %
Recovery Percentage	13.380 %	1.4 %	0.8 %	0.5 %	0.8 %	1.6 %	0.4 %
Concentration RSD	16.2 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2114010-1 WG2114010

Analysis started at: 9/12/2025 6:46:55 PM

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Rack Number 2

Vial Numbers 38

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0065 ppm	-0.0004 ppm	0.0005 ppm	-0.0003 ppm	0.0000 ppm	0.0257 ppm
Concentration per Run	-0.0002 ppm	0.0091 ppm	0.0019 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0254 ppm
Concentration per Run	-0.0001 ppm	0.0140 ppm	-0.0011 ppm	0.0005 ppm	-0.0003 ppm	0.0000 ppm	0.0243 ppm
Concentration per Run	0.0008 ppm	-0.0036 ppm	-0.0019 ppm	0.0009 ppm	-0.0003 ppm	0.0000 ppm	0.0275 ppm
Concentration RSD	290.7 %	139.7 %	520.7 %	93.4 %	8.2 %	241.2 %	6.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0005 ppm	0.0000 ppm	-0.0001 ppm	0.0029 ppm	0.0403 ppm	-0.0035 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0002 ppm	-0.0002 ppm	0.0035 ppm	0.0507 ppm	-0.0044 ppm
Concentration per Run	-0.0002 ppm	0.0009 ppm	0.0004 ppm	-0.0004 ppm	0.0020 ppm	0.0404 ppm	-0.0026 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0002 ppm	0.0033 ppm	0.0299 ppm	-0.0033 ppm
Concentration RSD	79.5 %	75.6 %	975.4 %	247.3 %	27.0 %	25.8 %	26.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0009 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0011 ppm	0.0002 ppm	0.0034 ppm
Concentration per Run	0.0020 ppm	0.0008 ppm	-0.0003 ppm	-0.0082 ppm	0.0006 ppm	-0.0007 ppm	0.0048 ppm
Concentration per Run	-0.0003 ppm	0.0006 ppm	0.0003 ppm	0.0014 ppm	0.0010 ppm	0.0007 ppm	0.0024 ppm
Concentration per Run	0.0009 ppm	0.0007 ppm	-0.0001 ppm	0.0069 ppm	0.0018 ppm	0.0005 ppm	0.0029 ppm
Concentration RSD	134.6 %	18.0 %	1,782.8 %	27,956.9 %	50.6 %	408.5 %	37.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	0.0083 ppm	-0.0004 ppm	0.0000 ppm	-0.0005 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run	0.0011 ppm	0.0075 ppm	-0.0015 ppm	0.0001 ppm	-0.0004 ppm	0.0013 ppm	0.0004 ppm
Concentration per Run	0.0005 ppm	0.0097 ppm	-0.0001 ppm	0.0001 ppm	-0.0007 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	-0.0027 ppm	0.0078 ppm	0.0005 ppm	0.0000 ppm	-0.0003 ppm	0.0007 ppm	0.0002 ppm
Concentration RSD	602.3 %	14.5 %	275.5 %	81.1 %	46.9 %	89.9 %	179.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0016 ppm	101.8451 %	102.9469 %	101.0854 %	102.7475 %	103.8040 %	100.5720 %
Concentration per Run	0.0018 ppm	101.2255 %	103.0606 %	101.6637 %	102.5713 %	104.3470 %	101.3242 %
Concentration per Run	0.0016 ppm	101.9489 %	103.0679 %	101.4682 %	102.3554 %	104.1851 %	100.8771 %
Concentration per Run	0.0013 ppm	102.3608 %	102.7120 %	100.1242 %	103.3157 %	102.8800 %	99.5146 %
Concentration RSD	15.0 %	0.6 %	0.2 %	0.8 %	0.5 %	0.8 %	0.9 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2114010-2 WG2114010

Analysis started at: 9/12/2025 6:49:11 PM

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Rack Number: 2

Vial Numbers: 39

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0493 ppm	2.0473 ppm	0.1172 ppm	0.9373 ppm	1.9797 ppm	0.0506 ppm	9.7920 ppm
Concentration per Run	0.0500 ppm	2.0517 ppm	0.1161 ppm	0.9428 ppm	1.9926 ppm	0.0509 ppm	9.8438 ppm
Concentration per Run	0.0492 ppm	2.0418 ppm	0.1188 ppm	0.9380 ppm	1.9701 ppm	0.0504 ppm	9.7601 ppm
Concentration per Run	0.0489 ppm	2.0485 ppm	0.1167 ppm	0.9310 ppm	1.9763 ppm	0.0506 ppm	9.7722 ppm
Concentration RSD	1.2 %	0.2 %	1.2 %	0.6 %	0.6 %	0.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0527 ppm	0.4981 ppm	0.2007 ppm	0.2565 ppm	1.0004 ppm	10.1533 ppm	-0.0030 ppm
Concentration per Run	0.0533 ppm	0.4994 ppm	0.2008 ppm	0.2580 ppm	1.0016 ppm	10.2453 ppm	-0.0018 ppm
Concentration per Run	0.0525 ppm	0.5026 ppm	0.2022 ppm	0.2569 ppm	0.9975 ppm	10.0658 ppm	-0.0038 ppm
Concentration per Run	0.0524 ppm	0.4923 ppm	0.1990 ppm	0.2547 ppm	1.0022 ppm	10.1489 ppm	-0.0035 ppm
Concentration RSD	0.9 %	1.1 %	0.8 %	0.7 %	0.3 %	0.9 %	34.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-eUV)
Concentration average	10.1275 ppm	0.4946 ppm	0.9554 ppm	10.2854 ppm	0.5061 ppm	0.5346 ppm	0.5004 ppm
Concentration per Run	10.2385 ppm	0.4988 ppm	0.9644 ppm	10.4082 ppm	0.5105 ppm	0.5345 ppm	0.5010 ppm
Concentration per Run	10.1116 ppm	0.4920 ppm	0.9555 ppm	10.2206 ppm	0.5079 ppm	0.5343 ppm	0.4990 ppm
Concentration per Run	10.0325 ppm	0.4928 ppm	0.9463 ppm	10.2273 ppm	0.5000 ppm	0.5349 ppm	0.5014 ppm
Concentration RSD	1.0 %	0.8 %	0.9 %	1.0 %	1.1 %	0.1 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1175 ppm	1.1436 ppm	0.9433 ppm	0.9589 ppm	0.9857 ppm	0.1154 ppm	0.5208 ppm
Concentration per Run	0.1174 ppm	1.1496 ppm	0.9515 ppm	0.9647 ppm	0.9978 ppm	0.1141 ppm	0.5245 ppm
Concentration per Run	0.1166 ppm	1.1442 ppm	0.9433 ppm	0.9543 ppm	0.9795 ppm	0.1151 ppm	0.5224 ppm
Concentration per Run	0.1184 ppm	1.1371 ppm	0.9349 ppm	0.9578 ppm	0.9799 ppm	0.1170 ppm	0.5154 ppm
Concentration RSD	0.8 %	0.5 %	0.9 %	0.6 %	1.1 %	1.2 %	0.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4812 ppm	100.4125 %	102.3624 %	98.1430 %	99.3761 %	102.5802 %	97.3074 %
Concentration per Run	0.4858 ppm	99.6735 %	100.9567 %	98.2782 %	98.5691 %	102.2921 %	97.5001 %
Concentration per Run	0.4808 ppm	100.5066 %	103.3217 %	98.6244 %	99.0518 %	103.3233 %	97.8072 %
Concentration per Run	0.4769 ppm	101.0574 %	102.8086 %	97.5264 %	100.5075 %	102.1252 %	96.6150 %
Concentration RSD	0.9 %	0.7 %	1.2 %	0.6 %	1.0 %	0.6 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554258-02 WG2114010

Analysis started at: 9/12/2025 6:51:17 PM

Comment: PREP 10x

Rack Number: 2

Vial Numbers: 40

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0221 ppm	0.0066 ppm	-0.0011 ppm	0.0072 ppm	0.0035 ppm	0.0000 ppm	0.9033 ppm
Concentration per Run	0.0220 ppm	0.0110 ppm	-0.0016 ppm	0.0075 ppm	0.0033 ppm	0.0000 ppm	0.9094 ppm
Concentration per Run	0.0227 ppm	0.0033 ppm	0.0002 ppm	0.0069 ppm	0.0036 ppm	-0.0001 ppm	0.9048 ppm
Concentration per Run	0.0217 ppm	0.0055 ppm	-0.0019 ppm	0.0072 ppm	0.0037 ppm	0.0000 ppm	0.8958 ppm
Concentration RSD	2.4 %	60.6 %	107.1 %	4.2 %	5.6 %	149.9 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0108 ppm	0.0059 ppm	42.0250 ppm	-0.0034 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0108 ppm	0.0053 ppm	42.0417 ppm	-0.0035 ppm
Concentration per Run	-0.0002 ppm	0.0008 ppm	-0.0002 ppm	0.0111 ppm	0.0051 ppm	42.3358 ppm	-0.0022 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0010 ppm	0.0105 ppm	0.0072 ppm	41.6976 ppm	-0.0044 ppm
Concentration RSD	160.8 %	23.7 %	148.2 %	3.2 %	20.4 %	0.8 %	32.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1826 ppm	0.0007 ppm	0.0009 ppm	53.8664 ppm	0.0074 ppm	0.0005 ppm	0.0104 ppm
Concentration per Run	0.1856 ppm	0.0004 ppm	0.0009 ppm	54.0218 ppm	0.0074 ppm	0.0002 ppm	0.0108 ppm
Concentration per Run	0.1804 ppm	0.0008 ppm	0.0007 ppm	54.1130 ppm	0.0074 ppm	0.0004 ppm	0.0081 ppm
Concentration per Run	0.1818 ppm	0.0009 ppm	0.0012 ppm	53.4643 ppm	0.0075 ppm	0.0011 ppm	0.0123 ppm
Concentration RSD	1.5 %	36.9 %	23.5 %	0.7 %	0.8 %	84.2 %	20.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	0.6080 ppm	0.0143 ppm	0.0078 ppm	0.0001 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run	-0.0002 ppm	0.6083 ppm	0.0129 ppm	0.0077 ppm	0.0006 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	-0.0008 ppm	0.6134 ppm	0.0155 ppm	0.0078 ppm	-0.0002 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run	0.0036 ppm	0.6023 ppm	0.0145 ppm	0.0079 ppm	-0.0002 ppm	0.0012 ppm	0.0006 ppm
Concentration RSD	266.4 %	0.9 %	9.1 %	0.9 %	700.8 %	47.0 %	189.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0026 ppm	100.5237 %	103.4206 %	97.1251 %	98.7594 %	101.5886 %	96.7327 %
Concentration per Run	0.0026 ppm	100.4142 %	102.7065 %	95.8611 %	98.6252 %	100.2505 %	95.8987 %
Concentration per Run	0.0025 ppm	99.9544 %	103.0098 %	97.7348 %	98.5255 %	101.9443 %	97.3497 %
Concentration per Run	0.0026 ppm	101.2025 %	104.5455 %	97.7795 %	99.1275 %	102.5709 %	96.9496 %
Concentration RSD	2.4 %	0.6 %	1.0 %	1.1 %	0.3 %	1.2 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2114010-3 WG2114010

Analysis started at: 9/12/2025 6:53:23 PM

Comment: PREP 10x

Rack Number: 2

Vial Numbers: 41

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0700 ppm	2.0136 ppm	0.1192 ppm	0.9411 ppm	1.9564 ppm	0.0504 ppm	10.6513 ppm
Concentration per Run	0.0699 ppm	2.0229 ppm	0.1164 ppm	0.9438 ppm	1.9576 ppm	0.0504 ppm	10.6207 ppm
Concentration per Run	0.0703 ppm	2.0284 ppm	0.1185 ppm	0.9430 ppm	1.9697 ppm	0.0507 ppm	10.7204 ppm
Concentration per Run	0.0699 ppm	1.9895 ppm	0.1227 ppm	0.9364 ppm	1.9419 ppm	0.0501 ppm	10.6127 ppm
Concentration RSD	0.4 %	1.0 %	2.7 %	0.4 %	0.7 %	0.5 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0519 ppm	0.4861 ppm	0.1961 ppm	0.2605 ppm	0.9870 ppm	52.8199 ppm	-0.0030 ppm
Concentration per Run	0.0519 ppm	0.4882 ppm	0.1976 ppm	0.2619 ppm	0.9893 ppm	52.5590 ppm	-0.0021 ppm
Concentration per Run	0.0521 ppm	0.4835 ppm	0.1956 ppm	0.2599 ppm	0.9919 ppm	52.9189 ppm	-0.0043 ppm
Concentration per Run	0.0516 ppm	0.4866 ppm	0.1950 ppm	0.2597 ppm	0.9800 ppm	52.9820 ppm	-0.0028 ppm
Concentration RSD	0.5 %	0.5 %	0.7 %	0.5 %	0.6 %	0.4 %	36.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.9463 ppm	0.4850 ppm	0.9519 ppm	65.0214 ppm	0.4989 ppm	0.5296 ppm	0.4935 ppm
Concentration per Run	9.8563 ppm	0.4842 ppm	0.9529 ppm	64.5824 ppm	0.5005 ppm	0.5293 ppm	0.5001 ppm
Concentration per Run	10.0221 ppm	0.4881 ppm	0.9549 ppm	65.6887 ppm	0.4886 ppm	0.5322 ppm	0.4950 ppm
Concentration per Run	9.9606 ppm	0.4827 ppm	0.9479 ppm	64.8132 ppm	0.4976 ppm	0.5272 ppm	0.4853 ppm
Concentration RSD	0.8 %	0.6 %	0.4 %	0.9 %	0.3 %	0.5 %	1.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1225 ppm	1.7666 ppm	0.9452 ppm	0.9571 ppm	0.9799 ppm	0.1118 ppm	0.5173 ppm
Concentration per Run	0.1173 ppm	1.7679 ppm	0.9505 ppm	0.9580 ppm	0.9715 ppm	0.1127 ppm	0.5189 ppm
Concentration per Run	0.1231 ppm	1.7735 ppm	0.9462 ppm	0.9620 ppm	0.9900 ppm	0.1120 ppm	0.5185 ppm
Concentration per Run	0.1270 ppm	1.7585 ppm	0.9389 ppm	0.9513 ppm	0.9781 ppm	0.1108 ppm	0.5147 ppm
Concentration RSD	4.0 %	0.4 %	0.6 %	0.6 %	1.0 %	0.9 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4817 ppm	99.3183 %	101.8633 %	95.5436 %	97.6372 %	100.0842 %	95.6368 %
Concentration per Run	0.4838 ppm	98.9325 %	102.0469 %	95.7802 %	96.9056 %	99.9117 %	95.9624 %
Concentration per Run	0.4828 ppm	99.4180 %	101.0342 %	94.6970 %	97.8245 %	99.7036 %	94.7179 %
Concentration per Run	0.4784 ppm	99.6046 %	102.5038 %	96.1535 %	98.1814 %	100.6373 %	96.2301 %
Concentration RSD	0.6 %	0.3 %	0.7 %	0.8 %	0.7 %	0.5 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2114010-4 WG2114010

Analysis started at: 9/12/2025 6:55:29 PM

Comment: PREP 10x

Rack Number: 2

Vial Numbers: 42

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0227 ppm	0.0057 ppm	-0.0007 ppm	0.0076 ppm	0.0035 ppm	0.0000 ppm	0.9361 ppm
Concentration per Run	0.0228 ppm	0.0028 ppm	-0.0009 ppm	0.0098 ppm	0.0076 ppm	-0.0001 ppm	0.9265 ppm
Concentration per Run	0.0224 ppm	0.0090 ppm	-0.0014 ppm	0.0075 ppm	0.0032 ppm	0.0000 ppm	0.9381 ppm
Concentration per Run	0.0229 ppm	-0.0015 ppm	0.0002 ppm	0.0077 ppm	0.0040 ppm	0.0000 ppm	0.9437 ppm
Concentration RSD	1.2 %	110.1 %	116.2 %	0.9 %	11.6 %	67.0 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0009 ppm	0.0003 ppm	0.0112 ppm	0.0034 ppm	43.7011 ppm	-0.0041 ppm
Concentration per Run	0.0001 ppm	0.0010 ppm	0.0002 ppm	0.0113 ppm	0.0036 ppm	43.2638 ppm	-0.0039 ppm
Concentration per Run	-0.0001 ppm	0.0010 ppm	0.0002 ppm	0.0112 ppm	0.0038 ppm	43.9489 ppm	-0.0060 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	0.0005 ppm	0.0112 ppm	0.0026 ppm	43.8907 ppm	-0.0023 ppm
Concentration RSD	328.2 %	16.1 %	59.2 %	0.4 %	19.0 %	0.9 %	45.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1860 ppm	0.0007 ppm	0.0011 ppm	56.0837 ppm	0.0062 ppm	0.0007 ppm	0.0068 ppm
Concentration per Run	0.1867 ppm	0.0007 ppm	0.0009 ppm	56.1161 ppm	0.0056 ppm	0.0004 ppm	0.0024 ppm
Concentration per Run	0.1858 ppm	0.0009 ppm	0.0009 ppm	55.9899 ppm	0.0069 ppm	0.0015 ppm	0.0065 ppm
Concentration per Run	0.1856 ppm	0.0006 ppm	0.0015 ppm	56.1450 ppm	0.0061 ppm	0.0001 ppm	0.0115 ppm
Concentration RSD	0.3 %	17.1 %	30.0 %	0.1 %	9.9 %	108.2 %	67.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0006 ppm	0.6161 ppm	0.0160 ppm	0.0081 ppm	0.0002 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	-0.0008 ppm	0.6121 ppm	0.0143 ppm	0.0078 ppm	0.0007 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run	0.0014 ppm	0.6164 ppm	0.0172 ppm	0.0081 ppm	-0.0001 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run	0.0012 ppm	0.6197 ppm	0.0165 ppm	0.0083 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm
Concentration RSD	208.8 %	0.6 %	9.6 %	3.0 %	274.8 %	198.6 %	357.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0025 ppm	99.8434 %	101.0167 %	96.2461 %	97.9620 %	99.5856 %	95.8567 %
Concentration per Run	0.0023 ppm	100.9366 %	101.8247 %	95.7694 %	99.7348 %	101.7013 %	95.5759 %
Concentration per Run	0.0023 ppm	99.7726 %	100.4836 %	96.5726 %	97.3354 %	98.2274 %	96.2101 %
Concentration per Run	0.0027 ppm	98.8211 %	100.7419 %	96.3965 %	96.8159 %	98.8280 %	95.7842 %
Concentration RSD	9.7 %	1.1 %	0.7 %	0.4 %	1.6 %	1.9 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2114010-5 WG2114010

Analysis started at: 9/12/2025 6:57:35 PM

Comment

Rack Number 2

Vial Numbers 43

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	Ba 455.403 Radial-IFR)	B 208.959 Axial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0693 ppm	1.9258 ppm	0.1165 ppm	1.8860 ppm	0.9387 ppm	0.0486 ppm	10.5973 ppm
Concentration per Run	0.0684 ppm	1.9386 ppm	0.1170 ppm	1.8855 ppm	0.9345 ppm	0.0485 ppm	10.5896 ppm
Concentration per Run	0.0695 ppm	1.9266 ppm	0.1165 ppm	1.8914 ppm	0.9372 ppm	0.0487 ppm	10.6155 ppm
Concentration per Run	0.0701 ppm	1.9121 ppm	0.1160 ppm	1.8811 ppm	0.9444 ppm	0.0487 ppm	10.5869 ppm
Concentration RSD	1.2 %	0.7 %	0.4 %	0.3 %	0.5 %	0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0504 ppm	0.4708 ppm	0.1900 ppm	0.2527 ppm	0.9568 ppm	51.4335 ppm	-0.0040 ppm
Concentration per Run	0.0500 ppm	0.4694 ppm	0.1908 ppm	0.2531 ppm	0.9555 ppm	51.3144 ppm	-0.0046 ppm
Concentration per Run	0.0503 ppm	0.4710 ppm	0.1897 ppm	0.2533 ppm	0.9545 ppm	51.5953 ppm	-0.0039 ppm
Concentration per Run	0.0508 ppm	0.4718 ppm	0.1896 ppm	0.2516 ppm	0.9604 ppm	51.3908 ppm	-0.0035 ppm
Concentration RSD	0.8 %	0.3 %	0.3 %	0.4 %	0.3 %	0.3 %	13.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.8746 ppm	0.4669 ppm	0.9422 ppm	63.2339 ppm	0.4836 ppm	0.5206 ppm	0.4734 ppm
Concentration per Run	9.8904 ppm	0.4688 ppm	0.9382 ppm	63.5500 ppm	0.4813 ppm	0.5191 ppm	0.4704 ppm
Concentration per Run	9.8237 ppm	0.4684 ppm	0.9441 ppm	63.6474 ppm	0.4817 ppm	0.5232 ppm	0.4748 ppm
Concentration per Run	9.9097 ppm	0.4655 ppm	0.9444 ppm	62.5043 ppm	0.4877 ppm	0.5195 ppm	0.4749 ppm
Concentration RSD	0.5 %	0.4 %	0.4 %	1.0 %	0.7 %	0.4 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1186 ppm	1.3938 ppm	0.9428 ppm	0.9470 ppm	0.9680 ppm	0.1089 ppm	0.5009 ppm
Concentration per Run	0.1180 ppm	1.3881 ppm	0.9390 ppm	0.9457 ppm	0.9625 ppm	0.1094 ppm	0.4986 ppm
Concentration per Run	0.1214 ppm	1.3932 ppm	0.9488 ppm	0.9503 ppm	0.9668 ppm	0.1109 ppm	0.5009 ppm
Concentration per Run	0.1165 ppm	1.4000 ppm	0.9435 ppm	0.9449 ppm	0.9745 ppm	0.1065 ppm	0.5033 ppm
Concentration RSD	2.1 %	0.4 %	0.4 %	0.3 %	0.6 %	2.1 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4663 ppm	99.2002 %	102.3444 %	94.9601 %	97.4411 %	101.4619 %	94.8219 %
Concentration per Run	0.4636 ppm	99.7289 %	102.4569 %	95.0667 %	97.7840 %	102.4870 %	94.8054 %
Concentration per Run	0.4657 ppm	99.5355 %	101.6310 %	94.6342 %	97.9273 %	101.3802 %	94.5529 %
Concentration per Run	0.4695 ppm	98.3363 %	102.9451 %	95.1794 %	96.6119 %	100.5185 %	95.1074 %
Concentration RSD	0.6 %	0.8 %	0.6 %	0.3 %	0.7 %	1.0 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: WG2114010-6d5 WG2114010

Analysis started at: 9/12/2025 6:59:40 PM

Comment: <Comment>

Rack Number: 2

Vial Numbers: 44

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0045 ppm	0.0081 ppm	-0.0011 ppm	0.0035 ppm	0.0016 ppm	0.0000 ppm	0.1909 ppm
Concentration per Run	0.0044 ppm	0.0132 ppm	-0.0009 ppm	0.0048 ppm	0.0013 ppm	0.0000 ppm	0.1875 ppm
Concentration per Run	0.0047 ppm	0.0047 ppm	-0.0018 ppm	0.0033 ppm	0.0016 ppm	0.0000 ppm	0.1894 ppm
Concentration per Run	0.0044 ppm	0.0065 ppm	-0.0007 ppm	0.0024 ppm	0.0020 ppm	0.0000 ppm	0.1958 ppm
Concentration RSD	3.2 %	54.8 %	52.3 %	34.2 %	21.5 %	364.749.0 %	2.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0021 ppm	0.0023 ppm	8.7808 ppm	-0.0035 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0018 ppm	0.0033 ppm	8.7834 ppm	-0.0054 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0023 ppm	0.0017 ppm	8.6777 ppm	-0.0050 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0023 ppm	0.0018 ppm	8.8812 ppm	-0.0002 ppm
Concentration RSD	93.2 %	18.7 %	34.3 %	13.7 %	38.6 %	1.2 %	81.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0394 ppm	0.0003 ppm	0.0013 ppm	11.4079 ppm	0.0018 ppm	0.0004 ppm	0.0100 ppm
Concentration per Run	0.0403 ppm	0.0003 ppm	0.0013 ppm	11.3508 ppm	0.0021 ppm	-0.0003 ppm	0.0049 ppm
Concentration per Run	0.0404 ppm	0.0003 ppm	0.0011 ppm	11.3441 ppm	0.0016 ppm	0.0013 ppm	0.0121 ppm
Concentration per Run	0.0376 ppm	0.0003 ppm	0.0016 ppm	11.5288 ppm	0.0016 ppm	0.0001 ppm	0.0130 ppm
Concentration RSD	4.1 %	12.3 %	18.9 %	0.9 %	18.7 %	227.9 %	44.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	0.1199 ppm	0.0057 ppm	0.0021 ppm	0.0004 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run	0.0010 ppm	0.1218 ppm	0.0043 ppm	0.0018 ppm	0.0003 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0008 ppm	0.1192 ppm	0.0053 ppm	0.0021 ppm	0.0002 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	0.1186 ppm	0.0074 ppm	0.0023 ppm	0.0005 ppm	-0.0004 ppm	0.0002 ppm
Concentration RSD	71.2 %	1.4 %	27.4 %	12.8 %	23.8 %	200.7 %	313.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	100.7690 %	101.1610 %	97.5819 %	99.6168 %	100.9221 %	96.1189 %
Concentration per Run	0.0006 ppm	100.5146 %	100.8607 %	97.8212 %	99.3516 %	100.6009 %	95.9752 %
Concentration per Run	0.0005 ppm	101.5881 %	102.3639 %	97.8028 %	99.9144 %	101.4156 %	96.5384 %
Concentration per Run	0.0007 ppm	100.2042 %	100.2586 %	97.1218 %	99.5845 %	100.7499 %	95.8432 %
Concentration RSD	18.9 %	0.7 %	1.1 %	0.4 %	0.3 %	0.4 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: XL2554258-01 WG2114010

Analysis started at: 9/12/2025 7:01:46 PM

Comment

Rack Number 2

Vial Numbers 45

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	1.8762 ppm	-0.0002 ppm	-0.0026 ppm	0.0046 ppm	0.0022 ppm	-0.0001 ppm	0.8400 ppm
Concentration per Run	1.8495 ppm	0.0011 ppm	-0.0035 ppm	0.0041 ppm	0.0021 ppm	-0.0001 ppm	0.8427 ppm
Concentration per Run	1.8540 ppm	-0.0012 ppm	-0.0020 ppm	0.0050 ppm	0.0022 ppm	-0.0001 ppm	0.8349 ppm
Concentration per Run	1.9250 ppm	-0.0005 ppm	-0.0025 ppm	0.0046 ppm	0.0022 ppm	0.0000 ppm	0.8425 ppm
Concentration RSD	2.3 %	573.5 %	29.2 %	9.1 %	4.6 %	49.0 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0007 ppm	0.1593 ppm	0.0117 ppm	47.8457 ppm	-0.0037 ppm
Concentration per Run	-0.0001 ppm	-0.0005 ppm	0.0008 ppm	0.1593 ppm	0.0105 ppm	48.1646 ppm	-0.0040 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0008 ppm	0.1585 ppm	0.0106 ppm	47.7306 ppm	-0.0036 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.1601 ppm	0.0138 ppm	47.6420 ppm	-0.0036 ppm
Concentration RSD	92.4 %	392.0 %	23.6 %	0.5 %	16.1 %	0.6 %	6.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1745 ppm	0.0004 ppm	0.0001 ppm	57.6466 ppm	0.0208 ppm	0.0021 ppm	0.0041 ppm
Concentration per Run	0.1752 ppm	0.0005 ppm	0.0002 ppm	58.1160 ppm	0.0208 ppm	0.0024 ppm	0.0049 ppm
Concentration per Run	0.1728 ppm	0.0003 ppm	0.0000 ppm	57.3295 ppm	0.0212 ppm	0.0024 ppm	0.0038 ppm
Concentration per Run	0.1754 ppm	0.0005 ppm	0.0000 ppm	57.4944 ppm	0.0204 ppm	0.0016 ppm	0.0035 ppm
Concentration RSD	0.8 %	17.1 %	144.0 %	0.7 %	1.9 %	20.0 %	17.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	0.5367 ppm	0.0552 ppm	0.0065 ppm	-0.0006 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	-0.0016 ppm	0.5381 ppm	0.0555 ppm	0.0065 ppm	-0.0009 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0013 ppm	0.5312 ppm	0.0556 ppm	0.0063 ppm	-0.0002 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run	0.0014 ppm	0.5409 ppm	0.0546 ppm	0.0065 ppm	-0.0003 ppm	0.0014 ppm	-0.0001 ppm
Concentration RSD	475.7 %	0.9 %	1.0 %	1.9 %	45.9 %	81.1 %	350.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0215 ppm	97.1249 %	99.6797 %	94.8302 %	95.3743 %	98.5564 %	94.5517 %
Concentration per Run	0.0212 ppm	97.0592 %	98.8298 %	94.6452 %	95.6389 %	98.4414 %	94.6812 %
Concentration per Run	0.0217 ppm	97.4533 %	100.5708 %	94.8577 %	95.5624 %	99.6491 %	94.5391 %
Concentration per Run	0.0215 ppm	96.8623 %	99.6385 %	94.9878 %	94.9216 %	97.5830 %	94.4346 %
Concentration RSD	1.0 %	0.3 %	0.9 %	0.2 %	0.4 %	1.1 %	0.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: XL2554258-01 WG2114010

Analysis started at: 9/12/2025 7:03:54 PM

Comment

Prep 25x

Rack Number

2

Vial Numbers

46

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	1.7051 ppm	-0.0025 ppm	-0.0009 ppm	0.0038 ppm	0.0006 ppm	0.0000 ppm	0.3266 ppm
Concentration per Run	1.6626 ppm	-0.0044 ppm	0.0013 ppm	0.0038 ppm	0.0008 ppm	-0.0001 ppm	0.3216 ppm
Concentration per Run	1.7069 ppm	-0.0078 ppm	-0.0023 ppm	0.0051 ppm	0.0007 ppm	-0.0001 ppm	0.3244 ppm
Concentration per Run	1.7457 ppm	0.0046 ppm	-0.0017 ppm	0.0024 ppm	0.0004 ppm	0.0000 ppm	0.3337 ppm
Concentration RSD	2.4 %	252.0 %	213.0 %	35.2 %	29.3 %	85.3 %	1.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0006 ppm	-0.0001 ppm	0.0633 ppm	0.0001 ppm	18.7464 ppm	-0.0027 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0004 ppm	0.0617 ppm	0.0055 ppm	18.5087 ppm	-0.0028 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	-0.0004 ppm	0.0641 ppm	0.0045 ppm	18.8350 ppm	-0.0042 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	-0.0003 ppm	0.0642 ppm	0.0052 ppm	18.8954 ppm	-0.0012 ppm
Concentration RSD	240.5 %	18.4 %	385.5 %	2.3 %	9.8 %	1.1 %	55.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0690 ppm	0.0003 ppm	-0.0003 ppm	22.9812 ppm	0.0079 ppm	0.0002 ppm	0.0029 ppm
Concentration per Run	0.0670 ppm	0.0002 ppm	0.0001 ppm	22.6231 ppm	0.0070 ppm	-0.0005 ppm	0.0032 ppm
Concentration per Run	0.0685 ppm	0.0001 ppm	-0.0005 ppm	22.9888 ppm	0.0083 ppm	0.0016 ppm	0.0039 ppm
Concentration per Run	0.0714 ppm	0.0006 ppm	-0.0003 ppm	23.3316 ppm	0.0083 ppm	-0.0004 ppm	0.0016 ppm
Concentration RSD	3.2 %	82.5 %	117.4 %	1.5 %	9.7 %	543.5 %	40.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	0.2165 ppm	0.0239 ppm	0.0026 ppm	-0.0003 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0034 ppm	0.2119 ppm	0.0224 ppm	0.0027 ppm	-0.0003 ppm	-0.0009 ppm	-0.0003 ppm
Concentration per Run	-0.0016 ppm	0.2199 ppm	0.0250 ppm	0.0027 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	-0.0007 ppm	0.2177 ppm	0.0244 ppm	0.0025 ppm	-0.0001 ppm	0.0019 ppm	-0.0001 ppm
Concentration RSD	781.1 %	1.9 %	5.6 %	2.6 %	69.1 %	456.3 %	89.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0083 ppm	99.0025 %	100.5419 %	98.0850 %	97.9242 %	99.2739 %	96.6279 %
Concentration per Run	0.0081 ppm	100.7075 %	101.6686 %	97.6839 %	99.6329 %	100.3277 %	96.2245 %
Concentration per Run	0.0084 ppm	97.9877 %	99.6951 %	99.0209 %	97.3883 %	99.5011 %	97.5230 %
Concentration per Run	0.0083 ppm	98.3122 %	100.2621 %	97.5503 %	96.7515 %	97.9928 %	96.1361 %
Concentration RSD	1.8 %	1.5 %	1.0 %	0.8 %	1.5 %	1.2 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: XL2554258-03.WG2114010

Analysis started at: 9/12/2025 7:05:59 PM

Comment

Rack Number 2

Vial Numbers 47

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.7513 ppm	-0.0013 ppm	-0.0004 ppm	0.0033 ppm	0.0032 ppm	-0.0001 ppm	1.1104 ppm
Concentration per Run	0.7531 ppm	0.0025 ppm	0.0003 ppm	0.0043 ppm	0.0032 ppm	-0.0001 ppm	1.1142 ppm
Concentration per Run	0.7503 ppm	0.0047 ppm	-0.0010 ppm	0.0029 ppm	0.0031 ppm	0.0000 ppm	1.1086 ppm
Concentration per Run	0.7504 ppm	-0.0110 ppm	-0.0004 ppm	0.0028 ppm	0.0032 ppm	-0.0001 ppm	1.1085 ppm
Concentration RSD	0.2 %	674.4 %	168.3 %	26.0 %	2.2 %	59.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0014 ppm	0.1921 ppm	0.0256 ppm	13.3907 ppm	-0.0030 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0019 ppm	0.1930 ppm	0.0254 ppm	13.4143 ppm	-0.0055 ppm
Concentration per Run	0.0000 ppm	0.0011 ppm	0.0012 ppm	0.1908 ppm	0.0251 ppm	13.4425 ppm	-0.0011 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0012 ppm	0.1926 ppm	0.0264 ppm	13.3152 ppm	-0.0024 ppm
Concentration RSD	235.3 %	324.3 %	31.0 %	0.6 %	2.7 %	0.5 %	74.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2699 ppm	0.0010 ppm	0.0000 ppm	56.6519 ppm	0.0254 ppm	0.0075 ppm	0.0019 ppm
Concentration per Run	0.2726 ppm	0.0012 ppm	0.0000 ppm	56.5496 ppm	0.0270 ppm	0.0084 ppm	0.0047 ppm
Concentration per Run	0.2678 ppm	0.0010 ppm	-0.0004 ppm	56.9056 ppm	0.0246 ppm	0.0068 ppm	-0.0003 ppm
Concentration per Run	0.2693 ppm	0.0009 ppm	0.0003 ppm	56.5005 ppm	0.0246 ppm	0.0073 ppm	0.0013 ppm
Concentration RSD	0.9 %	12.9 %	1.681.6 %	0.4 %	5.5 %	10.6 %	134.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0009 ppm	0.7069 ppm	0.0409 ppm	0.0089 ppm	-0.0005 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0012 ppm	0.7088 ppm	0.0416 ppm	0.0087 ppm	-0.0007 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	-0.0017 ppm	0.7044 ppm	0.0399 ppm	0.0089 ppm	-0.0005 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run	-0.0022 ppm	0.7076 ppm	0.0411 ppm	0.0089 ppm	-0.0005 ppm	0.0013 ppm	0.0002 ppm
Concentration RSD	197.9 %	0.3 %	2.1 %	1.4 %	23.5 %	136.8 %	630.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0272 ppm	98.8080 %	102.4542 %	95.5813 %	97.1120 %	101.8022 %	94.8379 %
Concentration per Run	0.0274 ppm	99.2678 %	103.1304 %	95.7595 %	97.8910 %	103.3569 %	94.8126 %
Concentration per Run	0.0268 ppm	98.5452 %	101.0956 %	95.5977 %	96.6266 %	99.8050 %	94.8620 %
Concentration per Run	0.0274 ppm	98.6111 %	103.1365 %	95.3867 %	96.8185 %	102.2446 %	94.8390 %
Concentration RSD	1.2 %	0.4 %	1.1 %	0.2 %	0.7 %	1.8 %	0.0 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCV

Sample: 9/12/2025 7:08:05 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5311 ppm	0.4914 ppm	0.4863 ppm	0.4706 ppm	0.4921 ppm	0.5011 ppm	0.4874 ppm
Concentration per Run	0.5328 ppm	0.4906 ppm	0.4862 ppm	0.4906 ppm	0.4955 ppm	0.5053 ppm	0.4909 ppm
Concentration per Run	0.5299 ppm	0.4915 ppm	0.4835 ppm	0.4681 ppm	0.4876 ppm	0.4969 ppm	0.4885 ppm
Concentration per Run	0.5307 ppm	0.4920 ppm	0.4893 ppm	0.4742 ppm	0.4933 ppm	0.5010 ppm	0.4828 ppm
Recovery Percentage	106.224 %	98.273 %	97.269 %	94.113 %	98.428 %	100.211 %	97.483 %
Concentration RSD	0.3 %	0.1 %	0.6 %	0.7 %	0.8 %	0.8 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5028 ppm	0.5086 ppm	0.5070 ppm	0.5212 ppm	0.4992 ppm	5.1709 ppm	0.4972 ppm
Concentration per Run	0.5034 ppm	0.5091 ppm	0.5067 ppm	0.5205 ppm	0.5042 ppm	5.1999 ppm	0.5069 ppm
Concentration per Run	0.5019 ppm	0.5076 ppm	0.5083 ppm	0.5207 ppm	0.4955 ppm	5.1406 ppm	0.4929 ppm
Concentration per Run	0.5032 ppm	0.5091 ppm	0.5079 ppm	0.5225 ppm	0.4977 ppm	5.1722 ppm	0.4917 ppm
Recovery Percentage	100.566 %	101.717 %	101.391 %	104.248 %	99.832 %	103.418 %	99.432 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.9 %	0.6 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5184 ppm	0.4968 ppm	0.4811 ppm	10.2301 ppm	0.5107 ppm	0.5178 ppm	0.5120 ppm
Concentration per Run	0.5180 ppm	0.5013 ppm	0.4819 ppm	10.2461 ppm	0.5111 ppm	0.5160 ppm	0.5130 ppm
Concentration per Run	0.5171 ppm	0.4923 ppm	0.4811 ppm	10.1054 ppm	0.5109 ppm	0.5190 ppm	0.5099 ppm
Concentration per Run	0.5202 ppm	0.4967 ppm	0.4804 ppm	10.3387 ppm	0.5103 ppm	0.5184 ppm	0.5129 ppm
Recovery Percentage	103.689 %	99.352 %	96.226 %	102.301 %	102.148 %	103.565 %	102.392 %
Concentration RSD	0.3 %	0.9 %	0.2 %	1.1 %	0.1 %	0.3 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4787 ppm	5.3433 ppm	0.4814 ppm	0.4961 ppm	0.5016 ppm	0.4839 ppm	0.5135 ppm
Concentration per Run	0.4776 ppm	5.3365 ppm	0.4819 ppm	0.5004 ppm	0.5055 ppm	0.4825 ppm	0.5139 ppm
Concentration per Run	0.4797 ppm	5.3377 ppm	0.4781 ppm	0.4908 ppm	0.4994 ppm	0.4841 ppm	0.5127 ppm
Concentration per Run	0.4787 ppm	5.3557 ppm	0.4842 ppm	0.4973 ppm	0.5001 ppm	0.4851 ppm	0.5141 ppm
Recovery Percentage	95.731 %	101.777 %	96.283 %	99.226 %	100.328 %	96.782 %	102.707 %
Concentration RSD	0.2 %	0.2 %	0.6 %	1.0 %	0.7 %	0.3 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4791 ppm	100.8149 %	102.7817 %	97.9029 %	99.6947 %	101.6238 %	96.8297 %
Concentration per Run	0.4802 ppm	100.6328 %	102.4192 %	98.5477 %	99.5815 %	100.7281 %	97.0893 %
Concentration per Run	0.4772 ppm	100.6906 %	103.5210 %	97.9924 %	99.8836 %	102.0878 %	97.2755 %
Concentration per Run	0.4799 ppm	101.1212 %	102.4048 %	97.1687 %	99.6191 %	102.0556 %	96.1244 %
Recovery Percentage	95.827 %						
Concentration RSD	0.3 %	0.3 %	0.6 %	0.7 %	0.2 %	0.8 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCB

Sample: 9/12/2025 7:20:00 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	0.0030 ppm	-0.0008 ppm	0.0019 ppm	-0.0003 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run	0.0007 ppm	0.0124 ppm	0.0013 ppm	0.0023 ppm	-0.0001 ppm	0.0040 ppm	0.0040 ppm
Concentration per Run	-0.0005 ppm	0.0022 ppm	-0.0041 ppm	0.0016 ppm	-0.0002 ppm	-0.0001 ppm	-0.0018 ppm
Concentration per Run	0.0010 ppm	-0.0055 ppm	0.0005 ppm	0.0018 ppm	-0.0004 ppm	0.0000 ppm	0.0075 ppm
Recovery Percentage	5.711 %	3.007 %	-15.248 %	6.323 %	-3.281 %	-0.840 %	3.234 %
Concentration RSD	190.5 %	299.7 %	378.4 %	19.1 %	27.5 %	158.4 %	145.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0197 ppm	-0.0027 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	-0.0001 ppm	-0.0001 ppm	-0.0014 ppm	-0.0067 ppm	-0.0040 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	0.0012 ppm	0.0003 ppm	0.0006 ppm	0.0268 ppm	-0.0017 ppm
Concentration per Run	-0.0001 ppm	-0.0005 ppm	0.0002 ppm	-0.0001 ppm	0.0013 ppm	0.0390 ppm	-0.0023 ppm
Recovery Percentage	-1.003 %	1.669 %	4.232 %	0.343 %	0.356 %	0.787 %	-53.432 %
Concentration RSD	54.7 %	214.9 %	158.3 %	768.3 %	773.6 %	120.3 %	43.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0015 ppm	0.0000 ppm	0.0005 ppm	-0.0067 ppm	0.0003 ppm	-0.0005 ppm	0.0019 ppm
Concentration per Run	0.0006 ppm	0.0001 ppm	-0.0007 ppm	0.0005 ppm	0.0005 ppm	0.0029 ppm	0.0029 ppm
Concentration per Run	-0.0017 ppm	-0.0001 ppm	-0.0004 ppm	-0.0094 ppm	-0.0002 ppm	-0.0015 ppm	0.0023 ppm
Concentration per Run	-0.0034 ppm	0.0000 ppm	-0.0003 ppm	-0.0056 ppm	0.0004 ppm	-0.0007 ppm	0.0006 ppm
Recovery Percentage	-1.511 %	-0.048 %	-0.934 %	-0.335 %	1.069 %	-5.323 %	3.855 %
Concentration RSD	131.8 %	2.045.8 %	47.5 %	34.9 %	137.3 %	197.8 %	60.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	-0.0023 ppm	0.0004 ppm	-0.0001 ppm	-0.0008 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0032 ppm	-0.0030 ppm	0.0014 ppm	-0.0001 ppm	-0.0007 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run	0.0021 ppm	-0.0010 ppm	-0.0001 ppm	-0.0001 ppm	-0.0004 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0027 ppm	-0.0029 ppm	0.0000 ppm	0.0000 ppm	-0.0014 ppm	0.0005 ppm	-0.0002 ppm
Recovery Percentage	26.926 %	-0.464 %	0.702 %	-0.566 %	-8.234 %	-2.241 %	-0.868 %
Concentration RSD	19.6 %	50.1 %	259.3 %	88.9 %	59.2 %	192.7 %	125.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0003 ppm	96.5837 %	99.0687 %	95.2011 %	97.8374 %	100.5583 %	95.4505 %
Concentration per Run	-0.0004 ppm	97.0305 %	98.2698 %	95.4768 %	98.0796 %	99.0223 %	95.5591 %
Concentration per Run	-0.0003 ppm	95.9863 %	99.1333 %	94.6647 %	96.6140 %	100.9344 %	95.0276 %
Concentration per Run	-0.0001 ppm	96.7343 %	99.8029 %	95.4619 %	98.8186 %	101.7182 %	95.7649 %
Recovery Percentage	-5.223 %	0.6 %	0.8 %	0.5 %	1.1 %	1.4 %	0.4 %
Concentration RSD	73.3 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554407-05d20 WG2109822

Analysis started at: 9/12/2025 7:23:54 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	-0.0059 ppm	-0.0020 ppm	0.0010 ppm	0.0010 ppm	-0.0001 ppm	2.1850 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0034 ppm	0.0004 ppm	0.0011 ppm	-0.0001 ppm	2.1719 ppm
Concentration per Run	0.0002 ppm	-0.0108 ppm	-0.0031 ppm	0.0010 ppm	0.0010 ppm	-0.0001 ppm	2.1698 ppm
Concentration per Run	0.0006 ppm	-0.0069 ppm	0.0004 ppm	0.0017 ppm	0.0009 ppm	0.0000 ppm	2.2132 ppm
Concentration RSD	79.8 %	94.9 %	105.7 %	64.6 %	8.2 %	87.9 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	9.4274 ppm	-0.0007 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0001 ppm	-0.0003 ppm	9.3417 ppm	-0.0015 ppm
Concentration per Run	-0.0002 ppm	-0.0001 ppm	-0.0005 ppm	-0.0001 ppm	0.0010 ppm	9.3952 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0007 ppm	0.0003 ppm	-0.0001 ppm	9.5452 ppm	-0.0007 ppm
Concentration RSD	218.4 %	134.3 %	239.6 %	201.0 %	360.6 %	1.1 %	102.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0142 ppm	0.0001 ppm	-0.0005 ppm	2.7616 ppm	0.0013 ppm	0.0006 ppm	0.0038 ppm
Concentration per Run	0.0138 ppm	0.0003 ppm	-0.0005 ppm	2.7303 ppm	0.0008 ppm	0.0004 ppm	0.0033 ppm
Concentration per Run	0.0139 ppm	0.0001 ppm	0.0000 ppm	2.7634 ppm	0.0014 ppm	0.0012 ppm	0.0027 ppm
Concentration per Run	0.0149 ppm	-0.0001 ppm	-0.0009 ppm	2.7911 ppm	0.0017 ppm	0.0003 ppm	0.0054 ppm
Concentration RSD	4.5 %	250.5 %	96.7 %	1.1 %	36.1 %	72.6 %	37.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0006 ppm	0.0054 ppm	0.0000 ppm	0.0216 ppm	-0.0006 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	0.0043 ppm	0.0009 ppm	0.0216 ppm	-0.0008 ppm	0.0003 ppm	-0.0004 ppm
Concentration per Run	-0.0008 ppm	0.0055 ppm	-0.0011 ppm	0.0216 ppm	-0.0007 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run	0.0007 ppm	0.0065 ppm	0.0002 ppm	0.0218 ppm	-0.0005 ppm	-0.0003 ppm	-0.0001 ppm
Concentration RSD	223.0 %	20.3 %	420.546.4 %	0.5 %	24.5 %	202.2 %	202.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0002 ppm	98.8602 %	97.7365 %	95.8957 %	97.9358 %	97.4533 %	94.5192 %
Concentration per Run	-0.0004 ppm	96.5358 %	96.4890 %	96.2588 %	95.0788 %	98.5196 %	95.0224 %
Concentration per Run	-0.0001 ppm	99.9515 %	97.7970 %	96.1211 %	99.0410 %	98.0020 %	94.6240 %
Concentration per Run	0.0000 ppm	100.0932 %	96.9235 %	95.3073 %	99.6877 %	95.8384 %	93.9111 %
Concentration RSD	96.9 %	2.0 %	0.8 %	0.5 %	2.5 %	1.5 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 7:32:56 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5071 ppm	0.4968 ppm	0.4975 ppm	0.4737 ppm	0.4991 ppm	0.5070 ppm	0.4960 ppm
Concentration per Run	0.5059 ppm	0.4982 ppm	0.5093 ppm	0.4720 ppm	0.5066 ppm	0.4934 ppm	0.4934 ppm
Concentration per Run	0.5047 ppm	0.4925 ppm	0.5012 ppm	0.4704 ppm	0.4922 ppm	0.5005 ppm	0.4897 ppm
Concentration per Run	0.5107 ppm	0.4999 ppm	0.4821 ppm	0.4788 ppm	0.5060 ppm	0.5140 ppm	0.5049 ppm
Recovery Percentage	101.418 %	99.370 %	99.502 %	94.746 %	99.820 %	101.410 %	99.204 %
Concentration RSD	0.6 %	0.8 %	2.8 %	0.9 %	1.4 %	1.3 %	1.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5054 ppm	0.5159 ppm	0.5126 ppm	0.5283 ppm	0.5065 ppm	5.2348 ppm	0.5070 ppm
Concentration per Run	0.5040 ppm	0.5143 ppm	0.5126 ppm	0.5278 ppm	0.5064 ppm	5.2403 ppm	0.5008 ppm
Concentration per Run	0.5035 ppm	0.5128 ppm	0.5090 ppm	0.5243 ppm	0.5021 ppm	5.1731 ppm	0.5037 ppm
Concentration per Run	0.5087 ppm	0.5206 ppm	0.5163 ppm	0.5327 ppm	0.5111 ppm	5.2912 ppm	0.5165 ppm
Recovery Percentage	101.082 %	103.174 %	102.519 %	105.655 %	101.309 %	104.697 %	101.398 %
Concentration RSD	0.6 %	0.8 %	0.7 %	0.8 %	0.9 %	1.1 %	1.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5175 ppm	0.5019 ppm	0.4859 ppm	10.2990 ppm	0.5186 ppm	0.5301 ppm	0.5121 ppm
Concentration per Run	0.5175 ppm	0.5018 ppm	0.4861 ppm	10.3562 ppm	0.5187 ppm	0.5422 ppm	0.5105 ppm
Concentration per Run	0.5178 ppm	0.4955 ppm	0.4827 ppm	10.1015 ppm	0.5142 ppm	0.5362 ppm	0.5102 ppm
Concentration per Run	0.5172 ppm	0.5083 ppm	0.4890 ppm	10.4393 ppm	0.5230 ppm	0.5118 ppm	0.5157 ppm
Recovery Percentage	103.504 %	100.374 %	97.186 %	102.990 %	103.728 %	106.018 %	102.424 %
Concentration RSD	0.1 %	1.3 %	0.6 %	1.7 %	0.8 %	3.0 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4938 ppm	5.4067 ppm	0.4875 ppm	0.5023 ppm	0.5062 ppm	0.4971 ppm	0.5185 ppm
Concentration per Run	0.5031 ppm	5.3880 ppm	0.4874 ppm	0.5014 ppm	0.5054 ppm	0.5101 ppm	0.5180 ppm
Concentration per Run	0.4986 ppm	5.3742 ppm	0.4818 ppm	0.4957 ppm	0.5049 ppm	0.5011 ppm	0.5151 ppm
Concentration per Run	0.4798 ppm	5.4580 ppm	0.4933 ppm	0.5097 ppm	0.5085 ppm	0.4800 ppm	0.5224 ppm
Recovery Percentage	98.765 %	102.985 %	97.500 %	100.455 %	101.250 %	99.414 %	103.705 %
Concentration RSD	2.5 %	0.8 %	1.2 %	1.4 %	0.4 %	3.1 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4821 ppm	100.5423 %	101.2088 %	95.9752 %	99.3561 %	99.8618 %	94.8546 %
Concentration per Run	0.4823 ppm	100.6942 %	101.3002 %	94.5034 %	99.7563 %	101.0273 %	93.3969 %
Concentration per Run	0.4797 ppm	101.1069 %	102.0928 %	94.0492 %	99.8536 %	100.3932 %	93.2209 %
Concentration per Run	0.4843 ppm	99.8257 %	100.2334 %	99.3730 %	98.4583 %	98.1649 %	97.9461 %
Recovery Percentage	96.417 %						
Concentration RSD	0.5 %	0.7 %	0.9 %	3.1 %	0.8 %	1.5 %	2.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 7:35:12 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0025 ppm	-0.0011 ppm	-0.0007 ppm	-0.0001 ppm	0.0002 ppm	-0.0021 ppm
Concentration per Run	-0.0002 ppm	0.0114 ppm	-0.0021 ppm	-0.0013 ppm	-0.0002 ppm	0.0001 ppm	-0.0019 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	-0.0011 ppm	-0.0006 ppm	-0.0001 ppm	0.0001 ppm	0.0015 ppm
Concentration per Run	0.0004 ppm	-0.0045 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0058 ppm
Recovery Percentage	0.867 %	2.510 %	-22.621 %	-2.180 %	-1.399 %	3.845 %	-2.070 %
Concentration RSD	485.1 %	323.7 %	85.6 %	101.5 %	51.5 %	83.8 %	175.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0010 ppm	0.0179 ppm	-0.0024 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0002 ppm	0.0017 ppm	0.0073 ppm	-0.0033 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0003 ppm	-0.0002 ppm	0.0006 ppm	0.0211 ppm	-0.0013 ppm
Concentration per Run	-0.0002 ppm	-0.0010 ppm	0.0006 ppm	0.0003 ppm	0.0008 ppm	0.0253 ppm	-0.0027 ppm
Recovery Percentage	-0.016 %	-0.535 %	4.655 %	0.782 %	2.045 %	0.716 %	-48.714 %
Concentration RSD	17,206.6 %	753.3 %	30.8 %	317.0 %	56.8 %	52.7 %	41.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0031 ppm	0.0000 ppm	0.0000 ppm	-0.0101 ppm	0.0001 ppm	0.0004 ppm	0.0039 ppm
Concentration per Run	-0.0002 ppm	-0.0001 ppm	0.0002 ppm	-0.0114 ppm	0.0002 ppm	-0.0001 ppm	0.0047 ppm
Concentration per Run	-0.0074 ppm	0.0001 ppm	-0.0005 ppm	-0.0140 ppm	0.0003 ppm	0.0026 ppm	0.0026 ppm
Concentration per Run	-0.0018 ppm	0.0000 ppm	0.0003 ppm	-0.0049 ppm	0.0000 ppm	0.0006 ppm	0.0043 ppm
Recovery Percentage	-3.128 %	0.096 %	0.072 %	-0.505 %	0.593 %	4.319 %	7.703 %
Concentration RSD	120.6 %	919.4 %	1,200.9 %	46.5 %	77.2 %	109.4 %	29.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0025 ppm	-0.0024 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	0.0022 ppm	-0.0040 ppm	-0.0002 ppm	-0.0001 ppm	-0.0003 ppm	0.0022 ppm	0.0002 ppm
Concentration per Run	0.0030 ppm	-0.0026 ppm	0.0016 ppm	0.0000 ppm	-0.0007 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run	0.0023 ppm	-0.0005 ppm	-0.0008 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm	-0.0003 ppm
Recovery Percentage	25.049 %	-0.472 %	0.380 %	0.457 %	-3.918 %	2.718 %	-0.091 %
Concentration RSD	16.4 %	73.4 %	670.2 %	383.3 %	59.1 %	272.4 %	3,219.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0003 ppm	97.0761 %	98.0898 %	96.6743 %	98.2763 %	99.3908 %	96.8540 %
Concentration per Run	-0.0001 ppm	97.6829 %	99.0969 %	96.2523 %	98.7439 %	99.7764 %	96.3606 %
Concentration per Run	-0.0001 ppm	96.4338 %	99.0389 %	97.3821 %	97.9588 %	99.6585 %	97.5502 %
Concentration per Run	-0.0006 ppm	97.1116 %	96.1338 %	96.3884 %	98.1263 %	98.7377 %	96.6512 %
Recovery Percentage	-5.938 %						
Concentration RSD	102.1 %	0.6 %	1.7 %	0.6 %	0.4 %	0.6 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: XL2554258-03.WG2114010

Analysis started at: 9/12/2025 7:39:37 PM

Comment

Rack Number 2

Vial Numbers 48

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.6717 ppm	0.0035 ppm	-0.0022 ppm	0.0014 ppm	0.0011 ppm	-0.0001 ppm	0.4450 ppm
Concentration per Run	0.6766 ppm	0.0042 ppm	-0.0033 ppm	0.0007 ppm	0.0010 ppm	0.0000 ppm	0.4439 ppm
Concentration per Run	0.6691 ppm	0.0063 ppm	-0.0031 ppm	0.0023 ppm	0.0011 ppm	-0.0001 ppm	0.4493 ppm
Concentration per Run	0.6695 ppm	0.0001 ppm	-0.0001 ppm	0.0012 ppm	0.0012 ppm	-0.0001 ppm	0.4419 ppm
Concentration RSD	0.6 %	89.7 %	81.6 %	59.6 %	8.4 %	72.9 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0761 ppm	0.0105 ppm	5.3176 ppm	-0.0024 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0766 ppm	0.0110 ppm	5.2818 ppm	-0.0022 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0752 ppm	0.0110 ppm	5.3673 ppm	-0.0030 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0764 ppm	0.0095 ppm	5.3038 ppm	-0.0021 ppm
Concentration RSD	164.5 %	318.6 %	81.4 %	0.9 %	8.5 %	0.8 %	19.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1052 ppm	0.0003 ppm	0.0000 ppm	22.7143 ppm	0.0101 ppm	0.0034 ppm	0.0010 ppm
Concentration per Run	0.1063 ppm	0.0003 ppm	-0.0002 ppm	22.5916 ppm	0.0105 ppm	0.0037 ppm	0.0030 ppm
Concentration per Run	0.1047 ppm	0.0003 ppm	0.0003 ppm	22.8134 ppm	0.0097 ppm	0.0035 ppm	-0.0011 ppm
Concentration per Run	0.1047 ppm	0.0002 ppm	-0.0001 ppm	22.7381 ppm	0.0100 ppm	0.0029 ppm	0.0011 ppm
Concentration RSD	0.9 %	27.4 %	1.497.5 %	0.5 %	4.3 %	13.2 %	210.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	0.2784 ppm	0.0167 ppm	0.0035 ppm	-0.0004 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	-0.0017 ppm	0.2805 ppm	0.0155 ppm	0.0036 ppm	-0.0004 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run	0.0066 ppm	0.2774 ppm	0.0178 ppm	0.0035 ppm	-0.0003 ppm	0.0017 ppm	0.0000 ppm
Concentration per Run	-0.0021 ppm	0.2775 ppm	0.0169 ppm	0.0035 ppm	-0.0006 ppm	-0.0001 ppm	-0.0002 ppm
Concentration RSD	524.7 %	0.6 %	7.1 %	0.6 %	36.5 %	159.4 %	753.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0110 ppm	100.5894 %	101.8245 %	98.4713 %	99.0285 %	101.3837 %	96.7606 %
Concentration per Run	0.0106 ppm	101.0905 %	102.9757 %	98.6778 %	99.9995 %	102.7389 %	96.8431 %
Concentration per Run	0.0112 ppm	100.5840 %	100.9410 %	98.0438 %	98.6114 %	100.2357 %	96.4901 %
Concentration per Run	0.0113 ppm	100.0938 %	101.5568 %	98.6925 %	98.4746 %	101.1764 %	96.9485 %
Concentration RSD	3.1 %	0.5 %	1.0 %	0.4 %	0.9 %	1.2 %	0.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554258-04 WG2114010
Analysis started at: 9/12/2025 7:41:48 PM
Comment: Prep 10x
Rack Number: 2
Vial Numbers: 49

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0096 ppm	0.0022 ppm	-0.0007 ppm	0.0042 ppm	0.0029 ppm	-0.0001 ppm	1.0533 ppm
Concentration per Run	0.0099 ppm	0.0079 ppm	-0.0009 ppm	0.0030 ppm	0.0029 ppm	-0.0001 ppm	1.0399 ppm
Concentration per Run	0.0096 ppm	-0.0002 ppm	-0.0014 ppm	0.0055 ppm	0.0028 ppm	-0.0001 ppm	1.0548 ppm
Concentration per Run	0.0093 ppm	-0.0010 ppm	0.0003 ppm	0.0041 ppm	0.0030 ppm	0.0000 ppm	1.0651 ppm
Concentration RSD	3.2 %	222.1 %	133.1 %	29.3 %	4.6 %	67.3 %	1.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0087 ppm	0.0023 ppm	18.4666 ppm	-0.0035 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0087 ppm	0.0033 ppm	18.2232 ppm	-0.0021 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0090 ppm	0.0006 ppm	18.4936 ppm	-0.0047 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0083 ppm	0.0030 ppm	18.6830 ppm	-0.0038 ppm
Concentration RSD	93.4 %	33.7 %	92.3 %	3.8 %	63.5 %	1.3 %	37.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2470 ppm	0.0002 ppm	-0.0002 ppm	55.7648 ppm	0.0126 ppm	0.0003 ppm	0.0051 ppm
Concentration per Run	0.2520 ppm	0.0002 ppm	-0.0002 ppm	54.7454 ppm	0.0128 ppm	-0.0004 ppm	0.0069 ppm
Concentration per Run	0.2460 ppm	0.0002 ppm	-0.0002 ppm	55.9222 ppm	0.0131 ppm	0.0016 ppm	0.0049 ppm
Concentration per Run	0.2429 ppm	0.0000 ppm	-0.0003 ppm	56.6268 ppm	0.0118 ppm	-0.0002 ppm	0.0036 ppm
Concentration RSD	1.9 %	67.8 %	28.0 %	1.7 %	5.5 %	313.6 %	32.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0026 ppm	0.5844 ppm	0.0089 ppm	0.0083 ppm	-0.0006 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0038 ppm	0.5912 ppm	0.0092 ppm	0.0083 ppm	-0.0008 ppm	0.0018 ppm	-0.0004 ppm
Concentration per Run	0.0041 ppm	0.5890 ppm	0.0082 ppm	0.0084 ppm	-0.0003 ppm	0.0003 ppm	-0.0005 ppm
Concentration per Run	-0.0001 ppm	0.5730 ppm	0.0093 ppm	0.0082 ppm	-0.0005 ppm	-0.0001 ppm	0.0001 ppm
Concentration RSD	90.5 %	1.7 %	6.9 %	0.8 %	43.4 %	143.2 %	133.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0023 ppm	100.4774 %	103.9510 %	97.6905 %	98.9182 %	101.5391 %	97.0013 %
Concentration per Run	0.0022 ppm	98.9151 %	105.2935 %	98.5261 %	97.2713 %	102.4169 %	97.5155 %
Concentration per Run	0.0024 ppm	100.2611 %	104.0478 %	96.5356 %	98.7938 %	101.7236 %	95.7693 %
Concentration per Run	0.0024 ppm	102.2559 %	102.5118 %	98.0099 %	100.6893 %	100.4769 %	97.7192 %
Concentration RSD	4.3 %	1.7 %	1.3 %	1.1 %	1.7 %	1.0 %	1.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: zL2554258-04.WG2114010

Analysis started at: 9/12/2025 7:43:54 PM

Comment: Prep 25x

Rack Number: 2

Vial Numbers: 50

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0040 ppm	0.0072 ppm	-0.0030 ppm	0.0032 ppm	0.0010 ppm	-0.0001 ppm	0.4491 ppm
Concentration per Run	0.0036 ppm	0.0111 ppm	-0.0011 ppm	0.0035 ppm	0.0009 ppm	-0.0001 ppm	0.4535 ppm
Concentration per Run	0.0041 ppm	0.0068 ppm	-0.0027 ppm	0.0041 ppm	0.0008 ppm	0.0000 ppm	0.4444 ppm
Concentration per Run	0.0045 ppm	0.0036 ppm	-0.0052 ppm	0.0020 ppm	0.0013 ppm	-0.0001 ppm	0.4493 ppm
Concentration RSD	11.9 %	52.5 %	68.3 %	33.2 %	23.3 %	30.2 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0035 ppm	0.0021 ppm	7.7380 ppm	-0.0025 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0037 ppm	0.0019 ppm	7.9122 ppm	-0.0039 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0032 ppm	0.0021 ppm	7.6190 ppm	-0.0025 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0037 ppm	0.0022 ppm	7.6827 ppm	-0.0014 ppm
Concentration RSD	77.5 %	61.3 %	19.6 %	8.5 %	8.0 %	2.0 %	48.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1057 ppm	0.0005 ppm	-0.0003 ppm	23.6179 ppm	0.0049 ppm	-0.0008 ppm	0.0024 ppm
Concentration per Run	0.1068 ppm	0.0005 ppm	-0.0004 ppm	23.9513 ppm	0.0050 ppm	-0.0018 ppm	0.0035 ppm
Concentration per Run	0.1045 ppm	0.0004 ppm	-0.0001 ppm	23.4293 ppm	0.0050 ppm	-0.0006 ppm	0.0064 ppm
Concentration per Run	0.1056 ppm	0.0007 ppm	-0.0003 ppm	23.4730 ppm	0.0046 ppm	-0.0001 ppm	-0.0028 ppm
Concentration RSD	1.0 %	28.7 %	54.4 %	1.2 %	4.3 %	103.7 %	197.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0005 ppm	0.2496 ppm	0.0032 ppm	0.0035 ppm	-0.0006 ppm	0.0011 ppm	-0.0002 ppm
Concentration per Run	-0.0010 ppm	0.2463 ppm	0.0030 ppm	0.0036 ppm	-0.0004 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run	0.0038 ppm	0.2508 ppm	0.0031 ppm	0.0035 ppm	-0.0008 ppm	0.0022 ppm	-0.0002 ppm
Concentration per Run	-0.0013 ppm	0.2516 ppm	0.0036 ppm	0.0034 ppm	-0.0007 ppm	0.0010 ppm	0.0000 ppm
Concentration RSD	567.9 %	1.2 %	11.2 %	2.8 %	26.0 %	86.4 %	93.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0042 ppm	99.6892 %	99.9914 %	98.6403 %	98.6226 %	99.5446 %	97.2123 %
Concentration per Run	0.0041 ppm	100.4521 %	98.3617 %	97.9209 %	99.3250 %	97.8765 %	96.5392 %
Concentration per Run	0.0044 ppm	100.0920 %	100.9946 %	99.0366 %	98.4396 %	100.8632 %	97.6872 %
Concentration per Run	0.0041 ppm	98.5236 %	100.6179 %	98.9633 %	98.1031 %	99.8943 %	97.4105 %
Concentration RSD	3.9 %	1.0 %	1.4 %	0.6 %	0.6 %	1.5 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554258-05 WG2114010

Analysis started at: 9/12/2025 7:46:00 PM

Comment

Rack Number 2

Vial Numbers 51

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0763 ppm	0.0064 ppm	-0.0015 ppm	0.0029 ppm	0.0034 ppm	-0.0001 ppm	1.1351 ppm
Concentration per Run	0.0779 ppm	0.0063 ppm	-0.0015 ppm	0.0026 ppm	0.0033 ppm	0.0000 ppm	1.1366 ppm
Concentration per Run	0.0751 ppm	0.0057 ppm	-0.0022 ppm	0.0032 ppm	0.0033 ppm	-0.0001 ppm	1.1186 ppm
Concentration per Run	0.0758 ppm	0.0071 ppm	-0.0008 ppm	0.0027 ppm	0.0036 ppm	-0.0001 ppm	1.1501 ppm
Concentration RSD	1.9 %	10.9 %	48.1 %	11.1 %	4.3 %	35.4 %	1.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0939 ppm	0.0166 ppm	13.2809 ppm	-0.0025 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0958 ppm	0.0158 ppm	13.2323 ppm	-0.0030 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0927 ppm	0.0173 ppm	13.1115 ppm	-0.0032 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0933 ppm	0.0167 ppm	13.4988 ppm	-0.0013 ppm
Concentration RSD	125.2 %	127.7 %	127.7 %	1.8 %	4.6 %	1.5 %	41.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2691 ppm	0.0007 ppm	-0.0002 ppm	54.9043 ppm	0.0161 ppm	0.0046 ppm	0.0047 ppm
Concentration per Run	0.2761 ppm	0.0007 ppm	-0.0004 ppm	54.7290 ppm	0.0171 ppm	0.0041 ppm	0.0044 ppm
Concentration per Run	0.2623 ppm	0.0007 ppm	-0.0003 ppm	54.3097 ppm	0.0151 ppm	0.0054 ppm	0.0043 ppm
Concentration per Run	0.2688 ppm	0.0007 ppm	-0.0001 ppm	55.6742 ppm	0.0160 ppm	0.0043 ppm	0.0056 ppm
Concentration RSD	2.6 %	4.9 %	58.2 %	1.3 %	6.2 %	15.7 %	14.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0010 ppm	0.6801 ppm	0.0261 ppm	0.0090 ppm	-0.0005 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run	-0.0020 ppm	0.6936 ppm	0.0270 ppm	0.0091 ppm	-0.0006 ppm	0.0020 ppm	-0.0002 ppm
Concentration per Run	-0.0004 ppm	0.6703 ppm	0.0249 ppm	0.0088 ppm	-0.0003 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run	-0.0006 ppm	0.6764 ppm	0.0263 ppm	0.0092 ppm	-0.0007 ppm	0.0001 ppm	0.0002 ppm
Concentration RSD	90.0 %	1.8 %	4.1 %	2.2 %	42.6 %	236.4 %	372.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0121 ppm	99.3234 %	100.3376 %	96.2530 %	97.9978 %	99.3632 %	95.5512 %
Concentration per Run	0.0123 ppm	97.8609 %	100.4344 %	96.5640 %	97.1768 %	99.0659 %	95.8577 %
Concentration per Run	0.0121 ppm	100.3038 %	101.8918 %	96.6939 %	98.2482 %	101.3175 %	95.8559 %
Concentration per Run	0.0119 ppm	99.8056 %	98.6865 %	95.5010 %	98.5682 %	97.7061 %	94.9400 %
Concentration RSD	1.8 %	1.3 %	1.6 %	0.7 %	0.7 %	1.8 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: zL2554258-05 WG2114010

Analysis started at: 9/12/2025 7:48:06 PM

Comment

Prep 25x

Rack Number 2

Vial Numbers

52

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0808 ppm	0.0041 ppm	-0.0018 ppm	0.0027 ppm	0.0012 ppm	-0.0001 ppm	0.4477 ppm
Concentration per Run	0.0808 ppm	0.0808 ppm	-0.0025 ppm	0.0039 ppm	0.0011 ppm	-0.0001 ppm	0.4442 ppm
Concentration per Run	0.0808 ppm	0.0066 ppm	-0.0035 ppm	0.0024 ppm	0.0012 ppm	-0.0001 ppm	0.4458 ppm
Concentration per Run	0.0808 ppm	-0.0030 ppm	0.0005 ppm	0.0017 ppm	0.0012 ppm	-0.0001 ppm	0.4531 ppm
Concentration RSD	0.0 %	150.8 %	114.2 %	41.8 %	2.3 %	16.4 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0007 ppm	0.0376 ppm	0.0088 ppm	5.2723 ppm	-0.0029 ppm
Concentration per Run	-0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0372 ppm	0.0077 ppm	5.2466 ppm	-0.0026 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0377 ppm	0.0074 ppm	5.2879 ppm	-0.0026 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0378 ppm	0.0112 ppm	5.2823 ppm	-0.0034 ppm
Concentration RSD	150.2 %	210.8 %	51.0 %	0.9 %	23.7 %	0.4 %	14.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1090 ppm	0.0002 ppm	0.0000 ppm	21.7934 ppm	0.0068 ppm	0.0014 ppm	0.0022 ppm
Concentration per Run	0.1073 ppm	0.0001 ppm	0.0001 ppm	21.6039 ppm	0.0068 ppm	0.0002 ppm	0.0039 ppm
Concentration per Run	0.1111 ppm	0.0003 ppm	-0.0002 ppm	21.9695 ppm	0.0073 ppm	0.0027 ppm	0.0012 ppm
Concentration per Run	0.1087 ppm	0.0001 ppm	0.0000 ppm	21.8069 ppm	0.0063 ppm	0.0014 ppm	0.0016 ppm
Concentration RSD	1.8 %	57.2 %	393.6 %	0.8 %	6.8 %	85.9 %	64.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0012 ppm	0.2732 ppm	0.0096 ppm	0.0036 ppm	-0.0005 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	-0.0015 ppm	0.2717 ppm	0.0099 ppm	0.0035 ppm	-0.0006 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	-0.0002 ppm	0.2739 ppm	0.0096 ppm	0.0036 ppm	-0.0005 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run	-0.0019 ppm	0.2740 ppm	0.0094 ppm	0.0036 ppm	-0.0005 ppm	0.0010 ppm	-0.0002 ppm
Concentration RSD	76.5 %	0.5 %	2.8 %	2.3 %	14.8 %	191.2 %	769.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0049 ppm	99.5384 %	99.9554 %	96.8472 %	98.3312 %	99.5456 %	95.2739 %
Concentration per Run	0.0048 ppm	99.6995 %	100.6021 %	98.0825 %	98.5665 %	100.9878 %	96.6455 %
Concentration per Run	0.0052 ppm	99.6596 %	99.4424 %	97.2260 %	97.9770 %	99.0378 %	95.5308 %
Concentration per Run	0.0048 ppm	99.2561 %	99.8215 %	95.2332 %	98.4500 %	98.6113 %	93.6455 %
Concentration RSD	4.6 %	0.2 %	0.6 %	1.5 %	0.3 %	1.3 %	1.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554258-06 WG2114010

Analysis started at: 9/12/2025 7:50:12 PM

Comment

Rack Number 2

Vial Numbers 53

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0093 ppm	0.0051 ppm	-0.0007 ppm	0.0041 ppm	0.0030 ppm	0.0000 ppm	1.0860 ppm
Concentration per Run	0.0097 ppm	0.0001 ppm	0.0010 ppm	0.0050 ppm	0.0030 ppm	0.0000 ppm	1.0826 ppm
Concentration per Run	0.0091 ppm	0.0067 ppm	0.0005 ppm	0.0033 ppm	0.0030 ppm	-0.0001 ppm	1.0949 ppm
Concentration per Run	0.0091 ppm	0.0084 ppm	-0.0036 ppm	0.0038 ppm	0.0029 ppm	0.0000 ppm	1.0805 ppm
Concentration RSD	4.0 %	85.8 %	360.2 %	21.7 %	1.8 %	62.9 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0077 ppm	0.0014 ppm	13.1230 ppm	-0.0035 ppm
Concentration per Run	-0.0001 ppm	0.0010 ppm	0.0004 ppm	0.0077 ppm	0.0015 ppm	13.0376 ppm	-0.0032 ppm
Concentration per Run	-0.0001 ppm	-0.0002 ppm	0.0007 ppm	0.0077 ppm	0.0006 ppm	13.1981 ppm	-0.0043 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0075 ppm	0.0020 ppm	13.1334 ppm	-0.0030 ppm
Concentration RSD	36.9 %	155.4 %	217.9 %	1.4 %	54.4 %	0.6 %	20.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2591 ppm	0.0000 ppm	-0.0001 ppm	54.4360 ppm	0.0125 ppm	-0.0004 ppm	0.0046 ppm
Concentration per Run	0.2642 ppm	0.0001 ppm	-0.0001 ppm	53.7396 ppm	0.0128 ppm	-0.0011 ppm	0.0051 ppm
Concentration per Run	0.2556 ppm	-0.0001 ppm	-0.0001 ppm	54.7197 ppm	0.0123 ppm	-0.0003 ppm	0.0055 ppm
Concentration per Run	0.2574 ppm	0.0000 ppm	-0.0002 ppm	54.8487 ppm	0.0125 ppm	0.0001 ppm	0.0031 ppm
Concentration RSD	1.8 %	832.4 %	66.0 %	1.1 %	1.7 %	149.0 %	29.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	0.6233 ppm	0.0068 ppm	0.0087 ppm	-0.0010 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0055 ppm	0.6279 ppm	0.0059 ppm	0.0088 ppm	-0.0012 ppm	0.0013 ppm	-0.0002 ppm
Concentration per Run	-0.0012 ppm	0.6186 ppm	0.0070 ppm	0.0087 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	-0.0017 ppm	0.6233 ppm	0.0076 ppm	0.0087 ppm	-0.0008 ppm	0.0006 ppm	-0.0004 ppm
Concentration RSD	446.7 %	0.8 %	12.9 %	0.6 %	21.9 %	88.5 %	70.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0023 ppm	98.6232 %	101.2216 %	96.0439 %	97.3315 %	100.0049 %	95.2874 %
Concentration per Run	0.0026 ppm	97.7452 %	101.7127 %	98.2609 %	96.4332 %	99.5031 %	97.4766 %
Concentration per Run	0.0021 ppm	99.6321 %	101.0550 %	95.9567 %	98.5554 %	99.5165 %	95.3416 %
Concentration per Run	0.0023 ppm	98.4923 %	100.8971 %	93.9142 %	97.0059 %	100.9952 %	93.0439 %
Concentration RSD	9.9 %	1.0 %	0.4 %	2.3 %	1.1 %	0.9 %	2.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: zL2554258-06 WG2114010

Analysis started at: 9/12/2025 7:52:18 PM

Comment

Rack Number 2

Vial Numbers 54

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0041 ppm	-0.0002 ppm	0.0000 ppm	0.0023 ppm	0.0010 ppm	-0.0001 ppm	0.4530 ppm
Concentration per Run	0.0041 ppm	0.0006 ppm	-0.0022 ppm	0.0034 ppm	0.0011 ppm	-0.0001 ppm	0.4521 ppm
Concentration per Run	0.0039 ppm	-0.0059 ppm	0.0030 ppm	0.0017 ppm	0.0010 ppm	0.0000 ppm	0.4622 ppm
Concentration per Run	0.0042 ppm	0.0047 ppm	-0.0010 ppm	0.0018 ppm	0.0010 ppm	-0.0001 ppm	0.4447 ppm
Concentration RSD	3.2 %	3.186.2 %	5.872.1 %	41.0 %	6.6 %	42.4 %	1.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0007 ppm	0.0001 ppm	0.0035 ppm	0.0007 ppm	5.4386 ppm	-0.0035 ppm
Concentration per Run	-0.0001 ppm	0.0011 ppm	0.0005 ppm	0.0035 ppm	0.0003 ppm	5.4028 ppm	-0.0035 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0033 ppm	0.0009 ppm	5.5591 ppm	-0.0026 ppm
Concentration per Run	0.0001 ppm	0.0011 ppm	-0.0002 ppm	0.0036 ppm	0.0009 ppm	5.3539 ppm	-0.0043 ppm
Concentration RSD	379.2 %	81.5 %	251.9 %	4.5 %	51.1 %	2.0 %	23.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1082 ppm	0.0000 ppm	-0.0005 ppm	22.9936 ppm	0.0053 ppm	-0.0003 ppm	0.0044 ppm
Concentration per Run	0.1081 ppm	-0.0001 ppm	-0.0009 ppm	22.7434 ppm	0.0050 ppm	0.0003 ppm	0.0028 ppm
Concentration per Run	0.1063 ppm	0.0001 ppm	-0.0005 ppm	23.7354 ppm	0.0059 ppm	-0.0018 ppm	0.0078 ppm
Concentration per Run	0.1102 ppm	0.0001 ppm	0.0000 ppm	22.5021 ppm	0.0050 ppm	0.0004 ppm	0.0025 ppm
Concentration RSD	1.8 %	725.1 %	104.0 %	2.8 %	10.1 %	351.3 %	68.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0023 ppm	0.2610 ppm	0.0021 ppm	0.0036 ppm	-0.0008 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	0.0014 ppm	0.2573 ppm	0.0023 ppm	0.0036 ppm	-0.0011 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run	0.0012 ppm	0.2630 ppm	0.0020 ppm	0.0038 ppm	-0.0007 ppm	0.0013 ppm	0.0004 ppm
Concentration per Run	0.0043 ppm	0.2627 ppm	0.0021 ppm	0.0034 ppm	-0.0007 ppm	0.0005 ppm	-0.0003 ppm
Concentration RSD	76.6 %	1.2 %	5.9 %	5.1 %	29.4 %	52.1 %	460.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0008 ppm	96.9646 %	97.1366 %	94.4454 %	95.7615 %	96.4459 %	92.9395 %
Concentration per Run	0.0009 ppm	97.3748 %	98.5086 %	95.3911 %	96.7346 %	97.7913 %	93.8155 %
Concentration per Run	0.0007 ppm	96.6787 %	93.8436 %	94.6623 %	94.6723 %	95.2466 %	92.3737 %
Concentration per Run	0.0008 ppm	96.8403 %	98.2388 %	94.1015 %	95.8775 %	96.2999 %	92.6294 %
Concentration RSD	11.4 %	0.4 %	2.2 %	0.9 %	1.1 %	1.3 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: XL2554258-07 WG2114010

Analysis started at: 9/12/2025 7:54:25 PM

Comment

Prep 10x

Rack Number 2

Vial Numbers 55

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.1052 ppm	0.0042 ppm	-0.0007 ppm	0.0030 ppm	0.0035 ppm	0.0000 ppm	1.1902 ppm
Concentration per Run	0.1044 ppm	0.0093 ppm	-0.0003 ppm	0.0040 ppm	0.0036 ppm	0.0000 ppm	1.1898 ppm
Concentration per Run	0.1066 ppm	-0.0050 ppm	-0.0022 ppm	0.0031 ppm	0.0036 ppm	0.0000 ppm	1.1925 ppm
Concentration per Run	0.1045 ppm	0.0084 ppm	0.0002 ppm	0.0019 ppm	0.0034 ppm	0.0000 ppm	1.1882 ppm
Concentration RSD	1.2 %	189.9 %	170.1 %	34.4 %	2.4 %	59.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0006 ppm	0.1471 ppm	0.0153 ppm	11.8985 ppm	-0.0031 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0005 ppm	0.1460 ppm	0.0156 ppm	11.9117 ppm	-0.0047 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	0.0006 ppm	0.1487 ppm	0.0144 ppm	11.9446 ppm	-0.0033 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.1466 ppm	0.0160 ppm	11.8394 ppm	-0.0014 ppm
Concentration RSD	123.2 %	90.3 %	20.2 %	1.0 %	5.6 %	0.5 %	53.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2805 ppm	0.0011 ppm	-0.0005 ppm	43.7251 ppm	0.0124 ppm	0.0041 ppm	0.0027 ppm
Concentration per Run	0.2819 ppm	0.0009 ppm	-0.0005 ppm	43.8157 ppm	0.0118 ppm	0.0035 ppm	0.0022 ppm
Concentration per Run	0.2830 ppm	0.0012 ppm	-0.0006 ppm	43.9761 ppm	0.0131 ppm	0.0044 ppm	0.0013 ppm
Concentration per Run	0.2765 ppm	0.0013 ppm	-0.0005 ppm	43.3835 ppm	0.0123 ppm	0.0043 ppm	0.0045 ppm
Concentration RSD	1.2 %	17.7 %	17.0 %	0.7 %	5.0 %	11.7 %	60.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0034 ppm	0.7280 ppm	0.0466 ppm	0.0094 ppm	-0.0004 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0045 ppm	0.7183 ppm	0.0488 ppm	0.0093 ppm	-0.0006 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	0.7364 ppm	0.0467 ppm	0.0095 ppm	-0.0001 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0036 ppm	0.7293 ppm	0.0463 ppm	0.0094 ppm	-0.0004 ppm	0.0006 ppm	0.0001 ppm
Concentration RSD	38.6 %	1.3 %	0.7 %	0.7 %	60.2 %	341.6 %	212.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0183 ppm	96.9356 %	99.0826 %	94.5053 %	95.2724 %	98.4133 %	93.4569 %
Concentration per Run	0.0187 ppm	97.5981 %	98.5246 %	93.3309 %	96.5938 %	98.9983 %	92.0661 %
Concentration per Run	0.0191 ppm	96.1489 %	99.7338 %	94.9292 %	93.9316 %	97.5257 %	93.9621 %
Concentration per Run	0.0188 ppm	97.0597 %	99.9895 %	95.2557 %	95.2919 %	98.7159 %	94.3425 %
Concentration RSD	1.1 %	0.8 %	0.8 %	1.1 %	1.4 %	0.8 %	1.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: XL2554258-07.WG2114010

Analysis started at: 9/12/2025 7:56:31 PM

Comment

Prep 25x

Rack Number 2

Vial Numbers

56

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.1116 ppm	0.0030 ppm	-0.0016 ppm	0.0009 ppm	0.0013 ppm	-0.0001 ppm	0.4529 ppm
Concentration per Run	0.1116 ppm	0.0010 ppm	-0.0024 ppm	-0.0002 ppm	0.0012 ppm	-0.0001 ppm	0.4482 ppm
Concentration per Run	0.1125 ppm	-0.0004 ppm	-0.0014 ppm	0.0015 ppm	0.0013 ppm	0.0000 ppm	0.4524 ppm
Concentration per Run	0.1108 ppm	0.0083 ppm	-0.0009 ppm	0.0013 ppm	0.0013 ppm	-0.0001 ppm	0.4582 ppm
Concentration RSD	0.8 %	157.5 %	49.7 %	103.3 %	5.5 %	86.9 %	1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0007 ppm	0.0006 ppm	0.0574 ppm	0.0062 ppm	4.6094 ppm	-0.0032 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	0.0008 ppm	0.0570 ppm	0.0058 ppm	4.6136 ppm	-0.0037 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0579 ppm	0.0067 ppm	4.5667 ppm	-0.0053 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0571 ppm	0.0059 ppm	4.6479 ppm	-0.0005 ppm
Concentration RSD	22.4 %	11.6 %	39.4 %	0.9 %	8.0 %	0.9 %	76.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1114 ppm	0.0003 ppm	-0.0005 ppm	16.9574 ppm	0.0052 ppm	0.0022 ppm	0.0041 ppm
Concentration per Run	0.1114 ppm	0.0002 ppm	-0.0002 ppm	16.8733 ppm	0.0054 ppm	0.0025 ppm	0.0012 ppm
Concentration per Run	0.1126 ppm	0.0002 ppm	-0.0008 ppm	16.8912 ppm	0.0048 ppm	0.0023 ppm	0.0041 ppm
Concentration per Run	0.1101 ppm	0.0005 ppm	-0.0005 ppm	17.1076 ppm	0.0055 ppm	0.0018 ppm	0.0069 ppm
Concentration RSD	1.1 %	62.7 %	55.0 %	0.8 %	6.7 %	15.0 %	70.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	0.2885 ppm	0.0178 ppm	0.0036 ppm	-0.0009 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run	0.0019 ppm	0.2862 ppm	0.0176 ppm	0.0036 ppm	-0.0007 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run	0.0015 ppm	0.2918 ppm	0.0178 ppm	0.0035 ppm	-0.0012 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	0.0023 ppm	0.2876 ppm	0.0180 ppm	0.0038 ppm	-0.0009 ppm	0.0011 ppm	0.0003 ppm
Concentration RSD	22.8 %	1.0 %	1.2 %	3.6 %	27.6 %	226.2 %	132.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0067 ppm	98.0125 %	100.9153 %	96.0973 %	96.7134 %	100.2045 %	94.4633 %
Concentration per Run	0.0065 ppm	97.9234 %	101.5833 %	95.6432 %	97.0888 %	101.8074 %	94.1027 %
Concentration per Run	0.0068 ppm	96.7406 %	100.7213 %	95.2178 %	95.3251 %	99.8798 %	93.6859 %
Concentration per Run	0.0067 ppm	99.3735 %	100.4412 %	97.4309 %	97.7264 %	98.9264 %	95.6014 %
Concentration RSD	2.0 %	1.3 %	0.6 %	1.2 %	1.3 %	1.5 %	1.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554258-08 WG2114010

Analysis started at: 9/12/2025 7:58:37 PM

Comment

Rack Number 2

Vial Numbers 57

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0079 ppm	0.0093 ppm	0.0002 ppm	0.0035 ppm	0.0033 ppm	0.0000 ppm	1.1215 ppm
Concentration per Run	0.0079 ppm	0.0078 ppm	0.0027 ppm	0.0078 ppm	0.0032 ppm	0.0000 ppm	1.1168 ppm
Concentration per Run	0.0081 ppm	0.0032 ppm	-0.0013 ppm	0.0027 ppm	0.0034 ppm	-0.0001 ppm	1.1242 ppm
Concentration per Run	0.0076 ppm	0.0170 ppm	-0.0009 ppm	0.0045 ppm	0.0032 ppm	0.0000 ppm	1.1234 ppm
Concentration RSD	3.5 %	75.6 %	1.193.1 %	27.3 %	2.3 %	74.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0062 ppm	0.0033 ppm	11.7279 ppm	-0.0029 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0065 ppm	0.0045 ppm	11.7081 ppm	-0.0039 ppm
Concentration per Run	-0.0002 ppm	-0.0001 ppm	-0.0002 ppm	0.0063 ppm	0.0022 ppm	11.7148 ppm	-0.0035 ppm
Concentration per Run	0.0000 ppm	0.0010 ppm	0.0000 ppm	0.0059 ppm	0.0033 ppm	11.7607 ppm	-0.0013 ppm
Concentration RSD	54.4 %	147.2 %	966.9 %	5.4 %	33.3 %	0.2 %	46.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2716 ppm	0.0002 ppm	-0.0003 ppm	44.5338 ppm	0.0103 ppm	0.0000 ppm	0.0059 ppm
Concentration per Run	0.2746 ppm	0.0004 ppm	-0.0008 ppm	44.4822 ppm	0.0106 ppm	0.0009 ppm	0.0063 ppm
Concentration per Run	0.2711 ppm	0.0001 ppm	-0.0004 ppm	44.0419 ppm	0.0100 ppm	0.0007 ppm	0.0083 ppm
Concentration per Run	0.2692 ppm	0.0003 ppm	0.0002 ppm	45.0775 ppm	0.0103 ppm	-0.0015 ppm	0.0032 ppm
Concentration RSD	1.0 %	45.4 %	149.6 %	1.2 %	2.7 %	17.150.1 %	43.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	0.6551 ppm	0.0052 ppm	0.0090 ppm	-0.0006 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0011 ppm	0.6538 ppm	0.0045 ppm	0.0090 ppm	-0.0004 ppm	0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0033 ppm	0.6577 ppm	0.0060 ppm	0.0090 ppm	-0.0008 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run	0.0019 ppm	0.6537 ppm	0.0051 ppm	0.0090 ppm	-0.0005 ppm	0.0021 ppm	0.0000 ppm
Concentration RSD	51.8 %	0.4 %	15.1 %	0.3 %	37.5 %	123.4 %	954.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0040 ppm	99.0613 %	99.6419 %	96.2744 %	97.6222 %	99.9298 %	95.3465 %
Concentration per Run	0.0042 ppm	98.6682 %	99.9925 %	95.5706 %	97.1606 %	100.5399 %	94.5087 %
Concentration per Run	0.0037 ppm	99.0362 %	100.3936 %	95.8872 %	97.9719 %	98.8387 %	94.8404 %
Concentration per Run	0.0042 ppm	99.4797 %	98.5394 %	97.3654 %	97.7341 %	100.4108 %	96.6903 %
Concentration RSD	7.3 %	0.4 %	1.0 %	1.0 %	0.4 %	0.9 %	1.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCV

Sample: 9/12/2025 8:01:35 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5212 ppm	0.5030 ppm	0.4910 ppm	0.4837 ppm	0.5065 ppm	0.5164 ppm	0.5030 ppm
Concentration per Run	0.5216 ppm	0.5216 ppm	0.4904 ppm	0.4823 ppm	0.5129 ppm	0.5247 ppm	0.5096 ppm
Concentration per Run	0.5170 ppm	0.4921 ppm	0.4938 ppm	0.4776 ppm	0.4965 ppm	0.5069 ppm	0.4907 ppm
Concentration per Run	0.5250 ppm	0.5046 ppm	0.4888 ppm	0.4913 ppm	0.5102 ppm	0.5175 ppm	0.5086 ppm
Recovery Percentage	104.237 %	100.609 %	98.202 %	96.747 %	101.309 %	103.277 %	100.591 %
Concentration RSD	0.8 %	2.0 %	0.5 %	1.4 %	1.7 %	1.7 %	2.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5199 ppm	0.5274 ppm	0.5250 ppm	0.5405 ppm	0.5159 ppm	5.3281 ppm	0.5161 ppm
Concentration per Run	0.5198 ppm	0.5316 ppm	0.5253 ppm	0.5409 ppm	0.5247 ppm	5.3733 ppm	0.5287 ppm
Concentration per Run	0.5142 ppm	0.5186 ppm	0.5183 ppm	0.5358 ppm	0.5070 ppm	5.2395 ppm	0.5083 ppm
Concentration per Run	0.5255 ppm	0.5320 ppm	0.5315 ppm	0.5448 ppm	0.5160 ppm	5.3716 ppm	0.5112 ppm
Recovery Percentage	103.975 %	105.478 %	105.003 %	108.103 %	103.178 %	106.563 %	103.214 %
Concentration RSD	1.1 %	1.4 %	1.3 %	0.8 %	1.7 %	1.4 %	2.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5354 ppm	0.5116 ppm	0.4977 ppm	10.5529 ppm	0.5293 ppm	0.5261 ppm	0.5237 ppm
Concentration per Run	0.5332 ppm	0.5177 ppm	0.4990 ppm	10.6440 ppm	0.5292 ppm	0.5284 ppm	0.5238 ppm
Concentration per Run	0.5316 ppm	0.5006 ppm	0.4923 ppm	10.3420 ppm	0.5246 ppm	0.5277 ppm	0.5191 ppm
Concentration per Run	0.5413 ppm	0.5166 ppm	0.5017 ppm	10.6727 ppm	0.5342 ppm	0.5223 ppm	0.5281 ppm
Recovery Percentage	107.076 %	102.329 %	99.536 %	105.529 %	105.865 %	105.224 %	104.733 %
Concentration RSD	1.0 %	1.9 %	1.0 %	1.7 %	0.9 %	0.6 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4862 ppm	5.5392 ppm	0.4979 ppm	0.5108 ppm	0.5208 ppm	0.4930 ppm	0.5331 ppm
Concentration per Run	0.4882 ppm	5.5328 ppm	0.4967 ppm	0.5190 ppm	0.5202 ppm	0.4951 ppm	0.5350 ppm
Concentration per Run	0.4863 ppm	5.4980 ppm	0.4929 ppm	0.5009 ppm	0.5171 ppm	0.4941 ppm	0.5264 ppm
Concentration per Run	0.4840 ppm	5.5869 ppm	0.5040 ppm	0.5126 ppm	0.5252 ppm	0.4898 ppm	0.5378 ppm
Recovery Percentage	97.236 %	105.509 %	99.578 %	102.168 %	104.169 %	98.602 %	106.614 %
Concentration RSD	0.4 %	0.8 %	1.1 %	1.8 %	0.8 %	0.6 %	1.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4945 ppm	97.6106 %	99.8816 %	96.4036 %	96.3447 %	98.5901 %	95.4824 %
Concentration per Run	0.4971 ppm	98.0374 %	99.3746 %	95.4883 %	96.4233 %	97.0491 %	94.7059 %
Concentration per Run	0.4873 ppm	99.0059 %	101.2938 %	96.2662 %	97.7462 %	99.4231 %	95.2515 %
Concentration per Run	0.4991 ppm	95.7886 %	98.9765 %	97.4562 %	94.8648 %	99.2981 %	96.4899 %
Recovery Percentage	98.896 %						
Concentration RSD	1.3 %	1.7 %	1.2 %	1.0 %	1.5 %	1.4 %	1.0 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCB

Sample: 9/12/2025 8:03:41 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	0.0074 ppm	-0.0015 ppm	0.0008 ppm	0.0001 ppm	0.0003 ppm	-0.0053 ppm
Concentration per Run	-0.0001 ppm	0.0206 ppm	-0.0009 ppm	0.0014 ppm	-0.0001 ppm	0.0001 ppm	-0.0039 ppm
Concentration per Run	0.0008 ppm	-0.0016 ppm	-0.0024 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0064 ppm
Concentration per Run	0.0007 ppm	0.0033 ppm	-0.0012 ppm	0.0007 ppm	0.0003 ppm	0.0005 ppm	-0.0057 ppm
Recovery Percentage	6.592 %	7.432 %	-29.544 %	2.533 %	1.054 %	6.694 %	-5.320 %
Concentration RSD	98.7 %	156.5 %	53.8 %	78.7 %	181.6 %	73.0 %	23.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0007 ppm	0.0007 ppm	-0.0002 ppm	-0.0004 ppm	0.0495 ppm	-0.0037 ppm
Concentration per Run	0.0002 ppm	0.0010 ppm	0.0006 ppm	0.0000 ppm	0.0003 ppm	0.0500 ppm	-0.0062 ppm
Concentration per Run	0.0000 ppm	0.0006 ppm	0.0009 ppm	-0.0003 ppm	-0.0004 ppm	0.0524 ppm	-0.0034 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0004 ppm	-0.0002 ppm	-0.0012 ppm	0.0459 ppm	-0.0015 ppm
Recovery Percentage	1.355 %	3.479 %	6.574 %	-1.641 %	-0.884 %	1.978 %	-74.575 %
Concentration RSD	161.2 %	42.4 %	33.7 %	95.1 %	175.4 %	6.6 %	63.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0034 ppm	0.0002 ppm	0.0001 ppm	0.0014 ppm	0.0004 ppm	0.0000 ppm	0.0055 ppm
Concentration per Run	-0.0032 ppm	-0.0001 ppm	-0.0001 ppm	0.0021 ppm	0.0004 ppm	0.0002 ppm	0.0054 ppm
Concentration per Run	-0.0040 ppm	0.0003 ppm	-0.0002 ppm	0.0029 ppm	0.0001 ppm	-0.0003 ppm	0.0058 ppm
Concentration per Run	-0.0030 ppm	0.0002 ppm	-0.0001 ppm	-0.0009 ppm	0.0008 ppm	0.0000 ppm	0.0057 ppm
Recovery Percentage	-3.411 %	1.632 %	-0.295 %	0.069 %	1.885 %	-0.339 %	11.273 %
Concentration RSD	16.2 %	133.8 %	56.1 %	146.8 %	75.0 %	731.7 %	2.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0024 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0003 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run	0.0034 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0005 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run	0.0007 ppm	0.0023 ppm	-0.0012 ppm	0.0001 ppm	-0.0007 ppm	-0.0015 ppm	0.0000 ppm
Concentration per Run	0.0029 ppm	-0.0020 ppm	0.0009 ppm	0.0004 ppm	-0.0004 ppm	-0.0004 ppm	0.0002 ppm
Recovery Percentage	23.528 %	0.013 %	-0.181 %	2.630 %	-5.432 %	-1.355 %	1.146 %
Concentration RSD	60.1 %	3,180.4 %	1,185.1 %	47.1 %	19.5 %	491.3 %	93.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0001 ppm	96.1730 %	98.0067 %	94.7031 %	97.4281 %	99.0009 %	95.0662 %
Concentration per Run	-0.0003 ppm	95.7977 %	99.2073 %	95.1005 %	97.0373 %	100.9777 %	95.6687 %
Concentration per Run	0.0000 ppm	98.2269 %	94.7928 %	94.1908 %	96.6342 %	98.6753 %	94.3773 %
Concentration per Run	0.0000 ppm	97.9286 %	96.5860 %	94.8360 %	98.6129 %	97.3496 %	95.1525 %
Recovery Percentage	-2.202 %	1.7 %	1.4 %	0.5 %	1.1 %	1.9 %	0.7 %
Concentration RSD	172.9 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: XL2554258-09.WG2114010

Analysis started at: 9/12/2025 8:06:16 PM

Comment

Prep 10x

Rack Number 2

Vial Numbers 59

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4404 ppm	-0.0008 ppm	-0.0006 ppm	0.0029 ppm	0.0032 ppm	-0.0001 ppm	1.1179 ppm
Concentration per Run	0.4320 ppm	0.0013 ppm	-0.0009 ppm	0.0013 ppm	0.0026 ppm	0.0000 ppm	1.1309 ppm
Concentration per Run	0.4429 ppm	0.0021 ppm	-0.0015 ppm	0.0038 ppm	0.0033 ppm	-0.0001 ppm	1.1186 ppm
Concentration per Run	0.4465 ppm	-0.0057 ppm	0.0006 ppm	0.0023 ppm	0.0031 ppm	-0.0001 ppm	1.1041 ppm
Concentration RSD	1.7 %	562.1 %	186.3 %	28.6 %	2.9 %	45.8 %	1.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0856 ppm	0.0093 ppm	11.0462 ppm	-0.0032 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	0.0008 ppm	0.0844 ppm	0.0101 ppm	11.1228 ppm	-0.0037 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0861 ppm	0.0081 ppm	11.0965 ppm	-0.0022 ppm
Concentration per Run	0.0000 ppm	0.0004 ppm	0.0010 ppm	0.0863 ppm	0.0096 ppm	10.9193 ppm	-0.0036 ppm
Concentration RSD	48.960.6 %	118.3 %	42.1 %	1.3 %	11.7 %	1.0 %	26.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2713 ppm	0.0004 ppm	-0.0003 ppm	38.9480 ppm	0.0117 ppm	0.0000 ppm	0.0039 ppm
Concentration per Run	0.2632 ppm	0.0006 ppm	-0.0006 ppm	39.2979 ppm	0.0112 ppm	-0.0001 ppm	0.0043 ppm
Concentration per Run	0.2740 ppm	0.0005 ppm	-0.0006 ppm	39.2924 ppm	0.0124 ppm	0.0000 ppm	0.0049 ppm
Concentration per Run	0.2767 ppm	0.0003 ppm	0.0002 ppm	38.2537 ppm	0.0114 ppm	0.0001 ppm	0.0024 ppm
Concentration RSD	2.6 %	31.9 %	148.7 %	1.5 %	5.6 %	3.405.8 %	33.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0006 ppm	0.6824 ppm	0.0169 ppm	0.0090 ppm	-0.0006 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run	0.0030 ppm	0.6656 ppm	0.0163 ppm	0.0091 ppm	-0.0003 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run	0.0004 ppm	0.6904 ppm	0.0177 ppm	0.0090 ppm	-0.0008 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run	-0.0015 ppm	0.6912 ppm	0.0166 ppm	0.0088 ppm	-0.0007 ppm	0.0016 ppm	0.0001 ppm
Concentration RSD	349.0 %	2.1 %	4.3 %	1.5 %	40.2 %	128.9 %	33.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0090 ppm	99.2387 %	100.7945 %	96.9045 %	97.8805 %	98.7706 %	95.8685 %
Concentration per Run	0.0086 ppm	100.7441 %	100.2149 %	97.4712 %	99.1279 %	97.7743 %	96.6580 %
Concentration per Run	0.0092 ppm	98.6124 %	100.6028 %	96.2737 %	97.7573 %	99.4397 %	95.0476 %
Concentration per Run	0.0093 ppm	98.3596 %	101.5659 %	96.9685 %	96.7562 %	99.0977 %	95.8999 %
Concentration RSD	4.1 %	1.3 %	0.7 %	0.6 %	1.2 %	0.9 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: XL2554258-09.WG2114010

Analysis started at: 9/12/2025 8:08:23 PM

Comment

Prep 25x

Rack Number 2

Vial Numbers

60

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.2498 ppm	0.0009 ppm	-0.0018 ppm	0.0010 ppm	0.0013 ppm	-0.0001 ppm	0.4478 ppm
Concentration per Run	0.2492 ppm	0.0011 ppm	-0.0023 ppm	-0.0007 ppm	0.0013 ppm	-0.0001 ppm	0.4476 ppm
Concentration per Run	0.2512 ppm	0.0065 ppm	-0.0031 ppm	0.0023 ppm	0.0014 ppm	-0.0001 ppm	0.4490 ppm
Concentration per Run	0.2490 ppm	-0.0050 ppm	0.0001 ppm	0.0013 ppm	0.0012 ppm	-0.0001 ppm	0.4468 ppm
Concentration RSD	0.5 %	677.1 %	95.1 %	160.0 %	7.2 %	13.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0007 ppm	0.0001 ppm	0.0346 ppm	0.0027 ppm	4.4407 ppm	-0.0037 ppm
Concentration per Run	0.0000 ppm	0.0007 ppm	-0.0001 ppm	0.0346 ppm	0.0037 ppm	4.4829 ppm	-0.0040 ppm
Concentration per Run	0.0001 ppm	0.0006 ppm	0.0003 ppm	0.0351 ppm	0.0024 ppm	4.3771 ppm	-0.0025 ppm
Concentration per Run	-0.0001 ppm	0.0006 ppm	0.0002 ppm	0.0341 ppm	0.0020 ppm	4.4620 ppm	-0.0045 ppm
Concentration RSD	2491.9 %	7.7 %	213.8 %	1.3 %	32.6 %	1.3 %	28.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1120 ppm	0.0001 ppm	-0.0002 ppm	15.7253 ppm	0.0038 ppm	0.0004 ppm	0.0051 ppm
Concentration per Run	0.1125 ppm	0.0003 ppm	-0.0008 ppm	15.9505 ppm	0.0034 ppm	0.0008 ppm	0.0019 ppm
Concentration per Run	0.1115 ppm	-0.0001 ppm	0.0001 ppm	15.5701 ppm	0.0043 ppm	0.0008 ppm	0.0079 ppm
Concentration per Run	0.1119 ppm	0.0002 ppm	0.0000 ppm	15.6551 ppm	0.0037 ppm	-0.0003 ppm	0.0056 ppm
Concentration RSD	0.5 %	132.9 %	218.1 %	1.3 %	12.8 %	139.2 %	58.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0008 ppm	0.2814 ppm	0.0065 ppm	0.0036 ppm	-0.0009 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0019 ppm	0.2833 ppm	0.0072 ppm	0.0036 ppm	-0.0011 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run	0.0009 ppm	0.2814 ppm	0.0054 ppm	0.0036 ppm	-0.0008 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	-0.0003 ppm	0.2794 ppm	0.0068 ppm	0.0035 ppm	-0.0007 ppm	0.0000 ppm	-0.0001 ppm
Concentration RSD	130.9 %	0.7 %	14.8 %	1.5 %	25.8 %	133.7 %	56.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0039 ppm	99.1123 %	100.2265 %	96.7447 %	97.8428 %	98.2814 %	95.1368 %
Concentration per Run	0.0037 ppm	98.4346 %	99.8305 %	97.2508 %	97.2932 %	99.0446 %	95.7440 %
Concentration per Run	0.0040 ppm	98.7383 %	100.6078 %	97.0172 %	97.5262 %	97.5503 %	95.4106 %
Concentration per Run	0.0041 ppm	100.1638 %	100.2413 %	95.9660 %	98.7089 %	98.2492 %	94.2559 %
Concentration RSD	5.7 %	0.9 %	0.4 %	0.7 %	0.8 %	0.8 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2554258-10 WG2114010

Analysis started at: 9/12/2025 8:10:29 PM

Comment

Prep 10x

Rack Number

3

Vial Numbers

1

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0079 ppm	0.0054 ppm	-0.0013 ppm	0.0039 ppm	0.0032 ppm	-0.0001 ppm	1.1192 ppm
Concentration per Run	0.0074 ppm	0.0030 ppm	-0.0001 ppm	0.0050 ppm	0.0033 ppm	-0.0001 ppm	1.1260 ppm
Concentration per Run	0.0079 ppm	0.0064 ppm	-0.0018 ppm	0.0031 ppm	0.0032 ppm	0.0000 ppm	1.1166 ppm
Concentration per Run	0.0083 ppm	0.0068 ppm	-0.0019 ppm	0.0037 ppm	0.0032 ppm	-0.0001 ppm	1.1152 ppm
Concentration RSD	5.6 %	38.1 %	79.7 %	24.4 %	1.9 %	36.5 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0081 ppm	0.0036 ppm	11.1781 ppm	-0.0039 ppm
Concentration per Run	0.0000 ppm	0.0011 ppm	0.0008 ppm	0.0084 ppm	0.0042 ppm	11.1867 ppm	-0.0051 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0080 ppm	0.0041 ppm	11.2146 ppm	-0.0016 ppm
Concentration per Run	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0080 ppm	0.0024 ppm	11.1330 ppm	-0.0049 ppm
Concentration RSD	183.9 %	145.4 %	145.6 %	2.6 %	28.8 %	0.4 %	50.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.2776 ppm	0.0003 ppm	-0.0004 ppm	40.0098 ppm	0.0109 ppm	-0.0004 ppm	0.0015 ppm
Concentration per Run	0.2821 ppm	0.0004 ppm	-0.0007 ppm	39.5162 ppm	0.0114 ppm	-0.0002 ppm	0.0014 ppm
Concentration per Run	0.2767 ppm	0.0002 ppm	0.0000 ppm	40.6110 ppm	0.0107 ppm	-0.0001 ppm	0.0030 ppm
Concentration per Run	0.2740 ppm	0.0003 ppm	-0.0005 ppm	39.9023 ppm	0.0106 ppm	-0.0009 ppm	0.0002 ppm
Concentration RSD	1.5 %	28.9 %	96.2 %	1.4 %	4.2 %	105.1 %	89.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0005 ppm	0.6998 ppm	0.0055 ppm	0.0090 ppm	-0.0005 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run	-0.0004 ppm	0.7109 ppm	0.0065 ppm	0.0092 ppm	-0.0006 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run	0.0011 ppm	0.6944 ppm	0.0043 ppm	0.0090 ppm	-0.0008 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run	-0.0023 ppm	0.6943 ppm	0.0056 ppm	0.0089 ppm	-0.0004 ppm	0.0012 ppm	-0.0001 ppm
Concentration RSD	316.3 %	1.4 %	20.0 %	1.2 %	22.6 %	144.8 %	798.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0037 ppm	95.6263 %	100.2844 %	96.1727 %	94.2170 %	99.8766 %	95.0439 %
Concentration per Run	0.0037 ppm	94.1728 %	100.9847 %	95.5816 %	92.0202 %	99.2928 %	94.3212 %
Concentration per Run	0.0039 ppm	96.1054 %	97.0204 %	99.1784 %	95.3253 %	100.4728 %	95.7998 %
Concentration per Run	0.0036 ppm	96.6006 %	100.6900 %	95.9161 %	95.3054 %	99.8640 %	95.0106 %
Concentration RSD	3.8 %	1.3 %	1.0 %	0.8 %	2.0 %	0.6 %	0.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCV

Sample: 9/12/2025 8:42:35 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5233 ppm	0.5202 ppm	0.4984 ppm	0.4826 ppm	0.5217 ppm	0.5336 ppm	0.5223 ppm
Concentration per Run	0.5243 ppm	0.5243 ppm	0.5038 ppm	0.5127 ppm	0.5144 ppm	0.5257 ppm	0.5144 ppm
Concentration per Run	0.5207 ppm	0.5219 ppm	0.4962 ppm	0.4822 ppm	0.5332 ppm	0.5332 ppm	0.5188 ppm
Concentration per Run	0.5248 ppm	0.5234 ppm	0.4953 ppm	0.4856 ppm	0.5302 ppm	0.5418 ppm	0.5337 ppm
Recovery Percentage	104.661 %	104.039 %	99.679 %	96.522 %	104.342 %	106.717 %	104.460 %
Concentration RSD	0.4 %	0.8 %	0.9 %	0.6 %	1.7 %	1.5 %	1.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5198 ppm	0.5281 ppm	0.5258 ppm	0.5412 ppm	0.5332 ppm	5.4588 ppm	0.5384 ppm
Concentration per Run	0.5201 ppm	0.5306 ppm	0.5276 ppm	0.5416 ppm	0.5279 ppm	5.3631 ppm	0.5442 ppm
Concentration per Run	0.5196 ppm	0.5289 ppm	0.5288 ppm	0.5415 ppm	0.5294 ppm	5.4433 ppm	0.5391 ppm
Concentration per Run	0.5198 ppm	0.5268 ppm	0.5242 ppm	0.5405 ppm	0.5423 ppm	5.5700 ppm	0.5319 ppm
Recovery Percentage	103.962 %	105.617 %	105.168 %	108.233 %	106.634 %	109.176 %	107.679 %
Concentration RSD	0.1 %	0.4 %	0.3 %	0.1 %	1.5 %	1.9 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5354 ppm	0.5288 ppm	0.4980 ppm	10.9219 ppm	0.5307 ppm	0.5343 ppm	0.5271 ppm
Concentration per Run	0.5380 ppm	0.5183 ppm	0.5000 ppm	10.6785 ppm	0.5323 ppm	0.5427 ppm	0.5286 ppm
Concentration per Run	0.5300 ppm	0.5253 ppm	0.4989 ppm	10.9400 ppm	0.5301 ppm	0.5317 ppm	0.5233 ppm
Concentration per Run	0.5382 ppm	0.5367 ppm	0.4982 ppm	11.1472 ppm	0.5297 ppm	0.5285 ppm	0.5293 ppm
Recovery Percentage	107.080 %	105.352 %	99.802 %	109.219 %	106.138 %	106.861 %	105.413 %
Concentration RSD	0.9 %	1.8 %	0.2 %	2.2 %	0.3 %	1.4 %	0.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.4947 ppm	5.5564 ppm	0.4992 ppm	0.5295 ppm	0.5231 ppm	0.4989 ppm	0.5341 ppm
Concentration per Run	0.5033 ppm	5.5514 ppm	0.5025 ppm	0.5218 ppm	0.5238 ppm	0.5075 ppm	0.5360 ppm
Concentration per Run	0.4925 ppm	5.5513 ppm	0.4989 ppm	0.5301 ppm	0.5205 ppm	0.4966 ppm	0.5334 ppm
Concentration per Run	0.4882 ppm	5.5665 ppm	0.4962 ppm	0.5365 ppm	0.5250 ppm	0.4927 ppm	0.5330 ppm
Recovery Percentage	98.930 %	105.837 %	99.848 %	105.900 %	104.624 %	99.787 %	106.829 %
Concentration RSD	1.6 %	0.2 %	0.6 %	1.4 %	0.4 %	1.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4947 ppm	97.5304 %	97.0321 %	94.9199 %	96.4021 %	95.2493 %	94.0446 %
Concentration per Run	0.4963 ppm	97.2917 %	98.4918 %	93.8948 %	96.2627 %	95.2851 %	93.1494 %
Concentration per Run	0.4940 ppm	97.4311 %	96.9189 %	94.7331 %	96.2954 %	95.6404 %	93.5627 %
Concentration per Run	0.4938 ppm	97.8683 %	95.6857 %	96.1318 %	96.6481 %	94.8225 %	95.4217 %
Recovery Percentage	98.942 %						
Concentration RSD	0.3 %	0.3 %	1.4 %	1.2 %	0.2 %	0.4 %	1.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 8:44:48 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0006 ppm	0.0002 ppm	-0.0014 ppm	0.0008 ppm	0.0001 ppm	0.0003 ppm	-0.0036 ppm
Concentration per Run	0.0001 ppm	-0.0005 ppm	-0.0017 ppm	-0.0005 ppm	0.0001 ppm	-0.0018 ppm	-0.0018 ppm
Concentration per Run	0.0010 ppm	0.0041 ppm	-0.0033 ppm	0.0013 ppm	0.0000 ppm	0.0003 ppm	-0.0057 ppm
Concentration per Run	0.0005 ppm	-0.0029 ppm	0.0007 ppm	0.0023 ppm	0.0003 ppm	0.0004 ppm	-0.0032 ppm
Recovery Percentage	8.076 %	0.236 %	-28.470 %	2.814 %	1.243 %	7.034 %	-3.586 %
Concentration RSD	80.4 %	1.507.6 %	143.9 %	199.5 %	128.6 %	56.6 %	55.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0004 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0274 ppm	-0.0008 ppm
Concentration per Run	0.0003 ppm	0.0003 ppm	0.0005 ppm	0.0003 ppm	0.0009 ppm	0.0340 ppm	-0.0007 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0012 ppm	0.0005 ppm	-0.0007 ppm	0.0437 ppm	-0.0023 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0006 ppm	-0.0001 ppm	0.0003 ppm	0.0046 ppm	0.0006 ppm
Recovery Percentage	3.415 %	1.957 %	7.779 %	2.488 %	-0.011 %	1.098 %	-15.819 %
Concentration RSD	57.3 %	19.0 %	49.5 %	129.9 %	14.912.0 %	74.2 %	183.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0011 ppm	0.0002 ppm	0.0002 ppm	-0.0040 ppm	0.0003 ppm	0.0000 ppm	0.0042 ppm
Concentration per Run	0.0005 ppm	0.0002 ppm	0.0008 ppm	-0.0022 ppm	0.0002 ppm	-0.0001 ppm	0.0039 ppm
Concentration per Run	-0.0053 ppm	-0.0001 ppm	-0.0001 ppm	-0.0015 ppm	-0.0004 ppm	0.0029 ppm	0.0029 ppm
Concentration per Run	0.0014 ppm	0.0005 ppm	-0.0002 ppm	-0.0082 ppm	0.0012 ppm	-0.0001 ppm	0.0056 ppm
Recovery Percentage	-1.136 %	1.950 %	0.303 %	-0.198 %	1.362 %	-0.284 %	8.328 %
Concentration RSD	319.2 %	155.1 %	373.2 %	93.8 %	237.1 %	254.2 %	32.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0032 ppm	-0.0005 ppm	0.0000 ppm	0.0002 ppm	-0.0006 ppm	0.0007 ppm	0.0003 ppm
Concentration per Run	0.0019 ppm	-0.0014 ppm	0.0000 ppm	0.0001 ppm	-0.0009 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run	0.0066 ppm	0.0011 ppm	0.0007 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run	0.0013 ppm	-0.0013 ppm	-0.0007 ppm	0.0004 ppm	-0.0008 ppm	0.0010 ppm	0.0000 ppm
Recovery Percentage	32.430 %	-0.106 %	-0.035 %	2.498 %	-6.286 %	3.536 %	2.698 %
Concentration RSD	89.6 %	267.2 %	4,196.8 %	52.5 %	55.2 %	71.7 %	83.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0002 ppm	91.8763 %	93.2890 %	92.1060 %	92.6273 %	94.3325 %	92.5472 %
Concentration per Run	-0.0002 ppm	89.2220 %	95.2183 %	91.3227 %	89.5772 %	96.2157 %	91.7414 %
Concentration per Run	-0.0003 ppm	93.0558 %	92.4444 %	91.6468 %	93.9859 %	94.0375 %	92.0578 %
Concentration per Run	-0.0002 ppm	93.3512 %	92.2045 %	93.3486 %	94.3188 %	92.6844 %	93.8424 %
Recovery Percentage	-4.369 %	2.5 %	1.8 %	1.2 %	2.9 %	1.9 %	1.2 %
Concentration RSD	30.1 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-01 WG2110450

Analysis started at: 9/12/2025 8:52:25 PM

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Rack Number 3

Vial Numbers 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	0.0063 ppm	0.0385 ppm	0.0723 ppm	0.1160 ppm	-0.0001 ppm	140.0012 ppm
Concentration per Run	0.0003 ppm	0.0081 ppm	0.0386 ppm	0.0723 ppm	0.1168 ppm	0.0000 ppm	140.4126 ppm
Concentration per Run	0.0001 ppm	0.0088 ppm	0.0376 ppm	0.0736 ppm	0.1149 ppm	-0.0001 ppm	139.5913 ppm
Concentration per Run	0.0007 ppm	0.0020 ppm	0.0392 ppm	0.0712 ppm	0.1162 ppm	-0.0001 ppm	139.9998 ppm
Concentration RSD	83.6 %	59.9 %	2.1 %	1.7 %	0.9 %	9.7 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0015 ppm	0.0018 ppm	0.0001 ppm	0.0005 ppm	26.0809 ppm	8.2555 ppm	-0.0050 ppm
Concentration per Run	-0.0016 ppm	0.0013 ppm	0.0005 ppm	0.0007 ppm	26.2284 ppm	8.3011 ppm	-0.0013 ppm
Concentration per Run	-0.0016 ppm	0.0020 ppm	0.0001 ppm	0.0002 ppm	25.9046 ppm	8.1630 ppm	-0.0084 ppm
Concentration per Run	-0.0014 ppm	0.0021 ppm	-0.0003 ppm	0.0007 ppm	26.1097 ppm	8.3023 ppm	-0.0052 ppm
Concentration RSD	6.9 %	24.2 %	495.5 %	56.1 %	0.6 %	1.0 %	71.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	42.6490 ppm	3.3817 ppm	0.0065 ppm	43.0281 ppm	0.0054 ppm	0.0007 ppm	0.0019 ppm
Concentration per Run	42.3840 ppm	3.3964 ppm	0.0065 ppm	43.2034 ppm	0.0053 ppm	-0.0001 ppm	0.0028 ppm
Concentration per Run	43.6354 ppm	3.3744 ppm	0.0086 ppm	42.9079 ppm	0.0053 ppm	0.0018 ppm	0.0040 ppm
Concentration per Run	41.9277 ppm	3.3743 ppm	0.0065 ppm	42.9729 ppm	0.0056 ppm	0.0005 ppm	-0.0010 ppm
Concentration RSD	2.1 %	0.4 %	1.0 %	0.4 %	3.2 %	125.4 %	135.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0009 ppm	15.3855 ppm	-0.0009 ppm	0.8753 ppm	0.0009 ppm	0.0014 ppm	-0.0002 ppm
Concentration per Run	0.0041 ppm	15.2988 ppm	-0.0008 ppm	0.8826 ppm	0.0010 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run	-0.0011 ppm	15.6370 ppm	-0.0008 ppm	0.8685 ppm	0.0015 ppm	0.0012 ppm	-0.0002 ppm
Concentration per Run	-0.0003 ppm	15.2207 ppm	-0.0012 ppm	0.8749 ppm	0.0006 ppm	0.0017 ppm	-0.0004 ppm
Concentration RSD	314.1 %	1.4 %	25.1 %	0.8 %	32.1 %	26.2 %	108.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0010 ppm	94.2820 ppm	94.6648 ppm	87.5483 ppm	92.9997 ppm	94.1980 ppm	90.0422 ppm
Concentration per Run	0.0013 ppm	94.7335 ppm	95.2193 ppm	87.3079 ppm	93.5591 ppm	95.0956 ppm	89.9171 ppm
Concentration per Run	0.0006 ppm	92.5460 ppm	87.5286 ppm	87.5286 ppm	91.3923 ppm	93.4597 ppm	89.8597 ppm
Concentration per Run	0.0010 ppm	95.5666 ppm	94.3060 ppm	87.8082 ppm	94.0476 ppm	94.0385 ppm	90.3496 ppm
Concentration RSD	34.0 %	1.7 %	0.5 %	0.3 %	1.5 %	0.9 %	0.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-02 WG2110450

Analysis started at: 9/12/2025 8:54:42 PM

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Rack Number: 3

Vial Numbers: 5

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.6599 ppm	0.0007 ppm	0.2198 ppm	0.0765 ppm	0.0000 ppm	97.6282 ppm
Concentration per Run	0.0005 ppm	0.6704 ppm	0.0010 ppm	0.2211 ppm	0.0772 ppm	-0.0001 ppm	97.9257 ppm
Concentration per Run	0.0001 ppm	0.6630 ppm	0.0019 ppm	0.2209 ppm	0.0774 ppm	0.0000 ppm	98.9019 ppm
Concentration per Run	0.0001 ppm	0.6463 ppm	-0.0009 ppm	0.2173 ppm	0.0749 ppm	0.0000 ppm	96.0572 ppm
Concentration RSD	98.0 %	1.9 %	218.6 %	1.0 %	1.8 %	131.2 %	1.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0010 ppm	0.0011 ppm	0.0013 ppm	0.0028 ppm	1.0890 ppm	5.6103 ppm	-0.0070 ppm
Concentration per Run	-0.0011 ppm	0.0012 ppm	0.0017 ppm	0.0030 ppm	1.0825 ppm	5.6243 ppm	-0.0047 ppm
Concentration per Run	-0.0009 ppm	0.0012 ppm	0.0012 ppm	0.0028 ppm	1.0963 ppm	5.6793 ppm	-0.0081 ppm
Concentration per Run	-0.0010 ppm	0.0010 ppm	0.0011 ppm	0.0027 ppm	1.0883 ppm	5.5274 ppm	-0.0083 ppm
Concentration RSD	9.2 %	10.9 %	25.0 %	6.1 %	0.6 %	1.4 %	28.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	41.1746 ppm	7.7434 ppm	-0.0002 ppm	35.9178 ppm	0.0078 ppm	0.0003 ppm	0.0041 ppm
Concentration per Run	41.2658 ppm	7.7763 ppm	0.0001 ppm	35.9402 ppm	0.0074 ppm	-0.0008 ppm	0.0035 ppm
Concentration per Run	41.3231 ppm	7.8400 ppm	-0.0006 ppm	36.4146 ppm	0.0079 ppm	0.0007 ppm	0.0044 ppm
Concentration per Run	40.9350 ppm	7.6138 ppm	0.0000 ppm	35.3986 ppm	0.0079 ppm	0.0009 ppm	0.0045 ppm
Concentration RSD	0.5 %	1.5 %	241.7 %	1.4 %	4.2 %	330.3 %	12.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0013 ppm	8.6071 ppm	-0.0012 ppm	0.7713 ppm	0.0618 ppm	-0.0005 ppm	0.0016 ppm
Concentration per Run	-0.0019 ppm	8.6621 ppm	-0.0006 ppm	0.7771 ppm	0.0615 ppm	-0.0014 ppm	0.0020 ppm
Concentration per Run	0.0016 ppm	8.6172 ppm	-0.0011 ppm	0.7809 ppm	0.0622 ppm	-0.0015 ppm	0.0014 ppm
Concentration per Run	0.0043 ppm	8.5420 ppm	-0.0021 ppm	0.7558 ppm	0.0617 ppm	0.0015 ppm	0.0015 ppm
Concentration RSD	232.1 %	0.7 %	63.0 %	1.8 %	0.6 %	343.9 %	17.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0035 ppm	93.5546 %	97.5403 %	87.7872 %	93.5753 %	97.5915 %	90.2523 %
Concentration per Run	0.0037 ppm	92.9439 %	97.0571 %	87.3135 %	92.5156 %	97.0373 %	89.8625 %
Concentration per Run	0.0036 ppm	93.6408 %	96.8479 %	87.7115 %	93.8901 %	97.0324 %	90.1500 %
Concentration per Run	0.0034 ppm	94.0790 %	98.7160 %	88.3364 %	94.3201 %	98.7048 %	90.7443 %
Concentration RSD	5.1 %	0.6 %	1.0 %	0.6 %	1.0 %	1.0 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-03 WG2110450

Analysis started at: 9/12/2025 8:56:48 PM

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Rack Number 3

Vial Numbers 6

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0005 ppm	0.0008 ppm	0.0047 ppm	0.0066 ppm	0.0010 ppm	-0.0001 ppm	41.2600 ppm
Concentration per Run	-0.0004 ppm	-0.0033 ppm	0.0048 ppm	0.0083 ppm	0.0011 ppm	-0.0001 ppm	41.3934 ppm
Concentration per Run	-0.0002 ppm	0.0036 ppm	0.0060 ppm	0.0064 ppm	0.0009 ppm	-0.0001 ppm	41.2097 ppm
Concentration per Run	-0.0010 ppm	0.0020 ppm	0.0032 ppm	0.0051 ppm	0.0011 ppm	0.0000 ppm	41.1769 ppm
Concentration RSD	79.6 %	477.9 %	29.3 %	23.9 %	12.8 %	64.9 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0009 ppm	0.0002 ppm	0.0009 ppm	0.0655 ppm	3.0058 ppm	0.0002 ppm
Concentration per Run	-0.0005 ppm	0.0008 ppm	0.0004 ppm	0.0008 ppm	0.0666 ppm	3.0019 ppm	0.0018 ppm
Concentration per Run	-0.0004 ppm	0.0011 ppm	-0.0002 ppm	0.0007 ppm	0.0646 ppm	3.0004 ppm	-0.0017 ppm
Concentration per Run	-0.0003 ppm	0.0008 ppm	0.0005 ppm	0.0012 ppm	0.0654 ppm	3.0152 ppm	0.0005 ppm
Concentration RSD	21.7 %	17.5 %	170.0 %	31.4 %	1.5 %	0.3 %	931.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.4212 ppm	0.1414 ppm	0.0081 ppm	13.1450 ppm	0.0003 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run	6.4455 ppm	0.1396 ppm	0.0081 ppm	13.2539 ppm	0.0004 ppm	0.0008 ppm	0.0019 ppm
Concentration per Run	6.5148 ppm	0.1397 ppm	0.0081 ppm	13.0908 ppm	-0.0002 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run	6.3032 ppm	0.1449 ppm	0.0080 ppm	13.0902 ppm	0.0007 ppm	0.0000 ppm	0.0005 ppm
Concentration RSD	1.7 %	2.1 %	0.8 %	0.7 %	139.9 %	749.3 %	152.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0027 ppm	6.9804 ppm	-0.0002 ppm	0.2646 ppm	-0.0003 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run	0.0055 ppm	6.9663 ppm	0.0000 ppm	0.2653 ppm	-0.0002 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	7.0794 ppm	-0.0016 ppm	0.2623 ppm	-0.0004 ppm	-0.0001 ppm	-0.0003 ppm
Concentration per Run	0.0025 ppm	6.8956 ppm	0.0008 ppm	0.2662 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	101.9 %	1.3 %	486.8 %	0.8 %	30.5 %	202.6 %	401.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	94.9568 %	96.5565 %	92.7024 %	94.0374 %	95.2355 %	92.2245 %
Concentration per Run	0.0005 ppm	94.2292 %	96.0301 %	93.0886 %	93.8386 %	94.4457 %	92.6419 %
Concentration per Run	0.0004 ppm	94.4130 %	96.7952 %	92.7871 %	93.4603 %	95.3485 %	92.0486 %
Concentration per Run	0.0006 ppm	96.2280 %	96.8442 %	92.2314 %	94.8133 %	95.9121 %	91.9829 %
Concentration RSD	15.2 %	1.2 %	0.5 %	0.5 %	0.7 %	0.8 %	0.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-04 WG2110450

Analysis started at: 9/12/2025 8:58:55 PM

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Rack Number 3

Vial Numbers 7

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0154 ppm	-0.0014 ppm	0.1021 ppm	0.0277 ppm	0.0000 ppm	67.8420 ppm
Concentration per Run	0.0002 ppm	0.0223 ppm	0.0000 ppm	0.1051 ppm	0.0287 ppm	0.0000 ppm	69.7489 ppm
Concentration per Run	-0.0001 ppm	0.0127 ppm	-0.0009 ppm	0.1016 ppm	0.0275 ppm	0.0000 ppm	67.4015 ppm
Concentration per Run	0.0003 ppm	0.0111 ppm	-0.0032 ppm	0.0997 ppm	0.0271 ppm	-0.0001 ppm	66.3757 ppm
Concentration RSD	139.7 %	39.2 %	121.2 %	2.7 %	2.9 %	103.1 %	2.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0007 ppm	0.0018 ppm	0.0002 ppm	0.0012 ppm	1.0210 ppm	7.5461 ppm	-0.0060 ppm
Concentration per Run	-0.0008 ppm	0.0017 ppm	-0.0002 ppm	0.0013 ppm	1.0534 ppm	7.7576 ppm	-0.0049 ppm
Concentration per Run	-0.0008 ppm	0.0018 ppm	0.0006 ppm	0.0015 ppm	1.0109 ppm	7.4954 ppm	-0.0048 ppm
Concentration per Run	-0.0006 ppm	0.0019 ppm	0.0003 ppm	0.0009 ppm	0.9985 ppm	7.3854 ppm	-0.0082 ppm
Concentration RSD	23.1 %	6.0 %	197.9 %	26.8 %	2.8 %	2.5 %	31.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	12.1163 ppm	3.5795 ppm	-0.0006 ppm	15.5097 ppm	0.0038 ppm	0.0004 ppm	0.0022 ppm
Concentration per Run	12.4226 ppm	3.6882 ppm	-0.0009 ppm	15.9193 ppm	0.0038 ppm	0.0009 ppm	0.0037 ppm
Concentration per Run	12.0569 ppm	3.5494 ppm	-0.0005 ppm	15.3984 ppm	0.0029 ppm	0.0006 ppm	0.0019 ppm
Concentration per Run	11.8693 ppm	3.5008 ppm	-0.0004 ppm	15.2113 ppm	0.0047 ppm	-0.0004 ppm	0.0008 ppm
Concentration RSD	2.3 %	2.7 %	43.4 %	2.4 %	24.2 %	174.2 %	68.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	7.9878 ppm	-0.0009 ppm	0.3587 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	-0.0021 ppm	8.1721 ppm	-0.0008 ppm	0.3689 ppm	0.0004 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run	0.0043 ppm	7.9752 ppm	-0.0017 ppm	0.3571 ppm	0.0005 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run	0.0008 ppm	7.8159 ppm	-0.0001 ppm	0.3501 ppm	0.0005 ppm	-0.0007 ppm	0.0000 ppm
Concentration RSD	310.5 %	2.2 %	90.8 %	2.7 %	14.2 %	1,416.8 %	74.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0013 ppm	97.4161 %	97.1039 %	92.2518 %	95.8975 %	96.8909 %	92.4217 %
Concentration per Run	0.0015 ppm	95.2751 %	94.9821 %	94.2387 %	93.6722 %	94.4050 %	94.0456 %
Concentration per Run	0.0012 ppm	97.1644 %	98.1353 %	92.1710 %	95.3744 %	98.0537 %	92.5928 %
Concentration per Run	0.0012 ppm	99.8090 %	98.1944 %	90.3457 %	98.6460 %	98.2142 %	90.6267 %
Concentration RSD	13.3 %	2.3 %	1.9 %	2.1 %	2.6 %	2.2 %	1.9 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-05 WG2110450

Analysis started at: 9/12/2025 9:01:01 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 8

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	0.9531 ppm	-0.0019 ppm	0.0618 ppm	0.0651 ppm	0.0000 ppm	53.4612 ppm
Concentration per Run	0.0004 ppm	0.9499 ppm	-0.0019 ppm	0.0616 ppm	0.0651 ppm	0.0000 ppm	53.2364 ppm
Concentration per Run	0.0005 ppm	0.9601 ppm	-0.0020 ppm	0.0620 ppm	0.0654 ppm	0.0000 ppm	53.9396 ppm
Concentration per Run	0.0007 ppm	0.9494 ppm	-0.0016 ppm	0.0618 ppm	0.0649 ppm	0.0000 ppm	53.2075 ppm
Concentration RSD	31.5 %	0.6 %	10.1 %	0.3 %	0.4 %	93.2 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0046 ppm	0.0031 ppm	0.0034 ppm	1.6771 ppm	7.3333 ppm	0.0000 ppm
Concentration per Run	-0.0005 ppm	0.0041 ppm	0.0036 ppm	0.0038 ppm	1.6800 ppm	7.3406 ppm	0.0006 ppm
Concentration per Run	-0.0004 ppm	0.0043 ppm	0.0030 ppm	0.0034 ppm	1.6800 ppm	7.3430 ppm	0.0000 ppm
Concentration per Run	-0.0005 ppm	0.0053 ppm	0.0028 ppm	0.0029 ppm	1.6714 ppm	7.3162 ppm	-0.0006 ppm
Concentration RSD	14.6 %	13.8 %	14.0 %	13.0 %	0.3 %	0.2 %	2,826.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	17.4185 ppm	3.2959 ppm	0.0000 ppm	305.7289 ppm	0.0054 ppm	0.0007 ppm	0.0041 ppm
Concentration per Run	17.4463 ppm	3.2951 ppm	0.0003 ppm	304.9364 ppm	0.0053 ppm	-0.0002 ppm	0.0049 ppm
Concentration per Run	17.2460 ppm	3.3024 ppm	-0.0002 ppm	307.6827 ppm	0.0056 ppm	0.0002 ppm	0.0051 ppm
Concentration per Run	17.5632 ppm	3.2902 ppm	0.0000 ppm	304.5977 ppm	0.0054 ppm	0.0020 ppm	0.0023 ppm
Concentration RSD	0.9 %	0.2 %	586.9 %	0.5 %	2.8 %	174.5 %	37.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0019 ppm	11.2077 ppm	0.0002 ppm	0.5187 ppm	0.1163 ppm	0.0012 ppm	0.0035 ppm
Concentration per Run	0.0027 ppm	11.2073 ppm	-0.0006 ppm	0.5199 ppm	0.1159 ppm	0.0002 ppm	0.0036 ppm
Concentration per Run	-0.0014 ppm	11.1347 ppm	0.0004 ppm	0.5190 ppm	0.1156 ppm	0.0022 ppm	0.0034 ppm
Concentration per Run	0.0045 ppm	11.2810 ppm	0.0009 ppm	0.5174 ppm	0.1173 ppm	0.0013 ppm	0.0036 ppm
Concentration RSD	159.2 %	0.7 %	314.5 %	0.2 %	0.8 %	81.4 %	2.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0170 ppm	92.3530 %	98.2839 %	86.7190 %	90.7852 %	96.8022 %	89.9323 %
Concentration per Run	0.0171 ppm	92.4850 %	98.5191 %	86.3918 %	91.2044 %	97.7289 %	89.3871 %
Concentration per Run	0.0169 ppm	92.8805 %	97.6228 %	87.5018 %	90.7454 %	95.2561 %	90.8372 %
Concentration per Run	0.0169 ppm	91.6935 %	98.7096 %	86.2635 %	90.4058 %	97.4214 %	89.5727 %
Concentration RSD	0.6 %	0.7 %	0.6 %	0.8 %	0.4 %	1.4 %	0.9 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-06 WG2110450

Analysis started at: 9/12/2025 9:03:08 PM

Comment: <Comment>

Rack Number 3

Vial Numbers 9

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0080 ppm	0.0064 ppm	0.0100 ppm	0.0164 ppm	-0.0001 ppm	114.7690 ppm
Concentration per Run	0.0002 ppm	0.0057 ppm	0.0067 ppm	0.0093 ppm	0.0165 ppm	0.0000 ppm	115.6794 ppm
Concentration per Run	0.0002 ppm	0.0146 ppm	0.0064 ppm	0.0102 ppm	0.0162 ppm	-0.0001 ppm	113.9104 ppm
Concentration per Run	-0.0002 ppm	0.0038 ppm	0.0061 ppm	0.0105 ppm	0.0165 ppm	-0.0001 ppm	114.7173 ppm
Concentration RSD	279.1 %	72.4 %	4.5 %	6.3 %	1.1 %	103.1 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0013 ppm	0.0004 ppm	0.0004 ppm	0.0025 ppm	0.0178 ppm	9.3096 ppm	-0.0070 ppm
Concentration per Run	-0.0013 ppm	0.0004 ppm	0.0004 ppm	0.0026 ppm	0.0182 ppm	9.3721 ppm	-0.0066 ppm
Concentration per Run	-0.0013 ppm	0.0004 ppm	0.0004 ppm	0.0023 ppm	0.0169 ppm	9.2204 ppm	-0.0065 ppm
Concentration per Run	-0.0013 ppm	0.0005 ppm	0.0004 ppm	0.0026 ppm	0.0184 ppm	9.3363 ppm	-0.0079 ppm
Concentration RSD	1.1 %	20.1 %	9.9 %	6.4 %	4.5 %	0.9 %	10.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	22.1038 ppm	0.0715 ppm	0.0019 ppm	55.6731 ppm	0.0018 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run	22.1836 ppm	0.0714 ppm	0.0019 ppm	56.2469 ppm	0.0024 ppm	-0.0004 ppm	-0.0015 ppm
Concentration per Run	22.2616 ppm	0.0707 ppm	0.0020 ppm	54.5116 ppm	0.0008 ppm	0.0003 ppm	0.0022 ppm
Concentration per Run	21.8663 ppm	0.0724 ppm	0.0018 ppm	56.2607 ppm	0.0023 ppm	-0.0005 ppm	0.0001 ppm
Concentration RSD	0.9 %	1.2 %	3.3 %	1.8 %	50.0 %	196.2 %	688.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0021 ppm	11.6465 ppm	-0.0003 ppm	0.5530 ppm	0.0001 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run	0.0021 ppm	11.6690 ppm	-0.0013 ppm	0.5574 ppm	0.0005 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run	0.0013 ppm	11.6948 ppm	-0.0002 ppm	0.5472 ppm	0.0001 ppm	-0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0028 ppm	11.5759 ppm	0.0006 ppm	0.5543 ppm	-0.0002 ppm	0.0002 ppm	-0.0001 ppm
Concentration RSD	34.5 %	0.5 %	312.4 %	0.9 %	246.0 %	117.1 %	291.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0959 ppm	93.5072 %	93.4953 %	89.4547 %	91.9290 %	95.8216 %	90.7531 %
Concentration per Run	0.0961 ppm	93.4953 %	97.1959 %	87.0452 %	91.7632 %	95.7074 %	88.3293 %
Concentration per Run	0.0961 ppm	92.9368 %	89.5154 %	89.9380 %	91.1129 %	94.5634 %	90.8101 %
Concentration per Run	0.0953 ppm	94.0894 %	98.6050 %	91.8034 %	92.9107 %	97.1939 %	93.1198 %
Concentration RSD	0.5 %	0.6 %	0.9 %	2.7 %	1.0 %	1.4 %	2.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-07 WG2110450

Analysis started at: 9/12/2025 9:05:14 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 10

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0060 ppm	0.0211 ppm	0.0181 ppm	0.0445 ppm	0.0000 ppm	111.0107 ppm
Concentration per Run	0.0005 ppm	0.0101 ppm	0.0239 ppm	0.0164 ppm	0.0442 ppm	0.0000 ppm	110.8061 ppm
Concentration per Run	0.0000 ppm	0.0054 ppm	0.0200 ppm	0.0200 ppm	0.0443 ppm	-0.0001 ppm	110.3725 ppm
Concentration per Run	0.0001 ppm	0.0026 ppm	0.0194 ppm	0.0180 ppm	0.0450 ppm	0.0000 ppm	111.8536 ppm
Concentration RSD	102.0 %	62.9 %	11.6 %	9.8 %	1.0 %	105.5 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0012 ppm	0.0030 ppm	0.0002 ppm	0.0009 ppm	7.3147 ppm	5.9886 ppm	-0.0015 ppm
Concentration per Run	-0.0012 ppm	0.0036 ppm	0.0003 ppm	0.0011 ppm	7.3067 ppm	6.0016 ppm	-0.0001 ppm
Concentration per Run	-0.0011 ppm	0.0029 ppm	0.0001 ppm	0.0007 ppm	7.2444 ppm	5.9320 ppm	-0.0015 ppm
Concentration per Run	-0.0013 ppm	0.0025 ppm	0.0002 ppm	0.0008 ppm	7.3928 ppm	6.0323 ppm	-0.0029 ppm
Concentration RSD	5.4 %	17.1 %	64.5 %	23.5 %	1.0 %	0.9 %	90.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	42.7708 ppm	9.3259 ppm	0.0020 ppm	18.7589 ppm	0.0191 ppm	-0.0013 ppm	0.0014 ppm
Concentration per Run	42.7521 ppm	9.2811 ppm	0.0021 ppm	18.6467 ppm	0.0186 ppm	-0.0010 ppm	0.0003 ppm
Concentration per Run	43.0495 ppm	9.3152 ppm	0.0019 ppm	18.8958 ppm	0.0201 ppm	-0.0018 ppm	0.0061 ppm
Concentration per Run	42.5108 ppm	9.3815 ppm	0.0020 ppm	18.7340 ppm	0.0185 ppm	-0.0011 ppm	-0.0020 ppm
Concentration RSD	0.6 %	0.5 %	6.0 %	0.7 %	4.7 %	34.8 %	290.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0003 ppm	13.7325 ppm	-0.0005 ppm	0.7128 ppm	0.0003 ppm	0.0002 ppm	-0.0005 ppm
Concentration per Run	-0.0021 ppm	13.6672 ppm	0.0000 ppm	0.7107 ppm	-0.0002 ppm	0.0006 ppm	-0.0004 ppm
Concentration per Run	0.0018 ppm	13.9206 ppm	-0.0007 ppm	0.7074 ppm	0.0006 ppm	0.0004 ppm	-0.0005 ppm
Concentration per Run	0.0011 ppm	13.6096 ppm	-0.0007 ppm	0.7203 ppm	0.0005 ppm	-0.0005 ppm	-0.0006 ppm
Concentration RSD	741.6 %	1.2 %	82.7 %	0.9 %	134.5 %	354.0 %	13.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0090 ppm	95.0164 %	97.6727 %	88.9451 %	94.0502 %	95.8690 %	90.6477 %
Concentration per Run	0.0089 ppm	95.1156 %	98.0402 %	88.7455 %	94.6803 %	95.6296 %	90.3978 %
Concentration per Run	0.0091 ppm	93.7920 %	97.4463 %	89.5651 %	92.9404 %	97.4764 %	91.1623 %
Concentration per Run	0.0089 ppm	96.1415 %	97.5315 %	88.5246 %	94.5300 %	94.5009 %	90.3830 %
Concentration RSD	1.7 %	1.2 %	0.3 %	0.6 %	1.0 %	1.6 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-08 WG2110450

Analysis started at: 9/12/2025 9:07:20 PM

Comment: <Comment>

Rack Number 3

Vial Numbers 11

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0161 ppm	0.0194 ppm	0.0186 ppm	0.0448 ppm	0.0000 ppm	111.1278 ppm
Concentration per Run	0.0001 ppm	0.0159 ppm	0.0217 ppm	0.0192 ppm	0.0453 ppm	0.0000 ppm	112.4258 ppm
Concentration per Run	0.0006 ppm	0.0196 ppm	0.0170 ppm	0.0183 ppm	0.0442 ppm	0.0000 ppm	109.3882 ppm
Concentration per Run	0.0000 ppm	0.0128 ppm	0.0195 ppm	0.0185 ppm	0.0450 ppm	0.0000 ppm	111.5695 ppm
Concentration RSD	149.6 %	21.4 %	11.9 %	2.5 %	1.3 %	72.5 %	1.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0012 ppm	0.0027 ppm	0.0004 ppm	0.0014 ppm	7.5774 ppm	5.9857 ppm	-0.0020 ppm
Concentration per Run	-0.0012 ppm	0.0027 ppm	0.0006 ppm	0.0013 ppm	7.6675 ppm	6.0485 ppm	0.0009 ppm
Concentration per Run	-0.0012 ppm	0.0025 ppm	0.0005 ppm	0.0018 ppm	7.4544 ppm	5.9029 ppm	-0.0044 ppm
Concentration per Run	-0.0012 ppm	0.0030 ppm	0.0001 ppm	0.0010 ppm	7.6104 ppm	6.0057 ppm	-0.0024 ppm
Concentration RSD	2.0 %	9.5 %	66.3 %	28.9 %	1.5 %	1.3 %	134.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	42.3831 ppm	9.0957 ppm	0.0019 ppm	18.9168 ppm	0.0175 ppm	-0.0011 ppm	0.0028 ppm
Concentration per Run	42.2558 ppm	9.2010 ppm	0.0017 ppm	19.1852 ppm	0.0177 ppm	-0.0003 ppm	0.0087 ppm
Concentration per Run	42.4279 ppm	8.9460 ppm	0.0019 ppm	18.5597 ppm	0.0172 ppm	-0.0021 ppm	-0.0022 ppm
Concentration per Run	42.4657 ppm	9.1402 ppm	0.0022 ppm	19.0056 ppm	0.0176 ppm	-0.0009 ppm	0.0021 ppm
Concentration RSD	0.3 %	1.5 %	11.8 %	1.7 %	1.4 %	84.6 %	194.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0003 ppm	13.5459 ppm	-0.0011 ppm	0.7146 ppm	0.0002 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	-0.0011 ppm	13.5233 ppm	-0.0003 ppm	0.7202 ppm	0.0000 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run	-0.0005 ppm	13.6165 ppm	-0.0018 ppm	0.7059 ppm	0.0003 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	0.0008 ppm	13.4978 ppm	-0.0012 ppm	0.7176 ppm	0.0004 ppm	0.0002 ppm	-0.0002 ppm
Concentration RSD	344.4 %	0.5 %	70.6 %	1.1 %	72.7 %	339.4 %	90.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0095 ppm	95.3142 %	98.6562 %	89.1489 %	94.3786 %	98.0693 %	90.6937 %
Concentration per Run	0.0093 ppm	95.3821 %	96.8956 %	88.2835 %	94.0620 %	96.4318 %	89.4998 %
Concentration per Run	0.0096 ppm	94.7705 %	100.3942 %	89.0874 %	94.1517 %	99.5302 %	90.7079 %
Concentration per Run	0.0095 ppm	95.7899 %	98.6789 %	90.0758 %	94.9223 %	98.2458 %	91.8736 %
Concentration RSD	1.4 %	0.5 %	1.8 %	1.0 %	0.5 %	1.6 %	1.3 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-09 WG2110450

Analysis started at: 9/12/2025 9:09:26 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 12

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0002 ppm	0.0071 ppm	0.0184 ppm	0.0108 ppm	0.0304 ppm	-0.0001 ppm
Concentration per Run	0.0005 ppm	0.0052 ppm	0.0179 ppm	0.0115 ppm	0.0307 ppm	41.5108 ppm
Concentration per Run	-0.0005 ppm	0.0066 ppm	0.0173 ppm	0.0098 ppm	0.0299 ppm	41.7753 ppm
Concentration per Run	-0.0006 ppm	0.0094 ppm	0.0201 ppm	0.0112 ppm	0.0307 ppm	41.0007 ppm
Concentration RSD	291.4 %	30.4 %	8.1 %	8.4 %	1.6 %	56.1 %
						1.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0005 ppm	0.0005 ppm	0.0092 ppm	0.0012 ppm	3.0090 ppm	4.6959 ppm	-0.0034 ppm
Concentration per Run	-0.0004 ppm	0.0002 ppm	0.0092 ppm	0.0012 ppm	3.0361 ppm	4.7445 ppm	-0.0038 ppm
Concentration per Run	-0.0005 ppm	0.0010 ppm	0.0092 ppm	0.0013 ppm	2.9530 ppm	4.6314 ppm	-0.0042 ppm
Concentration per Run	-0.0006 ppm	0.0004 ppm	0.0092 ppm	0.0011 ppm	3.0380 ppm	4.7118 ppm	-0.0023 ppm
Concentration RSD	14.2 %	79.8 %	0.2 %	14.4 %	1.6 %	1.2 %	29.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	8.4394 ppm	0.7073 ppm	0.0127 ppm	31.0575 ppm	0.0019 ppm	0.0002 ppm	0.0035 ppm
Concentration per Run	8.4342 ppm	0.7096 ppm	0.0122 ppm	31.0601 ppm	0.0020 ppm	0.0009 ppm	0.0041 ppm
Concentration per Run	8.6932 ppm	0.6984 ppm	0.0134 ppm	30.7566 ppm	0.0016 ppm	0.0003 ppm	0.0039 ppm
Concentration per Run	8.1908 ppm	0.7140 ppm	0.0125 ppm	31.3558 ppm	0.0021 ppm	-0.0005 ppm	0.0023 ppm
Concentration RSD	3.0 %	1.1 %	4.9 %	1.0 %	15.3 %	322.9 %	28.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0012 ppm	8.4270 ppm	-0.0003 ppm	0.2604 ppm	-0.0007 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	-0.0005 ppm	8.3727 ppm	0.0015 ppm	0.2617 ppm	-0.0007 ppm	-0.0013 ppm	0.0001 ppm
Concentration per Run	0.0042 ppm	8.6360 ppm	-0.0016 ppm	0.2564 ppm	-0.0006 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run	-0.0001 ppm	8.2723 ppm	-0.0006 ppm	0.2632 ppm	-0.0007 ppm	0.0027 ppm	0.0002 ppm
Concentration RSD	217.6 %	2.2 %	626.4 %	1.4 %	8.3 %	662.7 %	89.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0037 ppm	94.8703 %	97.4453 %	91.9004 %	93.6603 %	95.7335 %	92.0072 %
Concentration per Run	0.0038 ppm	95.5301 %	96.3354 %	91.9132 %	94.7393 %	94.2564 %	91.8767 %
Concentration per Run	0.0041 ppm	92.6081 %	92.1779 %	92.7612 %	91.4557 %	96.6602 %	93.0120 %
Concentration per Run	0.0032 ppm	96.4727 %	97.8226 %	91.0267 %	94.7859 %	96.2838 %	91.1330 %
Concentration RSD	12.1 %	2.1 %	1.0 %	0.9 %	2.0 %	1.4 %	1.0 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-10 WG2110450

Analysis started at: 9/12/2025 9:11:32 PM

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Rack Number: 3

Vial Numbers: 13

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0009 ppm	0.0064 ppm	1.1131 ppm	0.1027 ppm	-0.0001 ppm	188.6136 ppm
Concentration per Run	0.0002 ppm	-0.0038 ppm	0.0068 ppm	1.1261 ppm	0.1006 ppm	-0.0001 ppm	185.4661 ppm
Concentration per Run	-0.0006 ppm	0.0059 ppm	0.0063 ppm	1.1228 ppm	0.1045 ppm	-0.0001 ppm	191.6719 ppm
Concentration per Run	0.0000 ppm	-0.0047 ppm	0.0062 ppm	1.0903 ppm	0.1029 ppm	0.0000 ppm	188.7027 ppm
Concentration RSD	308.9 %	659.7 %	4.7 %	1.8 %	1.9 %	40.1 %	1.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0021 ppm	0.0095 ppm	0.0097 ppm	0.0012 ppm	12.2113 ppm	8.4002 ppm	-0.0021 ppm
Concentration per Run	-0.0020 ppm	0.0020 ppm	-0.0007 ppm	0.0012 ppm	11.8781 ppm	-0.0020 ppm	-0.0020 ppm
Concentration per Run	-0.0022 ppm	0.0100 ppm	0.0000 ppm	0.0015 ppm	12.3611 ppm	8.5533 ppm	-0.0049 ppm
Concentration per Run	-0.0020 ppm	0.0089 ppm	-0.0003 ppm	0.0010 ppm	12.3948 ppm	8.3647 ppm	0.0005 ppm
Concentration RSD	5.0 %	5.9 %	106.3 %	21.8 %	2.4 %	1.7 %	126.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	59.2336 ppm	4.3686 ppm	0.0015 ppm	128.7143 ppm	0.0060 ppm	-0.0009 ppm	0.0016 ppm
Concentration per Run	60.0364 ppm	4.2978 ppm	0.0015 ppm	127.2305 ppm	0.0063 ppm	-0.0005 ppm	0.0031 ppm
Concentration per Run	59.5284 ppm	4.4345 ppm	0.0020 ppm	131.8472 ppm	0.0063 ppm	-0.0011 ppm	0.0006 ppm
Concentration per Run	58.1362 ppm	4.3736 ppm	0.0010 ppm	127.0651 ppm	0.0055 ppm	-0.0009 ppm	0.0010 ppm
Concentration RSD	1.7 %	1.6 %	35.4 %	2.1 %	8.3 %	35.1 %	84.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0017 ppm	17.5265 ppm	-0.0010 ppm	1.2210 ppm	-0.0001 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0012 ppm	17.7687 ppm	-0.0003 ppm	1.1959 ppm	-0.0002 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	0.0032 ppm	17.6786 ppm	-0.0007 ppm	1.2383 ppm	0.0003 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0007 ppm	17.1323 ppm	-0.0019 ppm	1.2288 ppm	-0.0003 ppm	0.0008 ppm	-0.0001 ppm
Concentration RSD	75.8 %	2.0 %	90.3 %	1.8 %	312.8 %	54.0 %	271.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0014 ppm	94.2013 %	97.5348 %	86.7342 %	92.8267 %	97.0788 %	90.0202 %
Concentration per Run	0.0018 ppm	92.9487 %	98.7613 %	86.7827 %	92.0737 %	99.3467 %	89.9174 %
Concentration per Run	0.0013 ppm	93.5287 %	96.5847 %	87.2647 %	91.5624 %	97.2880 %	90.5282 %
Concentration per Run	0.0012 ppm	96.1266 %	97.2583 %	86.1552 %	94.8441 %	94.6018 %	89.6151 %
Concentration RSD	21.8 %	1.8 %	1.1 %	0.6 %	1.9 %	2.5 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 9:19:31 PM

Analysis started at:

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Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5254 ppm	0.5187 ppm	0.5064 ppm	0.4849 ppm	0.5194 ppm	0.5281 ppm	0.7601 ppm
Concentration per Run	0.5209 ppm	0.5209 ppm	0.5135 ppm	0.4804 ppm	0.5177 ppm	0.5276 ppm	0.6502 ppm
Concentration per Run	0.5202 ppm	0.5151 ppm	0.5046 ppm	0.4793 ppm	0.5177 ppm	0.5255 ppm	0.7319 ppm
Concentration per Run	0.5350 ppm	0.5200 ppm	0.5011 ppm	0.4950 ppm	0.5229 ppm	0.5313 ppm	0.8980 ppm
Recovery Percentage	105.072 %	103.737 %	101.285 %	96.981 %	103.885 %	105.623 %	152.012 %
Concentration RSD	1.6 %	0.6 %	1.3 %	1.8 %	0.6 %	0.6 %	16.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5217 ppm	0.5325 ppm	0.5289 ppm	0.5441 ppm	0.5415 ppm	0.54230 ppm	0.5235 ppm
Concentration per Run	0.5183 ppm	0.5269 ppm	0.5242 ppm	0.5377 ppm	0.5331 ppm	0.54309 ppm	0.5273 ppm
Concentration per Run	0.5167 ppm	0.5259 ppm	0.5216 ppm	0.5391 ppm	0.5399 ppm	0.53696 ppm	0.5131 ppm
Concentration per Run	0.5302 ppm	0.5448 ppm	0.5407 ppm	0.5555 ppm	0.5517 ppm	0.54685 ppm	0.5302 ppm
Recovery Percentage	104.345 %	106.505 %	105.774 %	108.820 %	108.310 %	108.460 %	104.707 %
Concentration RSD	1.4 %	2.0 %	2.0 %	1.8 %	1.7 %	0.9 %	1.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5435 ppm	0.5276 ppm	0.4989 ppm	10.7647 ppm	0.5342 ppm	0.5426 ppm	0.5275 ppm
Concentration per Run	0.5420 ppm	0.5257 ppm	0.4955 ppm	10.7193 ppm	0.5284 ppm	0.5503 ppm	0.5248 ppm
Concentration per Run	0.5402 ppm	0.5235 ppm	0.4943 ppm	10.7046 ppm	0.5285 ppm	0.5378 ppm	0.5199 ppm
Concentration per Run	0.5484 ppm	0.5336 ppm	0.5070 ppm	10.8703 ppm	0.5456 ppm	0.5398 ppm	0.5371 ppm
Recovery Percentage	108.703 %	105.522 %	99.788 %	107.647 %	106.831 %	108.525 %	105.451 %
Concentration RSD	0.8 %	1.0 %	1.4 %	0.9 %	1.9 %	1.2 %	1.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.5014 ppm	5.5980 ppm	0.4978 ppm	0.5257 ppm	0.5239 ppm	0.5033 ppm	0.5373 ppm
Concentration per Run	0.5080 ppm	5.5482 ppm	0.4924 ppm	0.5240 ppm	0.5199 ppm	0.5075 ppm	0.5335 ppm
Concentration per Run	0.4977 ppm	5.5362 ppm	0.4942 ppm	0.5245 ppm	0.5204 ppm	0.5026 ppm	0.5317 ppm
Concentration per Run	0.4984 ppm	5.7096 ppm	0.5068 ppm	0.5287 ppm	0.5314 ppm	0.4999 ppm	0.5468 ppm
Recovery Percentage	100.274 %	106.629 %	99.557 %	105.149 %	104.781 %	100.664 %	107.467 %
Concentration RSD	1.1 %	1.7 %	1.6 %	0.5 %	1.2 %	0.8 %	1.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4962 ppm	96.9329 %	97.2231 %	93.8440 %	95.6639 %	96.3038 %	92.8265 %
Concentration per Run	0.4928 ppm	97.6806 %	97.2393 %	92.9253 %	96.8008 %	96.7219 %	91.7756 %
Concentration per Run	0.4910 ppm	97.7970 %	97.9245 %	94.5955 %	96.3231 %	96.7995 %	93.8256 %
Concentration per Run	0.5048 ppm	95.3211 %	96.5054 %	94.0112 %	93.8678 %	95.3900 %	92.8783 %
Recovery Percentage	99.235 %						
Concentration RSD	1.5 %	1.4 %	0.7 %	0.9 %	1.6 %	0.8 %	1.1 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 9:21:44 PM

Analysis started at: 9/12/2025 9:21:44 PM

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0009 ppm	-0.0002 ppm	-0.0006 ppm	0.0023 ppm	0.0003 ppm	0.0004 ppm	0.0118 ppm
Concentration per Run	0.0002 ppm	0.0010 ppm	0.0005 ppm	0.0030 ppm	0.0002 ppm	0.0002 ppm	0.0072 ppm
Concentration per Run	0.0014 ppm	0.0042 ppm	-0.0008 ppm	0.0018 ppm	0.0002 ppm	0.0005 ppm	0.0156 ppm
Concentration per Run	0.0011 ppm	-0.0057 ppm	-0.0016 ppm	0.0021 ppm	0.0003 ppm	0.0006 ppm	0.0124 ppm
Recovery Percentage	12.675 %	-0.150 %	-12.211 %	7.744 %	2.704 %	11.115 %	11.763 %
Concentration RSD	72.7 %	3.360 %	176.4 %	26.6 %	27.1 %	49.3 %	35.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0006 ppm	0.0004 ppm	0.0008 ppm	0.0018 ppm	0.0266 ppm	-0.0027 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0006 ppm	0.0005 ppm	0.0287 ppm	-0.0024 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0006 ppm	0.0030 ppm	0.0312 ppm	-0.0030 ppm
Concentration per Run	0.0003 ppm	0.0010 ppm	0.0007 ppm	0.0011 ppm	0.0019 ppm	0.0200 ppm	-0.0028 ppm
Recovery Percentage	3.070 %	2.950 %	3.666 %	7.616 %	3.624 %	1.065 %	-54.358 %
Concentration RSD	58.3 %	57.6 %	99.9 %	43.4 %	68.0 %	22.2 %	10.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0011 ppm	0.0010 ppm	-0.0001 ppm	0.0155 ppm	0.0005 ppm	0.0005 ppm	0.0049 ppm
Concentration per Run	-0.0016 ppm	0.0006 ppm	-0.0001 ppm	0.0134 ppm	0.0004 ppm	-0.0001 ppm	0.0038 ppm
Concentration per Run	-0.0004 ppm	0.0009 ppm	0.0001 ppm	0.0147 ppm	0.0011 ppm	0.0007 ppm	0.0066 ppm
Concentration per Run	-0.0013 ppm	0.0016 ppm	-0.0003 ppm	0.0184 ppm	-0.0001 ppm	0.0008 ppm	0.0041 ppm
Recovery Percentage	-1.096 %	10.233 %	-0.205 %	0.775 %	1.940 %	4.921 %	9.716 %
Concentration RSD	55.9 %	51.0 %	185.0 %	16.8 %	128.2 %	99.0 %	31.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0001 ppm	0.0013 ppm	0.0005 ppm	0.0004 ppm	-0.0002 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run	0.0022 ppm	0.0000 ppm	0.0014 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run	0.0006 ppm	0.0028 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0007 ppm	0.0004 ppm
Concentration per Run	-0.0024 ppm	0.0009 ppm	0.0001 ppm	0.0007 ppm	-0.0002 ppm	-0.0001 ppm	0.0005 ppm
Recovery Percentage	1.242 %	0.252 %	1.071 %	4.497 %	-1.965 %	1.241 %	3.207 %
Concentration RSD	1.887 %	113.6 %	137.0 %	45.8 %	31.4 %	178.8 %	59.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0002 ppm	91.7091 %	95.9783 %	89.4555 %	92.6596 %	96.8037 %	89.9616 %
Concentration per Run	-0.0001 ppm	92.3247 %	96.0125 %	87.9235 %	93.1185 %	95.9424 %	88.3815 %
Concentration per Run	-0.0005 ppm	90.5545 %	94.7913 %	89.4468 %	91.7472 %	95.4343 %	90.1299 %
Concentration per Run	0.0000 ppm	92.2481 %	97.1311 %	90.9963 %	93.1130 %	99.0342 %	91.3732 %
Recovery Percentage	-3.666 %	1.1 %	1.2 %	1.7 %	0.9 %	2.0 %	1.7 %
Concentration RSD	127.3 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 9:27:51 PM

Analysis started at: <Comment>

Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5303 ppm	0.5296 ppm	0.5090 ppm	0.4931 ppm	0.5264 ppm	0.5382 ppm	0.5522 ppm
Concentration per Run	0.5249 ppm	0.5274 ppm	0.5005 ppm	0.4902 ppm	0.5341 ppm	0.5450 ppm	0.5450 ppm
Concentration per Run	0.5316 ppm	0.5292 ppm	0.5134 ppm	0.4947 ppm	0.5328 ppm	0.5462 ppm	0.5608 ppm
Concentration per Run	0.5342 ppm	0.5322 ppm	0.5130 ppm	0.4943 ppm	0.5232 ppm	0.5345 ppm	0.5507 ppm
Recovery Percentage	106.053 %	105.919 %	101.795 %	98.618 %	105.278 %	107.650 %	110.435 %
Concentration RSD	0.9 %	0.5 %	1.4 %	0.5 %	1.1 %	1.3 %	1.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5264 ppm	0.5382 ppm	0.5346 ppm	0.5401 ppm	0.5352 ppm	5.4617 ppm	0.5434 ppm
Concentration per Run	0.5232 ppm	0.5372 ppm	0.5318 ppm	0.5397 ppm	0.5283 ppm	5.4146 ppm	0.5355 ppm
Concentration per Run	0.5267 ppm	0.5372 ppm	0.5349 ppm	0.5367 ppm	0.5543 ppm	5.5833 ppm	0.5573 ppm
Concentration per Run	0.5292 ppm	0.5402 ppm	0.5370 ppm	0.5437 ppm	0.5231 ppm	5.3872 ppm	0.5374 ppm
Recovery Percentage	105.273 %	107.642 %	106.920 %	108.012 %	107.048 %	109.235 %	108.677 %
Concentration RSD	0.6 %	0.3 %	0.5 %	0.7 %	3.1 %	1.9 %	2.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5388 ppm	0.5311 ppm	0.5047 ppm	10.9145 ppm	0.5394 ppm	0.5458 ppm	0.5315 ppm
Concentration per Run	0.5358 ppm	0.5288 ppm	0.5018 ppm	10.8164 ppm	0.5350 ppm	0.5348 ppm	0.5332 ppm
Concentration per Run	0.5387 ppm	0.5364 ppm	0.5043 ppm	11.1244 ppm	0.5397 ppm	0.5529 ppm	0.5261 ppm
Concentration per Run	0.5420 ppm	0.5280 ppm	0.5080 ppm	10.8027 ppm	0.5436 ppm	0.5497 ppm	0.5351 ppm
Recovery Percentage	107.766 %	106.218 %	100.939 %	109.145 %	107.884 %	109.157 %	106.298 %
Concentration RSD	0.6 %	0.9 %	0.6 %	1.7 %	0.8 %	1.8 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.5043 ppm	5.6314 ppm	0.5065 ppm	0.5332 ppm	0.5281 ppm	0.5093 ppm	0.5433 ppm
Concentration per Run	0.4977 ppm	5.5948 ppm	0.5073 ppm	0.5300 ppm	0.5212 ppm	0.5020 ppm	0.5401 ppm
Concentration per Run	0.5088 ppm	5.6322 ppm	0.5024 ppm	0.5399 ppm	0.5311 ppm	0.5129 ppm	0.5436 ppm
Concentration per Run	0.5064 ppm	5.6674 ppm	0.5097 ppm	0.5296 ppm	0.5322 ppm	0.5129 ppm	0.5462 ppm
Recovery Percentage	100.858 %	107.266 %	101.295 %	106.633 %	105.630 %	101.853 %	108.658 %
Concentration RSD	1.1 %	0.6 %	0.7 %	1.1 %	1.2 %	1.2 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5023 ppm	95.6797 %	96.0476 %	92.5194 %	94.4094 %	94.3167 %	91.5604 %
Concentration per Run	0.4994 ppm	95.8109 %	96.4630 %	93.5789 %	94.1107 %	95.3064 %	92.5927 %
Concentration per Run	0.5027 ppm	95.3945 %	95.5577 %	91.7668 %	94.8405 %	92.2995 %	90.8497 %
Concentration per Run	0.5047 ppm	95.5336 %	96.1221 %	92.2124 %	94.2770 %	95.3442 %	91.2389 %
Recovery Percentage	100.458 %						
Concentration RSD	0.5 %	0.2 %	0.5 %	1.0 %	0.4 %	1.9 %	1.0 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

CCB

Sample: 9/12/2025 9:30:05 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	-0.0007 ppm	0.0002 ppm	0.0017 ppm	0.0002 ppm	0.0005 ppm	0.0025 ppm
Concentration per Run	0.0004 ppm	-0.0009 ppm	0.0002 ppm	0.0028 ppm	0.0000 ppm	0.0002 ppm	0.0009 ppm
Concentration per Run	0.0005 ppm	0.0005 ppm	-0.0002 ppm	0.0008 ppm	0.0003 ppm	0.0004 ppm	-0.0007 ppm
Concentration per Run	0.0006 ppm	0.0071 ppm	0.0015 ppm	0.0015 ppm	0.0003 ppm	0.0007 ppm	0.0073 ppm
Recovery Percentage	7.619 %	-0.739 %	3.688 %	5.776 %	2.097 %	11.268 %	2.494 %
Concentration RSD	18.4 %	1,161.2 %	650.6 %	58.7 %	87.9 %	51.0 %	170.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0006 ppm	0.0006 ppm	0.0004 ppm	0.0251 ppm	-0.0026 ppm
Concentration per Run	0.0002 ppm	0.0004 ppm	0.0006 ppm	0.0011 ppm	0.0004 ppm	0.0101 ppm	-0.0038 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0257 ppm	-0.0023 ppm
Concentration per Run	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0008 ppm	0.0008 ppm	0.0395 ppm	-0.0017 ppm
Recovery Percentage	2.550 %	1.866 %	6.013 %	6.098 %	0.766 %	1.004 %	-52.012 %
Concentration RSD	43.6 %	36.3 %	22.3 %	99.4 %	99.5 %	58.6 %	40.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0025 ppm	0.0006 ppm	0.0003 ppm	0.0043 ppm	0.0008 ppm	0.0014 ppm	0.0047 ppm
Concentration per Run	-0.0036 ppm	0.0003 ppm	0.0000 ppm	0.0043 ppm	0.0009 ppm	0.0019 ppm	0.0051 ppm
Concentration per Run	-0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0077 ppm	0.0009 ppm	0.0019 ppm	0.0037 ppm
Concentration per Run	-0.0030 ppm	0.0010 ppm	0.0002 ppm	0.0134 ppm	0.0006 ppm	0.0004 ppm	0.0053 ppm
Recovery Percentage	-2.462 %	5.596 %	0.171 %	0.424 %	3.065 %	13.747 %	9.348 %
Concentration RSD	59.2 %	60.7 %	130.0 %	54.3 %	24.3 %	61.3 %	19.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	0.0015 ppm	-0.0007 ppm	0.0004 ppm	-0.0006 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run	-0.0011 ppm	0.0011 ppm	0.0002 ppm	0.0001 ppm	-0.0003 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0029 ppm	0.0025 ppm	-0.0011 ppm	0.0004 ppm	-0.0008 ppm	0.0024 ppm	0.0000 ppm
Concentration per Run	0.0002 ppm	0.0003 ppm	-0.0010 ppm	0.0008 ppm	-0.0006 ppm	0.0014 ppm	0.0005 ppm
Recovery Percentage	6.845 %	0.295 %	-1.312 %	4.121 %	-5.502 %	7.700 %	1.651 %
Concentration RSD	299.9 %	75.6 %	115.6 %	79.9 %	47.0 %	49.4 %	150.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	92.5623 %	94.3877 %	89.6995 %	93.3658 %	94.6644 %	90.0754 %
Concentration per Run	0.0000 ppm	90.9519 %	94.1154 %	90.4080 %	91.3376 %	94.1856 %	91.0705 %
Concentration per Run	0.0000 ppm	93.0707 %	94.1475 %	89.2892 %	94.1089 %	94.7713 %	89.6221 %
Concentration per Run	0.0000 ppm	93.6644 %	94.9002 %	89.4015 %	94.6510 %	95.0364 %	89.5336 %
Recovery Percentage	-0.367 %	1.5 %	0.5 %	0.7 %	1.9 %	0.5 %	1.0 %
Concentration RSD	166.4 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-11 WG2110450

Analysis started at: 9/12/2025 9:46:21 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 14

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0005 ppm	0.0205 ppm	0.0395 ppm	0.0722 ppm	0.1149 ppm	0.0001 ppm	138.5881 ppm
Concentration per Run	0.0008 ppm	0.0291 ppm	0.0365 ppm	0.0708 ppm	0.1141 ppm	0.0001 ppm	137.0099 ppm
Concentration per Run	0.0008 ppm	0.0173 ppm	0.0399 ppm	0.0718 ppm	0.1150 ppm	0.0001 ppm	138.0441 ppm
Concentration per Run	0.0001 ppm	0.0152 ppm	0.0422 ppm	0.0740 ppm	0.1158 ppm	0.0002 ppm	140.7102 ppm
Concentration RSD	77.8 %	36.4 %	7.2 %	2.3 %	0.7 %	48.8 %	1.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0016 ppm	0.0026 ppm	0.0002 ppm	0.0016 ppm	25.5370 ppm	8.0726 ppm	-0.0080 ppm
Concentration per Run	-0.0016 ppm	0.0031 ppm	0.0005 ppm	0.0016 ppm	25.3838 ppm	8.0362 ppm	-0.0067 ppm
Concentration per Run	-0.0015 ppm	0.0020 ppm	-0.0004 ppm	0.0012 ppm	25.2739 ppm	8.0195 ppm	-0.0079 ppm
Concentration per Run	-0.0016 ppm	0.0028 ppm	0.0005 ppm	0.0020 ppm	25.9534 ppm	8.1621 ppm	-0.0093 ppm
Concentration RSD	3.2 %	21.0 %	274.5 %	25.2 %	1.4 %	1.0 %	16.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	42.3673 ppm	3.3319 ppm	0.0066 ppm	41.6740 ppm	0.0060 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run	42.2154 ppm	3.2958 ppm	0.0065 ppm	41.3497 ppm	0.0054 ppm	0.0022 ppm	-0.0038 ppm
Concentration per Run	42.1024 ppm	3.3207 ppm	0.0065 ppm	41.3549 ppm	0.0065 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run	42.7840 ppm	3.3793 ppm	0.0067 ppm	42.3174 ppm	0.0060 ppm	-0.0022 ppm	0.0028 ppm
Concentration RSD	0.9 %	1.3 %	1.8 %	1.3 %	9.5 %	3.793.8 %	640.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0030 ppm	15.6217 ppm	-0.0009 ppm	0.8714 ppm	0.0022 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0009 ppm	15.5487 ppm	0.0000 ppm	0.8659 ppm	0.0024 ppm	0.0013 ppm	-0.0004 ppm
Concentration per Run	0.0059 ppm	15.4630 ppm	-0.0020 ppm	0.8696 ppm	0.0004 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0024 ppm	15.8532 ppm	-0.0008 ppm	0.8787 ppm	0.0021 ppm	0.0011 ppm	-0.0001 ppm
Concentration RSD	84.3 %	1.3 %	109.2 %	0.8 %	8.4 %	52.7 %	50.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0021 ppm	93.0290 %	93.9774 %	86.4675 %	92.0348 %	94.7600 %	88.6423 %
Concentration per Run	0.0020 ppm	93.6971 %	95.7471 %	86.9211 %	92.0202 %	94.2077 %	89.2151 %
Concentration per Run	0.0017 ppm	93.5589 %	97.0391 %	86.1454 %	92.8115 %	96.2394 %	88.1210 %
Concentration per Run	0.0024 ppm	91.8310 %	95.1460 %	86.3358 %	91.2727 %	93.8328 %	88.5908 %
Concentration RSD	17.1 %	1.1 %	1.0 %	0.5 %	0.8 %	1.4 %	0.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-12 WG2110450

Analysis started at: 9/12/2025 9:48:39 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 15

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0001 ppm	0.0228 ppm	0.0000 ppm	0.0826 ppm	0.0220 ppm	0.0000 ppm	62.3509 ppm
Concentration per Run	-0.0001 ppm	0.0129 ppm	-0.0005 ppm	0.0834 ppm	0.0215 ppm	-0.0001 ppm	61.1874 ppm
Concentration per Run	0.0001 ppm	0.0364 ppm	0.0015 ppm	0.0832 ppm	0.0220 ppm	0.0000 ppm	62.0151 ppm
Concentration per Run	-0.0002 ppm	0.0191 ppm	-0.0009 ppm	0.0811 ppm	0.0223 ppm	0.0000 ppm	63.8502 ppm
Concentration RSD	302.7 %	53.4 %	3.598.0 %	1.5 %	1.8 %	244.1 %	2.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0007 ppm	0.0013 ppm	0.0013 ppm	0.0013 ppm	0.8106 ppm	6.4906 ppm	-0.0016 ppm
Concentration per Run	-0.0008 ppm	0.0014 ppm	0.0005 ppm	0.0013 ppm	0.7991 ppm	6.4642 ppm	0.0016 ppm
Concentration per Run	-0.0007 ppm	0.0012 ppm	0.0004 ppm	0.0013 ppm	0.7938 ppm	6.3836 ppm	-0.0047 ppm
Concentration per Run	-0.0006 ppm	0.0012 ppm	0.0010 ppm	0.0013 ppm	0.8389 ppm	6.6239 ppm	-0.0018 ppm
Concentration RSD	11.4 %	11.6 %	51.5 %	2.9 %	3.0 %	1.9 %	191.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.8251 ppm	2.7978 ppm	0.0010 ppm	14.7113 ppm	0.0032 ppm	-0.0012 ppm	0.0063 ppm
Concentration per Run	10.8787 ppm	2.7405 ppm	0.0006 ppm	14.5384 ppm	0.0026 ppm	-0.0020 ppm	0.0082 ppm
Concentration per Run	10.7082 ppm	2.7900 ppm	0.0013 ppm	14.6147 ppm	0.0019 ppm	-0.0009 ppm	0.0052 ppm
Concentration per Run	10.8885 ppm	2.8628 ppm	0.0011 ppm	14.9808 ppm	0.0049 ppm	-0.0007 ppm	0.0055 ppm
Concentration RSD	0.9 %	2.2 %	33.1 %	1.6 %	48.9 %	57.7 %	25.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	7.7899 ppm	-0.0008 ppm	0.3419 ppm	0.0012 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0023 ppm	7.8437 ppm	-0.0007 ppm	0.3359 ppm	0.0012 ppm	-0.0002 ppm	-0.0005 ppm
Concentration per Run	-0.0012 ppm	7.7209 ppm	-0.0005 ppm	0.3411 ppm	0.0013 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0019 ppm	7.8050 ppm	-0.0012 ppm	0.3486 ppm	0.0011 ppm	0.0012 ppm	0.0002 ppm
Concentration RSD	199.5 %	0.8 %	43.0 %	1.9 %	9.0 %	192.1 %	183.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0018 ppm	95.8063 %	96.4731 %	90.3822 %	94.7538 %	95.9274 %	90.6717 %
Concentration per Run	0.0021 ppm	94.7887 %	98.0814 %	91.7224 %	93.5473 %	96.3226 %	91.7020 %
Concentration per Run	0.0016 ppm	97.2016 %	96.4154 %	90.8914 %	96.1172 %	97.0189 %	91.2975 %
Concentration per Run	0.0017 ppm	95.4285 %	94.9225 %	88.5329 %	94.5970 %	94.4407 %	89.0155 %
Concentration RSD	16.1 %	1.3 %	1.6 %	1.8 %	1.4 %	1.4 %	1.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-13 WG2110450

Analysis started at: 9/12/2025 9:50:45 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 16

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0071 ppm	-0.0005 ppm	0.0144 ppm	0.0131 ppm	-0.0001 ppm	12.2283 ppm
Concentration per Run	0.0001 ppm	0.0073 ppm	0.0004 ppm	0.0118 ppm	0.0134 ppm	-0.0001 ppm	12.2857 ppm
Concentration per Run	0.0000 ppm	0.0051 ppm	-0.0005 ppm	0.0159 ppm	0.0129 ppm	-0.0001 ppm	12.1540 ppm
Concentration per Run	0.0001 ppm	0.0088 ppm	-0.0015 ppm	0.0156 ppm	0.0130 ppm	-0.0001 ppm	12.2450 ppm
Concentration RSD	97.2 %	28.4 %	180.0 %	15.8 %	2.0 %	23.6 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0005 ppm	0.0006 ppm	0.0014 ppm	0.1349 ppm	2.8366 ppm	-0.0022 ppm
Concentration per Run	-0.0001 ppm	0.0008 ppm	0.0007 ppm	0.0015 ppm	0.1343 ppm	2.8513 ppm	-0.0022 ppm
Concentration per Run	-0.0003 ppm	0.0010 ppm	0.0008 ppm	0.0016 ppm	0.1328 ppm	2.8215 ppm	-0.0015 ppm
Concentration per Run	-0.0003 ppm	-0.0003 ppm	0.0001 ppm	0.0011 ppm	0.1376 ppm	2.8370 ppm	-0.0030 ppm
Concentration RSD	47.5 %	138.7 %	72.6 %	20.9 %	1.8 %	0.5 %	34.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.6502 ppm	0.2829 ppm	-0.0001 ppm	13.5377 ppm	0.0008 ppm	0.0005 ppm	0.0026 ppm
Concentration per Run	2.6489 ppm	0.2840 ppm	0.0001 ppm	13.4942 ppm	0.0018 ppm	0.0011 ppm	-0.0014 ppm
Concentration per Run	2.6536 ppm	0.2810 ppm	0.0005 ppm	13.5637 ppm	0.0001 ppm	0.0002 ppm	0.0052 ppm
Concentration per Run	2.6481 ppm	0.2836 ppm	-0.0008 ppm	13.5551 ppm	0.0006 ppm	0.0003 ppm	0.0041 ppm
Concentration RSD	0.1 %	0.6 %	1,211.8 %	0.3 %	105.4 %	95.0 %	135.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	2.8181 ppm	-0.0009 ppm	0.0784 ppm	-0.0005 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run	0.0033 ppm	2.7987 ppm	-0.0003 ppm	0.0790 ppm	-0.0011 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run	0.0031 ppm	2.8080 ppm	-0.0009 ppm	0.0778 ppm	0.0001 ppm	0.0014 ppm	0.0005 ppm
Concentration per Run	-0.0016 ppm	2.8478 ppm	-0.0016 ppm	0.0784 ppm	-0.0004 ppm	0.0003 ppm	0.0005 ppm
Concentration RSD	174.3 %	0.9 %	71.5 %	0.7 %	136.0 %	59.9 %	94.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0014 ppm	96.7592 %	96.6533 %	93.8994 %	95.8772 %	95.9761 %	92.9541 %
Concentration per Run	0.0013 ppm	97.6507 %	96.3899 %	94.7195 %	96.3347 %	96.4298 %	93.9777 %
Concentration per Run	0.0016 ppm	96.6226 %	96.6614 %	94.8936 %	95.4800 %	95.9349 %	93.6256 %
Concentration per Run	0.0013 ppm	96.0042 %	96.9085 %	92.0852 %	95.8170 %	95.5635 %	91.2590 %
Concentration RSD	14.4 %	0.9 %	0.3 %	1.7 %	0.4 %	0.5 %	1.6 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-14 WG2110450

Analysis started at: 9/12/2025 9:52:51 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 17

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	0.0099 ppm	-0.0003 ppm	0.0130 ppm	0.0128 ppm	-0.0001 ppm	11.6257 ppm
Concentration per Run	0.0002 ppm	0.0104 ppm	-0.0005 ppm	0.0138 ppm	0.0130 ppm	0.0000 ppm	11.6585 ppm
Concentration per Run	0.0002 ppm	0.0145 ppm	-0.0003 ppm	0.0123 ppm	0.0127 ppm	-0.0001 ppm	11.6081 ppm
Concentration per Run	0.0001 ppm	0.0049 ppm	-0.0002 ppm	0.0130 ppm	0.0128 ppm	-0.0001 ppm	11.6107 ppm
Concentration RSD	12.1 %	48.9 %	45.3 %	5.8 %	1.3 %	11.0 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0022 ppm	0.0012 ppm	0.1476 ppm	2.7453 ppm	-0.0029 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0021 ppm	0.0013 ppm	0.1452 ppm	2.7368 ppm	-0.0028 ppm
Concentration per Run	-0.0002 ppm	0.0005 ppm	0.0024 ppm	0.0013 ppm	0.1516 ppm	2.7613 ppm	-0.0040 ppm
Concentration per Run	-0.0003 ppm	0.0000 ppm	0.0022 ppm	0.0011 ppm	0.1461 ppm	2.7378 ppm	-0.0018 ppm
Concentration RSD	39.3 %	84.3 %	7.1 %	8.7 %	2.3 %	0.5 %	39.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.6109 ppm	0.2810 ppm	-0.0004 ppm	13.0104 ppm	0.0002 ppm	0.0003 ppm	0.0013 ppm
Concentration per Run	2.5918 ppm	0.2837 ppm	0.0000 ppm	12.8750 ppm	0.0000 ppm	-0.0008 ppm	0.0033 ppm
Concentration per Run	2.5746 ppm	0.2802 ppm	-0.0006 ppm	13.1068 ppm	0.0000 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run	2.6661 ppm	0.2791 ppm	-0.0005 ppm	13.0496 ppm	0.0006 ppm	-0.0004 ppm	0.0007 ppm
Concentration RSD	1.9 %	0.8 %	82.4 %	0.9 %	163.6 %	501.2 %	127.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0007 ppm	2.7581 ppm	0.0004 ppm	0.0751 ppm	-0.0007 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run	-0.0004 ppm	2.7097 ppm	0.0004 ppm	0.0754 ppm	-0.0008 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0020 ppm	2.7365 ppm	-0.0007 ppm	0.0749 ppm	-0.0005 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	0.0005 ppm	2.8280 ppm	0.0015 ppm	0.0750 ppm	-0.0007 ppm	0.0029 ppm	-0.0001 ppm
Concentration RSD	164.4 %	2.2 %	281.1 %	0.3 %	23.0 %	75.8 %	114.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0014 ppm	96.0423 %	99.2930 %	95.4820 %	95.3240 %	98.0284 %	94.3042 %
Concentration per Run	0.0014 ppm	98.0892 %	98.3642 %	95.0163 %	97.2967 %	99.2125 %	93.5802 %
Concentration per Run	0.0013 ppm	96.3948 %	99.6261 %	94.5686 %	95.8003 %	96.6770 %	93.5234 %
Concentration per Run	0.0015 ppm	93.6428 %	99.8887 %	96.8610 %	92.8750 %	98.1956 %	95.8090 %
Concentration RSD	7.2 %	2.3 %	0.8 %	1.3 %	2.4 %	1.3 %	1.4 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: L2555251-15 WG2110450

Analysis started at: 9/12/2025 9:54:58 PM

Comment: <Comment>

Rack Number: 3

Vial Numbers: 18

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0127 ppm	-0.0015 ppm	0.0139 ppm	0.0129 ppm	-0.0001 ppm	11.8185 ppm
Concentration per Run	0.0002 ppm	0.0146 ppm	-0.0031 ppm	0.0132 ppm	0.0130 ppm	0.0000 ppm	11.8642 ppm
Concentration per Run	0.0000 ppm	0.0180 ppm	-0.0012 ppm	0.0142 ppm	0.0130 ppm	-0.0001 ppm	11.8493 ppm
Concentration per Run	-0.0003 ppm	0.0054 ppm	-0.0001 ppm	0.0142 ppm	0.0127 ppm	0.0000 ppm	11.7421 ppm
Concentration RSD	790.0 %	51.7 %	101.6 %	4.1 %	1.5 %	57.6 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	0.0006 ppm	0.0003 ppm	0.0009 ppm	0.1251 ppm	2.7561 ppm	-0.0020 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	0.0006 ppm	0.0009 ppm	0.1248 ppm	2.7860 ppm	-0.0017 ppm
Concentration per Run	-0.0003 ppm	0.0010 ppm	0.0006 ppm	0.0009 ppm	0.1257 ppm	2.7326 ppm	-0.0007 ppm
Concentration per Run	-0.0002 ppm	0.0005 ppm	-0.0002 ppm	0.0009 ppm	0.1248 ppm	2.7497 ppm	-0.0037 ppm
Concentration RSD	45.6 %	56.0 %	142.0 %	2.1 %	0.4 %	1.0 %	76.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.6747 ppm	0.2769 ppm	0.2769 ppm	13.1878 ppm	0.0003 ppm	-0.0003 ppm	0.0030 ppm
Concentration per Run	2.6710 ppm	0.2790 ppm	-0.0004 ppm	13.0854 ppm	0.0012 ppm	-0.0010 ppm	0.0029 ppm
Concentration per Run	2.7104 ppm	0.2772 ppm	-0.0006 ppm	13.1590 ppm	-0.0004 ppm	0.0002 ppm	0.0023 ppm
Concentration per Run	2.6426 ppm	0.2744 ppm	-0.0002 ppm	13.3190 ppm	0.0002 ppm	0.0000 ppm	0.0039 ppm
Concentration RSD	1.3 %	0.8 %	54.8 %	0.9 %	224.0 %	264.4 %	26.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	2.7998 ppm	-0.0016 ppm	0.0760 ppm	-0.0005 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run	-0.0016 ppm	2.8091 ppm	-0.0018 ppm	0.0769 ppm	-0.0003 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run	-0.0009 ppm	2.8087 ppm	-0.0023 ppm	0.0759 ppm	-0.0005 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	0.0037 ppm	2.7817 ppm	-0.0008 ppm	0.0751 ppm	-0.0006 ppm	0.0009 ppm	0.0001 ppm
Concentration RSD	735.2 %	0.6 %	48.5 %	1.2 %	28.8 %	58.4 %	300.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0013 ppm	95.7804 %	97.9701 %	92.6163 %	94.2645 %	97.6476 %	91.6780 %
Concentration per Run	0.0013 ppm	95.5412 %	97.6058 %	93.1760 %	94.7824 %	98.0318 %	92.2382 %
Concentration per Run	0.0013 ppm	96.8706 %	96.9568 %	90.4902 %	92.3445 %	97.1148 %	89.3987 %
Concentration per Run	0.0014 ppm	96.9293 %	99.3477 %	94.1828 %	95.6664 %	97.7963 %	93.3970 %
Concentration RSD	4.0 %	1.1 %	1.3 %	2.1 %	1.8 %	0.5 %	2.2 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 9:57:04 PM

Analysis started at:

Comment: <Comment>

Rack Number: 0

Vial Numbers: 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5335 ppm	0.5276 ppm	0.5120 ppm	0.4928 ppm	0.5258 ppm	0.5342 ppm	0.5189 ppm
Concentration per Run	0.5143 ppm	0.5406 ppm	0.5179 ppm	0.4727 ppm	0.5402 ppm	0.5485 ppm	0.5338 ppm
Concentration per Run	0.5291 ppm	0.5277 ppm	0.5054 ppm	0.4902 ppm	0.5234 ppm	0.5315 ppm	0.5129 ppm
Concentration per Run	0.5570 ppm	0.5145 ppm	0.5128 ppm	0.5154 ppm	0.5137 ppm	0.5225 ppm	0.5101 ppm
Recovery Percentage	106.692 %	105.519 %	102.407 %	98.553 %	105.152 %	106.832 %	103.790 %
Concentration RSD	4.1 %	2.5 %	1.2 %	4.3 %	2.6 %	2.5 %	2.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5290 ppm	0.5376 ppm	0.5360 ppm	0.5529 ppm	0.5122 ppm	5.3632 ppm	0.5331 ppm
Concentration per Run	0.5102 ppm	0.5130 ppm	0.5146 ppm	0.5289 ppm	0.5253 ppm	5.5348 ppm	0.5476 ppm
Concentration per Run	0.5248 ppm	0.5366 ppm	0.5337 ppm	0.5513 ppm	0.5117 ppm	5.3471 ppm	0.5351 ppm
Concentration per Run	0.5521 ppm	0.5632 ppm	0.5596 ppm	0.5785 ppm	0.4997 ppm	5.2077 ppm	0.5165 ppm
Recovery Percentage	105.806 %	107.527 %	107.192 %	110.581 %	102.444 %	107.264 %	106.614 %
Concentration RSD	4.0 %	4.7 %	4.2 %	4.5 %	2.5 %	3.1 %	2.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5373 ppm	0.5271 ppm	0.5059 ppm	10.7192 ppm	0.5405 ppm	0.5455 ppm	0.5328 ppm
Concentration per Run	0.5152 ppm	0.5430 ppm	0.4876 ppm	11.0374 ppm	0.5181 ppm	0.5517 ppm	0.5105 ppm
Concentration per Run	0.5308 ppm	0.5220 ppm	0.5016 ppm	10.6385 ppm	0.5378 ppm	0.5384 ppm	0.5247 ppm
Concentration per Run	0.5658 ppm	0.5161 ppm	0.5286 ppm	10.4815 ppm	0.5656 ppm	0.5462 ppm	0.5631 ppm
Recovery Percentage	107.456 %	105.410 %	101.179 %	107.192 %	108.100 %	109.091 %	106.557 %
Concentration RSD	4.8 %	2.7 %	4.1 %	2.7 %	4.4 %	1.2 %	5.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.5055 ppm	5.6521 ppm	0.5098 ppm	0.5325 ppm	0.5351 ppm	0.5066 ppm	0.5445 ppm
Concentration per Run	0.5088 ppm	5.4354 ppm	0.4966 ppm	0.5463 ppm	0.5150 ppm	0.5116 ppm	0.5218 ppm
Concentration per Run	0.5016 ppm	5.6142 ppm	0.5047 ppm	0.5301 ppm	0.5300 ppm	0.5039 ppm	0.5418 ppm
Concentration per Run	0.5061 ppm	5.9065 ppm	0.5282 ppm	0.5210 ppm	0.5603 ppm	0.5044 ppm	0.5700 ppm
Recovery Percentage	101.098 %	107.658 %	101.965 %	106.490 %	107.019 %	101.326 %	108.908 %
Concentration RSD	0.7 %	4.2 %	3.2 %	2.4 %	4.3 %	0.8 %	4.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5030 ppm	93.9908 %	95.1165 %	92.0695 %	92.4832 %	94.9284 %	91.1172 %
Concentration per Run	0.4833 ppm	96.5373 %	92.8719 %	91.5108 %	94.4200 %	92.5378 %	90.6056 %
Concentration per Run	0.4995 ppm	95.0535 %	95.7949 %	92.0822 %	93.9673 %	95.3307 %	91.2026 %
Concentration per Run	0.5262 ppm	90.3817 %	96.6826 %	92.6153 %	89.0622 %	96.9167 %	91.5434 %
Recovery Percentage	100.594 %						
Concentration RSD	4.3 %	3.4 %	2.1 %	0.6 %	3.2 %	2.3 %	0.5 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample: 9/12/2025 9:59:10 PM

Analysis started at:

Comment

Rack Number

Vial Numbers

0

4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0004 ppm	0.0086 ppm	-0.0008 ppm	0.0019 ppm	-0.0001 ppm	0.0002 ppm	-0.0081 ppm
Concentration per Run	-0.0007 ppm	0.0091 ppm	-0.0019 ppm	0.0028 ppm	-0.0001 ppm	0.0000 ppm	-0.0094 ppm
Concentration per Run	-0.0005 ppm	0.0041 ppm	-0.0022 ppm	0.0012 ppm	-0.0001 ppm	0.0002 ppm	-0.0091 ppm
Concentration per Run	0.0001 ppm	0.0127 ppm	0.0017 ppm	0.0018 ppm	0.0001 ppm	0.0003 ppm	-0.0057 ppm
Recovery Percentage	-5.319 %	8.617 %	-15.566 %	6.396 %	-6.611 %	4.104 %	-8.061 %
Concentration RSD	118.5 %	49.7 %	277.6 %	43.0 %	167.7 %	73.5 %	25.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	-0.0005 ppm	0.0138 ppm	-0.0026 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0007 ppm	-0.0005 ppm	0.0001 ppm	0.0424 ppm	-0.0031 ppm
Concentration per Run	-0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0003 ppm	-0.0006 ppm	0.0096 ppm	-0.0011 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0009 ppm	-0.0107 ppm	-0.0035 ppm
Recovery Percentage	0.094 %	0.834 %	4.146 %	-0.186 %	-0.958 %	0.552 %	-51.080 %
Concentration RSD	1,853.6 %	56.1 %	92.3 %	2,251.4 %	113.3 %	194.0 %	51.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0037 ppm	0.0002 ppm	0.0002 ppm	0.0042 ppm	0.0003 ppm	-0.0004 ppm	0.0043 ppm
Concentration per Run	-0.0041 ppm	0.0002 ppm	-0.0001 ppm	0.0010 ppm	0.0009 ppm	-0.0012 ppm	0.0039 ppm
Concentration per Run	-0.0054 ppm	0.0000 ppm	-0.0005 ppm	0.0075 ppm	0.0003 ppm	0.0006 ppm	0.0080 ppm
Concentration per Run	-0.0016 ppm	0.0002 ppm	0.0000 ppm	0.0041 ppm	-0.0004 ppm	-0.0007 ppm	0.0003 ppm
Recovery Percentage	-3.687 %	1.623 %	-0.455 %	0.210 %	1.028 %	-4.354 %	8.556 %
Concentration RSD	51.5 %	77.8 %	106.5 %	77.0 %	263.8 %	208.5 %	82.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0010 ppm	-0.0005 ppm	0.0000 ppm	0.0001 ppm	-0.0008 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0018 ppm	-0.0003 ppm	0.0003 ppm	-0.0001 ppm	-0.0007 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run	0.0018 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0005 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run	-0.0006 ppm	-0.0005 ppm	-0.0003 ppm	0.0003 ppm	-0.0011 ppm	-0.0008 ppm	0.0001 ppm
Recovery Percentage	9.823 %	-0.096 %	-0.041 %	0.717 %	-7.554 %	1.190 %	-0.928 %
Concentration RSD	143.5 %	92.7 %	1,350.9 %	274.4 %	41.8 %	452.3 %	225.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0003 ppm	91.2589 %	93.7715 %	91.3143 %	91.9583 %	94.5884 %	91.6160 %
Concentration per Run	-0.0003 ppm	91.4375 %	93.4341 %	91.3404 %	92.1031 %	92.6135 %	91.6188 %
Concentration per Run	-0.0004 ppm	91.1120 %	95.3909 %	91.0232 %	92.5883 %	96.8243 %	91.5042 %
Concentration per Run	-0.0004 ppm	91.2273 %	92.4893 %	91.5795 %	91.2035 %	94.3274 %	91.7249 %
Recovery Percentage	-6.797 %	0.2 %	1.6 %	0.3 %	0.8 %	2.2 %	0.1 %
Concentration RSD	20.7 %						

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

Sample: xCCB

Analysis started at: 9/12/2025 10:01:16 PM

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Rack Number: 0

Vial Numbers: 4

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0001 ppm	0.0057 ppm	-0.0006 ppm	0.0020 ppm	-0.0002 ppm	-0.0001 ppm	-0.0041 ppm
Concentration per Run	-0.0001 ppm	0.0103 ppm	-0.0011 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0044 ppm
Concentration per Run	-0.0001 ppm	-0.0015 ppm	-0.0003 ppm	0.0023 ppm	-0.0003 ppm	-0.0001 ppm	-0.0032 ppm
Concentration per Run	0.0003 ppm	0.0084 ppm	-0.0004 ppm	0.0013 ppm	-0.0003 ppm	-0.0001 ppm	-0.0047 ppm
Recovery Percentage	0.786 %	5.695 %	-11.645 %	6.567 %	-1.932 %	-1.415 %	-4.105 %
Concentration RSD	386.1 %	111.4 %	74.5 %	28.4 %	93.8 %	61.1 %	19.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0002 ppm	0.0006 ppm	0.0208 ppm	-0.0020 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0005 ppm	-0.0008 ppm	0.0130 ppm	-0.0028 ppm
Concentration per Run	-0.0002 ppm	0.0003 ppm	0.0009 ppm	0.0003 ppm	0.0014 ppm	0.0147 ppm	-0.0030 ppm
Concentration per Run	-0.0001 ppm	0.0009 ppm	0.0001 ppm	-0.0002 ppm	0.0013 ppm	0.0345 ppm	-0.0005 ppm
Recovery Percentage	-1.421 %	2.366 %	4.888 %	1.755 %	1.279 %	0.830 %	-40.767 %
Concentration RSD	134.5 %	86.3 %	74.2 %	215.4 %	193.3 %	57.7 %	65.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0012 ppm	-0.0002 ppm	-0.0004 ppm	0.0009 ppm	-0.0005 ppm	-0.0003 ppm	0.0017 ppm
Concentration per Run	-0.0022 ppm	-0.0002 ppm	-0.0003 ppm	0.0072 ppm	-0.0004 ppm	0.0003 ppm	0.0021 ppm
Concentration per Run	-0.0004 ppm	0.0001 ppm	-0.0007 ppm	-0.0023 ppm	-0.0001 ppm	-0.0009 ppm	0.0016 ppm
Concentration per Run	-0.0009 ppm	-0.0003 ppm	-0.0002 ppm	-0.0023 ppm	-0.0008 ppm	-0.0002 ppm	0.0016 ppm
Recovery Percentage	-1.193 %	-1.513 %	-0.783 %	0.044 %	-1.842 %	-2.578 %	3.487 %
Concentration RSD	78.8 %	128.1 %	68.3 %	621.6 %	81.0 %	235.2 %	16.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	-0.0026 ppm	-0.0008 ppm	-0.0001 ppm	-0.0006 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	-0.0035 ppm	-0.0026 ppm	-0.0016 ppm	-0.0001 ppm	-0.0010 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run	-0.0011 ppm	-0.0020 ppm	0.0002 ppm	-0.0001 ppm	-0.0005 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run	0.0046 ppm	-0.0033 ppm	-0.0010 ppm	0.0001 ppm	-0.0004 ppm	0.0015 ppm	-0.0004 ppm
Recovery Percentage	-0.212 %	-0.525 %	-1.599 %	-0.529 %	-6.043 %	2.933 %	-1.775 %
Concentration RSD	19.704.5 %	25.5 %	114.9 %	248.4 %	53.9 %	150.9 %	134.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0004 ppm	90.5909 %	89.8047 %	88.4063 %	91.7011 %	90.4305 %	88.8306 %
Concentration per Run	-0.0001 ppm	89.5080 %	88.4323 %	89.7886 %	90.8006 %	89.9649 %	90.4983 %
Concentration per Run	-0.0004 ppm	90.5617 %	91.2225 %	88.3879 %	91.9031 %	91.2869 %	88.6419 %
Concentration per Run	-0.0006 ppm	91.7031 %	89.7592 %	87.0425 %	92.3997 %	90.0396 %	87.3516 %
Recovery Percentage	-7.604 %						
Concentration RSD	56.8 %	1.2 %	1.6 %	1.6 %	0.9 %	0.8 %	1.8 %

ICP DataTrace 11

9/13/2025 9:30:42 AM



LabBook: WG2113852_20250912_T11.imexp

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Sample:

Analysis started at: 9/12/2025 10:03:23 PM

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Rack Number 0

Vial Numbers 3

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5348 ppm	0.5279 ppm	0.5079 ppm	0.4967 ppm	0.5404 ppm	0.5511 ppm	0.5326 ppm
Concentration per Run	0.5256 ppm	0.5394 ppm	0.5233 ppm	0.4809 ppm	0.5233 ppm	0.5524 ppm	0.5355 ppm
Concentration per Run	0.5344 ppm	0.5284 ppm	0.5024 ppm	0.5025 ppm	0.5306 ppm	0.5411 ppm	0.5217 ppm
Concentration per Run	0.5443 ppm	0.5160 ppm	0.4979 ppm	0.5068 ppm	0.5489 ppm	0.5597 ppm	0.5405 ppm
Recovery Percentage	106.958 %	105.587 %	101.577 %	99.348 %	108.087 %	110.217 %	106.513 %
Concentration RSD	1.8 %	2.2 %	2.7 %	2.8 %	1.7 %	1.7 %	1.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5318 ppm	0.5431 ppm	0.5400 ppm	0.5558 ppm	0.5337 ppm	5.5738 ppm	0.5514 ppm
Concentration per Run	0.5207 ppm	0.5332 ppm	0.5310 ppm	0.5465 ppm	0.5378 ppm	5.6140 ppm	0.5576 ppm
Concentration per Run	0.5323 ppm	0.5483 ppm	0.5406 ppm	0.5564 ppm	0.5259 ppm	5.4641 ppm	0.5395 ppm
Concentration per Run	0.5424 ppm	0.5483 ppm	0.5483 ppm	0.5644 ppm	0.5374 ppm	5.6433 ppm	0.5573 ppm
Recovery Percentage	106.359 %	108.610 %	107.992 %	111.153 %	106.737 %	111.475 %	110.289 %
Concentration RSD	2.0 %	1.6 %	1.6 %	1.6 %	1.3 %	1.7 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5385 ppm	0.5439 ppm	0.5081 ppm	11.0084 ppm	0.5447 ppm	0.5429 ppm	0.5395 ppm
Concentration per Run	0.5287 ppm	0.5453 ppm	0.5002 ppm	11.1067 ppm	0.5345 ppm	0.5573 ppm	0.5256 ppm
Concentration per Run	0.5351 ppm	0.5350 ppm	0.5099 ppm	10.8505 ppm	0.5456 ppm	0.5390 ppm	0.5428 ppm
Concentration per Run	0.5515 ppm	0.5514 ppm	0.5171 ppm	11.0678 ppm	0.5541 ppm	0.5323 ppm	0.5502 ppm
Recovery Percentage	107.694 %	108.777 %	101.813 %	110.084 %	108.947 %	108.579 %	107.900 %
Concentration RSD	2.2 %	1.5 %	1.7 %	1.3 %	1.8 %	2.4 %	2.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5012 ppm	5.6655 ppm	0.5065 ppm	0.5465 ppm	0.5352 ppm	0.5066 ppm	0.5480 ppm
Concentration per Run	0.5141 ppm	5.4942 ppm	0.4947 ppm	0.5493 ppm	0.5237 ppm	0.5207 ppm	0.5387 ppm
Concentration per Run	0.4971 ppm	5.6755 ppm	0.5070 ppm	0.5367 ppm	0.5337 ppm	0.5012 ppm	0.5488 ppm
Concentration per Run	0.4923 ppm	5.7720 ppm	0.5178 ppm	0.5534 ppm	0.5484 ppm	0.4979 ppm	0.5564 ppm
Recovery Percentage	100.240 %	107.915 %	101.297 %	109.294 %	107.047 %	101.311 %	109.598 %
Concentration RSD	2.3 %	2.0 %	2.3 %	1.6 %	2.3 %	2.4 %	1.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5052 ppm	93.9050 %	92.2480 %	92.2629 %	92.8750 %	91.0625 %	91.3631 %
Concentration per Run	0.4934 ppm	96.1140 %	92.2747 %	90.3893 %	94.8582 %	90.5815 %	89.3928 %
Concentration per Run	0.5064 ppm	93.4946 %	93.5366 %	93.0205 %	92.7189 %	92.2160 %	92.0019 %
Concentration per Run	0.5156 ppm	92.1063 %	90.9328 %	93.3788 %	91.0479 %	90.3901 %	92.6945 %
Recovery Percentage	101.033 %						
Concentration RSD	2.2 %	2.2 %	1.4 %	1.8 %	2.1 %	1.1 %	1.9 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: Blank EFM Trace9

Analysis started at: 9/12/2025 6:33:47 AM

Rack

Vial 0

Comment 1

<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.3 %	-0.5 %	-2.1 %	-0.1 %	0.4 %	-0.2 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-11.9 %	0.2 %	-0.3 %	-0.1 %	1.7 %	-0.1 %	-0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.3 %	0.5 %	-1.5 %	-1.6 %	0.4 %	4.4 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.9 %	0.1 %	0.4 %	1.2 %	-1.3 %	8.7 %	0.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.1 %	0.0 %	0.0 %	0.1 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: ICAL
Analysis started at: 9/12/2025 6:37:10 AM
Rack 0
Vial 2
Comment <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9993 ppm	25.1594 ppm	0.9973 ppm	1.0048 ppm	1.0061 ppm	1.0061 ppm	9.9812 ppm
Concentration per Run 2	1.0017 ppm	24.9275 ppm	0.9994 ppm	1.0017 ppm	1.0009 ppm	0.9998 ppm	9.9829 ppm
Concentration per Run 3	0.9990 ppm	24.9131 ppm	1.0033 ppm	0.9958 ppm	0.9942 ppm	0.9941 ppm	10.0359 ppm
Concentration RSD	0.2 %	0.6 %	0.3 %	0.4 %	0.5 %	0.6 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9986 ppm	0.9971 ppm	0.9966 ppm	0.9989 ppm	25.2294 ppm	35.1734 ppm	1.0084 ppm
Concentration per Run 2	0.9992 ppm	1.0015 ppm	0.9999 ppm	0.9999 ppm	24.8297 ppm	34.9224 ppm	0.9973 ppm
Concentration per Run 3	1.0022 ppm	1.0015 ppm	1.0019 ppm	1.0012 ppm	24.9409 ppm	34.9042 ppm	0.9943 ppm
Concentration RSD	0.2 %	0.3 %	0.3 %	0.1 %	0.8 %	0.4 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.0123 ppm	0.9991 ppm	0.9936 ppm	25.2266 ppm	0.9986 ppm	0.9954 ppm	1.0033 ppm
Concentration per Run 2	9.9533 ppm	1.0008 ppm	0.9957 ppm	24.7459 ppm	0.9990 ppm	1.0090 ppm	1.0050 ppm
Concentration per Run 3	10.0345 ppm	1.0001 ppm	1.0107 ppm	25.0275 ppm	1.0024 ppm	0.9957 ppm	0.9917 ppm
Concentration RSD	0.4 %	0.1 %	0.9 %	1.0 %	0.2 %	0.8 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0008 ppm	9.9759 ppm	0.9921 ppm	1.0075 ppm	0.9969 ppm	0.9934 ppm	0.9985 ppm
Concentration per Run 2	1.0083 ppm	9.9826 ppm	1.0034 ppm	1.0034 ppm	1.0015 ppm	1.0133 ppm	0.9962 ppm
Concentration per Run 3	0.9909 ppm	10.0415 ppm	1.0011 ppm	0.9891 ppm	1.0016 ppm	0.9934 ppm	1.0053 ppm
Concentration RSD	0.9 %	0.4 %	0.7 %	1.0 %	0.3 %	1.1 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0000 ppm	101.1283 %	101.8731 %	104.4186 %	99.8186 %	99.6872 %	102.6482 %
Concentration per Run 1	0.9951 ppm	101.3575 %	101.7911 %	104.1098 %	99.3716 %	99.7422 %	101.9717 %
Concentration per Run 2	1.0018 ppm	101.2334 %	102.0020 %	103.9690 %	100.2103 %	100.1470 %	102.8009 %
Concentration per Run 3	1.0031 ppm	100.7938 %	101.8262 %	105.1772 %	99.8740 %	99.1723 %	103.1719 %
Concentration RSD	0.4 %	0.3 %	0.1 %	0.6 %	0.4 %	0.5 %	0.6 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: ICV

Analysis started at: 9/12/2025 6:40:24 AM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4931 ppm	0.5008 ppm	0.4947 ppm	0.5017 ppm	0.5031 ppm	0.5166 ppm	0.5029 ppm
Concentration per Run 1	0.4927 ppm	0.4822 ppm	0.4998 ppm	0.5000 ppm	0.5152 ppm	0.4992 ppm	0.4992 ppm
Concentration per Run 2	0.4945 ppm	0.5119 ppm	0.4937 ppm	0.5034 ppm	0.5064 ppm	0.5188 ppm	0.5074 ppm
Concentration per Run 3	0.4922 ppm	0.5083 ppm	0.4907 ppm	0.5016 ppm	0.5024 ppm	0.5157 ppm	0.5022 ppm
Recovery Percentage 1	98.623 %	100.163 %	98.948 %	100.336 %	100.616 %	103.316 %	100.584 %
Concentration RSD	0.3 %	3.2 %	0.9 %	0.3 %	0.6 %	0.4 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5139 ppm	0.5162 ppm	0.5101 ppm	0.5060 ppm	0.5086 ppm	5.2401 ppm	0.5212 ppm
Concentration per Run 1	0.5130 ppm	0.5164 ppm	0.5100 ppm	0.5093 ppm	0.5071 ppm	5.2314 ppm	0.5149 ppm
Concentration per Run 2	0.5163 ppm	0.5180 ppm	0.5106 ppm	0.5030 ppm	0.5104 ppm	5.2706 ppm	0.5256 ppm
Concentration per Run 3	0.5125 ppm	0.5141 ppm	0.5096 ppm	0.5057 ppm	0.5082 ppm	5.2183 ppm	0.5231 ppm
Recovery Percentage 1	102.782 %	103.233 %	102.012 %	101.198 %	101.711 %	104.803 %	104.240 %
Concentration RSD	0.4 %	0.4 %	0.1 %	0.6 %	0.3 %	0.5 %	1.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5002 ppm	0.5179 ppm	0.5132 ppm	10.3326 ppm	0.5116 ppm	0.5158 ppm	0.5175 ppm
Concentration per Run 1	0.4998 ppm	0.5124 ppm	0.5107 ppm	10.3194 ppm	0.5124 ppm	0.5172 ppm	0.5137 ppm
Concentration per Run 2	0.4996 ppm	0.5201 ppm	0.5177 ppm	10.4327 ppm	0.5129 ppm	0.5141 ppm	0.5150 ppm
Concentration per Run 3	0.5010 ppm	0.5211 ppm	0.5112 ppm	10.2457 ppm	0.5095 ppm	0.5160 ppm	0.5237 ppm
Recovery Percentage 1	100.030 %	103.571 %	102.645 %	103.326 %	102.324 %	103.157 %	103.494 %
Concentration RSD	0.2 %	0.9 %	0.8 %	0.9 %	0.4 %	0.3 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5024 ppm	5.3955 ppm	0.5049 ppm	0.5058 ppm	0.5040 ppm	0.5015 ppm	0.5129 ppm
Concentration per Run 1	0.5054 ppm	5.3653 ppm	0.5059 ppm	0.5030 ppm	0.5111 ppm	0.5111 ppm	0.5131 ppm
Concentration per Run 2	0.5030 ppm	5.4422 ppm	0.5030 ppm	0.5089 ppm	0.5043 ppm	0.4909 ppm	0.5130 ppm
Concentration per Run 3	0.4988 ppm	5.3788 ppm	0.5057 ppm	0.5057 ppm	0.5027 ppm	0.5025 ppm	0.5125 ppm
Recovery Percentage 1	100.483 %	102.771 %	100.974 %	101.170 %	100.805 %	100.300 %	102.570 %
Concentration RSD	0.7 %	0.8 %	0.3 %	0.6 %	0.2 %	2.0 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5183 ppm	99.3221 %	101.4285 %	103.7642 %	98.8336 %	100.3359 %	102.8764 %
Concentration per Run 1	0.5183 ppm	98.2020 %	102.4552 %	102.9273 %	97.7395 %	100.9562 %	102.4488 %
Concentration per Run 2	0.5191 ppm	99.6920 %	100.1138 %	104.0867 %	99.3405 %	99.3045 %	102.9179 %
Concentration per Run 3	0.5174 ppm	100.0722 %	101.7164 %	104.2785 %	99.4209 %	100.7470 %	103.2623 %
Recovery Percentage 1	103.654 %	1.0 %	1.2 %	0.7 %	1.0 %	0.9 %	0.4 %
Concentration RSD	0.2 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: ICB
Analysis started at: 9/12/2025 6:43:38 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0006 ppm	-0.0009 ppm	-0.0009 ppm	0.0029 ppm	0.0002 ppm	0.0001 ppm	-0.0022 ppm
Concentration per Run 1	-0.0013 ppm	0.0070 ppm	0.0022 ppm	0.0069 ppm	0.0002 ppm	0.0001 ppm	-0.0054 ppm
Concentration per Run 2	-0.0004 ppm	-0.0011 ppm	0.0023 ppm	-0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	-0.0086 ppm	-0.0038 ppm	0.0021 ppm	0.0002 ppm	0.0001 ppm	-0.0015 ppm
Recovery Percentage 1	-8.694 %	-0.903 %	4.868 %	9.627 %	2.360 %	2.159 %	-2.224 %
Concentration RSD	104.2 %	862.9 %	1,445.1 %	127.5 %	7.3 %	53.6 %	129.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	-0.0006 ppm	-0.0006 ppm	0.0004 ppm	0.0002 ppm	0.0115 ppm	0.0000 ppm
Concentration per Run 1	0.0002 ppm	-0.0008 ppm	-0.0008 ppm	-0.0007 ppm	0.0005 ppm	0.0244 ppm	-0.0011 ppm
Concentration per Run 2	0.0005 ppm	-0.0006 ppm	-0.0005 ppm	0.0014 ppm	0.0027 ppm	0.0036 ppm	0.0009 ppm
Concentration per Run 3	-0.0003 ppm	-0.0005 ppm	-0.0005 ppm	0.0007 ppm	0.0016 ppm	0.0066 ppm	0.0002 ppm
Recovery Percentage 1	3.025 %	-3.249 %	1.823 %	1.823 %	4.019 %	0.460 %	0.304 %
Concentration RSD	274.6 %	22.0 %	536.9 %	31.4 %	97.5 %	6,791.5 %	6,791.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0017 ppm	0.0000 ppm	0.0000 ppm	-0.0033 ppm	-0.0020 ppm	-0.0001 ppm	-0.0044 ppm
Concentration per Run 1	-0.0034 ppm	-0.0002 ppm	-0.0002 ppm	-0.0030 ppm	-0.0043 ppm	-0.0002 ppm	0.0010 ppm
Concentration per Run 2	0.0049 ppm	0.0002 ppm	0.0028 ppm	-0.0078 ppm	0.0012 ppm	0.0030 ppm	-0.0121 ppm
Concentration per Run 3	0.0036 ppm	0.0000 ppm	0.0043 ppm	-0.0058 ppm	-0.0029 ppm	-0.0032 ppm	-0.0020 ppm
Recovery Percentage 1	1.666 %	-0.210 %	6.615 %	-0.277 %	-7.926 %	-1.181 %	-8.791 %
Concentration RSD	266.8 %	1,068.1 %	26.4 %	44.1 %	144.2 %	2,638.9 %	156.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0023 ppm	-0.0020 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run 1	-0.0030 ppm	0.0004 ppm	-0.0011 ppm	0.0001 ppm	0.0004 ppm	0.0015 ppm	0.0008 ppm
Concentration per Run 2	-0.0005 ppm	-0.0081 ppm	0.0020 ppm	-0.0001 ppm	-0.0008 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 3	-0.0035 ppm	0.0017 ppm	-0.0018 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	-0.0013 ppm
Recovery Percentage 1	-23.253 %	-0.401 %	-0.617 %	0.301 %	0.139 %	3.747 %	-1.891 %
Concentration RSD	69.3 %	266.2 %	648.4 %	250.6 %	4,919.7 %	116.8 %	564.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0002 ppm	97.6751 %	99.8931 %	102.2989 %	99.2498 %	100.0207 %	102.5567 %
Concentration per Run 1	0.0002 ppm	97.9024 %	100.0515 %	101.4402 %	99.2530 %	99.8180 %	101.9170 %
Concentration per Run 2	-0.0007 ppm	97.9311 %	99.1005 %	102.6475 %	99.7020 %	99.3685 %	102.2418 %
Concentration per Run 3	-0.0002 ppm	97.1918 %	100.5272 %	102.8089 %	98.7943 %	100.8755 %	103.5114 %
Recovery Percentage 1	-4.665 %	0.4 %	0.7 %	0.7 %	0.5 %	0.8 %	0.8 %
Concentration RSD	203.2 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: LLOQ

Analysis started at: 9/12/2025 7:01:32 AM

Rack 0

Vial 5

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-eFR	As 189.042 Axial-eUV	B 208.959 Axial-eFR	Ba 455.403 Radial-eFR	Be 313.042 Radial-eFR	Ca 315.887 Radial-eFR
Concentration average	0.0053 ppm	0.0990 ppm	0.0057 ppm	0.0320 ppm	0.0102 ppm	0.0051 ppm	0.0966 ppm
Concentration per Run 1	0.0052 ppm	0.0843 ppm	0.0048 ppm	0.0299 ppm	0.0101 ppm	0.0052 ppm	0.0987 ppm
Concentration per Run 2	0.0051 ppm	0.1106 ppm	0.0085 ppm	0.0319 ppm	0.0104 ppm	0.0051 ppm	0.0961 ppm
Concentration per Run 3	0.0056 ppm	0.1020 ppm	0.0038 ppm	0.0342 ppm	0.0102 ppm	0.0051 ppm	0.0951 ppm
Recovery Percentage 1	105.901 %	98.952 %	113.868 %	106.753 %	102.052 %	102.783 %	96.626 %
Concentration RSD	4.6 %	13.6 %	43.8 %	6.7 %	1.5 %	0.7 %	1.9 %

	Cd 214.438 Axial-eFR	Co 228.616 Axial-eFR	Cr 267.716 Axial-eFR	Cu 324.754 Axial-eFR	Fe 259.940 Radial-eFR	K 766.490 Radial-eFR	Li 670.776 Radial-eFR
Concentration average	0.0041 ppm	0.0103 ppm	0.0090 ppm	0.0101 ppm	0.0541 ppm	2.6416 ppm	0.0119 ppm
Concentration per Run 1	0.0042 ppm	0.0105 ppm	0.0081 ppm	0.0098 ppm	0.0537 ppm	2.6403 ppm	0.0132 ppm
Concentration per Run 2	0.0040 ppm	0.0092 ppm	0.0103 ppm	0.0100 ppm	0.0547 ppm	2.6364 ppm	0.0118 ppm
Concentration per Run 3	0.0039 ppm	0.0112 ppm	0.0086 ppm	0.0103 ppm	0.0537 ppm	2.6482 ppm	0.0108 ppm
Recovery Percentage 1	101.534 %	102.917 %	89.785 %	100.516 %	108.117 %	105.665 %	119.312 %
Concentration RSD	3.5 %	9.8 %	12.7 %	2.6 %	1.1 %	0.2 %	9.8 %

	Mg 279.079 Axial-eFR	Mn 257.610 Radial-eFR	Mo 202.030 Axial-eFR	Na 589.592 Radial-eFR	Ni 231.604 Axial-eFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-eFR
Concentration average	0.1021 ppm	0.0101 ppm	0.0497 ppm	2.0626 ppm	0.0163 ppm	0.0098 ppm	0.0461 ppm
Concentration per Run 1	0.1012 ppm	0.0101 ppm	0.0498 ppm	2.0693 ppm	0.0172 ppm	0.0124 ppm	0.0541 ppm
Concentration per Run 2	0.1042 ppm	0.0101 ppm	0.0484 ppm	2.0585 ppm	0.0152 ppm	0.0060 ppm	0.0446 ppm
Concentration per Run 3	0.1008 ppm	0.0101 ppm	0.0510 ppm	2.0600 ppm	0.0166 ppm	0.0110 ppm	0.0397 ppm
Recovery Percentage 1	102.078 %	101.103 %	99.478 %	103.130 %	81.721 %	98.039 %	92.289 %
Concentration RSD	1.8 %	0.2 %	2.6 %	0.3 %	6.2 %	34.7 %	16.0 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-eFR	Sn 189.989 Axial-eFR	Sr 421.552 Radial-eFR	Ti 334.904 Axial-eFR	Tl 190.856 Axial-eUV	V 292.402 Axial-eFR
Concentration average	0.0100 ppm	0.5036 ppm	0.0544 ppm	0.0100 ppm	0.0098 ppm	0.0200 ppm	0.0098 ppm
Concentration per Run 1	0.0127 ppm	0.4969 ppm	0.0521 ppm	0.0101 ppm	0.0091 ppm	0.0216 ppm	0.0108 ppm
Concentration per Run 2	0.0081 ppm	0.5038 ppm	0.0562 ppm	0.0101 ppm	0.0097 ppm	0.0232 ppm	0.0094 ppm
Concentration per Run 3	0.0091 ppm	0.5100 ppm	0.0550 ppm	0.0100 ppm	0.0105 ppm	0.0151 ppm	0.0091 ppm
Recovery Percentage 1	99.828 %	100.712 %	108.842 %	100.423 %	97.594 %	99.909 %	97.775 %
Concentration RSD	24.3 %	1.3 %	3.9 %	0.4 %	7.0 %	21.4 %	9.4 %

	Zn 206.200 Axial-eFR	Sc 361.384 Axial-eFR	Sc 361.384 Radial-eFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-eFR	Y 371.030 Radial-eFR	Y 224.306 Axial-eUV
Concentration average	0.0047 ppm	100.3325 %	102.4088 %	104.0147 %	100.1110 %	101.0895 %	103.8508 %
Concentration per Run 1	0.0045 ppm	99.9794 %	103.3248 %	103.2967 %	99.8081 %	101.8291 %	102.9023 %
Concentration per Run 2	0.0049 ppm	101.6487 %	101.4287 %	104.6525 %	100.4724 %	100.5754 %	104.4989 %
Concentration per Run 3	0.0047 ppm	100.3734 %	102.4729 %	104.0949 %	100.0524 %	100.8639 %	104.1512 %
Recovery Percentage 1	94.234 %	0.3 %	0.9 %	0.7 %	0.3 %	0.6 %	0.8 %
Concentration RSD	4.2 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: ICSA
Analysis started at: 9/12/2025 7:04:53 AM
Rack 0
Vial 6
Comment LDR +/-10%

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0024 ppm	502.9505 [SIC 500]	0.0005 ppm	-0.0071 ppm	0.0021 ppm	0.0001 ppm	473.2216 ppm
Concentration per Run 1	0.0014 ppm	502.9841 ppm	0.0002 ppm	-0.0058 ppm	0.0021 ppm	0.0001 ppm	472.4826 ppm
Concentration per Run 2	0.0031 ppm	503.8968 ppm	0.0018 ppm	-0.0091 ppm	0.0022 ppm	0.0000 ppm	472.6757 ppm
Concentration per Run 3	0.0026 ppm	501.9707 ppm	-0.0006 ppm	-0.0064 ppm	0.0020 ppm	0.0001 ppm	474.5064 ppm
Recovery Percentage 1	33.979 %	9.331 %	-23.771 %	24.8 %	20.969 %	1.870 %	
Concentration RSD	35.9 %	0.2 %	265.6 %		5.9 %	75.6 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0037 ppm	-0.0015 ppm	0.0011 ppm	0.0041 ppm	182.9268 ppm	-0.0425 ppm	-0.0020 ppm
Concentration per Run 1	-0.0040 ppm	-0.0022 ppm	0.0013 ppm	0.0050 ppm	183.0675 ppm	-0.0574 ppm	-0.0018 ppm
Concentration per Run 2	-0.0038 ppm	-0.0019 ppm	0.0005 ppm	0.0019 ppm	183.1621 ppm	-0.0362 ppm	-0.0002 ppm
Concentration per Run 3	-0.0033 ppm	-0.0004 ppm	0.0014 ppm	0.0054 ppm	182.5509 ppm	-0.0337 ppm	-0.0042 ppm
Recovery Percentage 1	-74.158 %	-7.425 %	10.606 %	40.994 %	-1.698 %	-1.698 %	-40.812 %
Concentration RSD	9.1 %	66.6 %	44.0 %	45.9 %	0.2 %	30.6 %	99.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	501.2277 [SIC 700]	-0.0004 ppm	-0.0011 ppm	0.0056 ppm	-0.0003 ppm	0.0005 ppm	-0.0206 ppm
Concentration per Run 1	501.5221 ppm	-0.0004 ppm	-0.0024 ppm	0.0045 ppm	-0.0004 ppm	-0.0004 ppm	-0.0165 ppm
Concentration per Run 2	502.5849 ppm	-0.0005 ppm	0.0009 ppm	0.0009 ppm	-0.0017 ppm	0.0055 ppm	-0.0207 ppm
Concentration per Run 3	499.5760 ppm	-0.0004 ppm	-0.0018 ppm	0.0115 ppm	0.0011 ppm	-0.0037 ppm	-0.0248 ppm
Recovery Percentage 1		-4.474 %	-2.166 %	0.282 %	-1.325 %	4.894 %	-41.265 %
Concentration RSD	0.3 %	13.7 %	160.1 %	96.0 %	428.8 %	945.1 %	20.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	-0.0016 ppm	0.0090 ppm	0.0016 ppm	0.0058 ppm	-0.0015 ppm	0.0024 ppm	-0.0034 ppm
Concentration per Run 1	-0.0008 ppm	0.0119 ppm	0.0020 ppm	0.0058 ppm	-0.0010 ppm	0.0094 ppm	-0.0041 ppm
Concentration per Run 2	-0.0056 ppm	0.0029 ppm	0.0009 ppm	0.0059 ppm	-0.0013 ppm	0.0007 ppm	-0.0035 ppm
Concentration per Run 3	0.0016 ppm	0.0123 ppm	0.0018 ppm	0.0056 ppm	-0.0021 ppm	-0.0029 ppm	-0.0027 ppm
Recovery Percentage 1	-15.965 %	1.809 %	3.193 %	57.612 %	-14.657 %	11.865 %	-34.460 %
Concentration RSD	229.6 %	58.6 %	37.1 %	2.6 %	40.0 %	267.5 %	19.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0054 ppm	95.9152 %	96.2787 %	91.8615 %	91.6831 %	94.8725 %	94.5641 %
Concentration per Run 1	-0.0051 ppm	95.2117 %	96.7403 %	91.4804 %	90.3955 %	95.1789 %	94.1687 %
Concentration per Run 2	-0.0055 ppm	96.5936 %	92.7378 %	92.7378 %	93.0271 %	95.3117 %	95.0388 %
Concentration per Run 3	-0.0055 ppm	95.9403 %	95.7288 %	91.3664 %	91.6267 %	94.1270 %	94.4848 %
Recovery Percentage 1	-107.369 %						
Concentration RSD	4.2 %	0.7 %	0.5 %	0.8 %	1.4 %	0.7 %	0.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: SIC Multi
Analysis started at: 9/12/2025 7:09:40 AM
Rack 0
Vial 7
Comment LDR +/-10%

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0011 ppm	0.0559 ppm	-0.0012 ppm	0.0072 ppm	0.0008 ppm	-0.0039 ppm	0.0175 ppm
Concentration per Run 1	-0.0013 ppm	0.0537 ppm	-0.0012 ppm	0.0067 ppm	0.0008 ppm	-0.0039 ppm	0.0178 ppm
Concentration per Run 2	-0.0007 ppm	0.0596 ppm	-0.0029 ppm	0.0060 ppm	0.0008 ppm	-0.0038 ppm	0.0182 ppm
Concentration per Run 3	-0.0012 ppm	0.0544 ppm	0.0004 ppm	0.0089 ppm	0.0008 ppm	-0.0041 ppm	0.0163 ppm
Recovery Percentage 1	-15.393 %	55.896 %	-24.300 %	24.014 %	8.192 %	-98.696 %	17.452 %
Concentration RSD	32.6 %	5.8 %	135.0 %	21.4 %	2.4 %	3.9 %	5.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0003 ppm	-0.0007 ppm	-0.0019 ppm	-0.0019 ppm	0.0374 ppm	0.0426 ppm	0.0025 ppm
Concentration per Run 1	0.0003 ppm	-0.0009 ppm	21.0561 ppm	-0.0027 ppm	0.0401 ppm	0.0565 ppm	0.0025 ppm
Concentration per Run 2	0.0001 ppm	-0.0017 ppm	20.8744 ppm	-0.0010 ppm	0.0372 ppm	0.0358 ppm	0.0025 ppm
Concentration per Run 3	0.0004 ppm	0.0006 ppm	20.7481 ppm	-0.0021 ppm	0.0349 ppm	0.0356 ppm	0.0025 ppm
Recovery Percentage 1	5.348 %	-3.357 %	208.928.506 %	-19.296 %	74.781 %	1.705 %	50.222 %
Concentration RSD	68.6 %	174.2 %	0.7 %	45.3 %	7.0 %	28.2 %	1.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Axial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0745 ppm	20.6887 [SIC 100]	-0.0011 ppm	0.0180 ppm	-0.0010 ppm	-0.0062 ppm	0.0059 ppm
Concentration per Run 1	0.0818 ppm	20.6789 ppm	-0.0007 ppm	0.0167 ppm	-0.0004 ppm	-0.0035 ppm	-0.0005 ppm
Concentration per Run 2	0.0722 ppm	20.7345 ppm	-0.0007 ppm	0.0166 ppm	-0.0028 ppm	-0.0096 ppm	0.0090 ppm
Concentration per Run 3	0.0694 ppm	20.6526 ppm	-0.0019 ppm	0.0207 ppm	0.0001 ppm	-0.0056 ppm	0.0093 ppm
Recovery Percentage 1	74.458 %	206.886.652 %	-2.157 %	0.900 %	-4.086 %	-62.365 %	11.867 %
Concentration RSD	8.7 %	0.2 %	64.5 %	13.0 %	152.9 %	49.2 %	93.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	-0.0098 ppm	-0.2068 ppm	0.0075 ppm	0.0006 ppm	20.3830 ppm	0.0008 ppm	10.3978 [SIC 10]
Concentration per Run 1	-0.0071 ppm	-0.2624 ppm	0.0080 ppm	0.0006 ppm	20.4304 ppm	0.0065 ppm	10.3954 ppm
Concentration per Run 2	-0.0114 ppm	-0.1941 ppm	0.0085 ppm	0.0006 ppm	20.4284 ppm	-0.0036 ppm	10.3912 ppm
Concentration per Run 3	-0.0110 ppm	-0.1638 ppm	0.0058 ppm	0.0007 ppm	20.2903 ppm	-0.0004 ppm	10.4067 ppm
Recovery Percentage 1	-98.126 %	-41.351 %	14.936 %	6.316 %	203.830.209 %	4.088 %	103.977.812 %
Concentration RSD	23.9 %	24.4 %	19.3 %	11.4 %	0.4 %	628.5 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0008 ppm	99.0572 %	101.5202 %	104.1821 %	98.7389 %	100.0327 %	102.0142 %
Concentration per Run 1	-0.0012 ppm	99.7664 %	101.7592 %	104.7287 %	99.2170 %	100.2547 %	102.3529 %
Concentration per Run 2	-0.0009 ppm	98.4654 %	102.0117 %	104.2960 %	98.0387 %	100.7415 %	102.2474 %
Concentration per Run 3	-0.0004 ppm	98.9400 %	100.7896 %	103.5216 %	98.9611 %	99.1019 %	101.4423 %
Recovery Percentage 1	-16.802 %	0.7 %	0.6 %	0.6 %	0.6 %	0.8 %	0.5 %
Concentration RSD	46.0 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: LDR Check
Analysis started at: 9/12/2025 7:13:26 AM
Rack 0
Vial 8
Comment LDR +/-10%

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	0.1204 ppm		4.9446 ppm	9.7614 ppm	0.0001 ppm	0.0095 ppm
Concentration per Run 1	0.0027 ppm	0.1198 ppm	5.4021 ppm	4.9059 ppm	9.7079 ppm	0.0001 ppm	0.0064 ppm
Concentration per Run 2	0.0013 ppm	0.1210 ppm	5.3817 ppm	4.9364 ppm	9.7365 ppm	0.0001 ppm	0.0102 ppm
Concentration per Run 3	0.0021 ppm	0.1205 ppm	5.4439 ppm	4.9914 ppm	9.8398 ppm	0.0001 ppm	0.0118 ppm
Recovery Percentage 1			108.042 %	98.892 %	97.614 %		
Concentration RSD	35.8 %	0.5 %	0.7 %	0.9 %	0.7 %	17.3 %	29.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0106 ppm	0.0040 ppm	21.9716 [SIC 60]	0.0036 ppm	314.0051 ppm	4.9097 ppm
Concentration per Run 1	0.0003 ppm	0.0108 ppm	0.0051 ppm	21.8862 ppm	0.0044 ppm	311.3265 ppm	4.8785 ppm
Concentration per Run 2	-0.0002 ppm	0.0097 ppm	0.0035 ppm	21.9021 ppm	0.0032 ppm	314.0326 ppm	4.9020 ppm
Concentration per Run 3	0.0004 ppm	0.0114 ppm	0.0034 ppm	22.1266 ppm	0.0031 ppm	316.6561 ppm	4.9488 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	109.858 %		104.668 %	
Concentration RSD	185.8 %	8.2 %	23.8 %	0.6 %	21.5 %	0.8 %	0.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0058 ppm	0.0015 ppm	5.0812 [SIC 20]	471.5773 ppm	10.2462 [SIC 20]	50.7568 ppm	0.0007 ppm
Concentration per Run 1	0.0056 ppm	0.0013 ppm	5.0590 ppm	470.2438 ppm	10.2282 ppm	50.8733 ppm	-0.0025 ppm
Concentration per Run 2	0.0079 ppm	0.0016 ppm	5.0837 ppm	473.2716 ppm	10.2081 ppm	50.9165 ppm	0.0022 ppm
Concentration per Run 3	0.0040 ppm	0.0016 ppm	5.1008 ppm	471.2164 ppm	10.3024 ppm	50.4806 ppm	0.0023 ppm
Recovery Percentage 1		0.000 %	101.623 %	94.315 %	102.462 %	101.514 %	0.000 %
Concentration RSD	33.3 %	10.6 %	0.4 %	0.3 %	0.5 %	0.5 %	415.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	-0.0031 ppm	20.7829 [SIC 200]	0.0013 ppm	0.0006 ppm	0.0180 ppm	-0.0056 ppm	0.0007 ppm
Concentration per Run 1	-0.0032 ppm	20.6341 ppm	0.0014 ppm	0.0006 ppm	0.0199 ppm	-0.0064 ppm	0.0013 ppm
Concentration per Run 2	-0.0021 ppm	20.8143 ppm	0.0016 ppm	0.0005 ppm	0.0175 ppm	-0.0060 ppm	0.0001 ppm
Concentration per Run 3	-0.0040 ppm	20.9002 ppm	0.0008 ppm	0.0006 ppm	0.0166 ppm	-0.0045 ppm	0.0005 ppm
Recovery Percentage 1	0.000 %	103.914 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	29.9 %	0.7 %	35.1 %	14.0 %	9.4 %	17.2 %	97.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	19.2672 ppm	103.1262 %	97.8317 %	107.4196 %	102.9559 %	95.8899 %	98.1211 %
Concentration per Run 1	19.2293 ppm	103.6291 %	98.4124 %	107.4343 %	103.5705 %	96.1645 %	98.2979 %
Concentration per Run 2	19.2225 ppm	102.7995 %	107.8609 %	107.8609 %	102.3034 %	95.3976 %	98.8174 %
Concentration per Run 3	19.3498 ppm	102.9499 %	97.6563 %	106.9635 %	102.9937 %	96.1076 %	97.2479 %
Recovery Percentage 1	96.336 %						
Concentration RSD	0.4 %	0.4 %	0.5 %	0.4 %	0.6 %	0.4 %	0.8 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: xLLOQ_005

Analysis started at: 9/12/2025 7:29:51 AM

Rack 1

Vial 1

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0046 ppm	0.0017 ppm	0.0033 ppm	0.0067 ppm	0.0047 ppm	0.0047 ppm	0.0055 ppm
Concentration per Run 1	0.0049 ppm	0.0021 ppm	0.0048 ppm	0.0065 ppm	0.0048 ppm	0.0047 ppm	0.0079 ppm
Concentration per Run 2	0.0037 ppm	0.0019 ppm	0.0018 ppm	0.0076 ppm	0.0047 ppm	0.0047 ppm	0.0067 ppm
Concentration per Run 3	0.0051 ppm	0.0010 ppm	0.0035 ppm	0.0059 ppm	0.0048 ppm	0.0048 ppm	0.0020 ppm
Recovery Percentage 1	91.188 %	0.000 %	66.616 %	0.000 %	0.000 %	94.251 %	0.000 %
Concentration RSD	15.6 %	36.2 %	45.5 %	12.8 %	1.1 %	1.2 %	57.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0046 ppm	0.0046 ppm	0.0050 ppm	0.0054 ppm	0.0057 ppm	0.0777 ppm	0.0057 ppm
Concentration per Run 1	0.0048 ppm	0.0047 ppm	0.0052 ppm	0.0048 ppm	0.0051 ppm	0.0580 ppm	0.0067 ppm
Concentration per Run 2	0.0042 ppm	0.0063 ppm	0.0059 ppm	0.0066 ppm	0.0049 ppm	0.0895 ppm	0.0055 ppm
Concentration per Run 3	0.0049 ppm	0.0028 ppm	0.0039 ppm	0.0048 ppm	0.0069 ppm	0.0858 ppm	0.0048 ppm
Recovery Percentage 1	92.756 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	7.4 %	38.3 %	19.9 %	19.8 %	19.5 %	22.2 %	17.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0066 ppm	0.0049 ppm	0.0065 ppm	0.0958 ppm	0.0026 ppm	0.0051 ppm	0.0017 ppm
Concentration per Run 1	0.0067 ppm	0.0051 ppm	0.0042 ppm	0.0950 ppm	0.0032 ppm	0.0075 ppm	0.0042 ppm
Concentration per Run 2	0.0055 ppm	0.0048 ppm	0.0089 ppm	0.0980 ppm	0.0022 ppm	0.0078 ppm	-0.0014 ppm
Concentration per Run 3	0.0076 ppm	0.0049 ppm	0.0065 ppm	0.0945 ppm	0.0025 ppm	0.0001 ppm	0.0023 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	16.1 %	2.9 %	35.8 %	2.0 %	19.5 %	84.6 %	167.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0014 ppm	0.0444 ppm	0.0055 ppm	0.0047 ppm	0.0039 ppm	0.0038 ppm	0.0045 ppm
Concentration per Run 1	-0.0065 ppm	0.0463 ppm	0.0086 ppm	0.0037 ppm	0.0069 ppm	0.0049 ppm	0.0049 ppm
Concentration per Run 2	0.0082 ppm	0.0398 ppm	0.0042 ppm	0.0046 ppm	0.0040 ppm	0.0019 ppm	0.0039 ppm
Concentration per Run 3	0.0024 ppm	0.0470 ppm	0.0038 ppm	0.0047 ppm	0.0039 ppm	0.0026 ppm	0.0048 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	546.7 %	9.0 %	48.3 %	1.9 %	5.1 %	71.4 %	12.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0052 ppm	96.7525 %	100.7001 %	100.7545 %	97.2265 %	99.9318 %	101.0697 %
Concentration per Run 1	0.0053 ppm	97.0978 %	100.7169 %	101.0209 %	97.9342 %	99.6255 %	100.9797 %
Concentration per Run 2	0.0052 ppm	95.4861 %	101.1477 %	100.4794 %	95.5779 %	100.4034 %	101.1201 %
Concentration per Run 3	0.0052 ppm	97.6737 %	100.2355 %	100.7631 %	98.1675 %	99.7665 %	101.1094 %
Recovery Percentage 1	104.362 %	1.2 %	0.5 %	0.3 %	1.5 %	0.4 %	0.1 %
Concentration RSD	0.9 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: LLOQ_01

Analysis started at: 9/12/2025 7:33:14 AM

Rack 1

Vial 2

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0101 ppm	0.0180 ppm		0.0089 ppm	0.0095 ppm	0.0094 ppm	0.0099 ppm
Concentration per Run 1	0.0102 ppm	0.0059 ppm		0.0117 ppm	0.0126 ppm	0.0094 ppm	0.0104 ppm
Concentration per Run 2	0.0091 ppm	0.0169 ppm		0.0100 ppm	0.0095 ppm	0.0093 ppm	0.0116 ppm
Concentration per Run 3	0.0111 ppm	0.0311 ppm		0.0051 ppm	0.0132 ppm	0.0094 ppm	0.0077 ppm
Recovery Percentage 1	0.00 %	0.00 %		89.347 %	127.093 %	94.950 %	0.00 %
Concentration RSD	10.1 %	70.2 %		38.7 %	3.6 %	0.9 %	20.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0095 ppm	0.0112 ppm	0.0093 ppm	0.0093 ppm	0.0098 ppm	0.1161 ppm	0.0108 ppm
Concentration per Run 1	0.0091 ppm	0.0099 ppm	0.0095 ppm	0.0092 ppm	0.0105 ppm	0.1245 ppm	0.0107 ppm
Concentration per Run 2	0.0092 ppm	0.0123 ppm	0.0103 ppm	0.0082 ppm	0.0113 ppm	0.1139 ppm	0.0106 ppm
Concentration per Run 3	0.0102 ppm	0.0113 ppm	0.0105 ppm	0.0075 ppm	0.0075 ppm	0.1100 ppm	0.0110 ppm
Recovery Percentage 1	0.00 %	111.597 %	92.965 %	101.285 %	0.00 %	0.00 %	107.688 %
Concentration RSD	6.3 %	10.9 %	12.3 %	5.6 %	20.4 %	6.4 %	2.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0137 ppm	0.0097 ppm	0.0097 ppm	0.1981 ppm	0.0078 ppm	0.0113 ppm	0.0081 ppm
Concentration per Run 1	0.0149 ppm	0.0096 ppm	0.0080 ppm	0.2032 ppm	0.0040 ppm	0.0127 ppm	0.0073 ppm
Concentration per Run 2	0.0100 ppm	0.0096 ppm	0.0099 ppm	0.1991 ppm	0.0079 ppm	0.0095 ppm	0.0030 ppm
Concentration per Run 3	0.0162 ppm	0.0097 ppm	0.0101 ppm	0.1921 ppm	0.0116 ppm	0.0116 ppm	0.0142 ppm
Recovery Percentage 1	0.00 %	96.738 %	93.482 %	0.00 %	78.286 %	112.721 %	0.00 %
Concentration RSD	24.2 %	0.5 %	12.4 %	2.8 %	48.4 %	14.2 %	69.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0061 ppm	0.0930 ppm	0.0101 ppm	0.0093 ppm	0.0095 ppm	0.0097 ppm	0.0094 ppm
Concentration per Run 1	0.0075 ppm	0.0889 ppm	0.0087 ppm	0.0093 ppm	0.0094 ppm	0.0121 ppm	0.0088 ppm
Concentration per Run 2	0.0061 ppm	0.0881 ppm	0.0102 ppm	0.0093 ppm	0.0091 ppm	0.0100 ppm	0.0090 ppm
Concentration per Run 3	0.0047 ppm	0.1018 ppm	0.0114 ppm	0.0094 ppm	0.0099 ppm	0.0104 ppm	0.0104 ppm
Recovery Percentage 1	60.887 %	0.00 %	101.263 %	93.290 %	94.642 %	96.569 %	93.849 %
Concentration RSD	22.5 %	8.3 %	13.3 %	0.7 %	4.2 %	27.3 %	9.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0098 ppm	96.6273 %	100.1390 %	102.1423 %	97.7887 %	99.6984 %	102.3153 %
Concentration per Run 1	0.0091 ppm	98.5846 %	99.8460 %	101.8858 %	99.0240 %	99.2598 %	102.4872 %
Concentration per Run 2	0.0096 ppm	100.4618 %	100.4287 %	102.7861 %	102.8554 %	99.8480 %	102.8480 %
Concentration per Run 3	0.0107 ppm	91.8356 %	100.1421 %	101.7550 %	91.4866 %	99.9874 %	101.6107 %
Recovery Percentage 1	98.165 %	4.3 %	0.3 %	0.5 %	5.9 %	0.4 %	0.6 %
Concentration RSD	8.4 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: LLOQ_05

Analysis started at: 9/12/2025 7:36:26 AM

Rack 1

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0498 ppm	0.0532 ppm	0.0522 ppm	0.0519 ppm	0.0508 ppm	0.0510 ppm	0.0525 ppm
Concentration per Run 1	0.0503 ppm	0.0525 ppm	0.0528 ppm	0.0509 ppm	0.0505 ppm	0.0508 ppm	0.0486 ppm
Concentration per Run 2	0.0494 ppm	0.0534 ppm	0.0513 ppm	0.0544 ppm	0.0509 ppm	0.0510 ppm	0.0525 ppm
Concentration per Run 3	0.0497 ppm	0.0537 ppm	0.0524 ppm	0.0505 ppm	0.0512 ppm	0.0513 ppm	0.0564 ppm
Recovery Percentage 1	0.000 %	106.383 %	0.000 %	0.000 %	0.000 %	0.000 %	104.978 %
Concentration RSD	0.9 %	1.1 %	1.6 %	4.1 %	0.7 %	0.5 %	7.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0514 ppm	0.0520 ppm	0.0514 ppm	0.0507 ppm	0.0517 ppm	0.5345 ppm	0.0544 ppm
Concentration per Run 1	0.0512 ppm	0.0526 ppm	0.0502 ppm	0.0494 ppm	0.0525 ppm	0.5446 ppm	0.0535 ppm
Concentration per Run 2	0.0518 ppm	0.0530 ppm	0.0520 ppm	0.0519 ppm	0.0506 ppm	0.5270 ppm	0.0543 ppm
Concentration per Run 3	0.0511 ppm	0.0504 ppm	0.0520 ppm	0.0509 ppm	0.0519 ppm	0.5317 ppm	0.0554 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	103.348 %	21.378 %	0.000 %
Concentration RSD	0.7 %	2.7 %	2.1 %	2.5 %	1.9 %	1.7 %	1.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0556 ppm	0.0519 ppm	0.0501 ppm	1.0458 ppm	0.0500 ppm	0.0509 ppm	0.0461 ppm
Concentration per Run 1	0.0538 ppm	0.0519 ppm	0.0481 ppm	1.0482 ppm	0.0510 ppm	0.0510 ppm	0.0483 ppm
Concentration per Run 2	0.0571 ppm	0.0522 ppm	0.0517 ppm	1.0416 ppm	0.0508 ppm	0.0502 ppm	0.0515 ppm
Concentration per Run 3	0.0558 ppm	0.0515 ppm	0.0506 ppm	1.0476 ppm	0.0483 ppm	0.0513 ppm	0.0385 ppm
Recovery Percentage 1	111.168 %	0.000 %	0.000 %	104.580 %	0.000 %	0.000 %	92.244 %
Concentration RSD	3.0 %	0.7 %	3.7 %	0.3 %	3.0 %	1.1 %	14.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.0496 ppm	0.5195 ppm	0.0508 ppm	0.0508 ppm	0.0509 ppm	0.0483 ppm	0.0510 ppm
Concentration per Run 1	0.0489 ppm	0.5173 ppm	0.0488 ppm	0.0504 ppm	0.0501 ppm	0.0447 ppm	0.0504 ppm
Concentration per Run 2	0.0482 ppm	0.5247 ppm	0.0507 ppm	0.0509 ppm	0.0514 ppm	0.0489 ppm	0.0512 ppm
Concentration per Run 3	0.0516 ppm	0.5164 ppm	0.0511 ppm	0.0511 ppm	0.0511 ppm	0.0513 ppm	0.0514 ppm
Recovery Percentage 1	0.000 %	103.891 %	101.620 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	3.6 %	0.9 %	4.0 %	0.6 %	1.4 %	6.9 %	1.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0519 ppm	99.6219 %	102.4790 %	103.1365 %	99.2481 %	101.1468 %	102.4199 %
Concentration per Run 1	0.0523 ppm	99.1721 %	103.3459 %	102.8004 %	98.7785 %	102.2884 %	102.1131 %
Concentration per Run 2	0.0523 ppm	99.3987 %	103.0093 %	103.1583 %	99.2944 %	101.6772 %	102.4142 %
Concentration per Run 3	0.0511 ppm	100.2950 %	101.0817 %	103.4507 %	99.6715 %	99.4748 %	102.7325 %
Recovery Percentage 1	103.751 %	0.6 %	1.2 %	0.3 %	0.5 %	1.5 %	0.3 %
Concentration RSD	1.4 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: xLLOQ_005
Analysis started at: 9/12/2025 7:41:03 AM
Rack 1
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0041 ppm	0.0014 ppm		0.0066 ppm	0.0047 ppm	0.0046 ppm	0.0123 ppm
Concentration per Run 1	0.0049 ppm	0.0035 ppm	0.0060 ppm	0.0077 ppm	0.0046 ppm	0.0046 ppm	0.0135 ppm
Concentration per Run 2	0.0043 ppm	-0.0040 ppm	0.0048 ppm	0.0061 ppm	0.0048 ppm	0.0046 ppm	0.0081 ppm
Concentration per Run 3	0.0032 ppm	0.0045 ppm	0.0056 ppm	0.0062 ppm	0.0047 ppm	0.0046 ppm	0.0154 ppm
Recovery Percentage 1	82.984 %	0.000 %	120.866 %	0.000 %	0.000 %	91.214 %	0.000 %
Concentration RSD	21.6 %	345.7 %	24.7 %	11.6 %	2.8 %	0.3 %	30.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0046 ppm	0.0043 ppm	0.0046 ppm	0.0045 ppm	0.0050 ppm	0.0556 ppm	0.0064 ppm
Concentration per Run 1	0.0048 ppm	0.0039 ppm	0.0056 ppm	0.0035 ppm	0.0048 ppm	0.0540 ppm	0.0059 ppm
Concentration per Run 2	0.0043 ppm	0.0047 ppm	0.0050 ppm	0.0050 ppm	0.0043 ppm	0.0720 ppm	0.0070 ppm
Concentration per Run 3	0.0048 ppm	0.0042 ppm	0.0032 ppm	0.0049 ppm	0.0059 ppm	0.0407 ppm	0.0062 ppm
Recovery Percentage 1	92.161 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	6.1 %	9.6 %	27.1 %	19.2 %	16.9 %	28.2 %	8.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0107 ppm	0.0046 ppm	0.0049 ppm	0.0969 ppm	0.0032 ppm	0.0039 ppm	-0.0045 ppm
Concentration per Run 1	0.0072 ppm	0.0046 ppm	0.0035 ppm	0.0949 ppm	0.0008 ppm	0.0053 ppm	-0.0220 ppm
Concentration per Run 2	0.0128 ppm	0.0046 ppm	0.0053 ppm	0.0995 ppm	0.0043 ppm	0.0029 ppm	0.0105 ppm
Concentration per Run 3	0.0123 ppm	0.0045 ppm	0.0060 ppm	0.0963 ppm	0.0044 ppm	0.0034 ppm	-0.0022 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	28.8 %	1.4 %	26.8 %	2.4 %	66.1 %	32.6 %	361.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0014 ppm	0.0421 ppm	0.0052 ppm	0.0046 ppm	0.0045 ppm	0.0058 ppm	0.0042 ppm
Concentration per Run 1	0.0013 ppm	0.0373 ppm	0.0052 ppm	0.0046 ppm	0.0043 ppm	0.0017 ppm	0.0040 ppm
Concentration per Run 2	-0.0030 ppm	0.0396 ppm	0.0060 ppm	0.0046 ppm	0.0040 ppm	0.0050 ppm	0.0044 ppm
Concentration per Run 3	-0.0026 ppm	0.0495 ppm	0.0044 ppm	0.0047 ppm	0.0051 ppm	0.0105 ppm	0.0042 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	165.1 %	15.4 %	15.6 %	1.5 %	12.6 %	77.4 %	4.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0044 ppm	99.0381 %	100.6879 %	103.4950 %	99.6472 %	100.5407 %	103.1690 %
Concentration per Run 1	0.0049 ppm	99.5317 %	100.8660 %	103.9636 %	99.5177 %	100.3998 %	104.2200 %
Concentration per Run 2	0.0039 ppm	98.9933 %	100.6030 %	103.0544 %	99.7513 %	100.9627 %	102.7357 %
Concentration per Run 3	0.0045 ppm	98.5893 %	100.5947 %	103.4671 %	99.6727 %	100.2595 %	102.5513 %
Recovery Percentage 1	88.705 %						
Concentration RSD	11.3 %	0.5 %	0.2 %	0.4 %	0.1 %	0.4 %	0.9 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: LLOQ
Analysis started at: 9/12/2025 7:46:34 AM
Rack 0
Vial 5
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0052 ppm	0.1014 ppm	0.1014 ppm	0.0345 ppm	0.0103 ppm	0.0052 ppm	0.1030 ppm
Concentration per Run 1	0.0047 ppm	0.1016 ppm	0.1016 ppm	0.0344 ppm	0.0102 ppm	0.0052 ppm	0.1029 ppm
Concentration per Run 2	0.0056 ppm	0.0965 ppm	0.0965 ppm	0.0352 ppm	0.0103 ppm	0.0052 ppm	0.1039 ppm
Concentration per Run 3	0.0054 ppm	0.1059 ppm	0.1059 ppm	0.0340 ppm	0.0104 ppm	0.0052 ppm	0.1021 ppm
Recovery Percentage 1	104.854 %	101.352 %	98.354 %	115.125 %	102.951 %	103.541 %	102.951 %
Concentration RSD	8.9 %	4.7 %	11.7 %	1.7 %	0.9 %	0.3 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0040 ppm	0.0111 ppm	0.0110 ppm	0.0103 ppm	0.0541 ppm	2.6636 ppm	0.0119 ppm
Concentration per Run 1	0.0041 ppm	0.0110 ppm	0.0120 ppm	0.0105 ppm	0.0568 ppm	2.6647 ppm	0.0132 ppm
Concentration per Run 2	0.0040 ppm	0.0107 ppm	0.0104 ppm	0.0092 ppm	0.0535 ppm	2.6545 ppm	0.0103 ppm
Concentration per Run 3	0.0039 ppm	0.0115 ppm	0.0113 ppm	0.0520 ppm	0.0520 ppm	2.6715 ppm	0.0123 ppm
Recovery Percentage 1	99.809 %	110.579 %	103.357 %	108.280 %	106.542 %	119.022 %	119.022 %
Concentration RSD	2.8 %	3.9 %	10.1 %	4.5 %	0.3 %	12.6 %	12.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.1043 ppm	0.0101 ppm	0.0508 ppm	2.0730 ppm	0.0178 ppm	0.0105 ppm	0.0442 ppm
Concentration per Run 1	0.1024 ppm	0.0098 ppm	0.0500 ppm	2.0738 ppm	0.0154 ppm	0.0113 ppm	0.0442 ppm
Concentration per Run 2	0.1036 ppm	0.0102 ppm	0.0515 ppm	2.0871 ppm	0.0202 ppm	0.0075 ppm	0.0423 ppm
Concentration per Run 3	0.1069 ppm	0.0103 ppm	0.0510 ppm	2.0760 ppm	0.0176 ppm	0.0128 ppm	0.0461 ppm
Recovery Percentage 1	104.332 %	101.068 %	103.948 %	88.770 %	105.345 %	88.395 %	88.395 %
Concentration RSD	2.2 %	2.3 %	1.5 %	0.3 %	13.5 %	25.8 %	4.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0097 ppm	0.5139 ppm	0.0534 ppm	0.0100 ppm	0.0091 ppm	0.0200 ppm	0.0090 ppm
Concentration per Run 1	0.0071 ppm	0.5128 ppm	0.0540 ppm	0.0100 ppm	0.0090 ppm	0.0216 ppm	0.0094 ppm
Concentration per Run 2	0.0111 ppm	0.5165 ppm	0.0526 ppm	0.0101 ppm	0.0092 ppm	0.0233 ppm	0.0092 ppm
Concentration per Run 3	0.0109 ppm	0.5123 ppm	0.0537 ppm	0.0099 ppm	0.0092 ppm	0.0149 ppm	0.0085 ppm
Recovery Percentage 1	96.934 %	102.772 %	106.839 %	99.983 %	91.404 %	99.770 %	90.347 %
Concentration RSD	22.9 %	0.4 %	1.4 %	0.7 %	1.4 %	22.2 %	5.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0051 ppm	98.8123 %	102.2284 %	101.8736 %	98.6868 %	100.7142 %	101.3354 %
Concentration per Run 1	0.0051 ppm	99.3558 %	102.1698 %	102.4403 %	98.4305 %	100.5808 %	101.8934 %
Concentration per Run 2	0.0051 ppm	98.3528 %	101.3300 %	101.3300 %	98.9358 %	100.7871 %	100.9041 %
Concentration per Run 3	0.0051 ppm	98.7284 %	102.1317 %	101.8505 %	98.6942 %	100.7746 %	101.2087 %
Recovery Percentage 1	101.741 %	0.5 %	0.1 %	0.5 %	0.3 %	0.1 %	0.5 %
Concentration RSD	0.7 %	0.5 %	0.1 %	0.5 %	0.3 %	0.1 %	0.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

CCV

Sample: 9/12/2025 7:50:38 AM

Rack 0

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4942 ppm	0.4982 ppm	0.4997 ppm	0.5064 ppm	0.5027 ppm	0.5170 ppm	0.5028 ppm
Concentration per Run 1	0.4540 ppm	0.4913 ppm	0.5007 ppm	0.4625 ppm	0.4994 ppm	0.5131 ppm	0.5002 ppm
Concentration per Run 2	0.5301 ppm	0.5001 ppm	0.4993 ppm	0.5465 ppm	0.5061 ppm	0.5209 ppm	0.5085 ppm
Concentration per Run 3	0.4984 ppm	0.5031 ppm	0.4991 ppm	0.5101 ppm	0.5025 ppm	0.5169 ppm	0.4997 ppm
Recovery Percentage 1	98.835 %	99.637 %	99.941 %	101.276 %	100.533 %	103.392 %	100.552 %
Concentration RSD	7.7 %	1.2 %	0.2 %	8.3 %	0.7 %	0.8 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5137 ppm	0.5171 ppm	0.5152 ppm	0.5058 ppm	0.5052 ppm	5.2414 ppm	0.5227 ppm
Concentration per Run 1	0.4727 ppm	0.4758 ppm	0.4715 ppm	0.4635 ppm	0.5041 ppm	5.2508 ppm	0.5196 ppm
Concentration per Run 2	0.5517 ppm	0.5550 ppm	0.5552 ppm	0.5431 ppm	0.5073 ppm	5.2429 ppm	0.5254 ppm
Concentration per Run 3	0.5167 ppm	0.5205 ppm	0.5189 ppm	0.5108 ppm	0.5042 ppm	5.2306 ppm	0.5229 ppm
Recovery Percentage 1	102.741 %	103.420 %	103.043 %	101.159 %	101.037 %	104.829 %	104.531 %
Concentration RSD	7.7 %	7.7 %	8.2 %	7.9 %	0.4 %	0.2 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5033 ppm	0.5161 ppm	0.5081 ppm	10.3488 ppm	0.5155 ppm	0.5173 ppm	0.5167 ppm
Concentration per Run 1	0.4613 ppm	0.5130 ppm	0.4660 ppm	10.3063 ppm	0.4726 ppm	0.5179 ppm	0.4653 ppm
Concentration per Run 2	0.5417 ppm	0.5191 ppm	0.5461 ppm	10.3445 ppm	0.5586 ppm	0.5166 ppm	0.5484 ppm
Concentration per Run 3	0.5069 ppm	0.5161 ppm	0.5120 ppm	10.3895 ppm	0.5152 ppm	0.5174 ppm	0.5363 ppm
Recovery Percentage 1	100.656 %	103.213 %	101.610 %	103.468 %	103.099 %	103.455 %	103.335 %
Concentration RSD	8.0 %	0.6 %	7.9 %	0.4 %	8.3 %	0.1 %	8.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5063 ppm	5.3456 ppm	0.5061 ppm	0.5054 ppm	0.5054 ppm	0.5063 ppm	0.5163 ppm
Concentration per Run 1	0.5082 ppm	4.8900 ppm	0.4632 ppm	0.5015 ppm	0.4621 ppm	0.5095 ppm	0.4731 ppm
Concentration per Run 2	0.5077 ppm	5.7469 ppm	0.5487 ppm	0.5098 ppm	0.5461 ppm	0.5049 ppm	0.5568 ppm
Concentration per Run 3	0.5030 ppm	5.4000 ppm	0.5065 ppm	0.5049 ppm	0.5081 ppm	0.5044 ppm	0.5191 ppm
Recovery Percentage 1	101.256 %	101.821 %	101.227 %	101.080 %	101.084 %	101.252 %	103.266 %
Concentration RSD	0.6 %	8.1 %	8.5 %	0.8 %	8.3 %	0.6 %	8.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5207 ppm	100.3239 %	101.8613 %	103.7920 %	99.5115 %	100.1773 %	102.6970 %
Concentration per Run 1	0.4766 ppm	107.9486 %	102.6684 %	103.7901 %	105.3143 %	100.8260 %	103.2442 %
Concentration per Run 2	0.5618 ppm	93.3964 %	101.1766 %	103.4246 %	94.0572 %	99.7348 %	102.0364 %
Concentration per Run 3	0.5239 ppm	99.6268 %	101.7390 %	104.1614 %	99.1629 %	99.9710 %	102.8104 %
Recovery Percentage 1	104.148 %	7.3 %	0.7 %	0.4 %	5.7 %	0.6 %	0.6 %
Concentration RSD	8.2 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCB
Analysis started at: 9/12/2025 7:53:52 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	0.0006 ppm	-0.0008 ppm	0.0041 ppm	0.0001 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run 1	-0.0004 ppm	0.0074 ppm	0.0016 ppm	0.0022 ppm	0.0000 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run 2	0.0008 ppm	-0.0020 ppm	-0.0029 ppm	0.0075 ppm	0.0002 ppm	0.0001 ppm	0.0028 ppm
Concentration per Run 3	0.0008 ppm	-0.0037 ppm	-0.0010 ppm	0.0027 ppm	0.0001 ppm	0.0000 ppm	-0.0005 ppm
Recovery Percentage 1	5.889 %	0.563 %	-15.509 %	13.710 %	93.1 %	1.359 %	1.336 %
Concentration RSD	164.7 %	1.069 0 %	292.9 %	70.9 %	25.9 %	25.9 %	128.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0143 ppm	0.0013 ppm
Concentration per Run 1	0.0001 ppm	-0.0015 ppm	0.0005 ppm	0.0010 ppm	0.0006 ppm	0.0314 ppm	0.0012 ppm
Concentration per Run 2	0.0001 ppm	-0.0013 ppm	-0.0009 ppm	-0.0009 ppm	-0.0007 ppm	0.0058 ppm	0.0000 ppm
Concentration per Run 3	0.0002 ppm	-0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0019 ppm	0.0058 ppm	0.0025 ppm
Recovery Percentage 1	2.581 %	-5.936 %	1.246 %	0.925 %	1.259 %	0.573 %	25.720 %
Concentration RSD	54.2 %	36.1 %	495.8 %	1.018 8 %	208.2 %	103.3 %	99.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0017 ppm	0.0000 ppm	0.0042 ppm	0.0003 ppm	-0.0010 ppm	0.0002 ppm	-0.0032 ppm
Concentration per Run 1	0.0035 ppm	-0.0001 ppm	0.0038 ppm	-0.0042 ppm	0.0002 ppm	-0.0018 ppm	-0.0065 ppm
Concentration per Run 2	-0.0018 ppm	0.0002 ppm	0.0041 ppm	0.0040 ppm	-0.0001 ppm	0.0004 ppm	-0.0057 ppm
Concentration per Run 3	0.0035 ppm	0.0001 ppm	0.0049 ppm	0.0011 ppm	-0.0030 ppm	0.0020 ppm	0.0025 ppm
Recovery Percentage 1	1.714 %	0.361 %	8.495 %	0.014 %	-3.841 %	1.839 %	-6.470 %
Concentration RSD	178.9 %	355.3 %	13.4 %	1.455 8 %	184.5 %	1,020.6 %	154.7 %

	Se 195.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0021 ppm	-0.0007 ppm	0.0009 ppm	0.0000 ppm	-0.0005 ppm	-0.0024 ppm	-0.0010 ppm
Concentration per Run 1	-0.0014 ppm	-0.0015 ppm	-0.0003 ppm	0.0001 ppm	0.0009 ppm	0.0043 ppm	-0.0008 ppm
Concentration per Run 2	-0.0016 ppm	-0.0019 ppm	0.0011 ppm	0.0000 ppm	-0.0012 ppm	-0.0037 ppm	-0.0009 ppm
Concentration per Run 3	-0.0033 ppm	0.0013 ppm	0.0019 ppm	0.0000 ppm	-0.0013 ppm	-0.0077 ppm	-0.0013 ppm
Recovery Percentage 1	-21.040 %	-0.147 %	1.867 %	0.454 %	-5.396 %	-11.953 %	-9.720 %
Concentration RSD	50.4 %	236.5 %	119.3 %	166.5 %	230.7 %	254.8 %	26.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0002 ppm	98.2038 %	100.2377 %	102.5609 %	99.1870 %	100.1006 %	102.1602 %
Concentration per Run 1	0.0001 ppm	97.8626 %	100.0019 %	102.0423 %	99.0774 %	99.1915 %	102.3147 %
Concentration per Run 2	0.0000 ppm	98.0153 %	100.7069 %	102.3953 %	99.3562 %	101.0470 %	101.3715 %
Concentration per Run 3	-0.0006 ppm	98.7334 %	100.0044 %	103.2450 %	99.1274 %	100.0634 %	102.7942 %
Recovery Percentage 1	-3.734 %	0.5 %	0.4 %	0.6 %	0.1 %	0.9 %	0.7 %
Concentration RSD	204.2 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2113691-1 WG2113691

Analysis started at: 9/12/2025 8:12:30 AM

Rack 1

Vial 5

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0032 ppm	-0.0009 ppm	0.0055 ppm	0.0003 ppm	0.0000 ppm	0.0284 ppm
Concentration per Run 1	-0.0004 ppm	0.0118 ppm	0.0024 ppm	0.0059 ppm	0.0005 ppm	0.0000 ppm	0.0283 ppm
Concentration per Run 2	0.0016 ppm	-0.0033 ppm	-0.0019 ppm	0.0053 ppm	0.0002 ppm	0.0000 ppm	0.0277 ppm
Concentration per Run 3	-0.0011 ppm	0.0010 ppm	-0.0030 ppm	0.0051 ppm	0.0002 ppm	0.0000 ppm	0.0292 ppm
Concentration RSD	3.907.7 %	246.4 %	333.5 %	7.8 %	46.0 %	72.3 %	2.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0035 ppm	0.0132 ppm	0.0003 ppm
Concentration per Run 1	-0.0002 ppm	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0029 ppm	-0.0042 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0004 ppm	0.0010 ppm	0.0039 ppm	0.0136 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0010 ppm	0.0000 ppm	-0.0002 ppm	0.0038 ppm	0.0301 ppm	0.0017 ppm
Concentration RSD	96.4 %	278.7 %	2,520.2 %	149.0 %	14.6 %	130.2 %	514.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0084 ppm	-0.0002 ppm	0.0007 ppm	0.1526 ppm	-0.0020 ppm	-0.0022 ppm	-0.0070 ppm
Concentration per Run 1	0.0115 ppm	-0.0002 ppm	0.0015 ppm	0.1557 ppm	-0.0016 ppm	-0.0049 ppm	-0.0048 ppm
Concentration per Run 2	0.0071 ppm	-0.0002 ppm	-0.0002 ppm	0.1487 ppm	-0.0033 ppm	0.0035 ppm	-0.0075 ppm
Concentration per Run 3	0.0066 ppm	-0.0001 ppm	0.0009 ppm	0.1535 ppm	-0.0010 ppm	-0.0051 ppm	-0.0089 ppm
Concentration RSD	32.1 %	42.1 %	116.8 %	2.3 %	58.8 %	226.9 %	29.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0009 ppm	0.0423 ppm	0.0014 ppm	0.0000 ppm	-0.0005 ppm	-0.0057 ppm	-0.0014 ppm
Concentration per Run 1	-0.0019 ppm	0.0434 ppm	0.0023 ppm	0.0000 ppm	-0.0016 ppm	-0.0077 ppm	-0.0005 ppm
Concentration per Run 2	-0.0008 ppm	0.0486 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm	-0.0025 ppm	-0.0012 ppm
Concentration per Run 3	0.0000 ppm	0.0349 ppm	-0.0001 ppm	-0.0001 ppm	-0.0008 ppm	-0.0070 ppm	-0.0025 ppm
Concentration RSD	109.0 %	16.3 %	93.4 %	1,033.3 %	215.2 %	49.2 %	70.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0001 ppm	94.8751 %	100.5058 %	98.2830 %	95.3369 %	99.9850 %	99.1059 %
Concentration per Run 1	0.0005 ppm	94.0071 %	100.6612 %	98.1653 %	94.8228 %	99.9447 %	98.9196 %
Concentration per Run 2	0.0001 ppm	95.2843 %	99.9251 %	98.5203 %	95.4573 %	99.4159 %	99.4162 %
Concentration per Run 3	-0.0002 ppm	95.3341 %	100.9313 %	98.1634 %	95.7306 %	100.5945 %	98.9818 %
Concentration RSD	294.7 %	0.8 %	0.5 %	0.2 %	0.5 %	0.6 %	0.3 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2113691-2 WG2113691

Analysis started at: 9/12/2025 8:15:53 AM

Rack 1

Vial 6

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0481 ppm	1.9880 ppm	0.1191 ppm	0.9853 ppm	1.9405 ppm	0.0491 ppm	10.0890 ppm
Concentration per Run 1	0.0489 ppm	1.9834 ppm	0.1182 ppm	0.9927 ppm	1.9423 ppm	0.0493 ppm	10.0916 ppm
Concentration per Run 2	0.0474 ppm	1.9874 ppm	0.1175 ppm	0.9835 ppm	1.9368 ppm	0.0490 ppm	10.1082 ppm
Concentration per Run 3	0.0481 ppm	1.9933 ppm	0.1217 ppm	0.9796 ppm	1.9425 ppm	0.0491 ppm	10.0672 ppm
Concentration RSD	1.6 %	0.3 %	1.9 %	0.7 %	0.2 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0527 ppm	0.4876 ppm	0.1965 ppm	0.2449 ppm	0.9781 ppm	10.0944 ppm	0.0008 ppm
Concentration per Run 1	0.0525 ppm	0.4903 ppm	0.1962 ppm	0.2431 ppm	0.9767 ppm	10.1060 ppm	0.0018 ppm
Concentration per Run 2	0.0530 ppm	0.4870 ppm	0.1956 ppm	0.2475 ppm	0.9793 ppm	10.0910 ppm	-0.0003 ppm
Concentration per Run 3	0.0525 ppm	0.4856 ppm	0.1977 ppm	0.2441 ppm	0.9784 ppm	10.0864 ppm	0.0008 ppm
Concentration RSD	0.5 %	0.5 %	0.5 %	0.9 %	0.1 %	0.1 %	141.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.7547 ppm	0.4938 ppm	1.0029 ppm	10.0497 ppm	0.4918 ppm	0.5297 ppm	0.4993 ppm
Concentration per Run 1	9.7797 ppm	0.4945 ppm	0.9983 ppm	10.0382 ppm	0.4927 ppm	0.5323 ppm	0.5043 ppm
Concentration per Run 2	9.7453 ppm	0.4916 ppm	1.0074 ppm	10.0755 ppm	0.4878 ppm	0.5344 ppm	0.4958 ppm
Concentration per Run 3	9.7391 ppm	0.4953 ppm	1.0030 ppm	10.0353 ppm	0.4949 ppm	0.5225 ppm	0.4979 ppm
Concentration RSD	0.2 %	0.4 %	0.5 %	0.2 %	0.7 %	1.2 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1149 ppm	0.7472 ppm	0.9676 ppm	0.9604 ppm	0.9874 ppm	0.1124 ppm	0.5032 ppm
Concentration per Run 1	0.1109 ppm	0.7458 ppm	0.9678 ppm	0.9615 ppm	0.9870 ppm	0.1090 ppm	0.5021 ppm
Concentration per Run 2	0.1168 ppm	0.7480 ppm	0.9629 ppm	0.9565 ppm	0.9839 ppm	0.1166 ppm	0.5048 ppm
Concentration per Run 3	0.1170 ppm	0.7480 ppm	0.9720 ppm	0.9633 ppm	0.9913 ppm	0.1115 ppm	0.5028 ppm
Concentration RSD	3.0 %	0.2 %	0.5 %	0.4 %	0.4 %	3.5 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5011 ppm	98.6840 %	100.4238 %	101.3347 %	98.5274 %	98.7930 %	101.1748 %
Concentration per Run 1	0.5030 ppm	97.6702 %	100.3451 %	102.0050 %	97.3999 %	99.0659 %	101.7625 %
Concentration per Run 2	0.4988 ppm	98.9740 %	101.3187 %	101.3914 %	98.9471 %	98.0721 %	101.2626 %
Concentration per Run 3	0.5016 ppm	99.4077 %	100.6077 %	100.6076 %	99.2351 %	99.2412 %	100.4994 %
Concentration RSD	0.4 %	0.9 %	0.2 %	0.7 %	1.0 %	0.6 %	0.6 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2556514-01 WG2113691

Analysis started at: 9/12/2025 8:19:06 AM

Rack 1

Vial 7

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0064 ppm	-0.0006 ppm	0.0086 ppm	0.0084 ppm	0.0000 ppm	194.3204 ppm
Concentration per Run 1	-0.0002 ppm	-0.0089 ppm	-0.0017 ppm	0.0068 ppm	0.0083 ppm	0.0000 ppm	194.2237 ppm
Concentration per Run 2	-0.0003 ppm	-0.0070 ppm	0.0005 ppm	0.0095 ppm	0.0084 ppm	0.0000 ppm	194.7646 ppm
Concentration per Run 3	-0.0006 ppm	-0.0033 ppm	-0.0007 ppm	0.0096 ppm	0.0085 ppm	0.0000 ppm	193.9730 ppm
Concentration RSD	66.5 %	44.7 %	165.8 %	18.4 %	1.0 %	365.2 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0008 ppm	-0.0006 ppm	-0.0001 ppm	0.0026 ppm	0.0021 ppm	0.0762 ppm	0.0007 ppm
Concentration per Run 1	-0.0005 ppm	-0.0013 ppm	0.0011 ppm	0.0030 ppm	0.0008 ppm	0.0674 ppm	0.0000 ppm
Concentration per Run 2	-0.0011 ppm	-0.0013 ppm	-0.0006 ppm	0.0030 ppm	0.0041 ppm	0.0586 ppm	0.0012 ppm
Concentration per Run 3	-0.0008 ppm	0.0008 ppm	-0.0007 ppm	0.0018 ppm	0.0013 ppm	0.1027 ppm	0.0009 ppm
Concentration RSD	34.7 %	195.1 %	1.398.3 %	27.7 %	85.3 %	30.6 %	94.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5203 ppm	0.0261 ppm	0.0027 ppm	0.0909 ppm	-0.0013 ppm	0.0089 ppm	-0.0082 ppm
Concentration per Run 1	0.5190 ppm	0.0263 ppm	0.0028 ppm	0.0927 ppm	-0.0011 ppm	0.0113 ppm	-0.0067 ppm
Concentration per Run 2	0.5225 ppm	0.0259 ppm	0.0029 ppm	0.0854 ppm	-0.0034 ppm	0.0064 ppm	-0.0084 ppm
Concentration per Run 3	0.5196 ppm	0.0261 ppm	0.0023 ppm	0.0946 ppm	-0.0004 ppm	0.0089 ppm	-0.0094 ppm
Concentration RSD	0.4 %	0.7 %	13.3 %	5.3 %	143.8 %	27.4 %	17.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0002 ppm	0.0371 ppm	0.0004 ppm	0.0648 ppm	-0.0011 ppm	-0.0045 ppm	0.0007 ppm
Concentration per Run 1	0.0011 ppm	0.0385 ppm	-0.0022 ppm	0.0644 ppm	-0.0010 ppm	-0.0025 ppm	0.0006 ppm
Concentration per Run 2	-0.0008 ppm	0.0339 ppm	0.0011 ppm	0.0650 ppm	-0.0006 ppm	-0.0034 ppm	0.0009 ppm
Concentration per Run 3	-0.0008 ppm	0.0387 ppm	0.0024 ppm	0.0651 ppm	-0.0015 ppm	-0.0077 ppm	0.0006 ppm
Concentration RSD	585.8 %	7.3 %	550.0 %	0.6 %	40.8 %	61.5 %	26.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0095 ppm	99.1927 %	101.7882 %	101.6194 %	99.2971 %	100.1253 %	101.9889 %
Concentration per Run 1	0.0095 ppm	99.9423 %	102.2459 %	101.3710 %	99.5346 %	100.5389 %	101.2138 %
Concentration per Run 2	0.0096 ppm	98.9193 %	101.8458 %	101.2592 %	99.0755 %	100.2582 %	102.0067 %
Concentration per Run 3	0.0096 ppm	98.7165 %	101.2730 %	102.2278 %	99.2810 %	99.5787 %	102.7460 %
Concentration RSD	0.4 %	0.7 %	0.5 %	0.5 %	0.2 %	0.5 %	0.8 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2113691-3 WG2113691

Analysis started at: 9/12/2025 8:22:20 AM

Rack 1

Vial 8

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0499 ppm	2.0266 ppm	0.1171 ppm	1.0072 ppm	1.9808 ppm	0.0495 ppm	208.5114 ppm
Concentration per Run 1	0.0498 ppm	2.0108 ppm	0.1184 ppm	1.0022 ppm	1.9805 ppm	0.0496 ppm	208.2857 ppm
Concentration per Run 2	0.0490 ppm	2.0367 ppm	0.1176 ppm	1.0071 ppm	1.9809 ppm	0.0494 ppm	208.6771 ppm
Concentration per Run 3	0.0508 ppm	2.0323 ppm	0.1152 ppm	1.0123 ppm	1.9810 ppm	0.0494 ppm	208.5714 ppm
Concentration RSD	1.7 %	0.7 %	1.4 %	0.5 %	0.0 %	0.3 %	0.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0512 ppm	0.4861 ppm	0.1970 ppm	0.2584 ppm	0.9668 ppm	10.5387 ppm	0.0009 ppm
Concentration per Run 1	0.0510 ppm	0.4879 ppm	0.1967 ppm	0.2578 ppm	0.9703 ppm	10.5541 ppm	0.0023 ppm
Concentration per Run 2	0.0511 ppm	0.4849 ppm	0.1988 ppm	0.2598 ppm	0.9636 ppm	10.5256 ppm	-0.0005 ppm
Concentration per Run 3	0.0515 ppm	0.4856 ppm	0.1957 ppm	0.2577 ppm	0.9667 ppm	10.5364 ppm	0.0011 ppm
Concentration RSD	0.6 %	0.3 %	0.8 %	0.5 %	0.3 %	0.1 %	152.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.2866 ppm	0.5218 ppm	1.0105 ppm	10.5559 ppm	0.4913 ppm	0.5432 ppm	0.4989 ppm
Concentration per Run 1	10.2734 ppm	0.5204 ppm	1.0082 ppm	10.5579 ppm	0.4904 ppm	0.5425 ppm	0.5000 ppm
Concentration per Run 2	10.3222 ppm	0.5231 ppm	1.0154 ppm	10.5186 ppm	0.4928 ppm	0.5433 ppm	0.4950 ppm
Concentration per Run 3	10.2642 ppm	0.5220 ppm	1.0080 ppm	10.5912 ppm	0.4908 ppm	0.5439 ppm	0.5018 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.3 %	0.3 %	0.1 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1194 ppm	0.7749 ppm	0.9756 ppm	1.0526 ppm	1.0008 ppm	0.1161 ppm	0.5054 ppm
Concentration per Run 1	0.1144 ppm	0.7730 ppm	0.9763 ppm	1.0497 ppm	1.0002 ppm	0.1162 ppm	0.5039 ppm
Concentration per Run 2	0.1233 ppm	0.7727 ppm	0.9748 ppm	1.0562 ppm	1.0045 ppm	0.1195 ppm	0.5070 ppm
Concentration per Run 3	0.1204 ppm	0.7790 ppm	0.9757 ppm	1.0520 ppm	0.9978 ppm	0.1126 ppm	0.5053 ppm
Concentration RSD	3.8 %	0.5 %	0.1 %	0.3 %	0.3 %	3.0 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5022 ppm	99.6099 %	101.0584 %	101.1192 %	99.1157 %	99.4998 %	101.5807 %
Concentration per Run 1	0.5029 ppm	99.2101 %	101.0220 %	100.5064 %	98.9493 %	99.3126 %	100.7409 %
Concentration per Run 2	0.5036 ppm	99.9098 %	100.8529 %	101.2605 %	99.1943 %	99.6953 %	101.4594 %
Concentration per Run 3	0.5001 ppm	99.7097 %	101.3003 %	101.5906 %	99.2034 %	99.4916 %	102.5418 %
Concentration RSD	0.4 %	0.4 %	0.2 %	0.5 %	0.1 %	0.2 %	0.9 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2113691-4.WG2113691

Analysis started at: 9/12/2025 8:25:34 AM

Rack 1

Vial 9

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	0.0039 ppm	0.0003 ppm	0.0098 ppm	0.0086 ppm	0.0000 ppm	196.0817 ppm
Concentration per Run 1	-0.0006 ppm	0.0067 ppm	0.0032 ppm	0.0107 ppm	0.0087 ppm	0.0000 ppm	196.3351 ppm
Concentration per Run 2	0.0001 ppm	0.0021 ppm	-0.0014 ppm	0.0074 ppm	0.0086 ppm	0.0000 ppm	195.4769 ppm
Concentration per Run 3	0.0006 ppm	0.0030 ppm	-0.0008 ppm	0.0113 ppm	0.0085 ppm	0.0000 ppm	196.4331 ppm
Concentration RSD	1.729.3 %	62.4 %	815.3 %	21.6 %	1.6 %	160.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0009 ppm	-0.0012 ppm	0.0005 ppm	0.0020 ppm	0.0037 ppm	0.0888 ppm	0.0008 ppm
Concentration per Run 1	-0.0011 ppm	-0.0026 ppm	0.0006 ppm	0.0018 ppm	0.0010 ppm	0.1053 ppm	0.0010 ppm
Concentration per Run 2	-0.0009 ppm	0.0002 ppm	0.0007 ppm	0.0020 ppm	0.0019 ppm	0.0923 ppm	0.0010 ppm
Concentration per Run 3	-0.0007 ppm	-0.0012 ppm	0.0003 ppm	0.0022 ppm	0.0030 ppm	0.0689 ppm	0.0005 ppm
Concentration RSD	19.4 %	114.5 %	43.7 %	10.2 %	59.2 %	20.8 %	35.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5272 ppm	0.0266 ppm	0.0037 ppm	0.0982 ppm	-0.0016 ppm	0.0083 ppm	-0.0035 ppm
Concentration per Run 1	0.5281 ppm	0.0266 ppm	0.0044 ppm	0.1014 ppm	-0.0035 ppm	0.0088 ppm	0.0009 ppm
Concentration per Run 2	0.5245 ppm	0.0268 ppm	0.0032 ppm	0.0957 ppm	-0.0007 ppm	0.0100 ppm	-0.0015 ppm
Concentration per Run 3	0.5290 ppm	0.0264 ppm	0.0036 ppm	0.0974 ppm	-0.0008 ppm	0.0062 ppm	-0.0097 ppm
Concentration RSD	0.5 %	0.8 %	16.2 %	3.0 %	97.7 %	23.3 %	160.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0016 ppm	0.0397 ppm	0.0025 ppm	0.0659 ppm	-0.0012 ppm	-0.0061 ppm	-0.0003 ppm
Concentration per Run 1	0.0044 ppm	0.0427 ppm	0.0040 ppm	0.0666 ppm	-0.0002 ppm	-0.0095 ppm	-0.0008 ppm
Concentration per Run 2	0.0003 ppm	0.0350 ppm	0.0034 ppm	0.0656 ppm	-0.0021 ppm	-0.0085 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	0.0413 ppm	0.0000 ppm	0.0655 ppm	-0.0015 ppm	-0.0001 ppm	-0.0002 ppm
Concentration RSD	150.6 %	10.3 %	88.6 %	0.9 %	75.8 %	85.0 %	193.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0105 ppm	99.7610 %	99.9798 %	101.3789 %	99.2894 %	98.5561 %	101.8265 %
Concentration per Run 1	0.0107 ppm	99.4431 %	99.6416 %	100.6626 %	99.0979 %	98.7210 %	101.4195 %
Concentration per Run 2	0.0104 ppm	99.7253 %	100.4930 %	101.5649 %	99.2632 %	98.6521 %	101.1415 %
Concentration per Run 3	0.0105 ppm	100.1146 %	99.8050 %	101.9093 %	99.5072 %	98.2951 %	102.9186 %
Concentration RSD	1.2 %	0.3 %	0.5 %	0.6 %	0.2 %	0.2 %	0.9 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCV
Analysis started at: 9/12/2025 8:28:48 AM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4956 ppm	0.4972 ppm		0.5062 ppm	0.5030 ppm	0.5156 ppm	0.5247 ppm
Concentration per Run 1	0.4978 ppm	0.4933 ppm	0.5000 ppm	0.5036 ppm	0.5159 ppm	0.5253 ppm	0.5253 ppm
Concentration per Run 2	0.4981 ppm	0.5034 ppm	0.4955 ppm	0.5100 ppm	0.4998 ppm	0.5129 ppm	0.5236 ppm
Concentration per Run 3	0.4907 ppm	0.4950 ppm	0.4955 ppm	0.5052 ppm	0.5058 ppm	0.5181 ppm	0.5251 ppm
Recovery Percentage 1	99.110 %	99.446 %	99.402 %	101.250 %	100.599 %	103.126 %	104.934 %
Concentration RSD	0.9 %	1.1 %	0.5 %	0.7 %	0.6 %	0.5 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5139 ppm	0.5198 ppm	0.5160 ppm	0.5068 ppm	0.5051 ppm	5.2230 ppm	0.5234 ppm
Concentration per Run 1	0.5119 ppm	0.5171 ppm	0.5180 ppm	0.5062 ppm	0.5040 ppm	5.2283 ppm	0.5262 ppm
Concentration per Run 2	0.5180 ppm	0.5223 ppm	0.5181 ppm	0.5101 ppm	0.5039 ppm	5.1741 ppm	0.5181 ppm
Concentration per Run 3	0.5118 ppm	0.5200 ppm	0.5121 ppm	0.5041 ppm	0.5074 ppm	5.2668 ppm	0.5260 ppm
Recovery Percentage 1	102.783 %	103.962 %	103.208 %	101.357 %	101.019 %	104.461 %	104.689 %
Concentration RSD	0.7 %	0.5 %	0.7 %	0.6 %	0.4 %	0.9 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5031 ppm	0.5193 ppm	0.5114 ppm	10.3895 ppm	0.5180 ppm	0.5196 ppm	0.5247 ppm
Concentration per Run 1	0.4970 ppm	0.5199 ppm	0.5088 ppm	10.3731 ppm	0.5149 ppm	0.5229 ppm	0.5150 ppm
Concentration per Run 2	0.5058 ppm	0.5171 ppm	0.5150 ppm	10.4244 ppm	0.5250 ppm	0.5186 ppm	0.5382 ppm
Concentration per Run 3	0.5063 ppm	0.5209 ppm	0.5103 ppm	10.3709 ppm	0.5141 ppm	0.5174 ppm	0.5207 ppm
Recovery Percentage 1	100.612 %	103.863 %	102.275 %	103.895 %	103.588 %	103.927 %	104.932 %
Concentration RSD	1.0 %	0.4 %	0.6 %	0.3 %	1.2 %	0.6 %	2.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5070 ppm	5.3418 ppm	0.5030 ppm	0.5053 ppm	0.5067 ppm	0.5058 ppm	0.5173 ppm
Concentration per Run 1	0.5038 ppm	5.3415 ppm	0.5007 ppm	0.5069 ppm	0.5063 ppm	0.5053 ppm	0.5156 ppm
Concentration per Run 2	0.5120 ppm	5.3763 ppm	0.5108 ppm	0.5013 ppm	0.5098 ppm	0.4996 ppm	0.5197 ppm
Concentration per Run 3	0.5051 ppm	5.3076 ppm	0.4974 ppm	0.5076 ppm	0.5041 ppm	0.5124 ppm	0.5166 ppm
Recovery Percentage 1	101.398 %	101.748 %	100.600 %	101.054 %	101.341 %	101.156 %	103.459 %
Concentration RSD	0.9 %	0.6 %	1.4 %	0.7 %	0.6 %	1.3 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5217 ppm	100.1179 %	102.2416 %	103.4089 %	99.9705 %	100.7494 %	102.7821 %
Concentration per Run 1	0.5199 ppm	100.9055 %	102.8960 %	103.8268 %	100.6092 %	101.3115 %	102.7734 %
Concentration per Run 2	0.5295 ppm	99.0462 %	102.2168 %	103.2983 %	99.2361 %	101.7248 %	103.0858 %
Concentration per Run 3	0.5159 ppm	100.4021 %	101.6120 %	103.1017 %	100.0662 %	100.2120 %	102.4871 %
Recovery Percentage 1	104.349 %						
Concentration RSD	1.3 %	1.0 %	0.6 %	0.4 %	0.7 %	0.5 %	0.3 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCB
Analysis started at: 9/12/2025 8:32:02 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	0.0002 ppm	0.0021 ppm	-0.0012 ppm	0.0022 ppm	0.0002 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run 1	0.0009 ppm	0.0029 ppm	-0.0014 ppm	0.0013 ppm	0.0003 ppm	0.0001 ppm	-0.0007 ppm
Concentration per Run 2	-0.0012 ppm	0.0017 ppm	-0.0032 ppm	0.0018 ppm	0.0002 ppm	0.0001 ppm	0.0032 ppm
Concentration per Run 3	0.0010 ppm	0.0017 ppm	0.0011 ppm	0.0034 ppm	0.0001 ppm	0.0001 ppm	-0.0010 ppm
Recovery Percentage 1	3.155 %	2.076 %	-23.744 %	7.247 %	1.999 %	1.808 %	0.490 %
Concentration RSD	552.2 %	33.0 %	181.5 %	50.0 %	40.9 %	8.6 %	483.3 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0000 ppm	-0.0007 ppm	0.0010 ppm	0.0003 ppm	-0.0006 ppm	0.0157 ppm	0.0013 ppm
Concentration per Run 1	-0.0001 ppm	-0.0015 ppm	0.0010 ppm	-0.0010 ppm	0.0015 ppm	0.0049 ppm	0.0016 ppm
Concentration per Run 2	0.0001 ppm	-0.0005 ppm	0.0009 ppm	0.0005 ppm	-0.0027 ppm	0.0250 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0011 ppm	0.0009 ppm	-0.0007 ppm	0.0171 ppm	0.0013 ppm
Recovery Percentage 1	0.060 %	-3.668 %	9.874 %	2.845 %	-1.281 %	0.628 %	26.314 %
Concentration RSD	4,060.7 %	91.6 %	7.5 %	255.1 %	330.8 %	64.5 %	21.8 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0033 ppm	-0.0002 ppm	0.0033 ppm	0.0031 ppm	-0.0028 ppm	0.0003 ppm	-0.0045 ppm
Concentration per Run 1	0.0053 ppm	0.0000 ppm	0.0042 ppm	0.0049 ppm	-0.0046 ppm	0.0022 ppm	-0.0107 ppm
Concentration per Run 2	0.0053 ppm	-0.0001 ppm	0.0034 ppm	0.0054 ppm	-0.0026 ppm	-0.0021 ppm	-0.0015 ppm
Concentration per Run 3	-0.0007 ppm	-0.0004 ppm	0.0023 ppm	-0.0009 ppm	-0.0013 ppm	0.0008 ppm	-0.0017 ppm
Recovery Percentage 1	3.301 %	-1.763 %	6.623 %	0.157 %	-11.360 %	3.249 %	-9.252 %
Concentration RSD	104.6 %	104.8 %	30.1 %	111.1 %	59.3 %	678.0 %	113.6 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	0.0014 ppm	-0.0024 ppm	0.0019 ppm	0.0000 ppm	-0.0006 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run 1	0.0044 ppm	-0.0049 ppm	-0.0004 ppm	0.0001 ppm	-0.0006 ppm	-0.0003 ppm	-0.0010 ppm
Concentration per Run 2	0.0024 ppm	0.0013 ppm	0.0029 ppm	0.0000 ppm	-0.0006 ppm	0.0009 ppm	0.0004 ppm
Concentration per Run 3	-0.0025 ppm	-0.0036 ppm	0.0033 ppm	0.0000 ppm	-0.0005 ppm	-0.0010 ppm	-0.0008 ppm
Recovery Percentage 1	14.391 %	-0.485 %	3.899 %	0.309 %	-5.766 %	-0.618 %	-4.980 %
Concentration RSD	244.2 %	134.3 %	106.4 %	100.3 %	8.8 %	783.8 %	149.2 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	-0.0004 ppm	98.1488 %	99.9527 %	101.8052 %	99.2247 %	99.9269 %	102.1393 %
Concentration per Run 1	-0.0007 ppm	97.8602 %	100.2371 %	102.8948 %	99.0094 %	100.5775 %	102.8146 %
Concentration per Run 2	0.0000 ppm	99.4749 %	101.4340 %	101.4340 %	98.9573 %	99.5138 %	102.3357 %
Concentration per Run 3	-0.0006 ppm	98.8711 %	100.1461 %	101.0868 %	99.7073 %	99.6894 %	101.2675 %
Recovery Percentage 1	-8.052 %	0.6 %	0.4 %	0.9 %	0.4 %	0.6 %	0.8 %
Concentration RSD	98.5 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112698-1 WG2112698

Analysis started at: 9/12/2025 9:41:48 AM

Rack 1

Vial 10

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	-0.0005 ppm	0.0104 ppm	0.0025 ppm	0.0016 ppm	0.0002 ppm	0.0000 ppm	0.0073 ppm
Concentration per Run 1	-0.0007 ppm	0.0143 ppm	0.0021 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0082 ppm
Concentration per Run 2	-0.0005 ppm	0.0052 ppm	0.0014 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0050 ppm
Concentration per Run 3	-0.0002 ppm	0.0117 ppm	0.0039 ppm	0.0046 ppm	0.0001 ppm	0.0000 ppm	0.0086 ppm
Recovery Percentage 1	-6.863 %	10.378 %	49.316 %	5.437 %	2.055 %	0.084 %	7.271 %
Concentration RSD	52.1 %	45.0 %	51.2 %	156.1 %	41.6 %	1.181.0 %	26.9 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0015 ppm	-0.0029 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0006 ppm	-0.0004 ppm	-0.0004 ppm	0.0011 ppm	-0.0095 ppm	0.0008 ppm
Concentration per Run 2	0.0001 ppm	-0.0003 ppm	0.0004 ppm	0.0005 ppm	0.0019 ppm	0.0084 ppm	0.0009 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0002 ppm	0.0014 ppm	-0.0076 ppm	0.0005 ppm
Recovery Percentage 1	1.940 %	-1.524 %	1.680 %	-0.307 %	2.923 %	-0.116 %	11.672 %
Concentration RSD	79.9 %	110.5 %	297.2 %	1.598.1 %	29.5 %	340.2 %	26.3 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	0.0078 ppm	0.0002 ppm	0.0004 ppm	0.0015 ppm	0.0007 ppm	0.0009 ppm	-0.0032 ppm
Concentration per Run 1	0.0032 ppm	-0.0001 ppm	0.0005 ppm	0.0027 ppm	0.0005 ppm	0.0006 ppm	0.0049 ppm
Concentration per Run 2	0.0063 ppm	0.0002 ppm	-0.0006 ppm	0.0035 ppm	0.0022 ppm	-0.0004 ppm	-0.0051 ppm
Concentration per Run 3	0.0140 ppm	0.0005 ppm	0.0013 ppm	-0.0016 ppm	-0.0005 ppm	0.0025 ppm	-0.0094 ppm
Recovery Percentage 1	7.838 %	2.251 %	0.845 %	0.076 %	2.859 %	8.956 %	-6.426 %
Concentration RSD	70.9 %	123.0 %	223.4 %	180.4 %	187.9 %	167.0 %	228.8 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	-0.0019 ppm	-0.0006 ppm	0.0009 ppm	0.0000 ppm	-0.0011 ppm	0.0015 ppm	0.0000 ppm
Concentration per Run 1	-0.0056 ppm	-0.0010 ppm	0.0039 ppm	-0.0001 ppm	-0.0004 ppm	0.0060 ppm	-0.0006 ppm
Concentration per Run 2	0.0017 ppm	0.0026 ppm	0.0016 ppm	0.0000 ppm	-0.0023 ppm	-0.0008 ppm	0.0007 ppm
Concentration per Run 3	-0.0018 ppm	-0.0034 ppm	-0.0029 ppm	0.0000 ppm	-0.0006 ppm	-0.0009 ppm	-0.0001 ppm
Recovery Percentage 1	-19.204 %	-0.126 %	1.740 %	-0.094 %	-11.096 %	7.270 %	0.156 %
Concentration RSD	189.8 %	480.0 %	401.0 %	389.3 %	95.9 %	271.4 %	4.245.1 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	0.0010 ppm	99.8895 %	102.8801 %	103.9580 %	100.5630 %	102.0830 %	103.9160 %
Concentration per Run 1	0.0008 ppm	100.2520 %	103.7212 %	103.5265 %	100.6373 %	102.0802 %	104.2246 %
Concentration per Run 2	0.0010 ppm	99.7885 %	102.7648 %	104.6565 %	101.0174 %	102.3825 %	104.2859 %
Concentration per Run 3	0.0011 ppm	99.6281 %	102.1544 %	103.6912 %	100.0342 %	101.7862 %	103.2375 %
Recovery Percentage 1	19.864 %	0.3 %	0.8 %	0.6 %	0.5 %	0.3 %	0.6 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112698-2 WG2112698

Analysis started at: 9/12/2025 9:45:14 AM

Rack 1

Vial 11

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0504 ppm	1.9971 ppm	0.1220 ppm	1.0176 ppm	1.9332 ppm	0.0489 ppm	10.0953 ppm
Concentration per Run 1	0.0490 ppm	1.9868 ppm	0.1256 ppm	1.0126 ppm	1.9355 ppm	0.0489 ppm	10.0564 ppm
Concentration per Run 2	0.0505 ppm	2.0077 ppm	0.1206 ppm	1.0219 ppm	1.9333 ppm	0.0490 ppm	10.0970 ppm
Concentration per Run 3	0.0517 ppm	1.9968 ppm	0.1198 ppm	1.0183 ppm	1.9307 ppm	0.0489 ppm	10.1327 ppm
Concentration RSD	2.7 %	0.5 %	2.6 %	0.5 %	0.1 %	0.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0524 ppm	0.4883 ppm	0.1970 ppm	0.2387 ppm	0.9695 ppm	10.3287 ppm	0.0002 ppm
Concentration per Run 1	0.0522 ppm	0.4838 ppm	0.1966 ppm	0.2375 ppm	0.9697 ppm	10.3301 ppm	-0.0002 ppm
Concentration per Run 2	0.0524 ppm	0.4881 ppm	0.1956 ppm	0.2384 ppm	0.9685 ppm	10.3038 ppm	0.0020 ppm
Concentration per Run 3	0.0526 ppm	0.4929 ppm	0.1988 ppm	0.2403 ppm	0.9703 ppm	10.3522 ppm	-0.0011 ppm
Concentration RSD	0.4 %	0.9 %	0.8 %	0.6 %	0.1 %	0.2 %	682.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.9622 ppm	0.4925 ppm	0.9990 ppm	10.3195 ppm	0.4953 ppm	0.5354 ppm	0.3553 ppm
Concentration per Run 1	9.9037 ppm	0.4893 ppm	0.9836 ppm	10.3291 ppm	0.4907 ppm	0.5396 ppm	0.3481 ppm
Concentration per Run 2	9.9801 ppm	0.4943 ppm	0.9992 ppm	10.3423 ppm	0.4973 ppm	0.5382 ppm	0.3549 ppm
Concentration per Run 3	10.0027 ppm	0.4940 ppm	1.0142 ppm	10.2872 ppm	0.4978 ppm	0.5285 ppm	0.3630 ppm
Concentration RSD	0.5 %	0.6 %	1.5 %	0.3 %	0.8 %	1.1 %	2.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1212 ppm	0.9724 ppm	0.9569 ppm	0.9809 ppm	1.0098 ppm	0.1208 ppm	0.5004 ppm
Concentration per Run 1	0.1192 ppm	0.9650 ppm	0.9502 ppm	0.9808 ppm	1.0031 ppm	0.1172 ppm	0.4982 ppm
Concentration per Run 2	0.1233 ppm	0.9696 ppm	0.9671 ppm	0.9830 ppm	1.0093 ppm	0.1244 ppm	0.5018 ppm
Concentration per Run 3	0.1211 ppm	0.9827 ppm	0.9535 ppm	0.9788 ppm	1.0170 ppm	0.1206 ppm	0.5013 ppm
Concentration RSD	1.7 %	0.9 %	0.9 %	0.2 %	0.7 %	3.0 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5036 ppm	100.3354 %	102.6666 %	103.5217 %	101.1254 %	102.5004 %
Concentration per Run 1	0.5010 ppm	100.9441 %	102.9907 %	104.2047 %	100.3584 %	102.9297 %
Concentration per Run 2	0.5067 ppm	99.8086 %	103.0031 %	102.7547 %	101.8810 %	101.9873 %
Concentration per Run 3	0.5032 ppm	100.2535 %	102.0059 %	103.6057 %	100.4211 %	102.5840 %
Concentration RSD	0.6 %	0.6 %	0.6 %	0.7 %	0.2 %	0.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555938-01 WG2112698

Analysis started at: 9/12/2025 9:48:29 AM

Rack 1

Vial 12

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0002 ppm	-0.0048 ppm	0.0005 ppm	0.0250 ppm	0.0849 ppm	0.0000 ppm	103.5126 ppm
Concentration per Run 1	0.0005 ppm	-0.0022 ppm	0.0008 ppm	0.0263 ppm	0.0859 ppm	0.0000 ppm	103.8737 ppm
Concentration per Run 2	0.0000 ppm	-0.0125 ppm	0.0028 ppm	0.0251 ppm	0.0842 ppm	0.0000 ppm	103.6627 ppm
Concentration per Run 3	0.0003 ppm	0.0004 ppm	-0.0021 ppm	0.0237 ppm	0.0846 ppm	0.0000 ppm	103.0014 ppm
Concentration RSD	113.8 %	142.9 %	505.6 %	5.0 %	1.0 %	60.8 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0008 ppm	-0.0015 ppm	-0.0003 ppm	0.0015 ppm	0.0016 ppm	3.0177 ppm	-0.0001 ppm
Concentration per Run 1	-0.0007 ppm	-0.0018 ppm	-0.0015 ppm	0.0012 ppm	0.0013 ppm	3.0714 ppm	0.0008 ppm
Concentration per Run 2	-0.0008 ppm	-0.0029 ppm	0.0003 ppm	0.0008 ppm	0.0020 ppm	2.9599 ppm	-0.0018 ppm
Concentration per Run 3	-0.0009 ppm	0.0003 ppm	0.0003 ppm	0.0023 ppm	0.0014 ppm	2.9818 ppm	0.0007 ppm
Concentration RSD	16.9 %	111.8 %	392.6 %	52.5 %	22.5 %	1.6 %	1,516.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	24.3904 ppm	0.0000 ppm	0.0066 ppm	4.0687 ppm	-0.0005 ppm	0.0009 ppm	0.0029 ppm
Concentration per Run 1	24.3117 ppm	0.0001 ppm	0.0071 ppm	4.0645 ppm	-0.0023 ppm	-0.0017 ppm	-0.0017 ppm
Concentration per Run 2	24.4319 ppm	0.0002 ppm	0.0069 ppm	4.0785 ppm	0.0002 ppm	-0.0014 ppm	-0.0041 ppm
Concentration per Run 3	24.4277 ppm	-0.0001 ppm	0.0057 ppm	4.0631 ppm	0.0006 ppm	0.0045 ppm	0.0145 ppm
Concentration RSD	0.3 %	353.2 %	11.2 %	0.2 %	300.9 %	343.5 %	352.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0040 ppm	5.4398 ppm	0.0066 ppm	0.2312 ppm	-0.0007 ppm	0.0003 ppm	-0.0008 ppm
Concentration per Run 1	-0.0046 ppm	5.4231 ppm	0.0031 ppm	0.2342 ppm	-0.0009 ppm	-0.0045 ppm	-0.0009 ppm
Concentration per Run 2	-0.0037 ppm	5.4554 ppm	0.0105 ppm	0.2296 ppm	-0.0004 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 3	-0.0036 ppm	5.4408 ppm	0.0061 ppm	0.2297 ppm	-0.0009 ppm	0.0052 ppm	-0.0016 ppm
Concentration RSD	14.4 %	0.3 %	56.6 %	1.1 %	40.9 %	1,420.1 %	116.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0013 ppm	100.6339 %	102.2687 %	103.5364 %	100.6242 %	101.0875 %	103.5223 %
Concentration per Run 1	0.0012 ppm	100.9877 %	102.2597 %	102.8498 %	100.4233 %	101.5407 %	103.0023 %
Concentration per Run 2	0.0016 ppm	100.4241 %	101.6913 %	102.8227 %	101.9555 %	101.1210 %	103.1210 %
Concentration per Run 3	0.0010 ppm	100.4899 %	102.8550 %	104.9367 %	100.9169 %	100.5264 %	104.4436 %
Concentration RSD	26.5 %	0.3 %	0.6 %	1.2 %	0.3 %	0.5 %	0.8 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112698-3 WG2112698

Analysis started at: 9/12/2025 9:51:44 AM

Rack 1

Vial 13

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0508 ppm	2.0594 ppm	0.1255 ppm	1.0477 ppm	2.0685 ppm	0.0505 ppm	112.5958 ppm
Concentration per Run 1	0.0497 ppm	2.0761 ppm	0.1275 ppm	1.0555 ppm	2.0685 ppm	0.0506 ppm	112.9228 ppm
Concentration per Run 2	0.0515 ppm	2.0625 ppm	0.1143 ppm	1.0437 ppm	2.0694 ppm	0.0505 ppm	112.7000 ppm
Concentration per Run 3	0.0513 ppm	2.0394 ppm	0.1346 ppm	1.0439 ppm	2.0678 ppm	0.0503 ppm	112.1645 ppm
Concentration RSD	2.0 %	0.9 %	8.2 %	0.6 %	0.0 %	0.3 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0514 ppm	0.4848 ppm	0.1985 ppm	0.2520 ppm	0.9827 ppm	13.5966 ppm	0.0000 ppm
Concentration per Run 1	0.0517 ppm	0.4866 ppm	0.1996 ppm	0.2513 ppm	0.9828 ppm	13.5687 ppm	0.0014 ppm
Concentration per Run 2	0.0514 ppm	0.4858 ppm	0.1982 ppm	0.2549 ppm	0.9828 ppm	13.6810 ppm	-0.0003 ppm
Concentration per Run 3	0.0510 ppm	0.4820 ppm	0.1977 ppm	0.2497 ppm	0.9825 ppm	13.5402 ppm	-0.0011 ppm
Concentration RSD	0.7 %	0.5 %	0.5 %	1.1 %	0.0 %	0.5 %	5.936.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	34.0079 ppm	0.4958 ppm	0.9887 ppm	14.4952 ppm	0.4914 ppm	0.5436 ppm	0.3713 ppm
Concentration per Run 1	34.3691 ppm	0.4990 ppm	0.9977 ppm	14.4636 ppm	0.4978 ppm	0.5506 ppm	0.3744 ppm
Concentration per Run 2	34.0215 ppm	0.4955 ppm	0.9895 ppm	14.5988 ppm	0.4858 ppm	0.4834 ppm	0.3628 ppm
Concentration per Run 3	33.6333 ppm	0.4929 ppm	0.9789 ppm	14.4261 ppm	0.4907 ppm	0.5968 ppm	0.3768 ppm
Concentration RSD	1.1 %	0.6 %	1.0 %	0.6 %	1.2 %	10.5 %	2.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1228 ppm	6.3807 ppm	0.9441 ppm	1.2215 ppm	1.0081 ppm	0.1228 ppm	0.5102 ppm
Concentration per Run 1	0.1249 ppm	6.4510 ppm	0.9598 ppm	1.2228 ppm	1.0170 ppm	0.1268 ppm	0.5138 ppm
Concentration per Run 2	0.1071 ppm	6.3797 ppm	0.9323 ppm	1.2186 ppm	1.0055 ppm	0.1098 ppm	0.5112 ppm
Concentration per Run 3	0.1365 ppm	6.3114 ppm	0.9402 ppm	1.2231 ppm	1.0017 ppm	0.1318 ppm	0.5058 ppm
Concentration RSD	12.1 %	1.1 %	1.5 %	0.2 %	0.8 %	9.4 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5006 ppm	100.3788 %	101.1692 %	103.0045 %	100.1654 %	100.4351 %	102.4771 %
Concentration per Run 1	0.5064 ppm	99.0864 %	101.1543 %	101.1087 %	99.9789 %	101.1078 %	100.8433 %
Concentration per Run 2	0.4976 ppm	100.7607 %	100.5258 %	113.3630 %	100.7355 %	99.3738 %	112.2052 %
Concentration per Run 3	0.4979 ppm	101.2892 %	101.8275 %	94.5418 %	100.7819 %	100.8237 %	94.3828 %
Concentration RSD	1.0 %	1.1 %	0.6 %	9.3 %	1.0 %	0.9 %	8.8 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112698-4.WG2112698

Analysis started at: 9/12/2025 9:54:57 AM

Rack 1

Vial 14

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0000 ppm	-0.0035 ppm	-0.0003 ppm	0.0212 ppm	0.0843 ppm	0.0000 ppm	103.0348 ppm
Concentration per Run 1	0.0000 ppm	0.0061 ppm	0.0008 ppm	0.0224 ppm	0.0845 ppm	0.0000 ppm	102.9563 ppm
Concentration per Run 2	0.0004 ppm	-0.0029 ppm	0.0019 ppm	0.0214 ppm	0.0841 ppm	0.0000 ppm	102.9138 ppm
Concentration per Run 3	-0.0005 ppm	-0.0138 ppm	-0.0036 ppm	0.0197 ppm	0.0842 ppm	-0.0001 ppm	103.2344 ppm
Concentration RSD	3.895.6 %	282.2 %	972.3 %	6.4 %	0.3 %	1.645.8 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0009 ppm	-0.0008 ppm	-0.0001 ppm	0.0014 ppm	0.0062 ppm	3.0118 ppm	0.0005 ppm
Concentration per Run 1	-0.0008 ppm	-0.0003 ppm	0.0002 ppm	0.0016 ppm	0.0055 ppm	3.0220 ppm	0.0016 ppm
Concentration per Run 2	-0.0011 ppm	-0.0004 ppm	-0.0003 ppm	0.0008 ppm	0.0059 ppm	3.0079 ppm	0.0007 ppm
Concentration per Run 3	-0.0009 ppm	-0.0016 ppm	-0.0001 ppm	0.0016 ppm	0.0072 ppm	3.0053 ppm	-0.0007 ppm
Concentration RSD	17.2 %	91.4 %	388.8 %	32.9 %	14.4 %	0.3 %	225.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	24.0510 ppm	0.0001 ppm	0.0088 ppm	4.0490 ppm	-0.0015 ppm	0.0001 ppm	0.0031 ppm
Concentration per Run 1	24.0593 ppm	0.0000 ppm	0.0100 ppm	4.0500 ppm	0.0000 ppm	0.0014 ppm	0.0080 ppm
Concentration per Run 2	24.0439 ppm	0.0001 ppm	0.0078 ppm	4.0483 ppm	-0.0018 ppm	-0.0008 ppm	0.0018 ppm
Concentration per Run 3	24.0497 ppm	0.0001 ppm	0.0087 ppm	4.0489 ppm	-0.0028 ppm	-0.0004 ppm	-0.0004 ppm
Concentration RSD	0.0 %	58.5 %	12.5 %	0.0 %	91.7 %	1.740.3 %	139.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0025 ppm	5.3670 ppm	0.0107 ppm	0.2306 ppm	-0.0008 ppm	-0.0016 ppm	-0.0006 ppm
Concentration per Run 1	-0.0033 ppm	5.3725 ppm	0.0087 ppm	0.2302 ppm	-0.0011 ppm	0.0019 ppm	-0.0003 ppm
Concentration per Run 2	-0.0005 ppm	5.3580 ppm	0.0127 ppm	0.2307 ppm	-0.0005 ppm	-0.0055 ppm	-0.0004 ppm
Concentration per Run 3	-0.0037 ppm	5.3706 ppm	0.0107 ppm	0.2308 ppm	-0.0009 ppm	-0.0011 ppm	-0.0012 ppm
Concentration RSD	69.0 %	0.1 %	19.0 %	0.1 %	32.6 %	233.0 %	83.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Axial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0019 ppm	100.0674 %	100.7560 %	103.4068 %	100.2692 %	99.9037 %	102.7038 %
Concentration per Run 1	0.0016 ppm	100.6132 %	100.1371 %	103.1858 %	100.5871 %	99.1918 %	102.3025 %
Concentration per Run 2	0.0023 ppm	99.6372 %	101.6631 %	103.7434 %	99.9490 %	100.8990 %	103.0721 %
Concentration per Run 3	0.0018 ppm	99.9517 %	100.4679 %	103.2912 %	100.2714 %	99.6204 %	102.7370 %
Concentration RSD	17.4 %	0.5 %	0.8 %	0.3 %	0.3 %	0.9 %	0.4 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112698-5 WG2112698

Analysis started at: 9/12/2025 9:58:09 AM

Rack 1

Vial 15

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0561 ppm	1.9967 ppm	0.1189 ppm	1.0459 ppm	2.0235 ppm	0.0491 ppm	110.6535 ppm
Concentration per Run 1	0.0539 ppm	1.9792 ppm	0.1208 ppm	0.9976 ppm	2.0196 ppm	0.0491 ppm	110.8237 ppm
Concentration per Run 2	0.0594 ppm	2.0070 ppm	0.1200 ppm	1.0987 ppm	2.0240 ppm	0.0491 ppm	110.3601 ppm
Concentration per Run 3	0.0550 ppm	2.0039 ppm	0.1160 ppm	1.0414 ppm	2.0268 ppm	0.0492 ppm	110.7765 ppm
Concentration RSD	5.2 %	0.8 %	2.2 %	4.8 %	0.2 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0523 ppm	0.4890 ppm	0.1996 ppm	0.2546 ppm	0.9641 ppm	13.3249 ppm	0.0003 ppm
Concentration per Run 1	0.0501 ppm	0.4661 ppm	0.1904 ppm	0.2435 ppm	0.9652 ppm	13.2847 ppm	0.0003 ppm
Concentration per Run 2	0.0549 ppm	0.5124 ppm	0.2086 ppm	0.2674 ppm	0.9629 ppm	13.3227 ppm	-0.0002 ppm
Concentration per Run 3	0.0521 ppm	0.4884 ppm	0.1998 ppm	0.2530 ppm	0.9643 ppm	13.3674 ppm	0.0007 ppm
Concentration RSD	4.6 %	4.7 %	4.5 %	4.7 %	0.1 %	0.3 %	183.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	34.4639 ppm	0.4832 ppm	0.9978 ppm	14.1530 ppm	0.4942 ppm	0.5206 ppm	0.3072 ppm
Concentration per Run 1	32.9902 ppm	0.4821 ppm	0.9442 ppm	14.1892 ppm	0.4707 ppm	0.5299 ppm	0.2866 ppm
Concentration per Run 2	36.2691 ppm	0.4822 ppm	1.0436 ppm	14.1474 ppm	0.5163 ppm	0.5245 ppm	0.3234 ppm
Concentration per Run 3	34.1323 ppm	0.4853 ppm	1.0055 ppm	14.1223 ppm	0.4954 ppm	0.5073 ppm	0.3117 ppm
Concentration RSD	4.8 %	0.4 %	5.0 %	0.2 %	4.6 %	2.3 %	6.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1118 ppm	6.1321 ppm	0.9535 ppm	1.1970 ppm	1.0094 ppm	0.1193 ppm	0.5132 ppm
Concentration per Run 1	0.1136 ppm	5.8674 ppm	0.9066 ppm	1.1943 ppm	0.9648 ppm	0.1123 ppm	0.4878 ppm
Concentration per Run 2	0.1138 ppm	6.4123 ppm	0.9955 ppm	1.1945 ppm	1.0612 ppm	0.1248 ppm	0.5399 ppm
Concentration per Run 3	0.1081 ppm	6.1165 ppm	0.9583 ppm	1.2022 ppm	1.0024 ppm	0.1209 ppm	0.5118 ppm
Concentration RSD	2.8 %	4.4 %	4.7 %	0.4 %	4.8 %	5.4 %	5.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5006 ppm	97.1801 %	100.6035 %	102.7704 %	97.3306 %	99.7570 %	101.7219 %
Concentration per Run 1	0.4757 ppm	100.8135 %	100.6866 %	101.5949 %	100.8847 %	99.9449 %	100.6533 %
Concentration per Run 2	0.5269 ppm	93.4877 %	101.3968 %	101.6503 %	92.6041 %	100.2296 %	100.8065 %
Concentration per Run 3	0.4991 ppm	97.2389 %	99.7272 %	105.0659 %	98.5030 %	99.0966 %	103.7058 %
Concentration RSD	5.1 %	3.8 %	0.8 %	1.9 %	4.4 %	0.6 %	1.7 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112698-6D5 WG2112698

Analysis started at: 9/12/2025 10:01:21 AM

Rack 1

Vial 16

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0009 ppm	0.0025 ppm	-0.0008 ppm	0.0069 ppm	0.0170 ppm	0.0000 ppm	20.5452 ppm
Concentration per Run 1	0.0011 ppm	0.0073 ppm	0.0016 ppm	0.0088 ppm	0.0172 ppm	0.0000 ppm	20.5179 ppm
Concentration per Run 2	0.0007 ppm	0.0044 ppm	-0.0049 ppm	0.0052 ppm	0.0167 ppm	0.0001 ppm	20.6655 ppm
Concentration per Run 3	0.0009 ppm	-0.0042 ppm	0.0008 ppm	0.0066 ppm	0.0171 ppm	0.0000 ppm	20.4522 ppm
Concentration RSD	25.1 %	239.6 %	420.4 %	26.0 %	1.6 %	598.7 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0007 ppm	0.0004 ppm	0.0002 ppm	0.0021 ppm	0.6008 ppm	0.0011 ppm
Concentration per Run 1	-0.0004 ppm	0.0009 ppm	0.0005 ppm	0.0012 ppm	0.0037 ppm	0.6091 ppm	0.0015 ppm
Concentration per Run 2	-0.0001 ppm	-0.0022 ppm	0.0000 ppm	0.0006 ppm	0.0011 ppm	0.5859 ppm	0.0011 ppm
Concentration per Run 3	-0.0001 ppm	-0.0009 ppm	0.0006 ppm	-0.0013 ppm	0.0015 ppm	0.6073 ppm	0.0008 ppm
Concentration RSD	99.9 %	208.3 %	100.3 %	729.4 %	68.0 %	2.1 %	33.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.7440 ppm	0.0001 ppm	0.0086 ppm	0.7910 ppm	0.0005 ppm	0.0002 ppm	0.0197 ppm
Concentration per Run 1	4.7424 ppm	-0.0001 ppm	0.0099 ppm	0.7955 ppm	0.0030 ppm	0.0029 ppm	0.0154 ppm
Concentration per Run 2	4.7735 ppm	0.0003 ppm	0.0073 ppm	0.7923 ppm	-0.0021 ppm	-0.0021 ppm	0.0289 ppm
Concentration per Run 3	4.7161 ppm	0.0000 ppm	0.0087 ppm	0.7851 ppm	-0.0010 ppm	-0.0002 ppm	0.0149 ppm
Concentration RSD	0.6 %	337.1 %	15.5 %	0.7 %	498.8 %	1.223.9 %	40.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0023 ppm	1.0402 ppm	0.0287 ppm	0.0452 ppm	-0.0006 ppm	0.0008 ppm	-0.0008 ppm
Concentration per Run 1	-0.0022 ppm	1.0329 ppm	0.0309 ppm	0.0457 ppm	-0.0005 ppm	0.0061 ppm	-0.0004 ppm
Concentration per Run 2	-0.0012 ppm	1.0484 ppm	0.0280 ppm	0.0448 ppm	-0.0004 ppm	-0.0069 ppm	-0.0015 ppm
Concentration per Run 3	-0.0034 ppm	1.0394 ppm	0.0272 ppm	0.0450 ppm	-0.0008 ppm	0.0032 ppm	-0.0006 ppm
Concentration RSD	50.3 %	0.7 %	6.7 %	0.9 %	42.6 %	824.1 %	71.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0001 ppm	99.5628 %	100.8903 %	105.7838 %	99.9258 %	99.7561 %	105.3084 %
Concentration per Run 1	-0.0003 ppm	99.3622 %	100.3693 %	108.8143 %	99.7462 %	99.1698 %	108.8001 %
Concentration per Run 2	0.0004 ppm	99.7242 %	101.3649 %	105.3072 %	100.3472 %	100.2472 %	104.6524 %
Concentration per Run 3	-0.0004 ppm	99.6019 %	100.9369 %	103.2298 %	99.6839 %	99.8513 %	102.4726 %
Concentration RSD	541.4 %	0.2 %	0.5 %	2.7 %	0.4 %	0.5 %	3.1 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555938-02 WG2112698

Analysis started at: 9/12/2025 10:04:34 AM

Rack 1

Vial 17

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0010 ppm	0.0103 ppm	0.0014 ppm	0.0216 ppm	0.0270 ppm	0.0000 ppm	11.4312 ppm
Concentration per Run 1	0.0022 ppm	0.0084 ppm	0.0026 ppm	0.0205 ppm	0.0267 ppm	0.0000 ppm	11.2876 ppm
Concentration per Run 2	0.0008 ppm	0.0128 ppm	-0.0004 ppm	0.0231 ppm	0.0268 ppm	0.0000 ppm	11.3362 ppm
Concentration per Run 3	0.0000 ppm	0.0096 ppm	0.0021 ppm	0.0211 ppm	0.0275 ppm	0.0000 ppm	11.6699 ppm
Concentration RSD	111.0 %	21.8 %	113.3 %	6.5 %	1.6 %	324.6 %	1.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0008 ppm	0.0010 ppm	0.0003 ppm	0.0041 ppm	1.1009 ppm	0.0017 ppm
Concentration per Run 1	-0.0005 ppm	-0.0012 ppm	0.0020 ppm	0.0011 ppm	0.0055 ppm	1.0910 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0006 ppm	0.0028 ppm	1.0805 ppm	0.0019 ppm
Concentration per Run 3	-0.0002 ppm	-0.0008 ppm	0.0010 ppm	-0.0008 ppm	0.0041 ppm	1.1310 ppm	0.0023 ppm
Concentration RSD	109.4 %	43.8 %	91.5 %	362.2 %	33.3 %	2.4 %	45.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.9575 ppm	0.0000 ppm	0.0009 ppm	15.3881 ppm	0.0003 ppm	0.0006 ppm	-0.0059 ppm
Concentration per Run 1	4.9313 ppm	0.0002 ppm	0.0006 ppm	15.1805 ppm	0.0010 ppm	0.0014 ppm	-0.0063 ppm
Concentration per Run 2	4.9792 ppm	0.0001 ppm	0.0008 ppm	15.3003 ppm	0.0006 ppm	0.0008 ppm	-0.0061 ppm
Concentration per Run 3	4.9621 ppm	-0.0002 ppm	0.0013 ppm	15.6836 ppm	-0.0006 ppm	-0.0004 ppm	-0.0054 ppm
Concentration RSD	0.5 %	739.1 %	44.1 %	1.7 %	250.6 %	145.3 %	8.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0041 ppm	7.4194 ppm	0.0027 ppm	0.0567 ppm	-0.0005 ppm	-0.0026 ppm	-0.0006 ppm
Concentration per Run 1	-0.0008 ppm	7.3848 ppm	0.0051 ppm	0.0560 ppm	-0.0001 ppm	-0.0046 ppm	-0.0002 ppm
Concentration per Run 2	-0.0037 ppm	7.4379 ppm	0.0030 ppm	0.0563 ppm	-0.0005 ppm	0.0002 ppm	-0.0009 ppm
Concentration per Run 3	-0.0076 ppm	7.4354 ppm	0.0001 ppm	0.0577 ppm	-0.0008 ppm	-0.0033 ppm	-0.0007 ppm
Concentration RSD	84.5 %	0.4 %	92.6 %	1.6 %	71.6 %	97.2 %	57.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0007 ppm	100.2049 %	102.1277 %	103.5260 %	100.4143 %	101.0475 %	103.0904 %
Concentration per Run 1	0.0006 ppm	100.7345 %	103.1216 %	104.0551 %	100.1546 %	102.1295 %	103.4367 %
Concentration per Run 2	0.0011 ppm	99.3354 %	102.6156 %	103.6174 %	100.3002 %	101.8858 %	103.2552 %
Concentration per Run 3	0.0005 ppm	100.5447 %	100.6458 %	102.9054 %	100.7880 %	99.1271 %	102.5793 %
Concentration RSD	44.3 %	0.8 %	1.3 %	0.6 %	0.3 %	1.7 %	0.4 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112698-7 WG2112698

Analysis started at: 9/12/2025 10:07:48 AM

Rack 1

Vial 18

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0508 ppm	2.0969 ppm	0.1260 ppm	1.0310 ppm	2.0661 ppm	0.0522 ppm	21.3875 ppm
Concentration per Run 1	0.0519 ppm	2.2040 ppm	0.1233 ppm	1.0443 ppm	2.1739 ppm	0.0550 ppm	23.0242 ppm
Concentration per Run 2	0.0508 ppm	2.0408 ppm	0.1257 ppm	1.0225 ppm	2.0147 ppm	0.0507 ppm	21.3385 ppm
Concentration per Run 3	0.0498 ppm	2.0460 ppm	0.1288 ppm	1.0263 ppm	2.0096 ppm	0.0509 ppm	21.2397 ppm
Concentration RSD	2.1 %	4.4 %	2.2 %	1.1 %	4.5 %	4.6 %	4.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0529 ppm	0.4953 ppm	0.2011 ppm	0.2477 ppm	1.0244 ppm	11.7906 ppm	0.0019 ppm
Concentration per Run 1	0.0534 ppm	0.4979 ppm	0.2038 ppm	0.2466 ppm	1.0784 ppm	12.3791 ppm	0.0013 ppm
Concentration per Run 2	0.0524 ppm	0.4947 ppm	0.1993 ppm	0.2477 ppm	0.9940 ppm	11.5079 ppm	0.0020 ppm
Concentration per Run 3	0.0531 ppm	0.4933 ppm	0.2002 ppm	0.2488 ppm	1.0007 ppm	11.4848 ppm	0.0025 ppm
Concentration RSD	1.0 %	0.5 %	1.2 %	0.4 %	4.6 %	4.3 %	32.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.8042 ppm	0.5133 ppm	0.9905 ppm	26.0047 ppm	0.4932 ppm	0.5426 ppm	0.3840 ppm
Concentration per Run 1	14.9032 ppm	0.5394 ppm	0.9944 ppm	27.3292 ppm	0.4985 ppm	0.5451 ppm	0.3825 ppm
Concentration per Run 2	14.7255 ppm	0.4983 ppm	0.9839 ppm	25.5146 ppm	0.4874 ppm	0.5448 ppm	0.3811 ppm
Concentration per Run 3	14.7838 ppm	0.5022 ppm	0.9933 ppm	25.1704 ppm	0.4938 ppm	0.5378 ppm	0.3884 ppm
Concentration RSD	0.6 %	4.4 %	0.6 %	4.5 %	1.1 %	0.8 %	1.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1235 ppm	8.3366 ppm	0.9403 ppm	1.0697 ppm	1.0034 ppm	0.1228 ppm	0.5104 ppm
Concentration per Run 1	0.1220 ppm	8.3882 ppm	0.9542 ppm	1.1290 ppm	1.0115 ppm	0.1276 ppm	0.5149 ppm
Concentration per Run 2	0.1239 ppm	8.3057 ppm	0.9228 ppm	1.0397 ppm	0.9943 ppm	0.1161 ppm	0.5078 ppm
Concentration per Run 3	0.1248 ppm	8.3158 ppm	0.9438 ppm	1.0404 ppm	1.0044 ppm	0.1247 ppm	0.5087 ppm
Concentration RSD	1.2 %	0.5 %	1.7 %	4.8 %	0.9 %	4.8 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5040 ppm	100.8153 %	100.2557 %	104.2444 %	100.0008 %	98.3796 %	103.0765 %
Concentration per Run 1	0.5108 ppm	99.9851 %	96.3091 %	104.1967 %	99.8003 %	94.7066 %	103.5065 %
Concentration per Run 2	0.4971 ppm	101.7600 %	102.7285 %	104.4524 %	100.6291 %	100.6297 %	103.3936 %
Concentration per Run 3	0.5040 ppm	100.7008 %	101.7294 %	104.0841 %	99.5732 %	99.8026 %	102.3293 %
Concentration RSD	1.4 %	0.9 %	3.4 %	0.2 %	0.6 %	3.3 %	0.6 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112698-8 WG2112698

Analysis started at: 9/12/2025 10:11:01 AM

Rack 1

Vial 19

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0003 ppm	0.0064 ppm	0.0004 ppm	0.0206 ppm	0.0262 ppm	0.0000 ppm	11.0828 ppm
Concentration per Run 1	0.0010 ppm	0.0091 ppm	-0.0010 ppm	0.0188 ppm	0.0264 ppm	0.0000 ppm	11.1142 ppm
Concentration per Run 2	0.0000 ppm	0.0136 ppm	0.0006 ppm	0.0218 ppm	0.0261 ppm	0.0000 ppm	11.0533 ppm
Concentration per Run 3	-0.0001 ppm	-0.0034 ppm	0.0015 ppm	0.0211 ppm	0.0262 ppm	0.0000 ppm	11.0809 ppm
Concentration RSD	205.5 %	137.3 %	339.0 %	7.7 %	0.6 %	418.0 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0007 ppm	0.0008 ppm	0.0001 ppm	0.0033 ppm	1.0858 ppm	0.0021 ppm
Concentration per Run 1	-0.0002 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0014 ppm	1.0789 ppm	0.0020 ppm
Concentration per Run 2	0.0000 ppm	-0.0011 ppm	0.0004 ppm	0.0009 ppm	0.0035 ppm	1.1080 ppm	0.0030 ppm
Concentration per Run 3	-0.0001 ppm	-0.0008 ppm	0.0016 ppm	-0.0003 ppm	0.0050 ppm	1.0706 ppm	0.0014 ppm
Concentration RSD	98.3 %	71.6 %	92.5 %	483.2 %	55.2 %	1.8 %	38.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.8057 ppm	0.0000 ppm	0.0083 ppm	15.0039 ppm	-0.0018 ppm	0.0014 ppm	0.0014 ppm
Concentration per Run 1	4.8198 ppm	0.0000 ppm	0.0099 ppm	15.1012 ppm	-0.0029 ppm	0.0043 ppm	0.0017 ppm
Concentration per Run 2	4.7972 ppm	0.0000 ppm	0.0073 ppm	14.8306 ppm	-0.0035 ppm	0.0025 ppm	-0.0047 ppm
Concentration per Run 3	4.8002 ppm	-0.0001 ppm	0.0076 ppm	15.0799 ppm	0.0008 ppm	-0.0025 ppm	0.0073 ppm
Concentration RSD	0.3 %	793.0 %	17.3 %	1.0 %	126.2 %	249.4 %	418.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0030 ppm	7.1969 ppm	0.0116 ppm	0.0549 ppm	-0.0011 ppm	0.0011 ppm	-0.0015 ppm
Concentration per Run 1	-0.0026 ppm	7.2372 ppm	0.0111 ppm	0.0552 ppm	-0.0006 ppm	0.0017 ppm	-0.0011 ppm
Concentration per Run 2	-0.0046 ppm	7.1940 ppm	0.0130 ppm	0.0547 ppm	-0.0017 ppm	-0.0004 ppm	-0.0020 ppm
Concentration per Run 3	-0.0018 ppm	7.1595 ppm	0.0109 ppm	0.0547 ppm	-0.0011 ppm	0.0020 ppm	-0.0015 ppm
Concentration RSD	48.5 %	0.5 %	10.2 %	0.5 %	47.0 %	117.1 %	30.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0006 ppm	101.2339 %	103.2150 %	105.5230 %	101.6272 %	101.8941 %	105.0134 %
Concentration per Run 1	0.0009 ppm	101.4344 %	102.4935 %	105.7910 %	101.9149 %	101.4495 %	106.3248 %
Concentration per Run 2	0.0003 ppm	100.9324 %	103.5683 %	106.3209 %	101.8998 %	102.2857 %	105.4381 %
Concentration per Run 3	0.0006 ppm	101.3350 %	103.5831 %	104.4571 %	101.0670 %	101.9469 %	103.2772 %
Concentration RSD	44.9 %	0.3 %	0.6 %	0.9 %	0.5 %	0.4 %	1.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

CCV

Sample:

Analysis started at: 9/12/2025 10:18:46 AM

Rack

Vial 3

Comment<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4997 ppm	0.5079 ppm	0.5046 ppm	0.5097 ppm	0.5051 ppm	0.5152 ppm	0.5028 ppm
Concentration per Run 1	0.5001 ppm	0.5149 ppm	0.5028 ppm	0.5164 ppm	0.5148 ppm	0.5148 ppm	0.5019 ppm
Concentration per Run 2	0.4991 ppm	0.4989 ppm	0.5070 ppm	0.5046 ppm	0.5061 ppm	0.5154 ppm	0.5032 ppm
Concentration per Run 3	0.4997 ppm	0.5100 ppm	0.5041 ppm	0.5082 ppm	0.5057 ppm	0.5153 ppm	0.5041 ppm
Recovery Percentage 1	99.932 %	101.386 %	100.929 %	101.946 %	101.010 %	103.031 %	100.556 %
Concentration RSD	0.1 %	1.6 %	0.4 %	1.2 %	0.3 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5152 ppm	0.5205 ppm	0.5193 ppm	0.5121 ppm	0.5067 ppm	5.2314 ppm	0.5208 ppm
Concentration per Run 1	0.5162 ppm	0.5224 ppm	0.5199 ppm	0.5137 ppm	0.5116 ppm	5.2322 ppm	0.5201 ppm
Concentration per Run 2	0.5156 ppm	0.5211 ppm	0.5182 ppm	0.5138 ppm	0.5072 ppm	5.2403 ppm	0.5198 ppm
Concentration per Run 3	0.5138 ppm	0.5179 ppm	0.5196 ppm	0.5086 ppm	0.5012 ppm	5.2216 ppm	0.5226 ppm
Recovery Percentage 1	103.039 %	104.100 %	103.850 %	102.412 %	101.334 %	104.627 %	104.167 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.6 %	1.0 %	0.2 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5016 ppm	0.5153 ppm	0.5139 ppm	10.3736 ppm	0.5207 ppm	0.5234 ppm	0.5175 ppm
Concentration per Run 1	0.5034 ppm	0.5151 ppm	0.5125 ppm	10.3280 ppm	0.5237 ppm	0.5225 ppm	0.5094 ppm
Concentration per Run 2	0.4950 ppm	0.5151 ppm	0.5138 ppm	10.4250 ppm	0.5207 ppm	0.5234 ppm	0.5234 ppm
Concentration per Run 3	0.5064 ppm	0.5158 ppm	0.5156 ppm	10.3678 ppm	0.5176 ppm	0.5194 ppm	0.5197 ppm
Recovery Percentage 1	100.320 %	103.068 %	102.789 %	103.736 %	104.139 %	104.678 %	103.499 %
Concentration RSD	1.2 %	0.1 %	0.3 %	0.5 %	0.6 %	0.9 %	1.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5071 ppm	5.3411 ppm	0.5131 ppm	0.5074 ppm	0.5105 ppm	0.5121 ppm	0.5189 ppm
Concentration per Run 1	0.5033 ppm	5.3367 ppm	0.5228 ppm	0.5051 ppm	0.5117 ppm	0.5154 ppm	0.5204 ppm
Concentration per Run 2	0.5071 ppm	5.3356 ppm	0.5083 ppm	0.5085 ppm	0.5088 ppm	0.5089 ppm	0.5184 ppm
Concentration per Run 3	0.5110 ppm	5.3509 ppm	0.5081 ppm	0.5088 ppm	0.5110 ppm	0.5119 ppm	0.5179 ppm
Recovery Percentage 1	101.422 %	101.735 %	102.618 %	101.488 %	102.101 %	102.413 %	103.779 %
Concentration RSD	0.8 %	0.2 %	1.6 %	0.4 %	0.3 %	0.6 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5236 ppm	100.1198 %	102.4887 %	103.8250 %	100.1848 %	100.6445 %	103.0790 %
Concentration per Run 1	0.5253 ppm	99.6956 %	102.8178 %	103.7719 %	100.2172 %	100.6638 %	103.3083 %
Concentration per Run 2	0.5226 ppm	100.4332 %	102.7318 %	103.5881 %	100.3283 %	100.7368 %	102.7281 %
Concentration per Run 3	0.5229 ppm	100.2306 %	101.9163 %	104.1150 %	100.0087 %	100.5329 %	103.2006 %
Recovery Percentage 1	104.715 %						
Concentration RSD	0.3 %	0.4 %	0.5 %	0.3 %	0.2 %	0.1 %	0.3 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCB
Analysis started at: 9/12/2025 10:22:07 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	0.0004 ppm	0.0074 ppm	-0.0003 ppm	0.0018 ppm	0.0003 ppm	0.0001 ppm	-0.0024 ppm
Concentration per Run 1	0.0016 ppm	0.0096 ppm	-0.0014 ppm	0.0015 ppm	0.0003 ppm	0.0001 ppm	-0.0023 ppm
Concentration per Run 2	0.0000 ppm	0.0104 ppm	-0.0001 ppm	-0.0014 ppm	0.0004 ppm	0.0001 ppm	-0.0036 ppm
Concentration per Run 3	-0.0003 ppm	0.0022 ppm	0.0006 ppm	0.0052 ppm	0.0003 ppm	0.0001 ppm	-0.0012 ppm
Recovery Percentage 1	6.025 %	7.411 %	-5.890 %	5.851 %	3.027 %	1.694 %	-2.376 %
Concentration RSD	243.4 %	60.7 %	333.8 %	189.1 %	21.2 %	27.3 %	50.0 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0001 ppm	-0.0010 ppm	0.0006 ppm	0.0005 ppm	0.0008 ppm	0.0042 ppm	0.0015 ppm
Concentration per Run 1	0.0001 ppm	-0.0011 ppm	0.0005 ppm	0.0000 ppm	0.0005 ppm	0.0272 ppm	0.0008 ppm
Concentration per Run 2	0.0003 ppm	-0.0016 ppm	0.0004 ppm	0.0008 ppm	0.0009 ppm	0.0064 ppm	0.0024 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	0.0008 ppm	0.0008 ppm	0.0011 ppm	-0.0083 ppm	0.0016 ppm
Recovery Percentage 1	2.391 %	-5.174 %	5.653 %	5.493 %	1.611 %	0.167 %	30.668 %
Concentration RSD	119.7 %	60.8 %	36.3 %	82.1 %	38.5 %	477.7 %	57.7 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	-0.0028 ppm	-0.0002 ppm	0.0034 ppm	0.0038 ppm	-0.0011 ppm	0.0005 ppm	-0.0101 ppm
Concentration per Run 1	-0.0025 ppm	0.0000 ppm	0.0049 ppm	0.0065 ppm	-0.0004 ppm	-0.0012 ppm	-0.0098 ppm
Concentration per Run 2	-0.0031 ppm	-0.0001 ppm	0.0034 ppm	0.0029 ppm	-0.0008 ppm	0.0013 ppm	-0.0101 ppm
Concentration per Run 3	-0.0027 ppm	-0.0005 ppm	0.0018 ppm	0.0021 ppm	-0.0020 ppm	0.0015 ppm	-0.0103 ppm
Recovery Percentage 1	-2.767 %	-1.887 %	6.715 %	0.192 %	-4.266 %	5.162 %	-20.178 %
Concentration RSD	12.4 %	137.0 %	45.7 %	61.9 %	78.6 %	296.5 %	2.8 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	-0.0014 ppm	-0.0003 ppm	0.0031 ppm	0.0001 ppm	-0.0014 ppm	0.0036 ppm	-0.0012 ppm
Concentration per Run 1	-0.0004 ppm	-0.0041 ppm	0.0052 ppm	0.0000 ppm	-0.0012 ppm	0.0062 ppm	-0.0015 ppm
Concentration per Run 2	-0.0038 ppm	0.0027 ppm	0.0016 ppm	0.0001 ppm	-0.0018 ppm	0.0019 ppm	-0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0005 ppm	0.0026 ppm	0.0001 ppm	-0.0013 ppm	0.0028 ppm	-0.0021 ppm
Recovery Percentage 1	-14.265 %	-0.057 %	6.213 %	0.533 %	-14.116 %	18.237 %	-12.448 %
Concentration RSD	142.9 %	1,217.9 %	60.3 %	22.6 %	21.2 %	61.3 %	81.4 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	-0.0005 ppm	98.0058 %	98.8338 %	99.4905 %	99.2889 %	99.7060 %	103.3590 %
Concentration per Run 1	-0.0003 ppm	98.8338 %	97.3498 %	104.7439 %	99.5876 %	104.1347 %	104.0836 %
Concentration per Run 2	-0.0009 ppm	97.3498 %	95.1990 %	102.0539 %	98.7086 %	95.9502 %	102.9802 %
Concentration per Run 3	-0.0003 ppm	97.8337 %	98.5286 %	102.5039 %	99.5704 %	99.0330 %	103.0133 %
Recovery Percentage 1	-10.444 %	0.8 %	0.8 %	4.9 %	0.5 %	4.1 %	0.6 %
Concentration RSD	60.4 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112698-9 WG2112698

Analysis started at: 9/12/2025 10:25:47 AM

Rack 1

Vial 20

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0547 ppm	1.9345 ppm	0.1201 ppm	1.0110 ppm	1.8960 ppm	0.0477 ppm	20.3174 ppm
Concentration per Run 1	0.0528 ppm	1.9805 ppm	0.1218 ppm	1.0067 ppm	1.9514 ppm	0.0488 ppm	20.8400 ppm
Concentration per Run 2	0.0563 ppm	1.9712 ppm	0.1192 ppm	1.0171 ppm	1.9226 ppm	0.0486 ppm	20.8060 ppm
Concentration per Run 3	0.0550 ppm	1.8517 ppm	0.1193 ppm	1.0092 ppm	1.8142 ppm	0.0458 ppm	19.3061 ppm
Concentration RSD	3.3 %	3.7 %	1.2 %	0.5 %	3.8 %	3.5 %	4.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0509 ppm	0.4760 ppm	0.1957 ppm	0.2392 ppm	0.9420 ppm	10.8979 ppm	0.0021 ppm
Concentration per Run 1	0.0503 ppm	0.4733 ppm	0.1935 ppm	0.2363 ppm	0.9686 ppm	11.2138 ppm	0.0018 ppm
Concentration per Run 2	0.0507 ppm	0.4765 ppm	0.1967 ppm	0.2389 ppm	0.9554 ppm	11.0645 ppm	0.0010 ppm
Concentration per Run 3	0.0515 ppm	0.4783 ppm	0.1969 ppm	0.2424 ppm	0.9020 ppm	10.4152 ppm	0.0034 ppm
Concentration RSD	1.2 %	0.5 %	1.0 %	1.3 %	3.7 %	3.9 %	58.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	14.4722 ppm	0.4706 ppm	0.9555 ppm	24.1419 ppm	0.4840 ppm	0.5195 ppm	0.2832 ppm
Concentration per Run 1	14.3750 ppm	0.4795 ppm	0.9429 ppm	24.7574 ppm	0.4792 ppm	0.5160 ppm	0.2749 ppm
Concentration per Run 2	14.5427 ppm	0.4797 ppm	0.9581 ppm	24.6541 ppm	0.4910 ppm	0.5195 ppm	0.2866 ppm
Concentration per Run 3	14.4989 ppm	0.4528 ppm	0.9655 ppm	23.0142 ppm	0.4818 ppm	0.5230 ppm	0.2882 ppm
Concentration RSD	0.6 %	3.3 %	1.2 %	4.1 %	1.3 %	0.7 %	2.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1138 ppm	7.8539 ppm	0.9215 ppm	0.9868 ppm	0.9731 ppm	0.1174 ppm	0.4939 ppm
Concentration per Run 1	0.1140 ppm	7.7797 ppm	0.9102 ppm	1.0152 ppm	0.9663 ppm	0.1160 ppm	0.4901 ppm
Concentration per Run 2	0.1124 ppm	7.8968 ppm	0.9278 ppm	1.0029 ppm	0.9784 ppm	0.1194 ppm	0.4940 ppm
Concentration per Run 3	0.1149 ppm	7.8852 ppm	0.9264 ppm	0.9423 ppm	0.9745 ppm	0.1169 ppm	0.4975 ppm
Concentration RSD	1.1 %	0.8 %	1.1 %	4.0 %	0.6 %	1.5 %	0.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4938 ppm	99.9676 %	105.3584 %	104.4224 %	99.7905 %	103.4703 %	103.2434 %
Concentration per Run 1	0.4880 ppm	100.6154 %	102.9181 %	104.4509 %	100.2954 %	101.5191 %	103.1208 %
Concentration per Run 2	0.4987 ppm	99.2885 %	103.6087 %	104.3974 %	99.1266 %	102.1686 %	102.7018 %
Concentration per Run 3	0.4948 ppm	99.9989 %	109.5484 %	104.4190 %	99.9493 %	106.7232 %	103.9076 %
Concentration RSD	1.1 %	0.7 %	3.5 %	0.0 %	0.6 %	2.7 %	0.6 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112698-10D5 WG2112698

Analysis started at: 9/12/2025 10:40:47 AM

Rack 1

Vial 21

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0010 ppm	0.0132 ppm	0.0019 ppm	0.0055 ppm	0.0056 ppm	0.0000 ppm	2.2069 ppm
Concentration per Run 1	0.0012 ppm	0.0114 ppm	0.0033 ppm	0.0049 ppm	0.0056 ppm	0.0000 ppm	2.1849 ppm
Concentration per Run 2	0.0000 ppm	0.0178 ppm	-0.0011 ppm	0.0033 ppm	0.0057 ppm	0.0000 ppm	2.2234 ppm
Concentration per Run 3	0.0018 ppm	0.0105 ppm	0.0034 ppm	0.0083 ppm	0.0056 ppm	0.0000 ppm	2.2123 ppm
Concentration RSD	90.6 %	30.1 %	135.5 %	46.8 %	1.5 %	71.4 %	0.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0004 ppm	-0.0004 ppm	0.0016 ppm	0.2465 ppm	0.0015 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0005 ppm	-0.0002 ppm	0.0016 ppm	0.2598 ppm	0.0019 ppm
Concentration per Run 2	0.0000 ppm	-0.0014 ppm	-0.0009 ppm	-0.0007 ppm	0.0015 ppm	0.2402 ppm	0.0021 ppm
Concentration per Run 3	0.0002 ppm	0.0020 ppm	-0.0009 ppm	-0.0003 ppm	0.0017 ppm	0.2395 ppm	0.0007 ppm
Concentration RSD	1.052.7 %	650.9 %	182.7 %	73.1 %	6.7 %	4.7 %	50.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.9632 ppm	-0.0001 ppm	0.0034 ppm	3.0554 ppm	-0.0016 ppm	-0.0011 ppm	0.0084 ppm
Concentration per Run 1	0.9527 ppm	-0.0001 ppm	0.0041 ppm	3.0302 ppm	0.0002 ppm	-0.0008 ppm	0.0065 ppm
Concentration per Run 2	0.9687 ppm	0.0001 ppm	0.0033 ppm	3.0749 ppm	-0.0029 ppm	-0.0037 ppm	0.0129 ppm
Concentration per Run 3	0.9681 ppm	-0.0002 ppm	0.0027 ppm	3.0609 ppm	-0.0021 ppm	0.0011 ppm	0.0059 ppm
Concentration RSD	0.9 %	171.3 %	20.0 %	0.7 %	99.7 %	210.9 %	45.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0038 ppm	1.4508 ppm	0.0115 ppm	0.0110 ppm	-0.0022 ppm	-0.0024 ppm	-0.0015 ppm
Concentration per Run 1	-0.0020 ppm	1.4473 ppm	0.0141 ppm	0.0109 ppm	-0.0022 ppm	-0.0021 ppm	-0.0016 ppm
Concentration per Run 2	-0.0069 ppm	1.4486 ppm	0.0097 ppm	0.0111 ppm	-0.0023 ppm	-0.0084 ppm	-0.0014 ppm
Concentration per Run 3	-0.0025 ppm	1.4565 ppm	0.0107 ppm	0.0111 ppm	-0.0020 ppm	0.0033 ppm	-0.0015 ppm
Concentration RSD	71.9 %	0.3 %	20.0 %	1.1 %	7.9 %	244.6 %	6.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0002 ppm	96.0678 %	101.7098 %	100.8677 %	95.9834 %	100.5792 %	100.5790 %
Concentration per Run 1	-0.0005 ppm	95.6917 %	102.0208 %	100.7166 %	95.5538 %	100.0304 %	100.2966 %
Concentration per Run 2	-0.0004 ppm	96.5981 %	101.4938 %	99.7206 %	96.6242 %	100.7259 %	99.7560 %
Concentration per Run 3	0.0004 ppm	95.9136 %	101.6149 %	102.1661 %	95.7722 %	100.9813 %	101.6845 %
Concentration RSD	284.9 %	0.5 %	0.3 %	1.2 %	0.6 %	0.5 %	1.0 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555938-03 WG2112698

Analysis started at: 9/12/2025 10:44:12 AM

Rack 1

Vial 22

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0024 ppm	0.0174 ppm	0.0014 ppm	0.0116 ppm	0.0361 ppm	0.0000 ppm	8.1459 ppm
Concentration per Run 1	0.0021 ppm	0.0202 ppm	0.0009 ppm	0.0117 ppm	0.0361 ppm	0.0000 ppm	8.1455 ppm
Concentration per Run 2	0.0025 ppm	0.0123 ppm	0.0026 ppm	0.0141 ppm	0.0361 ppm	0.0000 ppm	8.1692 ppm
Concentration per Run 3	0.0026 ppm	0.0198 ppm	0.0007 ppm	0.0091 ppm	0.0361 ppm	0.0000 ppm	8.1231 ppm
Concentration RSD	10.3 %	25.3 %	71.9 %	21.7 %	0.0 %	117.5 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0010 ppm	0.0007 ppm	0.0018 ppm	0.0030 ppm	1.0488 ppm	0.0011 ppm
Concentration per Run 1	0.0000 ppm	-0.0018 ppm	0.0003 ppm	0.0014 ppm	0.0022 ppm	1.0492 ppm	0.0012 ppm
Concentration per Run 2	-0.0001 ppm	-0.0010 ppm	0.0011 ppm	0.0020 ppm	0.0033 ppm	1.0396 ppm	0.0012 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	0.0007 ppm	0.0021 ppm	0.0035 ppm	1.0575 ppm	0.0010 ppm
Concentration RSD	40.3 %	68.4 %	52.1 %	19.6 %	22.8 %	0.9 %	11.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.5244 ppm	0.0014 ppm	0.0006 ppm	3.9553 ppm	-0.0026 ppm	-0.0017 ppm	-0.0116 ppm
Concentration per Run 1	3.5212 ppm	0.0014 ppm	0.0003 ppm	3.9773 ppm	-0.0016 ppm	-0.0017 ppm	-0.0113 ppm
Concentration per Run 2	3.5075 ppm	0.0013 ppm	0.0017 ppm	3.9605 ppm	-0.0032 ppm	-0.0027 ppm	-0.0101 ppm
Concentration per Run 3	3.5447 ppm	0.0015 ppm	-0.0003 ppm	3.9279 ppm	-0.0029 ppm	-0.0007 ppm	-0.0135 ppm
Concentration RSD	0.5 %	5.3 %	176.7 %	0.6 %	32.7 %	59.1 %	14.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0042 ppm	3.9908 ppm	-0.0016 ppm	0.0351 ppm	-0.0024 ppm	0.0040 ppm	-0.0012 ppm
Concentration per Run 1	-0.0035 ppm	3.9972 ppm	-0.0030 ppm	0.0353 ppm	-0.0018 ppm	-0.0029 ppm	-0.0008 ppm
Concentration per Run 2	-0.0045 ppm	3.9644 ppm	-0.0004 ppm	0.0349 ppm	-0.0031 ppm	0.0081 ppm	-0.0016 ppm
Concentration per Run 3	-0.0046 ppm	4.0109 ppm	-0.0015 ppm	0.0350 ppm	-0.0023 ppm	0.0067 ppm	-0.0013 ppm
Concentration RSD	15.1 %	0.6 %	81.9 %	0.5 %	26.7 %	150.1 %	31.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0023 ppm	99.9291 %	103.4844 %	103.1439 %	100.1324 %	102.6844 %	103.0247 %
Concentration per Run 1	0.0022 ppm	100.5217 %	104.1175 %	104.0146 %	100.1739 %	103.2760 %	104.3751 %
Concentration per Run 2	0.0024 ppm	100.9593 %	102.4260 %	102.5310 %	101.1027 %	101.3556 %	101.6315 %
Concentration per Run 3	0.0024 ppm	98.3062 %	103.9096 %	102.8859 %	99.1204 %	103.4217 %	103.0675 %
Concentration RSD	4.0 %	1.4 %	0.9 %	0.8 %	1.0 %	1.1 %	1.3 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555938-04 WG2112698

Analysis started at: 9/12/2025 10:47:27 AM

Rack 1

Vial 23

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0016 ppm	0.0216 ppm	0.0002 ppm	0.0110 ppm	0.0056 ppm	0.0000 ppm	18.6580 ppm
Concentration per Run 1	0.0010 ppm	0.0219 ppm	0.0009 ppm	0.0112 ppm	0.0056 ppm	0.0000 ppm	18.6818 ppm
Concentration per Run 2	0.0017 ppm	0.0194 ppm	0.0001 ppm	0.0101 ppm	0.0058 ppm	0.0000 ppm	18.6022 ppm
Concentration per Run 3	0.0020 ppm	0.0234 ppm	-0.0004 ppm	0.0117 ppm	0.0055 ppm	0.0001 ppm	18.6900 ppm
Concentration RSD	31.7 %	9.5 %	325.5 %	7.3 %	2.4 %	42.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0010 ppm	0.0006 ppm	0.0000 ppm	0.0804 ppm	0.7790 ppm	0.0021 ppm
Concentration per Run 1	0.0002 ppm	-0.0001 ppm	0.0008 ppm	0.0007 ppm	0.0780 ppm	0.7944 ppm	0.0023 ppm
Concentration per Run 2	-0.0001 ppm	-0.0021 ppm	0.0000 ppm	-0.0002 ppm	0.0807 ppm	0.7916 ppm	0.0022 ppm
Concentration per Run 3	-0.0001 ppm	-0.0008 ppm	0.0010 ppm	-0.0006 ppm	0.0825 ppm	0.7511 ppm	0.0018 ppm
Concentration RSD	3.573.9 %	98.7 %	90.8 %	7.769.7 %	2.8 %	3.1 %	12.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.3763 ppm	0.0243 ppm	0.0012 ppm	5.9088 ppm	-0.0023 ppm	-0.0001 ppm	-0.0137 ppm
Concentration per Run 1	2.3887 ppm	0.0244 ppm	0.0015 ppm	5.9084 ppm	-0.0012 ppm	-0.0044 ppm	-0.0196 ppm
Concentration per Run 2	2.3756 ppm	0.0244 ppm	0.0016 ppm	5.9106 ppm	-0.0021 ppm	0.0012 ppm	-0.0047 ppm
Concentration per Run 3	2.3647 ppm	0.0240 ppm	0.0005 ppm	5.9074 ppm	-0.0035 ppm	0.0030 ppm	-0.0169 ppm
Concentration RSD	0.5 %	0.8 %	49.3 %	0.0 %	50.8 %	4.756.2 %	57.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0011 ppm	10.3893 ppm	0.0005 ppm	0.1387 ppm	-0.0013 ppm	0.0016 ppm	-0.0004 ppm
Concentration per Run 1	-0.0042 ppm	10.4032 ppm	-0.0013 ppm	0.1384 ppm	-0.0008 ppm	0.0034 ppm	0.0000 ppm
Concentration per Run 2	0.0021 ppm	10.3864 ppm	0.0025 ppm	0.1394 ppm	-0.0017 ppm	0.0001 ppm	-0.0005 ppm
Concentration per Run 3	-0.0014 ppm	10.3782 ppm	0.0004 ppm	0.1383 ppm	-0.0013 ppm	0.0011 ppm	-0.0008 ppm
Concentration RSD	276.5 %	0.1 %	357.9 %	0.5 %	35.4 %	109.4 %	102.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0016 ppm	99.6400 %	103.3985 %	102.3243 %	99.9415 %	102.5431 %	102.2944 %
Concentration per Run 1	0.0016 ppm	99.7467 %	102.9119 %	102.1152 %	99.8060 %	101.9222 %	101.4114 %
Concentration per Run 2	0.0016 ppm	99.4085 %	103.4619 %	102.3050 %	99.7389 %	102.3907 %	102.8052 %
Concentration per Run 3	0.0018 ppm	99.7647 %	103.8218 %	102.5529 %	100.2795 %	103.3166 %	102.6667 %
Concentration RSD	8.5 %	0.2 %	0.4 %	0.2 %	0.3 %	0.7 %	0.8 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555938-05 WG2112698

Analysis started at: 9/12/2025 10:50:43 AM

Rack 1

Vial 24

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0023 ppm	0.0135 ppm	0.0023 ppm	0.0302 ppm	0.0169 ppm	0.0000 ppm	14.8215 ppm
Concentration per Run 1	0.0021 ppm	0.0161 ppm	0.0007 ppm	0.0311 ppm	0.0169 ppm	0.0000 ppm	14.8584 ppm
Concentration per Run 2	0.0020 ppm	0.0159 ppm	0.0030 ppm	0.0283 ppm	0.0167 ppm	0.0000 ppm	14.8095 ppm
Concentration per Run 3	0.0029 ppm	0.0086 ppm	0.0032 ppm	0.0312 ppm	0.0172 ppm	0.0000 ppm	14.7965 ppm
Concentration RSD	21.2 %	31.7 %	58.8 %	5.4 %	1.5 %	130.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0003 ppm	-0.0007 ppm	0.0012 ppm	0.0002 ppm	0.0130 ppm	1.5835 ppm	0.0029 ppm
Concentration per Run 1	-0.0003 ppm	-0.0003 ppm	0.0007 ppm	-0.0010 ppm	0.0141 ppm	1.5795 ppm	0.0026 ppm
Concentration per Run 2	-0.0003 ppm	-0.0017 ppm	0.0016 ppm	0.0010 ppm	0.0122 ppm	1.6097 ppm	0.0020 ppm
Concentration per Run 3	-0.0002 ppm	-0.0008 ppm	0.0013 ppm	0.0006 ppm	0.0126 ppm	1.5612 ppm	0.0040 ppm
Concentration RSD	18.2 %	134.4 %	35.6 %	473.1 %	8.0 %	1.5 %	35.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.1865 ppm	0.0012 ppm	0.0001 ppm	23.7260 ppm	-0.0003 ppm	-0.0017 ppm	-0.0074 ppm
Concentration per Run 1	6.1793 ppm	0.0012 ppm	0.0010 ppm	23.6695 ppm	-0.0001 ppm	-0.0006 ppm	-0.0155 ppm
Concentration per Run 2	6.2040 ppm	0.0011 ppm	0.0002 ppm	23.7371 ppm	-0.0004 ppm	-0.0014 ppm	-0.0007 ppm
Concentration per Run 3	6.1761 ppm	0.0012 ppm	-0.0009 ppm	23.7714 ppm	-0.0005 ppm	-0.0032 ppm	-0.0059 ppm
Concentration RSD	0.2 %	3.6 %	876.3 %	0.2 %	60.6 %	77.8 %	101.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0031 ppm	8.1148 ppm	0.0015 ppm	0.0830 ppm	-0.0017 ppm	-0.0027 ppm	-0.0009 ppm
Concentration per Run 1	-0.0016 ppm	8.1102 ppm	0.0015 ppm	0.0827 ppm	-0.0029 ppm	-0.0020 ppm	-0.0010 ppm
Concentration per Run 2	0.0012 ppm	8.1266 ppm	0.0021 ppm	0.0831 ppm	-0.0015 ppm	-0.0050 ppm	0.0000 ppm
Concentration per Run 3	-0.0089 ppm	8.1077 ppm	0.0008 ppm	0.0830 ppm	-0.0007 ppm	-0.0012 ppm	-0.0018 ppm
Concentration RSD	167.8 %	0.1 %	42.2 %	0.3 %	64.1 %	74.0 %	96.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0009 ppm	99.1267 %	101.8414 %	102.1306 %	99.6986 %	100.3120 %	101.7573 %
Concentration per Run 1	0.0010 ppm	99.8833 %	101.3719 %	102.0714 %	100.4718 %	100.0666 %	102.1272 %
Concentration per Run 2	0.0003 ppm	98.4131 %	101.4872 %	102.1273 %	98.7392 %	100.0812 %	102.1700 %
Concentration per Run 3	0.0013 ppm	99.0836 %	102.6651 %	102.1930 %	99.8849 %	100.9746 %	100.9746 %
Concentration RSD	63.1 %	0.7 %	0.7 %	0.1 %	0.9 %	0.4 %	0.7 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2554337-01 WG2110234

Analysis started at: 9/12/2025 10:55:47 AM

Rack 1

Vial 28

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	0.2804 ppm		0.0619 ppm	0.0815 ppm	0.0001 ppm	52.6906 ppm
Concentration per Run 1	0.0018 ppm	0.2735 ppm	0.0032 ppm	0.0040 ppm	0.0810 ppm	0.0002 ppm	52.8006 ppm
Concentration per Run 2	0.0031 ppm	0.2857 ppm	0.0039 ppm	0.0601 ppm	0.0818 ppm	0.0001 ppm	52.8080 ppm
Concentration per Run 3	0.0013 ppm	0.2819 ppm	0.0018 ppm	0.0637 ppm	0.0816 ppm	0.0001 ppm	52.4632 ppm
Concentration RSD	45.5 %	2.2 %	38.3 %	3.0 %	0.5 %	55.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0006 ppm	0.0019 ppm	0.0013 ppm	0.0174 ppm	16.7405 ppm	11.7568 ppm	0.0002 ppm
Concentration per Run 1	0.0006 ppm	0.0014 ppm	0.0005 ppm	0.0173 ppm	16.7017 ppm	11.6829 ppm	0.0009 ppm
Concentration per Run 2	0.0008 ppm	0.0036 ppm	0.0016 ppm	0.0177 ppm	16.7906 ppm	11.8184 ppm	0.0001 ppm
Concentration per Run 3	0.0005 ppm	0.0006 ppm	0.0018 ppm	0.0170 ppm	16.7292 ppm	11.7690 ppm	-0.0004 ppm
Concentration RSD	26.1 %	82.3 %	55.8 %	2.2 %	0.3 %	0.6 %	339.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	5.9540 ppm	0.8442 ppm	-0.0007 ppm	92.5953 ppm	0.0220 ppm	-0.0023 ppm	-0.0114 ppm
Concentration per Run 1	5.9491 ppm	0.8467 ppm	-0.0006 ppm	92.4017 ppm	0.0215 ppm	-0.0012 ppm	-0.0180 ppm
Concentration per Run 2	5.9632 ppm	0.8466 ppm	-0.0014 ppm	92.5712 ppm	0.0209 ppm	-0.0067 ppm	-0.0074 ppm
Concentration per Run 3	5.9497 ppm	0.8393 ppm	0.0000 ppm	92.8132 ppm	0.0237 ppm	0.0010 ppm	-0.0089 ppm
Concentration RSD	0.1 %	0.5 %	100.6 %	0.2 %	6.5 %	170.5 %	50.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0047 ppm	7.2714 ppm	-0.0019 ppm	0.2212 ppm	0.0043 ppm	-0.0016 ppm	-0.0003 ppm
Concentration per Run 1	-0.0028 ppm	7.2517 ppm	-0.0063 ppm	0.2200 ppm	0.0045 ppm	-0.0029 ppm	-0.0002 ppm
Concentration per Run 2	-0.0048 ppm	7.3011 ppm	-0.0015 ppm	0.2220 ppm	0.0034 ppm	0.0022 ppm	-0.0001 ppm
Concentration per Run 3	-0.0067 ppm	7.2614 ppm	0.0021 ppm	0.2215 ppm	0.0050 ppm	-0.0042 ppm	-0.0005 ppm
Concentration RSD	40.9 %	0.4 %	225.3 %	0.5 %	19.4 %	209.0 %	79.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0832 ppm	100.9003 %	102.9767 %	103.7990 %	101.4150 %	101.7677 %	103.9510 %
Concentration per Run 1	0.0833 ppm	100.6075 %	103.2014 %	103.2818 %	101.0277 %	102.1666 %	103.4741 %
Concentration per Run 2	0.0831 ppm	101.5698 %	102.4458 %	104.0604 %	102.2668 %	101.5053 %	103.9733 %
Concentration per Run 3	0.0831 ppm	100.5236 %	103.2829 %	104.0549 %	100.9505 %	101.6312 %	104.4056 %
Concentration RSD	0.1 %	0.6 %	0.4 %	0.4 %	0.7 %	0.3 %	0.4 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2554337-02 WG2110234

Analysis started at: 9/12/2025 10:59:00 AM

Rack 1

Vial 29

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0004 ppm	0.0312 ppm	0.2387 ppm	0.4011 ppm	0.3962 ppm	0.0001 ppm	187.8704 ppm
Concentration per Run 1	0.0017 ppm	0.0291 ppm	0.2324 ppm	7.8190 ppm	0.3962 ppm	0.0001 ppm	185.6675 ppm
Concentration per Run 2	-0.0002 ppm	0.0205 ppm	0.2431 ppm	7.8545 ppm	0.3896 ppm	0.0001 ppm	183.4308 ppm
Concentration per Run 3	-0.0002 ppm	0.0439 ppm	0.2404 ppm	7.8946 ppm	0.4175 ppm	0.0000 ppm	194.5129 ppm
Concentration RSD	258.2 %	37.9 %	2.3 %	0.5 %	3.6 %	44.0 %	3.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0017 ppm	0.0094 ppm	0.0030 ppm	0.0013 ppm	34.5822 ppm	45.1620 ppm	0.0031 ppm
Concentration per Run 1	-0.0015 ppm	0.0107 ppm	0.0025 ppm	0.0024 ppm	34.0202 ppm	44.4930 ppm	0.0038 ppm
Concentration per Run 2	-0.0017 ppm	0.0082 ppm	0.0034 ppm	0.0011 ppm	33.7008 ppm	44.0244 ppm	0.0035 ppm
Concentration per Run 3	-0.0018 ppm	0.0093 ppm	0.0032 ppm	0.0004 ppm	36.0257 ppm	46.9685 ppm	0.0019 ppm
Concentration RSD	9.1 %	13.1 %	16.2 %	75.8 %	3.6 %	3.5 %	32.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	45.6302 ppm	4.9318 ppm	0.0014 ppm	347.2193 ppm	0.0554 ppm	-0.0041 ppm	-0.0129 ppm
Concentration per Run 1	45.5562 ppm	4.8610 ppm	0.0023 ppm	345.0389 ppm	0.0549 ppm	-0.0033 ppm	-0.0098 ppm
Concentration per Run 2	45.6198 ppm	4.7933 ppm	0.0013 ppm	339.0915 ppm	0.0562 ppm	-0.0031 ppm	-0.0194 ppm
Concentration per Run 3	45.7147 ppm	5.1411 ppm	0.0005 ppm	357.5276 ppm	0.0552 ppm	-0.0059 ppm	-0.0096 ppm
Concentration RSD	0.2 %	3.7 %	64.5 %	2.7 %	1.2 %	37.8 %	43.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0013 ppm	10.8902 ppm	0.0003 ppm	1.0838 ppm	0.0005 ppm	0.0027 ppm	0.0027 ppm
Concentration per Run 1	-0.0015 ppm	10.8614 ppm	-0.0001 ppm	1.0732 ppm	0.0003 ppm	0.0031 ppm	0.0025 ppm
Concentration per Run 2	-0.0034 ppm	10.8936 ppm	0.0002 ppm	1.0522 ppm	0.0010 ppm	0.0033 ppm	0.0033 ppm
Concentration per Run 3	0.0008 ppm	10.9156 ppm	0.0008 ppm	1.1259 ppm	0.0001 ppm	-0.0009 ppm	0.0022 ppm
Concentration RSD	156.4 %	0.3 %	166.0 %	3.5 %	100.1 %	127.6 %	21.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0117 ppm	102.2139 %	101.1028 %	102.9419 %	102.5538 %	99.7238 %	103.6024 %
Concentration per Run 1	-0.0117 ppm	102.4078 %	101.9689 %	102.6666 %	102.4690 %	100.6631 %	103.7093 %
Concentration per Run 2	-0.0114 ppm	102.5705 %	103.3852 %	103.0070 %	103.0474 %	101.1062 %	103.4628 %
Concentration per Run 3	-0.0120 ppm	101.6635 %	97.9542 %	103.1521 %	102.1452 %	97.4022 %	103.6351 %
Concentration RSD	2.5 %	0.5 %	2.8 %	0.2 %	0.4 %	2.0 %	0.1 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2554337-03 WG2110234

Analysis started at: 9/12/2025 11:02:13 AM

Rack 1

Vial 30

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0015 ppm	0.1210 ppm	0.1250 ppm	0.6871 ppm	0.0645 ppm	0.0000 ppm	38.3815 ppm
Concentration per Run 1	0.0013 ppm	0.1155 ppm	0.1217 ppm	0.6833 ppm	0.0646 ppm	0.0000 ppm	38.3550 ppm
Concentration per Run 2	0.0012 ppm	0.1284 ppm	0.1240 ppm	0.6932 ppm	0.0637 ppm	0.0000 ppm	38.1985 ppm
Concentration per Run 3	0.0020 ppm	0.1191 ppm	0.1291 ppm	0.6847 ppm	0.0651 ppm	0.0000 ppm	38.5909 ppm
Concentration RSD	29.0 %	5.5 %	3.0 %	0.8 %	1.0 %	34.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0021 ppm	0.0002 ppm	0.0019 ppm	0.0013 ppm	11.7742 ppm	12.5459 ppm	0.0015 ppm
Concentration per Run 1	0.0021 ppm	0.0015 ppm	0.0022 ppm	0.0006 ppm	11.7966 ppm	12.5459 ppm	0.0022 ppm
Concentration per Run 2	0.0020 ppm	-0.0008 ppm	0.0017 ppm	0.0018 ppm	11.7230 ppm	12.4162 ppm	0.0013 ppm
Concentration per Run 3	0.0021 ppm	0.0000 ppm	0.0017 ppm	0.0015 ppm	11.8031 ppm	12.6756 ppm	0.0010 ppm
Concentration RSD	3.0 %	546.0 %	16.5 %	45.8 %	0.4 %	1.0 %	41.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.7068 ppm	0.6606 ppm	0.0011 ppm	118.4845 ppm	0.0008 ppm	0.0013 ppm	-0.0119 ppm
Concentration per Run 1	6.7267 ppm	0.6656 ppm	0.0018 ppm	118.4341 ppm	0.0016 ppm	0.0003 ppm	-0.0060 ppm
Concentration per Run 2	6.7146 ppm	0.6559 ppm	0.0004 ppm	117.5829 ppm	-0.0005 ppm	0.0002 ppm	-0.0194 ppm
Concentration per Run 3	6.6791 ppm	0.6604 ppm	0.0009 ppm	119.4364 ppm	0.0012 ppm	0.0003 ppm	-0.0102 ppm
Concentration RSD	0.4 %	0.7 %	64.8 %	0.8 %	139.5 %	139.4 %	57.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0070 ppm	6.8253 ppm	0.0013 ppm	0.1573 ppm	0.0029 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 1	-0.0094 ppm	6.8658 ppm	0.0019 ppm	0.1579 ppm	0.0030 ppm	0.0004 ppm	-0.0007 ppm
Concentration per Run 2	-0.0037 ppm	6.8068 ppm	0.0013 ppm	0.1558 ppm	0.0038 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 3	-0.0080 ppm	6.8031 ppm	0.0008 ppm	0.1581 ppm	0.0020 ppm	-0.0031 ppm	0.0009 ppm
Concentration RSD	41.8 %	0.5 %	40.4 %	0.8 %	29.9 %	230.1 %	592.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0240 ppm	101.1865 %	102.2718 %	104.2597 %	101.4056 %	100.4069 %	104.1704 %
Concentration per Run 1	0.0247 ppm	101.4357 %	101.9348 %	104.5763 %	101.5822 %	100.2484 %	104.6614 %
Concentration per Run 2	0.0236 ppm	101.1655 %	102.8094 %	104.3081 %	101.5378 %	100.4569 %	103.8497 %
Concentration per Run 3	0.0237 ppm	100.9584 %	102.0711 %	103.8949 %	101.0967 %	100.5153 %	104.0001 %
Concentration RSD	2.4 %	0.2 %	0.5 %	0.3 %	0.3 %	0.1 %	0.4 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2554337-04 WG2110234

Analysis started at: 9/12/2025 11:05:27 AM

Rack 1

Vial 31

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0019 ppm	0.0446 ppm	0.2069 ppm	6.4818 [SIC 50]	0.3357 ppm	0.0001 ppm	170.6572 ppm
Concentration per Run 1	0.0018 ppm	0.0451 ppm	0.2066 ppm	6.5459 ppm	0.3383 ppm	0.0001 ppm	171.5439 ppm
Concentration per Run 2	0.0018 ppm	0.0369 ppm	0.2079 ppm	6.4673 ppm	0.3358 ppm	0.0000 ppm	170.1991 ppm
Concentration per Run 3	0.0022 ppm	0.0518 ppm	0.2063 ppm	6.4323 ppm	0.3331 ppm	0.0001 ppm	170.2286 ppm
Concentration RSD	11.6 %	16.7 %	0.4 %	0.9 %	0.8 %	58.8 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0011 ppm	0.0090 ppm	0.0013 ppm	0.0047 ppm	16.4418 ppm	36.0793 ppm	0.0036 ppm
Concentration per Run 1	-0.0013 ppm	0.0098 ppm	0.0010 ppm	0.0048 ppm	16.5540 ppm	36.1513 ppm	0.0041 ppm
Concentration per Run 2	-0.0009 ppm	0.0096 ppm	0.0010 ppm	0.0039 ppm	16.4305 ppm	36.1033 ppm	0.0035 ppm
Concentration per Run 3	-0.0012 ppm	0.0075 ppm	0.0020 ppm	0.0053 ppm	16.3409 ppm	35.9834 ppm	0.0032 ppm
Concentration RSD	19.3 %	14.1 %	42.3 %	14.5 %	0.7 %	0.2 %	13.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	38.3631 ppm	4.2521 ppm	0.0033 ppm	331.4368 ppm	0.0476 ppm	-0.0001 ppm	-0.0078 ppm
Concentration per Run 1	38.4257 ppm	4.3242 ppm	0.0033 ppm	332.8112 ppm	0.0485 ppm	0.0014 ppm	-0.0026 ppm
Concentration per Run 2	38.4219 ppm	4.2303 ppm	0.0030 ppm	330.5312 ppm	0.0469 ppm	-0.0016 ppm	-0.0145 ppm
Concentration per Run 3	38.2416 ppm	4.2018 ppm	0.0035 ppm	330.9630 ppm	0.0475 ppm	-0.0002 ppm	-0.0063 ppm
Concentration RSD	0.3 %	1.5 %	8.2 %	0.4 %	1.7 %	1.108.1 %	78.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0052 ppm	11.2882 ppm	-0.0012 ppm	0.9418 ppm	0.0001 ppm	0.0014 ppm	0.0010 ppm
Concentration per Run 1	-0.0057 ppm	11.3195 ppm	-0.0021 ppm	0.9477 ppm	-0.0001 ppm	0.0024 ppm	0.0013 ppm
Concentration per Run 2	-0.0035 ppm	11.3122 ppm	0.0005 ppm	0.9415 ppm	0.0008 ppm	0.0039 ppm	0.0012 ppm
Concentration per Run 3	-0.0063 ppm	11.2329 ppm	-0.0019 ppm	0.9363 ppm	-0.0004 ppm	-0.0021 ppm	0.0005 ppm
Concentration RSD	28.5 %	0.4 %	121.5 %	0.6 %	562.5 %	223.8 %	44.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0019 ppm	101.9006 %	100.7410 %	103.8929 %	102.5431 %	99.7781 %	103.9410 %
Concentration per Run 1	-0.0020 ppm	101.0572 %	99.8608 %	102.9097 %	102.0077 %	99.1805 %	102.7152 %
Concentration per Run 2	-0.0012 ppm	102.3455 %	100.9311 %	105.1501 %	102.8958 %	99.7898 %	104.8241 %
Concentration per Run 3	-0.0024 ppm	102.2992 %	101.4312 %	103.6188 %	102.7259 %	100.3639 %	104.2838 %
Concentration RSD	31.7 %	0.7 %	0.8 %	1.1 %	0.5 %	0.6 %	1.1 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2554337-05 WG2110234

Analysis started at: 9/12/2025 11:08:41 AM

Rack 1

Vial 32

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0023 ppm	0.0357 ppm	0.0292 ppm	0.9573 ppm	0.0914 ppm	0.0000 ppm	61.0025 ppm
Concentration per Run 1	0.0028 ppm	0.0389 ppm	0.0259 ppm	0.9550 ppm	0.0918 ppm	0.0000 ppm	61.1250 ppm
Concentration per Run 2	0.0015 ppm	0.0403 ppm	0.0315 ppm	0.9535 ppm	0.0913 ppm	0.0001 ppm	61.2833 ppm
Concentration per Run 3	0.0025 ppm	0.0280 ppm	0.0303 ppm	0.9635 ppm	0.0909 ppm	0.0001 ppm	60.5992 ppm
Concentration RSD	32.0 %	18.8 %	10.1 %	0.6 %	0.5 %	97.2 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0004 ppm	0.0046 ppm	0.0000 ppm	0.0008 ppm	1.5876 ppm	16.3361 ppm	0.0009 ppm
Concentration per Run 1	-0.0005 ppm	0.0054 ppm	-0.0007 ppm	-0.0004 ppm	1.5977 ppm	16.4027 ppm	0.0021 ppm
Concentration per Run 2	-0.0002 ppm	0.0047 ppm	0.0006 ppm	0.0020 ppm	1.5869 ppm	16.2774 ppm	0.0002 ppm
Concentration per Run 3	-0.0005 ppm	0.0037 ppm	0.0001 ppm	0.0007 ppm	1.5781 ppm	16.3281 ppm	0.0005 ppm
Concentration RSD	38.4 %	18.6 %	6.044,1 %	150.7 %	0.6 %	0.4 %	112.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.2067 ppm	1.3119 ppm	0.0069 ppm	132.8702 ppm	0.0064 ppm	-0.0007 ppm	-0.0085 ppm
Concentration per Run 1	11.2307 ppm	1.3148 ppm	0.0073 ppm	133.3102 ppm	0.0065 ppm	-0.0074 ppm	-0.0074 ppm
Concentration per Run 2	11.1739 ppm	1.3156 ppm	0.0077 ppm	133.1652 ppm	0.0072 ppm	0.0003 ppm	-0.0074 ppm
Concentration per Run 3	11.2156 ppm	1.3052 ppm	0.0058 ppm	132.1352 ppm	0.0055 ppm	-0.0020 ppm	-0.0106 ppm
Concentration RSD	0.3 %	0.4 %	14.8 %	0.5 %	13.3 %	177.2 %	22.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0034 ppm	7.3407 ppm	-0.0002 ppm	0.2648 ppm	-0.0023 ppm	0.0019 ppm	-0.0011 ppm
Concentration per Run 1	-0.0062 ppm	7.3558 ppm	-0.0004 ppm	0.2660 ppm	-0.0026 ppm	-0.0008 ppm	-0.0016 ppm
Concentration per Run 2	-0.0018 ppm	7.3222 ppm	-0.0002 ppm	0.2649 ppm	-0.0023 ppm	0.0005 ppm	-0.0008 ppm
Concentration per Run 3	-0.0022 ppm	7.3442 ppm	-0.0002 ppm	0.2635 ppm	-0.0020 ppm	0.0061 ppm	-0.0010 ppm
Concentration RSD	71.6 %	0.2 %	52.9 %	0.5 %	12.4 %	187.6 %	36.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0031 ppm	101.4812 %	101.7798 %	104.4844 %	101.8701 %	100.4413 %	103.4976 %
Concentration per Run 1	-0.0034 ppm	102.1052 %	101.5904 %	104.0620 %	102.5379 %	100.6332 %	102.9824 %
Concentration per Run 2	-0.0026 ppm	101.9729 %	100.8562 %	104.3032 %	102.0698 %	99.7971 %	103.6219 %
Concentration per Run 3	-0.0034 ppm	100.3655 %	102.8928 %	105.0881 %	101.0025 %	100.8938 %	103.8886 %
Concentration RSD	13.7 %	1.0 %	1.0 %	0.5 %	0.8 %	0.6 %	0.4 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCV
Analysis started at: 9/12/2025 11:11:56 AM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5066 ppm	0.5286 ppm	0.5152 ppm	0.5195 ppm	0.5152 ppm	0.5268 ppm	0.5165 ppm
Concentration per Run 1	0.5077 ppm	0.5213 ppm	0.5153 ppm	0.5185 ppm	0.5164 ppm	0.5279 ppm	0.5139 ppm
Concentration per Run 2	0.5055 ppm	0.5311 ppm	0.5151 ppm	0.5219 ppm	0.5173 ppm	0.5276 ppm	0.5176 ppm
Concentration per Run 3	0.5066 ppm	0.5335 ppm	0.5152 ppm	0.5181 ppm	0.5120 ppm	0.5249 ppm	0.5180 ppm
Recovery Percentage 1	101.326 %	105.726 %	103.034 %	103.900 %	103.047 %	105.356 %	103.302 %
Concentration RSD	0.2 %	1.2 %	0.0 %	0.4 %	0.6 %	0.3 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5178 ppm	0.5232 ppm	0.5239 ppm	0.5180 ppm	0.5211 ppm	5.4145 ppm	0.5324 ppm
Concentration per Run 1	0.5153 ppm	0.5202 ppm	0.5232 ppm	0.5134 ppm	0.5203 ppm	5.4438 ppm	0.5335 ppm
Concentration per Run 2	0.5209 ppm	0.5262 ppm	0.5266 ppm	0.5205 ppm	0.5236 ppm	5.4460 ppm	0.5364 ppm
Concentration per Run 3	0.5173 ppm	0.5232 ppm	0.5218 ppm	0.5200 ppm	0.5194 ppm	5.3538 ppm	0.5274 ppm
Recovery Percentage 1	103.559 %	104.642 %	104.773 %	103.593 %	104.226 %	108.291 %	106.490 %
Concentration RSD	0.5 %	0.6 %	0.5 %	0.8 %	0.4 %	1.0 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.5028 ppm	0.5217 ppm	0.5172 ppm	0.5281 ppm	0.5232 ppm	0.5369 ppm	0.5160 ppm
Concentration per Run 1	0.5033 ppm	0.5213 ppm	0.5128 ppm	0.5270 ppm	0.5171 ppm	0.5430 ppm	0.5144 ppm
Concentration per Run 2	0.5031 ppm	0.5233 ppm	0.5217 ppm	0.5188 ppm	0.5311 ppm	0.5363 ppm	0.5203 ppm
Concentration per Run 3	0.5020 ppm	0.5205 ppm	0.5171 ppm	0.5286 ppm	0.5213 ppm	0.5315 ppm	0.5133 ppm
Recovery Percentage 1	100.556 %	104.339 %	103.443 %	106.281 %	104.640 %	107.389 %	103.196 %
Concentration RSD	0.1 %	0.3 %	0.9 %	0.1 %	1.4 %	1.1 %	0.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5153 ppm	5.4614 ppm	0.5101 ppm	0.5197 ppm	0.5130 ppm	0.5295 ppm	0.5225 ppm
Concentration per Run 1	0.5184 ppm	5.4439 ppm	0.5048 ppm	0.5207 ppm	0.5106 ppm	0.5301 ppm	0.5199 ppm
Concentration per Run 2	0.5130 ppm	5.4916 ppm	0.5195 ppm	0.5211 ppm	0.5137 ppm	0.5246 ppm	0.5256 ppm
Concentration per Run 3	0.5145 ppm	5.4487 ppm	0.5060 ppm	0.5171 ppm	0.5148 ppm	0.5339 ppm	0.5225 ppm
Recovery Percentage 1	103.063 %	104.026 %	102.025 %	103.932 %	102.605 %	105.906 %	104.530 %
Concentration RSD	0.5 %	0.5 %	1.6 %	0.4 %	0.4 %	0.9 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5263 ppm	98.9903 %	101.0342 %	102.3463 %	99.1470 %	99.8004 %	102.2312 %
Concentration per Run 1	0.5243 ppm	99.4931 %	101.0994 %	101.7759 %	99.1754 %	99.6673 %	102.2156 %
Concentration per Run 2	0.5324 ppm	98.1903 %	101.2012 %	102.8237 %	99.0280 %	100.0816 %	102.3924 %
Concentration per Run 3	0.5221 ppm	99.2876 %	100.8021 %	102.4393 %	99.2376 %	99.6522 %	102.0857 %
Recovery Percentage 1	105.254 %	0.7 %	0.2 %	0.5 %	0.1 %	0.2 %	0.2 %
Concentration RSD	1.0 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCB
Analysis started at: 9/12/2025 11:15:10 AM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0024 ppm	0.0204 ppm	-0.0001 ppm	0.0062 ppm	0.0004 ppm	0.0001 ppm	-0.0007 ppm
Concentration per Run 1	0.0020 ppm	0.0201 ppm	-0.0019 ppm	0.0068 ppm	0.0004 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 2	0.0035 ppm	0.0226 ppm	0.0004 ppm	0.0049 ppm	0.0003 ppm	0.0001 ppm	-0.0020 ppm
Concentration per Run 3	0.0017 ppm	0.0185 ppm	0.0012 ppm	0.0068 ppm	0.0005 ppm	0.0001 ppm	-0.0009 ppm
Recovery Percentage 1	34.049 %	20.404 %	-1.405 %	20.538 %	4.166 %	2.522 %	-0.669 %
Concentration RSD	41.4 %	10.2 %	2.296.7 %	17.3 %	15.5 %	33.1 %	220.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	-0.0006 ppm	0.0005 ppm	0.0002 ppm	0.0018 ppm	0.0310 ppm	0.0022 ppm
Concentration per Run 1	0.0003 ppm	-0.0014 ppm	0.0011 ppm	-0.0002 ppm	0.0003 ppm	0.0334 ppm	0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	0.0015 ppm	-0.0002 ppm	0.0023 ppm	0.0253 ppm	0.0029 ppm
Concentration per Run 3	0.0002 ppm	-0.0011 ppm	-0.0012 ppm	0.0008 ppm	0.0028 ppm	0.0342 ppm	0.0023 ppm
Recovery Percentage 1	3.209 %	-3.113 %	1.591 %	360.3 %	3.653 %	1.239 %	44.641 %
Concentration RSD	74.5 %	173.7 %	324.5 %	73.4 %	15.8 %	15.8 %	28.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0060 ppm	-0.0002 ppm	0.0042 ppm	0.0141 ppm	-0.0015 ppm	-0.0025 ppm	-0.0100 ppm
Concentration per Run 1	-0.0033 ppm	0.0000 ppm	0.0048 ppm	0.0084 ppm	-0.0023 ppm	-0.0044 ppm	-0.0114 ppm
Concentration per Run 2	-0.0077 ppm	-0.0004 ppm	0.0201 ppm	0.0201 ppm	-0.0043 ppm	-0.0158 ppm	-0.0158 ppm
Concentration per Run 3	-0.0069 ppm	-0.0001 ppm	0.0038 ppm	0.0138 ppm	0.0022 ppm	-0.0014 ppm	-0.0029 ppm
Recovery Percentage 1	-5.951 %	-1.855 %	8.479 %	0.704 %	-5.844 %	-24.651 %	-20.078 %
Concentration RSD	39.9 %	128.8 %	11.8 %	41.7 %	228.2 %	66.6 %	65.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0014 ppm	-0.0026 ppm	0.0021 ppm	0.0001 ppm	-0.0016 ppm	-0.0033 ppm	-0.0014 ppm
Concentration per Run 1	-0.0002 ppm	-0.0038 ppm	0.0032 ppm	0.0002 ppm	-0.0013 ppm	-0.0079 ppm	-0.0015 ppm
Concentration per Run 2	-0.0030 ppm	-0.0067 ppm	0.0021 ppm	0.0001 ppm	-0.0018 ppm	0.0017 ppm	-0.0017 ppm
Concentration per Run 3	-0.0011 ppm	0.0028 ppm	0.0011 ppm	0.0001 ppm	-0.0016 ppm	-0.0037 ppm	-0.0010 ppm
Recovery Percentage 1	-14.296 %	-0.517 %	4.286 %	1.166 %	-15.956 %	-16.513 %	-13.997 %
Concentration RSD	101.0 %	187.5 %	50.4 %	29.5 %	17.1 %	146.7 %	26.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0004 ppm	96.4581 %	99.1504 %	100.9022 %	98.4588 %	99.2348 %	101.3784 %
Concentration per Run 1	-0.0001 ppm	97.6621 %	98.9866 %	100.3700 %	98.7149 %	99.6111 %	100.8974 %
Concentration per Run 2	-0.0004 ppm	96.4208 %	98.1747 %	101.6684 %	98.0705 %	97.7530 %	102.2700 %
Concentration per Run 3	-0.0006 ppm	95.2916 %	100.2900 %	100.6681 %	98.5909 %	100.3404 %	100.9676 %
Recovery Percentage 1	-7.011 %	1.2 %	1.1 %	0.7 %	0.3 %	1.3 %	0.8 %
Concentration RSD	72.8 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2110234-1 WG2110234

Analysis started at: 9/12/2025 11:32:18 AM

Rack 1

Vial 25

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0015 ppm	0.0185 ppm		0.0019 ppm	0.0003 ppm	0.0000 ppm	-0.0049 ppm
Concentration per Run 1	0.0020 ppm	0.0151 ppm		0.0030 ppm	0.0004 ppm	0.0000 ppm	-0.0098 ppm
Concentration per Run 2	0.0014 ppm	0.0186 ppm		0.0011 ppm	0.0002 ppm	-0.0001 ppm	-0.0029 ppm
Concentration per Run 3	0.0011 ppm	0.0220 ppm		0.0014 ppm	0.0003 ppm	0.0000 ppm	-0.0022 ppm
Recovery Percentage 1	21.521 %	18.541 %	36.673 %	6.196 %	3.113 %	-0.336 %	-4.946 %
Concentration RSD	30.3 %	18.6 %	12.4 %	54.1 %	31.0 %	239.7 %	84.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0011 ppm	0.0002 ppm	0.0003 ppm	0.0165 ppm	0.0467 ppm	0.0018 ppm
Concentration per Run 1	-0.0001 ppm	-0.0013 ppm	0.0012 ppm	0.0002 ppm	0.0163 ppm	0.0512 ppm	0.0023 ppm
Concentration per Run 2	0.0002 ppm	-0.0003 ppm	0.0001 ppm	-0.0005 ppm	0.0163 ppm	0.0430 ppm	0.0010 ppm
Concentration per Run 3	-0.0003 ppm	-0.0017 ppm	-0.0005 ppm	0.0011 ppm	0.0168 ppm	0.0458 ppm	0.0020 ppm
Recovery Percentage 1	-1.148 %	-5.446 %	2.486 %	2.507 %	32.974 %	1.866 %	36.087 %
Concentration RSD	435.2 %	64.7 %	356.1 %	314.3 %	1.7 %	9.0 %	37.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0040 ppm	-0.0001 ppm	0.0008 ppm	-0.0046 ppm	-0.0012 ppm	0.0001 ppm	-0.0115 ppm
Concentration per Run 1	-0.0042 ppm	-0.0002 ppm	0.0013 ppm	-0.0090 ppm	0.0004 ppm	0.0016 ppm	-0.0093 ppm
Concentration per Run 2	-0.0032 ppm	0.0000 ppm	0.0011 ppm	-0.0016 ppm	-0.0029 ppm	-0.0014 ppm	-0.0116 ppm
Concentration per Run 3	-0.0046 ppm	-0.0002 ppm	-0.0002 ppm	-0.0033 ppm	-0.0012 ppm	0.0000 ppm	-0.0137 ppm
Recovery Percentage 1	-3.999 %	-1.303 %	1.505 %	-0.231 %	-4.940 %	0.750 %	-23.086 %
Concentration RSD	18.8 %	68.9 %	104.6 %	83.8 %	131.0 %	2.015.9 %	19.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0029 ppm	0.0028 ppm	-0.0009 ppm	0.0000 ppm	-0.0022 ppm	-0.0009 ppm	-0.0018 ppm
Concentration per Run 1	0.0006 ppm	-0.0003 ppm	-0.0021 ppm	0.0001 ppm	-0.0025 ppm	0.0036 ppm	-0.0018 ppm
Concentration per Run 2	-0.0002 ppm	-0.0018 ppm	-0.0002 ppm	0.0001 ppm	-0.0015 ppm	0.0018 ppm	-0.0020 ppm
Concentration per Run 3	-0.0092 ppm	0.0104 ppm	-0.0003 ppm	0.0000 ppm	-0.0026 ppm	-0.0080 ppm	-0.0016 ppm
Recovery Percentage 1	-29.214 %	0.554 %	-1.710 %	0.433 %	-22.031 %	-4.291 %	-18.014 %
Concentration RSD	186.5 %	239.9 %	122.9 %	101.8 %	27.2 %	724.4 %	10.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0005 ppm	98.4634 %	102.3925 %	102.9499 %	99.0408 %	102.2051 %	103.4774 %
Concentration per Run 1	-0.0005 ppm	98.6068 %	102.0635 %	103.2533 %	100.6658 %	102.1284 %	103.8901 %
Concentration per Run 2	-0.0006 ppm	104.7099 %	102.7037 %	102.5116 %	103.0620 %	102.7292 %	102.9294 %
Concentration per Run 3	-0.0006 ppm	92.0734 %	102.4101 %	103.0847 %	93.3948 %	101.7577 %	103.6126 %
Recovery Percentage 1	-10.871 %	6.4 %	0.3 %	0.4 %	5.1 %	0.5 %	0.5 %
Concentration RSD	11.7 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2110234-2 WG2110234

Analysis started at: 9/12/2025 11:35:37 AM

Rack 1

Vial 26

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0533 ppm	2.2124 ppm	0.1282 ppm	1.0601 ppm	2.0973 ppm	0.0536 ppm	10.8105 ppm
Concentration per Run 1	0.0538 ppm	2.2110 ppm	0.1277 ppm	1.0560 ppm	2.1022 ppm	0.0536 ppm	10.8222 ppm
Concentration per Run 2	0.0535 ppm	2.2152 ppm	0.1290 ppm	1.0562 ppm	2.0895 ppm	0.0535 ppm	10.8276 ppm
Concentration per Run 3	0.0525 ppm	2.2109 ppm	0.1279 ppm	1.0680 ppm	2.1003 ppm	0.0536 ppm	10.7816 ppm
Concentration RSD	1.2 %	0.1 %	0.6 %	0.7 %	0.3 %	0.1 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0557 ppm	0.5190 ppm	0.2095 ppm	0.2573 ppm	1.0677 ppm	10.9676 ppm	0.0004 ppm
Concentration per Run 1	0.0554 ppm	0.5212 ppm	0.2095 ppm	0.2587 ppm	1.0614 ppm	11.0113 ppm	0.0005 ppm
Concentration per Run 2	0.0557 ppm	0.5151 ppm	0.2082 ppm	0.2555 ppm	1.0648 ppm	10.9163 ppm	-0.0005 ppm
Concentration per Run 3	0.0558 ppm	0.5206 ppm	0.2107 ppm	0.2576 ppm	1.0768 ppm	10.9751 ppm	0.0011 ppm
Concentration RSD	0.4 %	0.6 %	0.6 %	0.6 %	0.8 %	0.4 %	217.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.3457 ppm	0.5268 ppm	1.0038 ppm	10.8130 ppm	0.5258 ppm	0.5626 ppm	0.3492 ppm
Concentration per Run 1	10.3212 ppm	0.5267 ppm	0.9959 ppm	10.8224 ppm	0.5239 ppm	0.5595 ppm	0.3499 ppm
Concentration per Run 2	10.2909 ppm	0.5272 ppm	0.9995 ppm	10.8690 ppm	0.5220 ppm	0.5665 ppm	0.3451 ppm
Concentration per Run 3	10.4251 ppm	0.5264 ppm	1.0161 ppm	10.7476 ppm	0.5314 ppm	0.5617 ppm	0.3526 ppm
Concentration RSD	0.7 %	0.1 %	1.1 %	0.6 %	0.9 %	0.6 %	1.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1270 ppm	1.1672 ppm	0.9308 ppm	1.0457 ppm	1.0423 ppm	0.1284 ppm	0.5380 ppm
Concentration per Run 1	0.1262 ppm	1.1670 ppm	0.9215 ppm	1.0485 ppm	1.0374 ppm	0.1302 ppm	0.5404 ppm
Concentration per Run 2	0.1253 ppm	1.1627 ppm	0.9286 ppm	1.0410 ppm	1.0370 ppm	0.1312 ppm	0.5348 ppm
Concentration per Run 3	0.1295 ppm	1.1720 ppm	0.9423 ppm	1.0476 ppm	1.0527 ppm	0.1236 ppm	0.5388 ppm
Concentration RSD	1.7 %	0.4 %	1.1 %	0.4 %	0.9 %	3.2 %	0.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5330 ppm	100.6497 %	102.6483 %	103.2071 %	100.8107 %	101.3293 %	102.6356 %
Concentration per Run 1	0.5310 ppm	101.9530 %	102.6949 %	103.6751 %	102.5333 %	101.3422 %	102.9540 %
Concentration per Run 2	0.5302 ppm	101.3167 %	101.9286 %	103.4100 %	100.8720 %	100.7782 %	102.6555 %
Concentration per Run 3	0.5378 ppm	98.6794 %	103.3213 %	102.5363 %	99.0268 %	101.8675 %	102.2971 %
Concentration RSD	0.8 %	1.7 %	0.7 %	0.6 %	1.7 %	0.5 %	0.3 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2110234-3 WG2110234

Analysis started at: 9/12/2025 11:38:50 AM

Rack 1

Vial 27

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0540 ppm	2.2085 ppm	0.1238 ppm	1.0441 ppm	2.0989 ppm	0.0533 ppm	10.6466 ppm
Concentration per Run 1	0.0535 ppm	2.2005 ppm	0.1250 ppm	1.0397 ppm	2.0944 ppm	0.0533 ppm	10.6584 ppm
Concentration per Run 2	0.0539 ppm	2.2176 ppm	0.1250 ppm	1.0534 ppm	2.1068 ppm	0.0535 ppm	10.6891 ppm
Concentration per Run 3	0.0545 ppm	2.2075 ppm	0.1212 ppm	1.0393 ppm	2.0955 ppm	0.0532 ppm	10.5923 ppm
Concentration RSD	0.9 %	0.4 %	1.8 %	0.8 %	0.3 %	0.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0559 ppm	0.5178 ppm	0.2079 ppm	0.2552 ppm	1.0706 ppm	10.8213 ppm	0.0001 ppm
Concentration per Run 1	0.0558 ppm	0.5171 ppm	0.2070 ppm	0.2556 ppm	1.0681 ppm	10.8140 ppm	-0.0002 ppm
Concentration per Run 2	0.0559 ppm	0.5163 ppm	0.2075 ppm	0.2550 ppm	1.0721 ppm	10.8397 ppm	0.0005 ppm
Concentration per Run 3	0.0559 ppm	0.5200 ppm	0.2093 ppm	0.2548 ppm	1.0715 ppm	10.8103 ppm	0.0001 ppm
Concentration RSD	0.1 %	0.4 %	0.6 %	0.2 %	0.2 %	0.1 %	285.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.1614 ppm	0.5274 ppm	1.0233 ppm	10.7297 ppm	0.5224 ppm	0.5481 ppm	0.3915 ppm
Concentration per Run 1	10.1509 ppm	0.5277 ppm	1.0121 ppm	10.6901 ppm	0.5200 ppm	0.5465 ppm	0.3868 ppm
Concentration per Run 2	10.1348 ppm	0.5297 ppm	1.0295 ppm	10.8242 ppm	0.5247 ppm	0.5459 ppm	0.3917 ppm
Concentration per Run 3	10.1986 ppm	0.5248 ppm	1.0284 ppm	10.6749 ppm	0.5226 ppm	0.5518 ppm	0.3959 ppm
Concentration RSD	0.3 %	0.5 %	1.0 %	0.8 %	0.4 %	0.6 %	1.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1203 ppm	1.1463 ppm	0.9678 ppm	1.0291 ppm	1.0327 ppm	0.1246 ppm	0.5357 ppm
Concentration per Run 1	0.1217 ppm	1.1350 ppm	0.9563 ppm	1.0292 ppm	1.0305 ppm	0.1264 ppm	0.5331 ppm
Concentration per Run 2	0.1186 ppm	1.1552 ppm	0.9783 ppm	1.0315 ppm	1.0304 ppm	0.1259 ppm	0.5372 ppm
Concentration per Run 3	0.1205 ppm	1.1487 ppm	0.9689 ppm	1.0265 ppm	1.0371 ppm	0.1215 ppm	0.5368 ppm
Concentration RSD	1.3 %	0.9 %	1.1 %	0.2 %	0.4 %	2.2 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5327 ppm	100.9100 %	102.6422 %	103.2492 %	100.8383 %	101.2806 %	102.5413 %
Concentration per Run 1	0.5298 ppm	101.6357 %	103.0143 %	103.3026 %	100.9661 %	101.8078 %	102.4451 %
Concentration per Run 2	0.5351 ppm	102.8287 %	102.8534 %	102.9020 %	100.5954 %	101.6800 %	102.1098 %
Concentration per Run 3	0.5332 ppm	100.7656 %	102.0590 %	103.5429 %	100.9534 %	100.3542 %	103.0689 %
Concentration RSD	0.5 %	0.7 %	0.5 %	0.3 %	0.2 %	0.8 %	0.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2554337-06 WG2110234

Analysis started at: 9/12/2025 11:42:03 AM

Rack 1

Vial 33

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	0.5223 ppm	0.0206 ppm	1.1448 ppm	0.0999 ppm	0.0002 ppm	55.9074 ppm
Concentration per Run 1	0.0029 ppm	0.5179 ppm	0.0217 ppm	1.1345 ppm	0.1005 ppm	0.0002 ppm	55.8151 ppm
Concentration per Run 2	0.0022 ppm	0.5243 ppm	0.0181 ppm	1.1495 ppm	0.0993 ppm	0.0002 ppm	55.8485 ppm
Concentration per Run 3	0.0010 ppm	0.5247 ppm	0.0222 ppm	1.1505 ppm	0.0999 ppm	0.0001 ppm	56.0584 ppm
Concentration RSD	47.0 %	0.7 %	10.9 %	0.8 %	0.6 %	29.9 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0027 ppm	0.0033 ppm	0.0023 ppm	0.0087 ppm	7.0660 ppm	14.2249 ppm	0.0019 ppm
Concentration per Run 1	0.0029 ppm	0.0041 ppm	0.0018 ppm	0.0093 ppm	7.1047 ppm	14.2922 ppm	0.0021 ppm
Concentration per Run 2	0.0027 ppm	0.0036 ppm	0.0026 ppm	0.0071 ppm	7.0431 ppm	14.2038 ppm	0.0024 ppm
Concentration per Run 3	0.0026 ppm	0.0022 ppm	0.0023 ppm	0.0096 ppm	7.0504 ppm	14.1785 ppm	0.0012 ppm
Concentration RSD	5.4 %	29.3 %	17.5 %	15.5 %	0.5 %	0.4 %	34.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.3784 ppm	0.7806 ppm	0.0270 ppm	127.9683 ppm	0.0195 ppm	0.0096 ppm	0.0022 ppm
Concentration per Run 1	9.3623 ppm	0.7835 ppm	0.0274 ppm	127.7903 ppm	0.0215 ppm	0.0077 ppm	-0.0018 ppm
Concentration per Run 2	9.3911 ppm	0.7782 ppm	0.0278 ppm	127.9504 ppm	0.0209 ppm	0.0087 ppm	-0.0010 ppm
Concentration per Run 3	9.3819 ppm	0.7801 ppm	0.0257 ppm	128.1641 ppm	0.0162 ppm	0.0124 ppm	0.0094 ppm
Concentration RSD	0.2 %	0.3 %	4.1 %	0.1 %	14.8 %	25.7 %	284.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0019 ppm	6.7205 ppm	0.0185 ppm	0.2673 ppm	0.0061 ppm	-0.0017 ppm	0.0049 ppm
Concentration per Run 1	-0.0007 ppm	6.6759 ppm	0.0200 ppm	0.2686 ppm	0.0055 ppm	0.0001 ppm	0.0048 ppm
Concentration per Run 2	-0.0021 ppm	6.7453 ppm	0.0170 ppm	0.2660 ppm	0.0066 ppm	-0.0036 ppm	0.0053 ppm
Concentration per Run 3	-0.0028 ppm	6.7404 ppm	0.0184 ppm	0.2674 ppm	0.0063 ppm	-0.0017 ppm	0.0047 ppm
Concentration RSD	58.4 %	0.6 %	8.2 %	0.5 %	8.8 %	107.8 %	6.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0167 ppm	101.8110 %	102.0135 %	104.0584 %	101.7750 %	101.1684 %	104.0152 %
Concentration per Run 1	0.0169 ppm	102.3243 %	101.1252 %	104.2668 %	102.0640 %	100.6834 %	104.2910 %
Concentration per Run 2	0.0165 ppm	101.9840 %	102.4810 %	104.8199 %	102.0344 %	101.3117 %	104.2923 %
Concentration per Run 3	0.0166 ppm	101.1248 %	102.4342 %	103.0885 %	101.2266 %	101.5102 %	103.4625 %
Concentration RSD	1.3 %	0.6 %	0.8 %	0.8 %	0.5 %	0.4 %	0.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2554337-07 WG2110234

Analysis started at: 9/12/2025 11:45:18 AM

Rack 1

Vial 34

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0018 ppm	0.8853 ppm	0.0025 ppm	0.0625 ppm	0.0841 ppm	0.0002 ppm	52.9886 ppm
Concentration per Run 1	0.0029 ppm	0.8963 ppm	0.0046 ppm	0.0638 ppm	0.0842 ppm	0.0001 ppm	53.2528 ppm
Concentration per Run 2	-0.0002 ppm	0.8823 ppm	-0.0009 ppm	0.0622 ppm	0.0844 ppm	0.0002 ppm	52.9363 ppm
Concentration per Run 3	0.0028 ppm	0.8774 ppm	0.0037 ppm	0.0614 ppm	0.0837 ppm	0.0001 ppm	52.7767 ppm
Concentration RSD	98.4 %	1.1 %	119.6 %	1.9 %	0.5 %	16.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0009 ppm	0.0006 ppm	0.0035 ppm	0.0230 ppm	13.0028 ppm	11.3886 ppm	0.0025 ppm
Concentration per Run 1	0.0007 ppm	0.0010 ppm	0.0034 ppm	0.0230 ppm	13.0790 ppm	11.4255 ppm	0.0047 ppm
Concentration per Run 2	0.0010 ppm	0.0006 ppm	0.0031 ppm	0.0234 ppm	13.0211 ppm	11.4092 ppm	0.0019 ppm
Concentration per Run 3	0.0010 ppm	0.0003 ppm	0.0038 ppm	0.0226 ppm	12.9082 ppm	11.3312 ppm	0.0009 ppm
Concentration RSD	19.8 %	52.4 %	9.6 %	1.7 %	0.7 %	0.4 %	78.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.3984 ppm	0.8748 ppm	0.0026 ppm	101.4031 ppm	0.0195 ppm	-0.0018 ppm	-0.0106 ppm
Concentration per Run 1	6.4017 ppm	0.8791 ppm	0.0039 ppm	101.8493 ppm	0.0203 ppm	-0.0002 ppm	-0.0157 ppm
Concentration per Run 2	6.3785 ppm	0.8771 ppm	0.0012 ppm	101.3974 ppm	0.0189 ppm	-0.0010 ppm	-0.0077 ppm
Concentration per Run 3	6.4151 ppm	0.8682 ppm	0.0027 ppm	100.9626 ppm	0.0192 ppm	-0.0042 ppm	-0.0085 ppm
Concentration RSD	0.3 %	0.7 %	50.8 %	0.4 %	3.9 %	114.4 %	41.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0040 ppm	7.6007 ppm	0.0079 ppm	0.2311 ppm	0.0404 ppm	0.0043 ppm	0.0007 ppm
Concentration per Run 1	-0.0068 ppm	7.5898 ppm	0.0095 ppm	0.2323 ppm	0.0404 ppm	0.0023 ppm	0.0011 ppm
Concentration per Run 2	-0.0038 ppm	7.6223 ppm	0.0098 ppm	0.2322 ppm	0.0403 ppm	0.0075 ppm	-0.0002 ppm
Concentration per Run 3	-0.0015 ppm	7.5901 ppm	0.0044 ppm	0.2289 ppm	0.0406 ppm	0.0030 ppm	0.0013 ppm
Concentration RSD	64.8 %	0.2 %	38.1 %	0.8 %	0.3 %	65.6 %	111.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1116 ppm	101.1536 %	102.9185 %	102.9549 %	101.6757 %	102.0916 %	103.1221 %
Concentration per Run 1	0.1107 ppm	101.8363 %	102.1227 %	102.4976 %	102.3307 %	101.1131 %	102.7407 %
Concentration per Run 2	0.1117 ppm	100.1998 %	102.7101 %	103.0097 %	100.7311 %	102.0707 %	103.3711 %
Concentration per Run 3	0.1124 ppm	101.4246 %	103.9226 %	103.3575 %	101.9653 %	103.0909 %	103.2543 %
Concentration RSD	0.8 %	0.8 %	0.9 %	0.4 %	0.8 %	1.0 %	0.3 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2554337-10 WG2110234

Analysis started at: 9/12/2025 11:48:33 AM

Rack 1

Vial 35

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0022 ppm	0.0835 ppm	0.0303 ppm	0.1379 ppm	0.1581 ppm	0.0001 ppm	71.8555 ppm
Concentration per Run 1	0.0021 ppm	0.0815 ppm	0.0296 ppm	0.1417 ppm	0.1594 ppm	0.0001 ppm	72.3178 ppm
Concentration per Run 2	0.0024 ppm	0.0923 ppm	0.0323 ppm	0.1376 ppm	0.1596 ppm	0.0001 ppm	72.7599 ppm
Concentration per Run 3	0.0020 ppm	0.0767 ppm	0.0289 ppm	0.1343 ppm	0.1554 ppm	0.0001 ppm	70.4889 ppm
Concentration RSD	8.1 %	9.6 %	5.8 %	2.7 %	1.5 %	35.0 %	1.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0010 ppm	0.0013 ppm	0.0187 ppm	0.0059 ppm	73.0833 ppm	9.5214 ppm	0.0037 ppm
Concentration per Run 1	-0.0011 ppm	0.0012 ppm	0.0177 ppm	0.0053 ppm	73.7632 ppm	9.6488 ppm	0.0050 ppm
Concentration per Run 2	-0.0010 ppm	0.0000 ppm	0.0191 ppm	0.0064 ppm	73.8738 ppm	9.5728 ppm	0.0025 ppm
Concentration per Run 3	-0.0009 ppm	0.0027 ppm	0.0193 ppm	0.0060 ppm	71.6130 ppm	9.3425 ppm	0.0036 ppm
Concentration RSD	8.5 %	102.9 %	4.5 %	9.1 %	1.7 %	1.7 %	33.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.3416 ppm	1.2517 ppm	-0.0002 ppm	43.4551 ppm	0.0006 ppm	-0.0006 ppm	-0.0104 ppm
Concentration per Run 1	4.3423 ppm	1.2567 ppm	-0.0003 ppm	43.9073 ppm	0.0023 ppm	-0.0013 ppm	-0.0063 ppm
Concentration per Run 2	4.3511 ppm	1.2869 ppm	-0.0004 ppm	44.0076 ppm	0.0001 ppm	-0.0007 ppm	-0.0108 ppm
Concentration per Run 3	4.3314 ppm	1.2314 ppm	0.0002 ppm	42.4504 ppm	-0.0006 ppm	0.0000 ppm	-0.0139 ppm
Concentration RSD	0.2 %	1.5 %	170.8 %	2.0 %	254.4 %	103.4 %	37.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0030 ppm	20.8359 [SIC 200]	0.0039 ppm	0.2496 ppm	0.0009 ppm	-0.0013 ppm	-0.0008 ppm
Concentration per Run 1	-0.0033 ppm	20.7611 ppm	0.0026 ppm	0.2515 ppm	0.0007 ppm	-0.0005 ppm	-0.0011 ppm
Concentration per Run 2	-0.0016 ppm	20.9374 ppm	0.0034 ppm	0.2518 ppm	0.0018 ppm	-0.0048 ppm	-0.0013 ppm
Concentration per Run 3	-0.0040 ppm	20.8092 ppm	0.0057 ppm	0.2455 ppm	0.0003 ppm	0.0014 ppm	0.0001 ppm
Concentration RSD	41.9 %	0.4 %	41.0 %	1.4 %	80.0 %	242.8 %	97.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0024 ppm	100.5690 %	102.4395 %	101.5757 %	100.1633 %	101.1830 %	102.0636 %
Concentration per Run 1	0.0027 ppm	100.5928 %	101.5126 %	101.5255 %	99.8778 %	100.5311 %	101.7247 %
Concentration per Run 2	0.0025 ppm	101.6469 %	102.2224 %	102.0511 %	99.8259 %	99.9778 %	102.3790 %
Concentration per Run 3	0.0021 ppm	100.8917 %	104.1589 %	101.1506 %	100.7864 %	103.0401 %	102.0871 %
Concentration RSD	11.6 %	0.3 %	1.5 %	0.4 %	0.5 %	1.6 %	0.3 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2554337-11 WG2110234

Analysis started at: 9/12/2025 11:51:48 AM

Rack 1

Vial 36

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0012 ppm	0.0840 ppm	0.0320 ppm	0.0763 ppm	0.1557 ppm	0.0001 ppm	41.7566 ppm
Concentration per Run 1	0.0009 ppm	0.0832 ppm	0.0353 ppm	0.0762 ppm	0.1552 ppm	0.0000 ppm	41.3031 ppm
Concentration per Run 2	-0.0001 ppm	0.0821 ppm	0.0275 ppm	0.0748 ppm	0.1562 ppm	0.0001 ppm	42.1584 ppm
Concentration per Run 3	0.0027 ppm	0.0868 ppm	0.0330 ppm	0.0780 ppm	0.1556 ppm	0.0001 ppm	41.8084 ppm
Concentration RSD	120.4 %	2.9 %	12.5 %	2.1 %	0.3 %	39.3 %	1.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0026 ppm	0.0001 ppm	0.0110 ppm	0.0070 ppm	54.2331 ppm	7.5506 ppm	0.0023 ppm
Concentration per Run 1	0.0027 ppm	0.0005 ppm	0.0111 ppm	0.0054 ppm	54.0870 ppm	7.4926 ppm	0.0019 ppm
Concentration per Run 2	0.0026 ppm	0.0000 ppm	0.0108 ppm	0.0070 ppm	54.2854 ppm	7.5729 ppm	0.0022 ppm
Concentration per Run 3	0.0027 ppm	-0.0003 ppm	0.0110 ppm	0.0087 ppm	54.3269 ppm	7.5863 ppm	0.0029 ppm
Concentration RSD	1.8 %	800.8 %	1.4 %	23.1 %	0.2 %	0.7 %	20.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.2709 ppm	1.0743 ppm	0.0009 ppm	5.6919 ppm	0.0026 ppm	0.0042 ppm	-0.0132 ppm
Concentration per Run 1	2.2871 ppm	1.0738 ppm	0.0011 ppm	5.6547 ppm	0.0032 ppm	0.0035 ppm	-0.0148 ppm
Concentration per Run 2	2.2627 ppm	1.0756 ppm	0.0009 ppm	5.7458 ppm	0.0023 ppm	0.0058 ppm	-0.0114 ppm
Concentration per Run 3	2.2628 ppm	1.0733 ppm	0.0008 ppm	5.6752 ppm	0.0022 ppm	0.0032 ppm	-0.0135 ppm
Concentration RSD	0.6 %	0.1 %	19.4 %	0.8 %	22.1 %	34.4 %	13.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0018 ppm	14.4983 ppm	0.0023 ppm	0.1470 ppm	-0.0010 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run 1	-0.0046 ppm	14.5315 ppm	0.0010 ppm	0.1463 ppm	-0.0012 ppm	-0.0054 ppm	-0.0004 ppm
Concentration per Run 2	0.0010 ppm	14.4548 ppm	0.0014 ppm	0.1481 ppm	-0.0008 ppm	0.0038 ppm	0.0001 ppm
Concentration per Run 3	-0.0016 ppm	14.5086 ppm	0.0045 ppm	0.1468 ppm	-0.0010 ppm	0.0074 ppm	0.0006 ppm
Concentration RSD	160.3 %	0.3 %	84.7 %	0.6 %	21.1 %	338.0 %	413.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0666 ppm	99.3454 %	104.6722 %	100.8787 %	99.9592 %	103.1871 %	101.8328 %
Concentration per Run 1	0.0667 ppm	98.0826 %	104.2093 %	101.0281 %	98.7612 %	102.4129 %	101.6450 %
Concentration per Run 2	0.0668 ppm	100.5200 %	104.6097 %	100.6412 %	101.2942 %	103.6247 %	101.9048 %
Concentration per Run 3	0.0664 ppm	99.4337 %	105.1977 %	100.9668 %	99.8221 %	103.5238 %	101.9485 %
Concentration RSD	0.3 %	1.2 %	0.5 %	0.2 %	1.3 %	0.7 %	0.2 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2554337-12 WG2110234

Analysis started at: 9/12/2025 11:55:03 AM

Rack 1

Vial 37

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0014 ppm	0.0515 ppm	0.0859 ppm	0.1043 ppm	0.1771 ppm	0.0001 ppm	47.4279 ppm
Concentration per Run 1	0.0018 ppm	0.0471 ppm	0.0839 ppm	0.1055 ppm	0.1773 ppm	0.0001 ppm	47.4290 ppm
Concentration per Run 2	0.0011 ppm	0.0564 ppm	0.0848 ppm	0.1058 ppm	0.1754 ppm	0.0001 ppm	47.3293 ppm
Concentration per Run 3	0.0012 ppm	0.0509 ppm	0.0890 ppm	0.1017 ppm	0.1786 ppm	0.0001 ppm	47.5255 ppm
Concentration RSD	26.3 %	9.1 %	3.2 %	2.2 %	0.9 %	30.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0008 ppm	0.0006 ppm	0.0089 ppm	0.0042 ppm	84.3459 ppm	8.3764 ppm	0.0008 ppm
Concentration per Run 1	-0.0007 ppm	0.0012 ppm	0.0084 ppm	0.0037 ppm	84.3827 ppm	8.4169 ppm	-0.0005 ppm
Concentration per Run 2	-0.0010 ppm	0.0005 ppm	0.0101 ppm	0.0032 ppm	84.2567 ppm	8.2830 ppm	0.0015 ppm
Concentration per Run 3	-0.0006 ppm	0.0000 ppm	0.0081 ppm	0.0057 ppm	84.3984 ppm	8.4294 ppm	0.0014 ppm
Concentration RSD	26.9 %	105.4 %	12.1 %	31.6 %	0.1 %	1.0 %	134.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.4409 ppm	2.4753 ppm	0.0006 ppm	6.9251 ppm	0.0008 ppm	-0.0039 ppm	-0.0142 ppm
Concentration per Run 1	3.4312 ppm	2.4750 ppm	-0.0006 ppm	6.9571 ppm	0.0007 ppm	-0.0066 ppm	-0.0152 ppm
Concentration per Run 2	3.4497 ppm	2.4751 ppm	0.0018 ppm	6.8696 ppm	0.0006 ppm	-0.0023 ppm	-0.0040 ppm
Concentration per Run 3	3.4418 ppm	2.4757 ppm	0.0004 ppm	6.9485 ppm	0.0010 ppm	-0.0027 ppm	-0.0236 ppm
Concentration RSD	0.3 %	0.0 %	215.5 %	0.7 %	22.5 %	61.8 %	69.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0081 ppm	16.7278 ppm	0.0024 ppm	0.1730 ppm	-0.0008 ppm	-0.0004 ppm	-0.0010 ppm
Concentration per Run 1	-0.0032 ppm	16.7328 ppm	-0.0002 ppm	0.1734 ppm	-0.0003 ppm	0.0000 ppm	-0.0008 ppm
Concentration per Run 2	-0.0109 ppm	16.7096 ppm	0.0033 ppm	0.1714 ppm	-0.0005 ppm	-0.0021 ppm	-0.0003 ppm
Concentration per Run 3	-0.0103 ppm	16.7410 ppm	0.0040 ppm	0.1740 ppm	-0.0015 ppm	0.0008 ppm	-0.0017 ppm
Concentration RSD	52.6 %	0.1 %	95.2 %	0.8 %	85.1 %	376.8 %	72.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0018 ppm	100.1969 %	104.9949 %	100.7020 %	100.5378 %	103.7745 %	102.3328 %
Concentration per Run 1	0.0012 ppm	101.2460 %	105.3919 %	100.6822 %	100.8706 %	104.1511 %	102.3002 %
Concentration per Run 2	0.0022 ppm	99.6993 %	105.6979 %	100.7392 %	100.4711 %	103.7717 %	102.9799 %
Concentration per Run 3	0.0019 ppm	99.6454 %	103.9248 %	100.6845 %	100.2717 %	103.4007 %	101.7181 %
Concentration RSD	27.1 %	0.9 %	0.9 %	0.0 %	0.3 %	0.4 %	0.6 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

CCV

Sample: 9/12/2025 12:02:34 PM

Rack 0

Vial 3

Comment<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.5018 ppm	0.5219 ppm	0.5073 ppm	0.5146 ppm	0.5049 ppm	0.5155 ppm	0.5098 ppm
Concentration per Run 1	0.5006 ppm	0.5264 ppm	0.5045 ppm	0.5126 ppm	0.5156 ppm	0.5105 ppm	0.5105 ppm
Concentration per Run 2	0.5005 ppm	0.5188 ppm	0.5151 ppm	0.5124 ppm	0.5055 ppm	0.5155 ppm	0.5114 ppm
Concentration per Run 3	0.5042 ppm	0.5207 ppm	0.5022 ppm	0.5189 ppm	0.5030 ppm	0.5153 ppm	0.5075 ppm
Recovery Percentage 1	100.356 %	104.389 %	101.459 %	102.924 %	100.974 %	103.093 %	101.953 %
Concentration RSD	0.4 %	0.8 %	1.4 %	0.7 %	0.3 %	0.0 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5138 ppm	0.5189 ppm	0.5160 ppm	0.5102 ppm	0.5121 ppm	5.3077 ppm	0.5219 ppm
Concentration per Run 1	0.5123 ppm	0.5165 ppm	0.5134 ppm	0.5118 ppm	0.5163 ppm	5.3044 ppm	0.5225 ppm
Concentration per Run 2	0.5136 ppm	0.5168 ppm	0.5138 ppm	0.5108 ppm	0.5099 ppm	5.3247 ppm	0.5247 ppm
Concentration per Run 3	0.5153 ppm	0.5233 ppm	0.5209 ppm	0.5081 ppm	0.5101 ppm	5.2859 ppm	0.5186 ppm
Recovery Percentage 1	102.751 %	103.776 %	103.208 %	102.046 %	102.425 %	106.155 %	104.383 %
Concentration RSD	0.3 %	0.7 %	0.8 %	0.4 %	0.7 %	0.4 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4936 ppm	0.5130 ppm	0.5133 ppm	10.3988 ppm	0.5173 ppm	0.5212 ppm	0.5091 ppm
Concentration per Run 1	0.4884 ppm	0.5137 ppm	0.5094 ppm	10.3570 ppm	0.5155 ppm	0.5281 ppm	0.4981 ppm
Concentration per Run 2	0.4967 ppm	0.5130 ppm	0.5126 ppm	10.4108 ppm	0.5136 ppm	0.5179 ppm	0.5267 ppm
Concentration per Run 3	0.4959 ppm	0.5124 ppm	0.5179 ppm	10.4285 ppm	0.5226 ppm	0.5177 ppm	0.5027 ppm
Recovery Percentage 1	98.730 %	102.606 %	102.657 %	103.988 %	103.450 %	104.248 %	101.826 %
Concentration RSD	0.9 %	0.1 %	0.8 %	0.4 %	0.9 %	1.1 %	3.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5122 ppm	5.3733 ppm	0.5089 ppm	0.5081 ppm	0.5063 ppm	0.5161 ppm	0.5161 ppm
Concentration per Run 1	0.5169 ppm	5.3558 ppm	0.5020 ppm	0.5078 ppm	0.5163 ppm	0.5163 ppm	0.5160 ppm
Concentration per Run 2	0.5122 ppm	5.3695 ppm	0.5123 ppm	0.5088 ppm	0.5035 ppm	0.5134 ppm	0.5159 ppm
Concentration per Run 3	0.5077 ppm	5.3946 ppm	0.5123 ppm	0.5079 ppm	0.5108 ppm	0.5125 ppm	0.5164 ppm
Recovery Percentage 1	102.446 %	102.349 %	101.773 %	101.627 %	101.254 %	102.814 %	103.220 %
Concentration RSD	0.9 %	0.4 %	1.2 %	0.1 %	0.8 %	0.4 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5195 ppm	99.2468 %	101.4328 %	102.3584 %	99.3652 %	100.5875 %	101.9177 %
Concentration per Run 1	0.5163 ppm	99.7940 %	101.5505 %	101.3017 %	99.5594 %	100.6247 %	101.8003 %
Concentration per Run 2	0.5182 ppm	101.0023 %	101.0915 %	103.3080 %	100.4455 %	100.2762 %	102.4053 %
Concentration per Run 3	0.5240 ppm	97.9440 %	101.6565 %	102.4654 %	98.0908 %	100.8617 %	101.5474 %
Recovery Percentage 1	103.896 %	1.1 %	0.3 %	1.0 %	1.2 %	0.3 %	0.4 %
Concentration RSD	0.8 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCB
Analysis started at: 9/12/2025 12:05:55 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	0.0205 ppm		0.0034 ppm	0.0004 ppm	0.0001 ppm	-0.0009 ppm
Concentration per Run 1	0.0019 ppm	0.0171 ppm		0.0036 ppm	0.0003 ppm	0.0002 ppm	-0.0029 ppm
Concentration per Run 2	0.0016 ppm	0.0166 ppm		0.0037 ppm	0.0004 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run 3	0.0027 ppm	0.0279 ppm		0.0008 ppm	0.0005 ppm	0.0001 ppm	0.0010 ppm
Recovery Percentage 1	29.892 %	20.549 %	59.361 %	11.206 %	4.082 %	3.224 %	-0.885 %
Concentration RSD	27.4 %	31.0 %	65.4 %	53.8 %	22.8 %	29.4 %	217.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0008 ppm	0.0000 ppm	-0.0005 ppm	0.0028 ppm	0.0020 ppm	0.0011 ppm
Concentration per Run 1	-0.0001 ppm	0.0012 ppm	0.0012 ppm	0.0004 ppm	0.0030 ppm	0.0225 ppm	0.0017 ppm
Concentration per Run 2	-0.0002 ppm	-0.0022 ppm	-0.0013 ppm	0.0005 ppm	0.0021 ppm	-0.0032 ppm	0.0013 ppm
Concentration per Run 3	0.0001 ppm	-0.0010 ppm	0.0000 ppm	-0.0024 ppm	0.0033 ppm	-0.0132 ppm	0.0004 ppm
Recovery Percentage 1	-1.530 %	-3.999 %	-4.932 %	-0.308 %	5.575 %	0.081 %	22.131 %
Concentration RSD	173.0 %	192.0 %	3.979.6 %	340.5 %	22.4 %	905.9 %	60.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0080 ppm	-0.0003 ppm	0.0035 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0101 ppm
Concentration per Run 1	-0.0059 ppm	-0.0002 ppm	0.0034 ppm	0.0011 ppm	-0.0024 ppm	-0.0017 ppm	-0.0191 ppm
Concentration per Run 2	-0.0061 ppm	-0.0003 ppm	0.0050 ppm	0.0019 ppm	-0.0001 ppm	-0.0008 ppm	-0.0030 ppm
Concentration per Run 3	-0.0121 ppm	-0.0004 ppm	0.0019 ppm	-0.0033 ppm	0.0026 ppm	0.0022 ppm	-0.0083 ppm
Recovery Percentage 1	-8.039 %	-2.749 %	6.905 %	-0.006 %	0.064 %	-0.922 %	-20.213 %
Concentration RSD	44.0 %	39.0 %	45.6 %	2.231.3 %	15.696.0 %	2.186.5 %	81.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0004 ppm	-0.0021 ppm	0.0018 ppm	0.0001 ppm	-0.0020 ppm	-0.0004 ppm	-0.0018 ppm
Concentration per Run 1	-0.0016 ppm	0.0002 ppm	0.0029 ppm	0.0001 ppm	-0.0012 ppm	-0.0017 ppm	-0.0019 ppm
Concentration per Run 2	0.0005 ppm	-0.0041 ppm	0.0026 ppm	0.0001 ppm	-0.0014 ppm	0.0014 ppm	-0.0013 ppm
Concentration per Run 3	0.0024 ppm	-0.0025 ppm	-0.0003 ppm	0.0001 ppm	-0.0033 ppm	-0.0010 ppm	-0.0022 ppm
Recovery Percentage 1	4.126 %	-0.428 %	3.508 %	0.938 %	-19.540 %	-2.101 %	-17.736 %
Concentration RSD	490.3 %	99.8 %	101.3 %	50.7 %	60.2 %	378.0 %	25.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0006 ppm	97.6077 %	99.8819 %	101.3398 %	99.3849 %	99.6951 %	101.8548 %
Concentration per Run 1	-0.0005 ppm	97.6043 %	100.3325 %	101.6198 %	99.7249 %	100.0429 %	102.0266 %
Concentration per Run 2	-0.0007 ppm	97.7849 %	100.3120 %	100.2427 %	99.0084 %	99.8444 %	101.2335 %
Concentration per Run 3	-0.0006 ppm	97.4341 %	99.0012 %	102.1569 %	99.4215 %	99.1980 %	102.3042 %
Recovery Percentage 1	-12.207 %	0.2 %	0.8 %	1.0 %	0.4 %	0.4 %	0.5 %
Concentration RSD	23.9 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2113865-1 WG2113865

Analysis started at: 9/12/2025 12:21:00 PM

Rack 1

Vial 38

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0027 ppm	0.0152 ppm	0.0006 ppm	0.0053 ppm	0.0004 ppm	0.0000 ppm	0.0130 ppm
Concentration per Run 1	0.0026 ppm	0.0119 ppm	0.0005 ppm	0.0049 ppm	0.0006 ppm	0.0000 ppm	0.0104 ppm
Concentration per Run 2	0.0028 ppm	0.0207 ppm	0.0016 ppm	0.0077 ppm	0.0003 ppm	0.0000 ppm	0.0135 ppm
Concentration per Run 3	0.0026 ppm	0.0130 ppm	-0.0002 ppm	0.0032 ppm	0.0003 ppm	0.0000 ppm	0.0150 ppm
Recovery Percentage 1	38.151 %	15.221 %	12.555 %	17.506 %	4.224 %	0.495 %	13.005 %
Concentration RSD	5.3 %	31.6 %	144.1 %	43.5 %	37.0 %	101.2 %	18.1 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0009 ppm	0.0001 ppm	0.0003 ppm	0.0123 ppm	0.0424 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0012 ppm	0.0008 ppm	0.0007 ppm	0.0114 ppm	0.0536 ppm	0.0008 ppm
Concentration per Run 2	-0.0003 ppm	-0.0004 ppm	0.0004 ppm	-0.0001 ppm	0.0136 ppm	0.0303 ppm	-0.0010 ppm
Concentration per Run 3	0.0001 ppm	-0.0012 ppm	-0.0009 ppm	0.0003 ppm	0.0120 ppm	0.0433 ppm	-0.0002 ppm
Recovery Percentage 1	-0.504 %	-4.650 %	0.934 %	2.887 %	24.668 %	1.696 %	-2.610 %
Concentration RSD	834.6 %	52.2 %	988.8 %	152.7 %	9.3 %	27.7 %	698.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0013 ppm	0.0002 ppm	0.0005 ppm	136.5057 ppm	-0.0024 ppm	0.0012 ppm	-0.0125 ppm
Concentration per Run 1	-0.0048 ppm	0.0002 ppm	0.0010 ppm	137.2295 ppm	-0.0010 ppm	0.0029 ppm	-0.0172 ppm
Concentration per Run 2	0.0012 ppm	0.0002 ppm	0.0007 ppm	136.0867 ppm	-0.0023 ppm	0.0008 ppm	-0.0070 ppm
Concentration per Run 3	-0.0004 ppm	0.0002 ppm	-0.0002 ppm	136.2009 ppm	-0.0038 ppm	0.0000 ppm	-0.0132 ppm
Recovery Percentage 1	-1.311 %	2.078 %	0.987 %	6.825.286 %	-9.480 %	12.379 %	-24.946 %
Concentration RSD	235.2 %	14.1 %	120.7 %	0.5 %	58.4 %	120.8 %	41.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0025 ppm	0.0328 ppm	0.0041 ppm	0.0000 ppm	-0.0021 ppm	-0.0021 ppm	-0.0016 ppm
Concentration per Run 1	-0.0038 ppm	0.0433 ppm	0.0044 ppm	-0.0001 ppm	-0.0018 ppm	-0.0020 ppm	-0.0022 ppm
Concentration per Run 2	-0.0070 ppm	0.0270 ppm	0.0038 ppm	0.0000 ppm	-0.0027 ppm	-0.0012 ppm	-0.0012 ppm
Concentration per Run 3	0.0032 ppm	0.0280 ppm	0.0041 ppm	0.0000 ppm	-0.0019 ppm	-0.0031 ppm	-0.0014 ppm
Recovery Percentage 1	-25.471 %	6.558 %	8.218 %	-0.185 %	-21.124 %	-10.346 %	-16.141 %
Concentration RSD	204.4 %	27.9 %	7.0 %	455.0 %	22.9 %	45.9 %	32.9 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0041 ppm	100.8099 %	98.8762 %	103.7627 %	100.8499 %	97.8592 %	102.8054 %
Concentration per Run 1	-0.0042 ppm	101.7643 %	98.3472 %	103.1628 %	101.5364 %	97.7113 %	102.9445 %
Concentration per Run 2	-0.0040 ppm	100.1774 %	99.4752 %	104.0474 %	100.7578 %	98.5538 %	102.0047 %
Concentration per Run 3	-0.0043 ppm	100.4880 %	98.8061 %	104.0778 %	100.2556 %	97.3125 %	103.4668 %
Recovery Percentage 1	-82.884 %	0.8 %	0.6 %	0.5 %	0.6 %	0.6 %	0.7 %
Concentration RSD	3.5 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2113865-2 WG2113865

Analysis started at: 9/12/2025 12:24:19 PM

Rack 1

Vial 39

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0468 ppm	1.9176 ppm	0.1108 ppm	0.9113 ppm	1.8426 ppm	0.0468 ppm	9.3828 ppm
Concentration per Run 1	0.0478 ppm	1.9225 ppm	0.1118 ppm	0.9026 ppm	1.8426 ppm	0.0467 ppm	9.3859 ppm
Concentration per Run 2	0.0467 ppm	1.9293 ppm	0.1127 ppm	0.9133 ppm	1.8586 ppm	0.0470 ppm	9.4517 ppm
Concentration per Run 3	0.0461 ppm	1.9009 ppm	0.1079 ppm	0.9182 ppm	1.8267 ppm	0.0466 ppm	9.3109 ppm
Concentration RSD	1.8 %	0.8 %	2.3 %	0.9 %	0.9 %	0.5 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0489 ppm	0.4545 ppm	0.1836 ppm	0.2288 ppm	0.9345 ppm	9.4579 ppm	0.0005 ppm
Concentration per Run 1	0.0487 ppm	0.4547 ppm	0.1817 ppm	0.2296 ppm	0.9335 ppm	9.4987 ppm	-0.0002 ppm
Concentration per Run 2	0.0490 ppm	0.4553 ppm	0.1845 ppm	0.2287 ppm	0.9329 ppm	9.5135 ppm	0.0018 ppm
Concentration per Run 3	0.0491 ppm	0.4533 ppm	0.1847 ppm	0.2279 ppm	0.9372 ppm	9.3617 ppm	-0.0002 ppm
Concentration RSD	0.4 %	0.2 %	0.9 %	0.4 %	0.2 %	0.9 %	246.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	8.9889 ppm	0.4623 ppm	0.9183 ppm	9.4037 ppm	0.4571 ppm	0.4910 ppm	0.4498 ppm
Concentration per Run 1	8.9621 ppm	0.4623 ppm	0.9136 ppm	9.3831 ppm	0.4572 ppm	0.4955 ppm	0.4521 ppm
Concentration per Run 2	9.0175 ppm	0.4636 ppm	0.9218 ppm	9.5127 ppm	0.4537 ppm	0.4872 ppm	0.4450 ppm
Concentration per Run 3	8.9873 ppm	0.4611 ppm	0.9195 ppm	9.3333 ppm	0.4605 ppm	0.4903 ppm	0.4524 ppm
Concentration RSD	0.3 %	0.3 %	0.5 %	1.0 %	0.7 %	0.9 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1069 ppm	0.6921 ppm	0.8853 ppm	0.9034 ppm	0.9057 ppm	0.1085 ppm	0.4686 ppm
Concentration per Run 1	0.1056 ppm	0.6946 ppm	0.8750 ppm	0.9024 ppm	0.9037 ppm	0.1124 ppm	0.4682 ppm
Concentration per Run 2	0.1063 ppm	0.6840 ppm	0.8911 ppm	0.9117 ppm	0.9056 ppm	0.1050 ppm	0.4684 ppm
Concentration per Run 3	0.1088 ppm	0.6978 ppm	0.8897 ppm	0.8960 ppm	0.9077 ppm	0.1082 ppm	0.4691 ppm
Concentration RSD	1.6 %	1.0 %	1.0 %	0.9 %	0.2 %	3.5 %	0.1 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4629 ppm	98.8263 %	100.3345 %	101.1540 %	99.0095 %	100.9196 %
Concentration per Run 1	0.4587 ppm	98.9348 %	100.2559 %	100.3093 %	98.9077 %	100.0178 %
Concentration per Run 2	0.4646 ppm	98.2562 %	100.0499 %	101.6998 %	98.1949 %	101.7169 %
Concentration per Run 3	0.4654 ppm	99.2878 %	100.6976 %	101.4530 %	99.9259 %	101.0240 %
Concentration RSD	0.8 %	0.5 %	0.3 %	0.7 %	0.9 %	0.8 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2556665-01 WG2113865

Analysis started at: 9/12/2025 12:27:32 PM

Rack 1

Vial 40

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0025 ppm	0.0396 ppm	0.0018 ppm	0.0161 ppm	0.0289 ppm	0.0001 ppm	14.7723 ppm
Concentration per Run 1	0.0023 ppm	0.0383 ppm	0.0020 ppm	0.0146 ppm	0.0287 ppm	0.0001 ppm	14.8249 ppm
Concentration per Run 2	0.0029 ppm	0.0401 ppm	-0.0019 ppm	0.0164 ppm	0.0289 ppm	0.0002 ppm	14.7117 ppm
Concentration per Run 3	0.0023 ppm	0.0405 ppm	0.0052 ppm	0.0171 ppm	0.0291 ppm	0.0000 ppm	14.7804 ppm
Concentration RSD	13.8 %	2.8 %	203.4 %	8.2 %	0.7 %	125.6 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0185 ppm	0.0169 ppm	1.2637 ppm	0.0044 ppm
Concentration per Run 1	0.0002 ppm	-0.0001 ppm	-0.0001 ppm	0.0169 ppm	0.0185 ppm	1.2617 ppm	0.0060 ppm
Concentration per Run 2	0.0003 ppm	0.0005 ppm	0.0010 ppm	0.0192 ppm	0.0161 ppm	1.2616 ppm	0.0030 ppm
Concentration per Run 3	0.0001 ppm	0.0014 ppm	-0.0002 ppm	0.0195 ppm	0.0163 ppm	1.2678 ppm	0.0043 ppm
Concentration RSD	48.4 %	447.6 %	262.7 %	7.4 %	7.9 %	0.3 %	32.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.0581 ppm	0.0345 ppm	0.0037 ppm	132.7562 ppm	0.0042 ppm	0.0546 ppm	-0.0102 ppm
Concentration per Run 1	2.0590 ppm	0.0345 ppm	0.0038 ppm	133.2301 ppm	0.0046 ppm	0.0537 ppm	-0.0103 ppm
Concentration per Run 2	2.0572 ppm	0.0347 ppm	0.0030 ppm	132.0113 ppm	0.0042 ppm	0.0573 ppm	-0.0075 ppm
Concentration per Run 3	2.0581 ppm	0.0343 ppm	0.0045 ppm	133.0271 ppm	0.0039 ppm	0.0527 ppm	-0.0128 ppm
Concentration RSD	0.0 %	0.6 %	20.1 %	0.5 %	7.4 %	4.5 %	25.6 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0025 ppm	0.4551 ppm	0.0014 ppm	0.1099 ppm	-0.0013 ppm	-0.0021 ppm	-0.0010 ppm
Concentration per Run 1	-0.0029 ppm	0.4532 ppm	0.0000 ppm	0.1096 ppm	-0.0016 ppm	-0.0066 ppm	-0.0008 ppm
Concentration per Run 2	0.0006 ppm	0.4526 ppm	0.0016 ppm	0.1098 ppm	-0.0015 ppm	-0.0017 ppm	-0.0012 ppm
Concentration per Run 3	-0.0052 ppm	0.4593 ppm	0.0028 ppm	0.1102 ppm	-0.0009 ppm	0.0021 ppm	-0.0009 ppm
Concentration RSD	116.4 %	0.8 %	96.8 %	0.3 %	30.1 %	210.3 %	21.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0723 ppm	100.7163 %	100.5604 %	103.9178 %	100.6164 %	98.7439 %	103.1952 %
Concentration per Run 1	0.0723 ppm	100.6903 %	100.4705 %	103.7085 %	100.4017 %	98.8131 %	102.4186 %
Concentration per Run 2	0.0726 ppm	100.5383 %	99.2451 %	103.7495 %	100.3780 %	97.1727 %	103.6486 %
Concentration per Run 3	0.0720 ppm	100.9202 %	101.9655 %	104.2952 %	101.0696 %	100.2459 %	103.5183 %
Concentration RSD	0.4 %	0.2 %	1.4 %	0.3 %	0.4 %	1.6 %	0.7 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2113865-3 WG2113865

Analysis started at: 9/12/2025 12:30:45 PM

Rack 1

Vial 41

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0487 ppm	1.9635 ppm	0.1118 ppm	0.9237 ppm	1.8821 ppm	0.0478 ppm	23.8020 ppm
Concentration per Run 1	0.0488 ppm	1.9542 ppm	0.1100 ppm	0.9194 ppm	1.8715 ppm	0.0477 ppm	23.8480 ppm
Concentration per Run 2	0.0474 ppm	1.9635 ppm	0.1127 ppm	0.9214 ppm	1.8907 ppm	0.0478 ppm	23.8472 ppm
Concentration per Run 3	0.0498 ppm	1.9728 ppm	0.1129 ppm	0.9304 ppm	1.8842 ppm	0.0479 ppm	23.7108 ppm
Concentration RSD	2.4 %	0.5 %	1.4 %	0.6 %	0.5 %	0.2 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0493 ppm	0.4611 ppm	0.1849 ppm	0.2600 ppm	0.9432 ppm	10.7511 ppm	0.0041 ppm
Concentration per Run 1	0.0497 ppm	0.4605 ppm	0.1847 ppm	0.2588 ppm	0.9416 ppm	10.7127 ppm	0.0047 ppm
Concentration per Run 2	0.0490 ppm	0.4594 ppm	0.1850 ppm	0.2609 ppm	0.9424 ppm	10.7582 ppm	0.0039 ppm
Concentration per Run 3	0.0492 ppm	0.4635 ppm	0.1849 ppm	0.2604 ppm	0.9455 ppm	10.7824 ppm	0.0037 ppm
Concentration RSD	0.8 %	0.5 %	0.1 %	0.4 %	0.2 %	0.3 %	12.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	11.0014 ppm	0.4966 ppm	0.9315 ppm	138.8837 ppm	0.4663 ppm	0.5496 ppm	0.4699 ppm
Concentration per Run 1	10.9454 ppm	0.4955 ppm	0.9285 ppm	138.6652 ppm	0.4636 ppm	0.5510 ppm	0.4749 ppm
Concentration per Run 2	11.0022 ppm	0.4882 ppm	0.9325 ppm	138.8252 ppm	0.4676 ppm	0.5491 ppm	0.4620 ppm
Concentration per Run 3	11.0564 ppm	0.4960 ppm	0.9334 ppm	139.1606 ppm	0.4677 ppm	0.5486 ppm	0.4727 ppm
Concentration RSD	0.5 %	0.3 %	0.3 %	0.2 %	0.5 %	0.2 %	1.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1087 ppm	1.1467 ppm	0.8928 ppm	1.0095 ppm	0.9173 ppm	0.1066 ppm	0.4784 ppm
Concentration per Run 1	0.1075 ppm	1.1431 ppm	0.8911 ppm	1.0046 ppm	0.9153 ppm	0.1082 ppm	0.4760 ppm
Concentration per Run 2	0.1097 ppm	1.1435 ppm	0.8963 ppm	1.0134 ppm	0.9143 ppm	0.1066 ppm	0.4779 ppm
Concentration per Run 3	0.1090 ppm	1.1535 ppm	0.8910 ppm	1.0106 ppm	0.9223 ppm	0.1049 ppm	0.4817 ppm
Concentration RSD	1.0 %	0.5 %	0.3 %	0.4 %	0.5 %	1.5 %	0.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5332 ppm	101.2166 %	100.2738 %	102.8165 %	100.9405 %	98.3915 %	101.9907 %
Concentration per Run 1	0.5300 ppm	102.2727 %	101.0210 %	103.5188 %	101.5677 %	98.5878 %	102.6653 %
Concentration per Run 2	0.5340 ppm	100.6895 %	99.3260 %	102.3825 %	100.4678 %	98.0227 %	101.0348 %
Concentration per Run 3	0.5355 ppm	100.6876 %	100.4744 %	102.5483 %	100.7859 %	98.5640 %	102.2721 %
Concentration RSD	0.5 %	0.9 %	0.9 %	0.6 %	0.6 %	0.3 %	0.8 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2113865-4 WG2113865

Analysis started at: 9/12/2025 12:33:58 PM

Rack 1

Vial 42

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0025 ppm	0.0380 ppm	0.0024 ppm	0.0158 ppm	0.0290 ppm	0.0000 ppm	14.8120 ppm
Concentration per Run 1	0.0028 ppm	0.0354 ppm	0.0030 ppm	0.0141 ppm	0.0292 ppm	0.0000 ppm	14.8940 ppm
Concentration per Run 2	0.0030 ppm	0.0433 ppm	0.0015 ppm	0.0163 ppm	0.0289 ppm	0.0000 ppm	14.7379 ppm
Concentration per Run 3	0.0018 ppm	0.0354 ppm	0.0025 ppm	0.0171 ppm	0.0288 ppm	0.0000 ppm	14.8042 ppm
Concentration RSD	25.9 %	12.0 %	31.7 %	9.8 %	0.6 %	59.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0002 ppm	-0.0007 ppm	-0.0004 ppm	0.0188 ppm	0.0102 ppm	1.2990 ppm	0.0044 ppm
Concentration per Run 1	0.0004 ppm	-0.0001 ppm	0.0004 ppm	0.0189 ppm	0.0106 ppm	1.3253 ppm	0.0038 ppm
Concentration per Run 2	0.0001 ppm	-0.0008 ppm	-0.0007 ppm	0.0182 ppm	0.0098 ppm	1.2965 ppm	0.0053 ppm
Concentration per Run 3	0.0002 ppm	-0.0011 ppm	-0.0008 ppm	0.0193 ppm	0.0102 ppm	1.2753 ppm	0.0042 ppm
Concentration RSD	78.1 %	73.7 %	181.4 %	3.0 %	3.6 %	1.9 %	17.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.0569 ppm	0.0344 ppm	0.0037 ppm	132.9289 ppm	0.0038 ppm	0.0582 ppm	-0.0093 ppm
Concentration per Run 1	2.0809 ppm	0.0345 ppm	0.0030 ppm	133.1386 ppm	0.0034 ppm	0.0615 ppm	0.0019 ppm
Concentration per Run 2	2.0513 ppm	0.0345 ppm	0.0053 ppm	132.2932 ppm	0.0061 ppm	0.0550 ppm	-0.0126 ppm
Concentration per Run 3	2.0386 ppm	0.0342 ppm	0.0030 ppm	133.3548 ppm	0.0020 ppm	0.0582 ppm	-0.0173 ppm
Concentration RSD	1.1 %	0.6 %	35.6 %	0.4 %	53.8 %	5.6 %	107.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0023 ppm	0.4543 ppm	0.0019 ppm	0.1108 ppm	-0.0017 ppm	-0.0065 ppm	-0.0014 ppm
Concentration per Run 1	-0.0033 ppm	0.4606 ppm	0.0044 ppm	0.1110 ppm	-0.0018 ppm	-0.0118 ppm	-0.0015 ppm
Concentration per Run 2	-0.0013 ppm	0.4541 ppm	0.0021 ppm	0.1105 ppm	-0.0012 ppm	-0.0020 ppm	-0.0020 ppm
Concentration per Run 3	-0.0021 ppm	0.4482 ppm	-0.0007 ppm	0.1108 ppm	-0.0020 ppm	-0.0058 ppm	-0.0007 ppm
Concentration RSD	44.5 %	1.4 %	131.0 %	0.2 %	23.6 %	76.2 %	47.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0707 ppm	99.5575 %	99.5556 %	103.3969 %	99.9499 %	98.3157 %	103.1712 %
Concentration per Run 1	0.0717 ppm	98.4412 %	99.5800 %	103.8258 %	99.5198 %	97.9616 %	103.4666 %
Concentration per Run 2	0.0706 ppm	100.5581 %	100.0470 %	100.5617 %	100.9241 %	98.4198 %	103.5168 %
Concentration per Run 3	0.0697 ppm	99.6733 %	99.9399 %	102.8032 %	99.4057 %	98.5659 %	102.5302 %
Concentration RSD	1.4 %	1.1 %	0.2 %	0.5 %	0.8 %	0.3 %	0.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2557001-01 WG2113865

Analysis started at: 9/12/2025 12:43:51 PM

Rack 1

Vial 43

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	0.0738 ppm	0.0188 ppm	0.0131 ppm	0.0008 ppm	0.0001 ppm	11.0665 ppm
Concentration per Run 1	0.0019 ppm	0.0831 ppm	0.0169 ppm	0.0135 ppm	0.0010 ppm	0.0001 ppm	11.0579 ppm
Concentration per Run 2	0.0023 ppm	0.0700 ppm	0.0207 ppm	0.0133 ppm	0.0007 ppm	0.0000 ppm	11.0969 ppm
Concentration per Run 3	0.0017 ppm	0.0682 ppm	0.0188 ppm	0.0125 ppm	0.0008 ppm	0.0001 ppm	11.0446 ppm
Concentration RSD	14.6 %	11.1 %	10.1 %	4.1 %	20.7 %	37.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0039 ppm	0.0048 ppm	0.0012 ppm	0.6237 ppm	0.0159 ppm	0.5168 ppm	0.0067 ppm
Concentration per Run 1	0.0040 ppm	0.0065 ppm	0.0003 ppm	0.6225 ppm	0.0150 ppm	0.5401 ppm	0.0079 ppm
Concentration per Run 2	0.0039 ppm	0.0033 ppm	0.0001 ppm	0.6242 ppm	0.0176 ppm	0.5007 ppm	0.0068 ppm
Concentration per Run 3	0.0039 ppm	0.0047 ppm	0.0031 ppm	0.6245 ppm	0.0150 ppm	0.5095 ppm	0.0055 ppm
Concentration RSD	1.6 %	32.7 %	142.1 %	0.2 %	9.3 %	4.0 %	17.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.9315 ppm	0.2520 ppm	0.0018 ppm	130.8164 ppm	0.0225 ppm	-0.0010 ppm	-0.0114 ppm
Concentration per Run 1	3.9535 ppm	0.2516 ppm	0.0026 ppm	129.7322 ppm	0.0216 ppm	0.0000 ppm	-0.0108 ppm
Concentration per Run 2	3.9505 ppm	0.2517 ppm	0.0004 ppm	131.5372 ppm	0.0237 ppm	0.0007 ppm	-0.0095 ppm
Concentration per Run 3	3.8904 ppm	0.2527 ppm	0.0025 ppm	131.1799 ppm	0.0223 ppm	-0.0036 ppm	-0.0140 ppm
Concentration RSD	0.9 %	0.2 %	68.5 %	0.7 %	4.9 %	237.9 %	20.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0014 ppm	1.7150 ppm	0.0000 ppm	0.0078 ppm	-0.0017 ppm	-0.0071 ppm	0.0012 ppm
Concentration per Run 1	-0.0021 ppm	1.7290 ppm	-0.0013 ppm	0.0077 ppm	-0.0026 ppm	-0.0039 ppm	0.0012 ppm
Concentration per Run 2	-0.0028 ppm	1.7160 ppm	0.0007 ppm	0.0078 ppm	-0.0006 ppm	-0.0035 ppm	0.0015 ppm
Concentration per Run 3	0.0007 ppm	1.7001 ppm	0.0006 ppm	0.0078 ppm	-0.0021 ppm	-0.0139 ppm	0.0008 ppm
Concentration RSD	134.5 %	0.8 %	18.711.7 %	0.9 %	60.0 %	82.5 %	27.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.8833 ppm	96.8231 %	98.8472 %	100.8999 %	96.5511 %	99.7713 %
Concentration per Run 1	2.8936 ppm	95.8477 %	99.5112 %	100.9229 %	95.7175 %	99.6041 %
Concentration per Run 2	2.9034 ppm	96.2109 %	98.2430 %	100.9788 %	96.1284 %	99.3554 %
Concentration per Run 3	2.8530 ppm	98.4108 %	98.7874 %	100.7980 %	97.8075 %	100.3542 %
Concentration RSD	0.9 %	1.4 %	0.6 %	0.1 %	1.1 %	0.7 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2557001-02 WG2113865

Analysis started at: 9/12/2025 12:47:16 PM

Rack 1

Vial 44

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0022 ppm	0.0677 ppm	0.0127 ppm	0.0100 ppm	0.0012 ppm	0.0000 ppm	9.4670 ppm
Concentration per Run 1	0.0015 ppm	0.0693 ppm	0.0128 ppm	0.0108 ppm	0.0011 ppm	0.0000 ppm	9.4716 ppm
Concentration per Run 2	0.0023 ppm	0.0636 ppm	0.0128 ppm	0.0100 ppm	0.0013 ppm	0.0001 ppm	9.5102 ppm
Concentration per Run 3	0.0028 ppm	0.0701 ppm	0.0126 ppm	0.0092 ppm	0.0012 ppm	0.0000 ppm	9.4191 ppm
Concentration RSD	30.7 %	5.2 %	1.1 %	8.2 %	7.2 %	167.9 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0030 ppm	0.0043 ppm	0.0017 ppm	0.7974 ppm	0.0144 ppm	0.3970 ppm	0.0035 ppm
Concentration per Run 1	0.0031 ppm	0.0041 ppm	0.0021 ppm	0.8199 ppm	0.0152 ppm	0.4081 ppm	0.0032 ppm
Concentration per Run 2	0.0032 ppm	0.0053 ppm	0.0018 ppm	0.8218 ppm	0.0140 ppm	0.3878 ppm	0.0040 ppm
Concentration per Run 3	0.0028 ppm	0.0035 ppm	0.0010 ppm	0.7506 ppm	0.0140 ppm	0.3953 ppm	0.0041 ppm
Concentration RSD	6.2 %	21.2 %	32.6 %	5.1 %	4.6 %	2.6 %	12.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.0819 ppm	0.1928 ppm	0.0004 ppm	130.8542 ppm	0.0151 ppm	0.0013 ppm	-0.0119 ppm
Concentration per Run 1	2.1547 ppm	0.1935 ppm	0.0002 ppm	130.9427 ppm	0.0163 ppm	-0.0027 ppm	-0.0118 ppm
Concentration per Run 2	2.1364 ppm	0.1931 ppm	0.0018 ppm	131.4428 ppm	0.0170 ppm	0.0031 ppm	-0.0100 ppm
Concentration per Run 3	1.9545 ppm	0.1917 ppm	-0.0006 ppm	130.1772 ppm	0.0120 ppm	0.0035 ppm	-0.0139 ppm
Concentration RSD	5.3 %	0.5 %	278.4 %	0.5 %	18.0 %	263.5 %	16.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0006 ppm	1.6138 ppm	0.0008 ppm	0.0109 ppm	-0.0024 ppm	-0.0056 ppm	0.0014 ppm
Concentration per Run 1	-0.0018 ppm	1.6682 ppm	-0.0007 ppm	0.0109 ppm	-0.0023 ppm	-0.0027 ppm	0.0006 ppm
Concentration per Run 2	-0.0045 ppm	1.6586 ppm	0.0022 ppm	0.0109 ppm	-0.0027 ppm	-0.0053 ppm	0.0023 ppm
Concentration per Run 3	0.0044 ppm	1.5144 ppm	0.0009 ppm	0.0108 ppm	-0.0023 ppm	-0.0088 ppm	0.0012 ppm
Concentration RSD	711.8 %	5.3 %	177.9 %	0.5 %	8.8 %	54.3 %	65.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.0667 ppm	101.1899 %	99.7902 %	99.6806 %	99.1330 %	98.3913 %	99.3334 %
Concentration per Run 1	2.1286 ppm	98.2218 %	99.9348 %	94.2225 %	98.4167 %	98.2874 %	94.6678 %
Concentration per Run 2	2.1319 ppm	97.4913 %	99.1079 %	101.9542 %	97.3288 %	98.0412 %	101.1864 %
Concentration per Run 3	1.9396 ppm	107.8565 %	100.3279 %	102.8650 %	101.6534 %	98.8453 %	102.1459 %
Concentration RSD	5.3 %	5.7 %	0.6 %	4.8 %	2.3 %	0.4 %	4.1 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2557001-03 WG2113865

Analysis started at: 9/12/2025 12:50:30 PM

Rack 1

Vial 45

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0023 ppm	0.0700 ppm	0.0181 ppm	0.0105 ppm	0.0009 ppm	0.0001 ppm	10.7875 ppm
Concentration per Run 1	0.0029 ppm	0.0635 ppm	0.0178 ppm	0.0114 ppm	0.0009 ppm	0.0001 ppm	10.7682 ppm
Concentration per Run 2	0.0022 ppm	0.0784 ppm	0.0183 ppm	0.0095 ppm	0.0009 ppm	0.0001 ppm	10.7970 ppm
Concentration per Run 3	0.0017 ppm	0.0681 ppm	0.0182 ppm	0.0105 ppm	0.0008 ppm	0.0000 ppm	10.7974 ppm
Concentration RSD	27.8 %	10.9 %	1.6 %	8.7 %	3.0 %	80.4 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0038 ppm	0.0045 ppm	0.0021 ppm	0.7159 ppm	0.0181 ppm	0.4826 ppm	0.0048 ppm
Concentration per Run 1	0.0038 ppm	0.0046 ppm	0.0026 ppm	0.7168 ppm	0.0183 ppm	0.4936 ppm	0.0041 ppm
Concentration per Run 2	0.0038 ppm	0.0036 ppm	0.0014 ppm	0.7163 ppm	0.0183 ppm	0.4809 ppm	0.0056 ppm
Concentration per Run 3	0.0037 ppm	0.0053 ppm	0.0024 ppm	0.7146 ppm	0.0177 ppm	0.4732 ppm	0.0048 ppm
Concentration RSD	1.5 %	18.9 %	29.8 %	0.2 %	1.8 %	2.1 %	15.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.2579 ppm	0.2268 ppm	0.0018 ppm	129.8175 ppm	0.0203 ppm	0.0001 ppm	-0.0093 ppm
Concentration per Run 1	3.2594 ppm	0.2274 ppm	0.0014 ppm	129.8461 ppm	0.0217 ppm	-0.0001 ppm	-0.0085 ppm
Concentration per Run 2	3.2630 ppm	0.2278 ppm	0.0015 ppm	129.7656 ppm	0.0210 ppm	0.0018 ppm	-0.0117 ppm
Concentration per Run 3	3.2514 ppm	0.2253 ppm	0.0025 ppm	129.8408 ppm	0.0182 ppm	-0.0013 ppm	-0.0078 ppm
Concentration RSD	0.2 %	0.6 %	34.6 %	0.0 %	9.0 %	1.3616 %	22.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0023 ppm	1.5730 ppm	0.0010 ppm	0.0093 ppm	-0.0023 ppm	-0.0062 ppm	0.0024 ppm
Concentration per Run 1	-0.0020 ppm	1.5696 ppm	0.0004 ppm	0.0093 ppm	-0.0017 ppm	-0.0090 ppm	0.0024 ppm
Concentration per Run 2	-0.0041 ppm	1.5709 ppm	0.0007 ppm	0.0093 ppm	-0.0030 ppm	-0.0008 ppm	0.0026 ppm
Concentration per Run 3	-0.0007 ppm	1.5784 ppm	0.0019 ppm	0.0093 ppm	-0.0022 ppm	-0.0087 ppm	0.0021 ppm
Concentration RSD	75.3 %	0.3 %	77.4 %	0.3 %	29.1 %	75.0 %	9.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.9578 ppm	99.9526 %	100.0921 %	102.6333 %	99.6456 %	98.1423 %	101.8783 %
Concentration per Run 1	1.9549 ppm	99.9470 %	100.6648 %	104.1770 %	99.2842 %	98.5727 %	103.2354 %
Concentration per Run 2	1.9735 ppm	99.4901 %	99.4500 %	102.2924 %	99.5827 %	97.5577 %	101.6163 %
Concentration per Run 3	1.9451 ppm	100.4207 %	100.1613 %	101.4304 %	100.0699 %	98.2965 %	100.7832 %
Concentration RSD	0.7 %	0.5 %	0.6 %	1.4 %	0.4 %	0.5 %	1.2 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2557001-04 WG2113865

Analysis started at: 9/12/2025 12:53:45 PM

Rack 1

Vial 46

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0016 ppm	0.0531 ppm	0.0139 ppm	0.0155 ppm	0.0008 ppm	0.0000 ppm	14.9142 ppm
Concentration per Run 1	0.0009 ppm	0.0541 ppm	0.0108 ppm	0.0149 ppm	0.0009 ppm	0.0000 ppm	14.9103 ppm
Concentration per Run 2	0.0020 ppm	0.0558 ppm	0.0148 ppm	0.0177 ppm	0.0009 ppm	0.0001 ppm	14.9968 ppm
Concentration per Run 3	0.0018 ppm	0.0493 ppm	0.0160 ppm	0.0141 ppm	0.0007 ppm	0.0000 ppm	14.8356 ppm
Concentration RSD	36.5 %	6.3 %	19.5 %	12.1 %	12.4 %	385.2 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0036 ppm	0.0036 ppm	0.0036 ppm	1.6244 [SIC 60]	0.0371 ppm	0.5120 ppm	0.0038 ppm
Concentration per Run 1	0.0036 ppm	0.0036 ppm	0.0036 ppm	1.6239 ppm	0.0368 ppm	0.5194 ppm	0.0044 ppm
Concentration per Run 2	0.0035 ppm	0.0040 ppm	0.0038 ppm	1.6290 ppm	0.0374 ppm	0.4926 ppm	0.0030 ppm
Concentration per Run 3	0.0037 ppm	0.0031 ppm	0.0032 ppm	1.6204 ppm	0.0371 ppm	0.5240 ppm	0.0040 ppm
Concentration RSD	2.6 %	12.1 %	7.8 %	0.3 %	0.8 %	3.3 %	18.7 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.2342 ppm	0.1882 ppm	0.0007 ppm	128.6371 ppm	0.0210 ppm	0.0000 ppm	-0.0073 ppm
Concentration per Run 1	3.2425 ppm	0.1881 ppm	0.0008 ppm	128.0406 ppm	0.0193 ppm	0.0048 ppm	-0.0061 ppm
Concentration per Run 2	3.2457 ppm	0.1890 ppm	0.0025 ppm	129.5046 ppm	0.0216 ppm	-0.0030 ppm	-0.0046 ppm
Concentration per Run 3	3.2144 ppm	0.1875 ppm	-0.0011 ppm	128.3662 ppm	0.0221 ppm	-0.0017 ppm	-0.0112 ppm
Concentration RSD	0.5 %	0.4 %	242.3 %	0.6 %	7.0 %	16.371 %	47.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0014 ppm	1.8117 ppm	0.0001 ppm	0.0092 ppm	-0.0017 ppm	-0.0064 ppm	0.0012 ppm
Concentration per Run 1	-0.0009 ppm	1.8128 ppm	0.0010 ppm	0.0092 ppm	-0.0023 ppm	-0.0059 ppm	0.0015 ppm
Concentration per Run 2	-0.0018 ppm	1.8166 ppm	0.0008 ppm	0.0093 ppm	-0.0014 ppm	-0.0076 ppm	0.0008 ppm
Concentration per Run 3	-0.0015 ppm	1.8056 ppm	-0.0013 ppm	0.0091 ppm	-0.0015 ppm	-0.0057 ppm	0.0013 ppm
Concentration RSD	32.1 %	0.3 %	864.1 %	0.7 %	29.8 %	16.4 %	33.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	4.4385 ppm	99.1035 %	100.1322 %	103.3216 %	99.0485 %	98.5999 %	102.3530 %
Concentration per Run 1	4.4488 ppm	98.6938 %	100.0720 %	103.3568 %	98.9613 %	98.4073 %	101.9706 %
Concentration per Run 2	4.4447 ppm	99.2452 %	99.2649 %	103.0446 %	99.3775 %	97.9790 %	102.3163 %
Concentration per Run 3	4.4221 ppm	99.3716 %	101.0597 %	103.5633 %	98.8068 %	99.4134 %	102.7722 %
Concentration RSD	0.3 %	0.4 %	0.9 %	0.3 %	0.3 %	0.7 %	0.4 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2557001-05 WG2113865

Analysis started at: 9/12/2025 12:56:59 PM

Rack 1

Vial 47

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	0.0596 ppm		0.0153 ppm	0.0017 ppm	0.0000 ppm	10.8854 ppm
Concentration per Run 1	0.0017 ppm	0.0604 ppm	0.0123 ppm	0.0150 ppm	0.0021 ppm	0.0000 ppm	10.8482 ppm
Concentration per Run 2	0.0022 ppm	0.0584 ppm	0.0141 ppm	0.0165 ppm	0.0014 ppm	0.0000 ppm	10.9395 ppm
Concentration per Run 3	0.0022 ppm	0.0599 ppm	0.0156 ppm	0.0145 ppm	0.0017 ppm	0.0000 ppm	10.8685 ppm
Concentration RSD	15.7 %	1.8 %	11.8 %	6.9 %	19.6 %	133.2 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0028 ppm	0.0031 ppm	0.0018 ppm	0.7919 ppm	0.0093 ppm	0.3804 ppm	0.0030 ppm
Concentration per Run 1	0.0028 ppm	0.0038 ppm	0.0022 ppm	0.7907 ppm	0.0092 ppm	0.0027 ppm	0.0027 ppm
Concentration per Run 2	0.0029 ppm	0.0029 ppm	0.0018 ppm	0.7942 ppm	0.0086 ppm	0.3552 ppm	0.0027 ppm
Concentration per Run 3	0.0027 ppm	0.0027 ppm	0.0015 ppm	0.7908 ppm	0.0100 ppm	0.4035 ppm	0.0038 ppm
Concentration RSD	4.9 %	19.7 %	19.5 %	0.2 %	7.6 %	6.4 %	21.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.9630 ppm	0.1876 ppm	0.0003 ppm	130.5303 ppm	0.0153 ppm	0.0028 ppm	-0.0046 ppm
Concentration per Run 1	1.9684 ppm	0.1868 ppm	0.0005 ppm	130.1785 ppm	0.0145 ppm	0.0054 ppm	-0.0044 ppm
Concentration per Run 2	1.9581 ppm	0.1889 ppm	0.0002 ppm	130.9943 ppm	0.0161 ppm	0.0018 ppm	-0.0042 ppm
Concentration per Run 3	1.9627 ppm	0.1872 ppm	0.0001 ppm	130.4181 ppm	0.0154 ppm	0.0010 ppm	-0.0052 ppm
Concentration RSD	0.3 %	0.6 %	77.6 %	0.3 %	5.2 %	84.8 %	11.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0013 ppm	1.8801 ppm	0.0000 ppm	0.0129 ppm	-0.0017 ppm	-0.0073 ppm	0.0020 ppm
Concentration per Run 1	-0.0025 ppm	1.8922 ppm	-0.0012 ppm	0.0127 ppm	-0.0002 ppm	-0.0065 ppm	0.0019 ppm
Concentration per Run 2	-0.0037 ppm	1.8668 ppm	0.0013 ppm	0.0130 ppm	-0.0028 ppm	-0.0055 ppm	0.0025 ppm
Concentration per Run 3	0.0023 ppm	1.8811 ppm	-0.0001 ppm	0.0129 ppm	-0.0022 ppm	-0.0100 ppm	0.0014 ppm
Concentration RSD	238.2 %	0.7 %	23.265.1 %	1.2 %	80.4 %	32.5 %	27.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	2.3247 ppm	101.0112 %	100.2235 %	103.3167 %	100.3689 %	98.4665 %	102.7460 %
Concentration per Run 1	2.3401 ppm	101.1002 %	101.1183 %	102.8307 %	100.4986 %	98.8619 %	102.5812 %
Concentration per Run 2	2.3156 ppm	100.8094 %	99.9737 %	103.2939 %	100.0657 %	98.4842 %	102.7854 %
Concentration per Run 3	2.3183 ppm	101.1240 %	99.5786 %	103.8254 %	100.5426 %	98.0533 %	102.8713 %
Concentration RSD	0.6 %	0.2 %	0.8 %	0.5 %	0.3 %	0.4 %	0.1 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCV
Analysis started at: 9/12/2025 1:03:14 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4947 ppm	0.5128 ppm	0.5010 ppm	0.5031 ppm	0.5071 ppm	0.5198 ppm	0.5027 ppm
Concentration per Run 1	0.4945 ppm	0.4979 ppm	0.5155 ppm	0.5155 ppm	0.5071 ppm	0.5196 ppm	0.5048 ppm
Concentration per Run 2	0.4928 ppm	0.5135 ppm	0.5066 ppm	0.4973 ppm	0.5059 ppm	0.5183 ppm	0.5036 ppm
Concentration per Run 3	0.4968 ppm	0.5095 ppm	0.4985 ppm	0.5083 ppm	0.5083 ppm	0.5215 ppm	0.4999 ppm
Recovery Percentage 1	98.940 %	102.564 %	100.197 %	100.625 %	101.416 %	103.957 %	100.546 %
Concentration RSD	0.4 %	0.6 %	1.0 %	1.1 %	0.2 %	0.3 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5096 ppm	0.5138 ppm	0.5102 ppm	0.5080 ppm	0.5110 ppm	5.3027 ppm	0.5202 ppm
Concentration per Run 1	0.5103 ppm	0.5152 ppm	0.5095 ppm	0.5072 ppm	0.5114 ppm	5.3306 ppm	0.5219 ppm
Concentration per Run 2	0.5087 ppm	0.5135 ppm	0.5091 ppm	0.5087 ppm	0.5120 ppm	5.2776 ppm	0.5189 ppm
Concentration per Run 3	0.5099 ppm	0.5128 ppm	0.5121 ppm	0.5082 ppm	0.5097 ppm	5.3000 ppm	0.5198 ppm
Recovery Percentage 1	101.927 %	102.768 %	102.048 %	101.608 %	102.207 %	106.055 %	104.040 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.1 %	0.2 %	0.5 %	0.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4921 ppm	0.5130 ppm	0.5072 ppm	10.3805 ppm	0.5136 ppm	0.5242 ppm	0.5049 ppm
Concentration per Run 1	0.4894 ppm	0.5127 ppm	0.5088 ppm	10.3605 ppm	0.5133 ppm	0.5234 ppm	0.5092 ppm
Concentration per Run 2	0.4921 ppm	0.5122 ppm	0.5030 ppm	10.3662 ppm	0.5116 ppm	0.5308 ppm	0.4964 ppm
Concentration per Run 3	0.4947 ppm	0.5142 ppm	0.5098 ppm	10.4149 ppm	0.5160 ppm	0.5185 ppm	0.5091 ppm
Recovery Percentage 1	98.414 %	102.606 %	101.436 %	103.805 %	102.727 %	104.848 %	100.980 %
Concentration RSD	0.5 %	0.2 %	0.7 %	0.3 %	0.4 %	1.2 %	1.5 %

	Se 195.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5038 ppm	5.2982 ppm	0.5018 ppm	0.5114 ppm	0.5012 ppm	0.5157 ppm	0.5145 ppm
Concentration per Run 1	0.5022 ppm	5.2782 ppm	0.5065 ppm	0.5116 ppm	0.5014 ppm	0.5102 ppm	0.5130 ppm
Concentration per Run 2	0.5110 ppm	5.2974 ppm	0.4937 ppm	0.5085 ppm	0.5001 ppm	0.5214 ppm	0.5137 ppm
Concentration per Run 3	0.4982 ppm	5.3191 ppm	0.5051 ppm	0.5140 ppm	0.5022 ppm	0.5157 ppm	0.5168 ppm
Recovery Percentage 1	100.756 %	100.919 %	100.351 %	102.273 %	100.250 %	103.149 %	102.901 %
Concentration RSD	1.3 %	0.4 %	1.4 %	0.5 %	0.2 %	1.1 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5168 ppm	99.9806 %	99.9806 %	100.1563 %	100.2644 %	98.8764 %	102.4289 %
Concentration per Run 1	0.5169 ppm	99.7704 %	99.7704 %	99.5994 %	99.6214 %	98.4847 %	101.9462 %
Concentration per Run 2	0.5137 ppm	100.1192 %	100.1192 %	100.8386 %	100.5740 %	99.3010 %	102.7531 %
Concentration per Run 3	0.5198 ppm	100.0520 %	100.0520 %	100.0310 %	101.0977 %	98.8435 %	102.5873 %
Recovery Percentage 1	103.362 %						
Concentration RSD	0.6 %	0.2 %	0.2 %	0.6 %	0.8 %	0.4 %	0.4 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCB
Analysis started at: 9/12/2025 1:06:32 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	0.0021 ppm	0.0243 ppm	0.0011 ppm	0.0020 ppm	0.0003 ppm	0.0001 ppm	-0.0032 ppm
Concentration per Run 1	0.0019 ppm	0.0130 ppm	0.0010 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm	-0.0037 ppm
Concentration per Run 2	0.0023 ppm	0.0344 ppm	0.0022 ppm	0.0033 ppm	0.0004 ppm	0.0001 ppm	-0.0052 ppm
Concentration per Run 3	0.0021 ppm	0.0256 ppm	0.0000 ppm	0.0024 ppm	0.0004 ppm	0.0001 ppm	-0.0006 ppm
Recovery Percentage 1	29.885 %	24.317 %	21.417 %	6.812 %	3.357 %	1.756 %	-3.151 %
Concentration RSD	8.7 %	44.3 %	102.1 %	71.8 %	16.9 %	18.5 %	74.7 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0001 ppm	-0.0014 ppm	0.0010 ppm	0.0002 ppm	0.0017 ppm	0.0401 ppm	0.0007 ppm
Concentration per Run 1	0.0003 ppm	-0.0014 ppm	0.0010 ppm	0.0014 ppm	0.0029 ppm	0.0314 ppm	0.0000 ppm
Concentration per Run 2	0.0003 ppm	-0.0024 ppm	0.0014 ppm	-0.0001 ppm	0.0026 ppm	0.0593 ppm	0.0014 ppm
Concentration per Run 3	-0.0003 ppm	-0.0004 ppm	0.0005 ppm	-0.0008 ppm	-0.0005 ppm	0.0295 ppm	0.0006 ppm
Recovery Percentage 1	2.084 %	-7.102 %	9.794 %	1.559 %	3.354 %	1.603 %	13.196 %
Concentration RSD	354.7 %	71.4 %	43.9 %	703.9 %	111.3 %	41.6 %	108.1 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	-0.0050 ppm	-0.0003 ppm	0.0030 ppm	0.0049 ppm	-0.0005 ppm	-0.0002 ppm	-0.0114 ppm
Concentration per Run 1	-0.0108 ppm	-0.0005 ppm	0.0037 ppm	0.0046 ppm	-0.0005 ppm	-0.0023 ppm	-0.0051 ppm
Concentration per Run 2	-0.0013 ppm	-0.0004 ppm	0.0026 ppm	0.0104 ppm	0.0007 ppm	-0.0013 ppm	-0.0147 ppm
Concentration per Run 3	-0.0028 ppm	-0.0001 ppm	0.0027 ppm	-0.0002 ppm	-0.0016 ppm	0.0029 ppm	-0.0144 ppm
Recovery Percentage 1	-4.978 %	-3.204 %	5.994 %	0.247 %	-1.854 %	-2.338 %	-22.769 %
Concentration RSD	103.4 %	58.7 %	19.3 %	107.4 %	246.5 %	1.187.7 %	48.0 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	-0.0025 ppm	-0.0036 ppm	0.0008 ppm	0.0001 ppm	-0.0017 ppm	-0.0019 ppm	-0.0013 ppm
Concentration per Run 1	-0.0005 ppm	-0.0062 ppm	0.0056 ppm	0.0000 ppm	-0.0020 ppm	-0.0030 ppm	-0.0024 ppm
Concentration per Run 2	-0.0028 ppm	0.0005 ppm	-0.0021 ppm	0.0001 ppm	-0.0017 ppm	-0.0039 ppm	-0.0010 ppm
Concentration per Run 3	-0.0042 ppm	-0.0050 ppm	-0.0009 ppm	0.0001 ppm	-0.0016 ppm	0.0013 ppm	-0.0006 ppm
Recovery Percentage 1	-25.056 %	-0.711 %	1.689 %	0.552 %	-17.481 %	-9.291 %	-13.261 %
Concentration RSD	74.8 %	100.6 %	489.0 %	113.5 %	13.3 %	149.0 %	71.2 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	-0.0009 ppm	96.8964 %	99.3016 %	102.1450 %	98.4499 %	99.5479 %	102.4063 %
Concentration per Run 1	-0.0006 ppm	97.3091 %	100.0563 %	102.7046 %	98.6611 %	99.8327 %	102.7969 %
Concentration per Run 2	-0.0012 ppm	96.7991 %	101.7072 %	101.7072 %	98.3442 %	98.9968 %	102.2131 %
Concentration per Run 3	-0.0008 ppm	96.5811 %	99.0699 %	102.0233 %	98.3442 %	99.8141 %	102.2089 %
Recovery Percentage 1	-17.462 %	0.4 %	0.7 %	0.5 %	0.2 %	0.5 %	0.3 %
Concentration RSD	30.9 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2557001-06 WG2113865

Analysis started at: 9/12/2025 1:16:10 PM

Rack 1

Vial 48

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0019 ppm	0.0556 ppm	0.0187 ppm	0.0122 ppm	0.0011 ppm	0.0001 ppm	13.1991 ppm
Concentration per Run 1	0.0018 ppm	0.0610 ppm	0.0176 ppm	0.0123 ppm	0.0011 ppm	0.0000 ppm	13.2247 ppm
Concentration per Run 2	0.0024 ppm	0.0672 ppm	0.0238 ppm	0.0129 ppm	0.0011 ppm	0.0001 ppm	13.1944 ppm
Concentration per Run 3	0.0014 ppm	0.0387 ppm	0.0147 ppm	0.0113 ppm	0.0010 ppm	0.0000 ppm	13.1782 ppm
Concentration RSD	26.3 %	26.9 %	24.9 %	6.8 %	5.3 %	53.7 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0027 ppm	0.0045 ppm	0.0009 ppm	0.3736 ppm	0.0104 ppm	0.4562 ppm	0.0025 ppm
Concentration per Run 1	0.0029 ppm	0.0054 ppm	0.0009 ppm	0.3742 ppm	0.0126 ppm	0.4594 ppm	0.0036 ppm
Concentration per Run 2	0.0026 ppm	0.0043 ppm	0.0022 ppm	0.3717 ppm	0.0096 ppm	0.4600 ppm	0.0015 ppm
Concentration per Run 3	0.0024 ppm	0.0039 ppm	-0.0005 ppm	0.3750 ppm	0.0090 ppm	0.4392 ppm	0.0023 ppm
Concentration RSD	9.6 %	17.8 %	156.6 %	0.5 %	18.8 %	3.4 %	41.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.3159 ppm	0.1786 ppm	0.0010 ppm	129.9985 ppm	0.0223 ppm	0.0030 ppm	-0.0103 ppm
Concentration per Run 1	2.3236 ppm	0.1804 ppm	0.0003 ppm	130.4357 ppm	0.0242 ppm	0.0039 ppm	-0.0059 ppm
Concentration per Run 2	2.2898 ppm	0.1783 ppm	0.0013 ppm	129.5620 ppm	0.0204 ppm	0.0009 ppm	-0.0133 ppm
Concentration per Run 3	2.3343 ppm	0.1771 ppm	0.0014 ppm	129.9978 ppm	0.0223 ppm	0.0041 ppm	-0.0118 ppm
Concentration RSD	1.0 %	0.9 %	57.4 %	0.3 %	8.6 %	62.0 %	37.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0013 ppm	1.5884 ppm	0.0008 ppm	0.0179 ppm	-0.0021 ppm	-0.0035 ppm	0.0071 ppm
Concentration per Run 1	-0.0013 ppm	1.5947 ppm	0.0001 ppm	0.0179 ppm	-0.0020 ppm	-0.0033 ppm	0.0072 ppm
Concentration per Run 2	0.0006 ppm	1.5690 ppm	0.0004 ppm	0.0179 ppm	-0.0020 ppm	0.0020 ppm	0.0064 ppm
Concentration per Run 3	-0.0032 ppm	1.6013 ppm	0.0018 ppm	0.0179 ppm	-0.0023 ppm	-0.0091 ppm	0.0078 ppm
Concentration RSD	141.5 %	1.1 %	116.7 %	0.2 %	10.1 %	161.2 %	9.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.0507 ppm	101.4005 %	100.5270 %	103.2069 %	101.1599 %	98.8918 %	103.2124 %
Concentration per Run 1	1.0503 ppm	101.6882 %	100.0675 %	103.5070 %	101.1821 %	99.1497 %	103.3612 %
Concentration per Run 2	1.0379 ppm	102.4309 %	101.1187 %	103.2880 %	101.8635 %	98.9760 %	103.2689 %
Concentration per Run 3	1.0639 ppm	100.0824 %	100.3947 %	102.8256 %	100.4342 %	98.5497 %	103.0071 %
Concentration RSD	1.2 %	1.2 %	0.5 %	0.3 %	0.7 %	0.3 %	0.2 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2557001-07 WG2113865

Analysis started at: 9/12/2025 1:19:31 PM

Rack 1

Vial 49

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0024 ppm	0.0560 ppm	0.0096 ppm	0.0129 ppm	0.0024 ppm	0.0000 ppm	9.7238 ppm
Concentration per Run 1	0.0013 ppm	0.0623 ppm	0.0086 ppm	0.0137 ppm	0.0024 ppm	0.0000 ppm	9.7190 ppm
Concentration per Run 2	0.0029 ppm	0.0492 ppm	0.0110 ppm	0.0137 ppm	0.0024 ppm	0.0001 ppm	9.6618 ppm
Concentration per Run 3	0.0031 ppm	0.0565 ppm	0.0090 ppm	0.0134 ppm	0.0023 ppm	0.0000 ppm	9.7907 ppm
Concentration RSD	39.3 %	11.7 %	13.3 %	9.1 %	2.6 %	199.9 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0024 ppm	0.0029 ppm	0.0011 ppm	0.7556 ppm	0.0103 ppm	0.3631 ppm	0.0015 ppm
Concentration per Run 1	0.0025 ppm	0.0025 ppm	0.0013 ppm	0.7560 ppm	0.0123 ppm	0.3577 ppm	0.0024 ppm
Concentration per Run 2	0.0021 ppm	0.0031 ppm	0.0016 ppm	0.7530 ppm	0.0084 ppm	0.3795 ppm	0.0016 ppm
Concentration per Run 3	0.0024 ppm	0.0031 ppm	0.0005 ppm	0.7579 ppm	0.0103 ppm	0.3521 ppm	0.0006 ppm
Concentration RSD	8.3 %	12.0 %	51.4 %	0.3 %	18.9 %	4.0 %	61.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.4258 ppm	0.1810 ppm	-0.0006 ppm	132.1316 ppm	0.0108 ppm	0.0098 ppm	-0.0053 ppm
Concentration per Run 1	1.4210 ppm	0.1808 ppm	-0.0005 ppm	132.1959 ppm	0.0125 ppm	0.0114 ppm	-0.0076 ppm
Concentration per Run 2	1.4183 ppm	0.1796 ppm	0.0001 ppm	131.6701 ppm	0.0102 ppm	0.0103 ppm	-0.0061 ppm
Concentration per Run 3	1.4381 ppm	0.1825 ppm	-0.0016 ppm	132.5288 ppm	0.0097 ppm	0.0075 ppm	-0.0021 ppm
Concentration RSD	0.8 %	0.8 %	133.3 %	0.3 %	13.8 %	20.6 %	54.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0037 ppm	1.8445 ppm	0.0015 ppm	0.0164 ppm	-0.0012 ppm	-0.0034 ppm	0.0016 ppm
Concentration per Run 1	-0.0030 ppm	1.8371 ppm	0.0016 ppm	0.0165 ppm	-0.0013 ppm	-0.0080 ppm	0.0013 ppm
Concentration per Run 2	-0.0031 ppm	1.8323 ppm	0.0005 ppm	0.0163 ppm	-0.0013 ppm	-0.0014 ppm	0.0022 ppm
Concentration per Run 3	-0.0049 ppm	1.8641 ppm	0.0022 ppm	0.0164 ppm	-0.0010 ppm	-0.0009 ppm	0.0013 ppm
Concentration RSD	30.4 %	0.9 %	57.8 %	0.6 %	16.0 %	115.6 %	31.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 361.384 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	1.8086 ppm	99.7559 %	98.8259 %	103.8832 %	99.8104 %	103.1403 %
Concentration per Run 1	1.8082 ppm	99.6494 %	99.1854 %	102.9653 %	99.5683 %	101.9532 %
Concentration per Run 2	1.8011 ppm	100.7578 %	98.8681 %	104.3398 %	100.5954 %	103.6067 %
Concentration per Run 3	1.8165 ppm	98.8605 %	98.4242 %	104.3446 %	99.2675 %	103.8608 %
Concentration RSD	0.4 %	1.0 %	0.4 %	0.8 %	0.7 %	1.0 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2113864-2D2 WG2113864

Analysis started at: 9/12/2025 1:22:45 PM

Rack 1

Vial 50

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0519 ppm	2.0841 ppm	0.0915 ppm	0.7836 ppm	2.0148 ppm	0.0514 ppm	7.7847 ppm
Concentration per Run 1	0.0524 ppm	2.0923 ppm	0.0923 ppm	0.7813 ppm	2.0232 ppm	0.0514 ppm	7.8289 ppm
Concentration per Run 2	0.0522 ppm	2.0868 ppm	0.0877 ppm	0.7899 ppm	2.0104 ppm	0.0514 ppm	7.7619 ppm
Concentration per Run 3	0.0511 ppm	2.0734 ppm	0.0945 ppm	0.7795 ppm	2.0110 ppm	0.0514 ppm	7.7634 ppm
Concentration RSD	1.3 %	0.5 %	3.8 %	0.7 %	0.4 %	0.1 %	0.5 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0534 ppm	0.5061 ppm	0.2039 ppm	0.2510 ppm	1.0405 ppm	8.0419 ppm	-0.0001 ppm
Concentration per Run 1	0.0537 ppm	0.5059 ppm	0.2028 ppm	0.2516 ppm	1.0463 ppm	8.0682 ppm	0.0001 ppm
Concentration per Run 2	0.0535 ppm	0.5080 ppm	0.2056 ppm	0.2512 ppm	1.0357 ppm	8.0287 ppm	0.0002 ppm
Concentration per Run 3	0.0529 ppm	0.5043 ppm	0.2033 ppm	0.2501 ppm	1.0396 ppm	8.0289 ppm	-0.0005 ppm
Concentration RSD	0.8 %	0.4 %	0.7 %	0.3 %	0.5 %	0.3 %	447.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	7.7060 ppm	0.5055 ppm	0.7830 ppm	8.0460 ppm	0.5134 ppm	0.4102 ppm	0.5034 ppm
Concentration per Run 1	7.7185 ppm	0.5077 ppm	0.7839 ppm	8.1084 ppm	0.5148 ppm	0.4065 ppm	0.5059 ppm
Concentration per Run 2	7.7322 ppm	0.5046 ppm	0.7853 ppm	8.0114 ppm	0.5171 ppm	0.4144 ppm	0.5029 ppm
Concentration per Run 3	7.6672 ppm	0.5040 ppm	0.7797 ppm	8.0182 ppm	0.5084 ppm	0.4098 ppm	0.5013 ppm
Concentration RSD	0.4 %	0.4 %	0.4 %	0.7 %	0.9 %	1.0 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0856 ppm	0.7910 ppm	0.7671 ppm	0.7687 ppm	0.7768 ppm	0.0922 ppm	0.5203 ppm
Concentration per Run 1	0.0816 ppm	0.7883 ppm	0.7685 ppm	0.7719 ppm	0.7764 ppm	0.0939 ppm	0.5205 ppm
Concentration per Run 2	0.0903 ppm	0.7927 ppm	0.7691 ppm	0.7678 ppm	0.7815 ppm	0.0908 ppm	0.5223 ppm
Concentration per Run 3	0.0850 ppm	0.7920 ppm	0.7636 ppm	0.7664 ppm	0.7726 ppm	0.0919 ppm	0.5180 ppm
Concentration RSD	5.1 %	0.3 %	0.4 %	0.4 %	0.6 %	1.7 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5187 ppm	98.4829 %	101.4162 %	102.7156 %	99.1570 %	102.2527 %
Concentration per Run 1	0.5219 ppm	98.4623 %	101.1785 %	102.6797 %	98.8930 %	102.1227 %
Concentration per Run 2	0.5194 ppm	97.5504 %	101.3155 %	102.5977 %	98.5604 %	102.6505 %
Concentration per Run 3	0.5148 ppm	99.4361 %	101.7548 %	102.8694 %	100.0175 %	101.9850 %
Concentration RSD	0.7 %	1.0 %	0.3 %	0.1 %	0.8 %	0.3 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCV
Analysis started at: 9/12/2025 1:25:58 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4935 ppm	0.5157 ppm		0.5039 ppm	0.5003 ppm	0.5120 ppm	0.4984 ppm
Concentration per Run 1	0.4895 ppm	0.5221 ppm		0.5004 ppm	0.5027 ppm	0.5138 ppm	0.5061 ppm
Concentration per Run 2	0.4959 ppm	0.5093 ppm		0.5056 ppm	0.4978 ppm	0.5093 ppm	0.4951 ppm
Concentration per Run 3	0.4950 ppm	0.5155 ppm		0.5055 ppm	0.5005 ppm	0.5130 ppm	0.4938 ppm
Recovery Percentage 1	98.694 %	103.134 %		100.774 %	100.069 %	102.407 %	99.671 %
Concentration RSD	0.7 %	1.2 %		0.6 %	0.5 %	0.5 %	1.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5061 ppm	0.5106 ppm	0.5099 ppm	0.5040 ppm	0.5039 ppm	5.2470 ppm	0.5152 ppm
Concentration per Run 1	0.5049 ppm	0.5095 ppm	0.5068 ppm	0.5039 ppm	0.5048 ppm	5.3112 ppm	0.5205 ppm
Concentration per Run 2	0.5061 ppm	0.5135 ppm	0.5122 ppm	0.5032 ppm	0.4998 ppm	5.2056 ppm	0.5118 ppm
Concentration per Run 3	0.5073 ppm	0.5089 ppm	0.5108 ppm	0.5048 ppm	0.5069 ppm	5.2241 ppm	0.5134 ppm
Recovery Percentage 1	101.218 %	102.129 %	101.982 %	100.793 %	100.770 %	104.939 %	103.047 %
Concentration RSD	0.2 %	0.5 %	0.5 %	0.2 %	0.7 %	1.1 %	0.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4896 ppm	0.5096 ppm	0.5056 ppm	10.2655 ppm	0.5107 ppm	0.5208 ppm	0.5160 ppm
Concentration per Run 1	0.4937 ppm	0.5123 ppm	0.5013 ppm	10.3276 ppm	0.5089 ppm	0.5156 ppm	0.5209 ppm
Concentration per Run 2	0.4904 ppm	0.5065 ppm	0.5069 ppm	10.2761 ppm	0.5121 ppm	0.5257 ppm	0.5119 ppm
Concentration per Run 3	0.4849 ppm	0.5098 ppm	0.5086 ppm	10.1930 ppm	0.5111 ppm	0.5212 ppm	0.5153 ppm
Recovery Percentage 1	97.929 %	101.912 %	101.122 %	102.655 %	102.142 %	104.168 %	103.207 %
Concentration RSD	0.9 %	0.6 %	0.8 %	0.7 %	0.3 %	1.0 %	0.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5040 ppm	5.2663 ppm	0.4975 ppm	0.5050 ppm	0.5007 ppm	0.5126 ppm	0.5099 ppm
Concentration per Run 1	0.5026 ppm	5.2338 ppm	0.4954 ppm	0.5072 ppm	0.4976 ppm	0.5061 ppm	0.5098 ppm
Concentration per Run 2	0.5034 ppm	5.2724 ppm	0.4986 ppm	0.5035 ppm	0.5020 ppm	0.5172 ppm	0.5101 ppm
Concentration per Run 3	0.5060 ppm	5.2927 ppm	0.4986 ppm	0.5043 ppm	0.5026 ppm	0.5146 ppm	0.5098 ppm
Recovery Percentage 1	100.797 %	100.311 %	99.503 %	100.998 %	100.148 %	102.527 %	101.980 %
Concentration RSD	0.4 %	0.6 %	0.4 %	0.4 %	0.5 %	1.1 %	0.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5121 ppm	99.989 %	101.7741 %	103.2714 %	99.8734 %	100.5272 %	102.4826 %
Concentration per Run 1	0.5089 ppm	100.5698 %	100.4206 %	104.7356 %	100.0971 %	99.5793 %	102.8796 %
Concentration per Run 2	0.5147 ppm	99.2870 %	102.2202 %	102.8605 %	99.2567 %	100.6256 %	102.5897 %
Concentration per Run 3	0.5127 ppm	100.1399 %	102.6815 %	102.2182 %	100.2664 %	101.3768 %	101.9785 %
Recovery Percentage 1	102.424 %	0.7 %	1.2 %	1.3 %	0.5 %	0.9 %	0.4 %
Concentration RSD	0.6 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCB
Analysis started at: 9/12/2025 1:29:12 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-eFR	As 189.042 Axial-eUV	B 208.959 Axial-eFR	Ba 455.403 Radial-eFR	Be 313.042 Radial-eFR	Ca 315.887 Radial-eFR
Concentration average	0.0016 ppm	0.0126 ppm	0.0021 ppm	0.0031 ppm	0.0004 ppm	0.0001 ppm	-0.0044 ppm
Concentration per Run 1	0.0003 ppm	0.0142 ppm	0.0012 ppm	0.0034 ppm	0.0005 ppm	0.0001 ppm	-0.0081 ppm
Concentration per Run 2	0.0016 ppm	0.0071 ppm	0.0027 ppm	0.0024 ppm	0.0005 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 3	0.0028 ppm	0.0165 ppm	0.0026 ppm	0.0035 ppm	0.0003 ppm	0.0001 ppm	-0.0040 ppm
Recovery Percentage 1	22.474 %	12.596 %	42.862 %	10.362 %	4.255 %	2.739 %	-4.370 %
Concentration RSD	80.2 %	38.8 %	37.7 %	19.9 %	30.2 %	28.5 %	81.9 %

	Cd 214.438 Axial-eFR	Co 228.616 Axial-eFR	Cr 267.716 Axial-eFR	Cu 324.754 Axial-eFR	Fe 259.940 Radial-eFR	K 766.490 Radial-eFR	Li 670.776 Radial-eFR
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0006 ppm	-0.0002 ppm	0.0022 ppm	0.0100 ppm	0.0002 ppm
Concentration per Run 1	-0.0002 ppm	-0.0003 ppm	-0.0007 ppm	-0.0001 ppm	0.0019 ppm	0.0246 ppm	0.0008 ppm
Concentration per Run 2	0.0002 ppm	0.0005 ppm	-0.0008 ppm	-0.0008 ppm	0.0028 ppm	0.0128 ppm	0.0008 ppm
Concentration per Run 3	0.0003 ppm	-0.0006 ppm	-0.0002 ppm	0.0003 ppm	0.0018 ppm	-0.0075 ppm	-0.0008 ppm
Recovery Percentage 1	2.601 %	-0.745 %	-5.533 %	-1.993 %	4.345 %	0.398 %	4.331 %
Concentration RSD	197.9 %	376.7 %	53.6 %	281.4 %	25.5 %	163.2 %	414.5 %

	Mg 279.079 Axial-eFR	Mn 257.610 Radial-eFR	Mo 202.030 Axial-eFR	Na 589.592 Radial-eFR	Ni 231.604 Axial-eFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-eFR
Concentration average	-0.0074 ppm	-0.0003 ppm	0.0037 ppm	-0.0035 ppm	-0.0015 ppm	-0.0016 ppm	-0.0055 ppm
Concentration per Run 1	-0.0083 ppm	-0.0003 ppm	0.0030 ppm	-0.0047 ppm	-0.0009 ppm	-0.0075 ppm	-0.0127 ppm
Concentration per Run 2	-0.0038 ppm	-0.0004 ppm	0.0027 ppm	0.0003 ppm	-0.0017 ppm	0.0026 ppm	0.0026 ppm
Concentration per Run 3	-0.0101 ppm	-0.0002 ppm	0.0055 ppm	-0.0062 ppm	-0.0018 ppm	0.0000 ppm	-0.0062 ppm
Recovery Percentage 1	-7.426 %	-3.056 %	7.398 %	-0.177 %	-5.988 %	-15.772 %	-10.924 %
Concentration RSD	43.8 %	23.8 %	41.7 %	96.0 %	32.0 %	336.7 %	140.4 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-eFR	Sn 189.989 Axial-eFR	Sr 421.552 Radial-eFR	Ti 334.904 Axial-eFR	Tl 190.856 Axial-eUV	V 292.402 Axial-eFR
Concentration average	-0.0030 ppm	-0.0022 ppm	0.0007 ppm	0.0000 ppm	-0.0019 ppm	0.0001 ppm	-0.0015 ppm
Concentration per Run 1	-0.0006 ppm	-0.0061 ppm	-0.0019 ppm	0.0001 ppm	-0.0011 ppm	-0.0014 ppm	-0.0013 ppm
Concentration per Run 2	-0.0067 ppm	-0.0027 ppm	0.0035 ppm	0.0000 ppm	-0.0017 ppm	0.0029 ppm	-0.0016 ppm
Concentration per Run 3	-0.0017 ppm	0.0022 ppm	0.0004 ppm	0.0000 ppm	-0.0028 ppm	-0.0012 ppm	-0.0016 ppm
Recovery Percentage 1	-29.868 %	-0.443 %	1.353 %	0.426 %	-18.815 %	0.305 %	-14.990 %
Concentration RSD	108.5 %	189.0 %	400.6 %	197.5 %	46.8 %	3.985.3 %	12.3 %

	Zn 206.200 Axial-eFR	Sc 361.384 Axial-eFR	Sc 361.384 Radial-eFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-eFR	Y 371.030 Radial-eFR	Y 224.306 Axial-eUV
Concentration average	-0.0006 ppm	97.8801 %	99.2612 %	101.6199 %	99.1681 %	99.7406 %	102.3335 %
Concentration per Run 1	-0.0009 ppm	98.6095 %	99.3300 %	102.3670 %	99.1356 %	99.6312 %	102.8227 %
Concentration per Run 2	-0.0011 ppm	97.6759 %	99.4839 %	101.1704 %	99.7081 %	100.1950 %	101.5312 %
Concentration per Run 3	0.0002 ppm	97.3550 %	98.9697 %	101.3221 %	98.6606 %	99.3956 %	102.6466 %
Recovery Percentage 1	-12.223 %						
Concentration RSD	120.8 %	0.7 %	0.3 %	0.6 %	0.5 %	0.4 %	0.7 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555515-01 WG2112183

Analysis started at: 9/12/2025 2:46:47 PM

Rack 1

Vial 51

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0015 ppm	0.0336 ppm		0.0018 ppm	0.0007 ppm	0.0001 ppm	0.0432 ppm
Concentration per Run 1	0.0015 ppm	0.0437 ppm	0.0036 ppm	0.0022 ppm	0.0004 ppm	0.0000 ppm	0.0422 ppm
Concentration per Run 2	0.0015 ppm	0.0284 ppm	0.0028 ppm	-0.0007 ppm	0.0008 ppm	0.0000 ppm	0.0445 ppm
Concentration per Run 3	0.0014 ppm	0.0289 ppm	0.0059 ppm	0.0056 ppm	0.0007 ppm	0.0001 ppm	0.0428 ppm
Concentration RSD	4.4 %	25.8 %	53.9 %	188.4 %	9.7 %	62.9 %	2.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0012 ppm	0.0003 ppm	0.0018 ppm	0.0128 ppm	0.0450 ppm	-0.0005 ppm
Concentration per Run 1	0.0002 ppm	-0.0021 ppm	-0.0001 ppm	0.0015 ppm	0.0131 ppm	0.0509 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0009 ppm	0.0003 ppm	0.0014 ppm	0.0133 ppm	0.0314 ppm	-0.0008 ppm
Concentration per Run 3	-0.0001 ppm	-0.0005 ppm	0.0007 ppm	0.0024 ppm	0.0122 ppm	0.0527 ppm	-0.0006 ppm
Concentration RSD	623.8 %	71.0 %	143.9 %	29.1 %	4.4 %	26.3 %	55.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0007 ppm	0.0014 ppm	0.0016 ppm	0.5116 ppm	0.0061 ppm	-0.0015 ppm	-0.0112 ppm
Concentration per Run 1	-0.0006 ppm	0.0014 ppm	0.0015 ppm	0.5184 ppm	0.0063 ppm	-0.0036 ppm	-0.0163 ppm
Concentration per Run 2	0.0085 ppm	0.0013 ppm	0.0022 ppm	0.5055 ppm	0.0060 ppm	0.0022 ppm	-0.0109 ppm
Concentration per Run 3	-0.0081 ppm	0.0015 ppm	0.0012 ppm	0.5108 ppm	0.0062 ppm	-0.0031 ppm	-0.0066 ppm
Concentration RSD	990.1 %	6.4 %	32.7 %	1.3 %	2.1 %	218.6 %	42.9 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Si 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1102 ppm	0.0868 ppm	0.0014 ppm	0.0003 ppm	-0.0022 ppm	0.0013 ppm	-0.0020 ppm
Concentration per Run 1	0.1117 ppm	0.0847 ppm	0.0014 ppm	0.0003 ppm	-0.0031 ppm	0.0003 ppm	-0.0015 ppm
Concentration per Run 2	0.1159 ppm	0.0899 ppm	0.0023 ppm	0.0003 ppm	-0.0016 ppm	-0.0003 ppm	-0.0024 ppm
Concentration per Run 3	0.1031 ppm	0.0859 ppm	0.0004 ppm	0.0002 ppm	-0.0018 ppm	0.0039 ppm	-0.0021 ppm
Concentration RSD	5.9 %	3.1 %	67.4 %	22.5 %	38.2 %	177.1 %	24.0 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4171 ppm	98.8406 %	103.1630 %	102.2562 %	98.8124 %	101.7351 %	102.0502 %
Concentration per Run 1	0.4187 ppm	99.7809 %	104.0387 %	101.3364 %	99.5239 %	102.6588 %	101.3576 %
Concentration per Run 2	0.4216 ppm	97.9156 %	102.9609 %	102.2102 %	98.3360 %	101.7423 %	101.8122 %
Concentration per Run 3	0.4109 ppm	98.8252 %	102.4896 %	103.2219 %	98.5773 %	100.8043 %	102.9808 %
Concentration RSD	1.3 %	0.9 %	0.8 %	0.9 %	0.6 %	0.9 %	0.8 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112183-7 WG2112183

Analysis started at: 9/12/2025 2:50:14 PM

Rack 1

Vial 52

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0552 ppm	2.1366 ppm	0.1251 ppm	0.9997 ppm	2.0192 ppm	0.0513 ppm	10.0239 ppm
Concentration per Run 1	0.0556 ppm	2.1386 ppm	0.1244 ppm	1.0124 ppm	2.0325 ppm	0.0516 ppm	10.0830 ppm
Concentration per Run 2	0.0544 ppm	2.1120 ppm	0.1238 ppm	0.9941 ppm	1.9948 ppm	0.0507 ppm	9.9351 ppm
Concentration per Run 3	0.0556 ppm	2.1591 ppm	0.1272 ppm	0.9925 ppm	2.0302 ppm	0.0515 ppm	10.0537 ppm
Concentration RSD	1.2 %	1.1 %	1.5 %	1.1 %	1.0 %	0.9 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0534 ppm	0.4978 ppm	0.2008 ppm	0.2472 ppm	1.0263 ppm	10.3996 ppm	0.0000 ppm
Concentration per Run 1	0.0540 ppm	0.5009 ppm	0.2028 ppm	0.2484 ppm	1.0359 ppm	10.4718 ppm	0.0008 ppm
Concentration per Run 2	0.0526 ppm	0.4945 ppm	0.1979 ppm	0.2463 ppm	1.0142 ppm	10.2962 ppm	-0.0005 ppm
Concentration per Run 3	0.0535 ppm	0.4980 ppm	0.2016 ppm	0.2470 ppm	1.0288 ppm	10.4307 ppm	-0.0003 ppm
Concentration RSD	1.3 %	0.6 %	1.3 %	0.4 %	1.1 %	0.9 %	32.807.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.7556 ppm	0.5067 ppm	0.9695 ppm	10.7817 ppm	0.5095 ppm	0.5310 ppm	0.3662 ppm
Concentration per Run 1	9.8103 ppm	0.5104 ppm	0.9679 ppm	10.9216 ppm	0.5125 ppm	0.5312 ppm	0.3658 ppm
Concentration per Run 2	9.7188 ppm	0.5022 ppm	0.9658 ppm	10.6726 ppm	0.5088 ppm	0.5299 ppm	0.3658 ppm
Concentration per Run 3	9.7377 ppm	0.5073 ppm	0.9748 ppm	10.7510 ppm	0.5073 ppm	0.5320 ppm	0.3672 ppm
Concentration RSD	0.5 %	0.8 %	0.5 %	1.2 %	0.5 %	0.2 %	0.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1795 ppm	1.0644 ppm	0.9203 ppm	0.9814 ppm	0.9843 ppm	0.1208 ppm	0.5143 ppm
Concentration per Run 1	0.1799 ppm	1.0715 ppm	0.9356 ppm	0.9922 ppm	0.9874 ppm	0.1177 ppm	0.5167 ppm
Concentration per Run 2	0.1774 ppm	1.0569 ppm	0.9048 ppm	0.9674 ppm	0.9805 ppm	0.1237 ppm	0.5122 ppm
Concentration per Run 3	0.1811 ppm	1.0648 ppm	0.9206 ppm	0.9847 ppm	0.9850 ppm	0.1210 ppm	0.5140 ppm
Concentration RSD	1.1 %	0.7 %	1.7 %	1.3 %	0.4 %	2.5 %	0.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.9227 ppm	100.8975 %	103.1825 %	103.6140 %	100.5134 %	102.2574 %	102.3893 %
Concentration per Run 1	0.9326 ppm	100.0255 %	102.0010 %	103.5736 %	99.6250 %	100.9295 %	101.6051 %
Concentration per Run 2	0.9160 ppm	101.2533 %	103.9126 %	104.1913 %	100.7888 %	102.9821 %	103.4084 %
Concentration per Run 3	0.9194 ppm	101.4135 %	103.6339 %	103.0771 %	101.1264 %	102.8605 %	102.1545 %
Concentration RSD	0.9 %	0.8 %	1.0 %	0.5 %	0.8 %	1.1 %	0.9 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112183-8 WG2112183

Analysis started at: 9/12/2025 2:53:27 PM

Rack 1

Vial 53

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	0.0292 ppm	0.0033 ppm	0.0040 ppm	0.0008 ppm	0.0000 ppm	0.0433 ppm
Concentration per Run 1	0.0031 ppm	0.0267 ppm	0.0036 ppm	0.0040 ppm	0.0009 ppm	0.0001 ppm	0.0460 ppm
Concentration per Run 2	0.0020 ppm	0.0271 ppm	0.0025 ppm	0.0044 ppm	0.0007 ppm	0.0000 ppm	0.0412 ppm
Concentration per Run 3	0.0008 ppm	0.0339 ppm	0.0038 ppm	0.0035 ppm	0.0009 ppm	0.0000 ppm	0.0426 ppm
Concentration RSD	58.9 %	13.8 %	22.1 %	11.2 %	12.5 %	86.4 %	5.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0009 ppm	0.0016 ppm	0.0183 ppm	0.0382 ppm	0.0013 ppm
Concentration per Run 1	-0.0002 ppm	0.0007 ppm	0.0015 ppm	0.0012 ppm	0.0200 ppm	0.0429 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	-0.0014 ppm	0.0016 ppm	0.0022 ppm	0.0181 ppm	0.0233 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	-0.0004 ppm	0.0013 ppm	0.0167 ppm	0.0483 ppm	0.0012 ppm
Concentration RSD	172.8 %	333.9 %	124.8 %	36.1 %	9.2 %	34.4 %	44.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0012 ppm	0.0013 ppm	0.0070 ppm	0.5088 ppm	0.0069 ppm	-0.0010 ppm	0.0026 ppm
Concentration per Run 1	-0.0022 ppm	0.0013 ppm	0.0056 ppm	0.5067 ppm	0.0052 ppm	-0.0019 ppm	0.0070 ppm
Concentration per Run 2	0.0015 ppm	0.0014 ppm	0.0073 ppm	0.5008 ppm	0.0079 ppm	0.0022 ppm	0.0053 ppm
Concentration per Run 3	-0.0028 ppm	0.0012 ppm	0.0081 ppm	0.5189 ppm	0.0077 ppm	-0.0034 ppm	-0.0046 ppm
Concentration RSD	200.7 %	9.1 %	18.3 %	1.8 %	21.5 %	286.3 %	242.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.1293 ppm	0.0840 ppm	0.0116 ppm	0.0003 ppm	-0.0018 ppm	-0.0008 ppm	-0.0015 ppm
Concentration per Run 1	0.1274 ppm	0.0838 ppm	0.0144 ppm	0.0003 ppm	-0.0016 ppm	0.0014 ppm	-0.0014 ppm
Concentration per Run 2	0.1260 ppm	0.0881 ppm	0.0091 ppm	0.0003 ppm	-0.0018 ppm	-0.0023 ppm	-0.0009 ppm
Concentration per Run 3	0.1345 ppm	0.0801 ppm	0.0114 ppm	0.0003 ppm	-0.0018 ppm	-0.0017 ppm	-0.0021 ppm
Concentration RSD	3.5 %	4.8 %	22.6 %	12.3 %	7.3 %	237.6 %	40.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.4211 ppm	100.4938 %	103.9457 %	103.5398 %	100.7886 %	103.2472 %	103.3186 %
Concentration per Run 1	0.4220 ppm	100.2390 %	103.7435 %	103.1004 %	100.7507 %	102.6738 %	102.7906 %
Concentration per Run 2	0.4232 ppm	100.3180 %	104.0752 %	103.5620 %	100.7438 %	103.5041 %	103.3261 %
Concentration per Run 3	0.4182 ppm	100.9245 %	104.0183 %	103.9569 %	100.8713 %	103.5638 %	103.8390 %
Concentration RSD	0.6 %	0.4 %	0.2 %	0.4 %	0.1 %	0.5 %	0.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112183-9 WG2112183

Analysis started at: 9/12/2025 2:56:40 PM

Rack 1

Vial 54

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0561 ppm	2.0821 ppm	0.1247 ppm	0.9967 ppm	1.9709 ppm	0.0500 ppm	10.2802 ppm
Concentration per Run 1	0.0546 ppm	2.0751 ppm	0.1274 ppm	0.9867 ppm	1.9653 ppm	0.0500 ppm	10.2550 ppm
Concentration per Run 2	0.0580 ppm	2.0830 ppm	0.1184 ppm	0.9982 ppm	1.9770 ppm	0.0501 ppm	10.2348 ppm
Concentration per Run 3	0.0558 ppm	2.0883 ppm	0.1284 ppm	1.0052 ppm	1.9705 ppm	0.0500 ppm	10.3509 ppm
Concentration RSD	3.1 %	0.3 %	4.4 %	0.9 %	0.3 %	0.1 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0515 ppm	0.4800 ppm	0.1955 ppm	0.2383 ppm	1.0027 ppm	10.4143 ppm	0.0004 ppm
Concentration per Run 1	0.0516 ppm	0.4769 ppm	0.1948 ppm	0.2375 ppm	1.0086 ppm	10.3901 ppm	0.0003 ppm
Concentration per Run 2	0.0515 ppm	0.4775 ppm	0.1945 ppm	0.2379 ppm	0.9969 ppm	10.4651 ppm	0.0003 ppm
Concentration per Run 3	0.0514 ppm	0.4856 ppm	0.1973 ppm	0.2396 ppm	1.0025 ppm	10.3877 ppm	0.0006 ppm
Concentration RSD	0.2 %	1.0 %	0.8 %	0.5 %	0.6 %	0.4 %	41.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	9.7247 ppm	0.4963 ppm	0.9645 ppm	10.8080 ppm	0.4950 ppm	0.5288 ppm	0.2954 ppm
Concentration per Run 1	9.6623 ppm	0.4955 ppm	0.9552 ppm	10.8057 ppm	0.4916 ppm	0.5263 ppm	0.2928 ppm
Concentration per Run 2	9.7430 ppm	0.4938 ppm	0.9636 ppm	10.7621 ppm	0.4928 ppm	0.5103 ppm	0.2964 ppm
Concentration per Run 3	9.7688 ppm	0.4995 ppm	0.9747 ppm	10.8561 ppm	0.5006 ppm	0.5496 ppm	0.2968 ppm
Concentration RSD	0.6 %	0.6 %	1.0 %	0.4 %	1.0 %	3.7 %	0.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Ti 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.2255 ppm	0.7415 ppm	0.9378 ppm	0.9876 ppm	0.9848 ppm	0.1152 ppm	0.4952 ppm
Concentration per Run 1	0.2271 ppm	0.7406 ppm	0.9279 ppm	0.9844 ppm	0.9750 ppm	0.1160 ppm	0.4919 ppm
Concentration per Run 2	0.2177 ppm	0.7362 ppm	0.9350 ppm	0.9906 ppm	0.9890 ppm	0.1085 ppm	0.4951 ppm
Concentration per Run 3	0.2317 ppm	0.7477 ppm	0.9505 ppm	0.9880 ppm	0.9904 ppm	0.1210 ppm	0.4985 ppm
Concentration RSD	3.2 %	0.8 %	1.2 %	0.3 %	0.9 %	5.4 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.9054 ppm	99.3665 %	102.2899 %	103.8024 %	99.9165 %	101.2645 %	102.9513 %
Concentration per Run 1	0.9007 ppm	99.9269 %	102.9937 %	103.3386 %	100.1169 %	101.5703 %	102.5776 %
Concentration per Run 2	0.9038 ppm	98.4646 %	102.5088 %	107.1231 %	99.4874 %	101.4596 %	105.9317 %
Concentration per Run 3	0.9118 ppm	99.7079 %	101.3671 %	100.9455 %	100.1451 %	100.7634 %	100.3444 %
Concentration RSD	0.6 %	0.8 %	0.8 %	3.0 %	0.4 %	0.4 %	2.7 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: WG2112183-10D5 WG2112183

Analysis started at: 9/12/2025 2:59:54 PM

Rack 1

Vial 55

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0017 ppm	0.0243 ppm	0.0039 ppm	0.0028 ppm	0.0005 ppm	0.0001 ppm	0.0082 ppm
Concentration per Run 1	0.0019 ppm	0.0265 ppm	0.0052 ppm	0.0025 ppm	0.0005 ppm	0.0001 ppm	0.0057 ppm
Concentration per Run 2	0.0013 ppm	0.0255 ppm	0.0034 ppm	0.0038 ppm	0.0005 ppm	0.0000 ppm	0.0133 ppm
Concentration per Run 3	0.0017 ppm	0.0209 ppm	0.0030 ppm	0.0021 ppm	0.0005 ppm	0.0001 ppm	0.0056 ppm
Concentration RSD	18.6 %	12.3 %	29.6 %	32.0 %	4.8 %	19.9 %	54.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0011 ppm	0.0000 ppm	0.0001 ppm	0.0045 ppm	0.0212 ppm	0.0004 ppm
Concentration per Run 1	-0.0003 ppm	0.0003 ppm	-0.0006 ppm	0.0009 ppm	0.0024 ppm	0.0126 ppm	-0.0011 ppm
Concentration per Run 2	0.0003 ppm	-0.0019 ppm	0.0006 ppm	-0.0003 ppm	0.0057 ppm	0.0196 ppm	0.0015 ppm
Concentration per Run 3	-0.0001 ppm	-0.0017 ppm	0.0002 ppm	-0.0004 ppm	0.0055 ppm	0.0314 ppm	0.0009 ppm
Concentration RSD	1.762.8 %	106.9 %	1.506.9 %	810.4 %	41.4 %	44.8 %	314.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0020 ppm	0.0002 ppm	0.0084 ppm	0.1007 ppm	-0.0009 ppm	-0.0051 ppm	0.0170 ppm
Concentration per Run 1	-0.0020 ppm	0.0002 ppm	0.0081 ppm	0.1078 ppm	0.0012 ppm	0.0247 ppm	0.0247 ppm
Concentration per Run 2	-0.0011 ppm	0.0002 ppm	0.0074 ppm	0.0950 ppm	-0.0031 ppm	-0.0045 ppm	0.0209 ppm
Concentration per Run 3	-0.0030 ppm	0.0002 ppm	0.0098 ppm	0.0993 ppm	-0.0009 ppm	-0.0034 ppm	0.0055 ppm
Concentration RSD	48.6 %	28.3 %	14.8 %	6.4 %	233.0 %	38.5 %	59.7 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.0193 ppm	0.0113 ppm	0.0228 ppm	0.0001 ppm	-0.0018 ppm	0.0013 ppm	-0.0017 ppm
Concentration per Run 1	0.0173 ppm	0.0075 ppm	0.0269 ppm	0.0002 ppm	-0.0016 ppm	0.0021 ppm	-0.0017 ppm
Concentration per Run 2	0.0167 ppm	0.0142 ppm	0.0220 ppm	0.0001 ppm	-0.0019 ppm	0.0005 ppm	-0.0013 ppm
Concentration per Run 3	0.0238 ppm	0.0121 ppm	0.0194 ppm	0.0002 ppm	-0.0019 ppm	0.0012 ppm	-0.0020 ppm
Concentration RSD	20.4 %	30.6 %	16.8 %	37.3 %	10.0 %	62.2 %	20.6 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0823 ppm	97.4248 %	99.4061 %	100.6783 %	98.7828 %	99.5827 %	101.1292 %
Concentration per Run 1	0.0818 ppm	97.6604 %	95.6096 %	101.5773 %	99.0379 %	95.7849 %	101.6982 %
Concentration per Run 2	0.0819 ppm	97.3173 %	100.0176 %	100.9047 %	98.4487 %	100.7537 %	101.5432 %
Concentration per Run 3	0.0833 ppm	97.2967 %	102.5912 %	99.5530 %	98.8618 %	102.2095 %	100.1462 %
Concentration RSD	1.0 %	0.2 %	3.6 %	1.0 %	0.3 %	3.4 %	0.8 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555168-01 WG2112183

Analysis started at: 9/12/2025 3:03:08 PM

Rack 1

Vial 56

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0026 ppm	0.5769 ppm	0.0045 ppm	0.2213 ppm	0.0116 ppm	0.0000 ppm	18.6609 ppm
Concentration per Run 1	0.0022 ppm	0.5839 ppm	0.0035 ppm	0.2198 ppm	0.0117 ppm	0.0000 ppm	18.7656 ppm
Concentration per Run 2	0.0027 ppm	0.5770 ppm	0.0046 ppm	0.2245 ppm	0.0114 ppm	0.0001 ppm	18.5404 ppm
Concentration per Run 3	0.0028 ppm	0.5699 ppm	0.0052 ppm	0.2195 ppm	0.0116 ppm	0.0000 ppm	18.6758 ppm
Concentration RSD	13.4 %	1.2 %	18.9 %	1.3 %	1.1 %	154.1 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0008 ppm	0.0107 ppm	0.5129 ppm	2.3079 ppm	12.8059 ppm	0.0058 ppm
Concentration per Run 1	0.0001 ppm	-0.0019 ppm	0.0108 ppm	0.5142 ppm	2.3190 ppm	12.8631 ppm	0.0048 ppm
Concentration per Run 2	0.0001 ppm	0.0004 ppm	0.0111 ppm	0.5158 ppm	2.3037 ppm	12.7857 ppm	0.0063 ppm
Concentration per Run 3	-0.0002 ppm	-0.0007 ppm	0.0101 ppm	0.5088 ppm	2.3011 ppm	12.7687 ppm	0.0062 ppm
Concentration RSD	5811.4 %	153.0 %	4.7 %	0.7 %	0.4 %	0.4 %	15.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	8.9902 ppm	0.0559 ppm	0.0170 ppm	440.2426 ppm	0.0126 ppm	0.0013 ppm	0.0009 ppm
Concentration per Run 1	8.9559 ppm	0.0561 ppm	0.0185 ppm	441.4918 ppm	0.0127 ppm	0.0020 ppm	0.0024 ppm
Concentration per Run 2	9.0239 ppm	0.0556 ppm	0.0162 ppm	438.6613 ppm	0.0123 ppm	0.0008 ppm	-0.0031 ppm
Concentration per Run 3	8.9908 ppm	0.0560 ppm	0.0164 ppm	440.5746 ppm	0.0129 ppm	0.0011 ppm	0.0033 ppm
Concentration RSD	0.4 %	0.5 %	7.5 %	0.3 %	2.5 %	45.9 %	389.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0055 ppm	4.7338 ppm	0.0018 ppm	0.1325 ppm	-0.0008 ppm	0.0001 ppm	-0.0007 ppm
Concentration per Run 1	-0.0051 ppm	4.7097 ppm	0.0002 ppm	0.1332 ppm	-0.0011 ppm	0.0015 ppm	-0.0004 ppm
Concentration per Run 2	-0.0069 ppm	4.7532 ppm	0.0056 ppm	0.1321 ppm	-0.0011 ppm	0.0002 ppm	-0.0005 ppm
Concentration per Run 3	-0.0046 ppm	4.7385 ppm	-0.0004 ppm	0.1323 ppm	-0.0013 ppm	-0.0014 ppm	-0.0013 ppm
Concentration RSD	22.2 %	0.5 %	186.1 %	0.5 %	74.0 %	1,298.9 %	66.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	3.4602 ppm	103.4938 %	102.7375 %	105.8190 %	103.4020 %	100.9023 %	105.0819 %
Concentration per Run 1	3.4443 ppm	104.3573 %	101.9184 %	105.2863 %	104.3187 %	100.3363 %	104.6295 %
Concentration per Run 2	3.4777 ppm	103.0409 %	103.7491 %	106.0120 %	103.0827 %	101.6865 %	105.2384 %
Concentration per Run 3	3.4585 ppm	103.0832 %	102.5450 %	106.1588 %	102.8047 %	100.6842 %	105.3778 %
Concentration RSD	0.5 %	0.7 %	0.9 %	0.4 %	0.8 %	0.7 %	0.4 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555862-01 WG2112183

Analysis started at: 9/12/2025 3:06:23 PM

Rack 1

Vial 57

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0018 ppm	0.0569 ppm	0.0004 ppm	0.0440 ppm	0.1606 ppm	0.0000 ppm	47.8716 ppm
Concentration per Run 1	0.0018 ppm	0.0643 ppm	-0.0011 ppm	0.0422 ppm	0.1618 ppm	0.0000 ppm	48.3125 ppm
Concentration per Run 2	0.0024 ppm	0.0527 ppm	0.0008 ppm	0.0430 ppm	0.1596 ppm	0.0000 ppm	47.6220 ppm
Concentration per Run 3	0.0012 ppm	0.0537 ppm	0.0015 ppm	0.0468 ppm	0.1605 ppm	0.0000 ppm	47.6804 ppm
Concentration RSD	35.4 %	11.3 %	328.0 %	5.6 %	0.7 %	83.4 %	0.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0004 ppm	0.0062 ppm	0.0232 ppm	0.1141 ppm	2.3021 ppm	0.0052 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0059 ppm	0.0242 ppm	0.1175 ppm	2.3205 ppm	0.0054 ppm
Concentration per Run 2	-0.0002 ppm	-0.0004 ppm	0.0067 ppm	0.0234 ppm	0.1128 ppm	2.2947 ppm	0.0058 ppm
Concentration per Run 3	-0.0001 ppm	-0.0005 ppm	0.0059 ppm	0.0219 ppm	0.1119 ppm	2.2910 ppm	0.0046 ppm
Concentration RSD	26.6 %	26.1 %	7.9 %	5.2 %	2.6 %	0.7 %	10.0 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	10.1650 ppm	0.0039 ppm	0.0031 ppm	22.7954 ppm	0.0014 ppm	-0.0011 ppm	-0.0034 ppm
Concentration per Run 1	10.1731 ppm	0.0039 ppm	0.0032 ppm	23.0288 ppm	0.0018 ppm	-0.0046 ppm	-0.0052 ppm
Concentration per Run 2	10.0913 ppm	0.0039 ppm	0.0029 ppm	22.5688 ppm	0.0005 ppm	-0.0015 ppm	-0.0049 ppm
Concentration per Run 3	10.2305 ppm	0.0039 ppm	0.0033 ppm	22.7904 ppm	0.0019 ppm	0.0028 ppm	0.0000 ppm
Concentration RSD	0.7 %	0.5 %	6.4 %	1.0 %	53.5 %	328.4 %	87.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0009 ppm	8.1191 ppm	0.0017 ppm	0.2554 ppm	-0.0006 ppm	-0.0018 ppm	0.0023 ppm
Concentration per Run 1	-0.0045 ppm	8.1281 ppm	0.0023 ppm	0.2577 ppm	0.0003 ppm	0.0001 ppm	0.0029 ppm
Concentration per Run 2	0.0027 ppm	8.0525 ppm	0.0028 ppm	0.2531 ppm	-0.0012 ppm	0.0002 ppm	0.0019 ppm
Concentration per Run 3	-0.0008 ppm	8.1766 ppm	0.0000 ppm	0.2555 ppm	-0.0010 ppm	-0.0056 ppm	0.0020 ppm
Concentration RSD	405.2 %	0.8 %	87.1 %	0.9 %	126.9 %	189.6 %	23.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0906 ppm	95.9571 %	99.4830 %	99.2439 %	96.0819 %	98.2274 %	98.9318 %
Concentration per Run 1	0.0904 ppm	96.0003 %	98.1292 %	99.7532 %	95.7973 %	96.7243 %	98.9028 %
Concentration per Run 2	0.0904 ppm	96.6044 %	100.5357 %	99.0838 %	96.4967 %	99.3617 %	99.0234 %
Concentration per Run 3	0.0911 ppm	95.2667 %	99.7840 %	98.8948 %	95.9517 %	98.5963 %	98.8691 %
Concentration RSD	0.4 %	0.7 %	1.2 %	0.5 %	0.4 %	1.4 %	0.1 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555876-01 WG2112183

Analysis started at: 9/12/2025 3:09:38 PM

Rack 1

Vial 58

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0025 ppm	0.0731 ppm	0.0021 ppm	0.4877 ppm	0.0195 ppm	0.0001 ppm	17.6720 ppm
Concentration per Run 1	0.0028 ppm	0.0756 ppm	0.0034 ppm	0.4792 ppm	0.0195 ppm	0.0001 ppm	17.5192 ppm
Concentration per Run 2	0.0023 ppm	0.0731 ppm	0.0005 ppm	0.4973 ppm	0.0196 ppm	0.0001 ppm	17.7477 ppm
Concentration per Run 3	0.0024 ppm	0.0707 ppm	0.0024 ppm	0.4865 ppm	0.0194 ppm	0.0001 ppm	17.7490 ppm
Concentration RSD	10.2 %	3.4 %	68.6 %	1.9 %	0.3 %	29.9 %	0.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0077 ppm	0.0461 ppm	18.3222 ppm	0.0032 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0077 ppm	0.0458 ppm	0.0027 ppm	0.0027 ppm
Concentration per Run 2	-0.0003 ppm	-0.0007 ppm	0.0017 ppm	0.0081 ppm	0.0479 ppm	18.4411 ppm	0.0040 ppm
Concentration per Run 3	0.0001 ppm	-0.0006 ppm	-0.0008 ppm	0.0072 ppm	0.0446 ppm	18.3360 ppm	0.0030 ppm
Concentration RSD	977.2 %	84.2 %	2,122.7 %	5.6 %	3.6 %	0.7 %	20.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.9481 ppm	0.0565 ppm	0.0023 ppm	114.7640 ppm	0.0015 ppm	0.0009 ppm	-0.0103 ppm
Concentration per Run 1	4.9406 ppm	0.0567 ppm	0.0018 ppm	113.5544 ppm	0.0019 ppm	0.0067 ppm	-0.0099 ppm
Concentration per Run 2	4.9774 ppm	0.0564 ppm	0.0019 ppm	115.7885 ppm	-0.0002 ppm	-0.0029 ppm	-0.0120 ppm
Concentration per Run 3	4.9264 ppm	0.0564 ppm	0.0031 ppm	114.9492 ppm	0.0027 ppm	-0.0011 ppm	-0.0090 ppm
Concentration RSD	0.5 %	0.3 %	32.0 %	1.0 %	100.2 %	592.4 %	15.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0052 ppm	5.7455 ppm	0.0011 ppm	0.1305 ppm	-0.0013 ppm	-0.0020 ppm	-0.0015 ppm
Concentration per Run 1	-0.0063 ppm	5.7069 ppm	0.0005 ppm	0.1295 ppm	-0.0003 ppm	-0.0053 ppm	-0.0010 ppm
Concentration per Run 2	-0.0018 ppm	5.7871 ppm	0.0003 ppm	0.1312 ppm	-0.0018 ppm	-0.0023 ppm	-0.0013 ppm
Concentration per Run 3	-0.0075 ppm	5.7424 ppm	0.0024 ppm	0.1307 ppm	-0.0016 ppm	0.0016 ppm	-0.0022 ppm
Concentration RSD	57.6 %	0.7 %	107.6 %	0.7 %	66.7 %	172.0 %	40.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0308 ppm	101.7984 %	102.8465 %	104.6404 %	101.2187 %	101.0249 %	103.7057 %
Concentration per Run 1	0.0307 ppm	102.8281 %	102.9479 %	105.0435 %	102.1627 %	100.8313 %	103.3247 %
Concentration per Run 2	0.0318 ppm	100.7047 %	102.6128 %	104.4699 %	100.1302 %	101.4163 %	103.8999 %
Concentration per Run 3	0.0300 ppm	101.8623 %	102.9788 %	104.4079 %	101.3632 %	100.8272 %	103.8926 %
Concentration RSD	2.9 %	1.0 %	0.2 %	0.3 %	1.0 %	0.3 %	0.3 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555886-01 WG2112183

Analysis started at: 9/12/2025 3:12:53 PM

Rack 1

Vial 59

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0026 ppm	0.0213 ppm	0.0012 ppm	0.0236 ppm	0.0043 ppm	0.0001 ppm	30.1310 ppm
Concentration per Run 1	0.0022 ppm	0.0198 ppm	0.0002 ppm	0.0240 ppm	0.0042 ppm	0.0001 ppm	30.2155 ppm
Concentration per Run 2	0.0023 ppm	0.0292 ppm	0.0040 ppm	0.0235 ppm	0.0044 ppm	0.0000 ppm	30.1425 ppm
Concentration per Run 3	0.0033 ppm	0.0148 ppm	-0.0007 ppm	0.0234 ppm	0.0043 ppm	0.0001 ppm	30.0349 ppm
Concentration RSD	24.6 %	34.3 %	209.4 %	1.3 %	2.6 %	26.9 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0003 ppm	0.0064 ppm	0.5181 ppm	49.7955 ppm	0.0028 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	-0.0005 ppm	0.0062 ppm	0.5159 ppm	49.4746 ppm	0.0041 ppm
Concentration per Run 2	-0.0004 ppm	-0.0006 ppm	0.0007 ppm	0.0063 ppm	0.5232 ppm	50.0322 ppm	0.0017 ppm
Concentration per Run 3	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0067 ppm	0.5151 ppm	49.8797 ppm	0.0026 ppm
Concentration RSD	68.1 %	438.6 %	261.6 %	4.0 %	0.9 %	0.6 %	41.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.6071 ppm	0.0442 ppm	0.0023 ppm	313.2430 ppm	0.0116 ppm	0.0006 ppm	-0.0104 ppm
Concentration per Run 1	6.6777 ppm	0.0442 ppm	0.0022 ppm	314.2985 ppm	0.0109 ppm	0.0018 ppm	-0.0142 ppm
Concentration per Run 2	6.5844 ppm	0.0444 ppm	0.0037 ppm	312.9787 ppm	0.0114 ppm	0.0008 ppm	-0.0085 ppm
Concentration per Run 3	6.5591 ppm	0.0441 ppm	0.0012 ppm	312.4539 ppm	0.0125 ppm	-0.0008 ppm	-0.0085 ppm
Concentration RSD	0.9 %	0.4 %	54.9 %	0.3 %	6.9 %	219.0 %	32.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0043 ppm	8.5445 ppm	-0.0008 ppm	0.1663 ppm	-0.0023 ppm	0.0029 ppm	-0.0022 ppm
Concentration per Run 1	-0.0074 ppm	8.6331 ppm	0.0028 ppm	0.1656 ppm	-0.0028 ppm	0.0015 ppm	-0.0024 ppm
Concentration per Run 2	-0.0030 ppm	8.5206 ppm	-0.0006 ppm	0.1680 ppm	-0.0024 ppm	0.0042 ppm	-0.0020 ppm
Concentration per Run 3	-0.0025 ppm	8.4797 ppm	-0.0046 ppm	0.1654 ppm	-0.0018 ppm	0.0031 ppm	-0.0021 ppm
Concentration RSD	62.2 %	0.9 %	458.9 %	0.9 %	22.8 %	45.9 %	9.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0080 ppm	102.5472 %	101.4970 %	105.4210 %	102.8652 %	100.1219 %	104.5155 %
Concentration per Run 1	-0.0079 ppm	101.6347 %	101.7960 %	105.4288 %	102.1413 %	100.7985 %	104.0578 %
Concentration per Run 2	-0.0079 ppm	102.8278 %	100.9533 %	105.2766 %	103.3656 %	99.6877 %	104.5981 %
Concentration per Run 3	-0.0082 ppm	103.1792 %	101.7418 %	105.5578 %	103.0889 %	99.8796 %	104.8906 %
Concentration RSD	2.1 %	0.8 %	0.5 %	0.1 %	0.6 %	0.6 %	0.4 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555912-01 WG2112183

Analysis started at: 9/12/2025 3:16:08 PM

Rack 1

Vial 60

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0021 ppm	0.2439 ppm	0.0027 ppm	0.0624 ppm	0.0129 ppm	0.0001 ppm	5.6527 ppm
Concentration per Run 1	0.0032 ppm	0.2429 ppm	0.0051 ppm	0.0630 ppm	0.0128 ppm	0.0000 ppm	5.6254 ppm
Concentration per Run 2	0.0019 ppm	0.2406 ppm	0.0020 ppm	0.0612 ppm	0.0129 ppm	0.0001 ppm	5.6582 ppm
Concentration per Run 3	0.0010 ppm	0.2481 ppm	0.0011 ppm	0.0630 ppm	0.0130 ppm	0.0000 ppm	5.6745 ppm
Concentration RSD	52.9 %	1.6 %	76.3 %	1.6 %	0.7 %	42.7 %	0.4 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0033 ppm	0.0216 ppm	0.1228 ppm	3.3482 ppm	0.0021 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	0.0035 ppm	0.0209 ppm	0.1235 ppm	3.3195 ppm	0.0019 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0032 ppm	0.0230 ppm	0.1198 ppm	3.3676 ppm	0.0028 ppm
Concentration per Run 3	-0.0001 ppm	-0.0007 ppm	0.0031 ppm	0.0210 ppm	0.1252 ppm	3.3574 ppm	0.0015 ppm
Concentration RSD	718.7 %	1,201.1 %	6.7 %	5.4 %	2.3 %	0.8 %	31.5 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	1.6288 ppm	0.0098 ppm	0.0002 ppm	216.1732 ppm	0.0022 ppm	-0.0001 ppm	-0.0065 ppm
Concentration per Run 1	1.6207 ppm	0.0098 ppm	0.0000 ppm	214.9720 ppm	0.0018 ppm	-0.0010 ppm	-0.0023 ppm
Concentration per Run 2	1.6301 ppm	0.0099 ppm	0.0010 ppm	216.2823 ppm	0.0025 ppm	0.0014 ppm	-0.0030 ppm
Concentration per Run 3	1.6356 ppm	0.0096 ppm	-0.0004 ppm	217.2653 ppm	0.0021 ppm	-0.0007 ppm	-0.0138 ppm
Concentration RSD	0.5 %	1.6 %	382.3 %	0.5 %	16.9 %	1,023.5 %	96.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0017 ppm	3.1452 ppm	0.0046 ppm	0.0472 ppm	0.0366 ppm	0.0010 ppm	-0.0014 ppm
Concentration per Run 1	-0.0012 ppm	3.1274 ppm	0.0060 ppm	0.0470 ppm	0.0367 ppm	0.0005 ppm	-0.0016 ppm
Concentration per Run 2	-0.0027 ppm	3.1688 ppm	0.0045 ppm	0.0469 ppm	0.0386 ppm	0.0019 ppm	-0.0013 ppm
Concentration per Run 3	-0.0013 ppm	3.1394 ppm	0.0034 ppm	0.0477 ppm	0.0343 ppm	0.0005 ppm	-0.0013 ppm
Concentration RSD	48.1 %	0.7 %	28.5 %	0.9 %	5.9 %	80.4 %	11.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.1445 ppm	101.3643 %	102.5223 %	104.0405 %	101.6422 %	100.8354 %	103.4241 %
Concentration per Run 1	0.1435 ppm	101.6178 %	103.2515 %	103.8216 %	101.9548 %	101.2898 %	102.9704 %
Concentration per Run 2	0.1442 ppm	100.7101 %	102.2647 %	104.3590 %	101.5321 %	100.3003 %	104.1337 %
Concentration per Run 3	0.1459 ppm	101.7652 %	102.0508 %	103.9408 %	101.4398 %	100.9161 %	103.1682 %
Concentration RSD	0.8 %	0.6 %	0.6 %	0.3 %	0.3 %	0.5 %	0.6 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCV
Analysis started at: 9/12/2025 3:19:23 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4989 ppm	0.5186 ppm	0.5186 ppm	0.5038 ppm	0.5019 ppm	0.5110 ppm	0.4986 ppm
Concentration per Run 1	0.4990 ppm	0.5180 ppm	0.5180 ppm	0.5016 ppm	0.5025 ppm	0.5105 ppm	0.4990 ppm
Concentration per Run 2	0.4993 ppm	0.5213 ppm	0.5041 ppm	0.5044 ppm	0.5019 ppm	0.5108 ppm	0.4971 ppm
Concentration per Run 3	0.4984 ppm	0.5164 ppm	0.5164 ppm	0.4994 ppm	0.5014 ppm	0.5118 ppm	0.4998 ppm
Recovery Percentage 1	99.780 %	103.711 %	103.711 %	100.757 %	100.383 %	102.209 %	99.726 %
Concentration RSD	0.1 %	0.5 %	0.5 %	0.8 %	0.1 %	0.1 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5034 ppm	0.5066 ppm	0.5114 ppm	0.5076 ppm	0.5033 ppm	5.2793 ppm	0.5207 ppm
Concentration per Run 1	0.5040 ppm	0.5060 ppm	0.5132 ppm	0.5070 ppm	0.5043 ppm	5.3090 ppm	0.5204 ppm
Concentration per Run 2	0.5028 ppm	0.5072 ppm	0.5105 ppm	0.5070 ppm	0.5042 ppm	5.2863 ppm	0.5237 ppm
Concentration per Run 3	0.5036 ppm	0.5066 ppm	0.5104 ppm	0.5088 ppm	0.5016 ppm	5.2426 ppm	0.5179 ppm
Recovery Percentage 1	100.690 %	101.321 %	102.276 %	101.522 %	100.668 %	105.586 %	104.134 %
Concentration RSD	0.1 %	0.1 %	0.3 %	0.2 %	0.3 %	0.6 %	0.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4813 ppm	0.5090 ppm	0.5022 ppm	10.3223 ppm	0.5115 ppm	0.5147 ppm	0.5034 ppm
Concentration per Run 1	0.4828 ppm	0.5092 ppm	0.5029 ppm	10.3186 ppm	0.5159 ppm	0.5141 ppm	0.5103 ppm
Concentration per Run 2	0.4793 ppm	0.5079 ppm	0.5003 ppm	10.3506 ppm	0.5094 ppm	0.5174 ppm	0.5065 ppm
Concentration per Run 3	0.4817 ppm	0.5099 ppm	0.5033 ppm	10.2976 ppm	0.5091 ppm	0.5124 ppm	0.4936 ppm
Recovery Percentage 1	96.252 %	101.803 %	100.432 %	103.223 %	102.283 %	102.930 %	100.687 %
Concentration RSD	0.4 %	0.2 %	0.3 %	0.3 %	0.7 %	0.5 %	1.7 %

	Se 195.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5043 ppm	5.3428 ppm	0.4967 ppm	0.5032 ppm	0.4992 ppm	0.4986 ppm	0.5091 ppm
Concentration per Run 1	0.5059 ppm	5.3256 ppm	0.4986 ppm	0.5019 ppm	0.4991 ppm	0.4927 ppm	0.5098 ppm
Concentration per Run 2	0.5091 ppm	5.3641 ppm	0.4929 ppm	0.5040 ppm	0.4996 ppm	0.5020 ppm	0.5082 ppm
Concentration per Run 3	0.4979 ppm	5.3387 ppm	0.4988 ppm	0.5037 ppm	0.4987 ppm	0.5012 ppm	0.5093 ppm
Recovery Percentage 1	100.862 %	101.768 %	99.347 %	100.642 %	99.830 %	99.725 %	101.822 %
Concentration RSD	1.1 %	0.4 %	0.7 %	0.2 %	0.1 %	1.0 %	0.2 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5127 ppm	100.6864 %	104.6029 %	102.8843 %	100.1924 %	103.3329 %	102.0851 %
Concentration per Run 1	0.5166 ppm	100.2167 %	105.1326 %	102.8910 %	99.5222 %	103.5916 %	101.6349 %
Concentration per Run 2	0.5102 ppm	103.8454 %	100.8270 %	102.2837 %	100.5160 %	103.0721 %	101.9623 %
Concentration per Run 3	0.5112 ppm	101.0155 %	104.8307 %	103.4781 %	100.5390 %	103.3351 %	102.6581 %
Recovery Percentage 1	102.530 %						
Concentration RSD	0.7 %	0.4 %	0.6 %	0.6 %	0.6 %	0.3 %	0.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCB
Analysis started at: 9/12/2025 3:22:38 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0025 ppm	0.0190 ppm	0.0190 ppm	0.0018 ppm	0.0003 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run 1	0.0023 ppm	0.0220 ppm	-0.0015 ppm	0.0014 ppm	0.0004 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 2	0.0036 ppm	0.0203 ppm	0.0020 ppm	0.0030 ppm	0.0003 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run 3	0.0016 ppm	0.0148 ppm	0.0008 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0048 ppm
Recovery Percentage 1	35.808 %	19.014 %	9.185 %	5.901 %	2.960 %	2.220 %	1.661 %
Concentration RSD	39.9 %	19.7 %	389.3 %	61.0 %	19.8 %	19.4 %	166.8 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0001 ppm	-0.0013 ppm	-0.0003 ppm	-0.0003 ppm	0.0015 ppm	0.0367 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0012 ppm	-0.0006 ppm	-0.0003 ppm	0.0004 ppm	0.0418 ppm	0.0005 ppm
Concentration per Run 2	0.0003 ppm	-0.0021 ppm	-0.0027 ppm	-0.0002 ppm	0.0020 ppm	0.0312 ppm	0.0004 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	-0.0010 ppm	-0.0004 ppm	0.0022 ppm	0.0372 ppm	0.0008 ppm
Recovery Percentage 1	1.558 %	-6.270 %	-3.008 %	3.037 %	1.468 %	11.201 %	33.2 %
Concentration RSD	305.5 %	68.3 %	27.9 %	66.4 %	14.5 %	14.5 %	33.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	-0.0056 ppm	-0.0002 ppm	0.0029 ppm	0.0134 ppm	-0.0005 ppm	0.0000 ppm	-0.0080 ppm
Concentration per Run 1	-0.0094 ppm	-0.0002 ppm	0.0026 ppm	0.0170 ppm	-0.0003 ppm	-0.0027 ppm	-0.0085 ppm
Concentration per Run 2	-0.0025 ppm	-0.0001 ppm	0.0038 ppm	0.0138 ppm	-0.0025 ppm	-0.0010 ppm	-0.0142 ppm
Concentration per Run 3	-0.0048 ppm	-0.0001 ppm	0.0022 ppm	0.0093 ppm	0.0012 ppm	0.0038 ppm	-0.0013 ppm
Recovery Percentage 1	-5.593 %	-1.580 %	5.733 %	0.668 %	-2.107 %	0.427 %	-15.964 %
Concentration RSD	62.6 %	48.1 %	27.8 %	29.0 %	359.4 %	7.924 %	81.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0020 ppm	-0.0009 ppm	0.0004 ppm	0.0000 ppm	-0.0026 ppm	0.0017 ppm	-0.0018 ppm
Concentration per Run 1	0.0002 ppm	-0.0066 ppm	0.0008 ppm	0.0000 ppm	-0.0012 ppm	-0.0008 ppm	-0.0024 ppm
Concentration per Run 2	-0.0020 ppm	0.0021 ppm	0.0003 ppm	0.0000 ppm	-0.0036 ppm	0.0035 ppm	-0.0013 ppm
Concentration per Run 3	-0.0043 ppm	0.0019 ppm	0.0002 ppm	0.0000 ppm	-0.0030 ppm	0.0023 ppm	-0.0015 ppm
Recovery Percentage 1	-20.405 %	-0.172 %	0.858 %	-0.262 %	-25.992 %	8.414 %	-17.548 %
Concentration RSD	111.2 %	576.5 %	81.2 %	25.9 %	47.6 %	133.6 %	34.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0005 ppm	98.4280 %	103.4206 %	101.8662 %	99.7947 %	103.5175 %	102.2052 %
Concentration per Run 1	-0.0003 ppm	99.6729 %	102.4183 %	100.8791 %	101.3271 %	102.2883 %	102.2803 %
Concentration per Run 2	-0.0005 ppm	97.2175 %	103.0718 %	102.7279 %	98.2599 %	103.1890 %	102.1362 %
Concentration per Run 3	-0.0008 ppm	98.3935 %	104.7718 %	101.9916 %	99.7972 %	105.0950 %	102.1992 %
Recovery Percentage 1	-10.765 %	1.2 %	1.2 %	0.9 %	1.5 %	1.4 %	0.1 %
Concentration RSD	48.7 %	1.2 %	1.2 %	0.9 %	1.5 %	1.4 %	0.1 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555938-01 WG2112183

Analysis started at: 9/12/2025 3:29:43 PM

Rack

Vial 2

1

<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0022 ppm	0.0148 ppm	0.0006 ppm	0.0235 ppm	0.0853 ppm	0.0000 ppm	102.6703 ppm
Concentration per Run 1	0.0026 ppm	0.0161 ppm	0.0029 ppm	0.0253 ppm	0.0855 ppm	0.0000 ppm	102.9364 ppm
Concentration per Run 2	0.0018 ppm	0.0078 ppm	0.0013 ppm	0.0241 ppm	0.0855 ppm	0.0000 ppm	103.0906 ppm
Concentration per Run 3	0.0020 ppm	0.0205 ppm	-0.0024 ppm	0.0212 ppm	0.0848 ppm	0.0000 ppm	101.9840 ppm
Concentration RSD	19.0 %	43.8 %	475.2 %	8.9 %	0.5 %	63.9 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0008 ppm	-0.0018 ppm	0.0004 ppm	0.0018 ppm	0.0100 ppm	3.0915 ppm	0.0001 ppm
Concentration per Run 1	-0.0008 ppm	-0.0018 ppm	-0.0003 ppm	0.0018 ppm	0.0115 ppm	3.1138 ppm	-0.0003 ppm
Concentration per Run 2	-0.0009 ppm	-0.0030 ppm	0.0010 ppm	0.0018 ppm	0.0096 ppm	3.1141 ppm	-0.0002 ppm
Concentration per Run 3	-0.0006 ppm	-0.0006 ppm	0.0005 ppm	0.0018 ppm	0.0088 ppm	3.0465 ppm	0.0007 ppm
Concentration RSD	18.6 %	67.5 %	161.7 %	1.1 %	13.9 %	1.3 %	684.1 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	24.4647 ppm	0.0003 ppm	0.0008 ppm	4.1044 ppm	-0.0014 ppm	0.0020 ppm	-0.0180 ppm
Concentration per Run 1	24.4292 ppm	0.0002 ppm	0.0006 ppm	4.1060 ppm	0.0000 ppm	0.0044 ppm	-0.0132 ppm
Concentration per Run 2	24.4554 ppm	0.0002 ppm	0.0012 ppm	4.1273 ppm	-0.0022 ppm	-0.0021 ppm	-0.0191 ppm
Concentration per Run 3	24.5094 ppm	0.0004 ppm	0.0007 ppm	4.0800 ppm	-0.0020 ppm	0.0036 ppm	-0.0216 ppm
Concentration RSD	0.2 %	38.3 %	38.6 %	0.6 %	84.3 %	181.3 %	23.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0041 ppm	5.4956 ppm	0.0002 ppm	0.2332 ppm	-0.0029 ppm	-0.0013 ppm	-0.0006 ppm
Concentration per Run 1	-0.0068 ppm	5.4791 ppm	-0.0012 ppm	0.2343 ppm	-0.0029 ppm	-0.0003 ppm	-0.0007 ppm
Concentration per Run 2	-0.0019 ppm	5.4956 ppm	0.0013 ppm	0.2332 ppm	-0.0029 ppm	-0.0023 ppm	-0.0007 ppm
Concentration per Run 3	-0.0036 ppm	5.5120 ppm	0.0006 ppm	0.2322 ppm	-0.0029 ppm	-0.0012 ppm	-0.0005 ppm
Concentration RSD	60.3 %	0.3 %	593.9 %	0.5 %	0.8 %	77.1 %	18.5 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0015 ppm	98.1308 %	103.0447 %	101.3536 %	97.6505 %	101.8931 %	100.9927 %
Concentration per Run 1	0.0015 ppm	98.6196 %	103.4014 %	101.0244 %	97.9190 %	102.8527 %	101.4864 %
Concentration per Run 2	0.0018 ppm	97.6285 %	102.2767 %	101.5135 %	97.2183 %	100.9608 %	100.5619 %
Concentration per Run 3	0.0012 ppm	98.1443 %	103.4559 %	101.5230 %	97.8142 %	101.8659 %	100.9297 %
Concentration RSD	21.6 %	0.5 %	0.6 %	0.3 %	0.4 %	0.9 %	0.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555938-02 WG2112183

Analysis started at: 9/12/2025 3:33:09 PM

Rack 2

Vial 2

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0015 ppm	0.0312 ppm	0.0006 ppm	0.0209 ppm	0.0270 ppm	0.0000 ppm	11.2482 ppm
Concentration per Run 1	0.0010 ppm	0.0361 ppm	0.0029 ppm	0.0193 ppm	0.0271 ppm	0.0000 ppm	11.2856 ppm
Concentration per Run 2	0.0017 ppm	0.0309 ppm	-0.0012 ppm	0.0235 ppm	0.0269 ppm	0.0001 ppm	11.2436 ppm
Concentration per Run 3	0.0019 ppm	0.0265 ppm	0.0001 ppm	0.0199 ppm	0.0271 ppm	0.0001 ppm	11.2155 ppm
Concentration RSD	31.7 %	15.3 %	343.4 %	10.8 %	0.4 %	84.6 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0013 ppm	0.0003 ppm	0.0198 ppm	1.1299 ppm	0.0026 ppm
Concentration per Run 1	0.0000 ppm	0.0008 ppm	0.0011 ppm	-0.0003 ppm	0.0194 ppm	0.0032 ppm	0.0032 ppm
Concentration per Run 2	0.0002 ppm	0.0003 ppm	0.0015 ppm	0.0005 ppm	0.0198 ppm	1.1109 ppm	0.0028 ppm
Concentration per Run 3	-0.0003 ppm	-0.0020 ppm	0.0012 ppm	0.0007 ppm	0.0201 ppm	1.1297 ppm	0.0017 ppm
Concentration RSD	27.739.6 %	518.0 %	17.5 %	172.5 %	1.7 %	1.7 %	28.9 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	4.8869 ppm	0.0003 ppm	0.0003 ppm	15.3332 ppm	-0.0007 ppm	-0.0008 ppm	-0.0102 ppm
Concentration per Run 1	4.8911 ppm	0.0002 ppm	-0.0004 ppm	15.2998 ppm	0.0005 ppm	0.0055 ppm	-0.0017 ppm
Concentration per Run 2	4.8843 ppm	0.0003 ppm	0.0002 ppm	15.3485 ppm	-0.0002 ppm	-0.0029 ppm	-0.0118 ppm
Concentration per Run 3	4.8853 ppm	0.0002 ppm	0.0011 ppm	15.3533 ppm	-0.0025 ppm	-0.0051 ppm	-0.0172 ppm
Concentration RSD	0.1 %	17.2 %	251.9 %	0.2 %	218.6 %	691.7 %	77.1 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0071 ppm	7.4122 ppm	-0.0025 ppm	0.0562 ppm	-0.0013 ppm	-0.0018 ppm	-0.0020 ppm
Concentration per Run 1	-0.0083 ppm	7.4380 ppm	-0.0036 ppm	0.0563 ppm	-0.0010 ppm	0.0028 ppm	-0.0025 ppm
Concentration per Run 2	-0.0054 ppm	7.4109 ppm	-0.0046 ppm	0.0562 ppm	-0.0019 ppm	0.0014 ppm	-0.0021 ppm
Concentration per Run 3	-0.0074 ppm	7.3877 ppm	0.0007 ppm	0.0560 ppm	-0.0010 ppm	-0.0098 ppm	-0.0015 ppm
Concentration RSD	21.0 %	0.3 %	113.7 %	0.2 %	41.5 %	376.1 %	24.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0005 ppm	100.4469 %	104.1029 %	102.8289 %	100.4176 %	102.7790 %	103.2590 %
Concentration per Run 1	0.0005 ppm	101.2730 %	103.1838 %	102.9843 %	101.6657 %	102.1529 %	103.8267 %
Concentration per Run 2	0.0003 ppm	99.7236 %	104.5457 %	102.4494 %	99.7862 %	103.3387 %	103.0007 %
Concentration per Run 3	0.0006 ppm	100.3440 %	104.5790 %	103.0531 %	99.8008 %	102.8456 %	102.9496 %
Concentration RSD	31.0 %	0.8 %	0.8 %	0.3 %	1.1 %	0.6 %	0.5 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555938-03 WG2112183

Analysis started at: 9/12/2025 3:36:23 PM

Rack 2

Vial 3

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0028 ppm	0.0225 ppm	0.0024 ppm	0.0103 ppm	0.0362 ppm	0.0000 ppm	8.1798 ppm
Concentration per Run 1	0.0023 ppm	0.0242 ppm	0.0035 ppm	0.0101 ppm	0.0362 ppm	0.0000 ppm	8.1557 ppm
Concentration per Run 2	0.0018 ppm	0.0228 ppm	0.0038 ppm	0.0104 ppm	0.0363 ppm	0.0001 ppm	8.2103 ppm
Concentration per Run 3	0.0042 ppm	0.0204 ppm	-0.0003 ppm	0.0103 ppm	0.0362 ppm	0.0000 ppm	8.1733 ppm
Concentration RSD	46.3 %	8.5 %	97.3 %	1.7 %	0.1 %	196.9 %	0.3 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0005 ppm	-0.0007 ppm	0.0021 ppm	0.0041 ppm	1.0521 ppm	0.0011 ppm
Concentration per Run 1	-0.0002 ppm	-0.0003 ppm	-0.0010 ppm	0.0014 ppm	0.0042 ppm	1.0777 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	-0.0017 ppm	-0.0022 ppm	0.0028 ppm	0.0047 ppm	1.0688 ppm	0.0012 ppm
Concentration per Run 3	-0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0020 ppm	0.0034 ppm	1.0097 ppm	0.0015 ppm
Concentration RSD	143.4 %	207.8 %	191.5 %	33.8 %	15.3 %	3.5 %	35.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	3.5392 ppm	0.0016 ppm	-0.0007 ppm	3.9768 ppm	-0.0010 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 1	3.5333 ppm	0.0014 ppm	-0.0010 ppm	3.9863 ppm	-0.0005 ppm	0.0006 ppm	-0.0031 ppm
Concentration per Run 2	3.5482 ppm	0.0018 ppm	-0.0005 ppm	3.9706 ppm	-0.0019 ppm	-0.0031 ppm	-0.0045 ppm
Concentration per Run 3	3.5360 ppm	0.0016 ppm	-0.0006 ppm	3.9736 ppm	-0.0006 ppm	0.0026 ppm	0.0048 ppm
Concentration RSD	0.2 %	10.8 %	40.5 %	0.2 %	78.3 %	11.710.4 %	548.0 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0043 ppm	3.9903 ppm	-0.0009 ppm	0.0351 ppm	-0.0026 ppm	0.0029 ppm	-0.0018 ppm
Concentration per Run 1	-0.0026 ppm	3.9956 ppm	0.0000 ppm	0.0351 ppm	-0.0025 ppm	0.0011 ppm	-0.0018 ppm
Concentration per Run 2	-0.0075 ppm	3.9811 ppm	-0.0034 ppm	0.0352 ppm	-0.0022 ppm	0.0049 ppm	-0.0013 ppm
Concentration per Run 3	-0.0030 ppm	3.9943 ppm	0.0009 ppm	0.0350 ppm	-0.0030 ppm	0.0026 ppm	-0.0023 ppm
Concentration RSD	62.5 %	0.2 %	262.5 %	0.3 %	15.8 %	66.9 %	29.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0026 ppm	99.9327 %	104.5496 %	102.7653 %	99.9287 %	103.0081 %	102.6431 %
Concentration per Run 1	0.0029 ppm	99.2468 %	104.9069 %	102.0028 %	99.1639 %	103.1291 %	102.4448 %
Concentration per Run 2	0.0028 ppm	100.0528 %	104.3600 %	102.7296 %	100.2714 %	103.1842 %	101.9479 %
Concentration per Run 3	0.0021 ppm	100.4985 %	104.3819 %	103.5634 %	100.3507 %	102.7108 %	103.5365 %
Concentration RSD	16.1 %	0.6 %	0.3 %	0.8 %	0.7 %	0.3 %	0.8 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555938-04 WG2112183

Analysis started at: 9/12/2025 3:39:37 PM

Rack

Vial

Comment

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	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0020 ppm	0.0249 ppm	-0.0003 ppm	0.0102 ppm	0.0056 ppm	0.0000 ppm	19.3584 ppm
Concentration per Run 1	0.0026 ppm	0.0276 ppm	0.0037 ppm	0.0107 ppm	0.0057 ppm	0.0000 ppm	19.4916 ppm
Concentration per Run 2	0.0010 ppm	0.0292 ppm	-0.0031 ppm	0.0106 ppm	0.0055 ppm	0.0000 ppm	19.2494 ppm
Concentration per Run 3	0.0025 ppm	0.0179 ppm	-0.0015 ppm	0.0093 ppm	0.0056 ppm	0.0000 ppm	19.3343 ppm
Concentration RSD	42.4 %	24.6 %	1,192.3 %	7.9 %	2.1 %	82.7 %	0.6 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0007 ppm	-0.0012 ppm	0.0004 ppm	0.0816 ppm	0.7997 ppm	0.0021 ppm
Concentration per Run 1	0.0000 ppm	-0.0008 ppm	0.0011 ppm	0.0005 ppm	0.0831 ppm	0.8361 ppm	0.0031 ppm
Concentration per Run 2	-0.0003 ppm	-0.0015 ppm	-0.0017 ppm	0.0001 ppm	0.0794 ppm	0.7832 ppm	0.0022 ppm
Concentration per Run 3	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0824 ppm	0.7798 ppm	0.0011 ppm
Concentration RSD	71.7 %	112.0 %	574.6 %	56.6 %	2.4 %	3.9 %	47.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	2.4230 ppm	0.0250 ppm	-0.0005 ppm	6.0976 ppm	0.0003 ppm	-0.0008 ppm	-0.0002 ppm
Concentration per Run 1	2.4306 ppm	0.0252 ppm	0.0003 ppm	6.1694 ppm	-0.0004 ppm	-0.0001 ppm	-0.0084 ppm
Concentration per Run 2	2.4129 ppm	0.0248 ppm	-0.0012 ppm	6.0692 ppm	0.0007 ppm	-0.0027 ppm	0.0006 ppm
Concentration per Run 3	2.4254 ppm	0.0251 ppm	-0.0006 ppm	6.0541 ppm	0.0005 ppm	0.0004 ppm	0.0072 ppm
Concentration RSD	0.4 %	0.9 %	145.4 %	1.0 %	201.6 %	210.2 %	4,899.4 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0051 ppm	10.6652 ppm	-0.0018 ppm	0.1461 ppm	-0.0016 ppm	-0.0004 ppm	-0.0005 ppm
Concentration per Run 1	-0.0041 ppm	10.6617 ppm	-0.0010 ppm	0.1473 ppm	-0.0013 ppm	-0.0030 ppm	-0.0003 ppm
Concentration per Run 2	-0.0077 ppm	10.6291 ppm	-0.0022 ppm	0.1447 ppm	-0.0014 ppm	-0.0024 ppm	-0.0008 ppm
Concentration per Run 3	-0.0034 ppm	10.7049 ppm	-0.0021 ppm	0.1461 ppm	-0.0022 ppm	0.0040 ppm	-0.0005 ppm
Concentration RSD	45.3 %	0.4 %	38.3 %	0.9 %	31.9 %	886.7 %	47.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0003 ppm	100.3877 %	105.2018 %	103.2066 %	100.5012 %	103.9992 %	103.0074 %
Concentration per Run 1	0.0002 ppm	99.9632 %	103.6625 %	102.4243 %	99.9797 %	102.7942 %	102.2427 %
Concentration per Run 2	0.0003 ppm	101.2338 %	106.6461 %	103.7456 %	101.1768 %	105.1342 %	103.1192 %
Concentration per Run 3	0.0003 ppm	99.9662 %	105.2968 %	103.4499 %	100.3470 %	104.0693 %	103.6602 %
Concentration RSD	30.6 %	0.7 %	1.4 %	0.7 %	0.6 %	1.1 %	0.7 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2555938-05 WG2112183

Analysis started at: 9/12/2025 3:42:52 PM

Rack

Vial 2

5

<Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0024 ppm	0.0586 ppm	0.0020 ppm	0.0299 ppm	0.0178 ppm	0.0000 ppm	14.4748 ppm
Concentration per Run 1	0.0022 ppm	0.0591 ppm	0.0007 ppm	0.0321 ppm	0.0179 ppm	0.0000 ppm	14.4804 ppm
Concentration per Run 2	0.0026 ppm	0.0617 ppm	0.0034 ppm	0.0277 ppm	0.0178 ppm	0.0000 ppm	14.4770 ppm
Concentration per Run 3	0.0024 ppm	0.0550 ppm	0.0021 ppm	0.0300 ppm	0.0176 ppm	0.0000 ppm	14.4671 ppm
Concentration RSD	7.9 %	5.7 %	66.4 %	7.3 %	0.6 %	34.5 %	0.0 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0006 ppm	0.0020 ppm	0.0015 ppm	0.3241 ppm	1.5702 ppm	0.0026 ppm
Concentration per Run 1	-0.0002 ppm	-0.0008 ppm	0.0019 ppm	0.0012 ppm	0.3239 ppm	1.5605 ppm	0.0029 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0020 ppm	0.0023 ppm	0.3261 ppm	1.5974 ppm	0.0028 ppm
Concentration per Run 3	-0.0001 ppm	-0.0008 ppm	0.0022 ppm	0.0011 ppm	0.3223 ppm	1.5528 ppm	0.0023 ppm
Concentration RSD	26.1 %	56.6 %	9.1 %	44.0 %	0.6 %	1.5 %	12.4 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	6.1098 ppm	0.0988 ppm	0.0006 ppm	23.3420 ppm	0.0013 ppm	-0.0011 ppm	-0.0088 ppm
Concentration per Run 1	6.1037 ppm	0.0990 ppm	0.0014 ppm	23.2490 ppm	0.0015 ppm	-0.0036 ppm	-0.0055 ppm
Concentration per Run 2	6.1177 ppm	0.0992 ppm	0.0003 ppm	23.4492 ppm	0.0007 ppm	-0.0011 ppm	-0.0130 ppm
Concentration per Run 3	6.1081 ppm	0.0983 ppm	0.0000 ppm	23.3278 ppm	0.0016 ppm	0.0014 ppm	-0.0079 ppm
Concentration RSD	0.1 %	0.5 %	126.6 %	0.4 %	41.0 %	225.1 %	43.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0046 ppm	8.0605 ppm	0.0000 ppm	0.0811 ppm	0.0013 ppm	0.0007 ppm	-0.0013 ppm
Concentration per Run 1	-0.0061 ppm	8.0744 ppm	0.0032 ppm	0.0813 ppm	0.0003 ppm	-0.0005 ppm	-0.0010 ppm
Concentration per Run 2	-0.0050 ppm	8.0707 ppm	-0.0009 ppm	0.0812 ppm	0.0013 ppm	0.0022 ppm	-0.0022 ppm
Concentration per Run 3	-0.0029 ppm	8.0364 ppm	-0.0024 ppm	0.0809 ppm	0.0023 ppm	0.0002 ppm	-0.0007 ppm
Concentration RSD	35.0 %	0.3 %	9,176.9 %	0.2 %	77.2 %	210.0 %	59.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.0027 ppm	100.7378 %	104.7972 %	103.4982 %	100.7327 %	103.0549 %	103.0059 %
Concentration per Run 1	0.0030 ppm	101.4997 %	105.0858 %	103.5621 %	101.5339 %	103.2150 %	103.4936 %
Concentration per Run 2	0.0029 ppm	99.8907 %	104.5695 %	103.4176 %	100.1818 %	102.8062 %	102.9049 %
Concentration per Run 3	0.0023 ppm	100.8229 %	104.7362 %	103.5151 %	100.4823 %	103.1434 %	102.6190 %
Concentration RSD	13.0 %	0.8 %	0.3 %	0.1 %	0.7 %	0.2 %	0.4 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: zL2556026-02D20 WG2112183

Analysis started at: 9/12/2025 3:46:06 PM

Rack 2

Vial 6

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0015 ppm	0.0294 ppm	0.0050 ppm	0.0493 ppm	0.0005 ppm	0.0000 ppm	0.1203 ppm
Concentration per Run 1	0.0015 ppm	0.0282 ppm	0.0069 ppm	0.0476 ppm	0.0001 ppm	0.0001 ppm	0.1219 ppm
Concentration per Run 2	0.0008 ppm	0.0302 ppm	0.0058 ppm	0.0490 ppm	0.0005 ppm	0.0001 ppm	0.1211 ppm
Concentration per Run 3	0.0023 ppm	0.0300 ppm	0.0023 ppm	0.0513 ppm	0.0005 ppm	0.0000 ppm	0.1180 ppm
Concentration RSD	47.7 %	3.7 %	48.1 %	3.8 %	16.6 %	64.9 %	1.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.0000 ppm	-0.0008 ppm	-0.0004 ppm	0.0015 ppm	0.0034 ppm	0.0716 ppm	0.0009 ppm
Concentration per Run 1	0.0000 ppm	-0.0006 ppm	0.0000 ppm	0.0011 ppm	0.0034 ppm	0.0463 ppm	0.0013 ppm
Concentration per Run 2	-0.0001 ppm	-0.0018 ppm	-0.0017 ppm	0.0010 ppm	0.0037 ppm	0.0740 ppm	0.0005 ppm
Concentration per Run 3	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0024 ppm	0.0031 ppm	0.0947 ppm	0.0008 ppm
Concentration RSD	439.1 %	116.2 %	249.3 %	48.5 %	9.6 %	33.9 %	45.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0147 ppm	-0.0001 ppm	-0.0003 ppm	3.8130 ppm	-0.0013 ppm	-0.0008 ppm	-0.0063 ppm
Concentration per Run 1	0.0208 ppm	-0.0001 ppm	-0.0005 ppm	3.7952 ppm	-0.0011 ppm	0.0022 ppm	-0.0030 ppm
Concentration per Run 2	0.0128 ppm	0.0000 ppm	0.0005 ppm	3.8307 ppm	-0.0006 ppm	-0.0020 ppm	-0.0145 ppm
Concentration per Run 3	0.0105 ppm	-0.0001 ppm	-0.0007 ppm	3.8132 ppm	-0.0022 ppm	-0.0027 ppm	-0.0016 ppm
Concentration RSD	37.0 %	65.9 %	239.3 %	0.5 %	63.2 %	318.2 %	111.8 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0037 ppm	0.0464 ppm	0.0002 ppm	0.0009 ppm	-0.0025 ppm	-0.0044 ppm	-0.0019 ppm
Concentration per Run 1	-0.0023 ppm	0.0459 ppm	-0.0017 ppm	0.0008 ppm	-0.0034 ppm	-0.0069 ppm	-0.0021 ppm
Concentration per Run 2	-0.0057 ppm	0.0459 ppm	-0.0008 ppm	0.0008 ppm	-0.0014 ppm	0.0035 ppm	-0.0012 ppm
Concentration per Run 3	-0.0030 ppm	0.0475 ppm	0.0027 ppm	0.0010 ppm	-0.0027 ppm	-0.0097 ppm	-0.0023 ppm
Concentration RSD	49.6 %	2.0 %	902.4 %	15.0 %	40.4 %	160.4 %	30.8 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0006 ppm	100.3030 %	102.9793 %	102.6467 %	100.0840 %	102.0165 %	102.7276 %
Concentration per Run 1	-0.0004 ppm	100.3855 %	102.8220 %	102.5157 %	100.4640 %	101.5734 %	102.7563 %
Concentration per Run 2	-0.0003 ppm	100.4587 %	102.4199 %	102.6853 %	100.0660 %	101.8579 %	102.6034 %
Concentration per Run 3	-0.0011 ppm	100.0646 %	103.6959 %	102.7390 %	99.7222 %	102.6180 %	102.8231 %
Concentration RSD	67.0 %	0.2 %	0.6 %	0.1 %	0.4 %	0.5 %	0.1 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: zL2556026-02D20 WG2112183

Analysis started at: 9/12/2025 4:03:49 PM

Rack 2

Vial 7

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0024 ppm	0.0212 ppm	0.0071 ppm	0.0499 ppm	0.0006 ppm	0.0000 ppm	0.1175 ppm
Concentration per Run 1	0.0037 ppm	0.0164 ppm	0.0069 ppm	0.0505 ppm	0.0006 ppm	0.0000 ppm	0.1217 ppm
Concentration per Run 2	0.0022 ppm	0.0246 ppm	0.0061 ppm	0.0506 ppm	0.0006 ppm	0.0000 ppm	0.1152 ppm
Concentration per Run 3	0.0013 ppm	0.0226 ppm	0.0084 ppm	0.0487 ppm	0.0005 ppm	0.0000 ppm	0.1154 ppm
Concentration RSD	50.1 %	20.3 %	16.3 %	2.2 %	11.4 %	121.1 %	3.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0002 ppm	-0.0019 ppm	0.0004 ppm	0.0006 ppm	0.0017 ppm	0.0709 ppm	0.0013 ppm
Concentration per Run 1	-0.0002 ppm	0.0001 ppm	0.0008 ppm	0.0020 ppm	0.0015 ppm	0.0768 ppm	0.0009 ppm
Concentration per Run 2	-0.0005 ppm	-0.0053 ppm	-0.0010 ppm	0.0010 ppm	0.0011 ppm	0.0725 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	-0.0006 ppm	0.0016 ppm	-0.0014 ppm	0.0024 ppm	0.0633 ppm	0.0022 ppm
Concentration RSD	130.6 %	152.1 %	300.9 %	318.6 %	37.2 %	9.8 %	57.3 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.0154 ppm	0.0000 ppm	-0.0001 ppm	3.6540 ppm	-0.0022 ppm	-0.0025 ppm	-0.0131 ppm
Concentration per Run 1	0.0161 ppm	0.0000 ppm	0.0010 ppm	3.6708 ppm	-0.0016 ppm	-0.0026 ppm	-0.0135 ppm
Concentration per Run 2	0.0155 ppm	-0.0001 ppm	-0.0010 ppm	3.6444 ppm	-0.0024 ppm	-0.0029 ppm	-0.0108 ppm
Concentration per Run 3	0.0146 ppm	0.0000 ppm	-0.0001 ppm	3.6469 ppm	-0.0027 ppm	-0.0020 ppm	-0.0150 ppm
Concentration RSD	4.8 %	175.0 %	1.763.0 %	0.4 %	26.8 %	18.5 %	16.2 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0026 ppm	0.0390 ppm	-0.0002 ppm	0.0009 ppm	-0.0020 ppm	0.0026 ppm	-0.0020 ppm
Concentration per Run 1	-0.0013 ppm	0.0366 ppm	-0.0016 ppm	0.0008 ppm	-0.0019 ppm	0.0045 ppm	-0.0020 ppm
Concentration per Run 2	-0.0036 ppm	0.0426 ppm	-0.0002 ppm	0.0009 ppm	-0.0015 ppm	0.0066 ppm	-0.0018 ppm
Concentration per Run 3	-0.0028 ppm	0.0378 ppm	0.0013 ppm	0.0008 ppm	-0.0026 ppm	-0.0033 ppm	-0.0020 ppm
Concentration RSD	47.2 %	8.1 %	762.9 %	6.5 %	26.9 %	199.4 %	7.4 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0004 ppm	101.0352 %	102.8540 %	104.5071 %	101.1901 %	102.2933 %	104.4175 %
Concentration per Run 1	-0.0001 ppm	101.7149 %	102.6721 %	104.8028 %	101.9475 %	102.0057 %	104.8397 %
Concentration per Run 2	-0.0006 ppm	100.6821 %	103.6115 %	104.6000 %	101.3868 %	103.2960 %	104.8015 %
Concentration per Run 3	-0.0004 ppm	100.7087 %	102.2784 %	104.1184 %	100.2361 %	101.5782 %	103.6113 %
Concentration RSD	77.1 %	0.6 %	0.7 %	0.3 %	0.9 %	0.9 %	0.7 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: L2556026-02 WG2112183

Analysis started at: 9/12/2025 4:08:06 PM

Rack 2

Vial 8

Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.0022 ppm	0.0674 ppm	0.1069 ppm	0.9467 ppm	0.0040 ppm	0.0000 ppm	2.3160 ppm
Concentration per Run 1	0.0024 ppm	0.0654 ppm	0.1043 ppm	0.9515 ppm	0.0039 ppm	0.0000 ppm	2.3265 ppm
Concentration per Run 2	0.0022 ppm	0.0720 ppm	0.1080 ppm	0.9402 ppm	0.0035 ppm	0.0000 ppm	2.1093 ppm
Concentration per Run 3	0.0020 ppm	0.0647 ppm	0.1083 ppm	0.9485 ppm	0.0045 ppm	0.0001 ppm	2.5121 ppm
Concentration RSD	7.2 %	6.0 %	2.1 %	0.6 %	12.4 %	1.719.2 %	8.7 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	-0.0001 ppm	-0.0015 ppm	0.0001 ppm	0.0035 ppm	0.0173 ppm	0.8302 ppm	0.0022 ppm
Concentration per Run 1	-0.0001 ppm	-0.0013 ppm	0.0000 ppm	0.0032 ppm	0.0166 ppm	0.8623 ppm	0.0019 ppm
Concentration per Run 2	-0.0002 ppm	-0.0012 ppm	0.0008 ppm	0.0032 ppm	0.0164 ppm	0.7650 ppm	0.0028 ppm
Concentration per Run 3	0.0001 ppm	-0.0020 ppm	-0.0005 ppm	0.0041 ppm	0.0190 ppm	0.8634 ppm	0.0020 ppm
Concentration RSD	201.4 %	29.1 %	650.6 %	14.3 %	8.1 %	6.8 %	17.6 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.3731 ppm	0.0018 ppm	0.0002 ppm	73.7801 ppm	0.0006 ppm	0.0026 ppm	-0.0109 ppm
Concentration per Run 1	0.3737 ppm	0.0018 ppm	0.0001 ppm	73.6181 ppm	-0.0007 ppm	0.0007 ppm	-0.0112 ppm
Concentration per Run 2	0.3730 ppm	0.0017 ppm	-0.0001 ppm	67.4938 ppm	0.0025 ppm	0.0016 ppm	-0.0041 ppm
Concentration per Run 3	0.3727 ppm	0.0020 ppm	0.0007 ppm	80.2285 ppm	0.0000 ppm	0.0054 ppm	-0.0175 ppm
Concentration RSD	0.1 %	8.2 %	220.3 %	8.6 %	275.1 %	96.2 %	61.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	-0.0048 ppm	1.2193 ppm	0.0001 ppm	0.0167 ppm	-0.0012 ppm	-0.0020 ppm	-0.0015 ppm
Concentration per Run 1	-0.0021 ppm	1.2079 ppm	-0.0015 ppm	0.0167 ppm	-0.0015 ppm	0.0029 ppm	-0.0010 ppm
Concentration per Run 2	-0.0071 ppm	1.2323 ppm	0.0010 ppm	0.0152 ppm	-0.0014 ppm	-0.0049 ppm	-0.0012 ppm
Concentration per Run 3	-0.0050 ppm	1.2176 ppm	0.0007 ppm	0.0182 ppm	-0.0006 ppm	-0.0039 ppm	-0.0025 ppm
Concentration RSD	52.6 %	1.0 %	1.834.8 %	8.8 %	44.1 %	212.5 %	52.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	-0.0007 ppm	103.8507 %	106.4269 %	106.8316 %	103.7174 %	104.4471 %	105.4920 %
Concentration per Run 1	-0.0013 ppm	102.7598 %	105.3506 %	106.9551 %	102.8229 %	103.7760 %	105.4160 %
Concentration per Run 2	-0.0005 ppm	105.0776 %	115.0953 %	107.5738 %	104.6879 %	113.0002 %	105.8218 %
Concentration per Run 3	-0.0004 ppm	103.7148 %	98.8348 %	105.9661 %	103.6413 %	96.5650 %	105.2382 %
Concentration RSD	65.5 %	1.1 %	7.7 %	0.8 %	0.9 %	7.9 %	0.3 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCV
Analysis started at: 9/12/2025 4:14:01 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4957 ppm	0.5710 ppm	0.4985 ppm	0.5049 ppm	0.5494 ppm	0.5603 ppm	0.5524 ppm
Concentration per Run 1	0.4925 ppm	0.5985 ppm	0.4973 ppm	0.5044 ppm	0.5821 ppm	0.5959 ppm	0.5913 ppm
Concentration per Run 2	0.4969 ppm	0.5853 ppm	0.5020 ppm	0.5003 ppm	0.5602 ppm	0.5712 ppm	0.5605 ppm
Concentration per Run 3	0.4977 ppm	0.5291 ppm	0.4963 ppm	0.5100 ppm	0.5058 ppm	0.5138 ppm	0.5053 ppm
Recovery Percentage 1	99.140 %	114.194 %	99.709 %	100.978 %	109.876 %	112.058 %	110.472 %
Concentration RSD	0.6 %	6.4 %	0.6 %	1.0 %	7.2 %	7.5 %	7.9 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5050 ppm	0.5100 ppm	0.5136 ppm	0.5033 ppm	0.5506 ppm	5.7241 ppm	0.5654 ppm
Concentration per Run 1	0.5025 ppm	0.5055 ppm	0.5104 ppm	0.5012 ppm	0.5839 ppm	6.0553 ppm	0.5996 ppm
Concentration per Run 2	0.5044 ppm	0.5111 ppm	0.5167 ppm	0.5029 ppm	0.5628 ppm	5.8303 ppm	0.5727 ppm
Concentration per Run 3	0.5081 ppm	0.5134 ppm	0.5136 ppm	0.5058 ppm	0.5051 ppm	5.2867 ppm	0.5238 ppm
Recovery Percentage 1	100.998 %	102.001 %	102.711 %	100.660 %	110.124 %	114.483 %	113.077 %
Concentration RSD	0.6 %	0.8 %	0.6 %	0.5 %	7.4 %	6.9 %	6.8 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4839 ppm	0.5597 ppm	0.5039 ppm	11.2703 ppm	0.5146 ppm	0.5125 ppm	0.5028 ppm
Concentration per Run 1	0.4816 ppm	0.5947 ppm	0.5017 ppm	11.9505 ppm	0.5126 ppm	0.5112 ppm	0.5011 ppm
Concentration per Run 2	0.4861 ppm	0.5699 ppm	0.5017 ppm	11.4556 ppm	0.5151 ppm	0.5133 ppm	0.5035 ppm
Concentration per Run 3	0.4841 ppm	0.5145 ppm	0.5083 ppm	10.4048 ppm	0.5161 ppm	0.5131 ppm	0.5037 ppm
Recovery Percentage 1	96.786 %	111.944 %	100.788 %	112.703 %	102.922 %	102.502 %	100.554 %
Concentration RSD	0.5 %	7.3 %	0.8 %	7.0 %	0.4 %	0.2 %	0.3 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 282.402 Axial-IFR)
Concentration average	0.5046 ppm	5.2653 ppm	0.4983 ppm	0.5524 ppm	0.5011 ppm	0.5076 ppm	0.5092 ppm
Concentration per Run 1	0.5005 ppm	5.2255 ppm	0.4961 ppm	0.5847 ppm	0.4984 ppm	0.5137 ppm	0.5058 ppm
Concentration per Run 2	0.5026 ppm	5.2703 ppm	0.4974 ppm	0.5635 ppm	0.5015 ppm	0.5018 ppm	0.5091 ppm
Concentration per Run 3	0.5106 ppm	5.3001 ppm	0.5013 ppm	0.5091 ppm	0.5034 ppm	0.5074 ppm	0.5126 ppm
Recovery Percentage 1	100.918 %	100.292 %	99.653 %	110.486 %	100.217 %	101.519 %	101.834 %
Concentration RSD	1.1 %	0.7 %	0.5 %	7.1 %	0.5 %	1.2 %	0.7 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5168 ppm	100.3381 %	95.1900 %	104.0122 %	100.3634 %	93.9457 %	103.2040 %
Concentration per Run 1	0.5122 ppm	100.3871 %	89.9764 %	104.7820 %	100.2842 %	86.1434 %	103.3324 %
Concentration per Run 2	0.5178 ppm	100.3493 %	93.5191 %	103.8989 %	100.3992 %	94.0935 %	103.1352 %
Concentration per Run 3	0.5204 ppm	100.2779 %	102.0744 %	103.3556 %	100.4067 %	101.6002 %	103.1444 %
Recovery Percentage 1	103.357 %	0.1 %	6.5 %	0.7 %	0.1 %	8.2 %	0.1 %
Concentration RSD	0.8 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCB
Analysis started at: 9/12/2025 4:17:18 PM
Rack 0
Vial 4
Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	0.0028 ppm	0.0194 ppm	-0.0010 ppm	0.0039 ppm	0.0003 ppm	0.0001 ppm	-0.0020 ppm
Concentration per Run 1	0.0022 ppm	0.0224 ppm	-0.0033 ppm	0.0070 ppm	0.0003 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 2	0.0032 ppm	0.0190 ppm	0.0007 ppm	0.0016 ppm	0.0003 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run 3	0.0030 ppm	0.0169 ppm	-0.0003 ppm	0.0031 ppm	0.0003 ppm	0.0002 ppm	-0.0036 ppm
Recovery Percentage 1	39.907 %	19.396 %	-19.902 %	13.089 %	3.242 %	3.077 %	-2.001 %
Concentration RSD	18.5 %	14.3 %	208.4 %	70.3 %	8.9 %	29.8 %	71.6 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	0.0002 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm	0.0025 ppm	0.0257 ppm	0.0020 ppm
Concentration per Run 1	0.0001 ppm	-0.0008 ppm	0.0007 ppm	-0.0005 ppm	0.0027 ppm	0.0423 ppm	0.0023 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	0.0003 ppm	0.0032 ppm	0.0226 ppm	0.0013 ppm
Concentration per Run 3	0.0005 ppm	-0.0001 ppm	-0.0006 ppm	0.0008 ppm	0.0015 ppm	0.0121 ppm	0.0024 ppm
Recovery Percentage 1	4.152 %	-2.125 %	-2.287 %	-0.161 %	4.915 %	1.028 %	40.134 %
Concentration RSD	127.2 %	88.4 %	366.4 %	4.257.0 %	35.0 %	59.7 %	29.2 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	-0.0058 ppm	-0.0003 ppm	0.0029 ppm	0.0008 ppm	-0.0015 ppm	-0.0028 ppm	-0.0135 ppm
Concentration per Run 1	-0.0059 ppm	-0.0004 ppm	0.0026 ppm	0.0007 ppm	-0.0015 ppm	-0.0033 ppm	-0.0209 ppm
Concentration per Run 2	-0.0053 ppm	-0.0004 ppm	0.0032 ppm	0.0036 ppm	0.0000 ppm	-0.0050 ppm	-0.0189 ppm
Concentration per Run 3	-0.0062 ppm	-0.0002 ppm	0.0029 ppm	-0.0018 ppm	-0.0029 ppm	-0.0002 ppm	-0.0011 ppm
Recovery Percentage 1	-5.782 %	-3.176 %	5.759 %	0.041 %	-5.816 %	-28.449 %	-27.265 %
Concentration RSD	8.3 %	31.1 %	11.3 %	322.0 %	100.2 %	85.5 %	79.7 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	-0.0020 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	-0.0022 ppm	0.0028 ppm	-0.0014 ppm
Concentration per Run 1	-0.0058 ppm	-0.0017 ppm	0.0000 ppm	0.0000 ppm	-0.0017 ppm	0.0023 ppm	-0.0017 ppm
Concentration per Run 2	0.0024 ppm	0.0035 ppm	0.0002 ppm	0.0001 ppm	-0.0020 ppm	0.0030 ppm	-0.0018 ppm
Concentration per Run 3	-0.0027 ppm	0.0006 ppm	-0.0002 ppm	0.0000 ppm	-0.0029 ppm	0.0030 ppm	-0.0007 ppm
Recovery Percentage 1	-20.199 %	0.159 %	0.037 %	0.607 %	-21.914 %	13.783 %	-14.012 %
Concentration RSD	205.4 %	326.7 %	896.1 %	108.9 %	28.2 %	13.7 %	45.8 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	-0.0007 ppm	97.9092 %	101.5679 %	101.3965 %	99.4499 %	101.7024 %	101.7727 %
Concentration per Run 1	-0.0007 ppm	97.9257 %	100.7552 %	100.7485 %	98.6771 %	100.2968 %	100.6881 %
Concentration per Run 2	-0.0007 ppm	97.8862 %	102.3309 %	102.0427 %	99.3581 %	102.6722 %	100.9077 %
Concentration per Run 3	-0.0008 ppm	97.9158 %	101.6176 %	101.3981 %	100.3144 %	102.1381 %	101.7223 %
Recovery Percentage 1	-14.884 %	0.0 %	0.8 %	0.6 %	0.8 %	1.2 %	1.1 %
Concentration RSD	2.1 %	0.0 %	0.8 %	0.6 %	0.8 %	1.2 %	1.1 %

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

Sample: CCV
Analysis started at: 9/12/2025 4:41:41 PM
Rack 0
Vial 3
Comment: <Comment>

	Ag 328.068 Axial-IFR)	Al 396.152 Radial-IFR)	As 189.042 Axial-eUV)	B 208.959 Axial-IFR)	Ba 455.403 Radial-IFR)	Be 313.042 Radial-IFR)	Ca 315.887 Radial-IFR)
Concentration average	0.4997 ppm	0.5156 ppm	0.5063 ppm	0.5075 ppm	0.5000 ppm	0.5086 ppm	0.4941 ppm
Concentration per Run 1	0.4991 ppm	0.5037 ppm	0.5037 ppm	0.5059 ppm	0.5000 ppm	0.5089 ppm	0.4936 ppm
Concentration per Run 2	0.5012 ppm	0.5189 ppm	0.5137 ppm	0.5025 ppm	0.5013 ppm	0.5100 ppm	0.4937 ppm
Concentration per Run 3	0.4988 ppm	0.5073 ppm	0.5015 ppm	0.5140 ppm	0.4986 ppm	0.5069 ppm	0.4950 ppm
Recovery Percentage 1	99.944 %	103.120 %	101.265 %	101.493 %	99.996 %	101.711 %	98.825 %
Concentration RSD	0.3 %	1.4 %	1.3 %	1.2 %	0.3 %	0.3 %	0.2 %

	Cd 214.438 Axial-IFR)	Co 228.616 Axial-IFR)	Cr 267.716 Axial-IFR)	Cu 324.754 Axial-IFR)	Fe 259.940 Radial-IFR)	K 766.490 Radial-IFR)	Li 670.776 Radial-IFR)
Concentration average	0.5087 ppm	0.5141 ppm	0.5127 ppm	0.5104 ppm	0.5004 ppm	5.2332 ppm	0.5156 ppm
Concentration per Run 1	0.5080 ppm	0.5126 ppm	0.5134 ppm	0.5099 ppm	0.4973 ppm	5.2415 ppm	0.5152 ppm
Concentration per Run 2	0.5097 ppm	0.5157 ppm	0.5118 ppm	0.5108 ppm	0.5014 ppm	5.2553 ppm	0.5165 ppm
Concentration per Run 3	0.5084 ppm	0.5139 ppm	0.5127 ppm	0.5104 ppm	0.5026 ppm	5.2027 ppm	0.5150 ppm
Recovery Percentage 1	101.744 %	102.815 %	102.530 %	102.073 %	100.082 %	104.664 %	103.113 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.1 %	0.6 %	0.5 %	0.2 %

	Mg 279.079 Axial-IFR)	Mn 257.610 Radial-IFR)	Mo 202.030 Axial-IFR)	Na 589.592 Radial-IFR)	Ni 231.604 Axial-IFR)	Pb 220.353 Axial-eUV)	Sb 206.833 Axial-IFR)
Concentration average	0.4903 ppm	0.5045 ppm	0.5096 ppm	0.5096 ppm	0.5149 ppm	0.5156 ppm	0.5110 ppm
Concentration per Run 1	0.4860 ppm	0.5047 ppm	0.5069 ppm	0.5091 ppm	0.5123 ppm	0.5165 ppm	0.5091 ppm
Concentration per Run 2	0.4902 ppm	0.5065 ppm	0.5094 ppm	0.5121 ppm	0.5164 ppm	0.5165 ppm	0.5098 ppm
Concentration per Run 3	0.4948 ppm	0.5022 ppm	0.5125 ppm	0.5159 ppm	0.5137 ppm	0.5137 ppm	0.5140 ppm
Recovery Percentage 1	98.070 %	100.890 %	101.920 %	102.655 %	102.973 %	103.120 %	102.191 %
Concentration RSD	0.9 %	0.4 %	0.5 %	0.3 %	0.4 %	0.3 %	0.5 %

	Se 196.090 Axial-eUV)	Si 212.412 Axial-IFR)	Sn 189.989 Axial-IFR)	Sr 421.552 Radial-IFR)	Ti 334.904 Axial-IFR)	Tl 190.856 Axial-eUV)	V 292.402 Axial-IFR)
Concentration average	0.5098 ppm	5.3466 ppm	0.4957 ppm	0.5019 ppm	0.5020 ppm	0.5087 ppm	0.5129 ppm
Concentration per Run 1	0.5086 ppm	5.3491 ppm	0.4942 ppm	0.5005 ppm	0.5030 ppm	0.5080 ppm	0.5110 ppm
Concentration per Run 2	0.5095 ppm	5.3341 ppm	0.4974 ppm	0.5049 ppm	0.5017 ppm	0.5105 ppm	0.5141 ppm
Concentration per Run 3	0.5112 ppm	5.3567 ppm	0.4956 ppm	0.5002 ppm	0.5013 ppm	0.5075 ppm	0.5137 ppm
Recovery Percentage 1	101.951 %	101.841 %	99.149 %	100.373 %	100.400 %	101.731 %	102.582 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.5 %	0.2 %	0.3 %	0.3 %

	Zn 206.200 Axial-IFR)	Sc 361.384 Axial-IFR)	Sc 361.384 Radial-IFR)	Sc 227.318 Axial-eUV)	Y 360.073 Axial-IFR)	Y 371.030 Radial-IFR)	Y 224.306 Axial-eUV)
Concentration average	0.5187 ppm	99.2766 %	104.2262 %	101.0458 %	99.3863 %	102.4455 %	100.7351 %
Concentration per Run 1	0.5179 ppm	99.9563 %	103.9406 %	101.2305 %	99.6064 %	101.8741 %	101.0581 %
Concentration per Run 2	0.5186 ppm	99.7678 %	104.5951 %	101.3862 %	100.2537 %	103.3068 %	100.6186 %
Concentration per Run 3	0.5197 ppm	98.1059 %	104.1429 %	100.5205 %	98.2987 %	102.1557 %	100.5287 %
Recovery Percentage 1	103.748 %	1.0 %	0.3 %	0.5 %	1.0 %	0.7 %	0.3 %
Concentration RSD	0.2 %						

ICP DataTrace 9

9/12/2025 5:00:33 PM



LabBook: WG2113814_09122025T9.imexp

CCB

Sample: 9/12/2025 4:47:32 PM

Rack 0

Vial 4

Comment: <Comment>

	Ag 328.068 Axial-eUV	Al 396.152 Radial-IFR	As 189.042 Axial-eUV	B 208.959 Axial-IFR	Ba 455.403 Radial-IFR	Be 313.042 Radial-IFR	Ca 315.887 Radial-IFR
Concentration average	0.0020 ppm	0.0187 ppm	0.0008 ppm	0.0024 ppm	0.0003 ppm	0.0001 ppm	-0.0045 ppm
Concentration per Run 1	0.0016 ppm	0.0236 ppm	-0.0005 ppm	0.0030 ppm	0.0002 ppm	0.0001 ppm	-0.0075 ppm
Concentration per Run 2	0.0024 ppm	0.0144 ppm	0.0001 ppm	0.0019 ppm	0.0004 ppm	0.0001 ppm	-0.0043 ppm
Concentration per Run 3	0.0021 ppm	0.0180 ppm	0.0027 ppm	0.0023 ppm	0.0003 ppm	0.0000 ppm	-0.0017 ppm
Recovery Percentage 1	28.788 %	18.675 %	15.110 %	7.969 %	2.861 %	2.106 %	-4.488 %
Concentration RSD	20.2 %	24.9 %	224.3 %	22.7 %	23.8 %	61.2 %	65.0 %

	Cd 214.438 Axial-IFR	Co 228.616 Axial-IFR	Cr 267.716 Axial-IFR	Cu 324.754 Axial-IFR	Fe 259.940 Radial-IFR	K 766.490 Radial-IFR	Li 670.776 Radial-IFR
Concentration average	-0.0002 ppm	0.0000 ppm	-0.0015 ppm	-0.0008 ppm	0.0022 ppm	0.0235 ppm	0.0022 ppm
Concentration per Run 1	-0.0001 ppm	-0.0009 ppm	-0.0024 ppm	-0.0015 ppm	0.0024 ppm	0.0346 ppm	0.0023 ppm
Concentration per Run 2	-0.0001 ppm	0.0024 ppm	-0.0008 ppm	-0.0008 ppm	0.0018 ppm	0.0322 ppm	0.0019 ppm
Concentration per Run 3	-0.0003 ppm	-0.0015 ppm	-0.0024 ppm	-0.0001 ppm	0.0021 ppm	0.0038 ppm	0.0018 ppm
Recovery Percentage 1	-3.176 %	-0.001 %	-14.818 %	-7.654 %	4.493 %	0.940 %	43.712 %
Concentration RSD	77.7 %	992.799 0 %	103.2 %	89.1 %	25.0 %	72.9 %	28.3 %

	Mg 279.079 Axial-IFR	Mn 257.610 Radial-IFR	Mo 202.030 Axial-IFR	Na 589.592 Radial-IFR	Ni 231.604 Axial-IFR	Pb 220.353 Axial-eUV	Sb 206.833 Axial-IFR
Concentration average	-0.0081 ppm	-0.0003 ppm	0.0024 ppm	0.0036 ppm	-0.0008 ppm	-0.0024 ppm	-0.0101 ppm
Concentration per Run 1	-0.0038 ppm	-0.0004 ppm	0.0032 ppm	0.0017 ppm	0.0010 ppm	-0.0034 ppm	-0.0117 ppm
Concentration per Run 2	-0.0097 ppm	-0.0003 ppm	0.0015 ppm	0.0033 ppm	-0.0014 ppm	0.0006 ppm	-0.0094 ppm
Concentration per Run 3	-0.0107 ppm	-0.0002 ppm	0.0026 ppm	0.0056 ppm	-0.0018 ppm	-0.0045 ppm	-0.0092 ppm
Recovery Percentage 1	-8.081 %	-3.054 %	4.871 %	0.178 %	-3.011 %	-24.233 %	-20.188 %
Concentration RSD	46.3 %	34.1 %	35.0 %	55.9 %	198.7 %	109.0 %	13.8 %

	Se 196.090 Axial-eUV	Si 212.412 Axial-IFR	Sn 189.989 Axial-IFR	Sr 421.552 Radial-IFR	Ti 334.904 Axial-IFR	Tl 190.856 Axial-eUV	V 292.402 Axial-IFR
Concentration average	-0.0035 ppm	-0.0025 ppm	0.0003 ppm	0.0000 ppm	-0.0018 ppm	-0.0061 ppm	-0.0016 ppm
Concentration per Run 1	-0.0031 ppm	-0.0035 ppm	-0.0003 ppm	0.0000 ppm	-0.0015 ppm	-0.0063 ppm	-0.0023 ppm
Concentration per Run 2	-0.0021 ppm	-0.0027 ppm	0.0015 ppm	0.0000 ppm	-0.0014 ppm	-0.0040 ppm	-0.0012 ppm
Concentration per Run 3	-0.0053 ppm	-0.0014 ppm	-0.0004 ppm	0.0001 ppm	-0.0027 ppm	-0.0078 ppm	-0.0013 ppm
Recovery Percentage 1	-35.103 %	-0.505 %	0.526 %	0.274 %	-18.433 %	-30.255 %	-16.094 %
Concentration RSD	45.2 %	42.7 %	399.0 %	143.9 %	38.3 %	32.2 %	35.1 %

	Zn 206.200 Axial-IFR	Sc 361.384 Axial-IFR	Sc 361.384 Radial-IFR	Sc 227.318 Axial-eUV	Y 360.073 Axial-IFR	Y 371.030 Radial-IFR	Y 224.306 Axial-eUV
Concentration average	-0.0002 ppm	97.3435 %	100.7032 %	101.0164 %	98.3815 %	100.8758 %	101.0791 %
Concentration per Run 1	-0.0003 ppm	97.0807 %	104.3783 %	101.1168 %	98.2952 %	103.6419 %	100.3315 %
Concentration per Run 2	-0.0003 ppm	96.4562 %	97.9575 %	100.4689 %	97.4512 %	98.6802 %	100.9079 %
Concentration per Run 3	-0.0001 ppm	98.4937 %	99.7738 %	101.4634 %	99.3981 %	100.3054 %	101.9978 %
Recovery Percentage 1	-4.004 %	1.1 %	3.3 %	0.5 %	1.0 %	2.5 %	0.8 %
Concentration RSD	63.5 %						

QC True Values: ICP

	Element	True Value (mg/L)		Element	True Value (mg/L)
ICV/CCV	Al	0.50	CRI	Al	0.40
	K	5.00		Sb	0.10
	Na	10.00		As	0.02
	Si	5.25		Ba	0.04
ICSA				Be	0.01
	Al	250		Bi	0.02
	Ca	250		B	0.10
	Fe	100		Cd	0.01
ICSB	Mg	250		Ca	0.40
				Cr	0.02
	Al	9.00		Co	0.10
	Sb	1.00		Cu	0.05
	As	1.00		Fe	0.20
	Ba	0.30		Pb	0.05
	Be	0.10		Mg	0.40
	Bi	1.00		Mn	0.03
	B	0.50		Mo	0.10
	Cd	0.30		Ni	0.08
	Ca	45.00		K	5.00
	Cr	0.30		Se	0.02
	Co	0.30		Si	1.00
	Cu	0.30		Ag	0.02
	Fe	37.50		Na	5.00
	Pb	1.00		Sr	0.02
	Mg	22.50		Tl	0.02
	Mn	0.20		Sn	0.02
	Mo	0.30		Ti	0.02
	Ni	0.30		V	0.10
	K	20.00		Zn	0.04
	Se	0.50			
	Si	1.23			
	Ag	0.30			
	Na	7.50			
	Sr	1.00			
	Tl	1.00			
	Sn	1.00			
	Ti	1.00			
	V	0.30			
	Zn	0.30			

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

LCS and MS Spike Concentrations—As of 08/09/2011

Element	Liquid Concentration(mg/L)	Soil Concentration (mg/kg)
Al	2.00	160
Sb	0.50	40
As	0.12	9.6
Ba	2.00	160
Be	0.05	4.0
Bi	1.00	80
B	1.00	80
Cd	0.051	4.08
Ca	10.0	800
Cr	0.20	16
Co	0.50	40
Cu	0.25	20
Fe	1.00	80
Pb	0.51	40.8
Mg	10.0	800
Mn	0.50	40
Mo	1.00	80
Ni	0.50	40
K	10.0	800
Se	0.12	9.6
Si	1.00	80
Ag	0.05	24
Na	10.0	800
Sr	1.00	80
Tl	0.12	9.6
Sn	1.00	80
Ti	1.00	80
V	0.50	40
Zn	0.50	40

Revised 8/9/11 Soil spike is based on (2x water spike)x(50/1.25), where 50 is the final volume of soil digestate and 1.25 is the nominal digestion weight of 1.25g, except in the case of Ag, where additional Ag is added to the spike.

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck




ISO/IEC GUIDE 34:2009

ISO/IEC 17025:2005



Page 3 of 3 Lot: D102-540

Certificate of Analysis

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

Certificate of Analysis

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAP proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAP compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

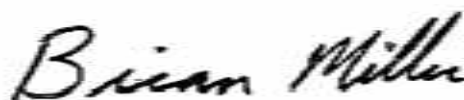
If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck





▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No.: D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

▪ **Certificate of Analysis** ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material})/(\% \text{ recovery NIST SRM})]*100$
 The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION



Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

Page 1 of 4 Lot: D113-540

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k \cdot \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] \times 100$
 The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.





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Certified Reference Material

• Certificate of Analysis •

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

Page 1 of 4 Lot: D126-540

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▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}}^2) + (U_{\text{homogen}}^2) + (U_{\text{LTS}}^2) + (U_{\text{STS}}^2) + (U_{\text{RSS}}^2))$$

Where:

 - U_{expanded} = Expanded uncertainty.
 - k = Coverage factor.
 - U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 - U_{homogen} = Standard uncertainty of the homogeneity assessment.
 - U_{LTS} = Standard uncertainty associated with long-term stability.
 - U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 - U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$
 The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.



Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration ($\mu\text{g/L}$). This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})}{A}$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{\text{solids}}}$$

Where:

$\%_{\text{solids}}$ = Percent Solids, as a decimal value

Sequence Trace 11

9/12/2025 5:49:08 AM



LabBook: WG2113372_20250911_T11.imexp

Summary

Index	Label	Rack Number	Vial Numbers	Start Time
1	XBlank DHL Trace11	0	1	9/11/2025 8:45:28 AM
2	Blank DHL Trace11	0	1	9/11/2025 8:47:34 AM
3	ICAL	0	2	9/11/2025 8:49:39 AM
4	ICV	0	3	9/11/2025 8:51:44 AM
5	ICB	0	4	9/11/2025 8:53:48 AM
6	ICV	0	10	9/11/2025 8:59:31 AM
7	ICB	0	4	9/11/2025 9:01:38 AM
8	LLOQ	0	5	9/11/2025 9:03:42 AM
9	ICSA	0	6	9/11/2025 9:05:47 AM
10	SIC Multi	0	7	9/11/2025 9:20:43 AM
11	LDR Check	0	8	9/11/2025 9:22:59 AM
12	LLOQ .005	1	1	9/11/2025 9:37:23 AM
13	xLLOQ .01	1	2	9/11/2025 9:39:39 AM
14	LLOQ .05	1	3	9/11/2025 9:41:43 AM
15	LDR As 5	1	4	9/11/2025 9:43:48 AM
16	Wrong spot	1	6	9/11/2025 9:52:35 AM
17	xLLOQ .005 As only	1	5	9/11/2025 9:53:35 AM
18	xLLOQ	0	5	9/11/2025 9:56:36 AM
19	skipping	1	6	9/11/2025 9:58:42 AM
20	LLOQ .01 As only	1	7	9/11/2025 10:02:56 AM
21	CCV	0	3	9/11/2025 10:05:50 AM
22	CCB	0	4	9/11/2025 10:07:54 AM
23	WG2112933-1 WG2112933	1	8	9/11/2025 10:15:02 AM
24	WG2112933-2d2 WG2112933	1	9	9/11/2025 10:17:18 AM
25	L2553224-03dd2 WG2112933	1	15	9/11/2025 10:19:23 AM
26	L2556592-01d2 WG2112933	1	16	9/11/2025 10:21:28 AM
27	L2556592-02d2 WG2112933	1	17	9/11/2025 10:23:32 AM
28	L2555946-03d2 WG2112933	1	10	9/11/2025 10:25:37 AM
29	WG2112933-3d2 WG2112933	1	11	9/11/2025 10:27:42 AM
30	WG2112933-4d2 WG2112933	1	12	9/11/2025 10:29:46 AM
31	WG2112933-5d2 WG2112933	1	13	9/11/2025 10:31:51 AM
32	WG2112933-6d10 WG2112933	1	14	9/11/2025 10:33:56 AM
33	CCV	0	3	9/11/2025 10:36:01 AM
34	CCB	0	4	9/11/2025 10:38:05 AM
35	WG2113296-1 WG2113296	1	20	9/11/2025 10:49:34 AM
36	WG2113296-2d2 WG2113296	1	21	9/11/2025 10:51:50 AM
37	I2557068-07d2 WG2113296	1	27	9/11/2025 10:53:55 AM
38	LDR Ba 20	1	19	9/11/2025 10:55:59 AM
39	L2556592-03d2 WG2112933	1	18	9/11/2025 10:58:04 AM
40	I2557068-22d2 WG2113296	1	22	9/11/2025 11:00:09 AM
41	WG2113296-3d2 WG2113296	1	23	9/11/2025 11:02:15 AM
42	xWG2113296-4d2 WG2113296	1	24	9/11/2025 11:04:20 AM
43	WG2113296-5d2 WG2113296	1	25	9/11/2025 11:06:25 AM
44	WG2113296-6d10 WG2113296	1	26	9/11/2025 11:08:30 AM
45	CCV	0	3	9/11/2025 11:10:35 AM
46	CCB	0	4	9/11/2025 11:12:40 AM
47	LDR Fe 300	1	33	9/11/2025 11:22:23 AM
48	WG2113296-4d2 WG2113296	1	32	9/11/2025 11:24:39 AM
49	I2557068-10d2 WG2113296	1	28	9/11/2025 11:26:44 AM
50	I2557068-16d2 WG2113296	1	29	9/11/2025 11:28:49 AM
51	I2557068-23d2 WG2113296	1	30	9/11/2025 11:30:55 AM
52	LDR Fe 400	1	34	9/11/2025 11:52:56 AM
53	I2557068-54d2 WG2113296	1	31	9/11/2025 11:55:12 AM
54	CCV	0	3	9/11/2025 11:57:17 AM
55	CCB	0	4	9/11/2025 11:59:22 AM
56	L2554192-01d20 WG2111349	1	35	9/11/2025 1:02:47 PM
57	L2554192-06d8 WG2111349	1	36	9/11/2025 1:05:03 PM
58	L2554307-04d2 WG2111349	1	37	9/11/2025 1:07:08 PM
59	L2554307-05d2 WG2111349	1	38	9/11/2025 1:09:13 PM
60	L2554307-06d2 WG2111349	1	39	9/11/2025 1:11:18 PM
61	L2554307-07d2 WG2111349	1	40	9/11/2025 1:13:22 PM
62	L2554307-08d2 WG2111349	1	41	9/11/2025 1:15:28 PM
63	L2554307-09d2 WG2111349	1	42	9/11/2025 1:17:32 PM
64	L2554307-10d2 WG2111349	1	43	9/11/2025 1:19:37 PM
65	L2555532-02d2 WG2111349	1	44	9/11/2025 1:21:42 PM
66	CCV	0	3	9/11/2025 1:23:47 PM
67	CCB	0	4	9/11/2025 1:25:52 PM

Sequence Trace 11

9/12/2025 5:49:08 AM



Index	Label	Rack Number	Vial Numbers	Start Time
68	LDR Ca 700	1	46	9/11/2025 1:46:13 PM
69	L2555707-01d2 WG2111349	1	45	9/11/2025 1:48:24 PM
70	CCV	0	3	9/11/2025 1:58:38 PM
71	CCB	0	4	9/11/2025 2:00:53 PM
72	WG2110788-1 WG2110788	1	50	9/11/2025 2:13:12 PM
73	eWG2110788-2d2 WG2110788	1	51	9/11/2025 2:15:28 PM
74	I2553999-01d2 WG2108897	1	47	9/11/2025 2:17:33 PM
75	I2553999-02d2 WG2108897	1	48	9/11/2025 2:19:38 PM
76	I2553999-03d2 WG2108897	1	49	9/11/2025 2:21:43 PM
77	L2554000-03d2 WG2110788	1	52	9/11/2025 2:23:48 PM
78	WG2110788-3d2 WG2110788	1	53	9/11/2025 2:25:53 PM
79	WG2110788-4d2 WG2110788	1	54	9/11/2025 2:27:58 PM
80	WG2110788-5d2 WG2110788	1	55	9/11/2025 2:30:03 PM
81	WG2110788-6d10 WG2110788	1	56	9/11/2025 2:32:08 PM
82	CCV	0	3	9/11/2025 2:34:13 PM
83	CCB	0	4	9/11/2025 2:36:18 PM
84	L2553934-19d2 WG2110788	2	2	9/11/2025 2:38:24 PM
85	L2553984-01d2 WG2110788	2	3	9/11/2025 2:40:29 PM
86	L2553984-03d2 WG2110788	2	4	9/11/2025 2:42:34 PM
87	L2553988-09d2 WG2110788	2	5	9/11/2025 2:44:39 PM
88	L2553988-14d2 WG2110788	2	6	9/11/2025 2:46:45 PM
89	L2553994-03d2 WG2110788	1	57	9/11/2025 2:48:50 PM
90	WG2110788-7d2 WG2110788	1	58	9/11/2025 2:50:55 PM
91	WG2110788-8d2 WG2110788	1	59	9/11/2025 2:53:00 PM
92	WG2110788-9d2 WG2110788	1	60	9/11/2025 2:55:05 PM
93	WG2110788-10d10 WG2110788	2	1	9/11/2025 2:57:10 PM
94	CCV	0	3	9/11/2025 2:59:16 PM
95	CCB	0	4	9/11/2025 3:01:22 PM
96	L2553988-16d2 WG2110788	2	7	9/11/2025 3:09:49 PM
97	L2553988-20d2 WG2110788	2	8	9/11/2025 3:12:01 PM
98	L2553988-23d2 WG2110788	2	9	9/11/2025 3:14:06 PM
99	L2553994-01d2 WG2110788	2	10	9/11/2025 3:16:11 PM
100	L2553994-02d2 WG2110788	2	11	9/11/2025 3:18:16 PM
101	L2553994-05d2 WG2110788	2	12	9/11/2025 3:20:22 PM
102	L2553994-07d2 WG2110788	2	13	9/11/2025 3:31:43 PM
103	L2553994-09d2 WG2110788	2	14	9/11/2025 3:33:55 PM
104	L2554022-01d2 WG2110788	2	19	9/11/2025 3:36:01 PM
105	CCV	0	3	9/11/2025 3:38:06 PM
106	CCB	0	4	9/11/2025 3:40:12 PM
107	CCV	0	3	9/11/2025 4:03:17 PM
108	CCB	0	4	9/11/2025 4:05:33 PM
109	LLOQ 005 AS	2	20	9/11/2025 4:11:05 PM
110	I2553987-06 WG2108398	2	21	9/11/2025 4:23:56 PM
111	WG2108398-7 WG2108398	2	22	9/11/2025 4:26:13 PM
112	WG2108398-8 WG2108398	2	23	9/11/2025 4:28:18 PM
113	WG2108398-9 WG2108398	2	24	9/11/2025 4:30:24 PM
114	WG2108398-10d5 WG2108398	2	25	9/11/2025 4:32:30 PM
115	I2553978-01 WG2108398	2	26	9/11/2025 4:34:36 PM
116	I2553978-02 WG2108398	2	27	9/11/2025 4:36:41 PM
117	I2553978-03 WG2108398	2	28	9/11/2025 4:38:47 PM
118	I2553987-01 WG2108398	2	29	9/11/2025 4:40:52 PM
119	CCV	0	3	9/11/2025 4:42:58 PM
120	CCB	0	4	9/11/2025 4:45:04 PM
121	WG2112183-1 WG2112183	2	33	9/11/2025 4:48:56 PM
122	WG2112183-2 WG2112183	2	34	9/11/2025 4:51:02 PM
123	I2553987-02 WG2108398	2	30	9/11/2025 4:53:08 PM
124	I2553987-03 WG2108398	2	31	9/11/2025 4:55:13 PM
125	I2553987-04 WG2108398	2	32	9/11/2025 4:57:19 PM
126	L2555375-01 WG2112183	2	35	9/11/2025 4:59:25 PM
127	WG2112183-3 WG2112183	2	36	9/11/2025 5:01:30 PM
128	WG2112183-4 WG2112183	2	37	9/11/2025 5:03:35 PM
129	WG2112183-5 WG2112183	2	38	9/11/2025 5:05:40 PM
130	WG2112183-6d5 WG2112183	2	39	9/11/2025 5:07:46 PM
131	CCV	0	3	9/11/2025 5:09:51 PM
132	CCB	0	4	9/11/2025 5:11:56 PM
133	CCV	0	3	9/11/2025 5:29:11 PM
134	CCB	0	4	9/11/2025 5:51:17 PM
135	WG2110788-2d2 WG2110788	2	44	9/11/2025 5:55:20 PM
136	L2555135-01 WG2112183	2	40	9/11/2025 5:58:09 PM
137	L2555148-01 WG2112183	2	41	9/11/2025 6:00:15 PM
138	L2555433-01 WG2112183	2	42	9/11/2025 6:02:21 PM
139	L2555433-02 WG2112183	2	43	9/11/2025 6:04:27 PM
140	xL2554192-06d2 WG2111349	2	45	9/11/2025 6:12:32 PM

Sequence Trace 11

9/12/2025 5:49:08 AM



Index	Label	Rack Number	Vial Numbers	Start Time
141	CCV	0	3	9/11/2025 6:15:00 PM
142	CCB	0	4	9/11/2025 6:17:05 PM
143	WG2112034-2 WG2112034	2	46	9/11/2025 6:38:11 PM
144	CCV	0	3	9/11/2025 6:40:27 PM
145	CCB	0	4	9/11/2025 6:42:33 PM
146	WG2112482-1 WG2112482	2	47	9/11/2025 7:01:31 PM
147	WG2112482-2 WG2112482	2	48	9/11/2025 7:03:47 PM
148	L2556190-08 WG2112482	2	49	9/11/2025 7:05:53 PM
149	WG2112482-3 WG2112482	2	50	9/11/2025 7:08:00 PM
150	WG2112482-4 WG2112482	2	51	9/11/2025 7:10:06 PM
151	WG2112482-5 WG2112482	2	52	9/11/2025 7:12:12 PM
152	WG2112482-6d5 WG2112482	2	53	9/11/2025 7:15:48 PM
153	CCV	0	3	9/11/2025 7:17:58 PM
154	CCB	0	4	9/11/2025 7:20:04 PM
155	zWG2112183-1 WG2112183	3	17	9/11/2025 7:22:32 PM
156	CCV	0	3	9/11/2025 7:24:43 PM
157	CCB	0	4	9/11/2025 7:26:48 PM
158	L2556190-17 WG2112482	3	14	9/11/2025 7:28:54 PM
159	L2556190-18 WG2112482	3	15	9/11/2025 7:31:00 PM
160	L2556190-19 WG2112482	3	16	9/11/2025 7:33:06 PM
161	L2556190-04 WG2112482	2	54	9/11/2025 7:35:12 PM
162	WG2112482-7 WG2112482	2	55	9/11/2025 7:37:18 PM
163	WG2112482-8 WG2112482	2	56	9/11/2025 7:39:24 PM
164	WG2112482-9 WG2112482	2	57	9/11/2025 7:41:30 PM
165	WG2112482-10d5 WG2112482	2	58	9/11/2025 7:43:37 PM
166	L2556120-01 WG2112482	2	59	9/11/2025 7:45:43 PM
167	L2556190-01 WG2112482	2	60	9/11/2025 7:47:49 PM
168	CCV	0	3	9/11/2025 7:49:55 PM
169	CCB	0	4	9/11/2025 7:52:02 PM
170	L2556190-02 WG2112482	3	1	9/11/2025 7:54:42 PM
171	L2556190-03 WG2112482	3	2	9/11/2025 7:56:53 PM
172	L2556190-05 WG2112482	3	3	9/11/2025 7:59:00 PM
173	L2556190-06 WG2112482	3	4	9/11/2025 8:20:34 PM
174	L2556190-07 WG2112482	3	5	9/11/2025 8:22:46 PM
175	L2556190-09 WG2112482	3	6	9/11/2025 8:24:53 PM
176	L2556190-10 WG2112482	3	7	9/11/2025 8:26:59 PM
177	L2556190-11 WG2112482	3	8	9/11/2025 8:29:05 PM
178	L2556190-12 WG2112482	3	9	9/11/2025 8:31:11 PM
179	L2556190-13 WG2112482	3	10	9/11/2025 8:33:17 PM
180	CCV	0	3	9/11/2025 8:35:24 PM
181	CCB	0	4	9/11/2025 8:37:30 PM
182	L2556190-14 WG2112482	3	11	9/11/2025 8:51:12 PM
183	L2556190-15 WG2112482	3	12	9/11/2025 8:53:28 PM
184	L2556190-16 WG2112482	3	13	9/11/2025 8:55:35 PM
185	I2555909-01d2 WG2111959	3	18	9/11/2025 8:58:49 PM
186	I2555909-02d2 WG2111959	3	19	9/11/2025 9:00:56 PM
187	I2555909-03d2 WG2111959	3	20	9/11/2025 9:03:02 PM
188	I2555909-04d2 WG2111959	3	21	9/11/2025 9:05:08 PM
189	I2555909-05d2 WG2111959	3	22	9/11/2025 9:07:14 PM
190	I2555909-06d2 WG2111959	3	23	9/11/2025 9:09:20 PM
191	I2555909-07d2 WG2111959	3	24	9/11/2025 9:11:26 PM
192	CCV	0	3	9/11/2025 9:13:33 PM
193	CCB	0	4	9/11/2025 9:15:39 PM
194	I2555976-01d2 WG2111959	3	25	9/11/2025 9:20:48 PM
195	L2555679-01d2 WG2112634	3	26	9/11/2025 9:23:18 PM
196	L2555679-03d2 WG2112634	3	27	9/11/2025 9:25:24 PM
197	L2555680-01d2 WG2112634	3	28	9/11/2025 9:27:31 PM
198	L2555680-02d2 WG2112634	3	29	9/11/2025 9:29:37 PM
199	L2555680-03d2 WG2112634	3	30	9/11/2025 9:31:43 PM
200	L2555680-04d2 WG2112634	3	31	9/11/2025 9:33:49 PM
201	L2555680-05d2 WG2112634	3	32	9/11/2025 9:35:55 PM
202	L2556217-01d2 WG2112634	3	33	9/11/2025 9:38:01 PM
203	L2556217-02d2 WG2112634	3	34	9/11/2025 9:40:07 PM
204	CCV	0	3	9/11/2025 9:42:14 PM
205	CCB	0	4	9/11/2025 9:44:20 PM
206	L2556217-05d2 WG2112634	3	35	9/11/2025 9:50:26 PM
207	L2556217-06d2 WG2112634	3	36	9/11/2025 9:52:41 PM
208	L2556217-10d2 WG2112634	3	37	9/11/2025 9:54:47 PM
209	L2556217-11d2 WG2112634	3	38	9/11/2025 9:56:54 PM
210	L2556217-14d2 WG2112634	3	39	9/11/2025 9:59:00 PM
211	CCV	0	3	9/11/2025 10:01:52 PM
212	CCB	0	4	9/11/2025 10:03:59 PM
213	WG2111279-1 WG2111279	3	40	9/11/2025 10:14:22 PM

Sequence Trace 11

9/12/2025 5:49:08 AM



Index	Label	Rack Number	Vial Numbers	Start Time
214	WG2111279-2d2 WG2111279	3	41	9/11/2025 10:16:40 PM
215	WG2111279-3d2 WG2111279	3	42	9/11/2025 10:20:14 PM
216	L2555667-01d2 WG2111279	3	43	9/11/2025 10:22:21 PM
217	L2555667-03d2 WG2111279	3	44	9/11/2025 10:24:27 PM
218	L2555667-05d2 WG2111279	3	45	9/11/2025 10:26:33 PM
219	L2555667-07d2 WG2111279	3	46	9/11/2025 10:28:40 PM
220	L2555667-13d2 WG2111279	3	47	9/11/2025 10:30:47 PM
221	L2555667-17d2 WG2111279	3	48	9/11/2025 10:32:54 PM
222	L2555667-19d2 WG2111279	3	49	9/11/2025 10:35:00 PM
223	CCV	0	3	9/11/2025 10:37:07 PM
224	CCB	0	4	9/11/2025 10:39:13 PM
225	L2555667-21d2 WG2111279	3	50	9/11/2025 10:42:49 PM
226	L2555667-23d2 WG2111279	3	51	9/11/2025 10:45:00 PM
227	L2555667-25d2 WG2111279	3	52	9/11/2025 10:47:07 PM
228	L2555667-27d2 WG2111279	3	53	9/11/2025 10:49:14 PM
229	L2555667-31d2 WG2111279	3	54	9/11/2025 10:51:20 PM
230	L2555667-33d2 WG2111279	3	55	9/11/2025 10:53:27 PM
231	L2555667-35d2 WG2111279	3	56	9/11/2025 10:55:34 PM
232	L2555667-37d2 WG2111279	3	57	9/11/2025 10:57:41 PM
233	L2555667-39d2 WG2111279	3	58	9/11/2025 10:59:48 PM
234	L2555667-45d2 WG2111279	3	59	9/11/2025 11:01:55 PM
235	CCV	0	3	9/11/2025 11:04:01 PM
236	CCB	0	4	9/11/2025 11:06:08 PM
237	L2555667-47d2 WG2111279	3	60	9/11/2025 11:08:15 PM
238	L2555667-49d2 WG2111279	4	1	9/11/2025 11:10:21 PM
239	L2555667-51d2 WG2111279	4	2	9/11/2025 11:12:28 PM
240	L2555680-01d4 WG2112634	4	3	9/11/2025 11:14:35 PM
241	L2555680-02d4 WG2112634	4	4	9/11/2025 11:16:41 PM
242	L2555680-03d4 WG2112634	4	5	9/11/2025 11:18:48 PM
243	L2555680-04d4 WG2112634	4	6	9/11/2025 11:20:55 PM
244	L2555680-05d4 WG2112634	4	7	9/11/2025 11:23:01 PM
245	L2556217-06d4 WG2112634	4	8	9/11/2025 11:25:08 PM
246	CCV	0	3	9/11/2025 11:27:15 PM
247	CCB	0	4	9/11/2025 11:29:21 PM
248	CCV	0	3	9/11/2025 11:31:28 PM
249	CCB	0	4	9/11/2025 11:33:35 PM

Sequence Trace 11

9/13/2025 9:31:59 AM



LabBook: WG2113852_20250912_T11.imexp

Summary

Index	Label	Rack Number	Vial Numbers	Start Time
1	XBlank EFM Trace11	0	1	9/12/2025 7:37:02 AM
2	Blank EFM Trace11	0	1	9/12/2025 7:39:06 AM
3	ICAL	0	2	9/12/2025 7:41:10 AM
4	ICV	0	3	9/12/2025 7:43:14 AM
5	ICB	0	4	9/12/2025 7:45:18 AM
6	ICV	0	10	9/12/2025 7:49:03 AM
7	ICB	0	4	9/12/2025 7:51:07 AM
8	LLOQ	0	5	9/12/2025 7:53:12 AM
9	ICSA	0	6	9/12/2025 7:59:41 AM
10	SIC Multi	0	7	9/12/2025 8:05:44 AM
11	LDR Check	0	8	9/12/2025 8:07:56 AM
12	LLOQ .005	1	1	9/12/2025 8:47:38 AM
13	LLOQ .01	1	2	9/12/2025 8:49:53 AM
14	LLOQ .05	1	3	9/12/2025 8:51:57 AM
15	LDR As 5	1	4	9/12/2025 8:54:02 AM
16	LDR Fe 200	1	5	9/12/2025 8:56:06 AM
17	CCV	0	3	9/12/2025 9:10:30 AM
18	CCB	0	4	9/12/2025 9:12:41 AM
19	WG2109640-1 WG2109640	1	6	9/12/2025 9:38:53 AM
20	WG2109640-2 WG2109640	1	7	9/12/2025 9:41:15 AM
21	L2554341-02 WG2109640	1	13	9/12/2025 9:43:19 AM
22	L2554341-03 WG2109640	1	14	9/12/2025 9:45:23 AM
23	L2554341-04 WG2109640	1	15	9/12/2025 9:47:30 AM
24	L2554341-01 WG2109640	1	8	9/12/2025 9:49:34 AM
25	WG2109640-3 WG2109640	1	9	9/12/2025 9:51:39 AM
26	WG2109640-4 WG2109640	1	10	9/12/2025 9:53:43 AM
27	WG2109640-5 WG2109640	1	11	9/12/2025 9:55:48 AM
28	WG2109640-6d5 WG2109640	1	12	9/12/2025 9:57:52 AM
29	CCV	0	3	9/12/2025 9:59:58 AM
30	CCB	0	4	9/12/2025 10:02:02 AM
31	L2554341-05 WG2109640	1	16	9/12/2025 10:18:08 AM
32	L2554341-06 WG2109640	1	17	9/12/2025 10:20:21 AM
33	L2554341-07 WG2109640	1	18	9/12/2025 10:22:25 AM
34	L2554341-08 WG2109640	1	19	9/12/2025 10:24:30 AM
35	L2554341-09 WG2109640	1	20	9/12/2025 10:26:34 AM
36	CCV	0	3	9/12/2025 10:28:39 AM
37	CCB	0	4	9/12/2025 10:30:44 AM
38	WG2113864-1 WG2113864	1	21	9/12/2025 11:39:24 AM
39	WG2113864-2d2 WG2113864	1	22	9/12/2025 11:41:40 AM
40	L2557332-01d2 WG2113864	1	28	9/12/2025 11:43:44 AM
41	L2557379-02d2 WG2113864	1	29	9/12/2025 11:45:49 AM
42	eL2557480-04d2 WG2113864	1	23	9/12/2025 11:47:54 AM
43	eWG2113864-3d2 WG2113864	1	24	9/12/2025 11:49:59 AM
44	eWG2113864-4d2 WG2113864	1	25	9/12/2025 11:52:03 AM
45	eWG2113864-5d2 WG2113864	1	26	9/12/2025 11:54:08 AM
46	eWG2113864-6d10 WG2113864	1	27	9/12/2025 11:56:13 AM
47	CCV	0	3	9/12/2025 11:58:18 AM
48	CCB	0	4	9/12/2025 12:00:23 PM
49	LDR Fe 300	1	30	9/12/2025 12:25:21 PM
50	L2500778-207d5 WG2113864	1	31	9/12/2025 12:27:36 PM
51	WG2113864-3d5 WG2113864	1	32	9/12/2025 12:29:41 PM
52	WG2113864-4d5 WG2113864	1	33	9/12/2025 12:31:46 PM
53	WG2113864-5d5 WG2113864	1	34	9/12/2025 12:33:50 PM
54	WG2113864-6d25 WG2113864	1	35	9/12/2025 12:35:55 PM
55	CCV	0	3	9/12/2025 12:37:59 PM
56	CCB	0	4	9/12/2025 12:40:04 PM
57	WG2111844-1 WG2111844	1	36	9/12/2025 12:44:50 PM
58	WG2111844-2 WG2111844	1	37	9/12/2025 12:47:00 PM
59	L2555806-01 WG2111844	1	43	9/12/2025 12:49:05 PM
60	L2555806-02 WG2111844	1	44	9/12/2025 12:51:09 PM
61	L2555806-03 WG2111844	1	45	9/12/2025 12:53:14 PM
62	L2555806-05 WG2111844	1	38	9/12/2025 12:55:19 PM
63	WG2111844-3 WG2111844	1	39	9/12/2025 12:57:24 PM
64	WG2111844-4 WG2111844	1	40	9/12/2025 12:59:29 PM
65	WG2111844-5 WG2111844	1	41	9/12/2025 1:01:33 PM
66	WG2111844-6d5 WG2111844	1	42	9/12/2025 1:03:38 PM
67	CCV	0	3	9/12/2025 1:05:43 PM

Sequence Trace 11

9/13/2025 9:31:59 AM



Index	Label	Rack Number	Vial Numbers	Start Time
68	CCB	0	4	9/12/2025 1:07:49 PM
69	L2555806-04 WG2111844	1	46	9/12/2025 1:17:16 PM
70	L2555806-06 WG2111844	1	47	9/12/2025 1:19:27 PM
71	L2555806-07 WG2111844	1	48	9/12/2025 1:21:32 PM
72	CCV	0	3	9/12/2025 1:23:39 PM
73	CCB	0	4	9/12/2025 1:25:44 PM
74	L2554407-01d5 WG2109822	1	49	9/12/2025 1:41:41 PM
75	L2554407-03d5 WG2109822	1	50	9/12/2025 1:43:57 PM
76	L2554407-04d2 WG2109822	1	51	9/12/2025 1:46:02 PM
77	L2554407-06d2 WG2109822	1	52	9/12/2025 1:48:07 PM
78	L2554407-07d20 WG2109822	1	53	9/12/2025 1:50:12 PM
79	L2554407-08d2 WG2109822	1	54	9/12/2025 1:52:17 PM
80	L2554407-09d5 WG2109822	1	55	9/12/2025 1:54:22 PM
81	L2554407-11d5 WG2109822	1	56	9/12/2025 1:56:27 PM
82	LDR 200 K	1	57	9/12/2025 2:02:06 PM
83	LDR 500 K	1	58	9/12/2025 2:09:13 PM
84	CCV	0	3	9/12/2025 2:19:30 PM
85	CCB	0	4	9/12/2025 2:21:41 PM
86	WG2112698-2 WG2112698	1	59	9/12/2025 3:17:05 PM
87	L2554312-13 WG2109895	1	60	9/12/2025 3:19:22 PM
88	L2554407-03 WG2109895	2	1	9/12/2025 3:21:26 PM
89	L2554407-04 WG2109895	2	2	9/12/2025 3:23:31 PM
90	L2554407-05 WG2109895	2	3	9/12/2025 3:25:36 PM
91	L2554407-06 WG2109895	2	4	9/12/2025 3:27:41 PM
92	L2554407-07 WG2109895	2	5	9/12/2025 3:29:46 PM
93	L2554407-08 WG2109895	2	6	9/12/2025 3:31:51 PM
94	L2554407-09 WG2109895	2	7	9/12/2025 3:33:56 PM
95	L2554407-11 WG2109895	2	8	9/12/2025 3:36:01 PM
96	CCV	0	3	9/12/2025 3:56:25 PM
97	CCB	0	4	9/12/2025 3:58:36 PM
98	L2555332-01d2 WG2111252	2	9	9/12/2025 4:14:48 PM
99	L2555332-02d2 WG2111252	2	10	9/12/2025 4:17:04 PM
100	L2555332-03d2 WG2111252	2	11	9/12/2025 4:19:09 PM
101	L2555332-04d2 WG2111252	2	12	9/12/2025 4:21:14 PM
102	L2555332-05d2 WG2111252	2	13	9/12/2025 4:23:19 PM
103	L2555332-06d2 WG2111252	2	14	9/12/2025 4:25:30 PM
104	L2555332-07d2 WG2111252	2	15	9/12/2025 4:27:35 PM
105	L2555332-08d2 WG2111252	2	16	9/12/2025 4:29:40 PM
106	L2555332-09d2 WG2111252	2	17	9/12/2025 4:31:45 PM
107	L2555332-10d2 WG2111252	2	18	9/12/2025 4:33:51 PM
108	L2555332-11d2 WG2111252	2	19	9/12/2025 4:35:57 PM
109	CCV	0	3	9/12/2025 4:38:02 PM
110	CCB	0	4	9/12/2025 4:40:07 PM
111	L2555332-12d2 WG2111252	2	20	9/12/2025 4:42:27 PM
112	L2555332-13d2 WG2111252	2	21	9/12/2025 4:44:32 PM
113	L2555332-14d2 WG2111252	2	22	9/12/2025 4:46:37 PM
114	L2555332-15d2 WG2111252	2	23	9/12/2025 4:48:43 PM
115	eL2555332-16d2 WG2111252	2	24	9/12/2025 4:50:48 PM
116	L2555332-17d2 WG2111252	2	25	9/12/2025 4:52:53 PM
117	XNO SAMPLE	2	26	9/12/2025 5:21:07 PM
118	xLLOQ 005	2	26	9/12/2025 5:23:59 PM
119	L2555332-16d10 WG2111252	2	27	9/12/2025 5:34:57 PM
120	CCV	0	3	9/12/2025 5:37:17 PM
121	CCB	0	4	9/12/2025 5:39:23 PM
122	WG2112543-1 WG2112543	2	28	9/12/2025 5:43:57 PM
123	WG2112543-2 WG2112543	2	29	9/12/2025 5:46:08 PM
124	L2554886-01 WG2112543	2	30	9/12/2025 5:49:57 PM
125	WG2112543-3 WG2112543	2	31	9/12/2025 5:52:07 PM
126	WG2112543-4 WG2112543	2	32	9/12/2025 5:54:12 PM
127	WG2112543-5 WG2112543	2	33	9/12/2025 5:56:19 PM
128	WG2112543-6d5 WG2112543	2	34	9/12/2025 5:58:25 PM
129	L2555198-01 WG2112543	2	35	9/12/2025 6:00:31 PM
130	I2554393-01 WG2110879	2	36	9/12/2025 6:02:36 PM
131	I2554393-02 WG2110879	2	37	9/12/2025 6:04:42 PM
132	CCV	0	3	9/12/2025 6:23:47 PM
133	CCB	0	4	9/12/2025 6:25:59 PM
134	WG2114010-1 WG2114010	2	38	9/12/2025 6:46:55 PM
135	WG2114010-2 WG2114010	2	39	9/12/2025 6:49:11 PM
136	L2554258-02 WG2114010	2	40	9/12/2025 6:51:17 PM
137	WG2114010-3 WG2114010	2	41	9/12/2025 6:53:23 PM
138	WG2114010-4 WG2114010	2	42	9/12/2025 6:55:29 PM
139	WG2114010-5 WG2114010	2	43	9/12/2025 6:57:35 PM
140	WG2114010-6d5 WG2114010	2	44	9/12/2025 6:59:40 PM

Sequence Trace 11

9/13/2025 9:31:59 AM



Index	Label	Rack Number	Vial Numbers	Start Time
141	xL2554258-01 WG2114010	2	45	9/12/2025 7:01:46 PM
142	xL2554258-01 WG2114010	2	46	9/12/2025 7:03:54 PM
143	xL2554258-03 WG2114010	2	47	9/12/2025 7:05:59 PM
144	CCV	0	3	9/12/2025 7:08:05 PM
145	xCCB	0	4	9/12/2025 7:10:11 PM
146	CCB	0	4	9/12/2025 7:20:00 PM
147	L2554407-05d20 WG2109822	3	3	9/12/2025 7:23:54 PM
148	CCV	0	3	9/12/2025 7:32:56 PM
149	CCB	0	4	9/12/2025 7:35:12 PM
150	xL2554258-03 WG2114010	2	48	9/12/2025 7:39:37 PM
151	L2554258-04 WG2114010	2	49	9/12/2025 7:41:48 PM
152	zL2554258-04 WG2114010	2	50	9/12/2025 7:43:54 PM
153	L2554258-05 WG2114010	2	51	9/12/2025 7:46:00 PM
154	zL2554258-05 WG2114010	2	52	9/12/2025 7:48:06 PM
155	L2554258-06 WG2114010	2	53	9/12/2025 7:50:12 PM
156	zL2554258-06 WG2114010	2	54	9/12/2025 7:52:18 PM
157	xL2554258-07 WG2114010	2	55	9/12/2025 7:54:25 PM
158	xL2554258-07 WG2114010	2	56	9/12/2025 7:56:31 PM
159	L2554258-08 WG2114010	2	57	9/12/2025 7:58:37 PM
160	CCV	0	3	9/12/2025 8:01:35 PM
161	CCB	0	4	9/12/2025 8:03:41 PM
162	xL2554258-09 WG2114010	2	59	9/12/2025 8:06:16 PM
163	xL2554258-09 WG2114010	2	60	9/12/2025 8:08:23 PM
164	L2554258-10 WG2114010	3	1	9/12/2025 8:10:29 PM
165	CCV	0	3	9/12/2025 8:42:35 PM
166	CCB	0	4	9/12/2025 8:44:48 PM
167	L2555251-01 WG2110450	3	4	9/12/2025 8:52:25 PM
168	L2555251-02 WG2110450	3	5	9/12/2025 8:54:42 PM
169	L2555251-03 WG2110450	3	6	9/12/2025 8:56:48 PM
170	L2555251-04 WG2110450	3	7	9/12/2025 8:58:55 PM
171	L2555251-05 WG2110450	3	8	9/12/2025 9:01:01 PM
172	L2555251-06 WG2110450	3	9	9/12/2025 9:03:08 PM
173	L2555251-07 WG2110450	3	10	9/12/2025 9:05:14 PM
174	L2555251-08 WG2110450	3	11	9/12/2025 9:07:20 PM
175	L2555251-09 WG2110450	3	12	9/12/2025 9:09:26 PM
176	L2555251-10 WG2110450	3	13	9/12/2025 9:11:32 PM
177	CCV	0	3	9/12/2025 9:19:31 PM
178	CCB	0	4	9/12/2025 9:21:44 PM
179	CCV	0	3	9/12/2025 9:27:51 PM
180	CCB	0	4	9/12/2025 9:30:05 PM
181	L2555251-11 WG2110450	3	14	9/12/2025 9:46:21 PM
182	L2555251-12 WG2110450	3	15	9/12/2025 9:48:39 PM
183	L2555251-13 WG2110450	3	16	9/12/2025 9:50:45 PM
184	L2555251-14 WG2110450	3	17	9/12/2025 9:52:51 PM
185	L2555251-15 WG2110450	3	18	9/12/2025 9:54:58 PM
186	CCV	0	3	9/12/2025 9:57:04 PM
187	CCB	0	4	9/12/2025 9:59:10 PM
188	xCCB	0	4	9/12/2025 10:01:16 PM
189	xCCV	0	3	9/12/2025 10:03:23 PM

Sequence Trace 9

9/12/2025 5:01:06 PM



LabBook: WG2113814_09122025T9.imexp

Summary

Index	Label	Rack	Vial	Started at
1	Blank EFM Trace9	0	1	9/12/2025 6:33:47 AM
2	ICAL	0	2	9/12/2025 6:37:10 AM
3	ICV	0	3	9/12/2025 6:40:24 AM
4	ICB	0	4	9/12/2025 6:43:38 AM
5	LLOQ	0	5	9/12/2025 7:01:32 AM
6	ICSA	0	6	9/12/2025 7:04:53 AM
7	SIC Multi	0	7	9/12/2025 7:09:40 AM
8	LDR Check	0	8	9/12/2025 7:13:26 AM
9	xLLOQ .005	1	1	9/12/2025 7:29:51 AM
10	LLOQ .01	1	2	9/12/2025 7:33:14 AM
11	LLOQ .05	1	3	9/12/2025 7:36:26 AM
12	xLLOQ .005	1	4	9/12/2025 7:41:03 AM
13	LLOQ	0	5	9/12/2025 7:46:34 AM
14	CCV	0	3	9/12/2025 7:50:38 AM
15	CCB	0	4	9/12/2025 7:53:52 AM
16	WG2113691-1 WG2113691	1	5	9/12/2025 8:12:30 AM
17	WG2113691-2 WG2113691	1	6	9/12/2025 8:15:53 AM
18	L2556514-01 WG2113691	1	7	9/12/2025 8:19:06 AM
19	WG2113691-3 WG2113691	1	8	9/12/2025 8:22:20 AM
20	WG2113691-4 WG2113691	1	9	9/12/2025 8:25:34 AM
21	CCV	0	3	9/12/2025 8:28:48 AM
22	CCB	0	4	9/12/2025 8:32:02 AM
23	WG2112698-1 WG2112698	1	10	9/12/2025 9:41:48 AM
24	WG2112698-2 WG2112698	1	11	9/12/2025 9:45:14 AM
25	L2555938-01 WG2112698	1	12	9/12/2025 9:48:29 AM
26	WG2112698-3 WG2112698	1	13	9/12/2025 9:51:44 AM
27	WG2112698-4 WG2112698	1	14	9/12/2025 9:54:57 AM
28	WG2112698-5 WG2112698	1	15	9/12/2025 9:58:09 AM
29	WG2112698-6D5 WG2112698	1	16	9/12/2025 10:01:21 AM
30	L2555938-02 WG2112698	1	17	9/12/2025 10:04:34 AM
31	WG2112698-7 WG2112698	1	18	9/12/2025 10:07:48 AM
32	WG2112698-8 WG2112698	1	19	9/12/2025 10:11:01 AM
33	CCV	0	3	9/12/2025 10:18:46 AM
34	CCB	0	4	9/12/2025 10:22:07 AM
35	WG2112698-9 WG2112698	1	20	9/12/2025 10:25:47 AM
36	WG2112698-10D5 WG2112698	1	21	9/12/2025 10:40:47 AM
37	L2555938-03 WG2112698	1	22	9/12/2025 10:44:12 AM
38	L2555938-04 WG2112698	1	23	9/12/2025 10:47:27 AM
39	L2555938-05 WG2112698	1	24	9/12/2025 10:50:43 AM
40	L2554337-01 WG2110234	1	28	9/12/2025 10:55:47 AM
41	L2554337-02 WG2110234	1	29	9/12/2025 10:59:00 AM
42	L2554337-03 WG2110234	1	30	9/12/2025 11:02:13 AM
43	L2554337-04 WG2110234	1	31	9/12/2025 11:05:27 AM
44	L2554337-05 WG2110234	1	32	9/12/2025 11:08:41 AM
45	CCV	0	3	9/12/2025 11:11:56 AM
46	CCB	0	4	9/12/2025 11:15:10 AM
47	WG2110234-1 WG2110234	1	25	9/12/2025 11:32:18 AM
48	WG2110234-2 WG2110234	1	26	9/12/2025 11:35:37 AM
49	WG2110234-3 WG2110234	1	27	9/12/2025 11:38:50 AM
50	L2554337-06 WG2110234	1	33	9/12/2025 11:42:03 AM
51	L2554337-07 WG2110234	1	34	9/12/2025 11:45:18 AM
52	L2554337-10 WG2110234	1	35	9/12/2025 11:48:33 AM
53	L2554337-11 WG2110234	1	36	9/12/2025 11:51:48 AM
54	L2554337-12 WG2110234	1	37	9/12/2025 11:55:03 AM
55	CCV	0	3	9/12/2025 12:02:34 PM
56	CCB	0	4	9/12/2025 12:05:55 PM
57	WG2113865-1 WG2113865	1	38	9/12/2025 12:21:00 PM
58	WG2113865-2 WG2113865	1	39	9/12/2025 12:24:19 PM
59	L2556665-01 WG2113865	1	40	9/12/2025 12:27:32 PM
60	WG2113865-3 WG2113865	1	41	9/12/2025 12:30:45 PM
61	WG2113865-4 WG2113865	1	42	9/12/2025 12:33:58 PM
62	L2557001-01 WG2113865	1	43	9/12/2025 12:43:51 PM
63	L2557001-02 WG2113865	1	44	9/12/2025 12:47:16 PM
64	L2557001-03 WG2113865	1	45	9/12/2025 12:50:30 PM
65	L2557001-04 WG2113865	1	46	9/12/2025 12:53:45 PM
66	L2557001-05 WG2113865	1	47	9/12/2025 12:56:59 PM
67	CCV	0	3	9/12/2025 1:03:14 PM
68	CCB	0	4	9/12/2025 1:06:32 PM

Sequence Trace 9

9/12/2025 5:01:06 PM



Index	Label	Rack	Vial	Started at
69	L2557001-06 WG2113865	1	48	9/12/2025 1:16:10 PM
70	L2557001-07 WG2113865	1	49	9/12/2025 1:19:31 PM
71	WG2113864-2D2 WG2113864	1	50	9/12/2025 1:22:45 PM
72	CCV	0	3	9/12/2025 1:25:58 PM
73	CCB	0	4	9/12/2025 1:29:12 PM
74	L2555515-01 WG2112183	1	51	9/12/2025 2:46:47 PM
75	WG2112183-7 WG2112183	1	52	9/12/2025 2:50:14 PM
76	WG2112183-8 WG2112183	1	53	9/12/2025 2:53:27 PM
77	WG2112183-9 WG2112183	1	54	9/12/2025 2:56:40 PM
78	WG2112183-10D5 WG2112183	1	55	9/12/2025 2:59:54 PM
79	L2555168-01 WG2112183	1	56	9/12/2025 3:03:08 PM
80	L2555862-01 WG2112183	1	57	9/12/2025 3:06:23 PM
81	L2555876-01 WG2112183	1	58	9/12/2025 3:09:38 PM
82	L2555886-01 WG2112183	1	59	9/12/2025 3:12:53 PM
83	L2555912-01 WG2112183	1	60	9/12/2025 3:16:08 PM
84	CCV	0	3	9/12/2025 3:19:23 PM
85	CCB	0	4	9/12/2025 3:22:38 PM
86	L2555938-01 WG2112183	2	1	9/12/2025 3:29:43 PM
87	L2555938-02 WG2112183	2	2	9/12/2025 3:33:09 PM
88	L2555938-03 WG2112183	2	3	9/12/2025 3:36:23 PM
89	L2555938-04 WG2112183	2	4	9/12/2025 3:39:37 PM
90	L2555938-05 WG2112183	2	5	9/12/2025 3:42:52 PM
91	zL2556026-02D20 WG2112183	2	6	9/12/2025 3:46:06 PM
92	zL2556026-02D20 WG2112183	2	7	9/12/2025 4:03:49 PM
93	L2556026-02 WG2112183	2	8	9/12/2025 4:08:06 PM
94	CCV	0	3	9/12/2025 4:14:01 PM
95	CCB	0	4	9/12/2025 4:17:18 PM
96	CCV	0	3	9/12/2025 4:41:41 PM
97	CCB	0	4	9/12/2025 4:47:32 PM
98	<Identifier>	0	1	
99	<Identifier>	0	1	
100	<Identifier>	0	1	
101	<Identifier>	0	1	
102	<Identifier>	0	1	
103	<Identifier>	0	1	
104	<Identifier>	0	1	
105	<Identifier>	0	1	
106	CCV	0	3	
107	CCB	0	4	



METALS ELN REPORT

Workgroup: WG2112698

Digestion										
Prep Method	Acid Type	1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Pipette Id
EPA 3005A	1:1 HNO3		40123AJJ	HNO325350 1:1 HCl	40123AJJ	METSPIKE2 METALS	METSPIKE2	MIX	MIX	140, 326

Additional Reagent/Std

Sample/Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L255538-09	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
SAMP												
L2555861-01	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
SAMP												
L2555861-02	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
SAMP												
L2555861-03	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
SAMP												
L2555861-04	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
SAMP												
L2555861-05	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
SAMP												
L2555934-01	09/10/25 03:05	Abigail Jarvis	09-07-25 15:45	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
SAMP												
L2555938-01	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
SAMP												
L2555938-02	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
SAMP												
L2555938-03	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
SAMP												



METALS ELN REPORT

Workgroup: WG2112698

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L2555938-04 SAMP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
L2555938-05 SAMP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
L2556205-01 SAMP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
L2556205-02 SAMP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
L2556205-03 SAMP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
L2556205-04 SAMP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
L2556205-05 SAMP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
L2556205-06 SAMP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
L2556205-07 SAMP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
L2556205-08 SAMP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
WG2112698-1 BLANK	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	ELN: CBP
WG2112698-2 LCS	09/10/25 03:05	Abigail Jarvis	NA	50	<2	0.5	09/10/25 03:05	7	94.4	09/10/25 06:05	50	FM2535041125 AJT



METALS ELN REPORT

Workgroup: WG2112698

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
WG2112698 -3 MS	09/10/25 03:05	Abigail Jarvis	NA	50	<2	0.5	09/10/25 03:05	7	94.4	09/10/25 06:05	50	IPS253318232 7ALC
WG2112698 -4 DUP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
WG2112698 -5 PS	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
WG2112698 -6 SERDIL	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
WG2112698 -7 MS	09/10/25 03:05	Abigail Jarvis	NA	50	<2	0.5	09/10/25 03:05	7	94.4	09/10/25 06:05	50	
WG2112698 -8 DUP	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
WG2112698 -9 PS	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	
WG2112698 -10 SERDIL	09/10/25 03:05	Abigail Jarvis	NA	50	<2		09/10/25 03:05	7	94.4	09/10/25 06:05	50	

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml



METALS ELN REPORT

Workgroup: WG2112183

Digestion									
Prep Method	Acid Type	1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3		hHNO325360 1:1 HCl 90125AJJ	METALS	hHCL253504 METALS 0113AJJ		METSPIKE2 IPS, FPS, MIX	METSPIKE2 IPS, FPS, MIX	140, 326

Additional Reagent/Std

Sample/Type	Digestion Date	Analyst	Sample Vol	Ph	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555135-01	09/09/25 13:05	Alexander Tarlton	5	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
WATER											
L2555148-01	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
SAMP											
L2555168-01	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
SAMP											
L2555375-01	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
WATER											
L2555415-04	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
SAMP											
L2555418-01	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
SAMP											
L2555433-01	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
SAMP											
L2555433-02	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
SAMP											
L2555486-02	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
SAMP											
L2555515-01	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
SAMP											



METALS ELN REPORT

Workgroup: WG2112183

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555862-01 SAMP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
L2555876-01 SAMP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
L2555886-01 SAMP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
L2555912-01 SAMP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
L2555938-01 SAMP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
L2555938-02 SAMP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
L2555938-03 SAMP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
L2555938-04 SAMP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
L2555938-05 SAMP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
L2556026-02 SAMP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
WG2112183-1 BLANK	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	ELN: RJG // ADG
WG2112183-2 LCS	09/09/25 13:05	Alexander Tarlton	50	<2	0.5	09/09/25 13:05	10	94.8	09/09/25 16:34	50	



METALS ELN REPORT

Workgroup: WG2112183

Sample/ Type	Digestion Date	Analyst	Sample Vol	Ph	Spike Amt	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol	Comments
WG2112183 -3 MS	09/09/25 13:05	Alexander Tarlton	50	<2	0.5	09/09/25 13:05	10	94.8	09/09/25 16:34	50	
WG2112183 -4 DUP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
WG2112183 -5 PS	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
WG2112183 -6 SERDIL	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
WG2112183 -7 MS	09/09/25 13:05	Alexander Tarlton	50	<2	0.5	09/09/25 13:05	10	94.8	09/09/25 16:34	50	
WG2112183 -8 DUP	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
WG2112183 -9 PS	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	
WG2112183 -10 SERDIL	09/09/25 13:05	Alexander Tarlton	50	<2		09/09/25 13:05	10	94.8	09/09/25 16:34	50	

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

Inorganic Data (Mercury Analysis)

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 19:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: MJR
Lab File ID	: WG2112438.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112141-1
Client ID : WG2112141-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2112438.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/09/25 18:18
Dilution Factor : 1
Analyst : MJR
Instrument ID : NIC1
%Solids : N/A
Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112141-4
Client ID : WG2112141-4 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2112438.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 06:30
Date Received : 09/04/25
Date Analyzed : 09/09/25 20:40
Dilution Factor : 5
Analyst : MJR
Instrument ID : NIC1
%Solids : N/A
Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.02123	0.00100	0.0005	



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112141-6
Client ID : WG2112141-6 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2112438.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 09:38
Date Received : 09/04/25
Date Analyzed : 09/09/25 18:48
Dilution Factor : 1
Analyst : MJR
Instrument ID : NIC1
%Solids : N/A
Date Digested : 09/08/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.0001	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 09:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 09:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 10:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 10:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 10:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: RDB
Lab File ID	: WG2113650.pdf	Instrument ID	: NIC1
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112699-1
Client ID : WG2112699-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2113650.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/12/25 09:00
Dilution Factor : 1
Analyst : RDB
Instrument ID : NIC1
%Solids : N/A
Date Digested : 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112699-4
Client ID : WG2112699-4 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2113650.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 09:10
Date Received : 09/04/25
Date Analyzed : 09/12/25 09:14
Dilution Factor : 1
Analyst : RDB
Instrument ID : NIC1
%Solids : N/A
Date Digested : 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.0001	U



Form 1

METALS

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112699-6
Client ID : WG2112699-6 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 3,245.1
Lab File ID : WG2113650.pdf
Sample Amount : 25ml
Digestion Method : EPA 245.1

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/05/25 08:00
Date Received : 09/05/25
Date Analyzed : 09/12/25 09:30
Dilution Factor : 1
Analyst : RDB
Instrument ID : NIC1
%Solids : N/A
Date Digested : 09/10/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	0.00009	0.00020	0.0001	J



Form 2A

Lab Number : L2555938
Project Number : 2232.0006Y005
Units : mg/l

	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R2008441-1			R2008441-3			R2008441-5		R2008441-7	
	Date Analyzed	: 09/09/25 11:24			09/09/25 12:11			09/09/25 12:50		09/09/25 13:37	
Parameter		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Mercury		0.00300	0.0030	99	0.0050	0.00520	104	0.00510	101	0.00520	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2008441-9 09/09/25 14:21			R2008441-11 09/09/25 15:03		R2008441-13 09/09/25 16:34	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00460	92	0.00470	94	0.00490	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID :	Initial Calibration			Continuing Calibration(s)						
	Date Analyzed :				R2008441-15			R2008441-17		R2008441-19	
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00500	100	0.00510	101	0.00500	101

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2008441-21 09/09/25 19:11			R2008441-23 09/09/25 19:50		R2008441-25 09/09/25 20:00	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00500	101	0.00500	101	0.00500	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Lab ID :				R2008441-27					
Date Analyzed :				09/09/25 20:43					
Mercury				0.0050	0.00490	99			

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Lab Number : L2555938
Project Number : 2232.0006Y005
Units : mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID :		R2009684-1			R2009684-3			R2009684-5		R2009684-7	
Date Analyzed :		09/11/25 19:07			09/11/25 19:47			09/11/25 20:59		09/11/25 21:38	
Parameter		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Mercury		0.00300	0.0030	100	0.0050	0.00480	97	0.00490	99	0.00480	97

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009684-9			R2009684-11		R2009684-13	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00480	96	0.00480	96	0.00480	96

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)					
	True	Found	%R	True	Found	%R	Found	%R	Found
Mercury				0.0050	0.00470	95	0.00470	94	0.00480

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R2009684-21 09/12/25 09:24			R2009684-23 09/12/25 10:03		R2009684-25 09/12/25 10:46	
					True	Found	%R	Found	%R	Found	%R
Mercury					0.0050	0.00480	97	0.00480	96	0.00470	94

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)		
	85-115%	(Method 200.8)	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)	76-113%	(Method 245.7)



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :	R2008441-2		R2008441-4				WG2112141-1	
Date Analyzed :	09/09/25 11:27		09/09/25 12:14				09/09/25 18:18	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.0000910	U	0.0000910	U	0.00009	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation
	Blank		Blank(s)				Blank
Lab ID :			R2008441-10	R2008441-12	R2008441-14		
Date Analyzed :			09/09/25 14:25	09/09/25 15:07	09/09/25 16:38		
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	Q
Mercury			0.0000910 U		0.0000910 U		



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :			R2008441-16		R2008441-18		R2008441-20	
Date Analyzed :			09/09/25 17:18		09/09/25 17:54		09/09/25 18:35	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury			0.0000910	U	0.0000910	U	0.0000910	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005

		Initial Calibration		Continuing Calibration				Preparation	
		Blank		Blank(s)				Blank	
Lab ID :				R2008441-22		R2008441-24		R2008441-26	
Date Analyzed :				09/09/25 19:14		09/09/25 19:54		09/09/25 20:04	
Parameter		mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury				0.0000910	U	0.0000910	U	0.0000910	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : NIC1

Lab Number : L2555938
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R2008441-28					
Date Analyzed :			09/09/25 20:46					
Mercury			0.0000910	U				



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005

	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
Lab ID :	R2009684-2		R2009684-4	R2009684-6	R2009684-8		WG2112699-1	
Date Analyzed :	09/11/25 19:10		09/11/25 19:51	09/11/25 21:02	09/11/25 21:42		09/12/25 09:00	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.0000910	U	0.0000910	U	0.00009	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :			R2009684-10		R2009684-12		R2009684-14	
Date Analyzed :			09/11/25 22:23		09/11/25 23:03		09/11/25 23:23	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury			0.0000910	U	0.0000910	U	0.0000910	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation
	Blank		Blank(s)				Blank
Lab ID :			R2009684-16	R2009684-18	R2009684-20		
Date Analyzed :			09/12/25 05:56	09/12/25 07:31	09/12/25 08:11		
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	Q
Mercury			0.0000910 U		0.0000910 U		



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Instrument ID : NIC1

Lab Number : L2555938
 Project Number : 2232.0006Y005

	Initial Calibration		Continuing Calibration				Preparation
	Blank		Blank(s)				Blank
Lab ID :			R2009684-22	R2009684-24	R2009684-26		
Date Analyzed :			09/12/25 09:27	09/12/25 10:06	09/12/25 10:49		
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	Q
Mercury			0.0000910 U		0.0000910 U		



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555411-02
 Matrix Spike : WG2112141-3
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/09/25 20:36
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Mercury, Total	0.02111	0.005	0.02559	90					70-130	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555605-01
 Matrix Spike : WG2112141-5
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/09/25 18:44
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Total	ND	0.005	0.00522	104					70-130	20

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555538-09
 Matrix Spike : WG2112699-3
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/12/25 09:10
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Dissolved	ND	0.005	0.00489	98					75-125	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555750-01
 Matrix Spike : WG2112699-5
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/12/25 09:20
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Mercury, Dissolved	0.00010J	0.005	0.00487	98					75-125	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/09/25 20:33
Dup Sample ID	: WG2112141-4	DUP Analysis Date	: 09/09/25 20:40

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Total	0.02111	0.02123	1	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/09/25 18:41
Dup Sample ID	: WG2112141-6	DUP Analysis Date	: 09/09/25 18:48

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Total	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/12/25 09:07
Dup Sample ID	: WG2112699-4	DUP Analysis Date	: 09/12/25 09:14

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Dissolved	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/12/25 09:17
Dup Sample ID	: WG2112699-6	DUP Analysis Date	: 09/12/25 09:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Dissolved	0.00010J	0.00009J	NC	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112141-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/09/25 18:21
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Total	0.00100	0.00103	104.					85-115	20



Form 7
Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Client Sample ID : NA
Lab Sample ID : WG2112699-2
Dup Sample ID :

Lab Number : L2555938
Project Number : 2232.0006Y005
Matrix : WATER
LCS Analysis Date : 09/12/25 09:04
LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Dissolved	0.00100	0.000970	97.					85-115	20



Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555938-01	09/08/25 20:37	-	25
L2555938-02	09/08/25 20:37	-	25
L2555938-03	09/08/25 20:37	-	25
L2555938-04	09/08/25 20:37	-	25
L2555938-05	09/08/25 20:37	-	25
WG2112141-1	09/08/25 20:37	-	25
WG2112141-2	09/08/25 20:37	-	25
WG2112141-3	09/08/25 20:37	-	25
WG2112141-4	09/08/25 20:37	-	25
WG2112141-5	09/08/25 20:37	-	25
WG2112141-6	09/08/25 20:37	-	25



Form 12 Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2555938
Project Name : CORAM MATERIALS Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2555938-01	09/10/25 05:18	-	25
L2555938-02	09/10/25 05:18	-	25
L2555938-03	09/10/25 05:18	-	25
L2555938-04	09/10/25 05:18	-	25
L2555938-05	09/10/25 05:18	-	25
WG2112699-1	09/10/25 05:18	-	25
WG2112699-2	09/10/25 05:18	-	25
WG2112699-3	09/10/25 05:18	-	25
WG2112699-4	09/10/25 05:18	-	25
WG2112699-5	09/10/25 05:18	-	25
WG2112699-6	09/10/25 05:18	-	25



Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : NIC1
Start Date : 09/09/25 11:24

Lab Number : L2555938
Project Number : 2232.0006Y005
Analysis Method : 3,245.1
End Date : 09/09/25 20:46

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : NIC1
Start Date : 09/09/25 11:24

Lab Number : L2555938
Project Number : 2232.0006Y005
Analysis Method : 3,245.1
End Date : 09/09/25 20:46

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : NIC1
Start Date : 09/11/25 19:07

Lab Number : L2555938
Project Number : 2232.0006Y005
Analysis Method : 3,245.1
End Date : 09/12/25 10:49

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Instrument ID : NIC1
Start Date : 09/11/25 19:07

Lab Number : L2555938
Project Number : 2232.0006Y005
Analysis Method : 3,245.1
End Date : 09/12/25 10:49

[illegible]

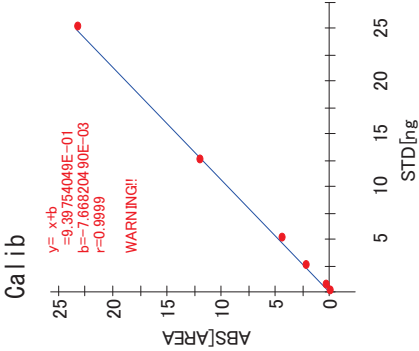
Title :
Date : 9/9/2025
Name :

Method

STD
HONH3C1 : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3C1 : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time (sec) : 120sec



STD

1	0.000	2.500	2.500	2.500	0.000	0.0110	0.0199	-	09/09/2025 11:04	MJR,NIC1
2	0.200	2.500	2.500	2.500	0.500	0.4629	0.5007	0.1	09/09/2025 11:07	MJR,NIC1
3	1.000	2.500	2.500	2.500	2.500	2.2810	2.4354	2.6	09/09/2025 11:10	MJR,NIC1
4	2.000	2.500	2.500	2.500	5.000	4.5737	4.8751	2.5	09/09/2025 11:14	MJR,NIC1
5	5.000	2.500	2.500	2.500	12.500	11.9977	12.7750	2.2	09/09/2025 11:17	MJR,NIC1
6	10.000	2.500	2.500	2.500	25.000	23.3865	24.8939	0.4	09/09/2025 11:20	MJR,NIC1

SMP

1	ICV					2.500	2.500	2.500	2.500	6.9378	7.3907	2.956	-	09/09/2025 11:24	MJR,NIC1
2	ICB					2.500	2.500	2.500	2.500	0.0156	0.0248	0.010	-	09/09/2025 11:27	MJR,NIC1
3	WG2111941-1	WG2111941				2.500	2.500	2.500	2.500	0.1633	0.1819	0.073	-	09/09/2025 11:34	MJR,NIC1
4	WG2111941-2	WG2111941				2.500	2.500	2.500	2.500	2.5613	2.7337	1.093	-	09/09/2025 11:37	MJR,NIC1
5	I2555905-01	WG2111941				2.500	2.500	2.500	2.500	0.3643	0.3958	0.158	-	09/09/2025 11:40	MJR,NIC1
6	WG2111941-3	WG2111941				2.500	2.500	2.500	2.500	12.3736	13.1750	5.270	-	09/09/2025 11:44	MJR,NIC1

7	WG2111941-4 WG2111941	2.500	2.500	2.500	2.500	0.3189	0.3475	0.139	-	09/09/2025 11:47	MJR,NIC1
8	WG2111952-1 WG2111952	2.500	2.500	2.500	2.500	0.1679	0.1868	0.075	-	09/09/2025 11:54	MJR,NIC1
9	WG2111952-2 WG2111952	2.500	2.500	2.500	2.500	2.4979	2.6662	1.066	-	09/09/2025 11:57	MJR,NIC1
10	L2553957-02 WG2111952	2.500	2.500	2.500	2.500	0.2466	0.2706	0.108	-	09/09/2025 12:01	MJR,NIC1
11	WG2111952-3 WG2111952	2.500	2.500	2.500	2.500	12.3413	13.1406	5.256	-	09/09/2025 12:04	MJR,NIC1
12	WG2111952-4 WG2111952	2.500	2.500	2.500	2.500	0.2468	0.2708	0.108	-	09/09/2025 12:07	MJR,NIC1
13	Check STD(5ug/L)	2.500	2.500	2.500	2.500	12.2259	13.0178	5.207	104.1	09/09/2025 12:11	MJR,NIC1
14	Check Blank	2.500	2.500	2.500	2.500	0.0185	0.0278	0.011	-	09/09/2025 12:14	MJR,NIC1
15	L2555104-01 WG2111952	2.500	2.500	2.500	2.500	0.2090	0.2306	0.092	-	09/09/2025 12:17	MJR,NIC1
16	XSAMPLE_SWAP	2.500	2.500	2.500	2.500	0.8699	0.9338	0.374	-	09/09/2025 12:20	MJR,NIC1
17	L2555246-03 WG2111952	2.500	2.500	2.500	2.500	0.1565	0.1747	0.070	-	09/09/2025 12:24	MJR,NIC1
18	L2555246-05 WG2111952	2.500	2.500	2.500	2.500	0.1384	0.1554	0.062	-	09/09/2025 12:27	MJR,NIC1
19	L2555246-06 WG2111952	2.500	2.500	2.500	2.500	0.1129	0.1283	0.051	-	09/09/2025 12:30	MJR,NIC1
20	L2555246-07 WG2111952	2.500	2.500	2.500	2.500	0.1104	0.1256	0.050	-	09/09/2025 12:34	MJR,NIC1
21	L2555246-08 WG2111952	2.500	2.500	2.500	2.500	0.1313	0.1479	0.059	-	09/09/2025 12:37	MJR,NIC1
22	xHG2536090850AJTV1	2.500	2.500	2.500	2.500	2.3380	2.4960	0.998	-	09/09/2025 12:40	MJR,NIC1
23	xHG2536090850AJTV2	2.500	2.500	2.500	2.500	2.2960	2.4514	0.981	-	09/09/2025 12:44	MJR,NIC1
24	WG2112028-1 WG2112028	2.500	2.500	2.500	2.500	0.0447	0.0557	0.022	-	09/09/2025 12:47	MJR,NIC1
25	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8611	12.6297	5.052	101.0	09/09/2025 12:50	MJR,NIC1
26	Check Blank	2.500	2.500	2.500	2.500	0.0210	0.0305	0.012	-	09/09/2025 12:54	MJR,NIC1
27	WG2112028-2 WG2112028	2.500	2.500	2.500	2.500	2.4538	2.6193	1.048	-	09/09/2025 12:57	MJR,NIC1
28	WG2112028-3 WG2112028	2.500	2.500	2.500	2.500	2.4536	2.6191	1.048	-	09/09/2025 13:00	MJR,NIC1
29	L2555898-02 WG2112028	2.500	2.500	2.500	2.500	0.3370	0.3668	0.147	-	09/09/2025 13:03	MJR,NIC1
30	L2555902-02 WG2112028	2.500	2.500	2.500	2.500	0.3364	0.3661	0.146	-	09/09/2025 13:07	MJR,NIC1
31	L2555927-02 WG2112028	2.500	2.500	2.500	2.500	0.1179	0.1336	0.053	-	09/09/2025 13:10	MJR,NIC1
32	WG2111833-1 WG2111833	2.500	2.500	2.500	2.500	0.0817	0.0951	0.038	-	09/09/2025 13:20	MJR,NIC1
33	WG2111833-2 WG2111833	2.500	2.500	2.500	2.500	2.5972	2.7719	1.109	-	09/09/2025 13:23	MJR,NIC1
34	L2553957-04 WG2111833	2.500	2.500	2.500	2.500	0.3560	0.3870	0.155	-	09/09/2025 13:27	MJR,NIC1
35	WG2111833-3 WG2111833	2.500	2.500	2.500	2.500	11.9041	12.6754	5.070	-	09/09/2025 13:30	MJR,NIC1
36	WG2111833-4 WG2111833	2.500	2.500	2.500	2.500	0.2317	0.2547	0.102	-	09/09/2025 13:33	MJR,NIC1
37	Check STD(5ug/L)	2.500	2.500	2.500	2.500	12.1470	12.9339	5.174	103.5	09/09/2025 13:37	MJR,NIC1
38	Check Blank	2.500	2.500	2.500	2.500	0.0231	0.0327	0.013	-	09/09/2025 13:40	MJR,NIC1

39	L2553957-06	WG2111833	2.500	2.500	2.500	2.500	0.2471	0.2711	0.108	-	09/09/2025 13:48	MJR,NIC1
40	L2553957-08	WG2111833	2.500	2.500	2.500	2.500	0.2190	0.2412	0.096	-	09/09/2025 13:52	MJR,NIC1
41	L2555241-01	WG2111833	2.500	2.500	2.500	2.500	0.2124	0.2342	0.094	-	09/09/2025 13:55	MJR,NIC1
42	L2555241-05	WG2111833	2.500	2.500	2.500	2.500	0.2194	0.2416	0.097	-	09/09/2025 13:58	MJR,NIC1
43	L2555241-07	WG2111833	2.500	2.500	2.500	2.500	0.2146	0.2365	0.095	-	09/09/2025 14:02	MJR,NIC1
44	L2555241-08	WG2111833	2.500	2.500	2.500	2.500	0.2022	0.2233	0.089	-	09/09/2025 14:05	MJR,NIC1
45	L2555245-02	WG2111833	2.500	2.500	2.500	2.500	0.2262	0.2489	0.100	-	09/09/2025 14:08	MJR,NIC1
46	L2555245-03	WG2111833	2.500	2.500	2.500	2.500	0.2188	0.2410	0.096	-	09/09/2025 14:12	MJR,NIC1
47	L2555245-04	WG2111833	2.500	2.500	2.500	2.500	0.2025	0.2236	0.089	-	09/09/2025 14:15	MJR,NIC1
48	L2555245-05	WG2111833	2.500	2.500	2.500	2.500	0.2014	0.2225	0.089	-	09/09/2025 14:18	MJR,NIC1
49	Check STD(5ug/L)		2.500	2.500	2.500	2.500	10.7975	11.4979	4.599	92.0	09/09/2025 14:21	MJR,NIC1
50	Check Blank		2.500	2.500	2.500	2.500	0.0237	0.0334	0.013	-	09/09/2025 14:25	MJR,NIC1
51	L2555245-06	WG2111833	2.500	2.500	2.500	2.500	0.2451	0.2690	0.108	-	09/09/2025 14:28	MJR,NIC1
52	L2555446-37	WG2111833	2.500	2.500	2.500	2.500	0.1952	0.2159	0.086	-	09/09/2025 14:31	MJR,NIC1
53	L2555446-38	WG2111833	2.500	2.500	2.500	2.500	0.2041	0.2253	0.090	-	09/09/2025 14:35	MJR,NIC1
54	WG2111996-1	WG2111996	2.500	2.500	2.500	2.500	0.0808	0.0941	0.038	-	09/09/2025 14:40	MJR,NIC1
55	WG2111996-2	WG2111996	2.500	2.500	2.500	2.500	2.4149	2.5779	1.031	-	09/09/2025 14:44	MJR,NIC1
56	L2555497-01	WG2111996	2.500	2.500	2.500	2.500	0.1118	0.1271	0.051	-	09/09/2025 14:47	MJR,NIC1
57	WG2111996-3	WG2111996	2.500	2.500	2.500	2.500	12.0240	12.8030	5.121	-	09/09/2025 14:50	MJR,NIC1
58	WG2111996-4	WG2111996	2.500	2.500	2.500	2.500	11.7189	12.4783	4.991	-	09/09/2025 14:54	MJR,NIC1
59	L2554982-10	WG2111996	2.500	2.500	2.500	2.500	0.0549	0.0666	0.027	-	09/09/2025 14:57	MJR,NIC1
60	L2553633-01	WG2111996	2.500	2.500	2.500	2.500	0.1033	0.1181	0.047	-	09/09/2025 15:00	MJR,NIC1
61	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.0193	11.7339	4.694	93.9	09/09/2025 15:03	MJR,NIC1
62	Check Blank		2.500	2.500	2.500	2.500	0.0246	0.0343	0.014	-	09/09/2025 15:07	MJR,NIC1
63	L2554098-03	WG2111996	2.500	2.500	2.500	2.500	0.0497	0.0610	0.024	-	09/09/2025 15:10	MJR,NIC1
64	L2555026-01	WG2111996	2.500	2.500	2.500	2.500	0.0718	0.0846	0.034	-	09/09/2025 15:13	MJR,NIC1
65	L2555026-02	WG2111996	2.500	2.500	2.500	2.500	0.0736	0.0865	0.035	-	09/09/2025 15:17	MJR,NIC1
66	L2555497-03	WG2111996	2.500	2.500	2.500	2.500	0.0866	0.1003	0.040	-	09/09/2025 15:20	MJR,NIC1
67	L2555497-04	WG2111996	2.500	2.500	2.500	2.500	0.1048	0.1197	0.048	-	09/09/2025 15:23	MJR,NIC1
68	L2555497-05	WG2111996	2.500	2.500	2.500	2.500	0.0704	0.0831	0.033	-	09/09/2025 15:27	MJR,NIC1
69	L2555497-08	WG2111996	2.500	2.500	2.500	2.500	0.0452	0.0563	0.023	-	09/09/2025 15:30	MJR,NIC1
70	L2555497-09	WG2111996	2.500	2.500	2.500	2.500	0.0472	0.0584	0.023	-	09/09/2025 15:33	MJR,NIC1

71	L2555848-01	WG2111996	2.500	2.500	2.500	2.500	0.5813	0.6267	0.251	-	09/09/2025 15:36	MJR,NIC1
72	WG2112298-1	WG2112298	2.500	2.500	2.500	2.500	0.0335	0.0438	0.018	-	09/09/2025 16:31	MJR,NIC1
73	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.5790	12.3295	4.932	98.6	09/09/2025 16:34	MJR,NIC1
74	Check Blank		2.500	2.500	2.500	2.500	0.0101	0.0189	0.008	-	09/09/2025 16:38	MJR,NIC1
75	WG2112298-2	WG2112298	2.500	2.500	2.500	2.500	2.4347	2.5989	1.040	-	09/09/2025 16:41	MJR,NIC1
76	L2555165-07	WG2112298	2.500	2.500	2.500	2.500	0.0495	0.0608	0.024	-	09/09/2025 16:44	MJR,NIC1
77	WG2112298-3	WG2112298	2.500	2.500	2.500	2.500	11.8655	12.6343	5.054	-	09/09/2025 16:48	MJR,NIC1
78	WG2112298-4	WG2112298	2.500	2.500	2.500	2.500	0.0544	0.0660	0.026	-	09/09/2025 16:51	MJR,NIC1
79	L2555174-01	WG2112298	2.500	2.500	2.500	2.500	0.0497	0.0610	0.024	-	09/09/2025 16:54	MJR,NIC1
80	WG2112430-1	WG2112430	2.500	2.500	2.500	2.500	0.0323	0.0425	0.017	-	09/09/2025 16:58	MJR,NIC1
81	WG2112430-2	WG2112430	2.500	2.500	2.500	2.500	2.3779	2.5385	1.015	-	09/09/2025 17:01	MJR,NIC1
82	L2554426-01	WG2112430	2.500	2.500	2.500	2.500	0.0628	0.0750	0.030	-	09/09/2025 17:04	MJR,NIC1
83	WG2112430-3	WG2112430	2.500	2.500	2.500	2.500	12.0496	12.8302	5.132	-	09/09/2025 17:08	MJR,NIC1
84	WG2112430-4	WG2112430	2.500	2.500	2.500	2.500	0.0450	0.0560	0.022	-	09/09/2025 17:11	MJR,NIC1
85	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.7234	12.4831	4.993	99.9	09/09/2025 17:14	MJR,NIC1
86	Check Blank		2.500	2.500	2.500	2.500	0.0111	0.0200	0.008	-	09/09/2025 17:18	MJR,NIC1
87	L2553851-18	WG2112430	2.500	2.500	2.500	2.500	0.0431	0.0540	0.022	-	09/09/2025 17:21	MJR,NIC1
88	L2554650-01	WG2112430	2.500	2.500	2.500	2.500	0.0315	0.0417	0.017	-	09/09/2025 17:24	MJR,NIC1
89	WG2112494-1	WG2112494	2.500	2.500	2.500	2.500	0.0341	0.0444	0.018	-	09/09/2025 17:27	MJR,NIC1
90	WG2112494-2	WG2112494	2.500	2.500	2.500	2.500	2.4796	2.6467	1.059	-	09/09/2025 17:31	MJR,NIC1
91	L2555246-01	WG2112494	2.500	2.500	2.500	2.500	0.1417	0.1589	0.064	-	09/09/2025 17:34	MJR,NIC1
92	WG2112494-3	WG2112494	2.500	2.500	2.500	2.500	12.6150	13.4319	5.373	-	09/09/2025 17:37	MJR,NIC1
93	WG2112494-4	WG2112494	2.500	2.500	2.500	2.500	0.0846	0.0982	0.039	-	09/09/2025 17:41	MJR,NIC1
94	L2555245-01	WG2112494	2.500	2.500	2.500	2.500	0.0346	0.0450	0.018	-	09/09/2025 17:44	MJR,NIC1
95	WG2112303-1	WG2112303	2.500	2.500	2.500	2.500	0.0604	0.0724	0.029	-	09/09/2025 17:47	MJR,NIC1
96	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.8596	12.6281	5.051	101.0	09/09/2025 17:51	MJR,NIC1
97	Check Blank		2.500	2.500	2.500	2.500	0.0150	0.0241	0.010	-	09/09/2025 17:54	MJR,NIC1
98	WG2112303-2	WG2112303	2.500	2.500	2.500	2.500	2.4136	2.5765	1.031	-	09/09/2025 17:57	MJR,NIC1
99	L2552572-03	WG2112303	2.500	2.500	2.500	2.500	0.0470	0.0582	0.023	-	09/09/2025 18:01	MJR,NIC1
100	WG2112303-3	WG2112303	2.500	2.500	2.500	2.500	12.0418	12.8219	5.129	-	09/09/2025 18:04	MJR,NIC1
101	WG2112303-4	WG2112303	2.500	2.500	2.500	2.500	0.0365	0.0470	0.019	-	09/09/2025 18:07	MJR,NIC1
102	L2552572-06	WG2112303	2.500	2.500	2.500	2.500	0.0391	0.0498	0.020	-	09/09/2025 18:11	MJR,NIC1

103	L2552572-09 WG2112303	2.500	2.500	2.500	2.500	0.0641	0.0764	0.031	-	09/09/2025 18:14	MJR,NIC1
104	WG2112141-1 WG2112141	2.500	2.500	2.500	2.500	0.0345	0.0449	0.018	-	09/09/2025 18:18	MJR,NIC1
105	WG2112141-2 WG2112141	2.500	2.500	2.500	2.500	2.4306	2.5946	1.038	-	09/09/2025 18:21	MJR,NIC1
106	XI2555411-02 WG2112141	2.500	2.500	2.500	2.500	51.3527	54.6530	21.861	-	09/09/2025 18:25	MJR,NIC1
107	XWG2112141-3 WG2112141	2.500	2.500	2.500	2.500	62.0368	66.0220	26.409	-	09/09/2025 18:28	MJR,NIC1
108	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8319	12.5986	5.039	100.8	09/09/2025 18:31	MJR,NIC1
109	Check Blank	2.500	2.500	2.500	2.500	0.0174	0.0267	0.011	-	09/09/2025 18:35	MJR,NIC1
110	XWG2112141-4 WG2112141	2.500	2.500	2.500	2.500	51.4619	54.7692	21.908	-	09/09/2025 18:38	MJR,NIC1
111	I2555605-01 WG2112141	2.500	2.500	2.500	2.500	0.0475	0.0587	0.023	-	09/09/2025 18:41	MJR,NIC1
112	WG2112141-5 WG2112141	2.500	2.500	2.500	2.500	12.2618	13.0560	5.222	-	09/09/2025 18:44	MJR,NIC1
113	WG2112141-6 WG2112141	2.500	2.500	2.500	2.500	0.0442	0.0552	0.022	-	09/09/2025 18:48	MJR,NIC1
114	I2555524-01 WG2112141	2.500	2.500	2.500	2.500	0.0423	0.0532	0.021	-	09/09/2025 18:51	MJR,NIC1
115	I2555524-02 WG2112141	2.500	2.500	2.500	2.500	0.0497	0.0610	0.024	-	09/09/2025 18:54	MJR,NIC1
116	I2555524-03 WG2112141	2.500	2.500	2.500	2.500	0.0477	0.0589	0.024	-	09/09/2025 18:58	MJR,NIC1
117	I2555524-04 WG2112141	2.500	2.500	2.500	2.500	0.0465	0.0576	0.023	-	09/09/2025 19:01	MJR,NIC1
118	I2555524-05 WG2112141	2.500	2.500	2.500	2.500	0.0414	0.0522	0.021	-	09/09/2025 19:04	MJR,NIC1
119	I2555605-03 WG2112141	2.500	2.500	2.500	2.500	0.0409	0.0517	0.021	-	09/09/2025 19:08	MJR,NIC1
120	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8460	12.6136	5.045	100.9	09/09/2025 19:11	MJR,NIC1
121	Check Blank	2.500	2.500	2.500	2.500	0.0164	0.0256	0.010	-	09/09/2025 19:14	MJR,NIC1
122	I2555605-04 WG2112141	2.500	2.500	2.500	2.500	0.0407	0.0515	0.021	-	09/09/2025 19:17	MJR,NIC1
123	I2555605-05 WG2112141	2.500	2.500	2.500	2.500	0.0437	0.0547	0.022	-	09/09/2025 19:21	MJR,NIC1
124	I2555605-06 WG2112141	2.500	2.500	2.500	2.500	0.0473	0.0585	0.023	-	09/09/2025 19:24	MJR,NIC1
125	I2555605-07 WG2112141	2.500	2.500	2.500	2.500	0.0483	0.0596	0.024	-	09/09/2025 19:27	MJR,NIC1
126	I2555605-08 WG2112141	2.500	2.500	2.500	2.500	0.0438	0.0548	0.022	-	09/09/2025 19:31	MJR,NIC1
127	I2555936-01 WG2112141	2.500	2.500	2.500	2.500	0.0425	0.0534	0.021	-	09/09/2025 19:34	MJR,NIC1
128	I2555938-01 WG2112141	2.500	2.500	2.500	2.500	0.0432	0.0541	0.022	-	09/09/2025 19:37	MJR,NIC1
129	I2555938-02 WG2112141	2.500	2.500	2.500	2.500	0.0397	0.0504	0.020	-	09/09/2025 19:41	MJR,NIC1
130	I2555938-03 WG2112141	2.500	2.500	2.500	2.500	0.0461	0.0572	0.023	-	09/09/2025 19:44	MJR,NIC1
131	I2555938-04 WG2112141	2.500	2.500	2.500	2.500	0.0486	0.0599	0.024	-	09/09/2025 19:47	MJR,NIC1
132	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8043	12.5692	5.028	100.6	09/09/2025 19:50	MJR,NIC1
133	Check Blank	2.500	2.500	2.500	2.500	0.0273	0.0372	0.015	-	09/09/2025 19:54	MJR,NIC1
134	I2555938-05 WG2112141	2.500	2.500	2.500	2.500	0.0416	0.0524	0.021	-	09/09/2025 19:57	MJR,NIC1

135	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.6642	12.4201	4.968	99.4	09/09/2025 20:00	MJR,NIC1
136	Check Blank	2.500	2.500	2.500	2.500	0.0190	0.0284	0.011	-	09/09/2025 20:04	MJR,NIC1
137	I2555411-02D5 WG2112141	2.500	2.500	2.500	2.500	9.9115	10.5551	4.222	-	09/09/2025 20:33	MJR,NIC1
138	WG2112141-3D5 WG2112141	2.500	2.500	2.500	2.500	12.0160	12.7945	5.118	-	09/09/2025 20:36	MJR,NIC1
139	WG2112141-4D5 WG2112141	2.500	2.500	2.500	2.500	9.9676	10.6148	4.246	-	09/09/2025 20:40	MJR,NIC1
140	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.6058	12.3580	4.943	98.9	09/09/2025 20:43	MJR,NIC1
141	Check Blank	2.500	2.500	2.500	2.500	0.0180	0.0273	0.011	-	09/09/2025 20:46	MJR,NIC1

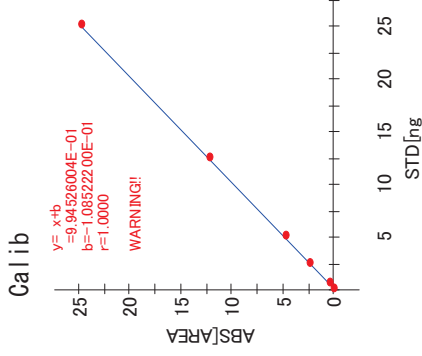
Title :
Date : 9/11/2025
Name :

Method

STD
HONH3Cl
(1+1) H2SO4
10w/v% SnCl2 : 0.0mL
: 0.0mL
: 0.3mL

SMP
HONH3Cl
(1+1) H2SO4
10w/v% SnCl2 : 0.0mL
: 0.0mL
: 0.3mL

Measurement Time (sec) : 120sec



STD

1	0.000	2.500	2.500	2.500	0.000	0.0160	0.1252	-	09/11/2025 18:47	RDB,NIC1
2	0.200	2.500	2.500	2.500	0.500	0.4195	0.5309	6.2	09/11/2025 18:50	RDB,NIC1
3	1.000	2.500	2.500	2.500	2.500	2.3349	2.4569	1.7	09/11/2025 18:53	RDB,NIC1
4	2.000	2.500	2.500	2.500	5.000	4.7945	4.9300	1.4	09/11/2025 18:57	RDB,NIC1
5	5.000	2.500	2.500	2.500	12.500	12.2021	12.3786	1.0	09/11/2025 19:00	RDB,NIC1
6	10.000	2.500	2.500	2.500	25.000	24.8321	25.0784	0.3	09/11/2025 19:03	RDB,NIC1

SMP

1	ICV		2.500	2.500	2.500	2.500	7.3521	7.5017	3.001	-	09/11/2025 19:07	RDB,NIC1
2	ICB		2.500	2.500	2.500	2.500	0.0281	0.1374	0.055	-	09/11/2025 19:10	RDB,NIC1
3	WG2112845-1	WG2112845		2.500	2.500	2.500	0.0530	0.1624	0.065	-	09/11/2025 19:13	RDB,NIC1
4	WG2112845-2	WG2112845		2.500	2.500	2.500	2.4078	2.5302	1.012	-	09/11/2025 19:17	RDB,NIC1
5	L2556550-01	WG2112845		2.500	2.500	2.500	0.0711	0.1806	0.072	-	09/11/2025 19:20	RDB,NIC1
6	WG2112845-3	WG2112845		2.500	2.500	2.500	11.4411	11.6132	4.645	-	09/11/2025 19:23	RDB,NIC1

7	WG2112845-4 WG2112845	2.500	2.500	2.500	2.500	0.1380	0.2479	0.099	-	09/11/2025 19:27	RDB,NIC1
8	WG2112038-1 WG2112038	2.500	2.500	2.500	2.500	0.0486	0.1580	0.063	-	09/11/2025 19:30	RDB,NIC1
9	WG2112038-2 WG2112038	2.500	2.500	2.500	2.500	2.4370	2.5595	1.024	-	09/11/2025 19:33	RDB,NIC1
10	L2555605-02 WG2112038	2.500	2.500	2.500	2.500	0.0642	0.1737	0.069	-	09/11/2025 19:37	RDB,NIC1
11	WG2112038-3 WG2112038	2.500	2.500	2.500	2.500	11.8850	12.0595	4.824	-	09/11/2025 19:40	RDB,NIC1
12	WG2112038-4 WG2112038	2.500	2.500	2.500	2.500	11.7273	11.9010	4.760	-	09/11/2025 19:43	RDB,NIC1
13	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.9330	12.1078	4.843	96.9	09/11/2025 19:47	RDB,NIC1
14	Check Blank	2.500	2.500	2.500	2.500	0.0158	0.1250	0.050	-	09/11/2025 19:51	RDB,NIC1
15	XL2555806-05 WG2112038	2.500	2.500	2.500	2.500	0.0011	0.1102	0.044	-	09/11/2025 20:19	RDB,NIC1
16	WG2112038-5 WG2112038	2.500	2.500	2.500	2.500	11.4325	11.6045	4.642	-	09/11/2025 20:29	RDB,NIC1
17	WG2112038-6 WG2112038	2.500	2.500	2.500	2.500	11.8536	12.0280	4.811	-	09/11/2025 20:32	RDB,NIC1
18	L2555524-01 WG2112038	2.500	2.500	2.500	2.500	0.0719	0.1814	0.073	-	09/11/2025 20:36	RDB,NIC1
19	L2555524-02 WG2112038	2.500	2.500	2.500	2.500	0.0702	0.1797	0.072	-	09/11/2025 20:39	RDB,NIC1
20	L2555524-03 WG2112038	2.500	2.500	2.500	2.500	0.0707	0.1802	0.072	-	09/11/2025 20:42	RDB,NIC1
21	L2555524-04 WG2112038	2.500	2.500	2.500	2.500	0.0692	0.1787	0.071	-	09/11/2025 20:46	RDB,NIC1
22	L2555524-05 WG2112038	2.500	2.500	2.500	2.500	0.0800	0.1896	0.076	-	09/11/2025 20:49	RDB,NIC1
23	L2555605-01 WG2112038	2.500	2.500	2.500	2.500	0.0821	0.1917	0.077	-	09/11/2025 20:52	RDB,NIC1
24	L2555605-03 WG2112038	2.500	2.500	2.500	2.500	0.0909	0.2005	0.080	-	09/11/2025 20:56	RDB,NIC1
25	Check STD(5ug/L)	2.500	2.500	2.500	2.500	12.1805	12.3567	4.943	98.9	09/11/2025 20:59	RDB,NIC1
26	Check Blank	2.500	2.500	2.500	2.500	0.0174	0.1266	0.051	-	09/11/2025 21:02	RDB,NIC1
27	L2555605-04 WG2112038	2.500	2.500	2.500	2.500	0.0978	0.2075	0.083	-	09/11/2025 21:05	RDB,NIC1
28	L2555605-05 WG2112038	2.500	2.500	2.500	2.500	0.0943	0.2039	0.082	-	09/11/2025 21:09	RDB,NIC1
29	L2555605-06 WG2112038	2.500	2.500	2.500	2.500	0.1139	0.2236	0.089	-	09/11/2025 21:12	RDB,NIC1
30	L2555605-07 WG2112038	2.500	2.500	2.500	2.500	0.0794	0.1890	0.076	-	09/11/2025 21:15	RDB,NIC1
31	L2555605-08 WG2112038	2.500	2.500	2.500	2.500	0.1925	0.3027	0.121	-	09/11/2025 21:19	RDB,NIC1
32	L2555806-01 WG2112038	2.500	2.500	2.500	2.500	0.1831	0.2932	0.117	-	09/11/2025 21:22	RDB,NIC1
33	L2555806-02 WG2112038	2.500	2.500	2.500	2.500	0.1490	0.2589	0.104	-	09/11/2025 21:25	RDB,NIC1
34	L2555806-03 WG2112038	2.500	2.500	2.500	2.500	0.1341	0.2440	0.098	-	09/11/2025 21:29	RDB,NIC1
35	L2555806-04 WG2112038	2.500	2.500	2.500	2.500	0.1220	0.2318	0.093	-	09/11/2025 21:32	RDB,NIC1
36	L2555806-06 WG2112038	2.500	2.500	2.500	2.500	0.0557	0.1651	0.066	-	09/11/2025 21:35	RDB,NIC1
37	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.9405	12.1153	4.846	96.9	09/11/2025 21:38	RDB,NIC1
38	Check Blank	2.500	2.500	2.500	2.500	0.0131	0.1223	0.049	-	09/11/2025 21:42	RDB,NIC1

39	L2555806-07 WG2112038	2.500	2.500	2.500	2.500	0.0434	0.1528	0.061	-	09/11/2025 21:45	RDB,NIC1
40	L2555806-05 WG2112038	2.500	2.500	2.500	2.500	0.0616	0.1711	0.068	-	09/11/2025 21:48	RDB,NIC1
41	WG2111846-1 WG2111846	2.500	2.500	2.500	2.500	0.1940	0.3042	0.122	-	09/11/2025 21:52	RDB,NIC1
42	WG2111846-2 WG2111846	2.500	2.500	2.500	2.500	2.6162	2.7397	1.096	-	09/11/2025 21:55	RDB,NIC1
43	L2500778-205 WG2111846	2.500	2.500	2.500	2.500	1.1075	1.2227	0.489	-	09/11/2025 21:58	RDB,NIC1
44	WG2111846-3 WG2111846	2.500	2.500	2.500	2.500	13.8601	14.0455	5.618	-	09/11/2025 22:02	RDB,NIC1
45	WG2111846-4 WG2111846	2.500	2.500	2.500	2.500	12.6428	12.8215	5.129	-	09/11/2025 22:05	RDB,NIC1
46	XL2555806-01 WG2111846	2.500	2.500	2.500	2.500	0.4318	0.5433	0.217	-	09/11/2025 22:08	RDB,NIC1
47	L2555806-02 WG2111846	2.500	2.500	2.500	2.500	0.2427	0.3532	0.141	-	09/11/2025 22:11	RDB,NIC1
48	L2555806-03 WG2111846	2.500	2.500	2.500	2.500	0.2663	0.3769	0.151	-	09/11/2025 22:15	RDB,NIC1
49	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8615	12.0359	4.814	96.3	09/11/2025 22:18	RDB,NIC1
50	Check Blank	2.500	2.500	2.500	2.500	0.0654	0.1749	0.070	-	09/11/2025 22:23	RDB,NIC1
51	L2555806-04 WG2111846	2.500	2.500	2.500	2.500	0.2847	0.3954	0.158	-	09/11/2025 22:27	RDB,NIC1
52	L2555806-06 WG2111846	2.500	2.500	2.500	2.500	0.3195	0.4304	0.172	-	09/11/2025 22:30	RDB,NIC1
53	L2555806-07 WG2111846	2.500	2.500	2.500	2.500	0.3787	0.4899	0.196	-	09/11/2025 22:33	RDB,NIC1
54	WG2113305-1 WG2113305	2.500	2.500	2.500	2.500	0.0282	0.1375	0.055	-	09/11/2025 22:37	RDB,NIC1
55	WG2113305-2 WG2113305	2.500	2.500	2.500	2.500	2.3725	2.4947	0.998	-	09/11/2025 22:40	RDB,NIC1
56	L2556217-01 WG2113305	2.500	2.500	2.500	2.500	0.0313	0.1406	0.056	-	09/11/2025 22:43	RDB,NIC1
57	WG2113305-3 WG2113305	2.500	2.500	2.500	2.500	11.5564	11.7291	4.692	-	09/11/2025 22:47	RDB,NIC1
58	WG2113305-4 WG2113305	2.500	2.500	2.500	2.500	0.0355	0.1448	0.058	-	09/11/2025 22:50	RDB,NIC1
59	L2556217-02 WG2113305	2.500	2.500	2.500	2.500	0.0449	0.1543	0.062	-	09/11/2025 22:53	RDB,NIC1
60	L2556217-05 WG2113305	2.500	2.500	2.500	2.500	0.0493	0.1587	0.063	-	09/11/2025 22:56	RDB,NIC1
61	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.7829	11.9569	4.783	95.7	09/11/2025 23:00	RDB,NIC1
62	Check Blank	2.500	2.500	2.500	2.500	0.0677	0.1772	0.071	-	09/11/2025 23:03	RDB,NIC1
63	L2556217-06 WG2113305	2.500	2.500	2.500	2.500	0.0446	0.1540	0.062	-	09/11/2025 23:06	RDB,NIC1
64	L2556217-10 WG2113305	2.500	2.500	2.500	2.500	0.0472	0.1566	0.063	-	09/11/2025 23:10	RDB,NIC1
65	L2556217-11 WG2113305	2.500	2.500	2.500	2.500	0.0407	0.1500	0.060	-	09/11/2025 23:13	RDB,NIC1
66	L2556217-14 WG2113305	2.500	2.500	2.500	2.500	0.0378	0.1471	0.059	-	09/11/2025 23:16	RDB,NIC1
67	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8170	11.9912	4.796	95.9	09/11/2025 23:20	RDB,NIC1
68	Check Blank	2.500	2.500	2.500	2.500	0.0688	0.1783	0.071	-	09/11/2025 23:23	RDB,NIC1
69	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.6537	11.8270	4.731	94.6	09/12/2025 05:53	JWN,NIC1
70	Check Blank	2.500	2.500	2.500	2.500	0.0189	0.1281	0.051	-	09/12/2025 05:56	JWN,NIC1

71	WG2112652-1 WG2112652	2.500	2.500	2.500	2.500	0.1858	0.2959	0.118	-	09/12/2025 06:17	JWN,NIC1
72	WG2112652-2 WG2112652	2.500	2.500	2.500	2.500	2.4887	2.6115	1.045	-	09/12/2025 06:21	JWN,NIC1
73	L2556081-01 WG2112652	2.500	2.500	2.500	2.500	0.0772	0.1867	0.075	-	09/12/2025 06:24	JWN,NIC1
74	WG2112652-3 WG2112652	2.500	2.500	2.500	2.500	12.2189	12.3953	4.958	-	09/12/2025 06:27	JWN,NIC1
75	WG2112652-4 WG2112652	2.500	2.500	2.500	2.500	0.0463	0.1557	0.062	-	09/12/2025 06:31	JWN,NIC1
76	L2556081-02 WG2112652	2.500	2.500	2.500	2.500	0.0480	0.1574	0.063	-	09/12/2025 06:34	JWN,NIC1
77	L2556180-01 WG2112652	2.500	2.500	2.500	2.500	0.1332	0.2431	0.097	-	09/12/2025 06:37	JWN,NIC1
78	L2556224-01 WG2112652	2.500	2.500	2.500	2.500	0.0557	0.1651	0.066	-	09/12/2025 06:41	JWN,NIC1
79	L2556224-02 WG2112652	2.500	2.500	2.500	2.500	0.1283	0.2381	0.095	-	09/12/2025 06:44	JWN,NIC1
80	WG2110930-1 WG2110930	2.500	2.500	2.500	2.500	0.0286	0.1379	0.055	-	09/12/2025 07:25	JWN,NIC1
81	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.6304	11.8035	4.721	94.4	09/12/2025 07:28	JWN,NIC1
82	Check Blank	2.500	2.500	2.500	2.500	0.0196	0.1288	0.052	-	09/12/2025 07:31	JWN,NIC1
83	WG2110930-2 WG2110930	2.500	2.500	2.500	2.500	2.4622	2.5849	1.034	-	09/12/2025 07:35	JWN,NIC1
84	L2555453-01 WG2110930	2.500	2.500	2.500	2.500	0.0282	0.1375	0.055	-	09/12/2025 07:38	JWN,NIC1
85	WG2110930-3 WG2110930	2.500	2.500	2.500	2.500	12.1432	12.3192	4.928	-	09/12/2025 07:41	JWN,NIC1
86	WG2110930-4 WG2110930	2.500	2.500	2.500	2.500	0.0332	0.1425	0.057	-	09/12/2025 07:45	JWN,NIC1
87	L2554877-01 WG2110930	2.500	2.500	2.500	2.500	0.0412	0.1505	0.060	-	09/12/2025 07:48	JWN,NIC1
88	L2554877-02 WG2110930	2.500	2.500	2.500	2.500	0.0279	0.1372	0.055	-	09/12/2025 07:51	JWN,NIC1
89	L2554886-01 WG2110930	2.500	2.500	2.500	2.500	0.0338	0.1431	0.057	-	09/12/2025 07:55	JWN,NIC1
90	L2554886-02 WG2110930	2.500	2.500	2.500	2.500	0.0313	0.1406	0.056	-	09/12/2025 07:58	JWN,NIC1
91	L2554886-03 WG2110930	2.500	2.500	2.500	2.500	0.0442	0.1536	0.061	-	09/12/2025 08:01	JWN,NIC1
92	L2554886-04 WG2110930	2.500	2.500	2.500	2.500	0.0398	0.1491	0.060	-	09/12/2025 08:04	JWN,NIC1
93	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.8425	12.0168	4.807	96.1	09/12/2025 08:08	JWN,NIC1
94	Check Blank	2.500	2.500	2.500	2.500	0.0223	0.1315	0.053	-	09/12/2025 08:11	JWN,NIC1
95	L2554886-05 WG2110930	2.500	2.500	2.500	2.500	0.0373	0.1466	0.059	-	09/12/2025 08:14	JWN,NIC1
96	L2554886-06 WG2110930	2.500	2.500	2.500	2.500	0.0276	0.1369	0.055	-	09/12/2025 08:18	JWN,NIC1
97	L2555453-02 WG2110930	2.500	2.500	2.500	2.500	0.0281	0.1374	0.055	-	09/12/2025 08:21	JWN,NIC1
98	WG2112699-1 WG2112699	2.500	2.500	2.500	2.500	0.0308	0.1401	0.056	-	09/12/2025 09:00	JWN,NIC1
99	WG2112699-2 WG2112699	2.500	2.500	2.500	2.500	2.3063	2.4281	0.971	-	09/12/2025 09:04	JWN,NIC1
100	L2555538-09 WG2112699	2.500	2.500	2.500	2.500	0.0287	0.1380	0.055	-	09/12/2025 09:07	JWN,NIC1
101	WG2112699-3 WG2112699	2.500	2.500	2.500	2.500	12.0527	12.2282	4.891	-	09/12/2025 09:10	JWN,NIC1
102	WG2112699-4 WG2112699	2.500	2.500	2.500	2.500	0.0582	0.1676	0.067	-	09/12/2025 09:14	JWN,NIC1

103	L2555750-01	WG2112699	2.500	2.500	2.500	2.500	0.1480	0.2579	0.103	-	09/12/2025 09:17	JWN,NIC1
104	WG2112699-5	WG2112699	2.500	2.500	2.500	2.500	12.0136	12.1888	4.876	-	09/12/2025 09:20	JWN,NIC1
105	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.9062	12.0809	4.832	96.6	09/12/2025 09:24	JWN,NIC1
106	Check Blank		2.500	2.500	2.500	2.500	0.0181	0.1273	0.051	-	09/12/2025 09:27	JWN,NIC1
107	WG2112699-6	WG2112699	2.500	2.500	2.500	2.500	0.1306	0.2404	0.096	-	09/12/2025 09:30	JWN,NIC1
108	L2555750-02	WG2112699	2.500	2.500	2.500	2.500	0.0790	0.1886	0.075	-	09/12/2025 09:33	JWN,NIC1
109	L2555861-01	WG2112699	2.500	2.500	2.500	2.500	0.0298	0.1391	0.056	-	09/12/2025 09:37	JWN,NIC1
110	L2555861-02	WG2112699	2.500	2.500	2.500	2.500	0.0250	0.1343	0.054	-	09/12/2025 09:40	JWN,NIC1
111	L2555861-03	WG2112699	2.500	2.500	2.500	2.500	0.0275	0.1368	0.055	-	09/12/2025 09:43	JWN,NIC1
112	L2555861-04	WG2112699	2.500	2.500	2.500	2.500	0.0315	0.1408	0.056	-	09/12/2025 09:47	JWN,NIC1
113	L2555861-05	WG2112699	2.500	2.500	2.500	2.500	0.0282	0.1375	0.055	-	09/12/2025 09:50	JWN,NIC1
114	L2555938-01	WG2112699	2.500	2.500	2.500	2.500	0.0279	0.1372	0.055	-	09/12/2025 09:53	JWN,NIC1
115	L2555938-02	WG2112699	2.500	2.500	2.500	2.500	0.0231	0.1323	0.053	-	09/12/2025 09:57	JWN,NIC1
116	L2555938-03	WG2112699	2.500	2.500	2.500	2.500	0.0215	0.1307	0.052	-	09/12/2025 10:00	JWN,NIC1
117	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.7740	11.9479	4.779	95.6	09/12/2025 10:03	JWN,NIC1
118	Check Blank		2.500	2.500	2.500	2.500	0.0205	0.1297	0.052	-	09/12/2025 10:06	JWN,NIC1
119	L2555938-04	WG2112699	2.500	2.500	2.500	2.500	0.0252	0.1345	0.054	-	09/12/2025 10:10	JWN,NIC1
120	L2555938-05	WG2112699	2.500	2.500	2.500	2.500	0.0258	0.1351	0.054	-	09/12/2025 10:13	JWN,NIC1
121	L2555980-01	WG2112699	2.500	2.500	2.500	2.500	0.0457	0.1551	0.062	-	09/12/2025 10:16	JWN,NIC1
122	L2555980-02	WG2112699	2.500	2.500	2.500	2.500	0.0223	0.1315	0.053	-	09/12/2025 10:20	JWN,NIC1
123	L2555983-01	WG2112699	2.500	2.500	2.500	2.500	0.0221	0.1313	0.053	-	09/12/2025 10:23	JWN,NIC1
124	L2555983-02	WG2112699	2.500	2.500	2.500	2.500	0.0182	0.1274	0.051	-	09/12/2025 10:26	JWN,NIC1
125	L2556205-01	WG2112699	2.500	2.500	2.500	2.500	0.0225	0.1317	0.053	-	09/12/2025 10:30	JWN,NIC1
126	L2556205-02	WG2112699	2.500	2.500	2.500	2.500	0.0235	0.1327	0.053	-	09/12/2025 10:33	JWN,NIC1
127	L2556205-03	WG2112699	2.500	2.500	2.500	2.500	0.0268	0.1361	0.054	-	09/12/2025 10:36	JWN,NIC1
128	Check STD(5ug/L)		2.500	2.500	2.500	2.500	11.5567	11.7294	4.692	93.8	09/12/2025 10:46	JWN,NIC1
129	Check Blank		2.500	2.500	2.500	2.500	0.0176	0.1268	0.051	-	09/12/2025 10:49	JWN,NIC1
130	WG2113742-1	WG2113742	2.500	2.500	2.500	2.500	0.0217	0.1309	0.052	-	09/12/2025 12:49	JWN,NIC1
131	WG2113742-2	WG2113742	2.500	2.500	2.500	2.500	2.3316	2.4536	0.981	-	09/12/2025 12:52	JWN,NIC1
132	L2556489-02	WG2113742	2.500	2.500	2.500	2.500	0.0357	0.1450	0.058	-	09/12/2025 12:55	JWN,NIC1
133	WG2113742-3	WG2113742	2.500	2.500	2.500	2.500	11.6787	11.8521	4.741	-	09/12/2025 12:58	JWN,NIC1
134	WG2113742-4	WG2113742	2.500	2.500	2.500	2.500	0.0379	0.1472	0.059	-	09/12/2025 13:02	JWN,NIC1

135	L2556491-02 WG2113742	2.500	2.500	2.500	2.500	0.1154	0.2252	0.090	-	09/12/2025 13:05	JWN,NIC1
136	L2556493-02 WG2113742	2.500	2.500	2.500	2.500	0.5288	0.6408	0.256	-	09/12/2025 13:08	JWN,NIC1
137	L2556736-03 WG2113742	2.500	2.500	2.500	2.500	0.0311	0.1404	0.056	-	09/12/2025 13:12	JWN,NIC1
138	L2557018-01 WG2113742	2.500	2.500	2.500	2.500	0.0971	0.2068	0.083	-	09/12/2025 13:15	JWN,NIC1
139	L2557019-01 WG2113742	2.500	2.500	2.500	2.500	0.0207	0.1299	0.052	-	09/12/2025 13:18	JWN,NIC1
140	Check STD(5ug/L)	2.500	2.500	2.500	2.500	11.7970	11.9711	4.788	95.8	09/12/2025 13:21	JWN,NIC1
141	Check Blank	2.500	2.500	2.500	2.500	0.0201	0.1293	0.052	-	09/12/2025 13:25	JWN,NIC1

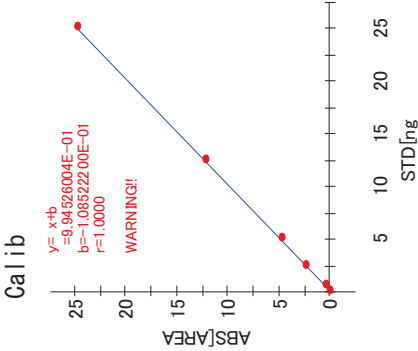
Title :
Date : 9/12/2025
Name :

Method

STD
HONH3Cl
(1+1) H2SO4
10w/v% SnCl2 : 0.0mL
: 0.0mL
: 0.3mL

SMP
HONH3Cl
(1+1) H2SO4
10w/v% SnCl2 : 0.0mL
: 0.0mL
: 0.3mL

Measurement Time (sec) : 120sec



STD

1	0.000	2.500	2.500	2.500	0.000	0.0160	0.1252	-	09/11/2025 18:47	RDB,NIC1
2	0.200	2.500	2.500	2.500	0.500	0.4195	0.5309	6.2	09/11/2025 18:50	RDB,NIC1
3	1.000	2.500	2.500	2.500	2.500	2.3349	2.4569	1.7	09/11/2025 18:53	RDB,NIC1
4	2.000	2.500	2.500	2.500	5.000	4.7945	4.9300	1.4	09/11/2025 18:57	RDB,NIC1
5	5.000	2.500	2.500	2.500	12.500	12.2021	12.3786	1.0	09/11/2025 19:00	RDB,NIC1
6	10.000	2.500	2.500	2.500	25.000	24.8321	25.0784	0.3	09/11/2025 19:03	RDB,NIC1

SMP

1	L2557215-01	WG2113742	2.500	2.500	2.500	0.0166	0.1258	0.050	-	09/12/2025 13:33	JWN,NIC1
2	L2557215-02	WG2113742	2.500	2.500	2.500	0.0160	0.1252	0.050	-	09/12/2025 13:36	JWN,NIC1
3	L2557224-01	WG2113742	2.500	2.500	2.500	0.0208	0.1300	0.052	-	09/12/2025 13:40	JWN,NIC1
4	Check STD(5ug/L)		2.500	2.500	2.500	11.9847	12.1598	4.864	97.3	09/12/2025 13:59	JWN,NIC1
5	Check Blank		2.500	2.500	2.500	0.0175	0.1267	0.051	-	09/12/2025 14:02	JWN,NIC1
6	L2555806-05	WG2113742	2.500	2.500	2.500	0.2814	0.3921	0.157	-	09/12/2025 14:45	JWN,NIC1

7	WG2113742-5 WG2113742	2.500	2.500	2.500	2.500	11.3654	11.5371	4.615	-	09/12/2025 14:48	JWN,NIC1
8	WG2113742-6 WG2113742	2.500	2.500	2.500	2.500	12.9983	13.1790	5.272	-	09/12/2025 14:51	JWN,NIC1
9	L2555806-01 WG2113742	2.500	2.500	2.500	2.500	0.3506	0.4616	0.185	-	09/12/2025 14:55	JWN,NIC1
10	XCheck STD(5ug/L)	2.500	2.500	2.500	2.500	10.6190	10.7866	4.315	-	09/12/2025 15:14	JWN,NIC1/Check STD Err
11	Check STD(5ug/L)	2.500	2.500	2.500	2.500	12.3995	12.5769	5.031	100.6	09/12/2025 15:20	JWN,NIC1
12	Check Blank	2.500	2.500	2.500	2.500	0.0149	0.1241	0.050	-	09/12/2025 15:23	JWN,NIC1

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck




ISO/IEC GUIDE 34:2009

ISO/IEC 17025:2005



Page 3 of 3 Lot: D102-540

Certificate of Analysis

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

Certificate of Analysis

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAP proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAP compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

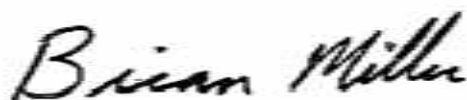
If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck





▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No.: D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

▪ **Certificate of Analysis** ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k \cdot \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material})/(\% \text{ recovery NIST SRM})] \times 100$
 The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION



Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

Page 1 of 4 Lot: D113-540

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D123-540
Certificate Issue Date: September 29, 2023
Expiration Date: June 01, 2027
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6780	7.45	3590 - 9980	3240 - 10300
Antimony	257	127	7.67	D.L. - 255	25.7 - 318
Arsenic	360	311	5.66	254 - 368	218 - 405
Barium	332	304	10.3	249 - 359	228 - 380
Beryllium	183	169	2.30	140 - 198	127 - 211
Boron	320	229	8.37	159 - 300	138 - 352
Cadmium	238	212	2.84	175 - 250	159 - 265
Calcium	5490	5170	7.20	4240 - 6090	3770 - 6560
Chromium	199	180	7.49	146 - 213	126 - 234
Cobalt	88.7	81.6	14.9	67.9 - 95.4	61.2 - 102
Copper	227	205	23.1	170 - 240	154 - 256
Iron	7360	6510	7.13	3760 - 9260	736 - 13200
Lead	100	92.8	17.9	75.9 - 110	65.0 - 121
Lithium	146	132	6.88	82.7 - 182	92.0 - 172
Magnesium	1900	1700	6.98	1280 - 2110	946 - 2450
Manganese	591	531	12.5	429 - 633	410 - 652
Mercury	14.4	11.9	8.30	7.99 - 15.7	7.12 - 16.6
Molybdenum	155	136	2.46	108 - 163	96.1 - 175
Nickel	342	313	7.24	258 - 368	219 - 407
Potassium	1500	1370	6.70	991 - 1750	713 - 2030
Selenium	170	165	4.43	133 - 197	112 - 218
Silver	88.6	82.4	6.61	65.5 - 99.2	58.5 - 106
Sodium	527	486	7.85	361 - 611	289 - 683
Strontium	148	136	8.52	109 - 163	98.7 - 173

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	226	205	4.43	166 - 245	148 - 263
Tin	85.2	75.4	3.97	58.7 - 92.1	40.6 - 110
Titanium	382	306	8.28	77.0 - 535	98.3 - 514
Uranium	46.5	47.2	5.32	36.2 - 58.2	28.6 - 65.8
Vanadium	118	103	7.76	80.3 - 126	70.0 - 136
Zinc	183	166	6.60	133 - 200	117 - 216

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6780	88.3	109	-	-
Antimony	257	127	49.3	117	-	-
Arsenic	360	311	86.5	145	-	-
Barium	332	304	91.6	129	-	-
Beryllium	183	169	92.4	121	-	-
Boron	320	229	71.6	84	-	-
Cadmium	238	212	89.2	163	-	-
Calcium	5490	5170	94.1	97	-	-
Chromium	199	180	90.4	145	-	-
Cobalt	88.7	81.6	92.0	121	-	-
Copper	227	205	90.3	151	-	-
Iron	7360	6510	88.5	110	-	-
Lead	100	92.8	92.8	161	-	-
Lithium	146	132	90.6	35	-	-
Magnesium	1900	1700	89.4	100	-	-
Manganese	591	531	89.8	125	-	-
Mercury	14.4	11.9	82.4	95	-	-
Molybdenum	155	136	87.5	120	-	-
Nickel	342	313	91.5	150	-	-
Potassium	1500	1370	91.3	99	-	-
Selenium	170	165	97.0	132	-	-
Silver	88.6	82.4	93.0	124	-	-
Sodium	527	486	92.2	100	-	-
Strontium	148	136	91.9	84	-	-
Thallium	226	205	90.8	117	-	-
Tin	85.2	75.4	88.5	90	-	-
Titanium	382	306	80.1	87	-	-
Uranium	46.5	47.2	102	30	-	-
Vanadium	118	103	87.4	119	-	-
Zinc	183	166	91.0	146	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k \cdot \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.
 k = Coverage factor.
 U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
 U_{homogen} = Standard uncertainty of the homogeneity assessment.
 U_{LTS} = Standard uncertainty associated with long-term stability.
 U_{STS} = Standard uncertainty associated with short-term (transport) stability.
 U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).
3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.
5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.
6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] \times 100$
 The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.
7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.
8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.
9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D126-540
Certificate Issue Date: June 25, 2024
Expiration Date: January 17, 2028
Revision Number: 1.0
Revision Date: February 28, 2025

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 111122.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	7680	6840	17.4	3640 - 10000	3280 - 10400
Antimony	250	131	7.92	5.96 - 256	25.0 - 328
Arsenic	229	192	15.3	156 - 228	135 - 252
Barium	244	219	20.5	179 - 259	164 - 274
Beryllium	165	146	6.80	120 - 172	110 - 183
Boron	255	175	13.9	119 - 231	105 - 280
Cadmium	134	114	6.45	93.1 - 135	85.5 - 147
Calcium	4280	4080	14.7	3360 - 4800	2930 - 5240
Chromium	172	153	13.9	124 - 182	107 - 199
Cobalt	253	231	19.3	192 - 271	174 - 289
Copper	99.6	91.2	17.6	75.8 - 107	68.4 - 114
Iron	7360	7020	21.4	4260 - 9770	736 - 13800
Lead	153	141	18.2	115 - 167	102 - 180
Lithium	104	96.1	13.2	60.8 - 131	68.1 - 124
Magnesium	2060	1900	16.9	1450 - 2350	1110 - 2690
Manganese	442	401	19.4	324 - 477	305 - 497
Mercury	15.9	14.1	7.72	9.82 - 18.4	8.45 - 19.7
Molybdenum	165	144	6.21	115 - 173	102 - 186
Nickel	165	143	14.5	117 - 170	100 - 187
Potassium	1950	1760	15.6	1270 - 2250	999 - 2520
Selenium	107	94.7	9.78	74.3 - 115	61.2 - 128
Silver	83.9	77.0	10.1	61.1 - 92.9	54.6 - 99.4
Sodium	732	661	15.6	487 - 834	409 - 913

Page 1 of 4 Lot: D126-540

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Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Strontium	222	191	15.0	151 - 232	140 - 244
Thallium	208	183	6.96	147 - 219	131 - 235
Tin	111	99.0	10.8	77.2 - 121	56.1 - 142
Titanium	422	353	19.9	99.4 - 606	128 - 577
Uranium	20.9	20.0	13.9	15.1 - 25.0	8.44 - 31.6
Vanadium	179	159	13.9	125 - 194	116 - 203
Zinc	327	292	5.83	233 - 351	204 - 379

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	7680	6840	89.0	135	-	-
Antimony	250	131	52.5	145	-	-
Arsenic	229	192	84.0	242	-	-
Barium	244	219	89.7	165	-	-
Beryllium	165	146	88.7	153	-	-
Boron	255	175	68.5	109	-	-
Cadmium	134	114	85.1	243	-	-
Calcium	4280	4080	95.4	119	-	-
Chromium	172	153	89.2	185	-	-
Cobalt	253	231	91.5	144	-	-
Copper	99.6	91.2	91.6	238	-	-
Iron	7360	7020	95.3	133	-	-
Lead	153	141	92.2	255	-	-
Lithium	104	96.1	92.4	45	-	-
Magnesium	2060	1900	92.3	122	-	-
Manganese	442	401	90.7	143	-	-
Mercury	15.9	14.1	88.6	148	-	-
Molybdenum	165	144	87.2	145	-	-
Nickel	165	143	86.9	232	-	-
Potassium	1950	1760	90.2	128	-	-
Selenium	107	94.7	88.5	167	-	-
Silver	83.9	77.0	91.8	157	-	-
Sodium	732	661	90.3	117	-	-
Strontium	222	191	86.2	92	-	-
Thallium	208	183	88.0	147	-	-
Tin	111	99.0	89.1	102	-	-
Titanium	422	353	83.6	90	-	-
Uranium	20.9	20.0	95.9	31	-	-
Vanadium	179	159	89.0	146	-	-
Zinc	327	292	89.3	233	-	-

▪ Certificate of Analysis ▪

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Where:

 - U_{expanded} = Expanded uncertainty.
 - k = Coverage factor.
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This Certificate of Analysis is authorized by Waters ERA, Quality and Technical departments.



Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve.
The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k1 = y-intercept

k2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$).
The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve.
The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k1 = y-intercept

k2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$).
The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

$$\text{Result, mg/kg, wet} = ((\text{result, mg/L}) \times (\text{FV})) / \text{Wt}$$

$$\text{Result, mg/kg, dry wt} = (\text{Result, mg/kg wet}) / (\% \text{TS})$$

No.	Sample No.	NAME	CURVE: WG2110857
1	1	STD	
2	2	STD	
3	3	STD	
4	4	STD	
5	5	STD	
6	6	STD	
1	7	ICV	
2	8	ICB	
3	9	WG2111941-1	WG2111941
4	10	WG2111941-2	WG2111941
5	11	L2555905-01	WG2111941
6	12	WG2111941-3	WG2111941
7	13	WG2111941-4	WG2111941
8	14	WG2111952-1	WG2111952
9	15	WG2111952-2	WG2111952
10	16	L2553957-02	WG2111952
11	17	WG2111952-3	WG2111952
12	18	WG2111952-4	WG2111952
13	19	Check STD(5ug/L)	
14	20	Check Blank	
15	21	L2555104-01	WG2111952
16	22	XSAMPLE_SWAP	
17	23	L2555246-03	WG2111952
18	24	L2555246-05	WG2111952
19	25	L2555246-06	WG2111952
20	26	L2555246-07	WG2111952
21	27	L2555246-08	WG2111952
22	28	xHG2536090850AJTV1	
23	29	xHG2536090850AJTV2	
24	30	WG2112028-1	WG2112028
25	31	Check STD(5ug/L)	
26	32	Check Blank	
27	33	WG2112028-2	WG2112028
28	34	WG2112028-3	WG2112028
29	35	L2555898-02	WG2112028
30	36	L2555902-02	WG2112028
31	37	L2555927-02	WG2112028
32	38	WG2111833-1	WG2111833
33	39	WG2111833-2	WG2111833
34	40	L2553957-04	WG2111833
35	41	WG2111833-3	WG2111833
36	42	WG2111833-4	WG2111833
37	43	Check STD(5ug/L)	

38	44 Check Blank
39	45 L2553957-06 WG2111833
40	46 L2553957-08 WG2111833
41	47 L2555241-01 WG2111833
42	48 L2555241-05 WG2111833
43	49 L2555241-07 WG2111833
44	50 L2555241-08 WG2111833
45	51 L2555245-02 WG2111833
46	52 L2555245-03 WG2111833
47	53 L2555245-04 WG2111833
48	54 L2555245-05 WG2111833
49	55 Check STD(5ug/L)
50	56 Check Blank
51	57 L2555245-06 WG2111833
52	58 L2555446-37 WG2111833
53	59 L2555446-38 WG2111833
54	60 WG2111996-1 WG2111996
55	61 WG2111996-2 WG2111996
56	62 L2555497-01 WG2111996
57	63 WG2111996-3 WG2111996
58	64 WG2111996-4 WG2111996
59	65 L2554982-10 WG2111996
60	66 L2553633-01 WG2111996
61	67 Check STD(5ug/L)
62	68 Check Blank
63	69 L2554098-03 WG2111996
64	70 L2555026-01 WG2111996
65	71 L2555026-02 WG2111996
66	72 L2555497-03 WG2111996
67	73 L2555497-04 WG2111996
68	74 L2555497-05 WG2111996
69	75 L2555497-08 WG2111996
70	76 L2555497-09 WG2111996
71	77 L2555848-01 WG2111996
72	78 WG2112298-1 WG2112298
73	79 Check STD(5ug/L)
74	80 Check Blank
75	1 WG2112298-2 WG2112298
76	2 L2555165-07 WG2112298
77	3 WG2112298-3 WG2112298
78	4 WG2112298-4 WG2112298
79	5 L2555174-01 WG2112298
80	6 WG2112430-1 WG2112430
81	7 WG2112430-2 WG2112430

82	8 L2554426-01 WG2112430
83	9 WG2112430-3 WG2112430
84	10 WG2112430-4 WG2112430
85	11 Check STD(5ug/L)
86	12 Check Blank
87	13 L2553851-18 WG2112430
88	14 L2554650-01 WG2112430
89	15 WG2112494-1 WG2112494
90	16 WG2112494-2 WG2112494
91	17 L2555246-01 WG2112494
92	18 WG2112494-3 WG2112494
93	19 WG2112494-4 WG2112494
94	20 L2555245-01 WG2112494
95	22 WG2112303-1 WG2112303
96	23 Check STD(5ug/L)
97	24 Check Blank
98	25 WG2112303-2 WG2112303
99	26 L2552572-03 WG2112303
100	27 WG2112303-3 WG2112303
101	28 WG2112303-4 WG2112303
102	29 L2552572-06 WG2112303
103	30 L2552572-09 WG2112303
104	31 WG2112141-1 WG2112141
105	32 WG2112141-2 WG2112141
106	33 XI2555411-02 WG2112141
107	34 XWG2112141-3 WG2112141
108	35 Check STD(5ug/L)
109	36 Check Blank
110	37 XWG2112141-4 WG2112141
111	38 I2555605-01 WG2112141
112	39 WG2112141-5 WG2112141
113	40 WG2112141-6 WG2112141
114	41 I2555524-01 WG2112141
115	42 I2555524-02 WG2112141
116	43 I2555524-03 WG2112141
117	44 I2555524-04 WG2112141
118	45 I2555524-05 WG2112141
119	46 I2555605-03 WG2112141
120	47 Check STD(5ug/L)
121	48 Check Blank
122	49 I2555605-04 WG2112141
123	50 I2555605-05 WG2112141
124	51 I2555605-06 WG2112141
125	52 I2555605-07 WG2112141

126	53 I2555605-08 WG2112141
127	54 I2555936-01 WG2112141
128	55 I2555938-01 WG2112141
129	56 I2555938-02 WG2112141
130	57 I2555938-03 WG2112141
131	58 I2555938-04 WG2112141
132	59 Check STD(5ug/L)
133	60 Check Blank
134	61 I2555938-05 WG2112141
135	62 Check STD(5ug/L)
136	63 Check Blank
137	64 I2555411-02D5 WG2112141
138	65 WG2112141-3D5 WG2112141
139	66 WG2112141-4D5 WG2112141
140	67 Check STD(5ug/L)
141	68 Check Blank

No.	Sample No. NAME	CURVE: WG2113090
1	1 STD	
2	2 STD	
3	3 STD	
4	4 STD	
5	5 STD	
6	6 STD	
1	7 ICV	
2	8 ICB	
3	9 WG2112845-1 WG2112845	
4	10 WG2112845-2 WG2112845	
5	11 L2556550-01 WG2112845	
6	12 WG2112845-3 WG2112845	
7	13 WG2112845-4 WG2112845	
8	14 WG2112038-1 WG2112038	
9	15 WG2112038-2 WG2112038	
10	16 L2555605-02 WG2112038	
11	17 WG2112038-3 WG2112038	
12	18 WG2112038-4 WG2112038	
13	19 Check STD(5ug/L)	
14	20 Check Blank	
15	21 XL2555806-05 WG2112038	
16	22 WG2112038-5 WG2112038	
17	23 WG2112038-6 WG2112038	
18	24 L2555524-01 WG2112038	
19	25 L2555524-02 WG2112038	
20	26 L2555524-03 WG2112038	
21	27 L2555524-04 WG2112038	
22	28 L2555524-05 WG2112038	
23	29 L2555605-01 WG2112038	
24	30 L2555605-03 WG2112038	
25	31 Check STD(5ug/L)	
26	32 Check Blank	
27	33 L2555605-04 WG2112038	
28	34 L2555605-05 WG2112038	
29	35 L2555605-06 WG2112038	
30	36 L2555605-07 WG2112038	
31	37 L2555605-08 WG2112038	
32	38 L2555806-01 WG2112038	
33	39 L2555806-02 WG2112038	
34	40 L2555806-03 WG2112038	
35	41 L2555806-04 WG2112038	
36	42 L2555806-06 WG2112038	
37	43 Check STD(5ug/L)	

38	44 Check Blank
39	45 L2555806-07 WG2112038
40	46 L2555806-05 WG2112038
41	47 WG2111846-1 WG2111846
42	48 WG2111846-2 WG2111846
43	49 L2500778-205 WG2111846
44	50 WG2111846-3 WG2111846
45	51 WG2111846-4 WG2111846
46	52 xL2555806-01 WG2111846
47	53 L2555806-02 WG2111846
48	54 L2555806-03 WG2111846
49	55 Check STD(5ug/L)
50	56 Check Blank
51	57 L2555806-04 WG2111846
52	58 L2555806-06 WG2111846
53	59 L2555806-07 WG2111846
54	60 WG2113305-1 WG2113305
55	61 WG2113305-2 WG2113305
56	62 L2556217-01 WG2113305
57	63 WG2113305-3 WG2113305
58	64 WG2113305-4 WG2113305
59	65 L2556217-02 WG2113305
60	66 L2556217-05 WG2113305
61	67 Check STD(5ug/L)
62	68 Check Blank
63	69 L2556217-06 WG2113305
64	70 L2556217-10 WG2113305
65	71 L2556217-11 WG2113305
66	72 L2556217-14 WG2113305
67	73 Check STD(5ug/L)
68	74 Check Blank
69	79 Check STD(5ug/L)
70	80 Check Blank
71	1 WG2112652-1 WG2112652
72	2 WG2112652-2 WG2112652
73	3 L2556081-01 WG2112652
74	4 WG2112652-3 WG2112652
75	5 WG2112652-4 WG2112652
76	6 L2556081-02 WG2112652
77	7 L2556180-01 WG2112652
78	8 L2556224-01 WG2112652
79	9 L2556224-02 WG2112652
80	10 WG2110930-1 WG2110930
81	11 Check STD(5ug/L)

82	12 Check Blank
83	13 WG2110930-2 WG2110930
84	14 L2555453-01 WG2110930
85	15 WG2110930-3 WG2110930
86	16 WG2110930-4 WG2110930
87	17 L2554877-01 WG2110930
88	18 L2554877-02 WG2110930
89	19 L2554886-01 WG2110930
90	20 L2554886-02 WG2110930
91	21 L2554886-03 WG2110930
92	22 L2554886-04 WG2110930
93	23 Check STD(5ug/L)
94	24 Check Blank
95	25 L2554886-05 WG2110930
96	26 L2554886-06 WG2110930
97	27 L2555453-02 WG2110930
98	28 WG2112699-1 WG2112699
99	29 WG2112699-2 WG2112699
100	30 L2555538-09 WG2112699
101	31 WG2112699-3 WG2112699
102	32 WG2112699-4 WG2112699
103	33 L2555750-01 WG2112699
104	34 WG2112699-5 WG2112699
105	35 Check STD(5ug/L)
106	36 Check Blank
107	37 WG2112699-6 WG2112699
108	38 L2555750-02 WG2112699
109	39 L2555861-01 WG2112699
110	40 L2555861-02 WG2112699
111	41 L2555861-03 WG2112699
112	42 L2555861-04 WG2112699
113	43 L2555861-05 WG2112699
114	44 L2555938-01 WG2112699
115	45 L2555938-02 WG2112699
116	46 L2555938-03 WG2112699
117	47 Check STD(5ug/L)
118	48 Check Blank
119	49 L2555938-04 WG2112699
120	50 L2555938-05 WG2112699
121	51 L2555980-01 WG2112699
122	52 L2555980-02 WG2112699
123	53 L2555983-01 WG2112699
124	54 L2555983-02 WG2112699
125	55 L2556205-01 WG2112699

126	56 L2556205-02 WG2112699
127	57 L2556205-03 WG2112699
128	59 Check STD(5ug/L)
129	60 Check Blank
130	61 WG2113742-1 WG2113742
131	62 WG2113742-2 WG2113742
132	63 L2556489-02 WG2113742
133	64 WG2113742-3 WG2113742
134	65 WG2113742-4 WG2113742
135	66 L2556491-02 WG2113742
136	67 L2556493-02 WG2113742
137	68 L2556736-03 WG2113742
138	69 L2557018-01 WG2113742
139	70 L2557019-01 WG2113742
140	71 Check STD(5ug/L)
141	72 Check Blank
1	11 L2557215-01 WG2113742
2	12 L2557215-02 WG2113742
3	13 L2557224-01 WG2113742
4	14 Check STD(5ug/L)
5	15 Check Blank
6	16 L2555806-05 WG2113742
7	17 WG2113742-5 WG2113742
8	18 WG2113742-6 WG2113742
9	19 L2555806-01 WG2113742
10	20 XCheck STD(5ug/L)
11	21 Check STD(5ug/L)
12	22 Check Blank



METALS ELN REPORT

Workgroup: WG2112141

Digestion												
Prep Method Acid Type 1 Acid 1 Lot Acid Type 2 Acid 2 Lot Spike Type Lims Spike Lot Post Spike Spikelot Spike Lot Pipette Id												
EPA 245.1 HNO3 24022614 H2SO4 24009418 METALS METSPIKE HG25350501METSPIKE 01TCBPV1 HG25350501328, 344 01TCBPV1												
Additional Reagent/Std K2O8S2 PS2535041313ADG												
KMnO4 PP2535071330RJG												
NaCl-NH2OH.HCl HH25360051200CME												
ICV2534271235ARM												

Sample/Type	Digestion Date	Analyst	Sample Vol	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555411-02	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555524-01	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555524-02	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555524-03	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555524-04	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555524-05	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-01	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-03	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										



METALS ELN REPORT

Workgroup: WG2112141

Sample/ Type	Digestion Date	Analyst	Sample Vol	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2555605-04	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-05	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-06	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-07	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555605-08	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555936-01	09/08/25 20:37	Raldi Cabral	1		09/08/25 20:37	8	96.3	09/08/25 22:37	25	25X Dilution
SAMP										
L2555938-01	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555938-02	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555938-03	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555938-04	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
L2555938-05	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
SAMP										
WG2112141-1	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	eln:AJT
BLANK										



METALS ELN REPORT

Workgroup: WG2112141

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2112141-2	09/08/25 20:37	Raldi Cabral	25	.250	09/08/25 20:37	8	96.3	09/08/25 22:37	25	
LCS										
WG2112141-3	09/08/25 20:37	Raldi Cabral	25	1.25	09/08/25 20:37	8	96.3	09/08/25 22:37	25	
MS										
WG2112141-4	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
DUP										
WG2112141-5	09/08/25 20:37	Raldi Cabral	25	1.25	09/08/25 20:37	8	96.3	09/08/25 22:37	25	
MS										
WG2112141-6	09/08/25 20:37	Raldi Cabral	25		09/08/25 20:37	8	96.3	09/08/25 22:37	25	
DUP										

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganal	3.75	ml
Potassium Persulfate (K	2	ml
NaCl-Hydroxylamine Hy	1.5	ml



METALS ELN REPORT

Workgroup: WG2112699

Digestion												
Prep Method Acid Type 1 Acid 1 Lot Acid Type 2 Acid 2 Lot Spike Type Lims Spike Lot Post Spike Spikelot Spike Lot Pipette Id												
EPA 245.1	HNO3	24022614	H2SO4	24009418	METALS	METSPIKE	HG25350501	METSPIKE	HG25350501	01CBPV1	328, 344	01CBPV1
Additional Reagent/Std												
		K2O8S2	PS2535041313ADG									
		KMnO4	PP2535071330RJG									
		NaCl-NH2OH.HCl	HH2537091510MJR									
			ICV2534271235ARM									
Sample/Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments	
L2555538-09	09/10/25 05:18	Abigail Jarvis	NA	25	5	09/10/25 05:18	5	95.2	09/10/25 07:18	25		
SAMP												
L2555750-01	09/10/25 05:18	Abigail Jarvis	09-07-25 15:45	25	5	09/10/25 05:18	5	95.2	09/10/25 07:18	25		
SAMP												
L2555750-02	09/10/25 05:18	Abigail Jarvis	09-07-25 15:45	25	5	09/10/25 05:18	5	95.2	09/10/25 07:18	25		
SAMP												
L2555861-01	09/10/25 05:18	Abigail Jarvis	NA	25	5	09/10/25 05:18	5	95.2	09/10/25 07:18	25		
SAMP												
L2555861-02	09/10/25 05:18	Abigail Jarvis	NA	25	5	09/10/25 05:18	5	95.2	09/10/25 07:18	25		
SAMP												
L2555861-03	09/10/25 05:18	Abigail Jarvis	NA	25	5	09/10/25 05:18	5	95.2	09/10/25 07:18	25		
SAMP												
L2555861-04	09/10/25 05:18	Abigail Jarvis	NA	25	5	09/10/25 05:18	5	95.2	09/10/25 07:18	25		
SAMP												
L2555861-05	09/10/25 05:18	Abigail Jarvis	NA	25	5	09/10/25 05:18	5	95.2	09/10/25 07:18	25		
SAMP												



METALS ELN REPORT

Workgroup: WG2112699

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol	Comments
L2555938-01 SAMP	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
L2555938-02 SAMP	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
L2555938-03 SAMP	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
L2555938-04 SAMP	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
L2555938-05 SAMP	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
L2555980-01 SAMP	09/10/25 05:18	Abigail Jarvis	09-05-25 19:06	0.25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	100X dilution due to client history
L2555980-02 SAMP	09/10/25 05:18	Abigail Jarvis	09-05-25 19:06	0.25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	100X dilution due to client history
L2555983-01 SAMP	09/10/25 05:18	Abigail Jarvis	09-05-25 19:06	0.25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	100X dilution due to client history
L2555983-02 SAMP	09/10/25 05:18	Abigail Jarvis	09-05-25 19:06	0.25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	100X dilution due to client history
L2556205-01 SAMP	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
L2556205-02 SAMP	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
L2556205-03 SAMP	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	



METALS ELN REPORT

Workgroup: WG2112699

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol	Comments
WG2112699 -1	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	ELN: ADG
BLANK										
WG2112699 -2	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	ELN: ARM
LCS										
WG2112699 -3	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
MS										
WG2112699 -4	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
DUP										
WG2112699 -5	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
MS										
WG2112699 -6	09/10/25 05:18	Abigail Jarvis	NA	25	09/10/25 05:18	5	95.2	09/10/25 07:18	25	
DUP										

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganal	3.75	ml
Potassium Persulfate (K	2	ml
NaCl-Hydroxylamine Hy	1.5	ml

Wet Chemistry

Total Nitrogen **Analysis**

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 12:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2114959.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	6.9	0.30	0.30	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 12:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2114959.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	2.5	0.30	0.30	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 12:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2114959.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	1.1	0.30	0.30	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 12:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2114959.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	ND	0.30	0.30	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 12:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2114959.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	4.0	0.30	0.30	



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
TOTAL NITROGEN

Last Change 3/5/13 GFF
File tnitrogen.xlt

Sample #: _____

Client: _____

Analysis: **Total Nitrogen**

Method: *Calculation from TKN & NO3/NO2*

Product: **TNITROGEN**
Analyte: **Total Nitrogen,**
Analysis Date: 9/15/2025 12:44
Technician: JRO
Work group: WG2114959
RL: 0.3 mg/L

	Sample Number	TKN (mg/L)	NO3/NO2 (mg/L)	RL Multiplier	Result (mg/L)
SAMP	L2554025-01	3.76	0.13	1.0	3.89
SAMP	L2554025-02	0.508	1.4	1.0	1.908
SAMP	L2554025-03	0.403	3.3	1.0	3.703
SAMP	L2554025-04	0.156	0.62	1.0	0.62
SAMP	L2554025-05	0.0982	0.62	1.0	0.62
SAMP	L2554025-06	5.73	0.16	1.0	5.89
SAMP	L2554025-07	0.583	1.5	1.0	2.083
SAMP	L2554025-08	0.396	0.14	1.0	0.536
SAMP	L2554025-09	0.771	1.6	1.0	2.371
SAMP	L2554480-01	28.2	0.16	1.0	28.36
SAMP	L2554480-02	1.89	4.8	1.0	6.69
SAMP	L2554484-01	36	0.12	10.0	36.12
SAMP	L2554484-02	1.04	4.6	1.0	5.64
SAMP	L2555260-01	0.948	0.056	1.0	0.948
SAMP	L2555260-03	0.442	0.2	1.0	0.642
SAMP	L2555260-05	0.32	3.3	1.0	3.62
SAMP	L2555938-01	0	6.9	1.0	6.9
SAMP	L2555938-02	0	2.5	1.0	2.5
SAMP	L2555938-03	0	1.1	1.0	1.1
SAMP	L2555938-04	0.201	0.047	1.0	0
SAMP	L2555938-05	0	4	1.0	4

Calculations of Total Nitrogen

Calculate the concentration value based on results for TKN-N and NO₃/NO₂-N.

Aqueous samples:

$$\text{mgTN-N/L} = \text{TKN-N(mg/l)} + \text{NO}_3/\text{NO}_2\text{-N (mg/l)}$$

Soil samples:

$$\text{mgTN-N/Kg} = \text{TKN-N(mg/Kg)} + \text{NO}_3/\text{NO}_2\text{-N(mg/Kg)}$$

Total Kjeldahl Nitrogen Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 11:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250912-B	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/11/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 11:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250912-B	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/11/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 11:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250912-B	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/11/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 11:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250912-B	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/11/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.201	0.300	0.066	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/12/25 11:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 4,351.1	Analyst	: KEM
Lab File ID	: NH320250912-B	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/11/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2113590-1
Client ID : WG2113590-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 4,351.1
Lab File ID : NH320250912-B
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/12/25 11:12
Dilution Factor : 1
Analyst : KEM
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/11/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.092	0.300	0.022	J



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2113590-3
Client ID : WG2113590-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 4,351.1
Lab File ID : NH320250912-B
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 09:35
Date Received : 09/04/25
Date Analyzed : 09/12/25 11:37
Dilution Factor : 1
Analyst : KEM
Instrument ID : LACHAT
%Solids : N/A
Date Digested : 09/11/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.330	0.300	0.066	



Sample Raw Data

Original Run Filename: OM_9-12-2025_10-18-53AM.OMN Created: 9/12/2025 10:18:53 AM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-12-2025_10-18-53AM.OMN Last Modified: 9/12/2025 11:04:40 AM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

TRAY A

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight
STD 1	1	S1	10.000			
STD 2	1	S2	8.0000			
STD 3	1	S3	4.0000			
STD 4	1	S4	2.0000			
STD 5	1	S5	1.0000			
STD 6	1	S6	0.40000			
STD 7	1	S7	0.20000			
STD 8	1	S8	0.10000			
STD 9	1	S9	0.050000			
STD 10	1	S10	0.0000			
CCV L 0.4000	1	S6	0.37464			94%
Known Conc:			0.40000			
Calibration:			Table/Fig. : 1			
CCV H 4.0000	1	S3	3.9941			100%
Known Conc:			4.0000			
CCB	1	S10	0.024977			
Known Conc:			0.0000			
HI ICV 8.0	1	1	8.0539			101%
LO ICV 1.0	1	2	0.92721			93%
ICB	1	3	0.010990			
WG2113288-1 T	1	4	0.068652			
WG2113288-2 T	1	5	35.669		15.00	89%
LCS LO T	1	6	4.0622		3.00	102%
L2554338-01 T	1	7	40.584		6.00	
L2554338-02 T	1	8	2.6466		3.00	
L2555092-01 T	1	9	1.4053		3.00	
L2555162-01 T	1	10	1.5344		3.00	
CCV L 0.4000	1	S6	0.39991			100%
Known Conc:			0.40000			
CCV H 4.0000	1	S3	4.0028			100%
Known Conc:			4.0000			
CCB	1	S10	0.027583			
Known Conc:			0.0000			
L2555168-01 T	1	11	31.534		6.00	
L2555260-01 T	1	12	0.94829		3.00	
L2555260-03 T	1	13	0.44163		3.00	
L2555260-05 T	1	14	0.31949		3.00	
WG2113288-4 T	1	15	8.5226		3.00	103%
WG2113288-3 T	1	16	0.38225		3.00	RPD=18%
L2555823-01 T	1	17	1.5720		3.00	
L2555824-01 T	1	18	2.4814		6.00	
L2555825-01 T	1	19	2.5081		3.00	
L2555826-01 T	1	20	5.6072		15.00	
CCV L 0.4000	1	S6	0.39151			98%
Known Conc:			0.40000			
CCV H 4.0000	1	S3	4.0031			100%
Known Conc:			4.0000			
CCB	1	S10	0.027326			
Known Conc:			0.0000			
L2555827-01 T	1	21	1.3363		3.00	
L2555829-01 T	1	22	1.2969		3.00	
L2555865-01 T	1	23	0.63637		3.00	
CCV L 0.4000	1	S6	0.37816			95%
Known Conc:			0.40000			
CCV H 4.0000	1	S3	4.0065			100%
Known Conc:			4.0000			
CCB	1	S10	0.022903			
Known Conc:			0.0000			

Channel 1 (Ammonia Low) - Current View

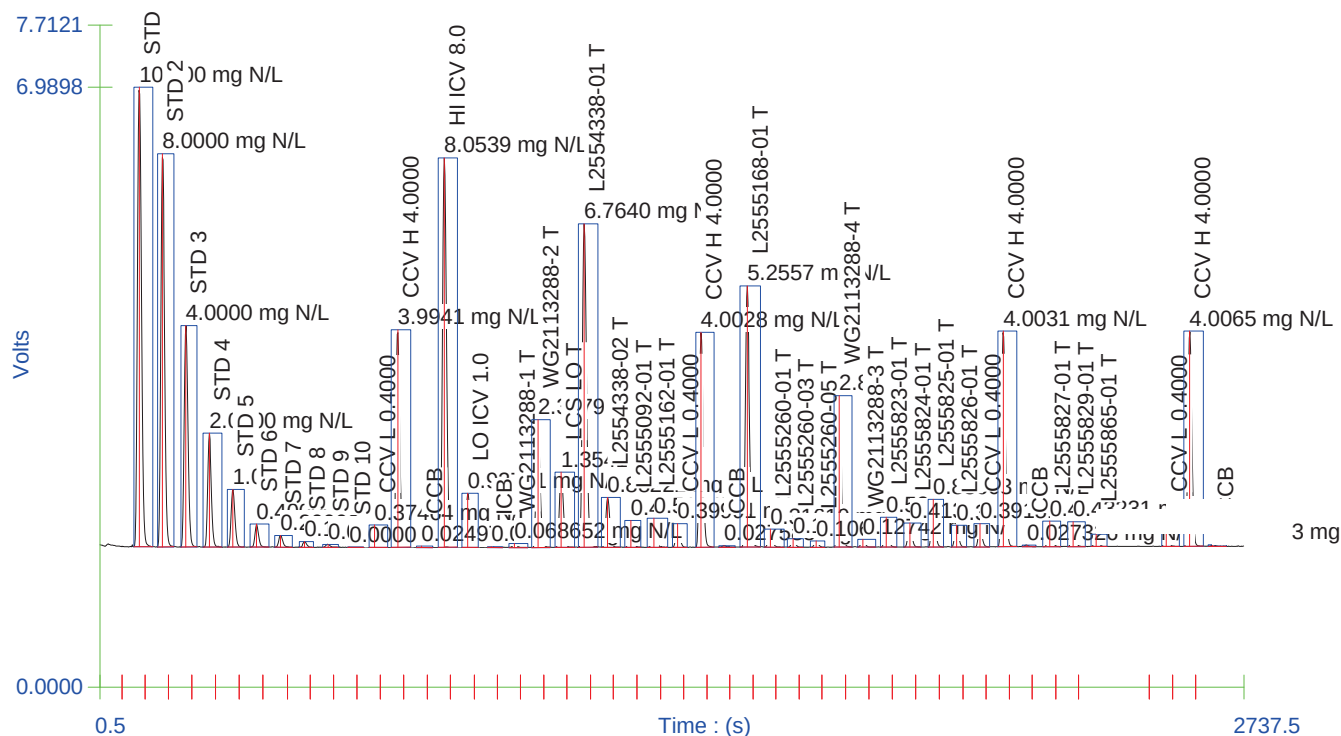
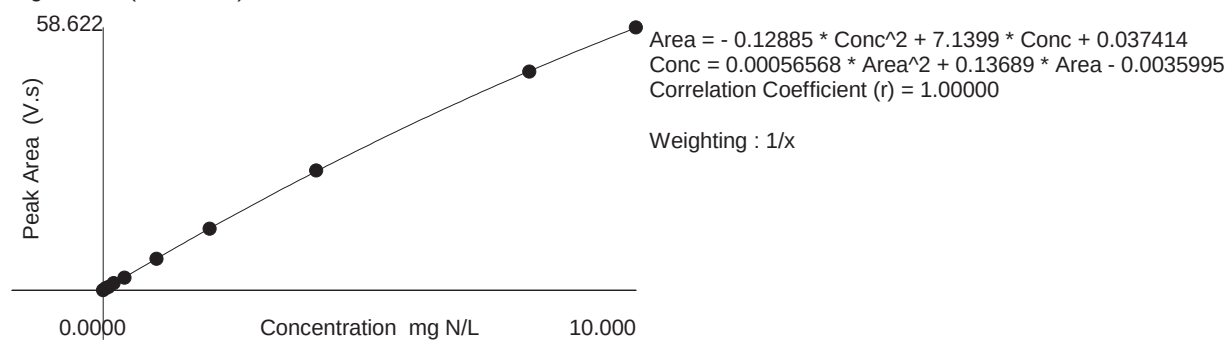


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.622	5.3556	0.0	-0.1	9.9649	9/12/2025	10:19:49 AM
2	8.0000	1	48.784	4.5816	0.0	0.3	8.0206	9/12/2025	10:20:45 AM
3	4.0000	1	26.670	2.5806	0.0	-0.5	4.0496	9/12/2025	10:21:41 AM
4	2.0000	1	13.714	1.3284	0.0	0.6	1.9801	9/12/2025	10:22:37 AM
5	1.0000	1	6.9922	0.67183	0.0	0.8	0.98121	9/12/2025	10:23:34 AM
6	0.40000	1	2.8195	0.26846	0.0	1.9	0.38686	9/12/2025	10:24:31 AM
7	0.20000	1	1.5636	0.13677	0.0	-7.1	0.21182	9/12/2025	10:25:28 AM
8	0.10000	1	0.74079	0.068097	0.0	1.2	0.098116	9/12/2025	10:26:26 AM
9	0.050000	1	0.41789	0.034395	0.0	-6.0	0.053703	9/12/2025	10:27:22 AM
10	0.0000	1	0.0028329	0.0028473			-0.0032117	9/12/2025	10:28:17 AM

Figure : 1 (LOW NH3)



Original Run Filename: OM_9-12-2025_11-08-43AM.OMN Created: 9/12/2025 11:08:43 AM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_9-12-2025_11-08-43AM.OMN Last Modified: 9/12/2025 11:44:08 AM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

TRAY B

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight	
CCV L 0.4000	1	S6	0.37041				93%
Known Conc:			0.40000				
Calibration:			Table/Fig. : 1				
CCV H 4.0000	1	S3	4.0014				100%
Known Conc:			4.0000				
CCB	1	S10	0.024087				
Known Conc:			0.0000				
WG2113590-1 T	1	1	0.030693				
WG2113590-2 T	1	2	41.228		15.00		103%
LCS LO T	1	3	4.0215		3.00		101%
X L2555582-01 T	1	4	0.46759		3.00		RERUN
WG2113590-4 T	1	5	11.080		3.00		134%
X WG2113590-3 T	1	6	0.68909		3.00		RERUN
L2555582-02 T	1	7	0.25140		3.00		
L2555582-03 T	1	8	0.31676		3.00		
L2555582-04 T	1	9	0.56793		3.00		
L2555582-05 T	1	10	0.34084		3.00		
CCV L 0.4000	1	S6	0.37691				94%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	3.9893				100%
Known Conc:			4.0000				
CCB	1	S10	0.026082				
Known Conc:			0.0000				
L2555582-06 T	1	11	0.42398		3.00		
L2555582-07 T	1	12	0.092819		3.00		
L2555938-01 T	1	13	0.037859		3.00		
L2555938-02 T	1	14	0.032841		3.00		
L2555938-03 T	1	15	0.030004		3.00		
L2555938-04 T	1	16	0.20143		3.00		
L2555938-05 T	1	17	0.023542		3.00		
L2556081-01 T	1	18	0.35541		3.00		
L2556081-02 T	1	19	0.22170		3.00		
L2556180-01 T	1	20	0.84719		3.00		
CCV L 0.4000	1	S6	0.37580				94%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	3.9783				99%
Known Conc:			4.0000				
CCB	1	S10	0.027154				
Known Conc:			0.0000				
L2555582-01 T	1	4	0.33107		3.00		
WG2113590-3 T	1	6	0.32953		3.00		RPD=1%
CCV L 0.4000	1	S6	0.37090				93%
Known Conc:			0.40000				
CCV H 4.0000	1	S3	3.9932				100%
Known Conc:			4.0000				
CCB	1	S10	0.026264				
Known Conc:			0.0000				

Chromatogram showing detector response (Volts) versus time (seconds). The plot displays multiple peaks corresponding to various compounds. Key peaks are labeled with their retention times and concentrations.

Retention Time (s)	Concentration (mg N/L)	Compound Label
0.3704	0.0003	CCV L 0.4000
0.3761	0.0003	CCV L 0.4000
0.3766	0.0003	CCV L 0.4000
0.3775	0.0003	CCV L 0.4000
0.3789	0.0003	CCV L 0.4000
0.3799	0.0003	CCV L 0.4000
0.3809	0.0003	CCV L 0.4000
0.3819	0.0003	CCV L 0.4000
0.3829	0.0003	CCV L 0.4000
0.3839	0.0003	CCV L 0.4000
0.3849	0.0003	CCV L 0.4000
0.3859	0.0003	CCV L 0.4000
0.3869	0.0003	CCV L 0.4000
0.3879	0.0003	CCV L 0.4000
0.3889	0.0003	CCV L 0.4000
0.3899	0.0003	CCV L 0.4000
0.3909	0.0003	CCV L 0.4000
0.3919	0.0003	CCV L 0.4000
0.3929	0.0003	CCV L 0.4000
0.3939	0.0003	CCV L 0.4000
0.3949	0.0003	CCV L 0.4000
0.3959	0.0003	CCV L 0.4000
0.3969	0.0003	CCV L 0.4000
0.3979	0.0003	CCV L 0.4000
0.3989	0.0003	CCV L 0.4000
0.3999	0.0003	CCV L 0.4000
0.4009	0.0003	CCV L 0.4000
0.4019	0.0003	CCV L 0.4000
0.4029	0.0003	CCV L 0.4000
0.4039	0.0003	CCV L 0.4000
0.4049	0.0003	CCV L 0.4000
0.4059	0.0003	CCV L 0.4000
0.4069	0.0003	CCV L 0.4000
0.4079	0.0003	CCV L 0.4000
0.4089	0.0003	CCV L 0.4000
0.4099	0.0003	CCV L 0.4000
0.4109	0.0003	CCV L 0.4000
0.4119	0.0003	CCV L 0.4000
0.4129	0.0003	CCV L 0.4000
0.4139	0.0003	CCV L 0.4000
0.4149	0.0003	CCV L 0.4000
0.4159	0.0003	CCV L 0.4000
0.4169	0.0003	CCV L 0.4000
0.4179	0.0003	CCV L 0.4000
0.4189	0.0003	CCV L 0.4000
0.4199	0.0003	CCV L 0.4000
0.4209	0.0003	CCV L 0.4000
0.4219	0.0003	CCV L 0.4000
0.4229	0.0003	CCV L 0.4000
0.4239	0.0003	CCV L 0.4000
0.4249	0.0003	CCV L 0.4000
0.4259	0.0003	CCV L 0.4000
0.4269	0.0003	CCV L 0.4000
0.4279	0.0003	CCV L 0.4000
0.4289	0.0003	CCV L 0.4000
0.4299	0.0003	CCV L 0.4000
0.4309	0.0003	CCV L 0.4000
0.4319	0.0003	CCV L 0.4000
0.4329	0.0003	CCV L 0.4000
0.4339	0.0003	CCV L 0.4000
0.4349	0.0003	CCV L 0.4000
0.4359	0.0003	CCV L 0.4000
0.4369	0.0003	CCV L 0.4000
0.4379	0.0003	CCV L 0.4000
0.4389	0.0003	CCV L 0.4000
0.4399	0.0003	CCV L 0.4000
0.4409	0.0003	CCV L 0.4000
0.4419	0.0003	CCV L 0.4000
0.4429	0.0003	CCV L 0.4000
0.4439	0.0003	CCV L 0.4000
0.4449	0.0003	CCV L 0.4000
0.4459	0.0003	CCV L 0.4000
0.4469	0.0003	CCV L 0.4000
0.4479	0.0003	CCV L 0.4000
0.4489	0.0003	CCV L 0.4000
0.4499	0.0003	CCV L 0.4000
0.4509	0.0003	CCV L 0.4000
0.4519	0.0003	CCV L 0.4000
0.4529	0.0003	CCV L 0.4000
0.4539	0.0003	CCV L 0.4000
0.4549	0.0003	CCV L 0.4000
0.4559	0.0003	CCV L 0.4000
0.4569	0.0003	CCV L 0.4000
0.4579		

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.622	5.3556	0.0	-0.1	9.9649	9/12/2025	10:19:49 AM
2	8.0000	1	48.784	4.5816	0.0	0.3	8.0206	9/12/2025	10:20:45 AM
3	4.0000	1	26.670	2.5806	0.0	-0.5	4.0496	9/12/2025	10:21:41 AM
4	2.0000	1	13.714	1.3284	0.0	0.6	1.9801	9/12/2025	10:22:37 AM
5	1.0000	1	6.9922	0.67183	0.0	0.8	0.98121	9/12/2025	10:23:34 AM
6	0.40000	1	2.8195	0.26846	0.0	1.9	0.38686	9/12/2025	10:24:31 AM
7	0.20000	1	1.5636	0.13677	0.0	-7.1	0.21182	9/12/2025	10:25:28 AM
8	0.10000	1	0.74079	0.068097	0.0	1.2	0.098116	9/12/2025	10:26:26 AM
9	0.050000	1	0.41789	0.034395	0.0	-6.0	0.053703	9/12/2025	10:27:22 AM
10	0.0000	1	0.0028329	0.0028473			-0.0032117	9/12/2025	10:28:17 AM

Area = $-0.12885 * \text{Conc}^2 + 7.1399 * \text{Conc} + 0.037414$
Conc = $0.00056568 * \text{Area}^2 + 0.13689 * \text{Area} - 0.0035995$
Correlation Coefficient (r) = 1.00000
Weighting : 1/x

Concentration (mg N/L)	Peak Area (V.s)
0.0000	0.0000
0.0001	0.0000
0.0002	0.0000
0.0005	0.0000
0.0010	0.0000
0.0020	0.0000
0.0050	0.0000

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555582-01
 Matrix Spike : WG2113590-4
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/12/25 11:16
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Total Kjeldahl	0.331	8	11.1	135 Q					77-111	24

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/12/25 11:36
Dup Sample ID	: WG2113590-3	DUP Analysis Date	: 09/12/25 11:37

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Total Kjeldahl	0.331	0.330	0	24



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2113590-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/12/25 11:13
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Total Kjeldahl	40.0	41.2	103.					78-122	24



Calculations of Nitrogen in TKN

Aqueous samples:

Compute sample TKN –N concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

If the sample has a concentration of less than 2ppm, calculate results by using the low curve generated on Channel 1.

If the sample concentration is greater than 2ppm, calculate the results by using the high curve generated on Channel 2.

To Compute the final results for aqueous samples, multiply the direct reading by the dilution factor based on the initial preparation volume. (also done using software)

$$\text{TKN-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

Project No. _____
Book No. _____

TITLE NH₃ 9/12/25 LEM

m Page No. _____

Tray A (10-18-53AM)
prep 9/11/25 @ 8:35

Hi ICV 8.0
Lo ICV 1.0
ICB
WG2113288-17.Blk
2T. LSH₁ 5X
LCS 6T
54338 01T (2x)
02T
55092 01T
55162 01T
55168 01T (2x)
55260 01T
03T
05T
05T MS
05T Dup
55823 01T
55824 01T (2x)
55825 01T
55826 01T (5x)
55827 01T
55829 01T
55865 01T

Tray B (11-08-43AM)
prep 9/11/25 @ 22:41

1 WG2113590-17.Blk
2 2T. LCS H₁ 5X
3 LCS 6T
4 55582 01T; reman
5 01T MS
6 01T Dup; reman
7 02T
8 03T
9 04T
10 05T
11 06T
12 07T
13 55938 01T
14 02T
15 03T
16 04T
17 05T
18 56081 01T
19 02T
20 56180 01T

Date: 9/12/25
Sodium Phenolate: 9/12/25 R-4398
Sodium Hypochlorate: 9/12/25 start/stop
Sodium Nitroprusside: 9/12/25 R-3969
Boric Acid Soln.: 9/12/25 R-9266
ICV 1.0: 9/15/25 WC-3621
ICV 8.0: 9/12/25 WC-3624
Cal. Std: 9/12/25 WC-3624
See Front Page for Instructions:

LEM

LEM

To Page No. _____

Processed & Understood by me,

Date

Invented by:

Date

Recorded by:

Sample Preparation

FILE

m Page No. _____

SamplesVolumeDilutionFinal vol

same

1x

150ml

Blank

Low

High

125555 80 - 01 RA

- 02

- 03

- 04

- 05

- 06

- 07

- 01 DUP

- 01 MS

59 58 - 01

- 02

- 03

- 04

- 05

60 81 - 01

- 02

61 80 - 01

Same standards as
reagents as page 7 52

09/11/25 @ 22:41 GGT

To Page No. _____

nessed & Understood by me,

Date

Invented by:

Date

Recorded by:

Nitrate and Nitrite Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 09:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111362-1
Client ID : WG2111362-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/06/25 03:12
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111362-3
Client ID : WG2111362-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/06/25 03:31
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	6.95	0.100	0.022	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	2.52	0.100	0.022	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	1.14	0.100	0.022	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	0.046	0.100	0.022	J



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 09:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	4.01	0.100	0.022	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111365-1
Client ID : WG2111365-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/06/25 03:17
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	ND	0.100	0.022	U



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111365-3
Client ID : WG2111365-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/06/25 03:29
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	4.42	0.100	0.023	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	6.9	0.10	0.046	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	2.5	0.10	0.046	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	1.1	0.10	0.046	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 08:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.047	0.10	0.046	J



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/06/25 09:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250906-C1	Instrument ID	: FIA1
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	4.0	0.10	0.046	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111367-1
Client ID : WG2111367-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/06/25 03:19
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111367-3
Client ID : WG2111367-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/06/25 03:29
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	4.4	0.10	0.05	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2111367-5
Client ID : WG2111367-5 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500NO3-F
Lab File ID : NO3250906-A1
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/03/25 11:30
Date Received : 09/03/25
Date Analyzed : 09/06/25 04:23
Dilution Factor : 1
Analyst : KAF
Instrument ID : FIA1
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	3.3	0.10	0.05	



Sample Raw Data

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:36:52

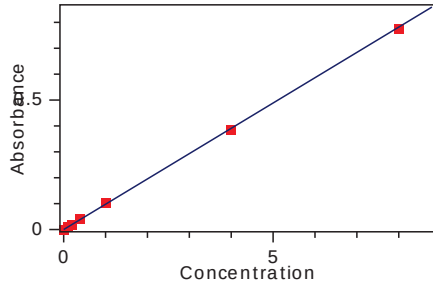
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
---------	--

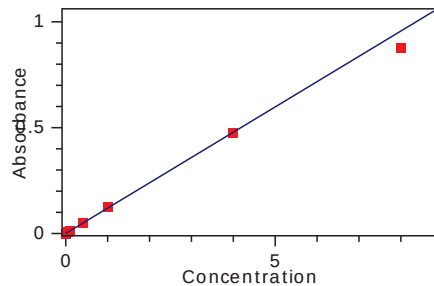
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
2	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	2025-09-06T02:36:37
3	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	2025-09-06T02:37:47
4	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	2025-09-06T02:38:53
5	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	2025-09-06T02:40:01
6	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	2025-09-06T02:41:10
7	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	2025-09-06T02:42:20
8	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	2025-09-06T02:43:35



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
9	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	2025-09-06T02:44:29
10	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	2025-09-06T02:45:38
11	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	2025-09-06T02:46:44
12	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	2025-09-06T02:47:54
13	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	2025-09-06T02:49:03
14	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	2025-09-06T02:50:12
15	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	2025-09-06T02:51:25

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0016		2025-09-06T02:35:24
NOx 8.0ppm	2	Standard	8	0.7727	1	1	1	7.9067		2025-09-06T02:36:37
NOx 4.0ppm	3	Standard	4	0.3851	1	1	1	3.9415		2025-09-06T02:37:47
NOx 1.0ppm	4	Standard	1	0.1029	1	1	1	1.0532		2025-09-06T02:38:53
NOx 0.4ppm	5	Standard	0.4	0.0388	1	1	1	0.3970		2025-09-06T02:40:01
NOx 0.2ppm	6	Standard	0.2	0.0191	1	1	1	0.1958		2025-09-06T02:41:10
NOx 0.1ppm	7	Standard	0.1	0.0098	1	1	1	0.1009		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	0	0.0001	1	1	1	0.0009		2025-09-06T02:43:35
Nitrite 8.0ppm	9	Standard	?	0.7839	1	1	1	8.0215	OVR	2025-09-06T02:44:41
Nitrite 4.0ppm	10	Standard	?	0.4203	1	1	1	4.3015		2025-09-06T02:45:50
Nitrite 1.0ppm	11	Standard	?	0.1108	1	1	1	1.1337		2025-09-06T02:46:57
Nitrite 0.4ppm	12	Standard	?	0.0435	1	1	1	0.4457		2025-09-06T02:48:05
Nitrite 0.1ppm	13	Standard	?	0.0108	1	1	1	0.1111		2025-09-06T02:49:15
Nitrite 0.05ppm	14	Standard	?	0.0053	1	1	1	0.0548		2025-09-06T02:50:24
Nitrite 0.0ppm	15	Standard	?	0.0001	1	1	1	0.0015		2025-09-06T02:51:36
CCV NO3	16	QC	1	0.1042	1	1	1	1.0665		2025-09-06T02:52:41
CCV NO2	17	QC	?	0.1105	1	1	1	1.1307		2025-09-06T02:53:46
CCB	18	QC	0	0.0007	1	1	1	0.0072		2025-09-06T02:55:01
ICV NO3 5.0	19	QC	5	0.4780	1	1	1	4.8918		2025-09-06T02:56:03
ICV NO2 5.0	20	QC	?	0.4943	1	1	1	5.0583		2025-09-06T02:57:12
ICV NO3 0.5	21	QC	0.5	0.0478	1	1	1	0.4897		2025-09-06T02:58:20
ICV NO2 0.5	22	QC	?	0.0503	1	1	1	0.5150		2025-09-06T02:59:29
ICB	23	QC	0	0.0004	1	1	1	0.0042		2025-09-06T03:00:44
Diluter CHK 8PPM	24	Unknown	?	0.1602	1	5	1	8.1992		2025-09-06T03:01:47
BLANK NO3	25	Unknown	?	0.0000	1	1	1	0.0002		2025-09-06T03:02:28
LCS NO3	26	Unknown	?	0.4786	1	1	1	4.8980		2025-09-06T03:04:01
BLANK NO2	27	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:04:40
LCS NO2	28	Unknown	?	0.4978	1	1	1	5.0944		2025-09-06T03:06:13
CCV NO3	29	QC	1	0.1047	1	1	1	1.0720		2025-09-06T03:07:19
CCV NO2	30	QC	?	0.1107	1	1	1	1.1331		2025-09-06T03:08:24
CCB	31	QC	0	0.0008	1	1	1	0.0091		2025-09-06T03:09:42
WG2111361-1	32	Unknown	?	0.0001	1	1	1	0.0015		2025-09-06T03:10:50

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111361-2	33	Unknown	?	0.4962	1	1	1	5.0778		2025-09-06T03:11:49
WG2111362/363-1	34	Unknown	?	0.0004	1	1	1	0.0046		2025-09-06T03:13:01
WG2111362/363-2	35	Unknown	?	0.4980	1	1	1	5.0965		2025-09-06T03:14:00
WG2111364-1	36	Unknown	?	0.0008	1	1	1	0.0084		2025-09-06T03:15:11
WG2111364-2	37	Unknown	?	0.4784	1	1	1	4.8962		2025-09-06T03:16:11
WG2111365/363/368-1	38	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:16:51
WG2111365/365/368-2	39	Unknown	?	0.4809	1	1	1	4.9214		2025-09-06T03:18:24
WG2111367-1	40	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:19:04
WG2111367-2	41	Unknown	?	0.4806	1	1	1	4.9186		2025-09-06T03:20:37
CCV NO3	42	QC	1	0.1034	1	1	1	1.0588		2025-09-06T03:21:42
CCV NO2	43	QC	?	0.1110	1	1	1	1.1358		2025-09-06T03:22:48
CCB	44	QC	0	0.0008	1	1	1	0.0084		2025-09-06T03:24:04
WG2111369-1	45	Unknown	?	0.0001	1	1	1	0.0011		2025-09-06T03:25:18
WG2111369-2	46	Unknown	?	0.4799	1	1	1	4.9115		2025-09-06T03:26:15
L2555605-01N	47	Unknown	?	0.1811	1	1	1	1.8537		2025-09-06T03:27:20
L2555605-02N	48	Unknown	?	0.4244	1	1	1	4.3434		2025-09-06T03:28:26
WG2111365/367-3	49	Unknown	?	0.4315	1	1	1	4.4157		2025-09-06T03:29:31
WG2111365/367-4	50	Unknown	?	0.7718	1	1	1	7.8977		2025-09-06T03:30:36
WG2111362-3	51	Unknown	?	0.4289	1	1	1	4.3891		2025-09-06T03:31:41
WG2111362-4	52	Unknown	?	0.7838	1	1	1	8.0211	OVR	2025-09-06T03:32:45
L2zzP605-03N	53	Unknown	?	0.6040	1	1	1	6.1813		2025-09-06T03:33:49
L2555605-04N	54	Unknown	?	0.1376	1	1	1	1.4085		2025-09-06T03:34:53
CCV NO3	55	QC	1	0.1043	1	1	1	1.0678		2025-09-06T03:35:57
CCV NO2	56	QC	?	0.1087	1	1	1	1.1124		2025-09-06T03:37:03
CCB	57	QC	0	0.0000	1	1	1	0.0005		2025-09-06T03:38:15
L2555605-05N	58	Unknown	?	0.3941	1	1	1	4.0333		2025-09-06T03:39:20
L2555605-06N	59	Unknown	?	0.3762	1	1	1	3.8504		2025-09-06T03:40:27
L2555605-07N	60	Unknown	?	0.3048	1	1	1	3.1191		2025-09-06T03:41:33
L2555605-08N	61	Unknown	?	0.2131	1	1	1	2.1808		2025-09-06T03:42:39
L2555382-01A	62	Unknown	?	0.0296	1	1	1	0.3034		2025-09-06T03:43:45
L2555382-02A	63	Unknown	?	0.0302	1	1	1	0.3089		2025-09-06T03:44:51
L2555382-03A	64	Unknown	?	0.0312	1	1	1	0.3196		2025-09-06T03:45:56
L2555382-04A	65	Unknown	?	0.0313	1	1	1	0.3206		2025-09-06T03:47:02

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555459-01S	66	Unknown	?	0.0000	1	1	1	0.0003		2025-09-06T03:48:10
L2555956-01F	67	Unknown	?	0.0028	1	1	1	0.0289		2025-09-06T03:49:12
CCV NO3	68	QC	1	0.1048	1	1	1	1.0727		2025-09-06T03:50:17
CCV NO2	69	QC	?	0.1086	1	1	1	1.1118		2025-09-06T03:51:22
CCB	70	QC	0	0.0001	1	1	1	0.0010		2025-09-06T03:52:33
WG2111364-3	71	Unknown	?	0.0012	1	1	1	0.0124		2025-09-06T03:53:40
WG2111364-4	72	Unknown	?	0.4267	1	1	1	4.3664		2025-09-06T03:54:46
WG2111361-3	73	Unknown	?	-0.0001	1	1	1	-0.0012		2025-09-06T03:55:22
WG2111361-4	74	Unknown	?	0.4276	1	1	1	4.3755		2025-09-06T03:56:55
L2555956-02F	75	Unknown	?	0.0011	1	1	1	0.0121		2025-09-06T03:57:59
L2555956-03F	76	Unknown	?	0.0020	1	1	1	0.0209		2025-09-06T03:59:04
L2555956-04F	77	Unknown	?	0.0028	1	1	1	0.0287		2025-09-06T04:00:11
L2555622-01A	78	Unknown	?	0.0294	1	1	1	0.3014		2025-09-06T04:01:17
WG2111366/368-3	79	Unknown	?	0.0290	1	1	1	0.2972		2025-09-06T04:02:24
WG2111366/368-4	80	Unknown	?	0.4710	1	1	1	4.8202		2025-09-06T04:03:29
CCV NO3	81	QC	1	0.1028	1	1	1	1.0521		2025-09-06T04:04:35
CCV NO2	82	QC	?	0.1070	1	1	1	1.0956		2025-09-06T04:05:40
CCB	83	QC	0	0.0000	1	1	1	0.0005		2025-09-06T04:06:52
WG2111363-3	84	Unknown	?	0.0290	1	1	1	0.2967		2025-09-06T04:08:00
WG2111363-4	85	Unknown	?	0.4910	1	1	1	5.0245		2025-09-06T04:09:08
L2555671-01C	86	Unknown	?	0.0158	1	1	1	0.1619		2025-09-06T04:10:12
WG2111369-3	87	Unknown	?	0.0154	1	1	1	0.1580		2025-09-06T04:11:18
WG2111369-4	88	Unknown	?	0.4023	1	1	1	4.1166		2025-09-06T04:12:23
L2555671-02C	89	Unknown	?	0.0157	1	1	1	0.1610		2025-09-06T04:13:27
L2555671-03C	90	Unknown	?	0.0202	1	1	1	0.2069		2025-09-06T04:14:32
L2555671-04C	91	Unknown	?	0.0196	1	1	1	0.2010		2025-09-06T04:15:36
L2555260-01C	92	Unknown	?	0.0054	1	1	1	0.0560		2025-09-06T04:16:40
L2555260-03C	93	Unknown	?	0.0192	1	1	1	0.1965		2025-09-06T04:17:44
CCV NO3	94	QC	1	0.1043	1	1	1	1.0676		2025-09-06T04:18:49
CCV NO2	95	QC	?	0.1073	1	1	1	1.0988		2025-09-06T04:19:53
CCB	96	QC	0	0.0001	1	1	1	0.0011		2025-09-06T04:21:06
L2555260-05C	97	Unknown	?	0.3199	1	1	1	3.2737		2025-09-06T04:22:15
WG2111367-5	98	Unknown	?	0.3193	1	1	1	3.2676		2025-09-06T04:23:23

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111367-6	99	Unknown	?	0.6875	1	1	1	7.0356		2025-09-06T04:24:29
L2554370-01L	100	Unknown	?	0.0141	1	1	1	0.1448		2025-09-06T04:25:35
L2554370-02L	101	Unknown	?	0.0066	1	1	1	0.0684		2025-09-06T04:26:42
L2554370-03L	102	Unknown	?	0.0041	1	1	1	0.0420		2025-09-06T04:27:47
L2554370-04L	103	Unknown	?	0.0037	1	1	1	0.0387		2025-09-06T04:28:53
L2554370-05L	104	Unknown	?	0.0507	1	1	1	0.5194		2025-09-06T04:29:58
L2554370-06L	105	Unknown	?	0.0064	1	1	1	0.0656		2025-09-06T04:31:04
L2554370-07L	106	Unknown	?	0.0620	1	1	1	0.6352		2025-09-06T04:32:08
CCV NO3	107	QC	1	0.1039	1	1	1	1.0630		2025-09-06T04:33:12
CCV NO2	108	QC	?	0.1091	1	1	1	1.1170		2025-09-06T04:34:18
CCB	109	QC	0	0.0001	1	1	1	0.0013		2025-09-06T04:35:31
L2554370-08L	110	Unknown	?	0.1470	1	1	1	1.5044		2025-09-06T04:36:34
L2554370-09L	111	Unknown	?	0.0040	1	1	1	0.0411		2025-09-06T04:37:38
L2554370-10L	112	Unknown	?	0.0258	1	1	1	0.2644		2025-09-06T04:38:44
L2554370-11L	113	Unknown	?	0.5415	1	1	1	5.5415		2025-09-06T04:39:48
L2554370-12L	114	Unknown	?	0.0615	1	1	1	0.6300		2025-09-06T04:40:52
L2554785-01A	115	Unknown	?	0.2051	1	1	1	2.0992		2025-09-06T04:41:58
L2554788-02C	116	Unknown	?	0.2074	1	1	1	2.1222		2025-09-06T04:43:04
L2555529-01K	117	Unknown	?	0.0069	1	1	1	0.0708		2025-09-06T04:44:11
L2555569-01E	118	Unknown	?	0.0261	1	1	1	0.2673		2025-09-06T04:45:18
L2555092-01A	119	Unknown	?	0.1806	1	1	1	1.8486		2025-09-06T04:46:23
CCV NO3	120	QC	1	0.1052	1	1	1	1.0769		2025-09-06T04:47:29
CCV NO2	121	QC	?	0.1123	1	1	1	1.1494		2025-09-06T04:48:34
CCB	122	QC	0	0.0011	1	1	1	0.0118		2025-09-06T04:49:51
L2555902-02H	123	Unknown	?	0.0064	1	1	1	0.0660		2025-09-06T04:50:54
L2555951-01D	124	Unknown	?	0.0045	1	1	1	0.0459		2025-09-06T04:52:01
L2555605-03N	125	Unknown	?	0.6090	1	1	1	6.2317		2025-09-06T04:53:06
CCV NO3	126	QC	1	0.1030	1	1	1	1.0547		2025-09-06T04:54:10
CCV NO2	127	QC	?	0.1081	1	1	1	1.1061		2025-09-06T04:55:15
CCB	128	QC	0	0.0000	1	1	1	0.0002		2025-09-06T04:55:59
Unknown1	129	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T05:05:08
spacer	130	Unknown	?	0.0007	1	1	1	0.0076		2025-09-06T05:06:43
spacer	131	Unknown	?	0.0002	1	1	1	0.0028		2025-09-06T05:07:47

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111362-4	132	Unknown	?	0.0017	1	10	1	0.1768		2025-09-06T05:08:47
WG2111365/367-4	133	Unknown	?	0.0012	1	5	1	0.0623		2025-09-06T05:09:55
CCV NO3	134	QC	1	0.1033	1	1	1	1.0572		2025-09-06T05:11:05
CCV NO2	135	QC	?	0.1108	1	1	1	1.1342		2025-09-06T05:12:11
CCB	136	QC	0	0.0006	1	1	1	0.0069		2025-09-06T05:13:27

Channel: 2-NO2

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T02:35:20
NOx 8.0ppm	2	Standard	?	0.0001	1	1	1	-0.0036		2025-09-06T02:36:59
NOx 4.0ppm	3	Standard	?	0.0001	1	1	1	-0.0041		2025-09-06T02:37:34
NOx 1.0ppm	4	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:38:54
NOx 0.4ppm	5	Standard	?	0.0001	1	1	1	-0.0043		2025-09-06T02:39:54
NOx 0.2ppm	6	Standard	?	0.0001	1	1	1	-0.0044		2025-09-06T02:41:31
NOx 0.1ppm	7	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	?	0.0000	1	1	1	-0.0044		2025-09-06T02:43:22
Nitrite 8.0ppm	9	Standard	8	0.8762	1	1	1	7.3279		2025-09-06T02:44:29
Nitrite 4.0ppm	10	Standard	4	0.4744	1	1	1	3.9657		2025-09-06T02:45:38
Nitrite 1.0ppm	11	Standard	1	0.1269	1	1	1	1.0571		2025-09-06T02:46:44
Nitrite 0.4ppm	12	Standard	0.4	0.0510	1	1	1	0.4222		2025-09-06T02:47:54
Nitrite 0.1ppm	13	Standard	0.1	0.0130	1	1	1	0.1041		2025-09-06T02:49:03
Nitrite 0.05ppm	14	Standard	0.05	0.0064	1	1	1	0.0486		2025-09-06T02:50:12
Nitrite 0.0ppm	15	Standard	0	0.0000	1	1	1	-0.0046		2025-09-06T02:51:25
CCV NO3	16	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T02:52:39
CCV NO2	17	QC	1	0.1268	1	1	1	1.0566		2025-09-06T02:53:33
CCB	18	QC	0	0.0004	1	1	1	-0.0017		2025-09-06T02:54:44
ICV NO3 5.0	19	QC	?	0.0001	1	1	1	-0.0042		2025-09-06T02:55:50
ICV NO2 5.0	20	QC	5	0.5629	1	1	1	4.7060		2025-09-06T02:57:01
ICV NO3 0.5	21	QC	?	0.0012	1	1	1	0.0055		2025-09-06T02:58:08
ICV NO2 0.5	22	QC	0.5	0.0590	1	1	1	0.4893		2025-09-06T02:59:17
ICB	23	QC	0	0.0002	1	1	1	-0.0034		2025-09-06T03:00:26
Diluter CHK 8PPM	24	Unknown	?	0.0001	1	5	1	-0.0196		2025-09-06T03:01:35
BLANK NO3	25	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:03:00
LCS NO3	26	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T03:03:48
BLANK NO2	27	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:05:18
LCS NO2	28	Unknown	?	0.5650	1	1	1	4.7233		2025-09-06T03:06:00
CCV NO3	29	QC	?	0.0015	1	1	1	0.0079		2025-09-06T03:07:06
CCV NO2	30	QC	1	0.1261	1	1	1	1.0505		2025-09-06T03:08:11
CCB	31	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:09:22
WG2111361-1	32	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:10:30
WG2111361-2	33	Unknown	?	0.5668	1	1	1	4.7382		2025-09-06T03:11:36
WG2111362/363-1	34	Unknown	?	0.0013	1	1	1	0.0057		2025-09-06T03:12:42
WG2111362/363-2	35	Unknown	?	0.5688	1	1	1	4.7555		2025-09-06T03:13:46
WG2111364-1	36	Unknown	?	0.0014	1	1	1	0.0073		2025-09-06T03:14:51
WG2111364-2	37	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:15:58
WG2111365/363/368-1	38	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:17:07
WG2111365/365/368-2	39	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:18:11
WG2111367-1	40	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:19:47
WG2111367-2	41	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:21:01
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T03:21:33
CCV NO2	43	QC	1	0.1268	1	1	1	1.0563		2025-09-06T03:22:35
CCB	44	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:23:47
WG2111369-1	45	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:24:53
WG2111369-2	46	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:25:59
L2555605-01N	47	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:27:07
L2555605-02N	48	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:28:13
WG2111365/367-3	49	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:29:20
WG2111365/367-4	50	Unknown	?	0.0022	1	1	1	0.0133		2025-09-06T03:30:23
WG2111362-3	51	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:31:27
WG2111362-4	52	Unknown	?	0.4568	1	1	1	3.8181		2025-09-06T03:32:32
L2zzP605-03N	53	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:33:34
L2555605-04N	54	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:34:39
CCV NO3	55	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T03:35:44
CCV NO2	56	QC	1	0.1274	1	1	1	1.0614		2025-09-06T03:36:50
CCB	57	QC	0	0.0001	1	1	1	-0.0039		2025-09-06T03:37:59
L2555605-05N	58	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T03:39:19

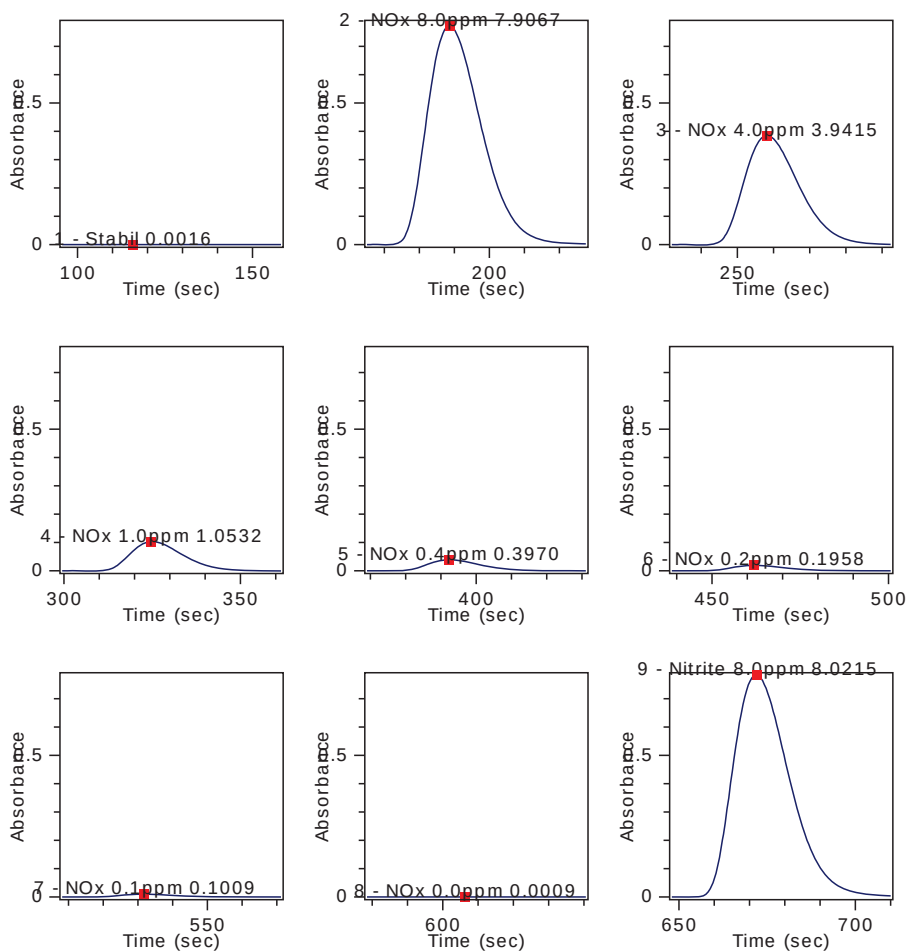
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555605-06N	59	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:40:12
L2555605-07N	60	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:41:20
L2555605-08N	61	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:42:29
L2555382-01A	62	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:43:33
L2555382-02A	63	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:44:38
L2555382-03A	64	Unknown	?	0.0022	1	1	1	0.0136		2025-09-06T03:45:44
L2555382-04A	65	Unknown	?	0.0022	1	1	1	0.0134		2025-09-06T03:46:49
L2555459-01S	66	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:48:11
L2555956-01F	67	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:48:59
CCV NO3	68	QC	?	0.0003	1	1	1	-0.0021		2025-09-06T03:50:44
CCV NO2	69	QC	1	0.1276	1	1	1	1.0628		2025-09-06T03:51:10
CCB	70	QC	0	0.0001	1	1	1	-0.0037		2025-09-06T03:52:19
WG2111364-3	71	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:53:24
WG2111364-4	72	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T03:54:29
WG2111361-3	73	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:55:36
WG2111361-4	74	Unknown	?	0.5039	1	1	1	4.2121		2025-09-06T03:56:41
L2555956-02F	75	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:57:43
L2555956-03F	76	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:58:50
L2555956-04F	77	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T03:59:58
L2555622-01A	78	Unknown	?	0.0088	1	1	1	0.0684		2025-09-06T04:01:05
WG2111366/368-3	79	Unknown	?	0.0088	1	1	1	0.0687		2025-09-06T04:02:11
WG2111366/368-4	80	Unknown	?	0.0086	1	1	1	0.0675		2025-09-06T04:03:17
CCV NO3	81	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T04:04:21
CCV NO2	82	QC	1	0.1286	1	1	1	1.0712		2025-09-06T04:05:27
CCB	83	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:06:37
WG2111363-3	84	Unknown	?	0.0088	1	1	1	0.0686		2025-09-06T04:07:47
WG2111363-4	85	Unknown	?	0.5440	1	1	1	4.5480		2025-09-06T04:08:54
L2555671-01C	86	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:09:59
WG2111369-3	87	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:11:04
WG2111369-4	88	Unknown	?	0.0028	1	1	1	0.0185		2025-09-06T04:12:10
L2555671-02C	89	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:13:15
L2555671-03C	90	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:14:17
L2555671-04C	91	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:15:24

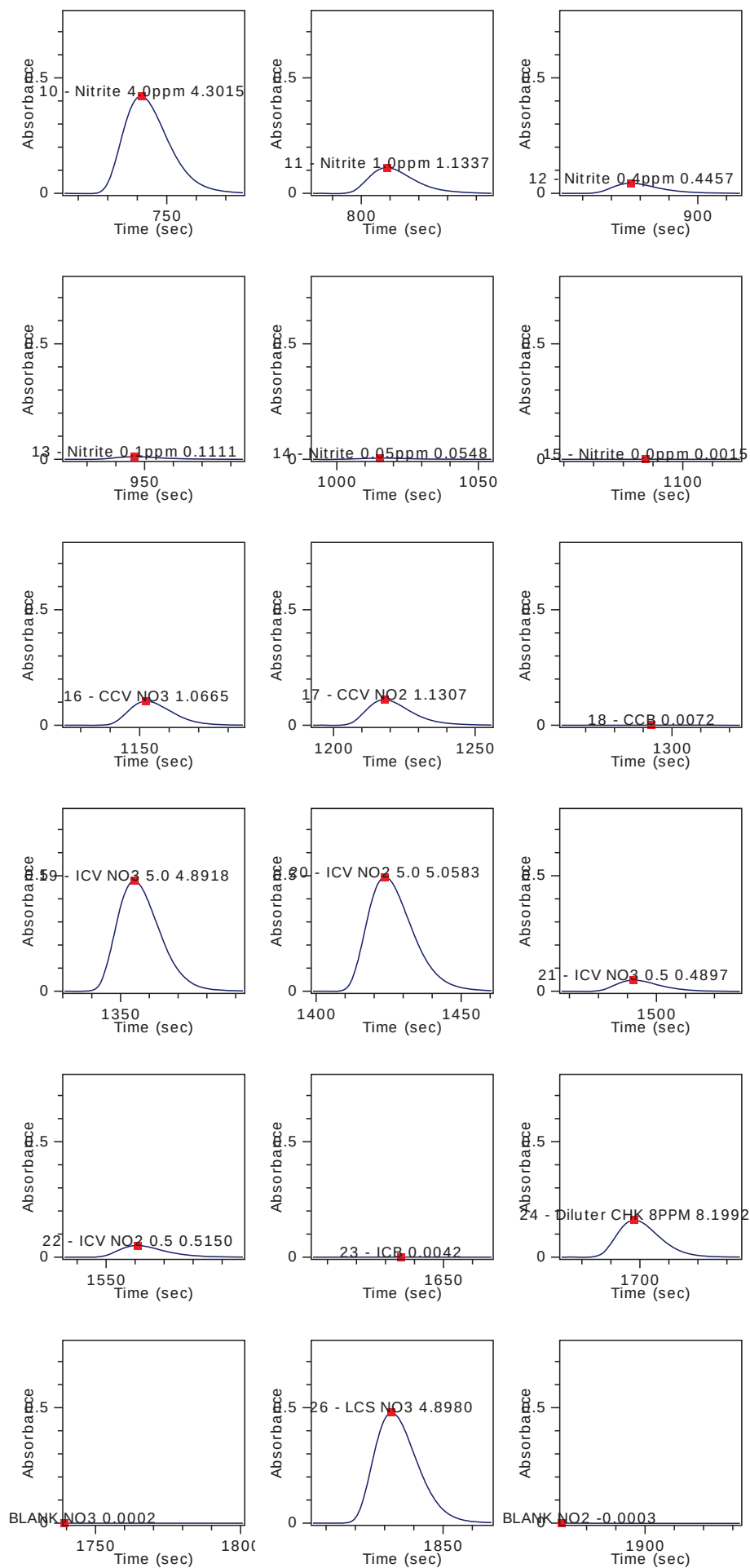
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555260-01C	92	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T04:16:25
L2555260-03C	93	Unknown	?	0.0003	1	1	1	-0.0026		2025-09-06T04:17:30
CCV NO3	94	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T04:18:38
CCV NO2	95	QC	1	0.1278	1	1	1	1.0648		2025-09-06T04:19:40
CCB	96	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:20:53
L2555260-05C	97	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T04:22:01
WG2111367-5	98	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:23:08
WG2111367-6	99	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:24:16
L2554370-01L	100	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:25:23
L2554370-02L	101	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T04:26:28
L2554370-03L	102	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:27:34
L2554370-04L	103	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:28:40
L2554370-05L	104	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:29:43
L2554370-06L	105	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:30:49
L2554370-07L	106	Unknown	?	0.0003	1	1	1	-0.0021		2025-09-06T04:31:55
CCV NO3	107	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:33:05
CCV NO2	108	QC	1	0.1280	1	1	1	1.0664		2025-09-06T04:34:05
CCB	109	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:35:13
L2554370-08L	110	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:36:20
L2554370-09L	111	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T04:37:25
L2554370-10L	112	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:38:29
L2554370-11L	113	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:39:33
L2554370-12L	114	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T04:40:34
L2554785-01A	115	Unknown	?	0.0003	1	1	1	-0.0019		2025-09-06T04:41:45
L2554788-02C	116	Unknown	?	0.0007	1	1	1	0.0012		2025-09-06T04:42:52
L2555529-01K	117	Unknown	?	0.0006	1	1	1	0.0004		2025-09-06T04:43:57
L2555569-01E	118	Unknown	?	0.0003	1	1	1	-0.0025		2025-09-06T04:45:04
L2555092-01A	119	Unknown	?	0.0017	1	1	1	0.0092		2025-09-06T04:46:11
CCV NO3	120	QC	?	0.0001	1	1	1	-0.0041		2025-09-06T04:47:17
CCV NO2	121	QC	1	0.1287	1	1	1	1.0720		2025-09-06T04:48:21
CCB	122	QC	0	0.0007	1	1	1	0.0012		2025-09-06T04:49:32
L2555902-02H	123	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:50:40
L2555951-01D	124	Unknown	?	0.0004	1	1	1	-0.0015		2025-09-06T04:51:49

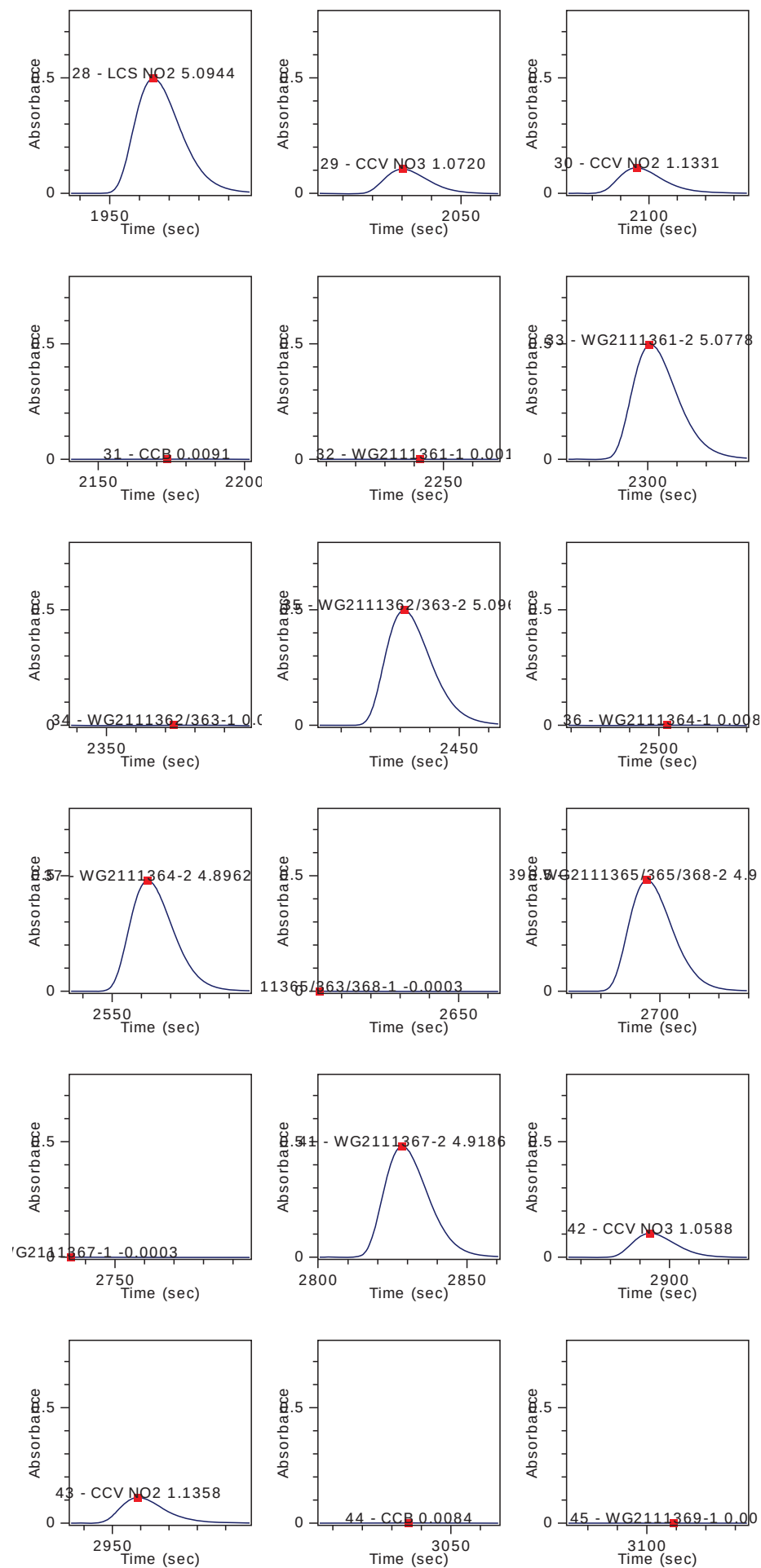
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L2555605-03N	125	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T04:52:52
CCV NO3	126	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:53:59
CCV NO2	127	QC	1	0.1292	1	1	1	1.0766		2025-09-06T04:55:03
CCB	128	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:56:16
Unknown1	129	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T05:06:03
spacer	130	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:06:29
spacer	131	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:07:34
WG2111362-4	132	Unknown	?	0.0016	1	10	1	0.0863		2025-09-06T05:08:43
WG2111365/367-4	133	Unknown	?	0.0019	1	5	1	0.0544		2025-09-06T05:09:51
CCV NO3	134	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T05:10:46
CCV NO2	135	QC	1	0.1283	1	1	1	1.0687		2025-09-06T05:11:59
CCB	136	QC	0	0.0008	1	1	1	0.0016		2025-09-06T05:13:09

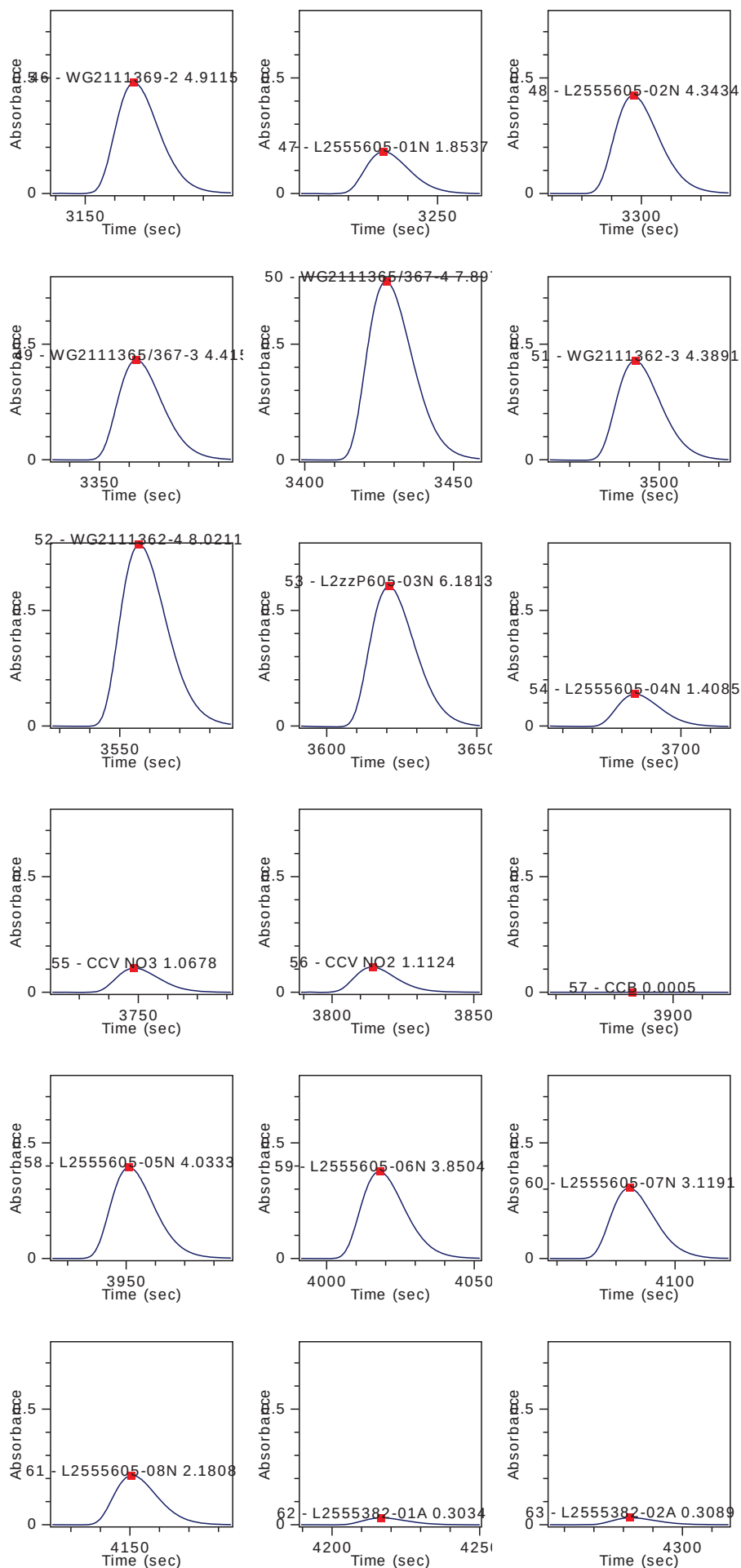
Peaks:

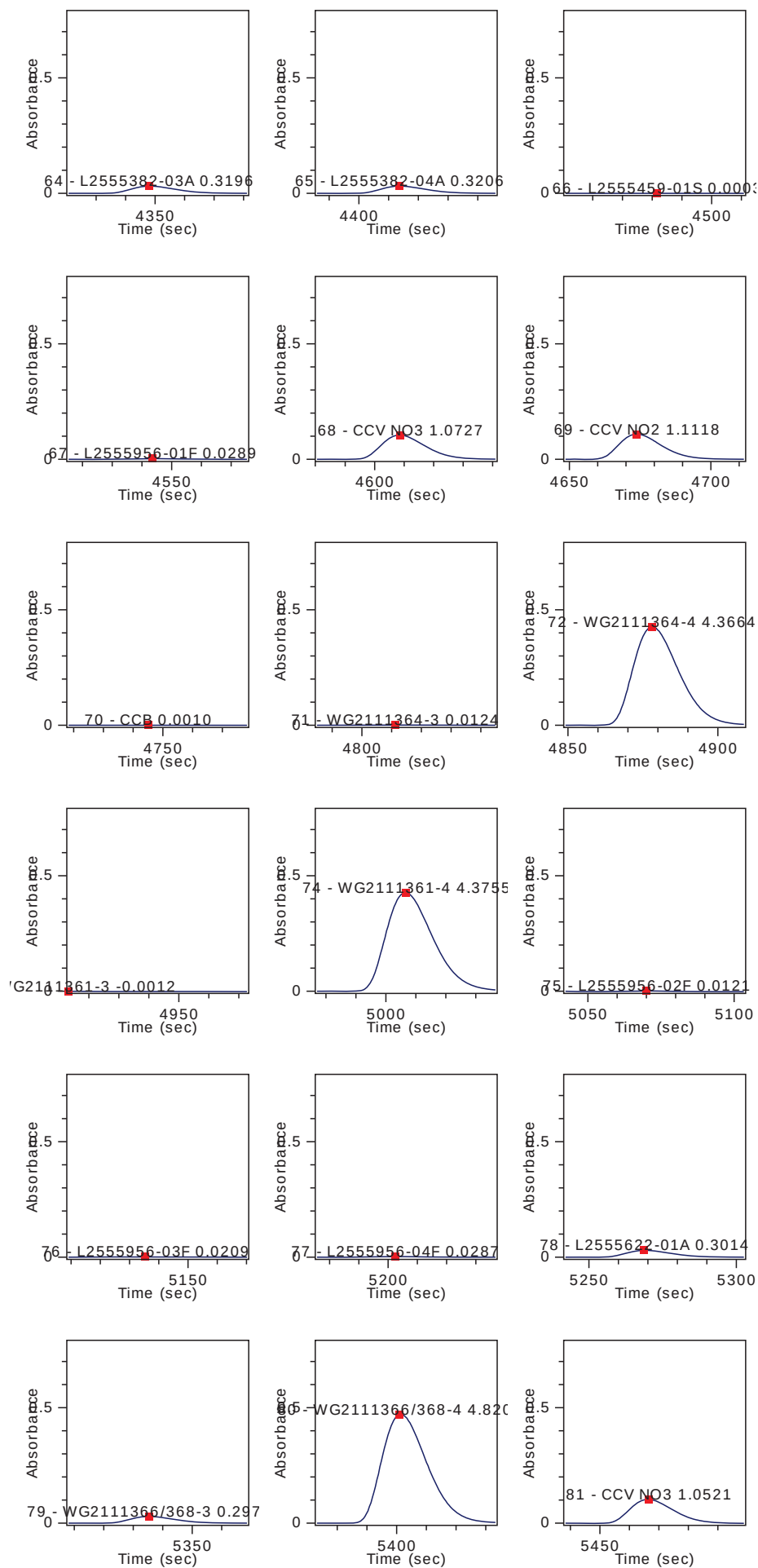
Channel: 1-NOx

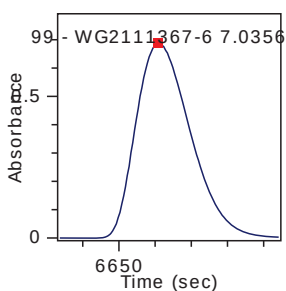
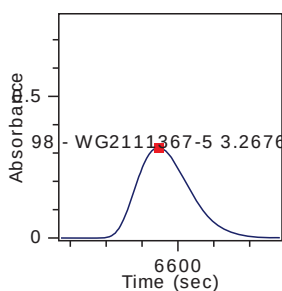
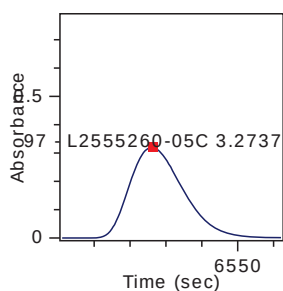
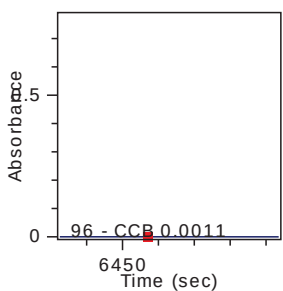
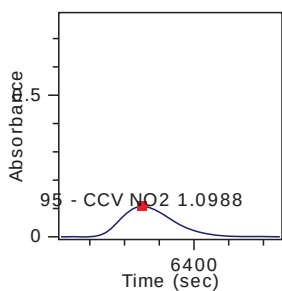
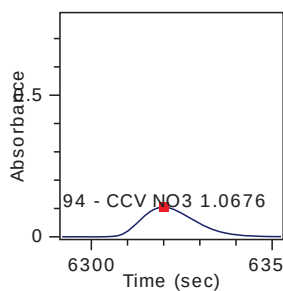
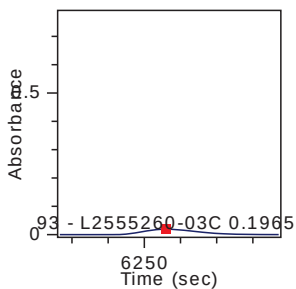
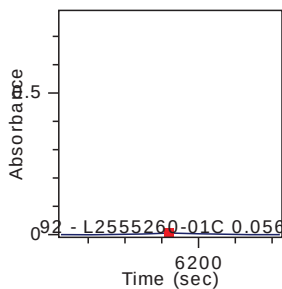
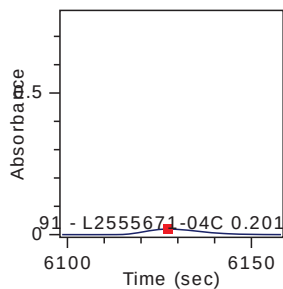
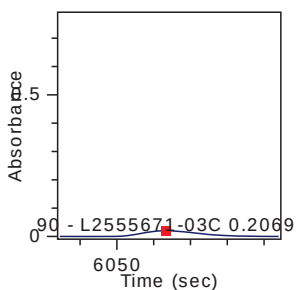
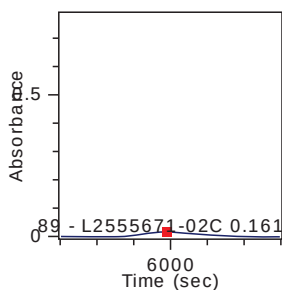
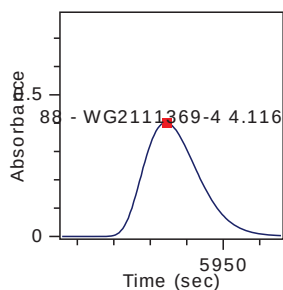
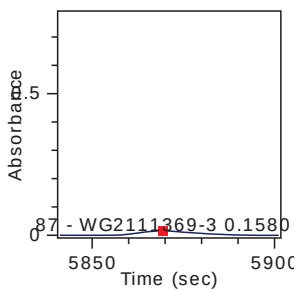
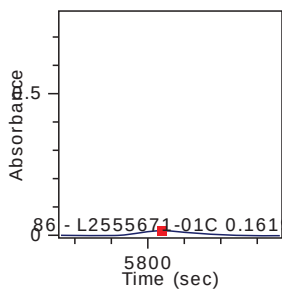
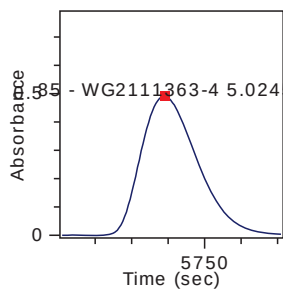
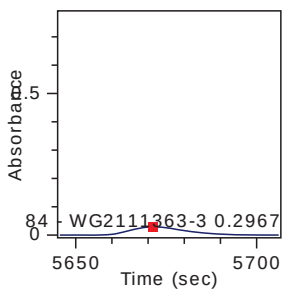
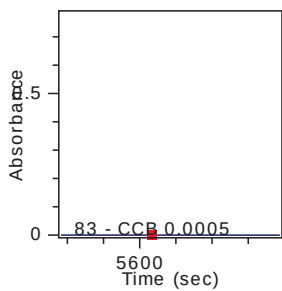
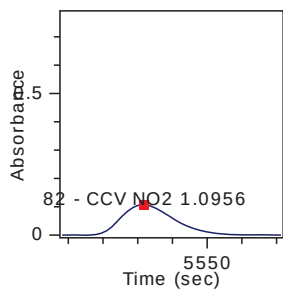


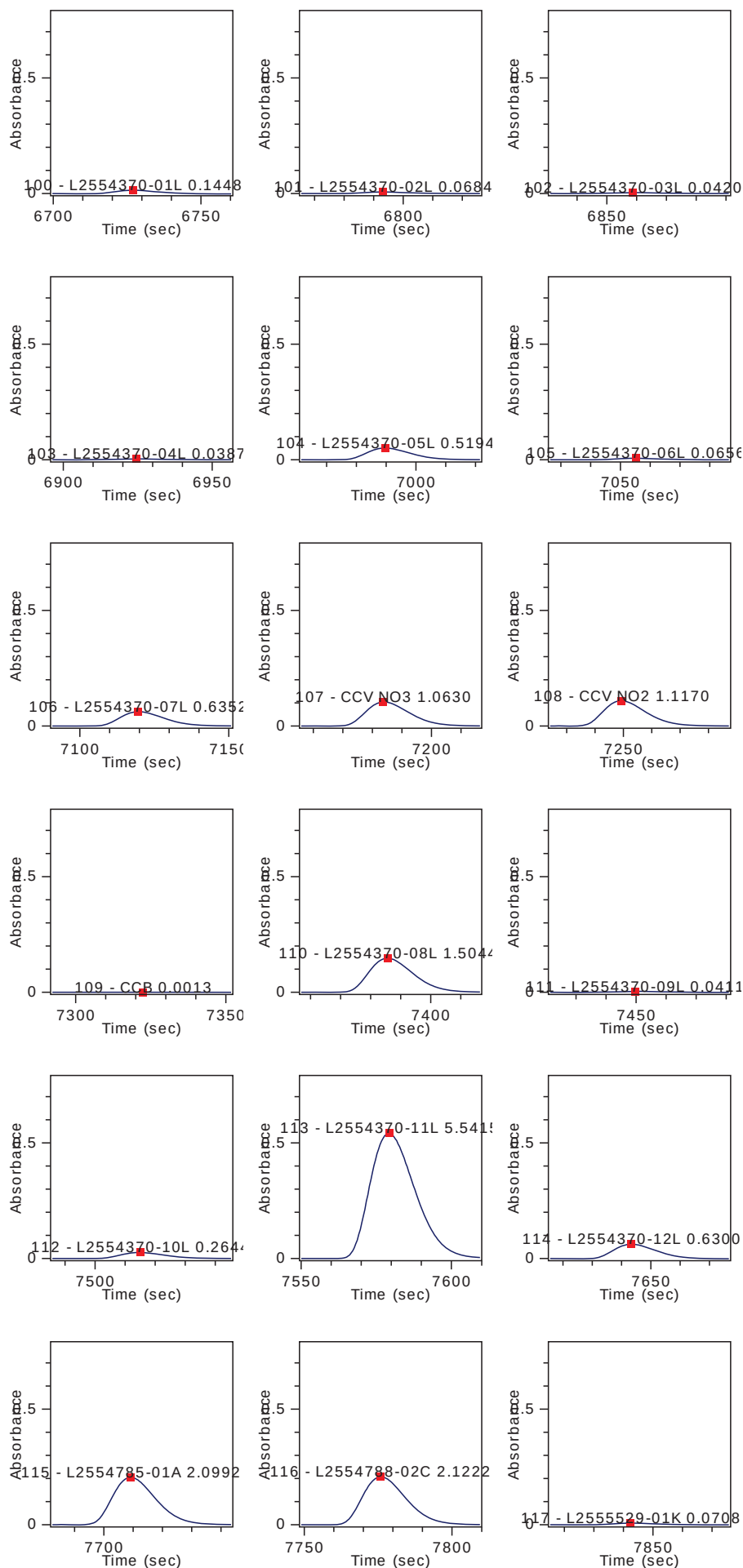


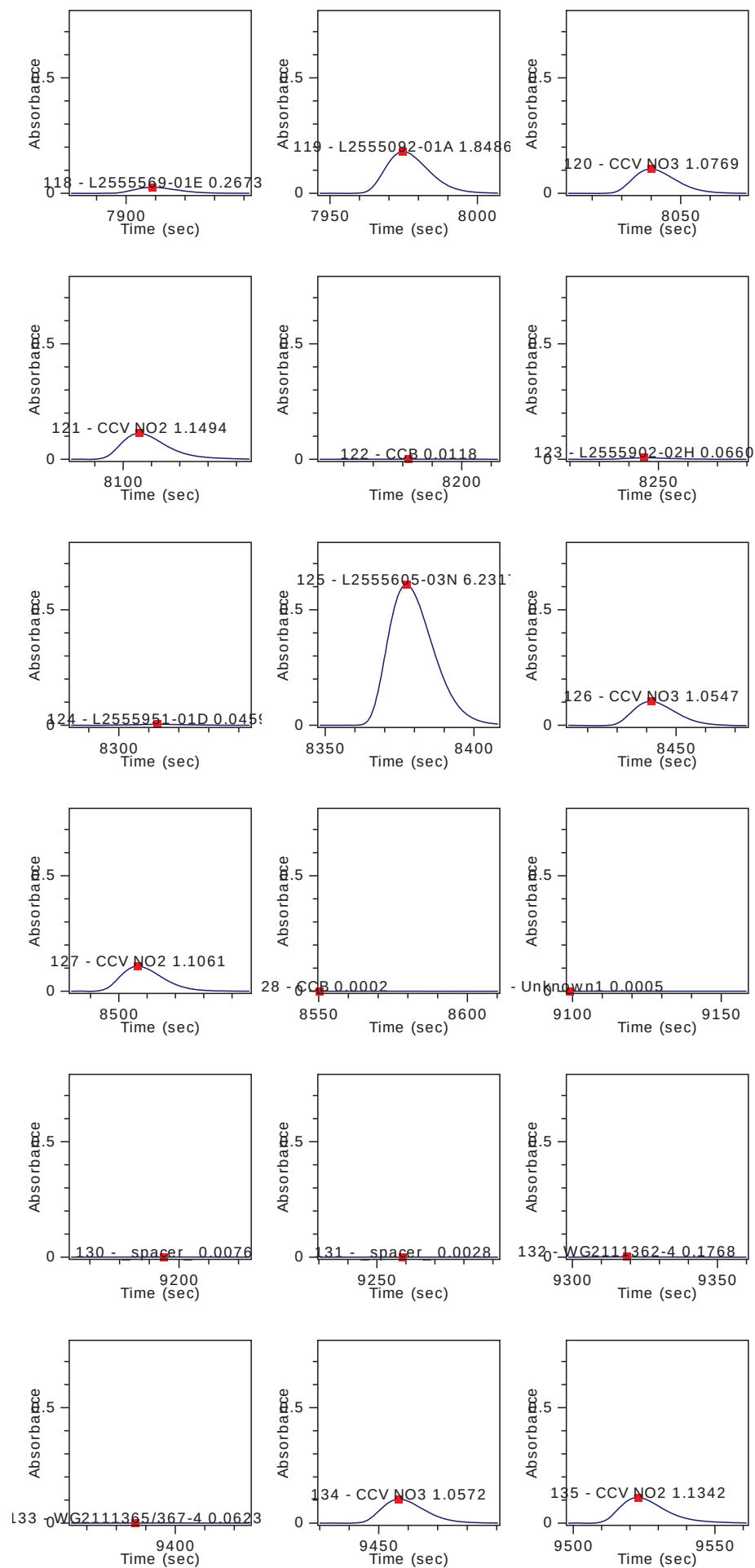


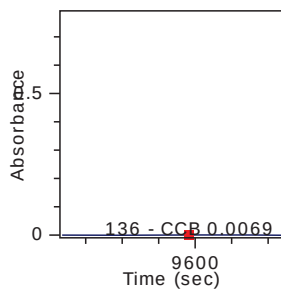




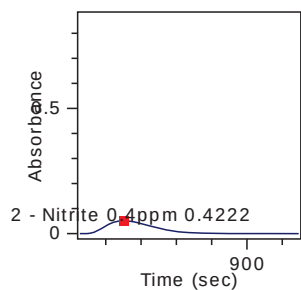
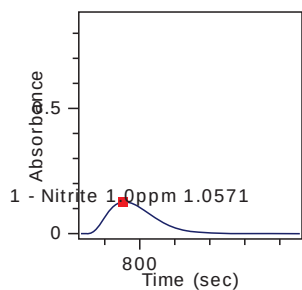
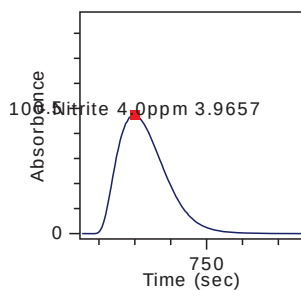
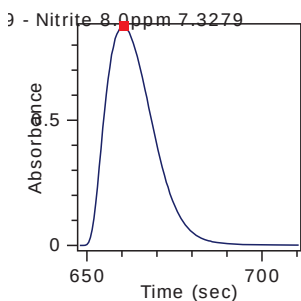
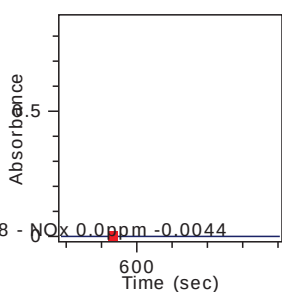
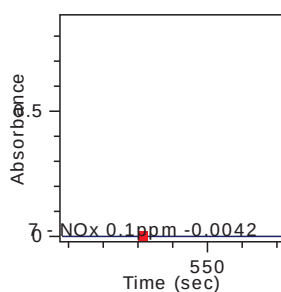
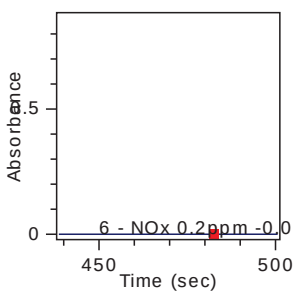
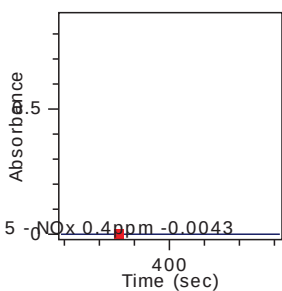
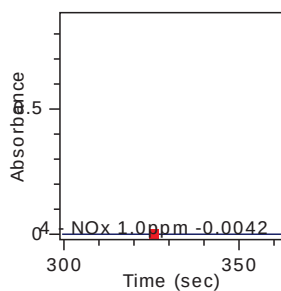
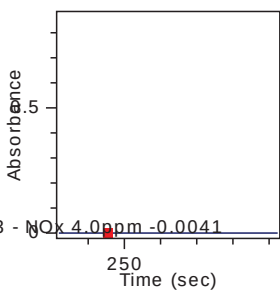
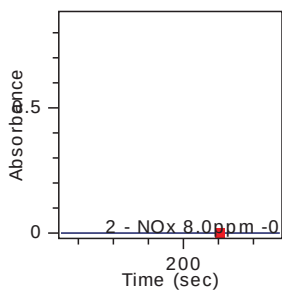
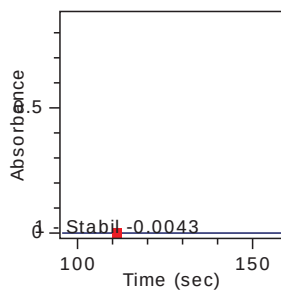


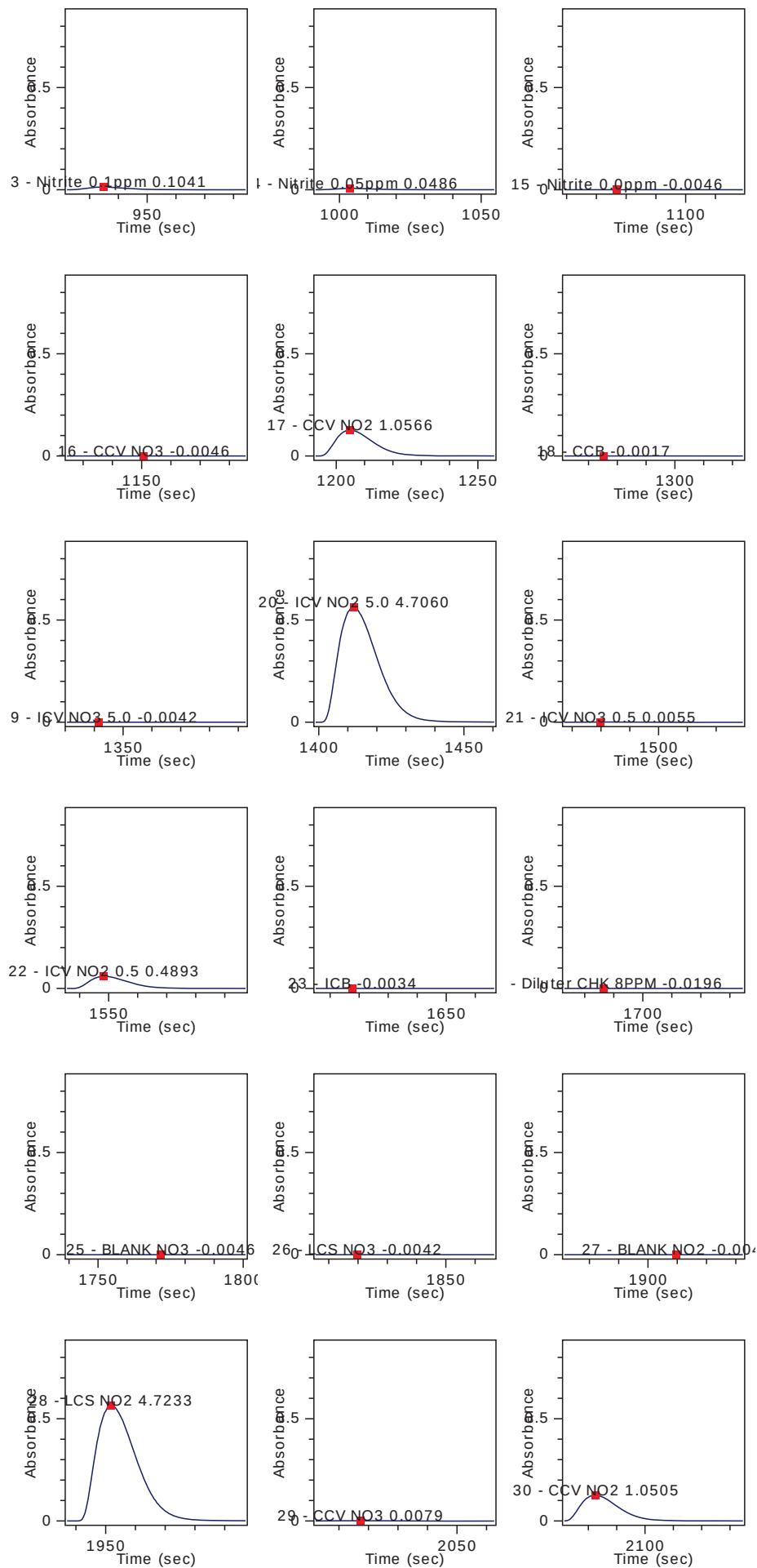


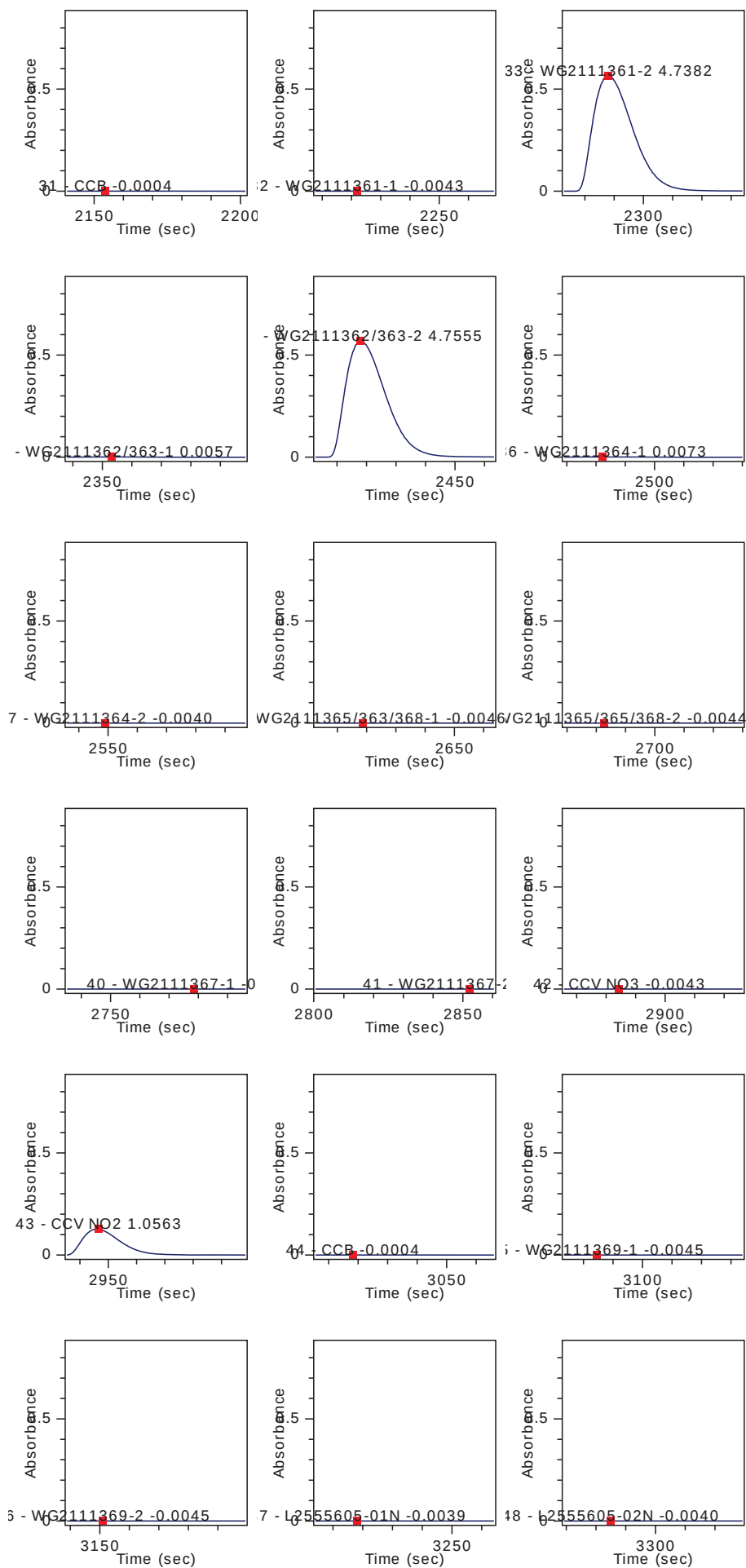


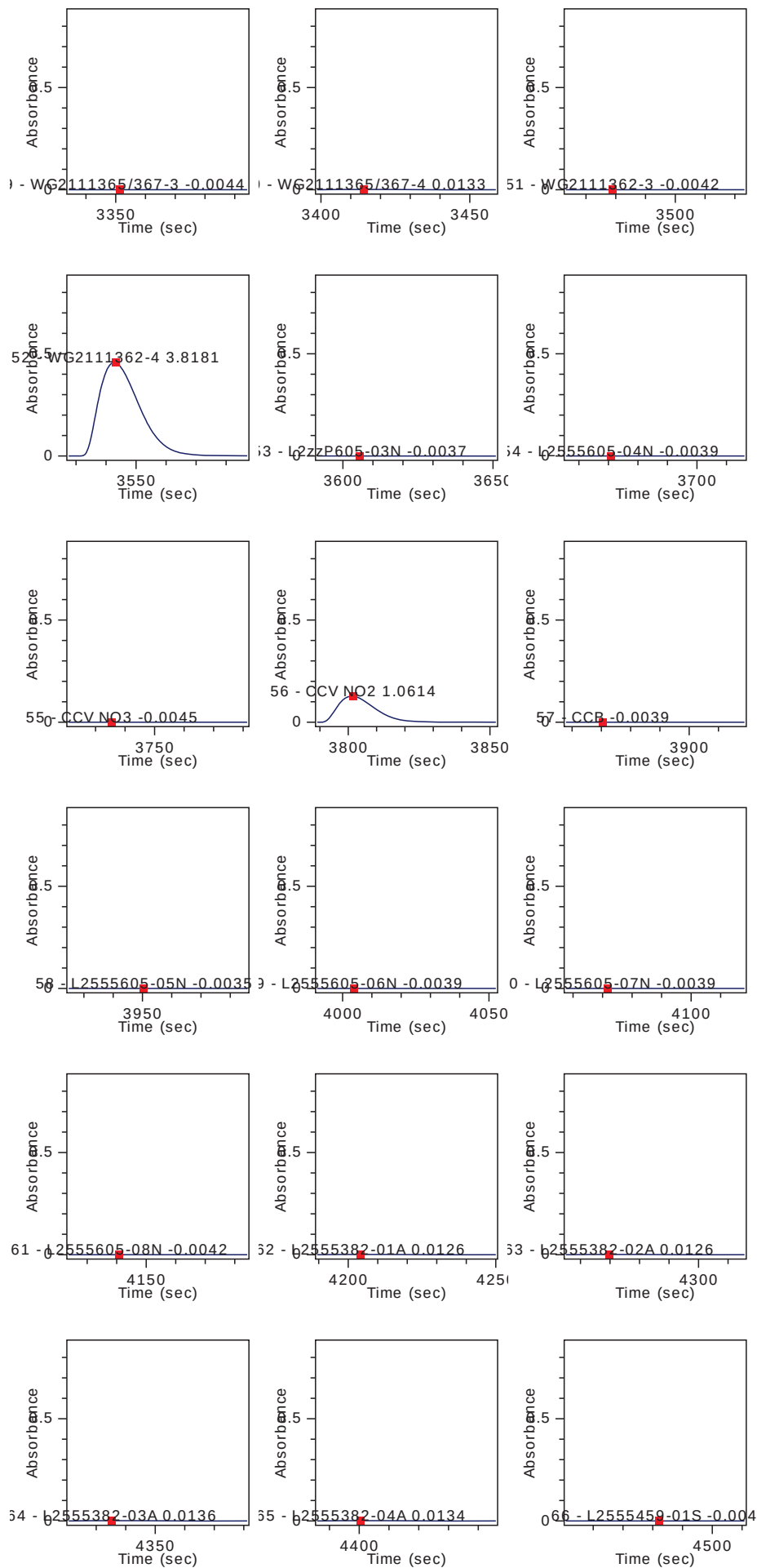


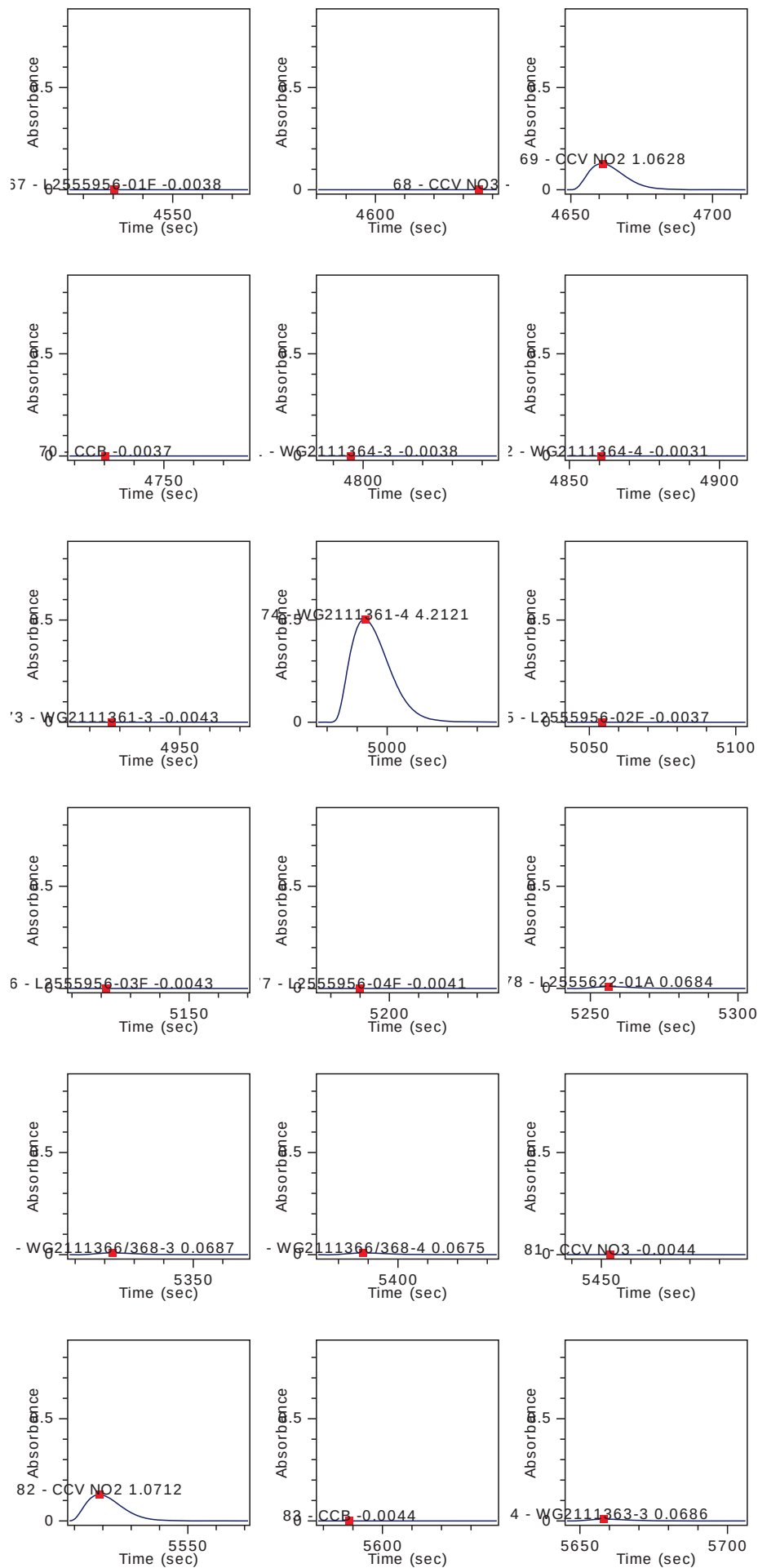
Channel: 2-NO2

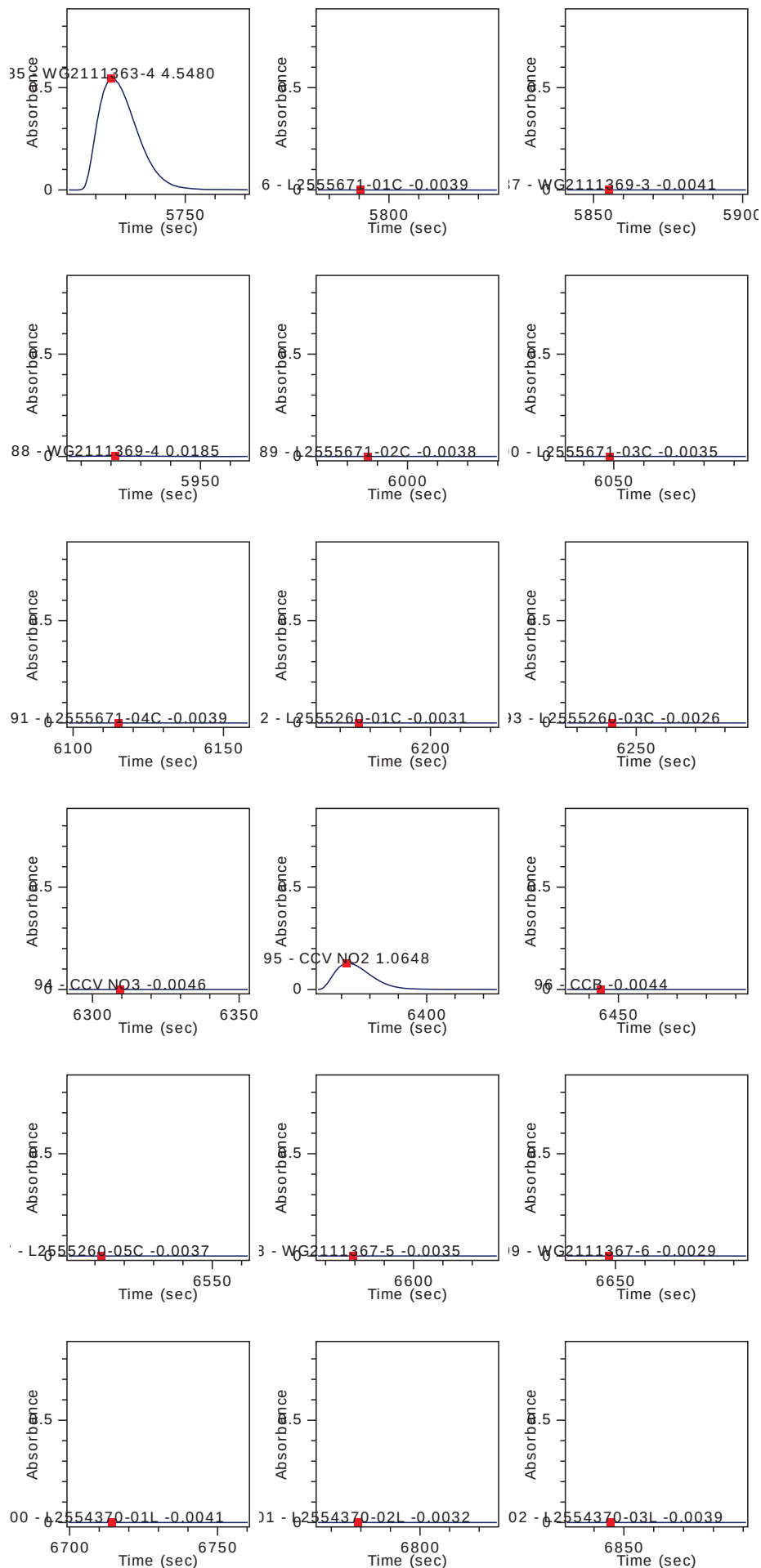


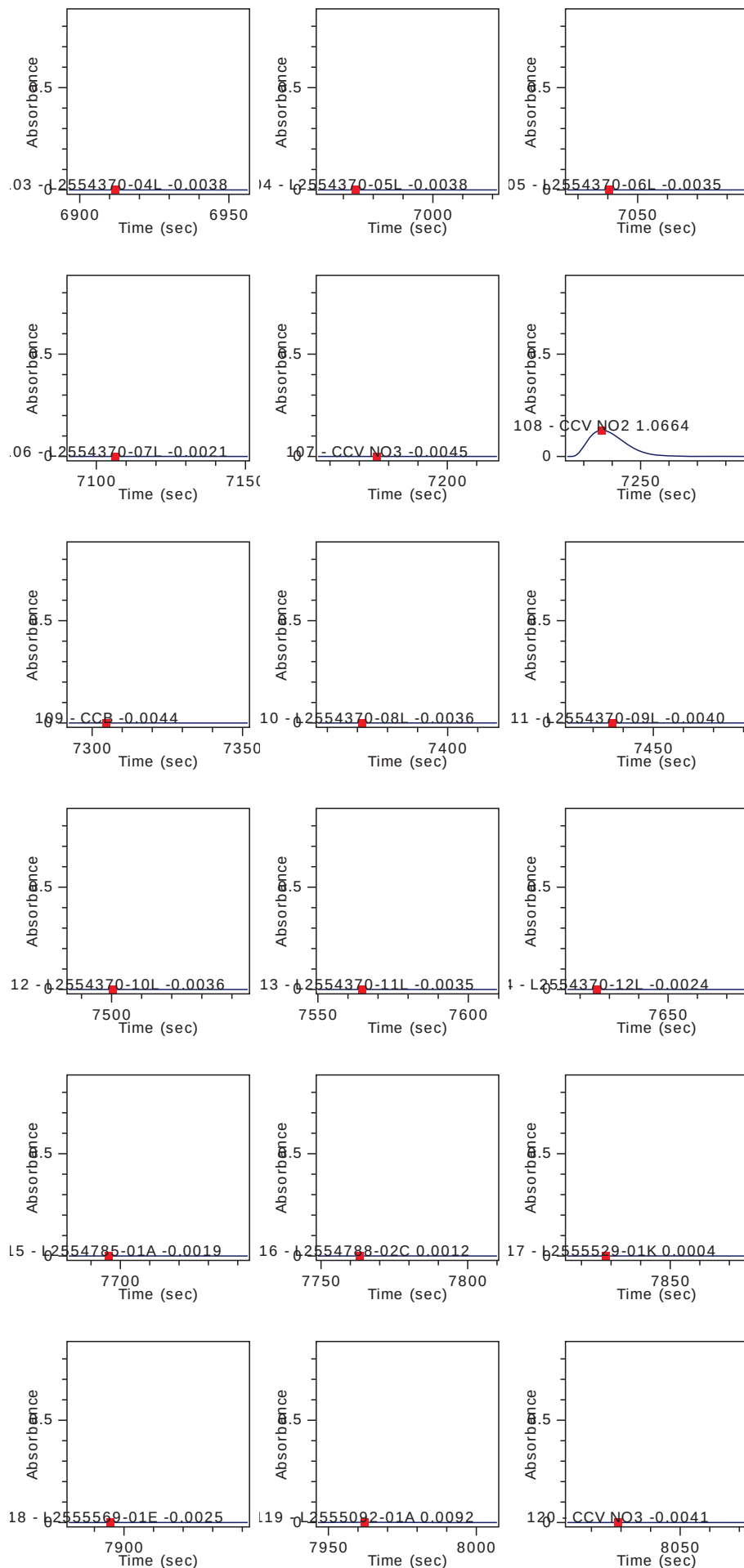


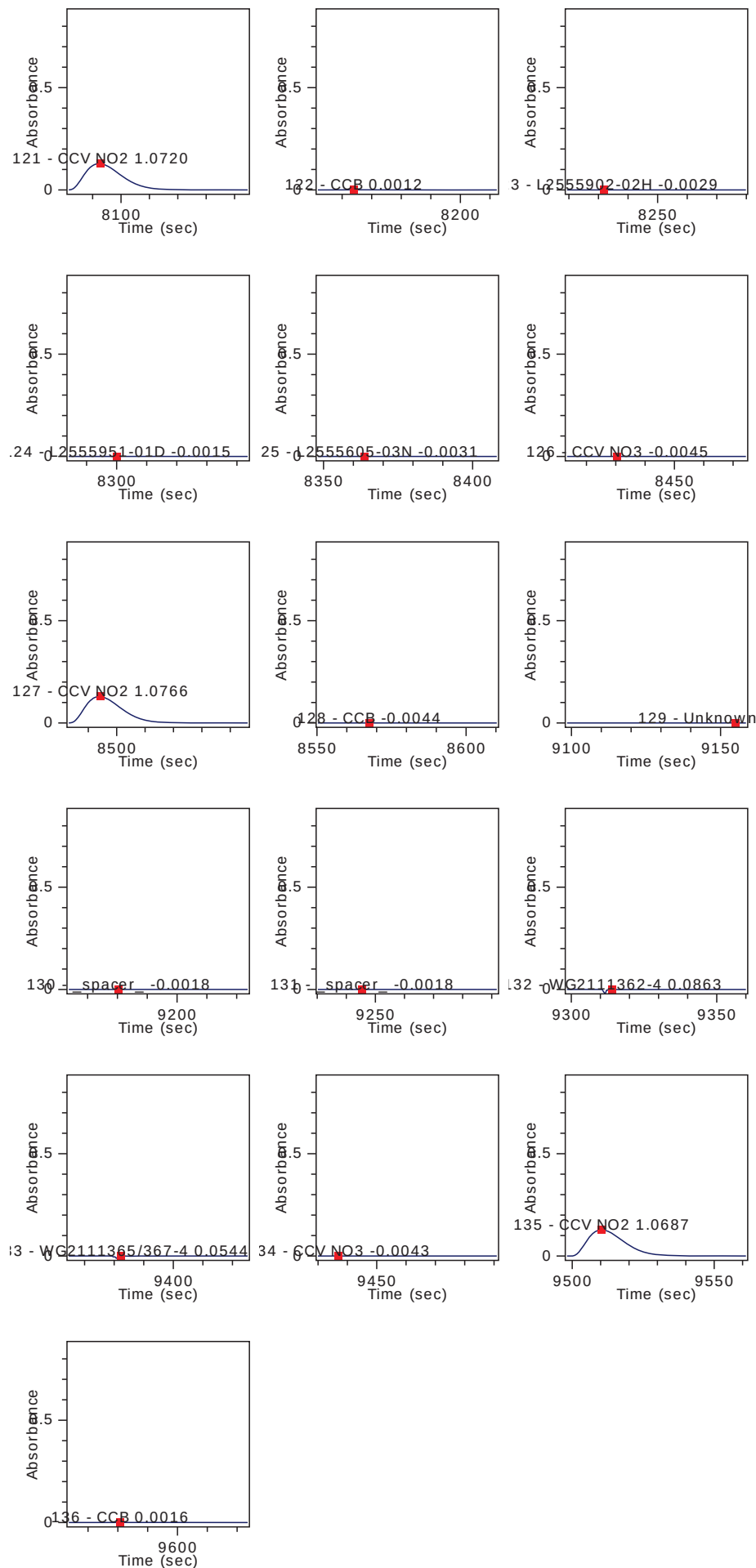












Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T02:33:29

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash

Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject

Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up

Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample

Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject

Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse

Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:36

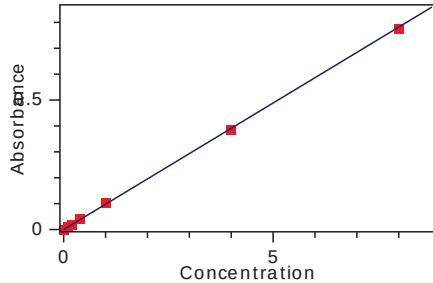
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
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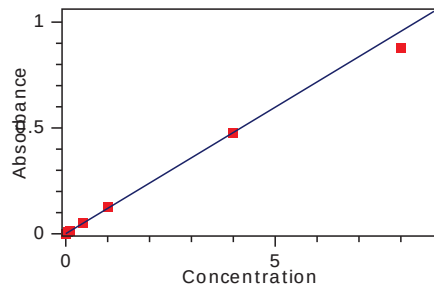
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	N/A
10002	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	N/A
10003	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	N/A
10004	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	N/A
10005	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	N/A
10006	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	N/A



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	N/A
10002	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	N/A
10003	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	N/A
10004	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	N/A
10005	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	N/A
10006	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	N/A
10007	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0002	1	1	1	0.0025		2025-09-06T07:21:15
CCV NO3	2	QC	1	0.1049	1	1	1	1.0735		2025-09-06T07:22:28
CCV NO2	3	QC	?	0.1104	1	1	1	1.1304		2025-09-06T07:23:34
CCB	4	QC	0	0.0009	1	1	1	0.0091		2025-09-06T07:24:49

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111365/367-4	5	Unknown	?	0.1617	1	5	1	8.2740		2025-09-06T07:25:52
WG2111400-1	6	Unknown	?	0.0000	1	1	1	0.0001		2025-09-06T07:26:31
WG2111400-2	7	Unknown	?	0.4844	1	1	1	4.9570		2025-09-06T07:28:04
WG2111401-1	8	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T07:28:41
WG2111401-2	9	Unknown	?	0.4862	1	1	1	4.9758		2025-09-06T07:30:14
L2554780-02A	10	Unknown	?	0.6651	1	1	1	6.8060		2025-09-06T07:31:20
WG2111400-3	11	Unknown	?	0.6590	1	1	1	6.7436		2025-09-06T07:32:24
WG2111400-4	12	Unknown	?	0.9648	1	1	1	9.8732	OVR	2025-09-06T07:33:29
L2554800-01A	13	Unknown	?	1.3422	1	1	1	13.7344	OVR	2025-09-06T07:34:34
L2554949-01A	14	Unknown	?	0.0325	1	1	1	0.3327		2025-09-06T07:35:39
CCV NO3	15	QC	1	0.1035	1	1	1	1.0600		2025-09-06T07:36:45
CCV NO2	16	QC	?	0.1099	1	1	1	1.1249		2025-09-06T07:37:51
CCB	17	QC	0	0.0007	1	1	1	0.0075		2025-09-06T07:39:04
L2554949-02A	18	Unknown	?	0.0316	1	1	1	0.3238		2025-09-06T07:40:09
L2555006-01A	19	Unknown	?	0.0068	1	1	1	0.0697		2025-09-06T07:41:17
L2555051-02A	20	Unknown	?	0.1038	1	1	1	1.0622		2025-09-06T07:42:23
L2555051-04A	21	Unknown	?	0.0399	1	1	1	0.4088		2025-09-06T07:43:29
L2555051-07A	22	Unknown	?	0.0511	1	1	1	0.5231		2025-09-06T07:44:34
L2555094-01A	23	Unknown	?	0.1765	1	1	1	1.8067		2025-09-06T07:45:40
WG2111400-5	24	Unknown	?	0.1761	1	1	1	1.8019		2025-09-06T07:46:46
WG2111400-6	25	Unknown	?	0.5597	1	1	1	5.7280		2025-09-06T07:47:51
L2555094-02B	26	Unknown	?	0.9937	1	1	1	10.1689	OVR	2025-09-06T07:48:56
L2555509-02B	27	Unknown	?	0.0118	1	1	1	0.1215		2025-09-06T07:50:02
CCV NO3	28	QC	1	0.1031	1	1	1	1.0551		2025-09-06T07:51:06
CCV NO2	29	QC	?	0.1063	1	1	1	1.0879		2025-09-06T07:52:12
CCB	30	QC	0	0.0001	1	1	1	0.0011		2025-09-06T07:53:23
L2555509-03B	31	Unknown	?	0.3455	1	1	1	3.5354		2025-09-06T07:54:31
CCV NO3	32	QC	1	0.1021	1	1	1	1.0447		2025-09-06T07:55:36
CCV NO2	33	QC	?	0.1061	1	1	1	1.0859		2025-09-06T07:56:42
CCB	34	QC	0	0.0001	1	1	1	0.0009		2025-09-06T07:57:52
spacer	35	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T08:06:31
spacer	36	Unknown	?	0.0004	1	1	1	0.0049		2025-09-06T08:07:55
WG2111400-4	37	Unknown	?	0.1036	1	10	1	10.6067		2025-09-06T08:09:04

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554800-01A	38	Unknown	?	0.1888	1	10	1	19.3230		2025-09-06T08:10:13
L2555094-02B	39	Unknown	?	0.1104	1	10	1	11.2998		2025-09-06T08:11:21
L2554949-01A	40	Unknown	?	0.0363	1	1	1	0.3720		2025-09-06T08:12:29
L2555509-02B	41	Unknown	?	0.0146	1	1	1	0.1500		2025-09-06T08:13:35
CCV NO3	42	QC	1	0.1025	1	1	1	1.0490		2025-09-06T08:14:39
CCV NO2	43	QC	?	0.1056	1	1	1	1.0805		2025-09-06T08:15:44
CCB	44	QC	0	0.0001	1	1	1	0.0009		2025-09-06T08:16:57

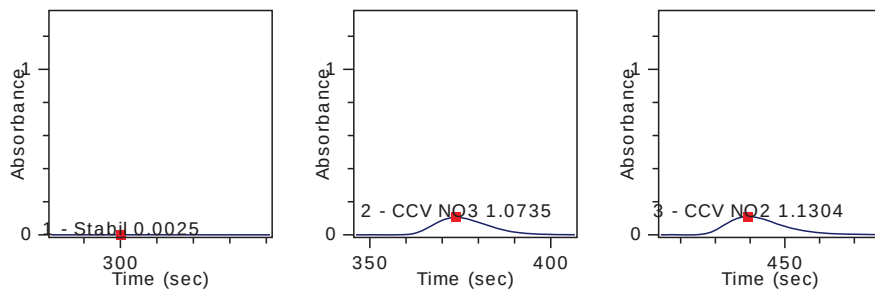
Channel: 2-NO2

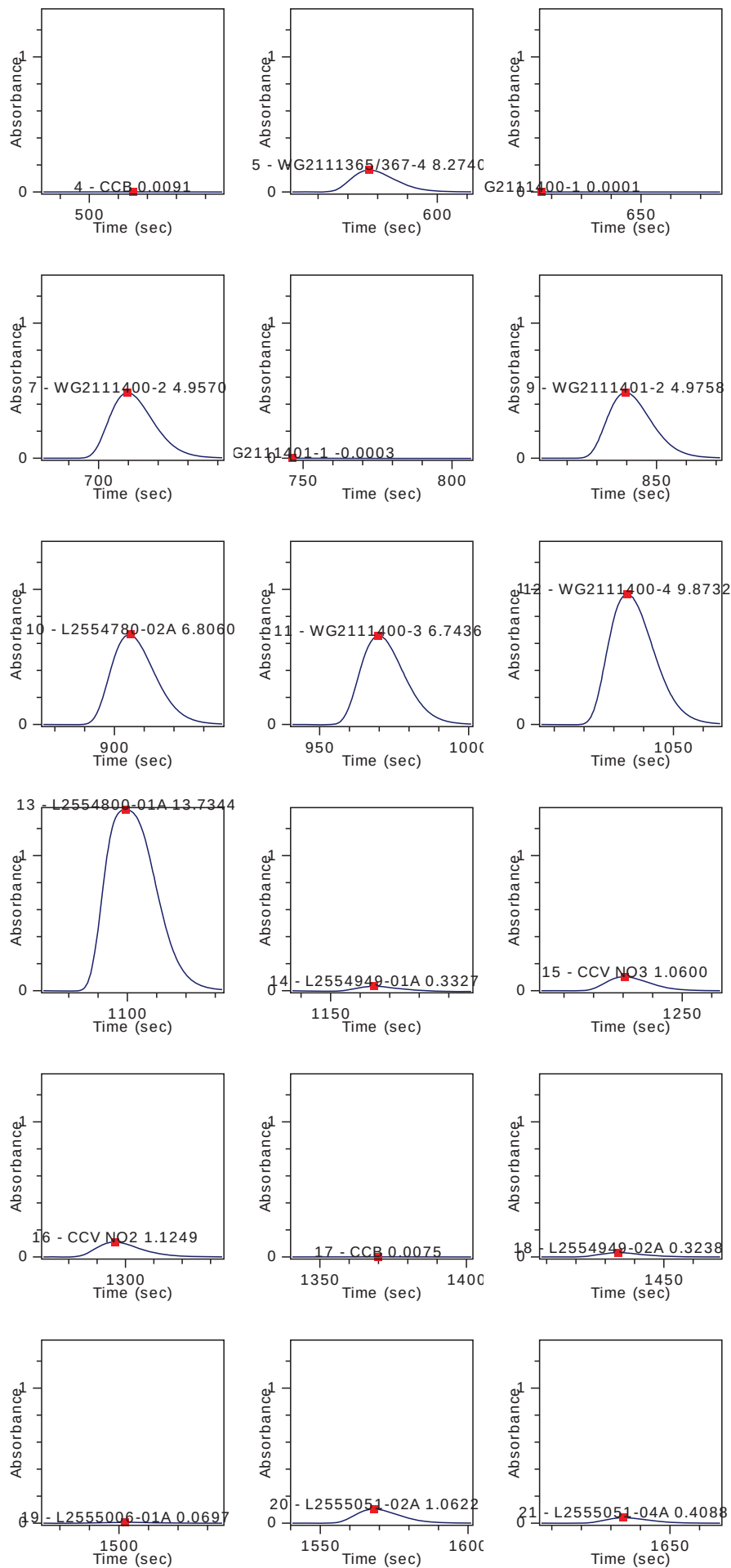
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T07:20:56
CCV NO3	2	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T07:22:15
CCV NO2	3	QC	1	0.1275	1	1	1	1.0624		2025-09-06T07:23:21
CCB	4	QC	0	0.0006	1	1	1	0.0004		2025-09-06T07:24:32
WG2111365/367-4	5	Unknown	?	0.0006	1	5	1	0.0012		2025-09-06T07:25:40
WG2111400-1	6	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T07:27:30
WG2111400-2	7	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T07:28:20
WG2111401-1	8	Unknown	?	0.0001	1	1	1	-0.0044		2025-09-06T07:29:05
WG2111401-2	9	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T07:30:18
L2554780-02A	10	Unknown	?	0.0037	1	1	1	0.0263		2025-09-06T07:31:07
WG2111400-3	11	Unknown	?	0.0039	1	1	1	0.0280		2025-09-06T07:32:11
WG2111400-4	12	Unknown	?	0.0037	1	1	1	0.0266		2025-09-06T07:33:15
L2554800-01A	13	Unknown	?	0.0433	1	1	1	0.3577		2025-09-06T07:34:20
L2554949-01A	14	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T07:35:26
CCV NO3	15	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T07:36:47
CCV NO2	16	QC	1	0.1276	1	1	1	1.0632		2025-09-06T07:37:38
CCB	17	QC	0	0.0006	1	1	1	-0.0001		2025-09-06T07:38:49
L2554949-02A	18	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T07:39:55
L2555006-01A	19	Unknown	?	0.0004	1	1	1	-0.0014		2025-09-06T07:41:02
L2555051-02A	20	Unknown	?	0.0399	1	1	1	0.3295		2025-09-06T07:42:10
L2555051-04A	21	Unknown	?	0.0025	1	1	1	0.0159		2025-09-06T07:43:14
L2555051-07A	22	Unknown	?	0.0043	1	1	1	0.0310		2025-09-06T07:44:21
L2555094-01A	23	Unknown	?	0.0058	1	1	1	0.0441		2025-09-06T07:45:27
WG2111400-5	24	Unknown	?	0.0058	1	1	1	0.0441		2025-09-

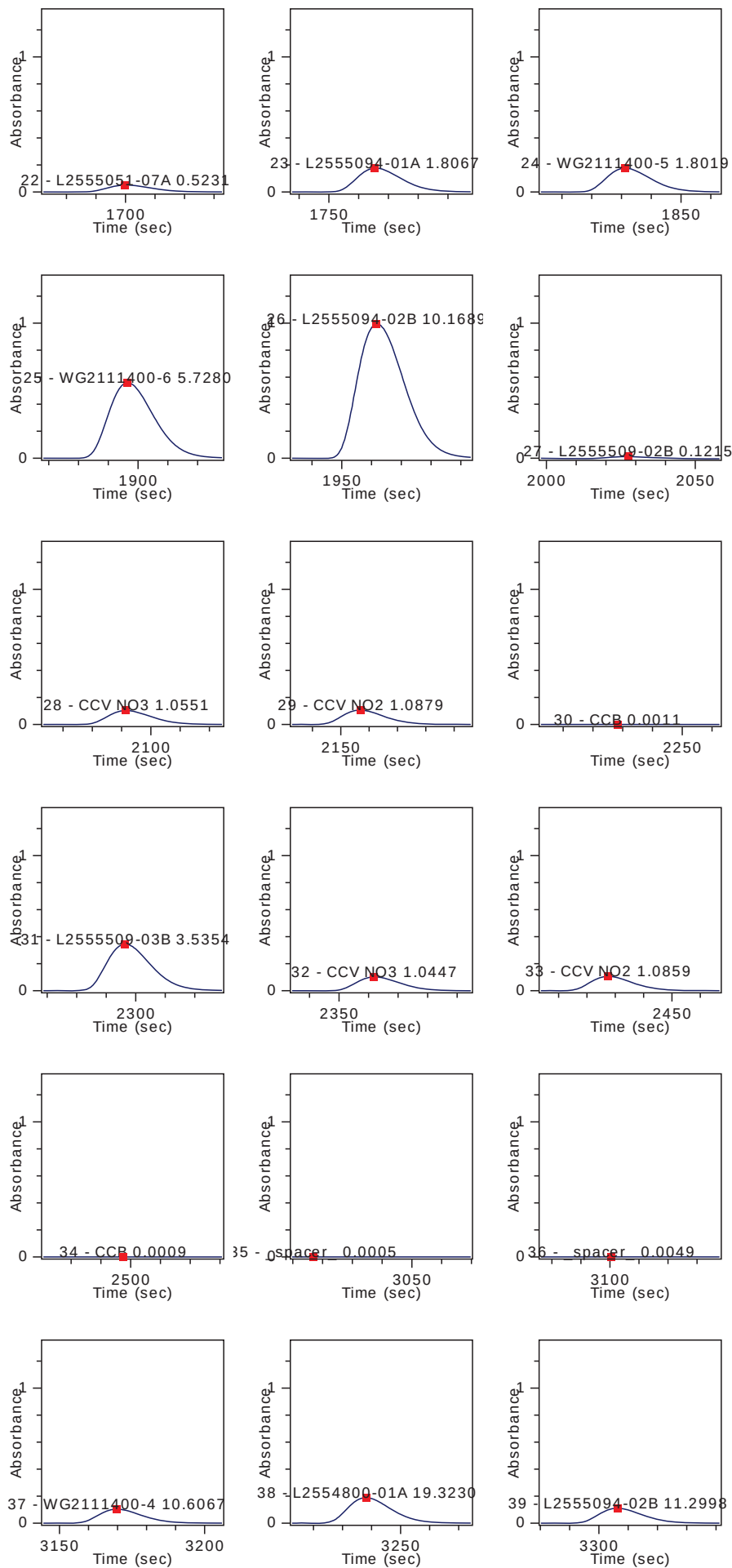
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T07:46:33
WG2111400-6	25	Unknown	?	0.0057	1	1	1	0.0433		2025-09-06T07:47:38
L2555094-02B	26	Unknown	?	0.0696	1	1	1	0.5775		2025-09-06T07:48:43
L255509-02B	27	Unknown	?	0.0009	1	1	1	0.0028		2025-09-06T07:49:48
CCV NO3	28	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T07:50:54
CCV NO2	29	QC	1	0.1269	1	1	1	1.0571		2025-09-06T07:51:59
CCB	30	QC	0	0.0001	1	1	1	-0.0041		2025-09-06T07:53:12
L255509-03B	31	Unknown	?	0.0324	1	1	1	0.2664		2025-09-06T07:54:18
CCV NO3	32	QC	?	0.0001	1	1	1	-0.0037		2025-09-06T07:55:24
CCV NO2	33	QC	1	0.1265	1	1	1	1.0539		2025-09-06T07:56:29
CCB	34	QC	0	0.0001	1	1	1	-0.0043		2025-09-06T07:57:41
spacer	35	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T08:07:22
spacer	36	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T08:07:45
WG2111400-4	37	Unknown	?	0.0004	1	10	1	-0.0132		2025-09-06T08:08:54
L2554800-01A	38	Unknown	?	0.0044	1	10	1	0.3213		2025-09-06T08:10:01
L2555094-02B	39	Unknown	?	0.0069	1	10	1	0.5335		2025-09-06T08:11:09
L2554949-01A	40	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T08:12:16
L255509-02B	41	Unknown	?	0.0009	1	1	1	0.0031		2025-09-06T08:13:20
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0038		2025-09-06T08:14:27
CCV NO2	43	QC	1	0.1254	1	1	1	1.0451		2025-09-06T08:15:31
CCB	44	QC	0	0.0002	1	1	1	-0.0033		2025-09-06T08:16:42

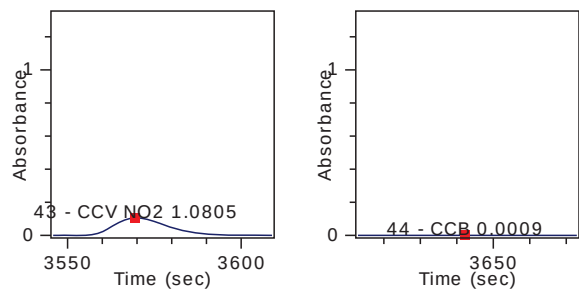
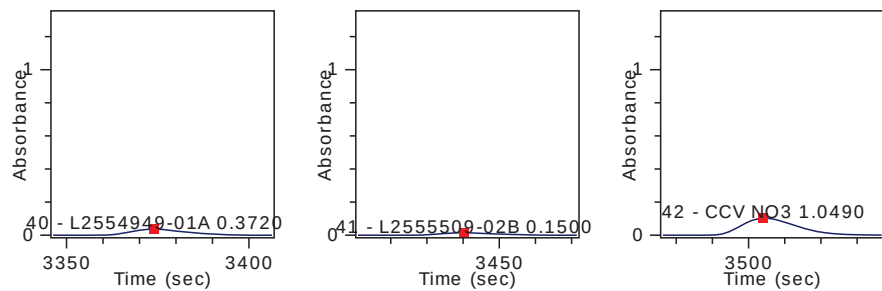
Peaks:

Channel: 1-NOx

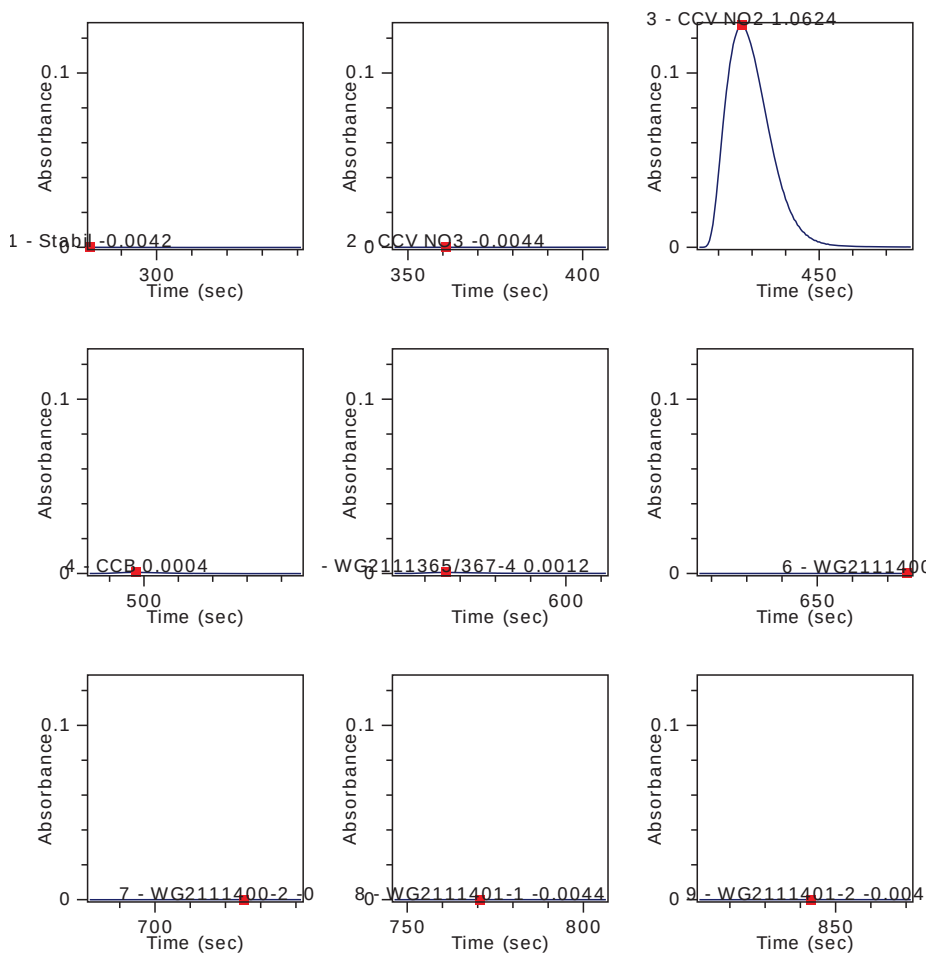


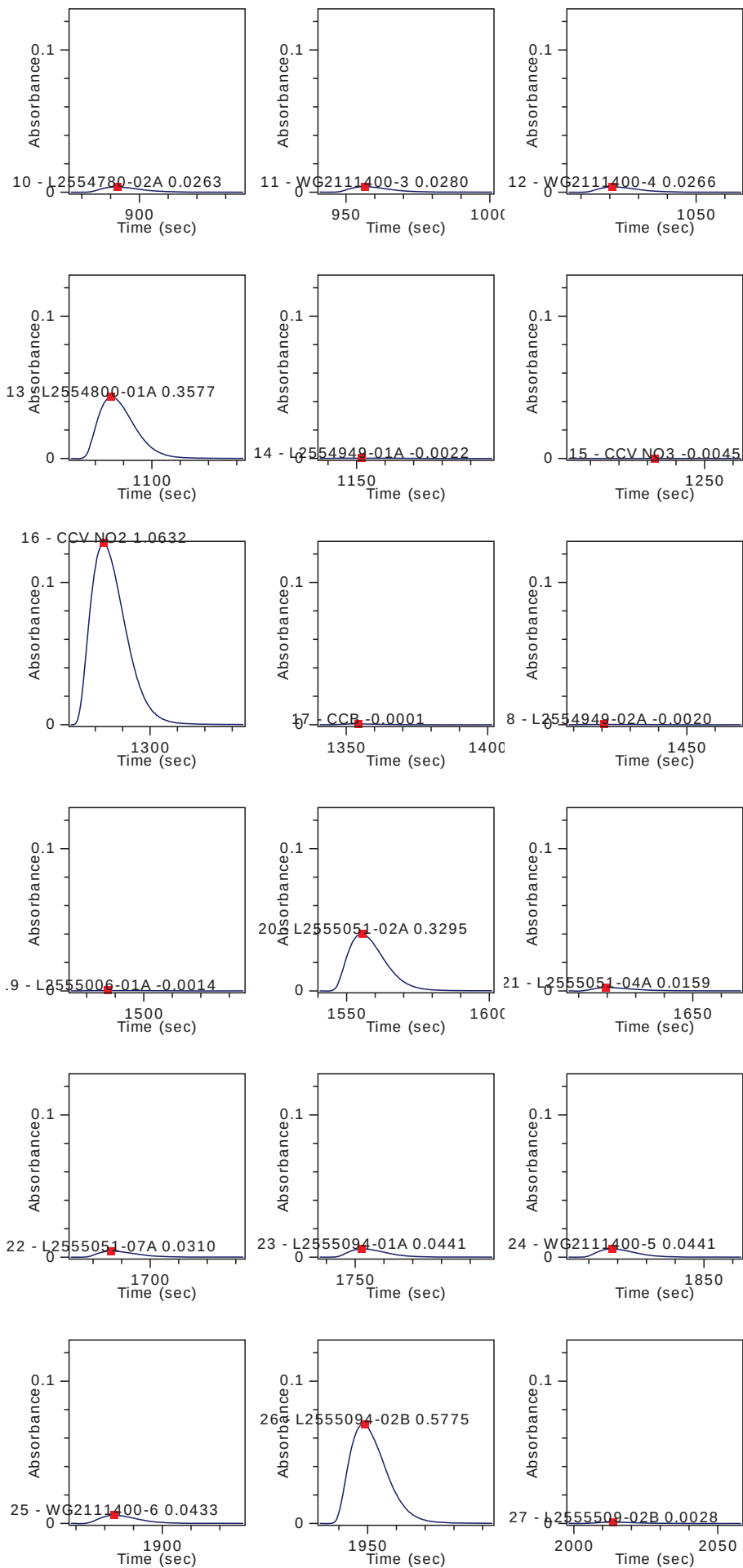


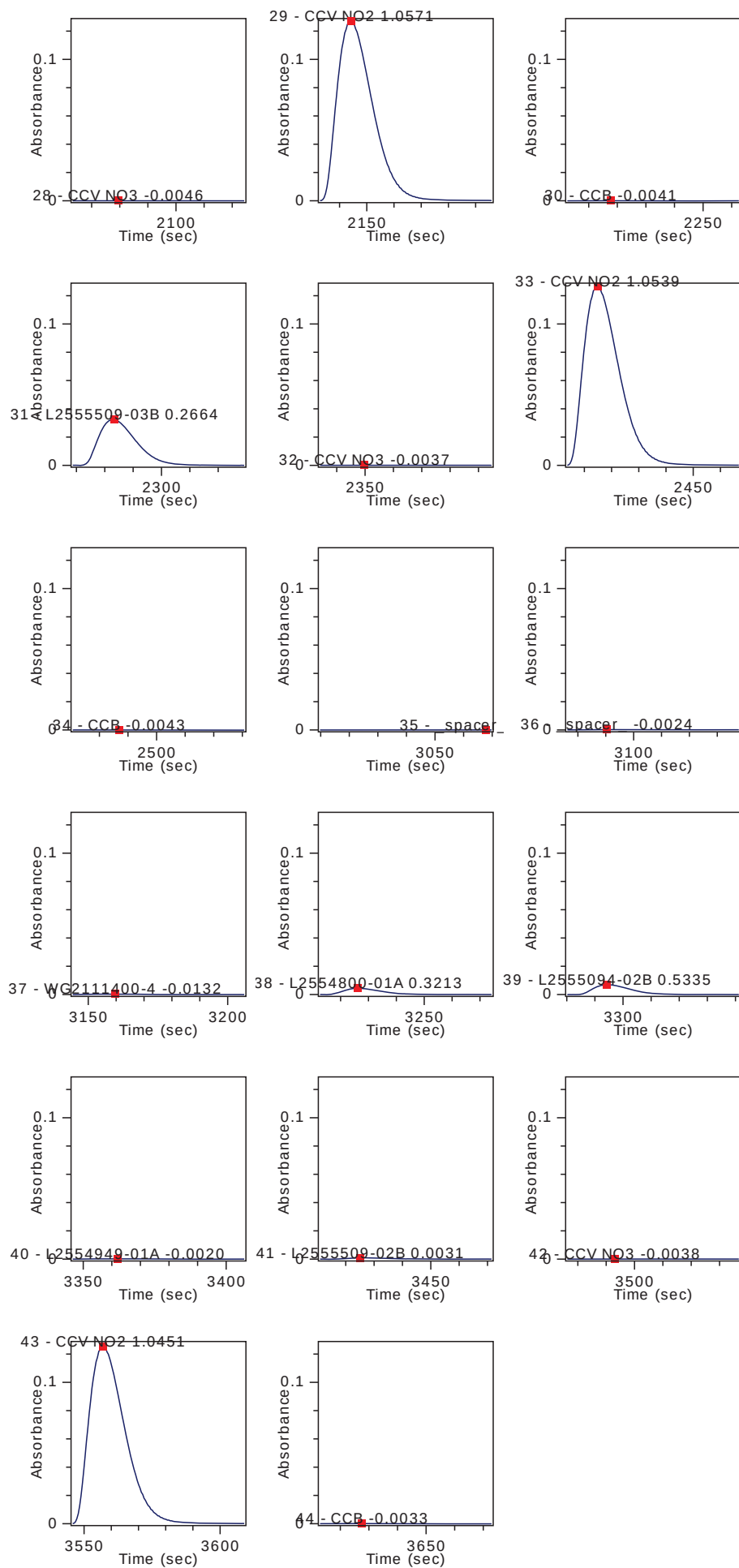




Channel: 2-NO2







Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T07:16:15

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash

Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject

Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up

Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample

Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject

Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse

Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 09:46:23

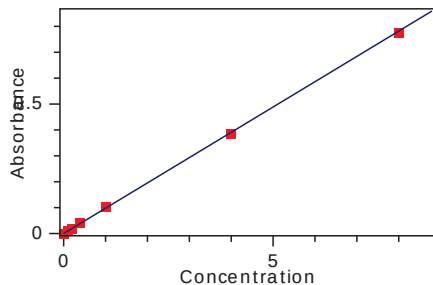
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-094602.dat

Dataset Notes:

Analyst	
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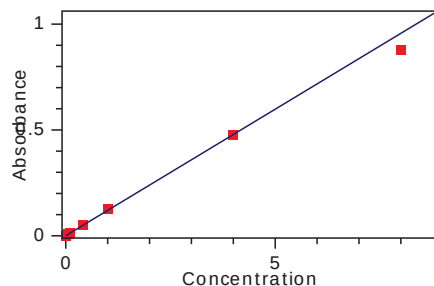
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	N/A
10002	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	N/A
10003	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	N/A
10004	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	N/A
10005	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	N/A
10006	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	N/A



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	N/A
10002	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	N/A
10003	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	N/A
10004	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	N/A
10005	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	N/A
10006	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	N/A
10007	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0014		2025-09-06T08:40:27
CCV NO3	2	QC	1	0.1038	1	1	1	1.0626		2025-09-06T08:41:39
CCV NO2	3	QC	?	0.1096	1	1	1	1.1219		2025-09-06T08:42:45
CCB	4	QC	0	0.0009	1	1	1	0.0092		2025-09-06T08:43:59

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555910-03P	5	Unknown	?	0.0036	1	1	1	0.0370		2025-09-06T08:45:01
WG2111432-3	6	Unknown	?	0.0017	1	1	1	0.0174		2025-09-06T08:46:06
WG2111432-4	7	Unknown	?	0.3846	1	1	1	3.9355		2025-09-06T08:47:12
WG2111430-3	8	Unknown	?	0.0006	1	1	1	0.0066		2025-09-06T08:48:17
WG2111430-4	9	Unknown	?	0.4189	1	1	1	4.2866		2025-09-06T08:49:25
L2555910-05P; MTX	10	Unknown	?	0.0004	1	5	1	0.0245		2025-09-06T08:50:32
L2555848-01J	11	Unknown	?	0.0079	1	1	1	0.0814		2025-09-06T08:51:39
L2555938-01N	12	Unknown	?	0.6789	1	1	1	6.9469		2025-09-06T08:52:45
L2555938-02N	13	Unknown	?	0.2458	1	1	1	2.5154		2025-09-06T08:53:51
L2555938-03N	14	Unknown	?	0.1116	1	1	1	1.1428		2025-09-06T08:54:56
CCV NO3	15	QC	1	0.1027	1	1	1	1.0512		2025-09-06T08:56:02
CCV NO2	16	QC	?	0.1071	1	1	1	1.0958		2025-09-06T08:57:07
CCB	17	QC	0	0.0001	1	1	1	0.0010		2025-09-06T08:58:20
L2555938-04N	18	Unknown	?	0.0045	1	1	1	0.0469		2025-09-06T08:59:24
L2555938-05N	19	Unknown	?	0.3918	1	1	1	4.0098		2025-09-06T09:00:31
L2556025-01E	20	Unknown	?	0.0401	1	1	1	0.4107		2025-09-06T09:01:35
WG2111401-3	21	Unknown	?	0.0392	1	1	1	0.4011		2025-09-06T09:02:41
WG2111401-4	22	Unknown	?	0.4264	1	1	1	4.3639		2025-09-06T09:03:47
L2556025-02E	23	Unknown	?	0.0036	1	1	1	0.0370		2025-09-06T09:04:52
L2556025-03E	24	Unknown	?	0.0051	1	1	1	0.0520		2025-09-06T09:05:57
L2556025-04E	25	Unknown	?	0.1247	1	1	1	1.2762		2025-09-06T09:07:03
L2556025-05E	26	Unknown	?	0.0035	1	1	1	0.0364		2025-09-06T09:08:10
L2556025-06E	27	Unknown	?	0.0913	1	1	1	0.9351		2025-09-06T09:09:16
CCV NO3	28	QC	1	0.1021	1	1	1	1.0450		2025-09-06T09:10:21
CCV NO2	29	QC	?	0.1054	1	1	1	1.0790		2025-09-06T09:11:27
CCB	30	QC	0	0.0000	1	1	1	0.0002		2025-09-06T09:12:13
L2556025-07E	31	Unknown	?	0.0558	1	1	1	0.5718		2025-09-06T09:13:47
L2554790-01B	32	Unknown	?	0.0151	1	1	1	0.1552		2025-09-06T09:14:55
L2554790-02C	33	Unknown	?	0.4583	1	1	1	4.6904		2025-09-06T09:16:01
L2554994-01C	34	Unknown	?	0.2732	1	1	1	2.7964		2025-09-06T09:17:06
L2554994-03C	35	Unknown	?	0.3599	1	1	1	3.6829		2025-09-06T09:18:13
L2554994-05C	36	Unknown	?	0.4057	1	1	1	4.1516		2025-09-06T09:19:18
L2554994-07C	37	Unknown	?	1.3719	1	1	1	14.0390	OVR	2025-09-06T09:20:29

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554994-09C	38	Unknown	?	0.4588	1	1	1	4.6950		2025-09-06T09:21:30
L2555775-01A	39	Unknown	?	0.0145	1	1	1	0.1486		2025-09-06T09:22:35
L2555775-02A	40	Unknown	?	0.4761	1	1	1	4.8719		2025-09-06T09:23:41
CCV NO3	41	QC	1	0.1006	1	1	1	1.0296		2025-09-06T09:24:46
CCV NO2	42	QC	?	0.1039	1	1	1	1.0635		2025-09-06T09:25:50
CCB	43	QC	0	0.0002	1	1	1	0.0020		2025-09-06T09:27:04
L2555777-01A	44	Unknown	?	0.2147	1	1	1	2.1969		2025-09-06T09:28:14
L2555777-02A	45	Unknown	?	0.4548	1	1	1	4.6547		2025-09-06T09:29:20
L2554994-09C	46	Unknown	?	0.4643	1	1	1	4.7512		2025-09-06T09:30:27
CCV NO3	47	QC	1	0.1010	1	1	1	1.0336		2025-09-06T09:31:31
CCV NO2	48	QC	?	0.1071	1	1	1	1.0967		2025-09-06T09:32:37
CCB	49	QC	0	0.0005	1	1	1	0.0053		2025-09-06T09:33:50
spacer	50	Unknown	?	0.0000	1	1	1	0.0004		2025-09-06T09:38:09
spacer	51	Unknown	?	0.0005	1	1	1	0.0050		2025-09-06T09:39:05
L2554994-07C	52	Unknown	?	0.2839	1	10	1	29.0565		2025-09-06T09:40:14
CCV NO3	53	QC	1	0.1010	1	1	1	1.0340		2025-09-06T09:41:21
CCV NO2	54	QC	?	0.1074	1	1	1	1.0995		2025-09-06T09:42:26
CCB	55	QC	0	0.0007	1	1	1	0.0077		2025-09-06T09:43:42

Channel: 2-NO2

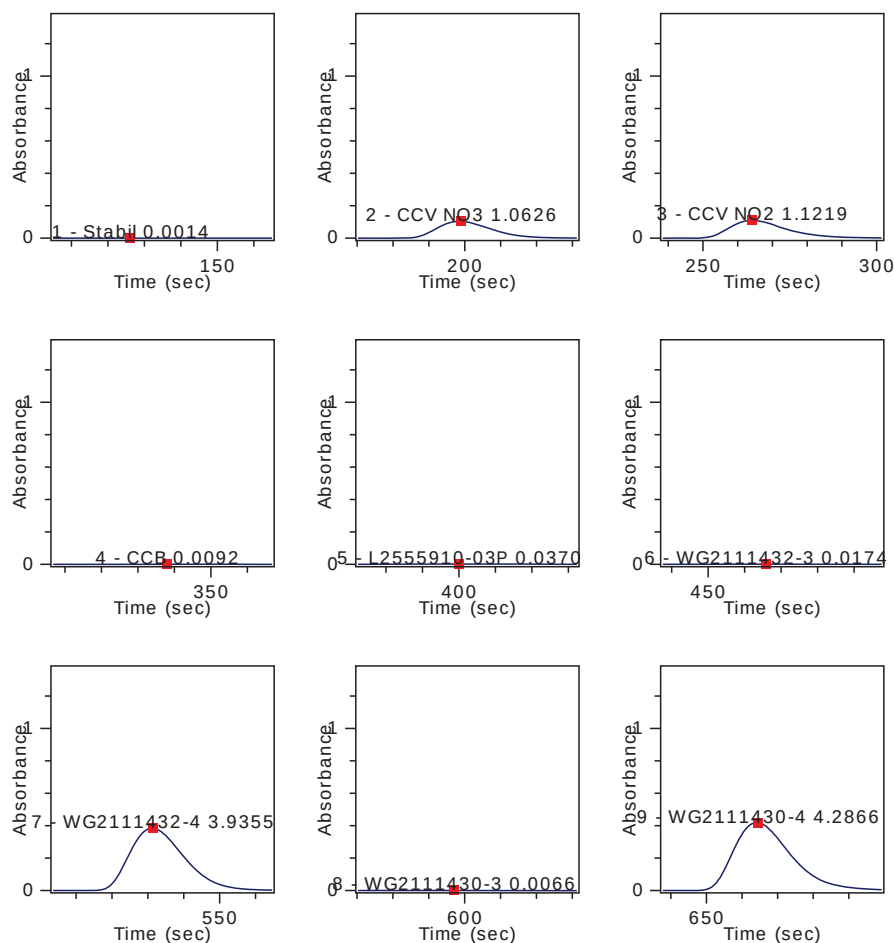
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0000	1	1	1	-0.0050		2025-09-06T08:40:05
CCV NO3	2	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T08:41:37
CCV NO2	3	QC	1	0.1241	1	1	1	1.0335		2025-09-06T08:42:32
CCB	4	QC	0	0.0009	1	1	1	0.0024		2025-09-06T08:43:42
L2555910-03P	5	Unknown	?	0.0002	1	1	1	-0.0034		2025-09-06T08:44:47
WG2111432-3	6	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T08:46:01
WG2111432-4	7	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T08:46:58
WG2111430-3	8	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T08:48:17
WG2111430-4	9	Unknown	?	0.4603	1	1	1	3.8474		2025-09-06T08:49:11
L2555910-05P; MTX	10	Unknown	?	0.0006	1	5	1	0.0023		2025-09-06T08:50:19
L2555848-01J	11	Unknown	?	0.0006	1	1	1	0.0000		2025-09-06T08:51:25
L2555938-01N	12	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T08:52:32
L2555938-	13	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-

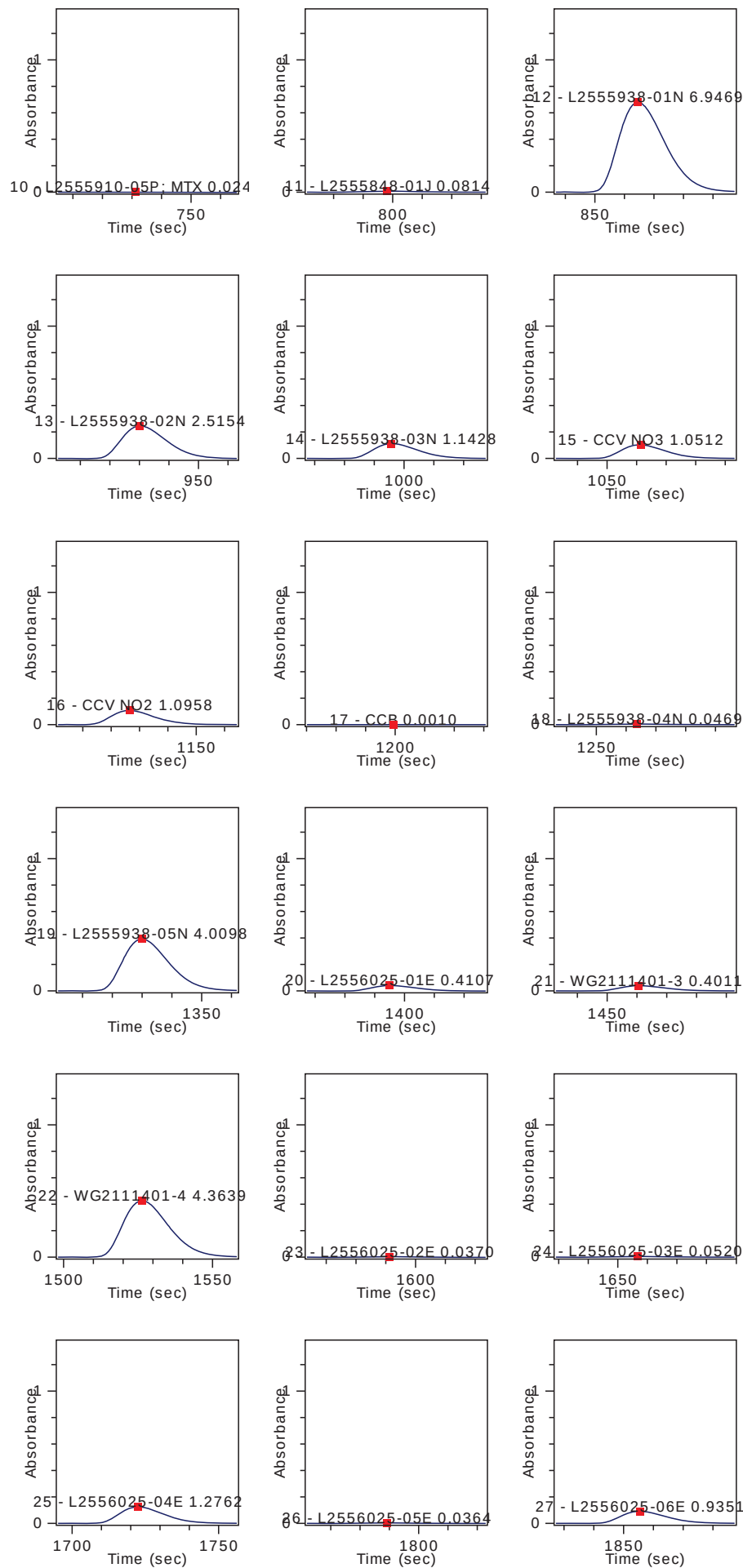
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
02N										06T08:53:36
L2555938-03N	14	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T08:54:43
CCV NO3	15	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T08:55:54
CCV NO2	16	QC	1	0.1228	1	1	1	1.0226		2025-09-06T08:56:54
CCB	17	QC	0	0.0003	1	1	1	-0.0022		2025-09-06T08:58:05
L2555938-04N	18	Unknown	?	0.0002	1	1	1	-0.0033		2025-09-06T08:59:09
L2555938-05N	19	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T09:00:16
L2556025-01E	20	Unknown	?	0.0003	1	1	1	-0.0021		2025-09-06T09:01:22
WG2111401-3	21	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T09:02:27
WG2111401-4	22	Unknown	?	0.0030	1	1	1	0.0205		2025-09-06T09:03:33
L2556025-02E	23	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T09:04:39
L2556025-03E	24	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T09:05:46
L2556025-04E	25	Unknown	?	0.0004	1	1	1	-0.0015		2025-09-06T09:06:49
L2556025-05E	26	Unknown	?	0.0003	1	1	1	-0.0019		2025-09-06T09:07:56
L2556025-06E	27	Unknown	?	0.0026	1	1	1	0.0170		2025-09-06T09:09:03
CCV NO3	28	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T09:10:07
CCV NO2	29	QC	1	0.1243	1	1	1	1.0351		2025-09-06T09:11:14
CCB	30	QC	0	0.0000	1	1	1	-0.0045		2025-09-06T09:12:30
L2556025-07E	31	Unknown	?	0.0006	1	1	1	0.0000		2025-09-06T09:13:33
L2554790-01B	32	Unknown	?	0.0006	1	1	1	0.0004		2025-09-06T09:14:41
L2554790-02C	33	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T09:15:46
L2554994-01C	34	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T09:16:51
L2554994-03C	35	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T09:17:57
L2554994-05C	36	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T09:19:05
L2554994-07C	37	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T09:20:08
L2554994-09C	38	Unknown	?	0.0003	1	1	1	-0.0026		2025-09-06T09:21:15
L2555775-01A	39	Unknown	?	0.0008	1	1	1	0.0022		2025-09-06T09:22:21
L2555775-02A	40	Unknown	?	0.0002	1	1	1	-0.0030		2025-09-06T09:23:29
CCV NO3	41	QC	?	0.0001	1	1	1	-0.0039		2025-09-06T09:24:33
CCV NO2	42	QC	1	0.1223	1	1	1	1.0186		2025-09-06T09:25:38
CCB	43	QC	0	0.0000	1	1	1	-0.0045		2025-09-06T09:26:50
L2555777-01A	44	Unknown	?	0.1762	1	1	1	1.4699		2025-09-06T09:27:59
L2555777-02A	45	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T09:29:07

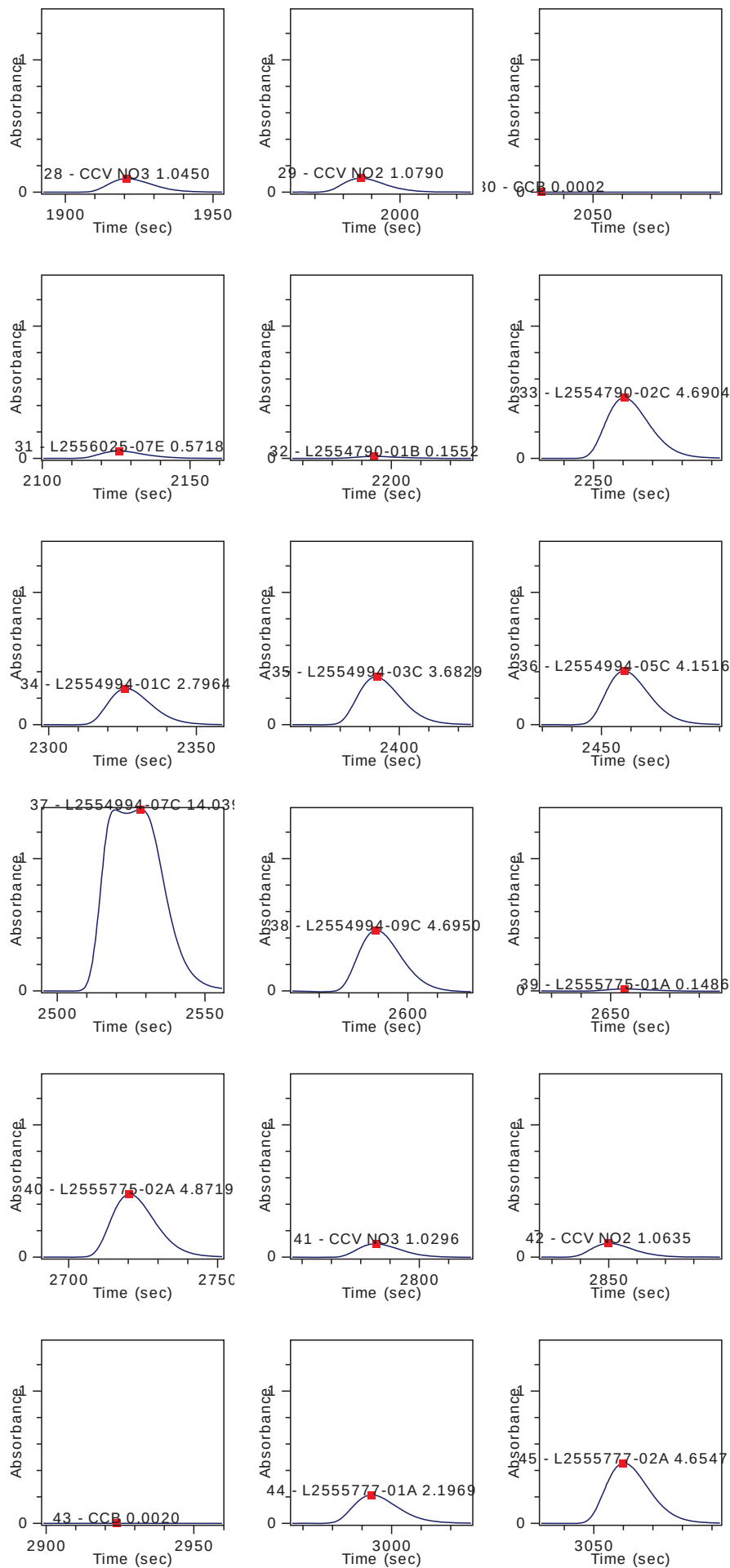
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554994-09C	46	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T09:30:12
CCV NO3	47	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T09:31:16
CCV NO2	48	QC	1	0.1217	1	1	1	1.0135		2025-09-06T09:32:24
CCB	49	QC	0	0.0007	1	1	1	0.0014		2025-09-06T09:33:35
spacer	50	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T09:37:58
spacer	51	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T09:38:55
L2554994-07C	52	Unknown	?	0.0001	1	10	1	-0.0403		2025-09-06T09:40:04
CCV NO3	53	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T09:41:42
CCV NO2	54	QC	1	0.1216	1	1	1	1.0126		2025-09-06T09:42:12
CCB	55	QC	0	0.0007	1	1	1	0.0012		2025-09-06T09:43:24

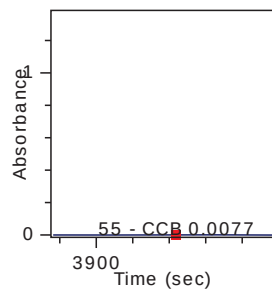
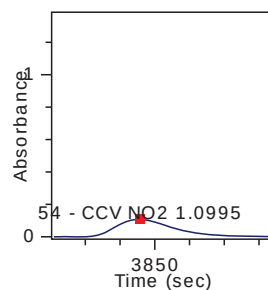
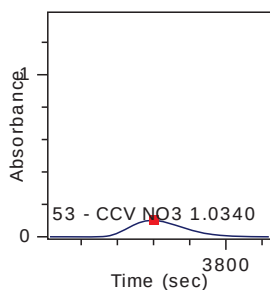
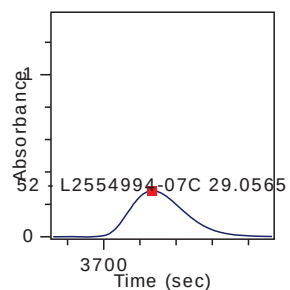
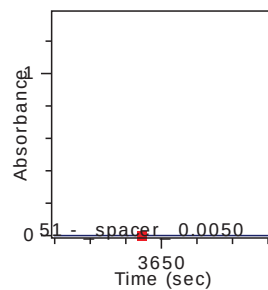
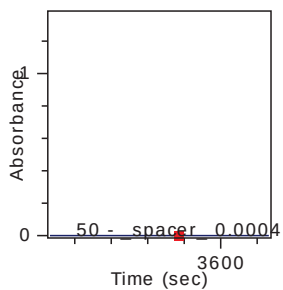
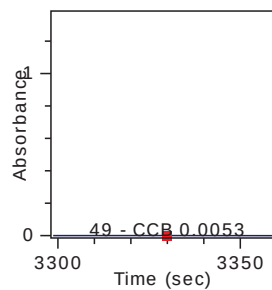
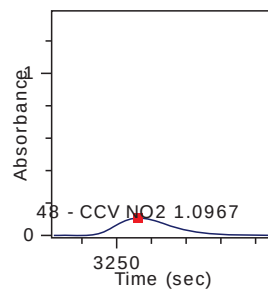
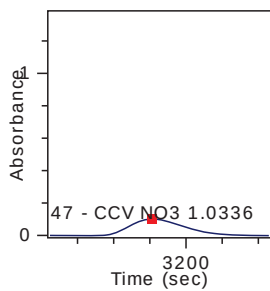
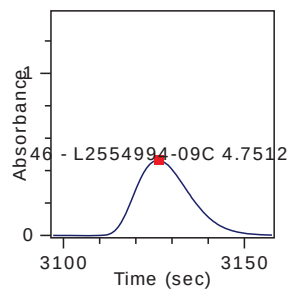
Peaks:

Channel: 1-NOx

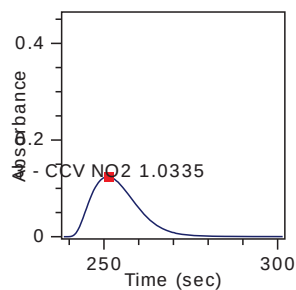
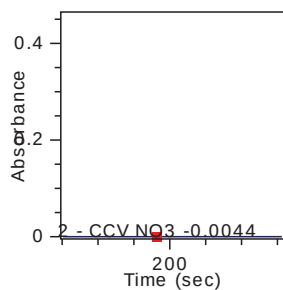
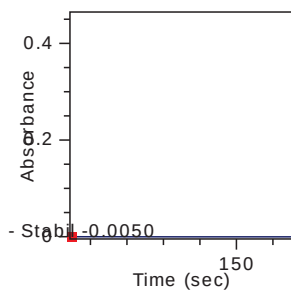


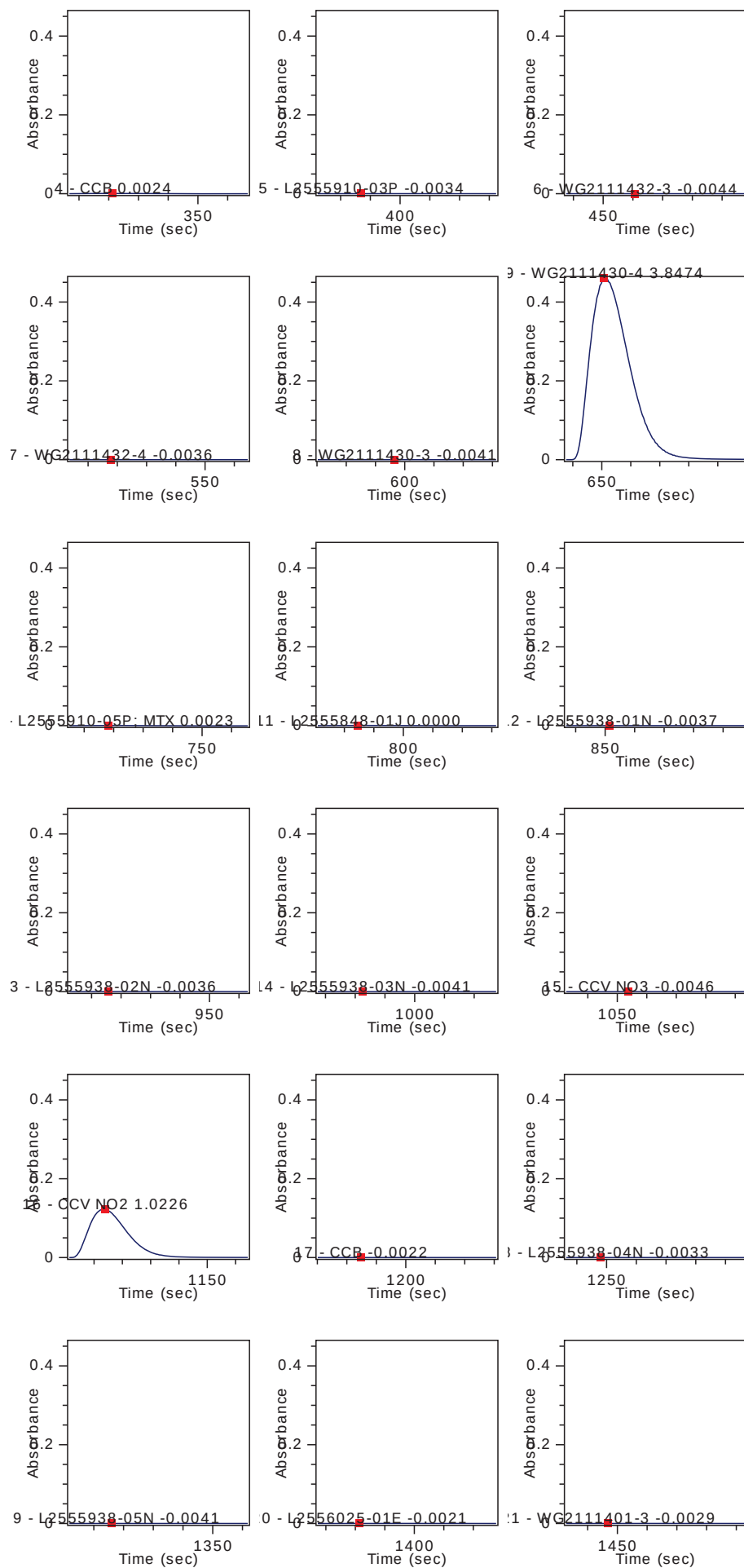


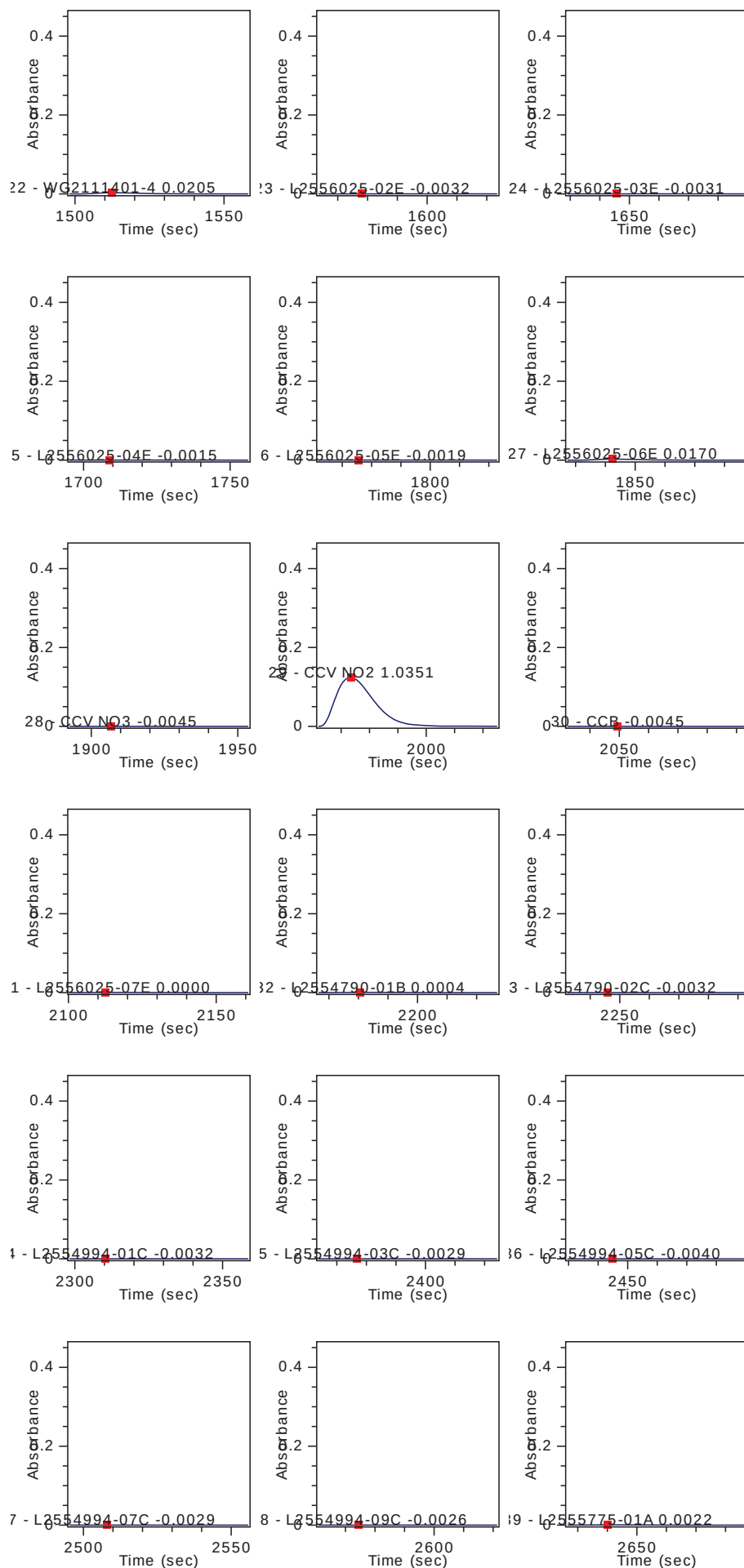


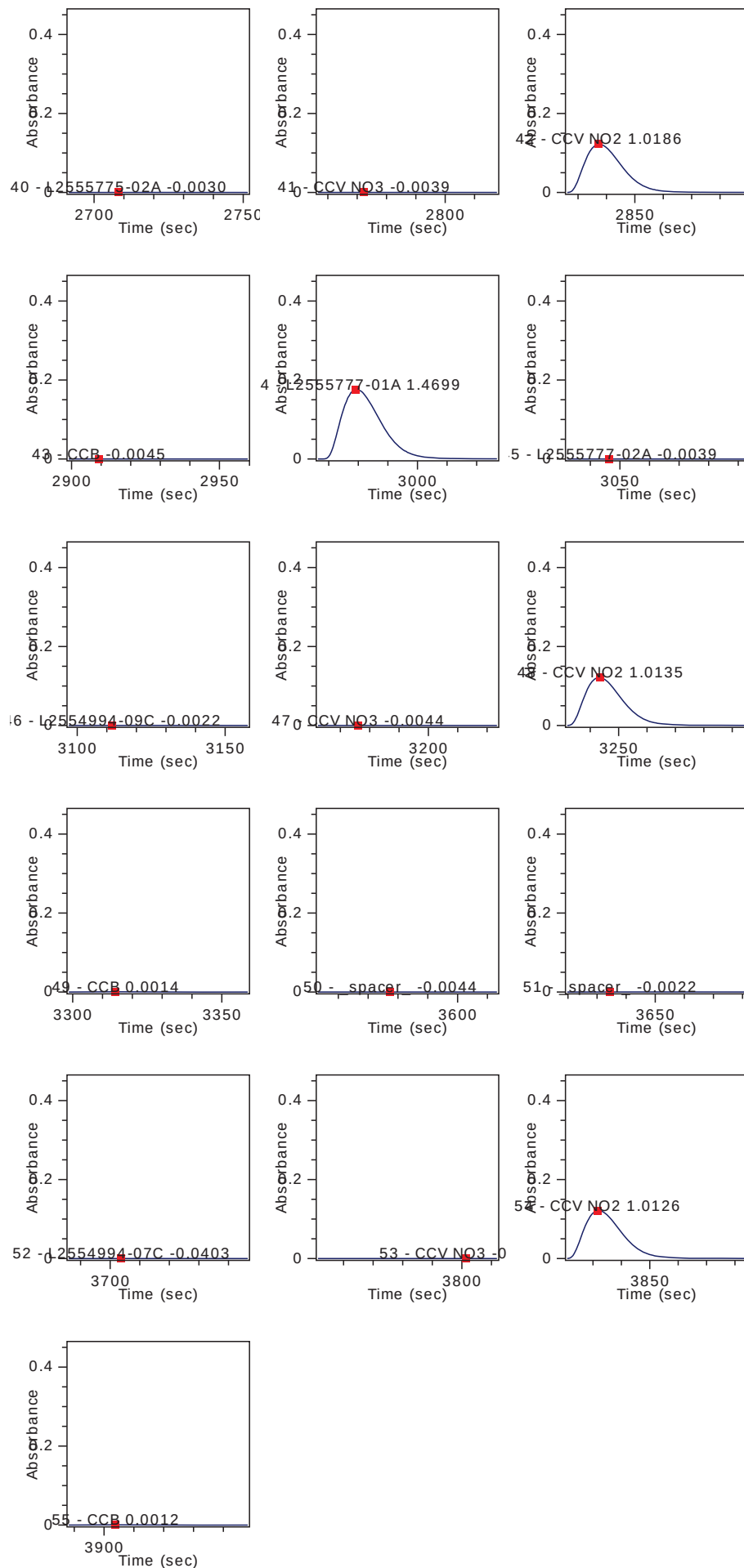


Channel: 2-NO2









Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T08:38:21

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:36:52

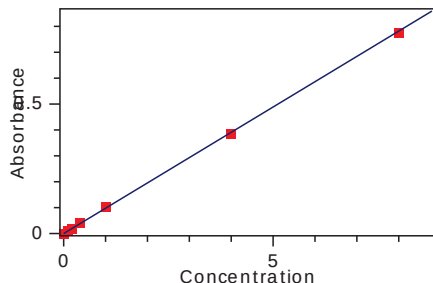
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
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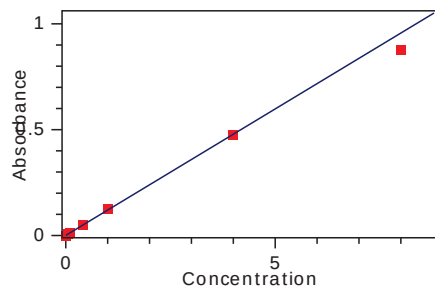
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
2	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	2025-09-06T02:36:37
3	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	2025-09-06T02:37:47
4	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	2025-09-06T02:38:53
5	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	2025-09-06T02:40:01
6	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	2025-09-06T02:41:10
7	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	2025-09-06T02:42:20
8	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	2025-09-06T02:43:35



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
9	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	2025-09-06T02:44:29
10	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	2025-09-06T02:45:38
11	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	2025-09-06T02:46:44
12	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	2025-09-06T02:47:54
13	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	2025-09-06T02:49:03
14	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	2025-09-06T02:50:12
15	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	2025-09-06T02:51:25

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0016		2025-09-06T02:35:24
NOx 8.0ppm	2	Standard	8	0.7727	1	1	1	7.9067		2025-09-06T02:36:37
NOx 4.0ppm	3	Standard	4	0.3851	1	1	1	3.9415		2025-09-06T02:37:47
NOx 1.0ppm	4	Standard	1	0.1029	1	1	1	1.0532		2025-09-06T02:38:53
NOx 0.4ppm	5	Standard	0.4	0.0388	1	1	1	0.3970		2025-09-06T02:40:01
NOx 0.2ppm	6	Standard	0.2	0.0191	1	1	1	0.1958		2025-09-06T02:41:10
NOx 0.1ppm	7	Standard	0.1	0.0098	1	1	1	0.1009		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	0	0.0001	1	1	1	0.0009		2025-09-06T02:43:35
Nitrite 8.0ppm	9	Standard	?	0.7839	1	1	1	8.0215	OVR	2025-09-06T02:44:41
Nitrite 4.0ppm	10	Standard	?	0.4203	1	1	1	4.3015		2025-09-06T02:45:50
Nitrite 1.0ppm	11	Standard	?	0.1108	1	1	1	1.1337		2025-09-06T02:46:57
Nitrite 0.4ppm	12	Standard	?	0.0435	1	1	1	0.4457		2025-09-06T02:48:05
Nitrite 0.1ppm	13	Standard	?	0.0108	1	1	1	0.1111		2025-09-06T02:49:15
Nitrite 0.05ppm	14	Standard	?	0.0053	1	1	1	0.0548		2025-09-06T02:50:24
Nitrite 0.0ppm	15	Standard	?	0.0001	1	1	1	0.0015		2025-09-06T02:51:36
CCV NO3	16	QC	1	0.1042	1	1	1	1.0665		2025-09-06T02:52:41
CCV NO2	17	QC	?	0.1105	1	1	1	1.1307		2025-09-06T02:53:46
CCB	18	QC	0	0.0007	1	1	1	0.0072		2025-09-06T02:55:01
ICV NO3 5.0	19	QC	5	0.4780	1	1	1	4.8918		2025-09-06T02:56:03
ICV NO2 5.0	20	QC	?	0.4943	1	1	1	5.0583		2025-09-06T02:57:12
ICV NO3 0.5	21	QC	0.5	0.0478	1	1	1	0.4897		2025-09-06T02:58:20
ICV NO2 0.5	22	QC	?	0.0503	1	1	1	0.5150		2025-09-06T02:59:29
ICB	23	QC	0	0.0004	1	1	1	0.0042		2025-09-06T03:00:44
Diluter CHK 8PPM	24	Unknown	?	0.1602	1	5	1	8.1992		2025-09-06T03:01:47
BLANK NO3	25	Unknown	?	0.0000	1	1	1	0.0002		2025-09-06T03:02:28
LCS NO3	26	Unknown	?	0.4786	1	1	1	4.8980		2025-09-06T03:04:01
BLANK NO2	27	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:04:40
LCS NO2	28	Unknown	?	0.4978	1	1	1	5.0944		2025-09-06T03:06:13
CCV NO3	29	QC	1	0.1047	1	1	1	1.0720		2025-09-06T03:07:19
CCV NO2	30	QC	?	0.1107	1	1	1	1.1331		2025-09-06T03:08:24
CCB	31	QC	0	0.0008	1	1	1	0.0091		2025-09-06T03:09:42
WG2111361-1	32	Unknown	?	0.0001	1	1	1	0.0015		2025-09-06T03:10:50

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111361-2	33	Unknown	?	0.4962	1	1	1	5.0778		2025-09-06T03:11:49
WG2111362/363-1	34	Unknown	?	0.0004	1	1	1	0.0046		2025-09-06T03:13:01
WG2111362/363-2	35	Unknown	?	0.4980	1	1	1	5.0965		2025-09-06T03:14:00
WG2111364-1	36	Unknown	?	0.0008	1	1	1	0.0084		2025-09-06T03:15:11
WG2111364-2	37	Unknown	?	0.4784	1	1	1	4.8962		2025-09-06T03:16:11
WG2111365/363/368-1	38	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:16:51
WG2111365/365/368-2	39	Unknown	?	0.4809	1	1	1	4.9214		2025-09-06T03:18:24
WG2111367-1	40	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:19:04
WG2111367-2	41	Unknown	?	0.4806	1	1	1	4.9186		2025-09-06T03:20:37
CCV NO3	42	QC	1	0.1034	1	1	1	1.0588		2025-09-06T03:21:42
CCV NO2	43	QC	?	0.1110	1	1	1	1.1358		2025-09-06T03:22:48
CCB	44	QC	0	0.0008	1	1	1	0.0084		2025-09-06T03:24:04
WG2111369-1	45	Unknown	?	0.0001	1	1	1	0.0011		2025-09-06T03:25:18
WG2111369-2	46	Unknown	?	0.4799	1	1	1	4.9115		2025-09-06T03:26:15
L2555605-01N	47	Unknown	?	0.1811	1	1	1	1.8537		2025-09-06T03:27:20
L2555605-02N	48	Unknown	?	0.4244	1	1	1	4.3434		2025-09-06T03:28:26
WG2111365/367-3	49	Unknown	?	0.4315	1	1	1	4.4157		2025-09-06T03:29:31
WG2111365/367-4	50	Unknown	?	0.7718	1	1	1	7.8977		2025-09-06T03:30:36
WG2111362-3	51	Unknown	?	0.4289	1	1	1	4.3891		2025-09-06T03:31:41
WG2111362-4	52	Unknown	?	0.7838	1	1	1	8.0211	OVR	2025-09-06T03:32:45
L2zzP605-03N	53	Unknown	?	0.6040	1	1	1	6.1813		2025-09-06T03:33:49
L2555605-04N	54	Unknown	?	0.1376	1	1	1	1.4085		2025-09-06T03:34:53
CCV NO3	55	QC	1	0.1043	1	1	1	1.0678		2025-09-06T03:35:57
CCV NO2	56	QC	?	0.1087	1	1	1	1.1124		2025-09-06T03:37:03
CCB	57	QC	0	0.0000	1	1	1	0.0005		2025-09-06T03:38:15
L2555605-05N	58	Unknown	?	0.3941	1	1	1	4.0333		2025-09-06T03:39:20
L2555605-06N	59	Unknown	?	0.3762	1	1	1	3.8504		2025-09-06T03:40:27
L2555605-07N	60	Unknown	?	0.3048	1	1	1	3.1191		2025-09-06T03:41:33
L2555605-08N	61	Unknown	?	0.2131	1	1	1	2.1808		2025-09-06T03:42:39
L2555382-01A	62	Unknown	?	0.0296	1	1	1	0.3034		2025-09-06T03:43:45
L2555382-02A	63	Unknown	?	0.0302	1	1	1	0.3089		2025-09-06T03:44:51
L2555382-03A	64	Unknown	?	0.0312	1	1	1	0.3196		2025-09-06T03:45:56
L2555382-04A	65	Unknown	?	0.0313	1	1	1	0.3206		2025-09-06T03:47:02

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555459-01S	66	Unknown	?	0.0000	1	1	1	0.0003		2025-09-06T03:48:10
L2555956-01F	67	Unknown	?	0.0028	1	1	1	0.0289		2025-09-06T03:49:12
CCV NO3	68	QC	1	0.1048	1	1	1	1.0727		2025-09-06T03:50:17
CCV NO2	69	QC	?	0.1086	1	1	1	1.1118		2025-09-06T03:51:22
CCB	70	QC	0	0.0001	1	1	1	0.0010		2025-09-06T03:52:33
WG2111364-3	71	Unknown	?	0.0012	1	1	1	0.0124		2025-09-06T03:53:40
WG2111364-4	72	Unknown	?	0.4267	1	1	1	4.3664		2025-09-06T03:54:46
WG2111361-3	73	Unknown	?	-0.0001	1	1	1	-0.0012		2025-09-06T03:55:22
WG2111361-4	74	Unknown	?	0.4276	1	1	1	4.3755		2025-09-06T03:56:55
L2555956-02F	75	Unknown	?	0.0011	1	1	1	0.0121		2025-09-06T03:57:59
L2555956-03F	76	Unknown	?	0.0020	1	1	1	0.0209		2025-09-06T03:59:04
L2555956-04F	77	Unknown	?	0.0028	1	1	1	0.0287		2025-09-06T04:00:11
L2555622-01A	78	Unknown	?	0.0294	1	1	1	0.3014		2025-09-06T04:01:17
WG2111366/368-3	79	Unknown	?	0.0290	1	1	1	0.2972		2025-09-06T04:02:24
WG2111366/368-4	80	Unknown	?	0.4710	1	1	1	4.8202		2025-09-06T04:03:29
CCV NO3	81	QC	1	0.1028	1	1	1	1.0521		2025-09-06T04:04:35
CCV NO2	82	QC	?	0.1070	1	1	1	1.0956		2025-09-06T04:05:40
CCB	83	QC	0	0.0000	1	1	1	0.0005		2025-09-06T04:06:52
WG2111363-3	84	Unknown	?	0.0290	1	1	1	0.2967		2025-09-06T04:08:00
WG2111363-4	85	Unknown	?	0.4910	1	1	1	5.0245		2025-09-06T04:09:08
L2555671-01C	86	Unknown	?	0.0158	1	1	1	0.1619		2025-09-06T04:10:12
WG2111369-3	87	Unknown	?	0.0154	1	1	1	0.1580		2025-09-06T04:11:18
WG2111369-4	88	Unknown	?	0.4023	1	1	1	4.1166		2025-09-06T04:12:23
L2555671-02C	89	Unknown	?	0.0157	1	1	1	0.1610		2025-09-06T04:13:27
L2555671-03C	90	Unknown	?	0.0202	1	1	1	0.2069		2025-09-06T04:14:32
L2555671-04C	91	Unknown	?	0.0196	1	1	1	0.2010		2025-09-06T04:15:36
L2555260-01C	92	Unknown	?	0.0054	1	1	1	0.0560		2025-09-06T04:16:40
L2555260-03C	93	Unknown	?	0.0192	1	1	1	0.1965		2025-09-06T04:17:44
CCV NO3	94	QC	1	0.1043	1	1	1	1.0676		2025-09-06T04:18:49
CCV NO2	95	QC	?	0.1073	1	1	1	1.0988		2025-09-06T04:19:53
CCB	96	QC	0	0.0001	1	1	1	0.0011		2025-09-06T04:21:06
L2555260-05C	97	Unknown	?	0.3199	1	1	1	3.2737		2025-09-06T04:22:15
WG2111367-5	98	Unknown	?	0.3193	1	1	1	3.2676		2025-09-06T04:23:23

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111367-6	99	Unknown	?	0.6875	1	1	1	7.0356		2025-09-06T04:24:29
L2554370-01L	100	Unknown	?	0.0141	1	1	1	0.1448		2025-09-06T04:25:35
L2554370-02L	101	Unknown	?	0.0066	1	1	1	0.0684		2025-09-06T04:26:42
L2554370-03L	102	Unknown	?	0.0041	1	1	1	0.0420		2025-09-06T04:27:47
L2554370-04L	103	Unknown	?	0.0037	1	1	1	0.0387		2025-09-06T04:28:53
L2554370-05L	104	Unknown	?	0.0507	1	1	1	0.5194		2025-09-06T04:29:58
L2554370-06L	105	Unknown	?	0.0064	1	1	1	0.0656		2025-09-06T04:31:04
L2554370-07L	106	Unknown	?	0.0620	1	1	1	0.6352		2025-09-06T04:32:08
CCV NO3	107	QC	1	0.1039	1	1	1	1.0630		2025-09-06T04:33:12
CCV NO2	108	QC	?	0.1091	1	1	1	1.1170		2025-09-06T04:34:18
CCB	109	QC	0	0.0001	1	1	1	0.0013		2025-09-06T04:35:31
L2554370-08L	110	Unknown	?	0.1470	1	1	1	1.5044		2025-09-06T04:36:34
L2554370-09L	111	Unknown	?	0.0040	1	1	1	0.0411		2025-09-06T04:37:38
L2554370-10L	112	Unknown	?	0.0258	1	1	1	0.2644		2025-09-06T04:38:44
L2554370-11L	113	Unknown	?	0.5415	1	1	1	5.5415		2025-09-06T04:39:48
L2554370-12L	114	Unknown	?	0.0615	1	1	1	0.6300		2025-09-06T04:40:52
L2554785-01A	115	Unknown	?	0.2051	1	1	1	2.0992		2025-09-06T04:41:58
L2554788-02C	116	Unknown	?	0.2074	1	1	1	2.1222		2025-09-06T04:43:04
L2555529-01K	117	Unknown	?	0.0069	1	1	1	0.0708		2025-09-06T04:44:11
L2555569-01E	118	Unknown	?	0.0261	1	1	1	0.2673		2025-09-06T04:45:18
L2555092-01A	119	Unknown	?	0.1806	1	1	1	1.8486		2025-09-06T04:46:23
CCV NO3	120	QC	1	0.1052	1	1	1	1.0769		2025-09-06T04:47:29
CCV NO2	121	QC	?	0.1123	1	1	1	1.1494		2025-09-06T04:48:34
CCB	122	QC	0	0.0011	1	1	1	0.0118		2025-09-06T04:49:51
L2555902-02H	123	Unknown	?	0.0064	1	1	1	0.0660		2025-09-06T04:50:54
L2555951-01D	124	Unknown	?	0.0045	1	1	1	0.0459		2025-09-06T04:52:01
L2555605-03N	125	Unknown	?	0.6090	1	1	1	6.2317		2025-09-06T04:53:06
CCV NO3	126	QC	1	0.1030	1	1	1	1.0547		2025-09-06T04:54:10
CCV NO2	127	QC	?	0.1081	1	1	1	1.1061		2025-09-06T04:55:15
CCB	128	QC	0	0.0000	1	1	1	0.0002		2025-09-06T04:55:59
Unknown1	129	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T05:05:08
spacer	130	Unknown	?	0.0007	1	1	1	0.0076		2025-09-06T05:06:43
spacer	131	Unknown	?	0.0002	1	1	1	0.0028		2025-09-06T05:07:47

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111362-4	132	Unknown	?	0.0017	1	10	1	0.1768		2025-09-06T05:08:47
WG2111365/367-4	133	Unknown	?	0.0012	1	5	1	0.0623		2025-09-06T05:09:55
CCV NO3	134	QC	1	0.1033	1	1	1	1.0572		2025-09-06T05:11:05
CCV NO2	135	QC	?	0.1108	1	1	1	1.1342		2025-09-06T05:12:11
CCB	136	QC	0	0.0006	1	1	1	0.0069		2025-09-06T05:13:27

Channel: 2-NO2

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T02:35:20
NOx 8.0ppm	2	Standard	?	0.0001	1	1	1	-0.0036		2025-09-06T02:36:59
NOx 4.0ppm	3	Standard	?	0.0001	1	1	1	-0.0041		2025-09-06T02:37:34
NOx 1.0ppm	4	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:38:54
NOx 0.4ppm	5	Standard	?	0.0001	1	1	1	-0.0043		2025-09-06T02:39:54
NOx 0.2ppm	6	Standard	?	0.0001	1	1	1	-0.0044		2025-09-06T02:41:31
NOx 0.1ppm	7	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	?	0.0000	1	1	1	-0.0044		2025-09-06T02:43:22
Nitrite 8.0ppm	9	Standard	8	0.8762	1	1	1	7.3279		2025-09-06T02:44:29
Nitrite 4.0ppm	10	Standard	4	0.4744	1	1	1	3.9657		2025-09-06T02:45:38
Nitrite 1.0ppm	11	Standard	1	0.1269	1	1	1	1.0571		2025-09-06T02:46:44
Nitrite 0.4ppm	12	Standard	0.4	0.0510	1	1	1	0.4222		2025-09-06T02:47:54
Nitrite 0.1ppm	13	Standard	0.1	0.0130	1	1	1	0.1041		2025-09-06T02:49:03
Nitrite 0.05ppm	14	Standard	0.05	0.0064	1	1	1	0.0486		2025-09-06T02:50:12
Nitrite 0.0ppm	15	Standard	0	0.0000	1	1	1	-0.0046		2025-09-06T02:51:25
CCV NO3	16	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T02:52:39
CCV NO2	17	QC	1	0.1268	1	1	1	1.0566		2025-09-06T02:53:33
CCB	18	QC	0	0.0004	1	1	1	-0.0017		2025-09-06T02:54:44
ICV NO3 5.0	19	QC	?	0.0001	1	1	1	-0.0042		2025-09-06T02:55:50
ICV NO2 5.0	20	QC	5	0.5629	1	1	1	4.7060		2025-09-06T02:57:01
ICV NO3 0.5	21	QC	?	0.0012	1	1	1	0.0055		2025-09-06T02:58:08
ICV NO2 0.5	22	QC	0.5	0.0590	1	1	1	0.4893		2025-09-06T02:59:17
ICB	23	QC	0	0.0002	1	1	1	-0.0034		2025-09-06T03:00:26
Diluter CHK 8PPM	24	Unknown	?	0.0001	1	5	1	-0.0196		2025-09-06T03:01:35
BLANK NO3	25	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:03:00
LCS NO3	26	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T03:03:48
BLANK NO2	27	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:05:18
LCS NO2	28	Unknown	?	0.5650	1	1	1	4.7233		2025-09-06T03:06:00
CCV NO3	29	QC	?	0.0015	1	1	1	0.0079		2025-09-06T03:07:06
CCV NO2	30	QC	1	0.1261	1	1	1	1.0505		2025-09-06T03:08:11
CCB	31	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:09:22
WG2111361-1	32	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:10:30
WG2111361-2	33	Unknown	?	0.5668	1	1	1	4.7382		2025-09-06T03:11:36
WG2111362/363-1	34	Unknown	?	0.0013	1	1	1	0.0057		2025-09-06T03:12:42
WG2111362/363-2	35	Unknown	?	0.5688	1	1	1	4.7555		2025-09-06T03:13:46
WG2111364-1	36	Unknown	?	0.0014	1	1	1	0.0073		2025-09-06T03:14:51
WG2111364-2	37	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:15:58
WG2111365/363/368-1	38	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:17:07
WG2111365/365/368-2	39	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:18:11
WG2111367-1	40	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:19:47
WG2111367-2	41	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:21:01
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T03:21:33
CCV NO2	43	QC	1	0.1268	1	1	1	1.0563		2025-09-06T03:22:35
CCB	44	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:23:47
WG2111369-1	45	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:24:53
WG2111369-2	46	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:25:59
L2555605-01N	47	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:27:07
L2555605-02N	48	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:28:13
WG2111365/367-3	49	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:29:20
WG2111365/367-4	50	Unknown	?	0.0022	1	1	1	0.0133		2025-09-06T03:30:23
WG2111362-3	51	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:31:27
WG2111362-4	52	Unknown	?	0.4568	1	1	1	3.8181		2025-09-06T03:32:32
L2zzP605-03N	53	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:33:34
L2555605-04N	54	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:34:39
CCV NO3	55	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T03:35:44
CCV NO2	56	QC	1	0.1274	1	1	1	1.0614		2025-09-06T03:36:50
CCB	57	QC	0	0.0001	1	1	1	-0.0039		2025-09-06T03:37:59
L2555605-05N	58	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T03:39:19

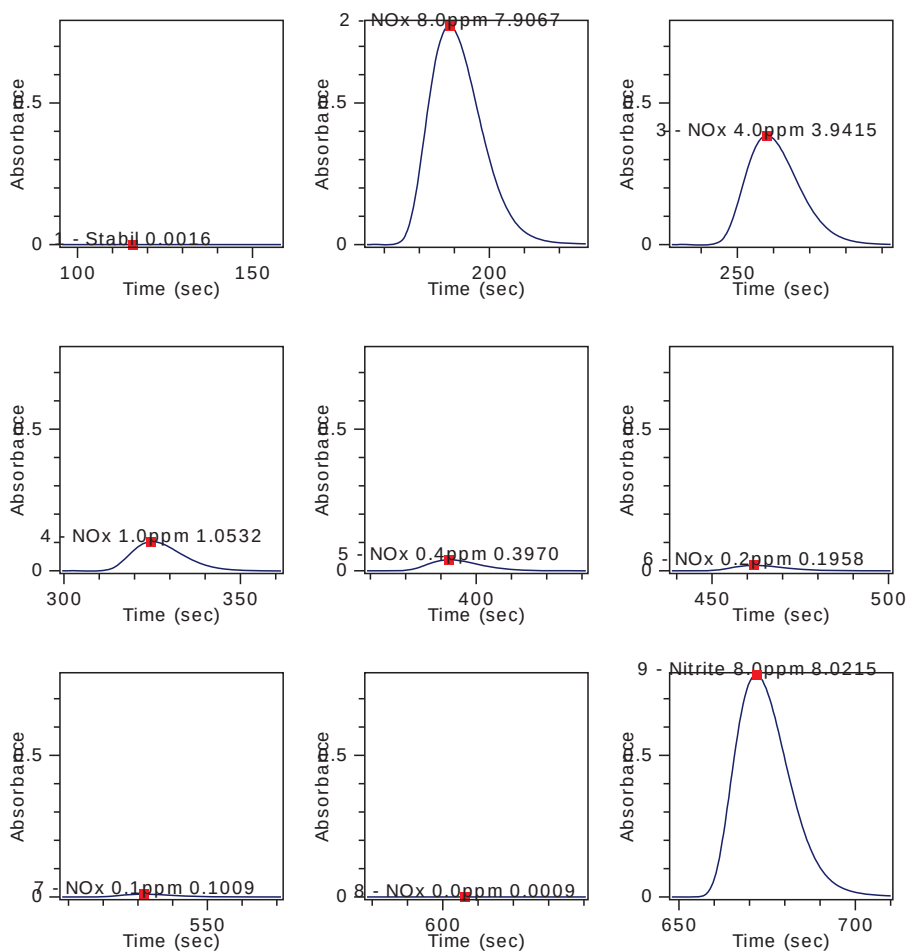
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555605-06N	59	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:40:12
L2555605-07N	60	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:41:20
L2555605-08N	61	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:42:29
L2555382-01A	62	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:43:33
L2555382-02A	63	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:44:38
L2555382-03A	64	Unknown	?	0.0022	1	1	1	0.0136		2025-09-06T03:45:44
L2555382-04A	65	Unknown	?	0.0022	1	1	1	0.0134		2025-09-06T03:46:49
L2555459-01S	66	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:48:11
L2555956-01F	67	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:48:59
CCV NO3	68	QC	?	0.0003	1	1	1	-0.0021		2025-09-06T03:50:44
CCV NO2	69	QC	1	0.1276	1	1	1	1.0628		2025-09-06T03:51:10
CCB	70	QC	0	0.0001	1	1	1	-0.0037		2025-09-06T03:52:19
WG2111364-3	71	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:53:24
WG2111364-4	72	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T03:54:29
WG2111361-3	73	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:55:36
WG2111361-4	74	Unknown	?	0.5039	1	1	1	4.2121		2025-09-06T03:56:41
L2555956-02F	75	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:57:43
L2555956-03F	76	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:58:50
L2555956-04F	77	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T03:59:58
L2555622-01A	78	Unknown	?	0.0088	1	1	1	0.0684		2025-09-06T04:01:05
WG2111366/368-3	79	Unknown	?	0.0088	1	1	1	0.0687		2025-09-06T04:02:11
WG2111366/368-4	80	Unknown	?	0.0086	1	1	1	0.0675		2025-09-06T04:03:17
CCV NO3	81	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T04:04:21
CCV NO2	82	QC	1	0.1286	1	1	1	1.0712		2025-09-06T04:05:27
CCB	83	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:06:37
WG2111363-3	84	Unknown	?	0.0088	1	1	1	0.0686		2025-09-06T04:07:47
WG2111363-4	85	Unknown	?	0.5440	1	1	1	4.5480		2025-09-06T04:08:54
L2555671-01C	86	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:09:59
WG2111369-3	87	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:11:04
WG2111369-4	88	Unknown	?	0.0028	1	1	1	0.0185		2025-09-06T04:12:10
L2555671-02C	89	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:13:15
L2555671-03C	90	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:14:17
L2555671-04C	91	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:15:24

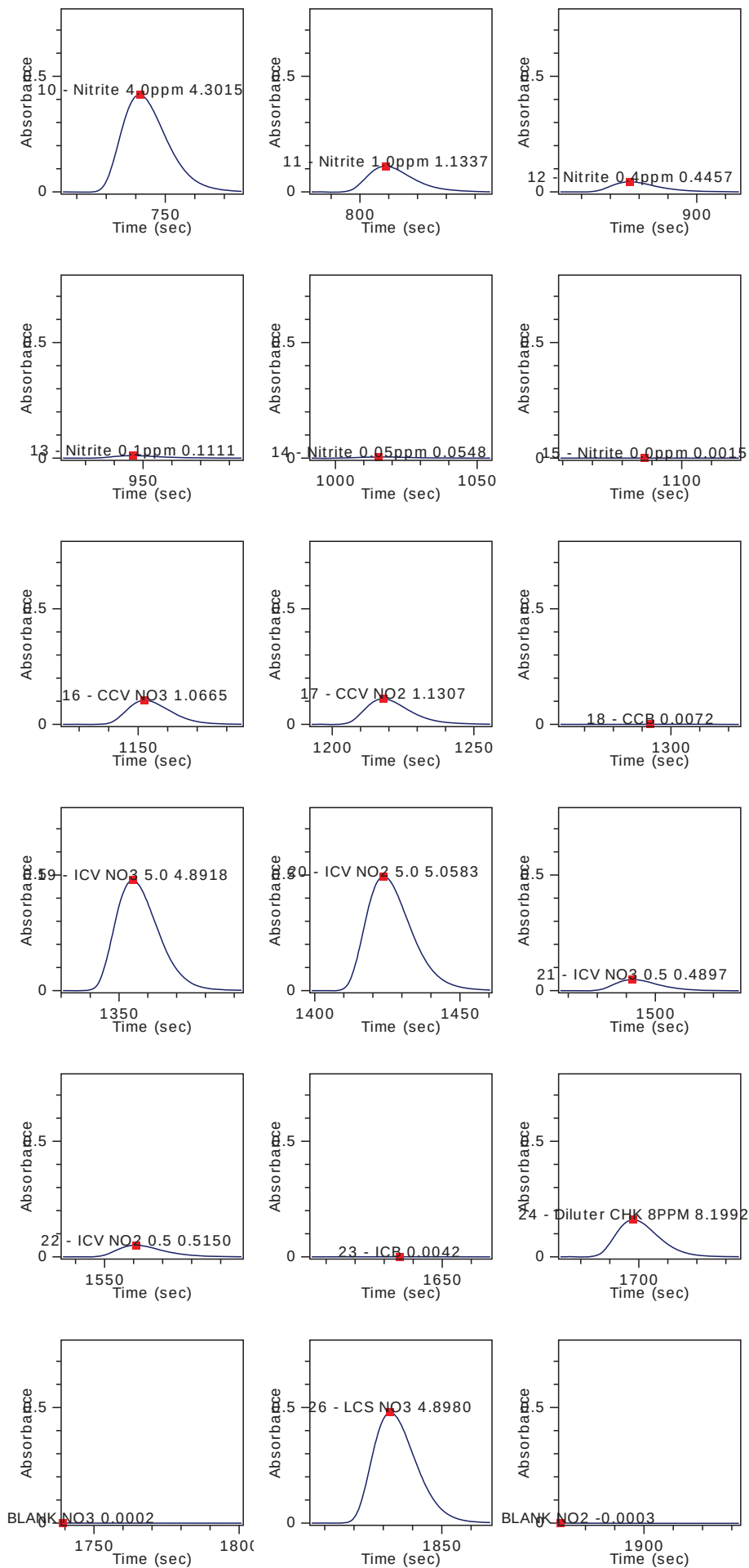
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555260-01C	92	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T04:16:25
L2555260-03C	93	Unknown	?	0.0003	1	1	1	-0.0026		2025-09-06T04:17:30
CCV NO3	94	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T04:18:38
CCV NO2	95	QC	1	0.1278	1	1	1	1.0648		2025-09-06T04:19:40
CCB	96	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:20:53
L2555260-05C	97	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T04:22:01
WG2111367-5	98	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:23:08
WG2111367-6	99	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:24:16
L2554370-01L	100	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:25:23
L2554370-02L	101	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T04:26:28
L2554370-03L	102	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:27:34
L2554370-04L	103	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:28:40
L2554370-05L	104	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:29:43
L2554370-06L	105	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:30:49
L2554370-07L	106	Unknown	?	0.0003	1	1	1	-0.0021		2025-09-06T04:31:55
CCV NO3	107	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:33:05
CCV NO2	108	QC	1	0.1280	1	1	1	1.0664		2025-09-06T04:34:05
CCB	109	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:35:13
L2554370-08L	110	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:36:20
L2554370-09L	111	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T04:37:25
L2554370-10L	112	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:38:29
L2554370-11L	113	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:39:33
L2554370-12L	114	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T04:40:34
L2554785-01A	115	Unknown	?	0.0003	1	1	1	-0.0019		2025-09-06T04:41:45
L2554788-02C	116	Unknown	?	0.0007	1	1	1	0.0012		2025-09-06T04:42:52
L2555529-01K	117	Unknown	?	0.0006	1	1	1	0.0004		2025-09-06T04:43:57
L2555569-01E	118	Unknown	?	0.0003	1	1	1	-0.0025		2025-09-06T04:45:04
L2555092-01A	119	Unknown	?	0.0017	1	1	1	0.0092		2025-09-06T04:46:11
CCV NO3	120	QC	?	0.0001	1	1	1	-0.0041		2025-09-06T04:47:17
CCV NO2	121	QC	1	0.1287	1	1	1	1.0720		2025-09-06T04:48:21
CCB	122	QC	0	0.0007	1	1	1	0.0012		2025-09-06T04:49:32
L2555902-02H	123	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:50:40
L2555951-01D	124	Unknown	?	0.0004	1	1	1	-0.0015		2025-09-06T04:51:49

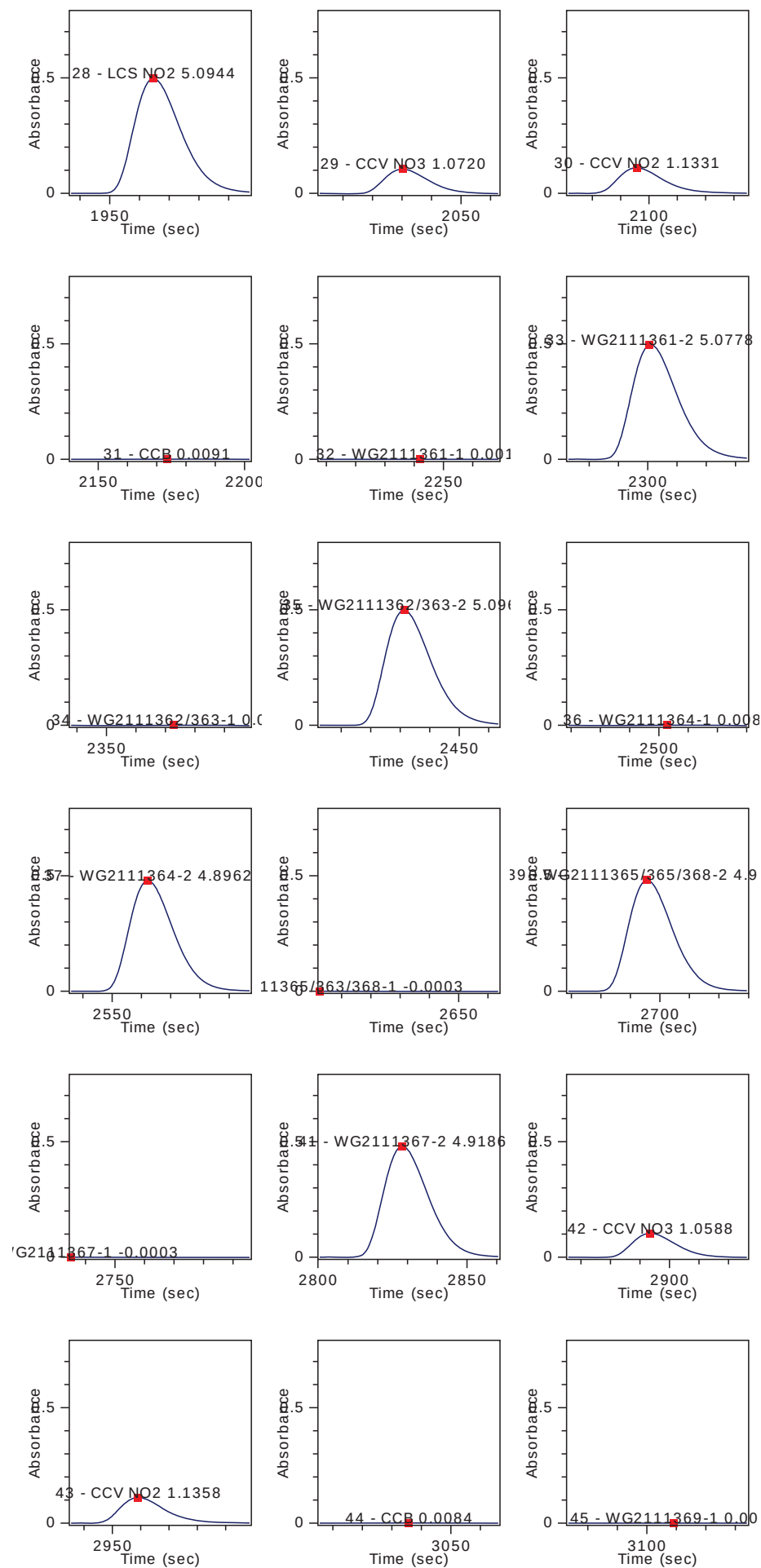
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555605-03N	125	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T04:52:52
CCV NO3	126	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:53:59
CCV NO2	127	QC	1	0.1292	1	1	1	1.0766		2025-09-06T04:55:03
CCB	128	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:56:16
Unknown1	129	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T05:06:03
spacer	130	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:06:29
spacer	131	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:07:34
WG2111362-4	132	Unknown	?	0.0016	1	10	1	0.0863		2025-09-06T05:08:43
WG2111365/367-4	133	Unknown	?	0.0019	1	5	1	0.0544		2025-09-06T05:09:51
CCV NO3	134	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T05:10:46
CCV NO2	135	QC	1	0.1283	1	1	1	1.0687		2025-09-06T05:11:59
CCB	136	QC	0	0.0008	1	1	1	0.0016		2025-09-06T05:13:09

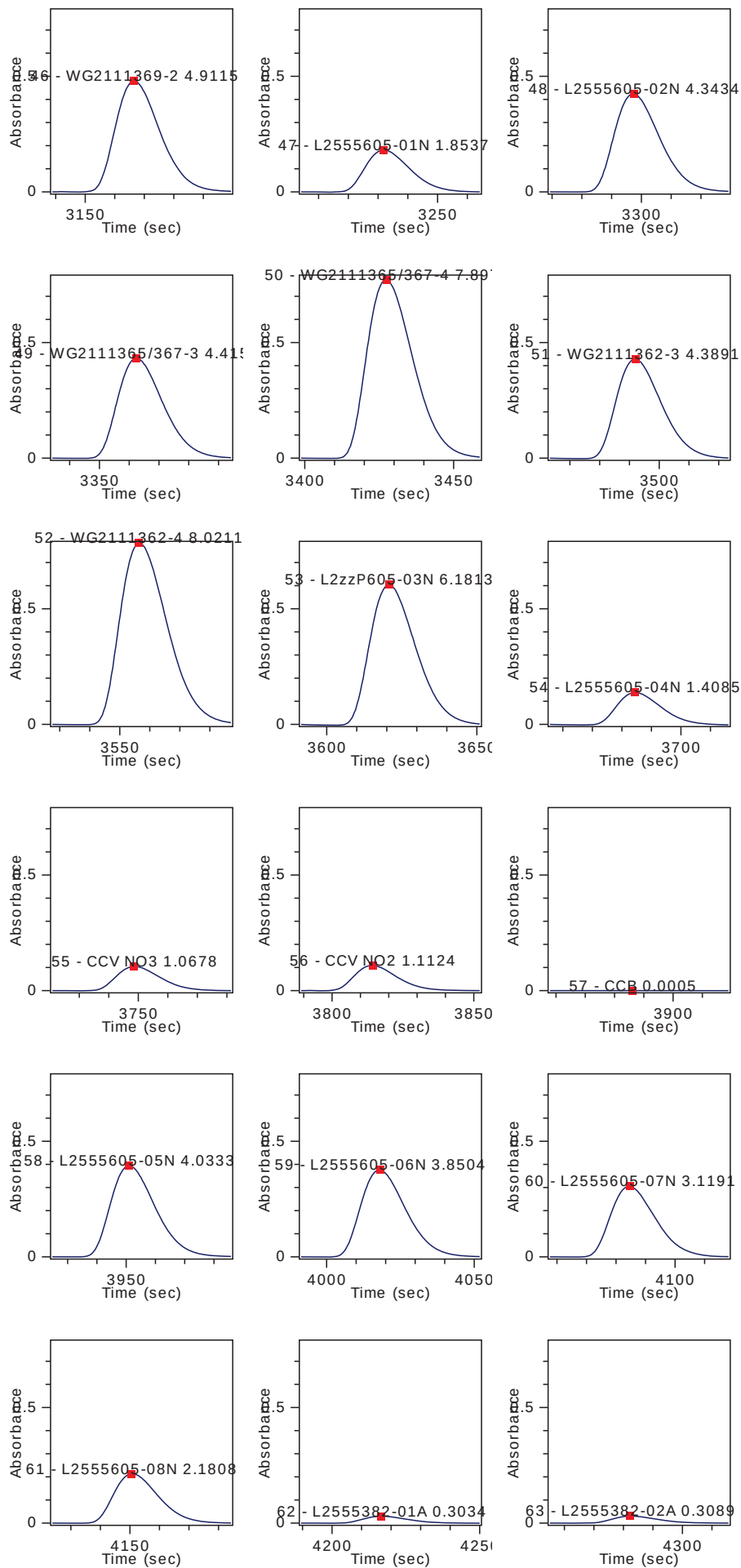
Peaks:

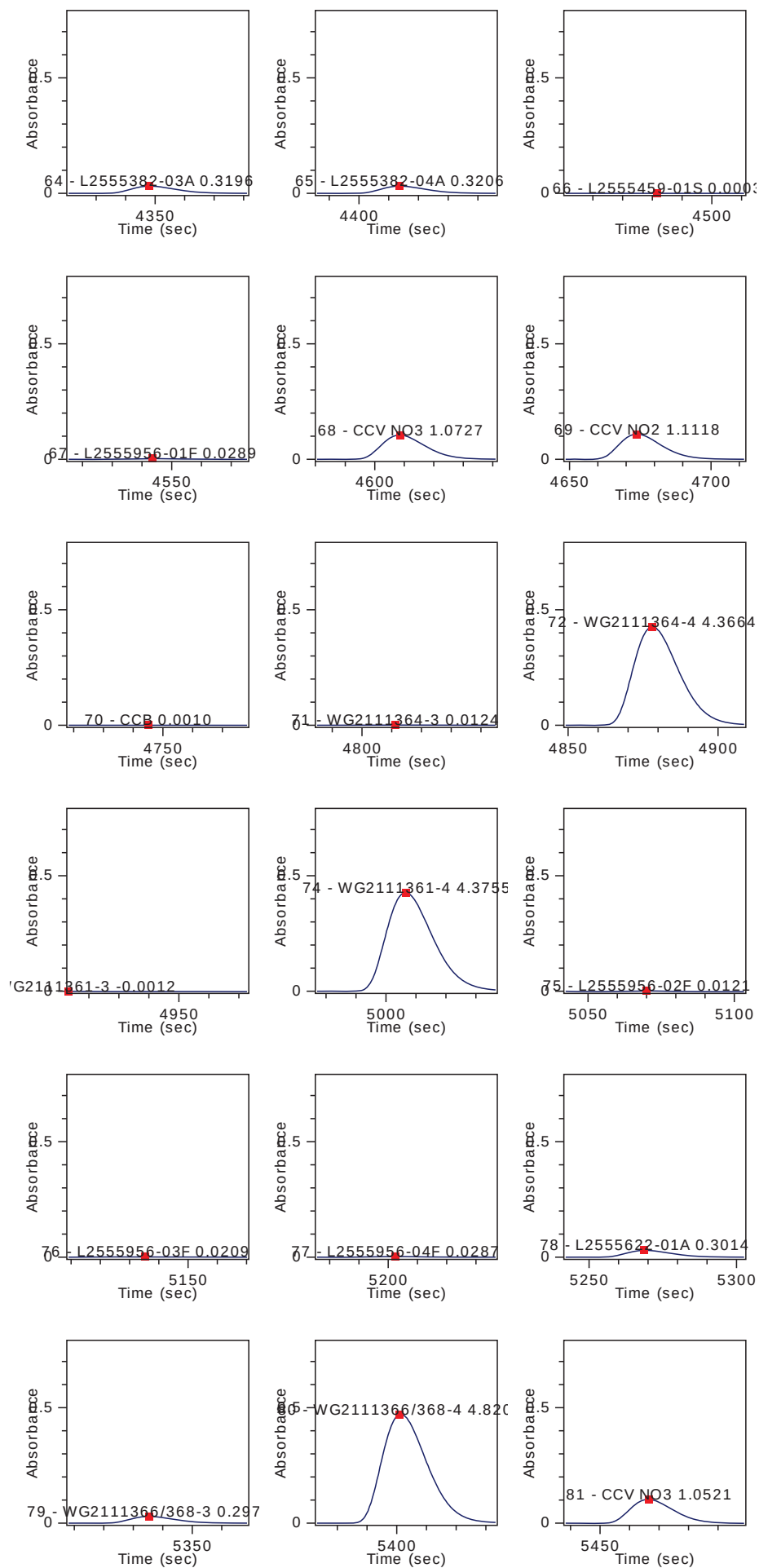
Channel: 1-NOx

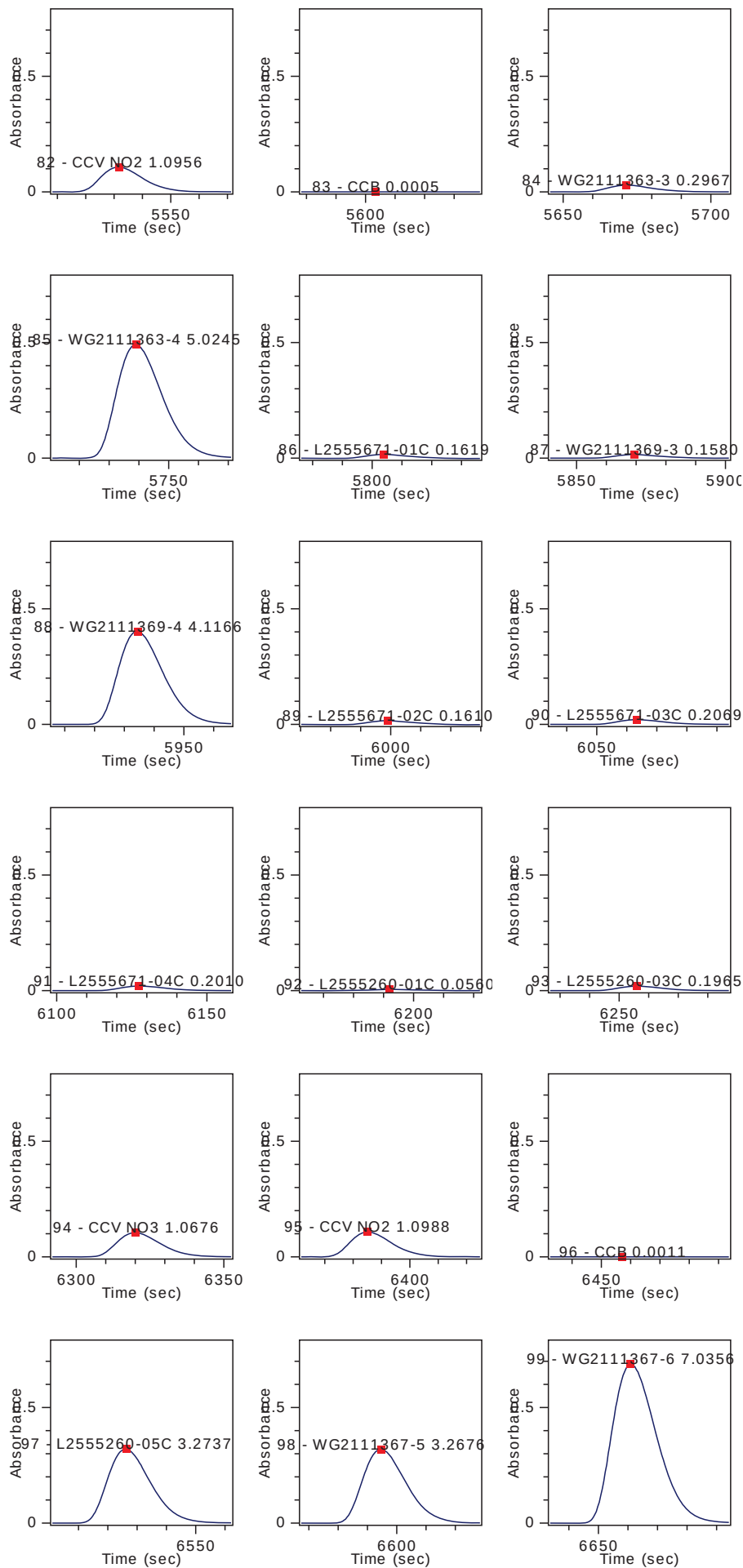


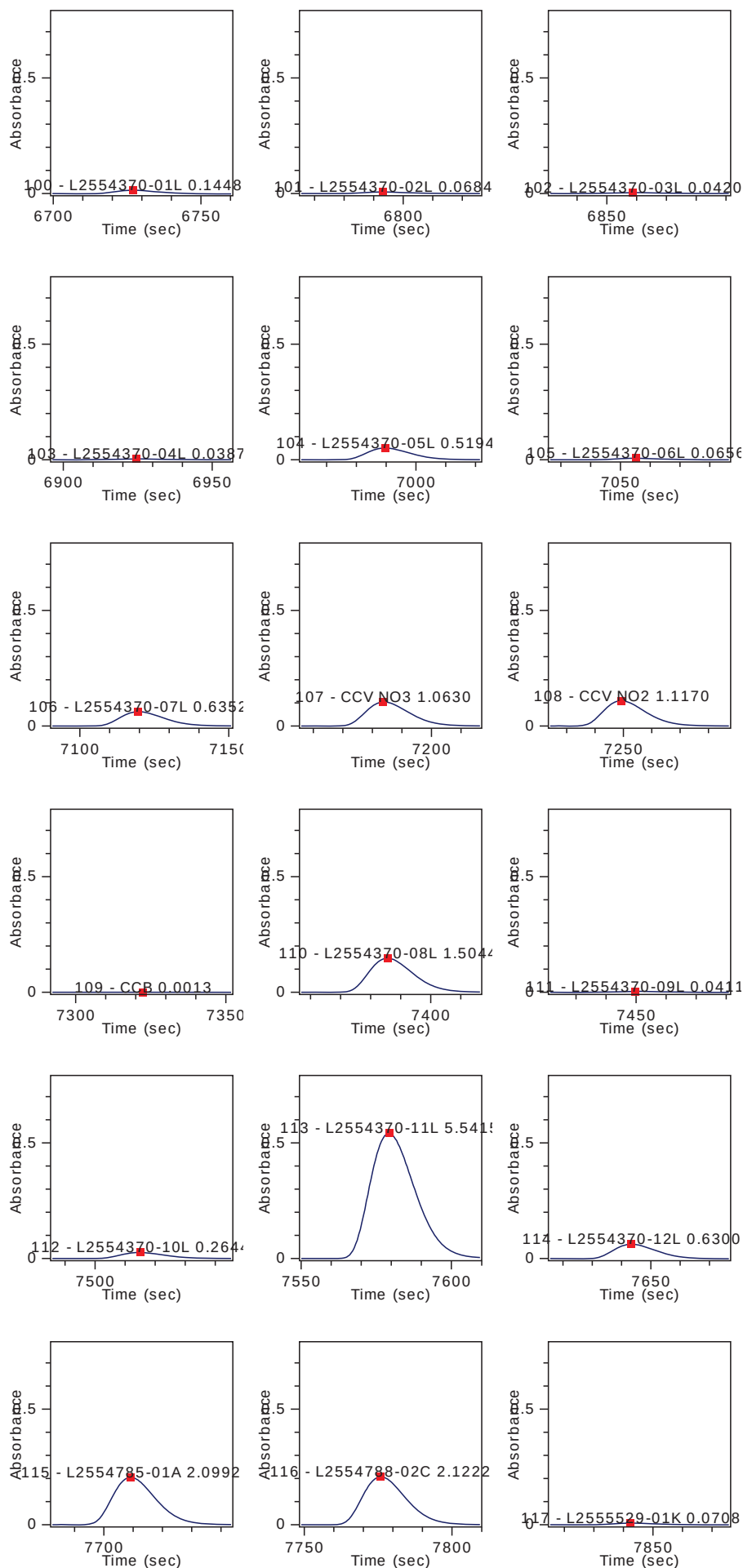


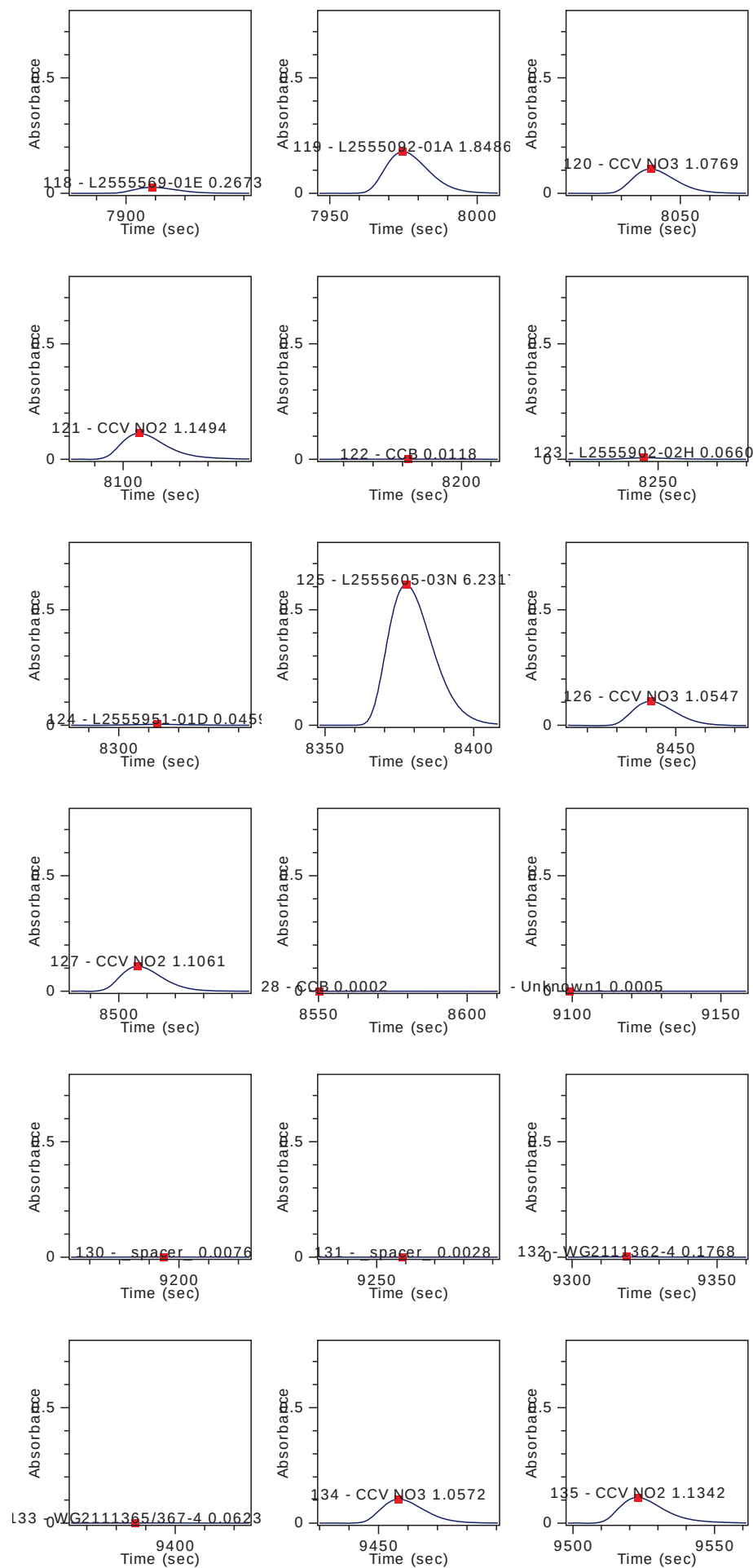


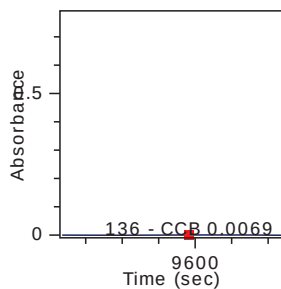




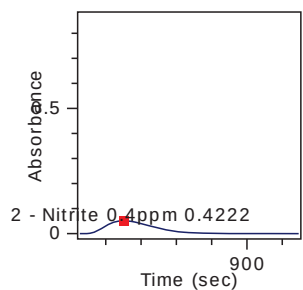
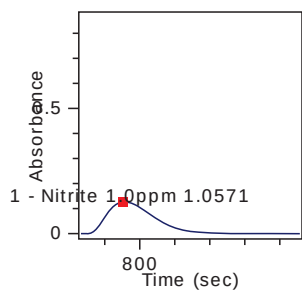
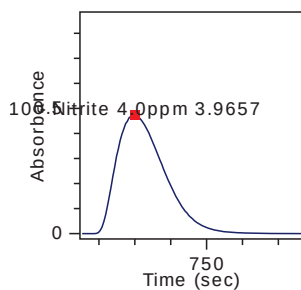
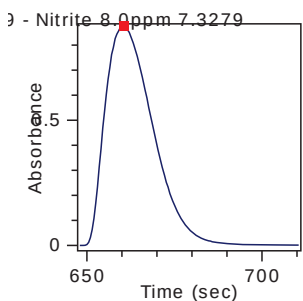
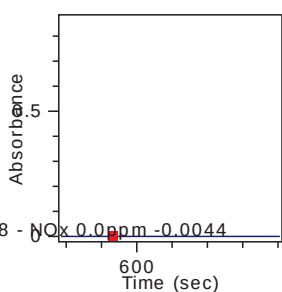
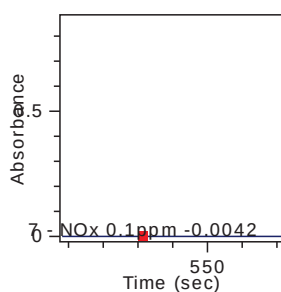
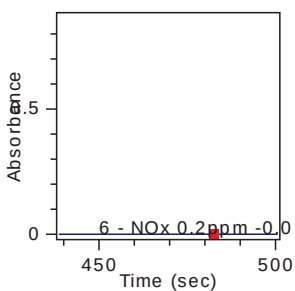
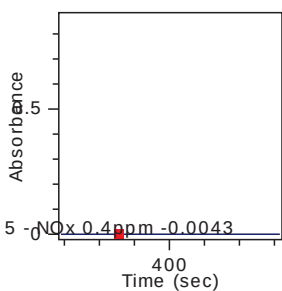
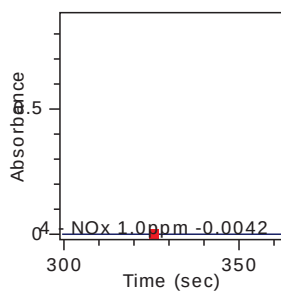
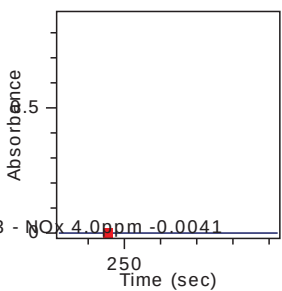
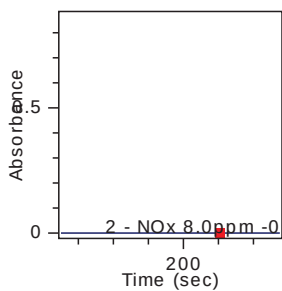
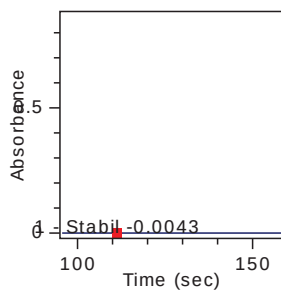


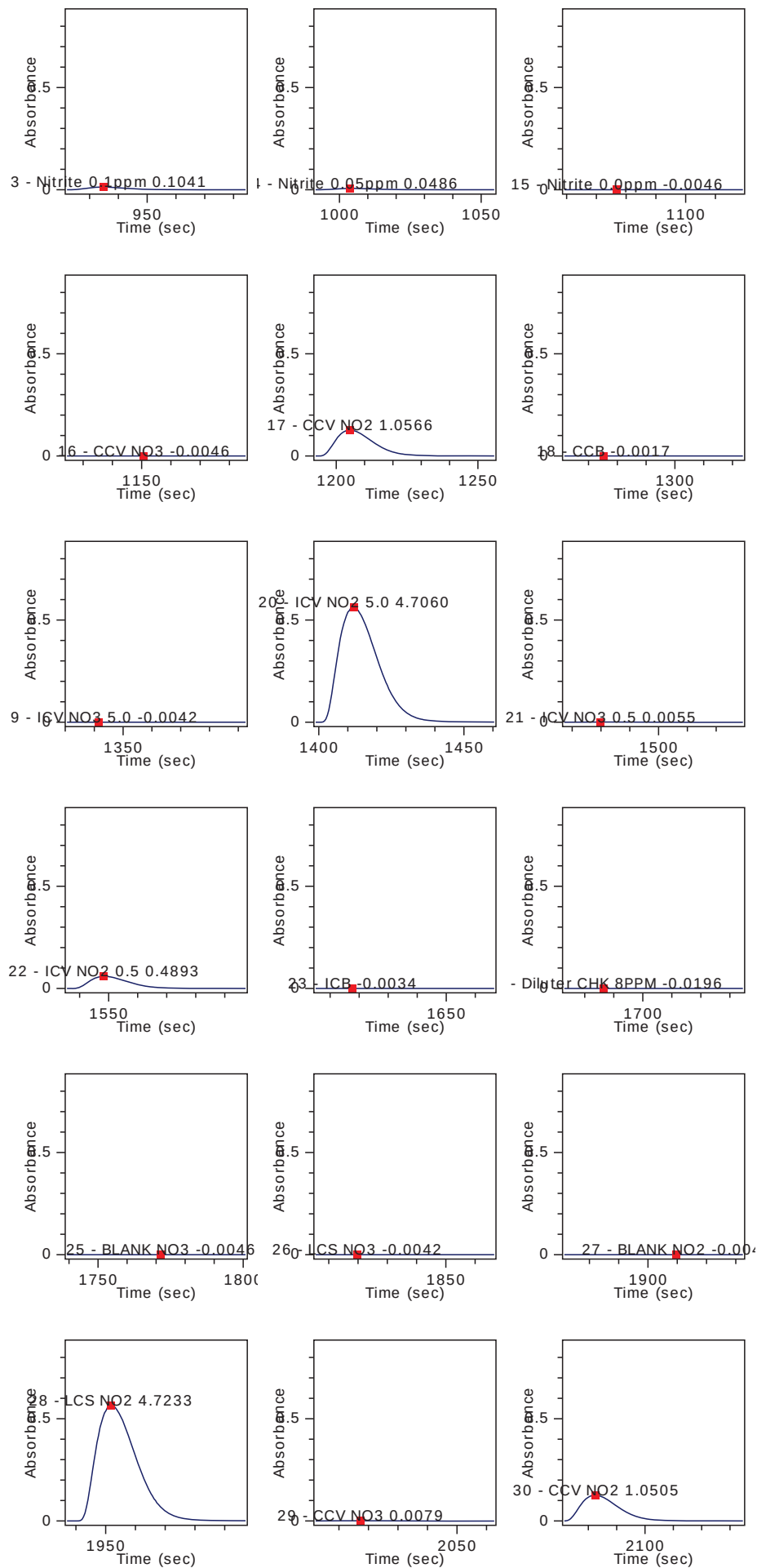


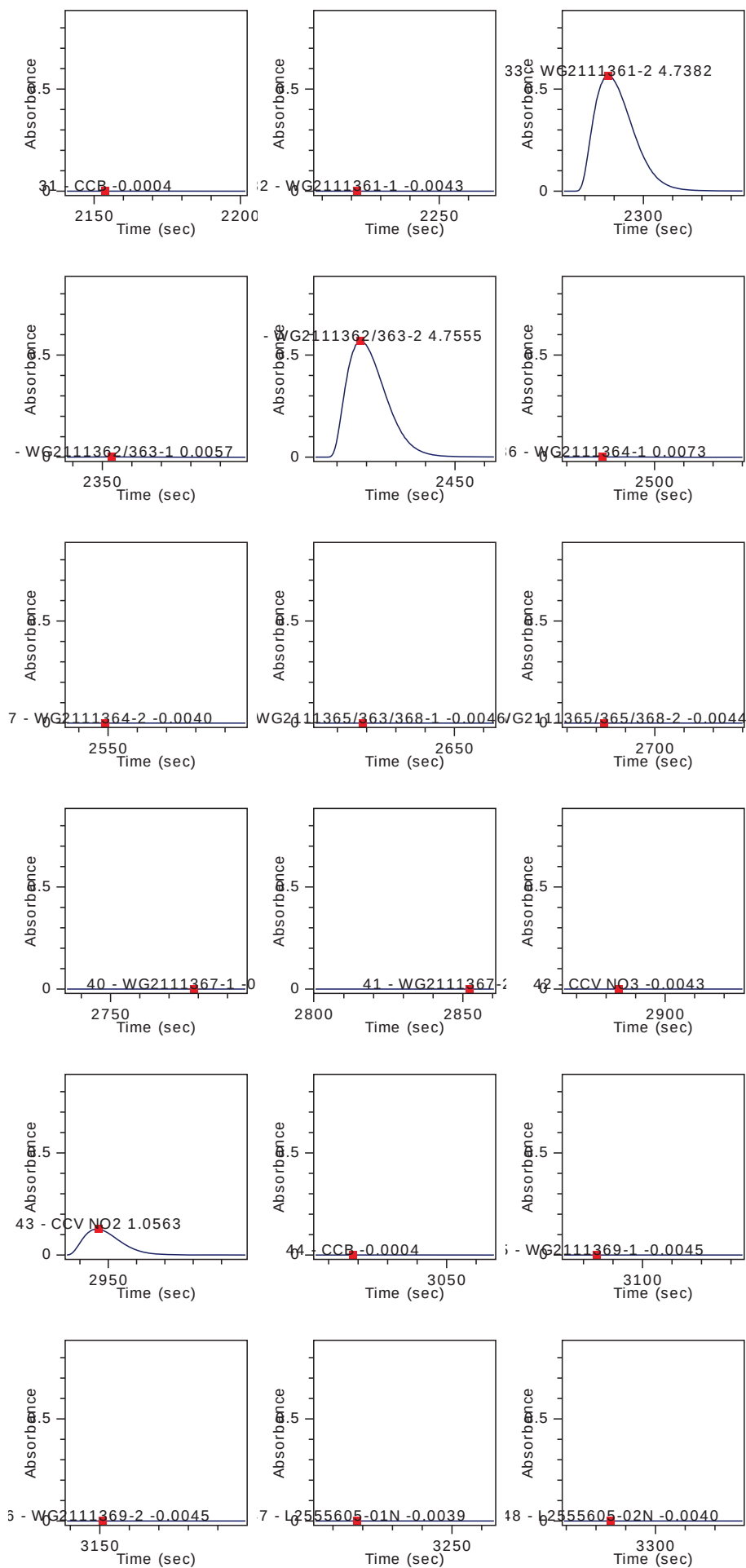


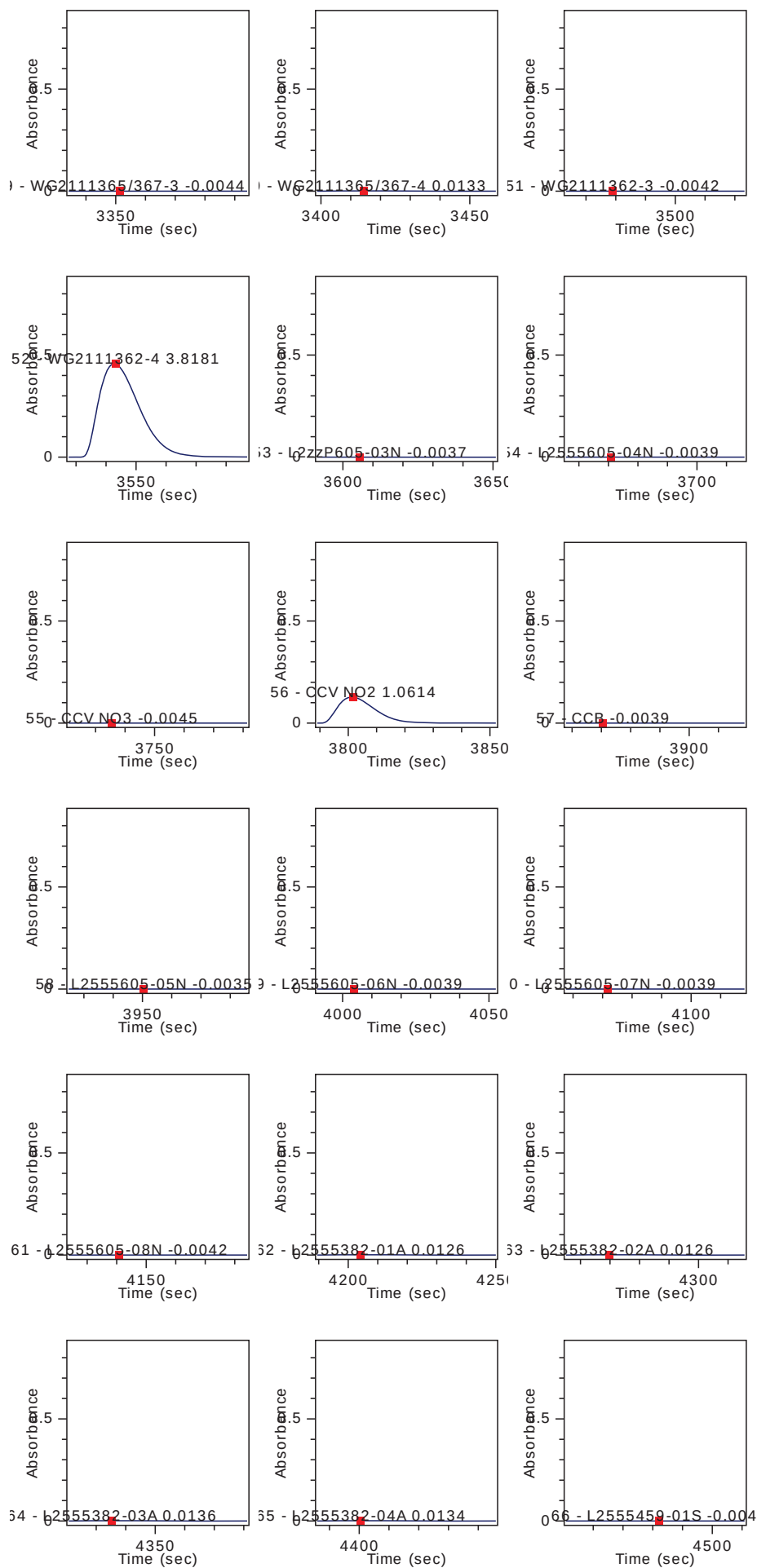


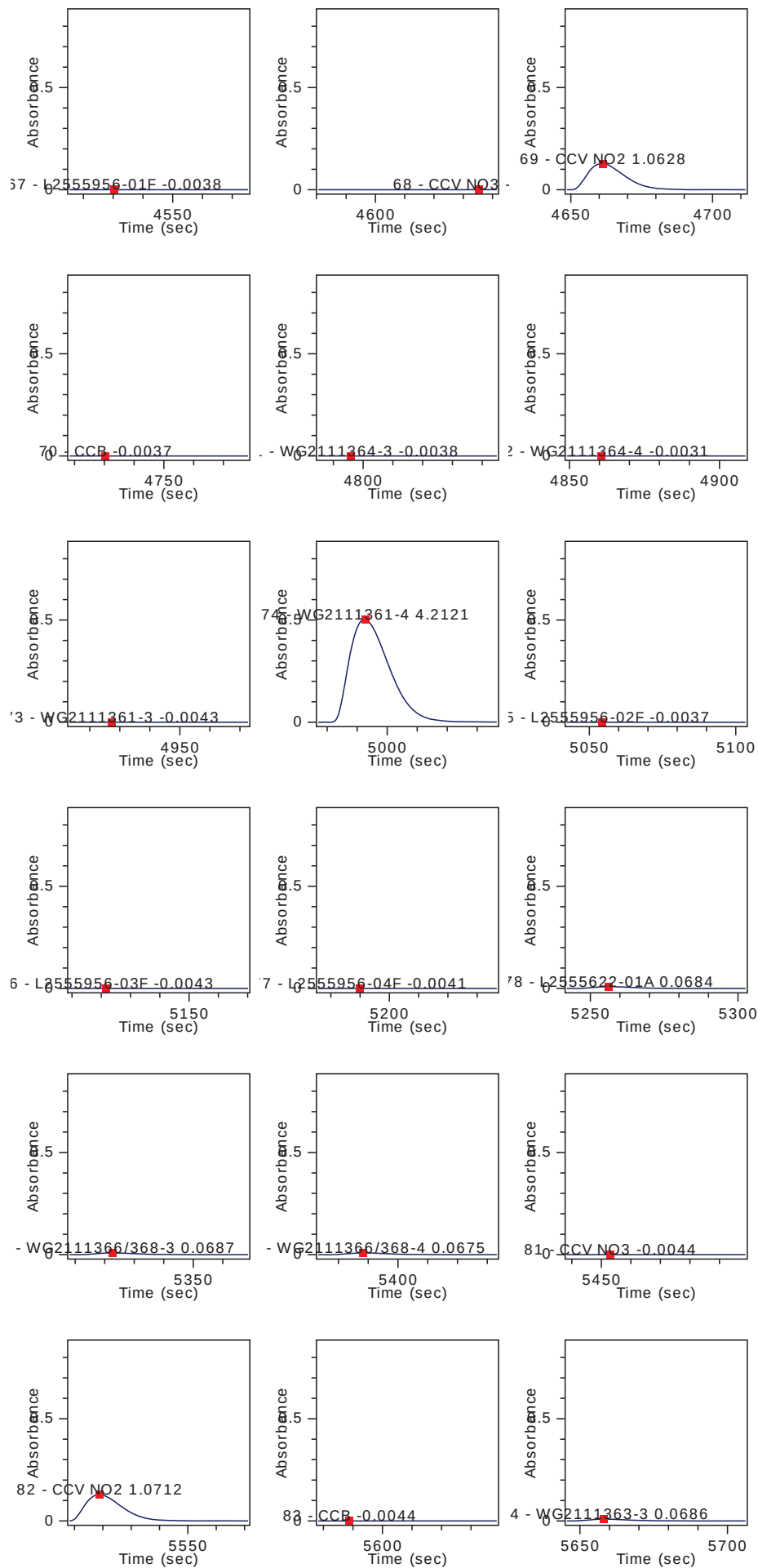
Channel: 2-NO2

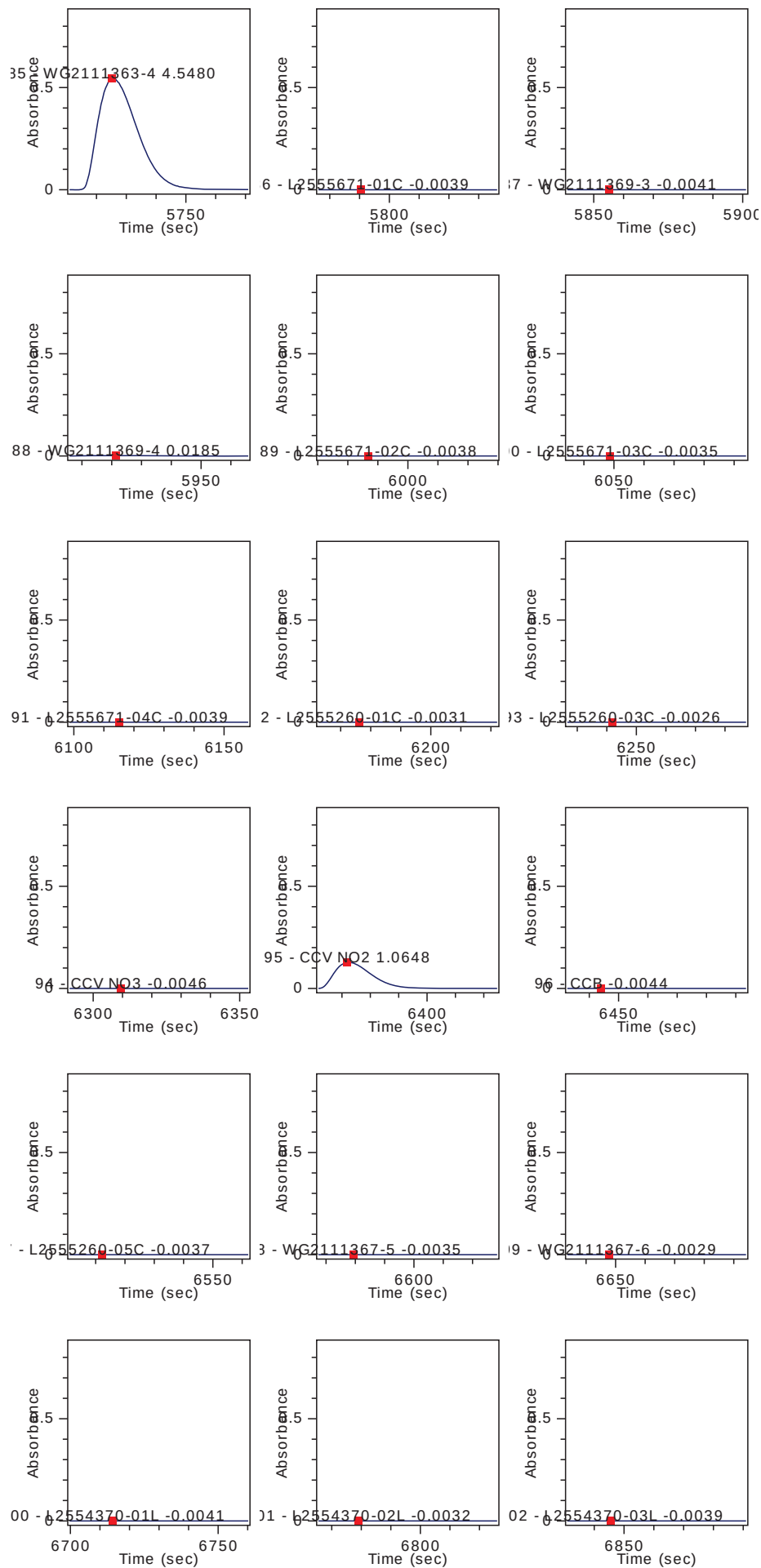


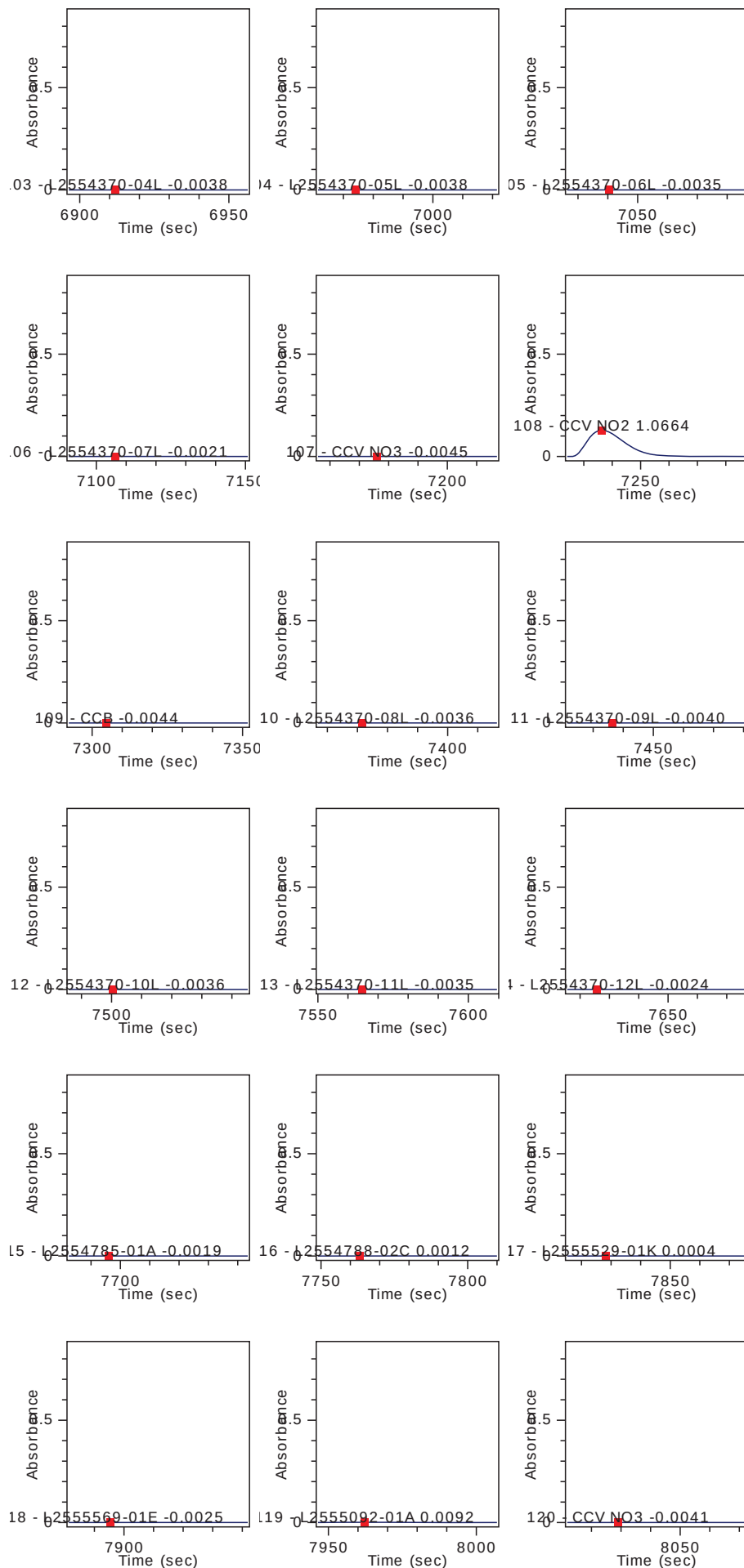


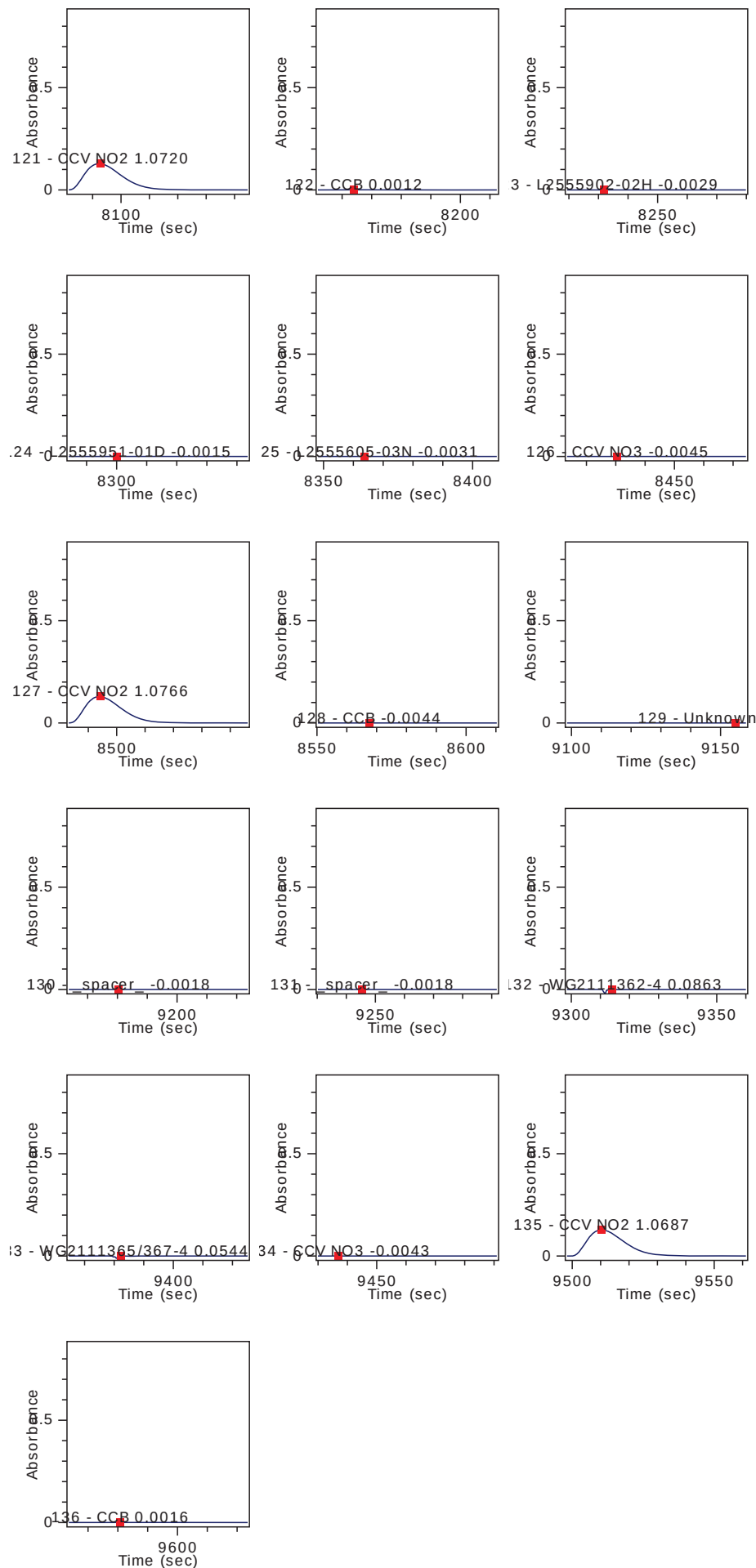












Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
|--- Low: 500nm
|--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T02:33:29

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:36

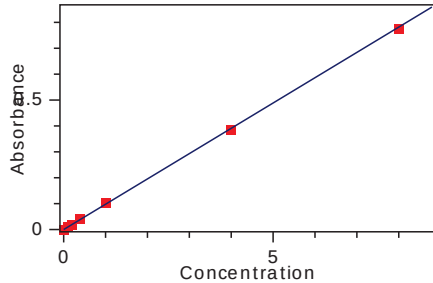
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
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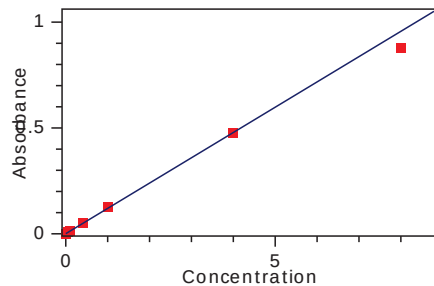
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	N/A
10002	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	N/A
10003	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	N/A
10004	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	N/A
10005	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	N/A
10006	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	N/A



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	N/A
10002	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	N/A
10003	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	N/A
10004	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	N/A
10005	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	N/A
10006	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	N/A
10007	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0002	1	1	1	0.0025		2025-09-06T07:21:15
CCV NO3	2	QC	1	0.1049	1	1	1	1.0735		2025-09-06T07:22:28
CCV NO2	3	QC	?	0.1104	1	1	1	1.1304		2025-09-06T07:23:34
CCB	4	QC	0	0.0009	1	1	1	0.0091		2025-09-06T07:24:49

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111365/367-4	5	Unknown	?	0.1617	1	5	1	8.2740		2025-09-06T07:25:52
WG2111400-1	6	Unknown	?	0.0000	1	1	1	0.0001		2025-09-06T07:26:31
WG2111400-2	7	Unknown	?	0.4844	1	1	1	4.9570		2025-09-06T07:28:04
WG2111401-1	8	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T07:28:41
WG2111401-2	9	Unknown	?	0.4862	1	1	1	4.9758		2025-09-06T07:30:14
L2554780-02A	10	Unknown	?	0.6651	1	1	1	6.8060		2025-09-06T07:31:20
WG2111400-3	11	Unknown	?	0.6590	1	1	1	6.7436		2025-09-06T07:32:24
WG2111400-4	12	Unknown	?	0.9648	1	1	1	9.8732	OVR	2025-09-06T07:33:29
L2554800-01A	13	Unknown	?	1.3422	1	1	1	13.7344	OVR	2025-09-06T07:34:34
L2554949-01A	14	Unknown	?	0.0325	1	1	1	0.3327		2025-09-06T07:35:39
CCV NO3	15	QC	1	0.1035	1	1	1	1.0600		2025-09-06T07:36:45
CCV NO2	16	QC	?	0.1099	1	1	1	1.1249		2025-09-06T07:37:51
CCB	17	QC	0	0.0007	1	1	1	0.0075		2025-09-06T07:39:04
L2554949-02A	18	Unknown	?	0.0316	1	1	1	0.3238		2025-09-06T07:40:09
L2555006-01A	19	Unknown	?	0.0068	1	1	1	0.0697		2025-09-06T07:41:17
L2555051-02A	20	Unknown	?	0.1038	1	1	1	1.0622		2025-09-06T07:42:23
L2555051-04A	21	Unknown	?	0.0399	1	1	1	0.4088		2025-09-06T07:43:29
L2555051-07A	22	Unknown	?	0.0511	1	1	1	0.5231		2025-09-06T07:44:34
L2555094-01A	23	Unknown	?	0.1765	1	1	1	1.8067		2025-09-06T07:45:40
WG2111400-5	24	Unknown	?	0.1761	1	1	1	1.8019		2025-09-06T07:46:46
WG2111400-6	25	Unknown	?	0.5597	1	1	1	5.7280		2025-09-06T07:47:51
L2555094-02B	26	Unknown	?	0.9937	1	1	1	10.1689	OVR	2025-09-06T07:48:56
L2555509-02B	27	Unknown	?	0.0118	1	1	1	0.1215		2025-09-06T07:50:02
CCV NO3	28	QC	1	0.1031	1	1	1	1.0551		2025-09-06T07:51:06
CCV NO2	29	QC	?	0.1063	1	1	1	1.0879		2025-09-06T07:52:12
CCB	30	QC	0	0.0001	1	1	1	0.0011		2025-09-06T07:53:23
L2555509-03B	31	Unknown	?	0.3455	1	1	1	3.5354		2025-09-06T07:54:31
CCV NO3	32	QC	1	0.1021	1	1	1	1.0447		2025-09-06T07:55:36
CCV NO2	33	QC	?	0.1061	1	1	1	1.0859		2025-09-06T07:56:42
CCB	34	QC	0	0.0001	1	1	1	0.0009		2025-09-06T07:57:52
spacer	35	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T08:06:31
spacer	36	Unknown	?	0.0004	1	1	1	0.0049		2025-09-06T08:07:55
WG2111400-4	37	Unknown	?	0.1036	1	10	1	10.6067		2025-09-06T08:09:04

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554800-01A	38	Unknown	?	0.1888	1	10	1	19.3230		2025-09-06T08:10:13
L2555094-02B	39	Unknown	?	0.1104	1	10	1	11.2998		2025-09-06T08:11:21
L2554949-01A	40	Unknown	?	0.0363	1	1	1	0.3720		2025-09-06T08:12:29
L2555509-02B	41	Unknown	?	0.0146	1	1	1	0.1500		2025-09-06T08:13:35
CCV NO3	42	QC	1	0.1025	1	1	1	1.0490		2025-09-06T08:14:39
CCV NO2	43	QC	?	0.1056	1	1	1	1.0805		2025-09-06T08:15:44
CCB	44	QC	0	0.0001	1	1	1	0.0009		2025-09-06T08:16:57

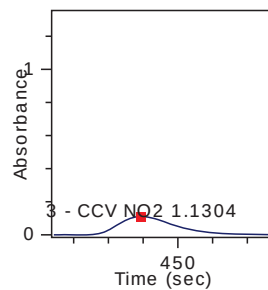
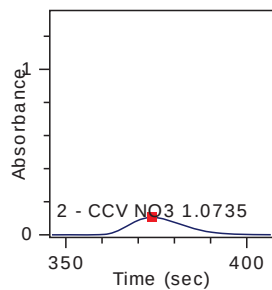
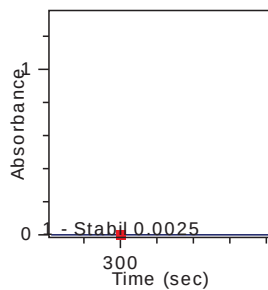
Channel: 2-NO2

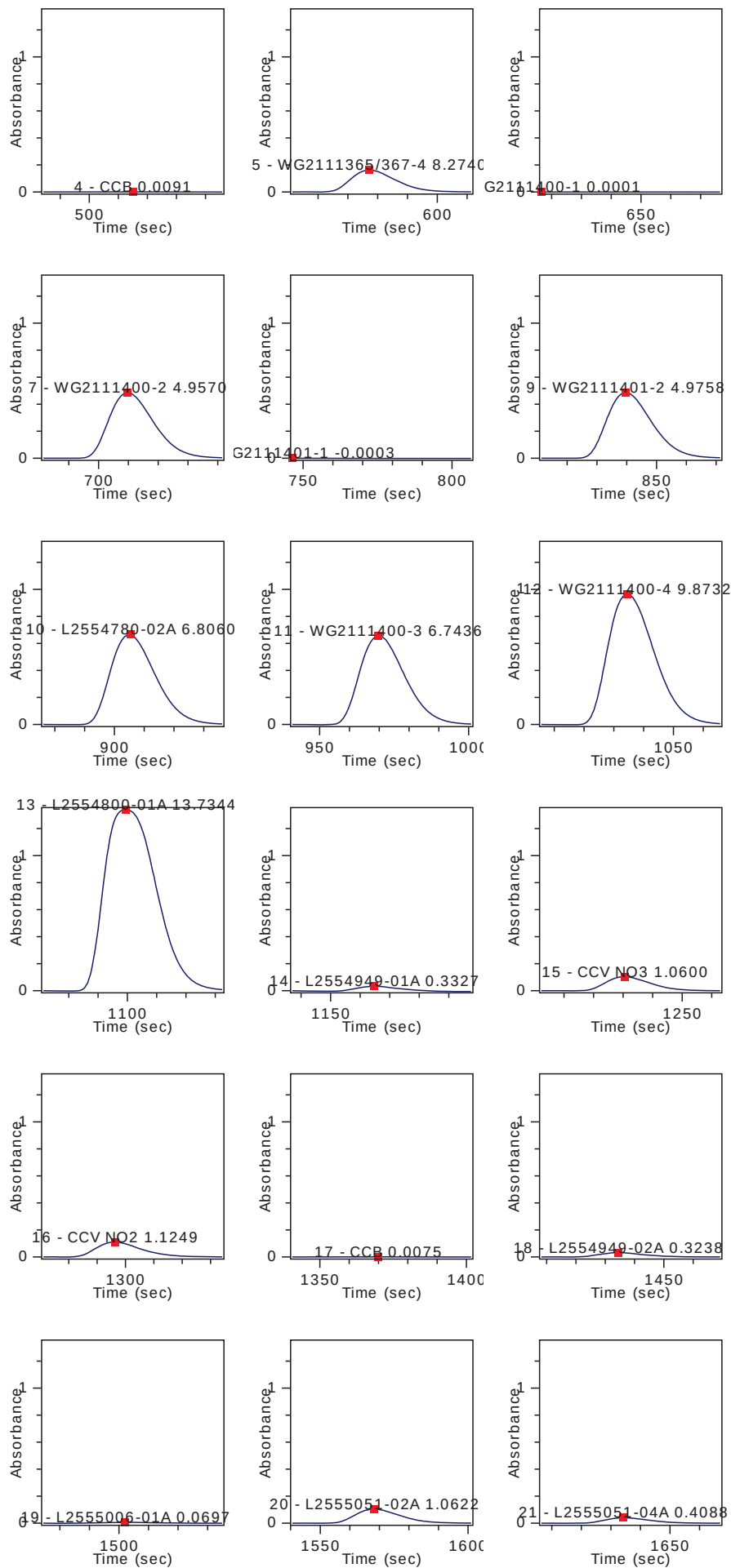
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T07:20:56
CCV NO3	2	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T07:22:15
CCV NO2	3	QC	1	0.1275	1	1	1	1.0624		2025-09-06T07:23:21
CCB	4	QC	0	0.0006	1	1	1	0.0004		2025-09-06T07:24:32
WG2111365/367-4	5	Unknown	?	0.0006	1	5	1	0.0012		2025-09-06T07:25:40
WG2111400-1	6	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T07:27:30
WG2111400-2	7	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T07:28:20
WG2111401-1	8	Unknown	?	0.0001	1	1	1	-0.0044		2025-09-06T07:29:05
WG2111401-2	9	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T07:30:18
L2554780-02A	10	Unknown	?	0.0037	1	1	1	0.0263		2025-09-06T07:31:07
WG2111400-3	11	Unknown	?	0.0039	1	1	1	0.0280		2025-09-06T07:32:11
WG2111400-4	12	Unknown	?	0.0037	1	1	1	0.0266		2025-09-06T07:33:15
L2554800-01A	13	Unknown	?	0.0433	1	1	1	0.3577		2025-09-06T07:34:20
L2554949-01A	14	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T07:35:26
CCV NO3	15	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T07:36:47
CCV NO2	16	QC	1	0.1276	1	1	1	1.0632		2025-09-06T07:37:38
CCB	17	QC	0	0.0006	1	1	1	-0.0001		2025-09-06T07:38:49
L2554949-02A	18	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T07:39:55
L2555006-01A	19	Unknown	?	0.0004	1	1	1	-0.0014		2025-09-06T07:41:02
L2555051-02A	20	Unknown	?	0.0399	1	1	1	0.3295		2025-09-06T07:42:10
L2555051-04A	21	Unknown	?	0.0025	1	1	1	0.0159		2025-09-06T07:43:14
L2555051-07A	22	Unknown	?	0.0043	1	1	1	0.0310		2025-09-06T07:44:21
L2555094-01A	23	Unknown	?	0.0058	1	1	1	0.0441		2025-09-06T07:45:27
WG2111400-5	24	Unknown	?	0.0058	1	1	1	0.0441		2025-09-

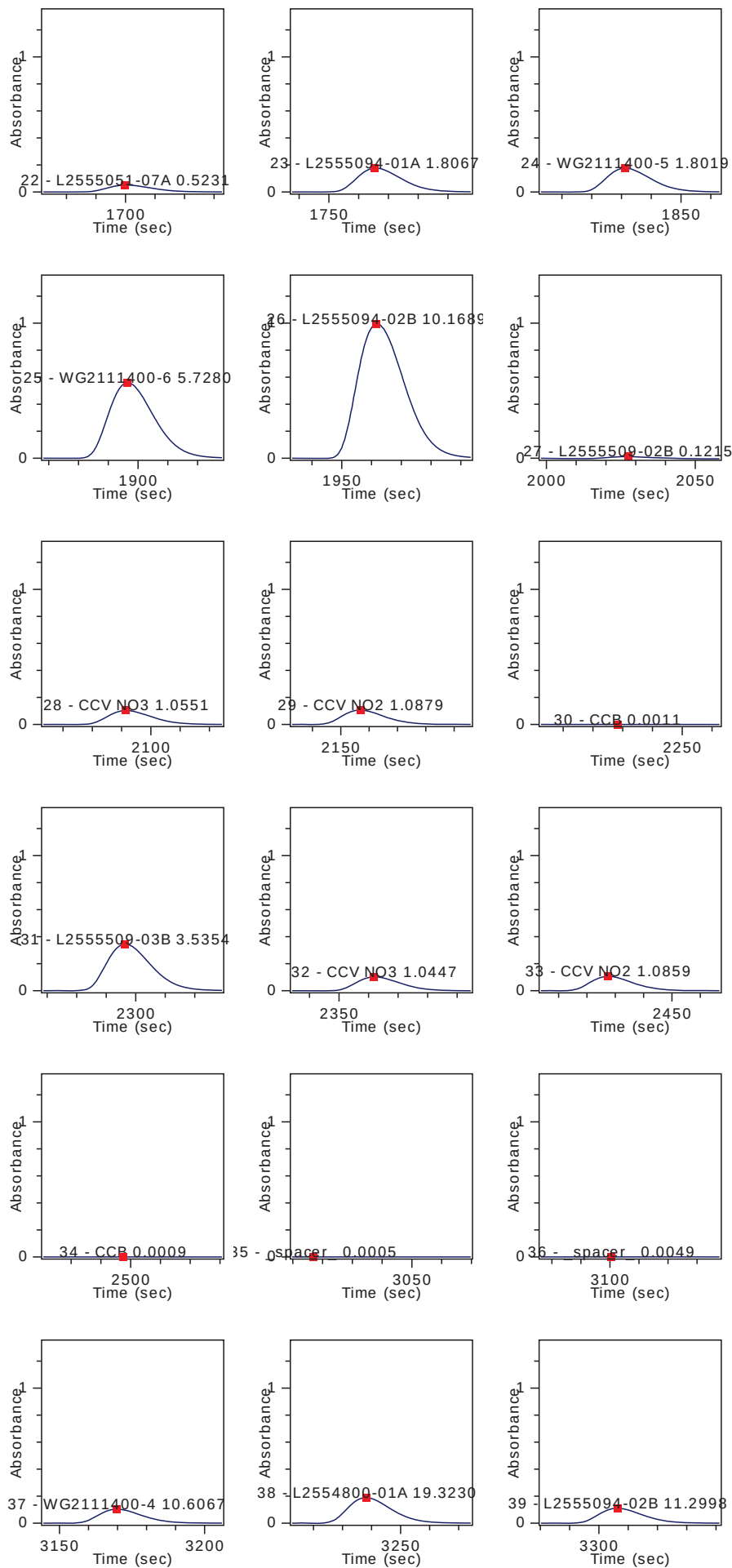
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T07:46:33
WG2111400-6	25	Unknown	?	0.0057	1	1	1	0.0433		2025-09-06T07:47:38
L2555094-02B	26	Unknown	?	0.0696	1	1	1	0.5775		2025-09-06T07:48:43
L255509-02B	27	Unknown	?	0.0009	1	1	1	0.0028		2025-09-06T07:49:48
CCV NO3	28	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T07:50:54
CCV NO2	29	QC	1	0.1269	1	1	1	1.0571		2025-09-06T07:51:59
CCB	30	QC	0	0.0001	1	1	1	-0.0041		2025-09-06T07:53:12
L255509-03B	31	Unknown	?	0.0324	1	1	1	0.2664		2025-09-06T07:54:18
CCV NO3	32	QC	?	0.0001	1	1	1	-0.0037		2025-09-06T07:55:24
CCV NO2	33	QC	1	0.1265	1	1	1	1.0539		2025-09-06T07:56:29
CCB	34	QC	0	0.0001	1	1	1	-0.0043		2025-09-06T07:57:41
spacer	35	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T08:07:22
spacer	36	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T08:07:45
WG2111400-4	37	Unknown	?	0.0004	1	10	1	-0.0132		2025-09-06T08:08:54
L2554800-01A	38	Unknown	?	0.0044	1	10	1	0.3213		2025-09-06T08:10:01
L2555094-02B	39	Unknown	?	0.0069	1	10	1	0.5335		2025-09-06T08:11:09
L2554949-01A	40	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T08:12:16
L255509-02B	41	Unknown	?	0.0009	1	1	1	0.0031		2025-09-06T08:13:20
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0038		2025-09-06T08:14:27
CCV NO2	43	QC	1	0.1254	1	1	1	1.0451		2025-09-06T08:15:31
CCB	44	QC	0	0.0002	1	1	1	-0.0033		2025-09-06T08:16:42

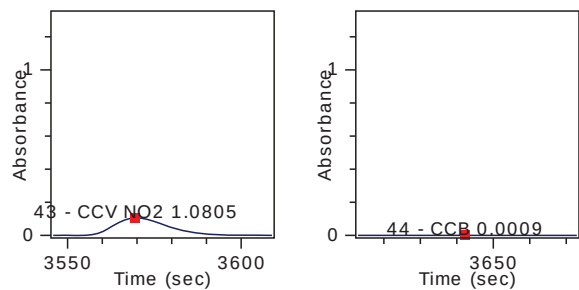
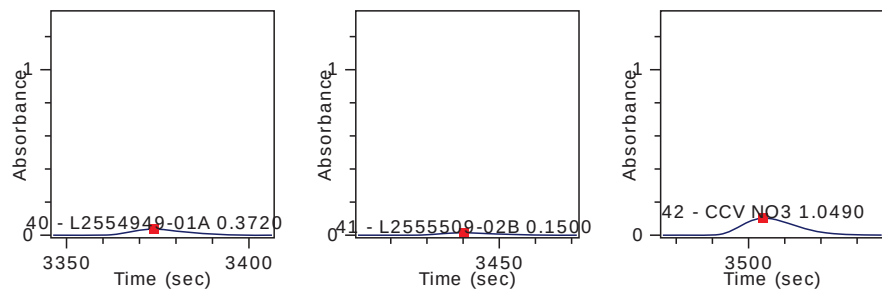
Peaks:

Channel: 1-NOx

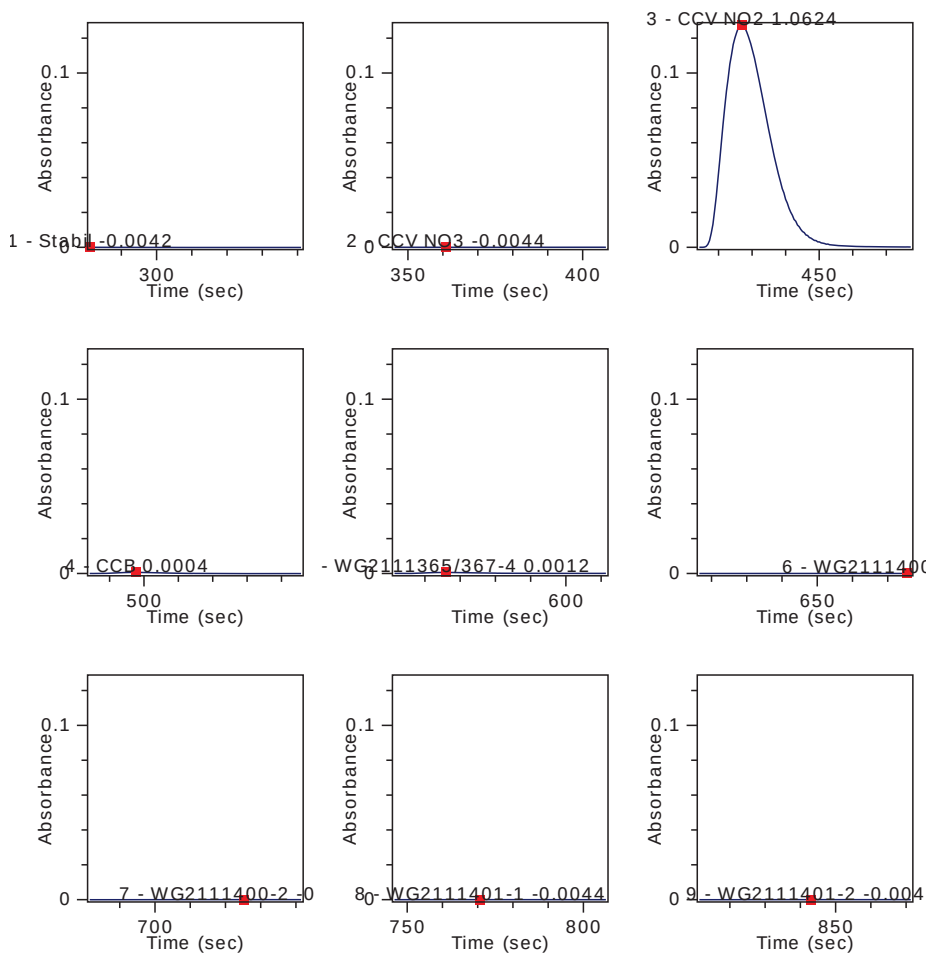


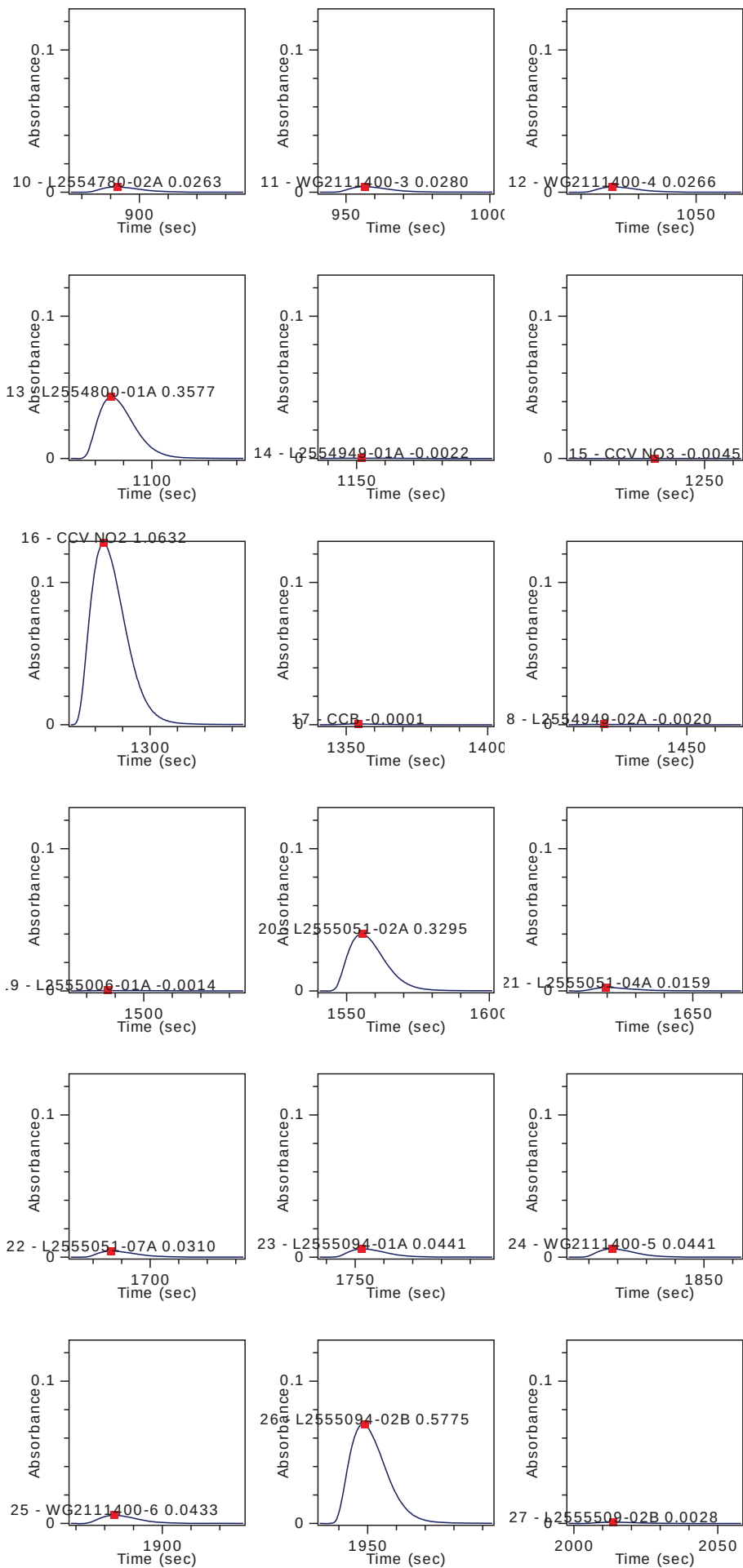


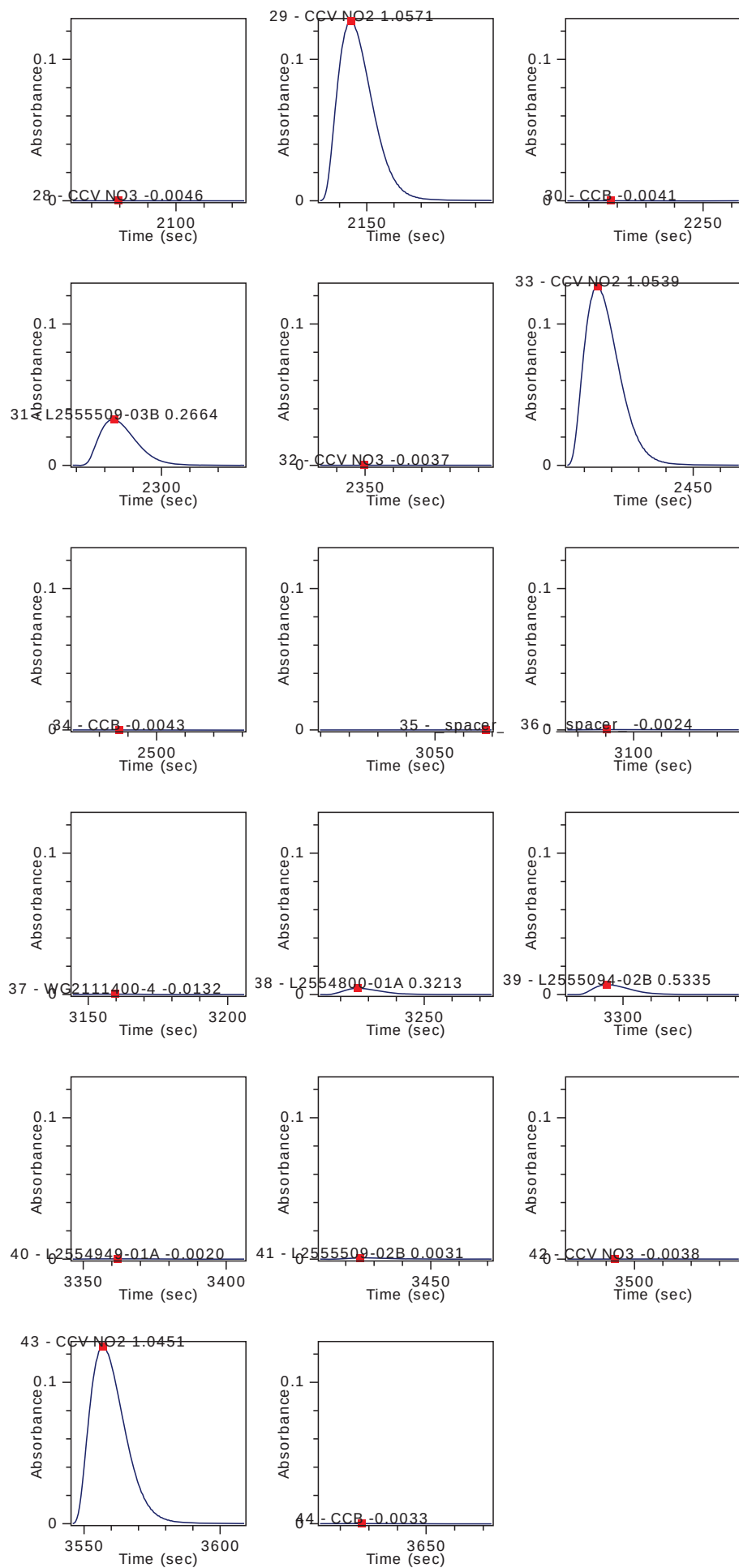




Channel: 2-NO2







Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T07:16:15

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash

Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject

Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up

Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample

Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject

Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse

Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 09:46:23

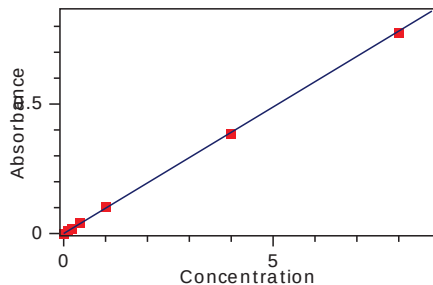
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-094602.dat

Dataset Notes:

Analyst	
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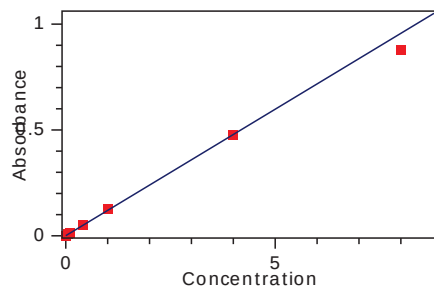
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	N/A
10002	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	N/A
10003	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	N/A
10004	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	N/A
10005	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	N/A
10006	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	N/A



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	N/A
10002	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	N/A
10003	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	N/A
10004	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	N/A
10005	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	N/A
10006	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	N/A
10007	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0014		2025-09-06T08:40:27
CCV NO3	2	QC	1	0.1038	1	1	1	1.0626		2025-09-06T08:41:39
CCV NO2	3	QC	?	0.1096	1	1	1	1.1219		2025-09-06T08:42:45
CCB	4	QC	0	0.0009	1	1	1	0.0092		2025-09-06T08:43:59

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555910-03P	5	Unknown	?	0.0036	1	1	1	0.0370		2025-09-06T08:45:01
WG2111432-3	6	Unknown	?	0.0017	1	1	1	0.0174		2025-09-06T08:46:06
WG2111432-4	7	Unknown	?	0.3846	1	1	1	3.9355		2025-09-06T08:47:12
WG2111430-3	8	Unknown	?	0.0006	1	1	1	0.0066		2025-09-06T08:48:17
WG2111430-4	9	Unknown	?	0.4189	1	1	1	4.2866		2025-09-06T08:49:25
L2555910-05P; MTX	10	Unknown	?	0.0004	1	5	1	0.0245		2025-09-06T08:50:32
L2555848-01J	11	Unknown	?	0.0079	1	1	1	0.0814		2025-09-06T08:51:39
L2555938-01N	12	Unknown	?	0.6789	1	1	1	6.9469		2025-09-06T08:52:45
L2555938-02N	13	Unknown	?	0.2458	1	1	1	2.5154		2025-09-06T08:53:51
L2555938-03N	14	Unknown	?	0.1116	1	1	1	1.1428		2025-09-06T08:54:56
CCV NO3	15	QC	1	0.1027	1	1	1	1.0512		2025-09-06T08:56:02
CCV NO2	16	QC	?	0.1071	1	1	1	1.0958		2025-09-06T08:57:07
CCB	17	QC	0	0.0001	1	1	1	0.0010		2025-09-06T08:58:20
L2555938-04N	18	Unknown	?	0.0045	1	1	1	0.0469		2025-09-06T08:59:24
L2555938-05N	19	Unknown	?	0.3918	1	1	1	4.0098		2025-09-06T09:00:31
L2556025-01E	20	Unknown	?	0.0401	1	1	1	0.4107		2025-09-06T09:01:35
WG2111401-3	21	Unknown	?	0.0392	1	1	1	0.4011		2025-09-06T09:02:41
WG2111401-4	22	Unknown	?	0.4264	1	1	1	4.3639		2025-09-06T09:03:47
L2556025-02E	23	Unknown	?	0.0036	1	1	1	0.0370		2025-09-06T09:04:52
L2556025-03E	24	Unknown	?	0.0051	1	1	1	0.0520		2025-09-06T09:05:57
L2556025-04E	25	Unknown	?	0.1247	1	1	1	1.2762		2025-09-06T09:07:03
L2556025-05E	26	Unknown	?	0.0035	1	1	1	0.0364		2025-09-06T09:08:10
L2556025-06E	27	Unknown	?	0.0913	1	1	1	0.9351		2025-09-06T09:09:16
CCV NO3	28	QC	1	0.1021	1	1	1	1.0450		2025-09-06T09:10:21
CCV NO2	29	QC	?	0.1054	1	1	1	1.0790		2025-09-06T09:11:27
CCB	30	QC	0	0.0000	1	1	1	0.0002		2025-09-06T09:12:13
L2556025-07E	31	Unknown	?	0.0558	1	1	1	0.5718		2025-09-06T09:13:47
L2554790-01B	32	Unknown	?	0.0151	1	1	1	0.1552		2025-09-06T09:14:55
L2554790-02C	33	Unknown	?	0.4583	1	1	1	4.6904		2025-09-06T09:16:01
L2554994-01C	34	Unknown	?	0.2732	1	1	1	2.7964		2025-09-06T09:17:06
L2554994-03C	35	Unknown	?	0.3599	1	1	1	3.6829		2025-09-06T09:18:13
L2554994-05C	36	Unknown	?	0.4057	1	1	1	4.1516		2025-09-06T09:19:18
L2554994-07C	37	Unknown	?	1.3719	1	1	1	14.0390	OVR	2025-09-06T09:20:29

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554994-09C	38	Unknown	?	0.4588	1	1	1	4.6950		2025-09-06T09:21:30
L2555775-01A	39	Unknown	?	0.0145	1	1	1	0.1486		2025-09-06T09:22:35
L2555775-02A	40	Unknown	?	0.4761	1	1	1	4.8719		2025-09-06T09:23:41
CCV NO3	41	QC	1	0.1006	1	1	1	1.0296		2025-09-06T09:24:46
CCV NO2	42	QC	?	0.1039	1	1	1	1.0635		2025-09-06T09:25:50
CCB	43	QC	0	0.0002	1	1	1	0.0020		2025-09-06T09:27:04
L2555777-01A	44	Unknown	?	0.2147	1	1	1	2.1969		2025-09-06T09:28:14
L2555777-02A	45	Unknown	?	0.4548	1	1	1	4.6547		2025-09-06T09:29:20
L2554994-09C	46	Unknown	?	0.4643	1	1	1	4.7512		2025-09-06T09:30:27
CCV NO3	47	QC	1	0.1010	1	1	1	1.0336		2025-09-06T09:31:31
CCV NO2	48	QC	?	0.1071	1	1	1	1.0967		2025-09-06T09:32:37
CCB	49	QC	0	0.0005	1	1	1	0.0053		2025-09-06T09:33:50
spacer	50	Unknown	?	0.0000	1	1	1	0.0004		2025-09-06T09:38:09
spacer	51	Unknown	?	0.0005	1	1	1	0.0050		2025-09-06T09:39:05
L2554994-07C	52	Unknown	?	0.2839	1	10	1	29.0565		2025-09-06T09:40:14
CCV NO3	53	QC	1	0.1010	1	1	1	1.0340		2025-09-06T09:41:21
CCV NO2	54	QC	?	0.1074	1	1	1	1.0995		2025-09-06T09:42:26
CCB	55	QC	0	0.0007	1	1	1	0.0077		2025-09-06T09:43:42

Channel: 2-NO2

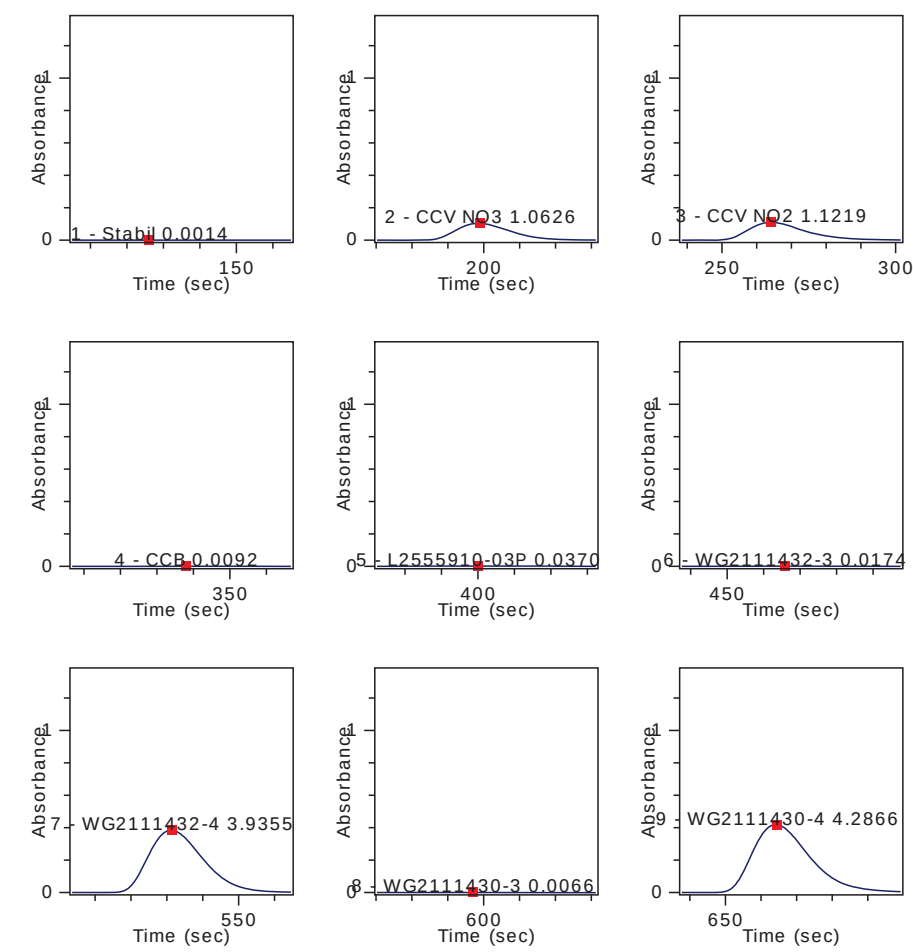
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0000	1	1	1	-0.0050		2025-09-06T08:40:05
CCV NO3	2	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T08:41:37
CCV NO2	3	QC	1	0.1241	1	1	1	1.0335		2025-09-06T08:42:32
CCB	4	QC	0	0.0009	1	1	1	0.0024		2025-09-06T08:43:42
L2555910-03P	5	Unknown	?	0.0002	1	1	1	-0.0034		2025-09-06T08:44:47
WG2111432-3	6	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T08:46:01
WG2111432-4	7	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T08:46:58
WG2111430-3	8	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T08:48:17
WG2111430-4	9	Unknown	?	0.4603	1	1	1	3.8474		2025-09-06T08:49:11
L2555910-05P; MTX	10	Unknown	?	0.0006	1	5	1	0.0023		2025-09-06T08:50:19
L2555848-01J	11	Unknown	?	0.0006	1	1	1	0.0000		2025-09-06T08:51:25
L2555938-01N	12	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T08:52:32
L2555938-	13	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-

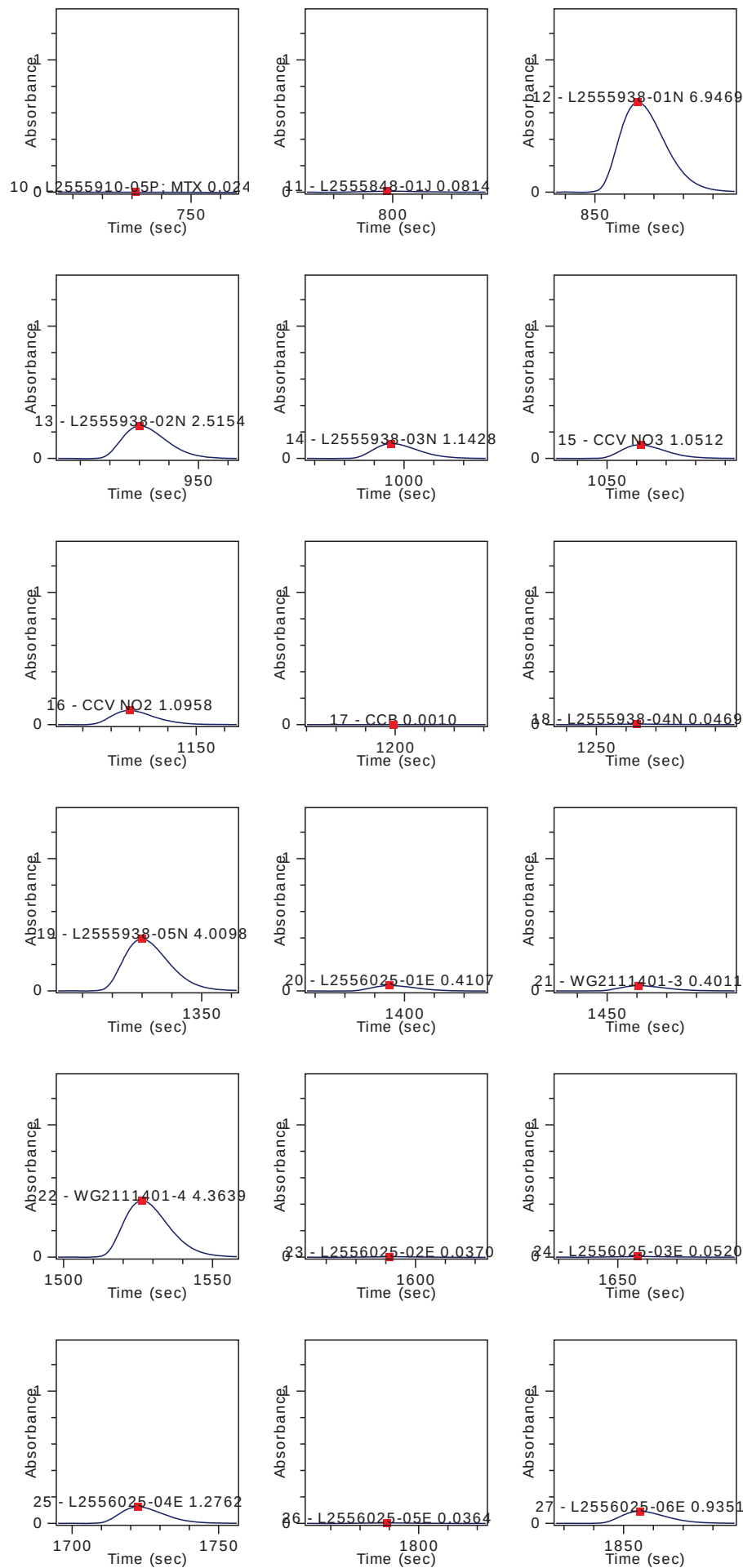
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
02N										06T08:53:36
L2555938-03N	14	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T08:54:43
CCV NO3	15	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T08:55:54
CCV NO2	16	QC	1	0.1228	1	1	1	1.0226		2025-09-06T08:56:54
CCB	17	QC	0	0.0003	1	1	1	-0.0022		2025-09-06T08:58:05
L2555938-04N	18	Unknown	?	0.0002	1	1	1	-0.0033		2025-09-06T08:59:09
L2555938-05N	19	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T09:00:16
L2556025-01E	20	Unknown	?	0.0003	1	1	1	-0.0021		2025-09-06T09:01:22
WG2111401-3	21	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T09:02:27
WG2111401-4	22	Unknown	?	0.0030	1	1	1	0.0205		2025-09-06T09:03:33
L2556025-02E	23	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T09:04:39
L2556025-03E	24	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T09:05:46
L2556025-04E	25	Unknown	?	0.0004	1	1	1	-0.0015		2025-09-06T09:06:49
L2556025-05E	26	Unknown	?	0.0003	1	1	1	-0.0019		2025-09-06T09:07:56
L2556025-06E	27	Unknown	?	0.0026	1	1	1	0.0170		2025-09-06T09:09:03
CCV NO3	28	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T09:10:07
CCV NO2	29	QC	1	0.1243	1	1	1	1.0351		2025-09-06T09:11:14
CCB	30	QC	0	0.0000	1	1	1	-0.0045		2025-09-06T09:12:30
L2556025-07E	31	Unknown	?	0.0006	1	1	1	0.0000		2025-09-06T09:13:33
L2554790-01B	32	Unknown	?	0.0006	1	1	1	0.0004		2025-09-06T09:14:41
L2554790-02C	33	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T09:15:46
L2554994-01C	34	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T09:16:51
L2554994-03C	35	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T09:17:57
L2554994-05C	36	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T09:19:05
L2554994-07C	37	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T09:20:08
L2554994-09C	38	Unknown	?	0.0003	1	1	1	-0.0026		2025-09-06T09:21:15
L2555775-01A	39	Unknown	?	0.0008	1	1	1	0.0022		2025-09-06T09:22:21
L2555775-02A	40	Unknown	?	0.0002	1	1	1	-0.0030		2025-09-06T09:23:29
CCV NO3	41	QC	?	0.0001	1	1	1	-0.0039		2025-09-06T09:24:33
CCV NO2	42	QC	1	0.1223	1	1	1	1.0186		2025-09-06T09:25:38
CCB	43	QC	0	0.0000	1	1	1	-0.0045		2025-09-06T09:26:50
L2555777-01A	44	Unknown	?	0.1762	1	1	1	1.4699		2025-09-06T09:27:59
L2555777-02A	45	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T09:29:07

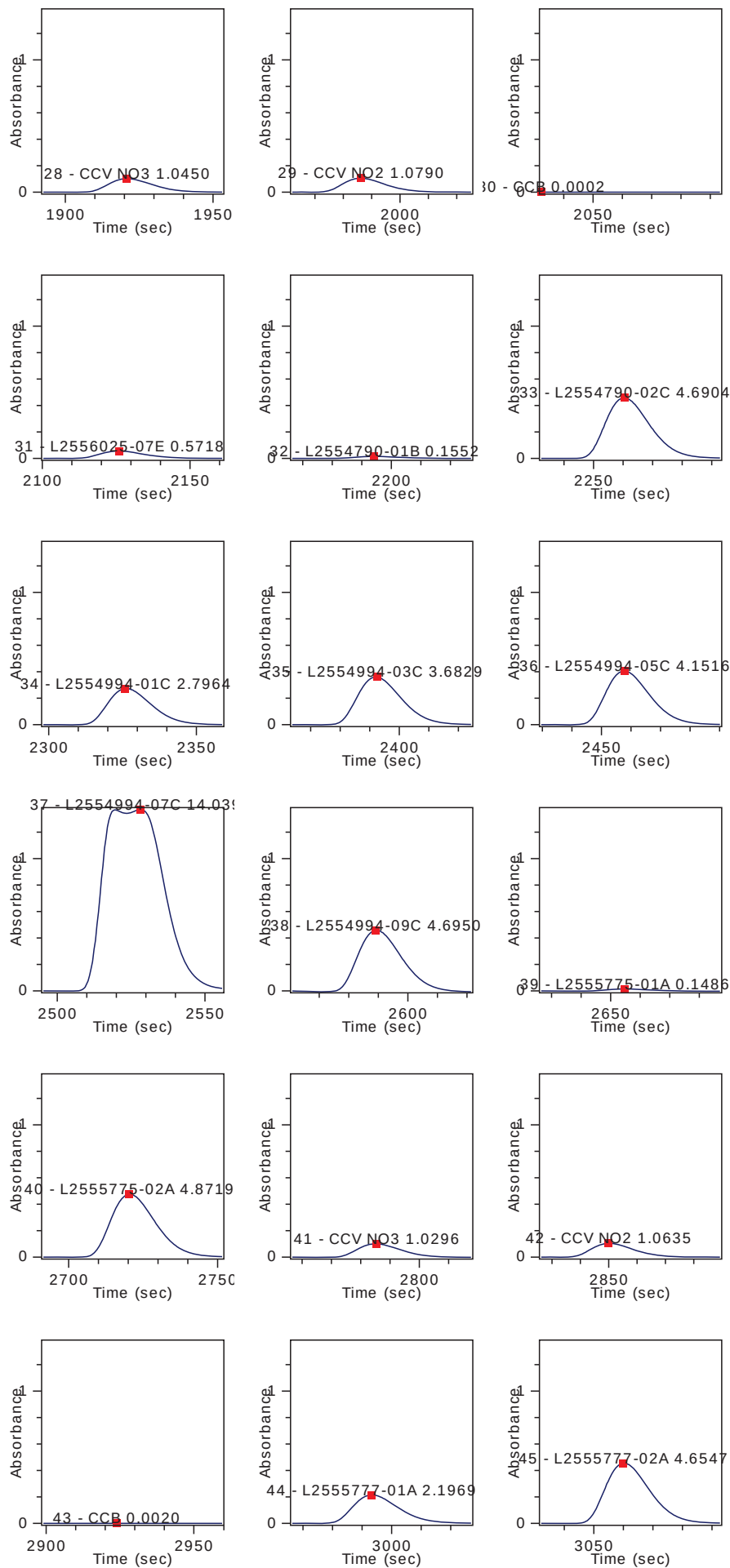
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554994-09C	46	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T09:30:12
CCV NO3	47	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T09:31:16
CCV NO2	48	QC	1	0.1217	1	1	1	1.0135		2025-09-06T09:32:24
CCB	49	QC	0	0.0007	1	1	1	0.0014		2025-09-06T09:33:35
spacer	50	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T09:37:58
spacer	51	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T09:38:55
L2554994-07C	52	Unknown	?	0.0001	1	10	1	-0.0403		2025-09-06T09:40:04
CCV NO3	53	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T09:41:42
CCV NO2	54	QC	1	0.1216	1	1	1	1.0126		2025-09-06T09:42:12
CCB	55	QC	0	0.0007	1	1	1	0.0012		2025-09-06T09:43:24

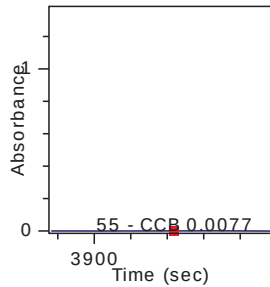
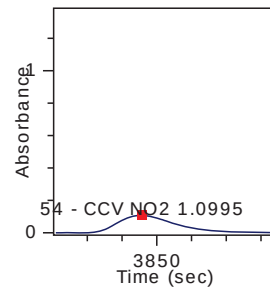
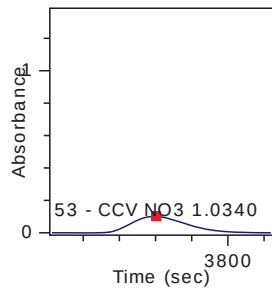
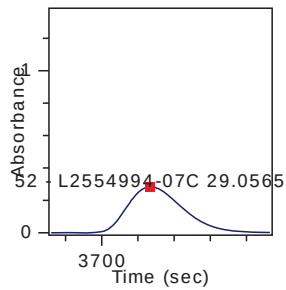
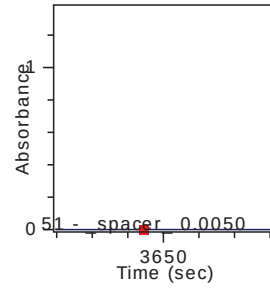
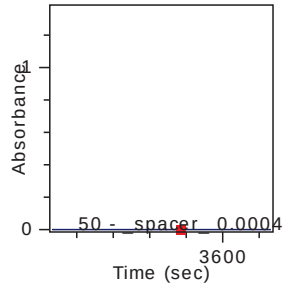
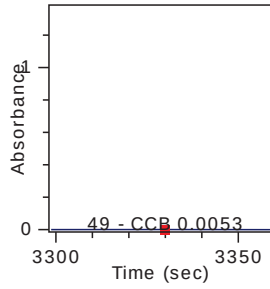
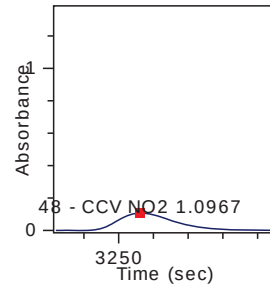
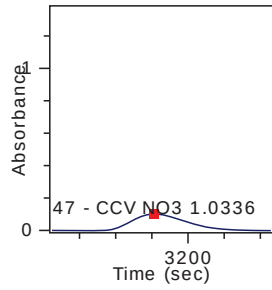
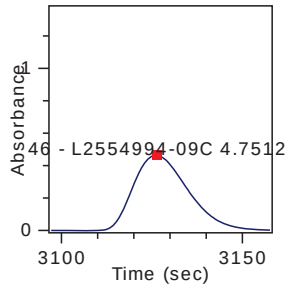
Peaks:

Channel: 1-NOx

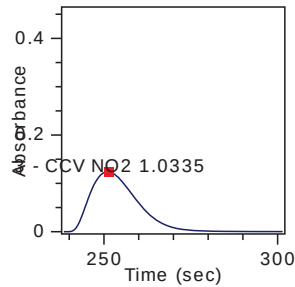
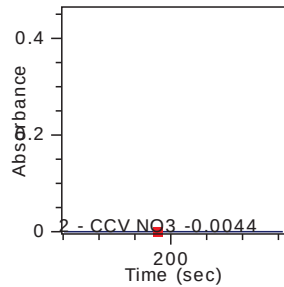
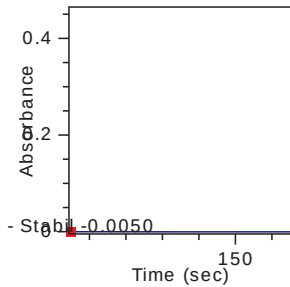


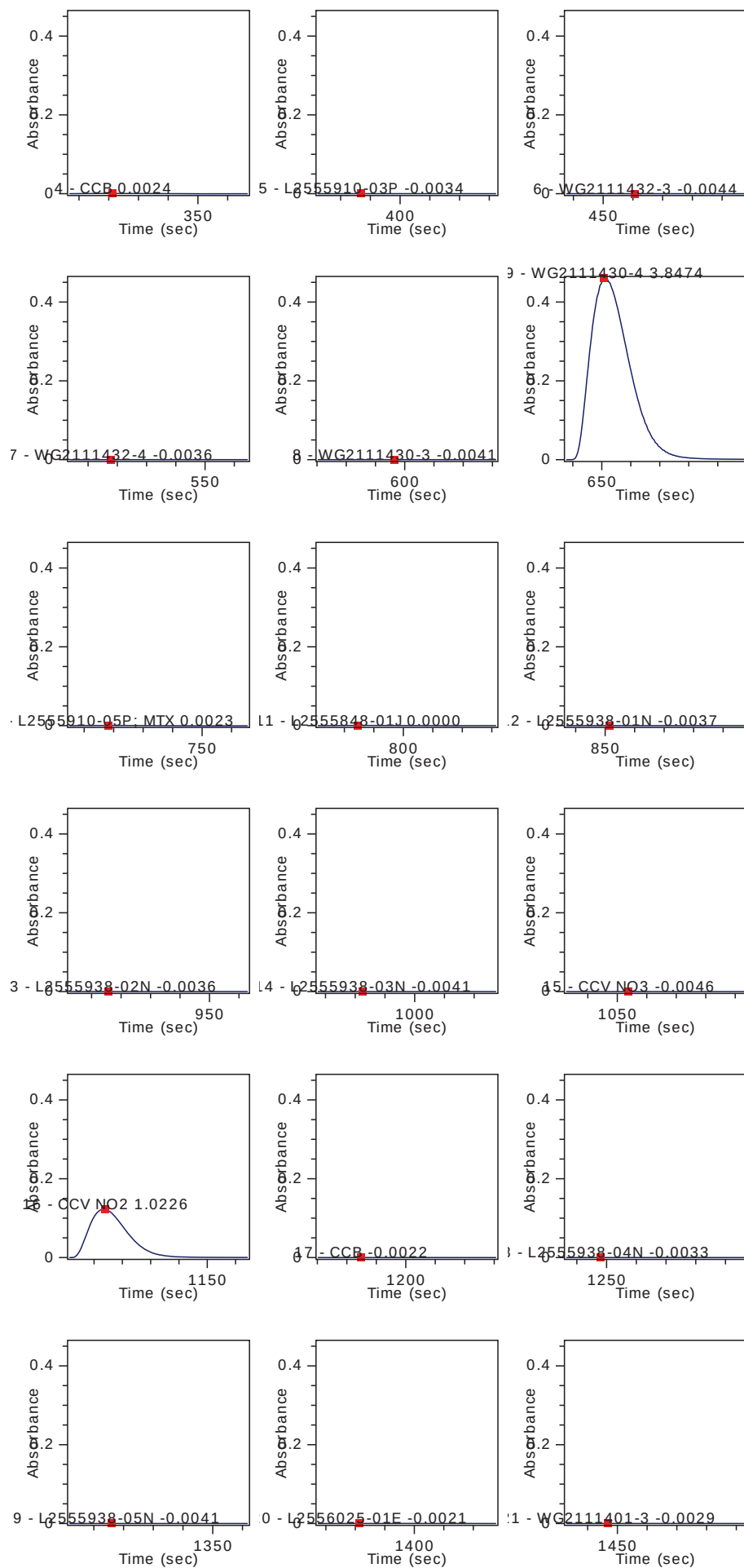


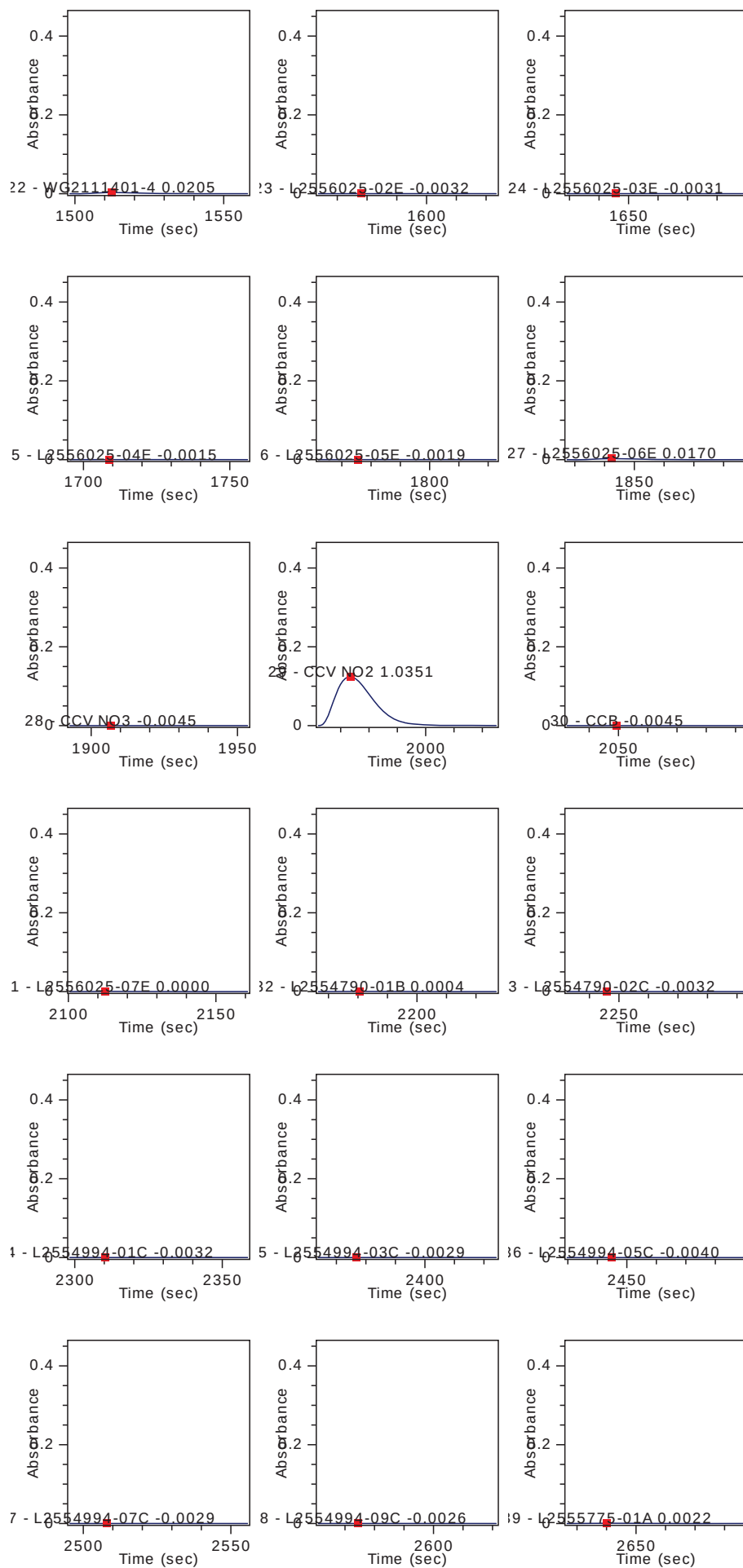


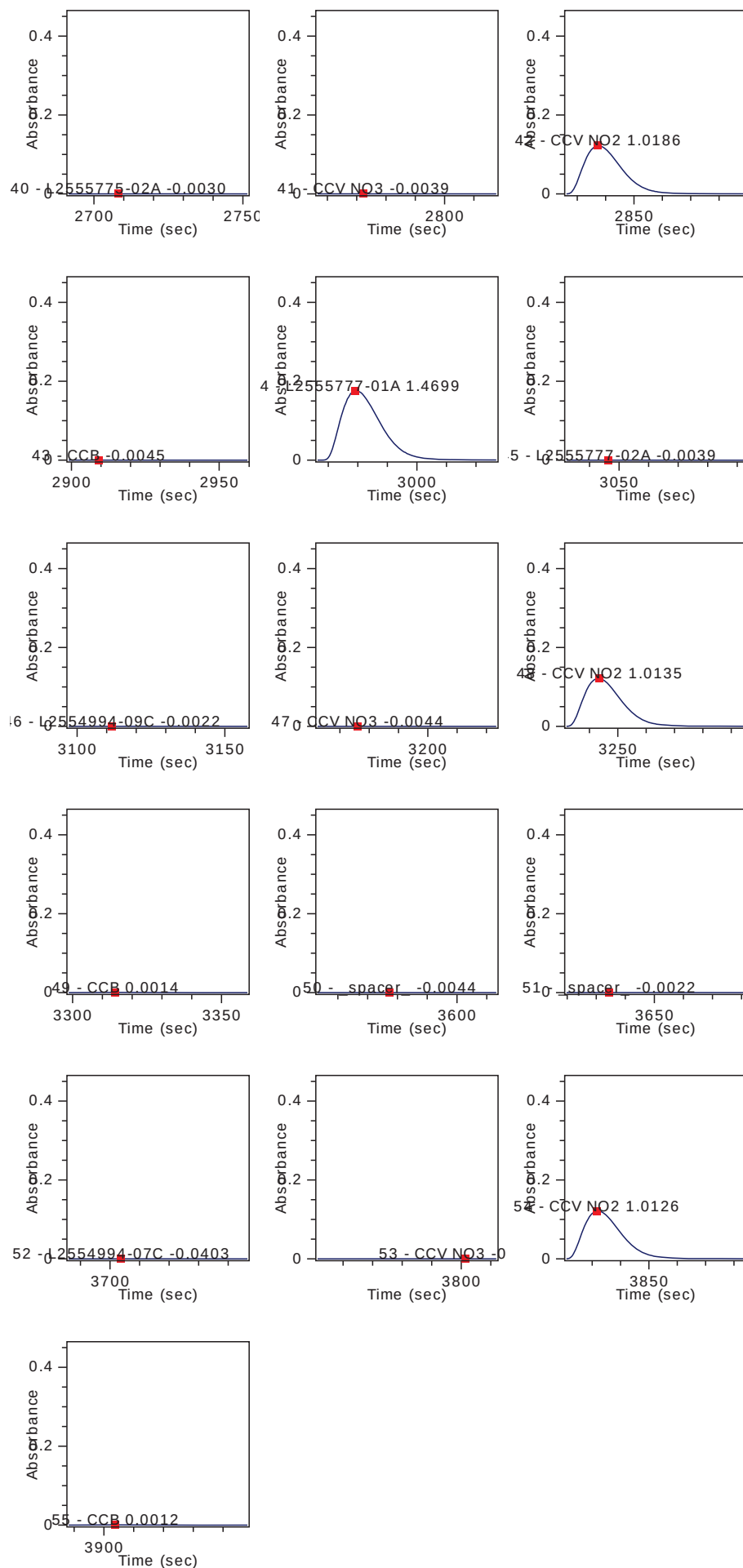


Channel: 2-NO2









Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
|--- Low: 500nm
|--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T08:38:21

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:36:52

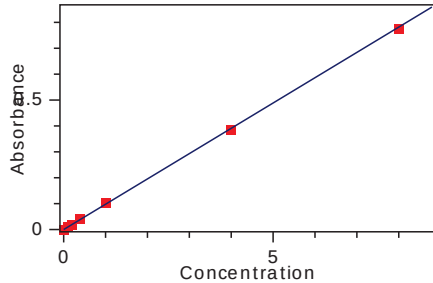
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
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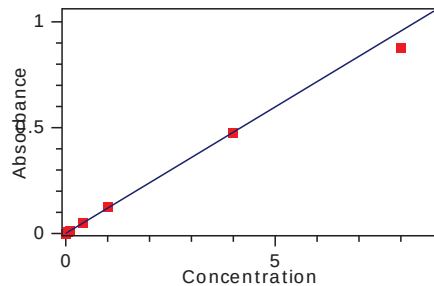
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
2	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	2025-09-06T02:36:37
3	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	2025-09-06T02:37:47
4	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	2025-09-06T02:38:53
5	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	2025-09-06T02:40:01
6	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	2025-09-06T02:41:10
7	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	2025-09-06T02:42:20
8	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	2025-09-06T02:43:35



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
9	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	2025-09-06T02:44:29
10	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	2025-09-06T02:45:38
11	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	2025-09-06T02:46:44
12	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	2025-09-06T02:47:54
13	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	2025-09-06T02:49:03
14	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	2025-09-06T02:50:12
15	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	2025-09-06T02:51:25

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0016		2025-09-06T02:35:24
NOx 8.0ppm	2	Standard	8	0.7727	1	1	1	7.9067		2025-09-06T02:36:37
NOx 4.0ppm	3	Standard	4	0.3851	1	1	1	3.9415		2025-09-06T02:37:47
NOx 1.0ppm	4	Standard	1	0.1029	1	1	1	1.0532		2025-09-06T02:38:53
NOx 0.4ppm	5	Standard	0.4	0.0388	1	1	1	0.3970		2025-09-06T02:40:01
NOx 0.2ppm	6	Standard	0.2	0.0191	1	1	1	0.1958		2025-09-06T02:41:10
NOx 0.1ppm	7	Standard	0.1	0.0098	1	1	1	0.1009		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	0	0.0001	1	1	1	0.0009		2025-09-06T02:43:35
Nitrite 8.0ppm	9	Standard	?	0.7839	1	1	1	8.0215	OVR	2025-09-06T02:44:41
Nitrite 4.0ppm	10	Standard	?	0.4203	1	1	1	4.3015		2025-09-06T02:45:50
Nitrite 1.0ppm	11	Standard	?	0.1108	1	1	1	1.1337		2025-09-06T02:46:57
Nitrite 0.4ppm	12	Standard	?	0.0435	1	1	1	0.4457		2025-09-06T02:48:05
Nitrite 0.1ppm	13	Standard	?	0.0108	1	1	1	0.1111		2025-09-06T02:49:15
Nitrite 0.05ppm	14	Standard	?	0.0053	1	1	1	0.0548		2025-09-06T02:50:24
Nitrite 0.0ppm	15	Standard	?	0.0001	1	1	1	0.0015		2025-09-06T02:51:36
CCV NO3	16	QC	1	0.1042	1	1	1	1.0665		2025-09-06T02:52:41
CCV NO2	17	QC	?	0.1105	1	1	1	1.1307		2025-09-06T02:53:46
CCB	18	QC	0	0.0007	1	1	1	0.0072		2025-09-06T02:55:01
ICV NO3 5.0	19	QC	5	0.4780	1	1	1	4.8918		2025-09-06T02:56:03
ICV NO2 5.0	20	QC	?	0.4943	1	1	1	5.0583		2025-09-06T02:57:12
ICV NO3 0.5	21	QC	0.5	0.0478	1	1	1	0.4897		2025-09-06T02:58:20
ICV NO2 0.5	22	QC	?	0.0503	1	1	1	0.5150		2025-09-06T02:59:29
ICB	23	QC	0	0.0004	1	1	1	0.0042		2025-09-06T03:00:44
Diluter CHK 8PPM	24	Unknown	?	0.1602	1	5	1	8.1992		2025-09-06T03:01:47
BLANK NO3	25	Unknown	?	0.0000	1	1	1	0.0002		2025-09-06T03:02:28
LCS NO3	26	Unknown	?	0.4786	1	1	1	4.8980		2025-09-06T03:04:01
BLANK NO2	27	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:04:40
LCS NO2	28	Unknown	?	0.4978	1	1	1	5.0944		2025-09-06T03:06:13
CCV NO3	29	QC	1	0.1047	1	1	1	1.0720		2025-09-06T03:07:19
CCV NO2	30	QC	?	0.1107	1	1	1	1.1331		2025-09-06T03:08:24
CCB	31	QC	0	0.0008	1	1	1	0.0091		2025-09-06T03:09:42
WG2111361-1	32	Unknown	?	0.0001	1	1	1	0.0015		2025-09-06T03:10:50

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111361-2	33	Unknown	?	0.4962	1	1	1	5.0778		2025-09-06T03:11:49
WG2111362/363-1	34	Unknown	?	0.0004	1	1	1	0.0046		2025-09-06T03:13:01
WG2111362/363-2	35	Unknown	?	0.4980	1	1	1	5.0965		2025-09-06T03:14:00
WG2111364-1	36	Unknown	?	0.0008	1	1	1	0.0084		2025-09-06T03:15:11
WG2111364-2	37	Unknown	?	0.4784	1	1	1	4.8962		2025-09-06T03:16:11
WG2111365/363/368-1	38	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:16:51
WG2111365/365/368-2	39	Unknown	?	0.4809	1	1	1	4.9214		2025-09-06T03:18:24
WG2111367-1	40	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T03:19:04
WG2111367-2	41	Unknown	?	0.4806	1	1	1	4.9186		2025-09-06T03:20:37
CCV NO3	42	QC	1	0.1034	1	1	1	1.0588		2025-09-06T03:21:42
CCV NO2	43	QC	?	0.1110	1	1	1	1.1358		2025-09-06T03:22:48
CCB	44	QC	0	0.0008	1	1	1	0.0084		2025-09-06T03:24:04
WG2111369-1	45	Unknown	?	0.0001	1	1	1	0.0011		2025-09-06T03:25:18
WG2111369-2	46	Unknown	?	0.4799	1	1	1	4.9115		2025-09-06T03:26:15
L2555605-01N	47	Unknown	?	0.1811	1	1	1	1.8537		2025-09-06T03:27:20
L2555605-02N	48	Unknown	?	0.4244	1	1	1	4.3434		2025-09-06T03:28:26
WG2111365/367-3	49	Unknown	?	0.4315	1	1	1	4.4157		2025-09-06T03:29:31
WG2111365/367-4	50	Unknown	?	0.7718	1	1	1	7.8977		2025-09-06T03:30:36
WG2111362-3	51	Unknown	?	0.4289	1	1	1	4.3891		2025-09-06T03:31:41
WG2111362-4	52	Unknown	?	0.7838	1	1	1	8.0211	OVR	2025-09-06T03:32:45
L2zzP605-03N	53	Unknown	?	0.6040	1	1	1	6.1813		2025-09-06T03:33:49
L2555605-04N	54	Unknown	?	0.1376	1	1	1	1.4085		2025-09-06T03:34:53
CCV NO3	55	QC	1	0.1043	1	1	1	1.0678		2025-09-06T03:35:57
CCV NO2	56	QC	?	0.1087	1	1	1	1.1124		2025-09-06T03:37:03
CCB	57	QC	0	0.0000	1	1	1	0.0005		2025-09-06T03:38:15
L2555605-05N	58	Unknown	?	0.3941	1	1	1	4.0333		2025-09-06T03:39:20
L2555605-06N	59	Unknown	?	0.3762	1	1	1	3.8504		2025-09-06T03:40:27
L2555605-07N	60	Unknown	?	0.3048	1	1	1	3.1191		2025-09-06T03:41:33
L2555605-08N	61	Unknown	?	0.2131	1	1	1	2.1808		2025-09-06T03:42:39
L2555382-01A	62	Unknown	?	0.0296	1	1	1	0.3034		2025-09-06T03:43:45
L2555382-02A	63	Unknown	?	0.0302	1	1	1	0.3089		2025-09-06T03:44:51
L2555382-03A	64	Unknown	?	0.0312	1	1	1	0.3196		2025-09-06T03:45:56
L2555382-04A	65	Unknown	?	0.0313	1	1	1	0.3206		2025-09-06T03:47:02

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555459-01S	66	Unknown	?	0.0000	1	1	1	0.0003		2025-09-06T03:48:10
L2555956-01F	67	Unknown	?	0.0028	1	1	1	0.0289		2025-09-06T03:49:12
CCV NO3	68	QC	1	0.1048	1	1	1	1.0727		2025-09-06T03:50:17
CCV NO2	69	QC	?	0.1086	1	1	1	1.1118		2025-09-06T03:51:22
CCB	70	QC	0	0.0001	1	1	1	0.0010		2025-09-06T03:52:33
WG2111364-3	71	Unknown	?	0.0012	1	1	1	0.0124		2025-09-06T03:53:40
WG2111364-4	72	Unknown	?	0.4267	1	1	1	4.3664		2025-09-06T03:54:46
WG2111361-3	73	Unknown	?	-0.0001	1	1	1	-0.0012		2025-09-06T03:55:22
WG2111361-4	74	Unknown	?	0.4276	1	1	1	4.3755		2025-09-06T03:56:55
L2555956-02F	75	Unknown	?	0.0011	1	1	1	0.0121		2025-09-06T03:57:59
L2555956-03F	76	Unknown	?	0.0020	1	1	1	0.0209		2025-09-06T03:59:04
L2555956-04F	77	Unknown	?	0.0028	1	1	1	0.0287		2025-09-06T04:00:11
L2555622-01A	78	Unknown	?	0.0294	1	1	1	0.3014		2025-09-06T04:01:17
WG2111366/368-3	79	Unknown	?	0.0290	1	1	1	0.2972		2025-09-06T04:02:24
WG2111366/368-4	80	Unknown	?	0.4710	1	1	1	4.8202		2025-09-06T04:03:29
CCV NO3	81	QC	1	0.1028	1	1	1	1.0521		2025-09-06T04:04:35
CCV NO2	82	QC	?	0.1070	1	1	1	1.0956		2025-09-06T04:05:40
CCB	83	QC	0	0.0000	1	1	1	0.0005		2025-09-06T04:06:52
WG2111363-3	84	Unknown	?	0.0290	1	1	1	0.2967		2025-09-06T04:08:00
WG2111363-4	85	Unknown	?	0.4910	1	1	1	5.0245		2025-09-06T04:09:08
L2555671-01C	86	Unknown	?	0.0158	1	1	1	0.1619		2025-09-06T04:10:12
WG2111369-3	87	Unknown	?	0.0154	1	1	1	0.1580		2025-09-06T04:11:18
WG2111369-4	88	Unknown	?	0.4023	1	1	1	4.1166		2025-09-06T04:12:23
L2555671-02C	89	Unknown	?	0.0157	1	1	1	0.1610		2025-09-06T04:13:27
L2555671-03C	90	Unknown	?	0.0202	1	1	1	0.2069		2025-09-06T04:14:32
L2555671-04C	91	Unknown	?	0.0196	1	1	1	0.2010		2025-09-06T04:15:36
L2555260-01C	92	Unknown	?	0.0054	1	1	1	0.0560		2025-09-06T04:16:40
L2555260-03C	93	Unknown	?	0.0192	1	1	1	0.1965		2025-09-06T04:17:44
CCV NO3	94	QC	1	0.1043	1	1	1	1.0676		2025-09-06T04:18:49
CCV NO2	95	QC	?	0.1073	1	1	1	1.0988		2025-09-06T04:19:53
CCB	96	QC	0	0.0001	1	1	1	0.0011		2025-09-06T04:21:06
L2555260-05C	97	Unknown	?	0.3199	1	1	1	3.2737		2025-09-06T04:22:15
WG2111367-5	98	Unknown	?	0.3193	1	1	1	3.2676		2025-09-06T04:23:23

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111367-6	99	Unknown	?	0.6875	1	1	1	7.0356		2025-09-06T04:24:29
L2554370-01L	100	Unknown	?	0.0141	1	1	1	0.1448		2025-09-06T04:25:35
L2554370-02L	101	Unknown	?	0.0066	1	1	1	0.0684		2025-09-06T04:26:42
L2554370-03L	102	Unknown	?	0.0041	1	1	1	0.0420		2025-09-06T04:27:47
L2554370-04L	103	Unknown	?	0.0037	1	1	1	0.0387		2025-09-06T04:28:53
L2554370-05L	104	Unknown	?	0.0507	1	1	1	0.5194		2025-09-06T04:29:58
L2554370-06L	105	Unknown	?	0.0064	1	1	1	0.0656		2025-09-06T04:31:04
L2554370-07L	106	Unknown	?	0.0620	1	1	1	0.6352		2025-09-06T04:32:08
CCV NO3	107	QC	1	0.1039	1	1	1	1.0630		2025-09-06T04:33:12
CCV NO2	108	QC	?	0.1091	1	1	1	1.1170		2025-09-06T04:34:18
CCB	109	QC	0	0.0001	1	1	1	0.0013		2025-09-06T04:35:31
L2554370-08L	110	Unknown	?	0.1470	1	1	1	1.5044		2025-09-06T04:36:34
L2554370-09L	111	Unknown	?	0.0040	1	1	1	0.0411		2025-09-06T04:37:38
L2554370-10L	112	Unknown	?	0.0258	1	1	1	0.2644		2025-09-06T04:38:44
L2554370-11L	113	Unknown	?	0.5415	1	1	1	5.5415		2025-09-06T04:39:48
L2554370-12L	114	Unknown	?	0.0615	1	1	1	0.6300		2025-09-06T04:40:52
L2554785-01A	115	Unknown	?	0.2051	1	1	1	2.0992		2025-09-06T04:41:58
L2554788-02C	116	Unknown	?	0.2074	1	1	1	2.1222		2025-09-06T04:43:04
L2555529-01K	117	Unknown	?	0.0069	1	1	1	0.0708		2025-09-06T04:44:11
L2555569-01E	118	Unknown	?	0.0261	1	1	1	0.2673		2025-09-06T04:45:18
L2555092-01A	119	Unknown	?	0.1806	1	1	1	1.8486		2025-09-06T04:46:23
CCV NO3	120	QC	1	0.1052	1	1	1	1.0769		2025-09-06T04:47:29
CCV NO2	121	QC	?	0.1123	1	1	1	1.1494		2025-09-06T04:48:34
CCB	122	QC	0	0.0011	1	1	1	0.0118		2025-09-06T04:49:51
L2555902-02H	123	Unknown	?	0.0064	1	1	1	0.0660		2025-09-06T04:50:54
L2555951-01D	124	Unknown	?	0.0045	1	1	1	0.0459		2025-09-06T04:52:01
L2555605-03N	125	Unknown	?	0.6090	1	1	1	6.2317		2025-09-06T04:53:06
CCV NO3	126	QC	1	0.1030	1	1	1	1.0547		2025-09-06T04:54:10
CCV NO2	127	QC	?	0.1081	1	1	1	1.1061		2025-09-06T04:55:15
CCB	128	QC	0	0.0000	1	1	1	0.0002		2025-09-06T04:55:59
Unknown1	129	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T05:05:08
spacer	130	Unknown	?	0.0007	1	1	1	0.0076		2025-09-06T05:06:43
spacer	131	Unknown	?	0.0002	1	1	1	0.0028		2025-09-06T05:07:47

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111362-4	132	Unknown	?	0.0017	1	10	1	0.1768		2025-09-06T05:08:47
WG2111365/367-4	133	Unknown	?	0.0012	1	5	1	0.0623		2025-09-06T05:09:55
CCV NO3	134	QC	1	0.1033	1	1	1	1.0572		2025-09-06T05:11:05
CCV NO2	135	QC	?	0.1108	1	1	1	1.1342		2025-09-06T05:12:11
CCB	136	QC	0	0.0006	1	1	1	0.0069		2025-09-06T05:13:27

Channel: 2-NO2

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T02:35:20
NOx 8.0ppm	2	Standard	?	0.0001	1	1	1	-0.0036		2025-09-06T02:36:59
NOx 4.0ppm	3	Standard	?	0.0001	1	1	1	-0.0041		2025-09-06T02:37:34
NOx 1.0ppm	4	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:38:54
NOx 0.4ppm	5	Standard	?	0.0001	1	1	1	-0.0043		2025-09-06T02:39:54
NOx 0.2ppm	6	Standard	?	0.0001	1	1	1	-0.0044		2025-09-06T02:41:31
NOx 0.1ppm	7	Standard	?	0.0001	1	1	1	-0.0042		2025-09-06T02:42:20
NOx 0.0ppm	8	Standard	?	0.0000	1	1	1	-0.0044		2025-09-06T02:43:22
Nitrite 8.0ppm	9	Standard	8	0.8762	1	1	1	7.3279		2025-09-06T02:44:29
Nitrite 4.0ppm	10	Standard	4	0.4744	1	1	1	3.9657		2025-09-06T02:45:38
Nitrite 1.0ppm	11	Standard	1	0.1269	1	1	1	1.0571		2025-09-06T02:46:44
Nitrite 0.4ppm	12	Standard	0.4	0.0510	1	1	1	0.4222		2025-09-06T02:47:54
Nitrite 0.1ppm	13	Standard	0.1	0.0130	1	1	1	0.1041		2025-09-06T02:49:03
Nitrite 0.05ppm	14	Standard	0.05	0.0064	1	1	1	0.0486		2025-09-06T02:50:12
Nitrite 0.0ppm	15	Standard	0	0.0000	1	1	1	-0.0046		2025-09-06T02:51:25
CCV NO3	16	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T02:52:39
CCV NO2	17	QC	1	0.1268	1	1	1	1.0566		2025-09-06T02:53:33
CCB	18	QC	0	0.0004	1	1	1	-0.0017		2025-09-06T02:54:44
ICV NO3 5.0	19	QC	?	0.0001	1	1	1	-0.0042		2025-09-06T02:55:50
ICV NO2 5.0	20	QC	5	0.5629	1	1	1	4.7060		2025-09-06T02:57:01
ICV NO3 0.5	21	QC	?	0.0012	1	1	1	0.0055		2025-09-06T02:58:08
ICV NO2 0.5	22	QC	0.5	0.0590	1	1	1	0.4893		2025-09-06T02:59:17
ICB	23	QC	0	0.0002	1	1	1	-0.0034		2025-09-06T03:00:26
Diluter CHK 8PPM	24	Unknown	?	0.0001	1	5	1	-0.0196		2025-09-06T03:01:35
BLANK NO3	25	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:03:00
LCS NO3	26	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T03:03:48
BLANK NO2	27	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:05:18
LCS NO2	28	Unknown	?	0.5650	1	1	1	4.7233		2025-09-06T03:06:00
CCV NO3	29	QC	?	0.0015	1	1	1	0.0079		2025-09-06T03:07:06
CCV NO2	30	QC	1	0.1261	1	1	1	1.0505		2025-09-06T03:08:11
CCB	31	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:09:22
WG2111361-1	32	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:10:30
WG2111361-2	33	Unknown	?	0.5668	1	1	1	4.7382		2025-09-06T03:11:36
WG2111362/363-1	34	Unknown	?	0.0013	1	1	1	0.0057		2025-09-06T03:12:42
WG2111362/363-2	35	Unknown	?	0.5688	1	1	1	4.7555		2025-09-06T03:13:46
WG2111364-1	36	Unknown	?	0.0014	1	1	1	0.0073		2025-09-06T03:14:51
WG2111364-2	37	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:15:58
WG2111365/363/368-1	38	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T03:17:07
WG2111365/365/368-2	39	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:18:11
WG2111367-1	40	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:19:47
WG2111367-2	41	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:21:01
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T03:21:33
CCV NO2	43	QC	1	0.1268	1	1	1	1.0563		2025-09-06T03:22:35
CCB	44	QC	0	0.0005	1	1	1	-0.0004		2025-09-06T03:23:47
WG2111369-1	45	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:24:53
WG2111369-2	46	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:25:59
L2555605-01N	47	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:27:07
L2555605-02N	48	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T03:28:13
WG2111365/367-3	49	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T03:29:20
WG2111365/367-4	50	Unknown	?	0.0022	1	1	1	0.0133		2025-09-06T03:30:23
WG2111362-3	51	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:31:27
WG2111362-4	52	Unknown	?	0.4568	1	1	1	3.8181		2025-09-06T03:32:32
L2zzP605-03N	53	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:33:34
L2555605-04N	54	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:34:39
CCV NO3	55	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T03:35:44
CCV NO2	56	QC	1	0.1274	1	1	1	1.0614		2025-09-06T03:36:50
CCB	57	QC	0	0.0001	1	1	1	-0.0039		2025-09-06T03:37:59
L2555605-05N	58	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T03:39:19

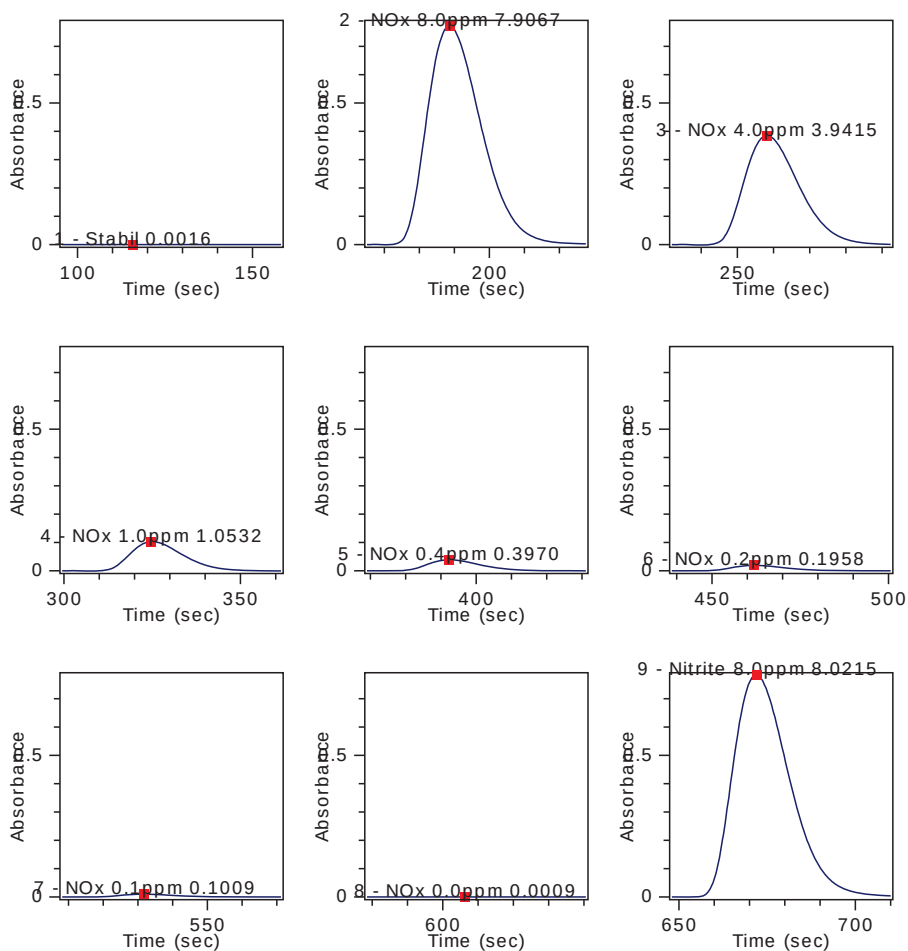
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L2555605-07N	60	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T03:41:20
L2555605-08N	61	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T03:42:29
L2555382-01A	62	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:43:33
L2555382-02A	63	Unknown	?	0.0021	1	1	1	0.0126		2025-09-06T03:44:38
L2555382-03A	64	Unknown	?	0.0022	1	1	1	0.0136		2025-09-06T03:45:44
L2555382-04A	65	Unknown	?	0.0022	1	1	1	0.0134		2025-09-06T03:46:49
L2555459-01S	66	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T03:48:11
L2555956-01F	67	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:48:59
CCV NO3	68	QC	?	0.0003	1	1	1	-0.0021		2025-09-06T03:50:44
CCV NO2	69	QC	1	0.1276	1	1	1	1.0628		2025-09-06T03:51:10
CCB	70	QC	0	0.0001	1	1	1	-0.0037		2025-09-06T03:52:19
WG2111364-3	71	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T03:53:24
WG2111364-4	72	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T03:54:29
WG2111361-3	73	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:55:36
WG2111361-4	74	Unknown	?	0.5039	1	1	1	4.2121		2025-09-06T03:56:41
L2555956-02F	75	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T03:57:43
L2555956-03F	76	Unknown	?	0.0001	1	1	1	-0.0043		2025-09-06T03:58:50
L2555956-04F	77	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T03:59:58
L2555622-01A	78	Unknown	?	0.0088	1	1	1	0.0684		2025-09-06T04:01:05
WG2111366/368-3	79	Unknown	?	0.0088	1	1	1	0.0687		2025-09-06T04:02:11
WG2111366/368-4	80	Unknown	?	0.0086	1	1	1	0.0675		2025-09-06T04:03:17
CCV NO3	81	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T04:04:21
CCV NO2	82	QC	1	0.1286	1	1	1	1.0712		2025-09-06T04:05:27
CCB	83	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:06:37
WG2111363-3	84	Unknown	?	0.0088	1	1	1	0.0686		2025-09-06T04:07:47
WG2111363-4	85	Unknown	?	0.5440	1	1	1	4.5480		2025-09-06T04:08:54
L2555671-01C	86	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:09:59
WG2111369-3	87	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:11:04
WG2111369-4	88	Unknown	?	0.0028	1	1	1	0.0185		2025-09-06T04:12:10
L2555671-02C	89	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:13:15
L2555671-03C	90	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:14:17
L2555671-04C	91	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:15:24

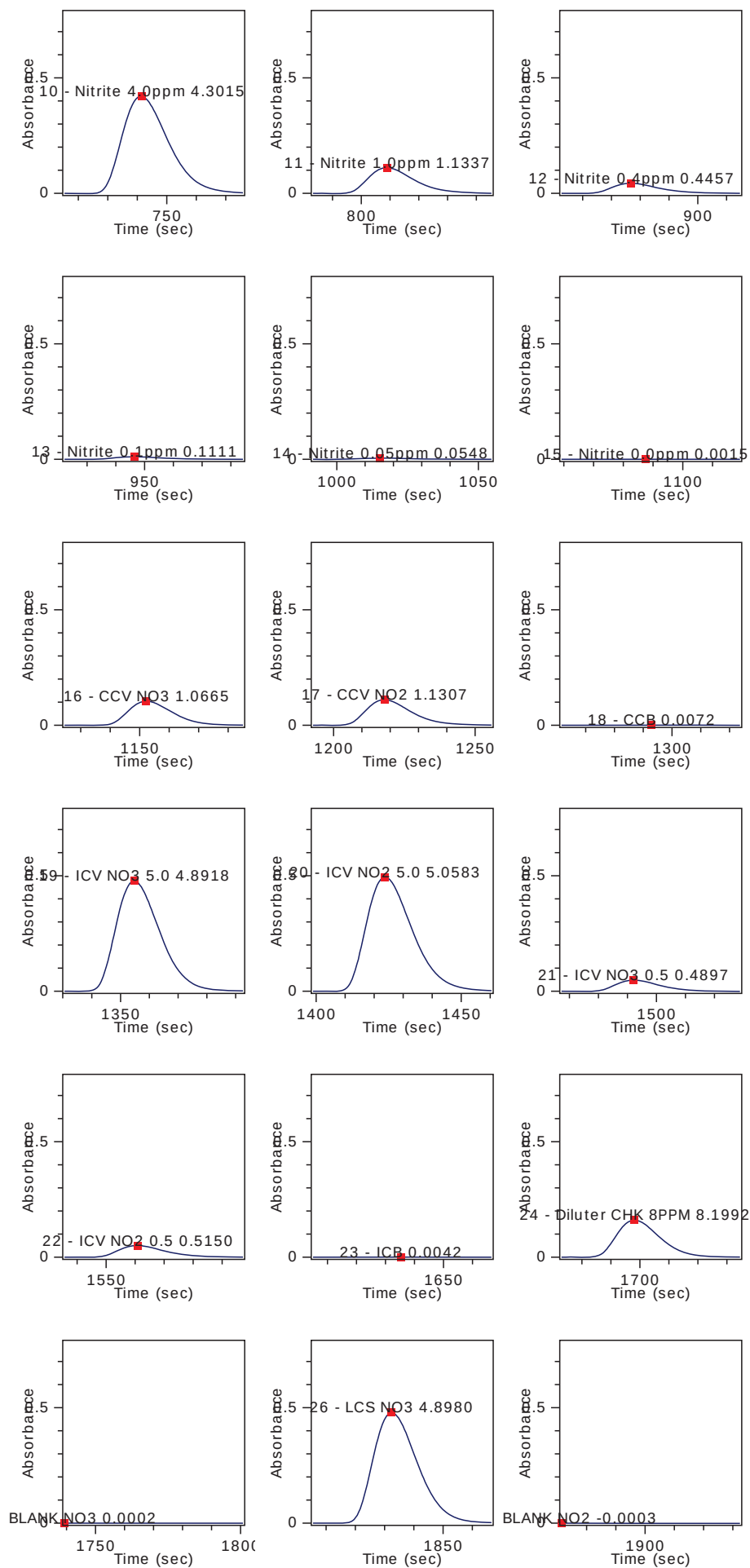
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L2555260-03C	93	Unknown	?	0.0003	1	1	1	-0.0026		2025-09-06T04:17:30
CCV NO3	94	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T04:18:38
CCV NO2	95	QC	1	0.1278	1	1	1	1.0648		2025-09-06T04:19:40
CCB	96	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:20:53
L2555260-05C	97	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T04:22:01
WG2111367-5	98	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:23:08
WG2111367-6	99	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:24:16
L2554370-01L	100	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T04:25:23
L2554370-02L	101	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T04:26:28
L2554370-03L	102	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T04:27:34
L2554370-04L	103	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:28:40
L2554370-05L	104	Unknown	?	0.0001	1	1	1	-0.0038		2025-09-06T04:29:43
L2554370-06L	105	Unknown	?	0.0001	1	1	1	-0.0035		2025-09-06T04:30:49
L2554370-07L	106	Unknown	?	0.0003	1	1	1	-0.0021		2025-09-06T04:31:55
CCV NO3	107	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:33:05
CCV NO2	108	QC	1	0.1280	1	1	1	1.0664		2025-09-06T04:34:05
CCB	109	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:35:13
L2554370-08L	110	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:36:20
L2554370-09L	111	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T04:37:25
L2554370-10L	112	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T04:38:29
L2554370-11L	113	Unknown	?	0.0002	1	1	1	-0.0035		2025-09-06T04:39:33
L2554370-12L	114	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T04:40:34
L2554785-01A	115	Unknown	?	0.0003	1	1	1	-0.0019		2025-09-06T04:41:45
L2554788-02C	116	Unknown	?	0.0007	1	1	1	0.0012		2025-09-06T04:42:52
L2555529-01K	117	Unknown	?	0.0006	1	1	1	0.0004		2025-09-06T04:43:57
L2555569-01E	118	Unknown	?	0.0003	1	1	1	-0.0025		2025-09-06T04:45:04
L2555092-01A	119	Unknown	?	0.0017	1	1	1	0.0092		2025-09-06T04:46:11
CCV NO3	120	QC	?	0.0001	1	1	1	-0.0041		2025-09-06T04:47:17
CCV NO2	121	QC	1	0.1287	1	1	1	1.0720		2025-09-06T04:48:21
CCB	122	QC	0	0.0007	1	1	1	0.0012		2025-09-06T04:49:32
L2555902-02H	123	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T04:50:40
L2555951-01D	124	Unknown	?	0.0004	1	1	1	-0.0015		2025-09-06T04:51:49

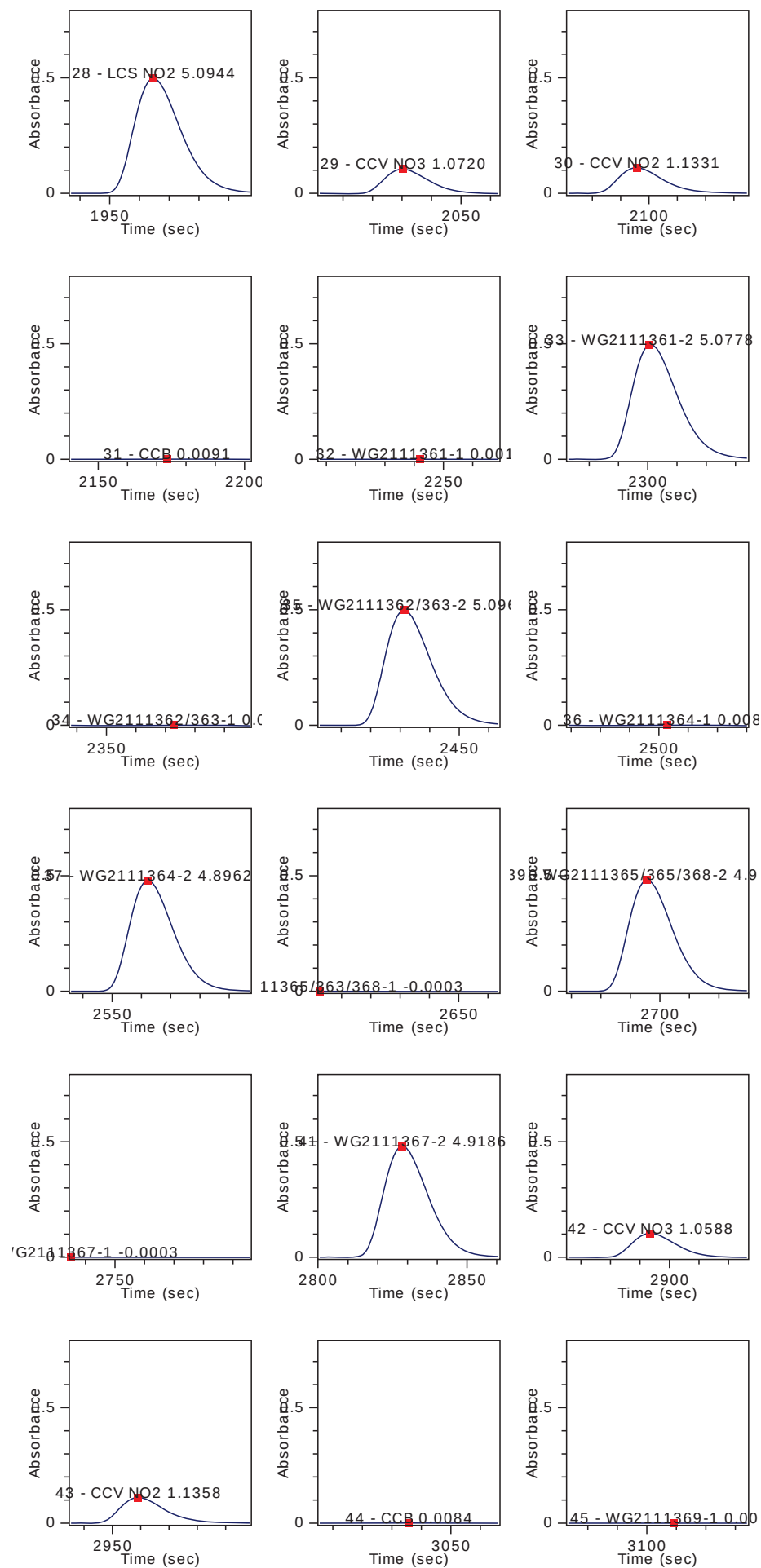
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CCV NO3	126	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T04:53:59
CCV NO2	127	QC	1	0.1292	1	1	1	1.0766		2025-09-06T04:55:03
CCB	128	QC	0	0.0000	1	1	1	-0.0044		2025-09-06T04:56:16
Unknown1	129	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T05:06:03
spacer	130	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:06:29
spacer	131	Unknown	?	0.0004	1	1	1	-0.0018		2025-09-06T05:07:34
WG2111362-4	132	Unknown	?	0.0016	1	10	1	0.0863		2025-09-06T05:08:43
WG2111365/367-4	133	Unknown	?	0.0019	1	5	1	0.0544		2025-09-06T05:09:51
CCV NO3	134	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T05:10:46
CCV NO2	135	QC	1	0.1283	1	1	1	1.0687		2025-09-06T05:11:59
CCB	136	QC	0	0.0008	1	1	1	0.0016		2025-09-06T05:13:09

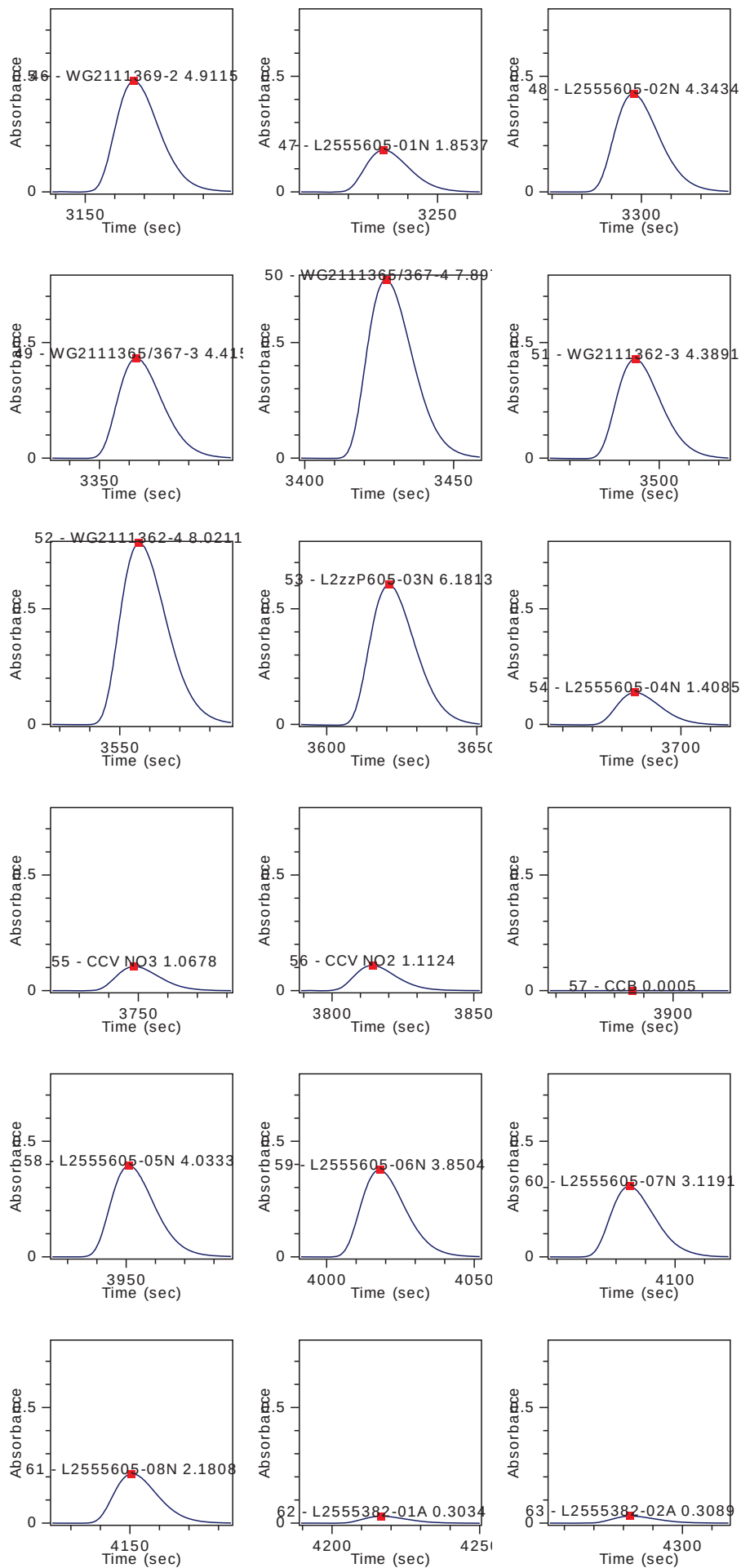
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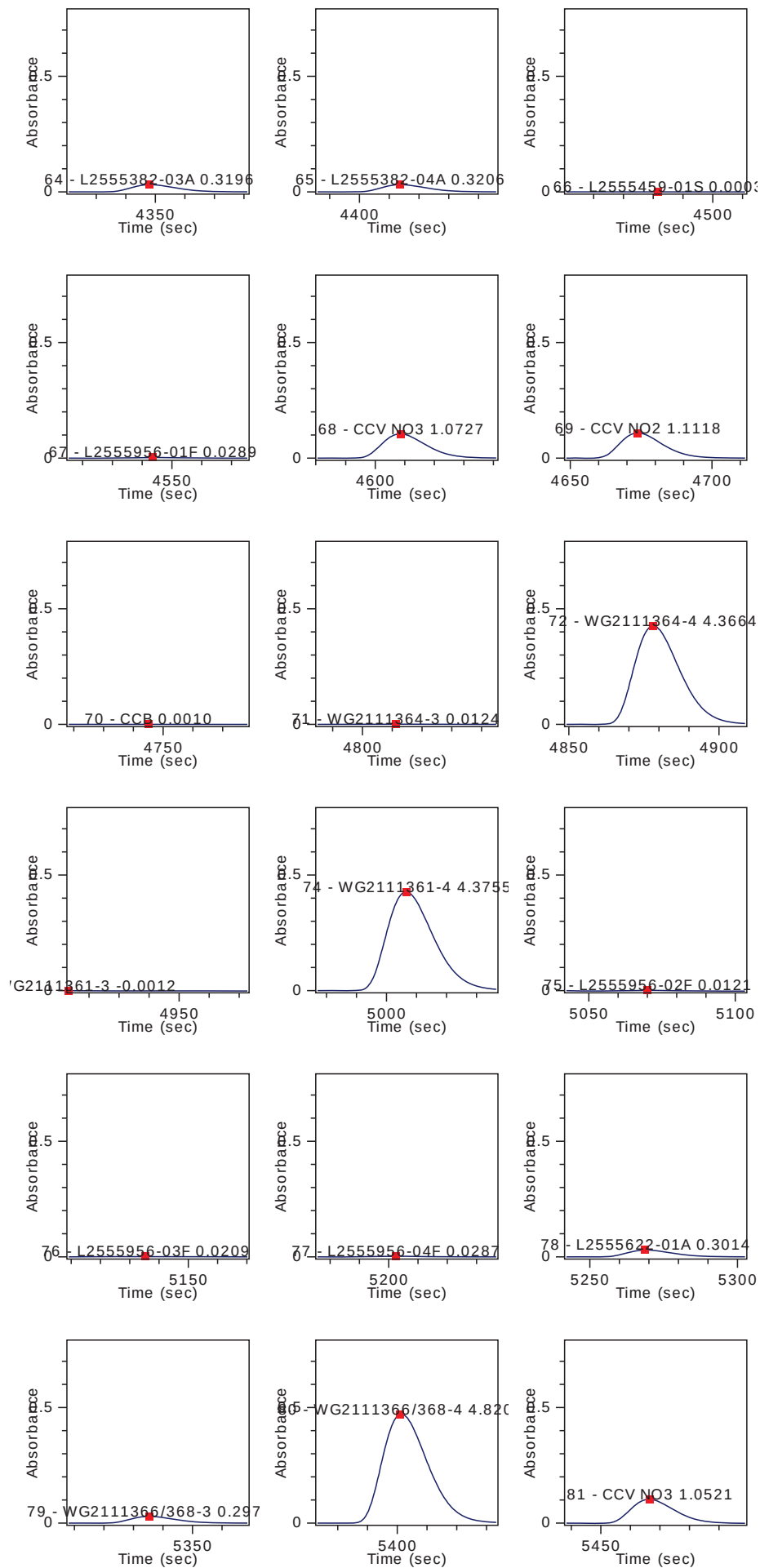
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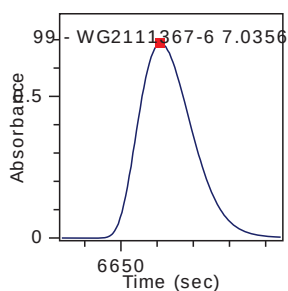
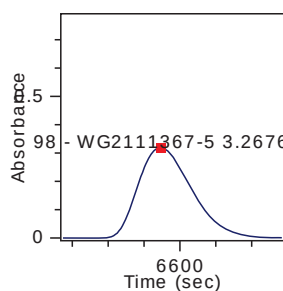
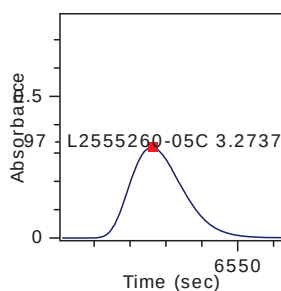
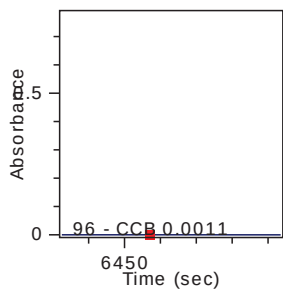
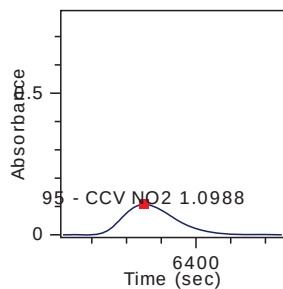
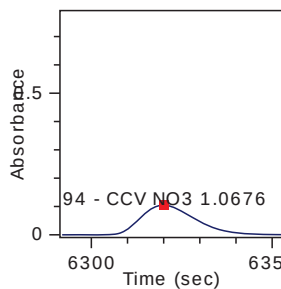
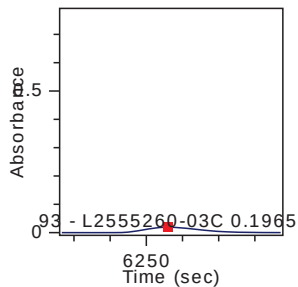
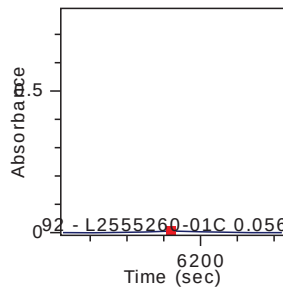
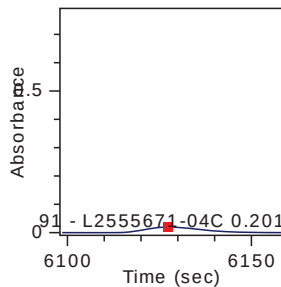
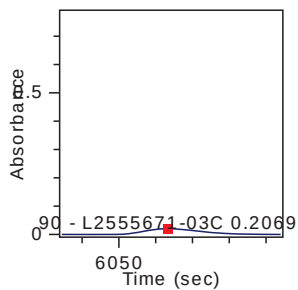
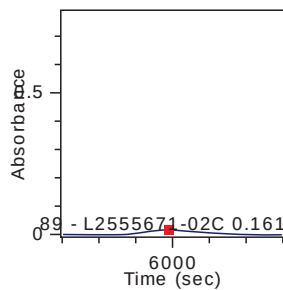
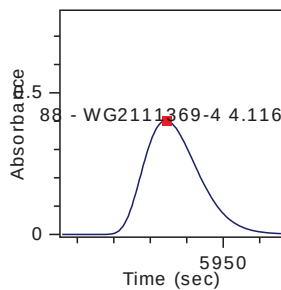
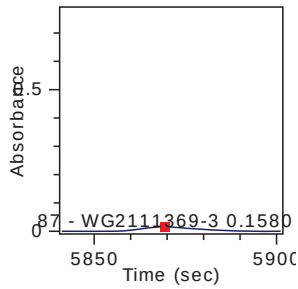
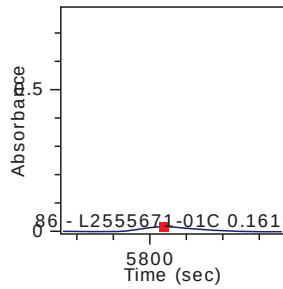
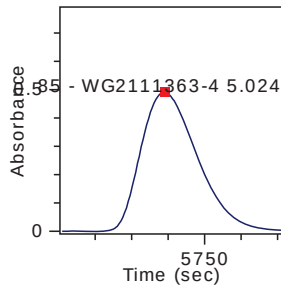
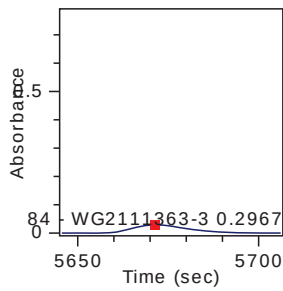
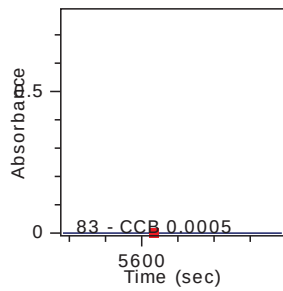
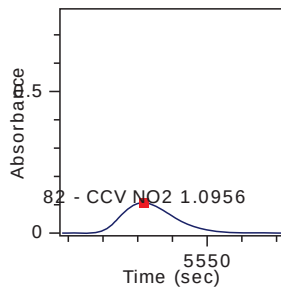


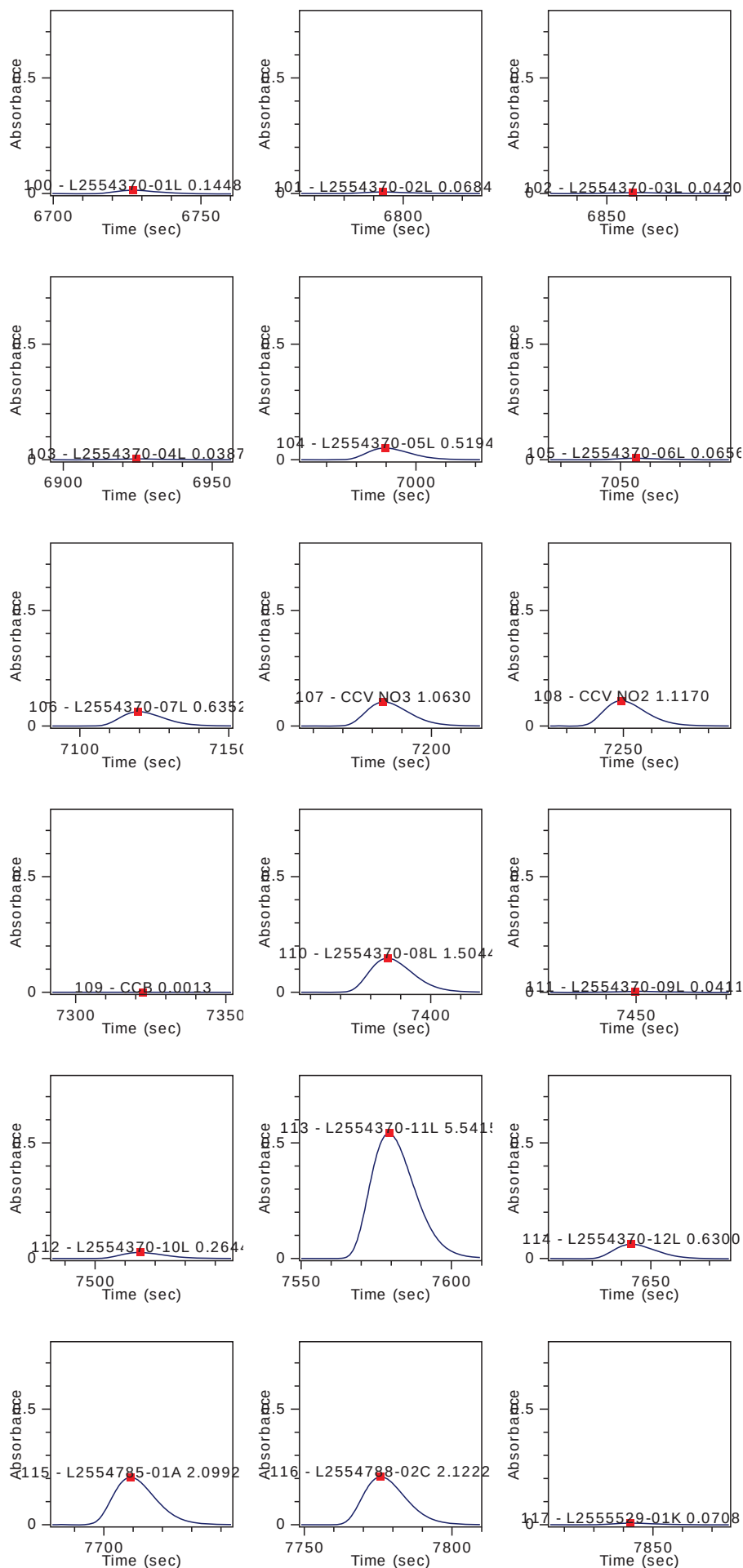


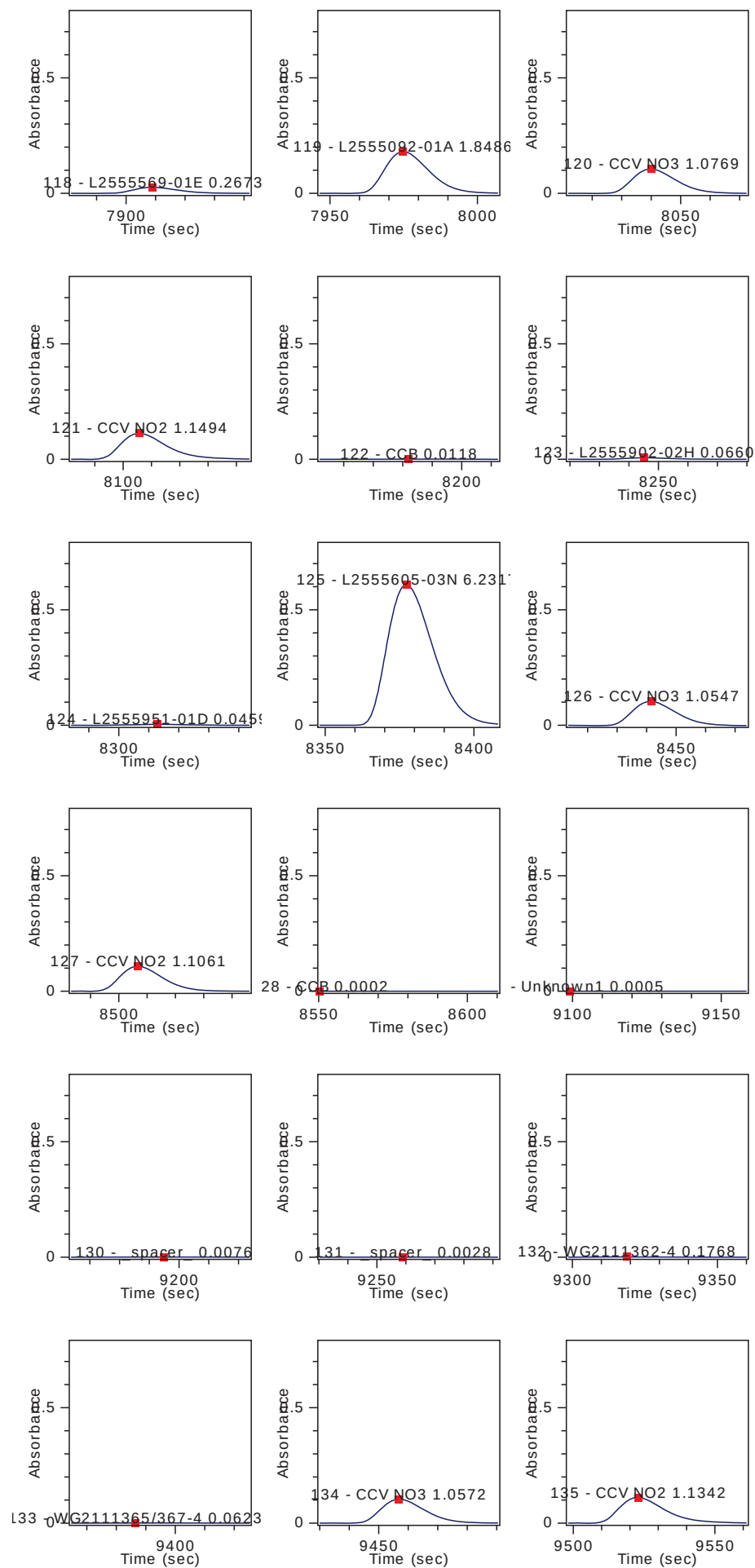


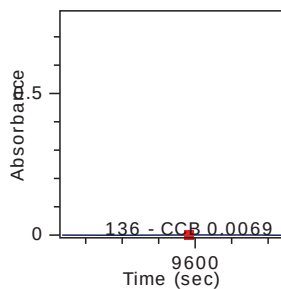




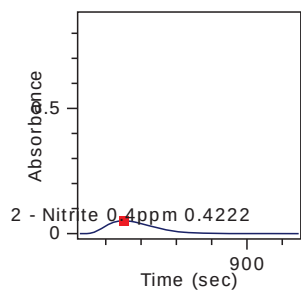
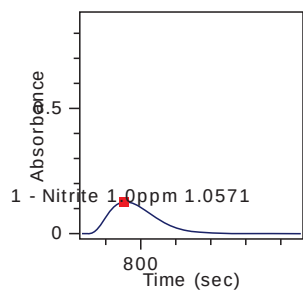
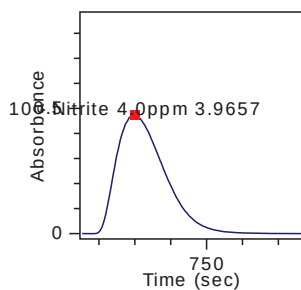
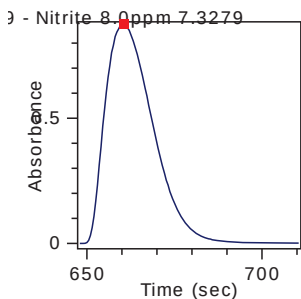
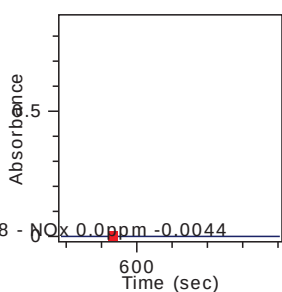
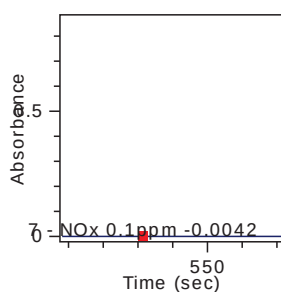
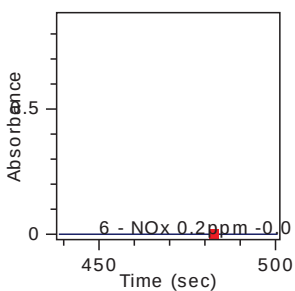
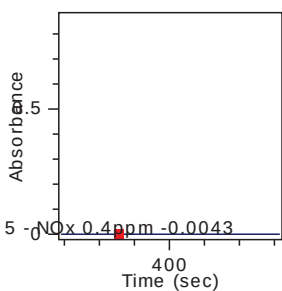
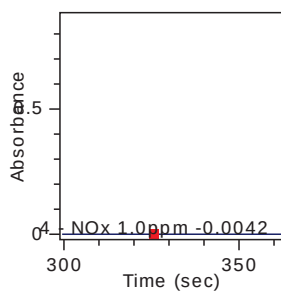
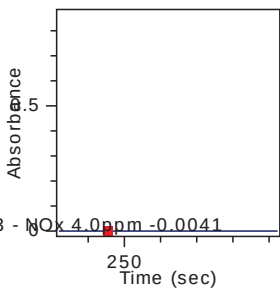
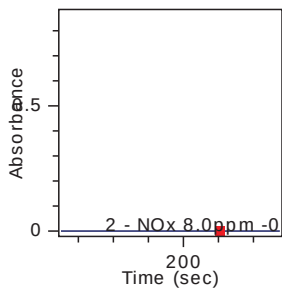
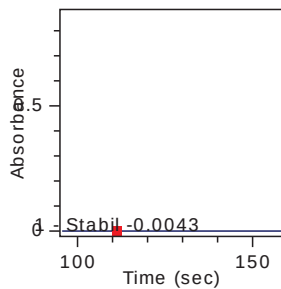


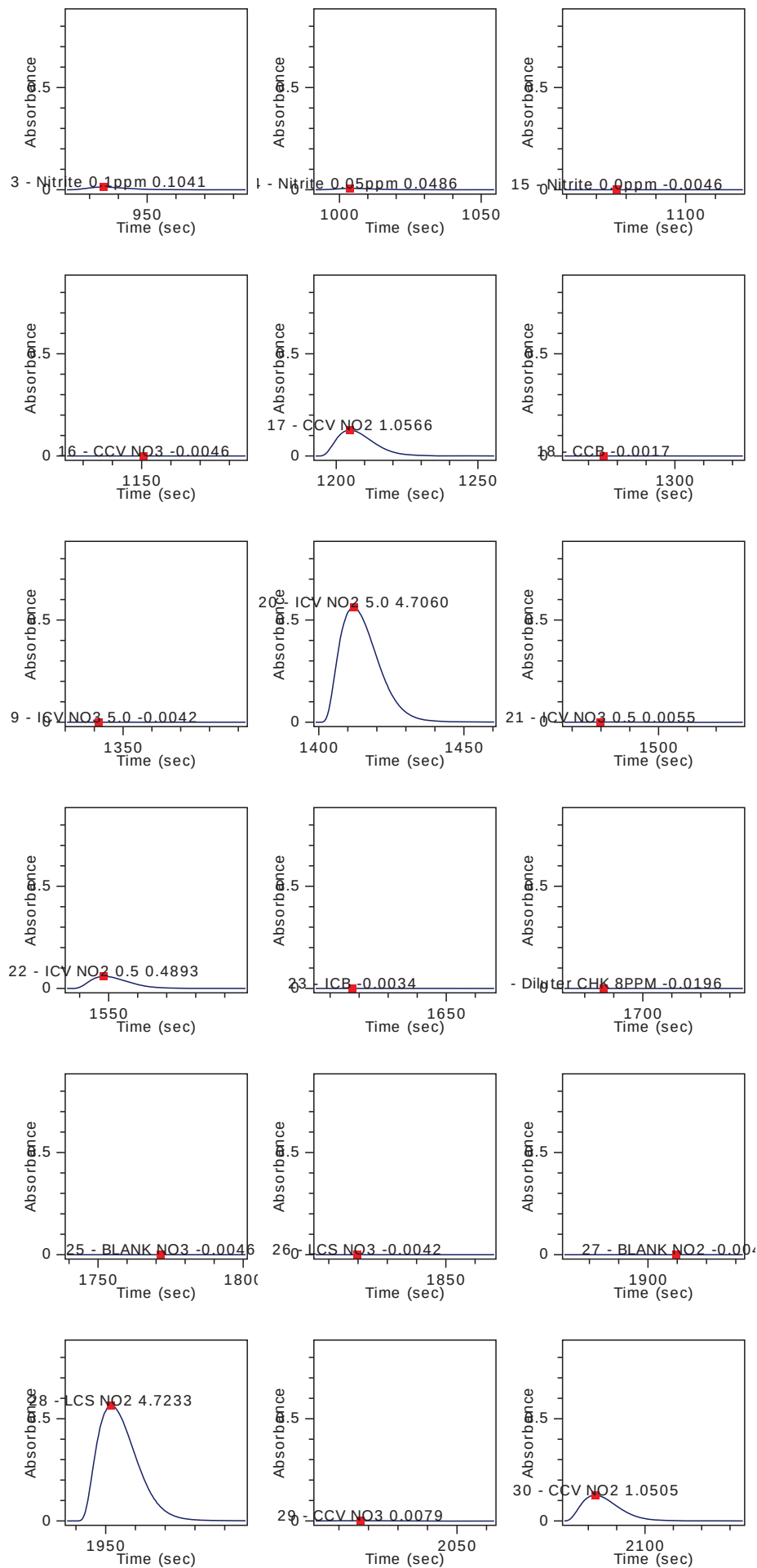


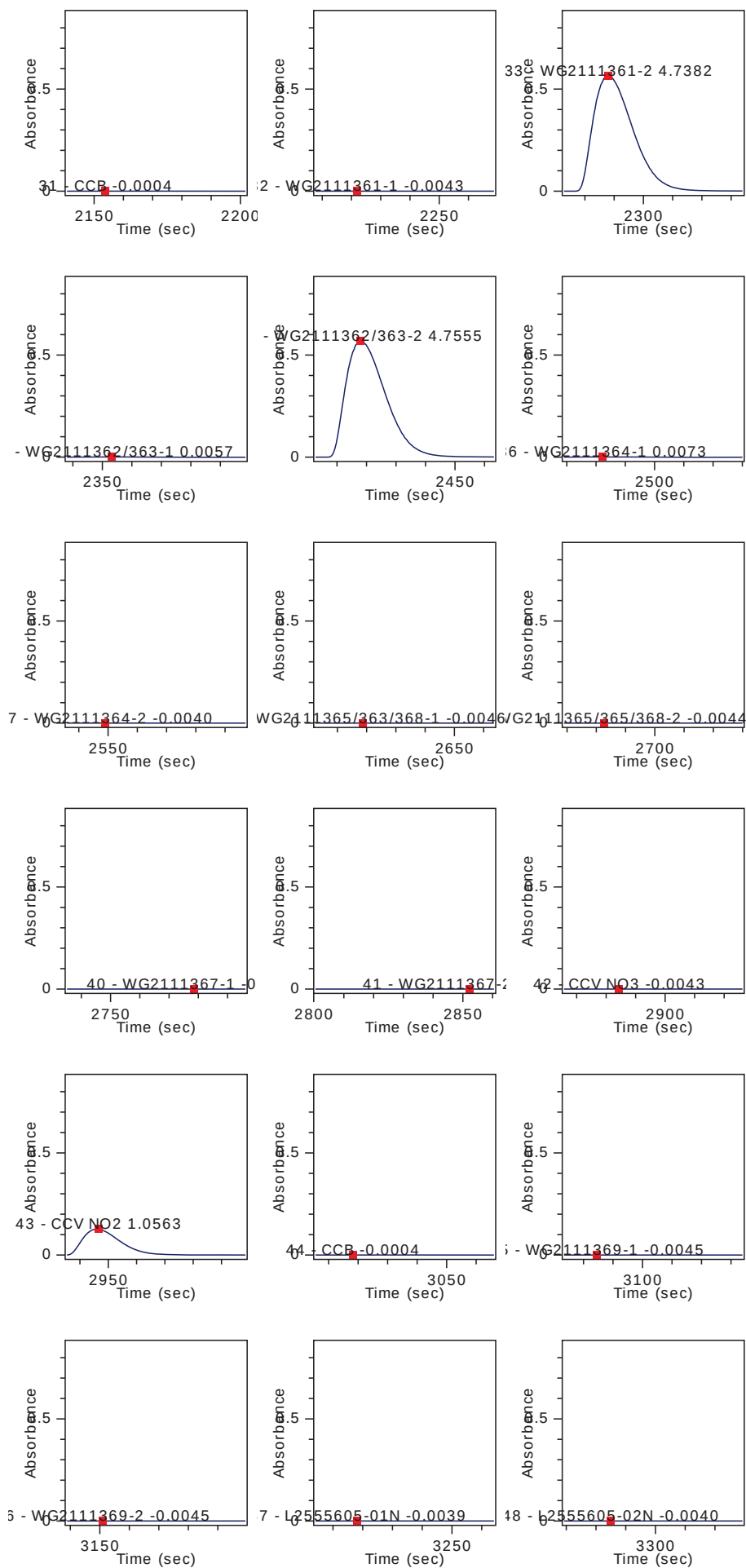


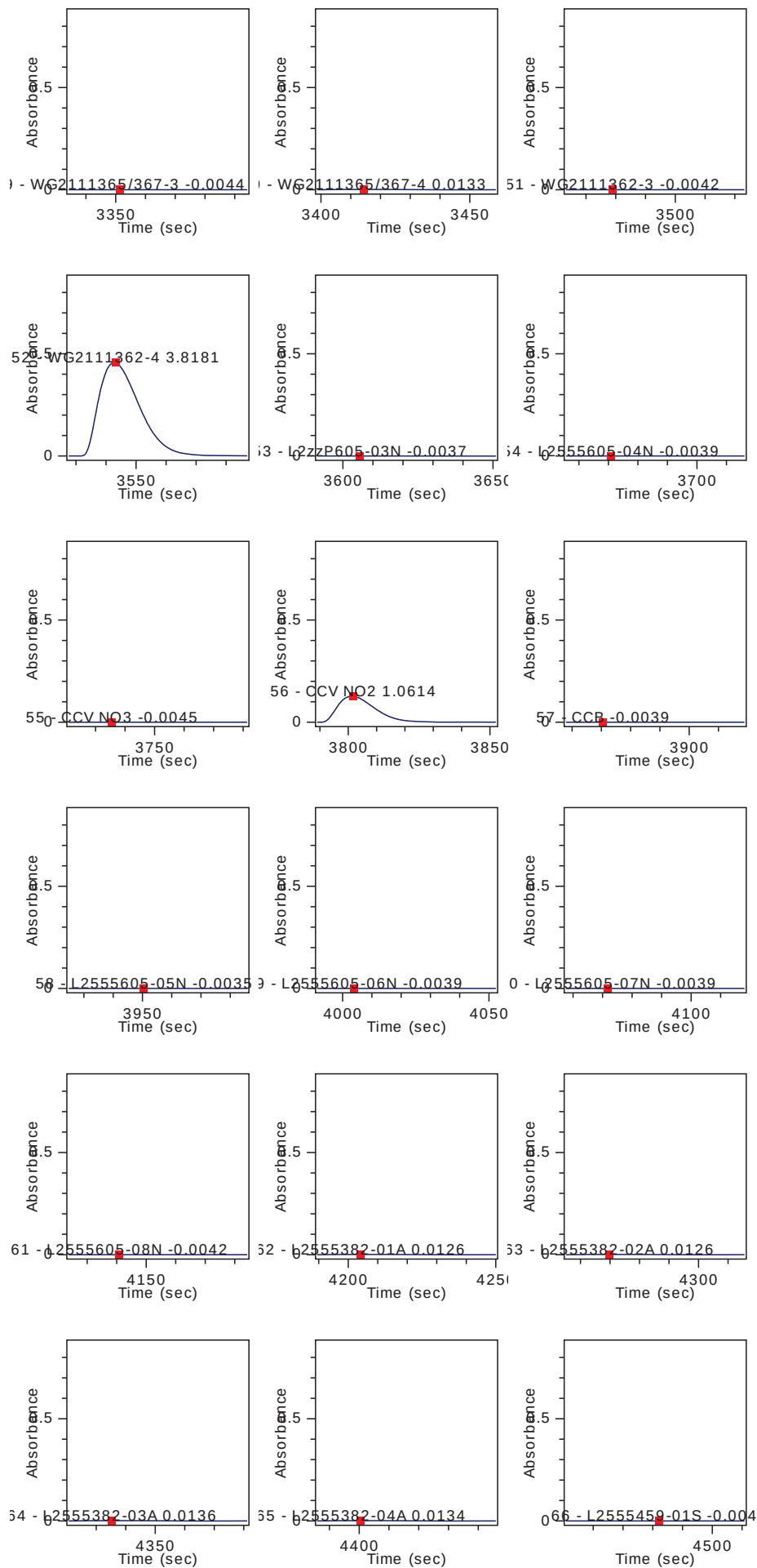


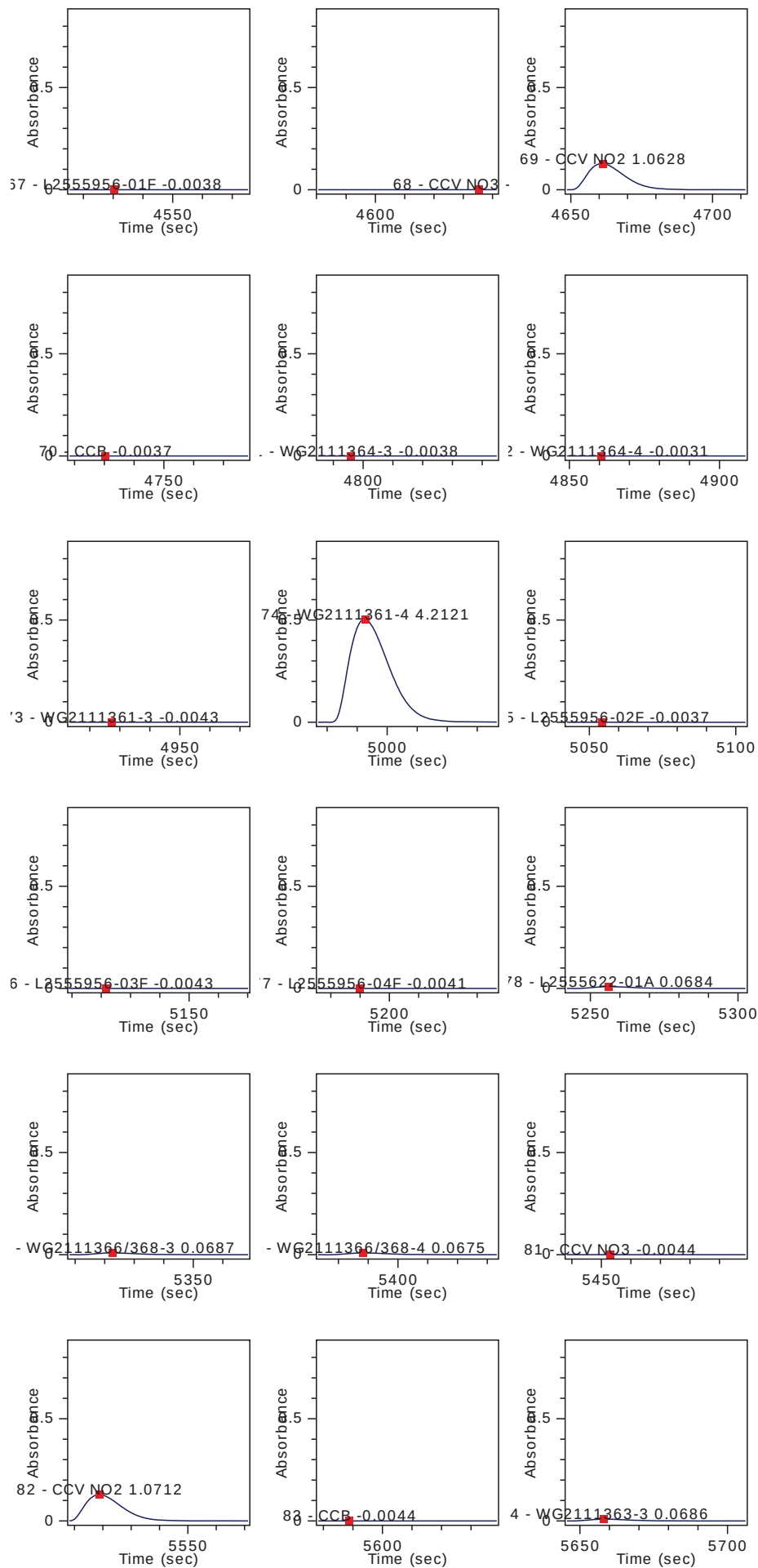
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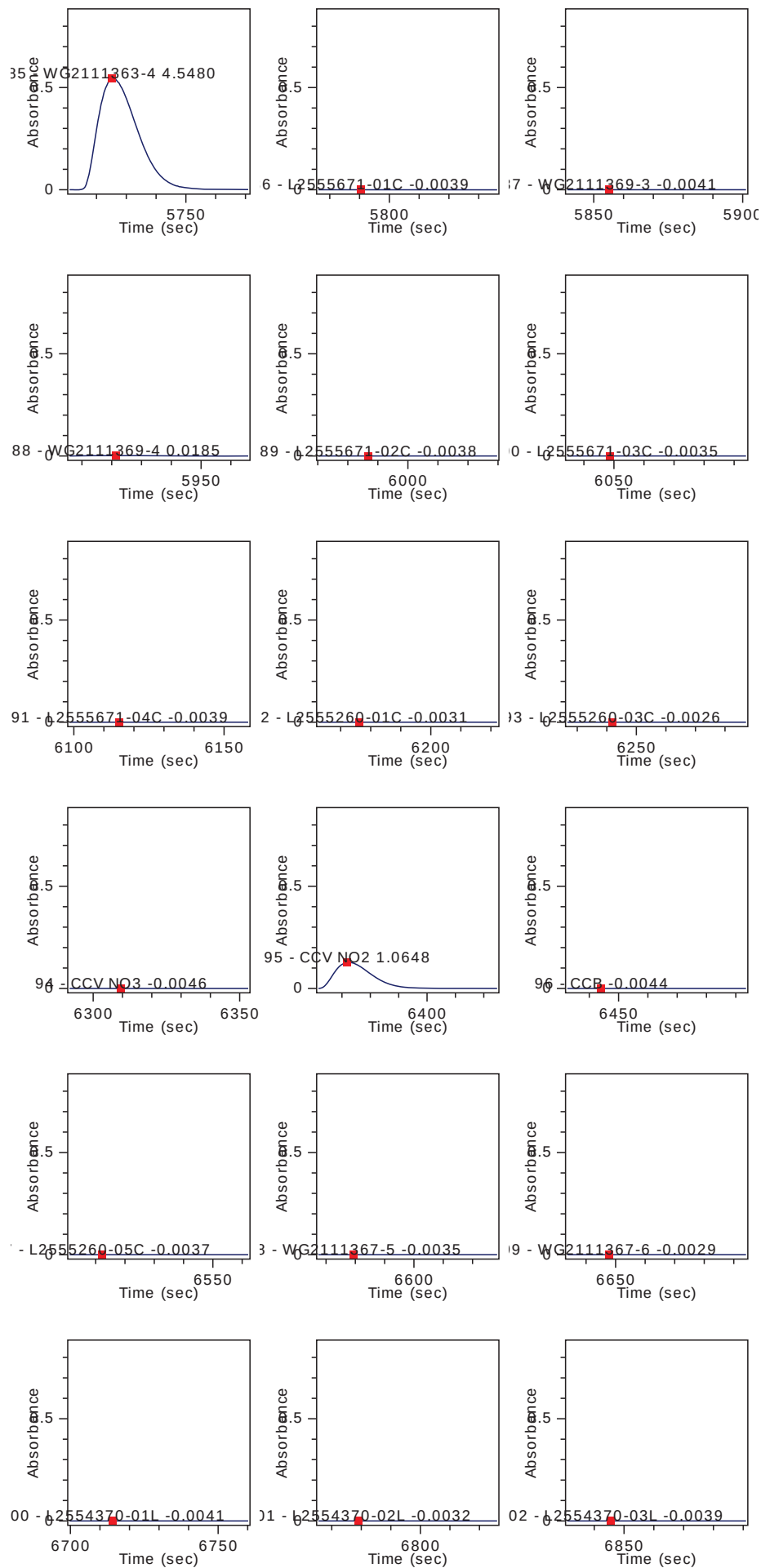


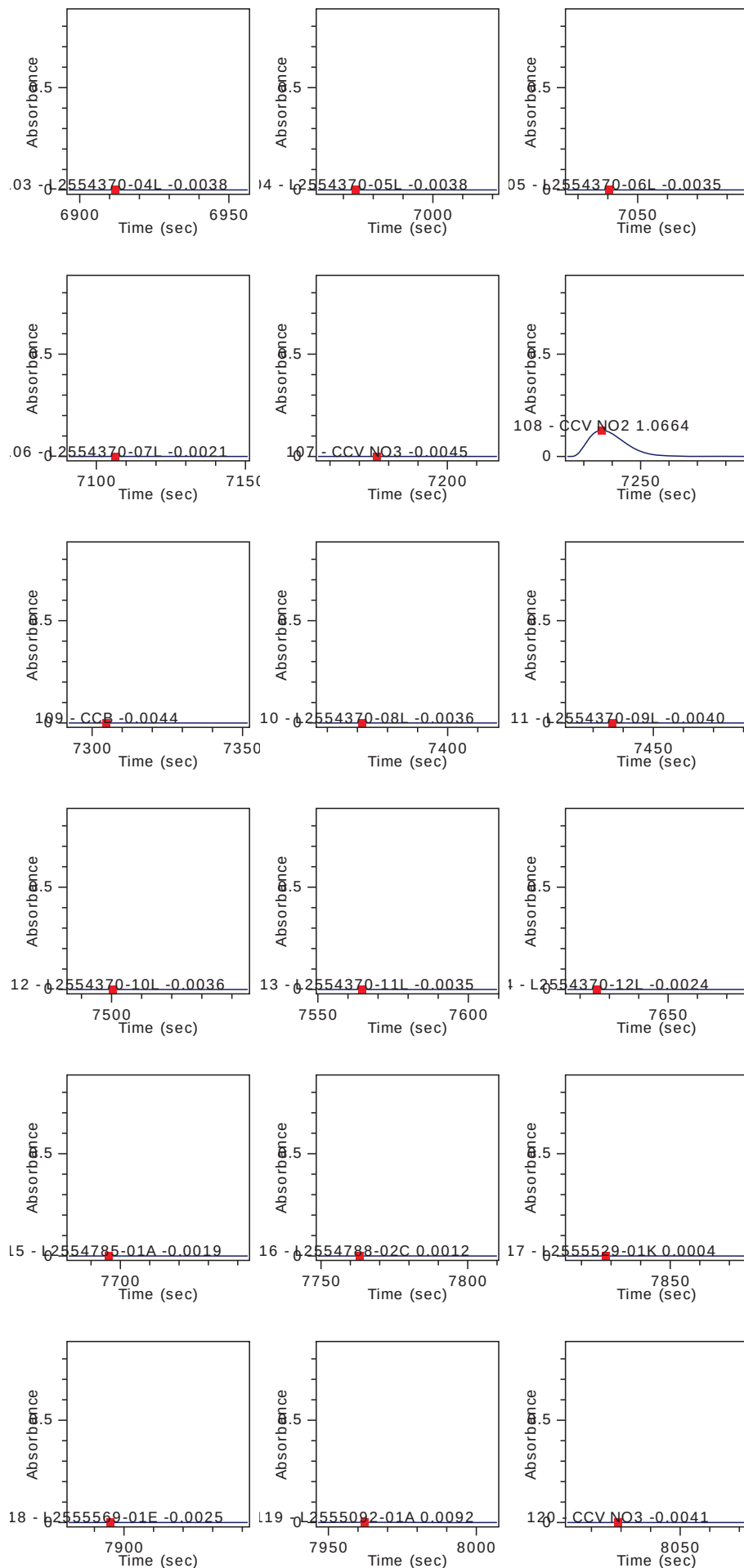


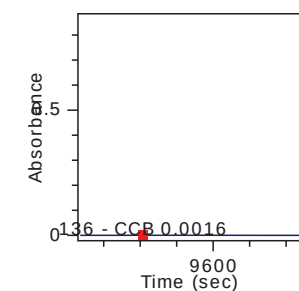
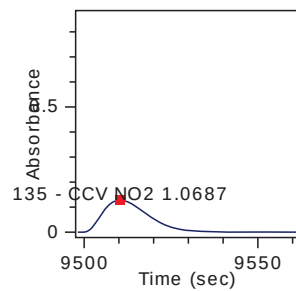
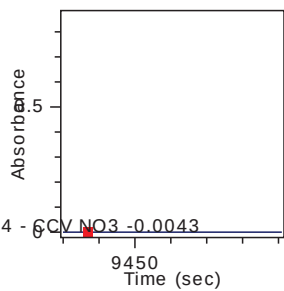
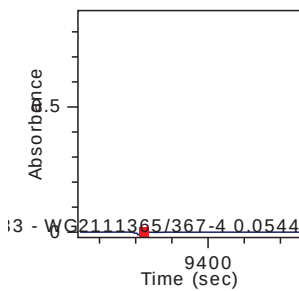
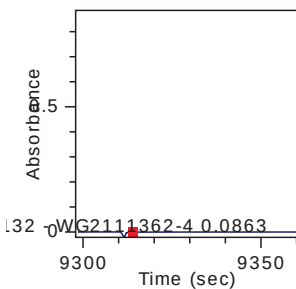
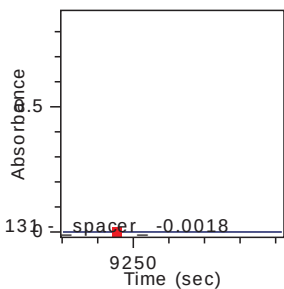
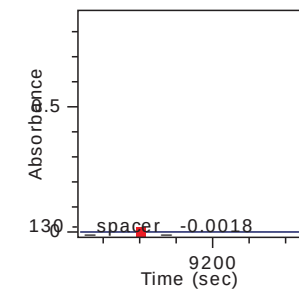
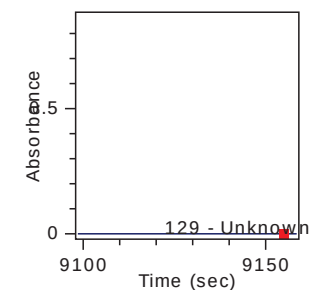
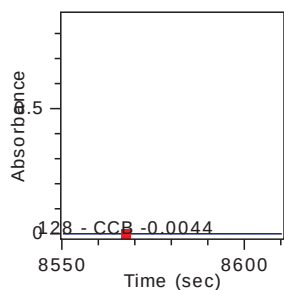
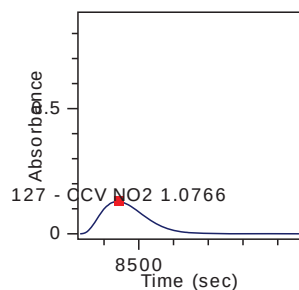
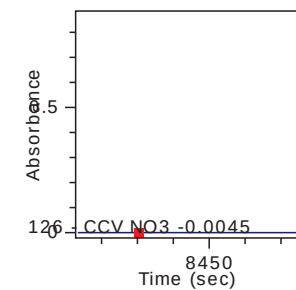
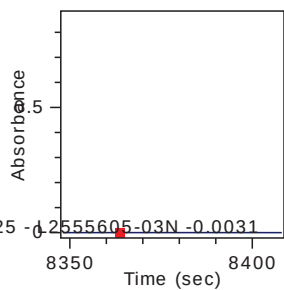
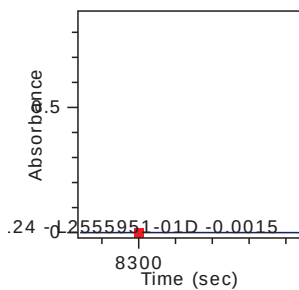
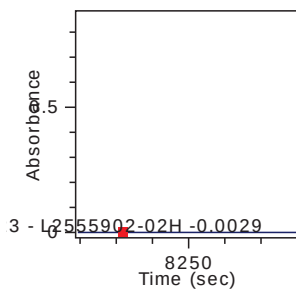
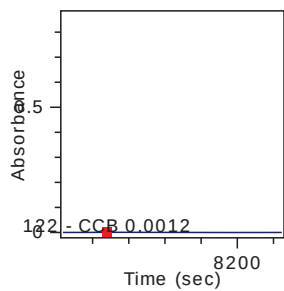
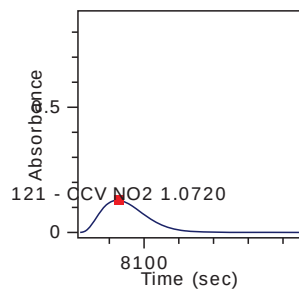












Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T02:33:29

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:36

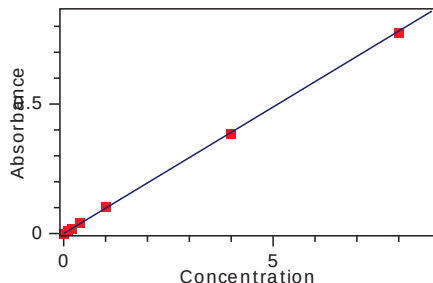
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
---------	--

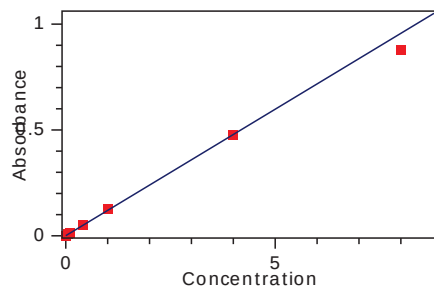
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	N/A
10002	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	N/A
10003	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	N/A
10004	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	N/A
10005	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	N/A
10006	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	N/A



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	N/A
10002	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	N/A
10003	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	N/A
10004	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	N/A
10005	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	N/A
10006	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	N/A
10007	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0002	1	1	1	0.0025		2025-09-06T07:21:15
CCV NO3	2	QC	1	0.1049	1	1	1	1.0735		2025-09-06T07:22:28
CCV NO2	3	QC	?	0.1104	1	1	1	1.1304		2025-09-06T07:23:34
CCB	4	QC	0	0.0009	1	1	1	0.0091		2025-09-06T07:24:49

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2111365/367-4	5	Unknown	?	0.1617	1	5	1	8.2740		2025-09-06T07:25:52
WG2111400-1	6	Unknown	?	0.0000	1	1	1	0.0001		2025-09-06T07:26:31
WG2111400-2	7	Unknown	?	0.4844	1	1	1	4.9570		2025-09-06T07:28:04
WG2111401-1	8	Unknown	?	-0.0001	1	1	1	-0.0003		2025-09-06T07:28:41
WG2111401-2	9	Unknown	?	0.4862	1	1	1	4.9758		2025-09-06T07:30:14
L2554780-02A	10	Unknown	?	0.6651	1	1	1	6.8060		2025-09-06T07:31:20
WG2111400-3	11	Unknown	?	0.6590	1	1	1	6.7436		2025-09-06T07:32:24
WG2111400-4	12	Unknown	?	0.9648	1	1	1	9.8732	OVR	2025-09-06T07:33:29
L2554800-01A	13	Unknown	?	1.3422	1	1	1	13.7344	OVR	2025-09-06T07:34:34
L2554949-01A	14	Unknown	?	0.0325	1	1	1	0.3327		2025-09-06T07:35:39
CCV NO3	15	QC	1	0.1035	1	1	1	1.0600		2025-09-06T07:36:45
CCV NO2	16	QC	?	0.1099	1	1	1	1.1249		2025-09-06T07:37:51
CCB	17	QC	0	0.0007	1	1	1	0.0075		2025-09-06T07:39:04
L2554949-02A	18	Unknown	?	0.0316	1	1	1	0.3238		2025-09-06T07:40:09
L2555006-01A	19	Unknown	?	0.0068	1	1	1	0.0697		2025-09-06T07:41:17
L2555051-02A	20	Unknown	?	0.1038	1	1	1	1.0622		2025-09-06T07:42:23
L2555051-04A	21	Unknown	?	0.0399	1	1	1	0.4088		2025-09-06T07:43:29
L2555051-07A	22	Unknown	?	0.0511	1	1	1	0.5231		2025-09-06T07:44:34
L2555094-01A	23	Unknown	?	0.1765	1	1	1	1.8067		2025-09-06T07:45:40
WG2111400-5	24	Unknown	?	0.1761	1	1	1	1.8019		2025-09-06T07:46:46
WG2111400-6	25	Unknown	?	0.5597	1	1	1	5.7280		2025-09-06T07:47:51
L2555094-02B	26	Unknown	?	0.9937	1	1	1	10.1689	OVR	2025-09-06T07:48:56
L2555509-02B	27	Unknown	?	0.0118	1	1	1	0.1215		2025-09-06T07:50:02
CCV NO3	28	QC	1	0.1031	1	1	1	1.0551		2025-09-06T07:51:06
CCV NO2	29	QC	?	0.1063	1	1	1	1.0879		2025-09-06T07:52:12
CCB	30	QC	0	0.0001	1	1	1	0.0011		2025-09-06T07:53:23
L2555509-03B	31	Unknown	?	0.3455	1	1	1	3.5354		2025-09-06T07:54:31
CCV NO3	32	QC	1	0.1021	1	1	1	1.0447		2025-09-06T07:55:36
CCV NO2	33	QC	?	0.1061	1	1	1	1.0859		2025-09-06T07:56:42
CCB	34	QC	0	0.0001	1	1	1	0.0009		2025-09-06T07:57:52
spacer	35	Unknown	?	0.0000	1	1	1	0.0005		2025-09-06T08:06:31
spacer	36	Unknown	?	0.0004	1	1	1	0.0049		2025-09-06T08:07:55
WG2111400-4	37	Unknown	?	0.1036	1	10	1	10.6067		2025-09-06T08:09:04

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554800-01A	38	Unknown	?	0.1888	1	10	1	19.3230		2025-09-06T08:10:13
L2555094-02B	39	Unknown	?	0.1104	1	10	1	11.2998		2025-09-06T08:11:21
L2554949-01A	40	Unknown	?	0.0363	1	1	1	0.3720		2025-09-06T08:12:29
L2555509-02B	41	Unknown	?	0.0146	1	1	1	0.1500		2025-09-06T08:13:35
CCV NO3	42	QC	1	0.1025	1	1	1	1.0490		2025-09-06T08:14:39
CCV NO2	43	QC	?	0.1056	1	1	1	1.0805		2025-09-06T08:15:44
CCB	44	QC	0	0.0001	1	1	1	0.0009		2025-09-06T08:16:57

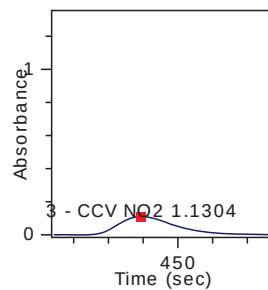
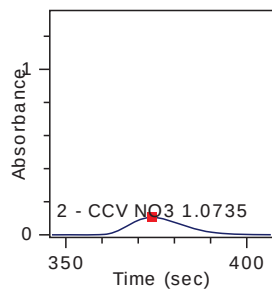
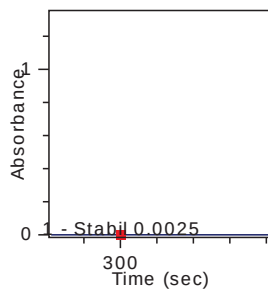
Channel: 2-NO2

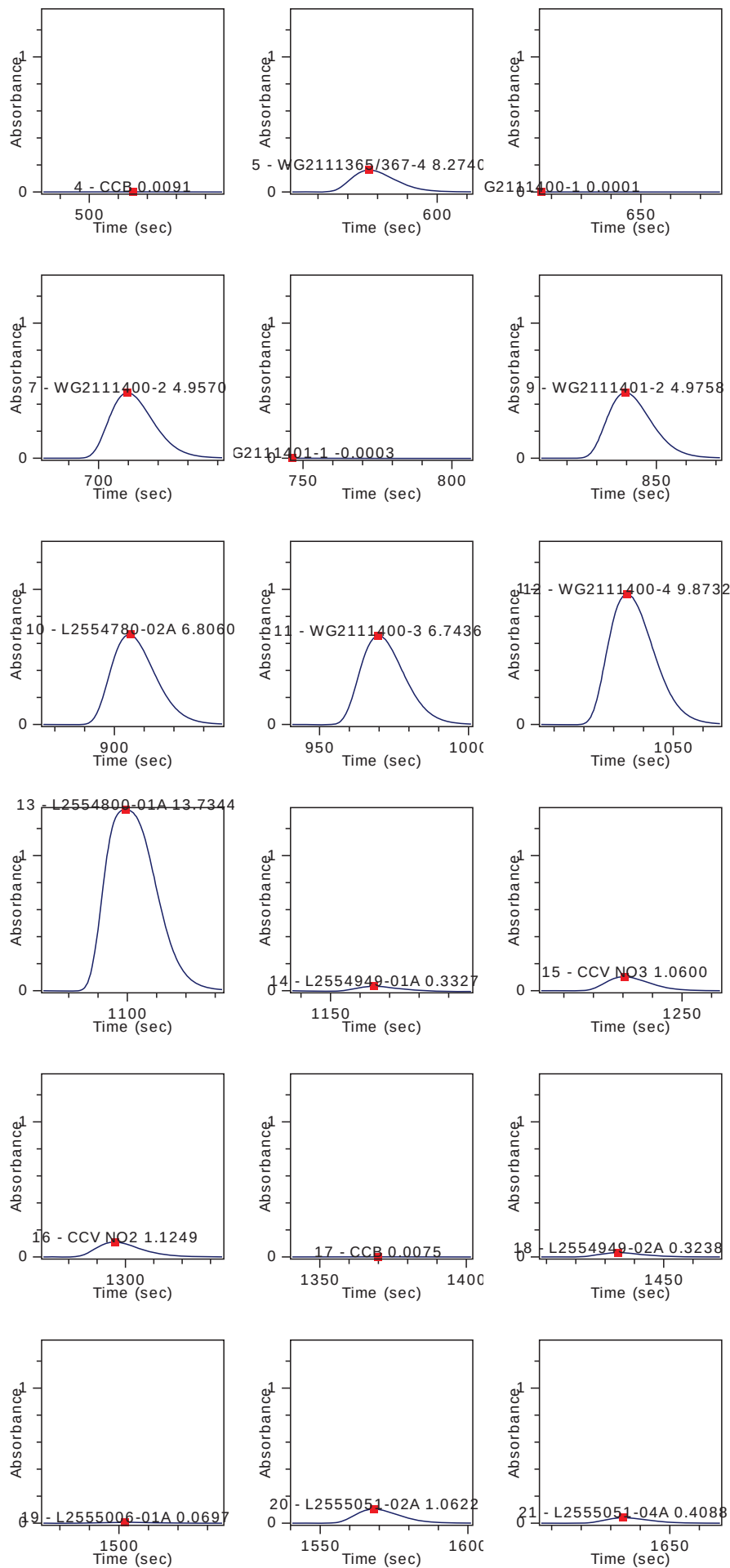
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0042		2025-09-06T07:20:56
CCV NO3	2	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T07:22:15
CCV NO2	3	QC	1	0.1275	1	1	1	1.0624		2025-09-06T07:23:21
CCB	4	QC	0	0.0006	1	1	1	0.0004		2025-09-06T07:24:32
WG2111365/367-4	5	Unknown	?	0.0006	1	5	1	0.0012		2025-09-06T07:25:40
WG2111400-1	6	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T07:27:30
WG2111400-2	7	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T07:28:20
WG2111401-1	8	Unknown	?	0.0001	1	1	1	-0.0044		2025-09-06T07:29:05
WG2111401-2	9	Unknown	?	0.0000	1	1	1	-0.0045		2025-09-06T07:30:18
L2554780-02A	10	Unknown	?	0.0037	1	1	1	0.0263		2025-09-06T07:31:07
WG2111400-3	11	Unknown	?	0.0039	1	1	1	0.0280		2025-09-06T07:32:11
WG2111400-4	12	Unknown	?	0.0037	1	1	1	0.0266		2025-09-06T07:33:15
L2554800-01A	13	Unknown	?	0.0433	1	1	1	0.3577		2025-09-06T07:34:20
L2554949-01A	14	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T07:35:26
CCV NO3	15	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T07:36:47
CCV NO2	16	QC	1	0.1276	1	1	1	1.0632		2025-09-06T07:37:38
CCB	17	QC	0	0.0006	1	1	1	-0.0001		2025-09-06T07:38:49
L2554949-02A	18	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T07:39:55
L2555006-01A	19	Unknown	?	0.0004	1	1	1	-0.0014		2025-09-06T07:41:02
L2555051-02A	20	Unknown	?	0.0399	1	1	1	0.3295		2025-09-06T07:42:10
L2555051-04A	21	Unknown	?	0.0025	1	1	1	0.0159		2025-09-06T07:43:14
L2555051-07A	22	Unknown	?	0.0043	1	1	1	0.0310		2025-09-06T07:44:21
L2555094-01A	23	Unknown	?	0.0058	1	1	1	0.0441		2025-09-06T07:45:27
WG2111400-5	24	Unknown	?	0.0058	1	1	1	0.0441		2025-09-

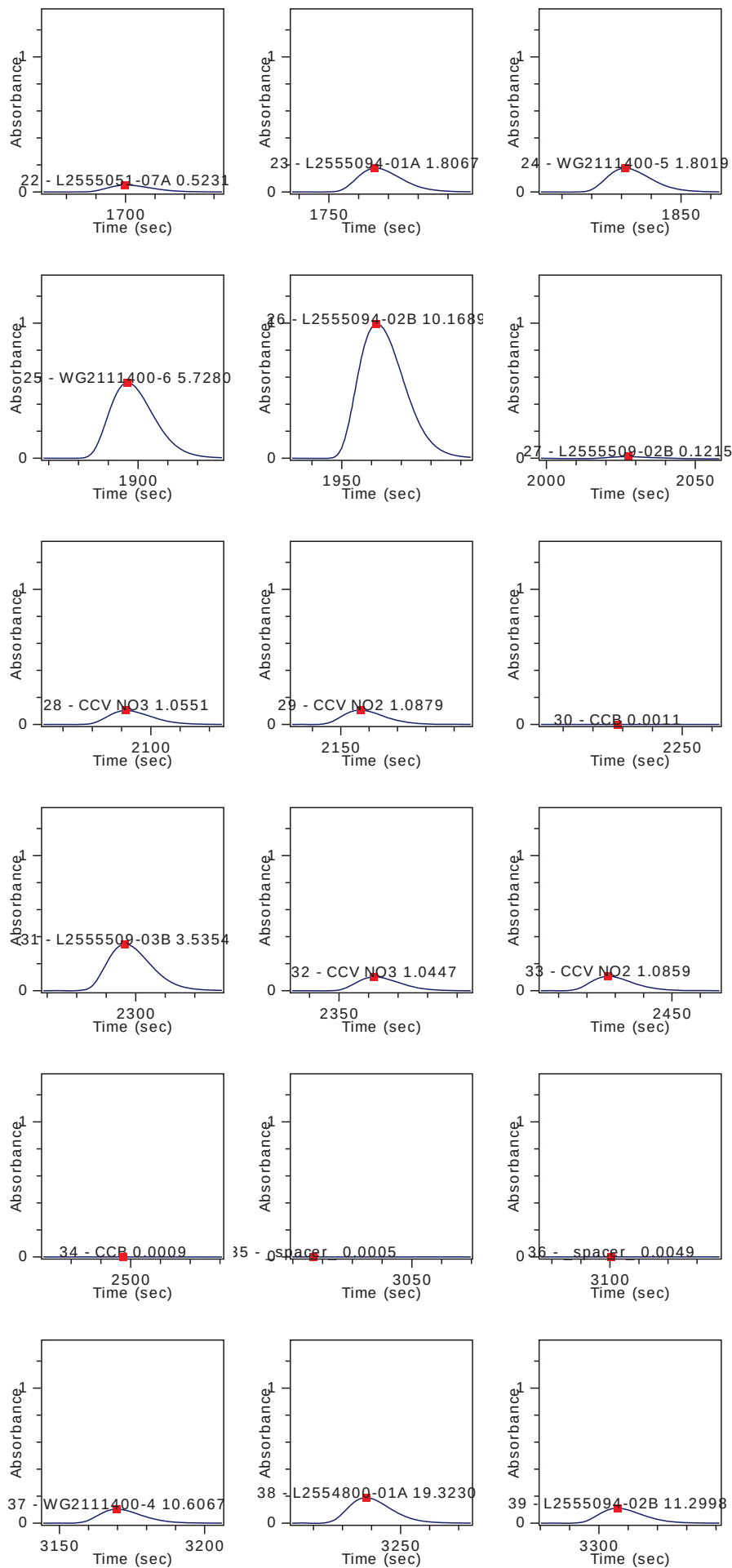
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T07:46:33
WG2111400-6	25	Unknown	?	0.0057	1	1	1	0.0433		2025-09-06T07:47:38
L2555094-02B	26	Unknown	?	0.0696	1	1	1	0.5775		2025-09-06T07:48:43
L255509-02B	27	Unknown	?	0.0009	1	1	1	0.0028		2025-09-06T07:49:48
CCV NO3	28	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T07:50:54
CCV NO2	29	QC	1	0.1269	1	1	1	1.0571		2025-09-06T07:51:59
CCB	30	QC	0	0.0001	1	1	1	-0.0041		2025-09-06T07:53:12
L255509-03B	31	Unknown	?	0.0324	1	1	1	0.2664		2025-09-06T07:54:18
CCV NO3	32	QC	?	0.0001	1	1	1	-0.0037		2025-09-06T07:55:24
CCV NO2	33	QC	1	0.1265	1	1	1	1.0539		2025-09-06T07:56:29
CCB	34	QC	0	0.0001	1	1	1	-0.0043		2025-09-06T07:57:41
spacer	35	Unknown	?	0.0000	1	1	1	-0.0046		2025-09-06T08:07:22
spacer	36	Unknown	?	0.0003	1	1	1	-0.0024		2025-09-06T08:07:45
WG2111400-4	37	Unknown	?	0.0004	1	10	1	-0.0132		2025-09-06T08:08:54
L2554800-01A	38	Unknown	?	0.0044	1	10	1	0.3213		2025-09-06T08:10:01
L2555094-02B	39	Unknown	?	0.0069	1	10	1	0.5335		2025-09-06T08:11:09
L2554949-01A	40	Unknown	?	0.0003	1	1	1	-0.0020		2025-09-06T08:12:16
L255509-02B	41	Unknown	?	0.0009	1	1	1	0.0031		2025-09-06T08:13:20
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0038		2025-09-06T08:14:27
CCV NO2	43	QC	1	0.1254	1	1	1	1.0451		2025-09-06T08:15:31
CCB	44	QC	0	0.0002	1	1	1	-0.0033		2025-09-06T08:16:42

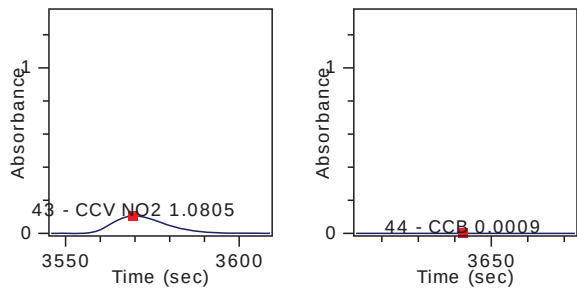
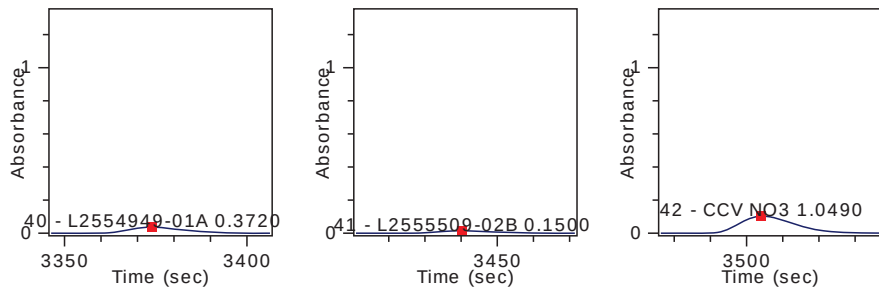
Peaks:

Channel: 1-NOx

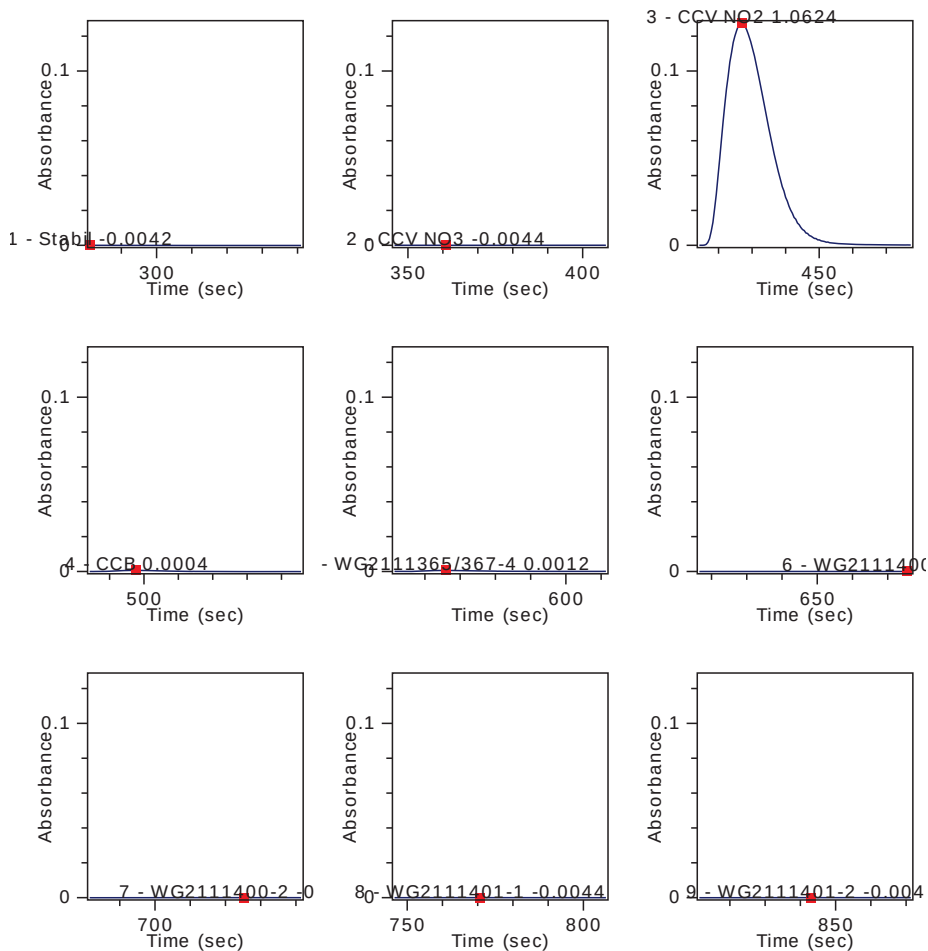


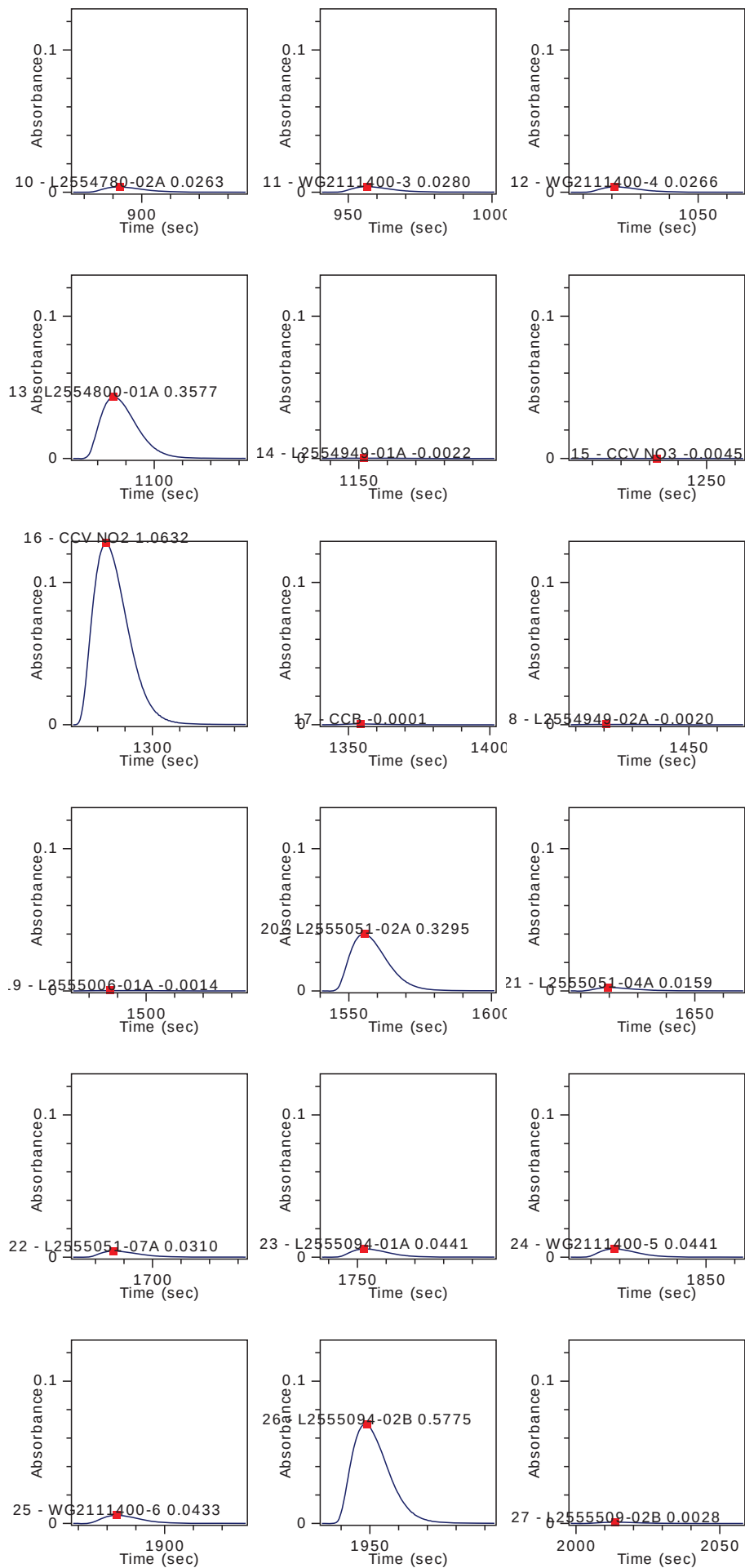


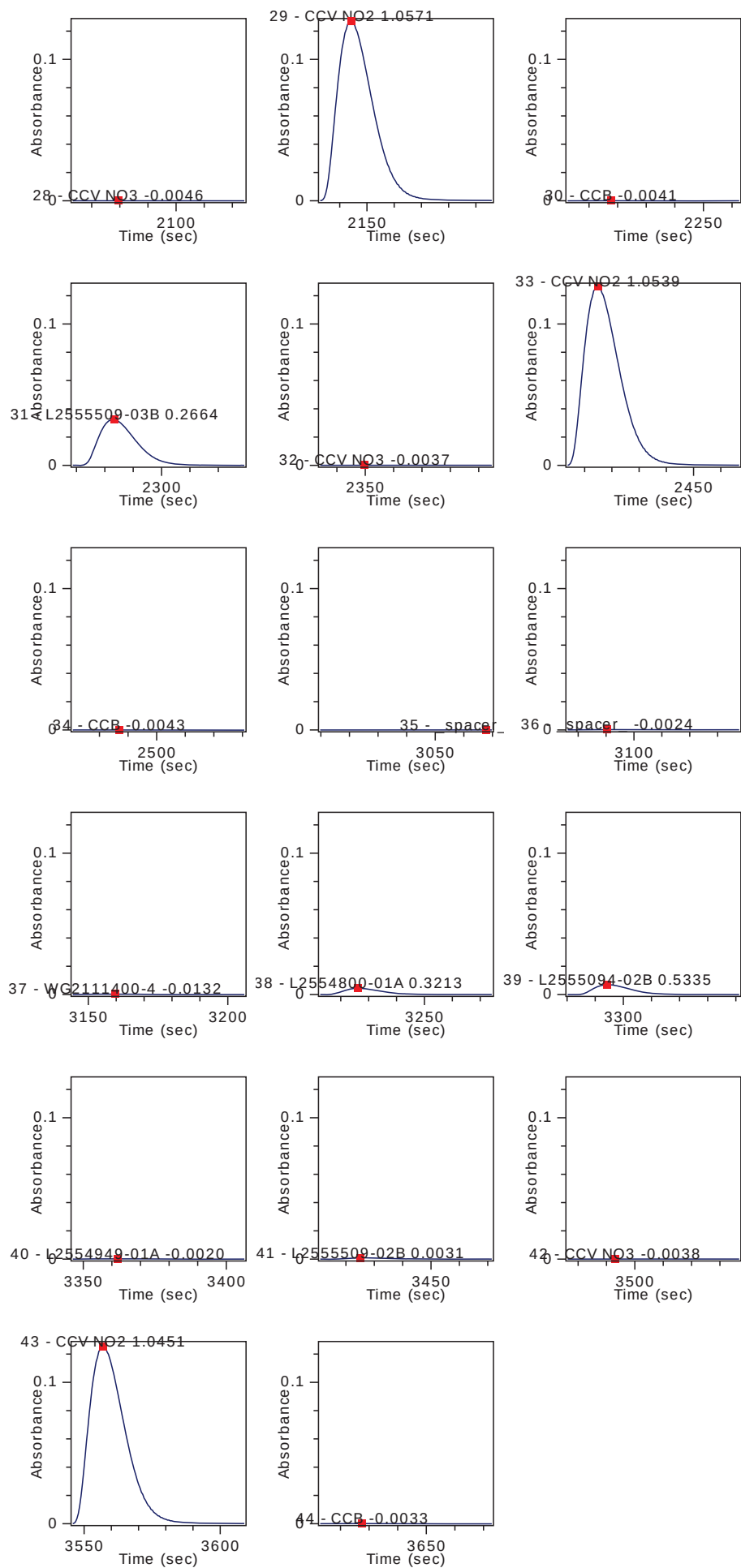




Channel: 2-NO2







Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
 |--- Low: 500nm
 |--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T07:16:15

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject
Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample
Delay (sec) 1
Next Sample
Autosampler Probe Force Down

Spectrometer Reference Scan
Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 5
Autosampler Position (#) Rinse
FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIALab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime
Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 09:46:23

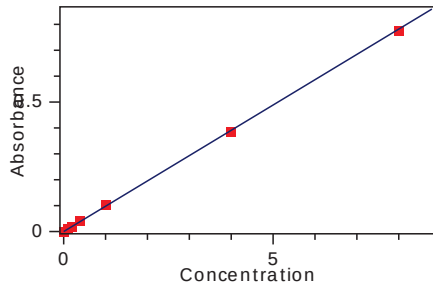
Data file (.dat): C:\FIAlab\Autosave Data\2025-09-06-094602.dat

Dataset Notes:

Analyst	
---------	--

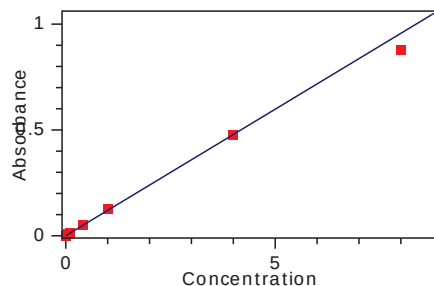
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: -0.00004
 B: 0.09773
 R^2 : 0.99993
 RSE(%): 3.06822
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.77270	8.00000	7.90670	1.17	N/A
10002	NOx 4.0ppm	0.38510	4.00000	3.94150	1.46	N/A
10003	NOx 1.0ppm	0.10290	1.00000	1.05320	5.32	N/A
10004	NOx 0.4ppm	0.03880	0.40000	0.39700	0.74	N/A
10005	NOx 0.2ppm	0.01910	0.20000	0.19580	2.12	N/A
10006	NOx 0.1ppm	0.00980	0.10000	0.10090	0.88	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00090	NA	N/A



Channel: 2-NO2
 Fit_Order: 1
 Weighting: 1/response
 Standard relation
 Coefficients:
 A: 0.00057
 B: 0.11949
 R^2 : 0.99841
 RSE(%): 6.31732
 % Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	0.87620	8.00000	7.32790	8.40	N/A
10002	Nitrite 4.0ppm	0.47440	4.00000	3.96570	0.86	N/A
10003	Nitrite 1.0ppm	0.12690	1.00000	1.05710	5.71	N/A
10004	Nitrite 0.4ppm	0.05100	0.40000	0.42220	5.55	N/A
10005	Nitrite 0.1ppm	0.01300	0.10000	0.10410	4.09	N/A
10006	Nitrite 0.05ppm	0.00640	0.05000	0.04860	2.86	N/A
10007	Nitrite 0.0ppm	0.00000	0.00000	-0.00460	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0014		2025-09-06T08:40:27
CCV NO3	2	QC	1	0.1038	1	1	1	1.0626		2025-09-06T08:41:39
CCV NO2	3	QC	?	0.1096	1	1	1	1.1219		2025-09-06T08:42:45
CCB	4	QC	0	0.0009	1	1	1	0.0092		2025-09-06T08:43:59

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2555910-03P	5	Unknown	?	0.0036	1	1	1	0.0370		2025-09-06T08:45:01
WG2111432-3	6	Unknown	?	0.0017	1	1	1	0.0174		2025-09-06T08:46:06
WG2111432-4	7	Unknown	?	0.3846	1	1	1	3.9355		2025-09-06T08:47:12
WG2111430-3	8	Unknown	?	0.0006	1	1	1	0.0066		2025-09-06T08:48:17
WG2111430-4	9	Unknown	?	0.4189	1	1	1	4.2866		2025-09-06T08:49:25
L2555910-05P; MTX	10	Unknown	?	0.0004	1	5	1	0.0245		2025-09-06T08:50:32
L2555848-01J	11	Unknown	?	0.0079	1	1	1	0.0814		2025-09-06T08:51:39
L2555938-01N	12	Unknown	?	0.6789	1	1	1	6.9469		2025-09-06T08:52:45
L2555938-02N	13	Unknown	?	0.2458	1	1	1	2.5154		2025-09-06T08:53:51
L2555938-03N	14	Unknown	?	0.1116	1	1	1	1.1428		2025-09-06T08:54:56
CCV NO3	15	QC	1	0.1027	1	1	1	1.0512		2025-09-06T08:56:02
CCV NO2	16	QC	?	0.1071	1	1	1	1.0958		2025-09-06T08:57:07
CCB	17	QC	0	0.0001	1	1	1	0.0010		2025-09-06T08:58:20
L2555938-04N	18	Unknown	?	0.0045	1	1	1	0.0469		2025-09-06T08:59:24
L2555938-05N	19	Unknown	?	0.3918	1	1	1	4.0098		2025-09-06T09:00:31
L2556025-01E	20	Unknown	?	0.0401	1	1	1	0.4107		2025-09-06T09:01:35
WG2111401-3	21	Unknown	?	0.0392	1	1	1	0.4011		2025-09-06T09:02:41
WG2111401-4	22	Unknown	?	0.4264	1	1	1	4.3639		2025-09-06T09:03:47
L2556025-02E	23	Unknown	?	0.0036	1	1	1	0.0370		2025-09-06T09:04:52
L2556025-03E	24	Unknown	?	0.0051	1	1	1	0.0520		2025-09-06T09:05:57
L2556025-04E	25	Unknown	?	0.1247	1	1	1	1.2762		2025-09-06T09:07:03
L2556025-05E	26	Unknown	?	0.0035	1	1	1	0.0364		2025-09-06T09:08:10
L2556025-06E	27	Unknown	?	0.0913	1	1	1	0.9351		2025-09-06T09:09:16
CCV NO3	28	QC	1	0.1021	1	1	1	1.0450		2025-09-06T09:10:21
CCV NO2	29	QC	?	0.1054	1	1	1	1.0790		2025-09-06T09:11:27
CCB	30	QC	0	0.0000	1	1	1	0.0002		2025-09-06T09:12:13
L2556025-07E	31	Unknown	?	0.0558	1	1	1	0.5718		2025-09-06T09:13:47
L2554790-01B	32	Unknown	?	0.0151	1	1	1	0.1552		2025-09-06T09:14:55
L2554790-02C	33	Unknown	?	0.4583	1	1	1	4.6904		2025-09-06T09:16:01
L2554994-01C	34	Unknown	?	0.2732	1	1	1	2.7964		2025-09-06T09:17:06
L2554994-03C	35	Unknown	?	0.3599	1	1	1	3.6829		2025-09-06T09:18:13
L2554994-05C	36	Unknown	?	0.4057	1	1	1	4.1516		2025-09-06T09:19:18
L2554994-07C	37	Unknown	?	1.3719	1	1	1	14.0390	OVR	2025-09-06T09:20:29

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554994-09C	38	Unknown	?	0.4588	1	1	1	4.6950		2025-09-06T09:21:30
L2555775-01A	39	Unknown	?	0.0145	1	1	1	0.1486		2025-09-06T09:22:35
L2555775-02A	40	Unknown	?	0.4761	1	1	1	4.8719		2025-09-06T09:23:41
CCV NO3	41	QC	1	0.1006	1	1	1	1.0296		2025-09-06T09:24:46
CCV NO2	42	QC	?	0.1039	1	1	1	1.0635		2025-09-06T09:25:50
CCB	43	QC	0	0.0002	1	1	1	0.0020		2025-09-06T09:27:04
L2555777-01A	44	Unknown	?	0.2147	1	1	1	2.1969		2025-09-06T09:28:14
L2555777-02A	45	Unknown	?	0.4548	1	1	1	4.6547		2025-09-06T09:29:20
L2554994-09C	46	Unknown	?	0.4643	1	1	1	4.7512		2025-09-06T09:30:27
CCV NO3	47	QC	1	0.1010	1	1	1	1.0336		2025-09-06T09:31:31
CCV NO2	48	QC	?	0.1071	1	1	1	1.0967		2025-09-06T09:32:37
CCB	49	QC	0	0.0005	1	1	1	0.0053		2025-09-06T09:33:50
spacer	50	Unknown	?	0.0000	1	1	1	0.0004		2025-09-06T09:38:09
spacer	51	Unknown	?	0.0005	1	1	1	0.0050		2025-09-06T09:39:05
L2554994-07C	52	Unknown	?	0.2839	1	10	1	29.0565		2025-09-06T09:40:14
CCV NO3	53	QC	1	0.1010	1	1	1	1.0340		2025-09-06T09:41:21
CCV NO2	54	QC	?	0.1074	1	1	1	1.0995		2025-09-06T09:42:26
CCB	55	QC	0	0.0007	1	1	1	0.0077		2025-09-06T09:43:42

Channel: 2-NO2

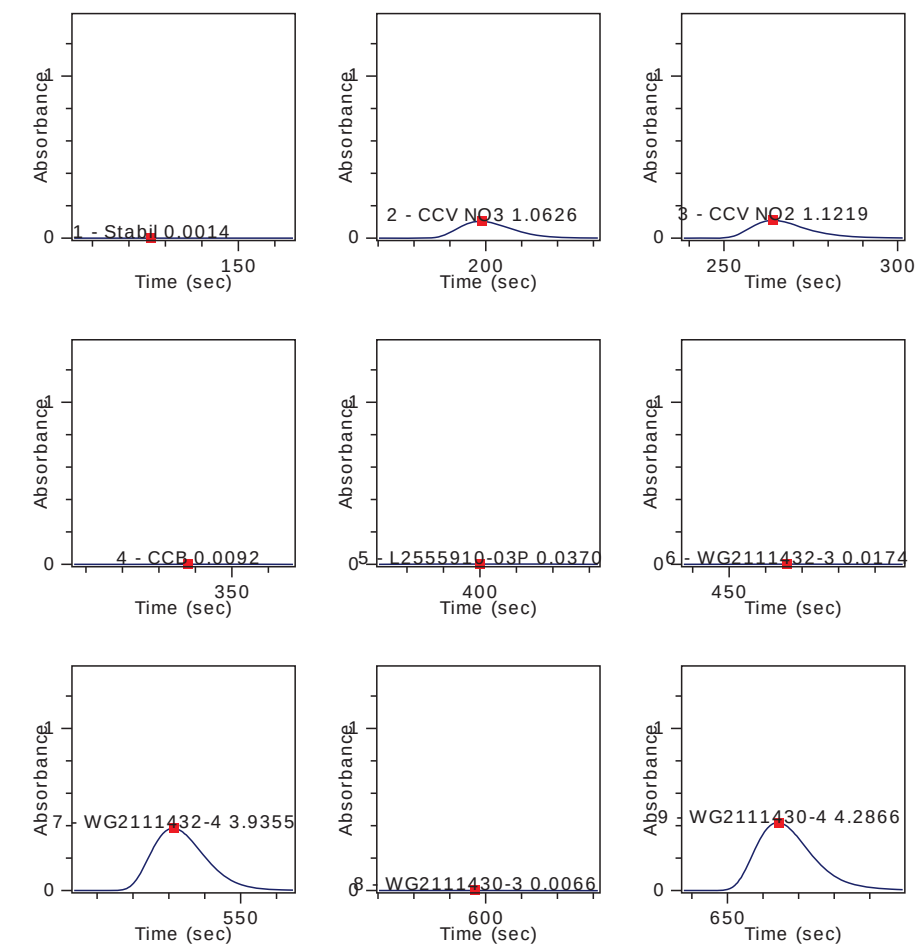
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0000	1	1	1	-0.0050		2025-09-06T08:40:05
CCV NO3	2	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T08:41:37
CCV NO2	3	QC	1	0.1241	1	1	1	1.0335		2025-09-06T08:42:32
CCB	4	QC	0	0.0009	1	1	1	0.0024		2025-09-06T08:43:42
L2555910-03P	5	Unknown	?	0.0002	1	1	1	-0.0034		2025-09-06T08:44:47
WG2111432-3	6	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T08:46:01
WG2111432-4	7	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-06T08:46:58
WG2111430-3	8	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T08:48:17
WG2111430-4	9	Unknown	?	0.4603	1	1	1	3.8474		2025-09-06T08:49:11
L2555910-05P; MTX	10	Unknown	?	0.0006	1	5	1	0.0023		2025-09-06T08:50:19
L2555848-01J	11	Unknown	?	0.0006	1	1	1	0.0000		2025-09-06T08:51:25
L2555938-01N	12	Unknown	?	0.0001	1	1	1	-0.0037		2025-09-06T08:52:32
L2555938-	13	Unknown	?	0.0001	1	1	1	-0.0036		2025-09-

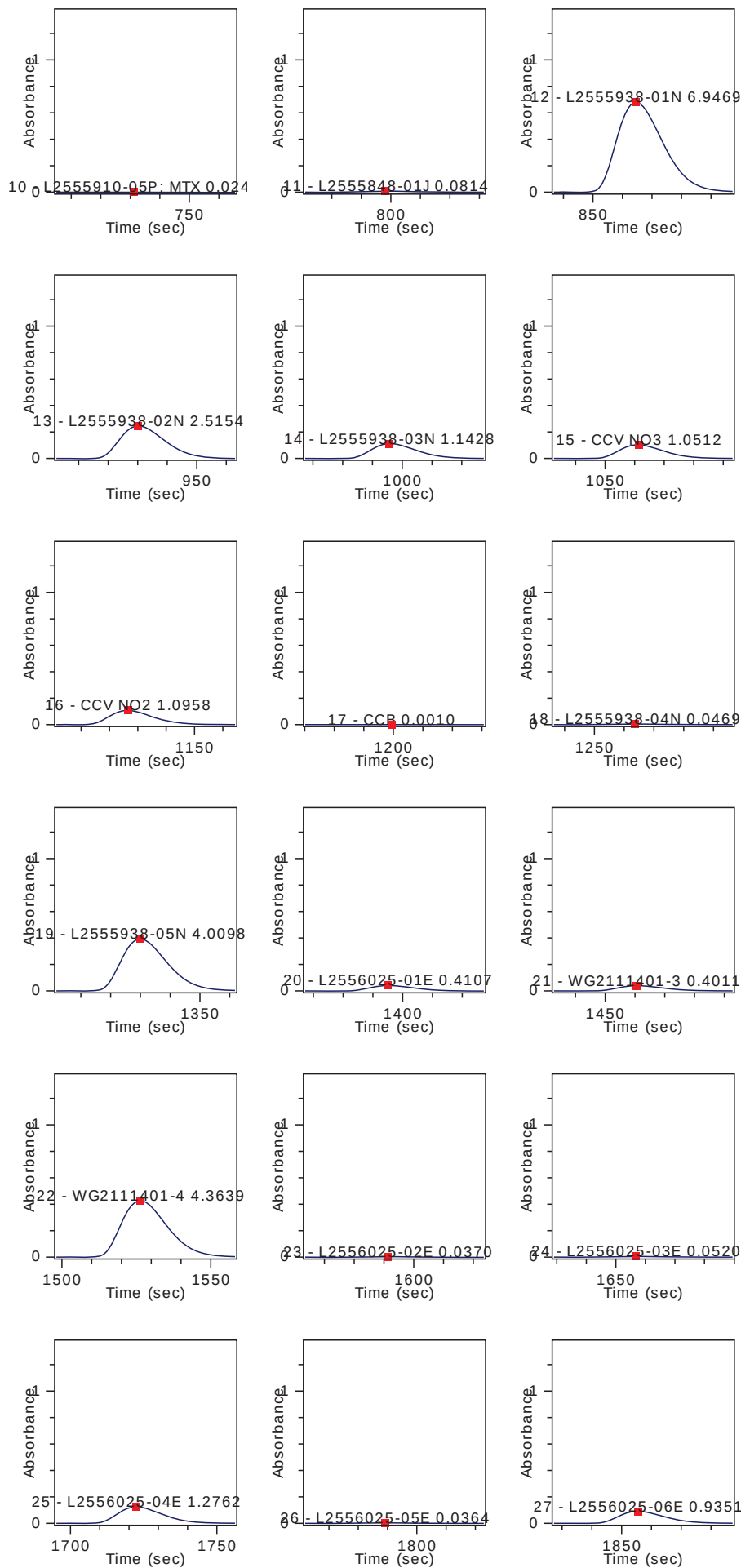
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
02N										06T08:53:36
L2555938-03N	14	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T08:54:43
CCV NO3	15	QC	?	0.0000	1	1	1	-0.0046		2025-09-06T08:55:54
CCV NO2	16	QC	1	0.1228	1	1	1	1.0226		2025-09-06T08:56:54
CCB	17	QC	0	0.0003	1	1	1	-0.0022		2025-09-06T08:58:05
L2555938-04N	18	Unknown	?	0.0002	1	1	1	-0.0033		2025-09-06T08:59:09
L2555938-05N	19	Unknown	?	0.0001	1	1	1	-0.0041		2025-09-06T09:00:16
L2556025-01E	20	Unknown	?	0.0003	1	1	1	-0.0021		2025-09-06T09:01:22
WG2111401-3	21	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T09:02:27
WG2111401-4	22	Unknown	?	0.0030	1	1	1	0.0205		2025-09-06T09:03:33
L2556025-02E	23	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T09:04:39
L2556025-03E	24	Unknown	?	0.0002	1	1	1	-0.0031		2025-09-06T09:05:46
L2556025-04E	25	Unknown	?	0.0004	1	1	1	-0.0015		2025-09-06T09:06:49
L2556025-05E	26	Unknown	?	0.0003	1	1	1	-0.0019		2025-09-06T09:07:56
L2556025-06E	27	Unknown	?	0.0026	1	1	1	0.0170		2025-09-06T09:09:03
CCV NO3	28	QC	?	0.0000	1	1	1	-0.0045		2025-09-06T09:10:07
CCV NO2	29	QC	1	0.1243	1	1	1	1.0351		2025-09-06T09:11:14
CCB	30	QC	0	0.0000	1	1	1	-0.0045		2025-09-06T09:12:30
L2556025-07E	31	Unknown	?	0.0006	1	1	1	0.0000		2025-09-06T09:13:33
L2554790-01B	32	Unknown	?	0.0006	1	1	1	0.0004		2025-09-06T09:14:41
L2554790-02C	33	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T09:15:46
L2554994-01C	34	Unknown	?	0.0002	1	1	1	-0.0032		2025-09-06T09:16:51
L2554994-03C	35	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T09:17:57
L2554994-05C	36	Unknown	?	0.0001	1	1	1	-0.0040		2025-09-06T09:19:05
L2554994-07C	37	Unknown	?	0.0002	1	1	1	-0.0029		2025-09-06T09:20:08
L2554994-09C	38	Unknown	?	0.0003	1	1	1	-0.0026		2025-09-06T09:21:15
L2555775-01A	39	Unknown	?	0.0008	1	1	1	0.0022		2025-09-06T09:22:21
L2555775-02A	40	Unknown	?	0.0002	1	1	1	-0.0030		2025-09-06T09:23:29
CCV NO3	41	QC	?	0.0001	1	1	1	-0.0039		2025-09-06T09:24:33
CCV NO2	42	QC	1	0.1223	1	1	1	1.0186		2025-09-06T09:25:38
CCB	43	QC	0	0.0000	1	1	1	-0.0045		2025-09-06T09:26:50
L2555777-01A	44	Unknown	?	0.1762	1	1	1	1.4699		2025-09-06T09:27:59
L2555777-02A	45	Unknown	?	0.0001	1	1	1	-0.0039		2025-09-06T09:29:07

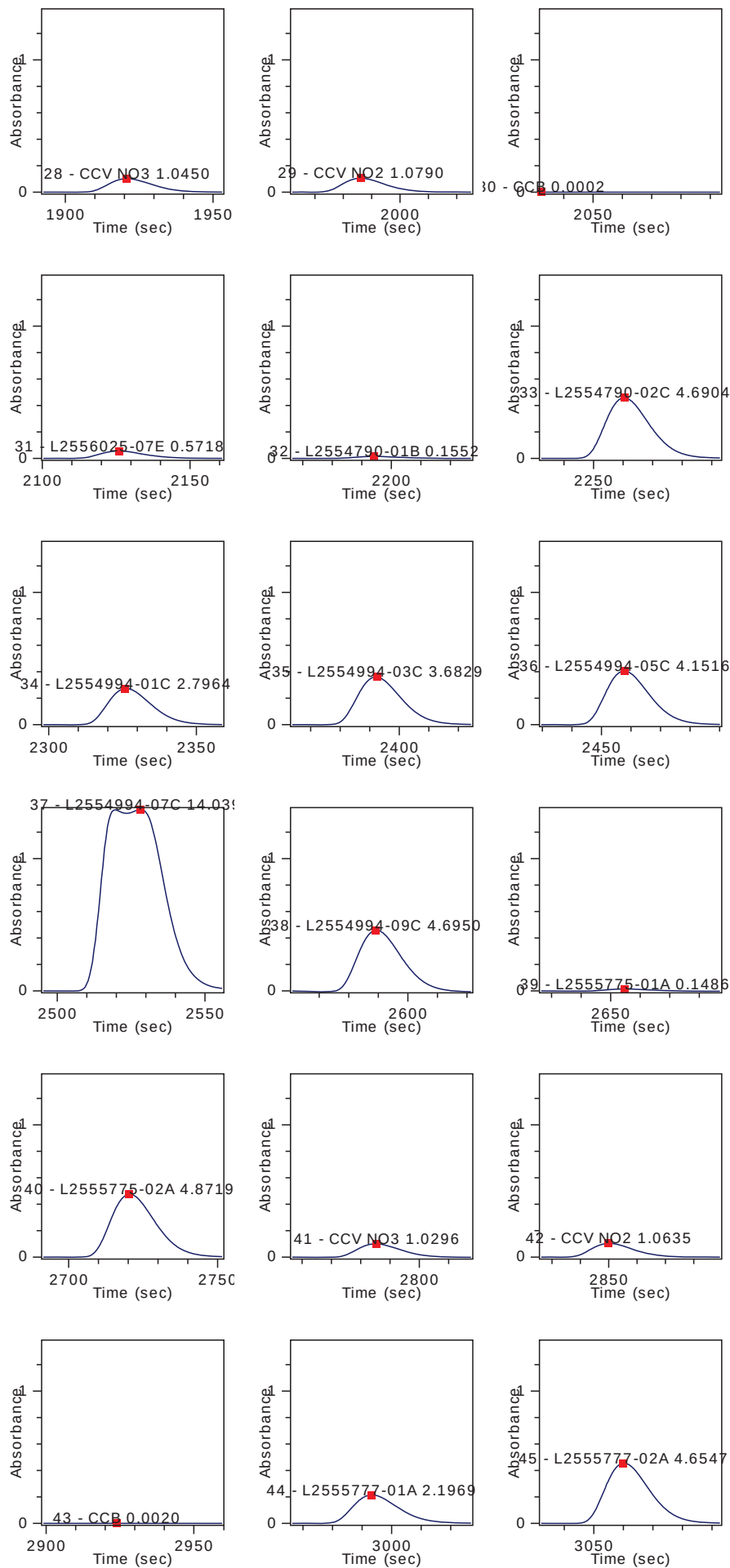
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2554994-09C	46	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T09:30:12
CCV NO3	47	QC	?	0.0000	1	1	1	-0.0044		2025-09-06T09:31:16
CCV NO2	48	QC	1	0.1217	1	1	1	1.0135		2025-09-06T09:32:24
CCB	49	QC	0	0.0007	1	1	1	0.0014		2025-09-06T09:33:35
spacer	50	Unknown	?	0.0000	1	1	1	-0.0044		2025-09-06T09:37:58
spacer	51	Unknown	?	0.0003	1	1	1	-0.0022		2025-09-06T09:38:55
L2554994-07C	52	Unknown	?	0.0001	1	10	1	-0.0403		2025-09-06T09:40:04
CCV NO3	53	QC	?	0.0001	1	1	1	-0.0043		2025-09-06T09:41:42
CCV NO2	54	QC	1	0.1216	1	1	1	1.0126		2025-09-06T09:42:12
CCB	55	QC	0	0.0007	1	1	1	0.0012		2025-09-06T09:43:24

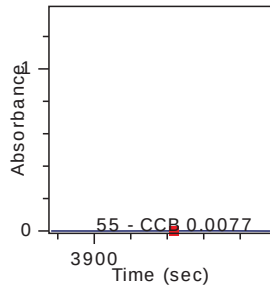
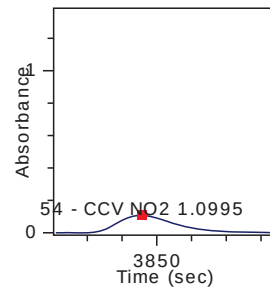
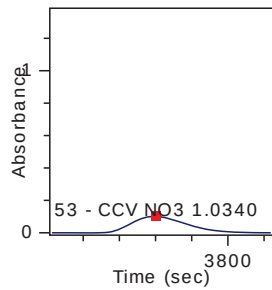
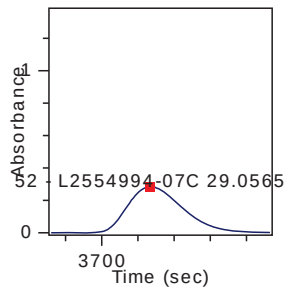
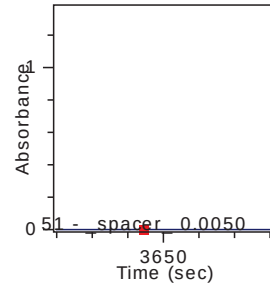
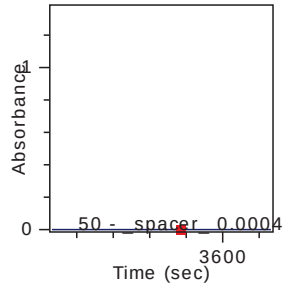
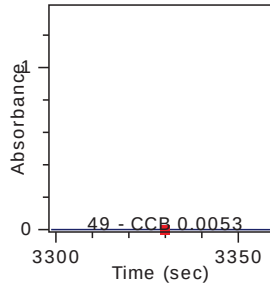
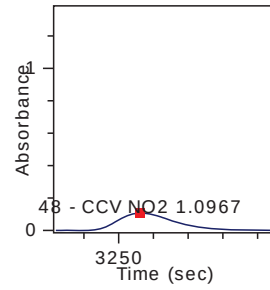
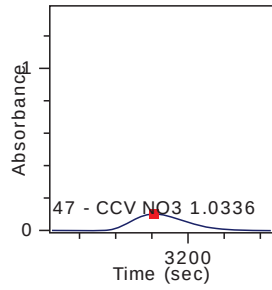
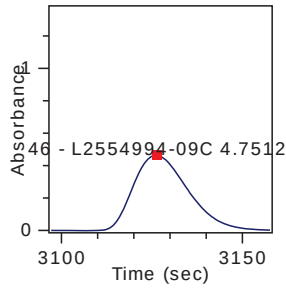
Peaks:

Channel: 1-NOx

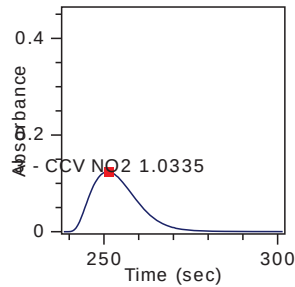
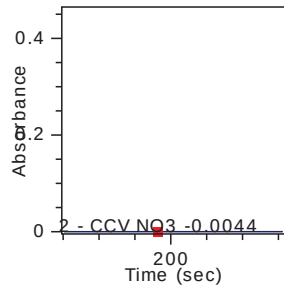
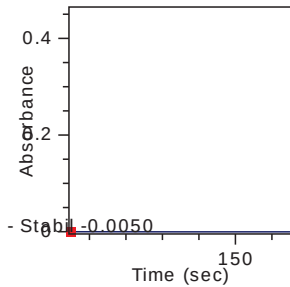


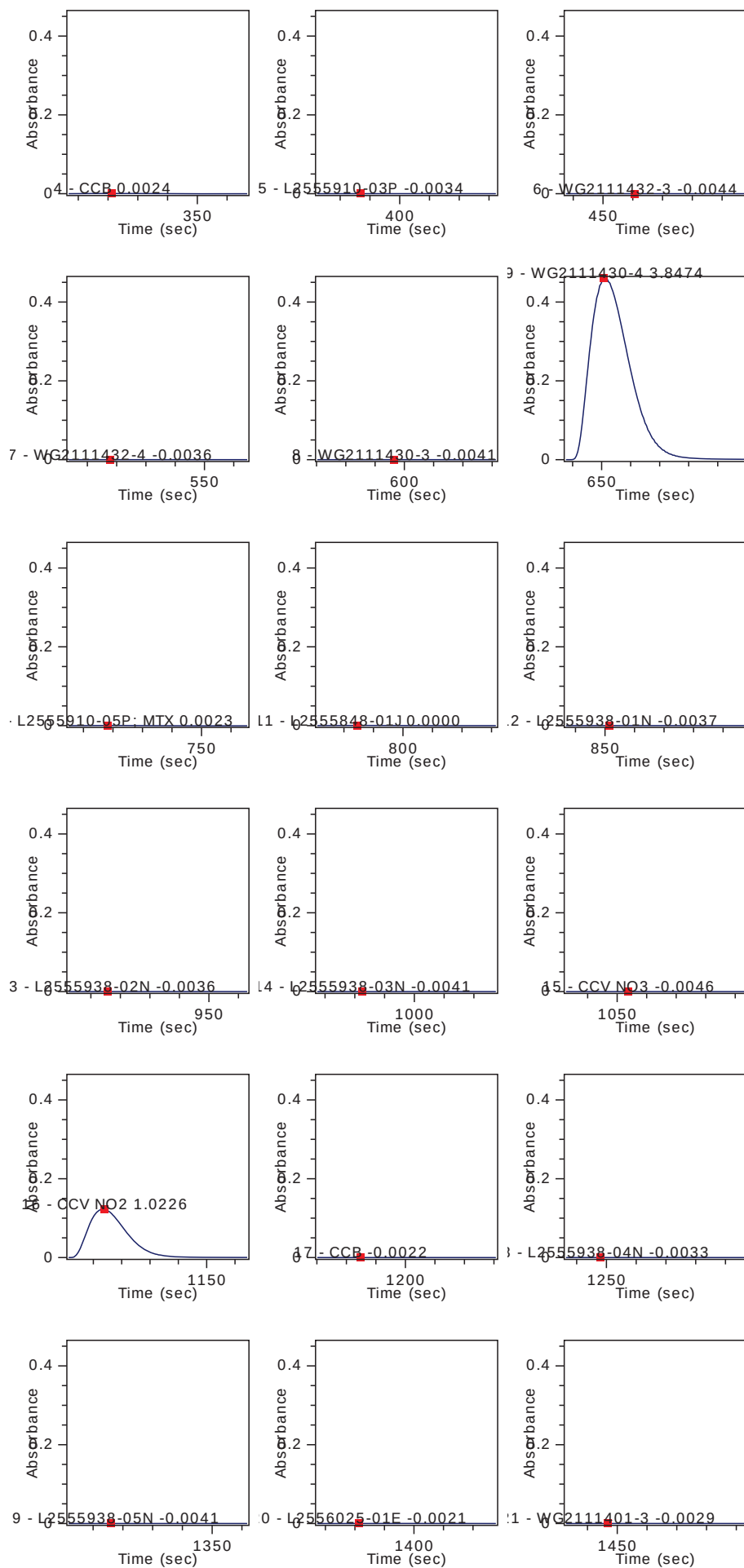


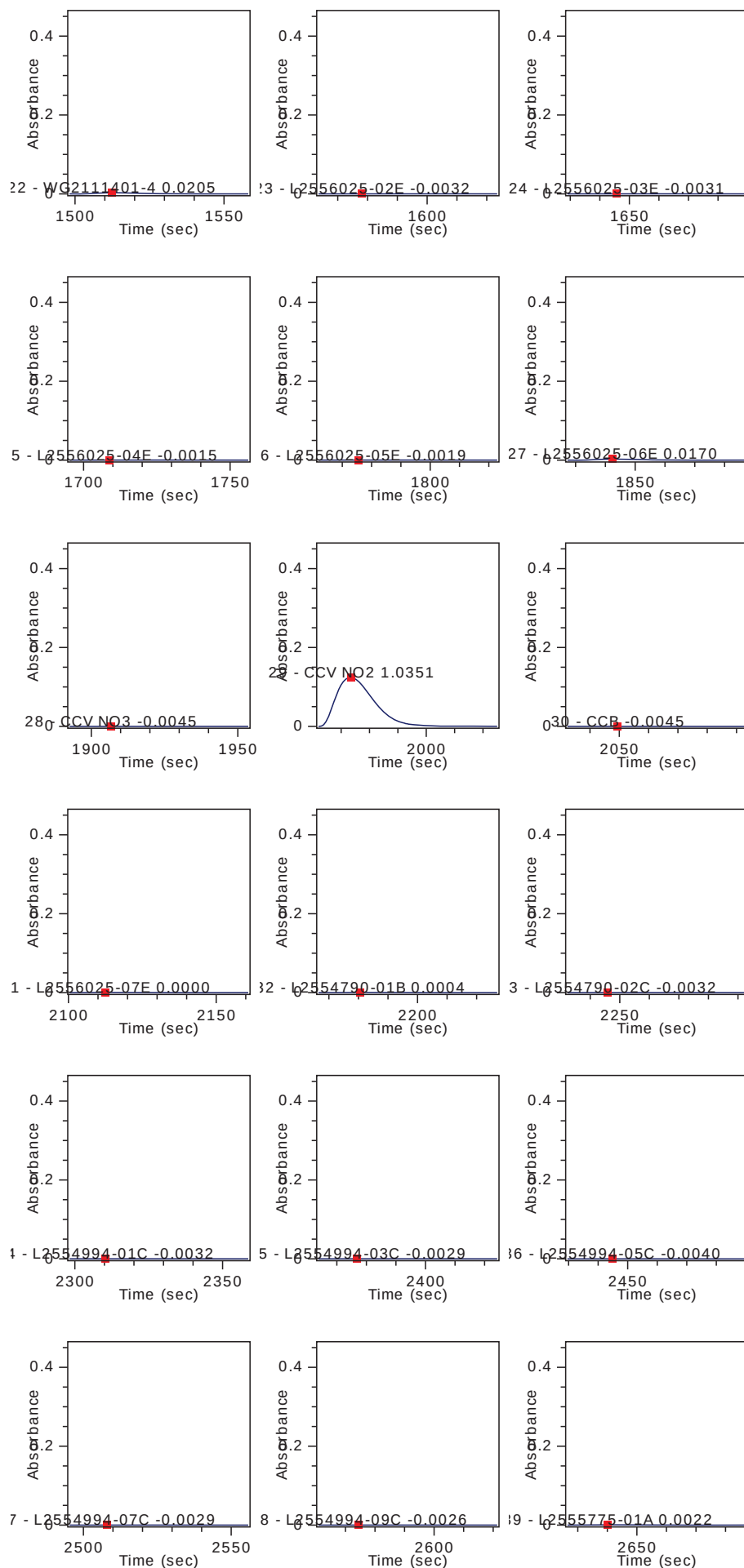


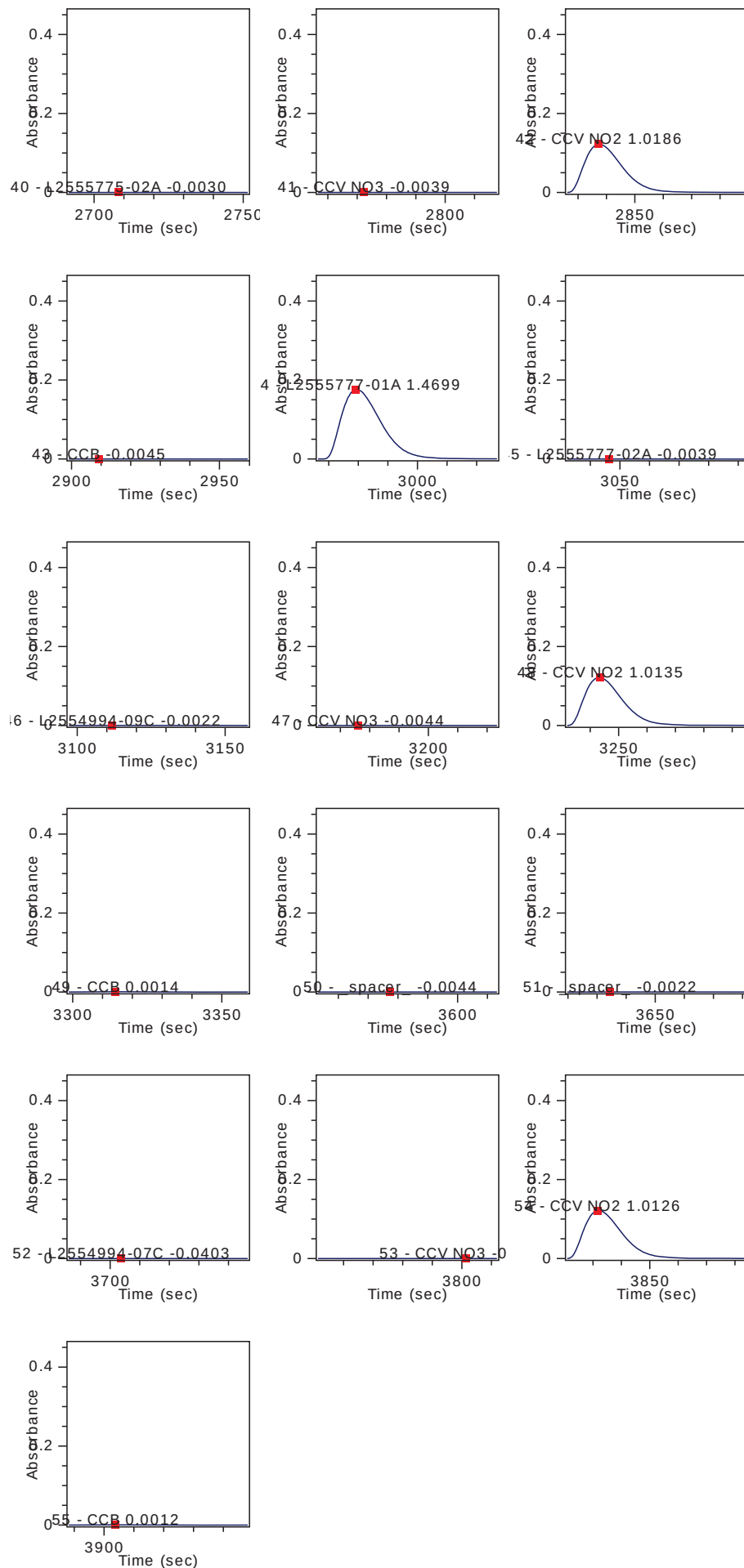


Channel: 2-NO2









Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

FIAsoft FIAsoft v3.1.10

FIAlyzer Settings

FIAlab1 Serial Number: FIA31428

FIAlab2 Serial Number: FIA31429

Pump: Connected on COM8

Spectrometer Settings

Spectrometer1

Spectrometer Type: tec5

Integration Time: 1.4

Bandwidth: 2

Data Acq Rate: 2

Use Full Spectrum: False

|--- Low: 500nm

|--- High: 650nm

Reduce to Boxcar: True

Spectrometer2

Spectrometer Type: tec5

Integration Time: 2.4

Bandwidth: 2

Data Acq Rate: 2
Use Full Spectrum: False
|--- Low: 500nm
|--- High: 650nm
Reduce to Boxcar: True

Start Time

2025-09-06T08:38:21

Method

' Method Script for NOx-NO2

Autosave Data C:\FIALab\Autosave Data\DateTime
FIALab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIALab Peristaltic Pump Clockwise(%) 55

Autosampler Wash

Delay (sec) 2

Next Sample

Delay (sec) 35 'StartDelay2 - Controls initial sample introduction.

FIALab1 Injection Valve Sample Inject

Autosampler Probe Up

Delay (sec) 2

Autosampler Position (#) Rinse

FIALab2 Injection Valve Sample Inject

Delay (sec) 15 'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up

Delay (sec) 5 'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

Analyte New Sample

Delay (sec) 1

Next Sample

Autosampler Probe Force Down

Spectrometer Reference Scan

Spectrometer Absorbance Scanning

Delay (sec) 3 ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

FIALab Injection Valve Sample Load

Delay (sec) 35 ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

FIALab1 Injection Valve Sample Inject

Autosampler Probe Up

Delay (sec) 5

Autosampler Position (#) Rinse

FIALab2 Injection Valve Sample Inject

Delay (sec) 10 ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

Autosampler Probe Up

Delay (sec) 3 ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse

Delay (sec) 20

Autosampler Probe Up

Delay (sec) 30

FIALab Peristaltic Pump Clockwise(%) 5

Autoexport Report C:\FIALab\autoreport\NOxNO2\DateTime

Message Run is Complete

Method File Location: C:\FIALab\FIALab User Files\Methods\Method_NOx+NO2.fia

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2111362-4
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/06/25 03:32
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Nitrogen, Nitrite	ND	4	3.82	96					80-120	20

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2111365-4
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/06/25 07:25
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Nitrate	4.34	4	8.27	98					83-113	17

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2111367-4
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/06/25 07:25
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Nitrate/Nitrite	4.3	4	8.3	100					80-120	20

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555260-05
 Matrix Spike : WG2111367-6
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/06/25 04:24
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Nitrate/Nitrite	3.3	4	7.0	92					80-120	20

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/06/25 03:28
Dup Sample ID	: WG2111362-3	DUP Analysis Date	: 09/06/25 03:31

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrite	ND	ND	NC	20

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/06/25 03:28
Dup Sample ID	: WG2111365-3	DUP Analysis Date	: 09/06/25 03:29

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate	4.34	4.42	2	17



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/06/25 03:28
Dup Sample ID	: WG2111367-3	DUP Analysis Date	: 09/06/25 03:29

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	4.3	4.4	2	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/06/25 04:22
Dup Sample ID	: WG2111367-5	DUP Analysis Date	: 09/06/25 04:23

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	3.3	3.3	0	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111362-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/06/25 03:13
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrite	5.00	4.76	95.					90-110	20



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111365-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/06/25 03:18
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrate	5.00	4.92	98.					90-110	17



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2111367-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/06/25 03:21
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrate/Nitrite	5.00	4.90	98.					90-110	20



Calculations of Nitrogen, Nitrate

Aqueous Samples:

Compute sample N in NO₃ concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 1 (NO₃+NO₂) and Channel 2 (NO₂)

$$\text{NO}_3 \text{ mg/I} = (\text{NO}_3 + \text{NO}_2) \text{ mg/L} - (\text{NO}_2) \text{ mg/L}$$

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(\text{NO}_3)\text{-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Calculations of Nitrogen, Nitrite

Aqueous Samples:

Compute sample N in NO₂ concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (NO₂)

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(\text{NO}_2)\text{-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:37:07

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	NOx 8.0ppm	RD76	Standard	1	1	1	1	
3	NOx 4.0ppm	RD77	Standard	2	1	1	1	
4	NOx 1.0ppm	RS1	Standard	3	1	1	1	
5	NOx 0.4ppm	RD78	Standard	4	1	1	1	
6	NOx 0.2ppm	RD79	Standard	5	1	1	1	
7	NOx 0.1ppm	RD80	Standard	6	1	1	1	
8	NOx 0.0ppm	RS10	Standard	7	1	1	1	
9	Nitrite 8.0ppm	RD81	Standard	8	1	1	1	
10	Nitrite 4.0ppm	RD82	Standard	9	1	1	1	
11	Nitrite 1.0ppm	RS2	Standard	10	1	1	1	
12	Nitrite 0.4ppm	RD83	Standard	11	1	1	1	
13	Nitrite 0.1ppm	RD84	Standard	13	1	1	1	
14	Nitrite 0.05ppm	RD85	Standard	14	1	1	1	
15	Nitrite 0.0ppm	RS10	Standard	15	1	1	1	
16	CCV NO3	RS1	QC	94	1	1	1	
17	CCV NO2	RS2	QC	95	1	1	1	
18	CCB	RS10	QC	96	1	1	1	
19	ICV NO3 5.0	RA1	QC	90	1	1	1	
20	ICV NO2 5.0	RA2	QC	92	1	1	1	
21	ICV NO3 0.5	RA3	QC	91	1	1	1	
22	ICV NO2 0.5	RA4	QC	93	1	1	1	
23	ICB	RA5	QC	96	1	1	1	
24	Diluter CHK 8PPM	RD1	Unknown	0	1	5	1	
25	BLANK NO3	RA7	Unknown	0	1	1	1	
26	LCS NO3	RA8	Unknown	0	1	1	1	
27	BLANK NO2	RA9	Unknown	0	1	1	1	
28	LCS NO2	RA10	Unknown	0	1	1	1	
29	CCV NO3	RS1	QC	94	1	1	1	
30	CCV NO2	RS2	QC	95	1	1	1	
31	CCB	RS10	QC	96	1	1	1	
32	WG2111361-1	RA11	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
33	WG2111361-2	RA12	Unknown	0	1	1	1	
34	WG2111362/363-1	RA13	Unknown	0	1	1	1	
35	WG2111362/363-2	RA14	Unknown	0	1	1	1	
36	WG2111364-1	RA15	Unknown	0	1	1	1	
37	WG2111364-2	RA16	Unknown	0	1	1	1	
38	WG2111365/363/368-1	RA17	Unknown	0	1	1	1	
39	WG2111365/365/368-2	RA18	Unknown	0	1	1	1	
40	WG2111367-1	RA19	Unknown	0	1	1	1	
41	WG2111367-2	RA20	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	
45	WG2111369-1	RA21	Unknown	0	1	1	1	
46	WG2111369-2	RA22	Unknown	0	1	1	1	
47	L2555605-01N	RA23	Unknown	0	1	1	1	
48	L2555605-02N	RA24	Unknown	0	1	1	1	
49	WG2111365/367-3	RA25	Unknown	0	1	1	1	
50	WG2111365/367-4	RA26	Unknown	0	1	1	1	
51	WG2111362-3	RA27	Unknown	0	1	1	1	
52	WG2111362-4	RA28	Unknown	0	1	1	1	
53	L2zzP605-03N	RA29	Unknown	0	1	1	1	
54	L2555605-04N	RA30	Unknown	0	1	1	1	
55	CCV NO3	RS1	QC	94	1	1	1	
56	CCV NO2	RS2	QC	95	1	1	1	
57	CCB	RS10	QC	96	1	1	1	
58	L2555605-05N	RA31	Unknown	0	1	1	1	
59	L2555605-06N	RA32	Unknown	0	1	1	1	
60	L2555605-07N	RA33	Unknown	0	1	1	1	
61	L2555605-08N	RA34	Unknown	0	1	1	1	
62	L2555382-01A	RA35	Unknown	0	1	1	1	
63	L2555382-02A	RA36	Unknown	0	1	1	1	
64	L2555382-03A	RA37	Unknown	0	1	1	1	
65	L2555382-04A	RA38	Unknown	0	1	1	1	
66	L2555459-01S	RA39	Unknown	0	1	1	1	
67	L2555956-01F	RA40	Unknown	0	1	1	1	
68	CCV NO3	RS1	QC	94	1	1	1	
69	CCV NO2	RS2	QC	95	1	1	1	
70	CCB	RS10	QC	96	1	1	1	
71	WG2111364-3	RA41	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
72	WG2111364-4	RA42	Unknown	0	1	1	1	
73	WG2111361-3	RA43	Unknown	0	1	1	1	
74	WG2111361-4	RA44	Unknown	0	1	1	1	
75	L2555956-02F	RA45	Unknown	0	1	1	1	
76	L2555956-03F	RA46	Unknown	0	1	1	1	
77	L2555956-04F	RA47	Unknown	0	1	1	1	
78	L2555622-01A	RA48	Unknown	0	1	1	1	
79	WG2111366/368-3	RA49	Unknown	0	1	1	1	
80	WG2111366/368-4	RA50	Unknown	0	1	1	1	
81	CCV NO3	RS1	QC	94	1	1	1	
82	CCV NO2	RS2	QC	95	1	1	1	
83	CCB	RS10	QC	96	1	1	1	
84	WG2111363-3	RA51	Unknown	0	1	1	1	
85	WG2111363-4	RA52	Unknown	0	1	1	1	
86	L2555671-01C	RA53	Unknown	0	1	1	1	
87	WG2111369-3	RA54	Unknown	0	1	1	1	
88	WG2111369-4	RA55	Unknown	0	1	1	1	
89	L2555671-02C	RA56	Unknown	0	1	1	1	
90	L2555671-03C	RA57	Unknown	0	1	1	1	
91	L2555671-04C	RA58	Unknown	0	1	1	1	
92	L2555260-01C	RA59	Unknown	0	1	1	1	
93	L2555260-03C	RA60	Unknown	0	1	1	1	
94	CCV NO3	RS1	QC	94	1	1	1	
95	CCV NO2	RS2	QC	95	1	1	1	
96	CCB	RS10	QC	96	1	1	1	
97	L2555260-05C	RA61	Unknown	0	1	1	1	
98	WG2111367-5	RA62	Unknown	0	1	1	1	
99	WG2111367-6	RA63	Unknown	0	1	1	1	
100	L2554370-01L	RA64	Unknown	0	1	1	1	
101	L2554370-02L	RA65	Unknown	0	1	1	1	
102	L2554370-03L	RA66	Unknown	0	1	1	1	
103	L2554370-04L	RA67	Unknown	0	1	1	1	
104	L2554370-05L	RA68	Unknown	0	1	1	1	
105	L2554370-06L	RA69	Unknown	0	1	1	1	
106	L2554370-07L	RA70	Unknown	0	1	1	1	
107	CCV NO3	RS1	QC	94	1	1	1	
108	CCV NO2	RS2	QC	95	1	1	1	
109	CCB	RS10	QC	96	1	1	1	
110	L2554370-08L	RA71	Unknown	0	1	1	1	
111	L2554370-09L	RA72	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
112	L2554370-10L	RA73	Unknown	0	1	1	1	
113	L2554370-11L	RA74	Unknown	0	1	1	1	
114	L2554370-12L	RA75	Unknown	0	1	1	1	
115	L2554785-01A	RA76	Unknown	0	1	1	1	
116	L2554788-02C	RA77	Unknown	0	1	1	1	
117	L2555529-01K	RA78	Unknown	0	1	1	1	
118	L2555569-01E	RA79	Unknown	0	1	1	1	
119	L2555092-01A	RA80	Unknown	0	1	1	1	
120	CCV NO3	RS1	QC	94	1	1	1	
121	CCV NO2	RS2	QC	95	1	1	1	
122	CCB	RS10	QC	96	1	1	1	
123	L2555902-02H	RA81	Unknown	0	1	1	1	
124	L2555951-01D	RA82	Unknown	0	1	1	1	
125	L2555605-03N	RA29	Unknown	0	1	1	1	
126	CCV NO3	RS1	QC	94	1	1	1	
127	CCV NO2	RS2	QC	95	1	1	1	
128	CCB	RS10	QC	96	1	1	1	
129	Unknown1	RA1	Unknown	0	1	1	1	
130	_spacer_	SP0	Unknown	0	1	1	1	
131	_spacer_	RD2	Unknown	0	1	1	1	
132	WG2111362-4	RD3	Unknown	0	1	10	1	
133	WG2111365/367-4	RD4	Unknown	0	1	5	1	
134	CCV NO3	RS1	QC	94	1	1	1	
135	CCV NO2	RS2	QC	95	1	1	1	
136	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIALab\FIALab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:46

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	WG2111365/367-4	RD4	Unknown	0	1	5	1	
6	WG2111400-1	RA83	Unknown	0	1	1	1	
7	WG2111400-2	RA84	Unknown	0	1	1	1	
8	WG2111401-1	RA85	Unknown	0	1	1	1	
9	WG2111401-2	RA86	Unknown	0	1	1	1	
10	L2554780-02A	RA87	Unknown	0	1	1	1	
11	WG2111400-3	RA88	Unknown	0	1	1	1	
12	WG2111400-4	RA89	Unknown	0	1	1	1	
13	L2554800-01A	RA90	Unknown	0	1	1	1	
14	L2554949-01A	RB1	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2554949-02A	RB2	Unknown	0	1	1	1	
19	L2555006-01A	RB3	Unknown	0	1	1	1	
20	L2555051-02A	RB4	Unknown	0	1	1	1	
21	L2555051-04A	RB5	Unknown	0	1	1	1	
22	L2555051-07A	RB6	Unknown	0	1	1	1	
23	L2555094-01A	RB7	Unknown	0	1	1	1	
24	WG2111400-5	RB8	Unknown	0	1	1	1	
25	WG2111400-6	RB9	Unknown	0	1	1	1	
26	L2555094-02B	RB10	Unknown	0	1	1	1	
27	L2555509-02B	RB11	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2555509-03B	RB12	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	CCV NO3	RS1	QC	94	1	1	1	
33	CCV NO2	RS2	QC	95	1	1	1	
34	CCB	RS10	QC	96	1	1	1	
35	_spacer_	SP0	Unknown	0	1	1	1	
36	_spacer_	SP0	Unknown	0	1	1	1	
37	WG2111400-4	RD5	Unknown	0	1	10	1	
38	L2554800-01A	RD6	Unknown	0	1	10	1	
39	L2555094-02B	RD7	Unknown	0	1	10	1	
40	L2554949-01A	RB1	Unknown	0	1	1	1	
41	L2555509-02B	RB11	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 09:46:33

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-094602.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	L2555910-03P	RB13	Unknown	0	1	1	1	
6	WG2111432-3	RB14	Unknown	0	1	1	1	
7	WG2111432-4	RB15	Unknown	0	1	1	1	
8	WG2111430-3	RB16	Unknown	0	1	1	1	
9	WG2111430-4	RB17	Unknown	0	1	1	1	
10	L2555910-05P; MTX	RD8	Unknown	0	1	5	1	
11	L2555848-01J	RB19	Unknown	0	1	1	1	
12	L2555938-01N	RB20	Unknown	0	1	1	1	
13	L2555938-02N	RB21	Unknown	0	1	1	1	
14	L2555938-03N	RB22	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2555938-04N	RB23	Unknown	0	1	1	1	
19	L2555938-05N	RB24	Unknown	0	1	1	1	
20	L2556025-01E	RB25	Unknown	0	1	1	1	
21	WG2111401-3	RB26	Unknown	0	1	1	1	
22	WG2111401-4	RB27	Unknown	0	1	1	1	
23	L2556025-02E	RB28	Unknown	0	1	1	1	
24	L2556025-03E	RB29	Unknown	0	1	1	1	
25	L2556025-04E	RB30	Unknown	0	1	1	1	
26	L2556025-05E	RB31	Unknown	0	1	1	1	
27	L2556025-06E	RB32	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2556025-07E	RB33	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	L2554790-01B	RB34	Unknown	0	1	1	1	
33	L2554790-02C	RB35	Unknown	0	1	1	1	
34	L2554994-01C	RB36	Unknown	0	1	1	1	
35	L2554994-03C	RB37	Unknown	0	1	1	1	
36	L2554994-05C	RB38	Unknown	0	1	1	1	
37	L2554994-07C	RB39	Unknown	0	1	1	1	
38	L2554994-09C	RB40	Unknown	0	1	1	1	
39	L2555775-01A	RB41	Unknown	0	1	1	1	
40	L2555775-02A	RB42	Unknown	0	1	1	1	
41	CCV NO3	RS1	QC	94	1	1	1	
42	CCV NO2	RS2	QC	95	1	1	1	
43	CCB	RS10	QC	96	1	1	1	
44	L2555777-01A	RB43	Unknown	0	1	1	1	
45	L2555777-02A	RB44	Unknown	0	1	1	1	
46	L2554994-09C	RB40	Unknown	0	1	1	1	
47	CCV NO3	RS1	QC	94	1	1	1	
48	CCV NO2	RS2	QC	95	1	1	1	
49	CCB	RS10	QC	96	1	1	1	
50	_spacer_	SP0	Unknown	0	1	1	1	
51	_spacer_	SP0	Unknown	0	1	1	1	
52	L2554994-07C	RD9	Unknown	0	1	10	1	
53	CCV NO3	RS1	QC	94	1	1	1	
54	CCV NO2	RS2	QC	95	1	1	1	
55	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIALab\FIALab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:37:07

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	NOx 8.0ppm	RD76	Standard	1	1	1	1	
3	NOx 4.0ppm	RD77	Standard	2	1	1	1	
4	NOx 1.0ppm	RS1	Standard	3	1	1	1	
5	NOx 0.4ppm	RD78	Standard	4	1	1	1	
6	NOx 0.2ppm	RD79	Standard	5	1	1	1	
7	NOx 0.1ppm	RD80	Standard	6	1	1	1	
8	NOx 0.0ppm	RS10	Standard	7	1	1	1	
9	Nitrite 8.0ppm	RD81	Standard	8	1	1	1	
10	Nitrite 4.0ppm	RD82	Standard	9	1	1	1	
11	Nitrite 1.0ppm	RS2	Standard	10	1	1	1	
12	Nitrite 0.4ppm	RD83	Standard	11	1	1	1	
13	Nitrite 0.1ppm	RD84	Standard	13	1	1	1	
14	Nitrite 0.05ppm	RD85	Standard	14	1	1	1	
15	Nitrite 0.0ppm	RS10	Standard	15	1	1	1	
16	CCV NO3	RS1	QC	94	1	1	1	
17	CCV NO2	RS2	QC	95	1	1	1	
18	CCB	RS10	QC	96	1	1	1	
19	ICV NO3 5.0	RA1	QC	90	1	1	1	
20	ICV NO2 5.0	RA2	QC	92	1	1	1	
21	ICV NO3 0.5	RA3	QC	91	1	1	1	
22	ICV NO2 0.5	RA4	QC	93	1	1	1	
23	ICB	RA5	QC	96	1	1	1	
24	Diluter CHK 8PPM	RD1	Unknown	0	1	5	1	
25	BLANK NO3	RA7	Unknown	0	1	1	1	
26	LCS NO3	RA8	Unknown	0	1	1	1	
27	BLANK NO2	RA9	Unknown	0	1	1	1	
28	LCS NO2	RA10	Unknown	0	1	1	1	
29	CCV NO3	RS1	QC	94	1	1	1	
30	CCV NO2	RS2	QC	95	1	1	1	
31	CCB	RS10	QC	96	1	1	1	
32	WG2111361-1	RA11	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
33	WG2111361-2	RA12	Unknown	0	1	1	1	
34	WG2111362/363-1	RA13	Unknown	0	1	1	1	
35	WG2111362/363-2	RA14	Unknown	0	1	1	1	
36	WG2111364-1	RA15	Unknown	0	1	1	1	
37	WG2111364-2	RA16	Unknown	0	1	1	1	
38	WG2111365/363/368-1	RA17	Unknown	0	1	1	1	
39	WG2111365/365/368-2	RA18	Unknown	0	1	1	1	
40	WG2111367-1	RA19	Unknown	0	1	1	1	
41	WG2111367-2	RA20	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	
45	WG2111369-1	RA21	Unknown	0	1	1	1	
46	WG2111369-2	RA22	Unknown	0	1	1	1	
47	L2555605-01N	RA23	Unknown	0	1	1	1	
48	L2555605-02N	RA24	Unknown	0	1	1	1	
49	WG2111365/367-3	RA25	Unknown	0	1	1	1	
50	WG2111365/367-4	RA26	Unknown	0	1	1	1	
51	WG2111362-3	RA27	Unknown	0	1	1	1	
52	WG2111362-4	RA28	Unknown	0	1	1	1	
53	L2zzP605-03N	RA29	Unknown	0	1	1	1	
54	L2555605-04N	RA30	Unknown	0	1	1	1	
55	CCV NO3	RS1	QC	94	1	1	1	
56	CCV NO2	RS2	QC	95	1	1	1	
57	CCB	RS10	QC	96	1	1	1	
58	L2555605-05N	RA31	Unknown	0	1	1	1	
59	L2555605-06N	RA32	Unknown	0	1	1	1	
60	L2555605-07N	RA33	Unknown	0	1	1	1	
61	L2555605-08N	RA34	Unknown	0	1	1	1	
62	L2555382-01A	RA35	Unknown	0	1	1	1	
63	L2555382-02A	RA36	Unknown	0	1	1	1	
64	L2555382-03A	RA37	Unknown	0	1	1	1	
65	L2555382-04A	RA38	Unknown	0	1	1	1	
66	L2555459-01S	RA39	Unknown	0	1	1	1	
67	L2555956-01F	RA40	Unknown	0	1	1	1	
68	CCV NO3	RS1	QC	94	1	1	1	
69	CCV NO2	RS2	QC	95	1	1	1	
70	CCB	RS10	QC	96	1	1	1	
71	WG2111364-3	RA41	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
72	WG2111364-4	RA42	Unknown	0	1	1	1	
73	WG2111361-3	RA43	Unknown	0	1	1	1	
74	WG2111361-4	RA44	Unknown	0	1	1	1	
75	L2555956-02F	RA45	Unknown	0	1	1	1	
76	L2555956-03F	RA46	Unknown	0	1	1	1	
77	L2555956-04F	RA47	Unknown	0	1	1	1	
78	L2555622-01A	RA48	Unknown	0	1	1	1	
79	WG2111366/368-3	RA49	Unknown	0	1	1	1	
80	WG2111366/368-4	RA50	Unknown	0	1	1	1	
81	CCV NO3	RS1	QC	94	1	1	1	
82	CCV NO2	RS2	QC	95	1	1	1	
83	CCB	RS10	QC	96	1	1	1	
84	WG2111363-3	RA51	Unknown	0	1	1	1	
85	WG2111363-4	RA52	Unknown	0	1	1	1	
86	L2555671-01C	RA53	Unknown	0	1	1	1	
87	WG2111369-3	RA54	Unknown	0	1	1	1	
88	WG2111369-4	RA55	Unknown	0	1	1	1	
89	L2555671-02C	RA56	Unknown	0	1	1	1	
90	L2555671-03C	RA57	Unknown	0	1	1	1	
91	L2555671-04C	RA58	Unknown	0	1	1	1	
92	L2555260-01C	RA59	Unknown	0	1	1	1	
93	L2555260-03C	RA60	Unknown	0	1	1	1	
94	CCV NO3	RS1	QC	94	1	1	1	
95	CCV NO2	RS2	QC	95	1	1	1	
96	CCB	RS10	QC	96	1	1	1	
97	L2555260-05C	RA61	Unknown	0	1	1	1	
98	WG2111367-5	RA62	Unknown	0	1	1	1	
99	WG2111367-6	RA63	Unknown	0	1	1	1	
100	L2554370-01L	RA64	Unknown	0	1	1	1	
101	L2554370-02L	RA65	Unknown	0	1	1	1	
102	L2554370-03L	RA66	Unknown	0	1	1	1	
103	L2554370-04L	RA67	Unknown	0	1	1	1	
104	L2554370-05L	RA68	Unknown	0	1	1	1	
105	L2554370-06L	RA69	Unknown	0	1	1	1	
106	L2554370-07L	RA70	Unknown	0	1	1	1	
107	CCV NO3	RS1	QC	94	1	1	1	
108	CCV NO2	RS2	QC	95	1	1	1	
109	CCB	RS10	QC	96	1	1	1	
110	L2554370-08L	RA71	Unknown	0	1	1	1	
111	L2554370-09L	RA72	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
112	L2554370-10L	RA73	Unknown	0	1	1	1	
113	L2554370-11L	RA74	Unknown	0	1	1	1	
114	L2554370-12L	RA75	Unknown	0	1	1	1	
115	L2554785-01A	RA76	Unknown	0	1	1	1	
116	L2554788-02C	RA77	Unknown	0	1	1	1	
117	L2555529-01K	RA78	Unknown	0	1	1	1	
118	L2555569-01E	RA79	Unknown	0	1	1	1	
119	L2555092-01A	RA80	Unknown	0	1	1	1	
120	CCV NO3	RS1	QC	94	1	1	1	
121	CCV NO2	RS2	QC	95	1	1	1	
122	CCB	RS10	QC	96	1	1	1	
123	L2555902-02H	RA81	Unknown	0	1	1	1	
124	L2555951-01D	RA82	Unknown	0	1	1	1	
125	L2555605-03N	RA29	Unknown	0	1	1	1	
126	CCV NO3	RS1	QC	94	1	1	1	
127	CCV NO2	RS2	QC	95	1	1	1	
128	CCB	RS10	QC	96	1	1	1	
129	Unknown1	RA1	Unknown	0	1	1	1	
130	_spacer_	SP0	Unknown	0	1	1	1	
131	_spacer_	RD2	Unknown	0	1	1	1	
132	WG2111362-4	RD3	Unknown	0	1	10	1	
133	WG2111365/367-4	RD4	Unknown	0	1	5	1	
134	CCV NO3	RS1	QC	94	1	1	1	
135	CCV NO2	RS2	QC	95	1	1	1	
136	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIALab\FIALab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:46

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	WG2111365/367-4	RD4	Unknown	0	1	5	1	
6	WG2111400-1	RA83	Unknown	0	1	1	1	
7	WG2111400-2	RA84	Unknown	0	1	1	1	
8	WG2111401-1	RA85	Unknown	0	1	1	1	
9	WG2111401-2	RA86	Unknown	0	1	1	1	
10	L2554780-02A	RA87	Unknown	0	1	1	1	
11	WG2111400-3	RA88	Unknown	0	1	1	1	
12	WG2111400-4	RA89	Unknown	0	1	1	1	
13	L2554800-01A	RA90	Unknown	0	1	1	1	
14	L2554949-01A	RB1	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2554949-02A	RB2	Unknown	0	1	1	1	
19	L2555006-01A	RB3	Unknown	0	1	1	1	
20	L2555051-02A	RB4	Unknown	0	1	1	1	
21	L2555051-04A	RB5	Unknown	0	1	1	1	
22	L2555051-07A	RB6	Unknown	0	1	1	1	
23	L2555094-01A	RB7	Unknown	0	1	1	1	
24	WG2111400-5	RB8	Unknown	0	1	1	1	
25	WG2111400-6	RB9	Unknown	0	1	1	1	
26	L2555094-02B	RB10	Unknown	0	1	1	1	
27	L2555509-02B	RB11	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2555509-03B	RB12	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	CCV NO3	RS1	QC	94	1	1	1	
33	CCV NO2	RS2	QC	95	1	1	1	
34	CCB	RS10	QC	96	1	1	1	
35	_spacer_	SP0	Unknown	0	1	1	1	
36	_spacer_	SP0	Unknown	0	1	1	1	
37	WG2111400-4	RD5	Unknown	0	1	10	1	
38	L2554800-01A	RD6	Unknown	0	1	10	1	
39	L2555094-02B	RD7	Unknown	0	1	10	1	
40	L2554949-01A	RB1	Unknown	0	1	1	1	
41	L2555509-02B	RB11	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 09:46:33

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-094602.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	L2555910-03P	RB13	Unknown	0	1	1	1	
6	WG2111432-3	RB14	Unknown	0	1	1	1	
7	WG2111432-4	RB15	Unknown	0	1	1	1	
8	WG2111430-3	RB16	Unknown	0	1	1	1	
9	WG2111430-4	RB17	Unknown	0	1	1	1	
10	L2555910-05P; MTX	RD8	Unknown	0	1	5	1	
11	L2555848-01J	RB19	Unknown	0	1	1	1	
12	L2555938-01N	RB20	Unknown	0	1	1	1	
13	L2555938-02N	RB21	Unknown	0	1	1	1	
14	L2555938-03N	RB22	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2555938-04N	RB23	Unknown	0	1	1	1	
19	L2555938-05N	RB24	Unknown	0	1	1	1	
20	L2556025-01E	RB25	Unknown	0	1	1	1	
21	WG2111401-3	RB26	Unknown	0	1	1	1	
22	WG2111401-4	RB27	Unknown	0	1	1	1	
23	L2556025-02E	RB28	Unknown	0	1	1	1	
24	L2556025-03E	RB29	Unknown	0	1	1	1	
25	L2556025-04E	RB30	Unknown	0	1	1	1	
26	L2556025-05E	RB31	Unknown	0	1	1	1	
27	L2556025-06E	RB32	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2556025-07E	RB33	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	L2554790-01B	RB34	Unknown	0	1	1	1	
33	L2554790-02C	RB35	Unknown	0	1	1	1	
34	L2554994-01C	RB36	Unknown	0	1	1	1	
35	L2554994-03C	RB37	Unknown	0	1	1	1	
36	L2554994-05C	RB38	Unknown	0	1	1	1	
37	L2554994-07C	RB39	Unknown	0	1	1	1	
38	L2554994-09C	RB40	Unknown	0	1	1	1	
39	L2555775-01A	RB41	Unknown	0	1	1	1	
40	L2555775-02A	RB42	Unknown	0	1	1	1	
41	CCV NO3	RS1	QC	94	1	1	1	
42	CCV NO2	RS2	QC	95	1	1	1	
43	CCB	RS10	QC	96	1	1	1	
44	L2555777-01A	RB43	Unknown	0	1	1	1	
45	L2555777-02A	RB44	Unknown	0	1	1	1	
46	L2554994-09C	RB40	Unknown	0	1	1	1	
47	CCV NO3	RS1	QC	94	1	1	1	
48	CCV NO2	RS2	QC	95	1	1	1	
49	CCB	RS10	QC	96	1	1	1	
50	_spacer_	SP0	Unknown	0	1	1	1	
51	_spacer_	SP0	Unknown	0	1	1	1	
52	L2554994-07C	RD9	Unknown	0	1	10	1	
53	CCV NO3	RS1	QC	94	1	1	1	
54	CCV NO2	RS2	QC	95	1	1	1	
55	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIALab\FIALab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 06:37:07

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-063630.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	NOx 8.0ppm	RD76	Standard	1	1	1	1	
3	NOx 4.0ppm	RD77	Standard	2	1	1	1	
4	NOx 1.0ppm	RS1	Standard	3	1	1	1	
5	NOx 0.4ppm	RD78	Standard	4	1	1	1	
6	NOx 0.2ppm	RD79	Standard	5	1	1	1	
7	NOx 0.1ppm	RD80	Standard	6	1	1	1	
8	NOx 0.0ppm	RS10	Standard	7	1	1	1	
9	Nitrite 8.0ppm	RD81	Standard	8	1	1	1	
10	Nitrite 4.0ppm	RD82	Standard	9	1	1	1	
11	Nitrite 1.0ppm	RS2	Standard	10	1	1	1	
12	Nitrite 0.4ppm	RD83	Standard	11	1	1	1	
13	Nitrite 0.1ppm	RD84	Standard	13	1	1	1	
14	Nitrite 0.05ppm	RD85	Standard	14	1	1	1	
15	Nitrite 0.0ppm	RS10	Standard	15	1	1	1	
16	CCV NO3	RS1	QC	94	1	1	1	
17	CCV NO2	RS2	QC	95	1	1	1	
18	CCB	RS10	QC	96	1	1	1	
19	ICV NO3 5.0	RA1	QC	90	1	1	1	
20	ICV NO2 5.0	RA2	QC	92	1	1	1	
21	ICV NO3 0.5	RA3	QC	91	1	1	1	
22	ICV NO2 0.5	RA4	QC	93	1	1	1	
23	ICB	RA5	QC	96	1	1	1	
24	Diluter CHK 8PPM	RD1	Unknown	0	1	5	1	
25	BLANK NO3	RA7	Unknown	0	1	1	1	
26	LCS NO3	RA8	Unknown	0	1	1	1	
27	BLANK NO2	RA9	Unknown	0	1	1	1	
28	LCS NO2	RA10	Unknown	0	1	1	1	
29	CCV NO3	RS1	QC	94	1	1	1	
30	CCV NO2	RS2	QC	95	1	1	1	
31	CCB	RS10	QC	96	1	1	1	
32	WG2111361-1	RA11	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
33	WG2111361-2	RA12	Unknown	0	1	1	1	
34	WG2111362/363-1	RA13	Unknown	0	1	1	1	
35	WG2111362/363-2	RA14	Unknown	0	1	1	1	
36	WG2111364-1	RA15	Unknown	0	1	1	1	
37	WG2111364-2	RA16	Unknown	0	1	1	1	
38	WG2111365/363/368-1	RA17	Unknown	0	1	1	1	
39	WG2111365/365/368-2	RA18	Unknown	0	1	1	1	
40	WG2111367-1	RA19	Unknown	0	1	1	1	
41	WG2111367-2	RA20	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	
45	WG2111369-1	RA21	Unknown	0	1	1	1	
46	WG2111369-2	RA22	Unknown	0	1	1	1	
47	L2555605-01N	RA23	Unknown	0	1	1	1	
48	L2555605-02N	RA24	Unknown	0	1	1	1	
49	WG2111365/367-3	RA25	Unknown	0	1	1	1	
50	WG2111365/367-4	RA26	Unknown	0	1	1	1	
51	WG2111362-3	RA27	Unknown	0	1	1	1	
52	WG2111362-4	RA28	Unknown	0	1	1	1	
53	L2zzP605-03N	RA29	Unknown	0	1	1	1	
54	L2555605-04N	RA30	Unknown	0	1	1	1	
55	CCV NO3	RS1	QC	94	1	1	1	
56	CCV NO2	RS2	QC	95	1	1	1	
57	CCB	RS10	QC	96	1	1	1	
58	L2555605-05N	RA31	Unknown	0	1	1	1	
59	L2555605-06N	RA32	Unknown	0	1	1	1	
60	L2555605-07N	RA33	Unknown	0	1	1	1	
61	L2555605-08N	RA34	Unknown	0	1	1	1	
62	L2555382-01A	RA35	Unknown	0	1	1	1	
63	L2555382-02A	RA36	Unknown	0	1	1	1	
64	L2555382-03A	RA37	Unknown	0	1	1	1	
65	L2555382-04A	RA38	Unknown	0	1	1	1	
66	L2555459-01S	RA39	Unknown	0	1	1	1	
67	L2555956-01F	RA40	Unknown	0	1	1	1	
68	CCV NO3	RS1	QC	94	1	1	1	
69	CCV NO2	RS2	QC	95	1	1	1	
70	CCB	RS10	QC	96	1	1	1	
71	WG2111364-3	RA41	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
72	WG2111364-4	RA42	Unknown	0	1	1	1	
73	WG2111361-3	RA43	Unknown	0	1	1	1	
74	WG2111361-4	RA44	Unknown	0	1	1	1	
75	L2555956-02F	RA45	Unknown	0	1	1	1	
76	L2555956-03F	RA46	Unknown	0	1	1	1	
77	L2555956-04F	RA47	Unknown	0	1	1	1	
78	L2555622-01A	RA48	Unknown	0	1	1	1	
79	WG2111366/368-3	RA49	Unknown	0	1	1	1	
80	WG2111366/368-4	RA50	Unknown	0	1	1	1	
81	CCV NO3	RS1	QC	94	1	1	1	
82	CCV NO2	RS2	QC	95	1	1	1	
83	CCB	RS10	QC	96	1	1	1	
84	WG2111363-3	RA51	Unknown	0	1	1	1	
85	WG2111363-4	RA52	Unknown	0	1	1	1	
86	L2555671-01C	RA53	Unknown	0	1	1	1	
87	WG2111369-3	RA54	Unknown	0	1	1	1	
88	WG2111369-4	RA55	Unknown	0	1	1	1	
89	L2555671-02C	RA56	Unknown	0	1	1	1	
90	L2555671-03C	RA57	Unknown	0	1	1	1	
91	L2555671-04C	RA58	Unknown	0	1	1	1	
92	L2555260-01C	RA59	Unknown	0	1	1	1	
93	L2555260-03C	RA60	Unknown	0	1	1	1	
94	CCV NO3	RS1	QC	94	1	1	1	
95	CCV NO2	RS2	QC	95	1	1	1	
96	CCB	RS10	QC	96	1	1	1	
97	L2555260-05C	RA61	Unknown	0	1	1	1	
98	WG2111367-5	RA62	Unknown	0	1	1	1	
99	WG2111367-6	RA63	Unknown	0	1	1	1	
100	L2554370-01L	RA64	Unknown	0	1	1	1	
101	L2554370-02L	RA65	Unknown	0	1	1	1	
102	L2554370-03L	RA66	Unknown	0	1	1	1	
103	L2554370-04L	RA67	Unknown	0	1	1	1	
104	L2554370-05L	RA68	Unknown	0	1	1	1	
105	L2554370-06L	RA69	Unknown	0	1	1	1	
106	L2554370-07L	RA70	Unknown	0	1	1	1	
107	CCV NO3	RS1	QC	94	1	1	1	
108	CCV NO2	RS2	QC	95	1	1	1	
109	CCB	RS10	QC	96	1	1	1	
110	L2554370-08L	RA71	Unknown	0	1	1	1	
111	L2554370-09L	RA72	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
112	L2554370-10L	RA73	Unknown	0	1	1	1	
113	L2554370-11L	RA74	Unknown	0	1	1	1	
114	L2554370-12L	RA75	Unknown	0	1	1	1	
115	L2554785-01A	RA76	Unknown	0	1	1	1	
116	L2554788-02C	RA77	Unknown	0	1	1	1	
117	L255529-01K	RA78	Unknown	0	1	1	1	
118	L2555569-01E	RA79	Unknown	0	1	1	1	
119	L2555092-01A	RA80	Unknown	0	1	1	1	
120	CCV NO3	RS1	QC	94	1	1	1	
121	CCV NO2	RS2	QC	95	1	1	1	
122	CCB	RS10	QC	96	1	1	1	
123	L2555902-02H	RA81	Unknown	0	1	1	1	
124	L2555951-01D	RA82	Unknown	0	1	1	1	
125	L2555605-03N	RA29	Unknown	0	1	1	1	
126	CCV NO3	RS1	QC	94	1	1	1	
127	CCV NO2	RS2	QC	95	1	1	1	
128	CCB	RS10	QC	96	1	1	1	
129	Unknown1	RA1	Unknown	0	1	1	1	
130	_spacer_	SP0	Unknown	0	1	1	1	
131	_spacer_	RD2	Unknown	0	1	1	1	
132	WG2111362-4	RD3	Unknown	0	1	10	1	
133	WG2111365/367-4	RD4	Unknown	0	1	5	1	
134	CCV NO3	RS1	QC	94	1	1	1	
135	CCV NO2	RS2	QC	95	1	1	1	
136	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 08:20:46

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-082019.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	WG2111365/367-4	RD4	Unknown	0	1	5	1	
6	WG2111400-1	RA83	Unknown	0	1	1	1	
7	WG2111400-2	RA84	Unknown	0	1	1	1	
8	WG2111401-1	RA85	Unknown	0	1	1	1	
9	WG2111401-2	RA86	Unknown	0	1	1	1	
10	L2554780-02A	RA87	Unknown	0	1	1	1	
11	WG2111400-3	RA88	Unknown	0	1	1	1	
12	WG2111400-4	RA89	Unknown	0	1	1	1	
13	L2554800-01A	RA90	Unknown	0	1	1	1	
14	L2554949-01A	RB1	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2554949-02A	RB2	Unknown	0	1	1	1	
19	L2555006-01A	RB3	Unknown	0	1	1	1	
20	L2555051-02A	RB4	Unknown	0	1	1	1	
21	L2555051-04A	RB5	Unknown	0	1	1	1	
22	L2555051-07A	RB6	Unknown	0	1	1	1	
23	L2555094-01A	RB7	Unknown	0	1	1	1	
24	WG2111400-5	RB8	Unknown	0	1	1	1	
25	WG2111400-6	RB9	Unknown	0	1	1	1	
26	L2555094-02B	RB10	Unknown	0	1	1	1	
27	L2555509-02B	RB11	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2555509-03B	RB12	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	CCV NO3	RS1	QC	94	1	1	1	
33	CCV NO2	RS2	QC	95	1	1	1	
34	CCB	RS10	QC	96	1	1	1	
35	_spacer_	SP0	Unknown	0	1	1	1	
36	_spacer_	SP0	Unknown	0	1	1	1	
37	WG2111400-4	RD5	Unknown	0	1	10	1	
38	L2554800-01A	RD6	Unknown	0	1	10	1	
39	L2555094-02B	RD7	Unknown	0	1	10	1	
40	L2554949-01A	RB1	Unknown	0	1	1	1	
41	L2555509-02B	RB11	Unknown	0	1	1	1	
42	CCV NO3	RS1	QC	94	1	1	1	
43	CCV NO2	RS2	QC	95	1	1	1	
44	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIAlab\FIAlab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Graphical report generated by FIAsoft v3.1.10

Report generated on 2025-09-06 09:46:33

Data file (.dat): C:\FIALab\Autosave Data\2025-09-06-094602.dat

Dataset Notes:

Analyst	
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Dataset Notes Table Location: C:\FIALab\FIALab User Files\Tables\Dataset Notes\Analyst.csv

Sample Table:

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
1	Stabil	RS10	Unknown	0	1	1	1	
2	CCV NO3	RS1	QC	94	1	1	1	
3	CCV NO2	RS2	QC	95	1	1	1	
4	CCB	RS10	QC	96	1	1	1	
5	L2555910-03P	RB13	Unknown	0	1	1	1	
6	WG2111432-3	RB14	Unknown	0	1	1	1	
7	WG2111432-4	RB15	Unknown	0	1	1	1	
8	WG2111430-3	RB16	Unknown	0	1	1	1	
9	WG2111430-4	RB17	Unknown	0	1	1	1	
10	L2555910-05P; MTX	RD8	Unknown	0	1	5	1	
11	L2555848-01J	RB19	Unknown	0	1	1	1	
12	L2555938-01N	RB20	Unknown	0	1	1	1	
13	L2555938-02N	RB21	Unknown	0	1	1	1	
14	L2555938-03N	RB22	Unknown	0	1	1	1	
15	CCV NO3	RS1	QC	94	1	1	1	
16	CCV NO2	RS2	QC	95	1	1	1	
17	CCB	RS10	QC	96	1	1	1	
18	L2555938-04N	RB23	Unknown	0	1	1	1	
19	L2555938-05N	RB24	Unknown	0	1	1	1	
20	L2556025-01E	RB25	Unknown	0	1	1	1	
21	WG2111401-3	RB26	Unknown	0	1	1	1	
22	WG2111401-4	RB27	Unknown	0	1	1	1	
23	L2556025-02E	RB28	Unknown	0	1	1	1	
24	L2556025-03E	RB29	Unknown	0	1	1	1	
25	L2556025-04E	RB30	Unknown	0	1	1	1	
26	L2556025-05E	RB31	Unknown	0	1	1	1	
27	L2556025-06E	RB32	Unknown	0	1	1	1	
28	CCV NO3	RS1	QC	94	1	1	1	
29	CCV NO2	RS2	QC	95	1	1	1	
30	CCB	RS10	QC	96	1	1	1	
31	L2556025-07E	RB33	Unknown	0	1	1	1	

Injection No	Sample Name	Rack Position	Sample Type	Level	MDF	ADF	Weight	Comment
32	L2554790-01B	RB34	Unknown	0	1	1	1	
33	L2554790-02C	RB35	Unknown	0	1	1	1	
34	L2554994-01C	RB36	Unknown	0	1	1	1	
35	L2554994-03C	RB37	Unknown	0	1	1	1	
36	L2554994-05C	RB38	Unknown	0	1	1	1	
37	L2554994-07C	RB39	Unknown	0	1	1	1	
38	L2554994-09C	RB40	Unknown	0	1	1	1	
39	L2555775-01A	RB41	Unknown	0	1	1	1	
40	L2555775-02A	RB42	Unknown	0	1	1	1	
41	CCV NO3	RS1	QC	94	1	1	1	
42	CCV NO2	RS2	QC	95	1	1	1	
43	CCB	RS10	QC	96	1	1	1	
44	L2555777-01A	RB43	Unknown	0	1	1	1	
45	L2555777-02A	RB44	Unknown	0	1	1	1	
46	L2554994-09C	RB40	Unknown	0	1	1	1	
47	CCV NO3	RS1	QC	94	1	1	1	
48	CCV NO2	RS2	QC	95	1	1	1	
49	CCB	RS10	QC	96	1	1	1	
50	_spacer_	SP0	Unknown	0	1	1	1	
51	_spacer_	SP0	Unknown	0	1	1	1	
52	L2554994-07C	RD9	Unknown	0	1	10	1	
53	CCV NO3	RS1	QC	94	1	1	1	
54	CCV NO2	RS2	QC	95	1	1	1	
55	CCB	RS10	QC	96	1	1	1	

Sample Table Location: C:\FIALab\FIALab User Files\Tables\Sample Tables\QC bracket NOxNO2.csv

Total Dissolved Solids Analysis

Results

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 01:56
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2112187.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	390	13	4.0	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 01:56
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2112187.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	120	13	4.0	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 01:56
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2112187.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	59.	13	4.0	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 01:56
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2112187.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	110	13	4.0	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 01:56
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2112187.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	180	13	4.0	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112187-1
Client ID : WG2112187-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2112187.pdf
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/09/25 01:56
Dilution Factor : 1
Analyst : DEW
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	8.0	10	3.1	J



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112187-3
Client ID : MW-13SDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540C
Lab File ID : WG2112187.pdf
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/05/25 09:00
Date Received : 09/05/25
Date Analyzed : 09/09/25 01:56
Dilution Factor : 1.3
Analyst : DEW
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	300	13	4.0	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: WG2112187-4	Date Collected	: 09/05/25 08:55
Client ID	: MW-13DDUP	Date Received	: 09/05/25
Sample Location	:	Date Analyzed	: 09/09/25 01:56
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2112187.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	360	13	4.0	



Sample Raw Data

Page 3138 of 3595

WorkGroup	WG2112187	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	LCS Lot #	082025B	TrueValue	500	Units	mg/l
Title	Solids, Total Dissolved	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180						
Method	SM2540C	Time In	10-SEP-25 16:30	Time In	11-SEP-25 04:05	Time In	11-SEP-25 06:28	Time In	11-SEP-25 08:24						
Instrument	BALANCE#22	Time Out	11-SEP-25 02:45	Time Out	11-SEP-25 06:13	Time Out	11-SEP-25 08:24	Time Out							
		Temp In (C)	90	Temp In (C)	09-SEP-25 09:50										
Sample #	Analysis Date	Analyst	Cup ID	Sample Volume (ml)						Result mg/L	Dil	Comment			

Quality Control

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-13S	Matrix	: WATER
Lab Sample ID	: L2555938-01	Analysis Date	: 09/09/25 01:56
Dup Sample ID	: WG2112187-3	DUP Analysis Date	: 09/09/25 01:56

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	390	300	26 Q	10



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-13D	Matrix	: WATER
Lab Sample ID	: L2555938-02	Analysis Date	: 09/09/25 01:56
Dup Sample ID	: WG2112187-4	DUP Analysis Date	: 09/09/25 01:56

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	120	360	100 Q	10

Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112187-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/09/25 01:56
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Solids, Total Dissolved	500.	530.	107.					80-120	10



Calculations of TDS

$$\text{mgTDS/L} = \frac{(A - B) \times 1000}{\text{Sample volume, (L)}}$$

Where:

A = Final weight (weight of dish + dried residue, g)

B = Initial weight (weight of clean dish, g)

Sulfate Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112474.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	28.	25	3.4	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112474.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	13.	10	1.4	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112474.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	4.3	10	1.4	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112474.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	20.	10	1.4	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2112474.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	12.	10	1.4	



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112474-1
Client ID : WG2112474-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2112474.csv
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/09/25 14:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	2.2	10	1.4	J



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112474-3
Client ID : WG2112474-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500SO4-E
Lab File ID : WG2112474.csv
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:45
Date Received : 09/04/25
Date Analyzed : 09/09/25 14:30
Dilution Factor : 1
Analyst : MRW
Instrument ID : SPEC6
%Solids : N/A
Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	16.	10	1.4	



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3646
LCS;WC-3587
Reagent;lot A4230

Sample Number: _____ Product: SO4-4500
Curve Calibration Date : 09/09/25
Client: _____ Curve Identifier: 9/9/2025
Analysis: Sulfate, SO4 Analysis Analyte: Sulfate
Method: SM 4500SO4-E Analysis Date: 9/9/2025 14:30
Instrument: SPEC6 Preparation Date: 9/9/2025 14:30
Wavelength: 420 nm Technician: MRW
Spike Volume(ml): 0.5 Work group: WG2112474
Spike Concentration (mg/l): 1000 RL: 10 mg/l
Cell: 2.5 cm

Standard ID		Mean signal (pk area) abs	Dilution	Calc-ed Result	Calibration Curve Volume: 25 ml	
0		0.000	1.0	1.78	Slope	y-intercept
10		0.140	1.0	8.71	0.020200	-0.036
20		0.335	1.0	18.4	Correlation Coefficient 0.995010	
40		0.795	1.0	41.1		
ICV/LCS Concentration (mg/l) = 20.0000						

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0.005	0.005	2.184	1	1.0	2.2	Recovery
	ICV	25	25	0	0.377	0.377	20.416	1	1.0	20.4	102%
SAMP	L2554996-01	25	25	0.002	0.223	0.221	12.770	1	1.0	12.8	
	L2555127-01	5	25	0.049	0.731	0.682	35.365	1	5.0	176.8	FILTERED
SAMP	L2555196-01	25	25	0.028	0.114	0.086	6.154	1	1.0	6.2	
SAMP	L2555196-02	12.5	25	0.106	0.125	0.019	2.870	1	2.0	5.7	FILTERED
SAMP	L2555196-03	5	25	0.134	0.143	0.009	2.380	1	5.0	11.9	FILTERED
SAMP	L2555196-04	25	25	0.068	0.054	-0.014	1.252	1	1.0	1.3	
SAMP	L2555605-02	25	25	0.001	0.285	0.284	15.858	1	1.0	15.9	
SAMP	L2555938-01	10	25	0.001	0.187	0.186	11.055	1	2.5	27.6	
	CCV1	25	25	0	0.373	0.373	20.220	1	1.0	20.2	
	CCB1	25	25	0	0.002	0.002	2.037	1	1.0	2.0	
SAMP	L2555938-02	25	25	0.002	0.236	0.234	13.407	1	1.0	13.4	
SAMP	L2555938-03	25	25	0	0.048	0.048	4.291	1	1.0	4.3	
SAMP	L2555938-04	25	25	0.004	0.364	0.360	19.583	1	1.0	19.6	
SAMP	L2555938-05	25	25	0.006	0.21	0.204	11.937	1	1.0	11.9	
	CCV2	25	25	0	0.371	0.371	20.122	1	1.0	20.1	
	CCB2	25	25	0	0.003	0.003	2.086	1	1.0	2.1	
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
BLANK	WG2112474-1	25	25	0.000	0.005	0.005	2.184	1	1.0	2.2	
DUP	WG2112474-3	25	25	0	0.278	0.278	15.564	1	1.0	15.6	L2555605-02
	sample	Final	Bkgd.	Gross		Sample	Spiked	Spike conc.	Spike	Recovery	
	Sample number	volume	volume (ml)	Abs.	Abs.	Absorbance	Result mg/l	Volume	mg/l	Result mg/l	%
MS	WG2112474-4	12.5	25	0.001	0.574	0.573	15.900	12.5	40.0000	60	110
L2555605-02											
LCS	WG2112474-2	25	25	0	0.377	0.377		1	20.0000	20	102

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555605-02
 Matrix Spike : WG2112474-4
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER

MS Analysis Date : 09/09/25 14:30
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Sulfate	16.	40	60.	110					55-147	14



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/09/25 14:30
Dup Sample ID	: WG2112474-3	DUP Analysis Date	: 09/09/25 14:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	16	16.	0	14



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112474-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/09/25 14:30
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Sulfate	20.0	20.0	100.					90-110	14



Calculations of Sulfate

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve.

$$\text{mgSO}_4/\text{L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

If sample has a background absorbance, it has to be subtracted before calculation.

Alkalinity Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 07:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: ALK250910-2	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	306.	2.00	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 08:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: ALK250910-2	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	23.2	2.00	NA	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 08:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: ALK250910-2	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	32.0	2.00	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 08:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: ALK250910-2	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	45.6	2.00	NA	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 08:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: ALK250910-2	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	25.7	2.00	NA	



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2113509-1
Client ID : WG2113509-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2320B
Lab File ID : ALK250910-2
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/10/25 02:46
Dilution Factor : 1
Analyst : MRM
Instrument ID : TITR5
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	ND	2.00	NA	U



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2113509-2
Client ID : MW-13SDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2320B
Lab File ID : ALK250910-2
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/05/25 09:00
Date Received : 09/05/25
Date Analyzed : 09/10/25 07:59
Dilution Factor : 1
Analyst : MRM
Instrument ID : TITR5
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
71-52-3	Alkalinity, Bicarbonate	302.	2.00	NA	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U



Sample Raw Data

Titration report



Method

Method ID	pH Cal. 7 4 10	Release state	Released
Name	Calibration	Modified by	SystemInternal
Modified on	10/3/2023 12:47:09 PM		

Summary

Samples

	Sample ID	Name	Result	State
1	METTLER TOLEDO (Ref. 25°C) pH	pH	7.00	
2	METTLER TOLEDO (Ref. 25°C) pH	pH	4.01	
3	METTLER TOLEDO (Ref. 25°C) pH	pH	10.00	

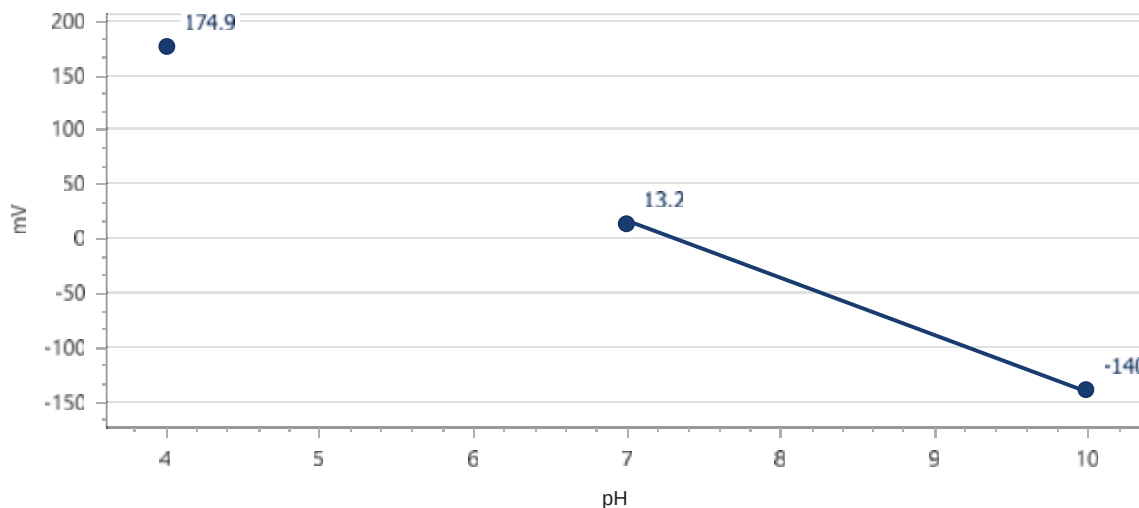
Results

Zero point 1 Cal1.Z1 7.308 pH
Slope 1 Cal1.S1 -52.57 mV/pH

Calibration

Sensor Sensor DG111-SC
Creation time 9/10/2025 1:35:57 AM
Overall state OK
Successful Yes
Calib. temperature 25.0 °C
SLOPECal -52.57 mV/pH
ZEROCal 7.308 pH

Calibration Curve



Used Instruments

Titration report



Name	T7 Excellence Titrator	Serial number	C329519495
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Responsible User

Time	Login name	Full name
9/10/2025 1:31:04 AM	SystemInternal	System internal account

Titration report



Method

Method ID	pH Measure	Release state	Released
Name	Measure	Modified by	SystemInternal
Modified on	2/23/2024 9:31:05 AM		

Summary

Samples

Sample ID	Name	Result	State
1	--		
	Sample size	0 mL	
	Potential R1	7.04 pH	OK

Used Instruments

Name	T7 Excellence Titrator	Serial number	C329519495
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Responsible User

Time	Login name	Full name
9/10/2025 1:39:06 AM	SystemInternal	System internal account

Titration report



Method

Method ID	Alk Total (2)	Release state	Released
Name	EP/EP	Modified by	SystemInternal
Modified on	3/26/2025 11:25:13 AM		

Summary

Samples

Sample ID	Name	Result	State
1 Rinse,MRM	Sample size	50 mL	
	Potential R4	7.61 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	1.156 mL	OK
	Consumption 4.2 R3	1.160 mL	OK
	Content R5	23.120 mg/L	OK
	ALK LOW R6	23.040 mg/L	OK
2 Rinse,MRM	Sample size	50 mL	
	Potential R4	5.42 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	0.054 mL	OK
	Consumption 4.2 R3	0.059 mL	OK
	Content R5	1.080 mg/L	OK
	ALK LOW R6	0.980 mg/L	OK
3 WG2112738-1	Sample size	50 mL	
	Potential R4	5.00 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	0.031 mL	OK
	Consumption 4.2 R3	0.037 mL	OK
	Content R5	0.620 mg/L	OK
	ALK LOW R6	0.500 mg/L	OK
4 WG2112738-2	Sample size	50 mL	
	Potential R4	10.82 pH	OK
	Consumption 8.3 R1	4.855 mL	OK
	Consumption 4.5 R2	5.268 mL	OK
	Consumption 4.2 R3	5.273 mL	OK
	Content R5	105.360 mg/L	OK
	ALK LOW R6	105.260 mg/L	OK
5 WG2112739-1	Sample size	50 mL	
	Potential R4	5.01 pH	OK
	Consumption 8.3 R1	NaN mL	Not OK
	Consumption 4.5 R2	0.030 mL	OK
	Consumption 4.2 R3	0.033 mL	OK
	Content R5	0.600 mg/L	OK
	ALK LOW R6	0.540 mg/L	OK
6 WG2112739-2	Sample size	50 mL	

Titration report



		Potential R4	10.70 pH	OK
		Consumption 8.3 R1	4.827 mL	OK
		Consumption 4.5 R2	5.236 mL	OK
		Consumption 4.2 R3	5.241 mL	OK
		Content R5	104.720 mg/L	OK
		ALK LOW R6	104.620 mg/L	OK
7	WG2112740-1	Sample size	50 mL	
		Potential R4	5.15 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.042 mL	OK
		Consumption 4.2 R3	0.046 mL	OK
		Content R5	0.840 mg/L	OK
		ALK LOW R6	0.760 mg/L	OK
8	WG2112740-2	Sample size	50 mL	
		Potential R4	10.71 pH	OK
		Consumption 8.3 R1	4.862 mL	OK
		Consumption 4.5 R2	5.293 mL	OK
		Consumption 4.2 R3	5.296 mL	OK
		Content R5	105.860 mg/L	OK
		ALK LOW R6	105.800 mg/L	OK
9	L2555251-01	Sample size	50 mL	
		Potential R4	5.84 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	23.370 mL	OK
		Consumption 4.2 R3	23.646 mL	OK
		Content R5	467.400 mg/L	OK
		ALK LOW R6	461.880 mg/L	OK
10	WG2112738-3	Sample size	50 mL	
		Potential R4	5.87 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	22.749 mL	OK
		Consumption 4.2 R3	23.057 mL	OK
		Content R5	454.980 mg/L	OK
		ALK LOW R6	448.820 mg/L	OK
11	WG2112738-4	Sample size	50 mL	
		Potential R4	6.00 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
12	L2555251-02	Sample size	50 mL	
		Potential R4	6.02 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	18.080 mL	OK
		Consumption 4.2 R3	18.364 mL	OK
		Content R5	361.600 mg/L	OK

Titration report



13	L2555251-03	ALK LOW R6	355.920 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.75 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.963 mL	OK
		Consumption 4.2 R3	6.029 mL	OK
		Content R5	119.260 mg/L	OK
14	L2555251-04	ALK LOW R6	117.940 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.68 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	8.024 mL	OK
		Consumption 4.2 R3	8.137 mL	OK
		Content R5	160.480 mg/L	OK
15	L2555251-05	ALK LOW R6	158.220 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.46 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.121 mL	OK
		Consumption 4.2 R3	3.182 mL	OK
		Content R5	62.420 mg/L	OK
16	L2555251-06	ALK LOW R6	61.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.93 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.401 mL	OK
		Consumption 4.2 R3	11.513 mL	OK
		Content R5	228.020 mg/L	OK
17	L2555251-07	ALK LOW R6	225.780 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.84 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	9.905 mL	OK
		Consumption 4.2 R3	10.048 mL	OK
		Content R5	198.100 mg/L	OK
18	L2555251-08	ALK LOW R6	195.240 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.78 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	10.271 mL	OK
		Consumption 4.2 R3	10.491 mL	OK
		Content R5	205.420 mg/L	OK
19	L2555251-09	ALK LOW R6	201.020 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.78 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	8.204 mL	OK

Titration report



20	L2555251-10	Consumption 4.2 R3	8.309 mL	OK
		Content R5	164.080 mg/L	OK
		ALK LOW R6	161.980 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.15 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
21	L2555251-11	ALK LOW R6	NaN mg/L	Not OK
		Sample size	50 mL	
		Potential R4	6.47 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	21.176 mL	OK
		Consumption 4.2 R3	21.415 mL	OK
		Content R5	423.520 mg/L	OK
		ALK LOW R6	418.740 mg/L	OK
22	L2555251-12	Sample size	50 mL	
		Potential R4	5.73 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.795 mL	OK
		Consumption 4.2 R3	7.917 mL	OK
		Content R5	155.900 mg/L	OK
		ALK LOW R6	153.460 mg/L	OK
23	L2555251-13	Sample size	50 mL	
		Potential R4	5.41 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.665 mL	OK
		Consumption 4.2 R3	1.703 mL	OK
		Content R5	33.300 mg/L	OK
		ALK LOW R6	32.540 mg/L	OK
24	L2555251-14	Sample size	50 mL	
		Potential R4	5.39 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.705 mL	OK
		Consumption 4.2 R3	1.734 mL	OK
		Content R5	34.100 mg/L	OK
		ALK LOW R6	33.520 mg/L	OK
25	L2555251-15	Sample size	50 mL	
		Potential R4	5.31 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.182 mL	OK
		Consumption 4.2 R3	1.205 mL	OK
		Content R5	23.640 mg/L	OK
		ALK LOW R6	23.180 mg/L	OK
26	L2555251-16	Sample size	50 mL	
		Potential R4	5.60 pH	OK

Titration report



27	L2555251-17	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.116 mL	OK
		Consumption 4.2 R3	3.171 mL	OK
		Content R5	62.320 mg/L	OK
		ALK LOW R6	61.220 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.54 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.822 mL	OK
		Consumption 4.2 R3	2.863 mL	OK
28	L2555251-10 10x	Content R5	56.440 mg/L	OK
		ALK LOW R6	55.620 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.80 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	6.136 mL	OK
		Consumption 4.2 R3	6.222 mL	OK
		Content R5	122.720 mg/L	OK
		ALK LOW R6	121.000 mg/L	OK
		Sample size	50 mL	
29	WG2112738-4 5x	Potential R4	9.61 pH	OK
		Consumption 8.3 R1	3.998 mL	OK
		Consumption 4.5 R2	9.872 mL	OK
		Consumption 4.2 R3	9.882 mL	OK
		Content R5	197.440 mg/L	OK
		ALK LOW R6	197.240 mg/L	OK
		Sample size	50 mL	
		Potential R4	7.53 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	10.276 mL	OK
30	L2556545-03 20x	Consumption 4.2 R3	11.340 mL	OK
		Content R5	205.520 mg/L	OK
		ALK LOW R6	184.240 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.80 pH	OK
		Consumption 8.3 R1	4.915 mL	OK
		Consumption 4.5 R2	5.295 mL	OK
		Consumption 4.2 R3	5.297 mL	OK
		Content R5	105.900 mg/L	OK
		ALK LOW R6	105.860 mg/L	OK
31	CCV	Sample size	50 mL	
		Potential R4	4.91 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.028 mL	OK
		Consumption 4.2 R3	0.037 mL	OK
		Content R5	0.560 mg/L	OK
		ALK LOW R6	0.380 mg/L	OK
		Sample size	50 mL	
		Potential R4	4.91 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
32	CCB	Consumption 4.5 R2	0.028 mL	OK
		Consumption 4.2 R3	0.037 mL	OK
		Content R5	0.560 mg/L	OK
		ALK LOW R6	0.380 mg/L	OK
		Sample size	50 mL	
		Potential R4	4.91 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.028 mL	OK
		Consumption 4.2 R3	0.037 mL	OK
		Content R5	0.560 mg/L	OK

Titration report



33	L2555215-02	Sample size	50 mL	
		Potential R4	5.39 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.539 mL	OK
		Consumption 4.2 R3	2.558 mL	OK
		Content R5	50.780 mg/L	OK
		ALK LOW R6	50.400 mg/L	OK
34	L2555215-03	Sample size	50 mL	
		Potential R4	5.44 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.740 mL	OK
		Consumption 4.2 R3	2.761 mL	OK
		Content R5	54.800 mg/L	OK
		ALK LOW R6	54.380 mg/L	OK
35	L2555215-04	Sample size	50 mL	
		Potential R4	5.46 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.668 mL	OK
		Consumption 4.2 R3	2.693 mL	OK
		Content R5	53.360 mg/L	OK
		ALK LOW R6	52.860 mg/L	OK
36	L2555215-05	Sample size	50 mL	
		Potential R4	5.49 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.610 mL	OK
		Consumption 4.2 R3	2.625 mL	OK
		Content R5	52.200 mg/L	OK
		ALK LOW R6	51.900 mg/L	OK
37	L2555538-01	Sample size	50 mL	
		Potential R4	5.91 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	9.148 mL	OK
		Consumption 4.2 R3	9.223 mL	OK
		Content R5	182.960 mg/L	OK
		ALK LOW R6	181.460 mg/L	OK
38	L2555538-02	Sample size	50 mL	
		Potential R4	5.88 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	12.880 mL	OK
		Consumption 4.2 R3	13.067 mL	OK
		Content R5	257.600 mg/L	OK
		ALK LOW R6	253.860 mg/L	OK
39	L2555538-03	Sample size	50 mL	
		Potential R4	5.81 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	13.363 mL	OK
		Consumption 4.2 R3	13.563 mL	OK

Titration report



40	L2555538-04	Content R5	267.260 mg/L	OK
		ALK LOW R6	263.260 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.25 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.436 mL	OK
		Consumption 4.2 R3	4.480 mL	OK
41	WG2112739-3	Content R5	88.720 mg/L	OK
		ALK LOW R6	87.840 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.90 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.272 mL	OK
		Consumption 4.2 R3	4.320 mL	OK
42	WG2112739-4	Content R5	85.440 mg/L	OK
		ALK LOW R6	84.480 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.27 pH	OK
		Consumption 8.3 R1	7.133 mL	OK
		Consumption 4.5 R2	9.764 mL	OK
		Consumption 4.2 R3	9.819 mL	OK
43	L2555538-05	Content R5	195.280 mg/L	OK
		ALK LOW R6	194.180 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.98 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.539 mL	OK
		Consumption 4.2 R3	11.830 mL	OK
44	L2555538-06	Content R5	230.780 mg/L	OK
		ALK LOW R6	224.960 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.94 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.768 mL	OK
		Consumption 4.2 R3	11.901 mL	OK
45	L2555538-07	Content R5	235.360 mg/L	OK
		ALK LOW R6	232.700 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.88 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	15.615 mL	OK
		Consumption 4.2 R3	15.883 mL	OK
46	L2555538-08	Content R5	312.300 mg/L	OK
		ALK LOW R6	306.940 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.85 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK

Titration report



47	L2555538-09	Consumption 4.5 R2	8.297 mL	OK
		Consumption 4.2 R3	8.389 mL	OK
		Content R5	165.940 mg/L	OK
		ALK LOW R6	164.100 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.55 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.868 mL	OK
		Consumption 4.2 R3	1.953 mL	OK
		Content R5	37.360 mg/L	OK
48	CCV	ALK LOW R6	35.660 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.75 pH	OK
		Consumption 8.3 R1	4.927 mL	OK
		Consumption 4.5 R2	5.307 mL	OK
		Consumption 4.2 R3	5.312 mL	OK
		Content R5	106.140 mg/L	OK
		ALK LOW R6	106.040 mg/L	OK
		Sample size	50 mL	
		Potential R4	4.78 pH	OK
49	CCB	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.028 mL	OK
		Consumption 4.2 R3	0.041 mL	OK
		Content R5	0.560 mg/L	OK
		ALK LOW R6	0.300 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.28 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.695 mL	OK
		Consumption 4.2 R3	0.806 mL	OK
50	L2554370-01	Content R5	13.900 mg/L	OK
		ALK LOW R6	11.680 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.67 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.971 mL	OK
		Consumption 4.2 R3	4.035 mL	OK
		Content R5	79.420 mg/L	OK
		ALK LOW R6	78.140 mg/L	OK
		Sample size	50 mL	
51	L2554370-02	Potential R4	5.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.786 mL	OK
		Consumption 4.2 R3	7.972 mL	OK
		Content R5	155.720 mg/L	OK
		ALK LOW R6	152.000 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.786 mL	OK
52	L2554370-03	Consumption 4.2 R3	7.972 mL	OK
		Content R5	155.720 mg/L	OK
		ALK LOW R6	152.000 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.786 mL	OK
		Consumption 4.2 R3	7.972 mL	OK
		Content R5	155.720 mg/L	OK
		ALK LOW R6	152.000 mg/L	OK
53	L2554370-04	Sample size	50 mL	
		Potential R4	5.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.786 mL	OK
		Consumption 4.2 R3	7.972 mL	OK
		Content R5	155.720 mg/L	OK
		ALK LOW R6	152.000 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK

Titration report



54	L2554370-05	Potential R4	6.01 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.417 mL	OK
		Consumption 4.2 R3	11.673 mL	OK
		Content R5	228.340 mg/L	OK
		ALK LOW R6	223.220 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.69 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.660 mL	OK
55	L2554370-06	Consumption 4.2 R3	3.723 mL	OK
		Content R5	73.200 mg/L	OK
		ALK LOW R6	71.940 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.77 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.926 mL	OK
		Consumption 4.2 R3	6.052 mL	OK
		Content R5	118.520 mg/L	OK
		ALK LOW R6	116.000 mg/L	OK
56	L2554370-07	Sample size	50 mL	
		Potential R4	5.66 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.283 mL	OK
		Consumption 4.2 R3	3.328 mL	OK
		Content R5	65.660 mg/L	OK
		ALK LOW R6	64.760 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.77 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
57	L2554370-08	Consumption 4.5 R2	5.997 mL	OK
		Consumption 4.2 R3	6.073 mL	OK
		Content R5	119.940 mg/L	OK
		ALK LOW R6	118.420 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.76 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.069 mL	OK
		Consumption 4.2 R3	4.100 mL	OK
		Content R5	81.380 mg/L	OK
58	L2554370-09	ALK LOW R6	80.760 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.73 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.476 mL	OK
		Consumption 4.2 R3	4.511 mL	OK
		Content R5	89.520 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.73 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
59	L2554370-10	Consumption 4.5 R2	4.476 mL	OK
		Consumption 4.2 R3	4.511 mL	OK
		Content R5	89.520 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.73 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.476 mL	OK
		Consumption 4.2 R3	4.511 mL	OK
		Content R5	89.520 mg/L	OK
		Sample size	50 mL	

Titration report



60	L2554370-11	ALK LOW R6	88.820 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.22 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.704 mL	OK
		Consumption 4.2 R3	0.734 mL	OK
		Content R5	14.080 mg/L	OK
61	L2554370-12	ALK LOW R6	13.480 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.66 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.276 mL	OK
		Consumption 4.2 R3	3.307 mL	OK
		Content R5	65.520 mg/L	OK
62	L2555938-01	ALK LOW R6	64.900 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.12 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	15.276 mL	OK
		Consumption 4.2 R3	15.551 mL	OK
		Content R5	305.520 mg/L	OK
63	WG2112740-3	ALK LOW R6	300.020 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.04 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	15.077 mL	OK
		Consumption 4.2 R3	15.331 mL	OK
		Content R5	301.540 mg/L	OK
64	L2555938-02	ALK LOW R6	296.460 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.46 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.160 mL	OK
		Consumption 4.2 R3	1.197 mL	OK
		Content R5	23.200 mg/L	OK
65	L2555938-03	ALK LOW R6	22.460 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.42 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.598 mL	OK
		Consumption 4.2 R3	1.645 mL	OK
		Content R5	31.960 mg/L	OK
66	L2555938-04	ALK LOW R6	31.020 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.62 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.280 mL	OK

Titration report



67	L2555938-05	Consumption 4.2 R3	2.308 mL	OK
		Content R5	45.600 mg/L	OK
		ALK LOW R6	45.040 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.43 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.287 mL	OK
		Consumption 4.2 R3	1.347 mL	OK
		Content R5	25.740 mg/L	OK
68	WG2112835-2	ALK LOW R6	24.540 mg/L	OK
		Sample size	50 mL	
		Potential R4	10.90 pH	OK
		Consumption 8.3 R1	4.930 mL	OK
		Consumption 4.5 R2	5.298 mL	OK
		Consumption 4.2 R3	5.300 mL	OK
		Content R5	105.960 mg/L	OK
		ALK LOW R6	105.920 mg/L	OK
		Sample size	50 mL	
69	WG2112835-1	Potential R4	4.82 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.021 mL	OK
		Consumption 4.2 R3	0.032 mL	OK
		Content R5	0.420 mg/L	OK
		ALK LOW R6	0.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	4.80 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
70	WG2112831-1	Consumption 4.5 R2	0.021 mL	OK
		Consumption 4.2 R3	0.030 mL	OK
		Content R5	0.420 mg/L	OK
		ALK LOW R6	0.240 mg/L	OK
		Sample size	50 mL	
		Potential R4	4.72 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.022 mL	OK
		Consumption 4.2 R3	0.032 mL	OK
71	WG2112834-1	Content R5	0.440 mg/L	OK
		ALK LOW R6	0.240 mg/L	OK
		Sample size	50 mL	
		Potential R4	8.81 pH	OK
		Consumption 8.3 R1	1.003 mL	OK
		Consumption 4.5 R2	2.428 mL	OK
		Consumption 4.2 R3	2.434 mL	OK
		Content R5	48.560 mg/L	OK
		ALK LOW R6	48.440 mg/L	OK
72	L2555647-01 10x	Sample size	50 mL	
		Potential R4	8.77 pH	OK
		Consumption 8.3 R1	1.003 mL	OK
		Consumption 4.5 R2	2.428 mL	OK
		Consumption 4.2 R3	2.434 mL	OK
		Content R5	48.560 mg/L	OK
		ALK LOW R6	48.440 mg/L	OK
		Sample size	50 mL	
		Potential R4	8.77 pH	OK
73	WG2112831-2 10x	Consumption 4.2 R3	2.308 mL	OK
		Content R5	45.600 mg/L	OK
		ALK LOW R6	45.040 mg/L	OK

Titration report



74	L2555888-01	Consumption 8.3 R1	0.989 mL	OK
		Consumption 4.5 R2	2.412 mL	OK
		Consumption 4.2 R3	2.414 mL	OK
		Content R5	48.240 mg/L	OK
		ALK LOW R6	48.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.76 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	9.435 mL	OK
		Consumption 4.2 R3	9.576 mL	OK
75	L2555888-03	Content R5	188.700 mg/L	OK
		ALK LOW R6	185.880 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.69 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.975 mL	OK
		Consumption 4.2 R3	3.001 mL	OK
		Content R5	59.500 mg/L	OK
		ALK LOW R6	58.980 mg/L	OK
		Sample size	50 mL	
76	L2555888-05	Potential R4	6.11 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.624 mL	OK
		Consumption 4.2 R3	2.631 mL	OK
		Content R5	52.480 mg/L	OK
		ALK LOW R6	52.340 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.50 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.802 mL	OK
77	L2555888-07	Consumption 4.2 R3	1.821 mL	OK
		Content R5	36.040 mg/L	OK
		ALK LOW R6	35.660 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.09 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.455 mL	OK
		Consumption 4.2 R3	3.470 mL	OK
		Content R5	69.100 mg/L	OK
		ALK LOW R6	68.800 mg/L	OK
78	L2555888-09	Sample size	50 mL	
		Potential R4	5.28 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.017 mL	OK
		Consumption 4.2 R3	1.036 mL	OK
		Content R5	20.340 mg/L	OK
		ALK LOW R6	19.960 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.28 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
79	L2554681-01	Consumption 4.5 R2	1.017 mL	OK
		Consumption 4.2 R3	1.036 mL	OK
		Content R5	20.340 mg/L	OK
		ALK LOW R6	19.960 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.28 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.017 mL	OK
		Consumption 4.2 R3	1.036 mL	OK
		Content R5	20.340 mg/L	OK

Titration report



80	WG2112834-2	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.947 mL	OK
		Consumption 4.2 R3	0.963 mL	OK
		Content R5	18.940 mg/L	OK
		ALK LOW R6	18.620 mg/L	OK
81	L2554681-02	Sample size	50 mL	
		Potential R4	5.08 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.519 mL	OK
		Consumption 4.2 R3	0.539 mL	OK
		Content R5	10.380 mg/L	OK
		ALK LOW R6	9.980 mg/L	OK
82	L2554681-03	Sample size	50 mL	
		Potential R4	5.09 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.411 mL	OK
		Consumption 4.2 R3	0.427 mL	OK
		Content R5	8.220 mg/L	OK
		ALK LOW R6	7.900 mg/L	OK
83	L2554681-04	Sample size	50 mL	
		Potential R4	5.02 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.412 mL	OK
		Consumption 4.2 R3	0.433 mL	OK
		Content R5	8.240 mg/L	OK
		ALK LOW R6	7.820 mg/L	OK
84	L2554681-05	Sample size	50 mL	
		Potential R4	5.02 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.417 mL	OK
		Consumption 4.2 R3	0.433 mL	OK
		Content R5	8.340 mg/L	OK
		ALK LOW R6	8.020 mg/L	OK
85	L2555661-01	Sample size	50 mL	
		Potential R4	6.02 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	14.145 mL	OK
		Consumption 4.2 R3	14.300 mL	OK
		Content R5	282.900 mg/L	OK
		ALK LOW R6	279.800 mg/L	OK
86	L2555661-02	Sample size	50 mL	
		Potential R4	6.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	16.536 mL	OK
		Consumption 4.2 R3	16.720 mL	OK

Titration report



87	L2555661-03	Content R5	330.720 mg/L	OK
		ALK LOW R6	327.040 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.98 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	12.572 mL	OK
		Consumption 4.2 R3	12.731 mL	OK
88	L2555661-04	Content R5	251.440 mg/L	OK
		ALK LOW R6	248.260 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.01 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	12.106 mL	OK
		Consumption 4.2 R3	12.222 mL	OK
89	WG2112835-3	Content R5	242.120 mg/L	OK
		ALK LOW R6	239.800 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.93 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	12.423 mL	OK
		Consumption 4.2 R3	12.542 mL	OK
90	WG2112835-4	Content R5	248.460 mg/L	OK
		ALK LOW R6	246.080 mg/L	OK
		Sample size	50 mL	
		Potential R4	8.53 pH	OK
		Consumption 8.3 R1	2.007 mL	OK
		Consumption 4.5 R2	18.361 mL	OK
		Consumption 4.2 R3	18.543 mL	OK
91	L2555661-05	Content R5	367.220 mg/L	OK
		ALK LOW R6	363.580 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.16 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	15.437 mL	OK
		Consumption 4.2 R3	15.578 mL	OK
92	L2555661-06	Content R5	308.740 mg/L	OK
		ALK LOW R6	305.920 mg/L	OK
		Sample size	50 mL	
		Potential R4	6.32 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	13.022 mL	OK
		Consumption 4.2 R3	13.162 mL	OK
93	L2555671-01	Content R5	260.440 mg/L	OK
		ALK LOW R6	257.640 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.96 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK

Titration report



94	L2555671-02	Consumption 4.5 R2	4.782 mL	OK
		Consumption 4.2 R3	4.811 mL	OK
		Content R5	95.640 mg/L	OK
		ALK LOW R6	95.060 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.78 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.487 mL	OK
		Consumption 4.2 R3	4.509 mL	OK
		Content R5	89.740 mg/L	OK
95	L2555671-03	ALK LOW R6	89.300 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.65 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.670 mL	OK
		Consumption 4.2 R3	2.680 mL	OK
		Content R5	53.400 mg/L	OK
		ALK LOW R6	53.200 mg/L	OK
		Sample size	50 mL	
		Potential R4	5.18 pH	OK
96	L2555671-04	Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.564 mL	OK
		Consumption 4.2 R3	0.576 mL	OK
		Content R5	11.280 mg/L	OK
		ALK LOW R6	11.040 mg/L	OK
		Sample size	50 mL	
		Potential R4	11.09 pH	OK
		Consumption 8.3 R1	4.932 mL	OK
		Consumption 4.5 R2	5.224 mL	OK
		Consumption 4.2 R3	5.228 mL	OK
97	CCV	Content R5	104.480 mg/L	OK
		ALK LOW R6	104.400 mg/L	OK
		Sample size	50 mL	
		Potential R4	11.09 pH	OK
		Consumption 8.3 R1	4.932 mL	OK
		Consumption 4.5 R2	5.224 mL	OK
		Consumption 4.2 R3	5.228 mL	OK
		Content R5	104.480 mg/L	OK
		ALK LOW R6	104.400 mg/L	OK
		Sample size	50 mL	
98	CCB	Potential R4	5.18 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.037 mL	OK
		Consumption 4.2 R3	0.051 mL	OK
		Content R5	0.740 mg/L	OK
		ALK LOW R6	0.460 mg/L	OK
		Sample size	50 mL	
		Potential R4	11.04 pH	OK
		Consumption 8.3 R1	4.930 mL	OK
		Consumption 4.5 R2	5.276 mL	OK
99	CCV	Consumption 4.2 R3	5.281 mL	OK
		Content R5	105.520 mg/L	OK
		ALK LOW R6	105.420 mg/L	OK
		Sample size	50 mL	
		Potential R4	11.04 pH	OK
		Consumption 8.3 R1	4.930 mL	OK
		Consumption 4.5 R2	5.276 mL	OK
		Consumption 4.2 R3	5.281 mL	OK
		Content R5	105.520 mg/L	OK
		ALK LOW R6	105.420 mg/L	OK
100	CCB	Sample size	50 mL	

Titration report



Potential R4	4.95 pH	OK
Consumption 8.3 R1	NaN mL	Not OK
Consumption 4.5 R2	0.031 mL	OK
Consumption 4.2 R3	0.034 mL	OK
Content R5	0.620 mg/L	OK
ALK LOW R6	0.560 mg/L	OK

Statistics

R1

Mean	NaN mL		
Maximum	7.133 mL	Minimum	0.989 mL
Standard deviation	NaN mL	Rel. standard deviation	NaN %
Total samples	100	Samples excluded	0

R2

Mean	NaN mL		
Maximum	23.370 mL	Minimum	0.021 mL
Standard deviation	NaN mL	Rel. standard deviation	NaN %
Total samples	100	Samples excluded	0

R3

Mean	NaN mL		
Maximum	23.646 mL	Minimum	0.030 mL
Standard deviation	NaN mL	Rel. standard deviation	NaN %
Total samples	100	Samples excluded	0

R4

Mean	6.26 pH		
Maximum	11.09 pH	Minimum	4.72 pH
Standard deviation	1.64 pH	Rel. standard deviation	26.130 %
Total samples	100	Samples excluded	0

R5

Mean	NaN mg/L		
Maximum	467.400 mg/L	Minimum	0.420 mg/L
Standard deviation	NaN mg/L	Rel. standard deviation	NaN %
Total samples	100	Samples excluded	0

R6

Mean	NaN mg/L		
Maximum	461.880 mg/L	Minimum	0.200 mg/L
Standard deviation	NaN mg/L	Rel. standard deviation	NaN %
Total samples	100	Samples excluded	0

Titration report



Used Instruments

Name	T7 Excellence Titrator	Serial number	C329519495
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Responsible User

Time	Login name	Full name
9/10/2025 2:34:42 AM	SystemInternal	System internal account

Quality Control

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-13S	Matrix	: WATER
Lab Sample ID	: L2555938-01	Analysis Date	: 09/10/25 07:42
Dup Sample ID	: WG2113509-2	DUP Analysis Date	: 09/10/25 07:59

Parameter	Sample Concentration (mg CaCO ₃ /L)	Duplicate Concentration (mg CaCO ₃ /L)	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	NC	10
Alkalinity, Bicarbonate	306.	302.	1	9



Calculations of Alkalinity

$$\text{Alkalinity, mg CaCO}_3/\text{L} = \frac{A \times N \times 50,000}{\text{mL Sample}}$$

Where:

A = mL of the standard acid titrated

N = normality of the standard acid

Results are calculated using Mettler Toledo software.

Standard sample size is 50mL, 0.02N Sulfuric acid for titration

Sequence Logs

CAL	250910	LCS	7.04 INT: MRM
pH 4	3484	Titrant:	4298
pH 7	3386	LCS:	3530
pH 10	3482	MS:	3529
LCS	3523		

- 1 Rinse,MRM
- 2 Rinse,MRM
- 3 WG2112738-1
- 4 WG2112738-2
- 5 WG2112739-1
- 6 WG2112739-2
- 7 WG2112740-1
- 8 WG2112740-2
- 9 L2555251-01
- 10 WG2112738-3
- 11 WG2112738-4
- 12 L2555251-02
- 13 L2555251-03
- 14 L2555251-04
- 15 L2555251-05
- 16 L2555251-06
- 17 L2555251-07
- 18 L2555251-08
- 19 L2555251-09
- 20 L2555251-10
- 21 L2555251-11
- 22 L2555251-12
- 23 L2555251-13
- 24 L2555251-14
- 25 L2555251-15
- 26 L2555251-16
- 27 L2555251-17
- 28 L2555251-10 10x
- 29 WG2112738-4 5x
- 30 L2556545-03 20x
- 31 CCV
- 32 CCB
- 33 L2555215-02
- 34 L2555215-03
- 35 L2555215-04
- 36 L2555215-05
- 37 L2555538-01
- 38 L2555538-02
- 39 L2555538-03
- 40 L2555538-04
- 41 WG2112739-3

42 WG2112739-4
43 L2555538-05
44 L2555538-06
45 L2555538-07
46 L2555538-08
47 L2555538-09
48 CCV
49 CCB
50 L2554370-01
51 L2554370-02
52 L2554370-03
53 L2554370-04
54 L2554370-05
55 L2554370-06
56 L2554370-07
57 L2554370-08
58 L2554370-09
59 L2554370-10
60 L2554370-11
61 L2554370-12
62 L2555938-01
63 WG2112740-3
64 L2555938-02
65 L2555938-03
66 L2555938-04
67 L2555938-05
68 WG2112835-2
69 WG2112835-1
70 WG2112831-1
71 WG2112834-1
72 L2555647-01 10x
73 WG2112831-2 10x
74 L2555888-01
75 L2555888-03
76 L2555888-05
77 L2555888-07
78 L2555888-09
79 L2554681-01
80 WG2112834-2
81 L2554681-02
82 L2554681-03
83 L2554681-04
84 L2554681-05
85 L2555661-01
86 L2555661-02
87 L2555661-03
88 L2555661-04

89 WG2112835-3
90 WG2112835-4
91 L2555661-05
92 L2555661-06
93 L2555671-01
94 L2555671-02
95 L2555671-03
96 L2555671-04
97 CCV
98 CCB
99 CCV
100 CCB

Chloride Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 17:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250909-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	3.2	1.0	0.89	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 17:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250909-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	26.	1.0	0.89	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 17:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250909-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	3.6	1.0	0.89	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 17:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250909-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	6.4	1.0	0.89	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 17:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250909-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	42.	1.0	0.89	

Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112517-1
Client ID : WG2112517-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250909-A1
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/09/25 16:45
Dilution Factor : 1
Analyst : JER
Instrument ID : LACHAT3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	ND	1.0	0.89	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112517-3
Client ID : WG2112517-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500CL-E
Lab File ID : CL250909-A1
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 06:00
Date Received : 09/04/25
Date Analyzed : 09/09/25 16:54
Dilution Factor : 1000
Analyst : JER
Instrument ID : LACHAT3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	34000	1000	890	



Sample Raw Data

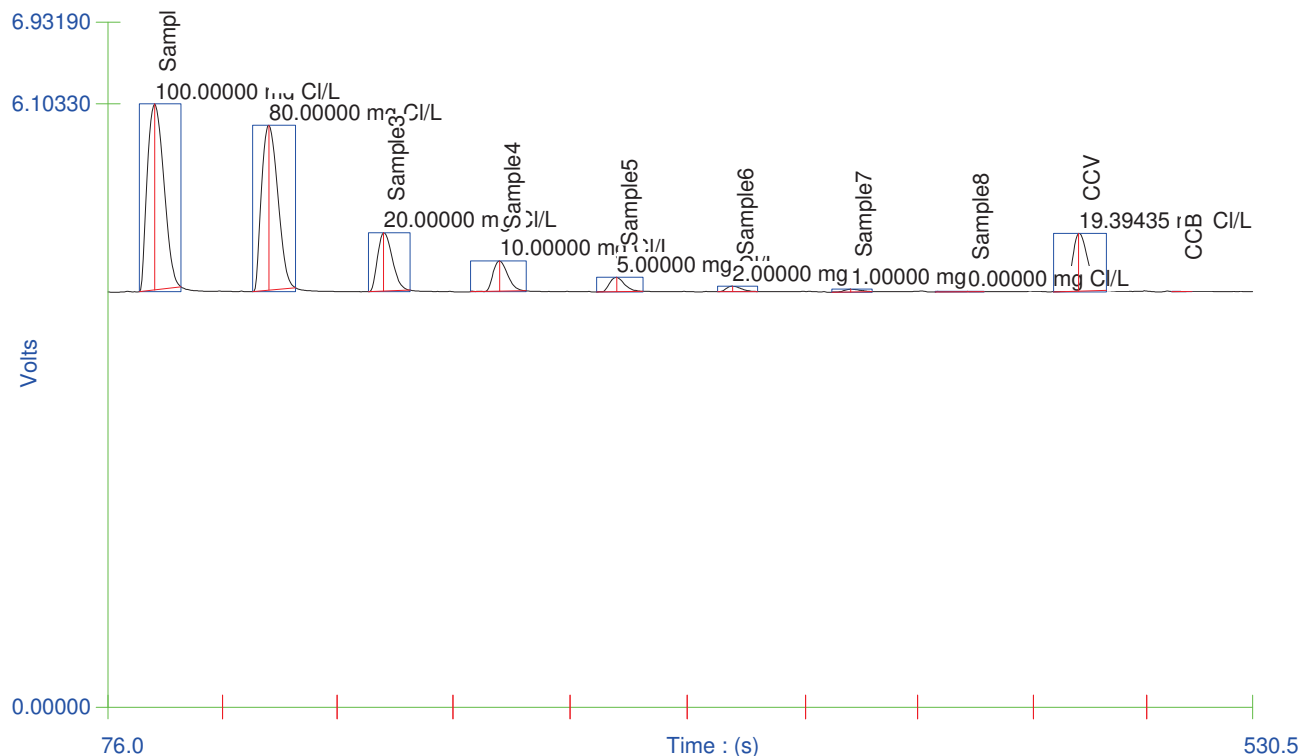
Author:

Date : 9/9/2025

Original Run Filename: OM_9-9-2025_03-58-41PM.OMN Created: 9/9/2025 3:58:41 PM
 Original Run Author's Signature: [a1wetcheminstrument]
 Current Run Filename: OM_9-9-2025_03-58-41PM.OMN Last Modified: 9/9/2025 4:17:46 PM
 Current Run Author's Signature: [a1wetcheminstrument]
 Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	19.39435			
Known Conc:			20.00000			
Calibration:			Table/Fig. : 1			
CCB	1	S9	0.46080			
Known Conc:			0.00000			
ICV 5	1	1	4.71059			
ICV 30	1	2	27.09765			
ICV 80	1	3	79.53876			
ICB	1	4	0.71228			
100 PPM	1	5	81.28921	10.00		
WG2112517-1	1	6	0.41746			
WG2112517-2	1	7	26.37902			

Channel 1 (Chloride) - Set: 1 / 2



Author:

Date : 9/9/2025

Channel 1 (Chloride) - Set: 2 / 2

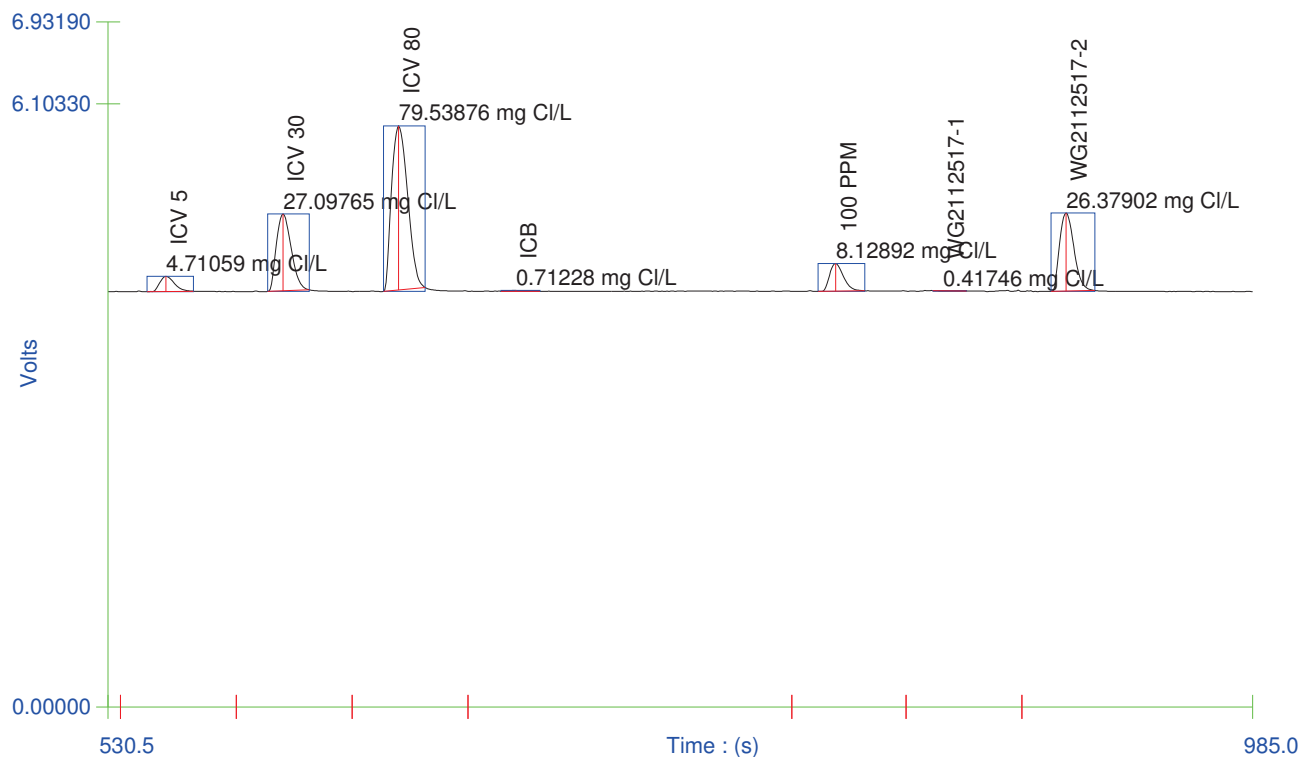
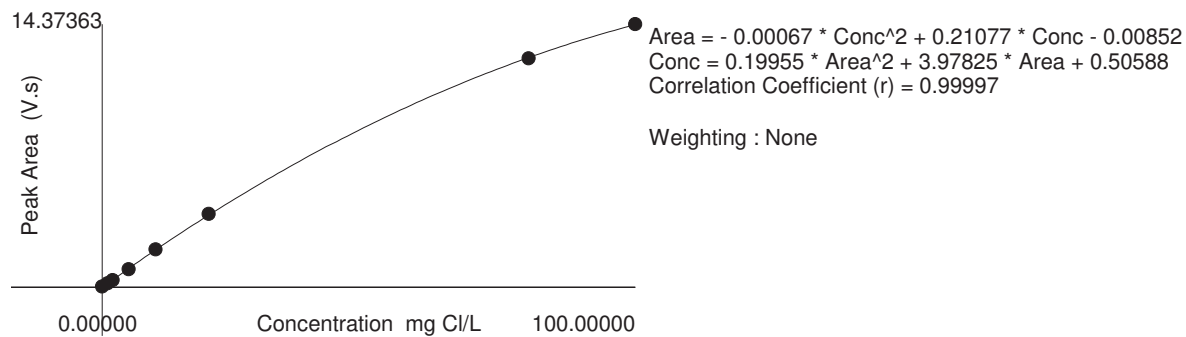


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.37363	1.88321	0.0	-0.2	98.91456	9/9/2025	4:00:12 PM
2	80.00000	1	12.50883	1.67096	0.0	0.3	81.49249	9/9/2025	4:00:57 PM
3	20.00000	1	3.99347	0.59201	0.0	-1.4	19.57525	9/9/2025	4:01:43 PM
4	10.00000	1	2.05050	0.31070	0.0	-0.9	9.50228	9/9/2025	4:02:29 PM
5	5.00000	1	0.96750	0.14457	0.0	5.9	4.54162	9/9/2025	4:03:16 PM
6	2.00000	1	0.37406	0.05592	0.0	8.8	2.02189	9/9/2025	4:04:02 PM
7	1.00000	1	0.20147	0.02854	0.0	0.1	1.31546	9/9/2025	4:04:49 PM
8	0.00000	1	0.03277	0.00264			0.63645	9/9/2025	4:05:34 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 9/9/2025

Original Run Filename: OM_9-9-2025_04-37-32PM.OMN Created: 9/9/2025 4:37:32 PM
 Original Run Author's Signature: [a1wetcheminstrument]
 Current Run Filename: OM_9-9-2025_04-37-32PM.OMN Last Modified: 9/9/2025 5:31:19 PM
 Current Run Author's Signature: [a1wetcheminstrument]
 Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	19.66386			
Known Conc:			20.00000			
Calibration:			Table/Fig. : 1			
CCB	1	S9	0.65921			
Known Conc:			0.00000			
ICV 5	1	1	4.63458			
ICV 30	1	2	27.28595			
ICV 80	1	3	80.00533			
ICB	1	4	0.73245			
100 PPM	1	5	100.05994	10.00		
WG2112517-1	1	6	0.50351			
WG2112517-2	1	7	27.03697			
L2555545-01	1	8	34762.85547	1000.00		
WG2112517-3	1	9	34499.29688	1000.00		
WG2112517-4	1	10	33660.44531	1000.00		
CCV	1	S3	19.55420			
Known Conc:			20.00000			
CCB	1	S9	0.62123			
Known Conc:			0.00000			
L2555573-01	1	11	3.96647			
L2555573-02	1	12	9.66751			
L2555573-03	1	13	5.11646			
L2555594-07	1	14	88.96461			
L2555671-01	1	15	4.88176			
L2555671-02	1	16	4.81099			
L2555671-03	1	17	25.73220			
L2555671-04	1	18	5.96826			
L2555938-01	1	19	3.22975			
L2555938-02	1	20	24.88149	10.00		
CCV	1	S3	19.16009			
Known Conc:			20.00000			
CCB	1	S9	0.65699			
Known Conc:			0.00000			
L2555938-03	1	21	3.55426			
L2555938-04	1	22	6.40126			
L2555938-05	1	23	41.50693			
L2556025-01	1	24	102.71714			
L2556025-02	1	25	5.03896			
L2556025-03	1	26	4.78170			
L2556025-04	1	27	37.06506			
L2556025-05	1	28	8.89434			
L2556025-06	1	29	239.68079			
WG2112516-1	1	30	11.26620			0.10057 g
CCV	1	S3	19.43651			
Known Conc:			20.00000			
CCB	1	S9	0.59739			
Known Conc:			0.00000			
WG2112516-2	1	31	371.28131			0.10103 g
L2548184-01	1	32	11.64883			0.10177 g
WG2112516-3	1	33	406.23090			0.10180 g
WG2112516-4	1	34	11.62131			0.10181 g
L2555527-01	1	35	140.83368			0.10057 g
L2555938-02	1	20	26.15206			
L2556025-01	1	24	97.54770	10.00		
L2556025-06	1	29	336.88318	10.00		
CCV	1	S3	19.46102			
Known Conc:			20.00000			
CCB	1	S9	0.59172			

93%
91%
100%
100%
90%

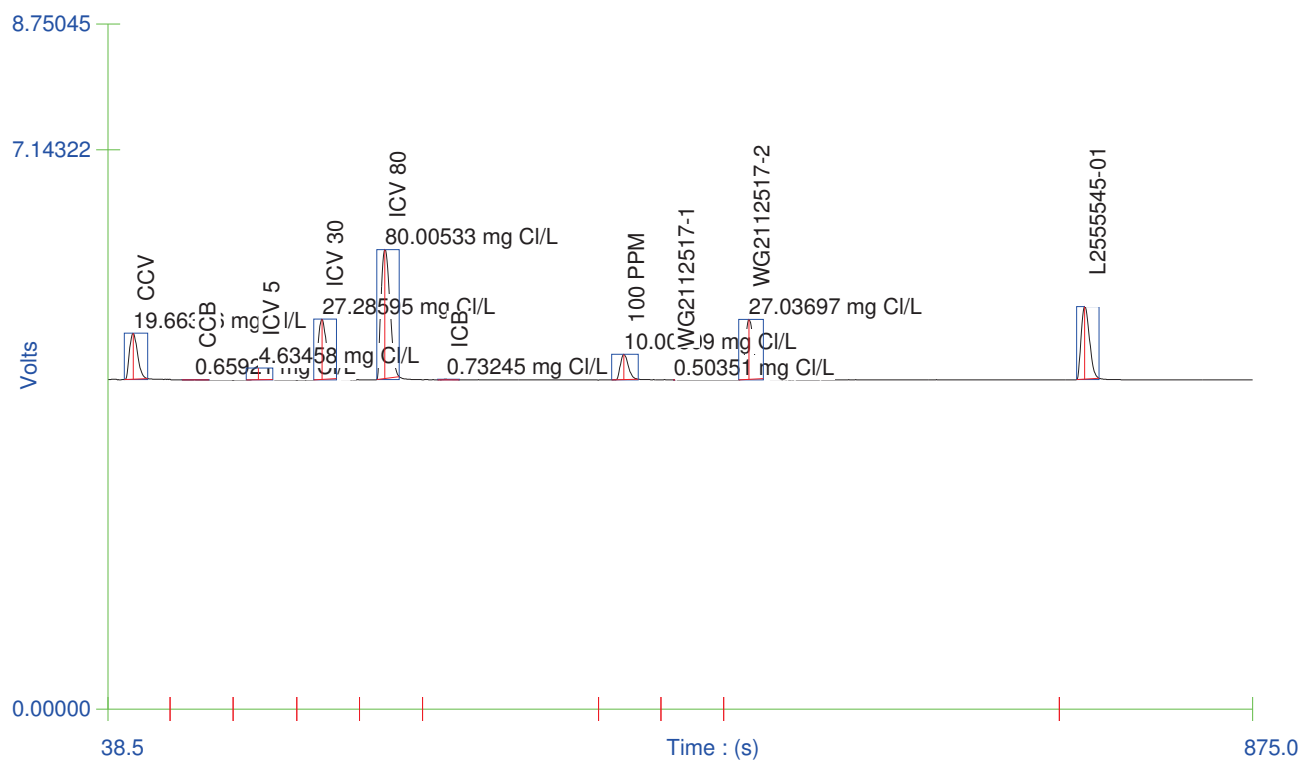
94%

Author:

Date : 9/9/2025

Known Conc:	0.00000			
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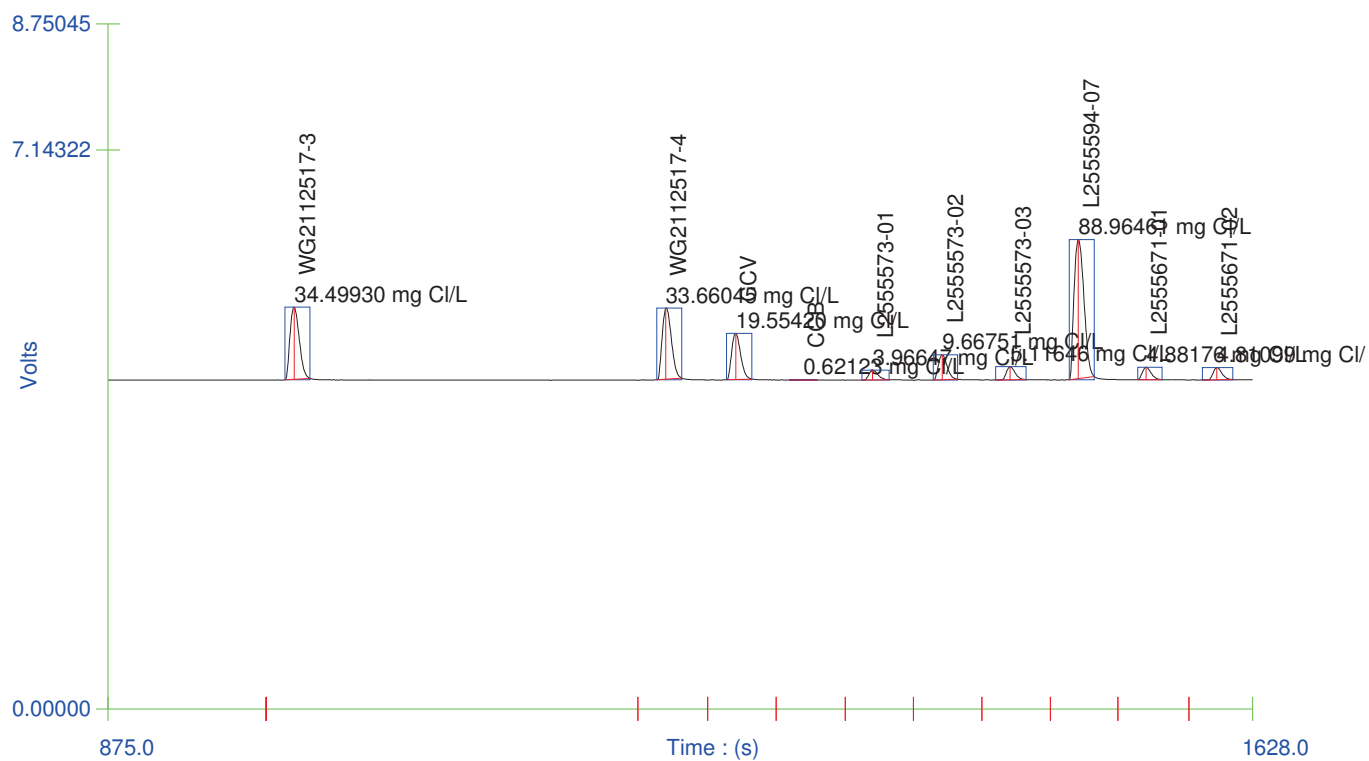
Channel 1 (Chloride) - Set: 1 / 5



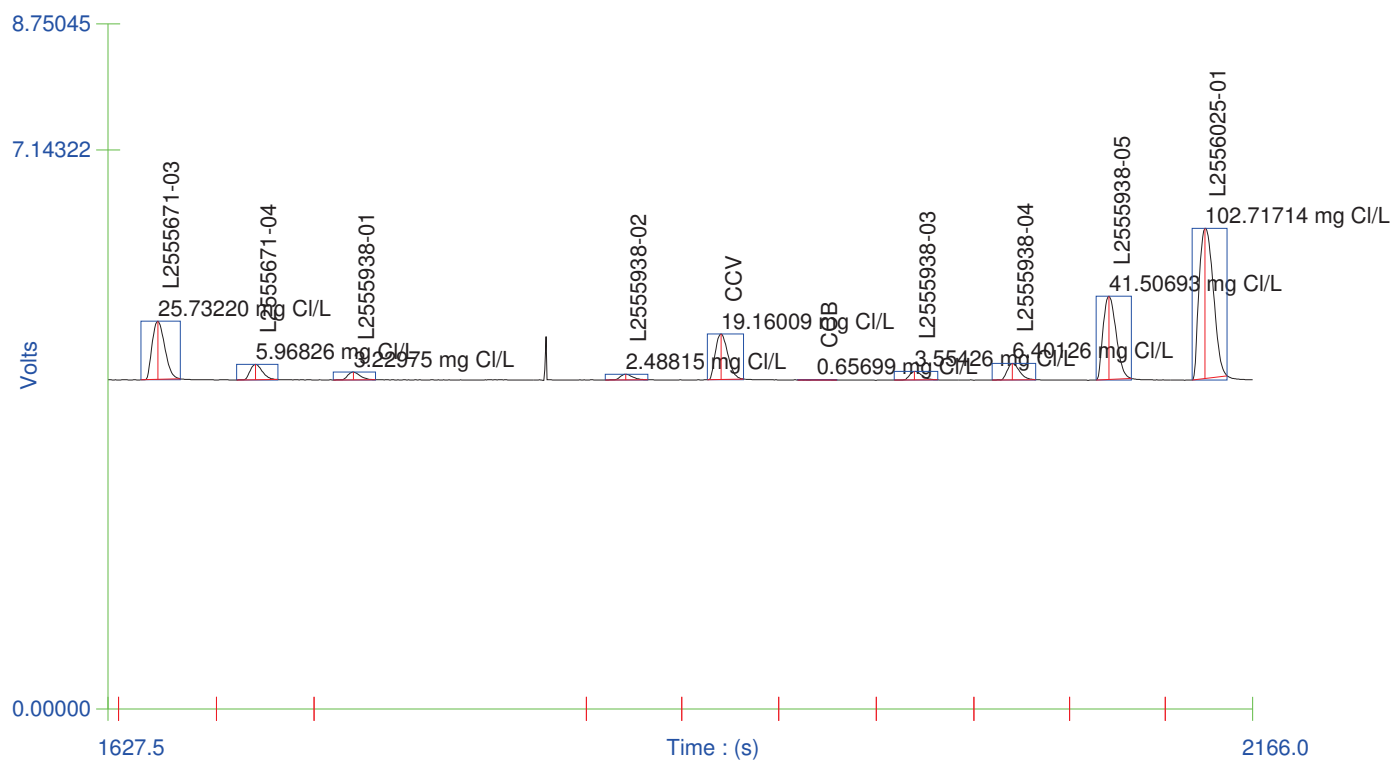
Author:

Date : 9/9/2025

Channel 1 (Chloride) - Set: 2 / 5



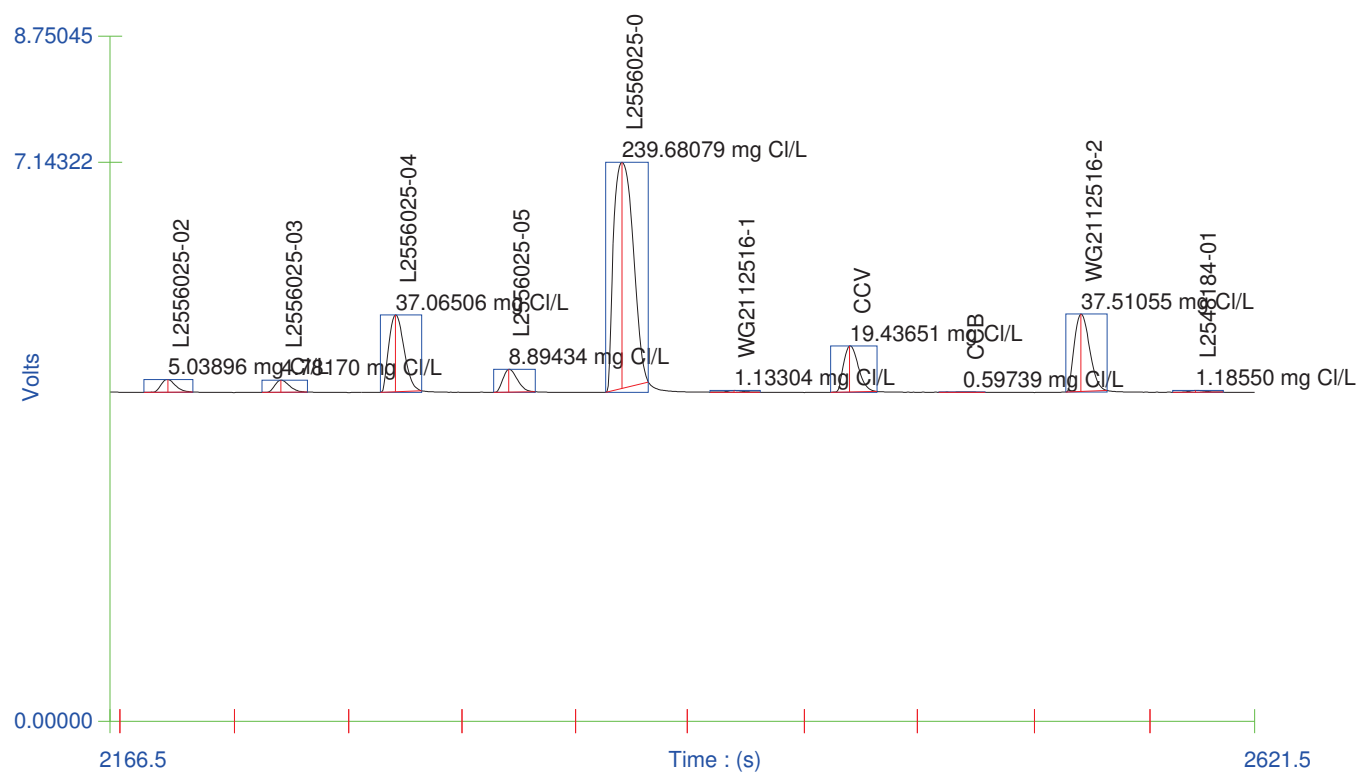
Channel 1 (Chloride) - Set: 3 / 5



Author:

Date : 9/9/2025

Channel 1 (Chloride) - Set: 4 / 5



Channel 1 (Chloride) - Set: 5 / 5

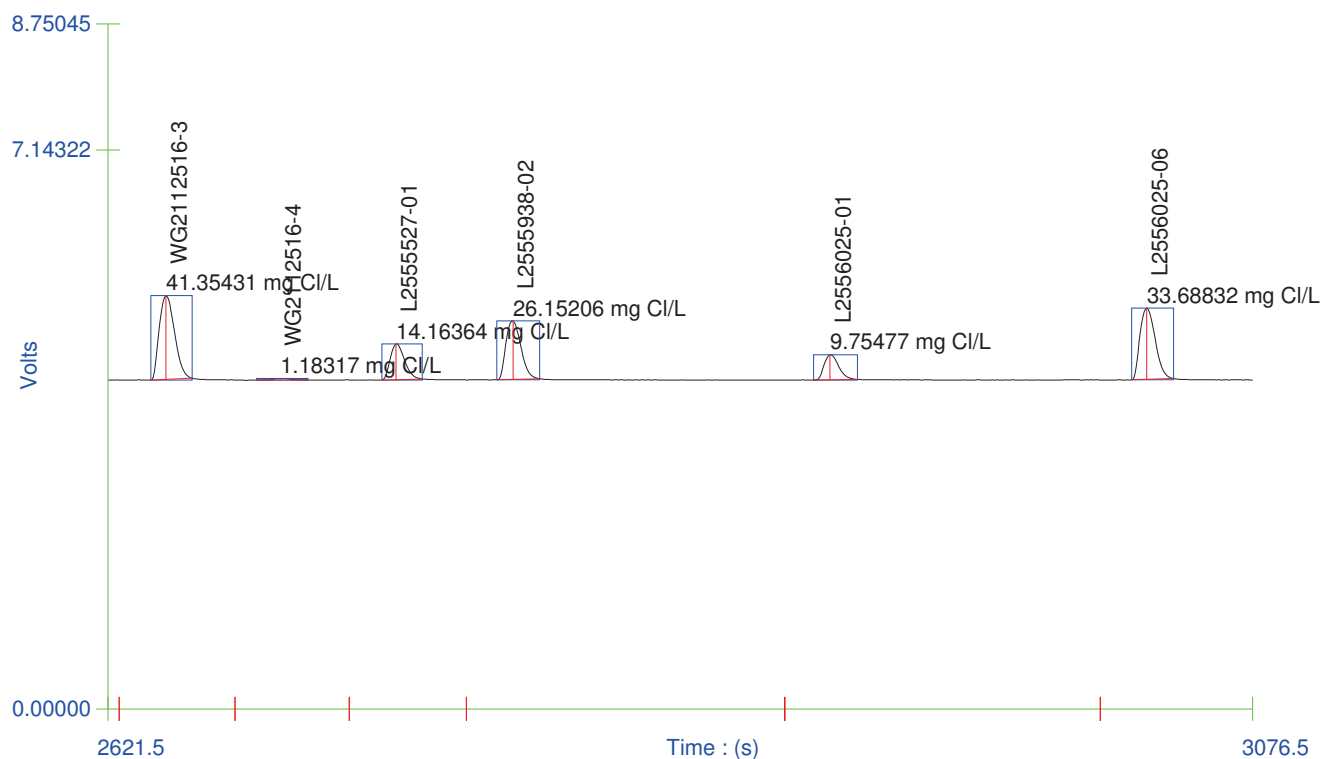
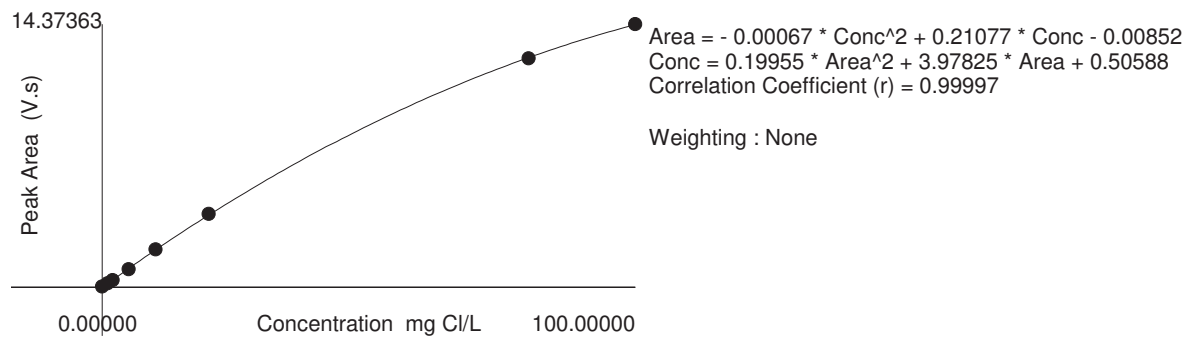


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.37363	1.88321	0.0	-0.2	98.91456	9/9/2025	4:00:12 PM
2	80.00000	1	12.50883	1.67096	0.0	0.3	81.49249	9/9/2025	4:00:57 PM
3	20.00000	1	3.99347	0.59201	0.0	-1.4	19.57525	9/9/2025	4:01:43 PM
4	10.00000	1	2.05050	0.31070	0.0	-0.9	9.50228	9/9/2025	4:02:29 PM
5	5.00000	1	0.96750	0.14457	0.0	5.9	4.54162	9/9/2025	4:03:16 PM
6	2.00000	1	0.37406	0.05592	0.0	8.8	2.02189	9/9/2025	4:04:02 PM
7	1.00000	1	0.20147	0.02854	0.0	0.1	1.31546	9/9/2025	4:04:49 PM
8	0.00000	1	0.03277	0.00264			0.63645	9/9/2025	4:05:34 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 9/9/2025

Original Run Filename: OM_9-9-2025_05-51-21PM.OMN Created: 9/9/2025 5:51:21 PM
 Original Run Author's Signature: [a1wetcheminstrument]
 Current Run Filename: OM_9-9-2025_05-51-21PM.OMN Last Modified: 9/9/2025 5:57:40 PM
 Current Run Author's Signature: [a1wetcheminstrument]
 Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			Chloride-CH3 (mg Cl/L)			
CCV	1	S3	19.52206			
Known Conc:			20.00000			
CCB	1	S9	0.63276			
Known Conc:			0.00000			
Calibration: Table/Fig. : 1						
L2556025-02	1	25	4.76184			
WG2112516-1	1	30	6.51525			0.10057 g
CCV	1	S3	19.51798			
Known Conc:			20.00000			
CCB	1	S9	0.57601			
Known Conc:			0.00000			

Channel 1 (Chloride) - Set: 1 / 1

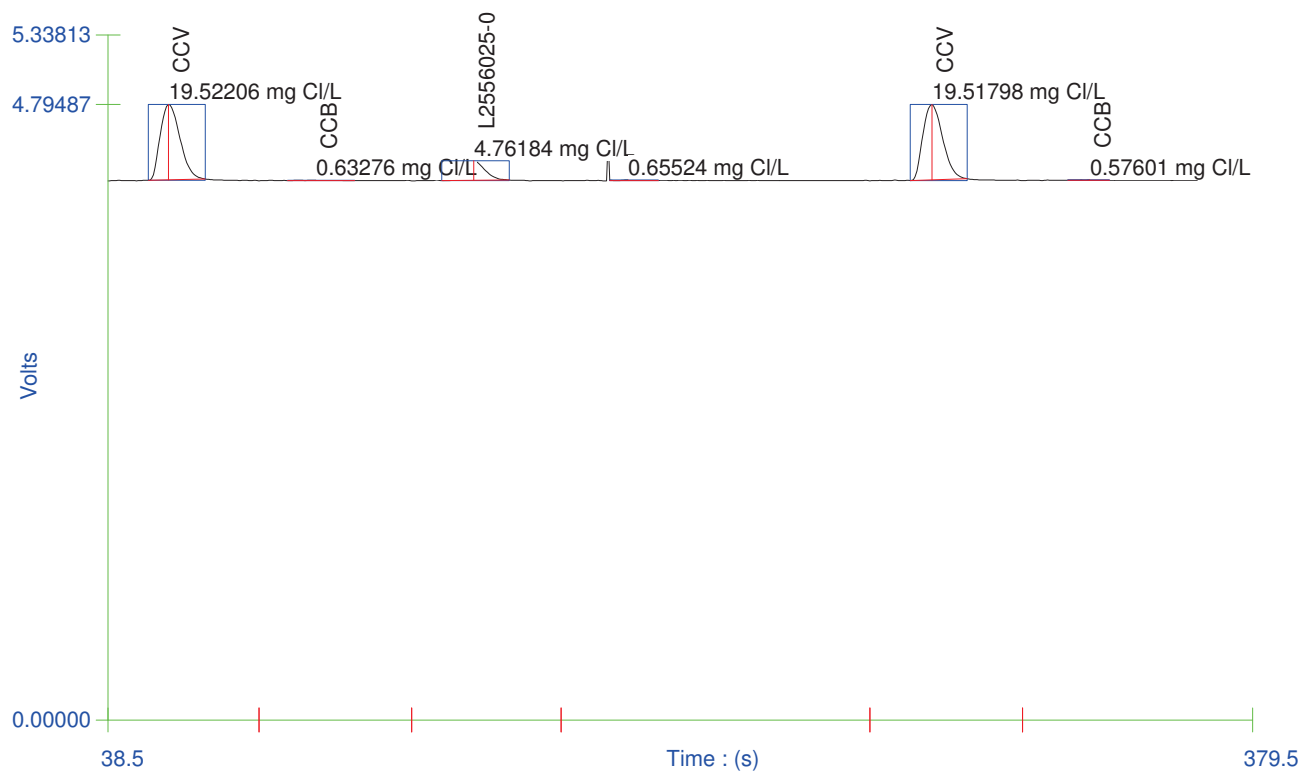
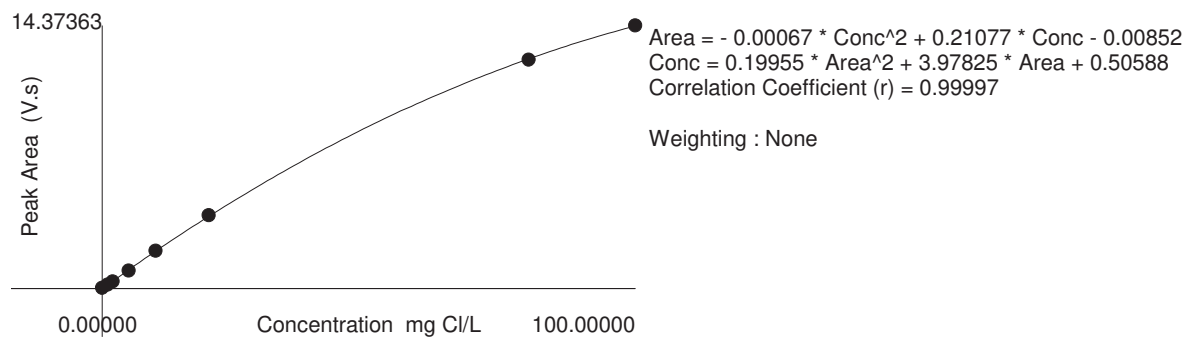


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.37363	1.88321	0.0	-0.2	98.91456	9/9/2025	4:00:12 PM
2	80.00000	1	12.50883	1.67096	0.0	0.3	81.49249	9/9/2025	4:00:57 PM
3	20.00000	1	3.99347	0.59201	0.0	-1.4	19.57525	9/9/2025	4:01:43 PM
4	10.00000	1	2.05050	0.31070	0.0	-0.9	9.50228	9/9/2025	4:02:29 PM
5	5.00000	1	0.96750	0.14457	0.0	5.9	4.54162	9/9/2025	4:03:16 PM
6	2.00000	1	0.37406	0.05592	0.0	8.8	2.02189	9/9/2025	4:04:02 PM
7	1.00000	1	0.20147	0.02854	0.0	0.1	1.31546	9/9/2025	4:04:49 PM
8	0.00000	1	0.03277	0.00264			0.63645	9/9/2025	4:05:34 PM

Figure : 1 (Chloride-CH3)



Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555545-01
 Matrix Spike : WG2112517-4
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/09/25 16:58
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Chloride	35000	20	34000	0	Q				58-140	7

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/09/25 16:50
Dup Sample ID	: WG2112517-3	DUP Analysis Date	: 09/09/25 16:54

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chloride	35000	34000	3	7



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112517-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/09/25 16:45
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Chloride	30.0	27.0	90.					90-110	7

Calculations of Chloride

Aqueous samples:

Compute sample Chloride concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (Chloride)

To compute the final results for aqueous samples, multiply the direct reading by the dilution factor. (also done using software)

$$\text{Cl mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

From Page No. _____

- 1 ICU 0-5
- 2 30
- 3 80
- 4 ICB
- 5 100ppm/ox
- 6 WH2112517-1 BLM
- 7 -2 LCS
- 8 55545-01
- 9 WH2112517-3 dup
- 10 -4 ms
- 11 55573-01
- 12 -02
- 13 -03
- 14 55594-07
- 15 55671-01
- 16 -02
- 17 -03
- 18 -04
- 19 55938-01
- 20 -02
- 21 -03
- 22 -04
- 23 -05
- 24 56025-01
- 25 -02
- 26 -03
- 27 -04
- 28 -05
- 29 -06
- 30 WH2112516-1 BLM . 10057
- 31 -2 LCS . 10163
- 32 48184-01 . 10177
- 33 WH2112516-4 ^{ms} ~~dup~~ . 1018
- 34 -3 ^{ms} ~~dup~~ . 10181
- 35 55527-01 . 10057
- 36
- 37

To Page No. _____

Fluoride Analysis

Results

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 05:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112688.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.04	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 05:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112688.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 05:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112688.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.02	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 05:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112688.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.08	0.20	0.01	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 05:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2112688.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112688-1
Client ID : WG2112688-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2112688.csv
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/10/25 05:58
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	ND	0.20	0.01	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112688-3
Client ID : WG2112688-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500F-BC
Lab File ID : WG2112688.csv
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 11:45
Date Received : 09/05/25
Date Analyzed : 09/10/25 05:58
Dilution Factor : 1
Analyst : DTH
Instrument ID :
%Solids : N/A
Date Digested : 09/09/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.12	0.20	0.02	J



Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
FLUORIDE

Last Change 03/4/13

File Flouride.xlt

Sample Number: _____

Client: _____

Analysis: FLUORIDE

Method: EPA 340.2

LCS Concentration (mg/l): 2

Spike Concentration (mg/l): 1

Product: F-340

Analysis Analyte: Fluoride,

Analysis Date: 9/10/2025 5:58

Technician: DTH

Work group: WG2112688

RL: 0.20 mg/L

Distillation Date: 9/9/2025 23:57

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve Slope y-intercept
0.2	-0.699	128.1	-0.707	0.1963	98	-60.1349922 85.575
0.5	-0.301	103.4	-0.296	0.5053	101	
1.0	0.000	85.1	0.008	1.0184	102	Correlation Coefficient
10	1.000	25.7	0.996	9.901	99	0.9999466

Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	Recovery
BLANK	50	50		YES	1.00	0	1.00	0.00	101%
ICV/LCS	50	50		YES	1.00	1.01	1.00	1.01	
SAMP L2555260-01	50	50		YES	1.00	0.849	1.00	0.85	
SAMP L2555260-02	50	50		YES	1.00	0.811	1.00	0.81	
SAMP L2555260-03	50	50		YES	1.00	0.437	1.00	0.44	
SAMP L2555260-04	50	50		YES	1.00	0.424	1.00	0.42	
SAMP L2555806-01	50	50		YES	1.00	0.114	1.00	0.11	
SAMP L2555806-02	50	50		YES	1.00	0.0981	1.00	0.10	
SAMP L2555806-03	50	50		YES	1.00	0.111	1.00	0.11	
SAMP L2555806-04	50	50		YES	1.00	0.109	1.00	0.11	
SAMP L2555806-05	50	50		YES	1.00	0.109	1.00	0.11	
SAMP L2555806-06	50	50		YES	1.00	0.113	1.00	0.11	
SAMP L2555806-07	50	50		YES	1.00	0.0841	1.00	0.08	
SAMP L2555938-01	50	50		YES	1.00	0.0444	1.00	0.04	
SAMP L2555938-02	50	50		YES	1.00	0.0267	1.00	0.03	
SAMP L2555938-03	50	50		YES	1.00	0.0235	1.00	0.02	
SAMP L2555938-04	50	50		YES	1.00	0.0779	1.00	0.08	
SAMP L2555938-05	50	50		YES	1.00	0.0296	1.00	0.03	
CCV	50	50		YES	1.00	1	1.00	1.00	
CCB	50	50		YES	1.00	0	1.00	0.00	
CCV	50	50		YES	1.00	0.99	1.00	0.99	
CCB	50	50		YES	1.00	0	1.00	0.00	
BLANK WG2112688-1	50	50		YES	1.00	0	1.00	0.00	
DUP WG2112688-3	50	50		YES	1.00	0.115	1.00	0.12	L2555806-05
Sample number	sample volume	Distill volume (ml)	Flask	Reagent	Sample Result mg/l	Meter Reading	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS WG2112688-4	50	50		YES	.11	0.923	1	0.92	81
LCS WG2112688-2	50	50		YES		1.72	2	1.72	86

last sample

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : L2555806-05
 Matrix Spike : WG2112688-4
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/10/25 05:58
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Fluoride	0.11J	1	0.92	92					69-124	13



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/10/25 05:58
Dup Sample ID	: WG2112688-3	DUP Analysis Date	: 09/10/25 05:58

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.11J	0.12J	NC	13



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112688-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/10/25 05:58
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Fluoride	2.00	1.70	86.					78-120	13



Calculations of Fluoride

When the volume of the distillate is the same as the volume of the sample used, the direct determination of Fluoride concentration is the instrument's result.

However, when analyzing soil samples or high level samples requiring a dilution, the following equations apply:

For liquids:

$$\text{Fluoride, mg/L} = (\text{mg F-/L}) \times (\text{Volume of Distillate, mL}) / \text{Volume of Sample, mL}$$

For solids:

$$\text{Fluoride, mg/Kg} = (\text{mg F-/L}) \times (\text{Volume of Distillate, mL}) / \text{Weight of Sample, gm}$$

To calculate final result for soil samples based on dry weight, multiply final result on 100 and divide on %TS (in %)

Sample Preparation

TITLE

PROJECT

Continued from Page

WG2112688



Analyst: TTH

Date & Time: 09/10/25 5:58

ICV:F 00152025-100ppm

LCS:F 00152025-100ppm

Spike:F 00152025-100ppm

Curve:WC- 3575

TISAB III: R- 4367

Sample	Volume 5mL	Final Volume 5mL	Meter
ICV			1.21
ICB			0.0
Blank			0.0
LCS			1.72
55200-01			0.849
-02			0.811
-03			0.437
-04			0.424
55200-01			0.114
-02			0.0981
-03			0.111
-04			0.109
CCV			1.00
CCB			0.0
-05			0.109
-06			0.115
-07			0.923
-08			0.113
-09			6.0841
55958-01			0.0444
-02			0.0247
-03			0.0235
-04			0.0779
-05			0.0296
CCV			0.990
CCB			0.0

Continued from Page

SIGNATURE

DATE

DISCLOSED TO AND UNDERSTOOD BY

DATE

PROPRIETARY INFORMATION

Project No. _____

ntial Book No. _____

TITLE _____

ge No.

20	Sample	Volume	Final Volume	Beck	Comments
	Blank	50 mL	50 mL	Photo #2	JTH 9/09/2025 23:57
	LCS				1.0 mL Fol 6/5/2025 700 ppm
	553260-01				
	-02				
	-03				
	-04				
	55806-01				
	-02				
	-03				
	-04				
	-05				
	-0605				
	-MS 05				
	-06				
	-07				
	55938-01				
	-02				
	-03				
	-04				
	-05				

Fluor #1

0.5 mL Fol 6/5/2025 - 100 ppm

To Page No. _____

ssed & Understood by me,

Date

Invented by:

Recorded by:

Date

Phosphates Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 14:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS091525-WG2114864,65,9	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.071	0.031	0.012	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 14:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS091525-WG2114864,65,9	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	ND	0.031	0.012	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 14:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS091525-WG2114864,65,9	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.034	0.031	0.012	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 14:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS091525-WG2114864,65,9	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.074	0.031	0.012	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/15/25 14:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: EYA
Lab File ID	: PHOS091525-WG2114864,65,9	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.012	0.031	0.012	J



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2114864-1
Client ID : WG2114864-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500P-E(M)
Lab File ID : PHOS091525-WG2114864,65,9
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/15/25 14:18
Dilution Factor : 1
Analyst : EYA
Instrument ID : SEAL2
%Solids : N/A
Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	ND	0.031	0.012	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2114864-3
Client ID : MW-13SDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,4500P-E(M)
Lab File ID : PHOS091525-WG2114864,65,9
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/05/25 09:00
Date Received : 09/05/25
Date Analyzed : 09/15/25 14:24
Dilution Factor : 1
Analyst : EYA
Instrument ID : SEAL2
%Solids : N/A
Date Digested : 09/15/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.074	0.031	0.012	



Sample Raw Data

AQ2 Tray Report



Software version : 2.4.5
 Report requested by : EAsamoah
 Date \ Time : 15-Sep-2025 15:29:17
 Tray number : 1
 Tray name : WG2114864,65,934

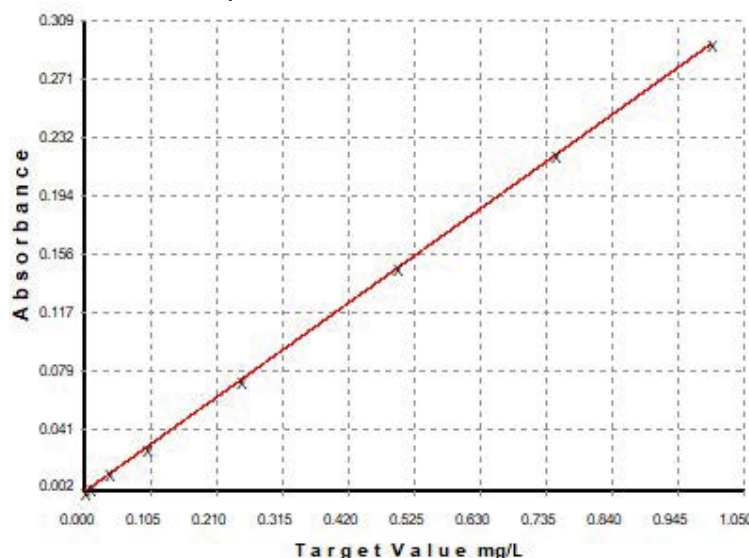
T-Phos 1

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S1	0.0025	-0.002	0.000	
S90	0.0058	0.010	0.010	-3.03
S91	0.0159	0.044	0.040	10.80
S92	0.0314	0.098	0.100	-2.45
S93	0.0757	0.249	0.250	-0.30
S94	0.1486	0.499	0.500	-0.13
S95	0.2227	0.753	0.750	0.43
S96	0.2942	0.998	1.000	-0.18
S0	0.0025	-0.002	0.000	

Polynomial Order : 1
 Correlation Coefficient : 1.0000
 Carryover(%) : -0.0
 Calibration equation: $y = bx + a$
 y =: Concentration mg/L
 x =: Measured absorbance
 a =: -1.010708E-02
 b =: 3.427476E+00
 Date & Time : 15-Sep-2025 14:15:06

Calibration Graph



Reagents

Reagent Name	Batch Number	Operator	Expiry Date
TP Working Color	TP Color-09142025	MEF	29-Sep-2025 00:00:00
TP Ascorbic	TP Ascorbic-09142025	MEF	21-Sep-2025 00:00:00

Test Results

Cup Type	ID	Sample Details	Result	Units	QC Pro	Raw Data	Auto Dil.	Man Dil.	User	Time & Date
S1	Standard 1		0.002			0.002497			EYA	15-Sep-2025 14:07:19
S90	Standard 90		0.006			0.005778			EYA	15-Sep-2025 14:08:18
S91	Standard 91		0.016			0.015880			EYA	15-Sep-2025 14:09:16
S92	Standard 92		0.031			0.031409			EYA	15-Sep-2025 14:10:14
S93	Standard 93		0.076			0.075668			EYA	15-Sep-2025 14:11:12
S94	Standard 94		0.149			0.148637			EYA	15-Sep-2025 14:12:10
S95	Standard 95		0.223			0.222708			EYA	15-Sep-2025 14:13:09
S96	Standard 96		0.294			0.294177			EYA	15-Sep-2025 14:14:07
S0	Standard 0		0.002			0.002470			EYA	15-Sep-2025 14:15:06
2	ICV	ICV 15-SEP-2025 09-11	0.455	mg/L		0.135588			EYA	15-Sep-2025 14:16:05
3	ICB	ICB 15-SEP-2025 09-11	-0.003	mg/L		0.002141			EYA	15-Sep-2025 14:17:06
4	U1	WG2114864-1O 15-SEP-2025 09-11	-0.002ELL	mg/L		0.002367			EYA	15-Sep-2025 14:18:06
5	U2	WG2114864-2O 15-SEP-2025 09-11	0.463	mg/L		0.137891			EYA	15-Sep-2025 14:19:05
6	U3	L2554486-01O 15-SEP-2025 09-11	0.031	mg/L		0.012062			EYA	15-Sep-2025 14:20:04
7	U4	L2554608-02O 15-SEP-2025 09-11	0.060	mg/L		0.020503			EYA	15-Sep-2025 14:21:03
8	U5	L2555529-01O5 15-SEP-2025 09-11	2.278	mg/L		0.135847		x5.0000	EYA	15-Sep-2025 14:22:02
9	U6	L2555938-01O 15-SEP-2025 09-11	0.023	mg/L		0.009606			EYA	15-Sep-2025 14:23:01
10	U7	WG2114864-3O 15-SEP-2025 09-11	0.024	mg/L		0.010090			EYA	15-Sep-2025 14:24:00
11	U8	WG2114864-4O 15-SEP-2025 09-11	0.515	mg/L		0.153071			EYA	15-Sep-2025 14:24:59

12	U9	L2555938-02O	15-SEP-2025 09-11	0.000	mg/L	0.003050			EYA	15-Sep-2025 14:25:58
13	U10	L2555938-03O	15-SEP-2025 09-11	0.011	mg/L	0.006217			EYA	15-Sep-2025 14:26:56
	CCV	CCV		0.479	mg/L	0.142777			EYA	15-Sep-2025 14:27:55
	CCB	CCB		-0.003	mg/L	0.002168			EYA	15-Sep-2025 14:28:56
14	U11	L2555938-04O	15-SEP-2025 09-11	0.024	mg/L	0.009868			EYA	15-Sep-2025 14:29:57
15	U12	L2555938-05O	15-SEP-2025 09-11	0.004	mg/L	0.004085			EYA	15-Sep-2025 14:30:55
16	U13	L2557391-01O10	15-SEP-2025 09-11	5.611	mg/L	0.166666	x10.0000		EYA	15-Sep-2025 14:31:54
17	U14	L2555824-01-10	15-SEP-2025 09-11	0.586	mg/L	0.020039	x10.0000		EYA	15-Sep-2025 14:32:52
18	U15	L2556081-01	15-SEP-2025 09-11	0.014	mg/L	0.007116			EYA	15-Sep-2025 14:33:50
19	U16	L2556081-02	15-SEP-2025 09-11	0.035	mg/L	0.013109			EYA	15-Sep-2025 14:34:48
20	U17	L2556180-01	15-SEP-2025 09-11	0.085	mg/L	0.027678			EYA	15-Sep-2025 14:35:46
21	U18	L2556189-01	15-SEP-2025 09-11	0.033	mg/L	0.012575			EYA	15-Sep-2025 14:36:44
22	U19	L2556189-02	15-SEP-2025 09-11	0.006	mg/L	0.004725			EYA	15-Sep-2025 14:37:45
23	U20	L2556189-03	15-SEP-2025 09-11	0.035	mg/L	0.013263			EYA	15-Sep-2025 14:38:45
	CCV	CCV		0.469	mg/L	0.139853			EYA	15-Sep-2025 14:39:18
	CCB	CCB		-0.003	mg/L	0.001981			EYA	15-Sep-2025 14:40:16
24	U21	WG2114865-3	15-SEP-2025 09-11	0.034	mg/L	0.012727			EYA	15-Sep-2025 14:41:07
25	U22	WG2114865-4	15-SEP-2025 09-11	0.520	mg/L	0.154638			EYA	15-Sep-2025 14:41:58
26	U23	L2554428-01-2	15-SEP-2025 09-11	11.165	mg/L	0.068096	x25.0000	x2.0000	EYA	15-Sep-2025 15:20:14
26	U23	L2554428-01-2	15-SEP-2025 09-11	10.707	mg/L	0.315340	x5.0000	x2.0000	EYA	15-Sep-2025 15:03:14
26	U23	L2554428-01-2	15-SEP-2025 09-11	5.250	mg/L	0.768835		x2.0000	EYA	15-Sep-2025 14:42:50
27	U24	L2554428-02-5	15-SEP-2025 09-11	0.994	mg/L	0.060975		x5.0000	EYA	15-Sep-2025 14:43:41
28	U25	WG2114934-3-5	15-SEP-2025 09-11	1.075	mg/L	0.065681		x5.0000	EYA	15-Sep-2025 14:44:32
29	U26	WG2114934-4-5	15-SEP-2025 09-11	1.512	mg/L	0.091159		x5.0000	EYA	15-Sep-2025 14:45:23
30	U27	L2554428-03-5	15-SEP-2025 09-11	1.252	mg/L	0.076009		x5.0000	EYA	15-Sep-2025 14:46:14
	CCV	CCV		0.467	mg/L	0.139196			EYA	15-Sep-2025 14:47:05
	CCB	CCB		-0.002	mg/L	0.002392			EYA	15-Sep-2025 14:47:57
	CCV	CCV		0.492	mg/L	0.146370			EYA	15-Sep-2025 15:01:31
	CCB	CCB		-0.003	mg/L	0.002206			EYA	15-Sep-2025 15:02:22
	CCV	CCV		0.486	mg/L	0.144731			EYA	15-Sep-2025 15:04:05
	CCB	CCB		-0.003	mg/L	0.002106			EYA	15-Sep-2025 15:04:57
	CCV	CCV		0.476	mg/L	0.141968			EYA	15-Sep-2025 15:18:30
	CCB	CCB		-0.003	mg/L	0.002021			EYA	15-Sep-2025 15:19:22
	CCV	CCV		0.475	mg/L	0.141643			EYA	15-Sep-2025 15:21:05
	CCB	CCB		-0.002	mg/L	0.002404			EYA	15-Sep-2025 15:21:56

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-13S
 Lab Sample ID : L2555938-01
 Matrix Spike : WG2114864-4
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER

MS Analysis Date : 09/15/25 14:24
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Phosphate, Total	0.071	1.53	1.58	99					80-120	15



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-13S	Matrix	: WATER
Lab Sample ID	: L2555938-01	Analysis Date	: 09/15/25 14:23
Dup Sample ID	: WG2114864-3	DUP Analysis Date	: 09/15/25 14:24

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Phosphate, Total	0.071	0.074	4	15



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2114864-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/15/25 14:19
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Phosphate, Total	1.53	1.42	93.					84-118	15



Calculations of TPhosphorus

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve. All calculations are done by SEAL (segment flow spectrometer).

$$\text{Mg TPhosphorus/L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Total Suspended Solids Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	10	NA	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	10	NA	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	10	NA	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	10	NA	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/09/25 20:30
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 121,2540D	Analyst	: REM
Lab File ID	: WG2112649.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	10	NA	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112649-1
Client ID : WG2112649-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540D
Lab File ID : WG2112649.pdf
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/09/25 20:30
Dilution Factor : 1
Analyst : REM
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	5.0	NA	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2112649-3
Client ID : WG2112649-3 DUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 121,2540D
Lab File ID : WG2112649.pdf
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/04/25 08:00
Date Received : 09/04/25
Date Analyzed : 09/09/25 20:30
Dilution Factor : 4
Analyst : REM
Instrument ID : BALANCE#22
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	120	20	NA	



Form 1

WETCHEM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Lab ID : WG2112649-4
 Client ID : WG2112649-4 DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 121,2540D
 Lab File ID : WG2112649.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Date Collected : 09/05/25 08:15
 Date Received : 09/05/25
 Date Analyzed : 09/09/25 20:30
 Dilution Factor : 1
 Analyst : REM
 Instrument ID : BALANCE#22
 %Solids : N/A
 Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Suspended	ND	5.0	NA	U



Sample Raw Data

Page 3283 of 3595

WorkGroup	WG2112649	Temp In (C)	105	Temp In (C)	105	Temp In (C)	105	Temp In (C)	105	Temp In (C)	105	LCS Lot #	93537	TrueValue	236.6	Units	mg/l
Title	Solids, Total Suspended	Temp Out (C)	105	Temp Out (C)	105	Temp Out (C)	105	Temp Out (C)	105	Temp Out (C)	105						
Method	SM2540D	Time In	09-SEP-25 21:15	Time In	10-SEP-25 09:33	Time In	10-SEP-25 09:33	Time In	10-SEP-25 12:41	Time In	10-SEP-25 12:41						
Instrument	BALANCE#22	Time Out	10-SEP-25 09:11	Time Out	10-SEP-25 09:11	Time Out	10-SEP-25 11:51	Time Out	10-SEP-25 14:13	Time Out	10-SEP-25 14:13						
Sample #	Analysis Date	Analyst	Cup ID	Temp In (C)	Time In	Temp In (C)	Time In	Temp In (C)	Time In	Temp In (C)	Time In	Sample Volume (ml)	Result mg/L	Dil	Comment		
L2555605-08	09-SEP-25 20:30	RENATA MUKHAMETZHAN	16	18364756	.4025	.4035	.4036	.4035	.4036	.4036	.4036	875	1.14	1.1	VOL		
L2555630-01	09-SEP-25 20:30	OVA	17	18364756	.3977	.4143	.4142	.4143	.4142	.4142	.4142	1000	16.50	1			
L2555770-01	09-SEP-25 20:30	RENATA MUKHAMETZHAN	18	18364756	.3969	.3983	.3983	.3983	.3983	.3983	.3983	1000	1.40	1			
L2555938-01	09-SEP-25 20:30	OVA	19	18364756	.4011	.4011	.4012	.4011	.4012	.4012	.4012	500	0.00	2	VOL		
L2555938-02	09-SEP-25 20:30	RENATA MUKHAMETZHAN	20	18364756	.3987	.399	.3992	.399	.3992	.3992	.3992	500	0.60	2	VOL		
L2555938-03	09-SEP-25 20:30	OVA	21	18364756	.3986	.3987	.3988	.3987	.3988	.3988	.3988	500	0.20	2	VOL		
L2555938-04	09-SEP-25 20:30	RENATA MUKHAMETZHAN	22	18364756	.3986	.3987	.3989	.3987	.3989	.3989	.3989	500	0.20	2	VOL		
L2555938-05	09-SEP-25 20:30	OVA	23	18364756	.399	.401	.4012	.401	.4012	.4012	.4012	500	4.00	2	VOL		
WG2112649-1	09-SEP-25 20:30	RENATA MUKHAMETZHAN	1	18364756	.3986	.3986	.3988	.3986	.3988	.3988	.3988	1000	0.00	1			
WG2112649-2	09-SEP-25 20:30	OVA	24	18364756	.4019	.4548	.4547	.4548	.4547	.4547	.4547	250	211.20	4			
WG2112649-3	09-SEP-25 20:30	RENATA MUKHAMETZHAN	2	18364756	.3977	.4284	.4287	.4284	.4287	.4287	.4287	250	122.80	4			
WG2112649-4	09-SEP-25 20:30	OVA	3	18364756	.3968	.3978	.3977	.3978	.3977	.3977	.3977	1000	0.90	1			

Quality Control

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/09/25 20:30
Dup Sample ID	: WG2112649-3	DUP Analysis Date	: 09/09/25 20:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Suspended	130	120	8	32



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 09/09/25 20:30
Dup Sample ID	: WG2112649-4	DUP Analysis Date	: 09/09/25 20:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Suspended	ND	ND	NC	32

Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2112649-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/09/25 20:30
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Solids, Total Suspended	237.	210.	89.					80-120	32



Calculations of TSS

$$\text{mgTSS/L} = \frac{(A - B) \times 1000}{\text{Sample volume, (L)}}$$

Where:

A = Final weight (weight of filter + dried residue, g)

B = Initial weight (weight of clean filter, g)

Wet Chemistry
By
IC Methods

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-01	Date Collected	: 09/05/25 09:00
Client ID	: MW-13S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 21:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: AVT,
Lab File ID	: WG2113249-52-57-58	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.067	0.050	0.013	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-02	Date Collected	: 09/05/25 08:55
Client ID	: MW-13D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 22:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: AVT,
Lab File ID	: WG2113249-52-57-58	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.025	0.050	0.013	J



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-03	Date Collected	: 09/05/25 10:10
Client ID	: MW-10S	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 22:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: AVT,
Lab File ID	: WG2113249-52-57-58	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-04	Date Collected	: 09/05/25 10:15
Client ID	: MW-10D	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 22:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: AVT,
Lab File ID	: WG2113249-52-57-58	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.032	0.050	0.013	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2555938-05	Date Collected	: 09/05/25 11:30
Client ID	: SCDOH-DR	Date Received	: 09/05/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 09/10/25 22:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: AVT,
Lab File ID	: WG2113249-52-57-58	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.027	0.050	0.013	J



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2113257-1
Client ID : WG2113257-1BLANK
Sample Location :
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2113257-58
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : NA
Date Received : NA
Date Analyzed : 09/10/25 16:55
Dilution Factor : 1
Analyst : AVT,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U



Form 1
WETCHEM

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM MATERIALS
Lab ID : WG2113257-4
Client ID : MW-13DDUP
Sample Location :
Sample Matrix : WATER
Analytical Method : 44,300.0
Lab File ID : WG2113249-52-57-58
Sample Amount :
Digestion Method :

Lab Number : L2555938
Project Number : 2232.0006Y005
Date Collected : 09/05/25 08:55
Date Received : 09/05/25
Date Analyzed : 09/11/25 00:58
Dilution Factor : 1
Analyst : AVT,
Instrument ID : IC3
%Solids : N/A
Date Digested :

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.025	0.050	0.013	J

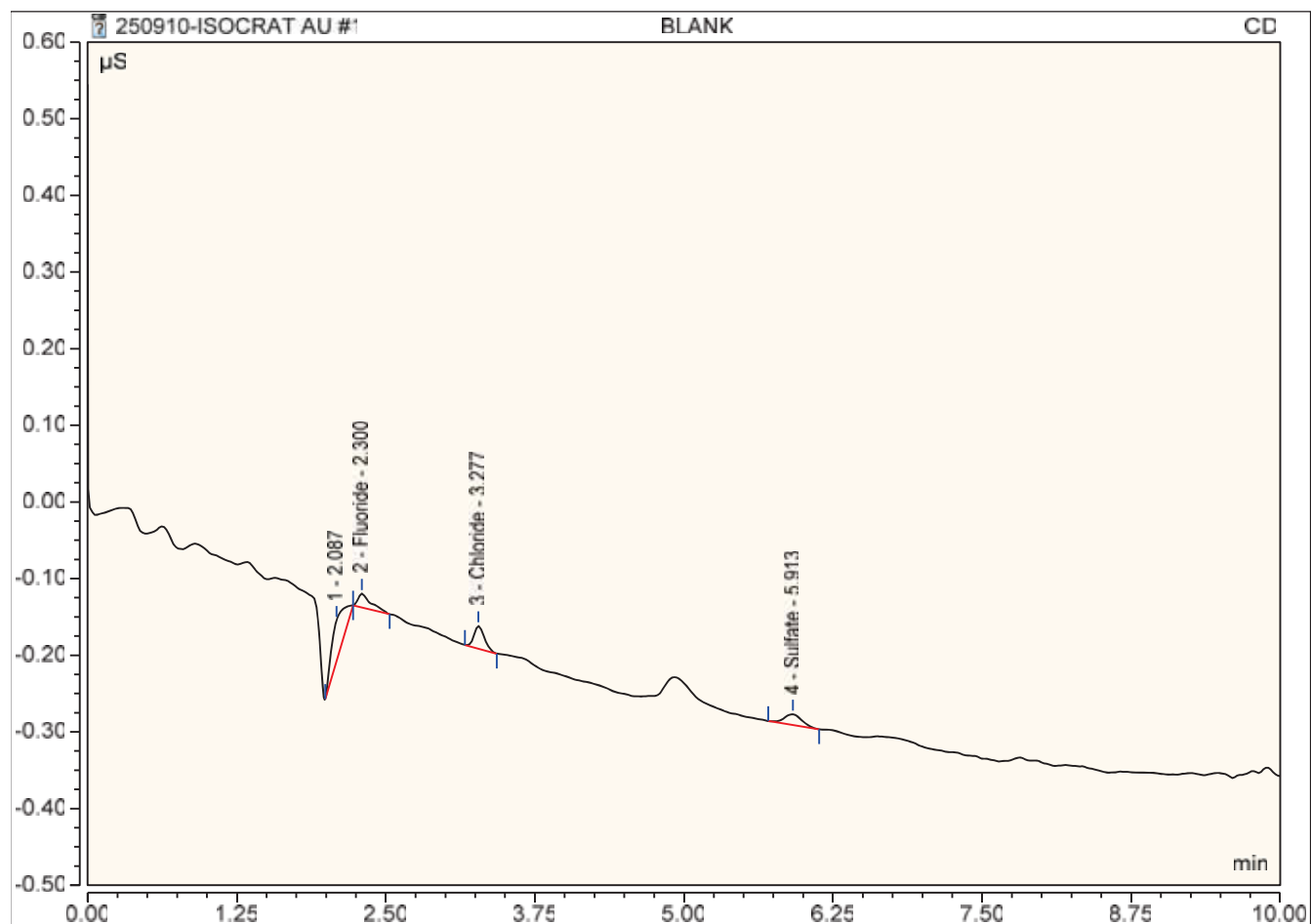


Sample Raw Data

Peak Integration Report

Sample Name:	BLANK	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 15:05	Run Time:	10.00

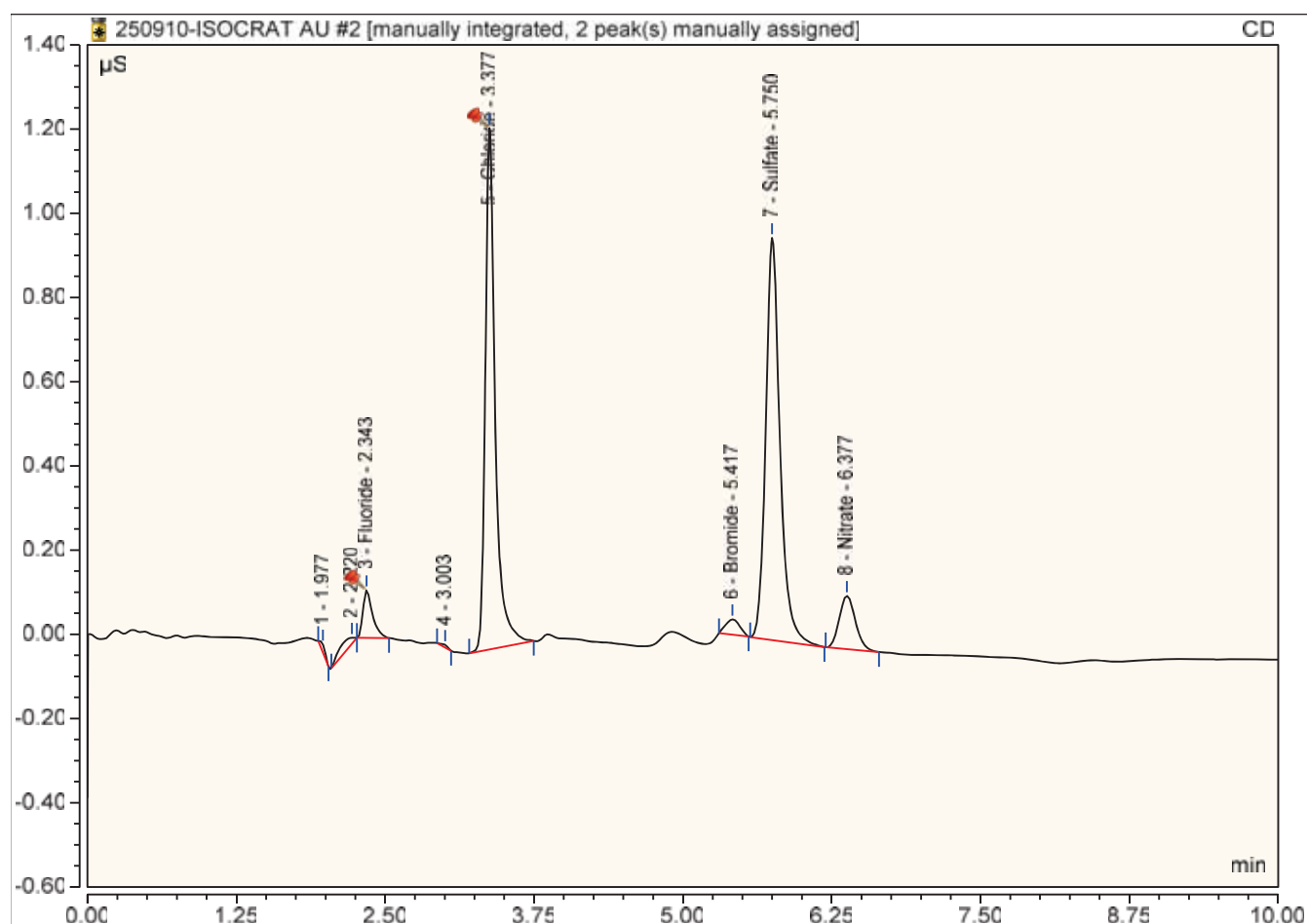
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.002	0.018	0.0274
3	3.28	Chloride	BMB	0.003	0.030	0.0814
4	5.91	Sulfate	BMB	0.002	0.014	0.2597
TOTAL:				0.01	0.06	0.37



Peak Integration Report

Sample Name:	STD 0.5	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 15:17	Run Time:	10.00

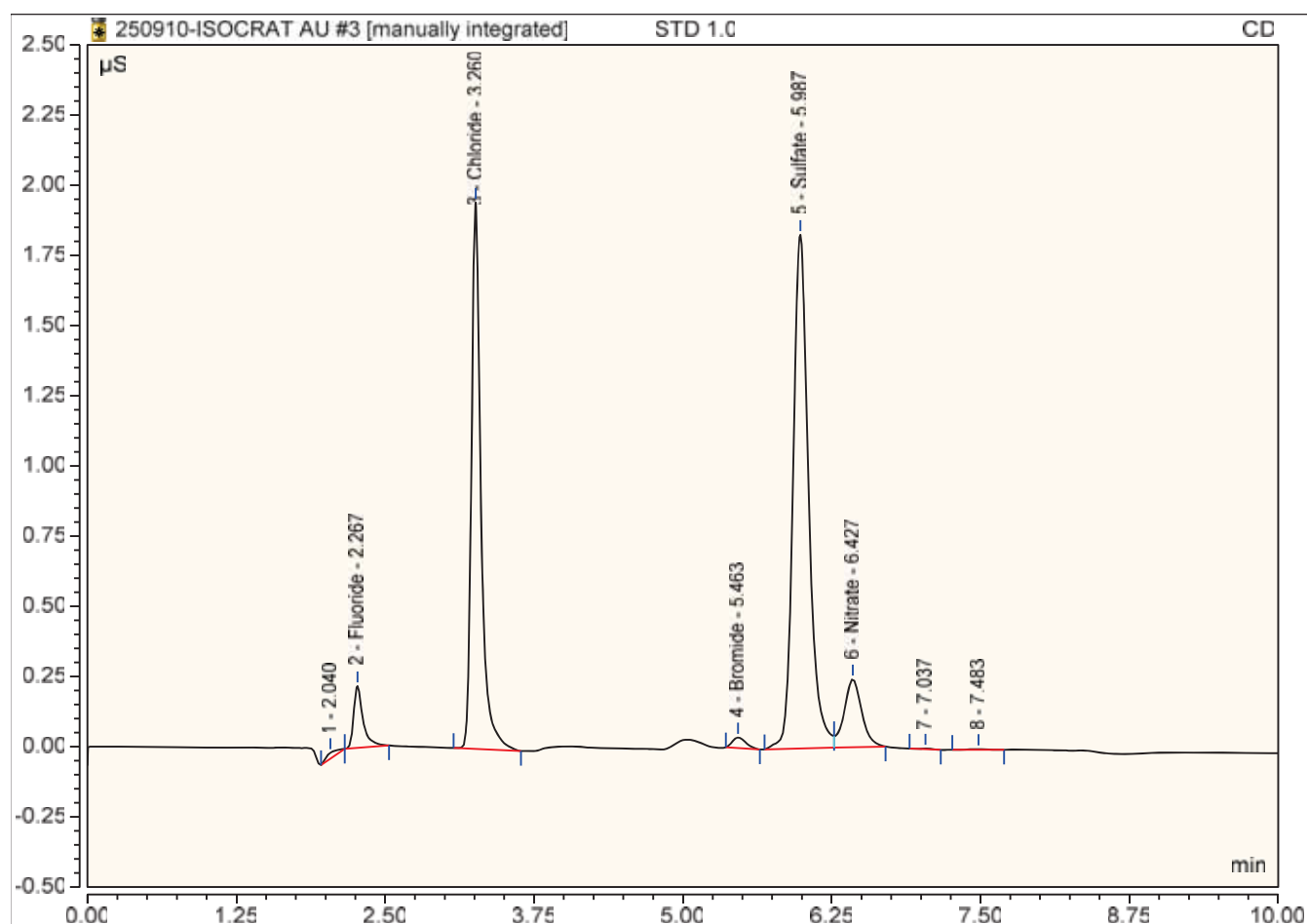
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	2.34	Fluoride	BMB^	0.011	0.114	0.0407
5	3.38	Chloride	BMB^	0.120	1.238	0.3557
6	5.42	Bromide	BMB*	0.005	0.036	0.0594
7	5.75	Sulfate	BMB	0.132	0.955	0.6728
8	6.38	Nitrate	BMB	0.020	0.127	0.0482
TOTAL:				0.29	2.47	1.18



Peak Integration Report

Sample Name:	STD 1.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 15:29	Run Time:	10.00

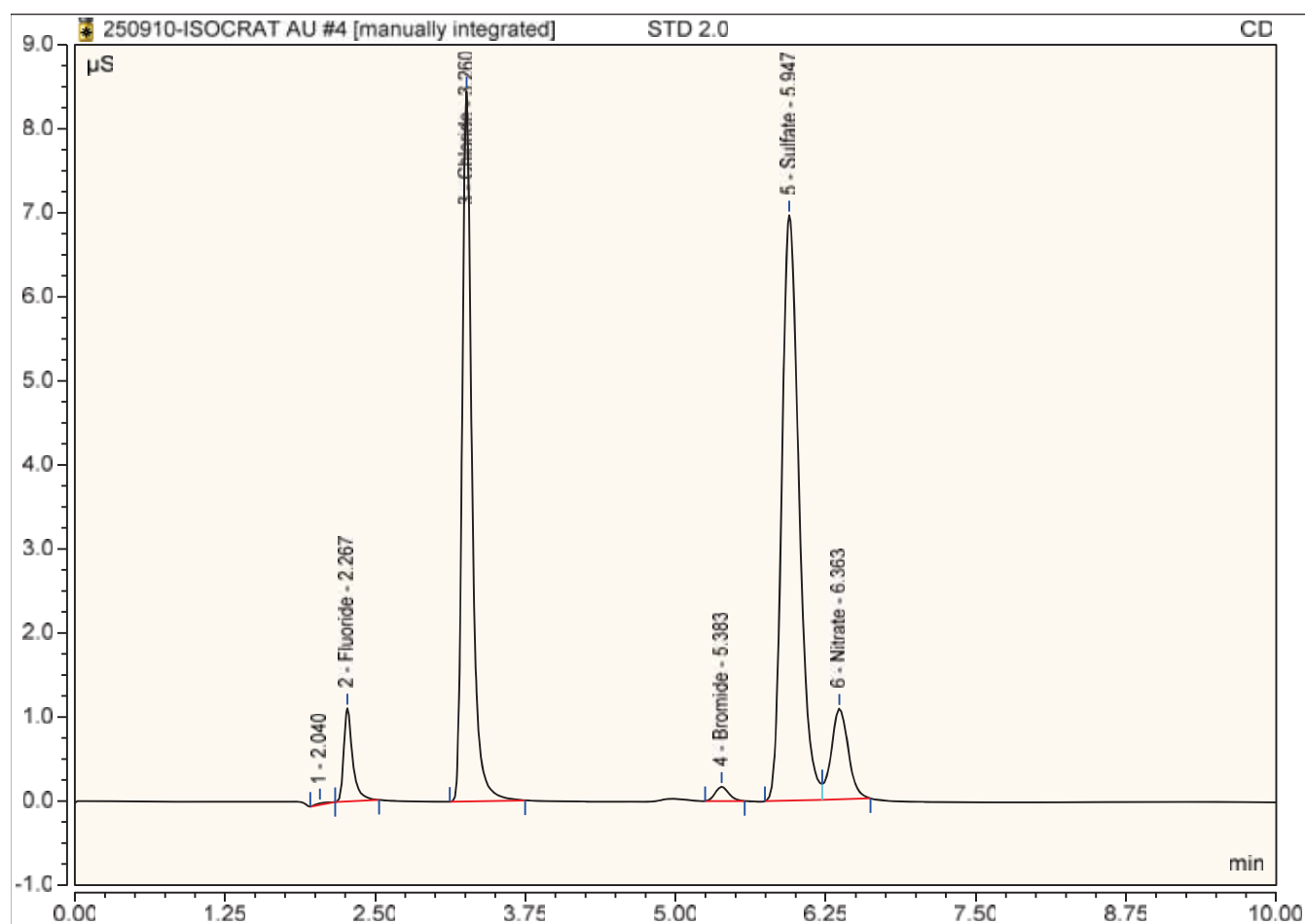
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.020	0.220	0.0560
3	3.26	Chloride	BMB	0.182	1.946	0.5029
4	5.46	Bromide	BMB	0.005	0.038	0.0590
5	5.99	Sulfate	BM *	0.277	1.830	1.1347
6	6.43	Nitrate	MB*	0.041	0.242	0.0681
TOTAL:				0.53	4.28	1.82



Peak Integration Report

Sample Name:	STD 2.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 15:41	Run Time:	10.00

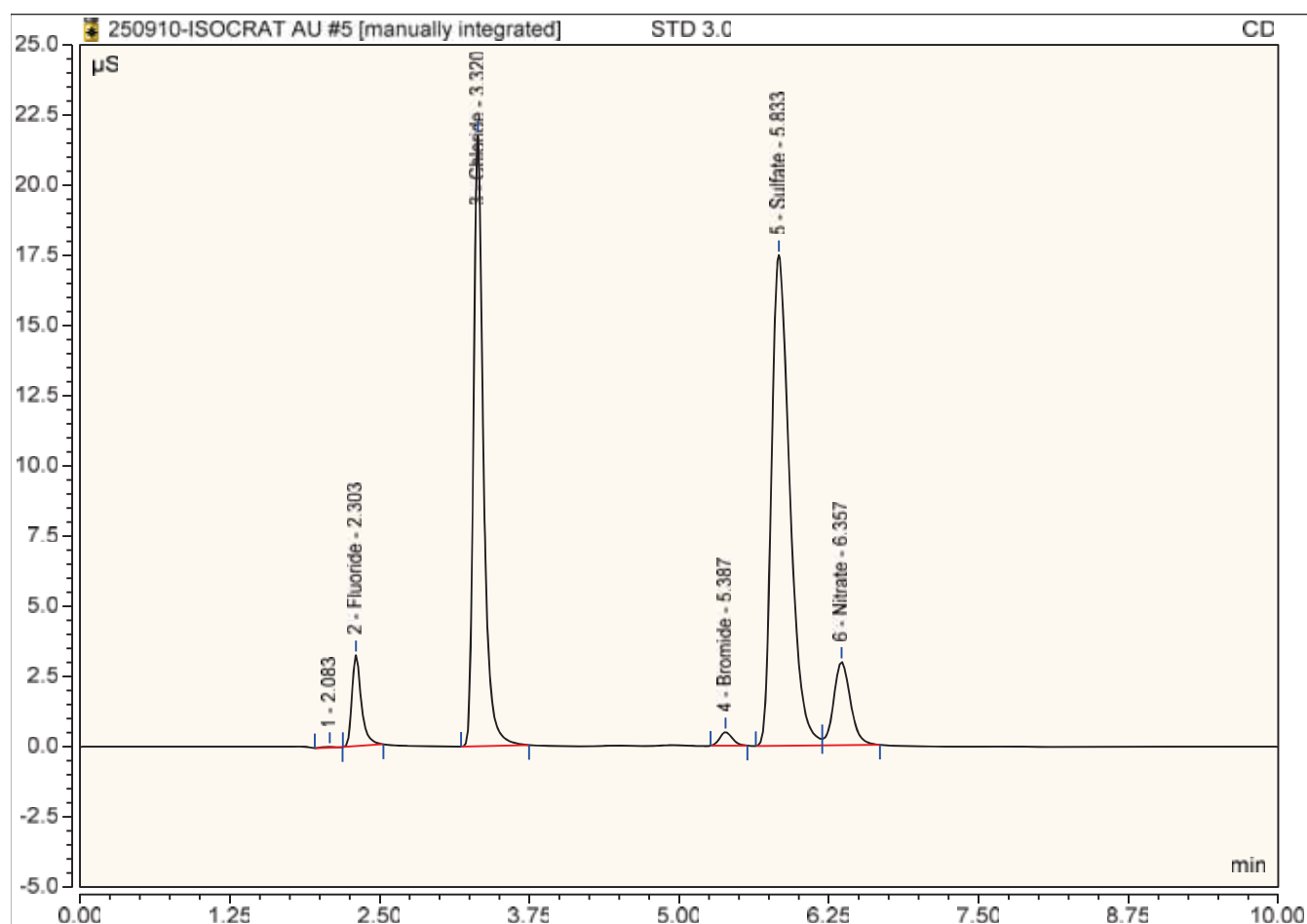
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.095	1.108	0.1767
3	3.26	Chloride	BMB	0.797	8.449	1.9498
4	5.38	Bromide	BMB*	0.022	0.170	0.1848
5	5.95	Sulfate	BM *	1.161	6.965	3.9584
6	6.36	Nitrate	MB*	0.178	1.079	0.1932
TOTAL:				2.25	17.77	6.46



Peak Integration Report

Sample Name:	STD 3.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 15:53	Run Time:	10.00

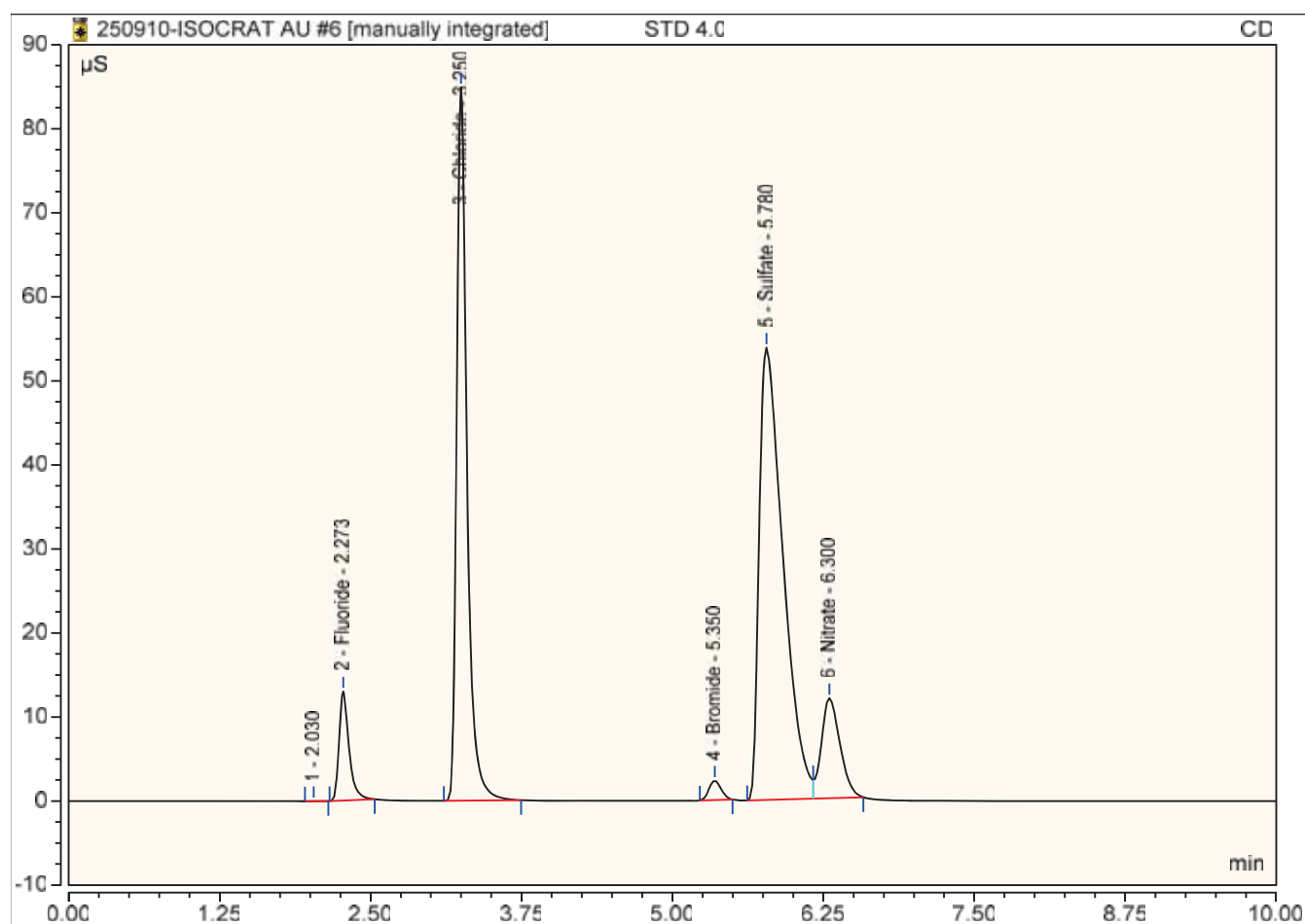
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.293	3.241	0.4950
3	3.32	Chloride	BMB	2.094	21.742	5.0034
4	5.39	Bromide	BMB*	0.060	0.481	0.4612
5	5.83	Sulfate	BM *	3.087	17.470	10.1044
6	6.36	Nitrate	MB*	0.483	2.965	0.4740
TOTAL:				6.02	45.90	16.54



Peak Integration Report

Sample Name:	STD 4.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 16:05	Run Time:	10.00

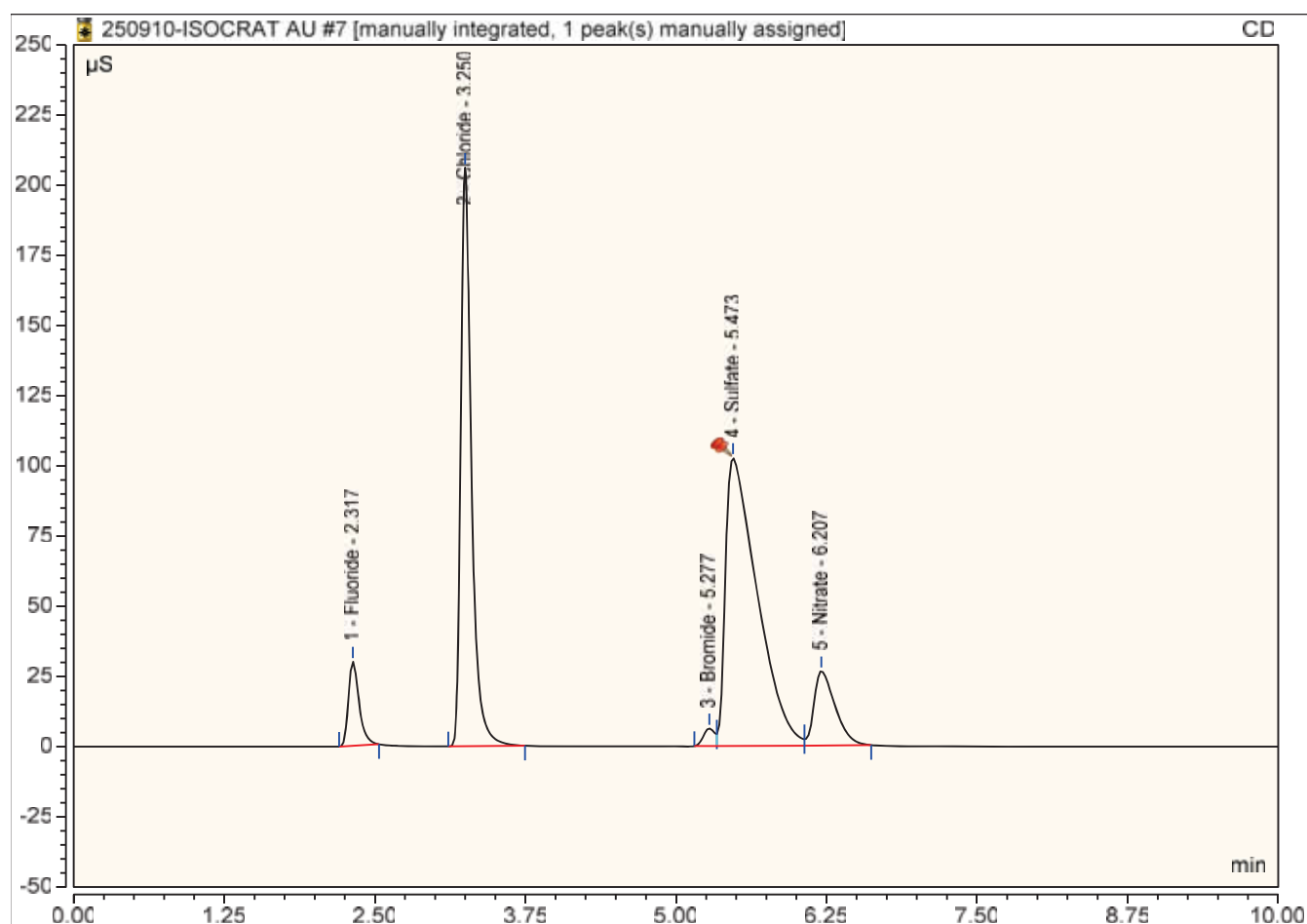
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	1.233	12.986	2.0088
3	3.25	Chloride	BMB	8.422	84.885	19.8951
4	5.35	Bromide	BMB*	0.270	2.299	2.0106
5	5.78	Sulfate	BM *	12.265	53.790	39.4012
6	6.30	Nitrate	MB*	2.124	11.894	1.9817
TOTAL:				24.31	165.85	65.30



Peak Integration Report

Sample Name:	STD 5.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 16:17	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.32	Fluoride	BMB	3.089	29.965	4.9978
2	3.25	Chloride	BMB	21.232	206.030	50.0431
3	5.28	Bromide	BM *	0.685	6.312	5.0625
4	5.47	Sulfate	M ^A	31.322	102.630	100.2286
5	6.21	Nitrate	MB*	5.419	26.535	5.0099
TOTAL:				61.75	371.47	165.34

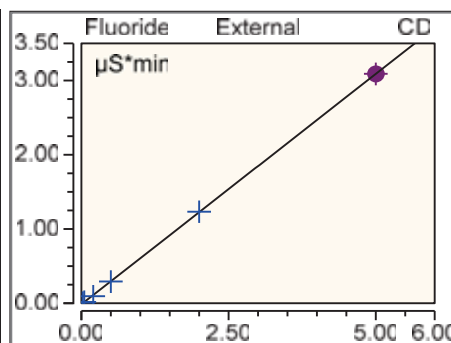


Calibration Batch Report

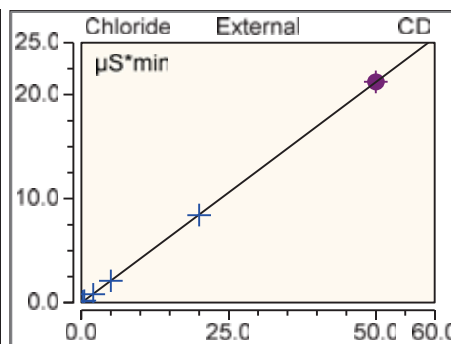
Sequence:	250910-ISOCRAT AU	Injection Volume:	25.00
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	08-Aug-2025 / 16:17	Run Time:	10

Calibration Summary							
Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	in, WithOffset	6.000	-0.015	0.621	0.000	99.9951
Chloride	Area	in, WithOffset	6.000	-0.032	0.425	0.000	99.9986
Bromide	Area	in, WithOffset	5.000	-0.003	0.136	0.000	99.8871
Sulfate	Area	in, WithOffset	6.000	-0.079	0.313	0.000	99.9939
Nitrate	Area	in, WithOffset	6.000	-0.033	1.088	0.000	99.9895
AVERAGE:				-0.0322	0.5167	0.0000	99.9728

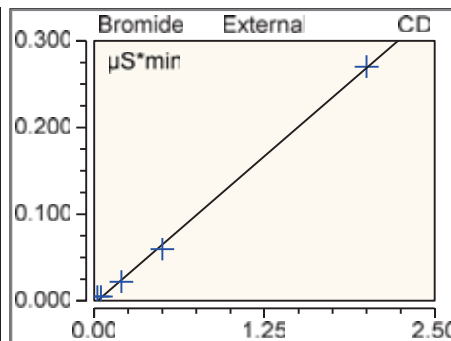
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Fluoride 2.343	Fluoride 0.0106	Fluoride 0.114	Fluoride 0.041
STD 1.0	2.267	0.0201	0.220	0.056
STD 2.0	2.267	0.0951	1.108	0.177
STD 3.0	2.303	0.2927	3.241	0.495
STD 4.0	2.273	1.2327	12.986	2.009
STD 5.0	2.317	3.0887	29.965	4.998
Average	2.295			
Rel. Std. Dev.	1.371 %			



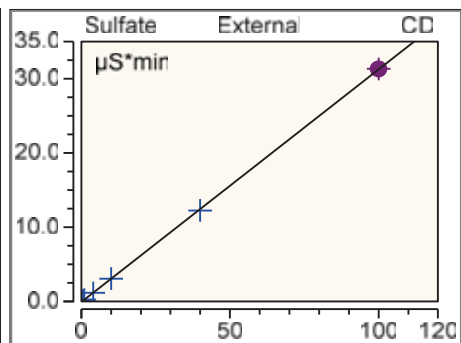
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Chloride 3.377	Chloride 0.1196	Chloride 1.238	Chloride 0.356
STD 1.0	3.260	0.1821	1.946	0.503
STD 2.0	3.260	0.7969	8.449	1.950
STD 3.0	3.320	2.0943	21.742	5.003
STD 4.0	3.250	8.4219	84.885	19.895
STD 5.0	3.250	21.2318	206.030	50.043
Average	3.286			
Rel. Std. Dev.	1.571 %			



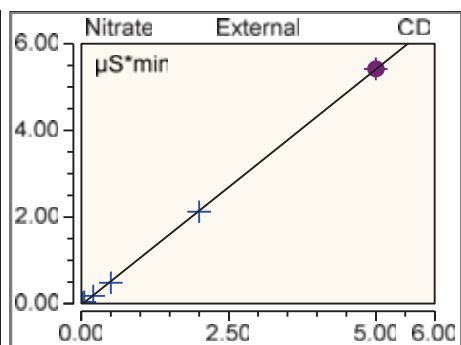
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Bromide 5.417	Bromide 0.0050	Bromide 0.036	Bromide 0.059
STD 1.0	5.463	0.0049	0.038	0.059
STD 2.0	5.383	0.0220	0.170	0.185
STD 3.0	5.387	0.0596	0.481	0.461
STD 4.0	5.350	0.2702	2.299	2.011
STD 5.0	5.277	0.6851	6.312	5.063
Average	5.379			
Rel. Std. Dev.	1.173 %			



Injection Name	Ret. Time min CD	Area $\mu\text{S} \cdot \text{min}$ CD	Height μS CD	Amount CD
STD 0.5	Sulfate 5.750	Sulfate 0.1318	Sulfate 0.955	Sulfate 0.673
STD 1.0	5.987	0.2765	1.830	1.135
STD 2.0	5.947	1.1612	6.965	3.958
STD 3.0	5.833	3.0867	17.470	10.104
STD 4.0	5.780	12.2653	53.790	39.401
STD 5.0	5.473	31.3224	102.630	100.229
Average	5.795			
Rel. Std. Dev.	3.153 %			



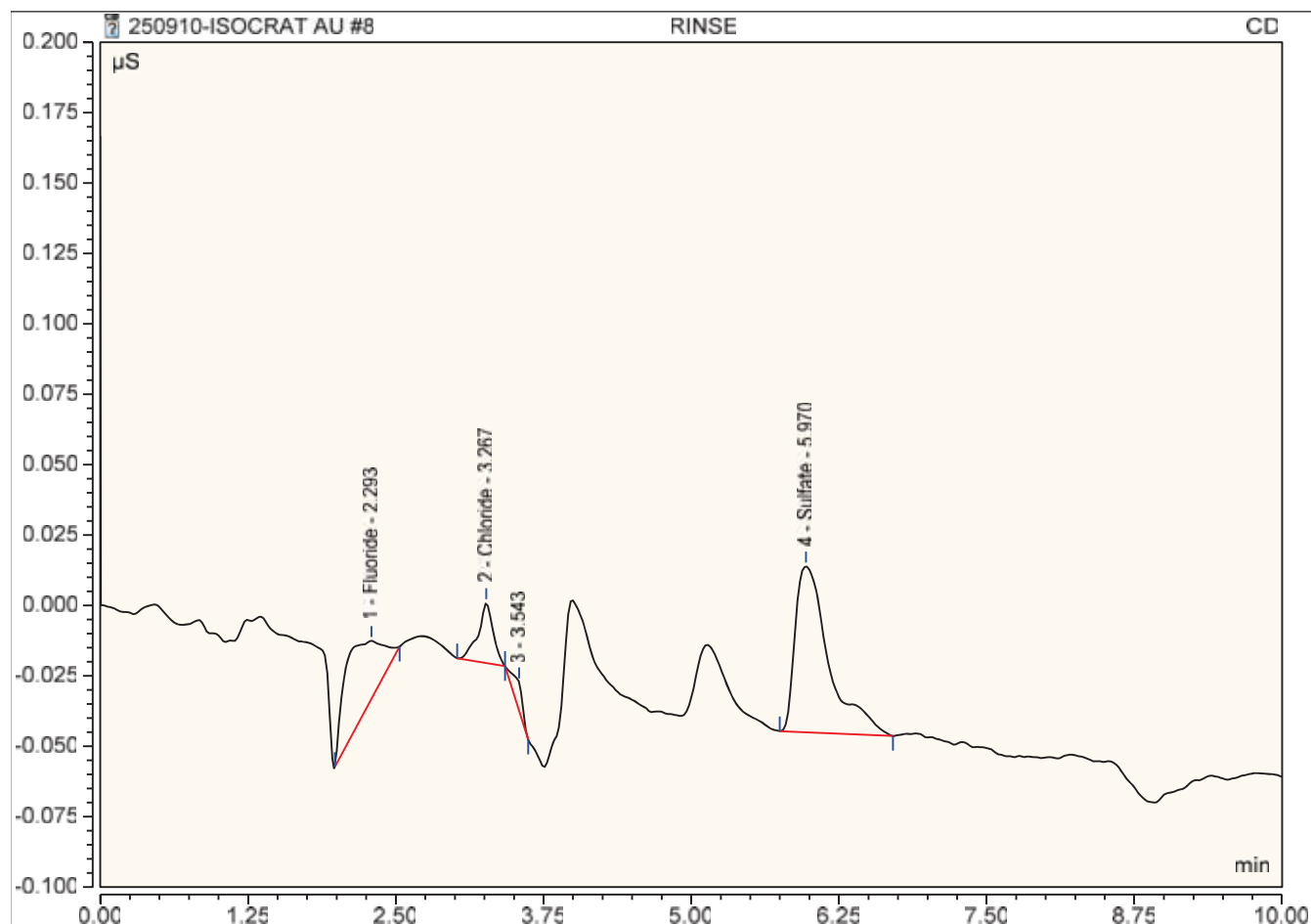
Injection Name	Ret. Time min CD	Area $\mu\text{S} \cdot \text{min}$ CD	Height μS CD	Amount CD
STD 0.5	Nitrate 6.377	Nitrate 0.0199	Nitrate 0.127	Nitrate 0.048
STD 1.0	6.427	0.0415	0.242	0.068
STD 2.0	6.363	0.1777	1.079	0.193
STD 3.0	6.357	0.4832	2.965	0.474
STD 4.0	6.300	2.1239	11.894	1.982
STD 5.0	6.207	5.4192	26.535	5.010
Average	6.338			
Rel. Std. Dev.	1.202 %			



Peak Integration Report

Sample Name:	RINSE	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 15:54	Run Time:	10.00

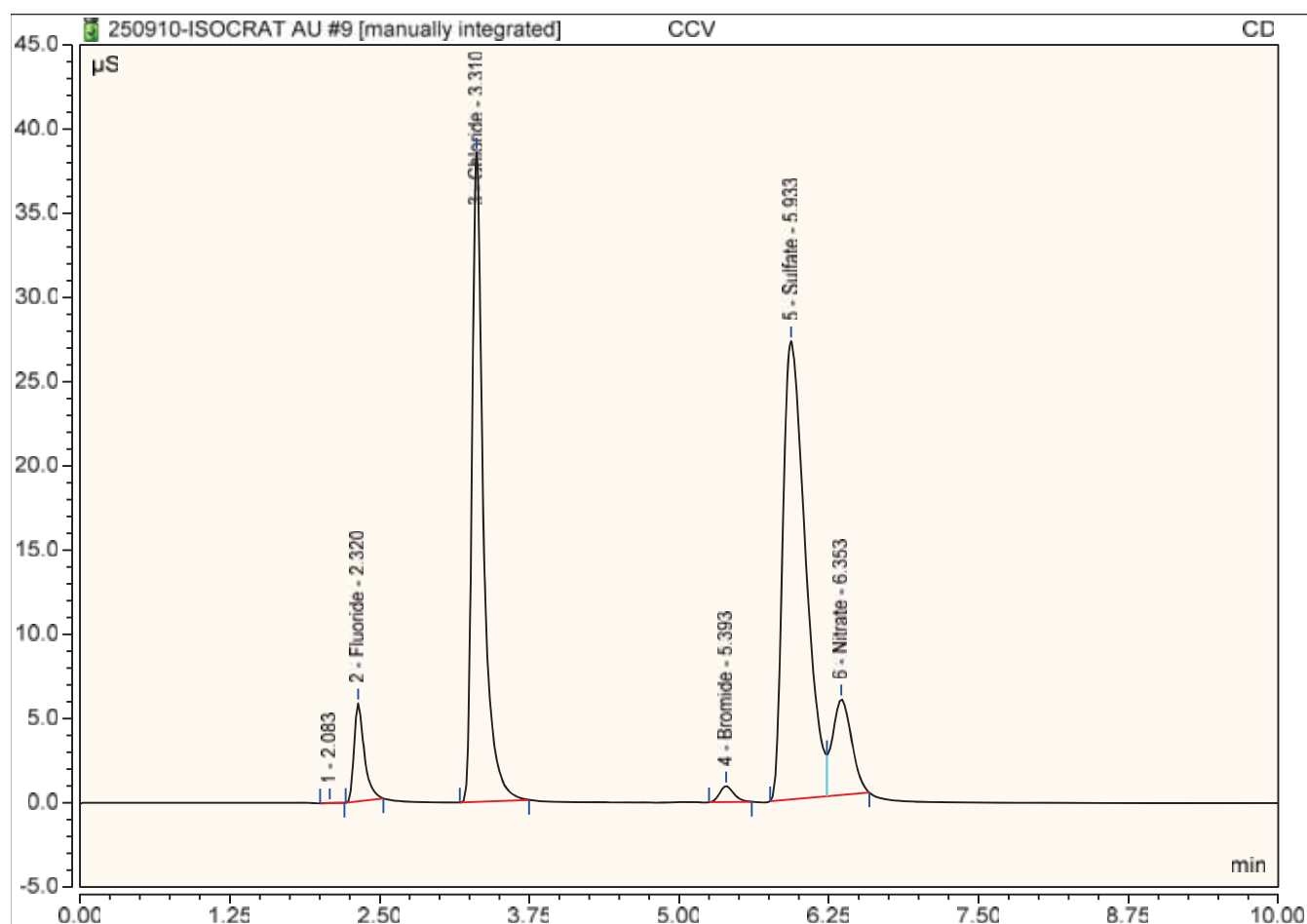
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.29	Fluoride	BMB	0.010	0.021	0.0390
2	3.27	Chloride	BMB	0.003	0.021	0.0818
4	5.97	Sulfate	BMB	0.019	0.059	0.3142
TOTAL:				0.03	0.10	0.43



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 16:07	Run Time:	10.00

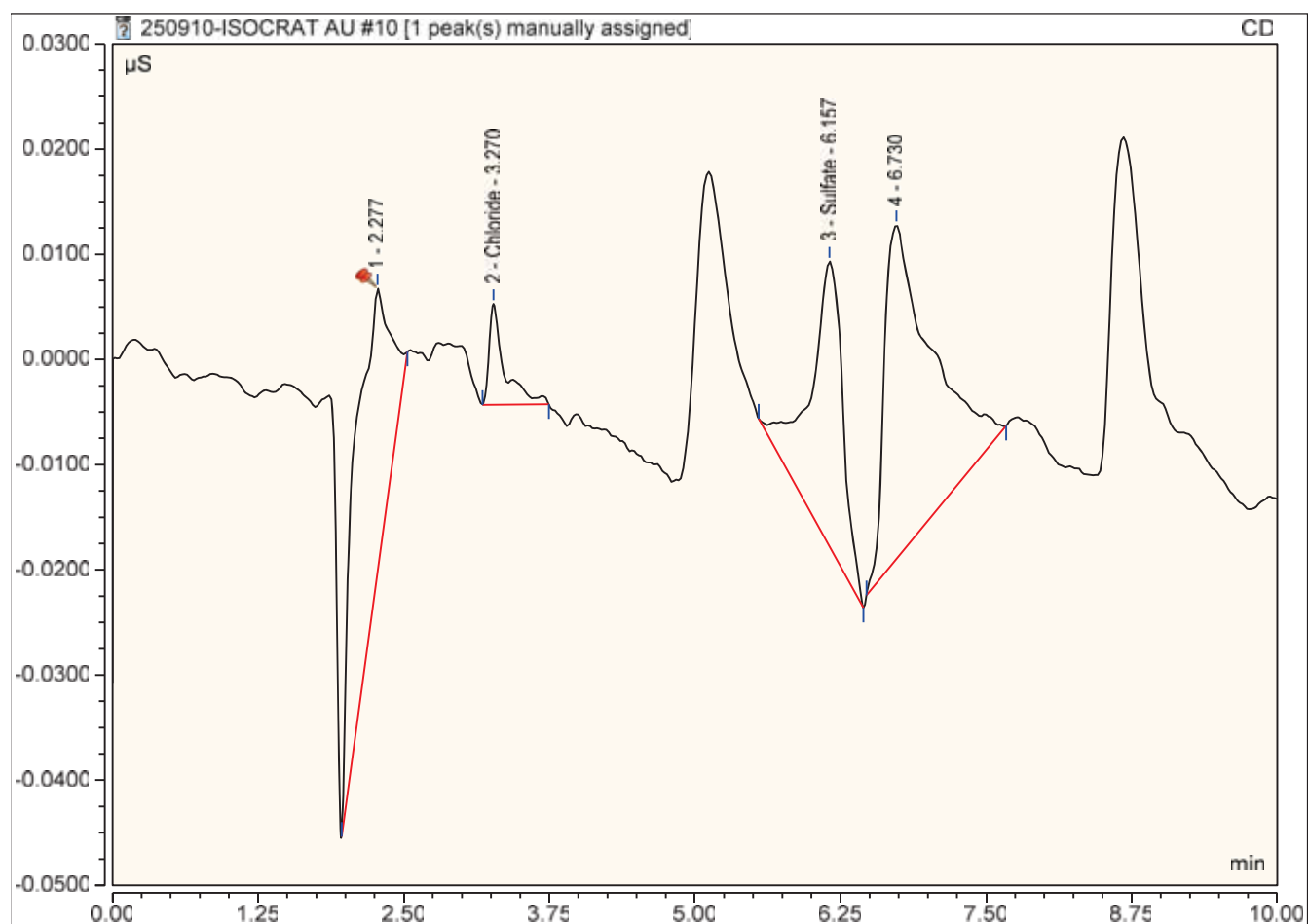
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.572	5.814	0.9442
3	3.31	Chloride	BMB	4.249	38.552	10.0742
4	5.39	Bromide	BMB*	0.129	0.938	0.9739
5	5.93	Sulfate	BM *	5.923	27.202	19.1575
6	6.35	Nitrate	MB*	1.060	5.683	1.0043
TOTAL:				11.93	78.19	32.15



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 16:19	Run Time:	10.00

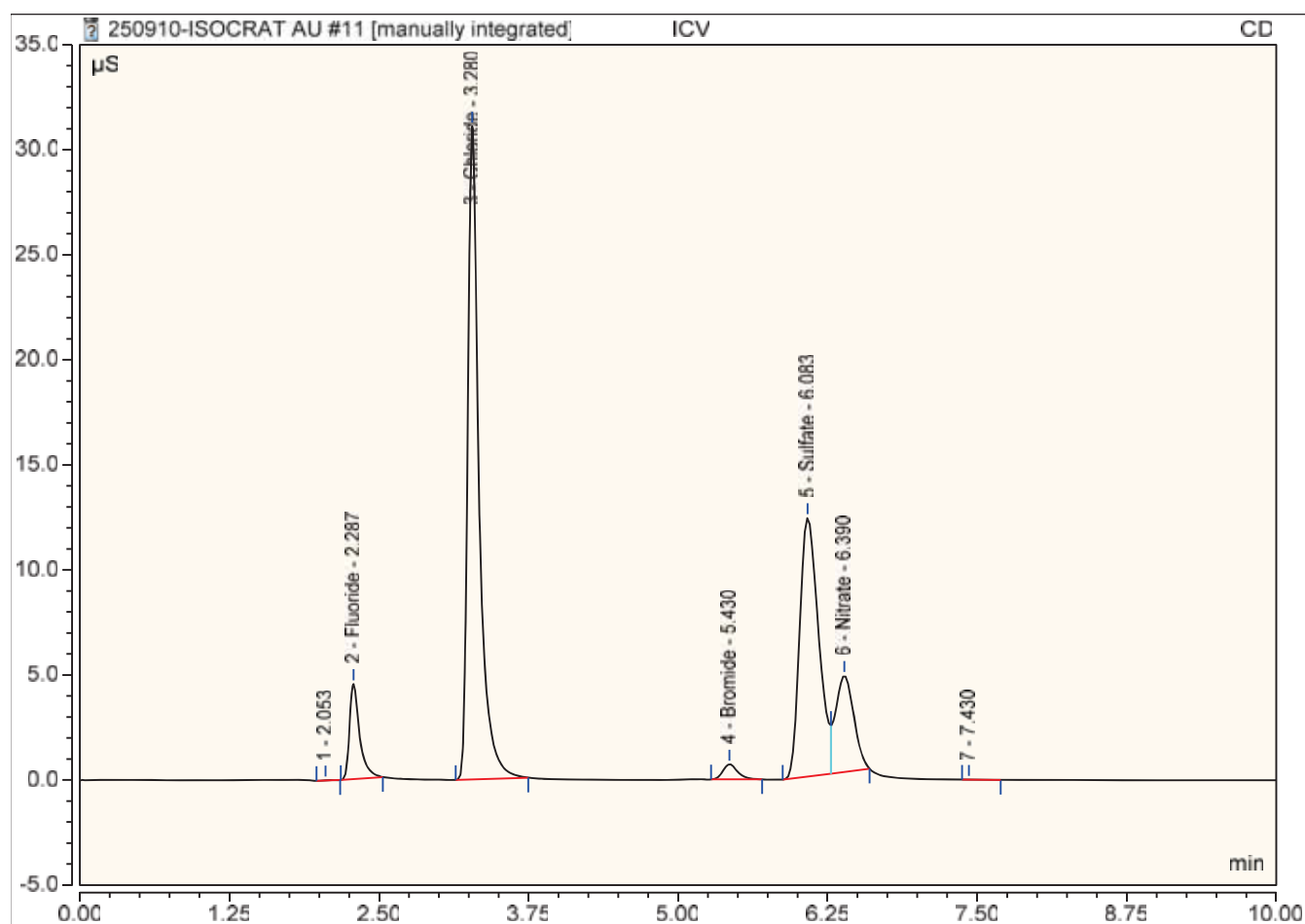
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.27	Chloride	BMB	0.001	0.010	0.0778
3	6.16	Sulfate	BMB	0.009	0.027	0.2799
TOTAL:				0.01	0.04	0.36



Peak Integration Report

Sample Name:	ICV	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 16:31	Run Time:	10.00

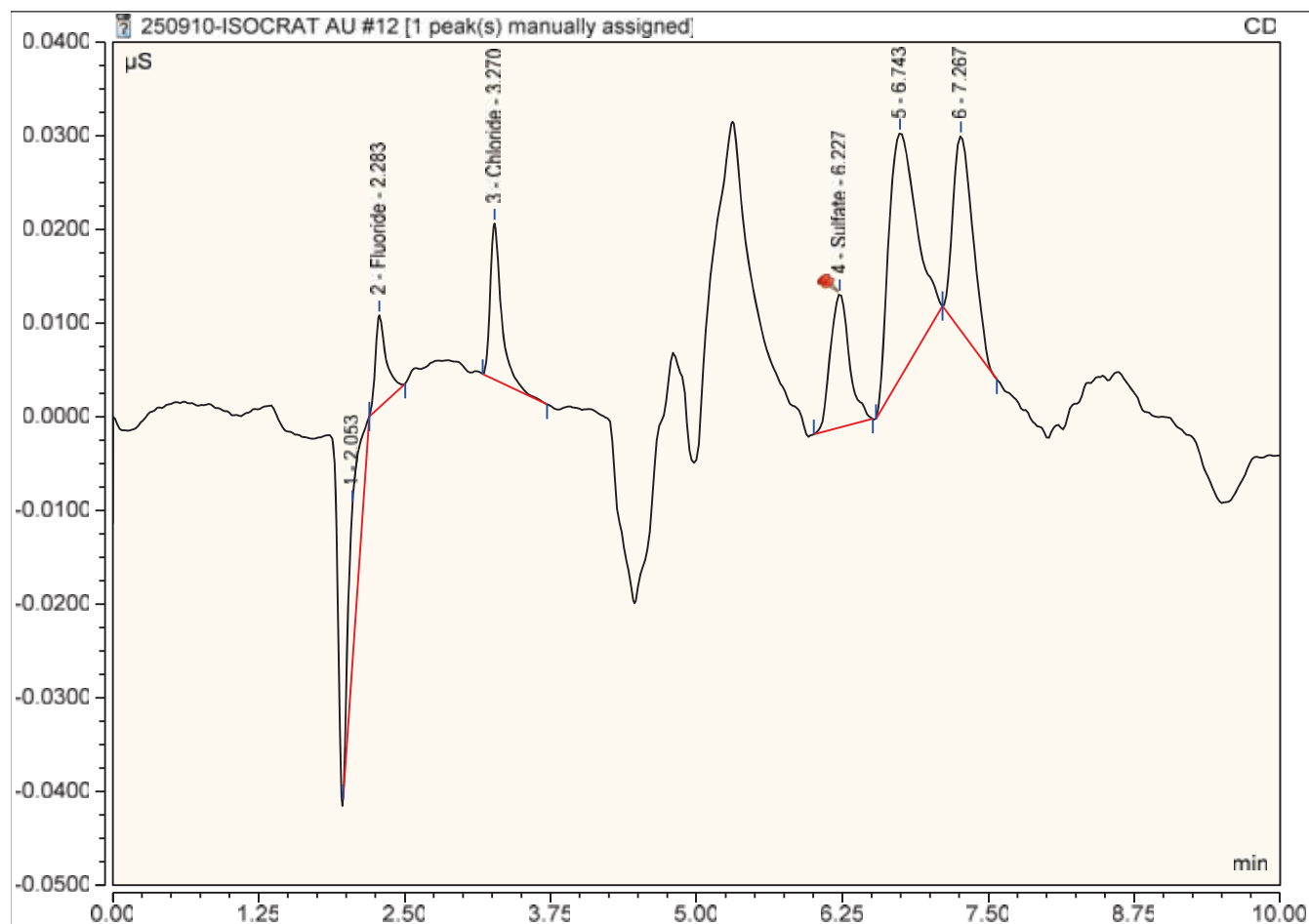
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.441	4.531	0.7337
3	3.28	Chloride	BMB	3.406	31.080	8.0909
4	5.43	Bromide	BMB*	0.104	0.722	0.7885
5	6.08	Sulfate	BM *	2.254	12.305	7.4465
6	6.39	Nitrate	MB*	0.815	4.577	0.7792
TOTAL:				7.02	53.22	17.84



Peak Integration Report

Sample Name:	ICB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 16:43	Run Time:	10.00

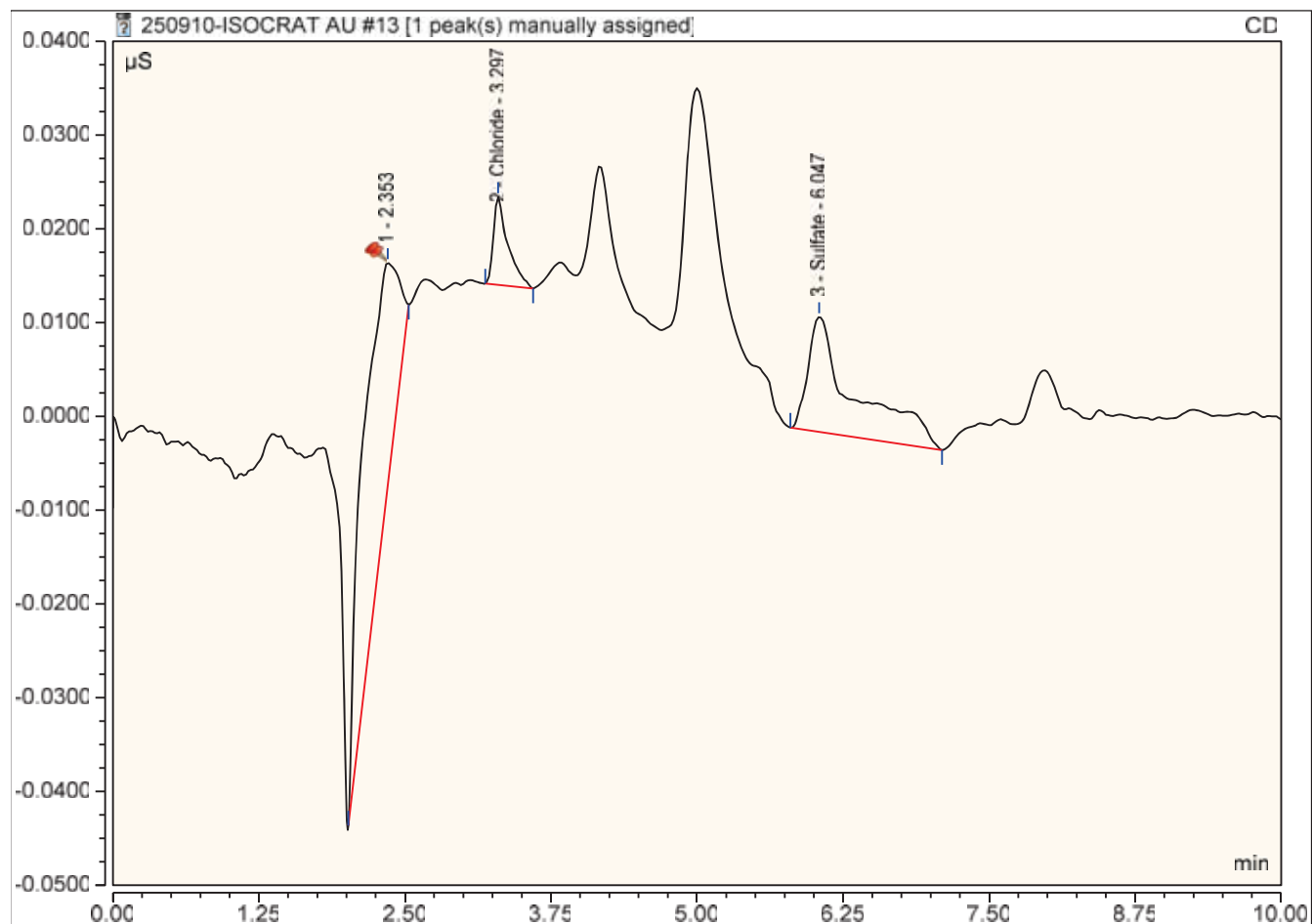
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.001	0.010	0.0253
3	3.27	Chloride	BMB	0.002	0.017	0.0788
4	6.23	Sulfate	BMB^	0.003	0.014	0.2606
TOTAL:				0.01	0.04	0.36



Peak Integration Report

Sample Name:	BLK	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 16:55	Run Time:	10.00

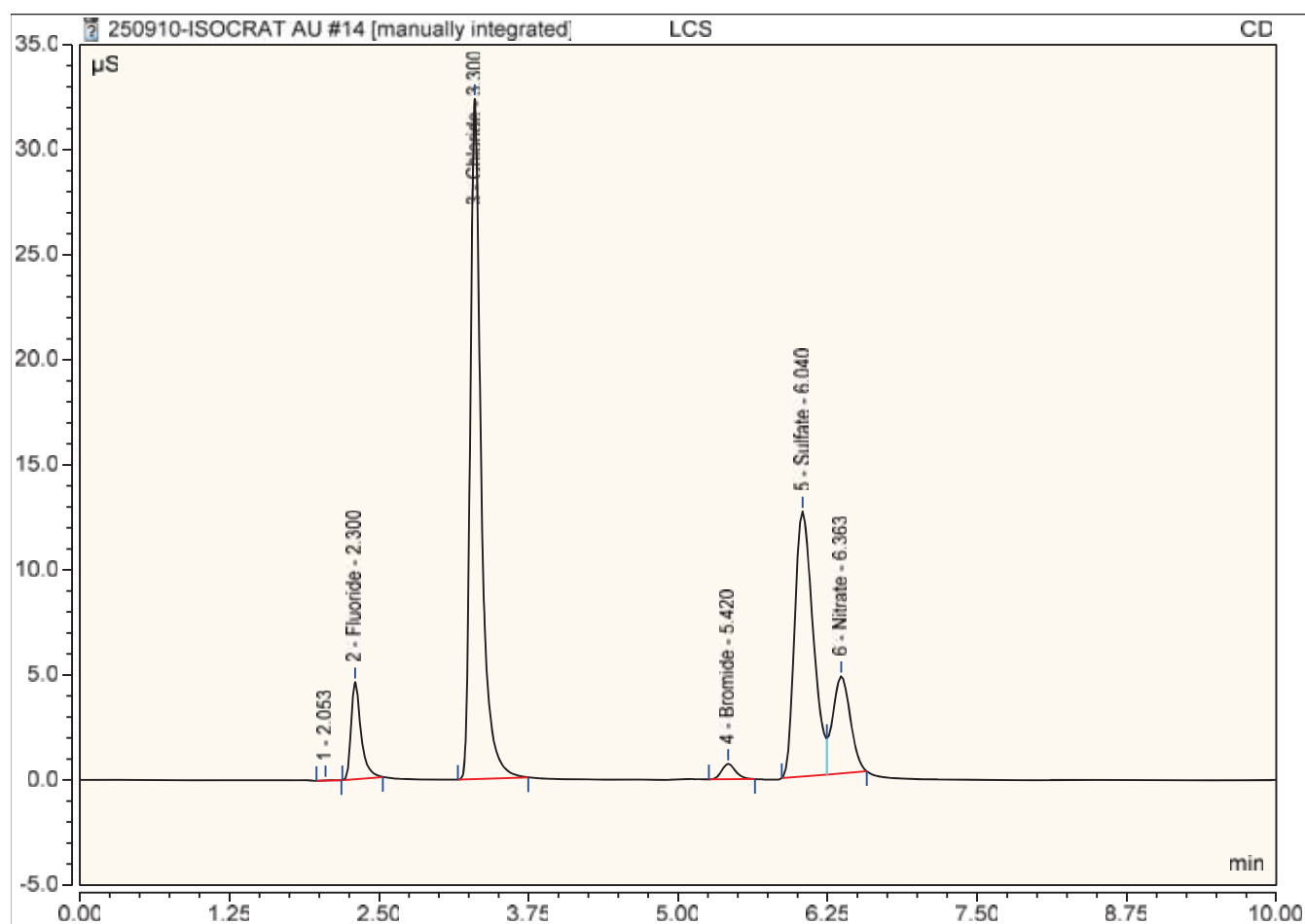
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.30	Chloride	BMB	0.001	0.009	0.0775
3	6.05	Sulfate	BMB	0.006	0.012	0.2701
TOTAL:				0.01	0.02	0.35



Peak Integration Report

Sample Name:	LCS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 17:07	Run Time:	10.00

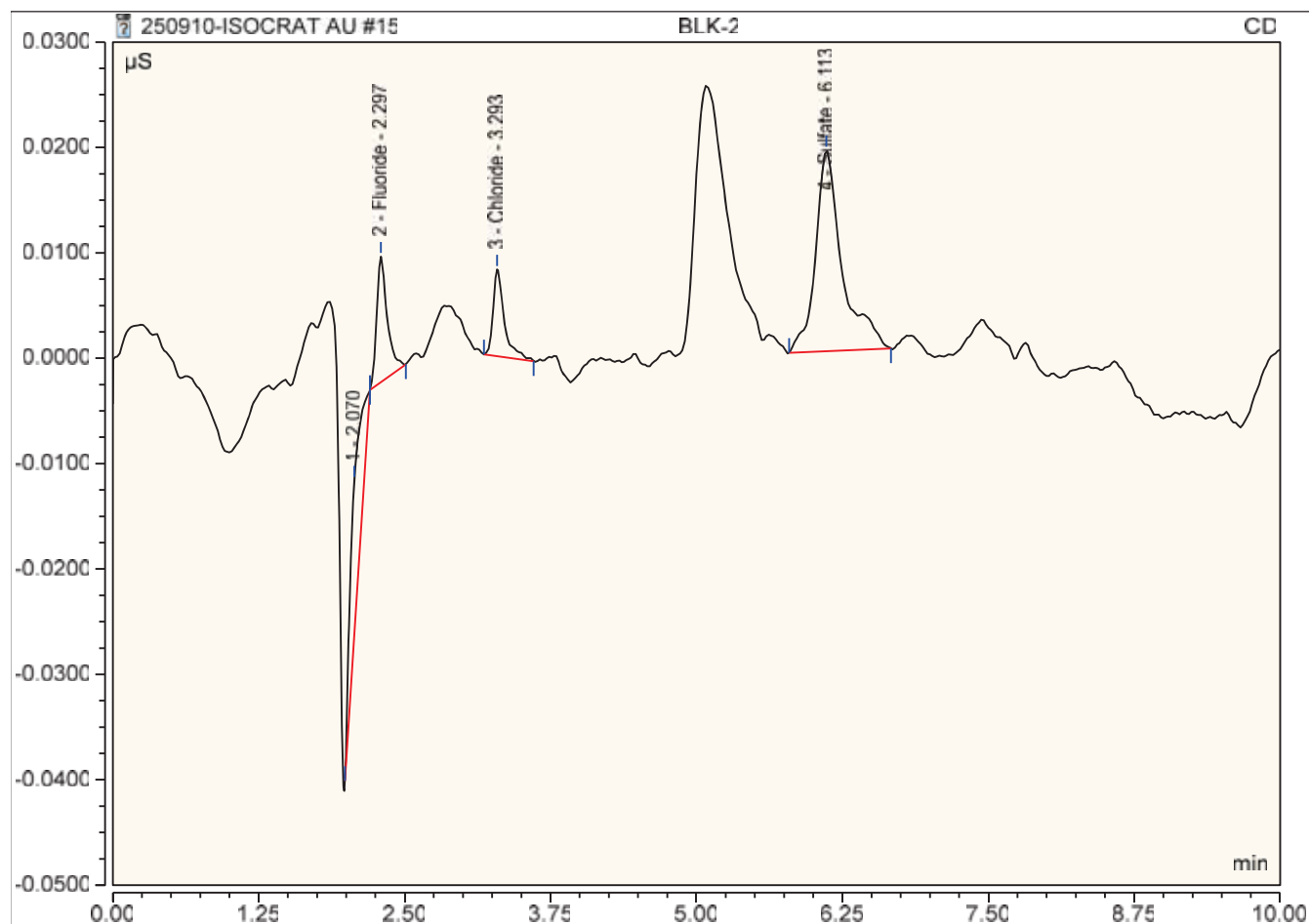
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.440	4.616	0.7316
3	3.30	Chloride	BMB	3.407	32.371	8.0934
4	5.42	Bromide	BMB*	0.100	0.732	0.7550
5	6.04	Sulfate	BM *	2.261	12.617	7.4677
6	6.36	Nitrate	MB*	0.794	4.631	0.7592
TOTAL:				7.00	54.97	17.81



Peak Integration Report

Sample Name:	BLK-2	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 17:19	Run Time:	10.00

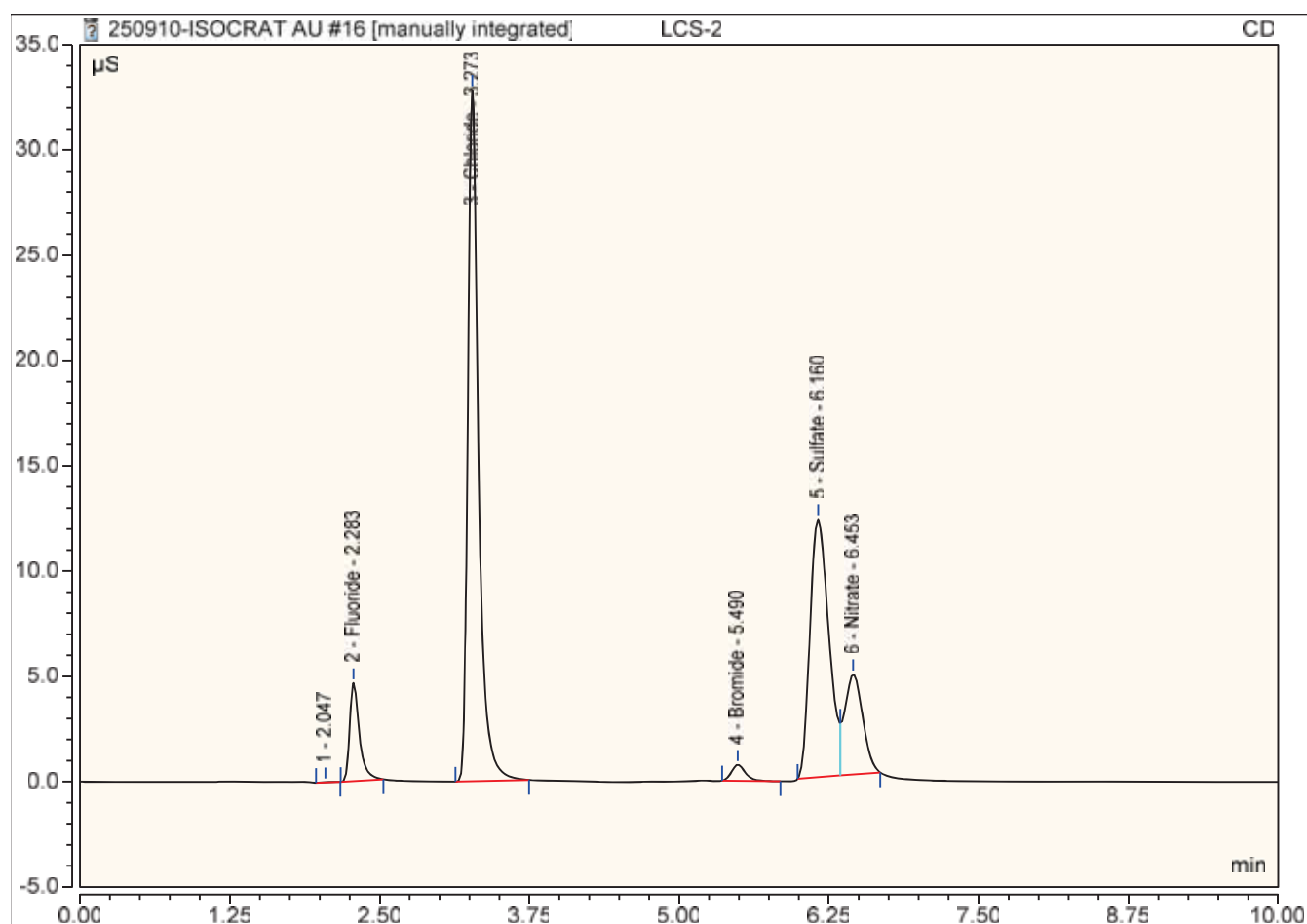
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.001	0.012	0.0256
3	3.29	Chloride	BMB	0.001	0.008	0.0765
4	6.11	Sulfate	BMB	0.005	0.019	0.2681
TOTAL:				0.01	0.04	0.37



Peak Integration Report

Sample Name:	LCS-2	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 17:31	Run Time:	10.00

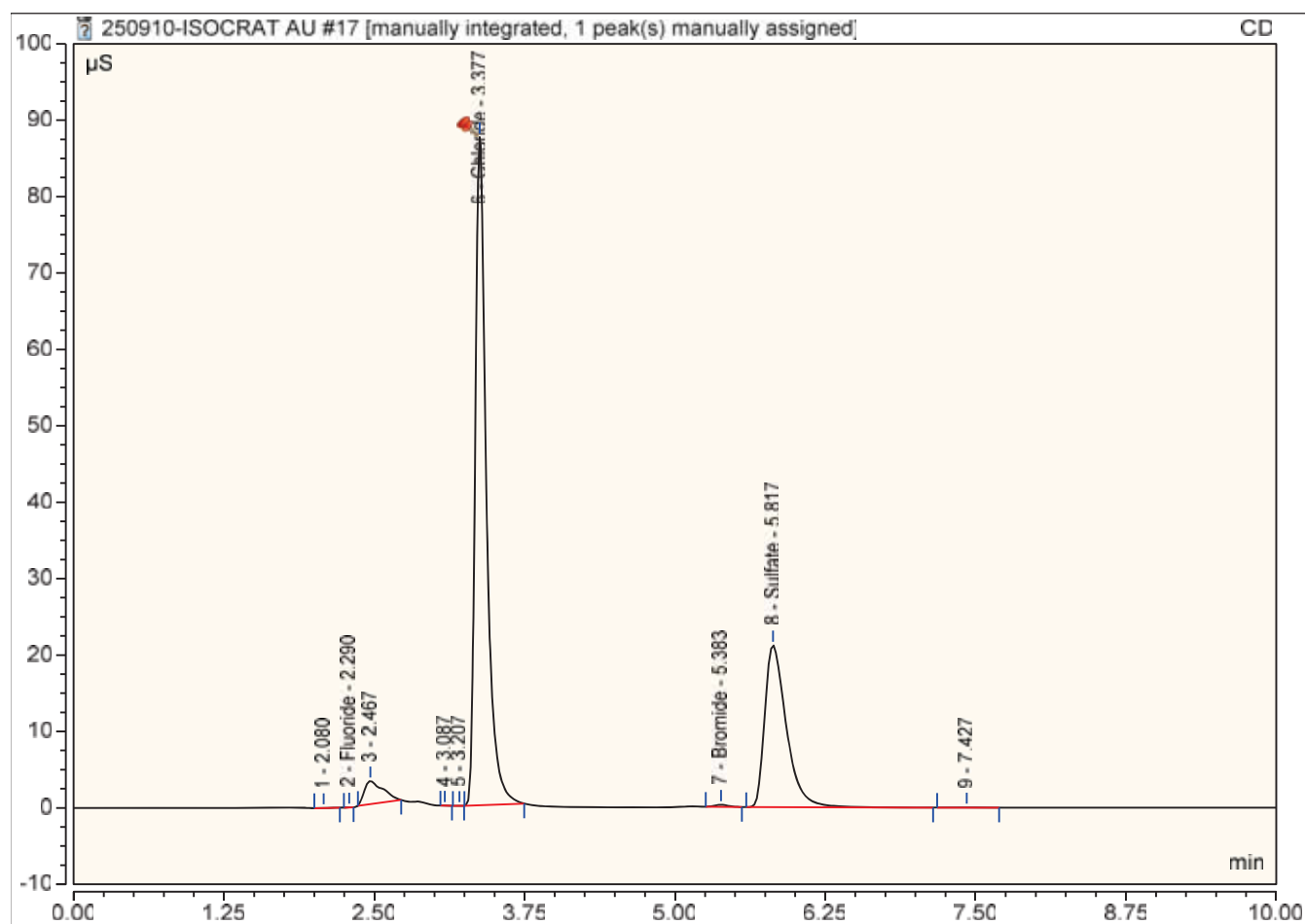
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.437	4.665	0.7281
3	3.27	Chloride	BMB	3.393	32.830	8.0605
4	5.49	Bromide	BMB	0.101	0.755	0.7682
5	6.16	Sulfate	BM *	2.239	12.265	7.3992
6	6.45	Nitrate	MB*	0.833	4.765	0.7954
TOTAL:				7.00	55.28	17.75



Peak Integration Report

Sample Name:	L2555910-05; 500X BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	500.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 17:43	Run Time:	10.00

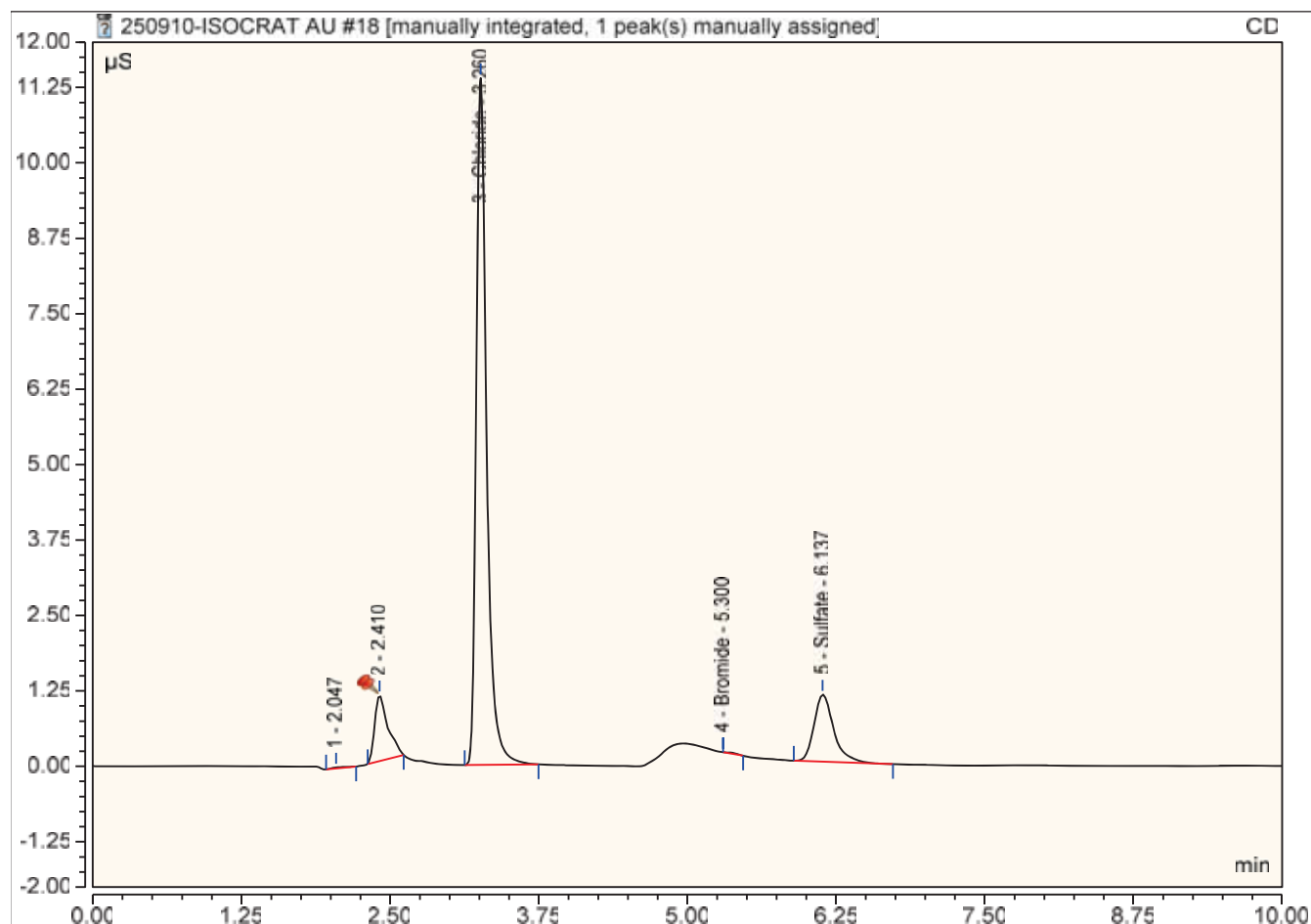
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.001	0.012	12.2166
6	3.38	Chloride	BMB^	9.380	87.453	11074.7647
7	5.38	Bromide	BMB*	0.035	0.276	140.6713
8	5.82	Sulfate	BMB	4.425	21.195	7187.9594
TOTAL:				13.84	108.94	18415.61



Peak Integration Report

Sample Name:	L2555910-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 17:55	Run Time:	10.00

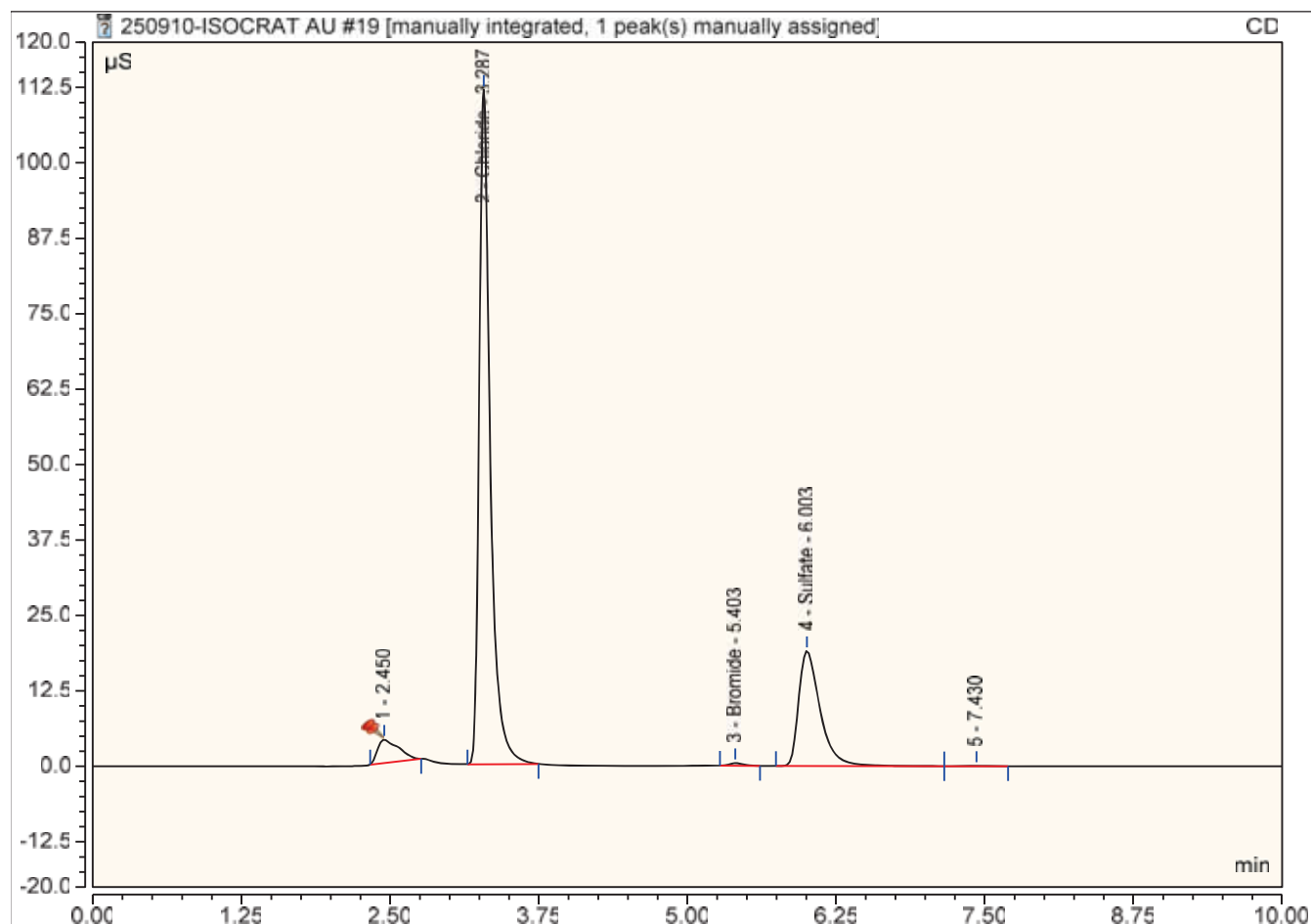
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	3.26	Chloride	BMB	1.149	11.381	2.7793
4	5.30	Bromide	BMB*	0.002	0.000	0.0354
5	6.14	Sulfate	BMB	0.213	1.111	0.9332
TOTAL:				1.36	12.49	3.75



Peak Integration Report

Sample Name:	L2555226-03; 500X BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	500.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 18:08	Run Time:	10.00

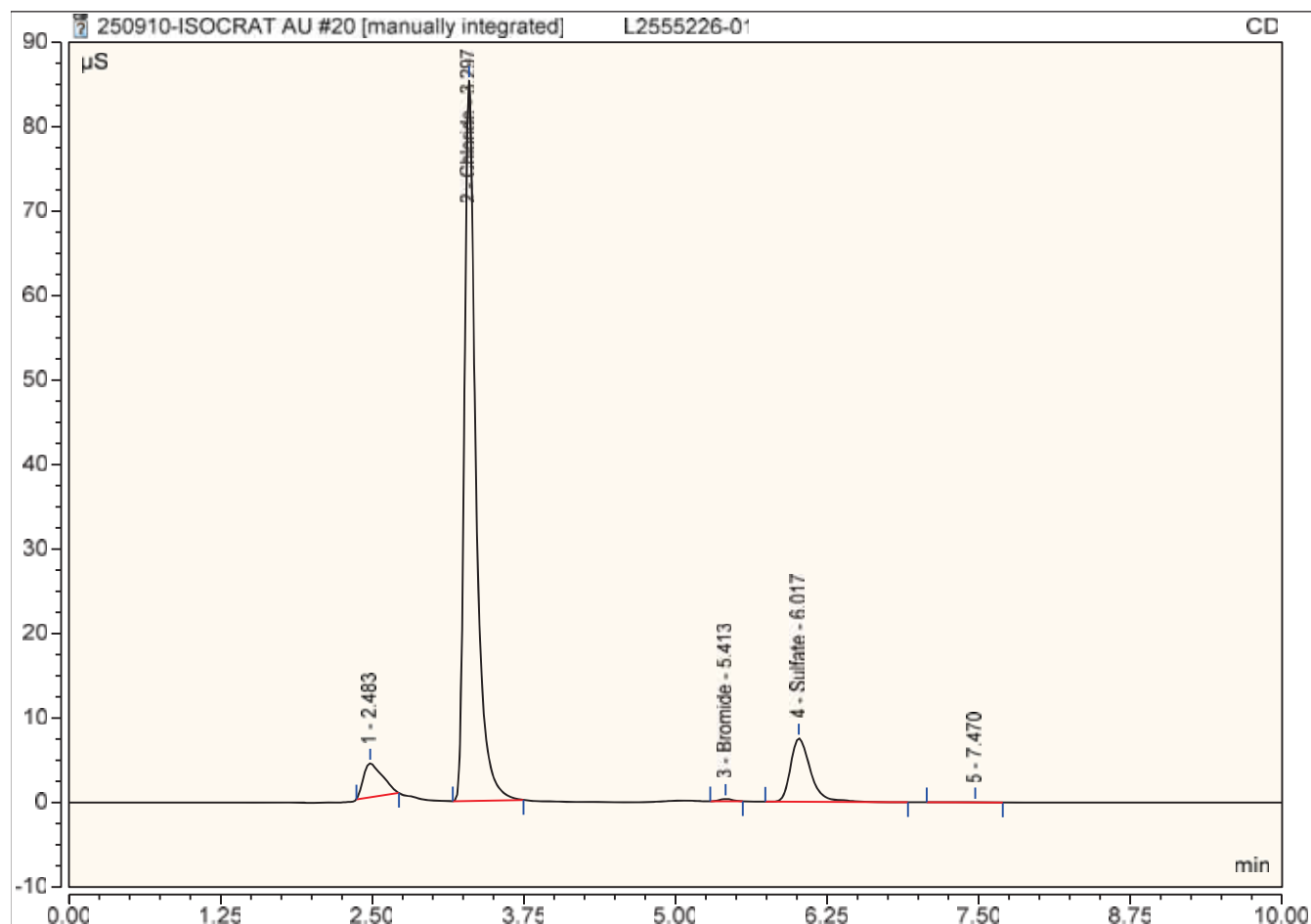
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.29	Chloride	BMB	12.078	111.725	14249.3944
3	5.40	Bromide	BMB*	0.059	0.444	227.7713
4	6.00	Sulfate	BMB	3.977	19.047	6473.1306
TOTAL:				16.11	131.22	20950.30



Peak Integration Report

Sample Name:	L2555226-01	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 18:20	Run Time:	10.00

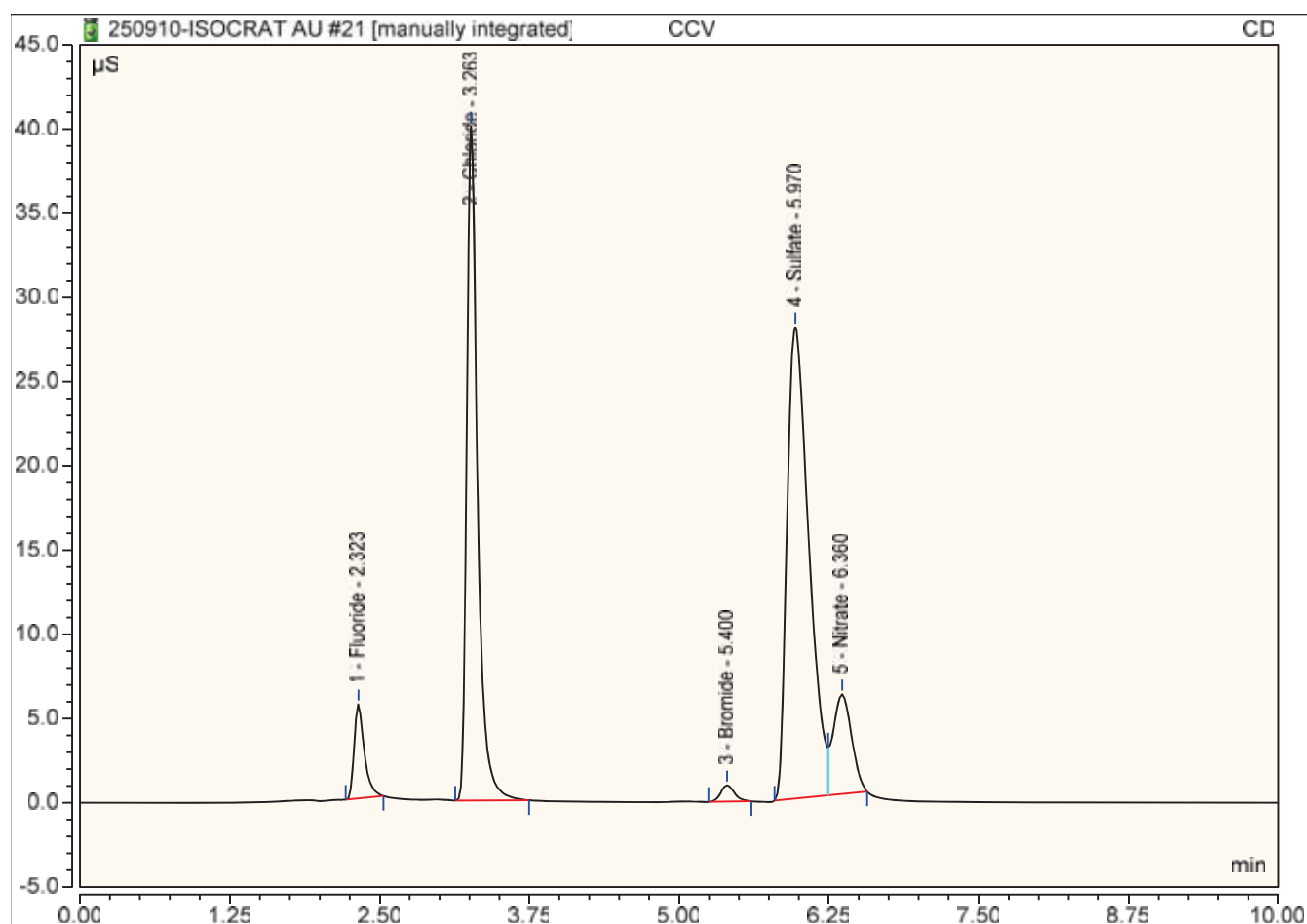
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.30	Chloride	BMB	9.373	85.226	22.1330
3	5.41	Bromide	BMB*	0.035	0.282	0.2799
4	6.02	Sulfate	BMB	1.433	7.511	4.8261
TOTAL:				10.84	93.02	27.24



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 18:32	Run Time:	10.00

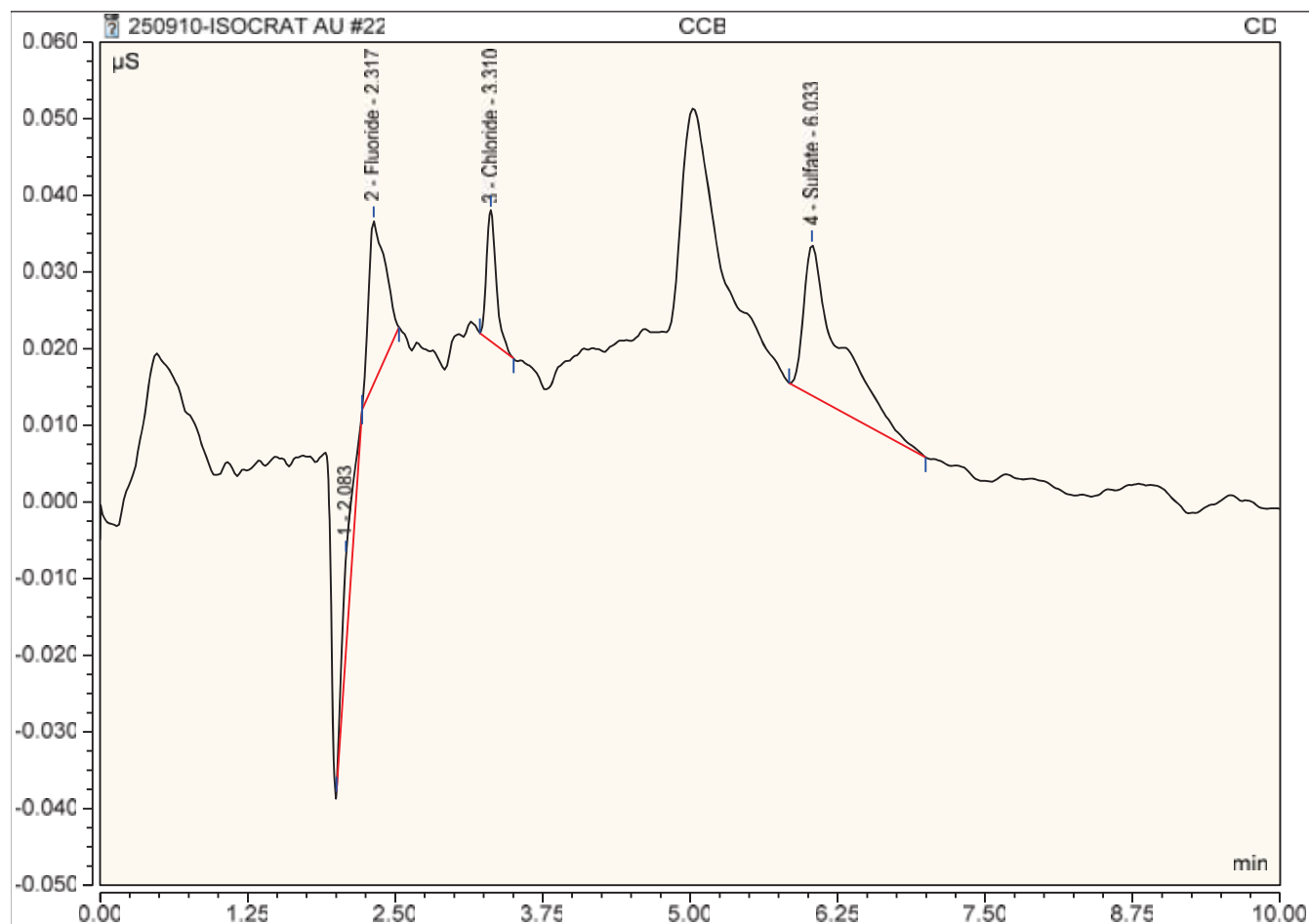
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.32	Fluoride	BMB	0.550	5.596	0.9088
2	3.26	Chloride	BMB	4.178	39.999	9.9081
3	5.40	Bromide	BMB*	0.130	0.979	0.9792
4	5.97	Sulfate	BM *	5.901	27.981	19.0880
5	6.36	Nitrate	MB*	1.066	5.931	1.0099
TOTAL:				11.83	80.49	31.89



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 18:44	Run Time:	10.00

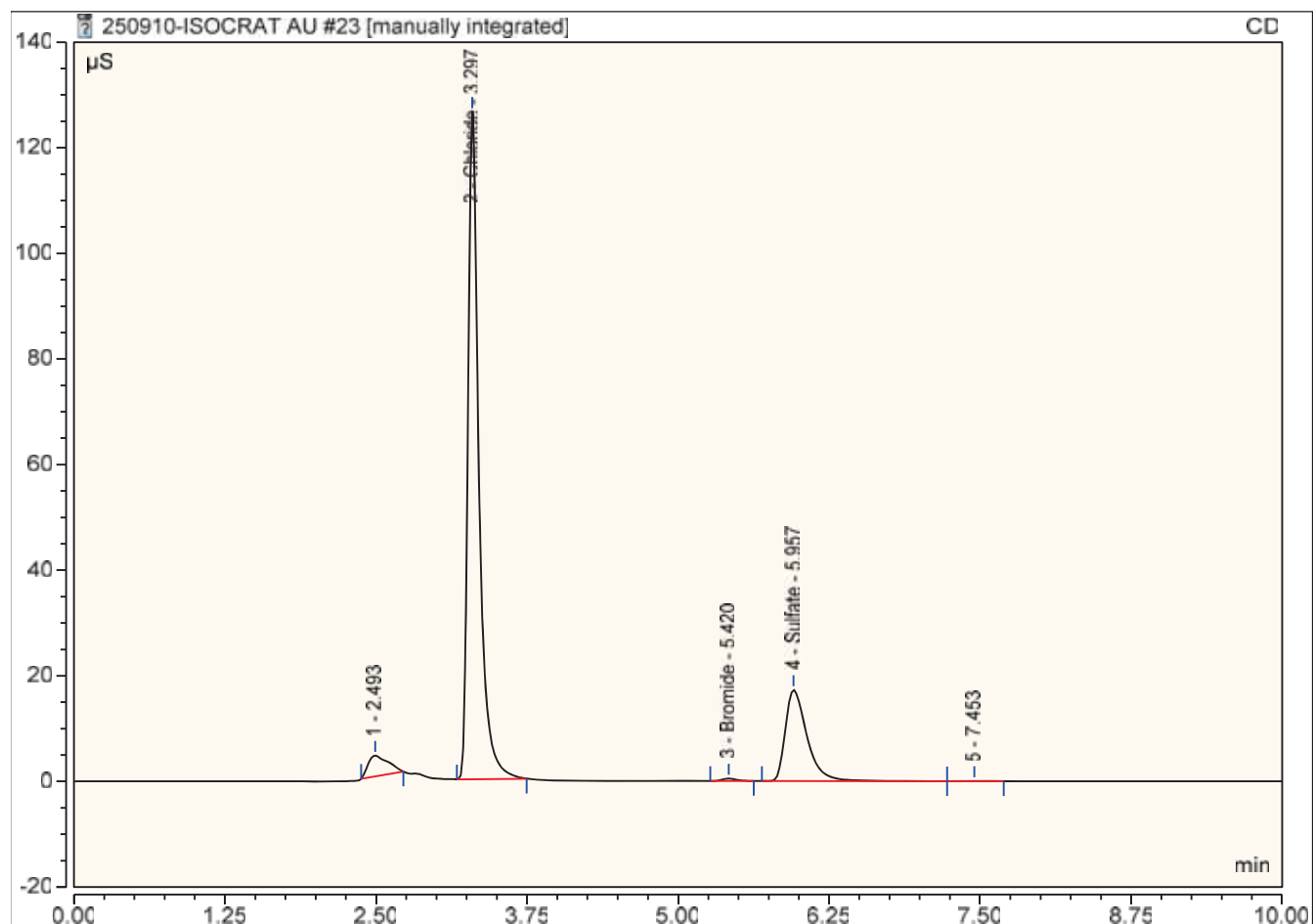
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.003	0.021	0.0291
3	3.31	Chloride	BMB	0.002	0.017	0.0782
4	6.03	Sulfate	BMB	0.007	0.020	0.2746
TOTAL:				0.01	0.06	0.38



Peak Integration Report

Sample Name:	L2554366-01; 500X BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	500.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 18:56	Run Time:	10.00

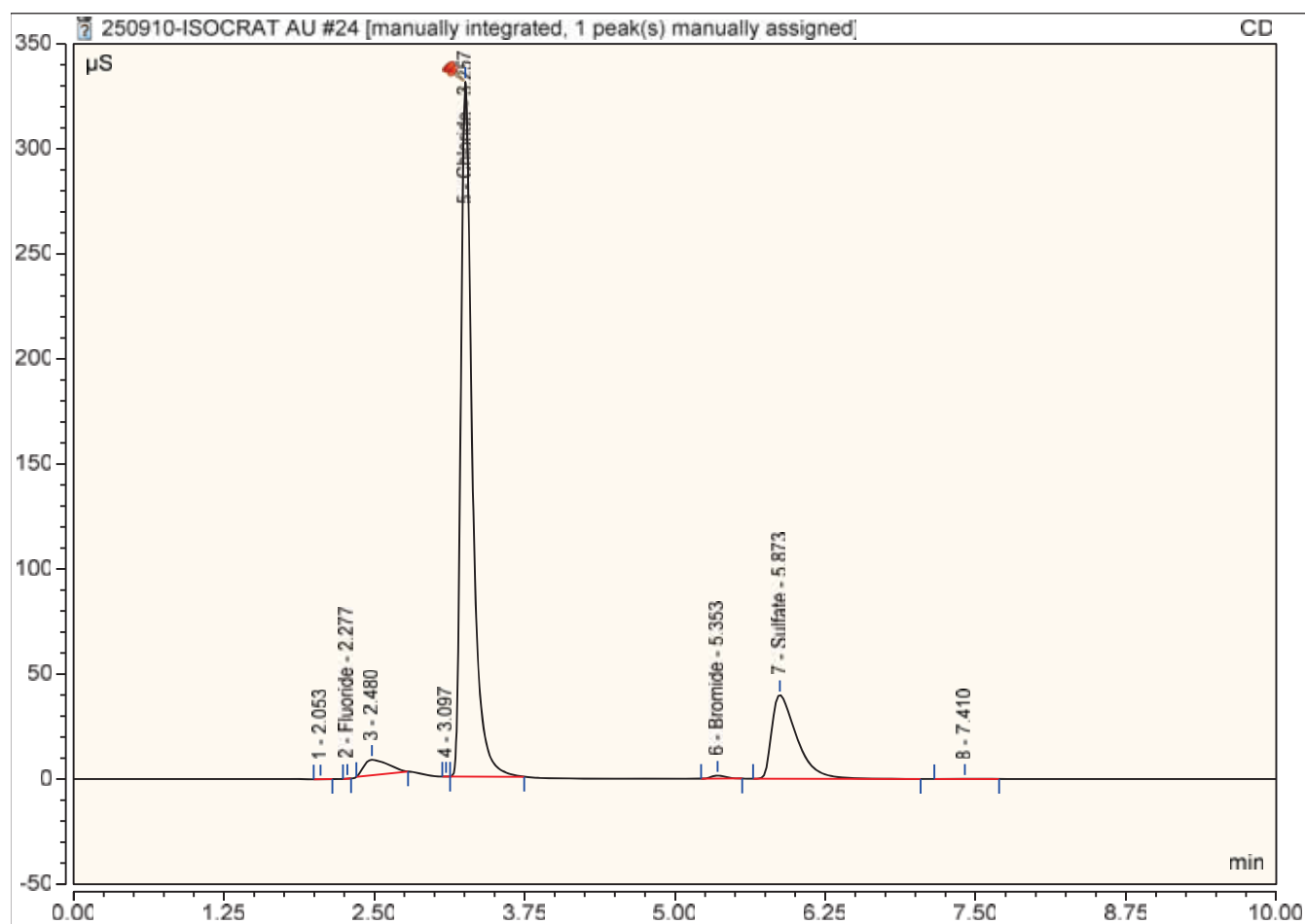
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.30	Chloride	BMB	13.322	126.369	15713.6280
3	5.42	Bromide	BMB*	0.065	0.471	252.1230
4	5.96	Sulfate	BMB	3.586	17.249	5849.3862
TOTAL:				16.97	144.09	21815.14



Peak Integration Report

Sample Name:	L2554366-02; 500X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	500.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 19:08	Run Time:	10.00

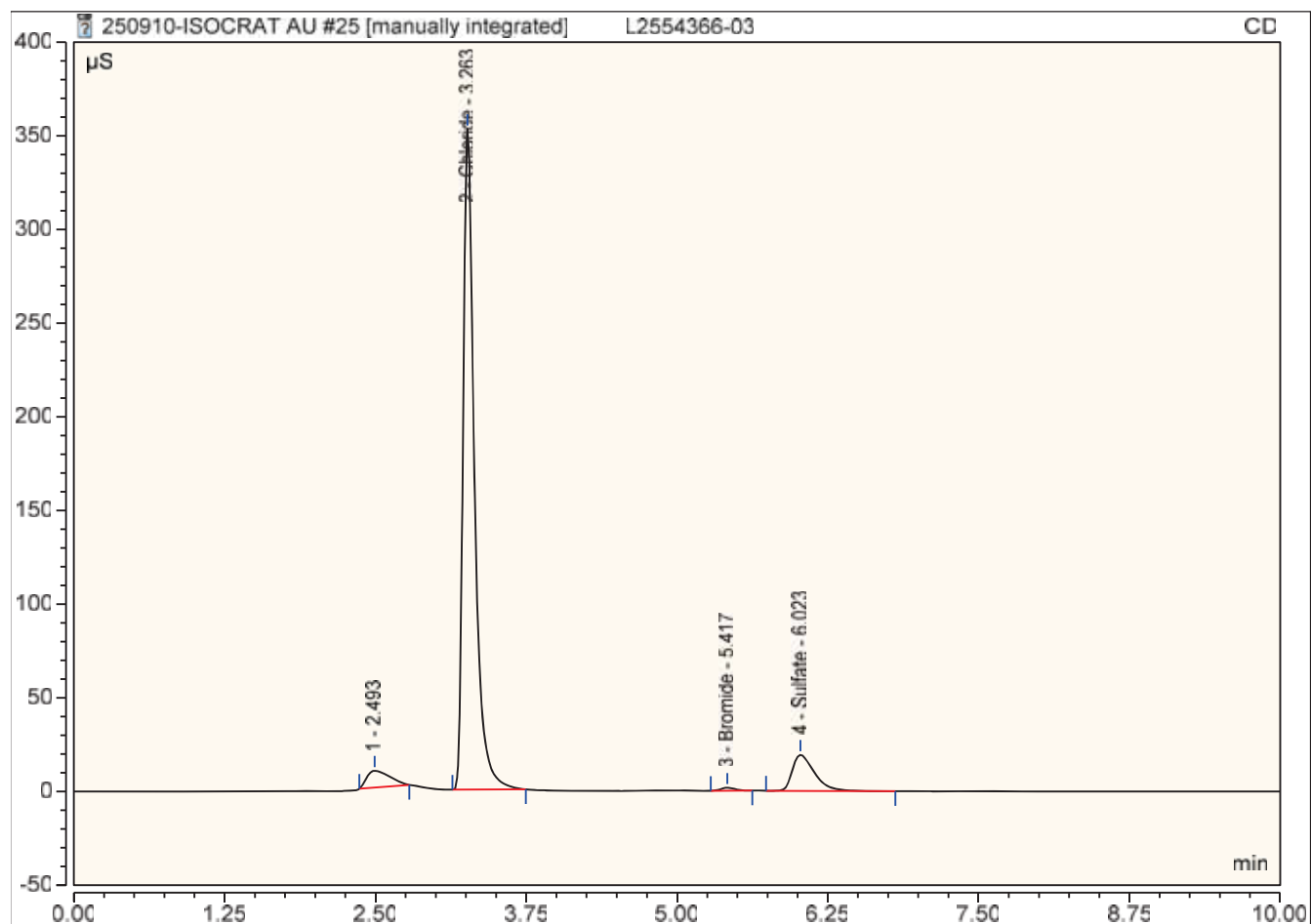
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.001	0.023	12.4485
5	3.26	Chloride	BMB^	36.322	330.723	42778.4355
6	5.35	Bromide	BMB*	0.208	1.512	777.4468
7	5.87	Sulfate	BMB	9.584	39.797	15420.8827
TOTAL:				46.11	372.05	58989.21



Peak Integration Report

Sample Name:	L2554366-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 19:20	Run Time:	10.00

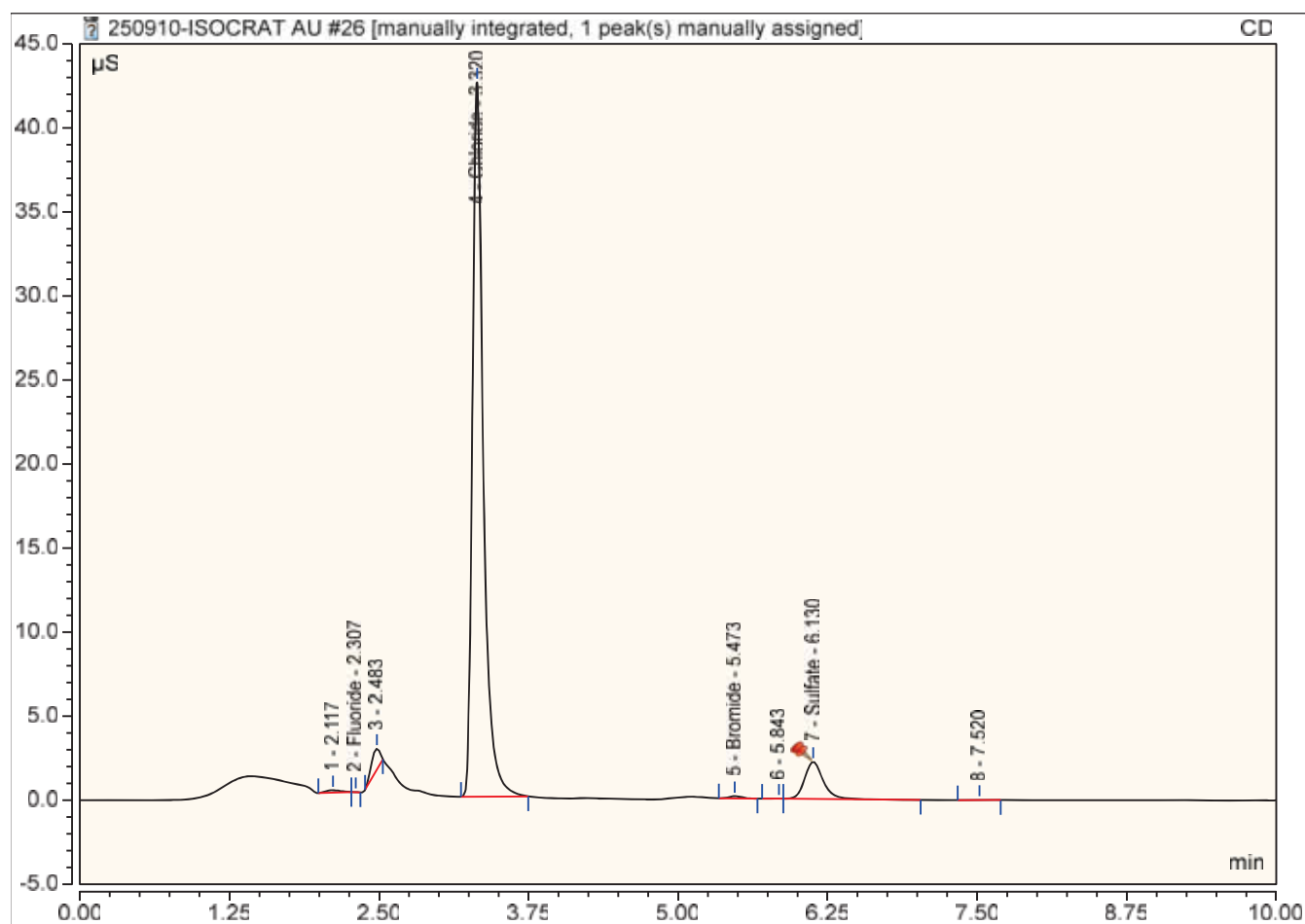
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.26	Chloride	BMB	38.499	352.578	90.6810
3	5.42	Bromide	BMB*	0.217	1.606	1.6194
4	6.02	Sulfate	BMB	4.072	19.260	13.2479
TOTAL:				42.79	373.44	105.55



Peak Integration Report

Sample Name:	XL2554366-03; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 19:32	Run Time:	10.00

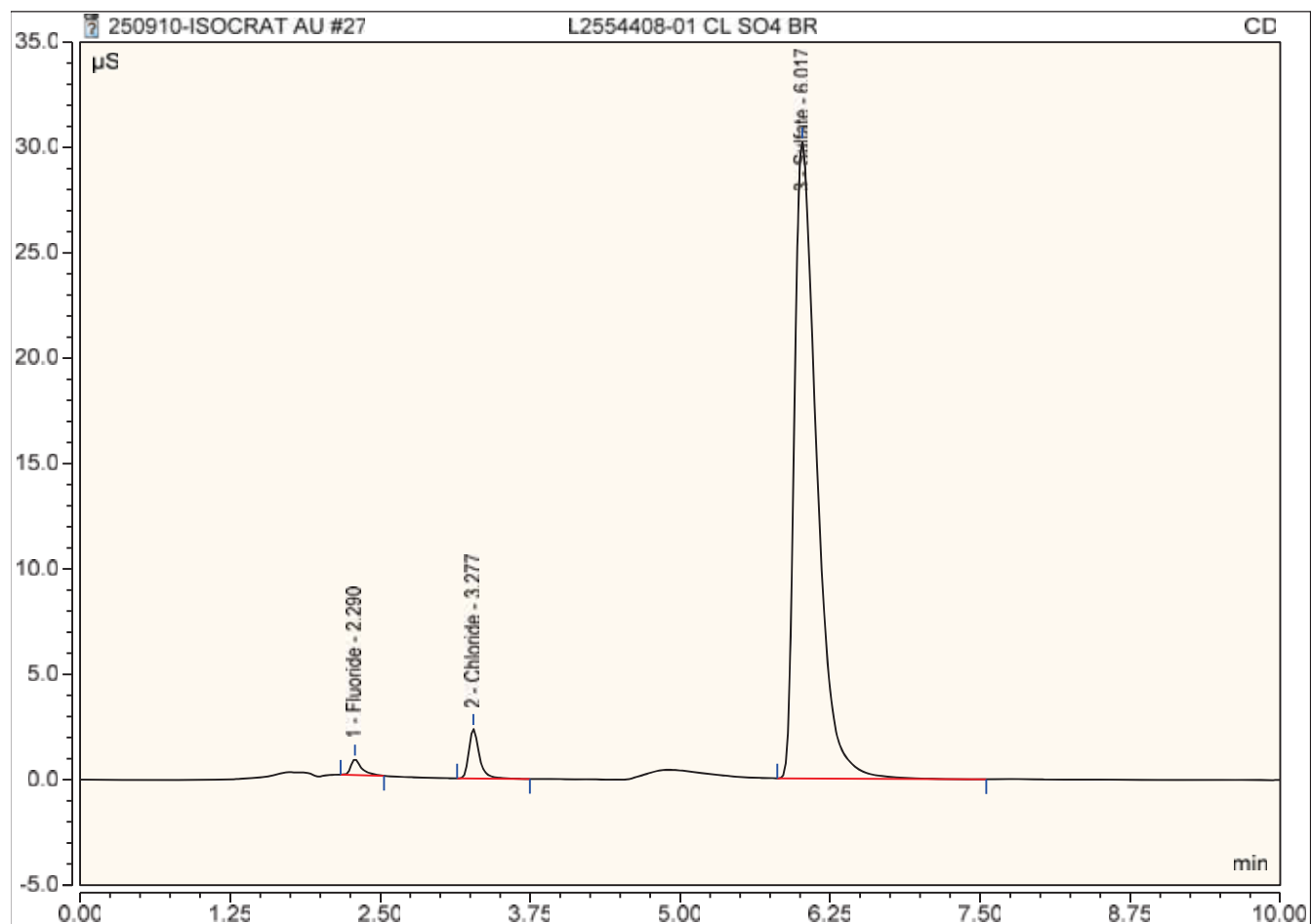
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.000	0.007	0.2408
4	3.32	Chloride	BMB	4.487	42.496	106.3396
5	5.47	Bromide	BMB*	0.018	0.133	1.5243
7	6.13	Sulfate	BMB^	0.402	2.210	15.3632
TOTAL:				4.91	44.85	123.47



Peak Integration Report

Sample Name:	L2554408-01 CL SO4 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 19:44	Run Time:	10.00

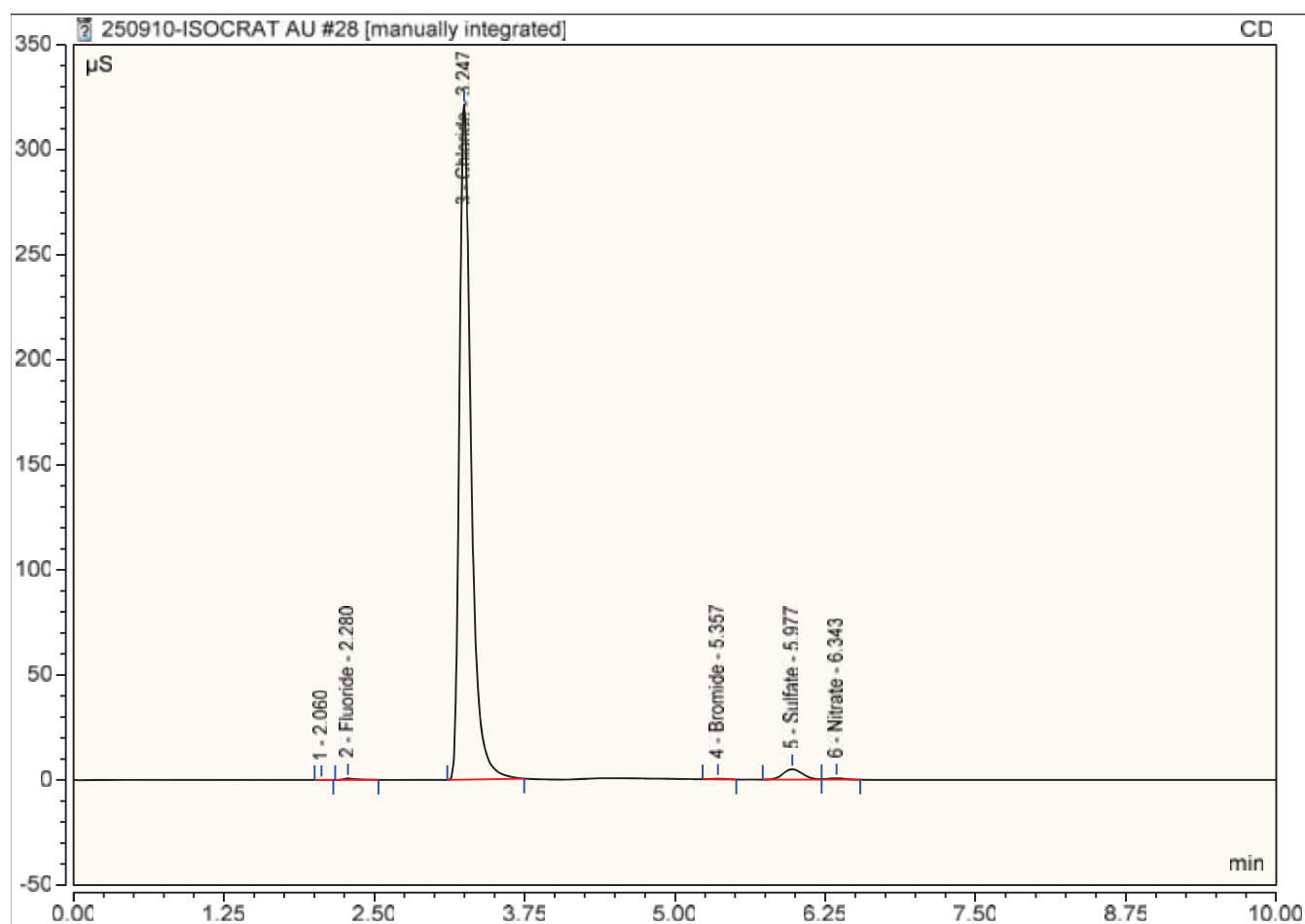
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.29	Fluoride	BMB	0.077	0.745	0.1480
2	3.28	Chloride	BMB	0.240	2.367	0.6389
3	6.02	Sulfate	BMB	6.487	30.193	20.9570
TOTAL:				6.80	33.31	21.74



Peak Integration Report

Sample Name:	L2554408-02 SO4 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 19:56	Run Time:	10.00

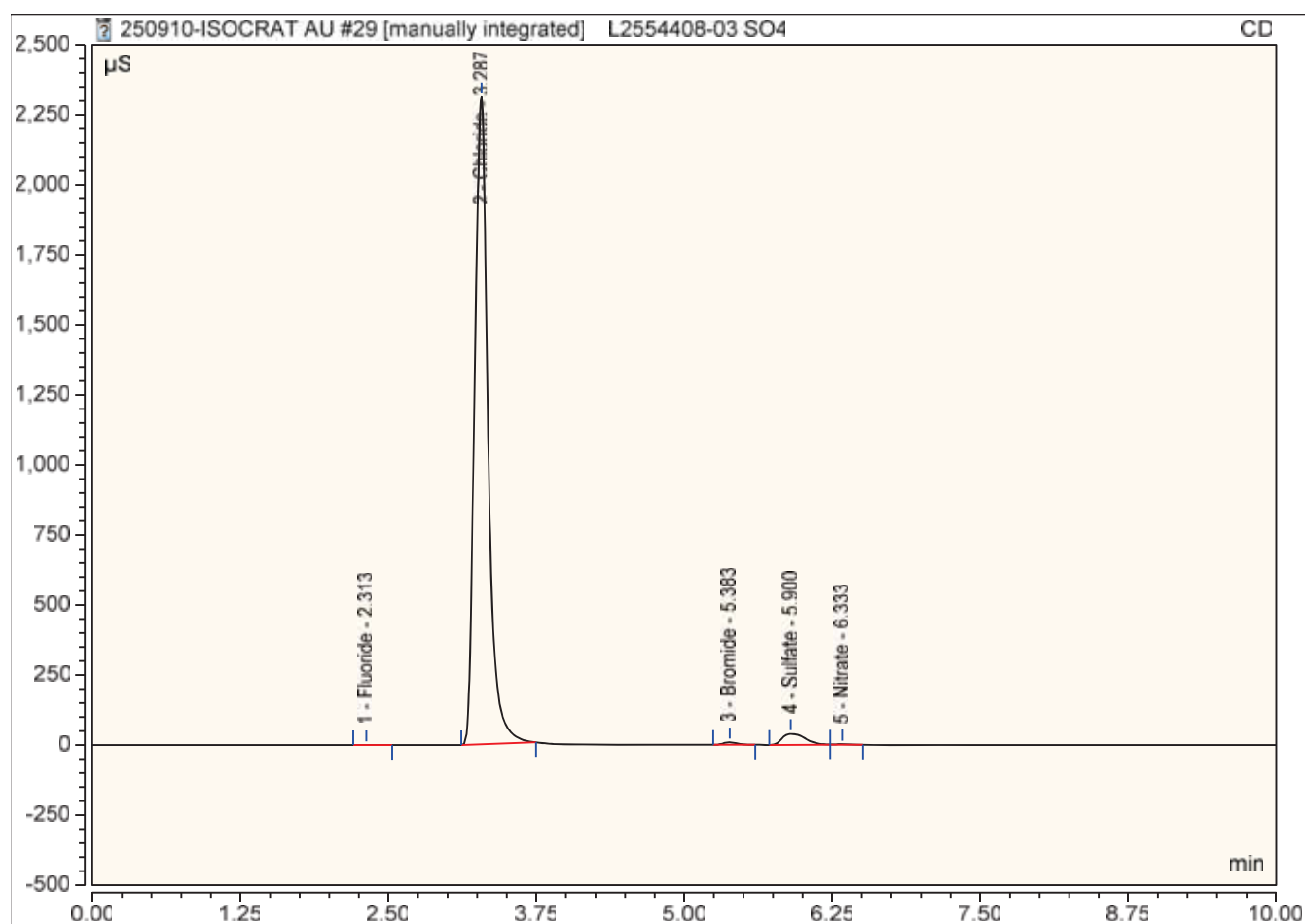
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.079	0.714	0.1504
3	3.25	Chloride	BMB	36.307	321.104	85.5220
4	5.36	Bromide	BMB*	0.036	0.279	0.2912
5	5.98	Sulfate	BM *	0.955	4.973	3.2990
6	6.34	Nitrate	MB*	0.117	0.690	0.1375
TOTAL:				37.49	327.76	89.40



Peak Integration Report

Sample Name:	L2554408-03 SO4	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 20:08	Run Time:	10.00

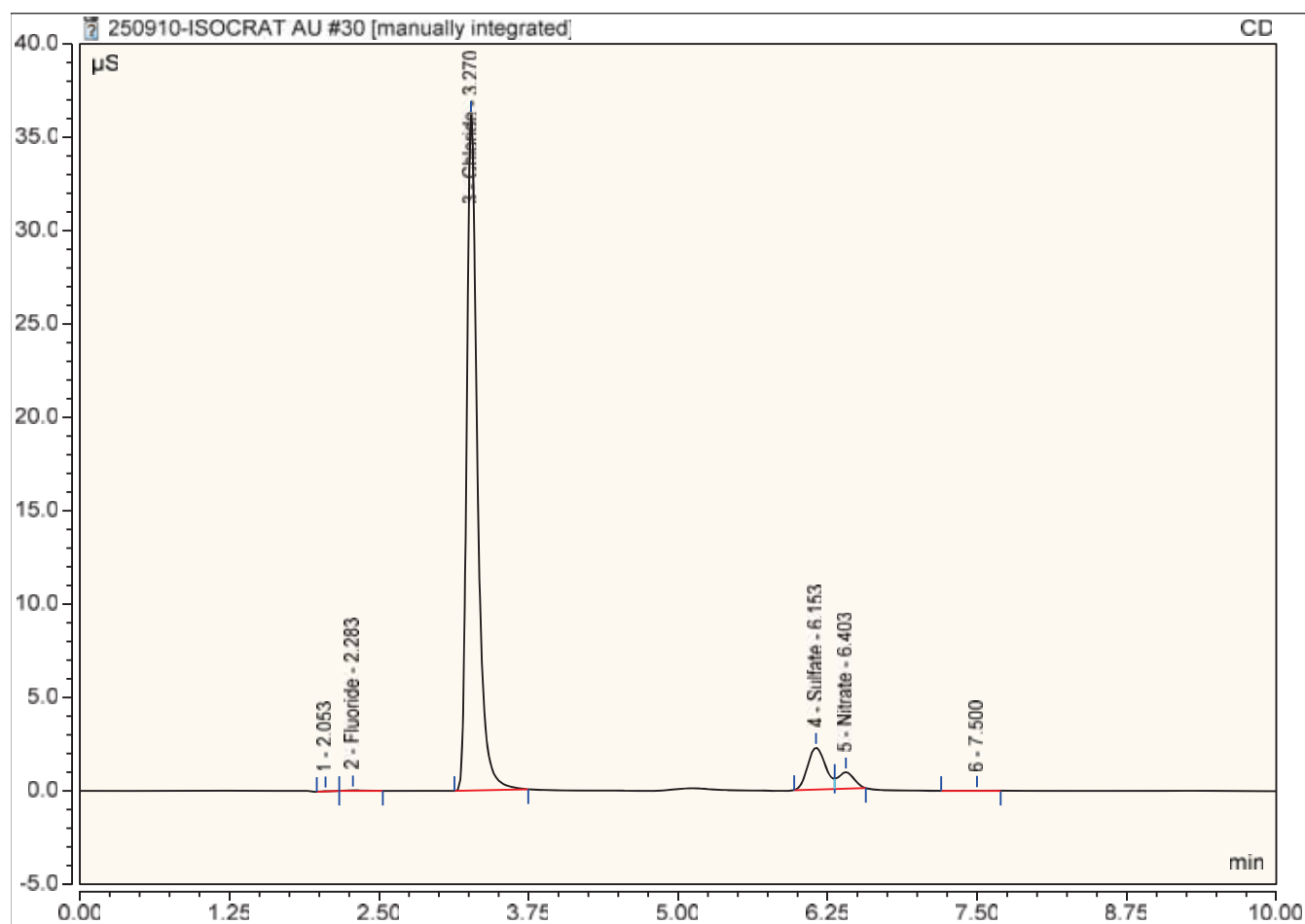
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.31	Fluoride	BMB	0.035	0.322	0.0797
2	3.29	Chloride	BMB	302.507	2310.638	712.0222
3	5.38	Bromide	BMB*	1.245	9.017	9.1800
4	5.90	Sulfate	BM *	8.983	39.373	28.9233
5	6.33	Nitrate	MB*	0.402	2.380	0.3995
TOTAL:				313.17	2361.73	750.60



Peak Integration Report

Sample Name:	XL2555105-01; 5X CL	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	5.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 20:21	Run Time:	10.00

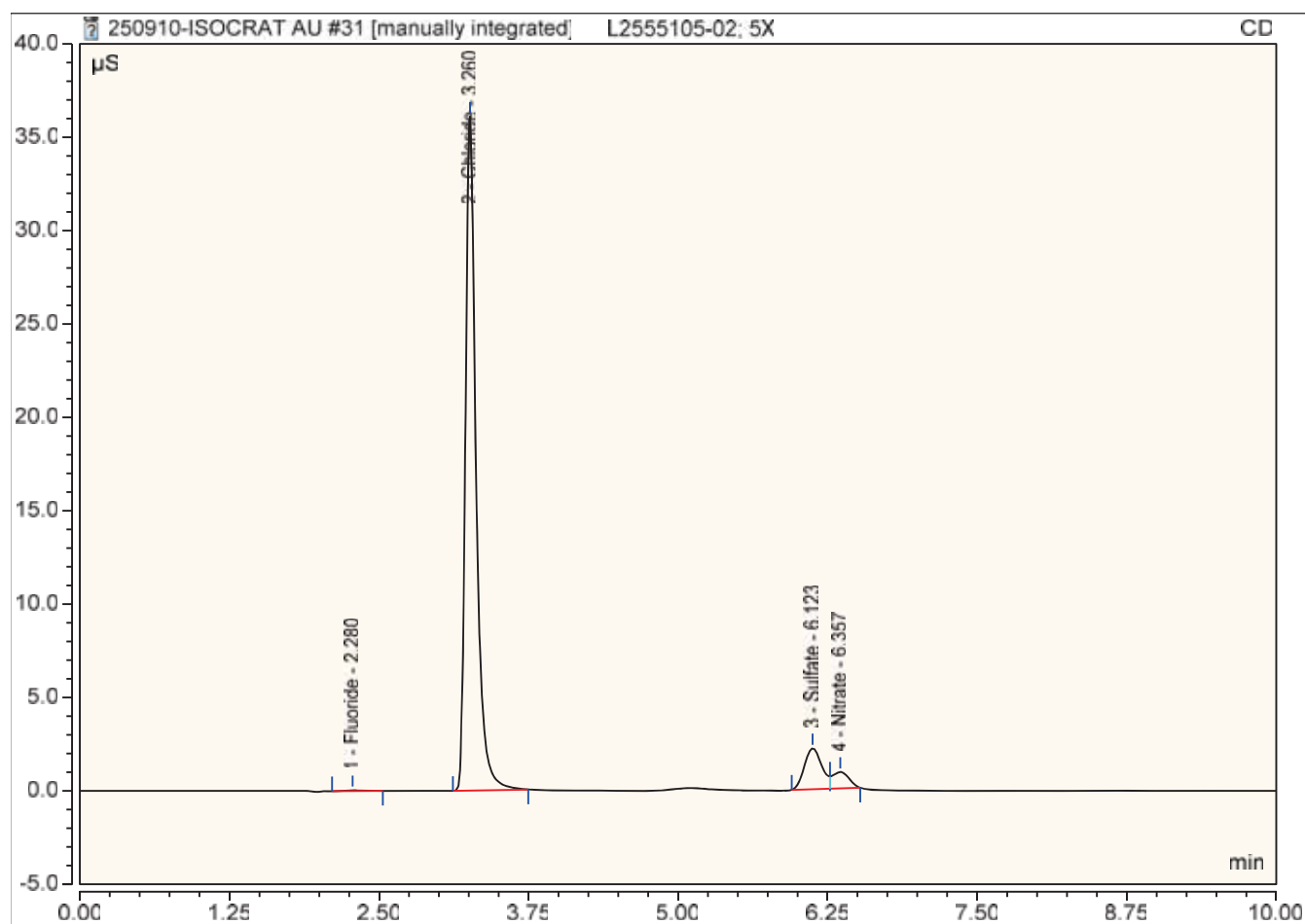
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.005	0.038	0.1567
3	3.27	Chloride	BMB	3.751	36.141	44.5134
4	6.15	Sulfate	BM *	0.389	2.242	7.4608
5	6.40	Nitrate	MB*	0.138	0.883	0.7827
TOTAL:				4.28	39.31	52.91



Peak Integration Report

Sample Name:	L2555105-02; 5X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	5.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 20:33	Run Time:	10.00

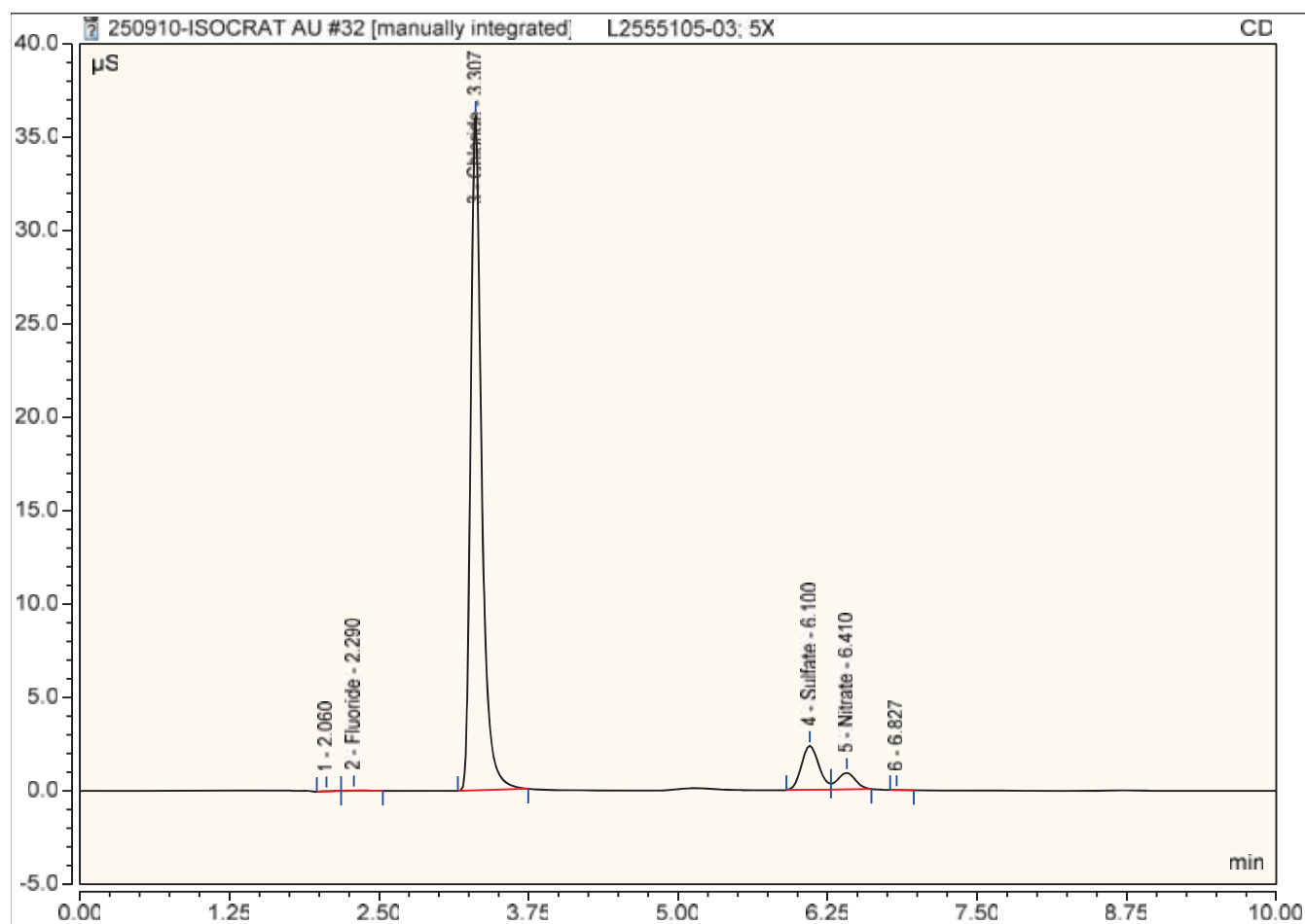
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.28	Fluoride	BMB	0.005	0.036	0.1551
2	3.26	Chloride	BMB	3.700	36.074	43.9071
3	6.12	Sulfate	BM *	0.371	2.188	7.1777
4	6.36	Nitrate	MB*	0.141	0.878	0.7982
TOTAL:				4.22	39.18	52.04



Peak Integration Report

Sample Name:	L2555105-03; 5X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	5.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 20:45	Run Time:	10.00

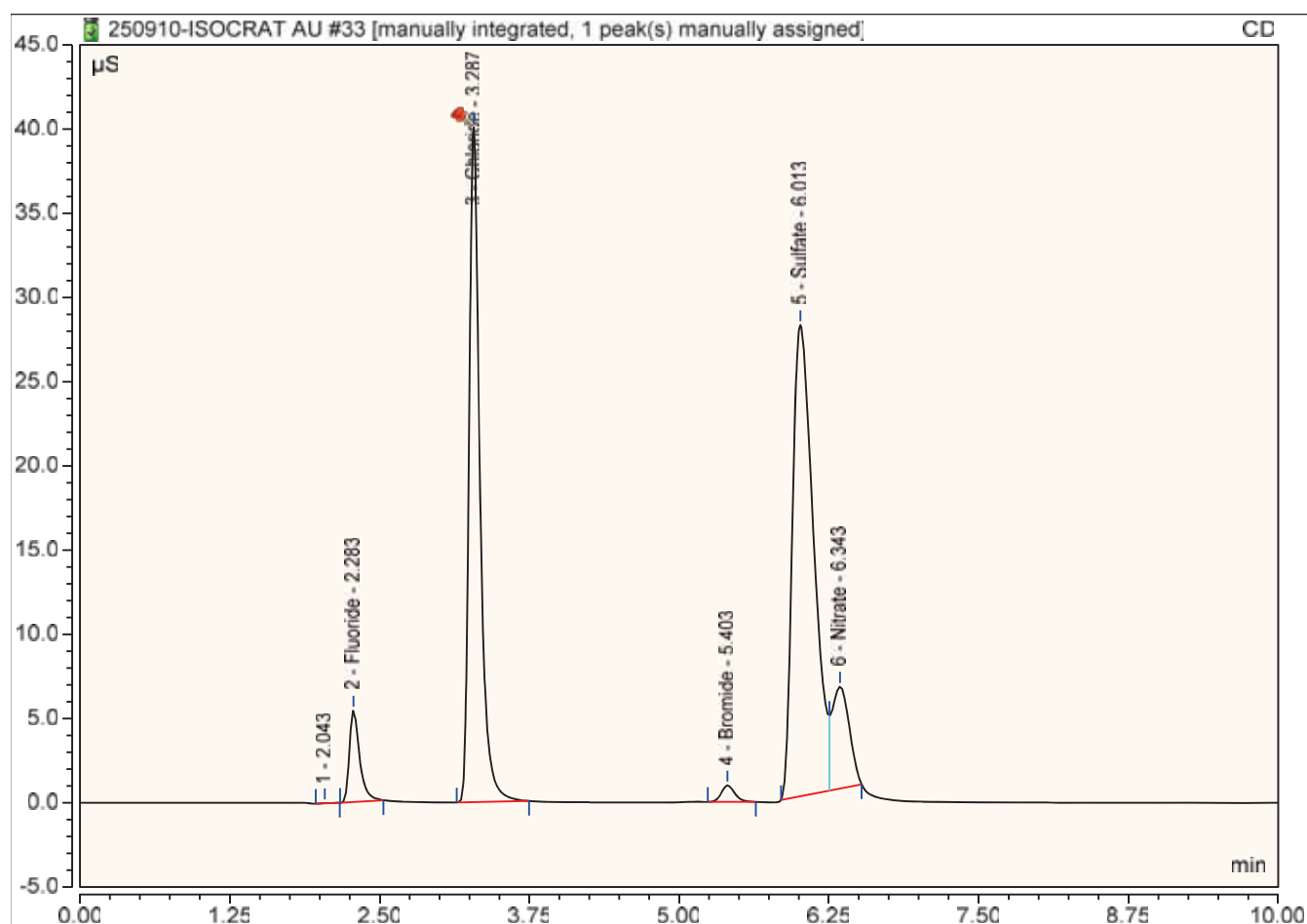
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.004	0.033	0.1499
3	3.31	Chloride	BMB	3.866	36.122	45.8675
4	6.10	Sulfate	BM *	0.400	2.355	7.6430
5	6.41	Nitrate	MB*	0.156	0.886	0.8671
TOTAL:				4.43	39.39	54.53



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 20:57	Run Time:	10.00

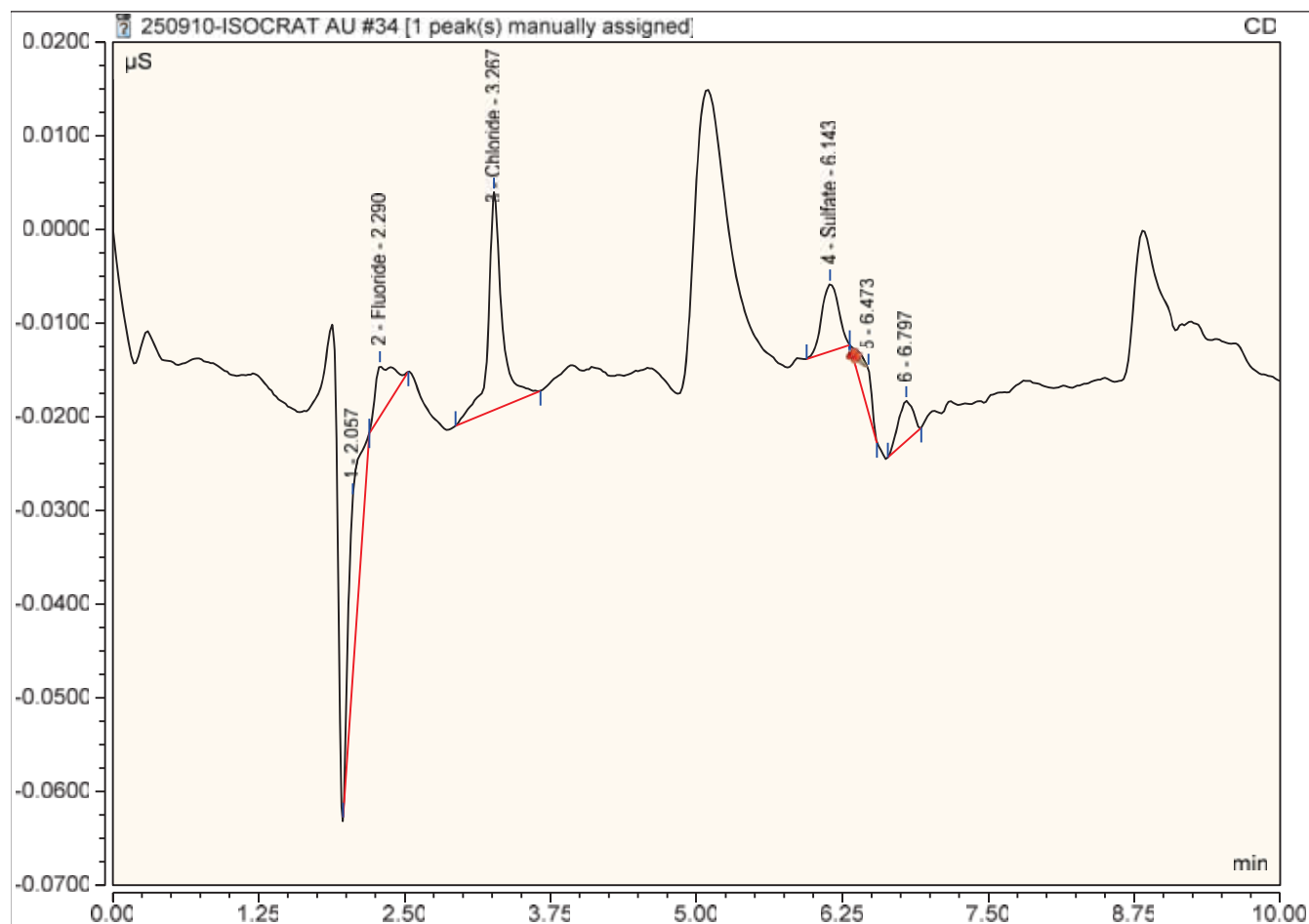
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.538	5.440	0.8903
3	3.29	Chloride	BMB^	4.204	40.045	9.9676
4	5.40	Bromide	BMB*	0.129	0.985	0.9720
5	6.01	Sulfate	BM *	5.678	27.978	18.3749
6	6.34	Nitrate	MB*	1.020	6.058	0.9669
TOTAL:				11.57	80.51	31.17



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 21:09	Run Time:	10.00

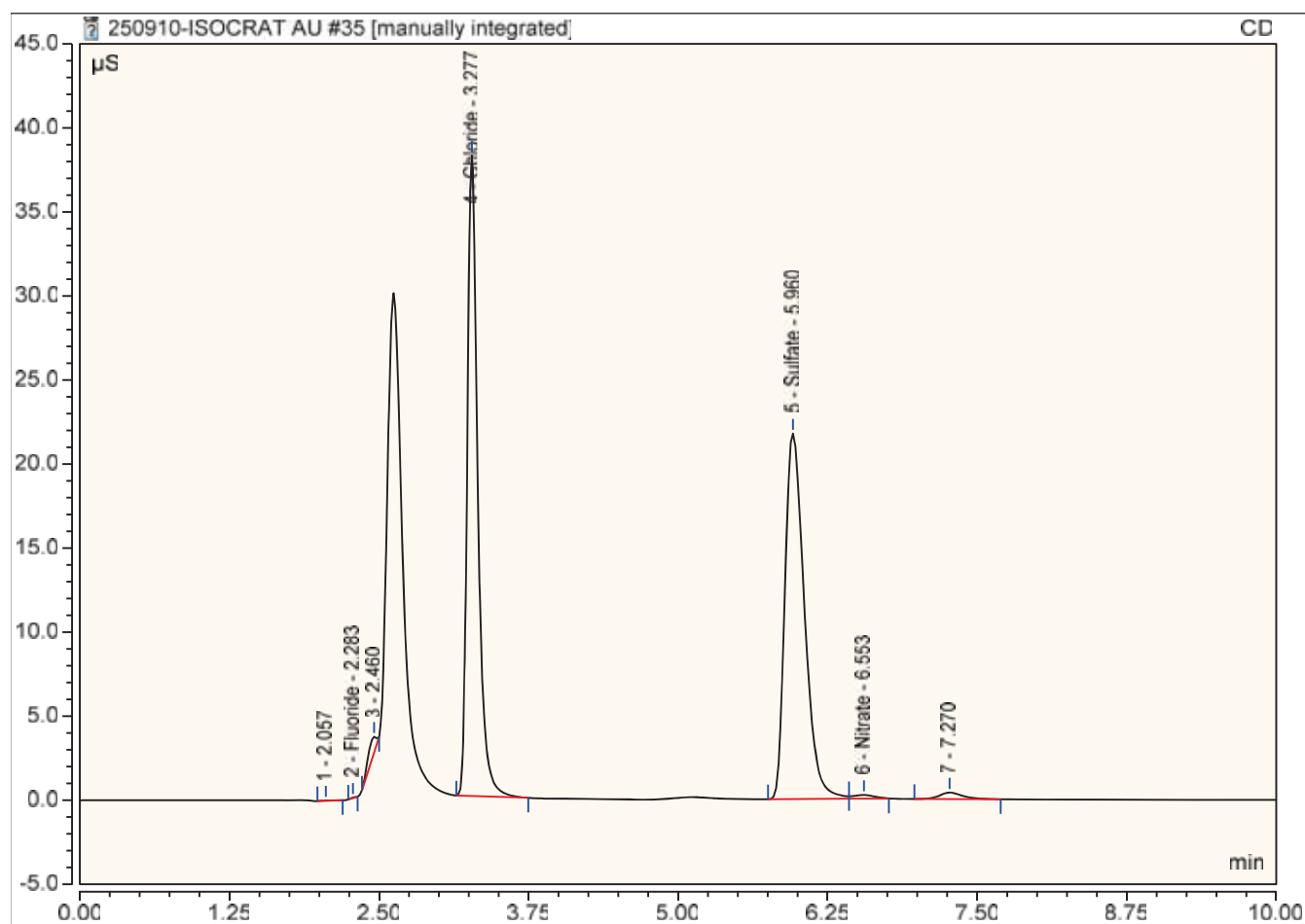
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.001	0.005	0.0250
3	3.27	Chloride	BMB	0.003	0.023	0.0818
4	6.14	Sulfate	BMB	0.001	0.007	0.2559
TOTAL:				0.01	0.04	0.36



Peak Integration Report

Sample Name:	L2553924-01; 10X CL	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 21:21	Run Time:	10.00

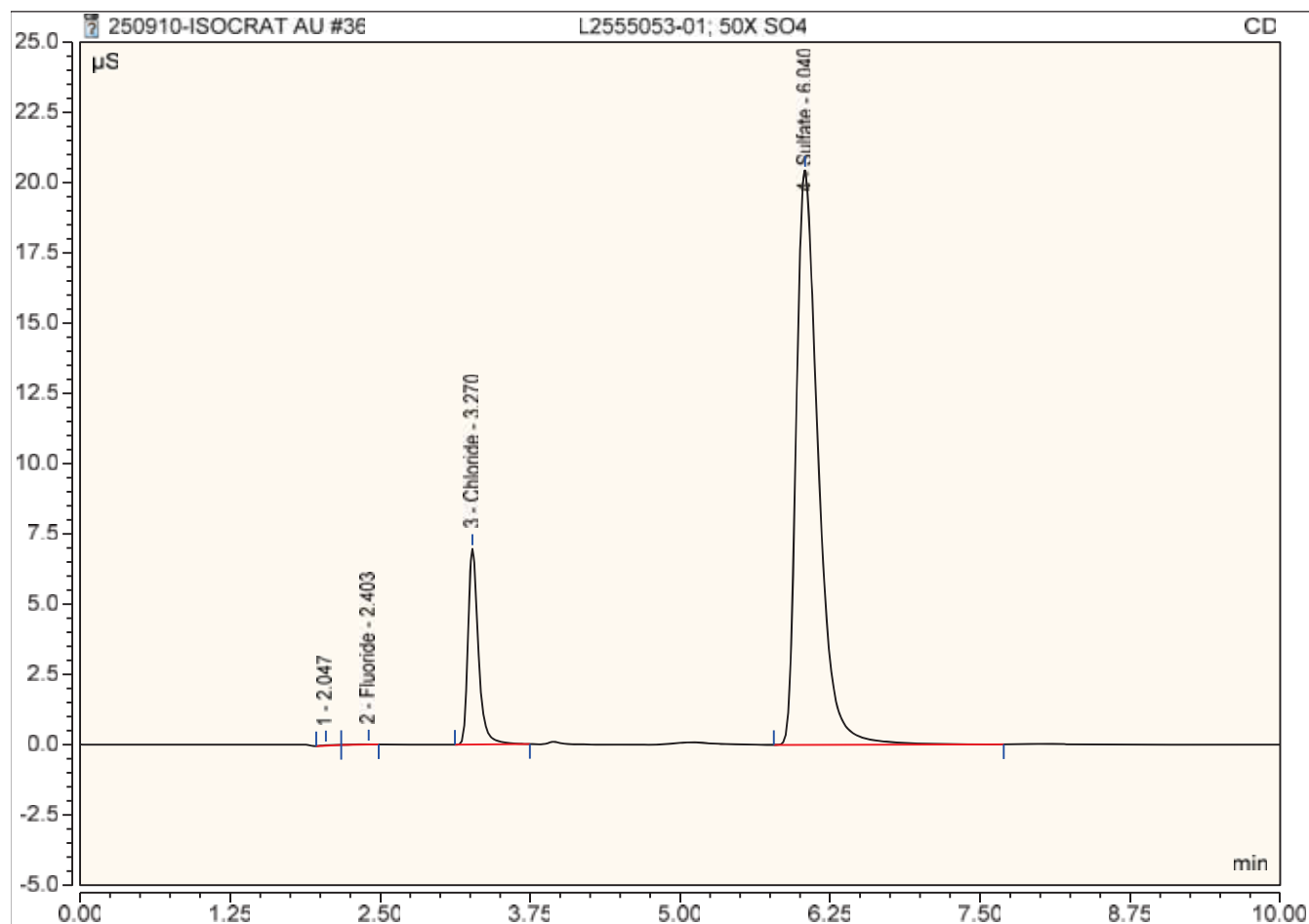
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.001	0.029	0.2547
4	3.28	Chloride	BMB	3.886	38.098	92.1990
5	5.96	Sulfate	BM *	4.098	21.748	133.3330
6	6.55	Nitrate	MB*	0.044	0.218	0.7081
TOTAL:				8.03	60.09	226.49



Peak Integration Report

Sample Name:	L2555053-01; 50X SO4	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	50.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 21:33	Run Time:	10.00

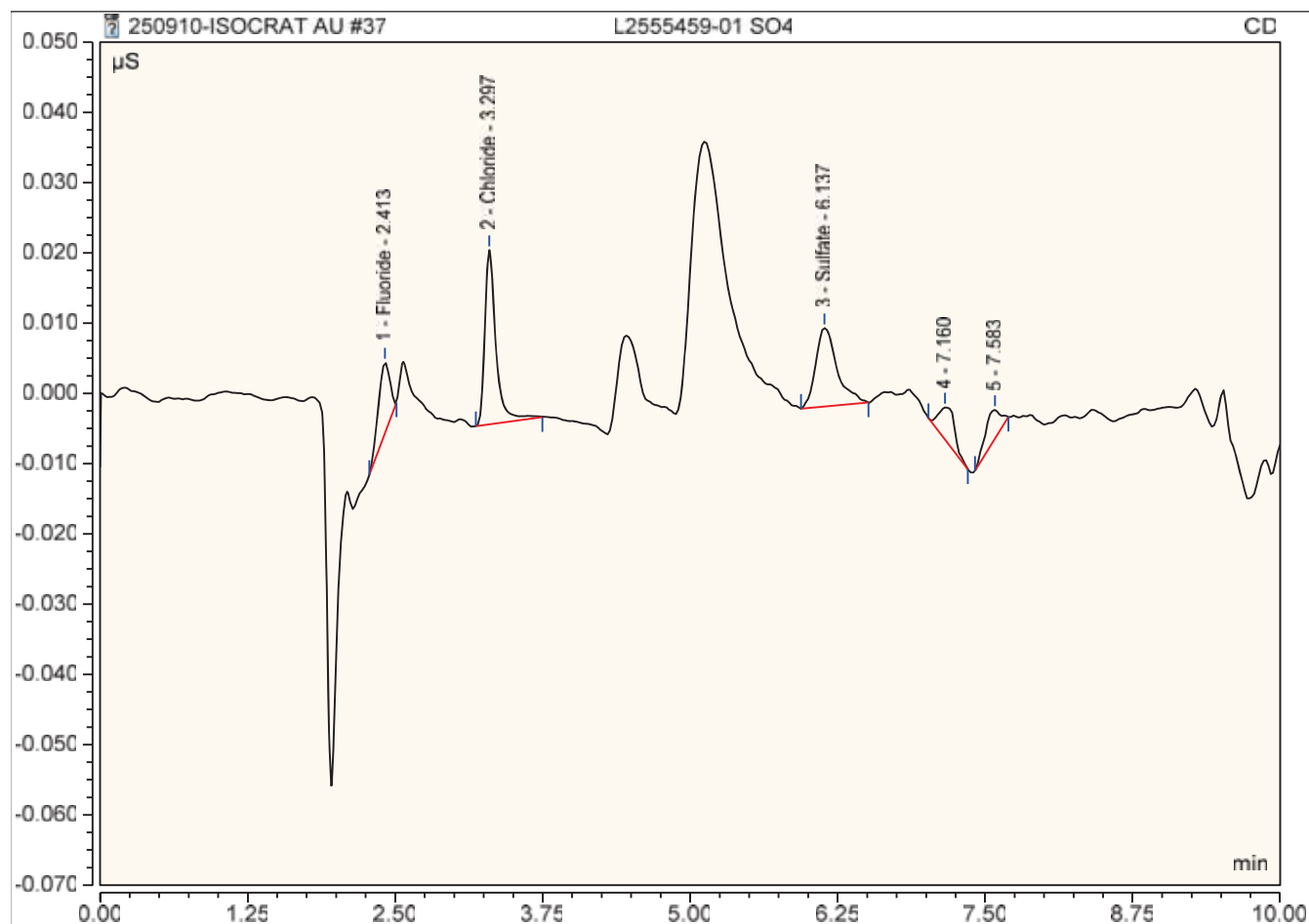
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.40	Fluoride	BMB	0.002	0.006	1.3038
3	3.27	Chloride	BMB	0.695	6.960	85.4979
4	6.04	Sulfate	BMB	4.358	20.436	708.1260
TOTAL:				5.05	27.40	794.93



Peak Integration Report

Sample Name:	L2555459-01 SO4	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 21:45	Run Time:	10.00

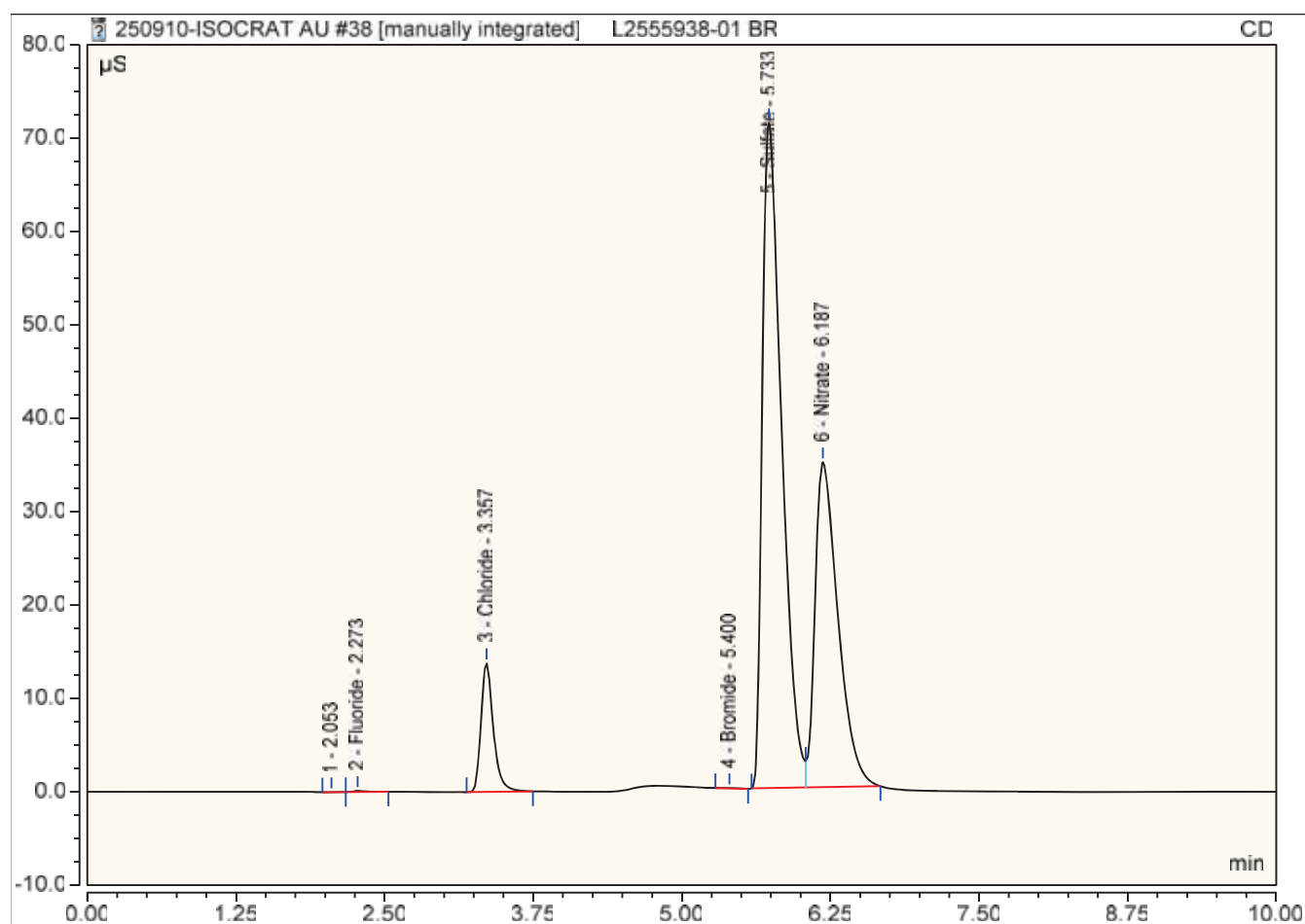
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.41	Fluoride	BMB	0.001	0.010	0.0255
2	3.30	Chloride	BMB	0.003	0.025	0.0807
3	6.14	Sulfate	BMB	0.002	0.011	0.2595
TOTAL:				0.01	0.05	0.37



Peak Integration Report

Sample Name:	L2555938-01 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 21:57	Run Time:	10.00

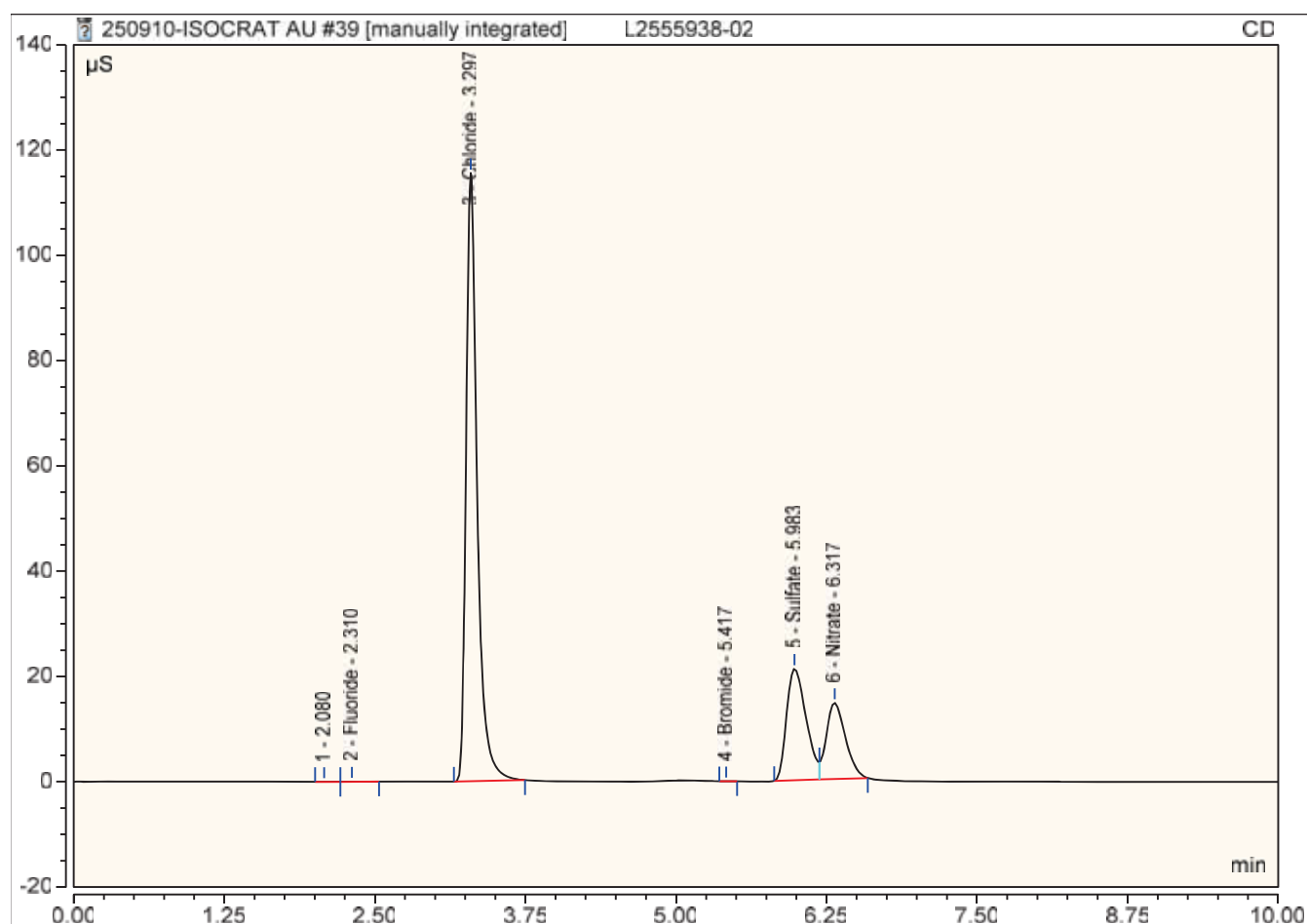
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.27	Fluoride	BMB	0.013	0.113	0.0438
3	3.36	Chloride	BMB	1.655	13.802	3.9683
4	5.40	Bromide	BMB*	0.006	0.037	0.0678
5	5.73	Sulfate	BM *	13.533	71.234	43.4475
6	6.19	Nitrate	MB*	7.812	34.821	7.2088
TOTAL:				23.02	120.01	54.74



Peak Integration Report

Sample Name:	L2555938-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 22:09	Run Time:	10.00

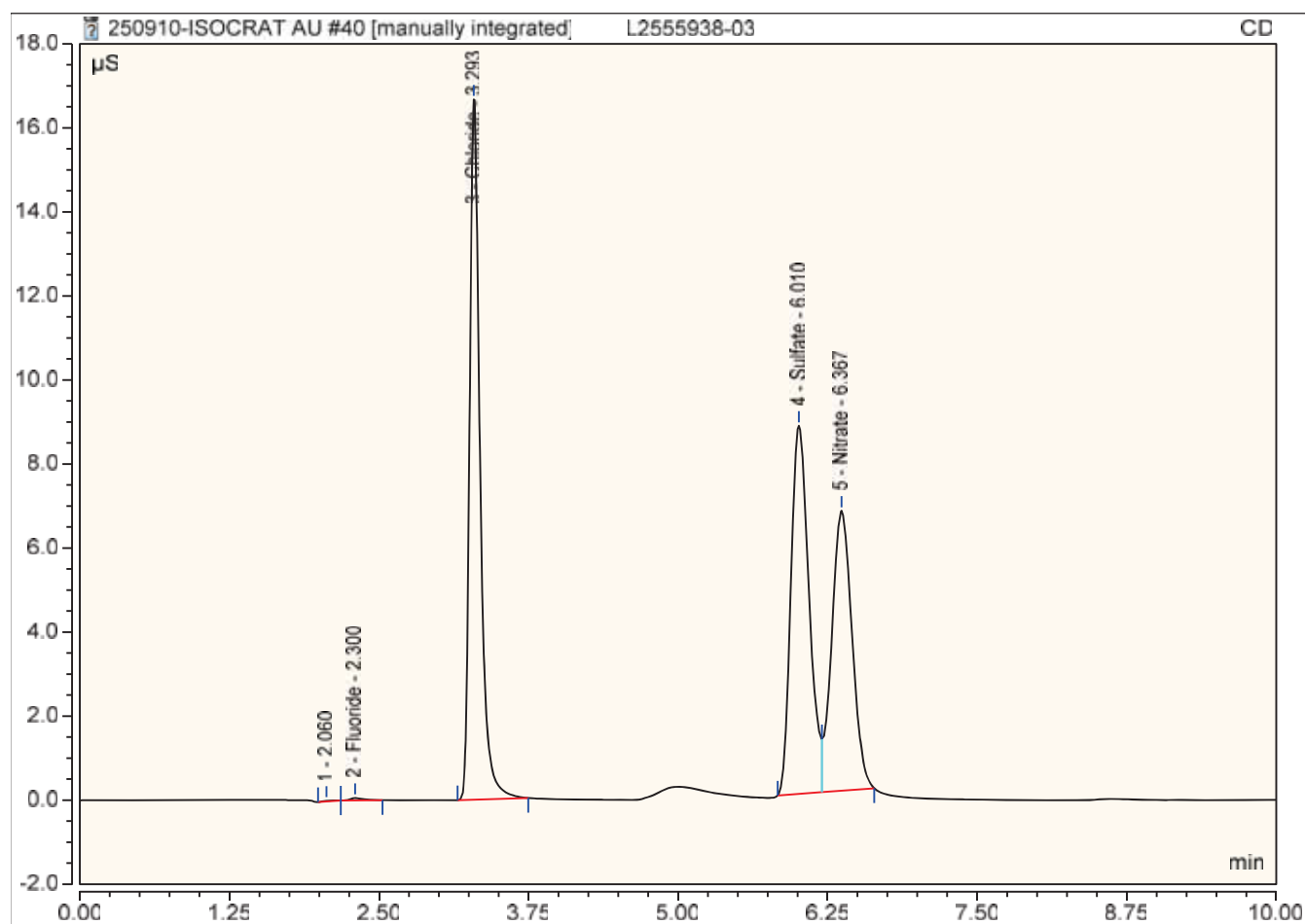
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.007	0.056	0.0346
3	3.30	Chloride	BMB	12.400	115.524	29.2583
4	5.42	Bromide	BMB	0.000	0.005	0.0259
5	5.98	Sulfate	BM *	3.972	21.179	12.9293
6	6.32	Nitrate	MB*	2.672	14.467	2.4855
TOTAL:				19.05	151.23	44.73



Peak Integration Report

Sample Name:	L2555938-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 22:21	Run Time:	10.00

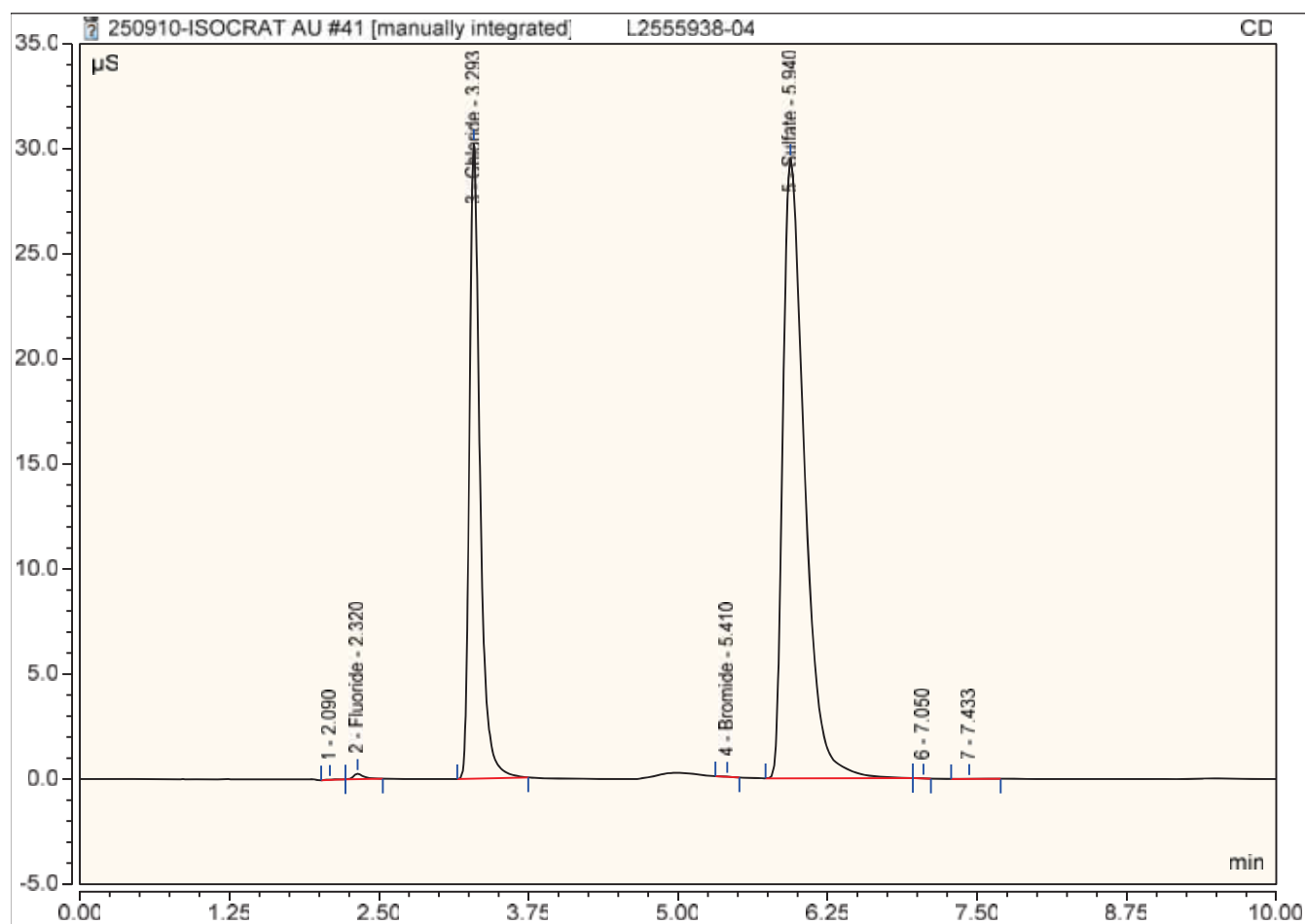
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.006	0.053	0.0337
3	3.29	Chloride	BMB	1.686	16.660	4.0421
4	6.01	Sulfate	BM *	1.536	8.760	5.1543
5	6.37	Nitrate	MB*	1.307	6.661	1.2310
TOTAL:				4.54	32.13	10.46



Peak Integration Report

Sample Name:	L2555938-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 22:33	Run Time:	10.00

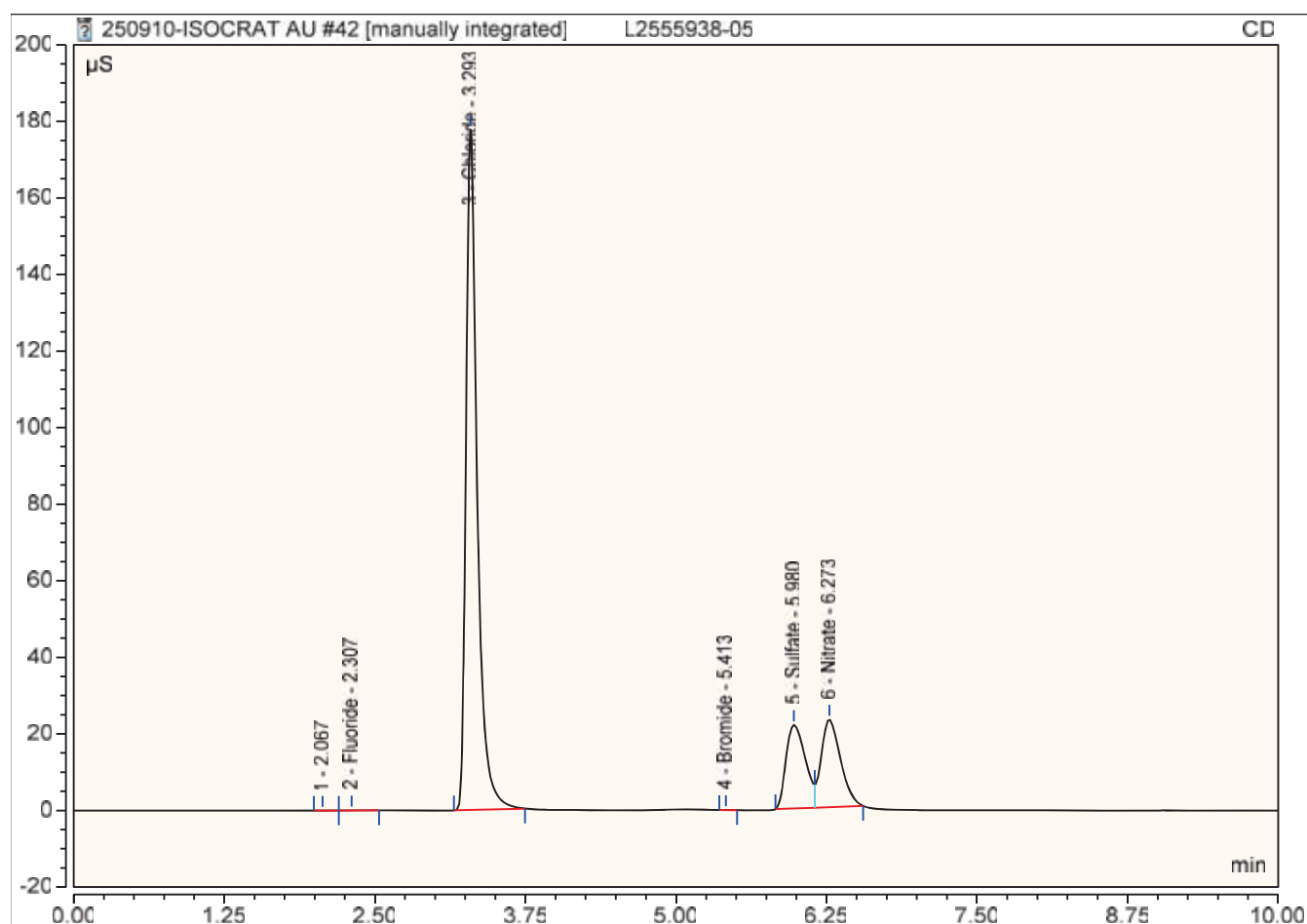
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.025	0.256	0.0640
3	3.29	Chloride	BMB	3.115	30.215	7.4057
4	5.41	Bromide	BMB*	0.001	0.013	0.0323
5	5.94	Sulfate	BMB	6.160	29.477	19.9139
TOTAL:				9.30	59.96	27.42



Peak Integration Report

Sample Name:	L2555938-05	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 22:46	Run Time:	10.00

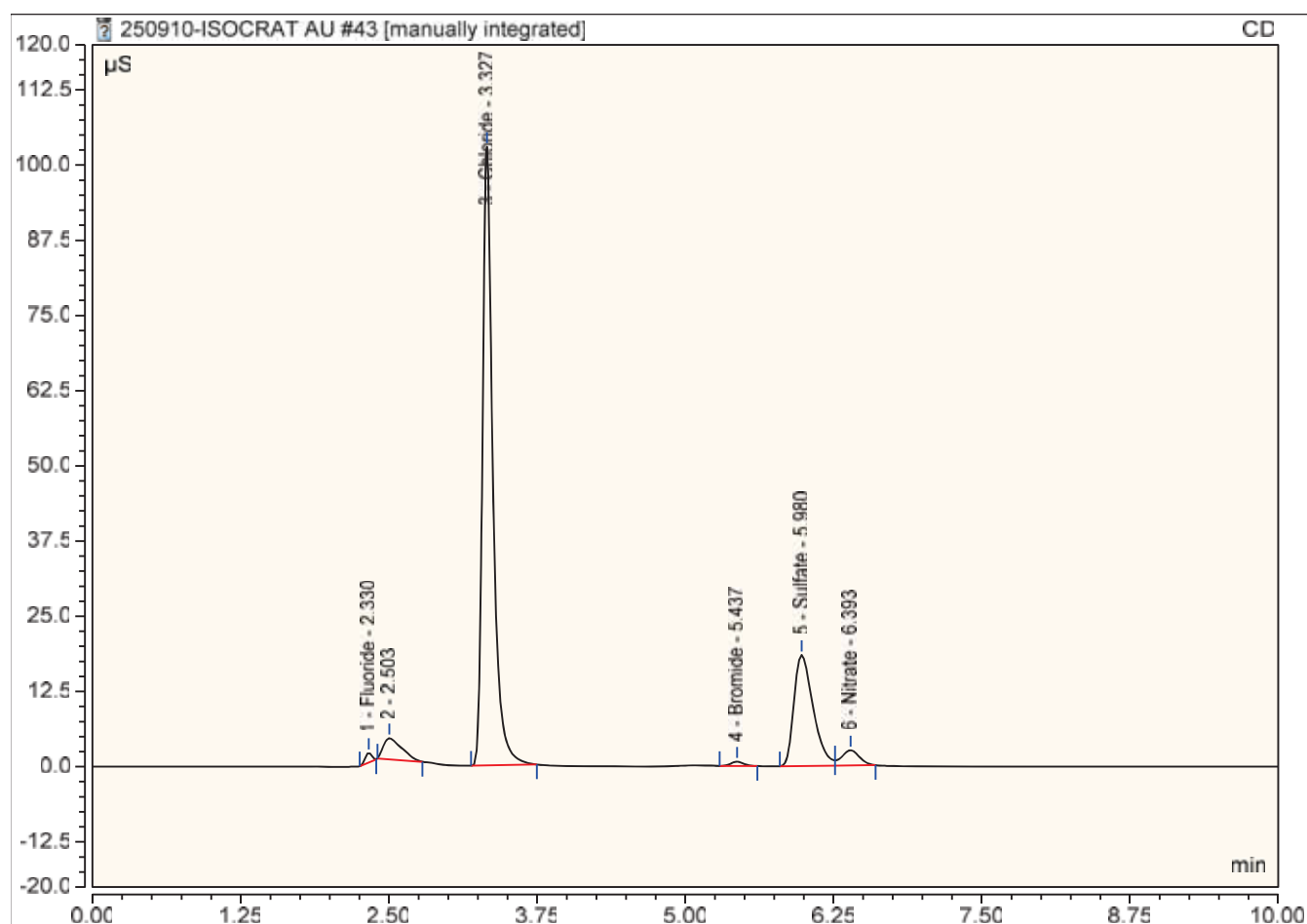
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.007	0.064	0.0351
3	3.29	Chloride	BMB	19.200	177.729	45.2624
4	5.41	Bromide	BMB	0.001	0.008	0.0274
5	5.98	Sulfate	BM *	4.060	21.828	13.2103
6	6.27	Nitrate	MB*	4.256	22.920	3.9409
TOTAL:				27.52	222.55	62.48



Peak Integration Report

Sample Name:	L2555226-01 MS BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 22:58	Run Time:	10.00

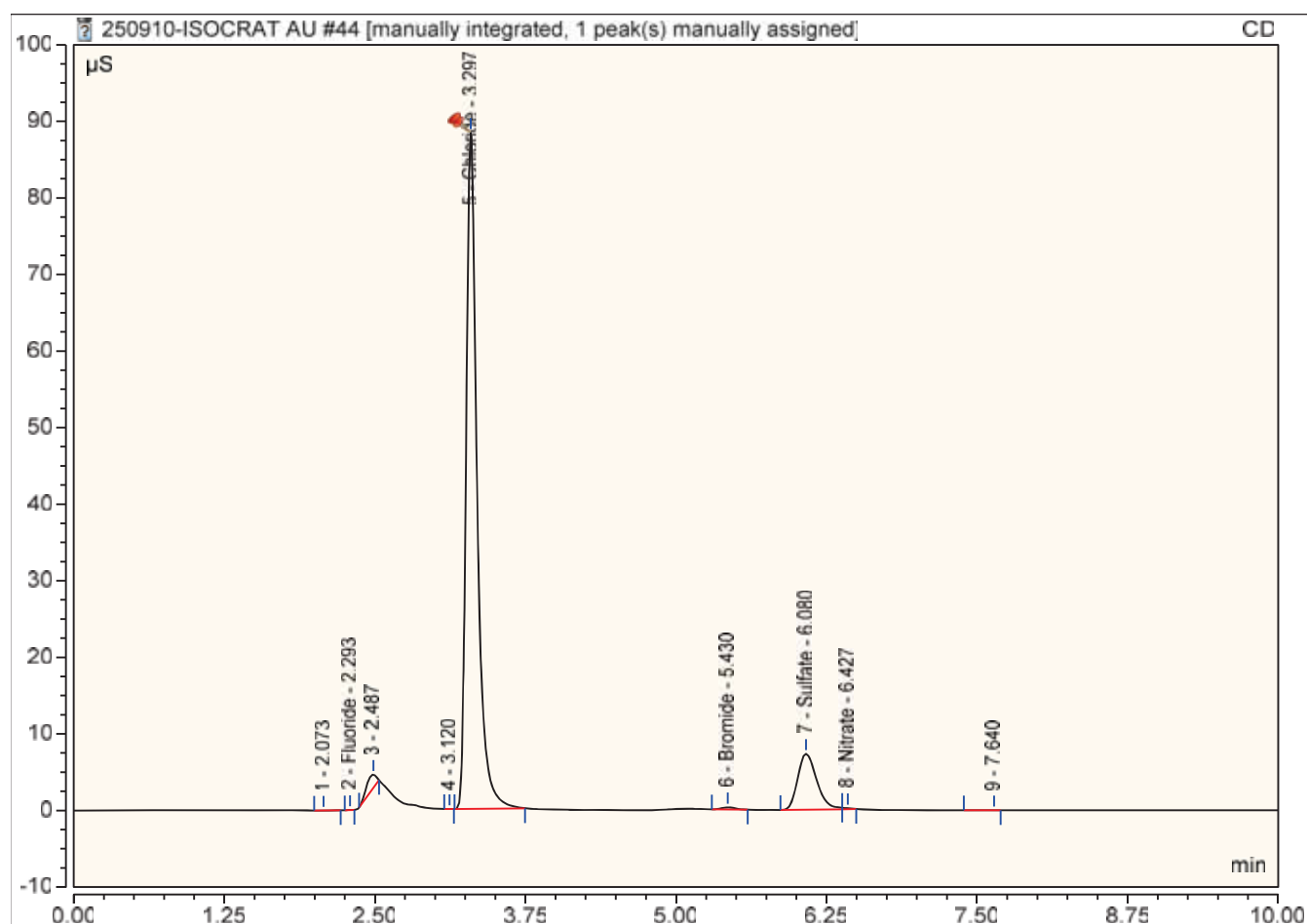
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	0.103	1.570	0.1889
3	3.33	Chloride	BMB	10.399	102.832	24.5487
4	5.44	Bromide	BMB*	0.091	0.712	0.6912
5	5.98	Sulfate	BM *	3.452	18.440	11.2712
6	6.39	Nitrate	MB*	0.438	2.517	0.4321
TOTAL:				14.48	126.07	37.13



Peak Integration Report

Sample Name:	L2555226-01 DUP	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 23:10	Run Time:	10.00

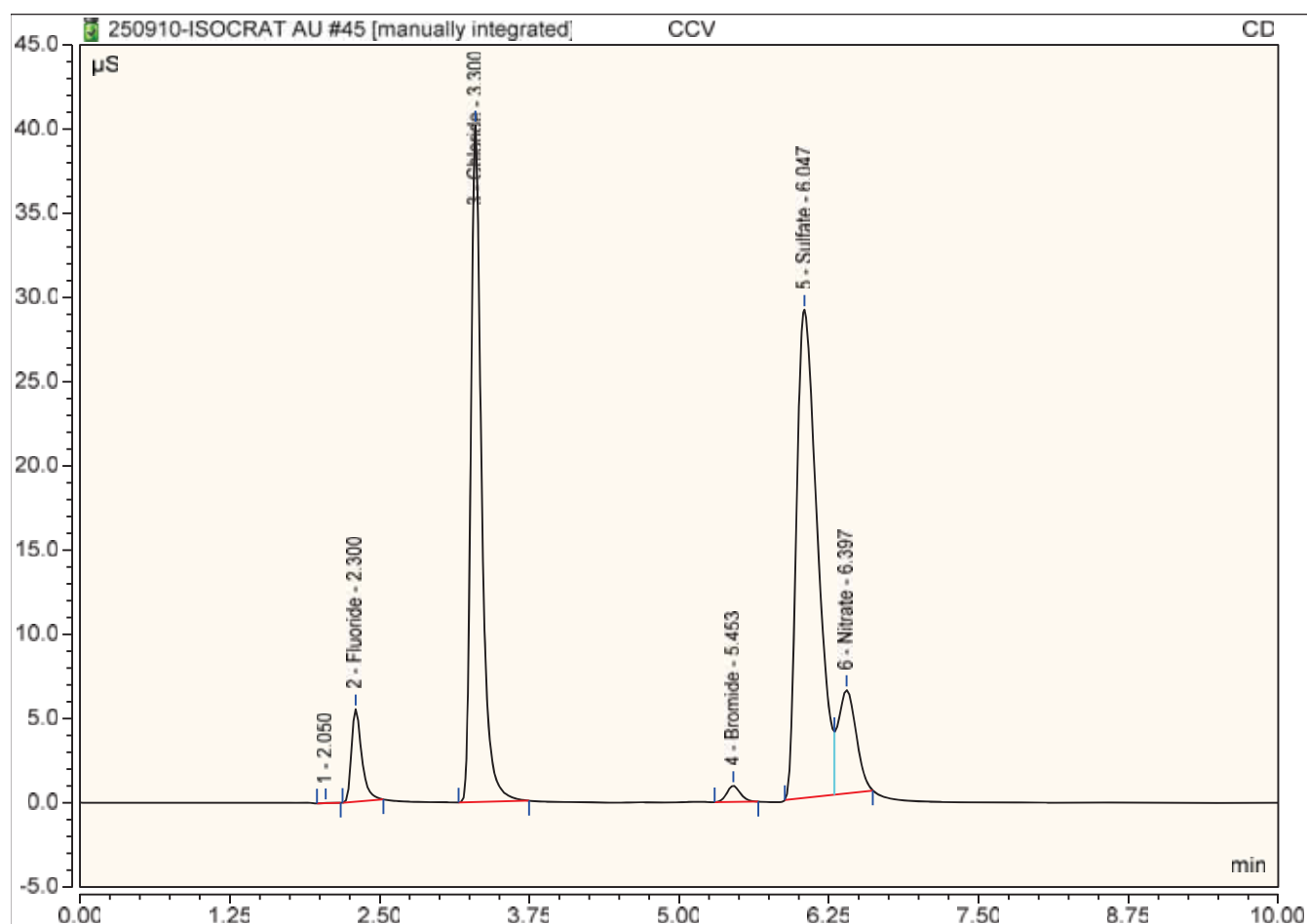
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.001	0.014	0.0245
5	3.30	Chloride	BMB^	9.280	88.320	21.9151
6	5.43	Bromide	BMB*	0.039	0.293	0.3068
7	6.08	Sulfate	BM *	1.330	7.294	4.4957
8	6.43	Nitrate	MB*	0.011	0.121	0.0404
TOTAL:				10.66	96.04	26.78



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 23:22	Run Time:	10.00

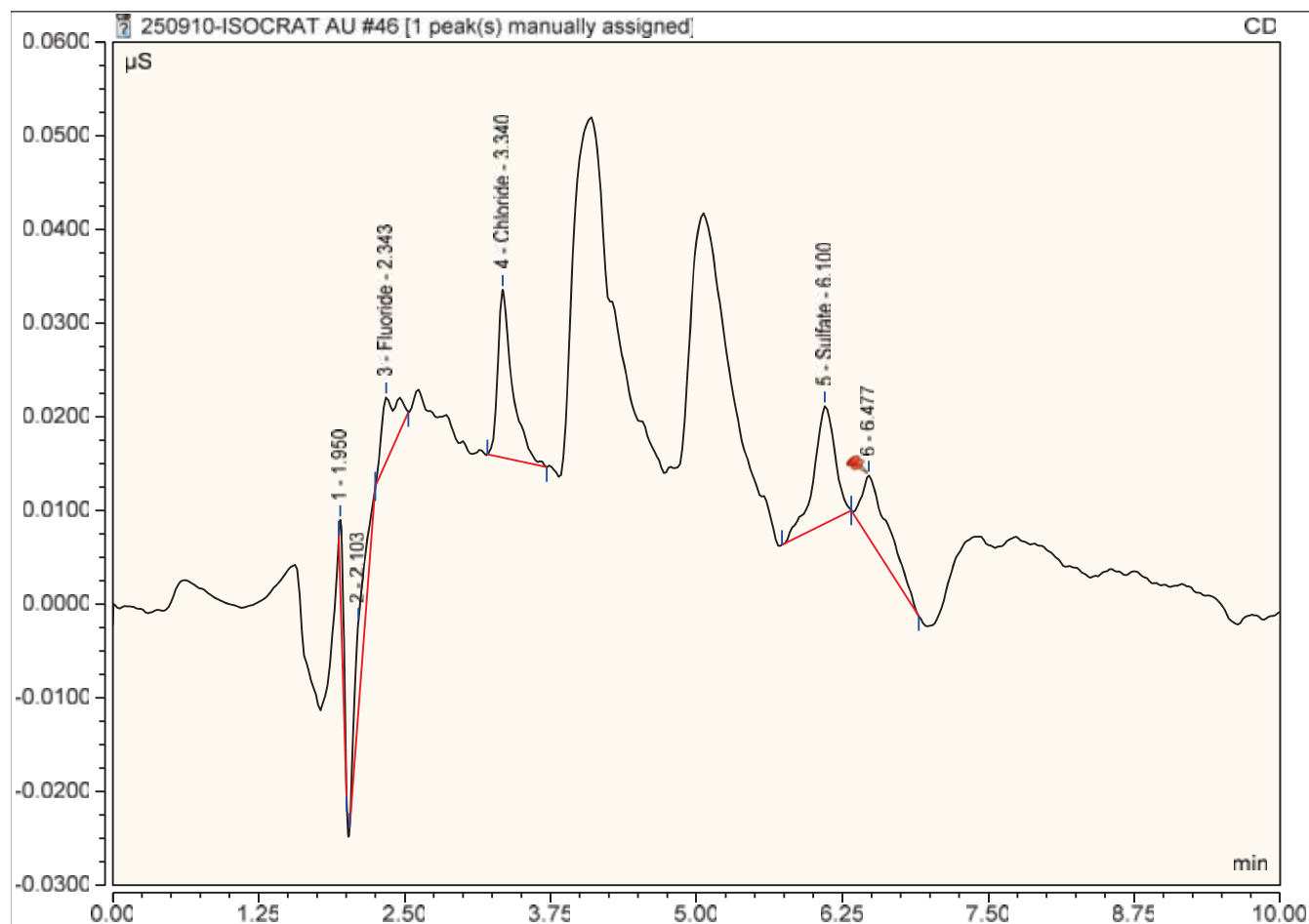
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.545	5.492	0.9014
3	3.30	Chloride	BMB	4.165	40.169	9.8762
4	5.45	Bromide	BMB*	0.125	0.951	0.9425
5	6.05	Sulfate	BM *	5.852	28.972	18.9323
6	6.40	Nitrate	MB*	1.081	6.135	1.0230
TOTAL:				11.77	81.72	31.68



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 23:34	Run Time:	10.00

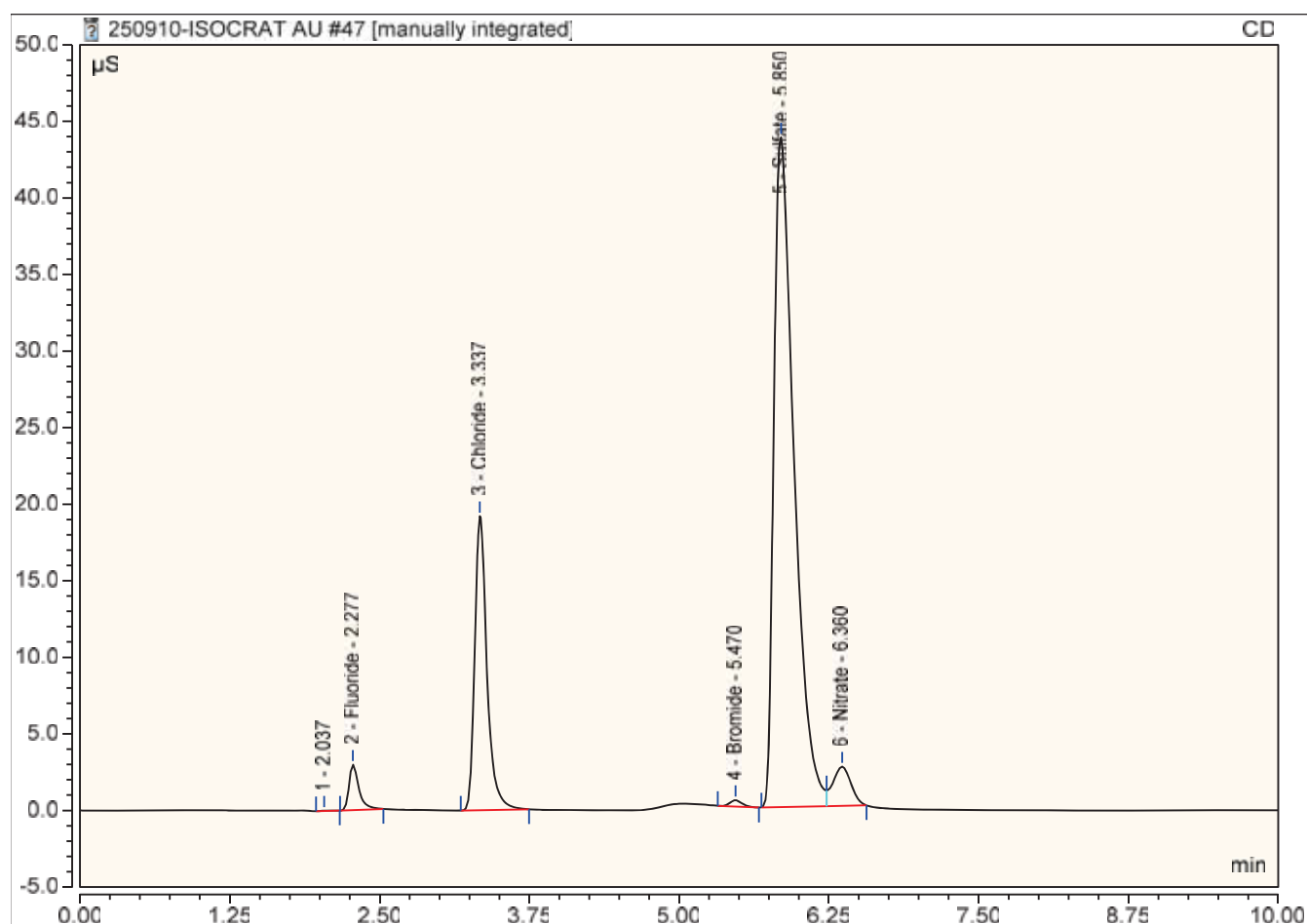
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	2.34	Fluoride	BMB	0.001	0.007	0.0253
4	3.34	Chloride	BMB	0.003	0.018	0.0805
5	6.10	Sulfate	BMB	0.003	0.013	0.2605
TOTAL:				0.01	0.04	0.37



Peak Integration Report

Sample Name:	L2554408-01 MS CL SO4 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 23:46	Run Time:	10.00

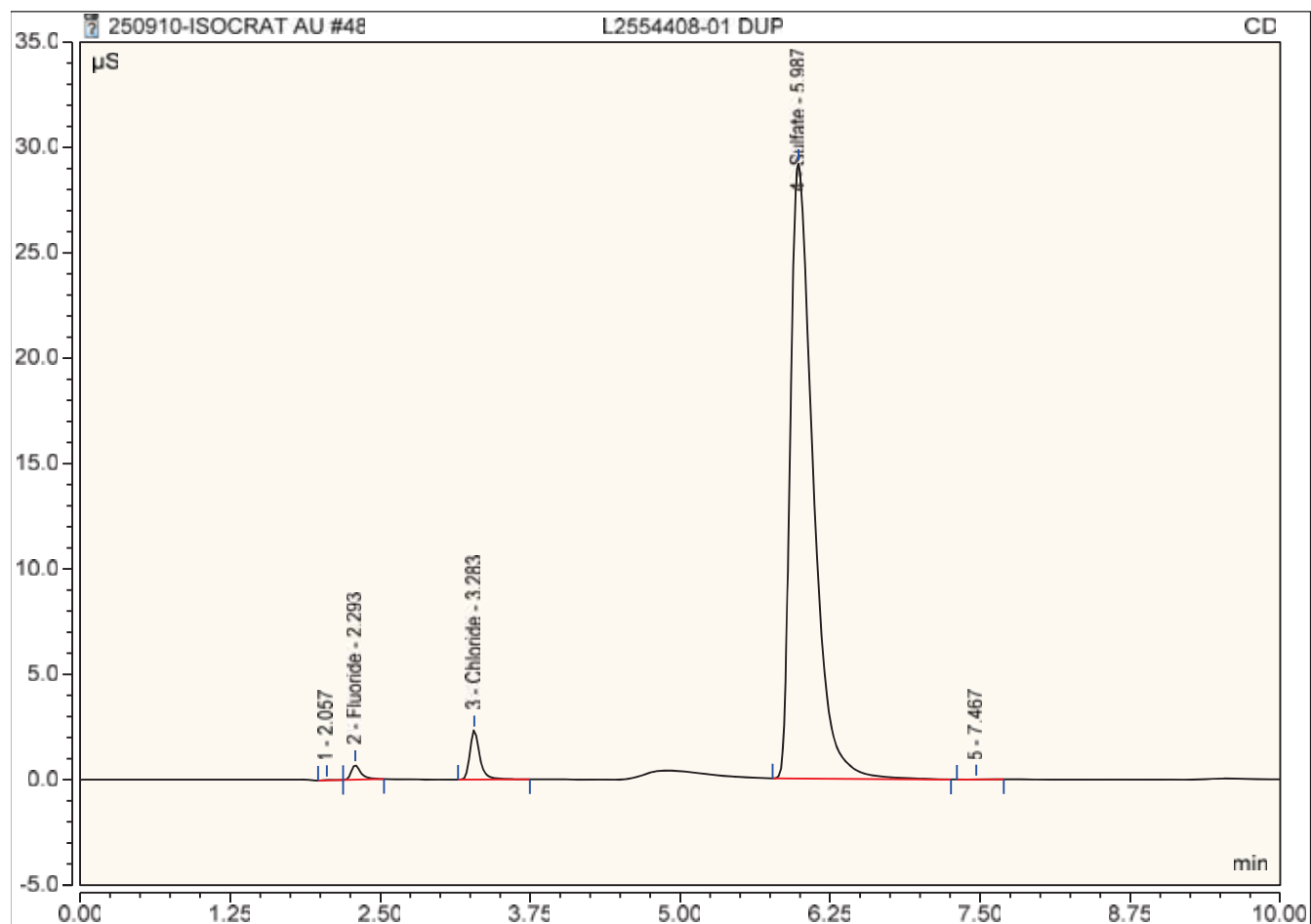
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.283	2.961	0.4793
3	3.34	Chloride	BMB	2.259	19.200	5.3907
4	5.47	Bromide	BMB*	0.050	0.419	0.3892
5	5.85	Sulfate	BM *	8.541	43.723	27.5150
6	6.36	Nitrate	MB*	0.451	2.562	0.4447
TOTAL:				11.58	68.86	34.22



Peak Integration Report

Sample Name:	L2554408-01 DUP	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	10-Sep-2025 / 23:58	Run Time:	10.00

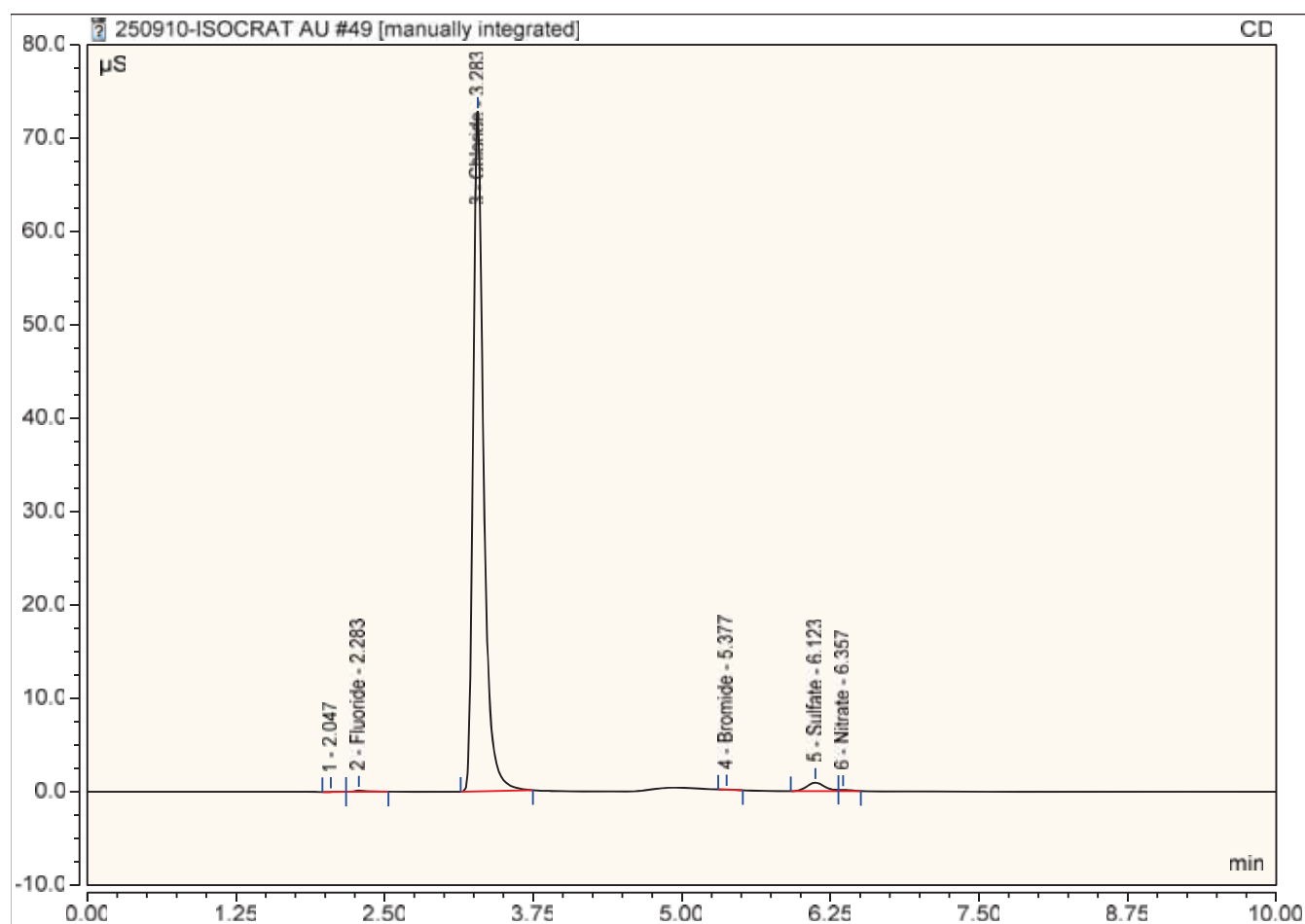
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.064	0.693	0.1274
3	3.28	Chloride	BMB	0.226	2.339	0.6070
4	5.99	Sulfate	BMB	6.372	29.151	20.5904
TOTAL:				6.66	32.18	21.32



Peak Integration Report

Sample Name:	L2554408-02; 5X CL	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	5.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 00:10	Run Time:	10.00

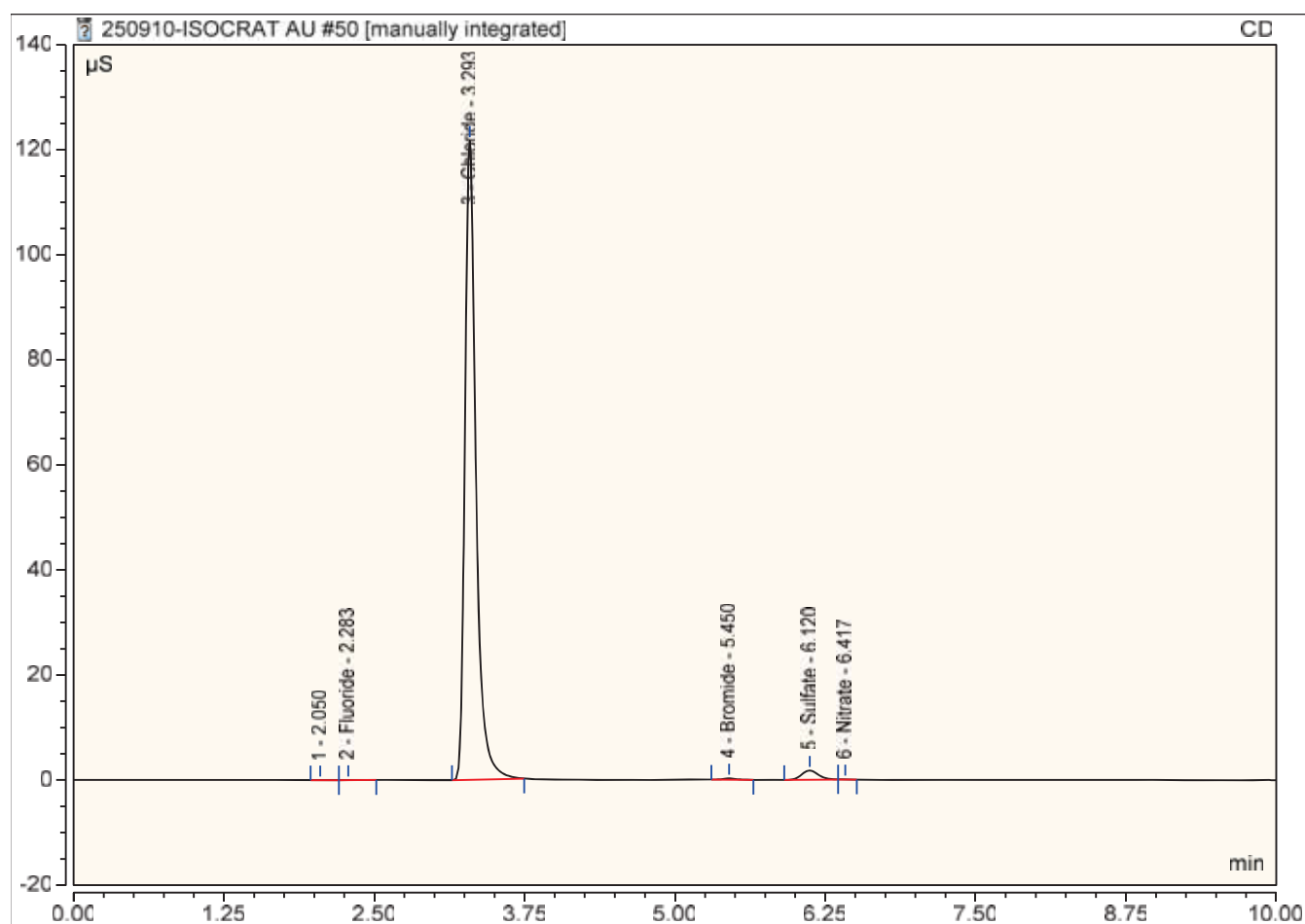
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.013	0.129	0.2262
3	3.28	Chloride	BMB	7.446	72.770	87.9968
4	5.38	Bromide	BMB*	0.005	0.035	0.2807
5	6.12	Sulfate	BM *	0.158	0.910	3.7878
6	6.36	Nitrate	MB*	0.015	0.125	0.2203
TOTAL:				7.64	73.97	92.51



Peak Integration Report

Sample Name:	L2554408-03; 25X CL BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	25.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 00:22	Run Time:	10.00

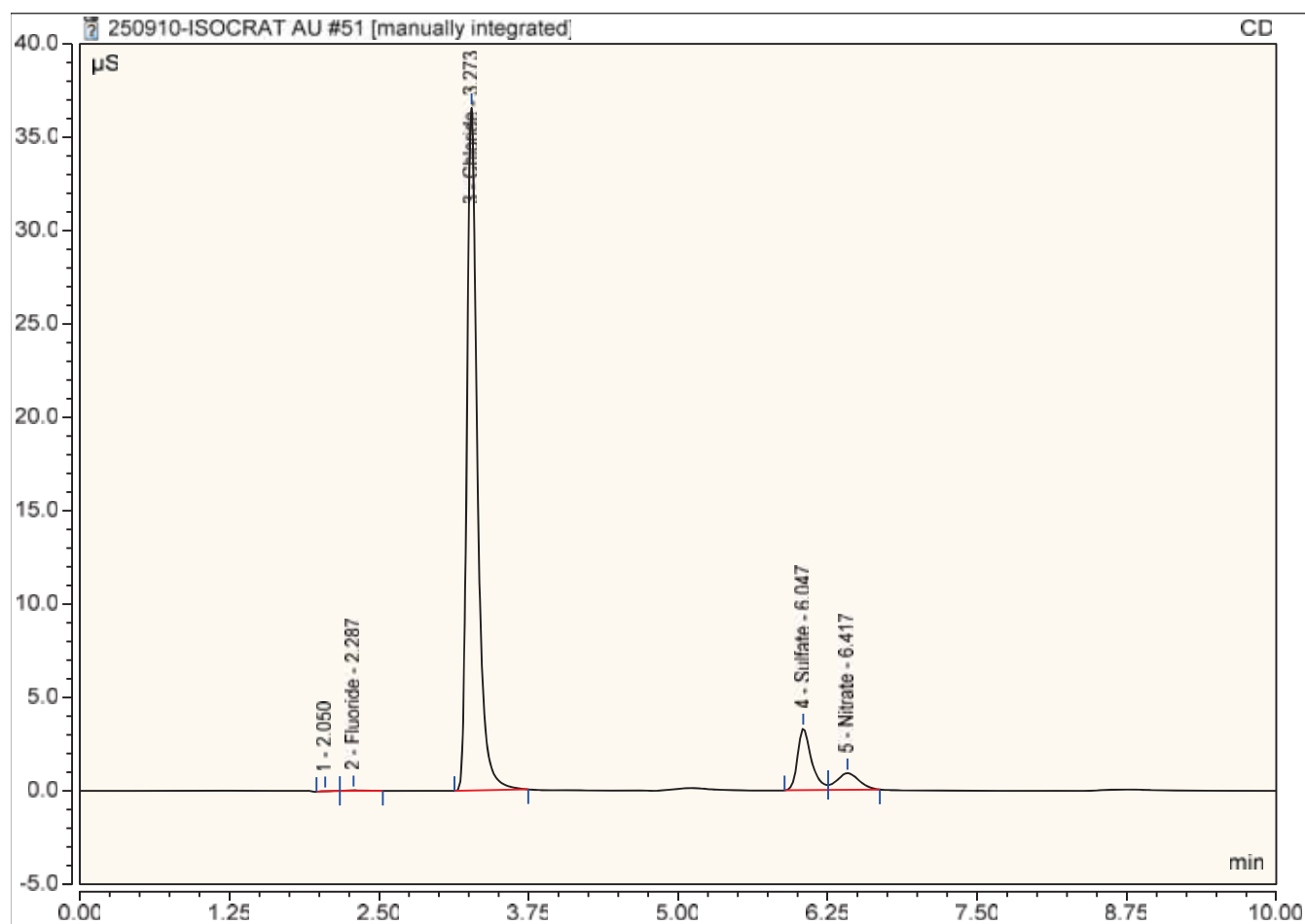
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.002	0.015	0.6745
3	3.29	Chloride	BMB	12.899	121.632	760.7946
4	5.45	Bromide	BMB*	0.032	0.255	6.4650
5	6.12	Sulfate	BM *	0.296	1.772	29.8969
6	6.42	Nitrate	MB*	0.008	0.071	0.9405
TOTAL:				13.24	123.74	798.77



Peak Integration Report

Sample Name:	L2555105-01; 5X CL	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	5.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 00:34	Run Time:	10.00

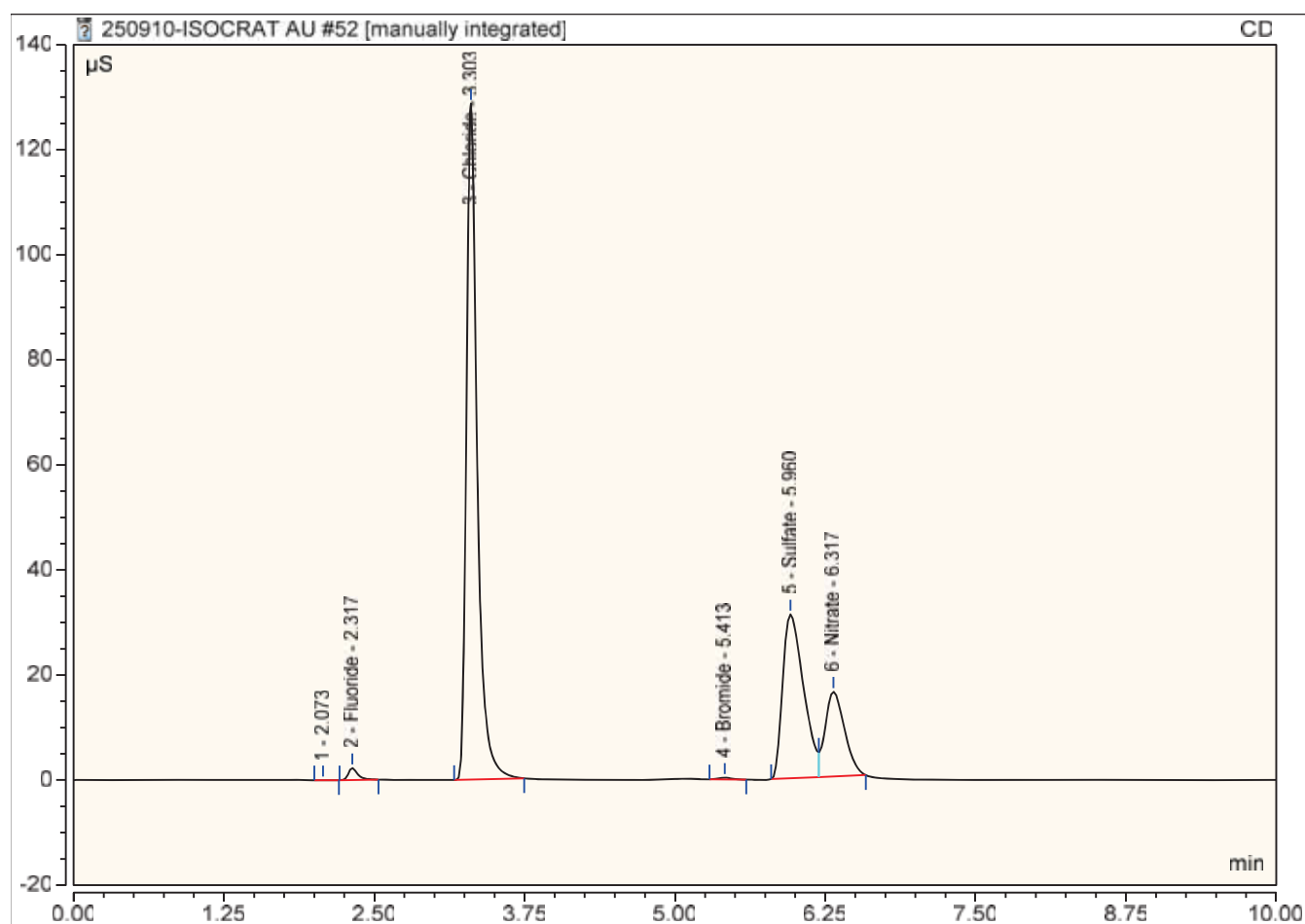
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.004	0.033	0.1491
3	3.27	Chloride	BMB	3.722	36.541	44.1691
4	6.05	Sulfate	BM *	0.448	3.313	8.4137
5	6.42	Nitrate	MB*	0.193	0.890	1.0368
TOTAL:				4.37	40.78	53.77



Peak Integration Report

Sample Name:	L2555938-02 MS BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 00:46	Run Time:	10.00

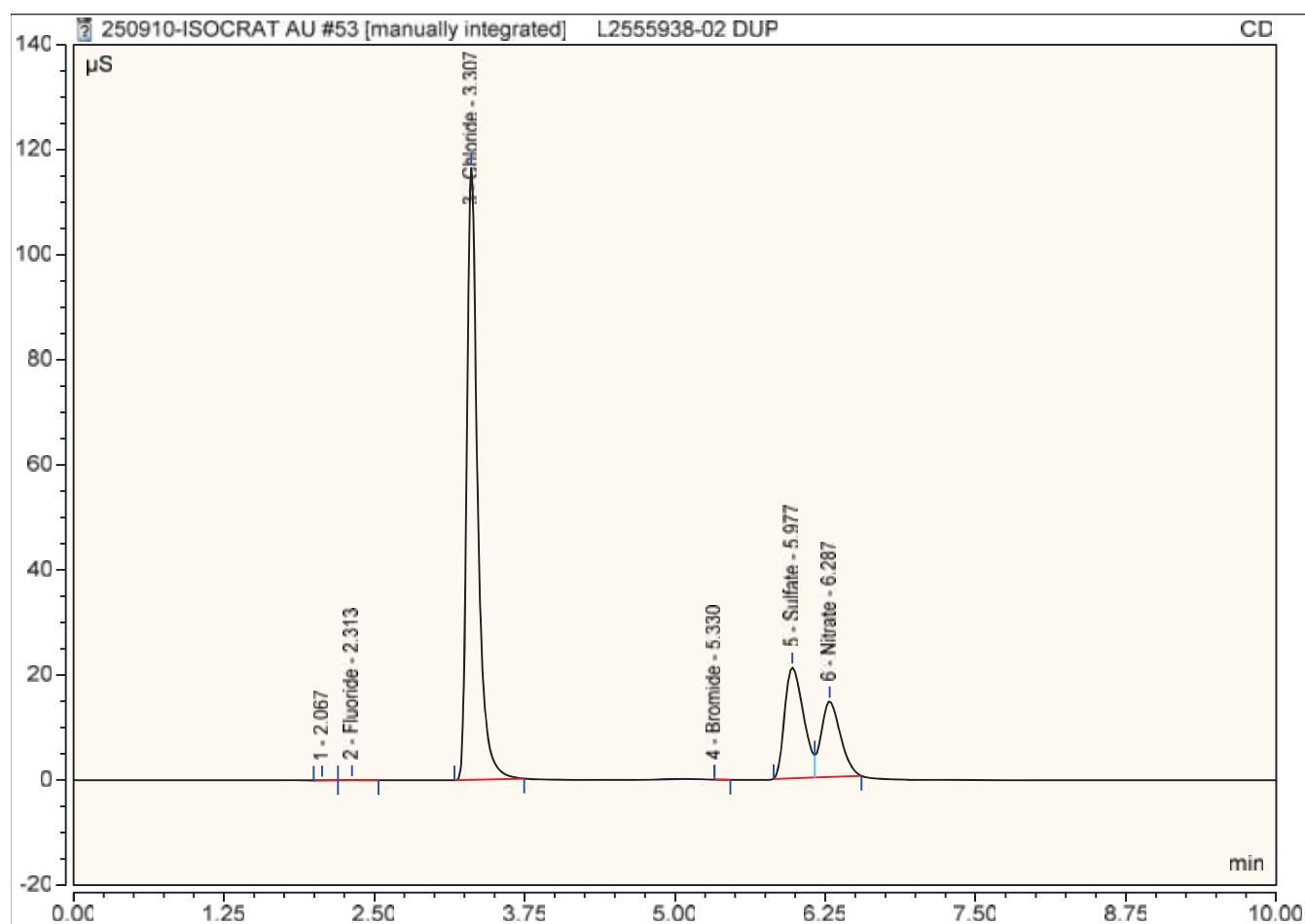
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.204	2.262	0.3530
3	3.30	Chloride	BMB	13.461	128.691	31.7555
4	5.41	Bromide	BMB*	0.043	0.337	0.3374
5	5.96	Sulfate	BM *	6.277	31.218	20.2871
6	6.32	Nitrate	MB*	3.027	16.144	2.8112
TOTAL:				23.01	178.65	55.54



Peak Integration Report

Sample Name:	L2555938-02 DUP	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 00:58	Run Time:	10.00

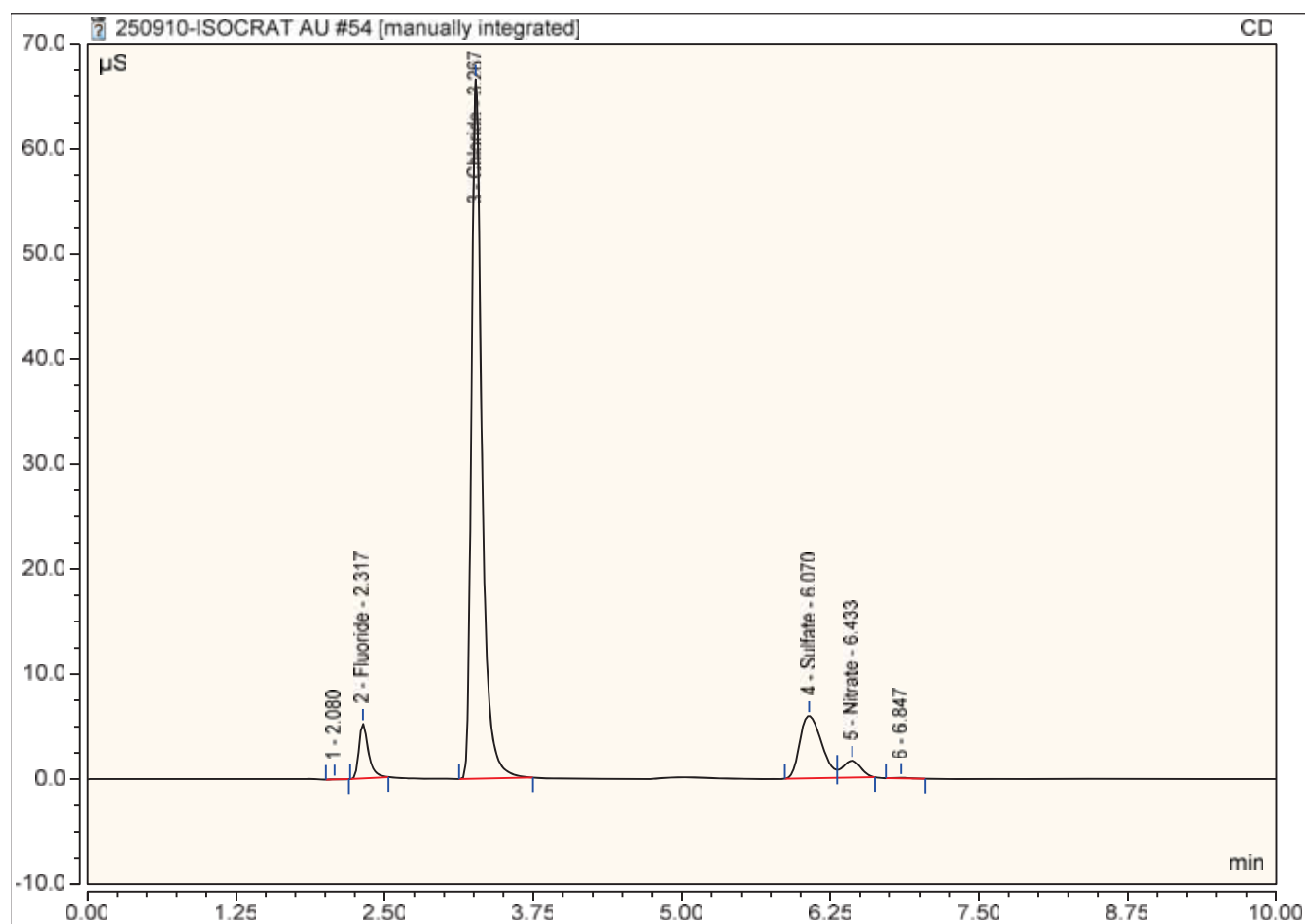
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.007	0.058	0.0348
3	3.31	Chloride	BMB	12.195	116.454	28.7746
4	5.33	Bromide	BMB*	0.000	0.000	0.0259
5	5.98	Sulfate	BM *	3.843	21.119	12.5196
6	6.29	Nitrate	MB*	2.672	14.385	2.4858
TOTAL:				18.72	152.02	43.84



Peak Integration Report

Sample Name:	L2556936-01 CL SO4	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 01:11	Run Time:	10.00

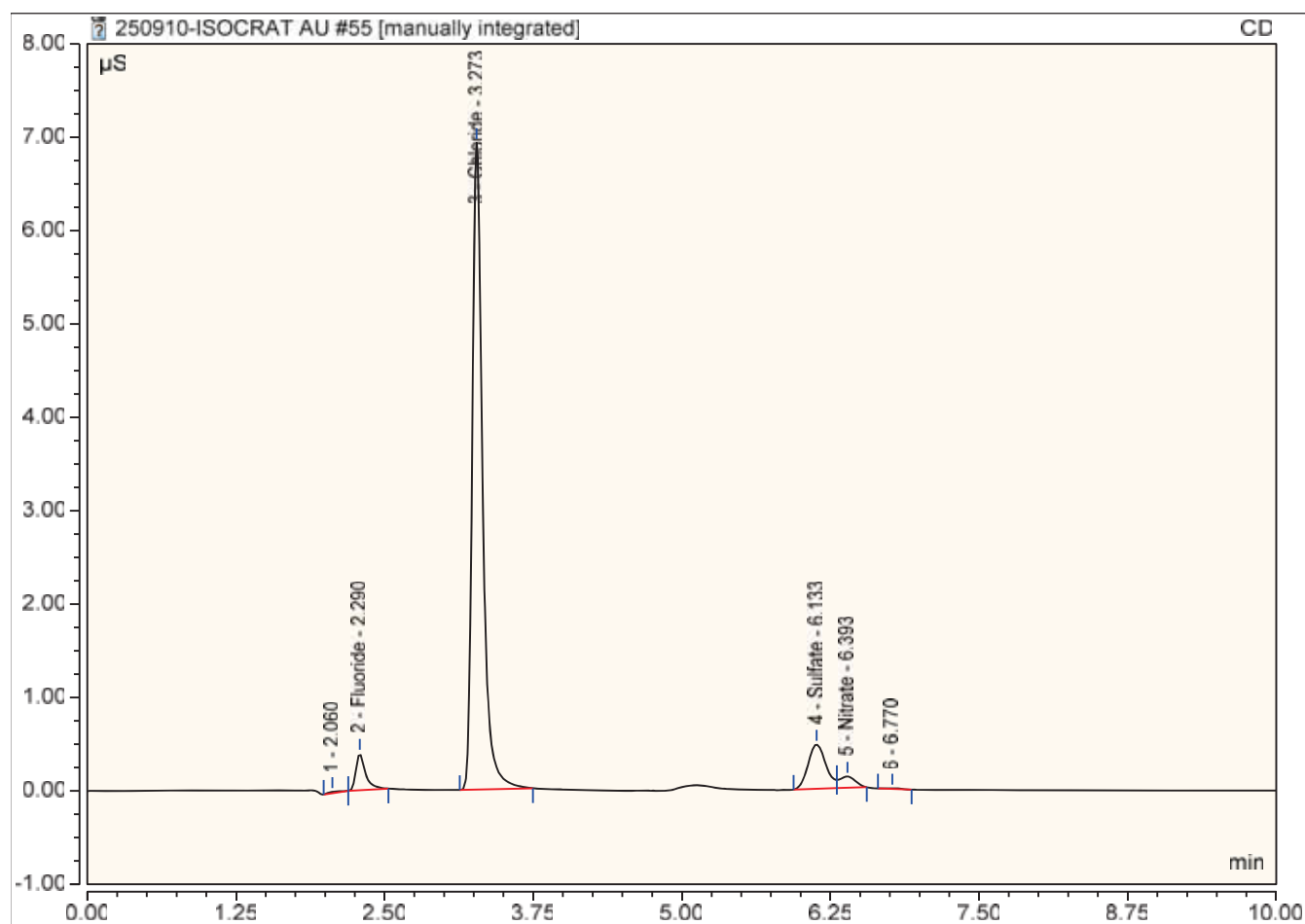
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.485	5.211	0.8049
3	3.27	Chloride	BMB	6.824	66.563	16.1352
4	6.07	Sulfate	BM *	1.262	5.947	4.2802
5	6.43	Nitrate	MB*	0.288	1.612	0.2949
TOTAL:				8.86	79.33	21.52



Peak Integration Report

Sample Name:	XL2556936-01; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 01:23	Run Time:	10.00

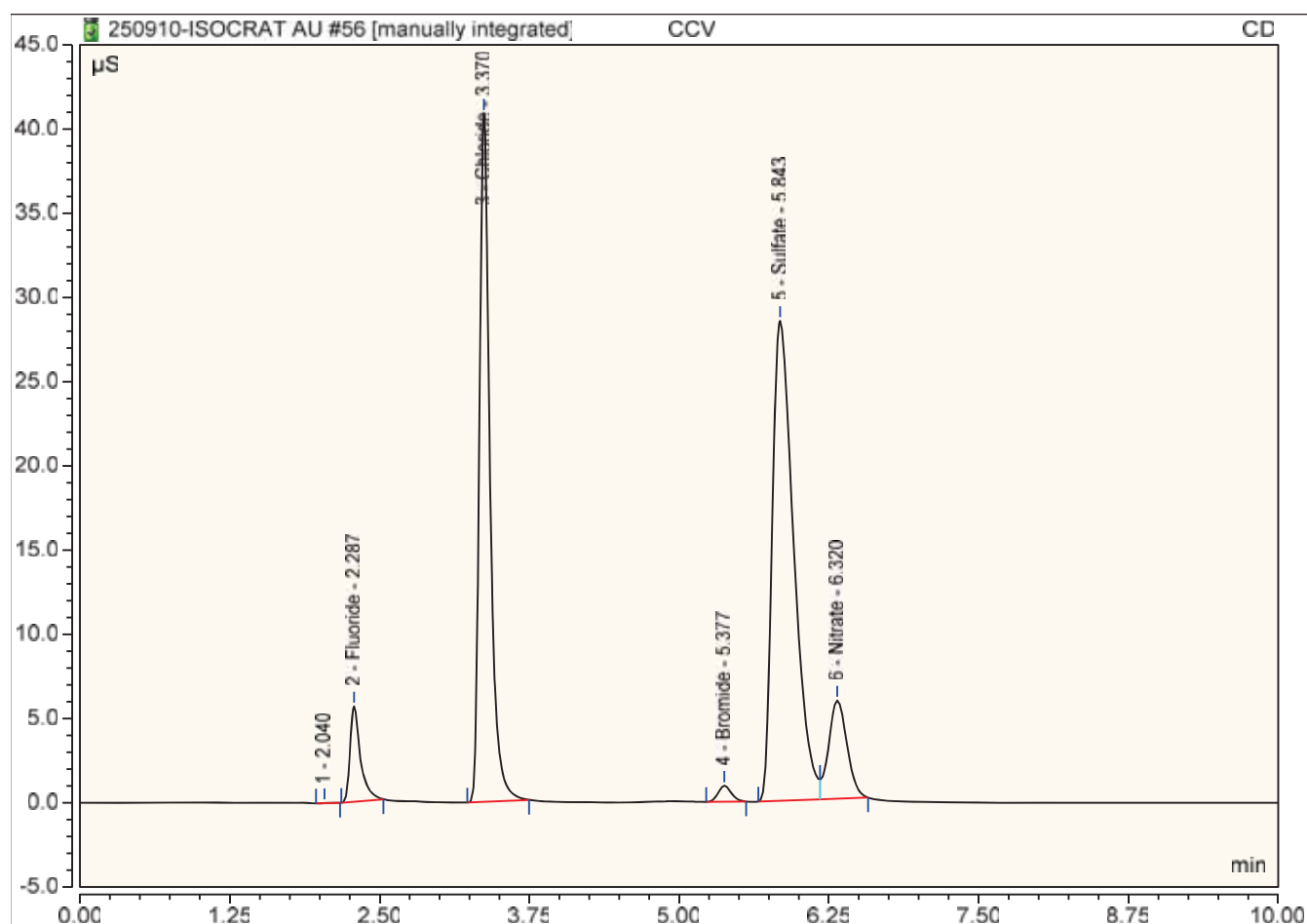
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.037	0.394	0.8252
3	3.27	Chloride	BMB	0.697	6.926	17.1390
4	6.13	Sulfate	BM *	0.082	0.475	5.1466
5	6.39	Nitrate	MB*	0.019	0.122	0.4745
TOTAL:				0.83	7.92	23.59



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 01:35	Run Time:	10.00

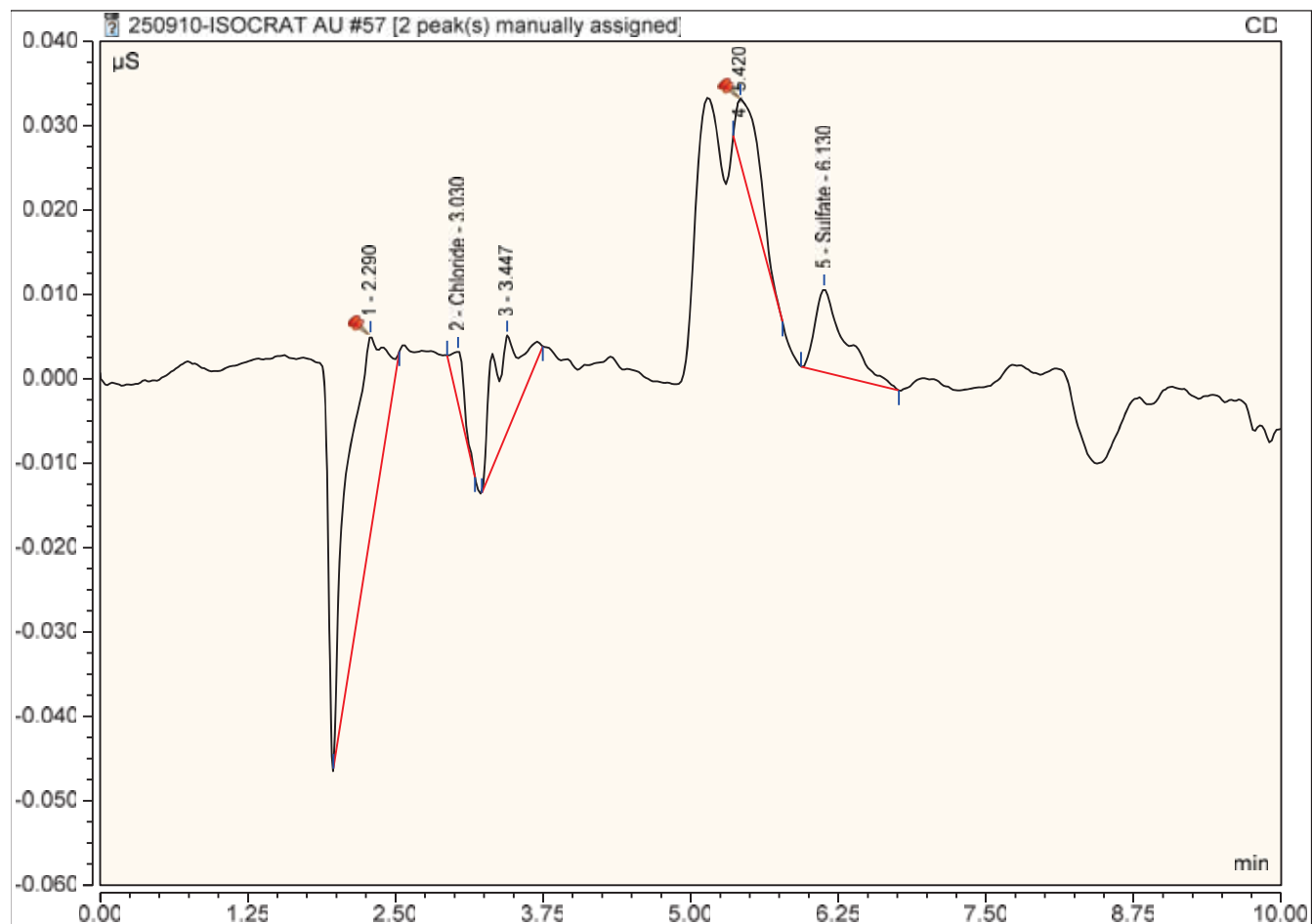
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.29	Fluoride	BMB	0.567	5.664	0.9364
3	3.37	Chloride	BMB	4.163	40.852	9.8728
4	5.38	Bromide	BMB*	0.122	0.948	0.9217
5	5.84	Sulfate	BM *	5.918	28.496	19.1423
6	6.32	Nitrate	MB*	1.036	5.837	0.9820
TOTAL:				11.81	81.80	31.86



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 01:47	Run Time:	10.00

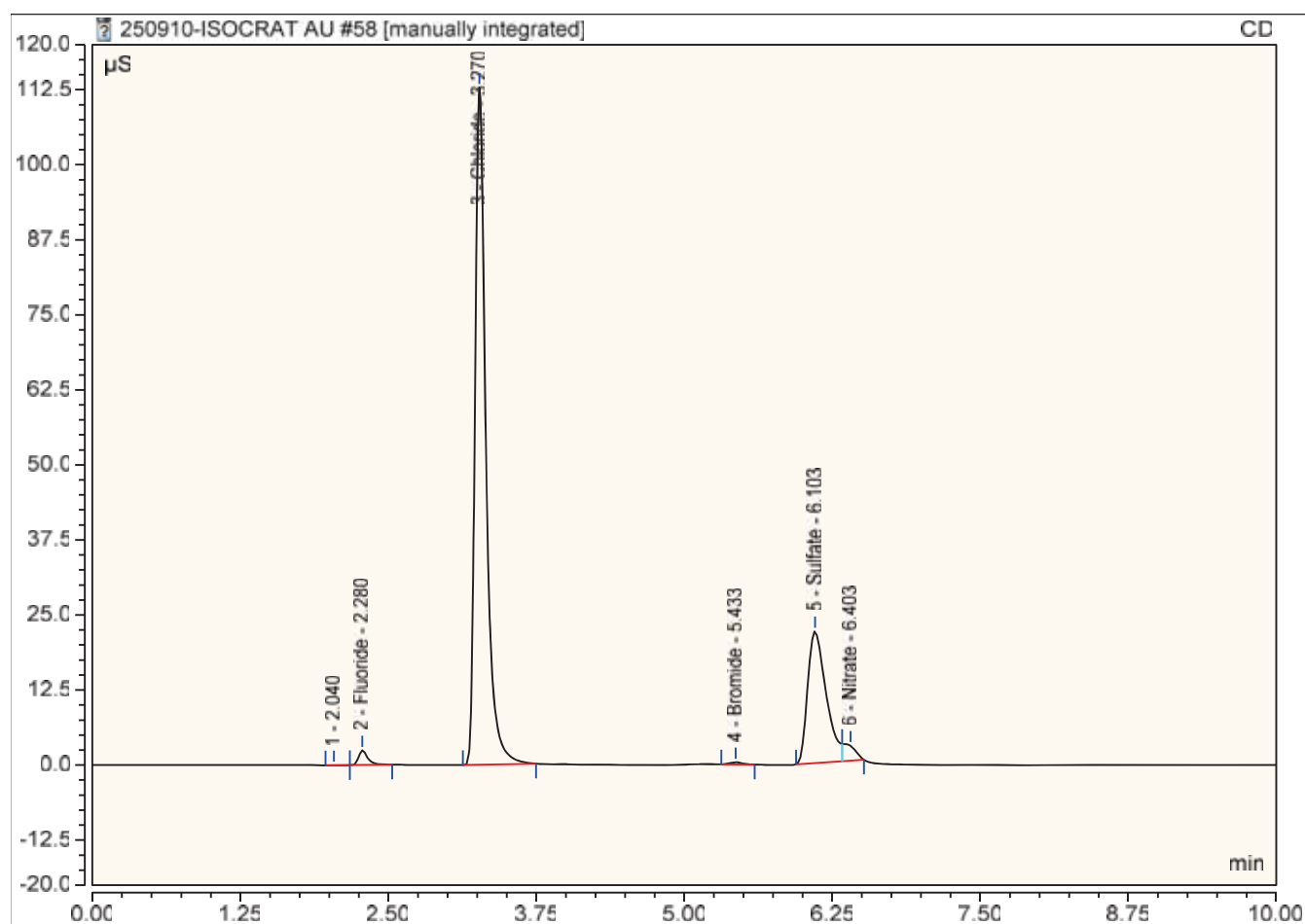
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.03	Chloride	BMB	0.001	0.006	0.0760
5	6.13	Sulfate	BMB	0.003	0.010	0.2614
TOTAL:				0.00	0.02	0.34



Peak Integration Report

Sample Name:	L2555560-01 MS CL; 25X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	25.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 01:59	Run Time:	10.00

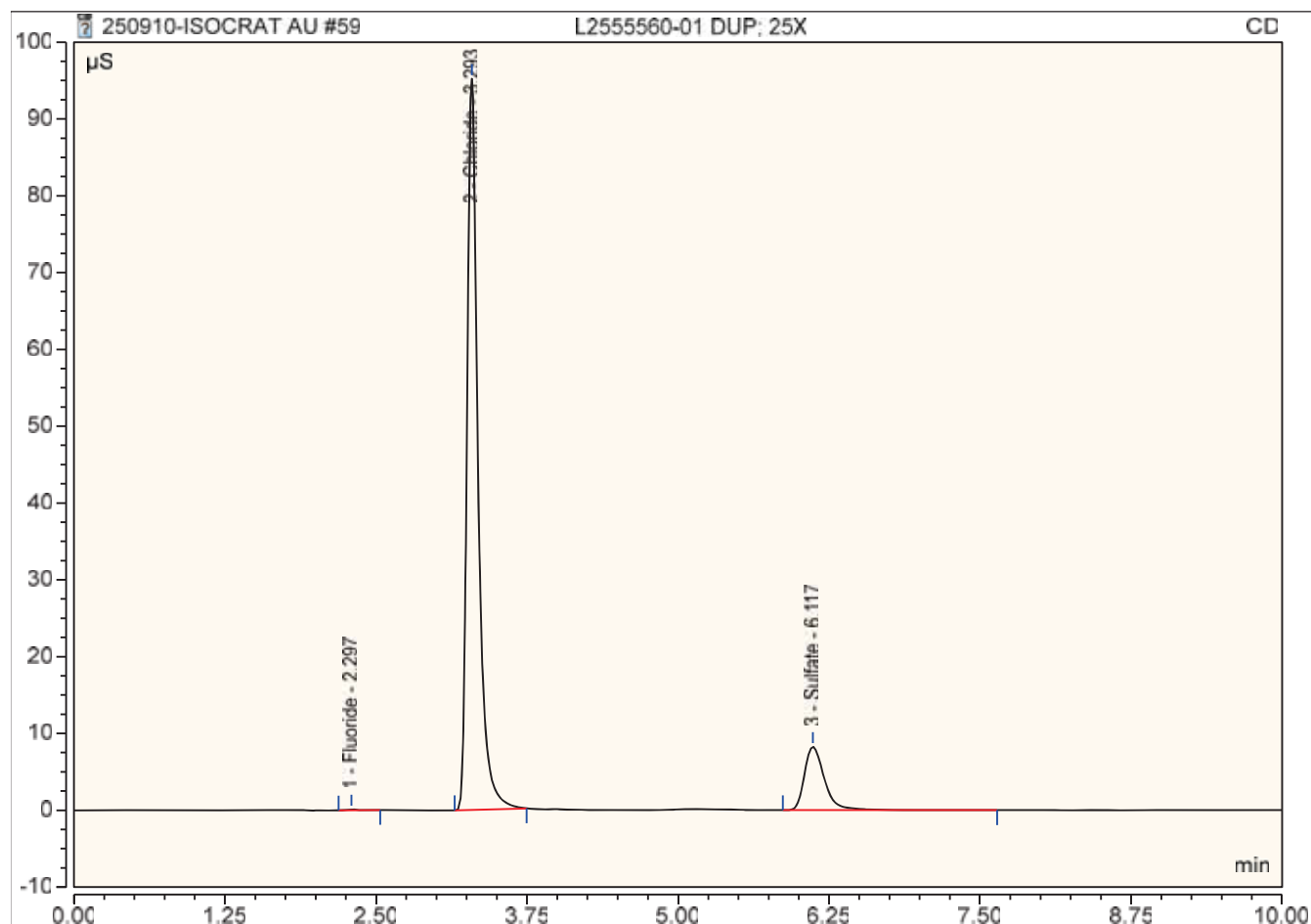
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.222	2.423	9.5346
3	3.27	Chloride	BMB	11.954	112.764	705.1886
4	5.43	Bromide	BMB*	0.044	0.351	8.6112
5	6.10	Sulfate	BM *	3.952	21.929	321.6438
6	6.40	Nitrate	MB*	0.329	2.464	8.2983
TOTAL:				16.50	139.93	1053.28



Peak Integration Report

Sample Name:	L2555560-01 DUP; 25X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	25.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 02:11	Run Time:	10.00

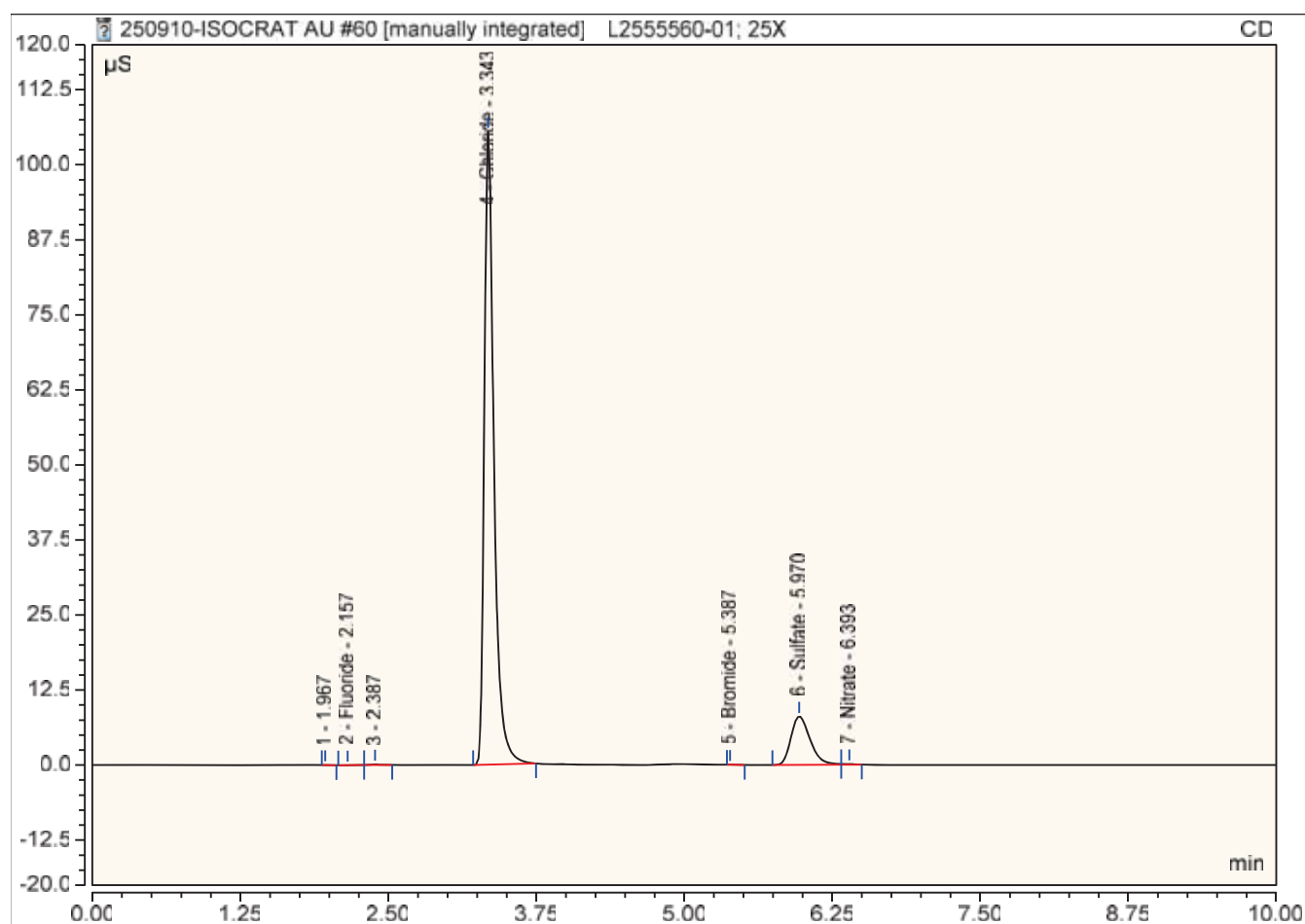
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.30	Fluoride	BMB	0.011	0.112	1.0402
2	3.29	Chloride	BMB	10.027	95.175	591.8148
3	6.12	Sulfate	BMB	1.588	8.248	132.9939
TOTAL:				11.63	103.54	725.85



Peak Integration Report

Sample Name:	L2555560-01; 25X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	25.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 02:23	Run Time:	10.00

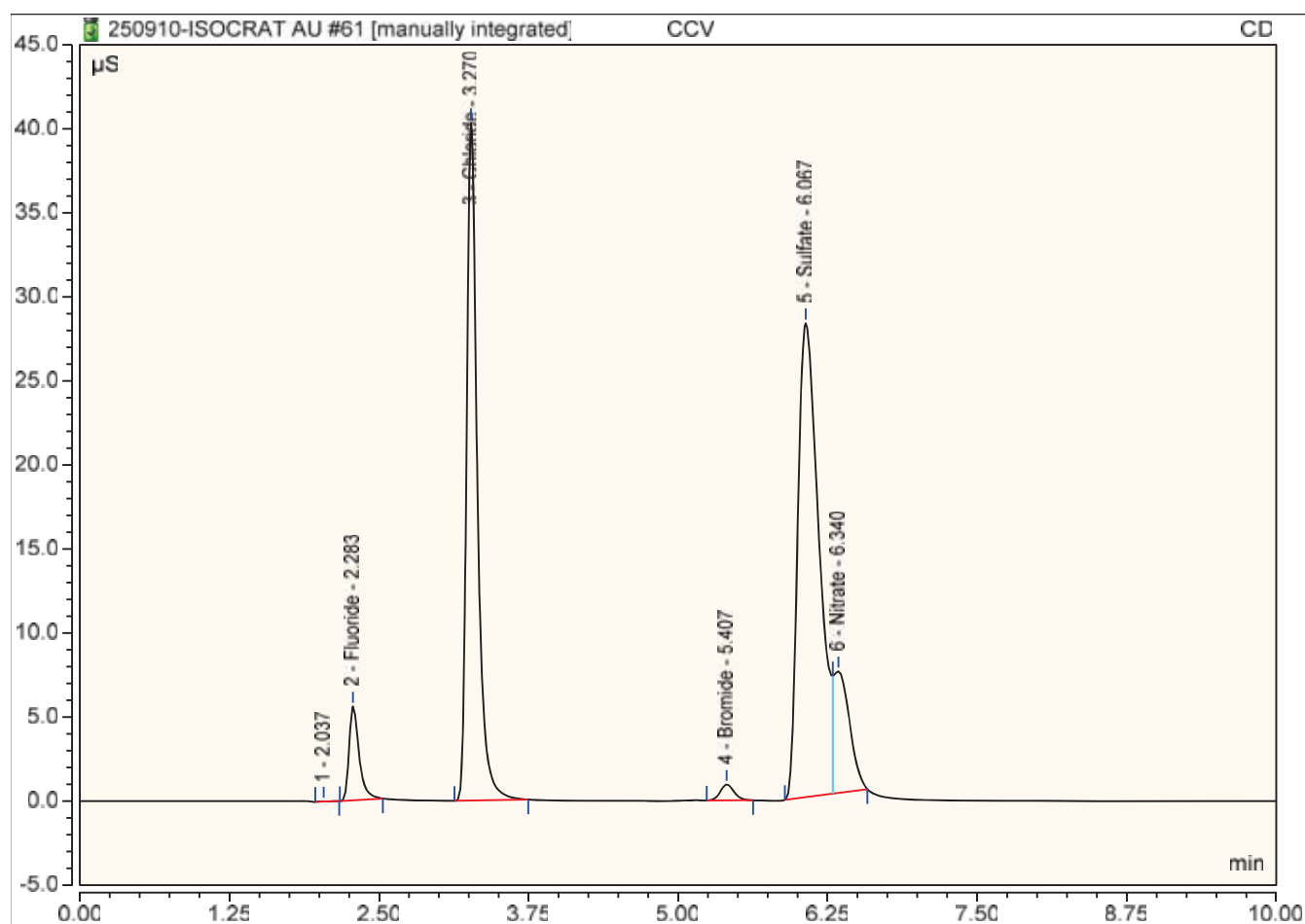
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.16	Fluoride	BMB	0.002	0.016	0.6737
4	3.34	Chloride	BMB	9.972	105.468	588.5949
5	5.39	Bromide	BMB	0.001	0.010	0.7505
6	5.97	Sulfate	BM *	1.507	8.046	126.5690
7	6.39	Nitrate	MB*	0.013	0.098	1.0429
TOTAL:				11.50	113.64	717.63



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 02:35	Run Time:	10.00

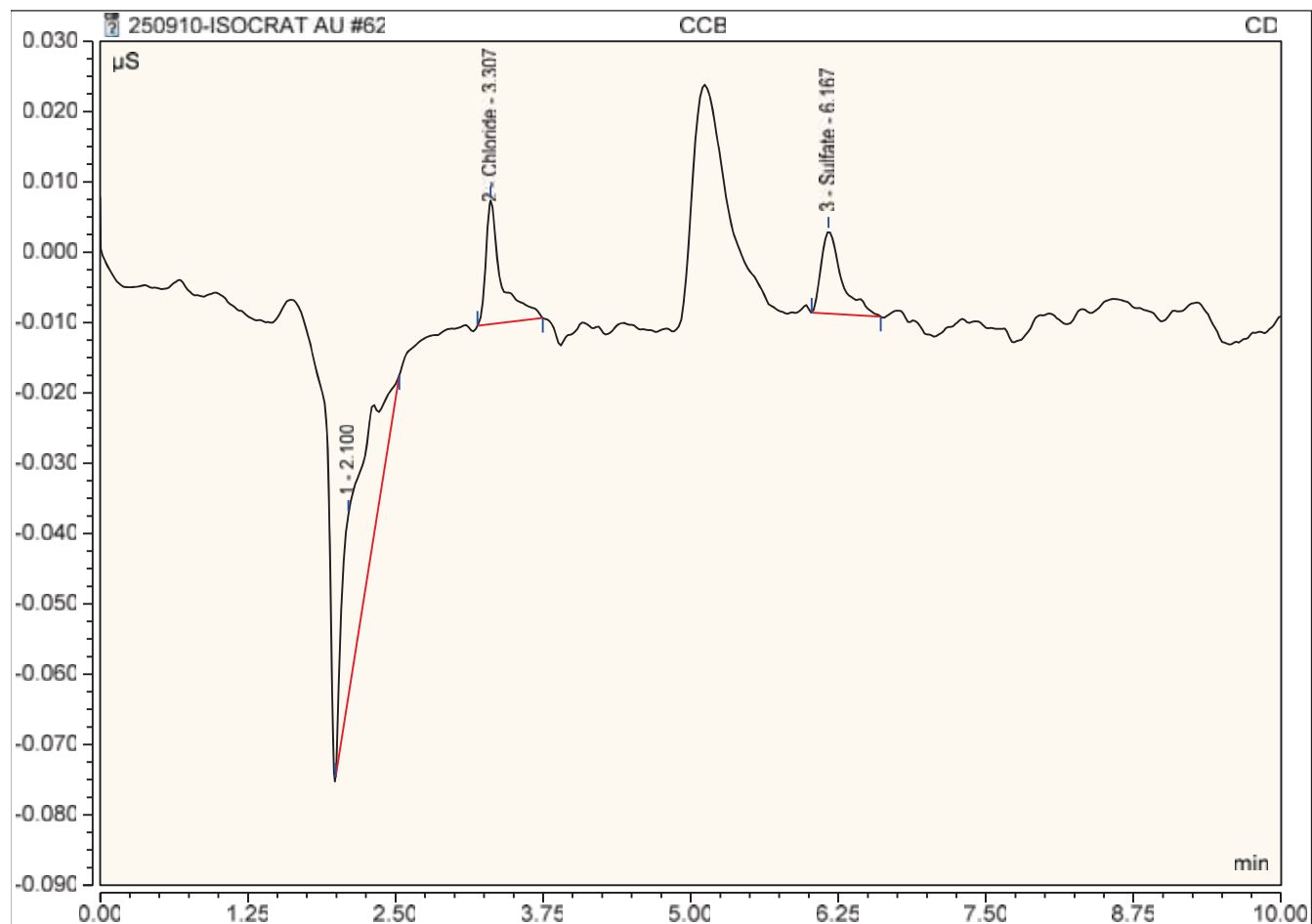
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.28	Fluoride	BMB	0.540	5.582	0.8936
3	3.27	Chloride	BMB	4.173	40.301	9.8956
4	5.41	Bromide	BMB*	0.126	0.939	0.9500
5	6.07	Sulfate	BM *	5.767	28.197	18.6593
6	6.34	Nitrate	MB*	1.122	7.243	1.0609
TOTAL:				11.73	82.26	31.46



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	11-Sep-2025 / 02:47	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.31	Chloride	BMB	0.003	0.018	0.0808
3	6.17	Sulfate	BMB	0.002	0.012	0.2597
TOTAL:				0.01	0.03	0.34



Anion Summary Report

No.	Name	Dilution	Amount CD Fluoride	Amount CD Chloride	Amount CD Nitrate	Amount CD Sulfate	Amount CD Bromide
1	BLANK	1.0	0.0274	0.0814	n.a.	0.2597	n.a.
2	STD 0.5	1.0	0.0407	0.3557	0.0482	0.6728	0.0594
3	STD 1.0	1.0	0.0560	0.5029	0.0681	1.1347	0.0590
4	STD 2.0	1.0	0.1767	1.9498	0.1932	3.9584	0.1848
5	STD 3.0	1.0	0.4950	5.0034	0.4740	10.1044	0.4612
6	STD 4.0	1.0	2.0088	19.8951	1.9817	39.4012	2.0106
7	STD 5.0	1.0	4.9978	50.0431	5.0099	100.2286	5.0625
8	RINSE	1.0	0.0390	0.0818	n.a.	0.3142	n.a.
9	CCV	1.0	0.9442	10.0742	1.0043	19.1575	0.9739
10	CCB	1.0	n.a.	0.0778	n.a.	0.2799	n.a.
11	ICV	1.0	0.7337	8.0909	0.7792	7.4465	0.7885
12	ICB	1.0	0.0253	0.0788	n.a.	0.2606	n.a.
13	BLK	1.0	n.a.	0.0775	n.a.	0.2701	n.a.
14	LCS	1.0	0.7316	8.0934	0.7592	7.4677	0.7550
15	BLK-2	1.0	0.0256	0.0765	n.a.	0.2681	n.a.
16	LCS-2	1.0	0.7281	8.0605	0.7954	7.3992	0.7682
17	L2555910-05; 500X BR	500.0	12.2166	11074.7647	n.a.	7187.9594	140.6713
18	L2555910-03	1.0	n.a.	2.7793	n.a.	0.9332	0.0354
19	L2555226-03; 500X BR	500.0	n.a.	14249.3944	n.a.	6473.1306	227.7713
20	L2555226-01	1.0	n.a.	22.1330	n.a.	4.8261	0.2799
21	CCV	1.0	0.9088	9.9081	1.0099	19.0880	0.9792
22	CCB	1.0	0.0291	0.0782	n.a.	0.2746	n.a.
23	L2554366-01; 500X BR	500.0	n.a.	15713.6280	n.a.	5849.3862	252.1230
24	L2554366-02; 500X	500.0	12.4485	42778.4355	n.a.	15420.8827	777.4468
25	L2554366-03	1.0	n.a.	90.6810	n.a.	13.2479	1.6194
26	XL2554366-03; 10X	10.0	0.2408	106.3396	n.a.	15.3632	1.5243
27	L2554408-01 CL SO4 BR	1.0	0.1480	0.6389	n.a.	20.9570	n.a.
28	L2554408-02 SO4 BR	1.0	0.1504	85.5220	0.1375	3.2990	0.2912
29	L2554408-03 SO4	1.0	0.0797	712.0222	0.3995	28.9233	9.1800
30	XL2555105-01; 5X CL	5.0	0.1567	44.5134	0.7827	7.4608	n.a.
31	L2555105-02; 5X	5.0	0.1551	43.9071	0.7982	7.1777	n.a.
32	L2555105-03; 5X	5.0	0.1499	45.8675	0.8671	7.6430	n.a.
33	CCV	1.0	0.8903	9.9676	0.9669	18.3749	0.9720
34	CCB	1.0	0.0250	0.0818	n.a.	0.2559	n.a.
35	L2553924-01; 10X CL	10.0	0.2547	92.1990	0.7081	133.3330	n.a.
36	L2555053-01; 50X SO4	50.0	1.3038	85.4979	n.a.	708.1260	n.a.
37	L2555459-01 SO4	1.0	0.0255	0.0807	n.a.	0.2595	n.a.
38	L2555938-01 BR	1.0	0.0438	3.9683	7.2088	43.4475	0.0678
39	L2555938-02	1.0	0.0346	29.2583	2.4855	12.9293	0.0259
40	L2555938-03	1.0	0.0337	4.0421	1.2310	5.1543	n.a.
41	L2555938-04	1.0	0.0640	7.4057	n.a.	19.9139	0.0323
42	L2555938-05	1.0	0.0351	45.2624	3.9409	13.2103	0.0274
43	L2555226-01 MS BR	1.0	0.1889	24.5487	0.4321	11.2712	0.6912

44	L2555226-01 DUP	1.0	0.0245	21.9151	0.0404	4.4957	0.3068
45	CCV	1.0	0.9014	9.8762	1.0230	18.9323	0.9425
46	CCB	1.0	0.0253	0.0805	n.a.	0.2605	n.a.
47	L2554408-01 MS CL SO4 BR	1.0	0.4793	5.3907	0.4447	27.5150	0.3892
48	L2554408-01 DUP	1.0	0.1274	0.6070	n.a.	20.5904	n.a.
49	L2554408-02; 5X CL	5.0	0.2262	87.9968	0.2203	3.7878	0.2807
50	L2554408-03; 25X CL BR	25.0	0.6745	760.7946	0.9405	29.8969	6.4650
51	L2555105-01; 5X CL	5.0	0.1491	44.1691	1.0368	8.4137	n.a.
52	L2555938-02 MS BR	1.0	0.3530	31.7555	2.8112	20.2871	0.3374
53	L2555938-02 DUP	1.0	0.0348	28.7746	2.4858	12.5196	0.0259
54	L2556936-01 CL SO4	1.0	0.8049	16.1352	0.2949	4.2802	n.a.
55	XL2556936-01; 10X	10.0	0.8252	17.1390	0.4745	5.1466	n.a.
56	CCV	1.0	0.9364	9.8728	0.9820	19.1423	0.9217
57	CCB	1.0	n.a.	0.0760	n.a.	0.2614	n.a.
58	L2555560-01 MS CL; 25X	25.0	9.5346	705.1886	8.2983	321.6438	8.6112
59	L2555560-01 DUP; 25X	25.0	1.0402	591.8148	n.a.	132.9939	n.a.
60	L2555560-01; 25X	25.0	0.6737	588.5949	1.0429	126.5690	0.7505
61	CCV	1.0	0.8936	9.8956	1.0609	18.6593	0.9500
62	CCB	1.0	n.a.	0.0808	n.a.	0.2597	n.a.
	Sum:	2250.000	58.3169		53.2376	37001.1071	1444.8425
	Average:	36.290	1.1003		1.4389	596.7921	38.0222
	Rel.Std.Dev:	339.107 %	2.4328		1.2962	3.9802	3.5785

Inject Time	Comment
08/Aug/2025 15:05	AU
08/Aug/2025 15:17	LOT#250806-0.5
08/Aug/2025 15:29	LOT#250806-1.0
08/Aug/2025 15:41	LOT#250806-2.0
08/Aug/2025 15:53	LOT#250806-3.0
08/Aug/2025 16:05	LOT#250806-4.0
08/Aug/2025 16:17	LOT#250806-5.0
10/Sep/2025 15:54	VG2113249-52-57-58
10/Sep/2025 16:07	LOT#250910-C
10/Sep/2025 16:19	AU
10/Sep/2025 16:31	LOT#250910-I
10/Sep/2025 16:43	AU
10/Sep/2025 16:55	AU
10/Sep/2025 17:07	LOT#250910-I
10/Sep/2025 17:19	AU
10/Sep/2025 17:31	LOT#250910-I
10/Sep/2025 17:43	AU
10/Sep/2025 17:55	AU
10/Sep/2025 18:08	AU
10/Sep/2025 18:20	AU
10/Sep/2025 18:32	LOT#250910-C
10/Sep/2025 18:44	AU
10/Sep/2025 18:56	AU
10/Sep/2025 19:08	AU
10/Sep/2025 19:20	AU
10/Sep/2025 19:32	AU
10/Sep/2025 19:44	AU
10/Sep/2025 19:56	AU
10/Sep/2025 20:08	AU
10/Sep/2025 20:21	AU
10/Sep/2025 20:33	AU
10/Sep/2025 20:45	AU
10/Sep/2025 20:57	LOT#250910-C
10/Sep/2025 21:09	AU
10/Sep/2025 21:21	AU
10/Sep/2025 21:33	AU
10/Sep/2025 21:45	AU
10/Sep/2025 21:57	AU
10/Sep/2025 22:09	AU
10/Sep/2025 22:21	AU
10/Sep/2025 22:33	AU
10/Sep/2025 22:46	AU
10/Sep/2025 22:58	AU

10/Sep/2025 23:10	AU
10/Sep/2025 23:22	LOT#250910-C
10/Sep/2025 23:34	AU
10/Sep/2025 23:46	AU
10/Sep/2025 23:58	AU
11/Sep/2025 00:10	AU
11/Sep/2025 00:22	AU
11/Sep/2025 00:34	AU
11/Sep/2025 00:46	AU
11/Sep/2025 00:58	AU
11/Sep/2025 01:11	AU
11/Sep/2025 01:23	AU
11/Sep/2025 01:35	LOT#250910-C
11/Sep/2025 01:47	AU
11/Sep/2025 01:59	AU
11/Sep/2025 02:11	AU
11/Sep/2025 02:23	AU
11/Sep/2025 02:35	LOT#250910-C
11/Sep/2025 02:47	AU
	0.000
	#DIV/0!
	#DIV/0!

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : MW-13D
 Lab Sample ID : L2555938-02
 Matrix Spike : WG2113257-3
 Matrix Spike Dup :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 09/11/25 00:46
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Bromide	0.025J	0.4	0.337	84 Q					90-110	20

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2555938
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-13D	Matrix	: WATER
Lab Sample ID	: L2555938-02	Analysis Date	: 09/10/25 22:09
Dup Sample ID	: WG2113257-4	DUP Analysis Date	: 09/11/25 00:58

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Bromide	0.025J	0.025J	NC	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM MATERIALS
 Client Sample ID : NA
 Lab Sample ID : WG2113257-2
 Dup Sample ID :

Lab Number : L2555938
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 09/10/25 17:07
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Bromide	0.800	0.755	94.					90-110	20

Calculations of Anions by Ion Chromatography

Aqueous samples:

The Dionex calculates the area of the peaks produced by the instrument, compares them to the peak area of the calibration standard stored in its memory, and calculates result in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Subcontracted Data



September 12, 2025

Jennifer Byrnes

,

RE: Project: L2555938
Pace Project No.: 70378540

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Pace - West Borough



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L2555938
Pace Project No.: 70378540

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Texas Certification #: T104704582

Florida Certification #: E871198

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L2555938

Pace Project No.: 70378540

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70378540001	MW-13S	Water	09/05/25 09:00	09/09/25 06:00
70378540002	MW-13D	Water	09/05/25 08:55	09/09/25 06:00
70378540003	MW-10S	Water	09/05/25 10:10	09/09/25 06:00
70378540004	MW-10D	Water	09/05/25 10:15	09/09/25 06:00
70378540005	SCDOH-DR	Water	09/05/25 11:30	09/09/25 06:00

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SAMPLE ANALYTE COUNT

Project: L2555938

Pace Project No.: 70378540

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70378540001	MW-13S	SM 4500-S2 F-2011	JWM	1
70378540002	MW-13D	SM 4500-S2 F-2011	JWM	1
70378540003	MW-10S	SM 4500-S2 F-2011	JWM	1
70378540004	MW-10D	SM 4500-S2 F-2011	JWM	1
70378540005	SCDOH-DR	SM 4500-S2 F-2011	JWM	1

PACE-MV = Pace Analytical Services - Melville

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ANALYTICAL RESULTS

Project: L2555938

Pace Project No.: 70378540

Sample: MW-13S		Lab ID: 70378540001		Collected: 09/05/25 09:00		Received: 09/09/25 06:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/12/25 12:28		

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ANALYTICAL RESULTS

Project: L2555938

Pace Project No.: 70378540

Sample: MW-13D		Lab ID: 70378540002		Collected: 09/05/25 08:55		Received: 09/09/25 06:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/12/25 12:31		

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ANALYTICAL RESULTS

Project: L2555938

Pace Project No.: 70378540

Sample: MW-10S		Lab ID: 70378540003		Collected: 09/05/25 10:10		Received: 09/09/25 06:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/12/25 12:34		

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 70378540

Sample: MW-10D		Lab ID: 70378540004		Collected: 09/05/25 10:15		Received: 09/09/25 06:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/12/25 12:37		

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 70378540

Sample: SCDOH-DR		Lab ID: 70378540005		Collected: 09/05/25 11:30		Received: 09/09/25 06:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/12/25 12:40		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L2555938

Pace Project No.: 70378540

QC Batch: 418607

Analysis Method: SM 4500-S2 F-2011

QC Batch Method: SM 4500-S2 F-2011

Analysis Description: 4500S2F W Sulfide Iodometric

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70378540001, 70378540002, 70378540003, 70378540004, 70378540005

METHOD BLANK: 2224896

Matrix: Water

Associated Lab Samples: 70378540001, 70378540002, 70378540003, 70378540004, 70378540005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	0.20	0.20	09/12/25 12:20	

LABORATORY CONTROL SAMPLE & LCSD: 2224897

2224898

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2555938

Pace Project No.: 70378540

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2555938
Pace Project No.: 70378540

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70378540001	MW-13S	SM 4500-S2 F-2011	418607		
70378540002	MW-13D	SM 4500-S2 F-2011	418607		
70378540003	MW-10S	SM 4500-S2 F-2011	418607		
70378540004	MW-10D	SM 4500-S2 F-2011	418607		
70378540005	SCDOH-DR	SM 4500-S2 F-2011	418607		

REPORT OF LABORATORY ANALYSIS

70378540

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2555938

Page 1

Form No: AL_subcoc

WO# : 70378540

PM: BDR Due Date: 09/16/25

CLIENT: ALPHA

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2555938

Page 2

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupahost.com
Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2555938 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555938-04	MW-10D	09-05-25 10:15	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NY SDEC Equis EDO	1AT=	1
	L2555938-05	SCDOH-DR	09-05-25 11:30	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NY SDEC Equis EDO	1AT=	1
			Relinquished By:		Date/Time:	Received By:		Date/Time:
					9/18/25 12:20			9/18 1720
Form No: AL_subcoc								9/18/25 6:00

client:

Work ID: 1255958

Profile #

COC Page _____ of _____

Use Point Number Spreadsheet

Multiday Project

Add SCLOGFD to first sample for field charge

Sender Initials
AEB[illegible][illegible]

	Misc.
SPAT	Polym. Sodium Hy. Thio
IR	Tetracene, nA
WGM	2oz Unpreserved Jar
WGM	4oz Unpreserved Jar
WGM	8oz Unpreserved Jar
WGM	16oz Unpreserved Jar
2oz, G	2oz. Jar
TEEL	Tedlar Bag
BOH1	1L HCL Chlor Glass
ON	General
WP	Wide
LL-HQ	Low Level Hg Builders
BOH1	1L AMOC Chlor Glass

IQC	
BP1U	1L, unpermeated plastic
BP2U*	250ml, 100% plastic
BP3C	250ml, Sodium Hydroxide
AG2U	500ml, ureters amber glass
BP7U	250ml, unpermeated plastic

	SOC
UEBT	46mL Na Thio amber val
DGDA	60mL Acetamide mol sodium Acet val
DGIV	Citric Acid Thiosulfate 40mL
DGRT	Na Thiosulfate 60mL val
DGAM	MonoSodiumNa Thio 60mL
AG3U	250mL, vesper amber 4433
AG3T	Na Thiosulfate 250mL, bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Reagent

Media/ix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	Oil
WIP	Wipe
DW	Distilled Water

• **STRESS** – stress is a response to a stimulus that is perceived as a threat to well-being

Additional Comments

2 rgs of COC

WO#: 70378540

Client Name:

ALPHA

Project #

PM: BDR

Due Date: 09/16/25

CLIENT: ALPHA

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☒ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: Th1 Correction Factor: 6.1 ☒ Samples on ice, cooling process has begun
Cooler Temperature(°C): 2.6 Cooler Temperature Corrected(°C): 2.7 Date/Time 5035A kits placed in freezer _____
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☒ No

Did samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: 7/9/25 CJ

		COMMENTS:
Chain of Custody Present:	☒ Yes ☐ No	1.
Chain of Custody Filled Out:	☒ Yes ☐ No	2.
Chain of Custody Relinquished:	☒ Yes ☐ No	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr):	☒ Yes ☐ No	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☒ Yes ☐ No	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No	
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels match COC:	☒ Yes ☐ No	12.
-Includes date/time/ID/Analysis Matrix:	SL (WT) OIL OTHER	

Date and Initials of person checking preservation: 7/9/25 CJ

All containers needing preservation have been	☒ Yes ☐ No ☐ N/A	13.	☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>210525</u>			Sample #
All containers needing preservation are found to be in compliance with method recommendation?	☒ Yes ☐ No ☐ N/A		
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)			
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water)			
Per Method, VOA pH is checked after analysis			
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.	
Ki starch test strips Lot #			
Residual chlorine strips Lot #			Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf	☐ Yes ☐ No ☒ N/A	15.	Positive for Sulfide? Y N
Lead Acetate Strips Lot #			
Headspace in ALK Bottle (>6mm):	☐ Yes ☐ No ☒ N/A	16.	
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A		
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	17.	
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

Laboratory Report

Report prepared for:

Jennifer Byrnes
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581

Email: jennifer.byrnes@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:

Susan K Hendricks

Purchase Order:**For further assistance, contact:**

Susan K Hendricks
Customer Service Representative
2323 Sycamore Dr
Knoxville, TN 37921
(865) 546-1335
susanhendricks@galbraith.com

Sample: L2555938 MW-13S		Received: 2025-09-09			
Lab ID: 2025-W-5839					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.66 mg	2025-09-16

Sample: L2555938 MW-13D		Received: 2025-09-09			
Lab ID: 2025-W-5840					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.34 mg	2025-09-16

Sample: L2555938 MW-10S		Received: 2025-09-09			
Lab ID: 2025-W-5841					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	204.84 mg	2025-09-16

Sample: L2555938 MW-10D		Received: 2025-09-09			
Lab ID: 2025-W-5842					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.10 mg	2025-09-16

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Reported results are only applicable to the item tested.

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Sample: L2555938 SCDOH-DR		Received: 2025-09-09			
Lab ID: 2025-W-5843					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium	GLI Procedure ME-4D	< 5 ppm	As Received	205.25 mg	2025-09-16

Signatures:

Created By: susan.K.Hendricks
Published By: susan.K.Hendricks

2025-09-18T19:33:35.383-04:00
2025-09-18T19:33:43.04-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.

Laboratory Report

Report prepared for:

Jennifer Byrnes
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581

Email: jennifer.byrnes@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:

Susan K Hendricks

Purchase Order:**For further assistance, contact:**

Susan K Hendricks
Customer Service Representative
2323 Sycamore Dr
Knoxville, TN 37921
(865) 546-1335
susanhendricks@galbraith.com

Sample: L2555938 MW-13S		Received: 2025-09-09			
Lab ID: 2025-W-5839					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.66 mg	2025-09-16

Sample: L2555938 MW-13D		Received: 2025-09-09			
Lab ID: 2025-W-5840					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.34 mg	2025-09-16

Sample: L2555938 MW-10S		Received: 2025-09-09			
Lab ID: 2025-W-5841					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	204.84 mg	2025-09-16

Sample: L2555938 MW-10D		Received: 2025-09-09			
Lab ID: 2025-W-5842					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.10 mg	2025-09-16

Sample: L2555938 SCDOH-DR					
Lab ID: 2025-W-5843		Received: 2025-09-09			
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	205.25 mg	2025-09-16

Signatures:

Created By: susan.K.Hendricks
Published By: susan.K.Hendricks

2025-09-18T19:33:35.383-04:00
2025-09-18T19:33:43.04-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.



September 22, 2025

Jennifer Byrnes
Pace Analytical Westborough
8 Walkup Drive
Westborough, MA 01581

RE: Project: L2555938
Pace Project No.: 50412044

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace Analytical Westborough



REPORT OF LABORATORY ANALYSIS

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Table of Contents

Sections:

-2-

Section 1: Cert Page	3
Section 2: Sample Summary	4
Section 3: Sample Analyte	5
Section 4: Results	6
Section 5: Quality Control	11
Section 6: Qualifiers	12
Section 7: QC Cross Reference	13
Section 8: Chain of Custody	14
8.1: Chain of Custody	14

1

2

3

4

5

6

7

8



CERTIFICATIONS

Project: L2555938
Pace Project No.: 50412044

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Indiana Drinking Water Laboratory #: C-49-06
Kentucky UST Agency Interest #: 80226
Louisiana Certification #: 04076
Oklahoma Laboratory #: 9204
Washington Dept of Ecology #: C1081
USDA Foreign Soil Permit #: 525-23-13-23119

Illinois Accreditation #: 200074
Kansas/TNI Certification #: E-10177
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Texas Certification #: T104704355
Wisconsin Laboratory #: 999788130
USDA Compliance Agreement #: IN-SL-22-001

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SAMPLE SUMMARY

Project: L2555938
Pace Project No.: 50412044

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50412044001	MW-13S	Water	09/05/25 09:00	09/09/25 08:30
50412044002	MW-13D	Water	09/05/25 08:55	09/09/25 08:30
50412044003	MW-10S	Water	09/05/25 10:10	09/09/25 08:30
50412044004	MW-10D	Water	09/05/25 10:15	09/09/25 08:30
50412044005	SCDOH-DR	Water	09/05/25 11:30	09/09/25 08:30

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SAMPLE ANALYTE COUNT

Project: L2555938
Pace Project No.: 50412044



Lab ID	Sample ID	Method	Analysts	Analytes Reported
50412044001	MW-13S	EPA 9056	MTW	1
50412044002	MW-13D	EPA 9056	MTW	1
50412044003	MW-10S	EPA 9056	MTW	1
50412044004	MW-10D	EPA 9056	MTW	1
50412044005	SCDOH-DR	EPA 9056	MTW	1

PASI-I = Pace Analytical Services - Indianapolis

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 50412044

Sample: MW-13S Lab ID: 50412044001 Collected: 09/05/25 09:00 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 10:53		

4

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 50412044

Sample: MW-13D Lab ID: 50412044002 Collected: 09/05/25 08:55 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 11:12		

4

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 50412044

Sample: MW-10S Lab ID: 50412044003 Collected: 09/05/25 10:10 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 11:30		

4

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 50412044

Sample: MW-10D Lab ID: 50412044004 Collected: 09/05/25 10:15 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 11:48		

4

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 50412044

Sample: SCDOH-DR Lab ID: 50412044005 Collected: 09/05/25 11:30 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 12:07		

4

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QUALITY CONTROL DATA

Project: L2555938

Pace Project No.: 50412044

QC Batch 862090

QC Batch Method: EPA 9056

Analysis Method: EPA 9056

Analysis Description: 9056 Iodide by IC

Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50412044001, 50412044002, 50412044003, 50412044004, 50412044005

METHOD BLANK: 3948828

Matrix: Water

Associated Lab Samples: 50412044001, 50412044002, 50412044003, 50412044004, 50412044005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	09/14/25 10:36	

LABORATORY CONTROL SAMPLE: 3948829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3948830

3948831

Parameter	Units	50412043002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Iodide	mg/L	ND	5	5	5.0	5.0	99	99	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2555938
Pace Project No.: 50412044

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2555938
Pace Project No.: 50412044

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50412044001	MW-13S	EPA 9056	862090		
50412044002	MW-13D	EPA 9056	862090		
50412044003	MW-10S	EPA 9056	862090		
50412044004	MW-10D	EPA 9056	862090		
50412044005	SCDOH-DR	EPA 9056	862090		



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Date: 09/22/2025 10:34 AM

WO#: 50412044



Pace Job Number
L2555938

Page 1

Subcontract Chain of Custody

Pace Analytical (Indianapolis, IN)
7726 Moller Road
Indianapolis, IN 46268



Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupahost.com
Phone: 716.427.5228
Email: Jennifer.Bynes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Bynes
Turnaround & Deliverables Information
Due Date:
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:
Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2555938 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555938-01	MW-138	09-05-25 09:00	WATER	Iodide EPA 9056	Profile # 11706; needs L4 and EDD 265 NY EQUIS		1
	L2555938-02	MW-13D	09-05-25 08:55	WATER	Iodide EPA 9056	Profile # 11706; needs L4 and EDD 265 NY EQUIS		1
	L2555938-03	MW-10S	09-05-25 10:10	WATER	Iodide EPA 9056	Profile # 11706; needs L4 and EDD 265 NY EQUIS		1
	L2555938-04	MW-10D	09-05-25 10:15	WATER	Iodide EPA 9056	Profile # 11706; needs L4 and EDD 265 NY EQUIS		1
	L2555938-05	SCDOH-DR	09-05-25 11:30	WATER	Iodide EPA 9056	Profile # 11706; needs L4 and EDD 265 NY EQUIS		1
Relinquished By:			Date/Time:		Received By:		Date/Time:	
			9/6/05		Felix		9.9 / 830	
Felix			9.9 / 830		PACE		9.9 / 830	
Form No: AL_subcoc								



SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents:

CW 9/9 1426

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I

Cooler temp should be above freezing to 6°C

2A. Cooler Temperature(s): 0.3/0.3

(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

2B. Was the PM notified of out-of-temp cooler?: (leave blank if samples are in temp) Yes No

3. Packing Material: Bubble Bags Bubble Wrap None Other:

4. Ice Type: Wet Blue None

5. Courier: FedEx UPS Client Pace NOW Jett Other

6. Custody Seal on Cooler/Box Present: Yes No

(If yes)Seals Intact: Yes No Leave blank if no seals were present

All discrepancies will be written out in the comments section below.

	Yes	No	N/A
7. USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X	
8. Short Hold Time Analysis (48 hours or less)?:		X	
9. Time 5035A TC placed in Freezer or Short Holds To Lab:	Time:		
10. Rush TAT Requested (4 days or less):		X	
11. Custody Signatures Present?	X		
12. Containers intact?	X		
13. Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X		
14. All containers needing acid/base preservation have been pH CHECKED? Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form		X	
15. Residual Chlorine Present (SVOC 625 Pest/PCB 608)			X
16. Residual Chlorine Present (Total/Amenable/Free Cyanide)			X
17. Headspace in VOA Vials (>6mm): See Containter Count form for details			X
18. Trip Blank Present?			X
19. Trip Blank Custody Seals?:			X
20. Extra labels on Terracore Vials? (soils only)			X

Comments:

Page 3411 of 3595

Container Codon

Plastic

NT20	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO ₃ plastic
BP4B	125mL H ₂ SO ₄ plastic
Miscellaneous	
Syringe Kit	LL Crt+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SPST	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
Wp	Wipe



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 70378540

Table Of Contents



Project Overview

Final Report with COC/SCUR	1
Certifications	2
Sample Summary	3
Sample Analyte Count	4
Project Narrative	5
Analytical Results	6
Quality Control Data	11
Qualifiers	12
Quality Control Data Cross Reference Table	13
Chain of Custody	14

InOrganic

Wet Chemistry

Analytical Results (Form 1-IN)	18
Blanks (Form 3-IN)	23
Duplicates (Form 6-IN)	24
Laboratory Control Spike (Form 7-IN)	25
Preparation Log (Form 12-IN)	27
Analysis Run Log (Form 13-IN)	28
Preparation Logs Raw Data	29



October 15, 2025

Jennifer Byrnes

,

RE: Project: L2555938
Pace Project No.: 70378540

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

REVISION 1: Report re-issued on October 15, 2025 to include case narrative

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Pace - West Borough



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L2555938

Pace Project No.: 70378540

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Texas Certification #: T104704582

Florida Certification #: E871198

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SAMPLE SUMMARY

Project: L2555938

Pace Project No.: 70378540

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70378540001	MW-13S	Water	09/05/25 09:00	09/09/25 06:00
70378540002	MW-13D	Water	09/05/25 08:55	09/09/25 06:00
70378540003	MW-10S	Water	09/05/25 10:10	09/09/25 06:00
70378540004	MW-10D	Water	09/05/25 10:15	09/09/25 06:00
70378540005	SCDOH-DR	Water	09/05/25 11:30	09/09/25 06:00

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SAMPLE ANALYTE COUNT

Project: L2555938

Pace Project No.: 70378540

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70378540001	MW-13S	SM 4500-S2 F-2011	JWM	1
70378540002	MW-13D	SM 4500-S2 F-2011	JWM	1
70378540003	MW-10S	SM 4500-S2 F-2011	JWM	1
70378540004	MW-10D	SM 4500-S2 F-2011	JWM	1
70378540005	SCDOH-DR	SM 4500-S2 F-2011	JWM	1

PACE-MV = Pace Analytical Services - Melville

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PROJECT NARRATIVE

Project: L2555938
Pace Project No.: 70378540

Method: SM 4500-S2 F-2011
Description: 4500S2F W Sulfide Iodometric
Client: Pace Westborough
Date: October 15, 2025

General Information:

5 samples were analyzed for SM 4500-S2 F-2011 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 70378540

Sample: MW-13S		Lab ID: 70378540001		Collected: 09/05/25 09:00		Received: 09/09/25 06:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/12/25 12:28		

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: L2555938

Pace Project No.: 70378540

Sample: MW-13D		Lab ID: 70378540002		Collected: 09/05/25 08:55		Received: 09/09/25 06:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/12/25 12:31		

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 70378540

Sample: MW-10S		Lab ID: 70378540003		Collected: 09/05/25 10:10		Received: 09/09/25 06:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/12/25 12:34		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 70378540

Sample: MW-10D		Lab ID: 70378540004		Collected: 09/05/25 10:15		Received: 09/09/25 06:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/12/25 12:37		

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ANALYTICAL RESULTS

Project: L2555938

Pace Project No.: 70378540

Sample: SCDOH-DR		Lab ID: 70378540005		Collected: 09/05/25 11:30		Received: 09/09/25 06:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	0.20	0.20	1		09/12/25 12:40		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L2555938

Pace Project No.: 70378540

QC Batch: 418607

Analysis Method: SM 4500-S2 F-2011

QC Batch Method: SM 4500-S2 F-2011

Analysis Description: 4500S2F W Sulfide Iodometric

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70378540001, 70378540002, 70378540003, 70378540004, 70378540005

METHOD BLANK: 2224896

Matrix: Water

Associated Lab Samples: 70378540001, 70378540002, 70378540003, 70378540004, 70378540005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	0.20	0.20	09/12/25 12:20	

LABORATORY CONTROL SAMPLE & LCSD: 2224897

2224898

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2555938

Pace Project No.: 70378540

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2555938
Pace Project No.: 70378540

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70378540001	MW-13S	SM 4500-S2 F-2011	418607		
70378540002	MW-13D	SM 4500-S2 F-2011	418607		
70378540003	MW-10S	SM 4500-S2 F-2011	418607		
70378540004	MW-10D	SM 4500-S2 F-2011	418607		
70378540005	SCDOH-DR	SM 4500-S2 F-2011	418607		

REPORT OF LABORATORY ANALYSIS

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WO# : 70378540



70378540

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2555938

Page 1

Client Information				Project Information		Regulatory Requirements/Report Limits		
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupanhost.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com				Project Location: NY Project Manager: Jennifer Byrnes Turnaround & Deliverables Information Due Date: Deliverables: ASP Category B Deliverables (Level 4)		State/Federal Program: Regulatory Criteria: Report to MDL		
Project Specific Requirements and/or Report Requirements Reference following Pace Job Number on final report/deliverables: L2555938 Report to include Method and/or Regulatory required batch QC								
Additional Comments:								
Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555938-01	MW-13S	09-05-25 09:00	WATER	Sulfide	REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller, needs NYSDEC Equis EDD		1
	L2555938-02	MW-13D	09-05-25 08:55	WATER	Sulfide	REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller, needs NYSDEC Equis EDD		1
	L2555938-03	MW-10S	09-05-25 10:10	WATER	Sulfide	REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller, needs NYSDEC Equis EDD		1
					Relinquished By: <i>[Signature]</i> 9/8/25 17:30 9/8		Received By: <i>[Signature]</i> 9/8 1720	
					<i>[Signature]</i> 115 9928 km		<i>[Signature]</i> 9/8/25 600	
Form No: AL_subcoc								

WO# : 70378540

PM: BDR Due Date: 09/16/25

CLIENT: ALPHA

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2555938

Page 2

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupahost.com
Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2555938 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555938-04	MW-10D	09-05-25 10:15	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NYSEDEC Equis EDO	1AT=	1
	L2555938-05	SCDOH-DR	09-05-25 11:30	WATER	Sulfide	REPORT TO MDL, ASP B Package 1-2 Days after final report per Mike Miller, needs NYSEDEC Equis EDO	1AT=	1
			Relinquished By:		Date/Time:	Received By:	Date/Time:	
					9/18/25 12:20		9/18	1720
Form No: AL_subcoc							9/18/25	600

Client: ALHA Profile #: 5378 ☐ Use Point Number Spreadsheet ☐ Holiday Project

Work ID: 12555938 ☐ Add SCLOGID to first sample for field charge

[illegible]

Consumer Credit

[illegible]

	Misc.
SAPY	120ml, Calcium Hyg Two
JR	Infrared KA
WGUU	New Unpreserved Jar
WGFW	4oz Unpreserved Jar
WGFW	4oz Unpreserved Jar
WGUU	New Unpreserved Jar
WGUU	New Unpreserved Jar
40% LE	Zinc Oxide Bag
20%	Trojan Bag
91H	1L HCL Clear Glass
GM	General
WSP	Wood
LH-HQ	Low Level Hg Boilies
GM	1L HQ3 Clear Glass

	IOC
nptv	TL unpreserved plastic
nppm*	250ml, HNO ₃ plastic
npgc	250ml, Sodium Hydroxide
AGPU	500ml, unpres amber glass
RPU	250ml, unpreserved plastic

between 4 and 1000 nm.

SOC	
VGRT	40mL, Na Thiosulfate 50mL, val
DGBA	50mL, Amphotericin sodium Acet. val
DGBY	Carbamazepine Thiosulfate 40mL
DGBY	Na Thiosulfate 50mL, val
DGBM	MonoChloroNa Thio 60mL
AGJU	250mL, ungeres amber glass
AGJT	Na Thiosulfate 250mL, bottle
BP18	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L, Amber
AG1A	500.5g Chemical Block

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	Oil
WP	Wipe
DW	Drinking Water

Sender Initials

AGB

Additional Comments

2 pgs of COC

WO#: 70378540

Client Name:

ALPHA

Project #

PM: BDR

Due Date: 09/16/25

CLIENT: ALPHA

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☒ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: Th1 Correction Factor: 0.1 Samples on ice, cooling process has begun
Cooler Temperature(°C): 2.6 Cooler Temperature Corrected(°C): 2.7 Date/Time 5035A kits placed in freezer _____

Tamp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☒ No

Did samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: 7/9/25 CJ

		COMMENTS:
Chain of Custody Present:	☒ Yes ☐ No	1.
Chain of Custody Filled Out:	☒ Yes ☐ No	2.
Chain of Custody Relinquished:	☒ Yes ☐ No	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr):	☒ Yes ☐ No	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☒ Yes ☐ No	8.
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No	
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels match COC:	☒ Yes ☐ No	12.
-Includes date/time/ID/Analysis Matrix:	SL (WT) OIL OTHER	

Date and Initials of person checking preservation: 7/9/25 CJ

All containers needing preservation have been	☒ Yes ☐ No ☐ N/A	13.	☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>210525</u>			Sample #
All containers needing preservation are found to be in compliance with method recommendation?	☒ Yes ☐ No ☐ N/A		
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)			
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water)			
Per Method, VOA pH is checked after analysis			
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.	
Ki starch test strips Lot #			
Residual chlorine strips Lot #			Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf	☐ Yes ☐ No ☒ N/A	15.	Positive for Sulfide? Y N
Lead Acetate Strips Lot #			
Headspace in ALK Bottle (>6mm):	☐ Yes ☐ No ☒ N/A	16.	
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A		
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	17.	
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-13S

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract: L2555938
Lab Sample ID: 70378540001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/12/2025 12:28

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-13D

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract: L2555938
Lab Sample ID: 70378540002 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/12/2025 12:31

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10S

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract: L2555938
Lab Sample ID: 70378540003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/12/2025 12:34

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10D

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract: L2555938
Lab Sample ID: 70378540004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/12/2025 12:37

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SCDOH-DR

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract: L2555938
Lab Sample ID: 70378540005 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	09/12/2025 12:40

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract : L2555938

Method Blank Matrix: Water Instrument ID: 70WET0

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C		
									2224896	C
Sulfide									<0.20	U

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

2224898LCSD

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract: L2555938

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Sulfide	20	14.0	14.0	0

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

2224897LCS

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract: L2555938

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Sulfide	mg/L	14.0	14.0	100	85	115

FORM VII INORGANIC-2
LABORATORY CONTROL SAMPLE

SAMPLE NO.

2224898LCSD

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract: L2555938

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Sulfide	mg/L	14.0	14.0	100	85	115

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract: L2555938

Preparation Method: SM 4500-S2 F-2011 Batch: WET 94573

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
2224896	2224896BLANK	09/12/2025	200	200
2224897	2224897LCS	09/12/2025	200	200
2224898	2224898LCSD	09/12/2025	200	200
70378540001	MW-13S	09/12/2025	1000	1000
70378540002	MW-13D	09/12/2025	1000	1000
70378540003	MW-10S	09/12/2025	1000	1000
70378540004	MW-10D	09/12/2025	1000	1000
70378540005	SCDOH-DR	09/12/2025	1000	1000

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - New York SDG No. : 70378540 Contract: L2555938

Instrument ID: 70WETO Analysis Method: SM 4500-S2 F-2011

Start Date: 09/12/2025 12:20 End Date: 09/12/2025 12:40

Sample Name	Lab Sample ID	D/F	Date	Time	sulf
2224896BLANK	2224896	1	09/12/2025	12:20	X
2224897LCS	2224897	1	09/12/2025	12:21	X
2224898LCSD	2224898	1	09/12/2025	12:22	X
MW-13S	70378540001	1	09/12/2025	12:28	X
MW-13D	70378540002	1	09/12/2025	12:31	X
MW-10S	70378540003	1	09/12/2025	12:34	X
MW-10D	70378540004	1	09/12/2025	12:37	X
SCDOH-DR	70378540005	1	09/12/2025	12:40	X

Pace Prep Log Report

Batch Information: WET_SULFIDE_94573_9/12/25

4500S2F | Sulfide

Analysis Method	SM 4500-S2 F-2011
Starch Indicator Solution	216727

Instrument	70WETO
Reviewed By	SDO

Analyzed By	JWM
Reviewed By Date	09/12/2025 12:57

1:1 HCl	215903
Batch Notes	

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Initial Volume (mL)	Iodine 0.025N (mL)	Thio Start (mL)	Thio End (mL)	Sodium Thiosulfate 0.025N (mL)	Sulfide	Units	Run Date/Time	Filtered	Glass Fiber Filters ()	Sample Notes
4500S2F W	BLANK	2224896	Y	200	217994 (5)	6.4	11.4	215884 (5.00)	0.00	mg/L	09/12/2025 12:20:49	Yes	221742 ()	
4500S2F W	LCS	2224897	Y	200	217994 (10)	11.4	14.4	215884 (3.00)	14.00	mg/L	09/12/2025 12:21:52	Yes	221742 ()	
4500S2F W	LCSD	2224898	Y	200	217994 (10)	14.4	17.4	215884 (3.00)	14.00	mg/L	09/12/2025 12:22:54	Yes	221742 ()	
4500S2F W	PS	70377963001	Y	1000	217994 (5)	17.4	22	215884 (4.60)	0.16	mg/L	09/12/2025 12:25:56	Yes	221742 ()	
4500S2F W	PS	70378540001	Y	1000	217994 (5)	22	27	215884 (5.00)	0.00	mg/L	09/12/2025 12:28:58	Yes	221742 ()	
4500S2F W	PS	70378540002	Y	1000	217994 (5)	27	32	215884 (5.00)	0.00	mg/L	09/12/2025 12:31:01	Yes	221742 ()	
4500S2F W	PS	70378540003	Y	1000	217994 (5)	32	37	215884 (5.00)	0.00	mg/L	09/12/2025 12:34:07	Yes	221742 ()	
4500S2F W	PS	70378540004	Y	1000	217994 (5)	37	41.9	215884 (4.90)	0.04	mg/L	09/12/2025 12:37:18	Yes	221742 ()	
4500S2F W	PS	70378540005	Y	1000	217994 (5)	41.9	46.9	215884 (5.00)	0.00	mg/L	09/12/2025 12:40:35	Yes	221742 ()	

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	BLANK	2224896	
4500S2F W	LCS	2224897	215909 (1)
4500S2F W	LCSD	2224898	215909 (1)
4500S2F W	PS	70377963001	
4500S2F W	PS	70378540001	
4500S2F W	PS	70378540002	



Prep Log Report

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	PS	70378540003	
4500S2F W	PS	70378540004	
4500S2F W	PS	70378540005	

Standard Notes:

215909: Wet Sulfide LCS/ Second Source



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 50412044

Table Of Contents



Project Overview

Final Report with COC/SCUR	1
Cover Page	1
Table of Contents	2
Section 1: Cert Page	3
Section 2: Sample Summary	4
Section 3: Sample Analyte	5
Section 4: Results	6
Section 5: Quality Control	11
Section 6: Qualifiers	12
Section 7: QC Cross Reference	13
Section 8: Chain of Custody	14

InOrganic

Ion Chromatography

Analytical Results (Form 1-IN)	17
Initial & Continuing Calibration Verification (Form 2A-IN)	22
Blanks (Form 3-IN)	24
Matrix Spike Recovery (Form 5A-IN)	26
Duplicates (Form 6-IN)	28
Laboratory Control Spike (Form 7-IN)	29
Preparation Log (Form 12-IN)	30
Analysis Run Log (Form 13-IN)	31
Ion Chromatography Raw Data (Multiple Schedules/Sample)	32



September 22, 2025

Jennifer Byrnes
Pace Analytical Westborough
8 Walkup Drive
Westborough, MA 01581

RE: Project: L2555938
Pace Project No.: 50412044

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace Analytical Westborough



REPORT OF LABORATORY ANALYSIS

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Table of Contents

Sections:

Section 1: Cert Page	3
Section 2: Sample Summary	4
Section 3: Sample Analyte	5
Section 4: Results	6
Section 5: Quality Control	11
Section 6: Qualifiers	12
Section 7: QC Cross Reference	13
Section 8: Chain of Custody	14
8.1: Chain of Custody	14

1

2

3

4

5

6

7

8



CERTIFICATIONS

Project: L2555938
Pace Project No.: 50412044

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Indiana Drinking Water Laboratory #: C-49-06
Kentucky UST Agency Interest #: 80226
Louisiana Certification #: 04076
Oklahoma Laboratory #: 9204
Washington Dept of Ecology #: C1081
USDA Foreign Soil Permit #: 525-23-13-23119

Illinois Accreditation #: 200074
Kansas/TNI Certification #: E-10177
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Texas Certification #: T104704355
Wisconsin Laboratory #: 999788130
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L2555938
Pace Project No.: 50412044

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50412044001	MW-13S	Water	09/05/25 09:00	09/09/25 08:30
50412044002	MW-13D	Water	09/05/25 08:55	09/09/25 08:30
50412044003	MW-10S	Water	09/05/25 10:10	09/09/25 08:30
50412044004	MW-10D	Water	09/05/25 10:15	09/09/25 08:30
50412044005	SCDOH-DR	Water	09/05/25 11:30	09/09/25 08:30

REPORT OF LABORATORY ANALYSIS

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Date: 09/22/2025 10:34 AM



SAMPLE ANALYTE COUNT

Project: L2555938
Pace Project No.: 50412044

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50412044001	MW-13S	EPA 9056	MTW	1
50412044002	MW-13D	EPA 9056	MTW	1
50412044003	MW-10S	EPA 9056	MTW	1
50412044004	MW-10D	EPA 9056	MTW	1
50412044005	SCDOH-DR	EPA 9056	MTW	1

PASI-I = Pace Analytical Services - Indianapolis

REPORT OF LABORATORY ANALYSIS

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Date: 09/22/2025 10:34 AM



ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 50412044

Sample: MW-13S Lab ID: 50412044001 Collected: 09/05/25 09:00 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 10:53		

4

REPORT OF LABORATORY ANALYSIS

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Date: 09/22/2025 10:34 AM



ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 50412044

Sample: MW-13D Lab ID: 50412044002 Collected: 09/05/25 08:55 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 11:12		

4

REPORT OF LABORATORY ANALYSIS

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Date: 09/22/2025 10:34 AM



ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 50412044

Sample: MW-10S Lab ID: 50412044003 Collected: 09/05/25 10:10 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 11:30		

4

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 50412044

Sample: MW-10D Lab ID: 50412044004 Collected: 09/05/25 10:15 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 11:48		

4

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ANALYTICAL RESULTS

Project: L2555938
Pace Project No.: 50412044

Sample: SCDOH-DR Lab ID: 50412044005 Collected: 09/05/25 11:30 Received: 09/09/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		09/19/25 12:07		

4

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QUALITY CONTROL DATA

Project:	L2555938	Analysis Method:	EPA 9056
Pace Project No.:	50412044	Analysis Description:	9056 Iodide by IC
QC Batch	862090	Laboratory:	Pace Analytical Services - Indianapolis
QC Batch Method:	EPA 9056		
Associated Lab Samples: 50412044001, 50412044002, 50412044003, 50412044004, 50412044005			
METHOD BLANK:	3948828	Matrix:	Water
Associated Lab Samples: 50412044001, 50412044002, 50412044003, 50412044004, 50412044005			

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	09/14/25 10:36	

LABORATORY CONTROL SAMPLE: 3948829						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3948830 3948831												
Parameter	Units	50412043002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Iodide	mg/L	ND	5	5	5.0	5.0	99	99	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: L2555938

Pace Project No.: 50412044

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2555938
Pace Project No.: 50412044

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50412044001	MW-13S	EPA 9056	862090		
50412044002	MW-13D	EPA 9056	862090		
50412044003	MW-10S	EPA 9056	862090		
50412044004	MW-10D	EPA 9056	862090		
50412044005	SCDOH-DR	EPA 9056	862090		



REPORT OF LABORATORY ANALYSIS

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Date: 09/22/2025 10:34 AM

WO#: 50412044



Subcontract Chain of Custody

Pace Analytical (Indianapolis, IN)
7726 Moller Road
Indianapolis, IN 46268

Pace Job Number
L2555938

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019
Report To: west.subreports@pacelabs.com
Bill To: invoices@pacelabs.coupacloud.com
Phone: 716.427.5228
Email: Jennifer.Bynes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Bynes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables (Level 4)

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2555938 Report to include Method and/or Regulatory required batch QC

Additional Comments:

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2555938-01	MW-138	09-05-25 09:00	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
	L2555938-02	MW-13D	09-05-25 08:55	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
	L2555938-03	MW-10S	09-05-25 10:10	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
	L2555938-04	MW-10D	09-05-25 10:15	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
	L2555938-05	SCDOH-DR	09-05-25 11:30	WATER	Iodide EPA 9056	Profile # 11706: needs L4 and EDD 265 NY EQUIS		1
			Relinquished By:	Date/Time:		Received By:	Date/Time:	
				9/6/15		Felix		
				9.9 / 830		C PACE	9.9 / 830	
Form No: AL_subcoc								



SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents:

CW 9/9 1426

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F G H I

Cooler temp should be above freezing to 6°C

2A. Cooler Temperature(s): 0.3/0.3

(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

2B. Was the PM notified of out-of-temp cooler?: (leave blank if samples are in temp) Yes No

3. Packing Material: Bubble Bags Bubble Wrap None Other:

4. Ice Type: Wet Blue None

5. Courier: FedEx UPS Client Pace NOW Jett Other

6. Custody Seal on Cooler/Box Present: Yes No

(If yes)Seals Intact: Yes No Leave blank if no seals were present

All discrepancies will be written out in the comments section below.

	Yes	No	N/A
7. USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X	
8. Short Hold Time Analysis (48 hours or less)?:		X	
9. Time 5035A TC placed in Freezer or Short Holds To Lab:	Time:		
10. Rush TAT Requested (4 days or less):		X	
11. Custody Signatures Present?	X		
12. Containers intact?	X		
13. Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X		
14. All containers needing acid/base preservation have been pH CHECKED? Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form		X	
15. Residual Chlorine Present (SVOC 625 Pest/PCB 608)			X
16. Residual Chlorine Present (Total/Amenable/Free Cyanide)			X
17. Headspace in VOA Vials (>6mm): See Containter Count form for details			X
18. Trip Blank Present?			X
19. Trip Blank Custody Seals?:			X
20. Extra labels on Terracore Vials? (soils only)			X

Comments:

Page 3461 of 3595

Container Codes

Plastic

NT20	Non Teflon 250mL unpreserved plastic
1044U	125mL unpreserved plastic
1044N	125mL HNO3 plastic
1044B	125mL H2SO4 plastic
Miscellaneous	
Syringe Kit	ILL Crt-6 sampling kit
ZpLO	Ziploc Bag
R	Terracore Kit
SPST	120mL Collform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-13S

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938
Lab Sample ID: 50412044001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/19/2025 10:53

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-13D

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938
Lab Sample ID: 50412044002 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/19/2025 11:12

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10S

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938
Lab Sample ID: 50412044003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/19/2025 11:30

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10D

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938
Lab Sample ID: 50412044004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/19/2025 11:48

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SCDOH-DR

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938
Lab Sample ID: 50412044005 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	09/19/2025 12:07

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938

Initial Calibration Verification Source: 422116

Continuing Calibration Verification Source: 422117

Concentration Units: mg/L Instrument ID: 50IC05

	Initial Calibration Verification				Continuing Calibration Verification						
	08/08/2025 11:25				09/14/2025 09:59			09/14/2025 13:02			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Iodide	5.0	5.0	100.5	90-110	1.0	0.93	92.9	1.0	0.96	95.9	90-110

FORM II INORGANIC-2
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 429001

Concentration Units: mg/L Instrument ID: 50IC05

Analyte	Continuing Calibration Verification						
	09/19/2025 10:17			09/19/2025 12:25			Control Limit
	True	Found	%R	True	Found	%R	
Iodide	1.0	0.93	92.7	1.0	0.90	90.4	90-110

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract : L2555938

Method Blank Matrix: Water Instrument ID: 50IC05

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank (mg/L)		Continuing Calibration Blank (mg/L)						Method Blank	
	08/08/2025 11:43	C	09/14/2025 10:17	C	09/14/2025 13:20	C	09/19/2025 10:35	C	3948828	C
Iodide	0.068	U	0.068	U	0.068	U	0.068	U	ND	U

FORM III INORGANIC-2
BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract : L2555938

Method Blank Matrix: _____ Instrument ID: 50IC05

Method Blank Concentration Units: _____

Analyte	Initial Calibration Blank		Continuing Calibration Blank (mg/L)					
		C	09/19/2025 12:43	C		C		C
Iodide			0.068	U				

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

3948830MS

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938

Matrix: Water Basis: Wet Parent Sample ID: 50412043002

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Iodide	mg/L	80-120	5.0	ND	5.0	99

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

3948831MSD

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938

Matrix: Water Basis: Wet Parent Sample ID: 50412043002

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Iodide	mg/L	80-120	5.0	ND	5.0	99

SAMPLE NO.

FORM VI INORGANIC-1
DUPLICATES

3948831MSD

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938Matrix: Water Concentration Units: mg/LPercent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Iodide	15	5.0	5.0	0

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

3948829LCS

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Iodide	mg/L	5.0	5.0	100	80	120

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938

Preparation Method: EPA 9056 Batch: GCSV 62064

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
3948828	3948828BLANK	09/14/2025	10	10
3948829	3948829LCS	09/14/2025	10	10
3948830	3948830MS	09/14/2025	10	10
3948831	3948831MSD	09/14/2025	10	10
50412044001	MW-13S	09/19/2025	10	10
50412044002	MW-13D	09/19/2025	10	10
50412044003	MW-10S	09/19/2025	10	10
50412044004	MW-10D	09/19/2025	10	10
50412044005	SCDOH-DR	09/19/2025	10	10

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50412044 Contract: L2555938

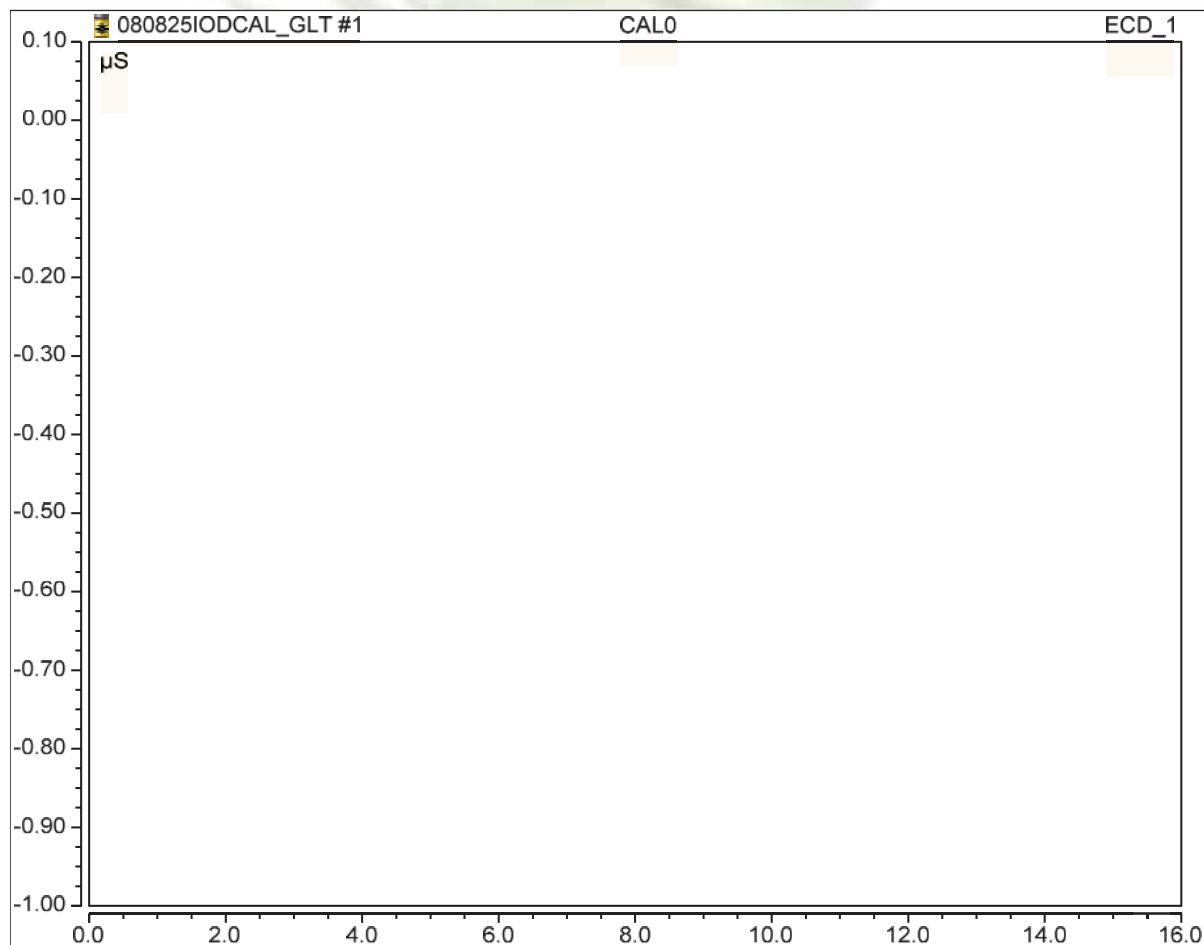
Instrument ID: 50IC05 Analysis Method: EPA 9056

Start Date: 08/08/2025 09:35 End Date: 09/19/2025 12:43

Sample Name	Lab Sample ID	D/F	Date	Time	iodi
27511502CAL0	27511502CAL0	1	08/08/2025	09:35	X
27387566CAL1	27387566CAL1	1	08/08/2025	09:54	X
27387567CAL2	27387567CAL2	1	08/08/2025	10:12	X
27387568CAL3	27387568CAL3	1	08/08/2025	10:30	X
27387569CAL4	27387569CAL4	1	08/08/2025	10:48	X
27387570CAL5	27387570CAL5	1	08/08/2025	11:07	X
27387571ICV	27387571ICV	1	08/08/2025	11:25	X
27387572ICB	27387572ICB	1	08/08/2025	11:43	X
50412043002	50412043002	1	09/14/2025	09:41	X
27587815CCV	27587815CCV	1	09/14/2025	09:59	X
27587816CCB	27587816CCB	1	09/14/2025	10:17	X
3948828BLANK	3948828	1	09/14/2025	10:36	X
3948829LCS	3948829	1	09/14/2025	10:54	X
3948830MS	3948830	1	09/14/2025	11:12	X
3948831MSD	3948831	1	09/14/2025	11:31	X
27587817CCV	27587817CCV	1	09/14/2025	13:02	X
27587818CCB	27587818CCB	1	09/14/2025	13:20	X
27626602CCV	27626602CCV	1	09/19/2025	10:17	X
27626603CCB	27626603CCB	1	09/19/2025	10:35	X
MW-13S	50412044001	1	09/19/2025	10:53	X
MW-13D	50412044002	1	09/19/2025	11:12	X
MW-10S	50412044003	1	09/19/2025	11:30	X
MW-10D	50412044004	1	09/19/2025	11:48	X
SCDOH-DR	50412044005	1	09/19/2025	12:07	X
27626604CCV	27626604CCV	1	09/19/2025	12:25	X
27626605CCB	27626605CCB	1	09/19/2025	12:43	X

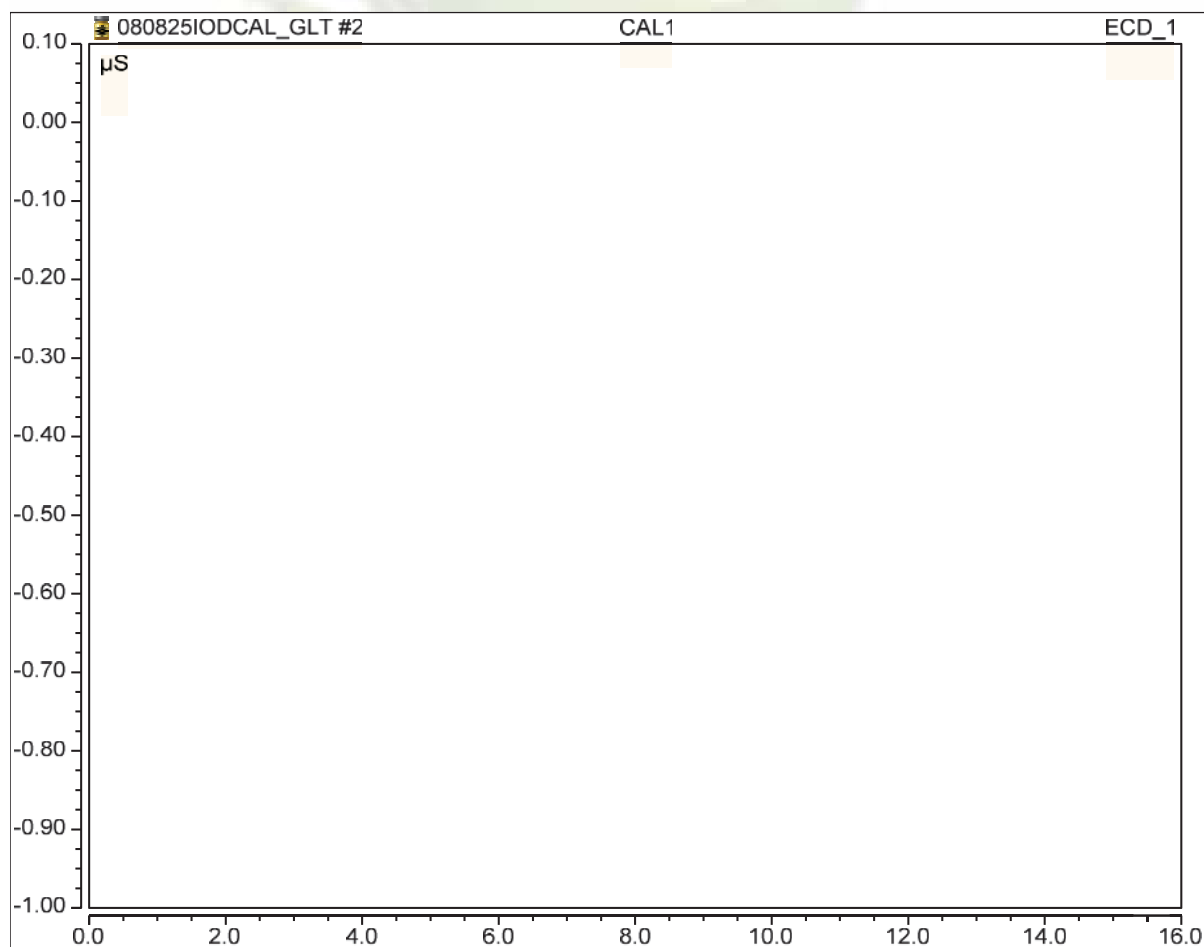
CAL0			
412755			
Sample Name:	CAL0	Injection Volume (uL):	25.00
Vial Number:	GA1	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 09:35	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount n.a.	Area μS*min	Height μS	Type
-----	-----------------------	------	----------------	----------------	--------------	------



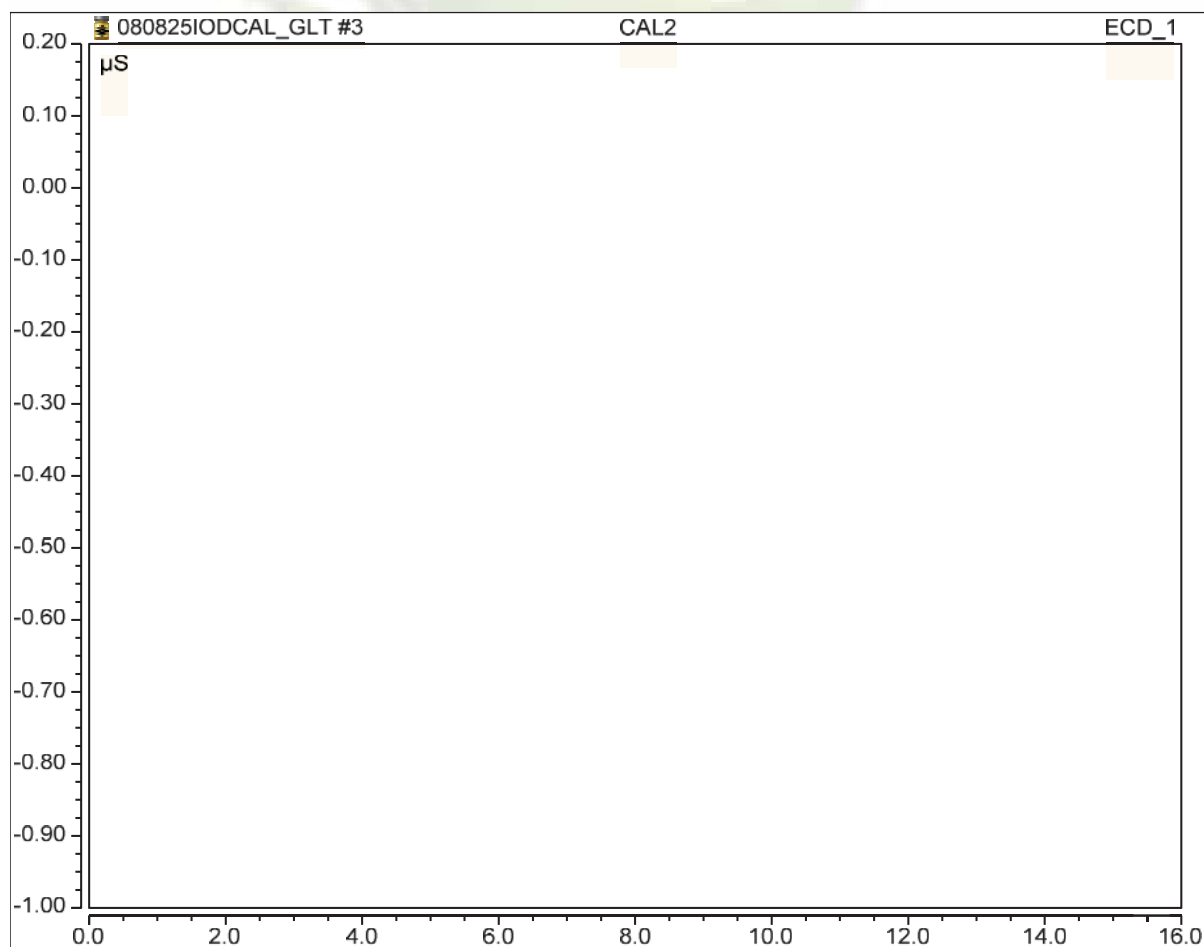
CAL1			
412754			
Sample Name:	CAL1	Injection Volume (uL):	25.00
Vial Number:	GA2	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 09:54	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.67	Iodide	0.5368	0.018	0.045	BMB



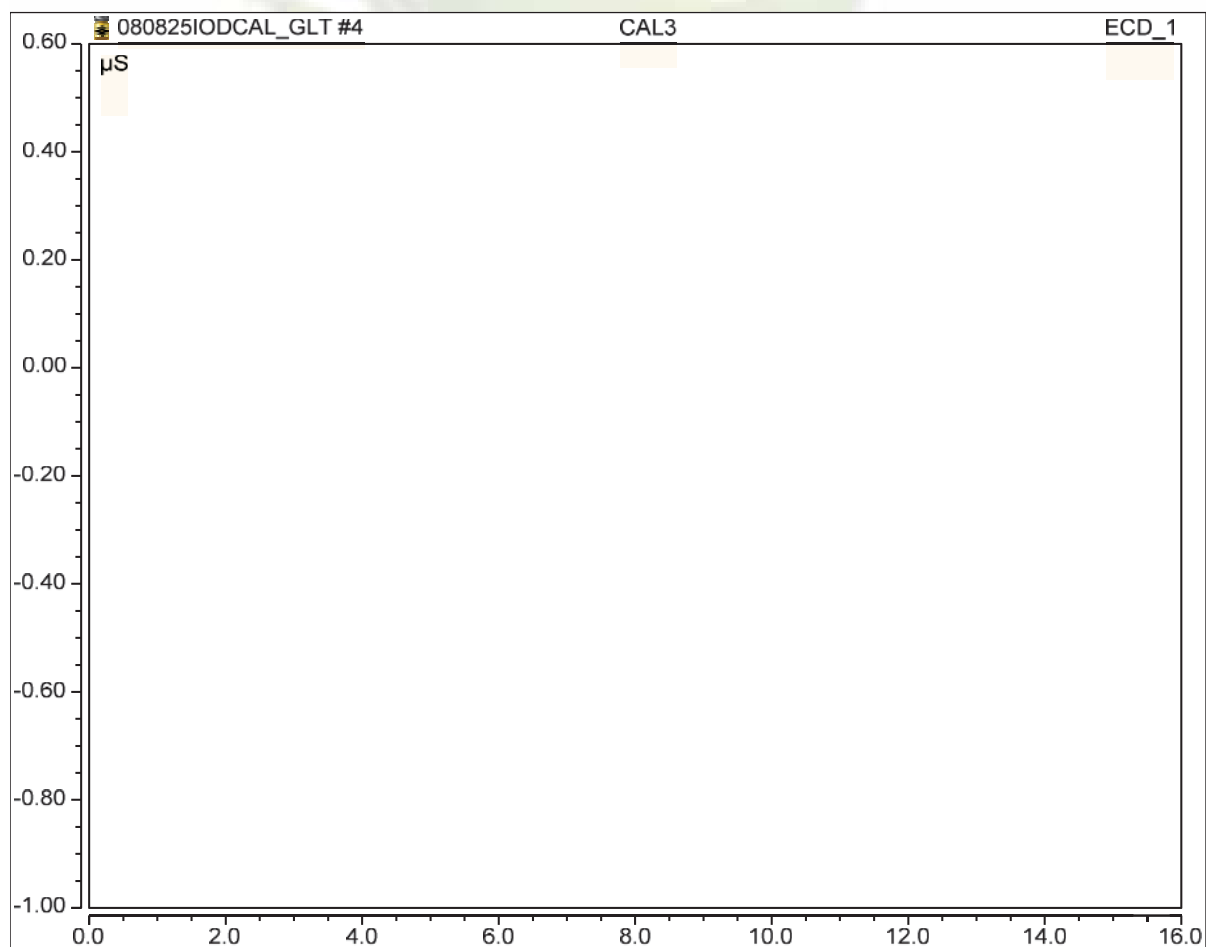
CAL2			
412753			
Sample Name:	CAL2	Injection Volume (uL):	25.00
Vial Number:	GA3	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 10:12	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.68	Iodide	0.9273	0.031	0.087	BMB



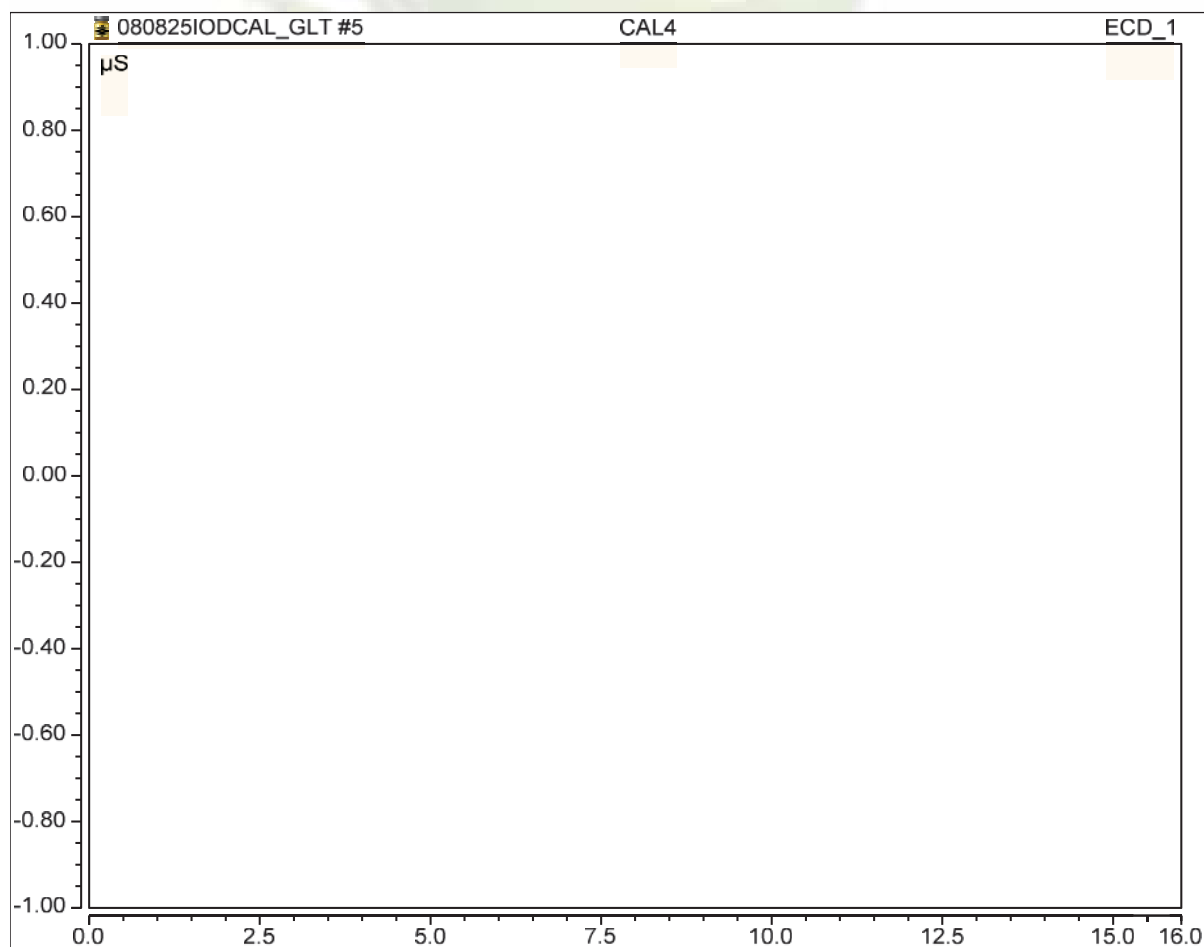
CAL3			
412752			
Sample Name:	CAL3	Injection Volume (uL):	25.00
Vial Number:	GA4	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 10:30	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.64	Iodide	4.9735	0.165	0.447	BMB



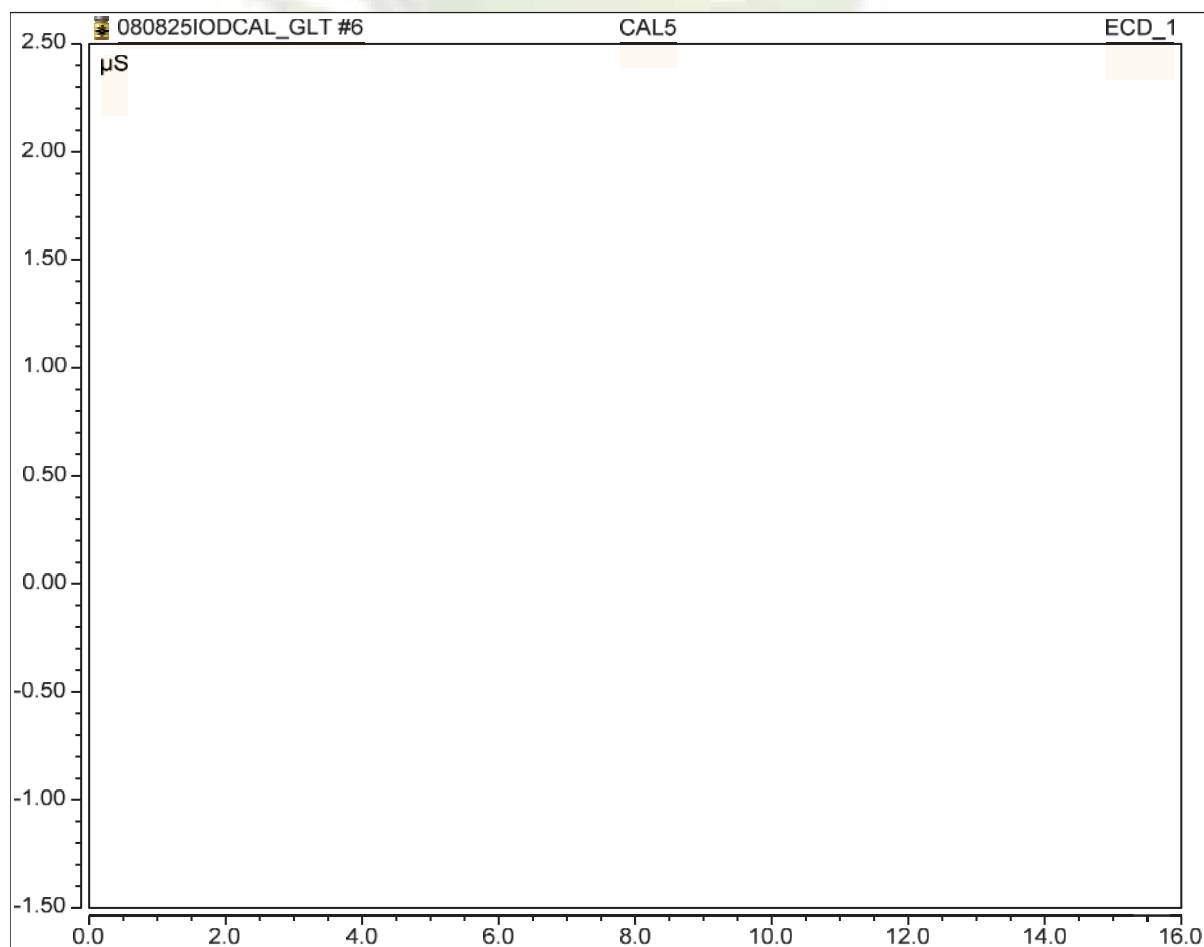
CAL4			
412751			
Sample Name:	CAL4	Injection Volume (uL):	25.00
Vial Number:	GA5	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 10:48	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.66	Iodide	10.0297	0.333	0.908	BMB



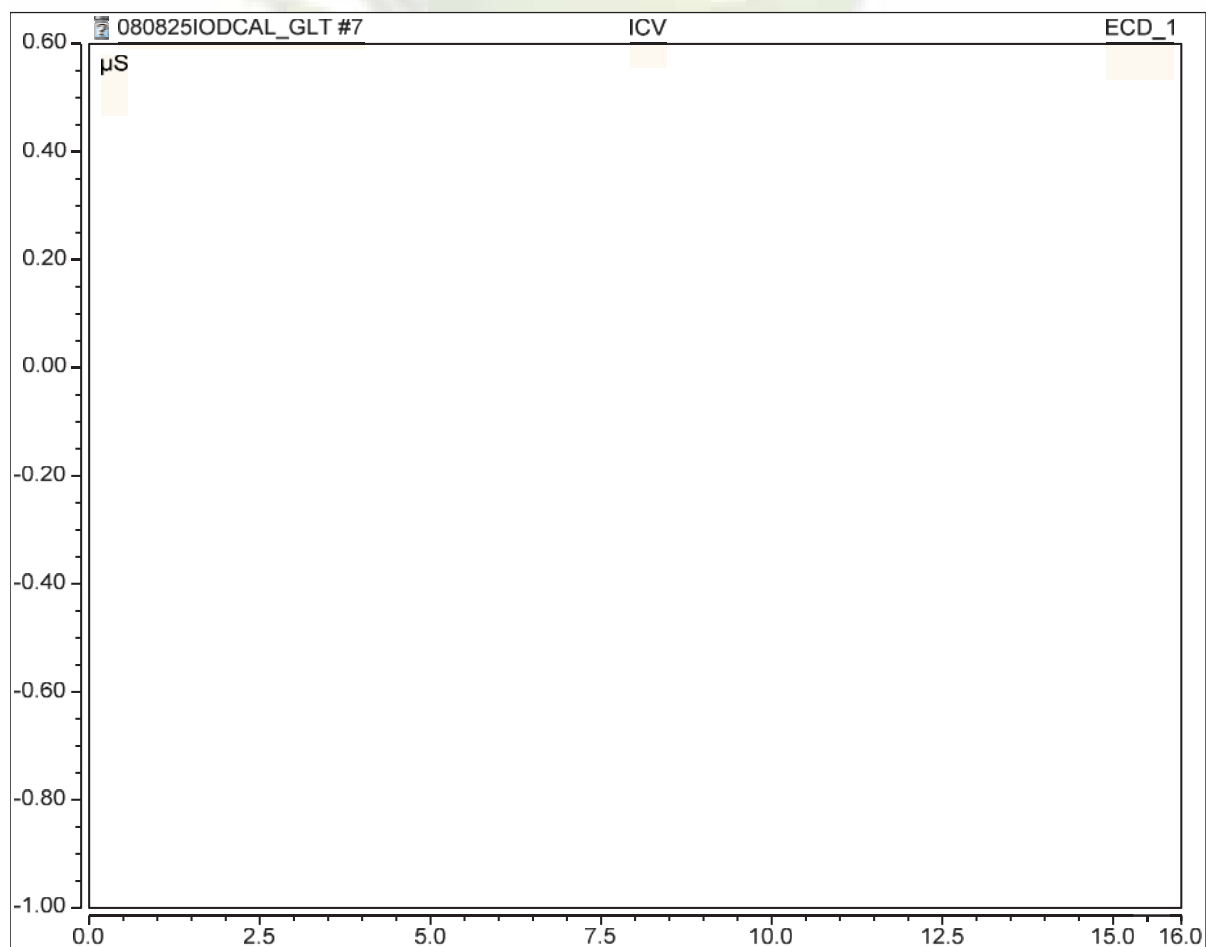
CAL5			
412750			
Sample Name:	CAL5	Injection Volume (uL):	25.00
Vial Number:	GA6	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 11:07	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.63	Iodide	25.0327	0.830	2.271	BMB



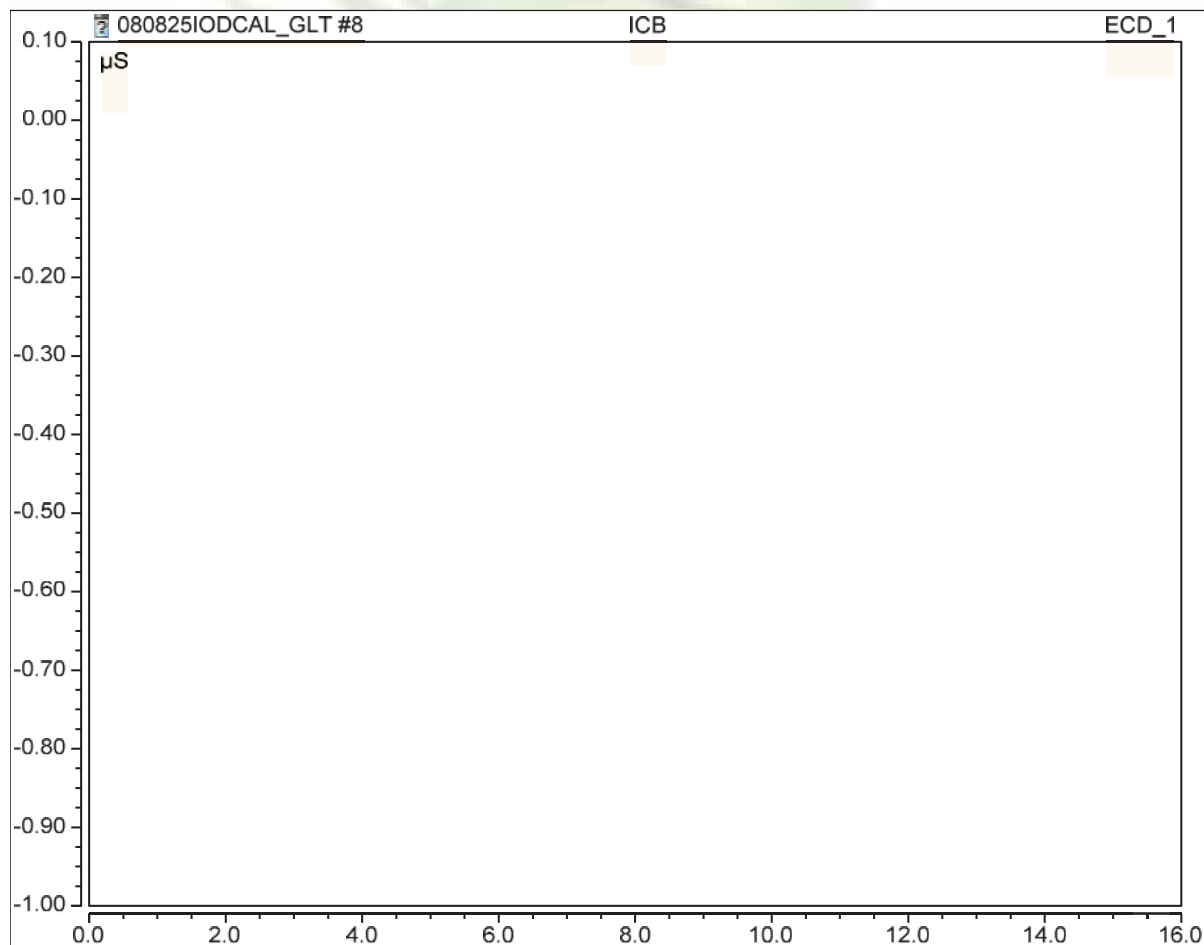
ICV			
399113			
Sample Name:	ICV	Injection Volume (uL):	25.00
Vial Number:	B3	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 11:25	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	13.69	Iodide	5.0227	0.167	0.450	BMB



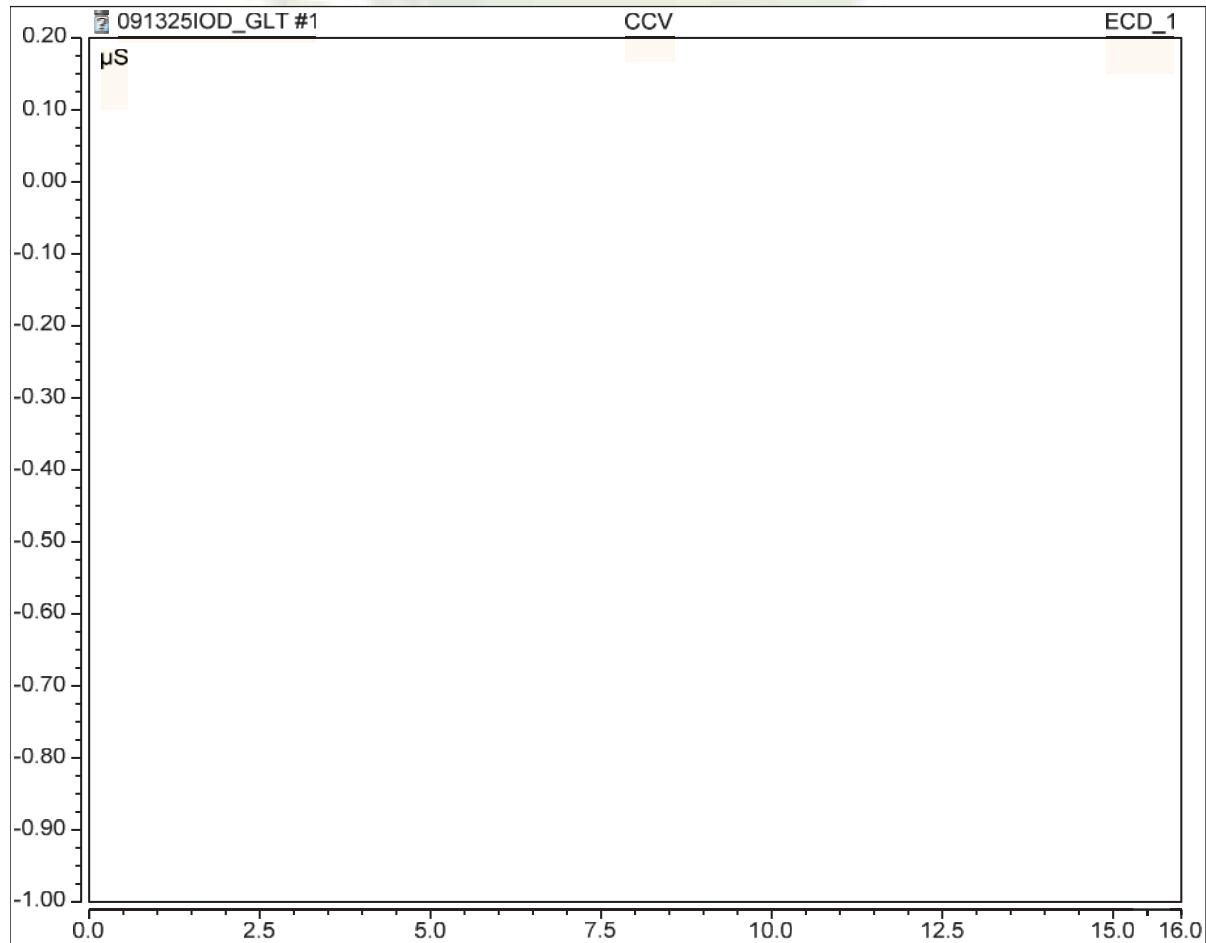
ICB			
340111			
Sample Name:	ICB	Injection Volume (uL):	25.00
Vial Number:	B1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	08/11/25 10:44
Control Program:	50IC05IOD-AS22	Eluent Stock:	402456
Quantif. Method:	CAL_IODIDE05	Dilution Factor	1.0000
Recording Time:	08/08/2025 11:43	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC05

No.	Retention Time min	Name	Amount n.a.	Area μS*min	Height μS	Type
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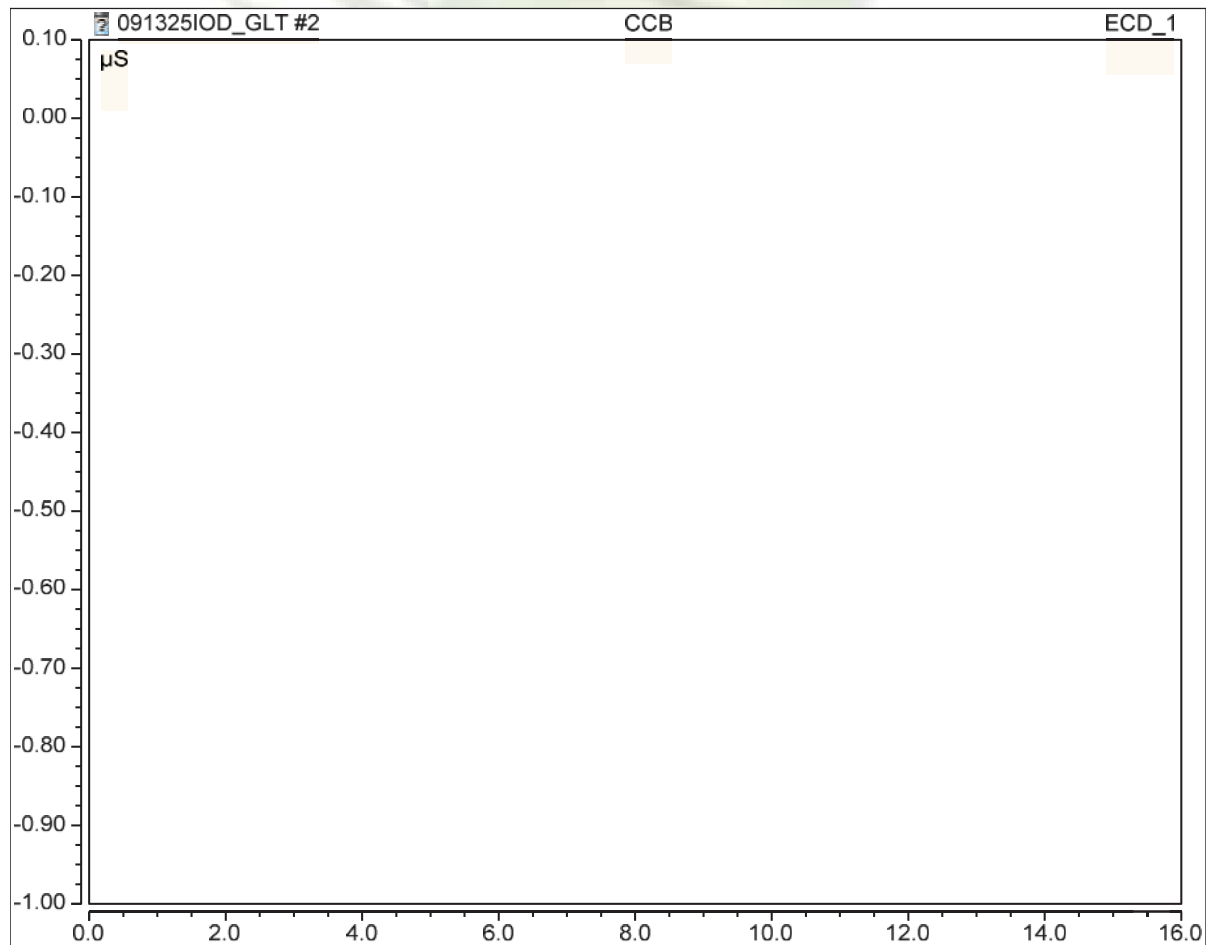
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8460502 00/6_	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.41	g dtto	0.9347	0.032	0.090	BMB



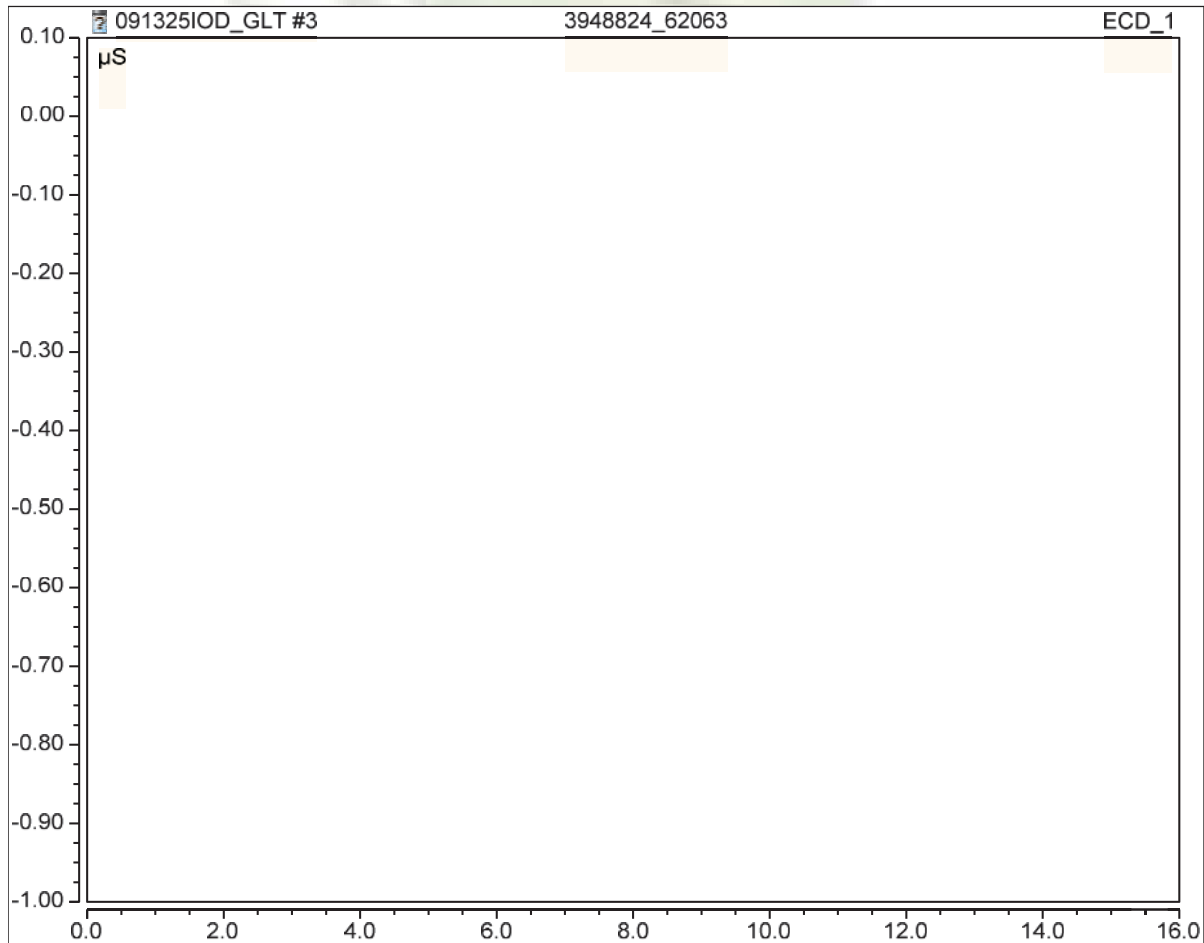
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8460502 00/21	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	mud μS*i te	r othgR μS	nnyo
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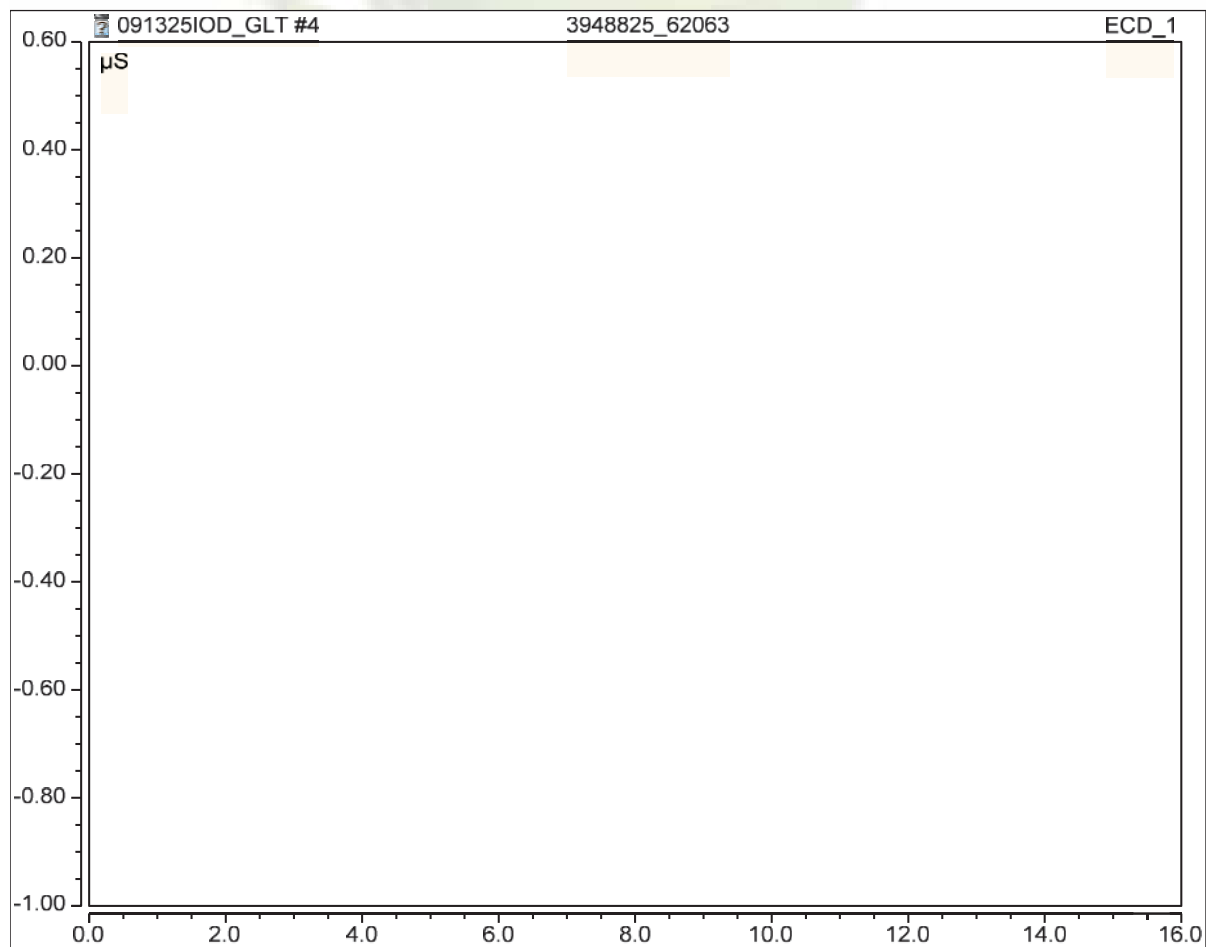
6: L__0L B05B6			
6L5444			
Sample Name:	6: L__0LB05B6	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8460502 06/41	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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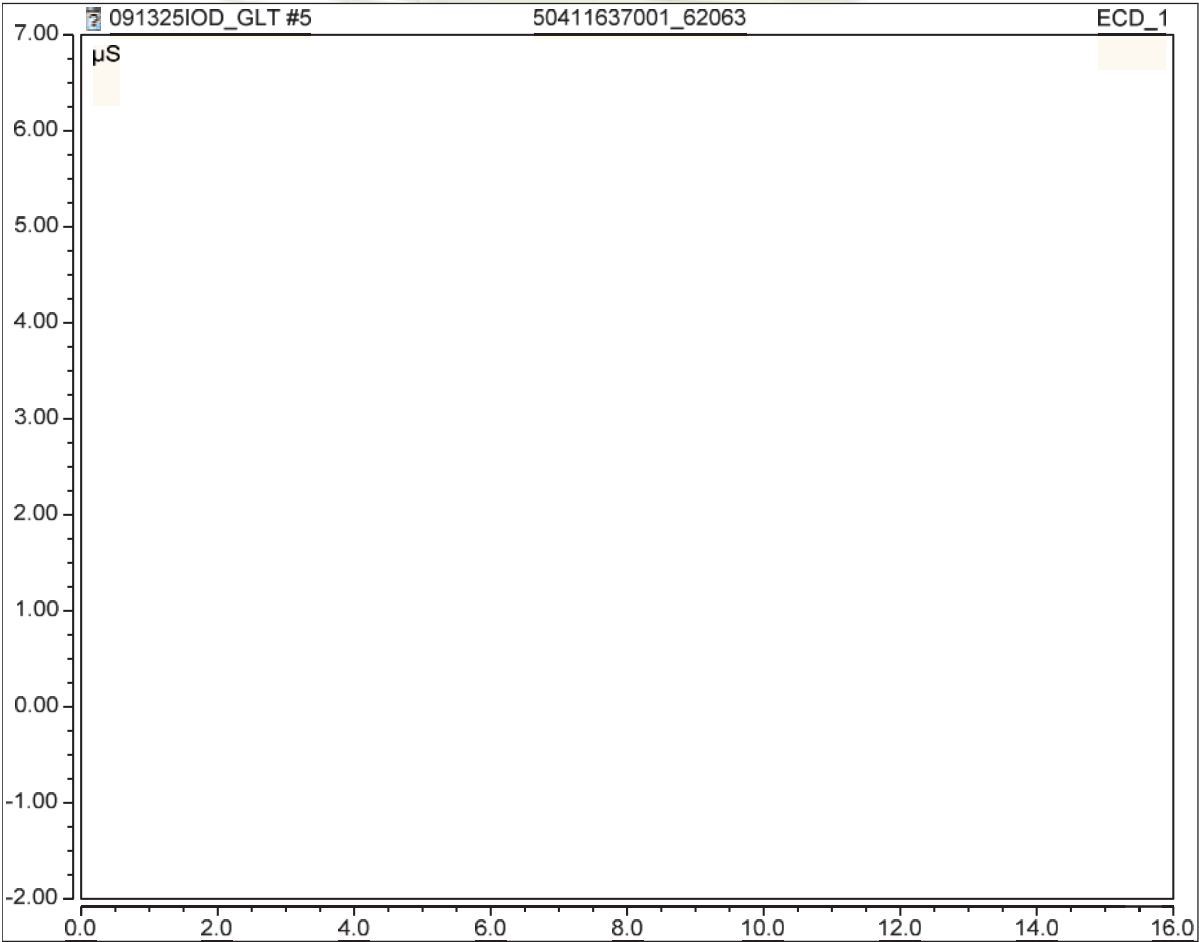
6: L__02 B05B6			
611B 5			
Sample Name:	6: L__02B05B6	Injection Volume (uL):	02755
Vial Number:	B3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8460502 06/6B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.42	g dtto	5.0242	0.167	0.479	BMB



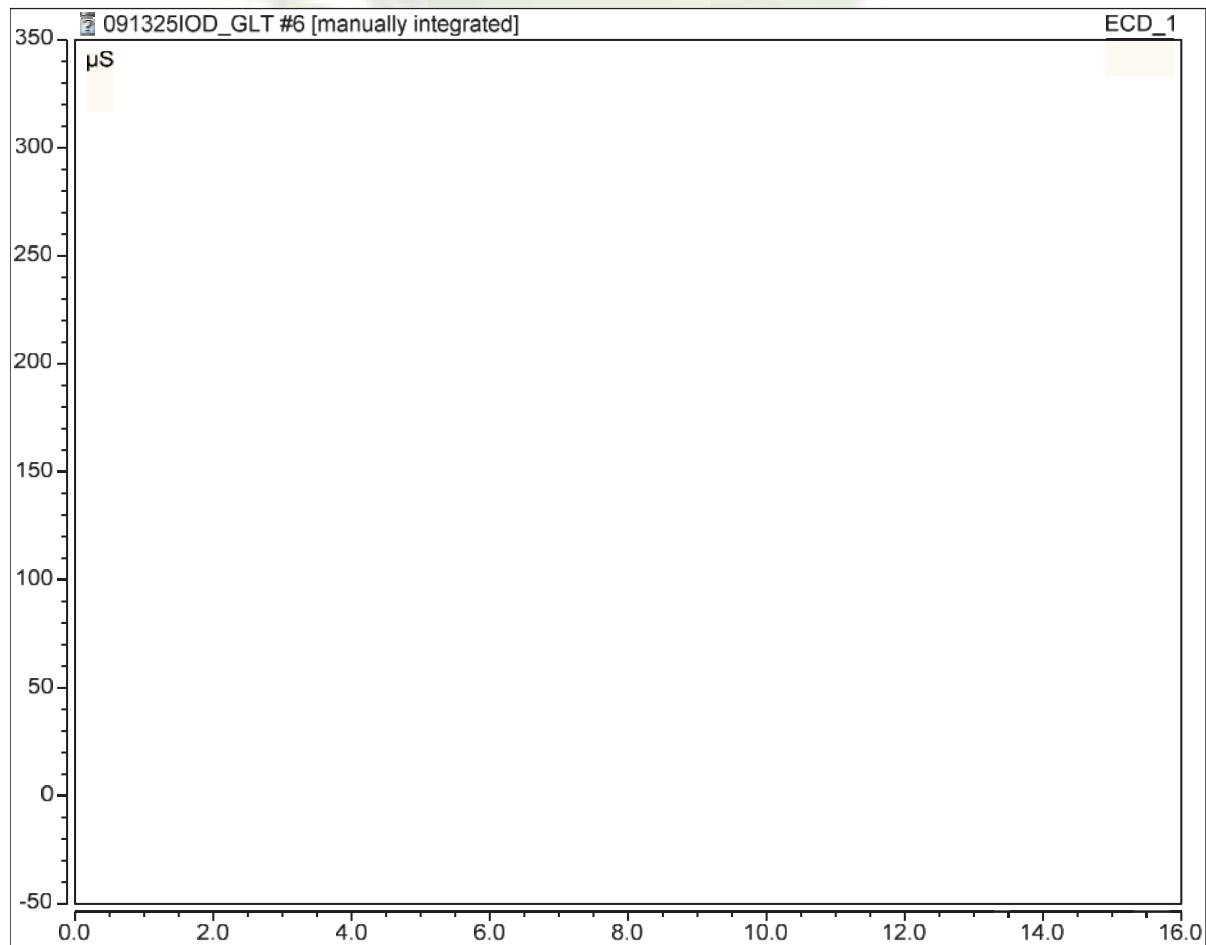
25L44B61554 B05B6			
Sample Name:	25L44B61554B05B6	Injection Volume (uL):	02755
Vial Number:	RA1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8460502 06/22	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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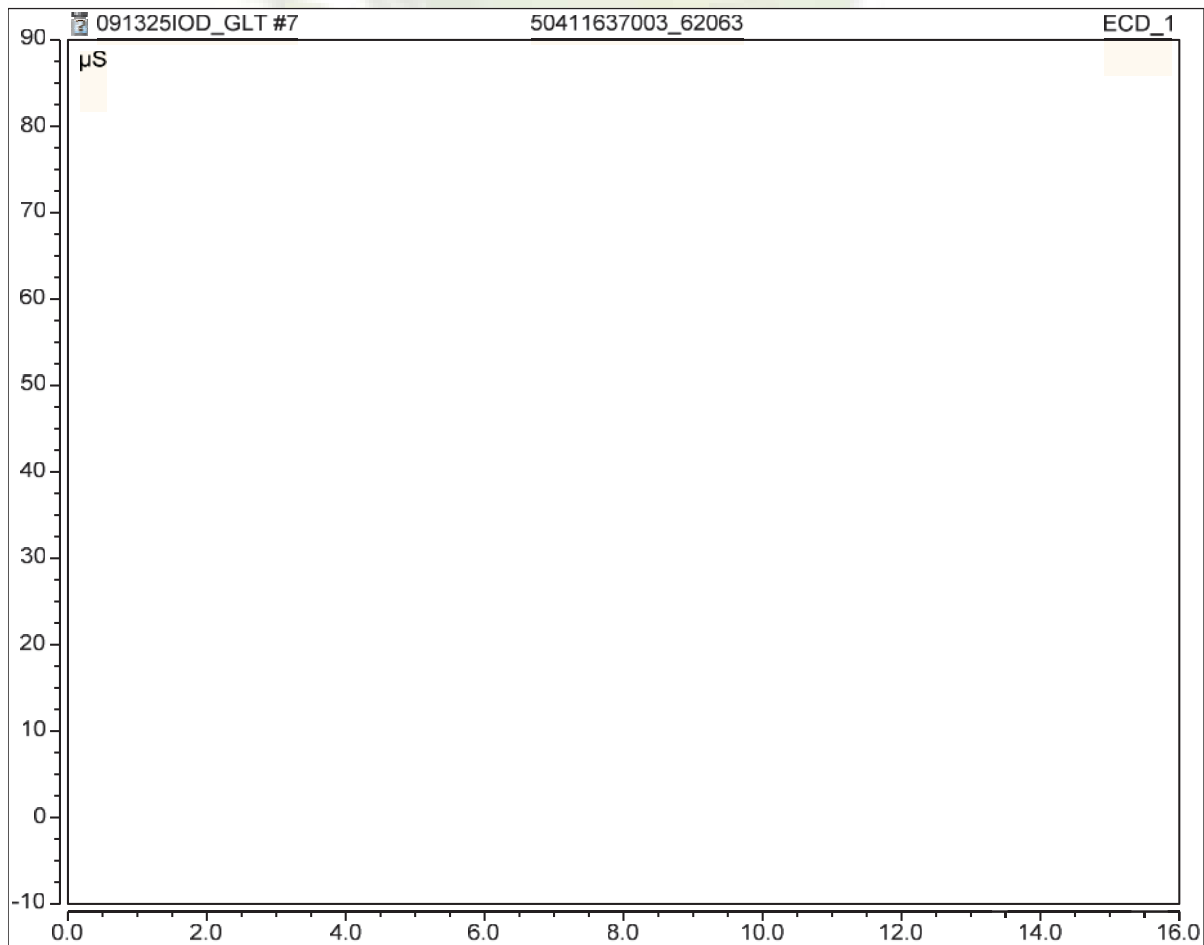
25L44B61550 B05B6			
Sample Name:	25L44B61550B05B6	Injection Volume (uL):	02755
Vial Number:	RA2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 55/4L	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.43	g dtto	1.1044	0.037	0.108	BMB*



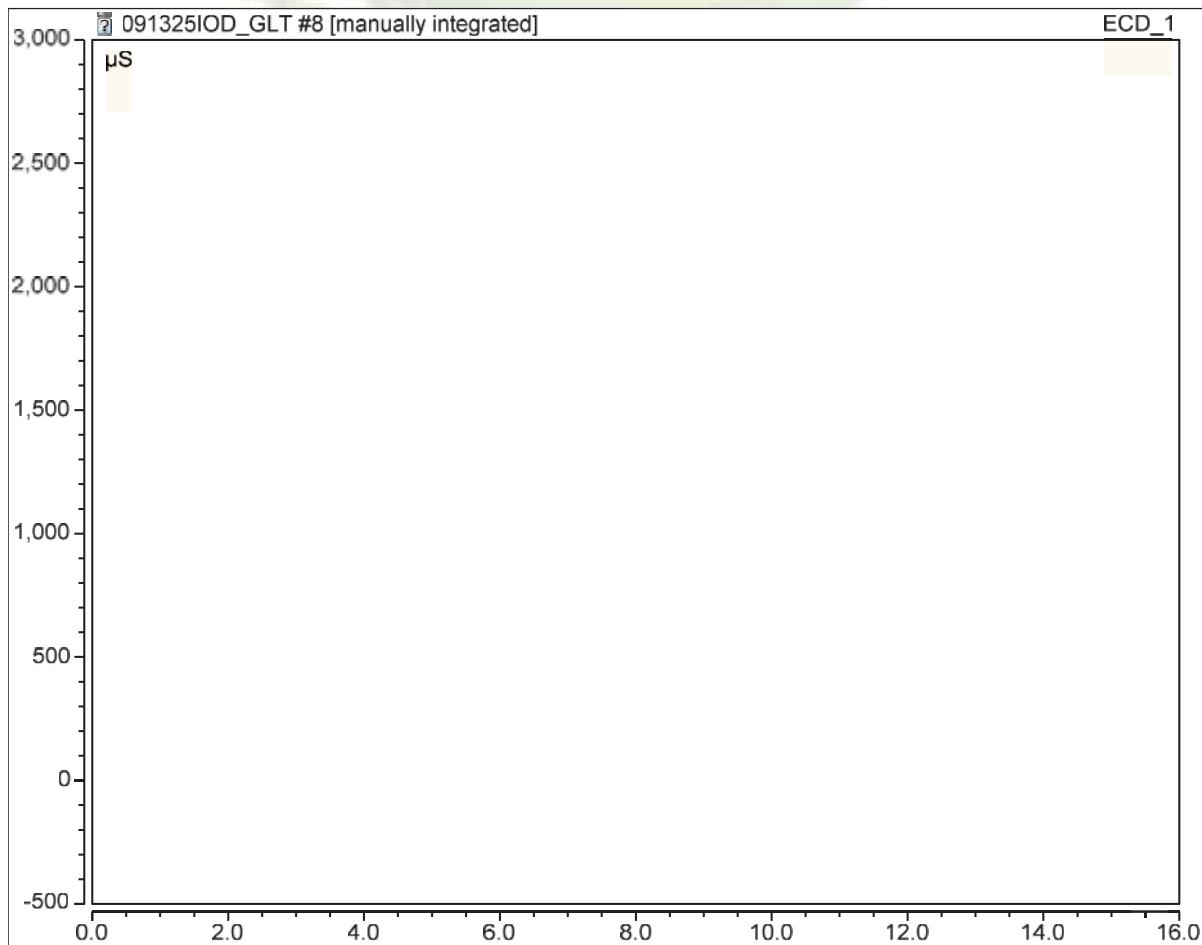
25L44B61556 B05B6			
Sample Name:	25L44B61556B05B6	Injection Volume (uL):	0275
Vial Number:	RA3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 55/66	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.44	g dtto	0.5221	0.018	0.052	BMB



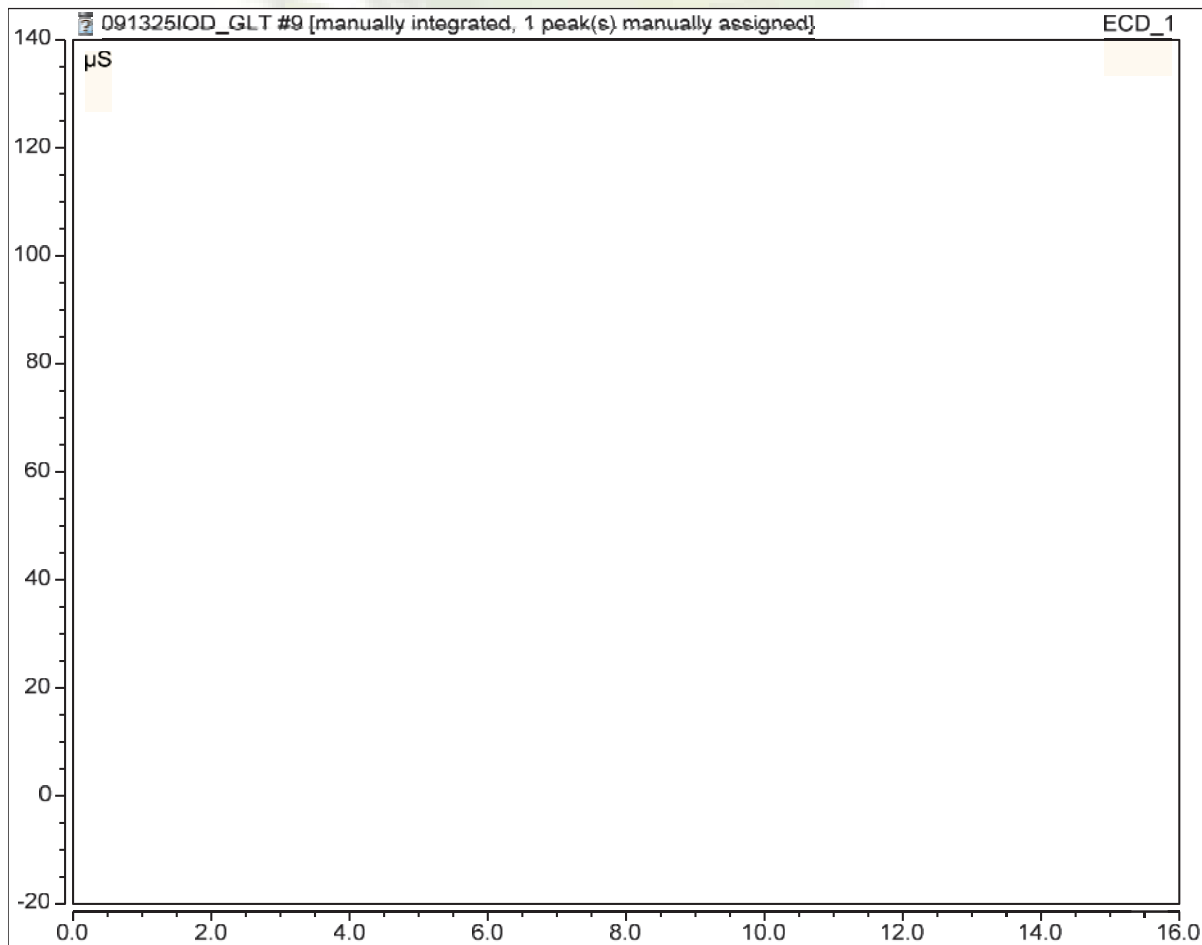
25L441: 4554 B05B6			
Sample Name:	25L441: 4554B05B6	Injection Volume (uL):	02755
Vial Number:	RA4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84402 55/26	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.34	g dtto	6.7183	0.223	0.560	BMB*



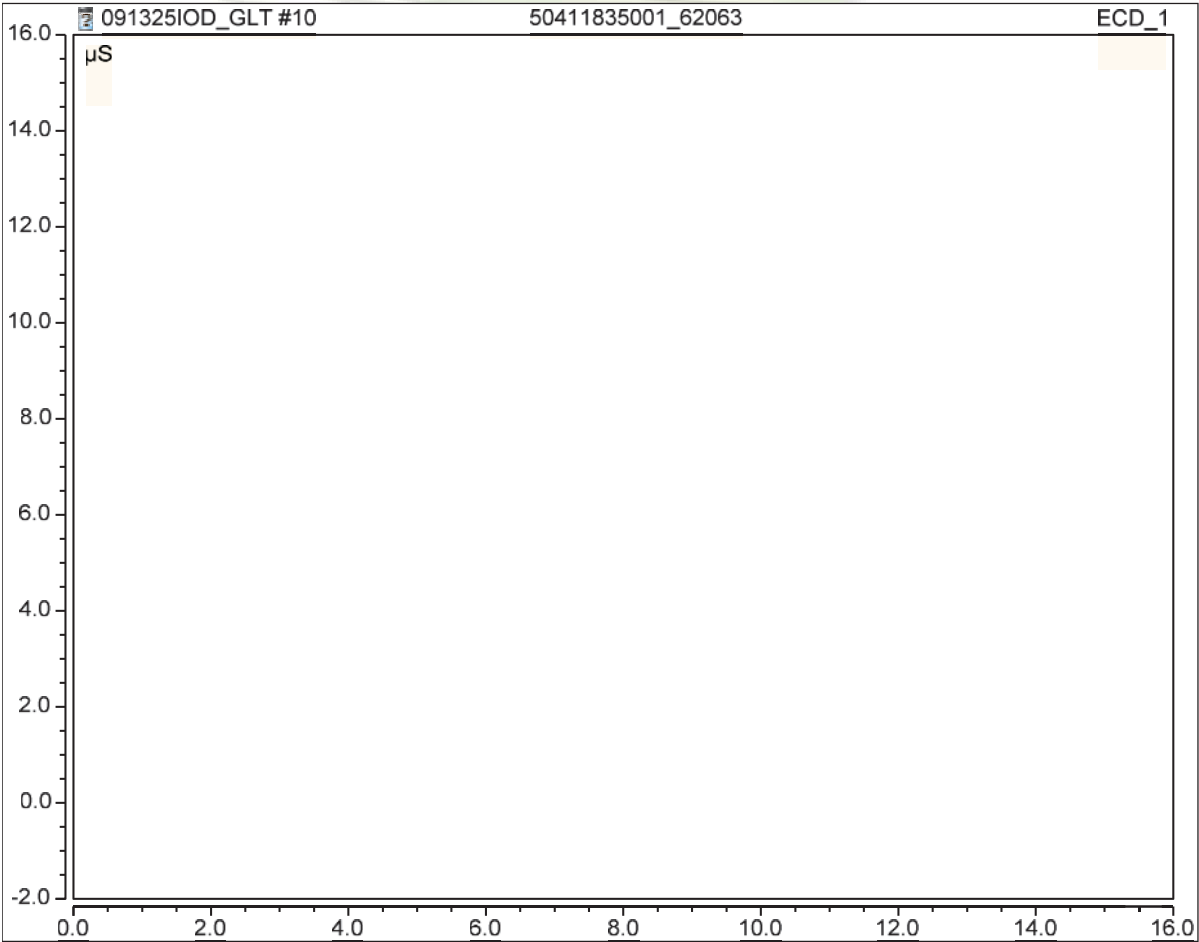
25L44_6L554 B05B6			
Sample Name:	25L44_6L554B05B6	Injection Volume (uL):	02755
Vial Number:	RA5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8L80502 54/40	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.32	g dtto	0.6448	0.022	0.042	BMB**^



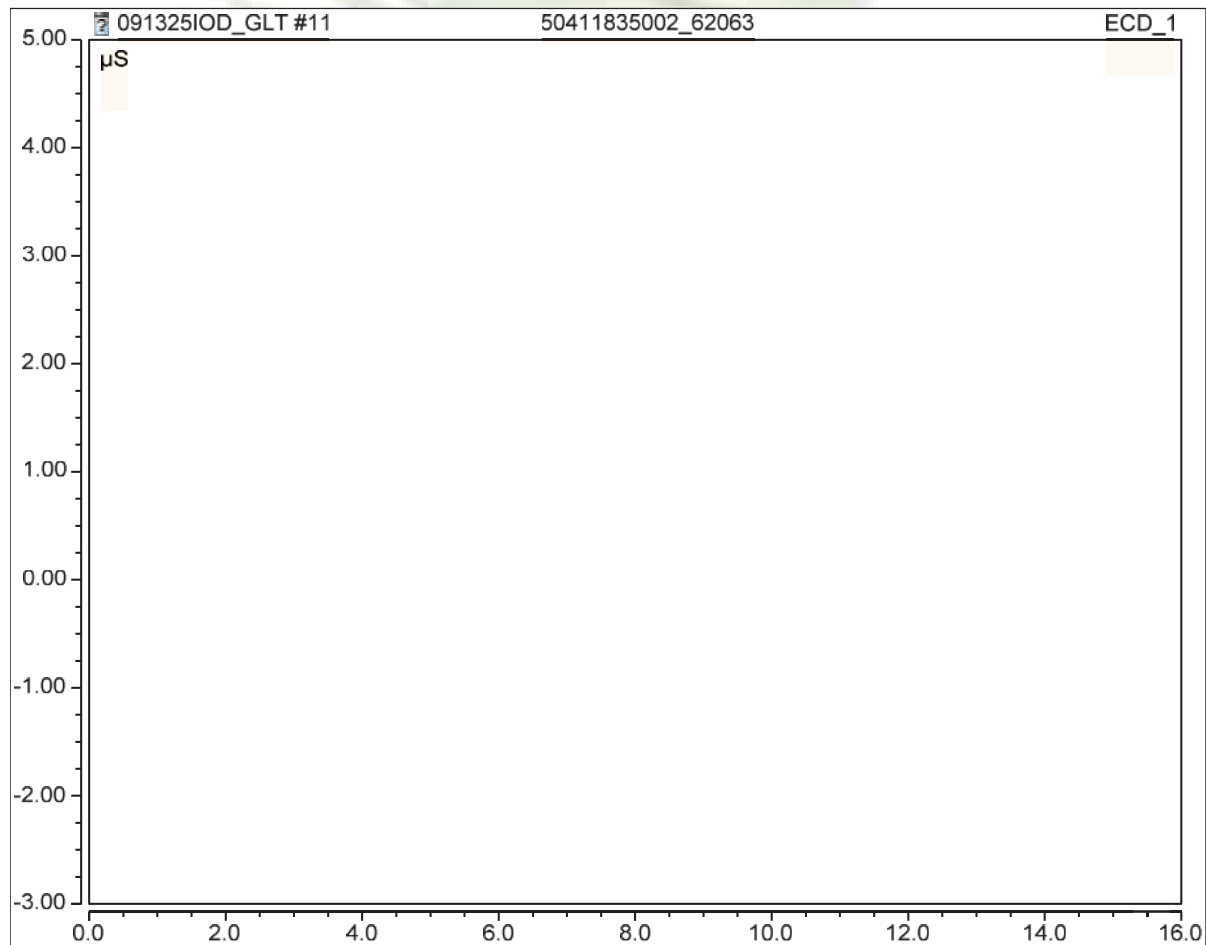
25L44_62554 B05B6			
Sample Name:	25L44_62554B05B6	Injection Volume (uL):	02755
Vial Number:	RA6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 54/64	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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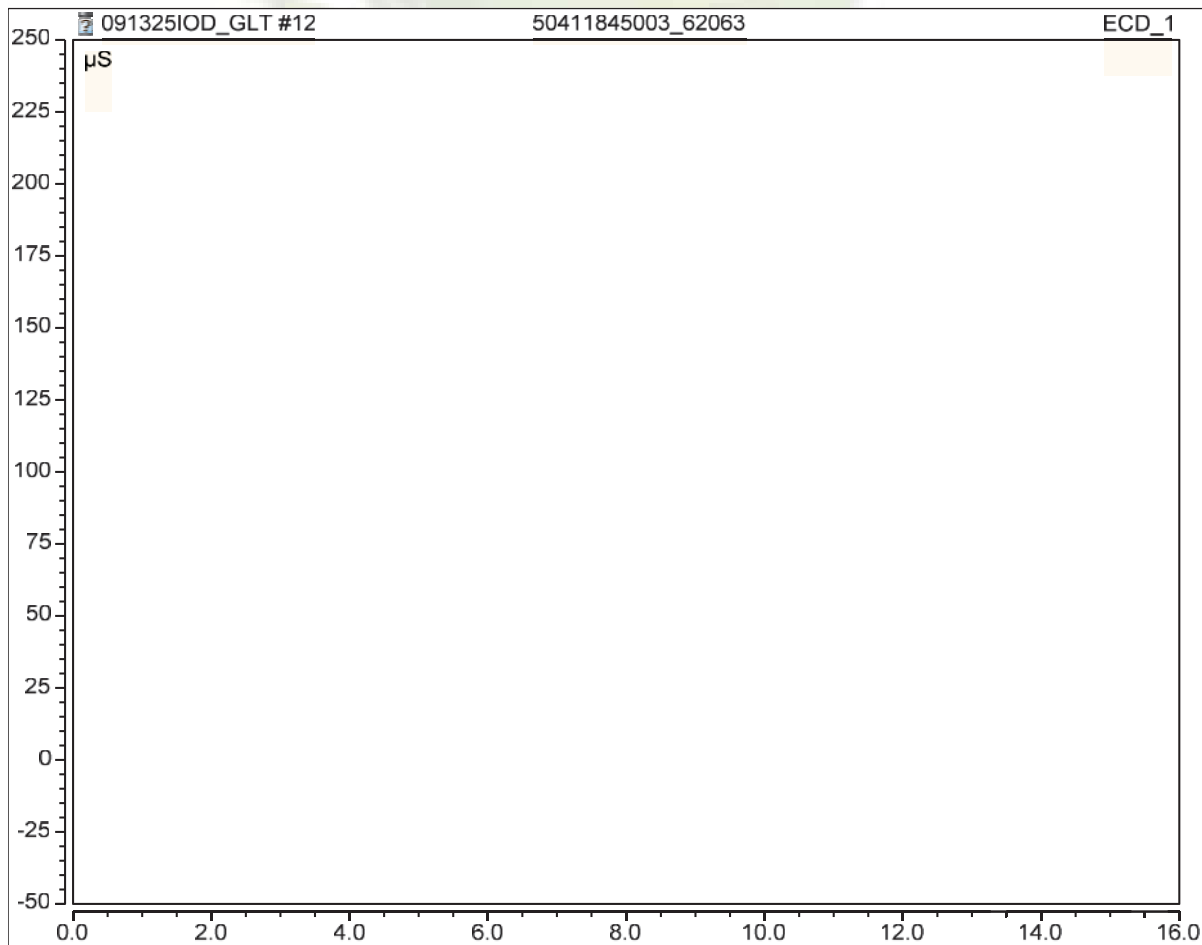
25L44_62550 B05B6			
Sample Name:	25L44_62550B05B6	Injection Volume (uL):	0275
Vial Number:	RA7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 54/25	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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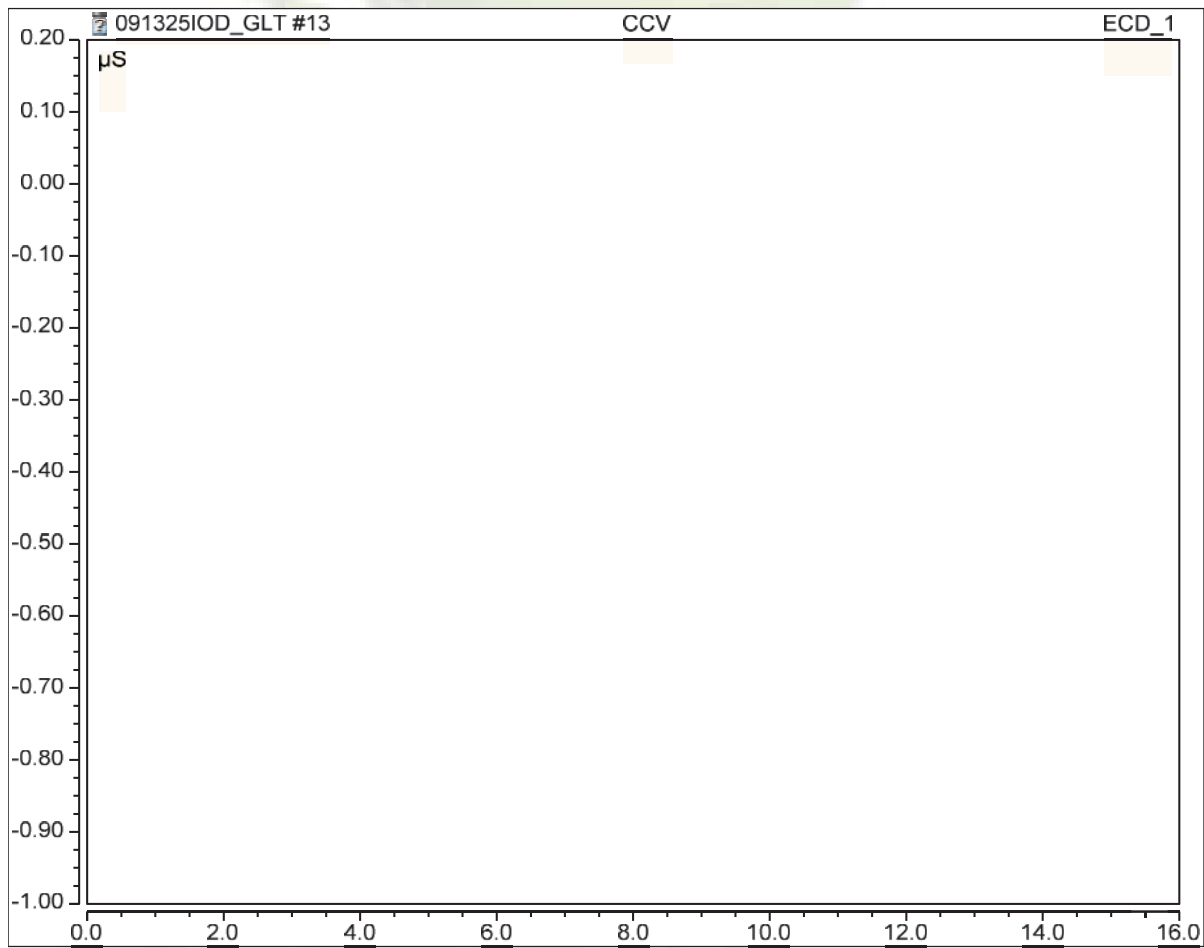
25L44_L2556 B05B6			
Sample Name:	25L44_L2556B05B6	Injection Volume (uL):	02755
Vial Number:	RA8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 50/5:	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.41	g dtto	0.0544	0.002	0.007	BMB



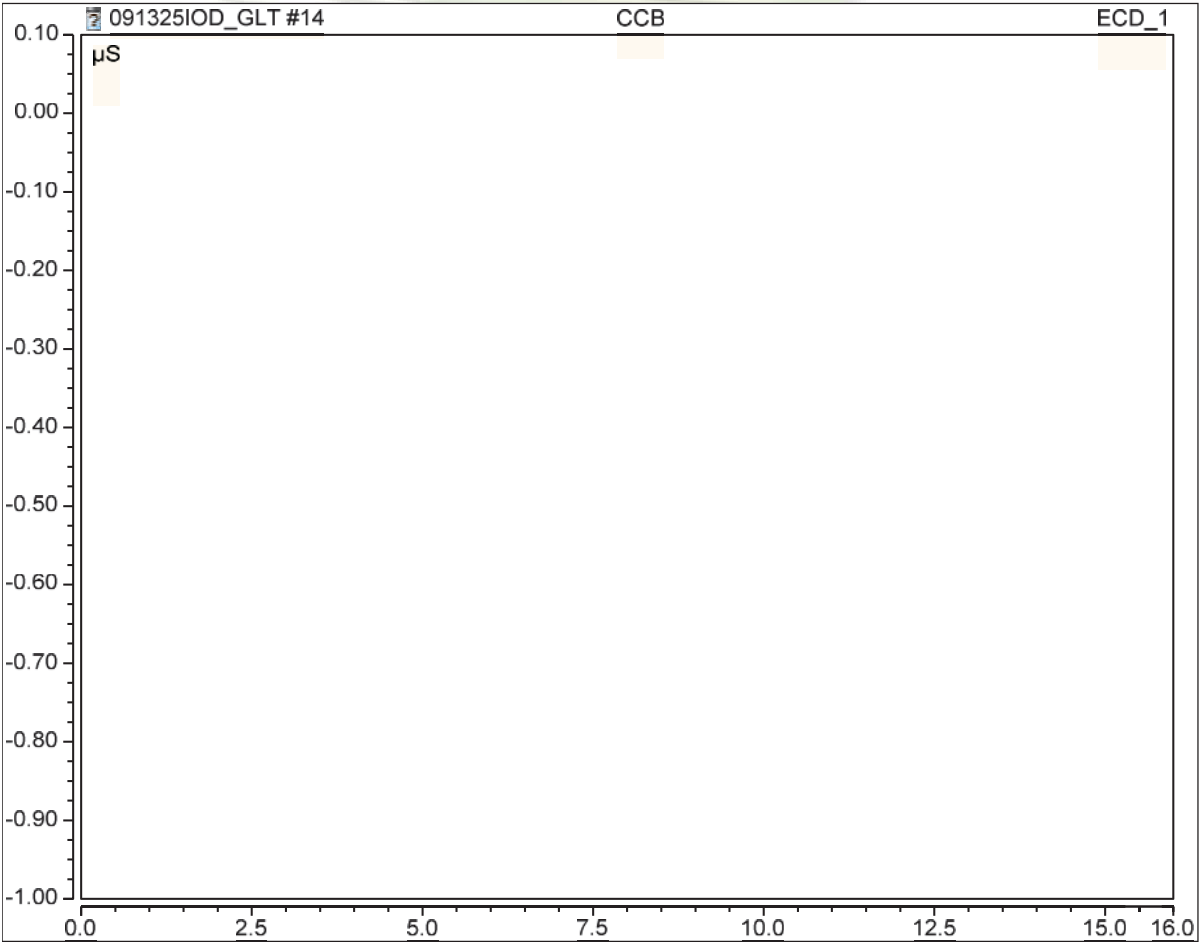
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 50/0_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.37	g dtto	0.9378	0.032	0.092	BMB



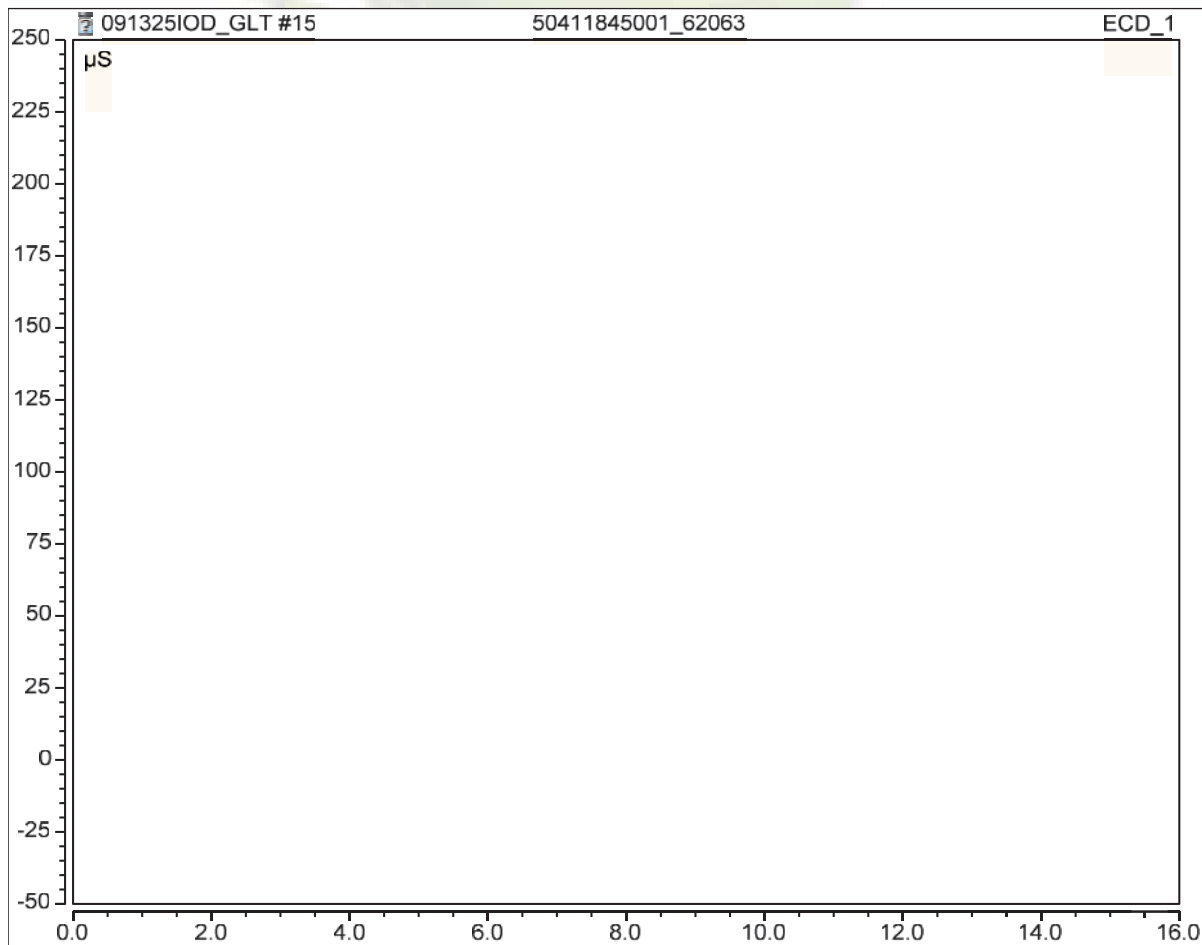
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	0275
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 50/L_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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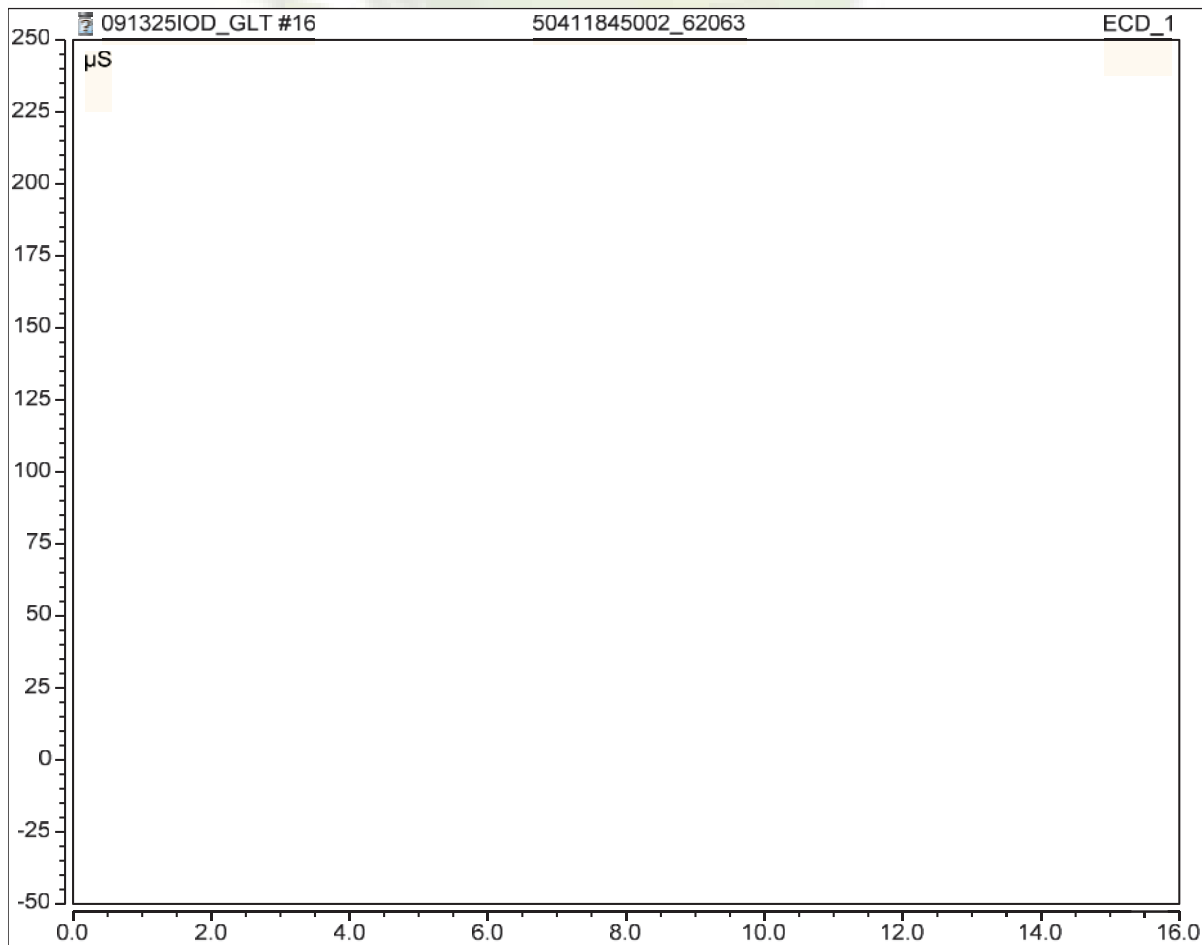
25L44_L2554 B05B6			
Sample Name:	25L44_L2554B05B6	Injection Volume (uL):	0275
Vial Number:	RB1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 56/51	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.36	g dtto	0.0364	0.002	0.006	BMB



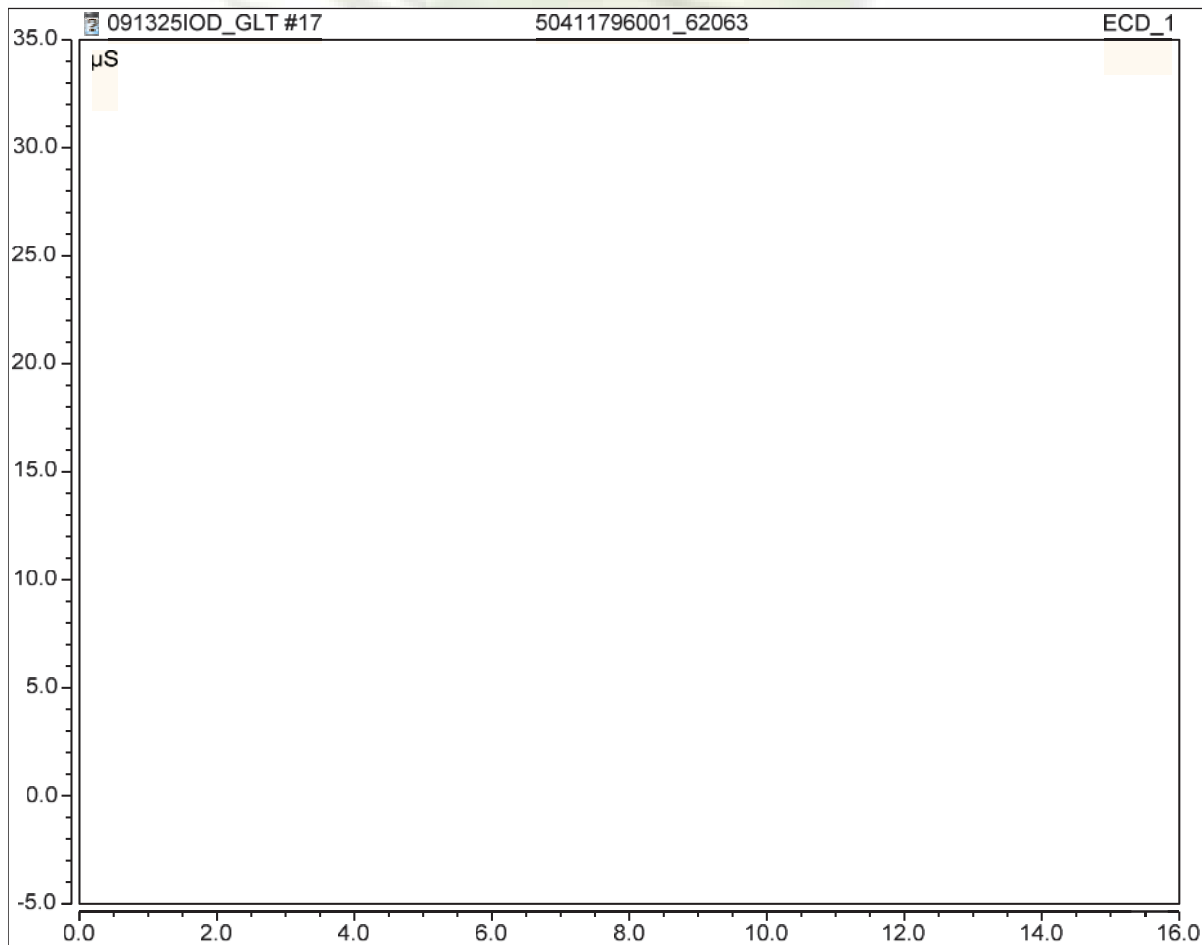
25L44_L2550 B05B6			
Sample Name:	25L44_L2550B05B6	Injection Volume (uL):	02755
Vial Number:	RB2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 56/0B	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.40	g dtto	0.0591	0.003	0.007	BMB



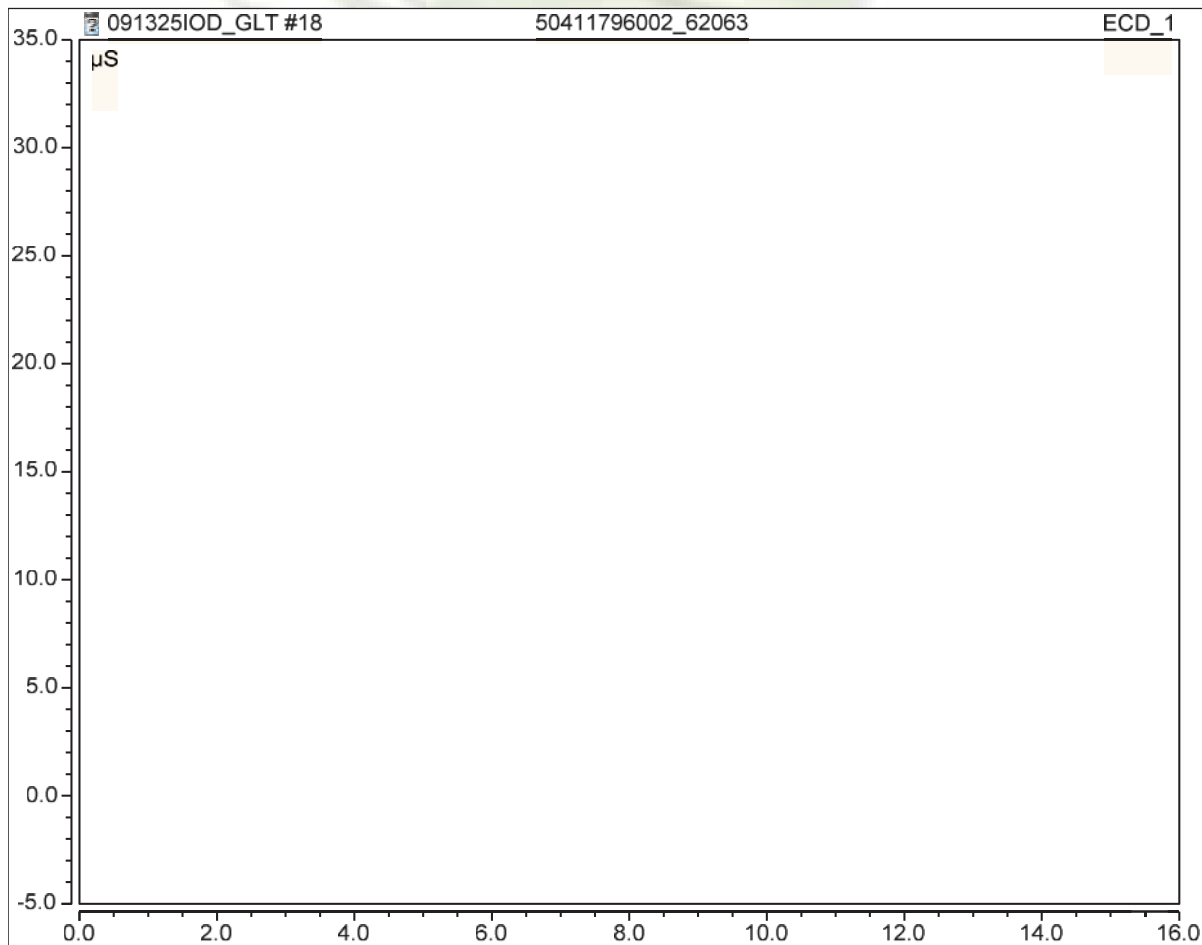
25L441: B554 B05B6			
Sample Name:	25L441: B554B05B6	Injection Volume (uL):	02755
Vial Number:	RB3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 56/L2	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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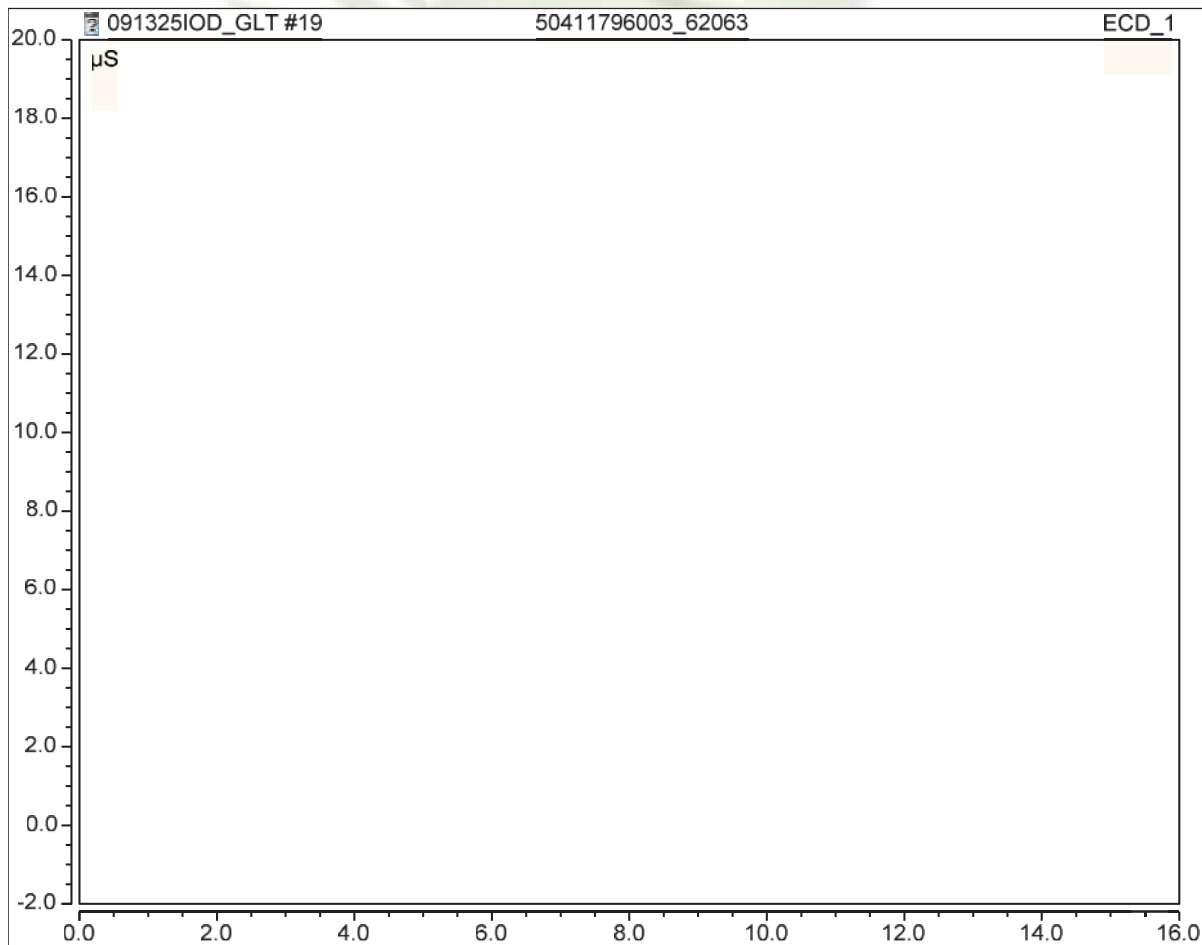
25L441: B550 B05B6			
Sample Name:	25L441: B550B05B6	Injection Volume (uL):	0275
Vial Number:	RB4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 5L/5L	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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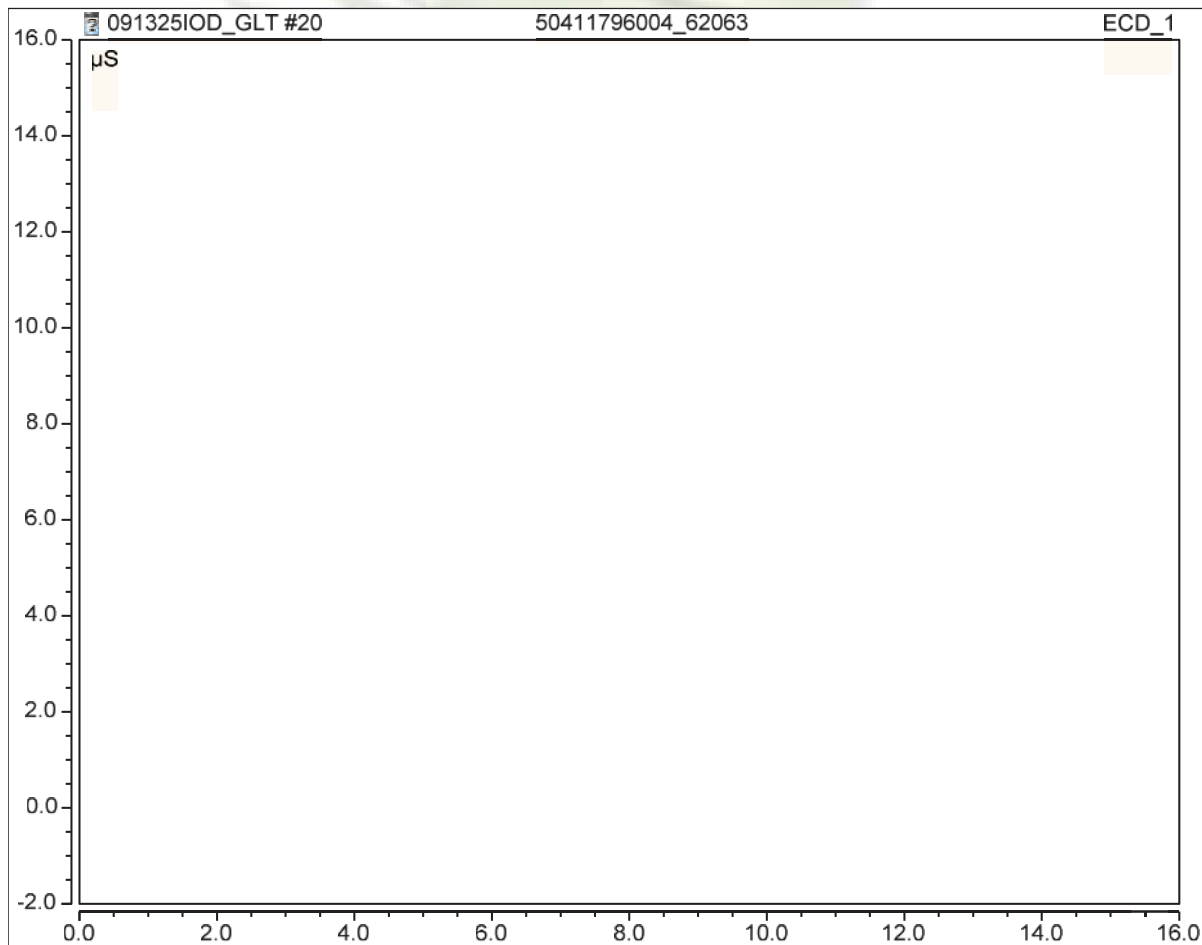
25L441: B556 B05B6			
Sample Name:	25L441: B556B05B6	Injection Volume (uL):	02755
Vial Number:	RB5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8480502 5L/0L	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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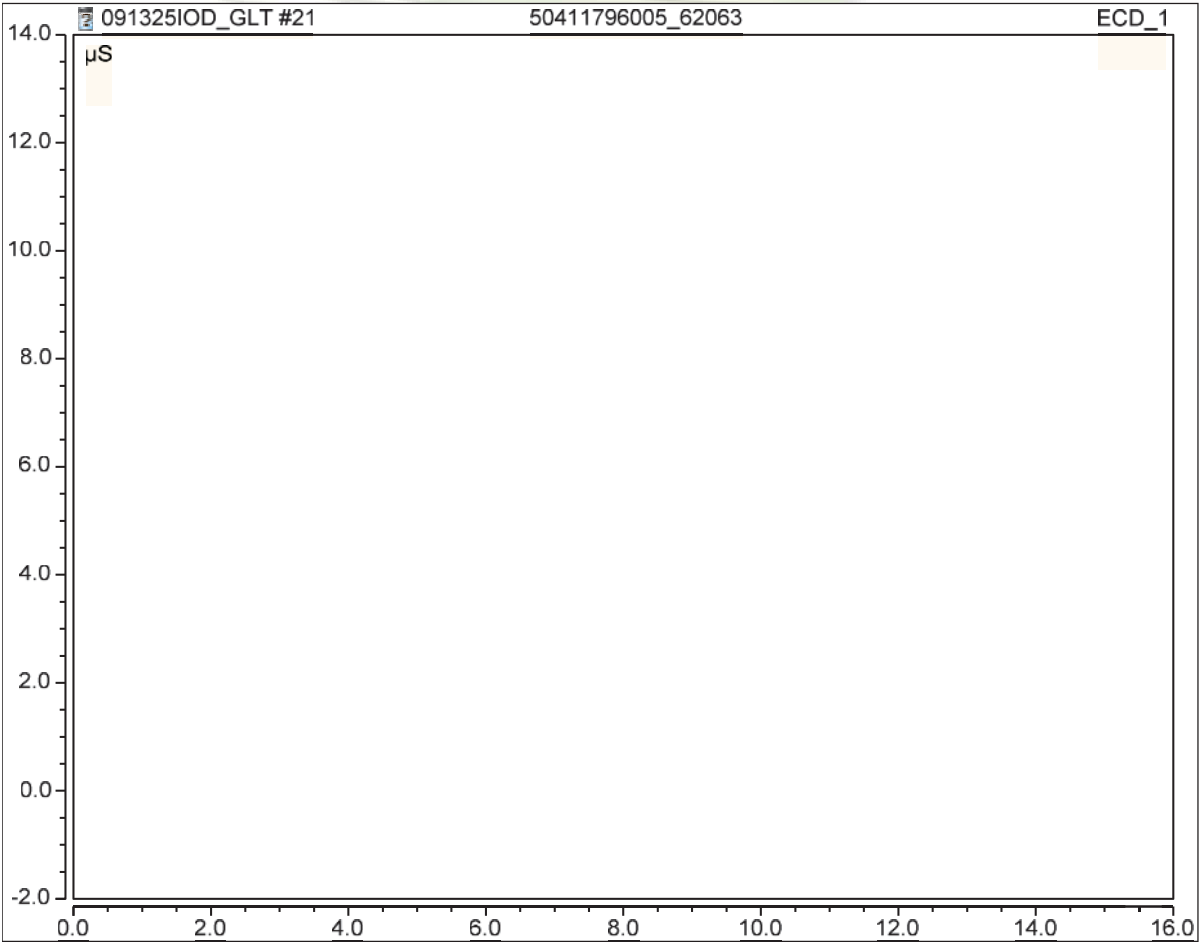
25L441: B55L B05B6			
Sample Name:	25L441: B55LB05B6	Injection Volume (uL):	02755
Vial Number:	RB6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 5L/L6	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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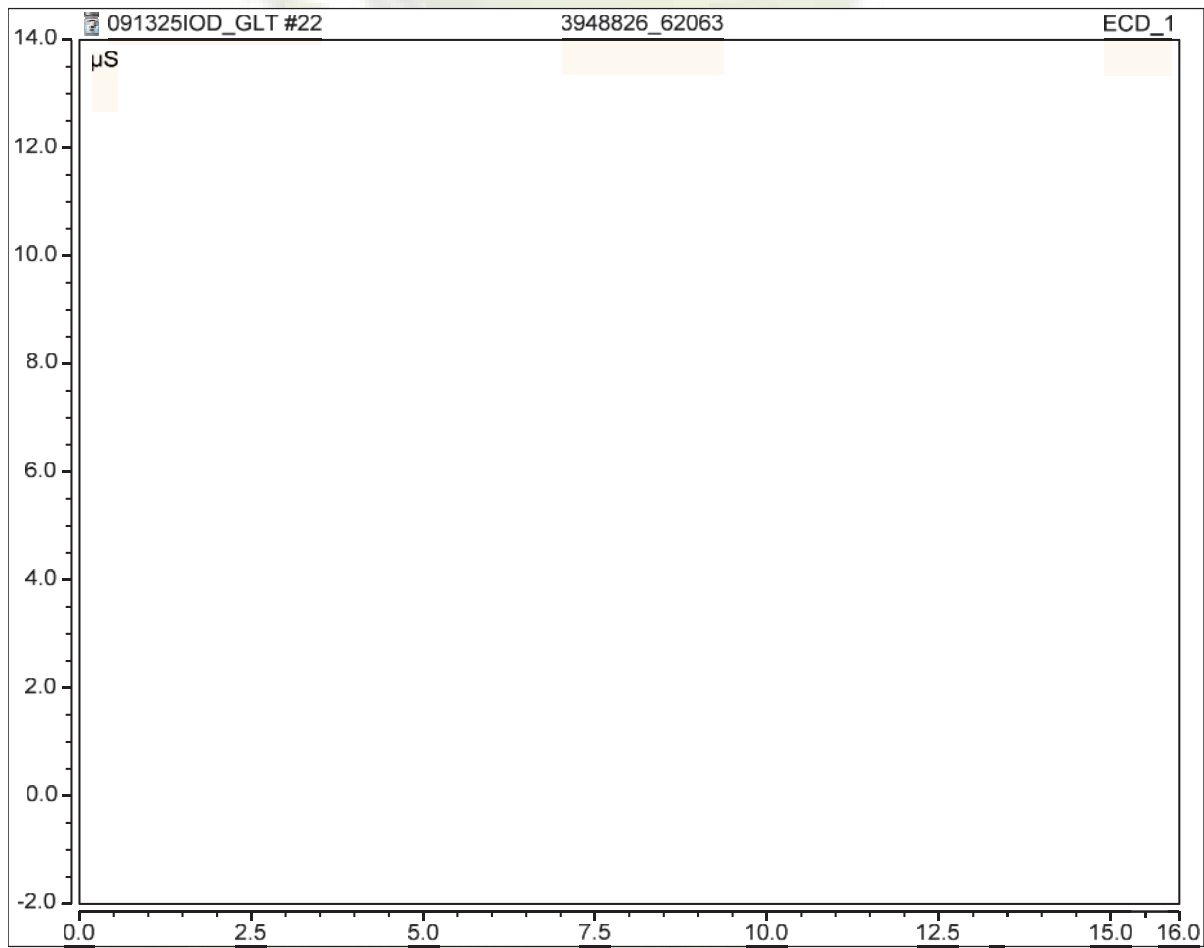
25L441: B552 B05B6			
Sample Name:	25L441: B552B05B6	Injection Volume (uL):	0275
Vial Number:	RB7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8L80502 52/50	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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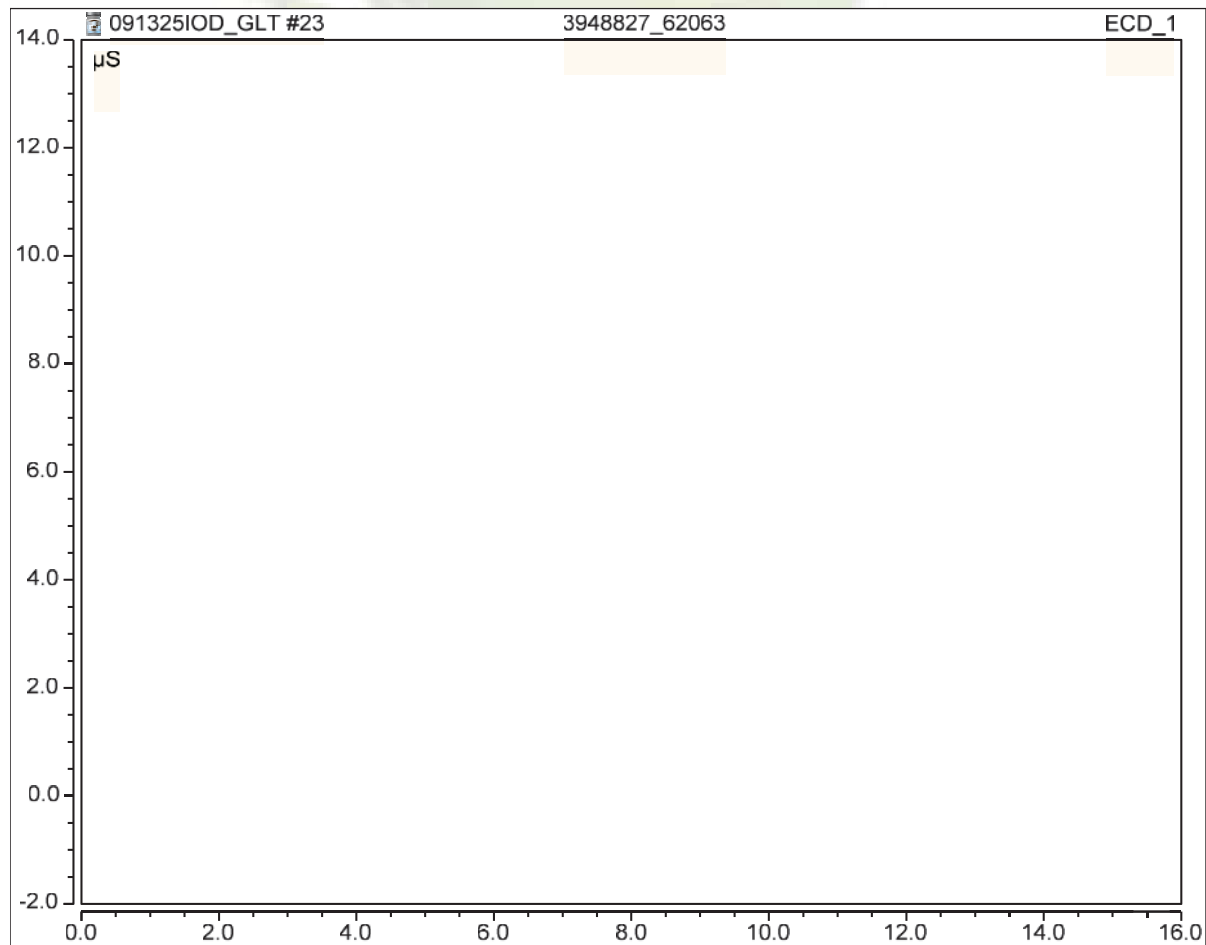
6: L__0B B05B6			
611B 5			
Sample Name:	6: L__0B B05B6	Injection Volume (uL):	0275
Vial Number:	RB8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8L80502 52/04	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.36	g dtto	5.0472	0.168	0.484	BMB



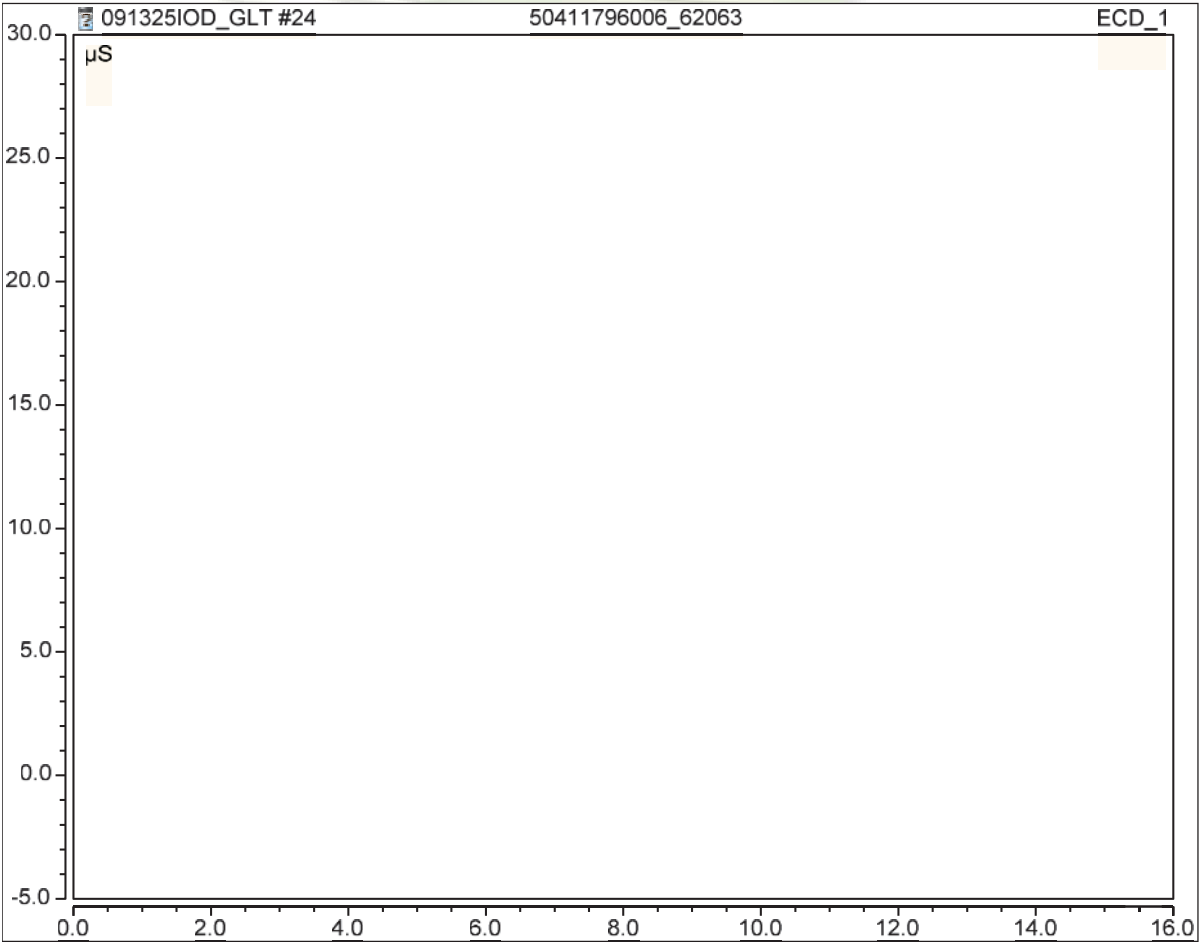
6: L__01 B05B6			
611B 5			
Sample Name:	6: L__01B05B6	Injection Volume (uL):	02755
Vial Number:	RC1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 52/L5	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.37	g dtto	4.9603	0.165	0.477	BMB



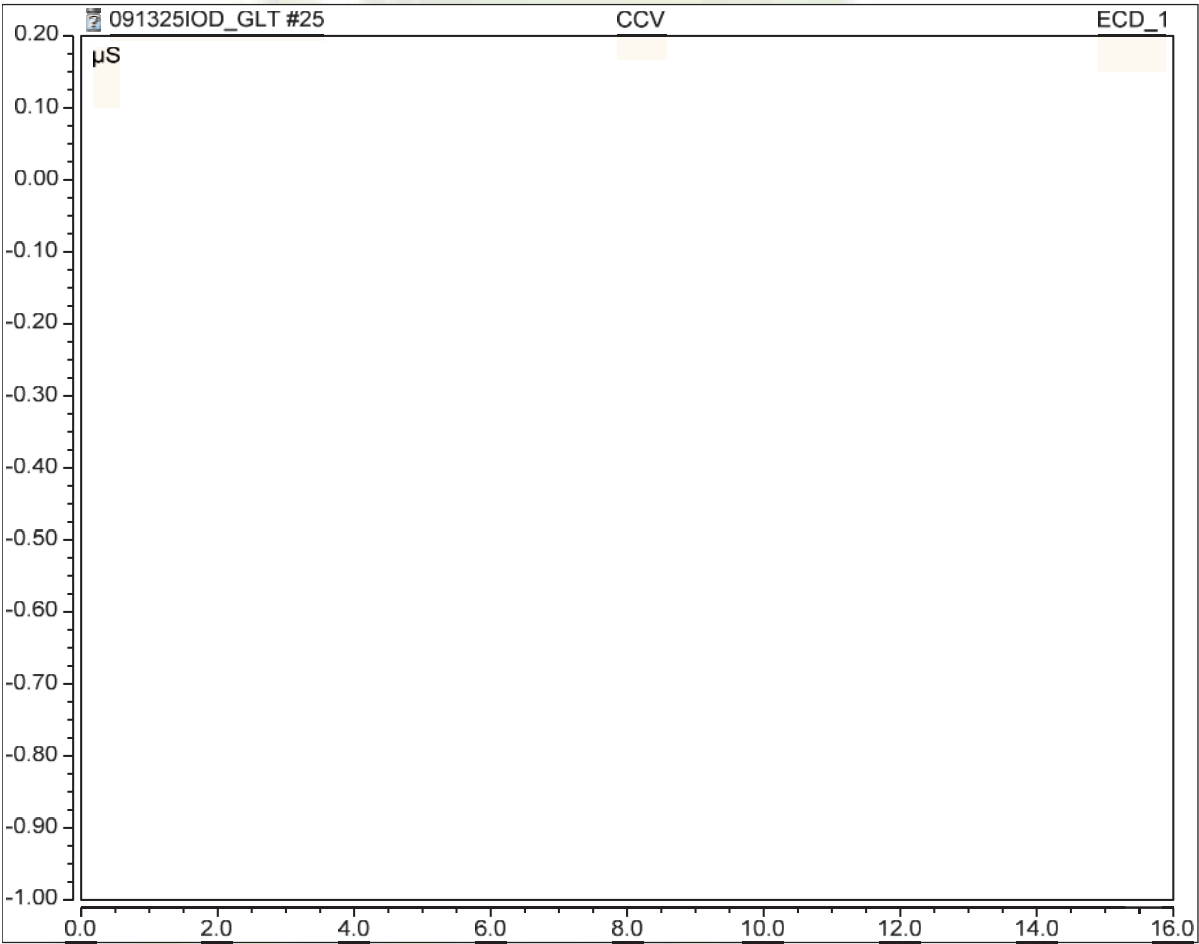
25L441: B55B B05B6			
Sample Name:	25L441: B55B B05B6	Injection Volume (uL):	02755
Vial Number:	RC2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8480502 52/2:	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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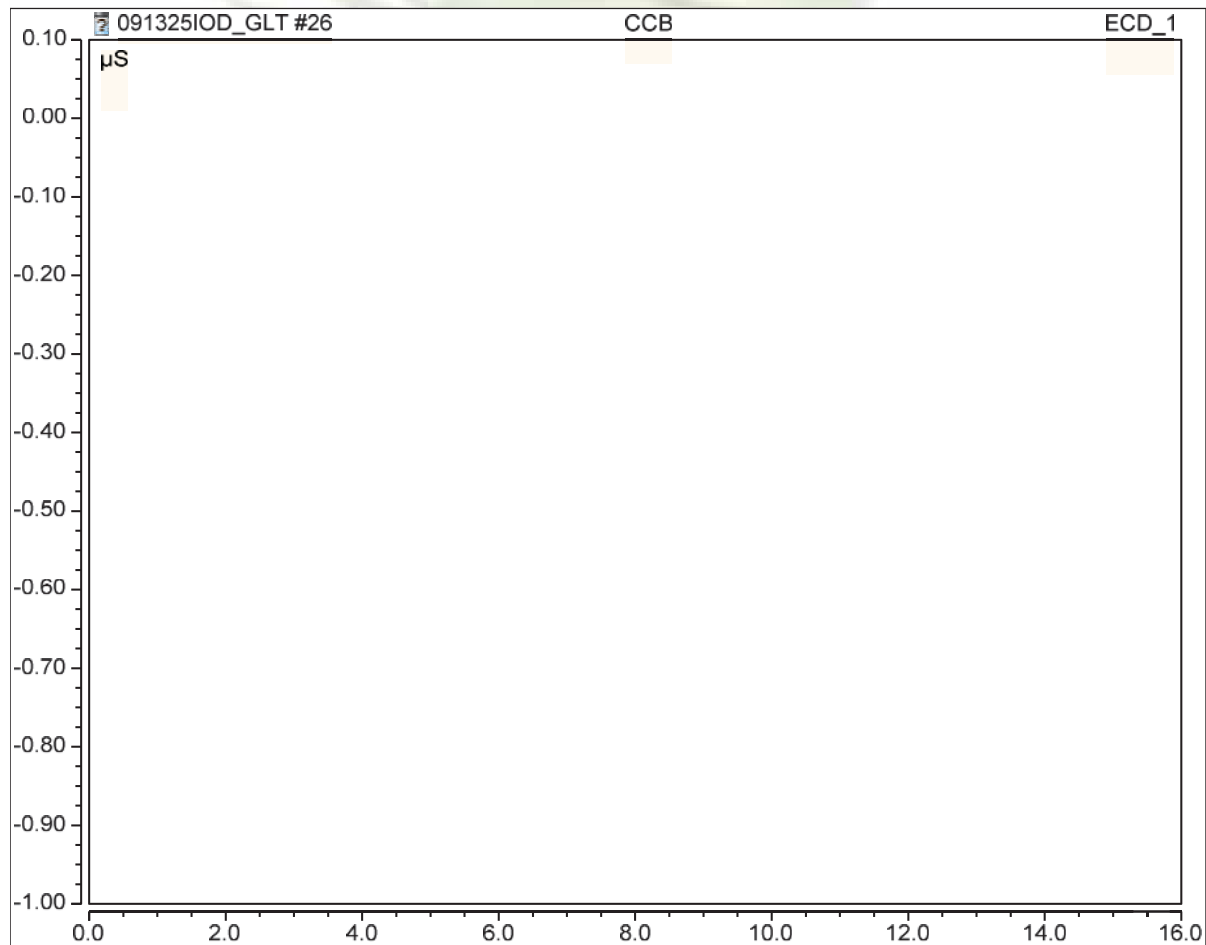
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8L0502 5B/4:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mud μS*i te	r othgR μS	nnyo
1	13.39	g dtto	0.9077	0.031	0.089	BMB



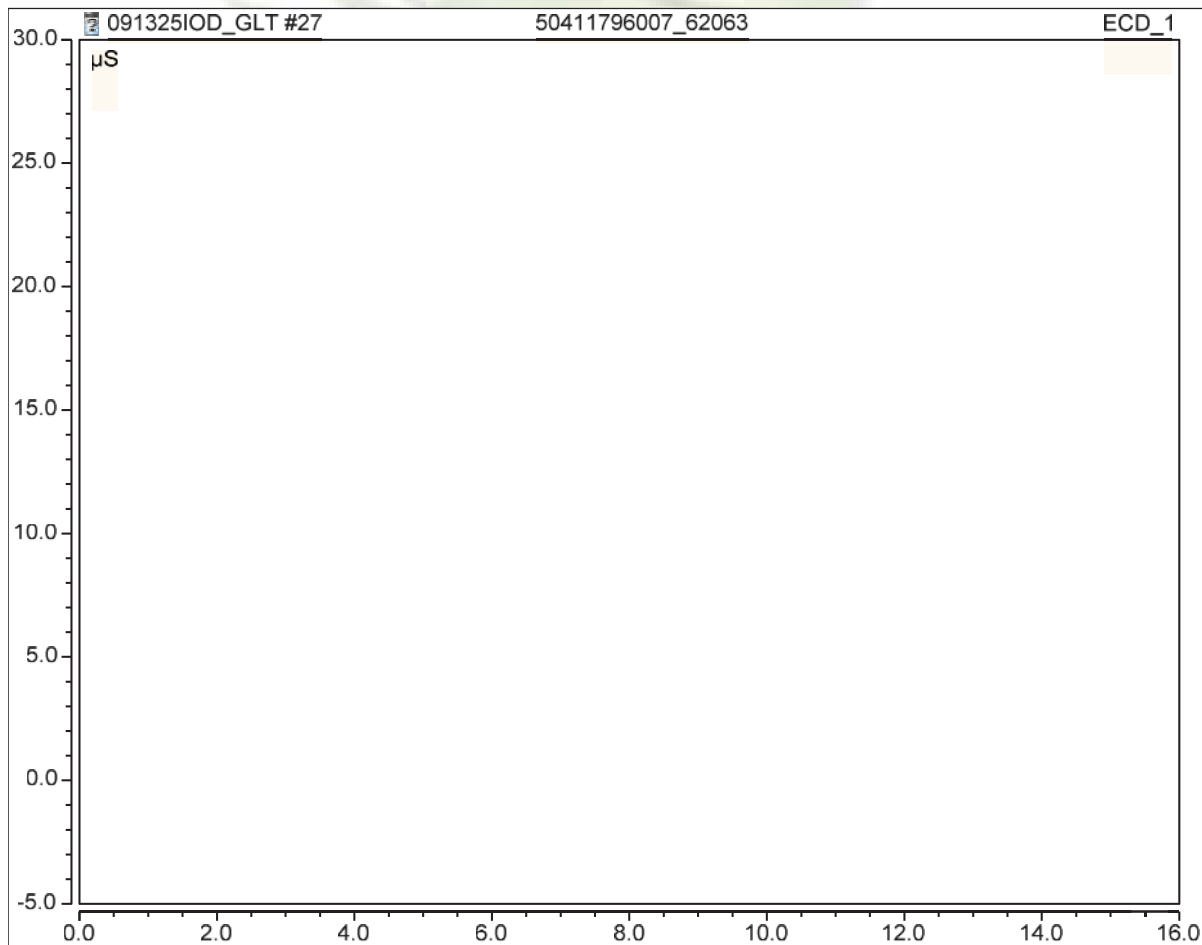
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 5E/6_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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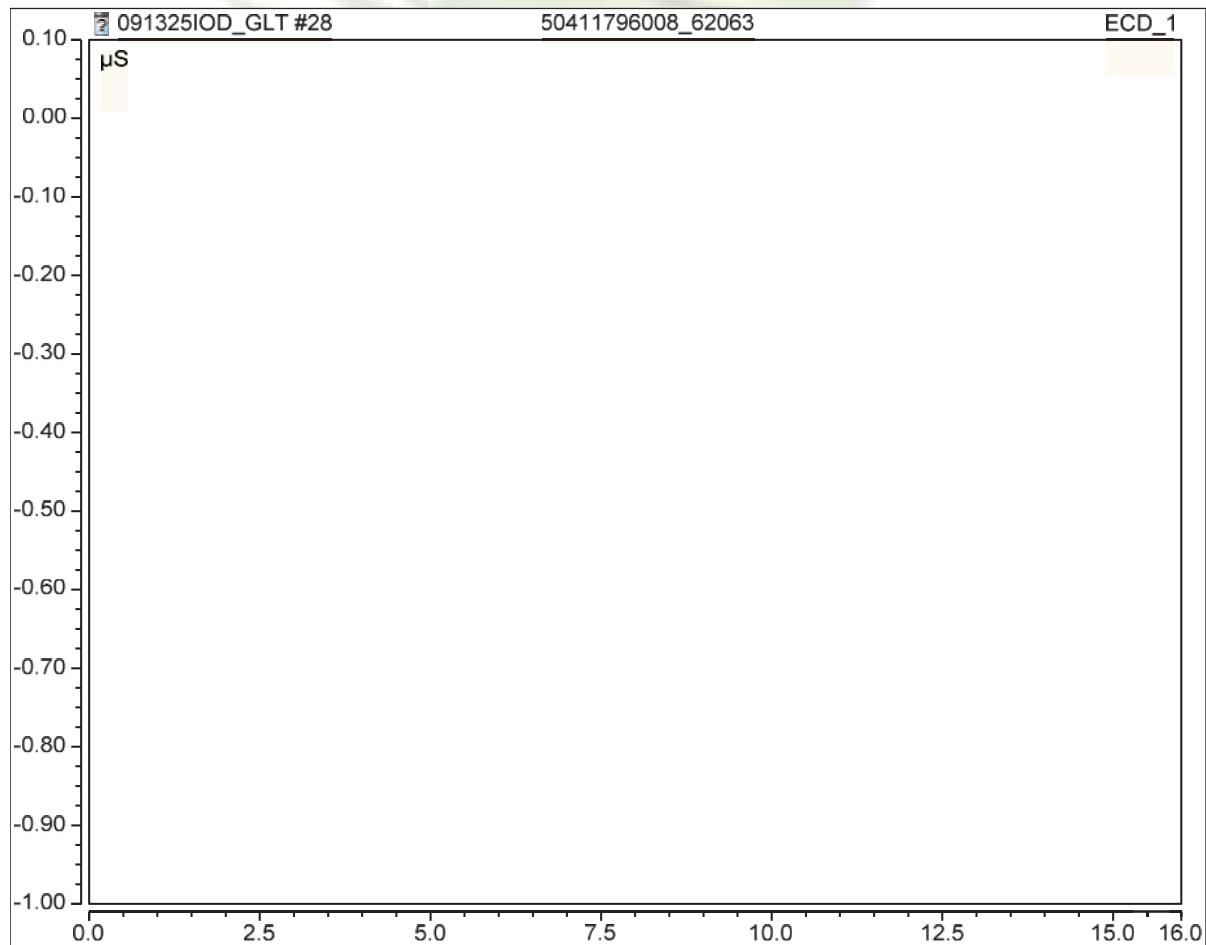
25L441: B551 B05B6			
Sample Name:	25L441: B551B05B6	Injection Volume (uL):	02755
Vial Number:	RC3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8480502 5B/2B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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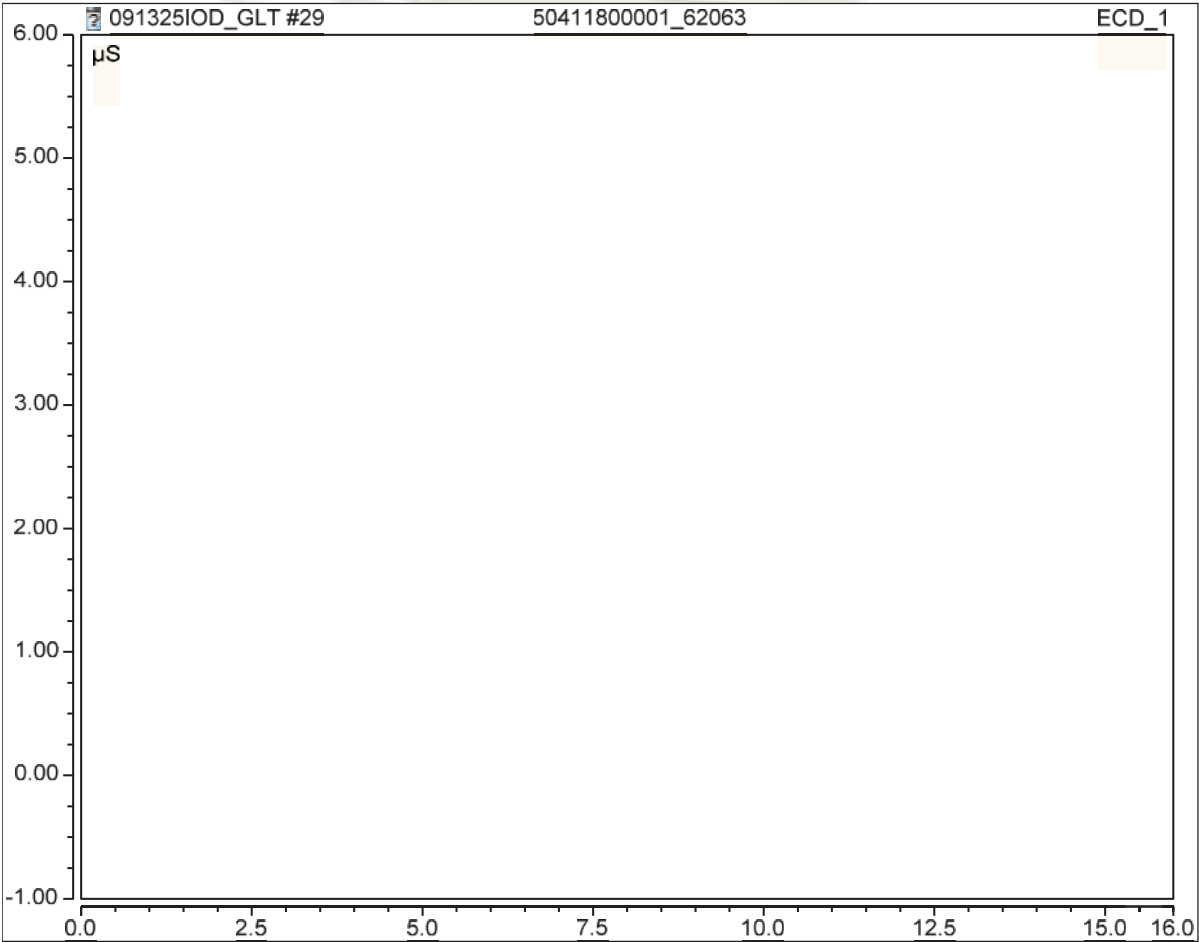
25L441: B55_ B05B6			
Sample Name:	25L441: B55_ B05B6	Injection Volume (uL):	02755
Vial Number:	RC4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8480502 51/4L	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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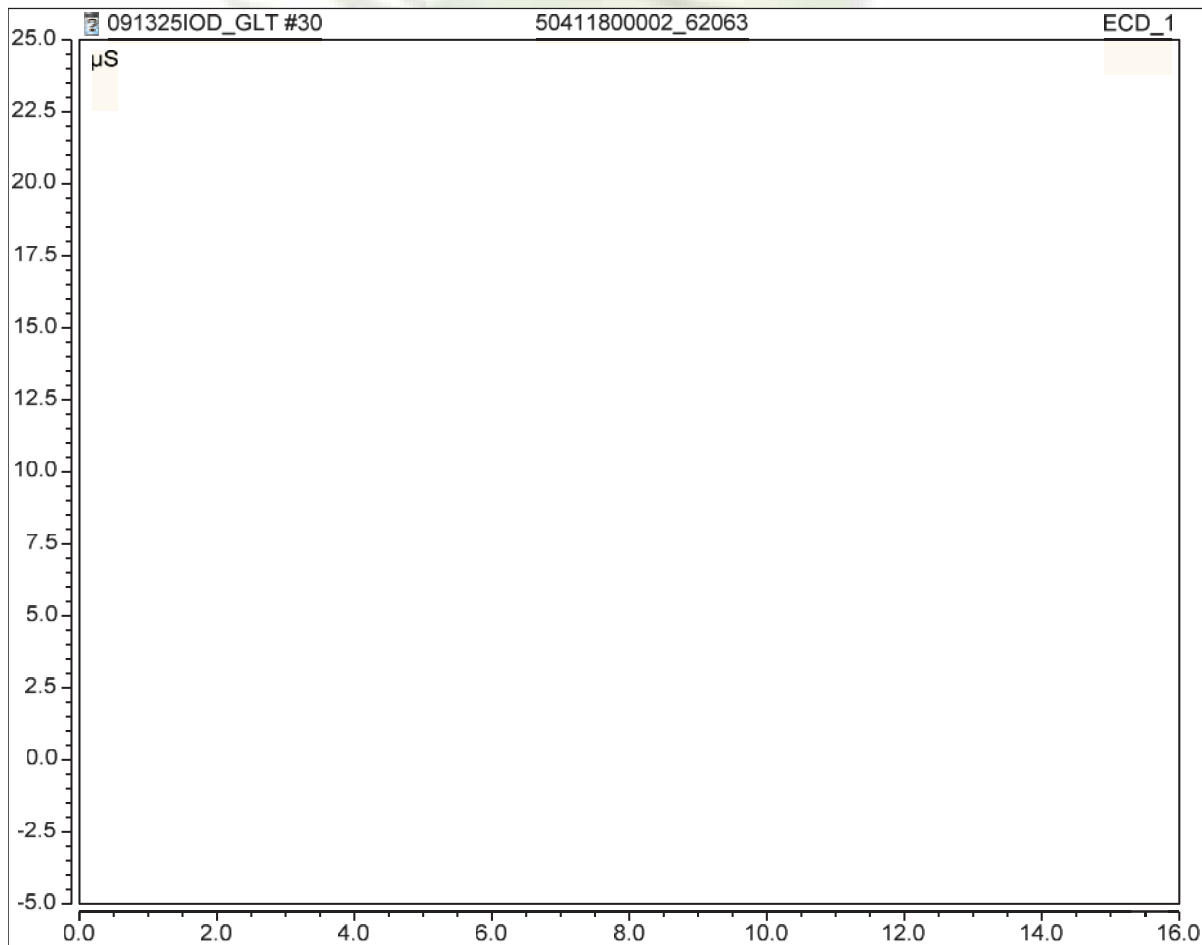
25L44_55554 B05B6			
Sample Name:	25L44_55554B05B6	Injection Volume (uL):	02755
Vial Number:	RC5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 51/66	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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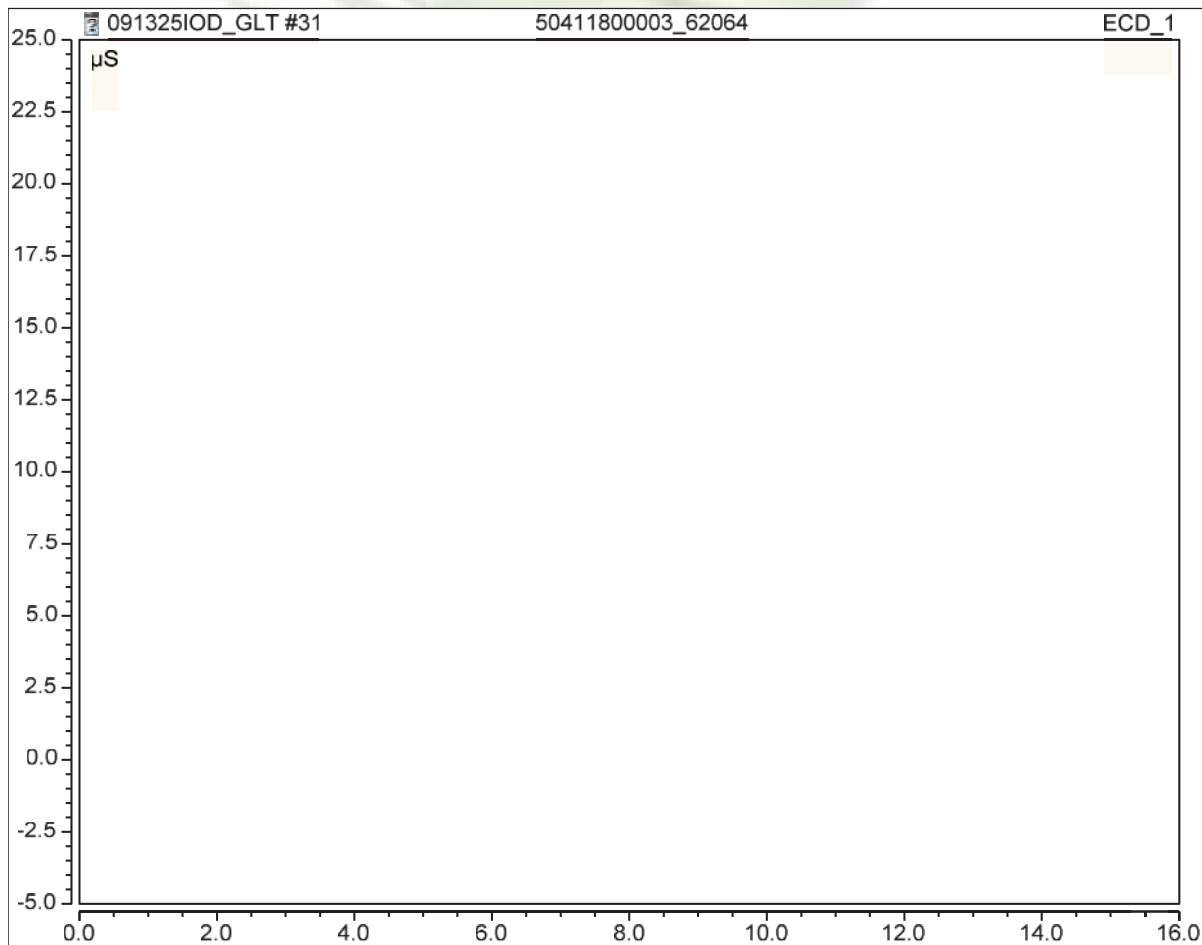
25L44_55550 B05B6			
Sample Name:	25L44_55550B05B6	Injection Volume (uL):	02755
Vial Number:	RC6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 51/24	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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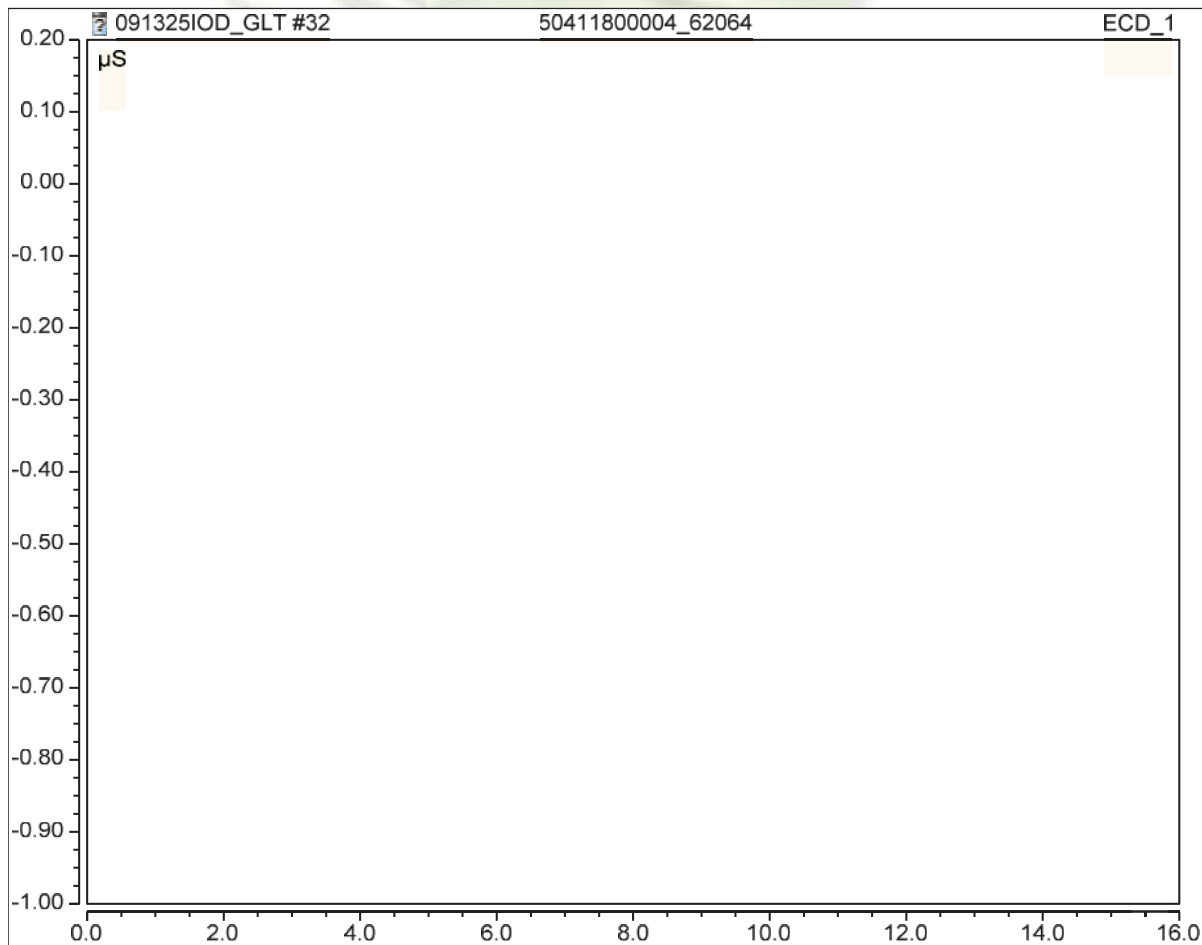
25L44_55556 B05BL			
Sample Name:	25L44_55556B05BL	Injection Volume (uL):	02755
Vial Number:	RC7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 5_/5:	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

31 7	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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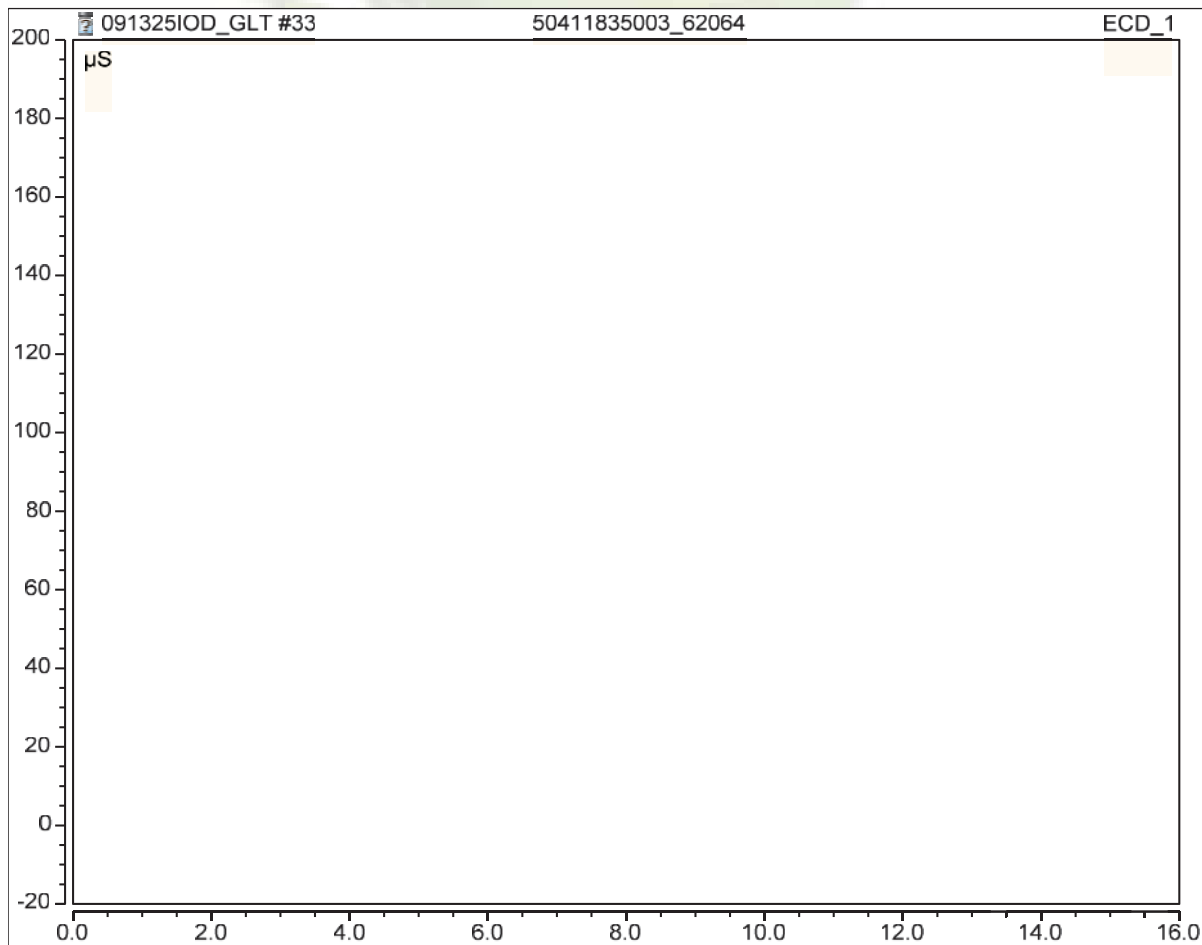
25L44_5555L B05BL			
Sample Name:	25L44_5555LB05BL	Injection Volume (uL):	0275
Vial Number:	RC8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 5_10_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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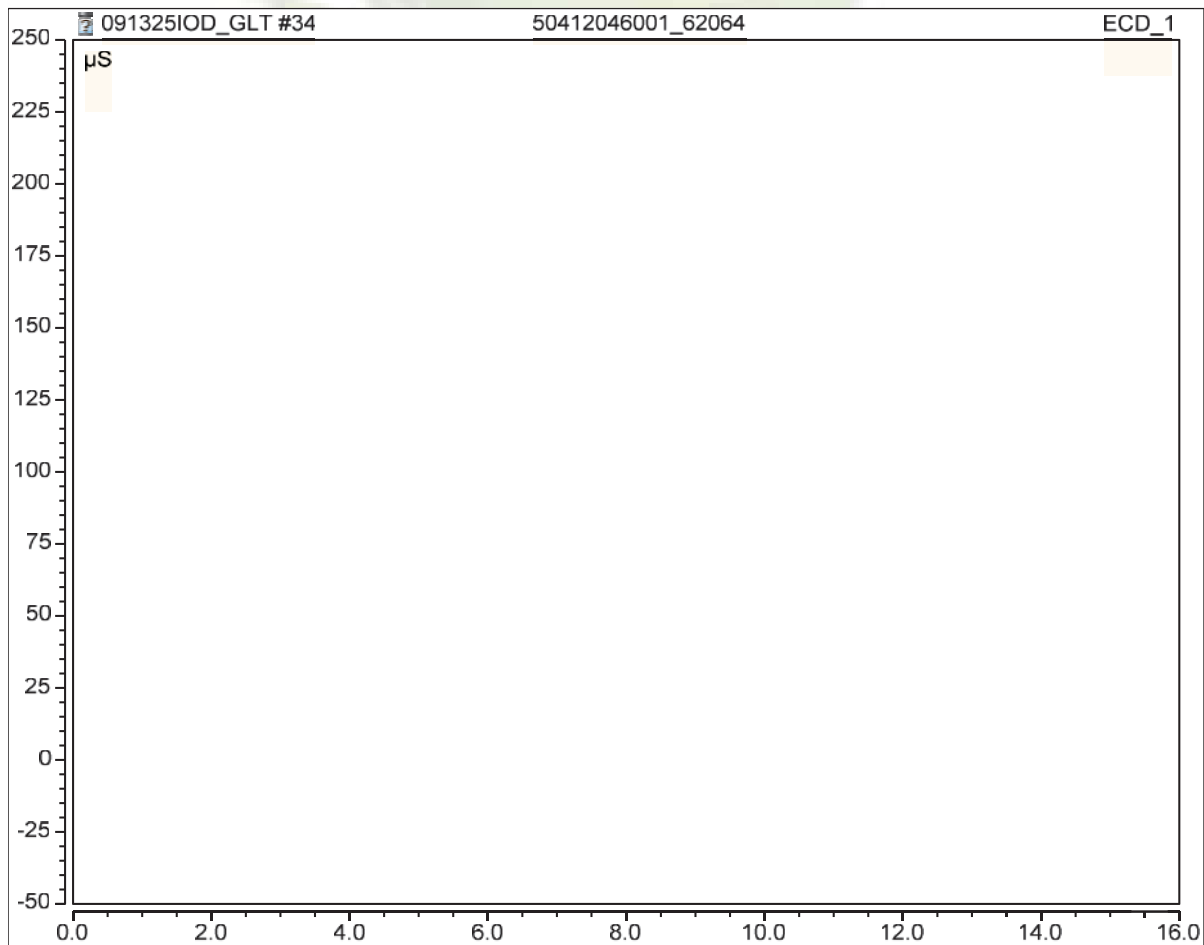
25L44_62556 B05BL			
Sample Name:	25L44_62556B05BL	Injection Volume (uL):	02755
Vial Number:	RD1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 5_/LB	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.40	g dtto	0.0446	0.002	0.007	BMB



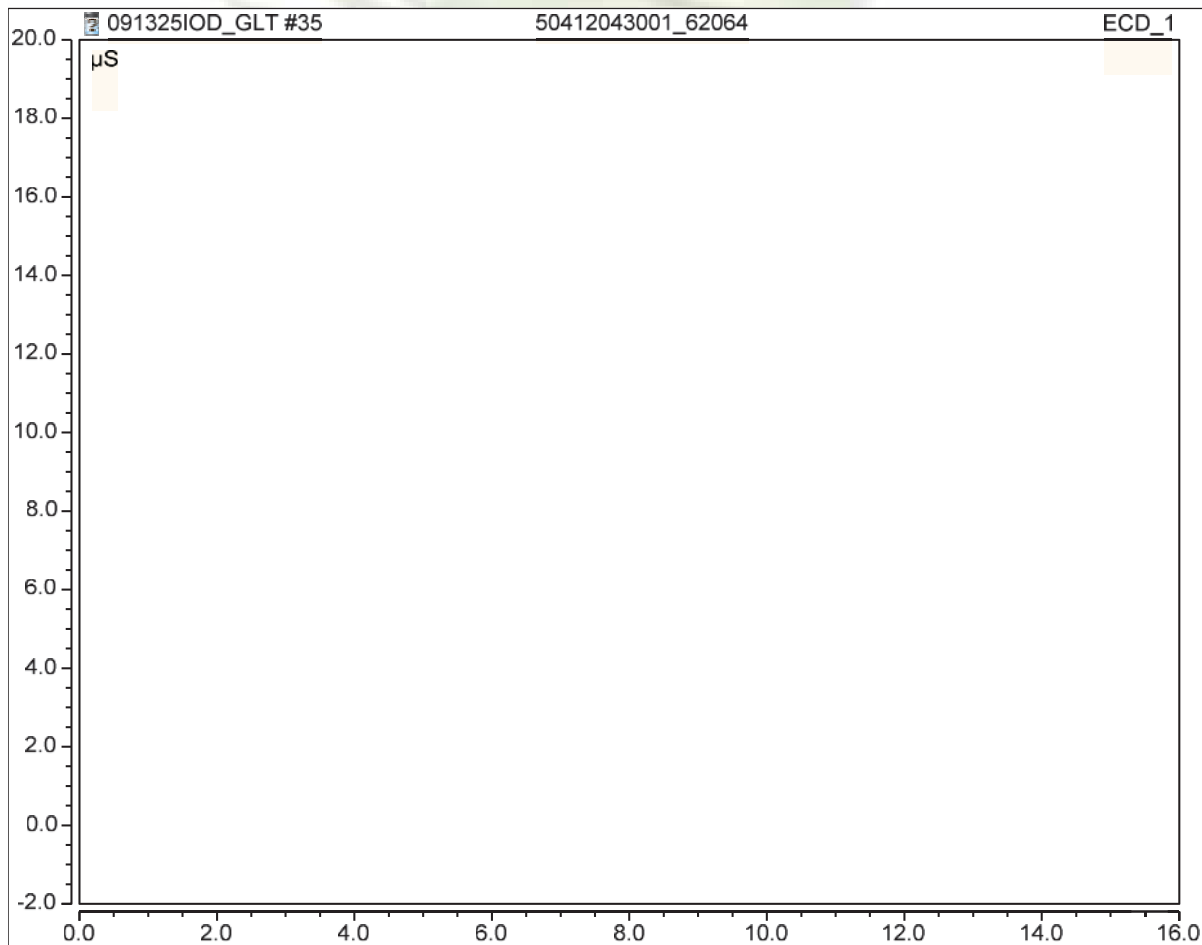
25L405LB554 B05BL			
Sample Name:	25L405LB554B05BL	Injection Volume (uL):	02755
Vial Number:	RD2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 5: /5L	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.38	g dtto	0.0356	0.002	0.005	BMB



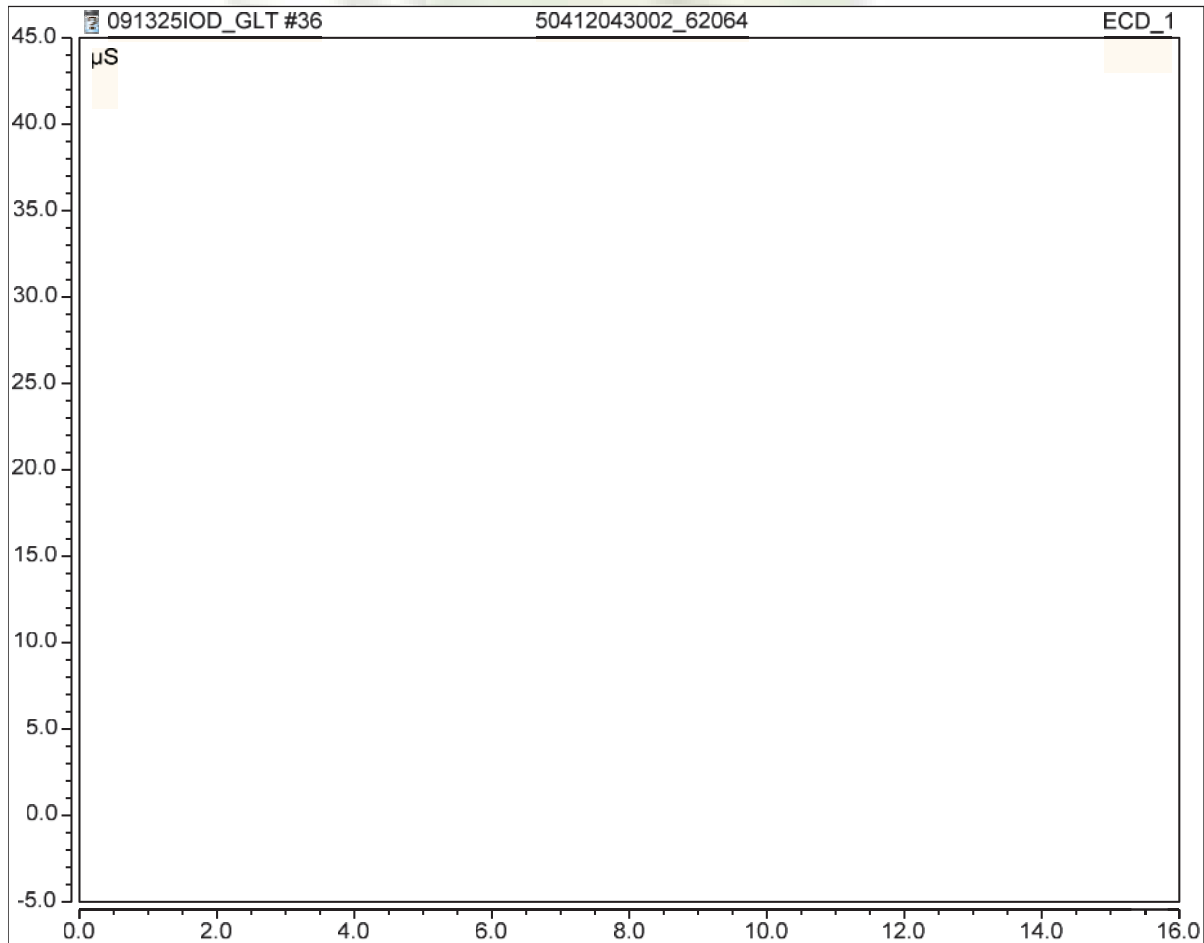
25L405L6554 B05BL			
Sample Name:	25L405L6554B05BL	Injection Volume (uL):	02755
Vial Number:	RD3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8480502 5: /06	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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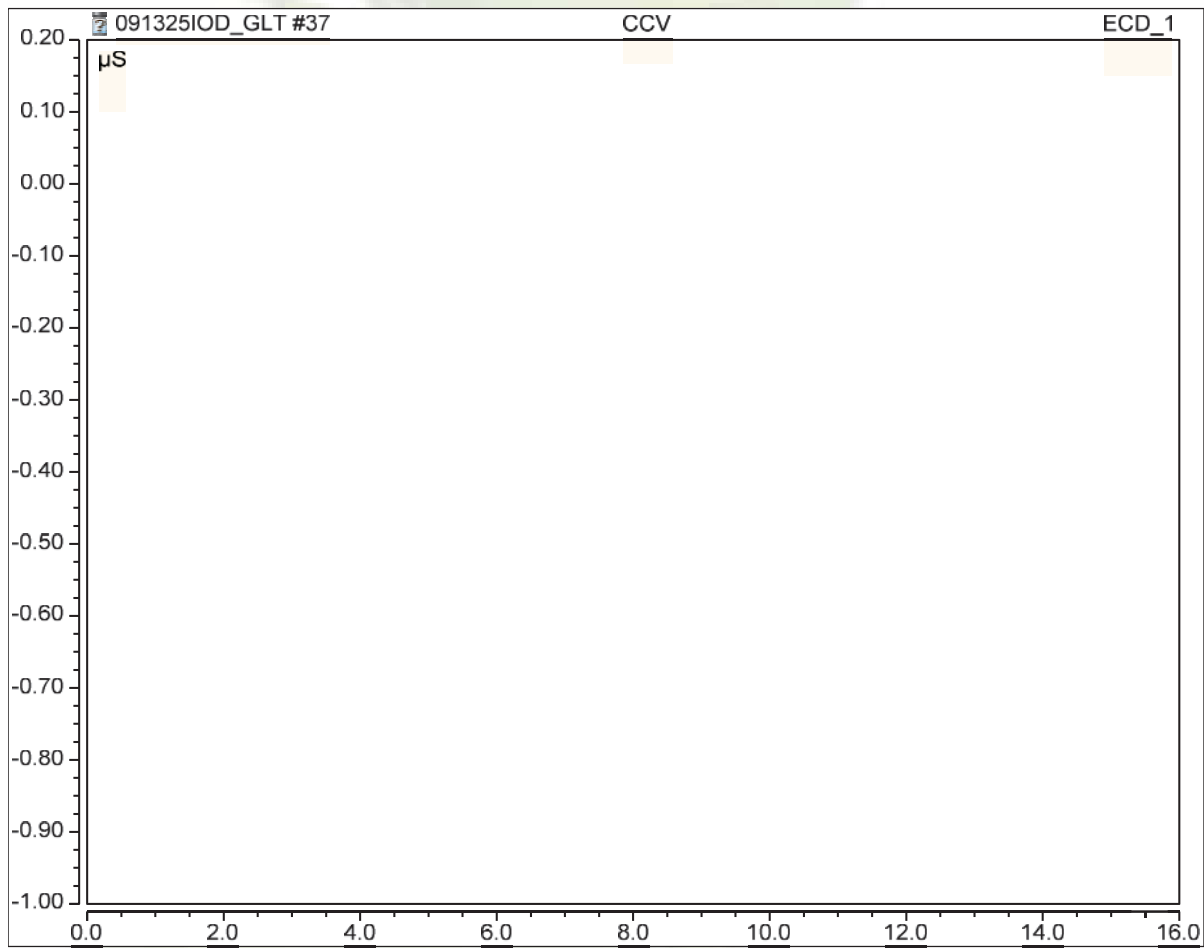
25L405L6550 B05BL			
Sample Name:	25L405L6550B05BL	Injection Volume (uL):	02755
Vial Number:	RD4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 5: /L4	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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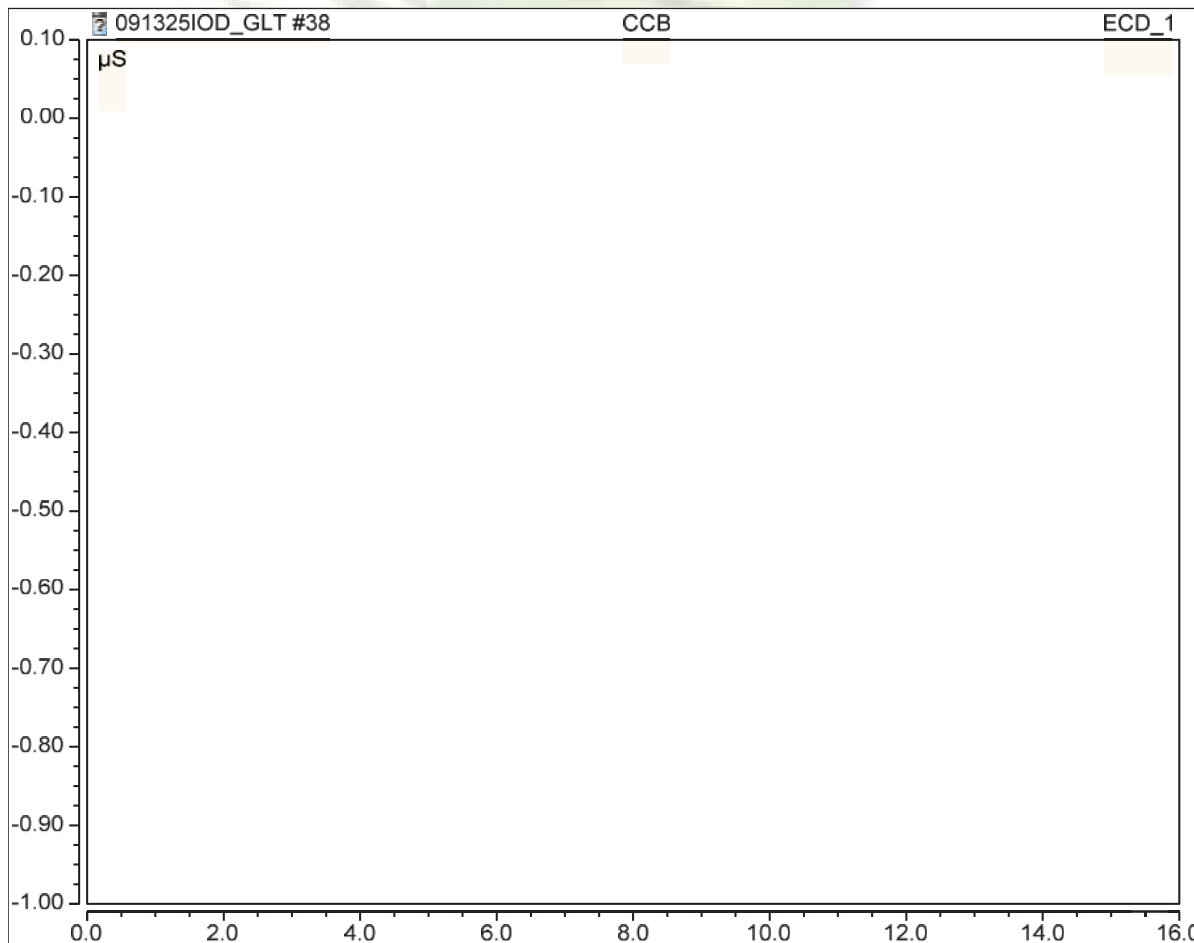
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	0.255
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8440502 5: 12:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.40	g dtto	0.9292	0.031	0.089	BMB



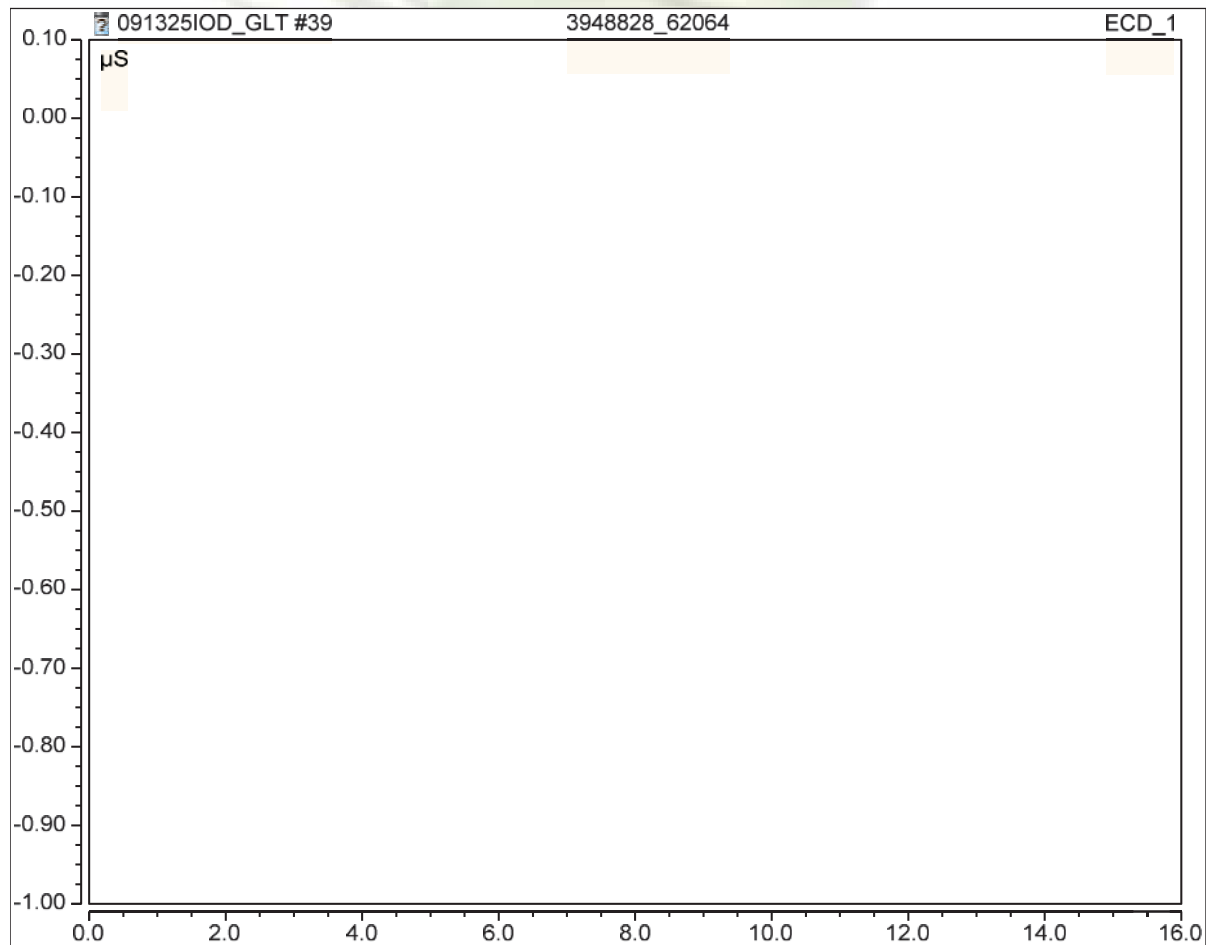
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84402 45/41	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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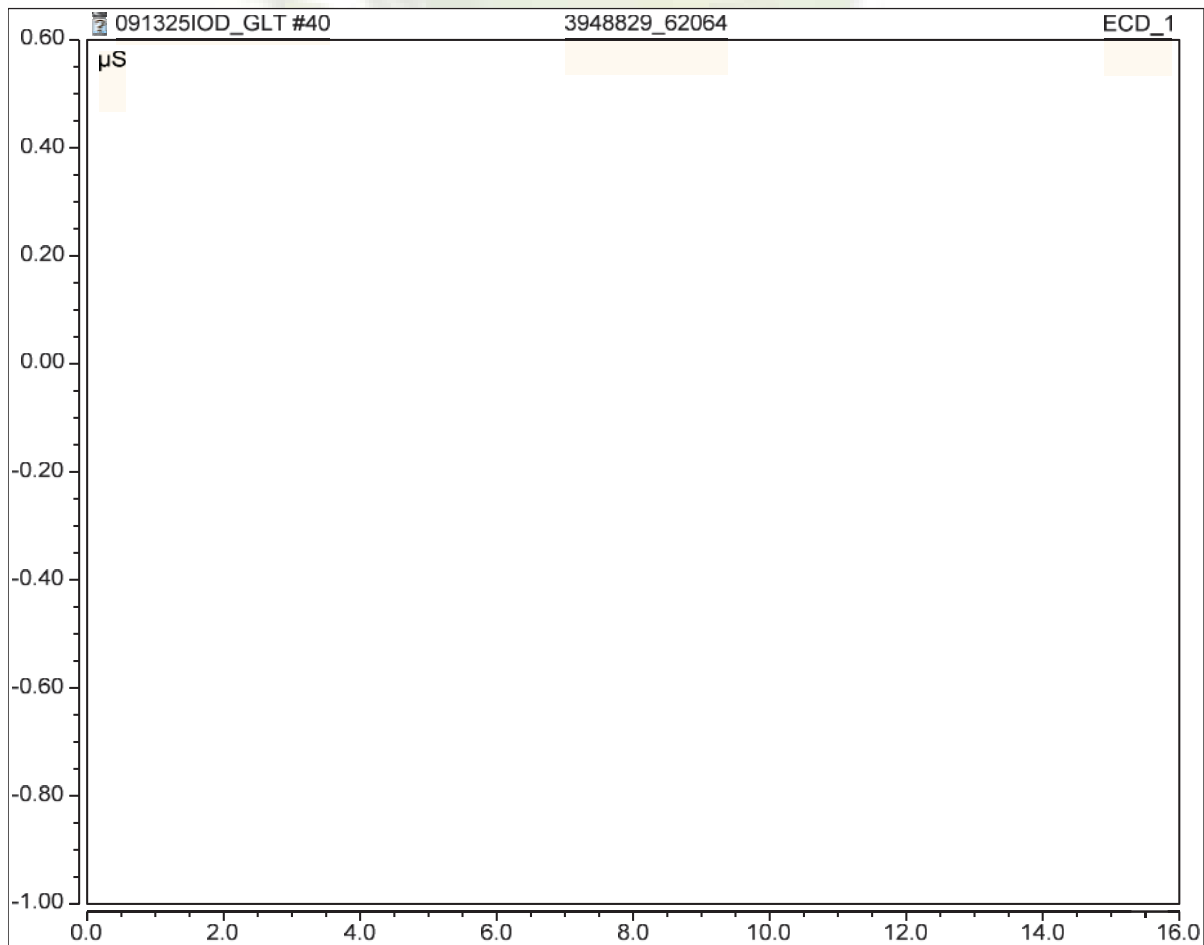
6: L__0_ B05BL			
6L5444			
Sample Name:	6: L__0_ B05BL	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84402 45/6B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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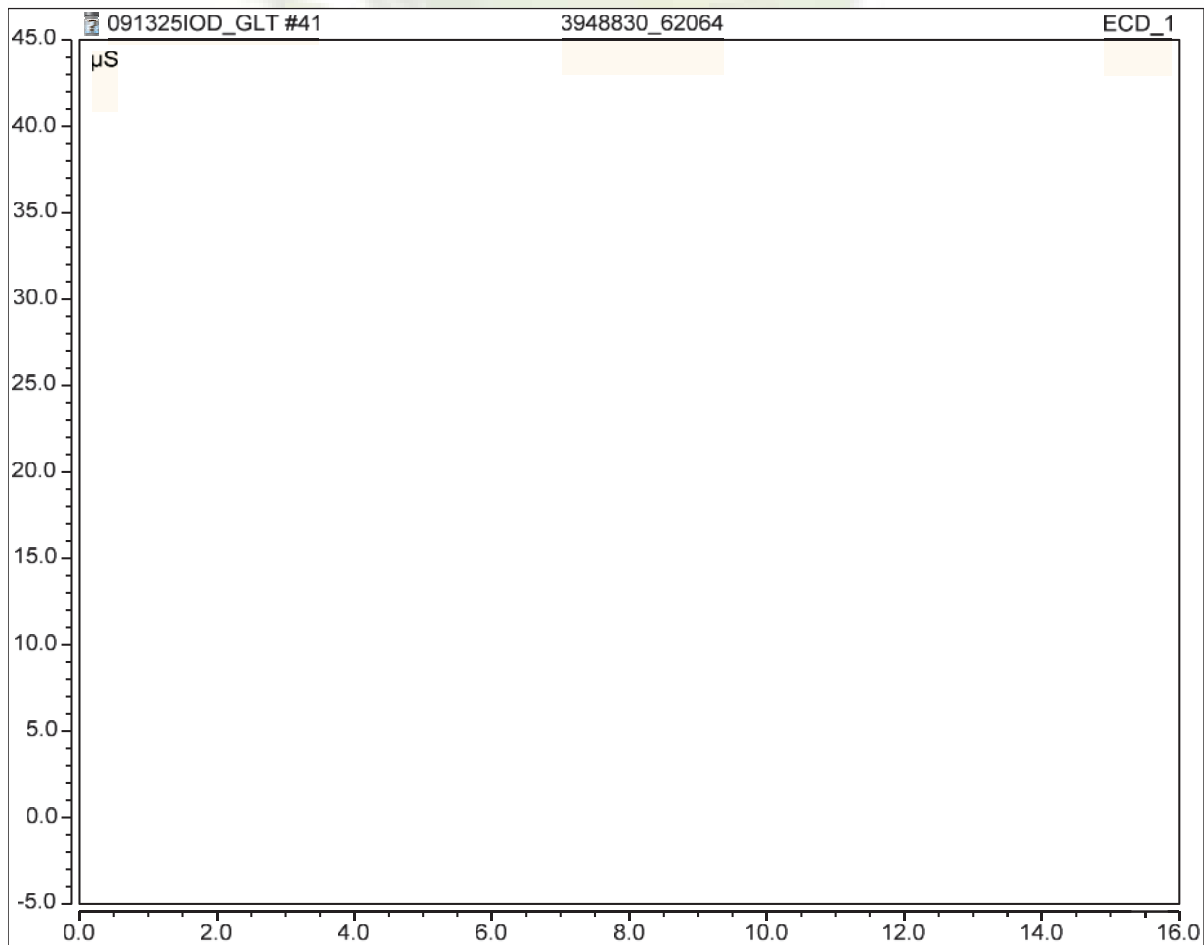
6: L__0: B05BL			
611B 5			
Sample Name:	6: L__0: B05BL	Injection Volume (uL):	0275
Vial Number:	B3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 45/2L	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.37	g dtto	4.9910	0.166	0.479	BMB



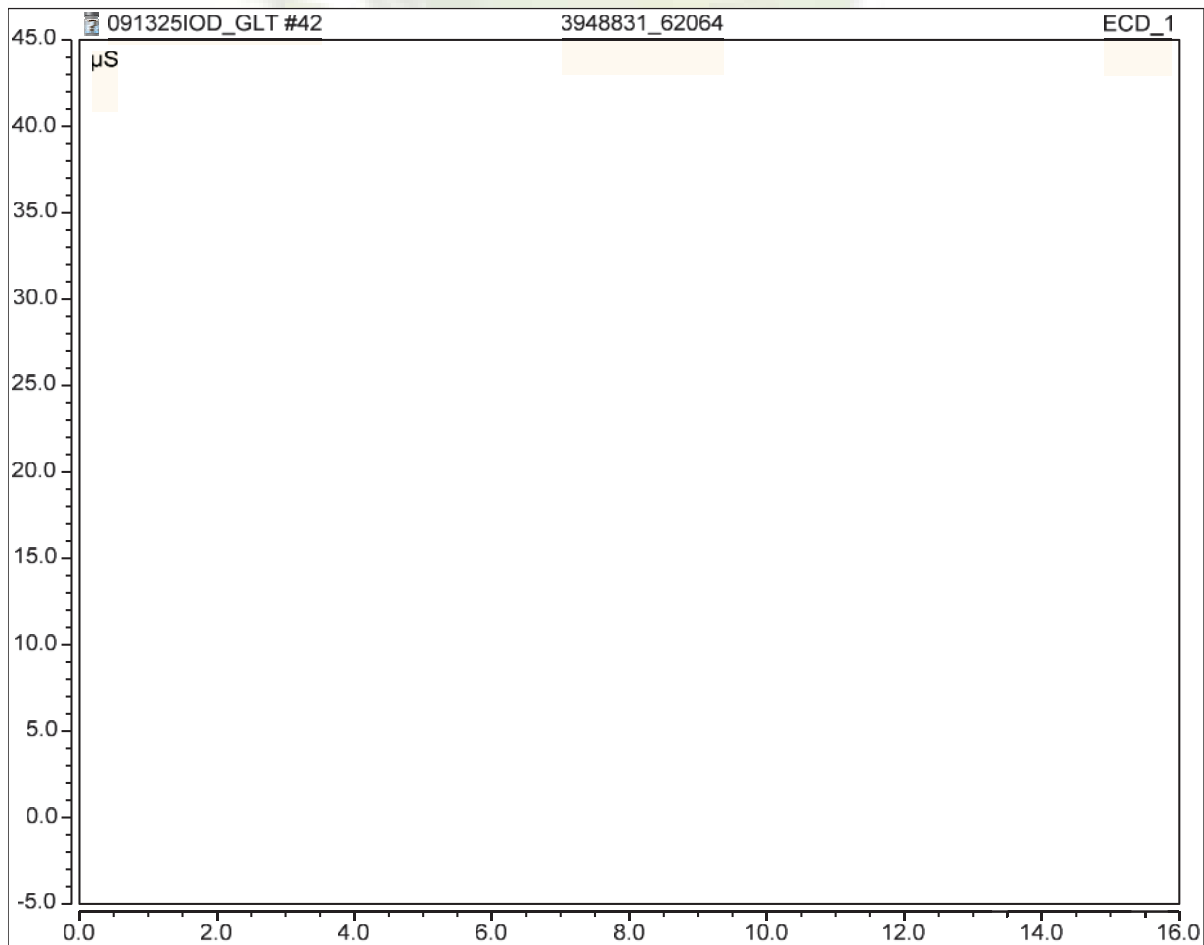
6: L__65 B05BL			
611B 5			
Sample Name:	6: L__65B05BL	Injection Volume (uL):	02755
Vial Number:	RD5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 44/40	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.40	g dtto	4.9665	0.165	0.473	BMB



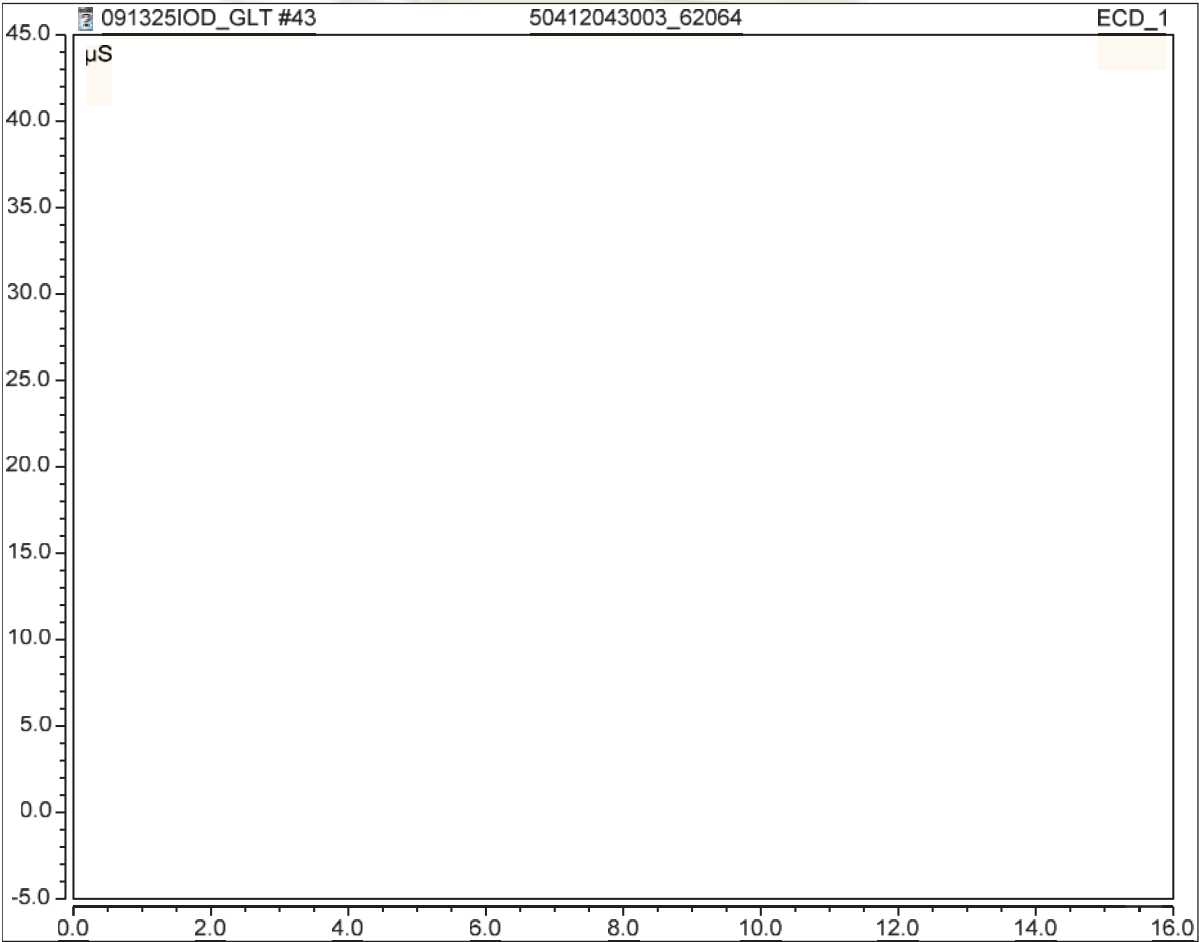
6: L__64 B05BL			
611B 5			
Sample Name:	6: L__64B05BL	Injection Volume (uL):	02755
Vial Number:	RD6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 44/64	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

31 7	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.41	g dtto	4.9729	0.165	0.474	BMB



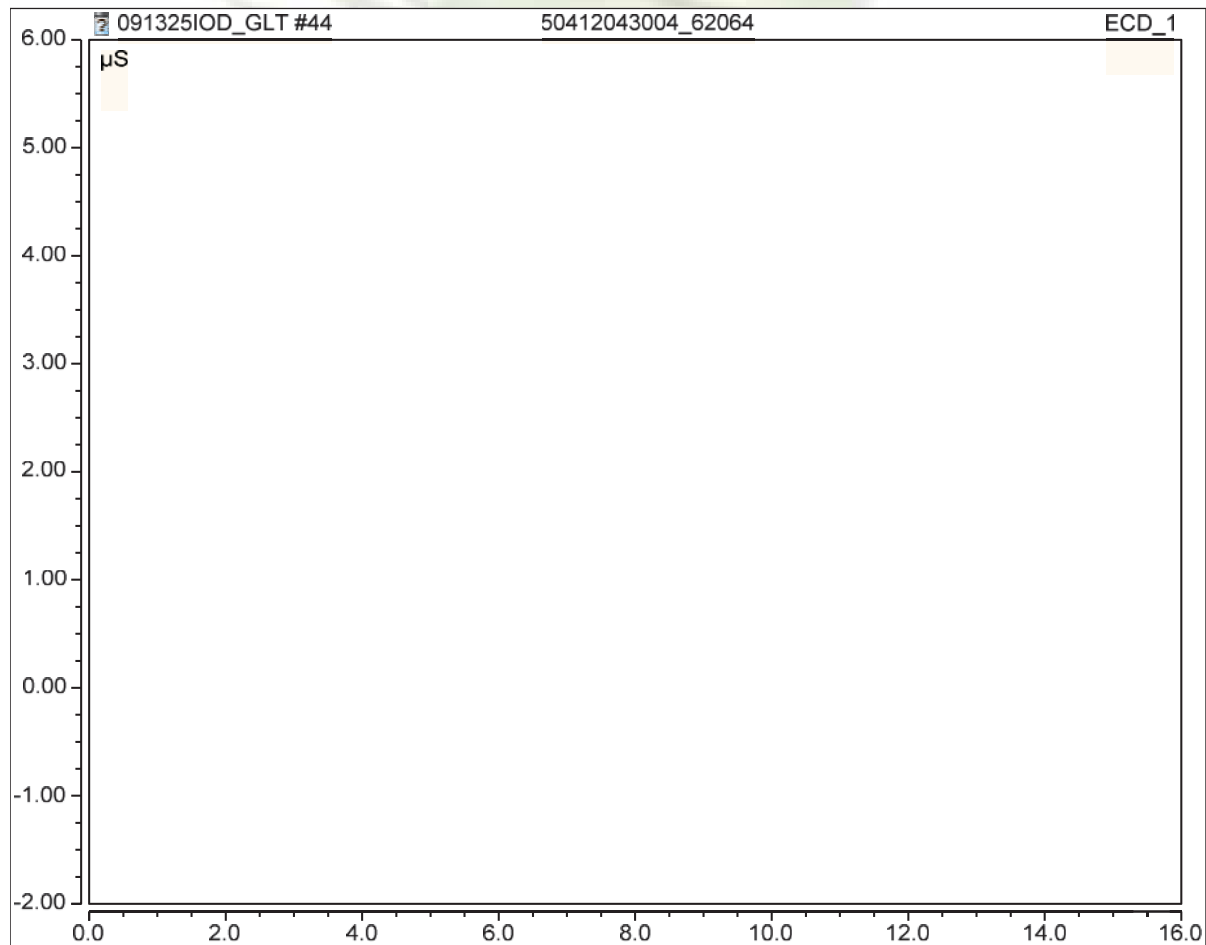
25L405L6556 B05BL			
Sample Name:	25L405L6556B05BL	Injection Volume (uL):	02755
Vial Number:	RD7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 44/L:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR e7T7	muT μS*i te	r othgR μS	nnyo
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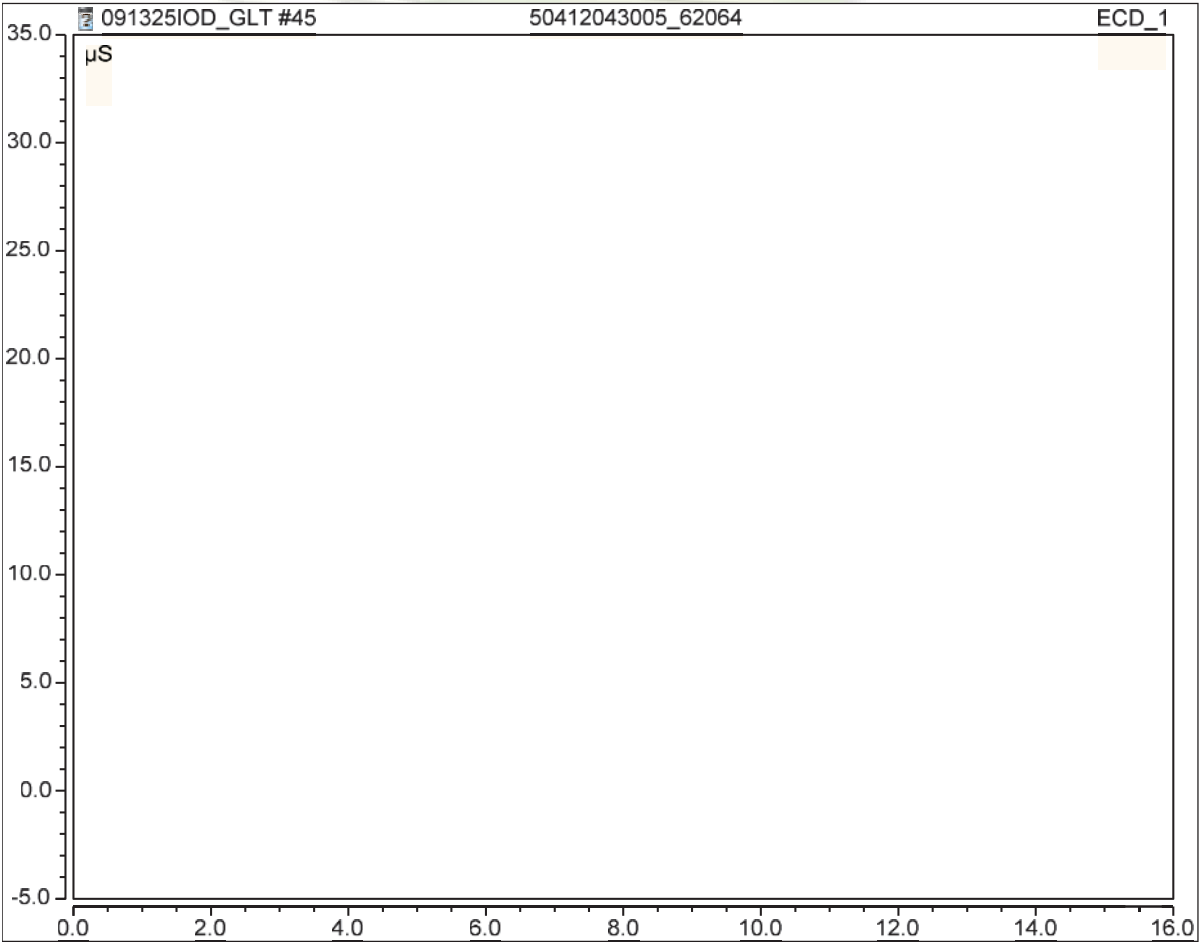
25L405L655L B05BL			
Sample Name:	25L405L655LDB05BL	Injection Volume (uL):	0275
Vial Number:	RD8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 40/51	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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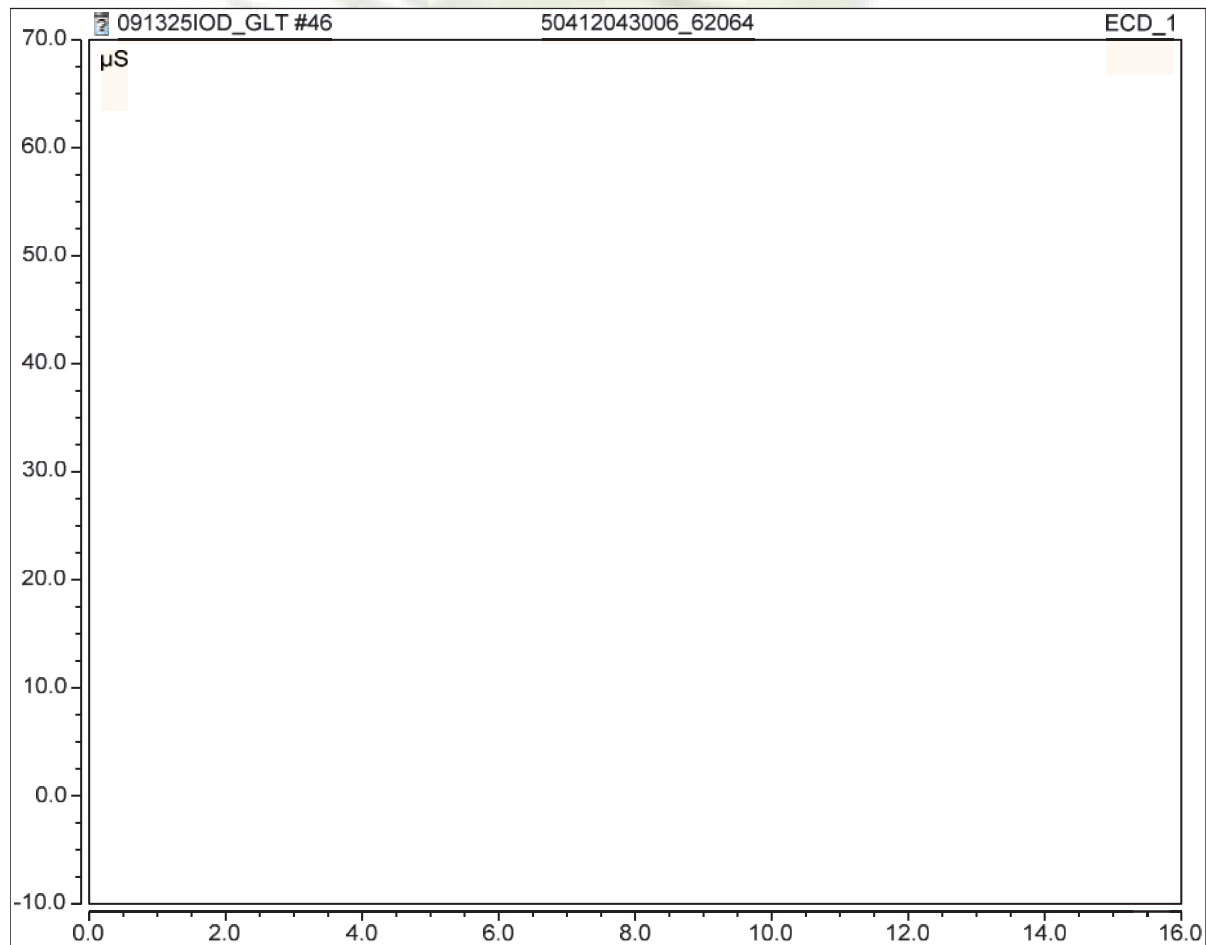
25L405L6552 B05BL			
Sample Name:	25L405L6552B05BL	Injection Volume (uL):	0275
Vial Number:	RE1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 40/02	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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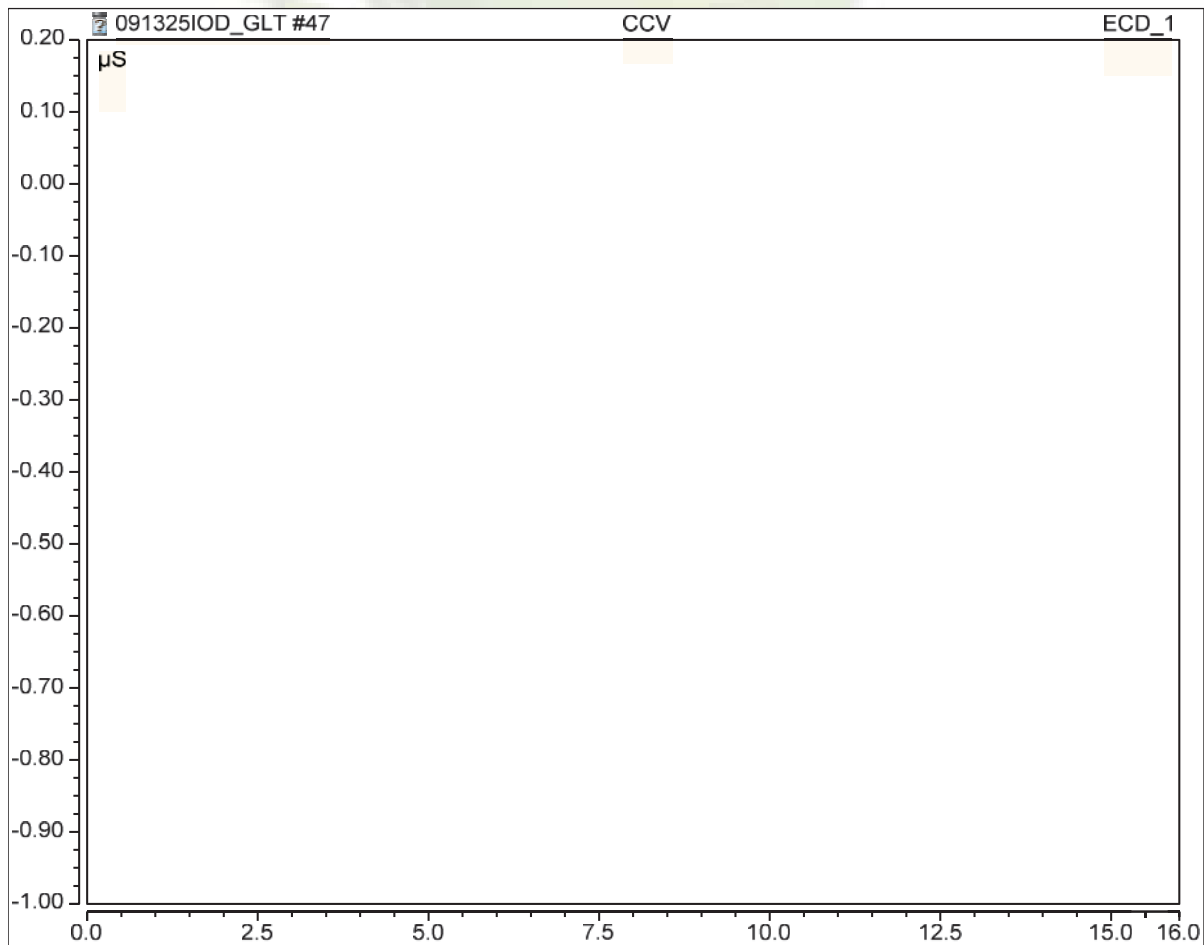
25L405L655B B05BL			
Sample Name:	25L405L655BDB05BL	Injection Volume (uL):	02755
Vial Number:	RE2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 40/LL	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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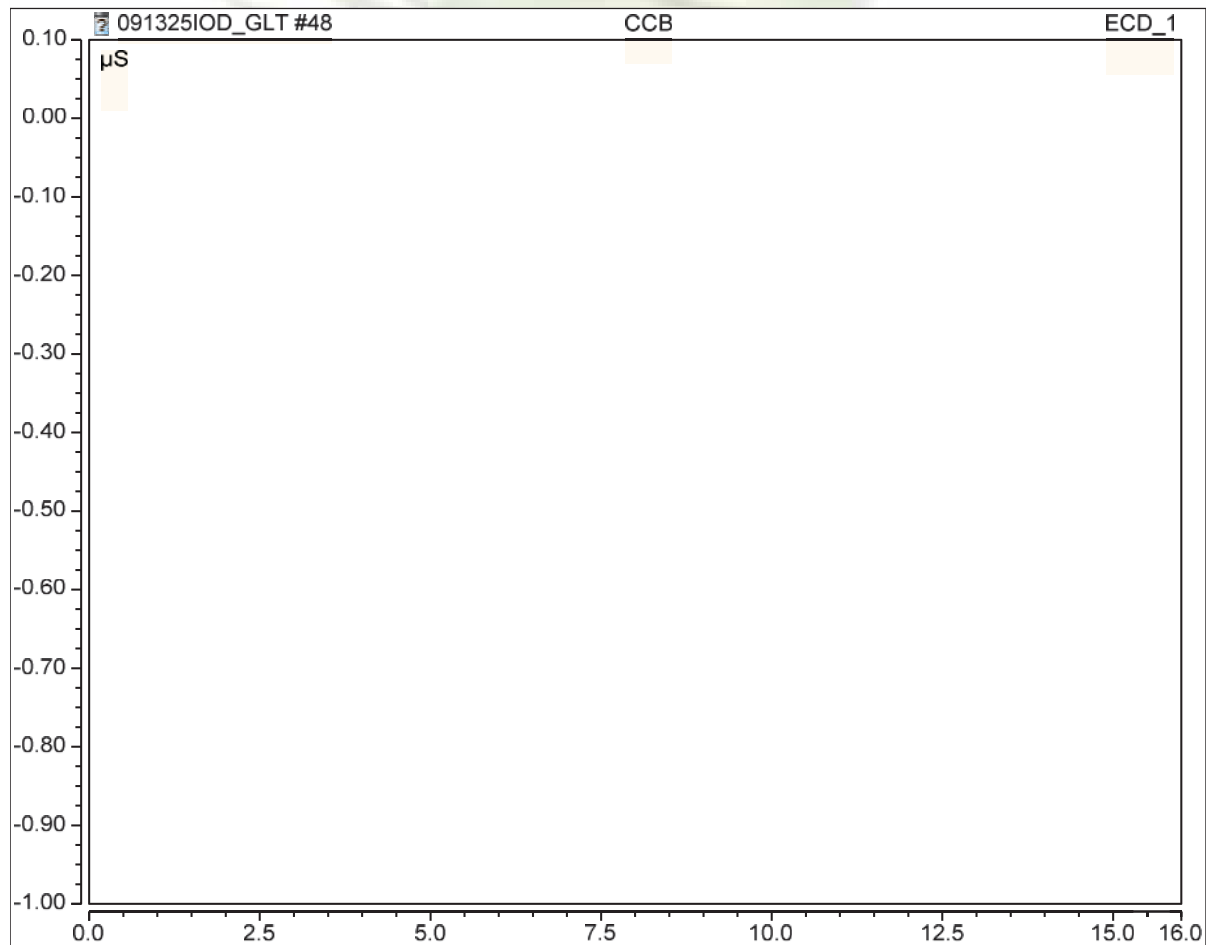
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 46/50	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.39	g dtto	0.9586	0.032	0.090	BMB



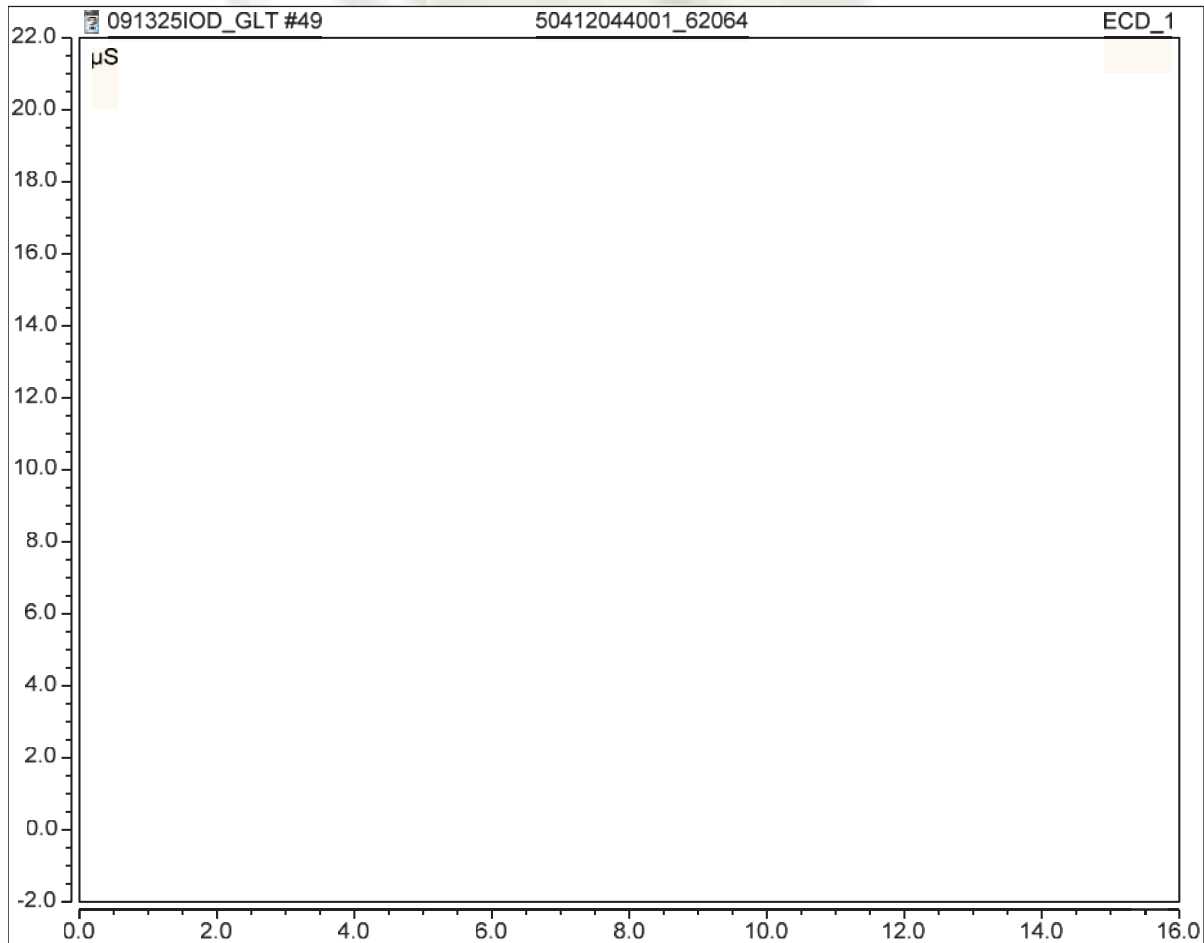
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	0275
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 46/05	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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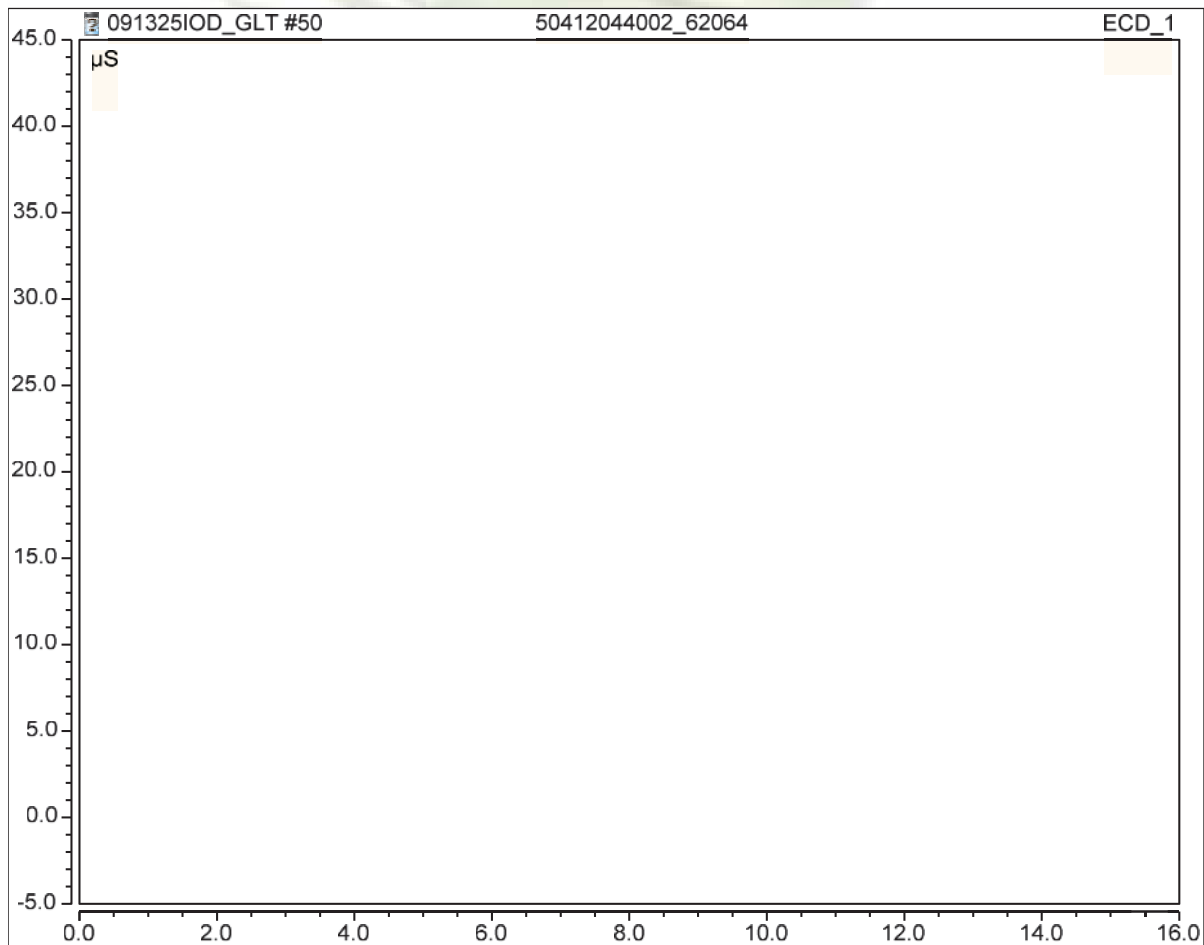
25L405LL554 B05BL			
Sample Name:	25L405LL554B05BL	Injection Volume (uL):	02755
Vial Number:	RE3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 46/6:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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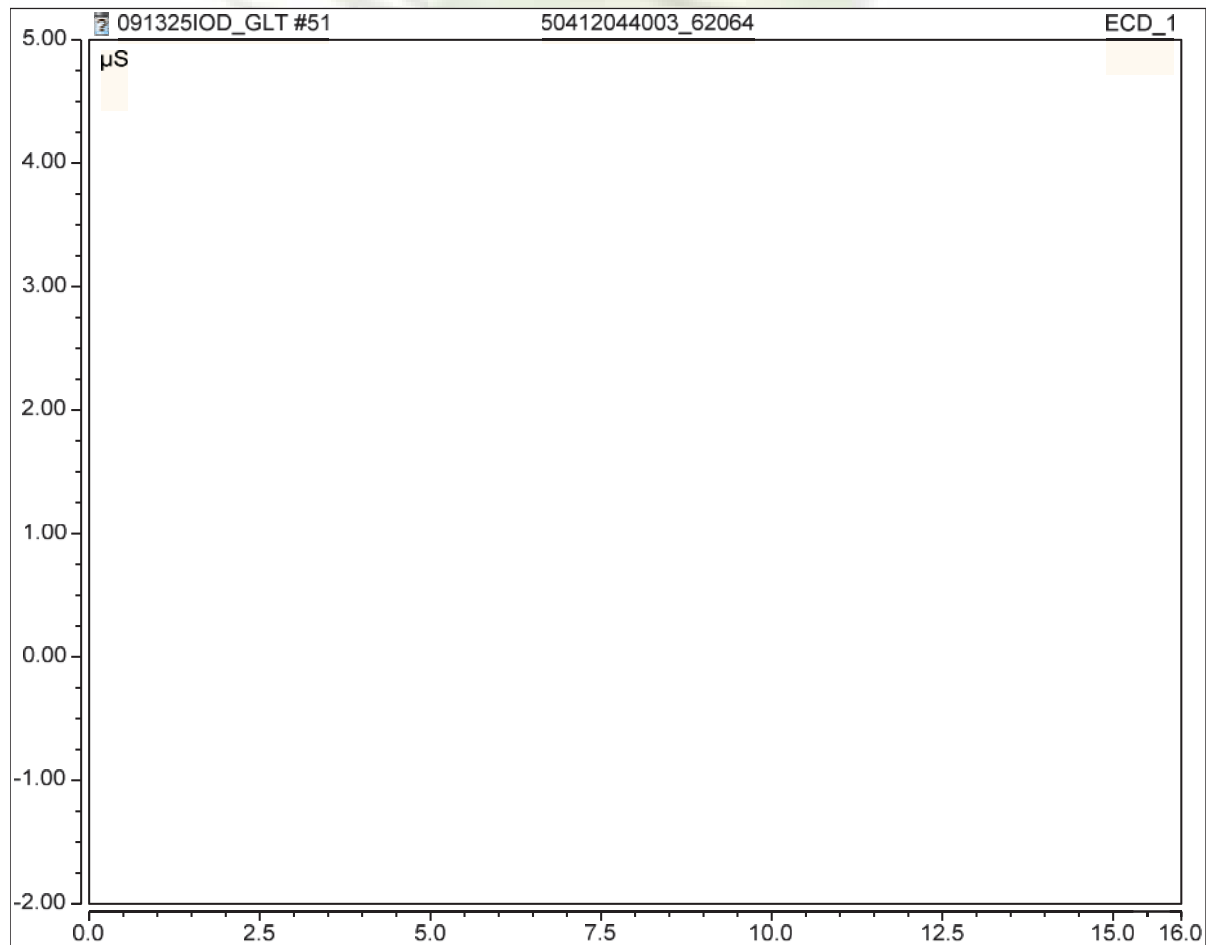
25L405LL550 B05BL			
Sample Name:	25L405LL550B05BL	Injection Volume (uL):	02755
Vial Number:	RE4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 46/21	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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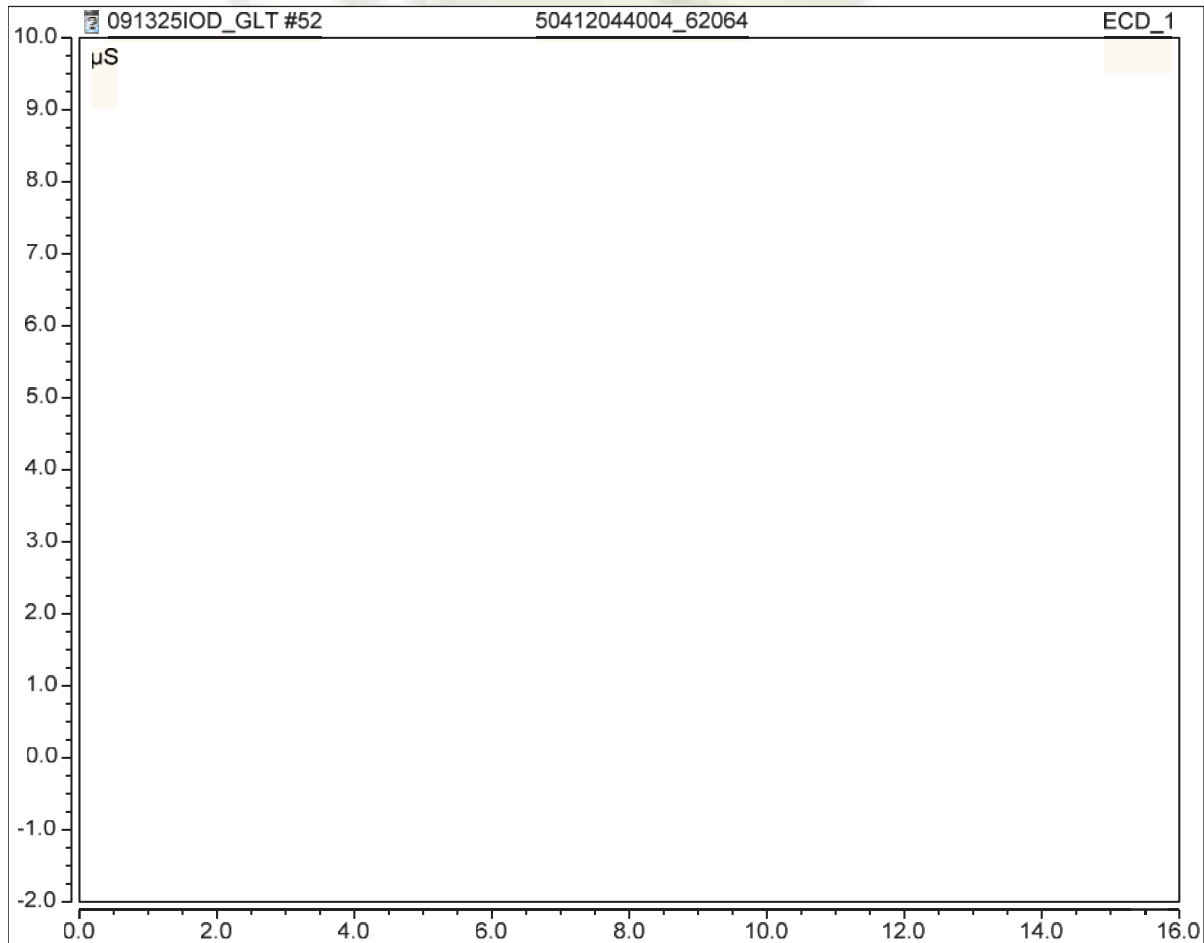
25L405LL556 B05BL			
Sample Name:	25L405LL556B05BL	Injection Volume (uL):	0275
Vial Number:	RE5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 41/42	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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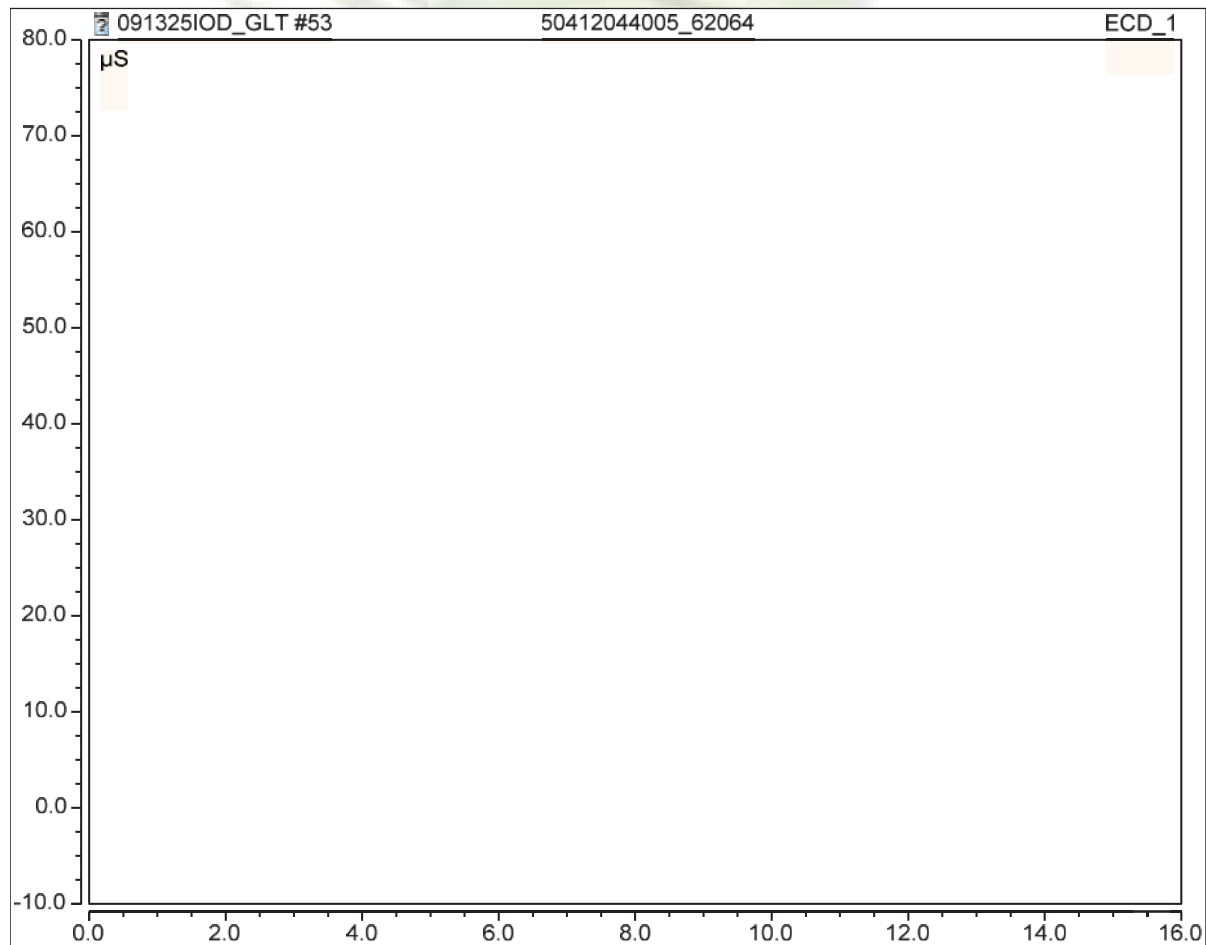
25L405LL55L B05BL			
Sample Name:	25L405LL55LB05BL	Injection Volume (uL):	02755
Vial Number:	RE6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 4L/66	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r otHgR μS	nnyo
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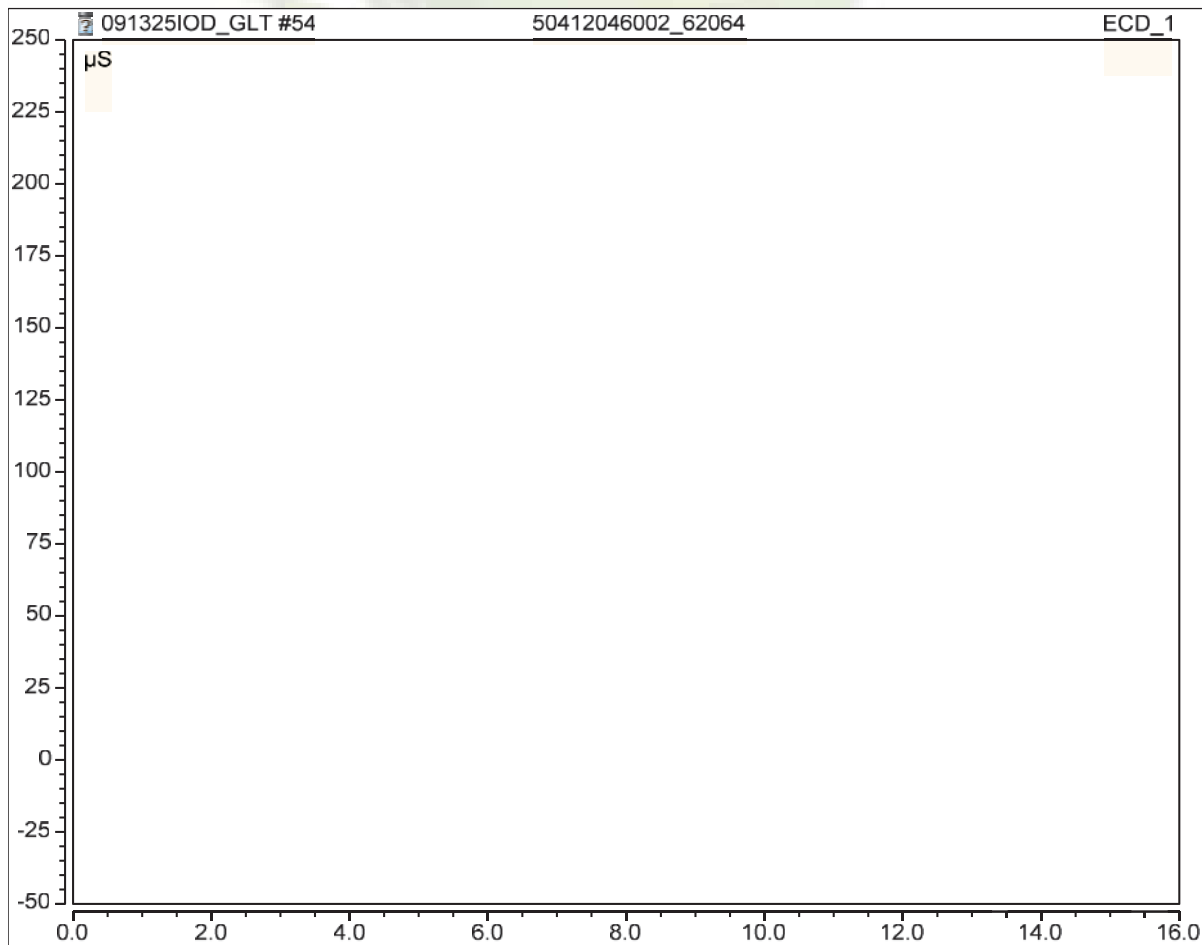
25L405LL552 B05BL			
Sample Name:	25L405LL552DB05BL	Injection Volume (uL):	02755
Vial Number:	RE7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 4L/20	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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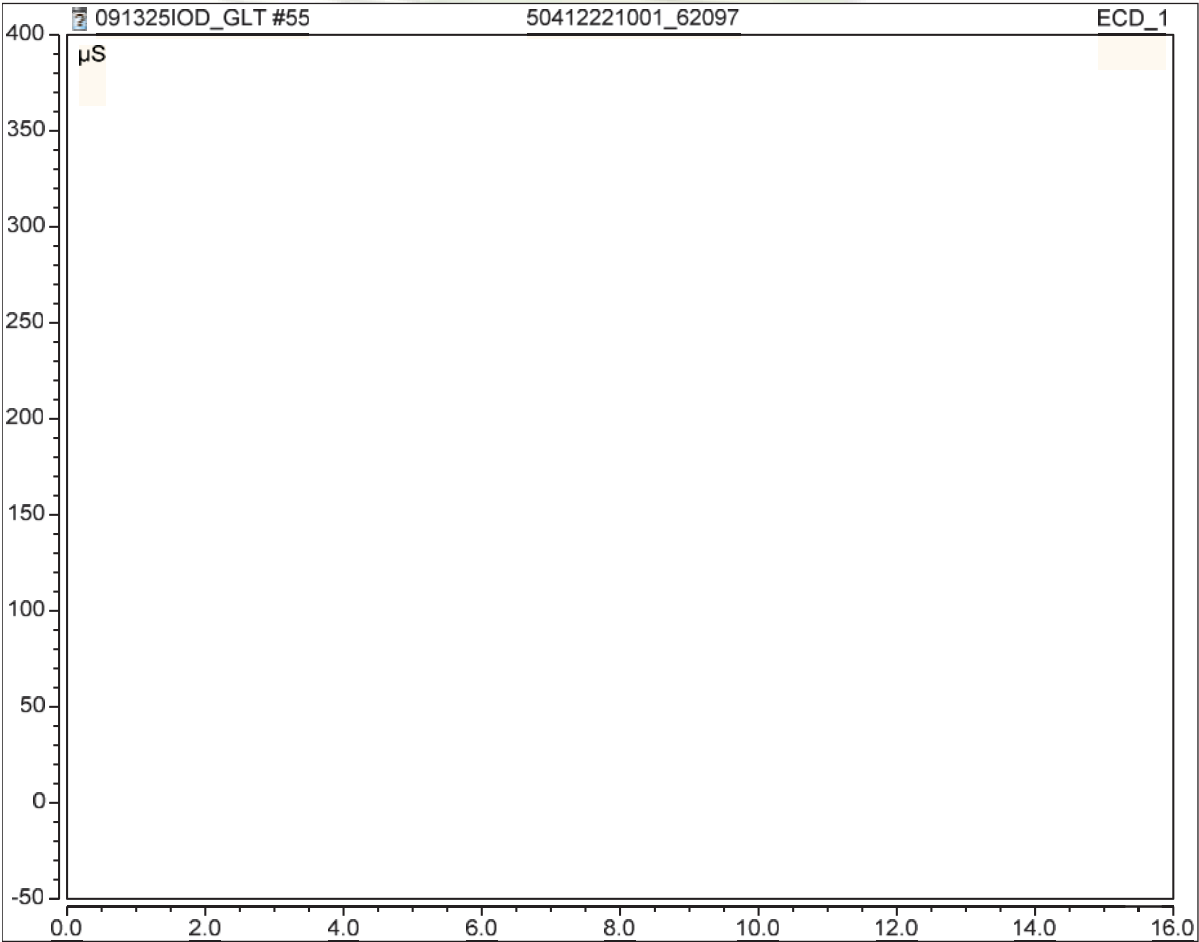
25L405LB550 B05BL			
Sample Name:	25L405LB550B05BL	Injection Volume (uL):	02755
Vial Number:	RE8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 42/45	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.42	g dtto	0.0460	0.002	0.006	BMB



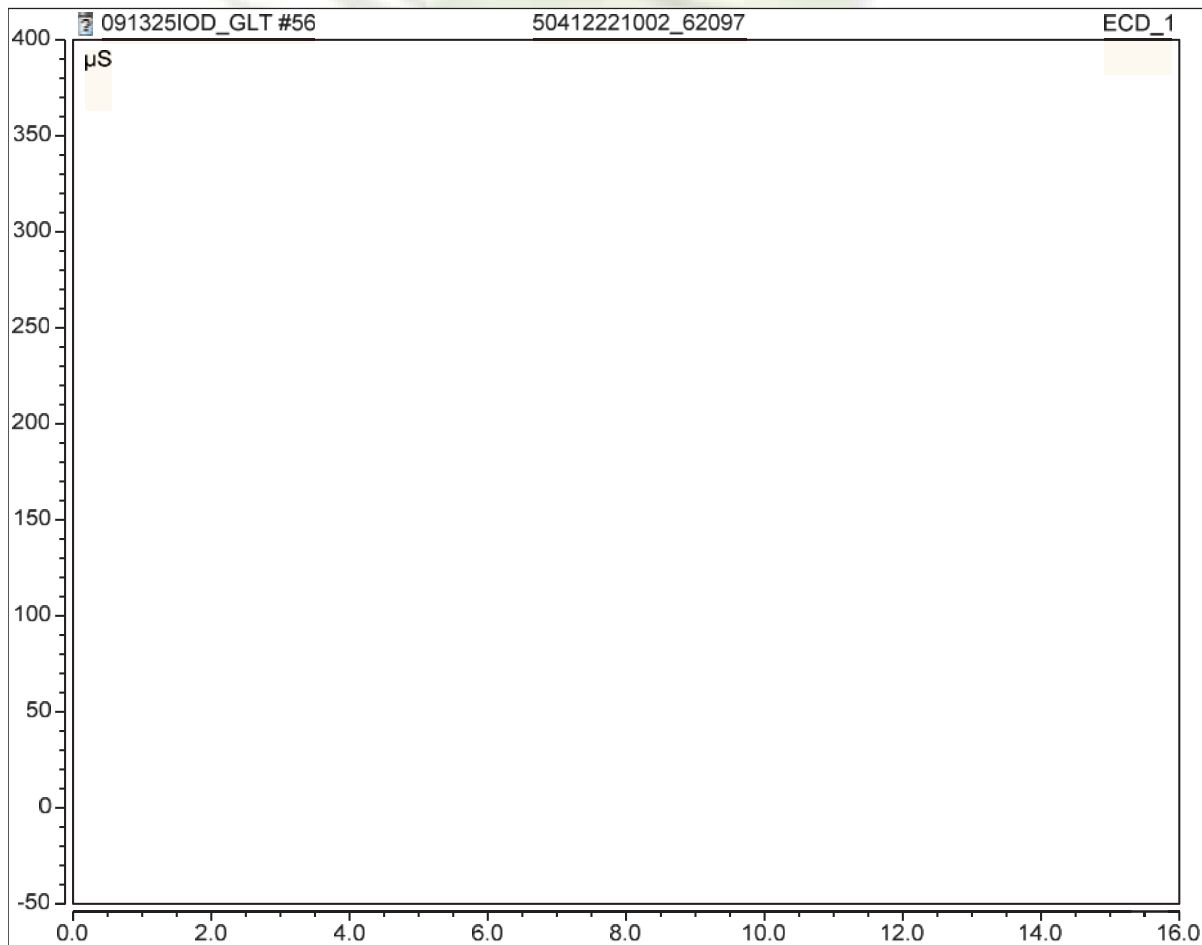
25L40004554 B05: 1			
Sample Name:	25L40004554B05: 1	Injection Volume (uL):	02755
Vial Number:	BD1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 42/0_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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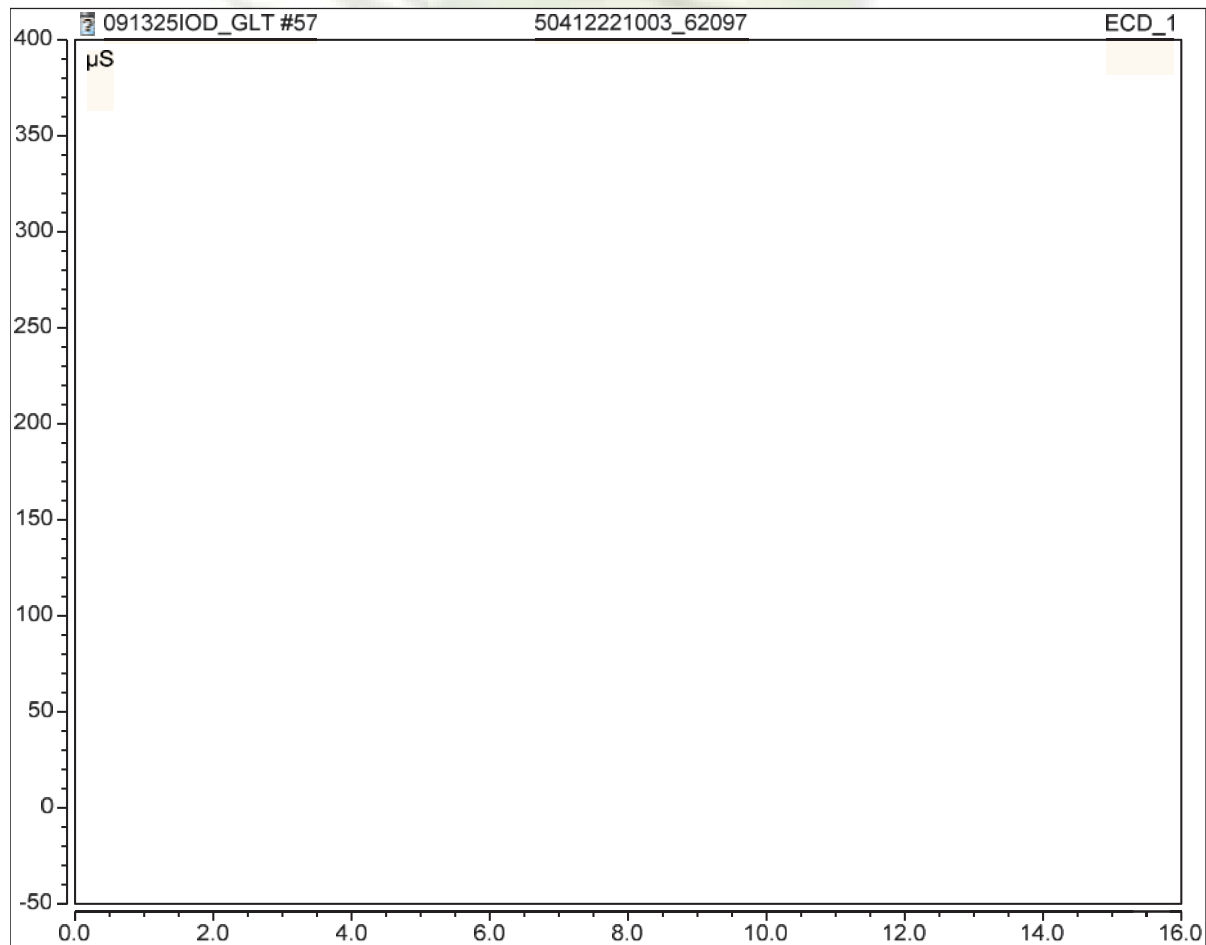
25L40004550 B05: 1			
Sample Name:	25L40004550B05: 1	Injection Volume (uL):	02755
Vial Number:	BD2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 8480502 42/L1	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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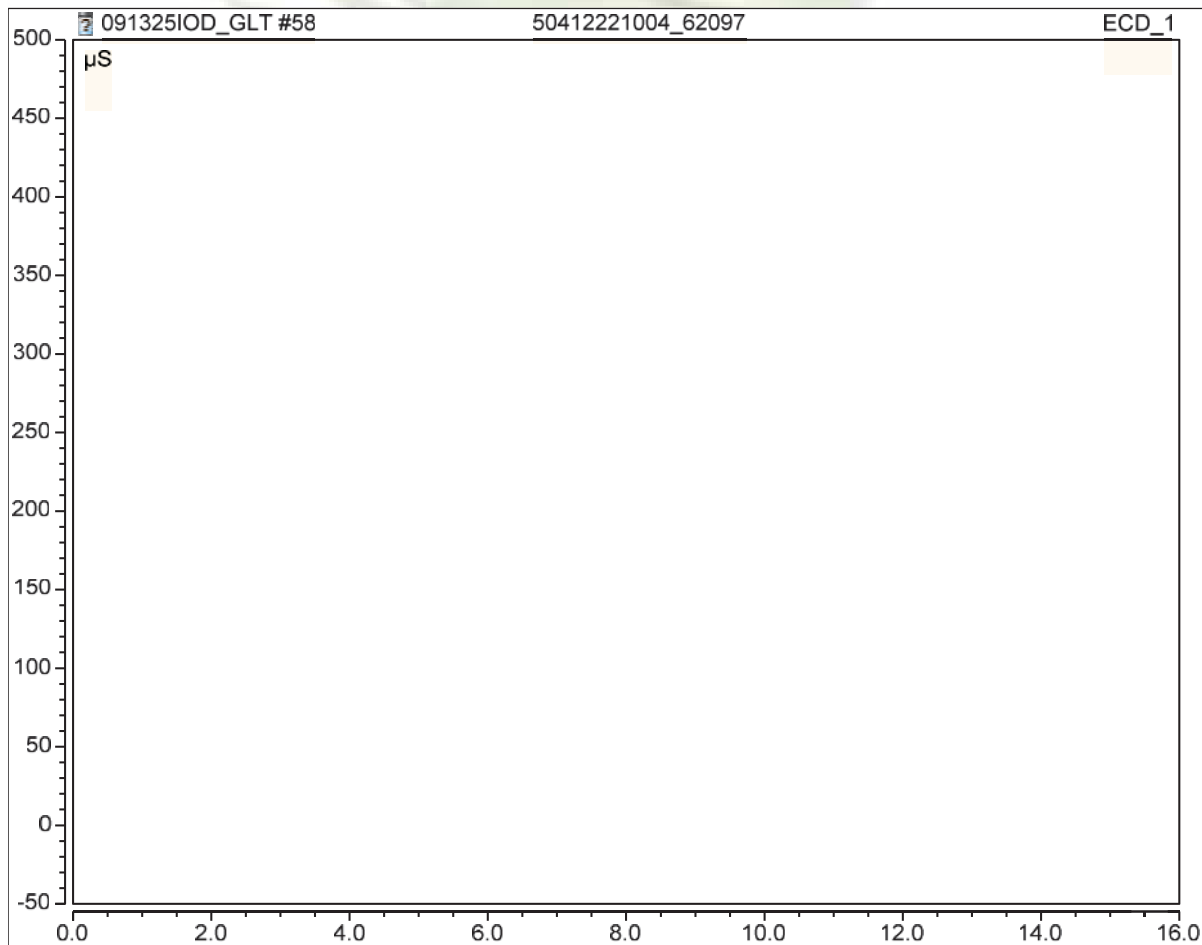
25L40004556 B05: 1			
Sample Name:	25L40004556B05: 1	Injection Volume (uL):	02755
Vial Number:	BD3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 4B/52	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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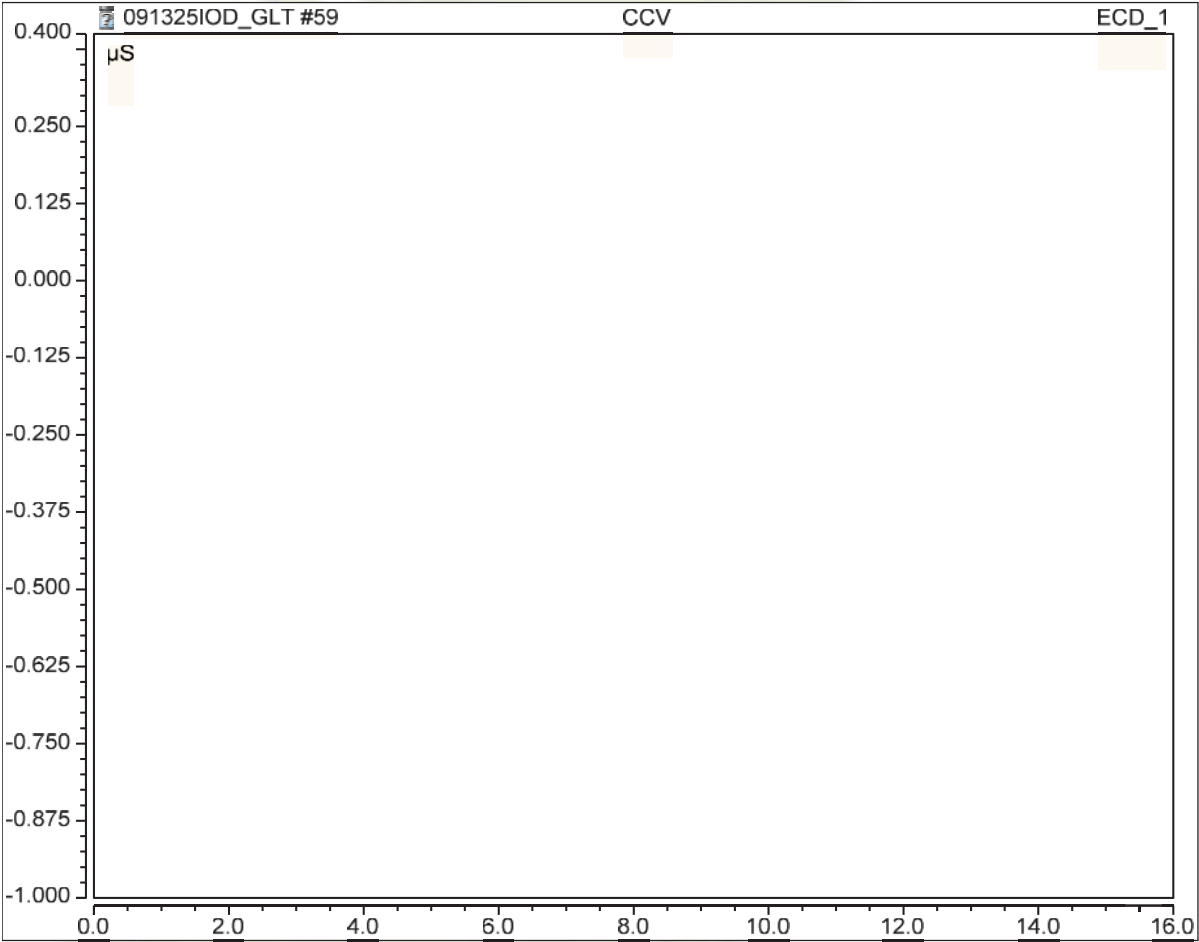
25L4000455L B05: 1			
Sample Name:	25L4000455LB05: 1	Injection Volume (uL):	02755
Vial Number:	BD4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 4E/06	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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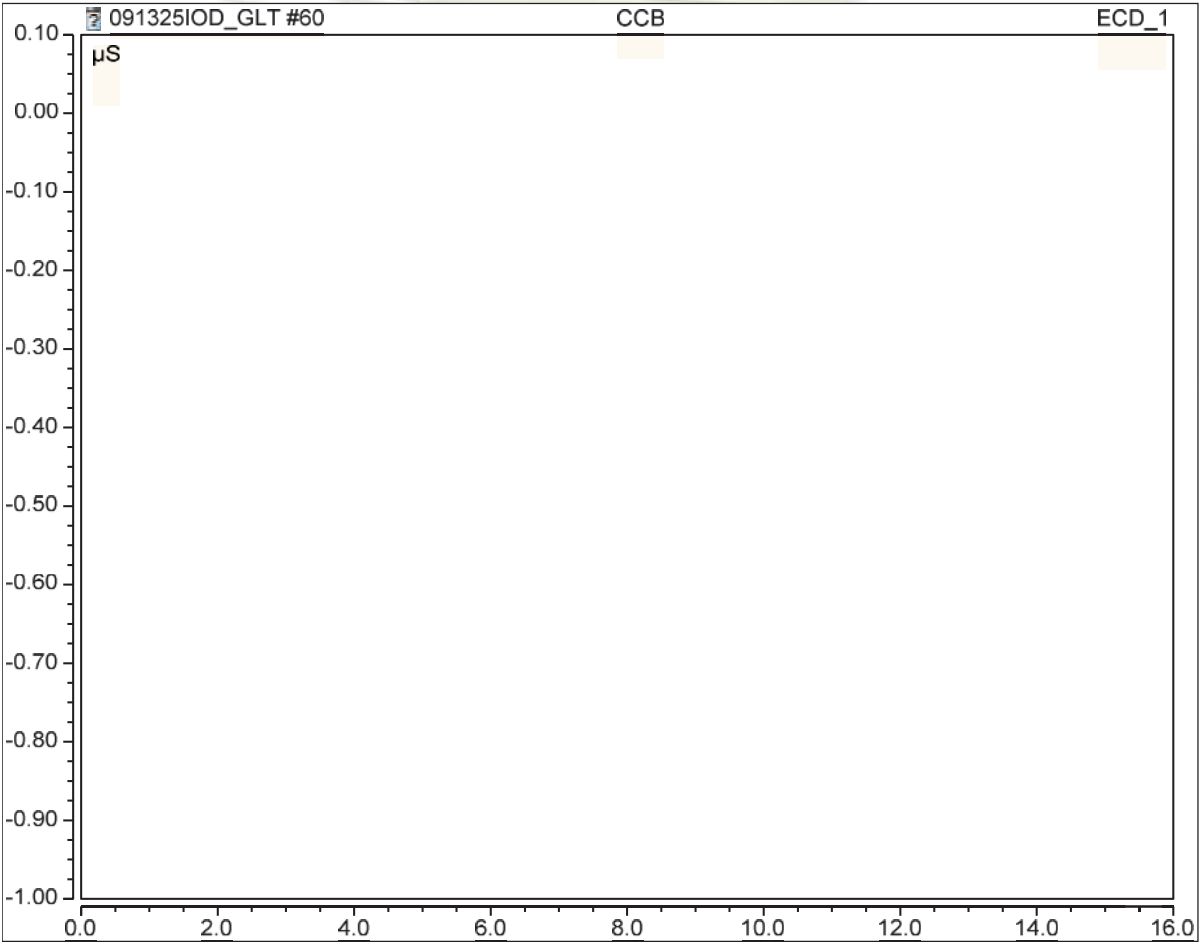
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 4B/L4	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.42	g dtto	0.8923	0.030	0.087	BMB



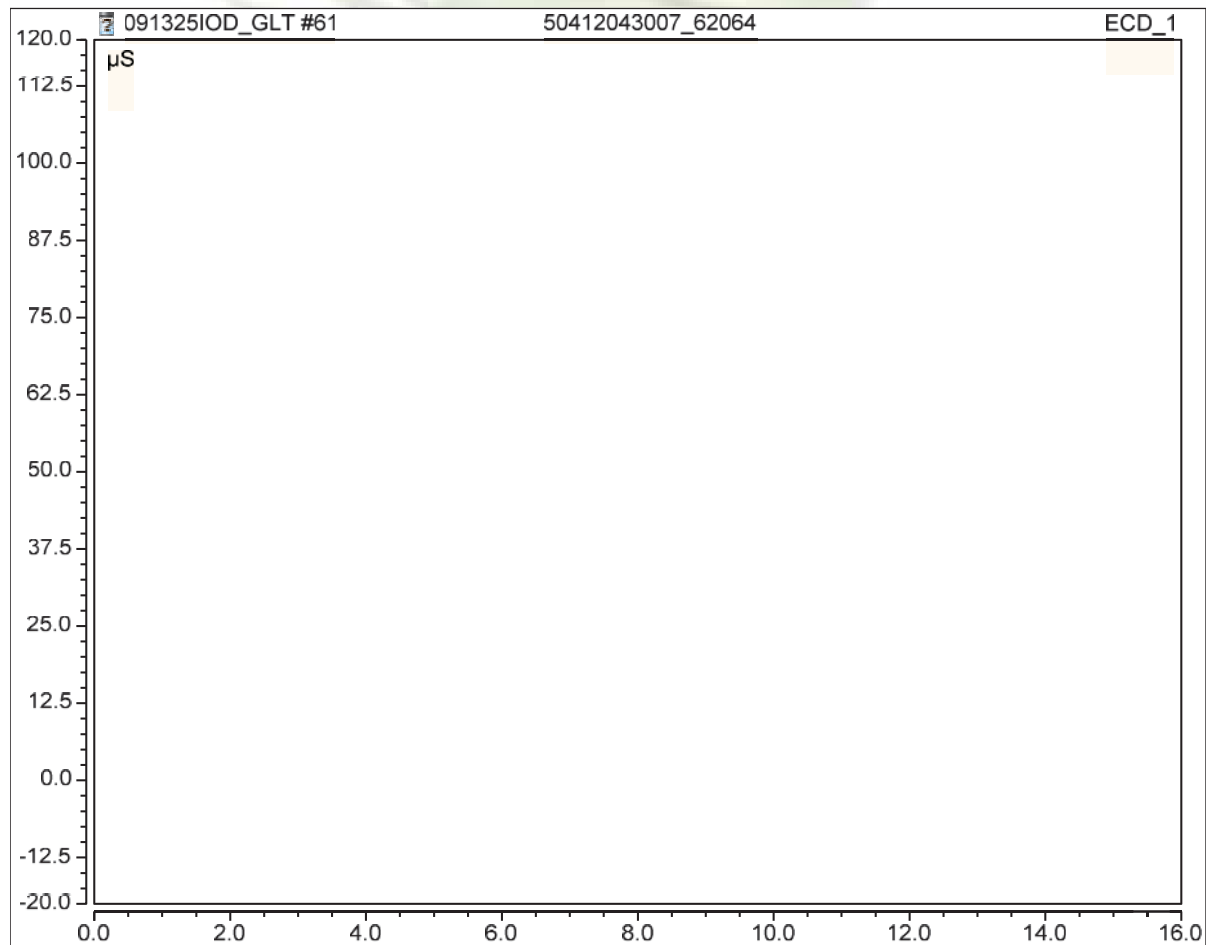
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 41/55	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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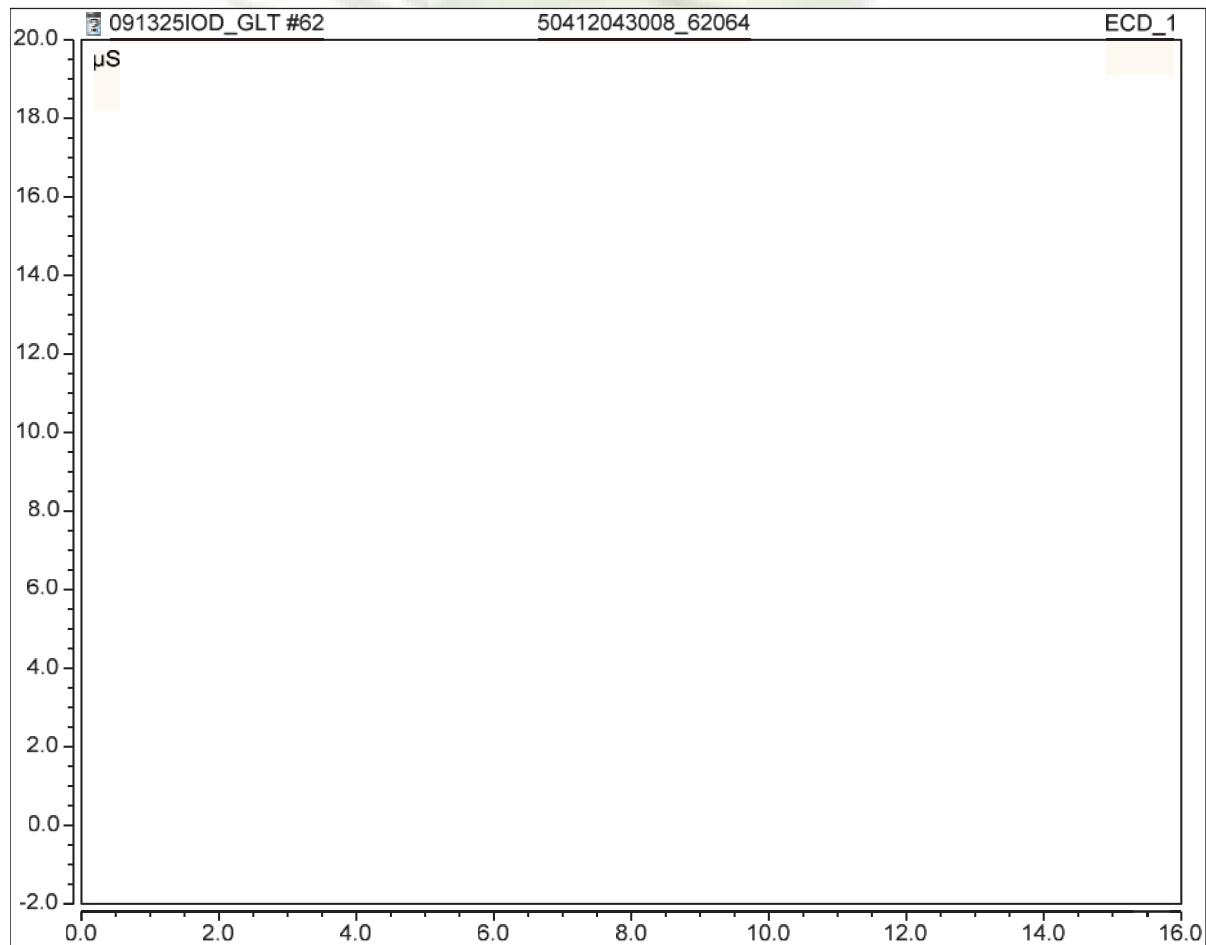
25L405L6551 B05BL			
Sample Name:	25L405L6551B05BL	Injection Volume (uL):	0275
Vial Number:	BD5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84802 41/4_	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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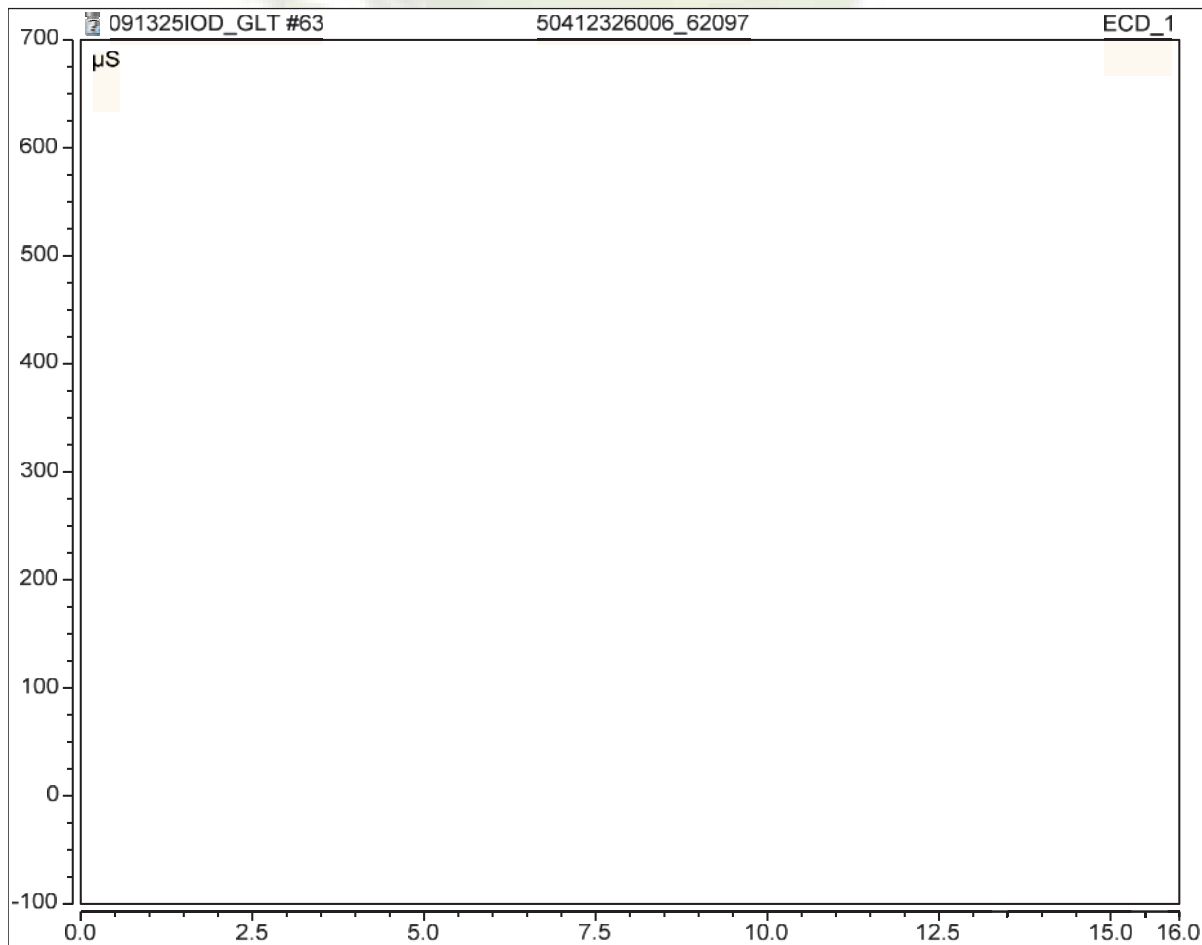
25L405L655_ B05BL			
Sample Name:	25L405L655_DB05BL	Injection Volume (uL):	02755
Vial Number:	BD6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 8480502 41/6B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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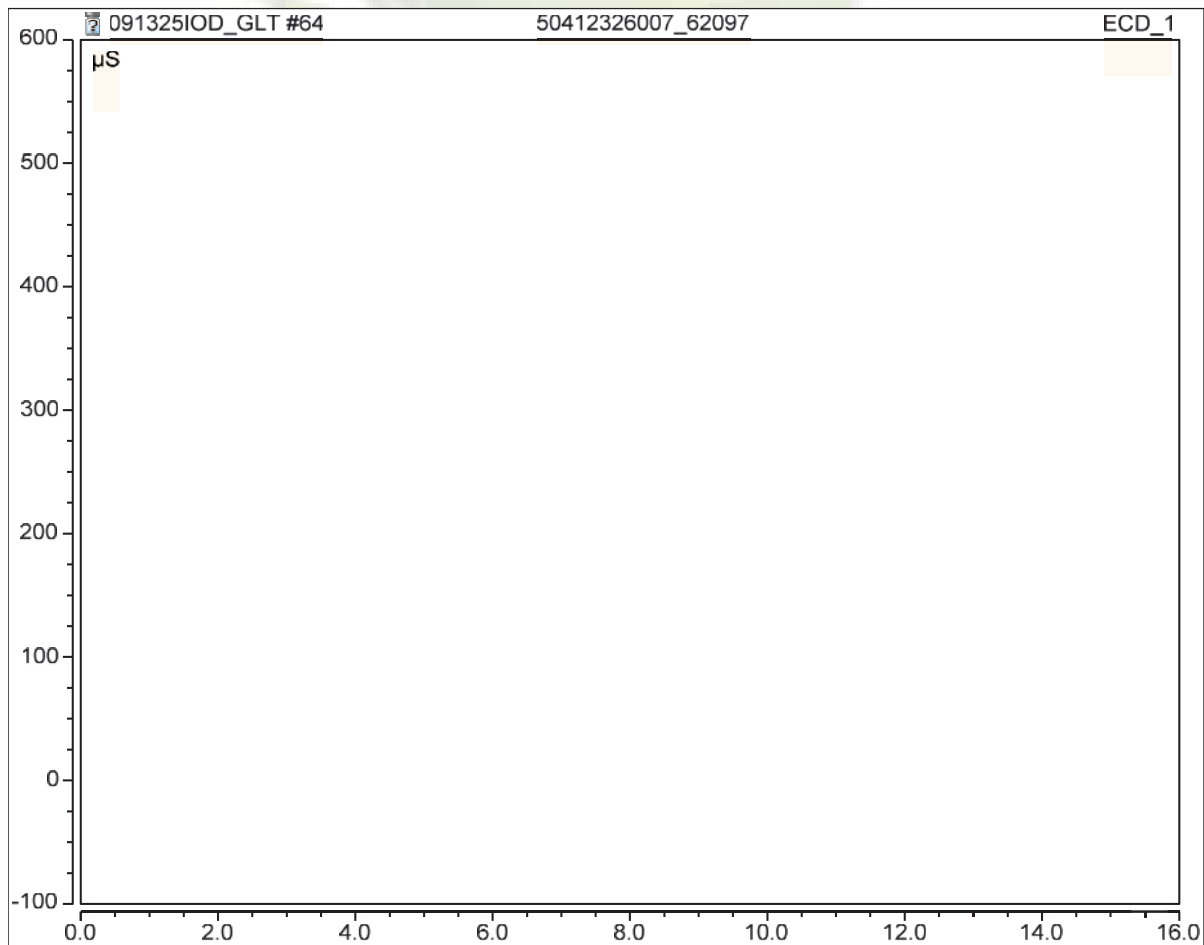
25L4060B55B B05: 1			
Sample Name:	25L4060B55B B05: 1	Injection Volume (uL):	02755
Vial Number:	BD7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 41/22	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.41	g dtto	0.0614	0.003	0.008	BMB



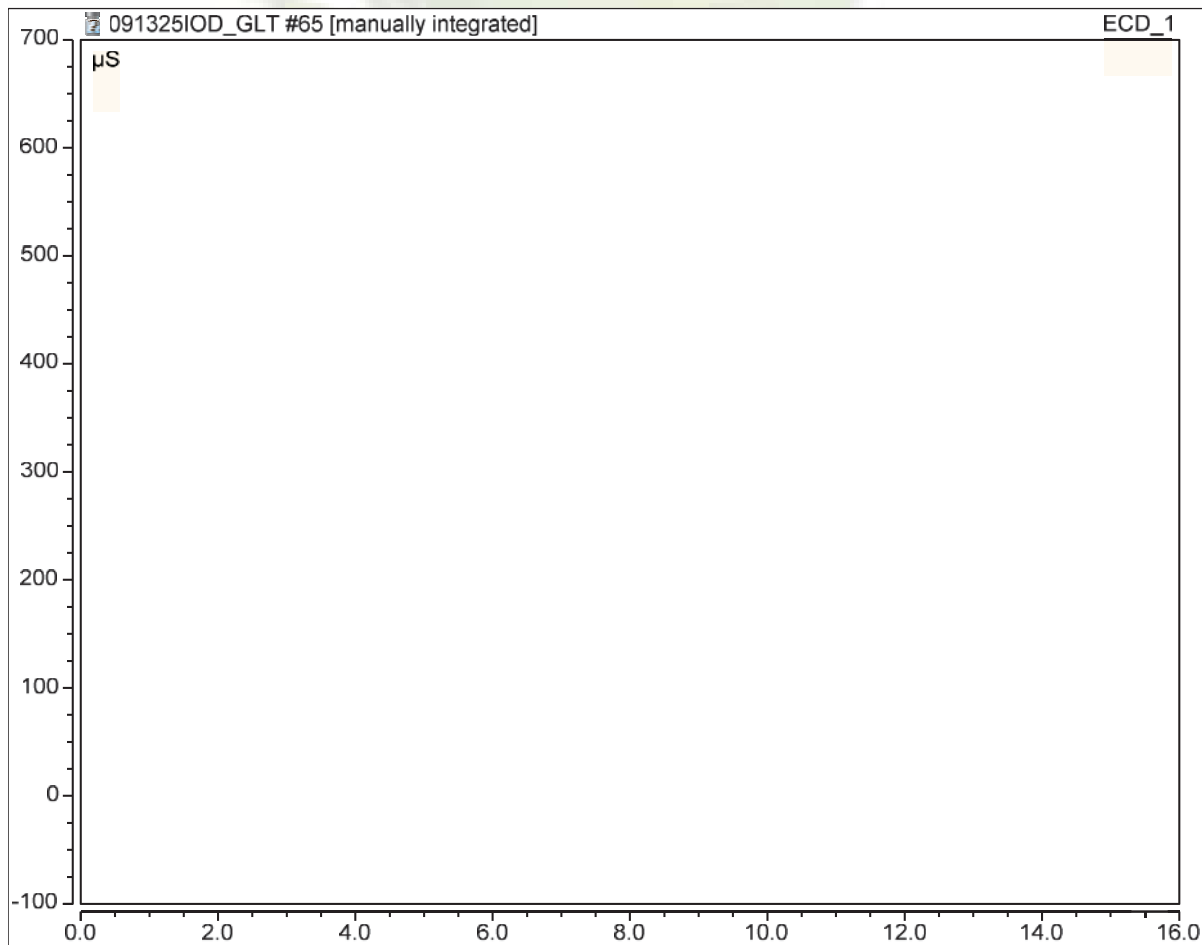
25L4060B551 B05: 1			
Sample Name:	25L4060B551B05: 1	Injection Volume (uL):	02755
Vial Number:	BD8	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_844802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L80502 4_46	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r otHgR μS	nnyo
1	13.17	g dtto	0.0438	0.002	0.000	BMB



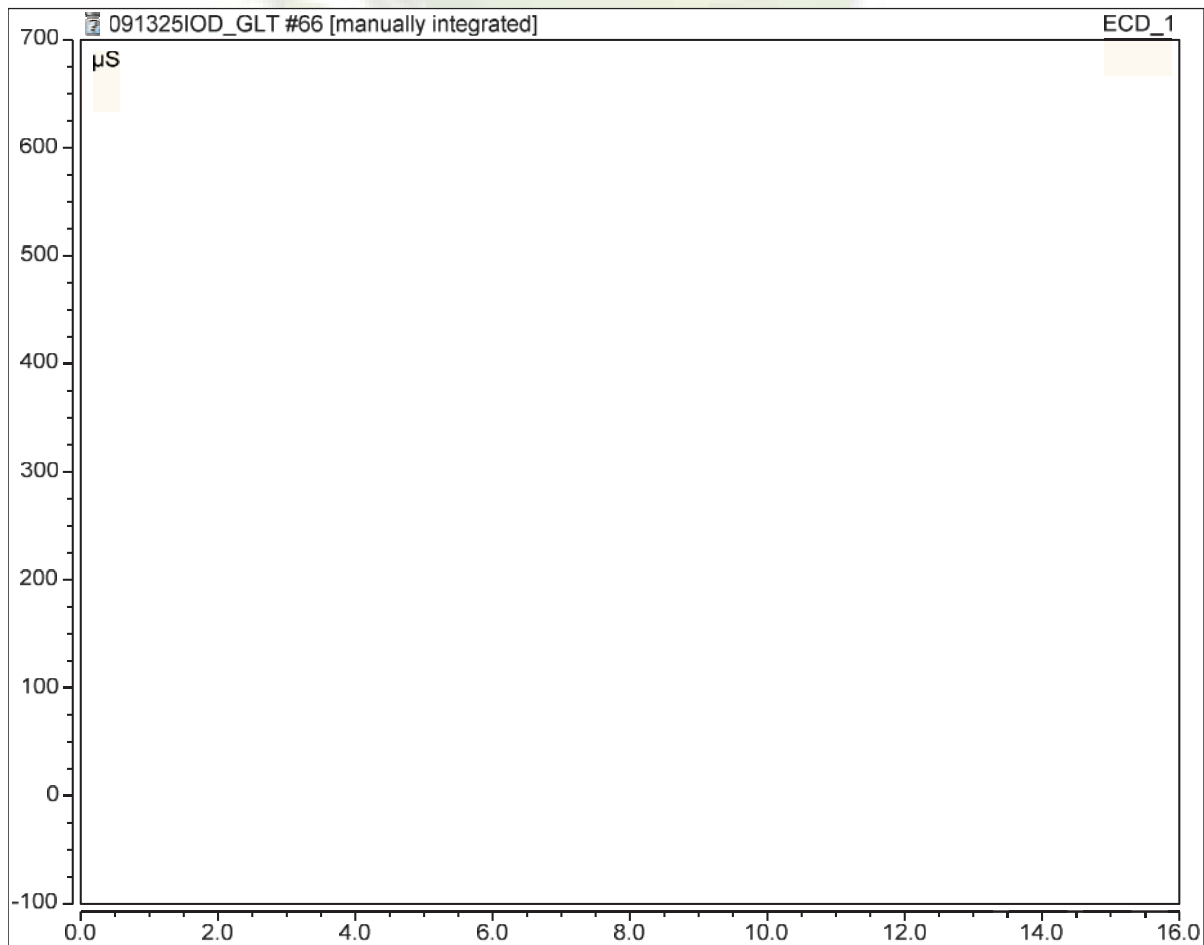
25L4060B552 B05: 1			
Sample Name:	25L4060B552B05: 1	Injection Volume (uL):	02755
Vial Number:	BE1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84402 4_/64	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.19	g dtto	0.0142	0.001	0.000	BMB*



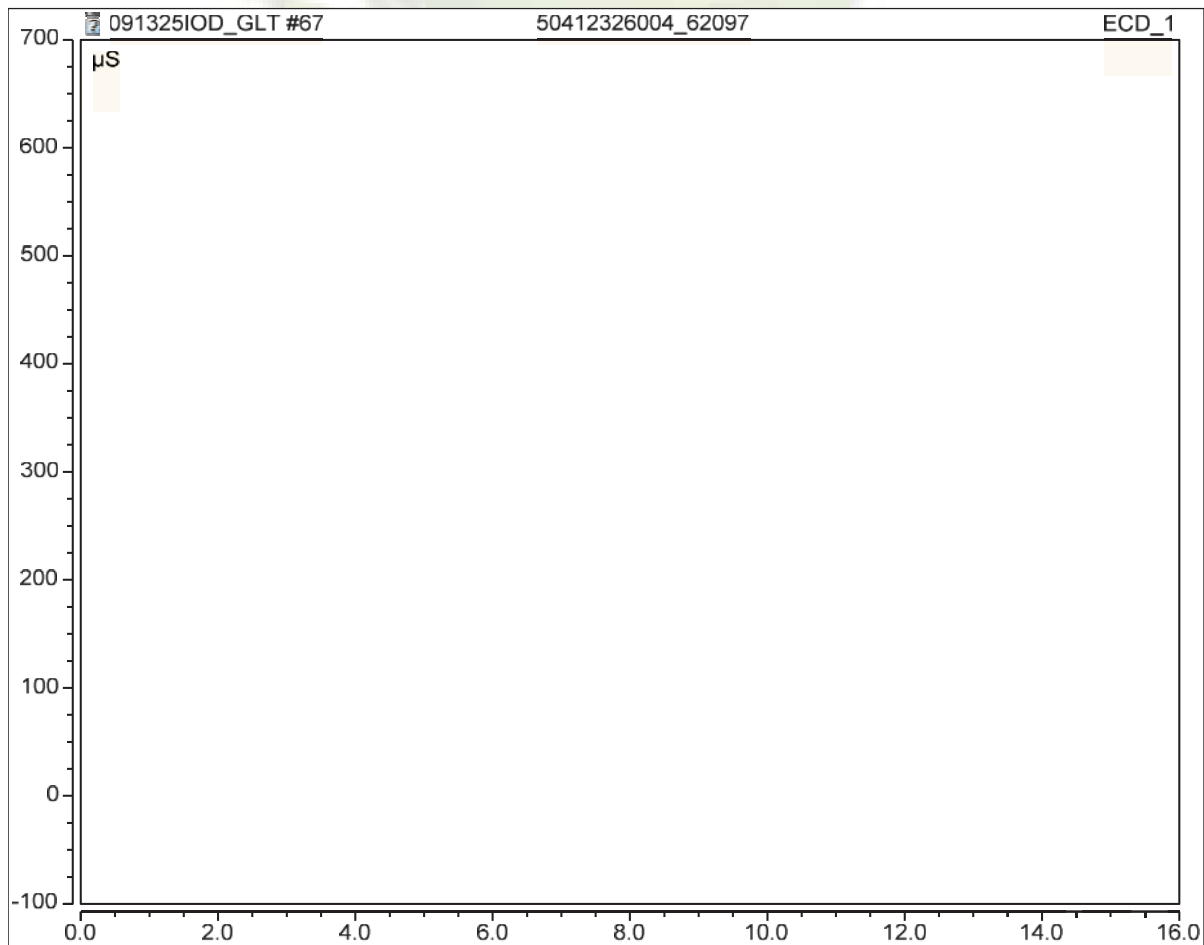
25L4060B556 B05: 1			
Sample Name:	25L4060B556B05: 1	Injection Volume (uL):	02755
Vial Number:	BE2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 4_/L:	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.42	g dtto	0.0262	0.001	0.005	BMB*



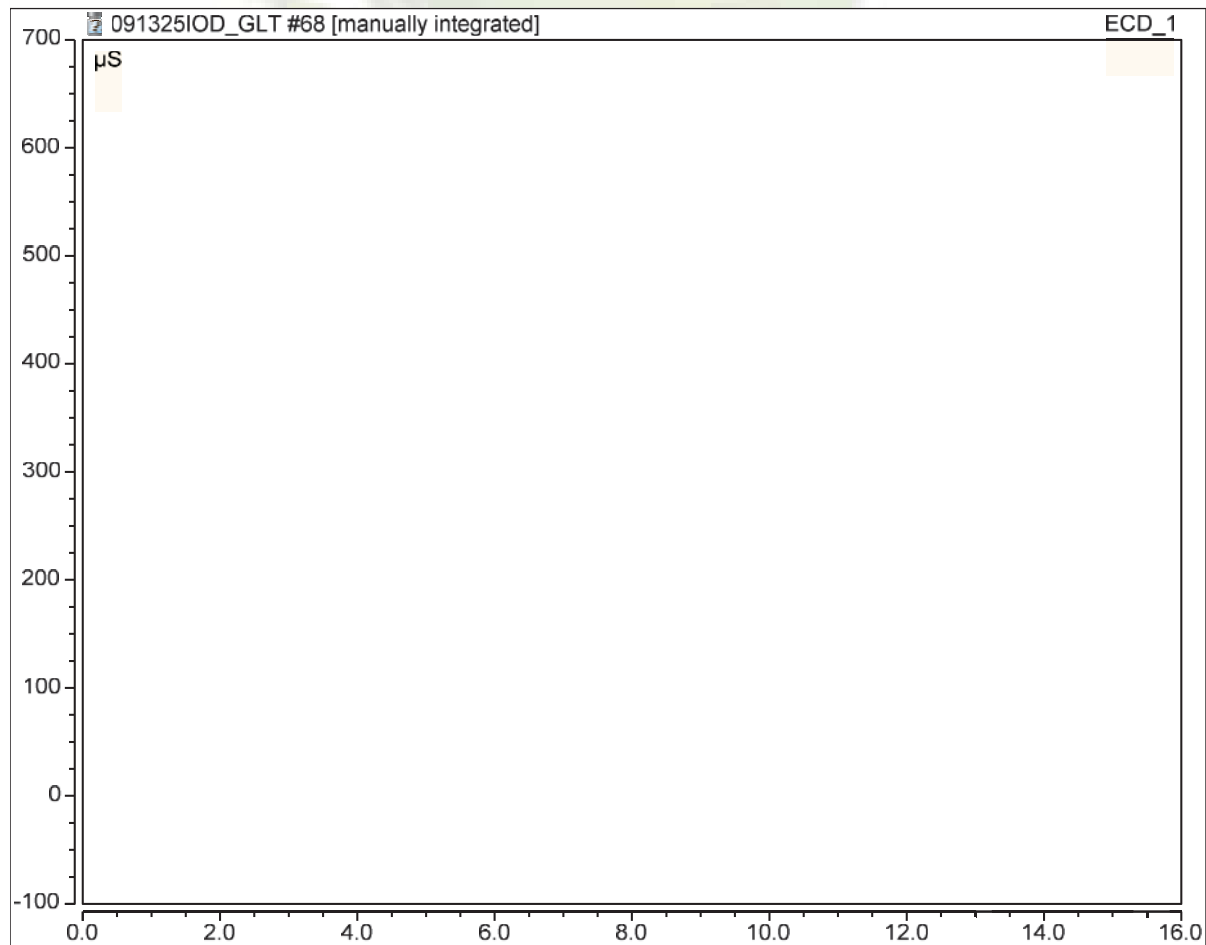
25L4060B55L B05: 1			
Sample Name:	25L4060B55LDB05: 1	Injection Volume (uL):	02755
Vial Number:	BE3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_844802 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L80502 4: /5_	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.39	g dtto	0.0370	0.002	0.005	BMB



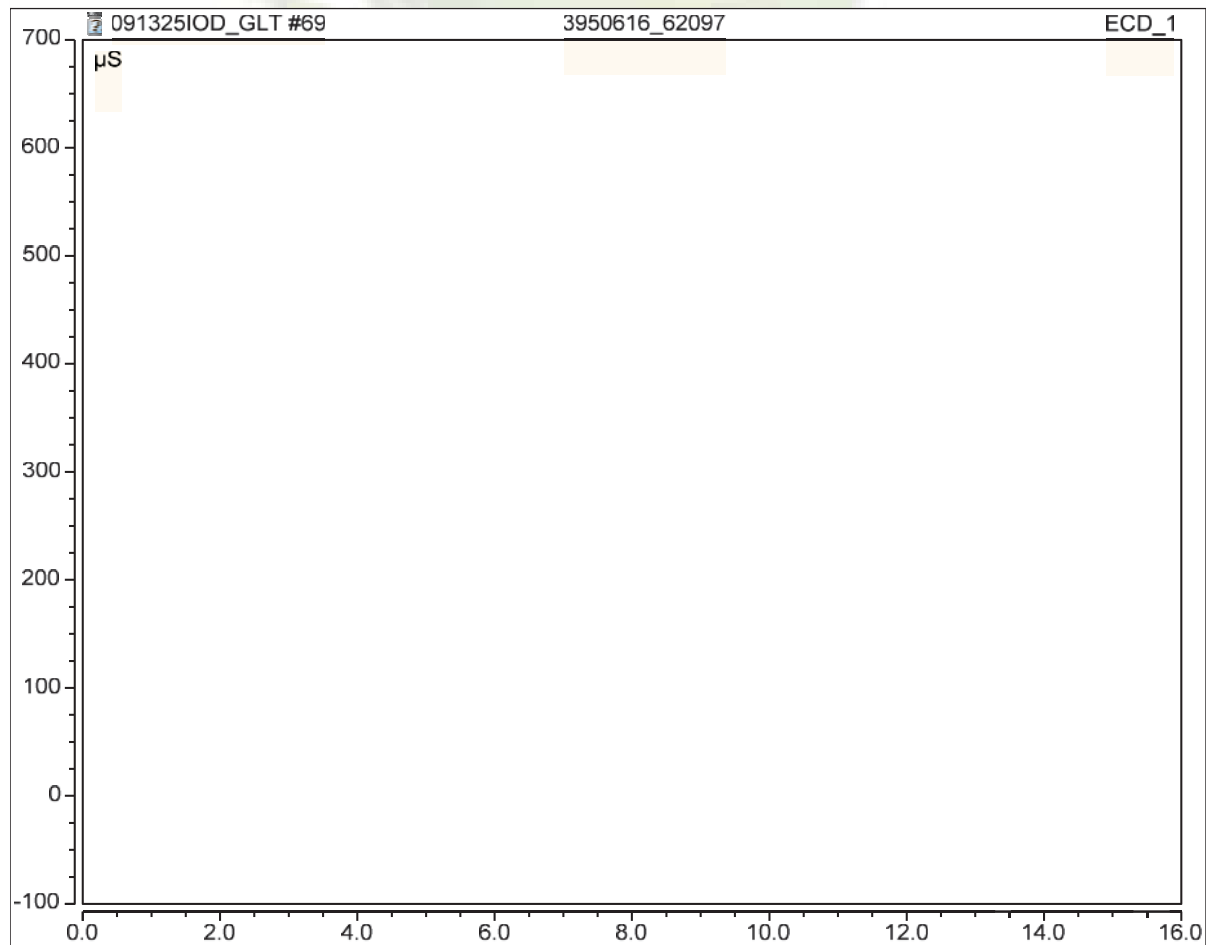
25L4060B550 B05: 1			
Sample Name:	25L4060B550B05: 1	Injection Volume (uL):	02755
Vial Number:	BE4	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 4: /0B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.15	g dtto	0.0447	0.002	0.000	BMB*



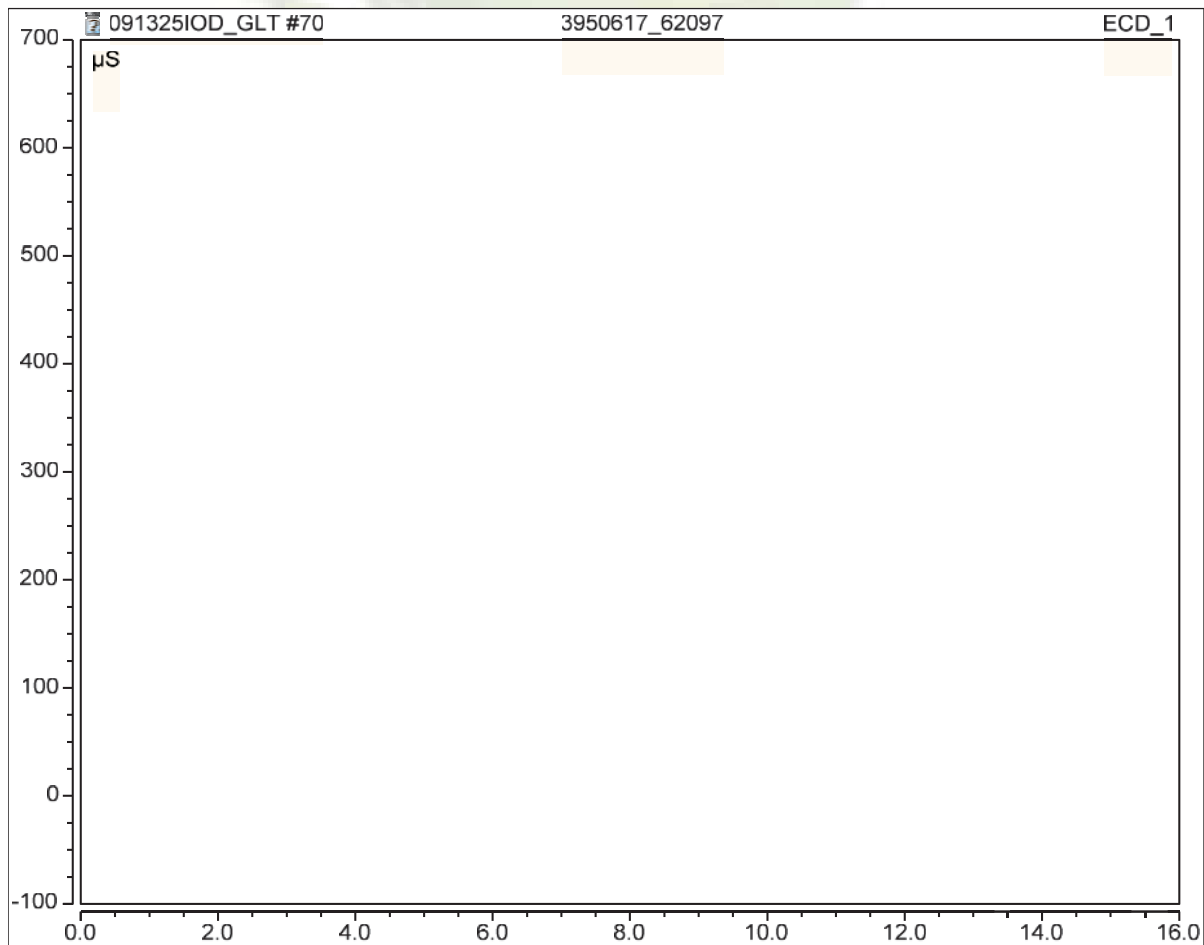
6: 25B4B B05: 1			
611B 5			
Sample Name:	6: 25B4B B05: 1	Injection Volume (uL):	02755
Vial Number:	BE5	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 4: /LL	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

31 7	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.43	g dtto	5.0408	0.168	0.487	BMB



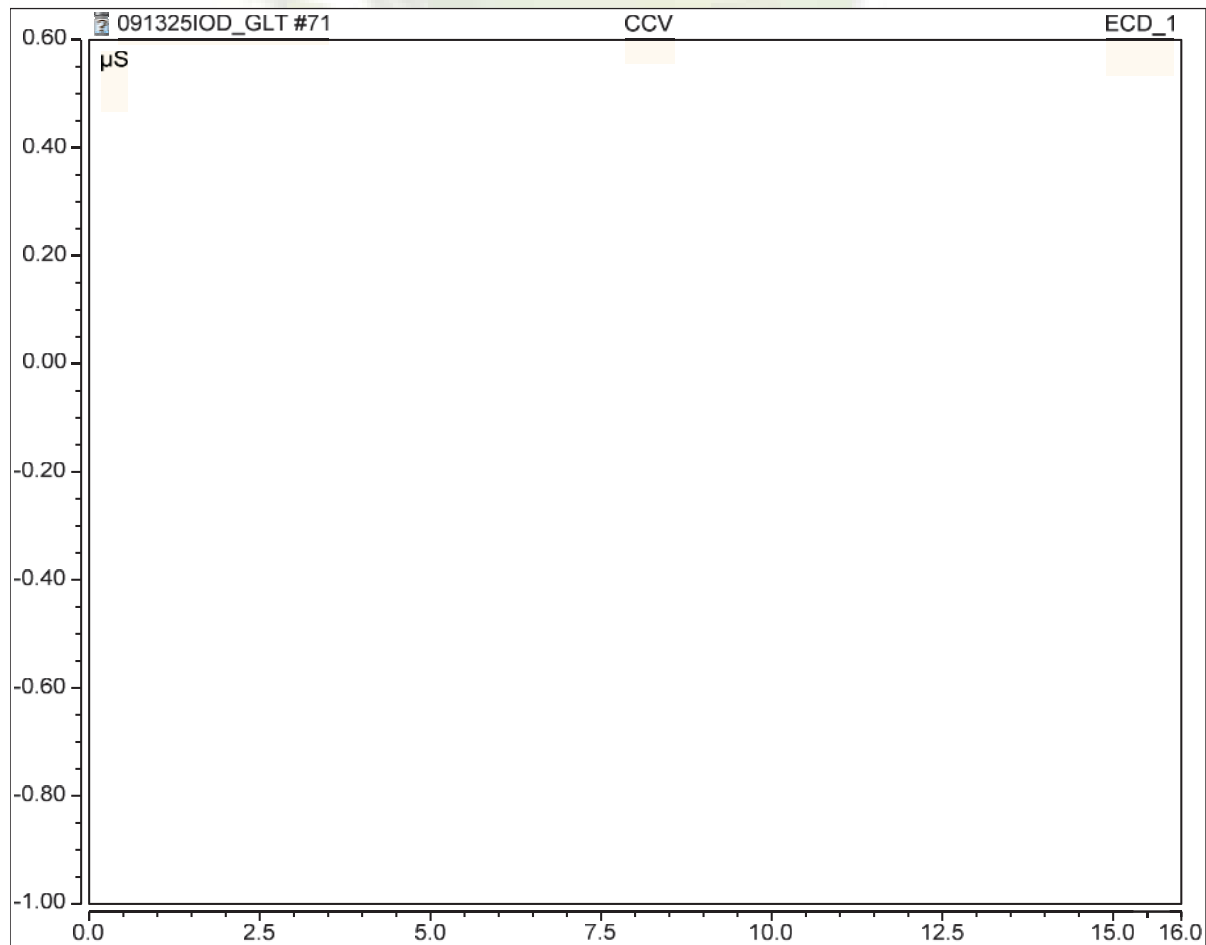
6: 25B41 B05: 1			
611B 5			
Sample Name:	6: 25B41B05: 1	Injection Volume (uL):	02755
Vial Number:	BE6	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 05/56	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.44	g dtto	4.9791	0.166	0.480	BMB



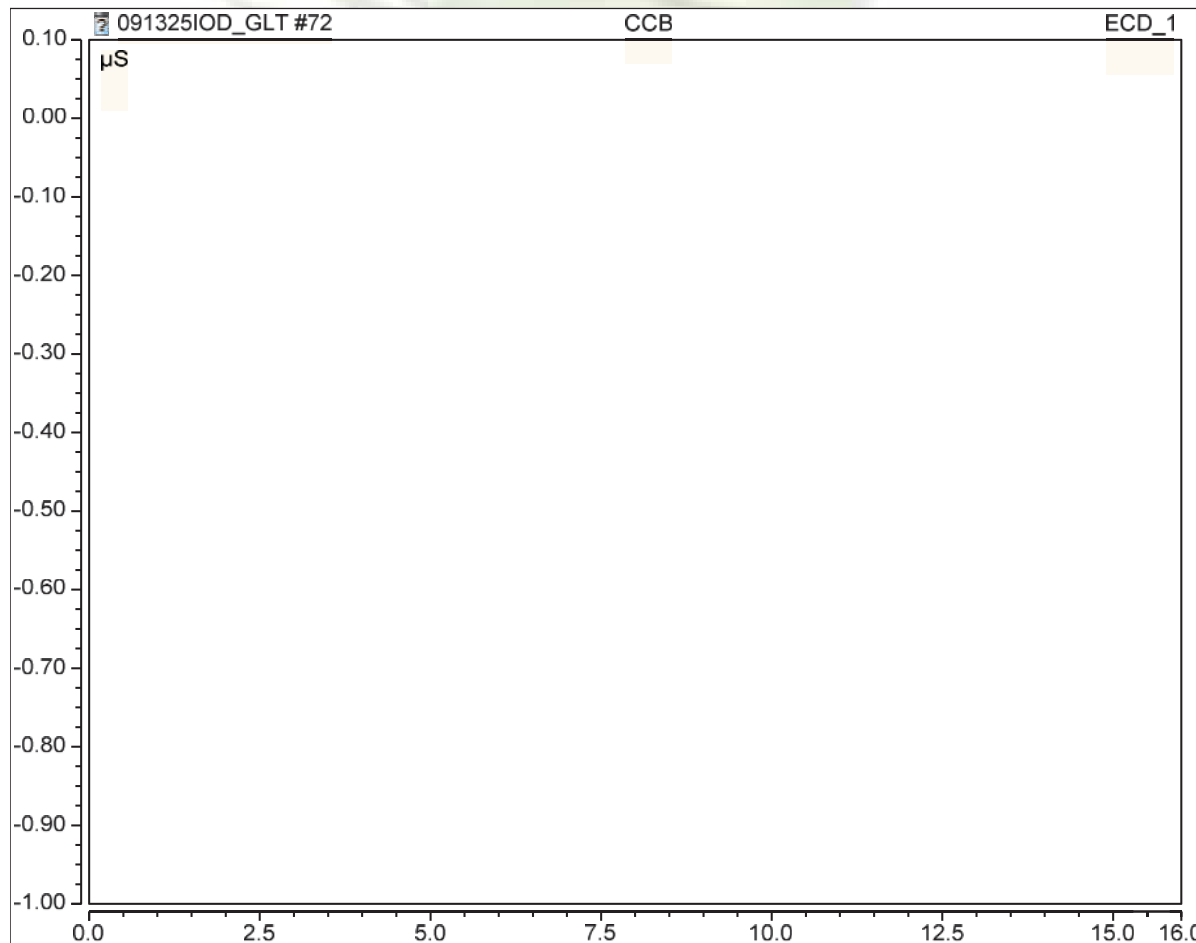
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 05/04	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.42	g dtto	0.8982	0.030	0.088	BMB



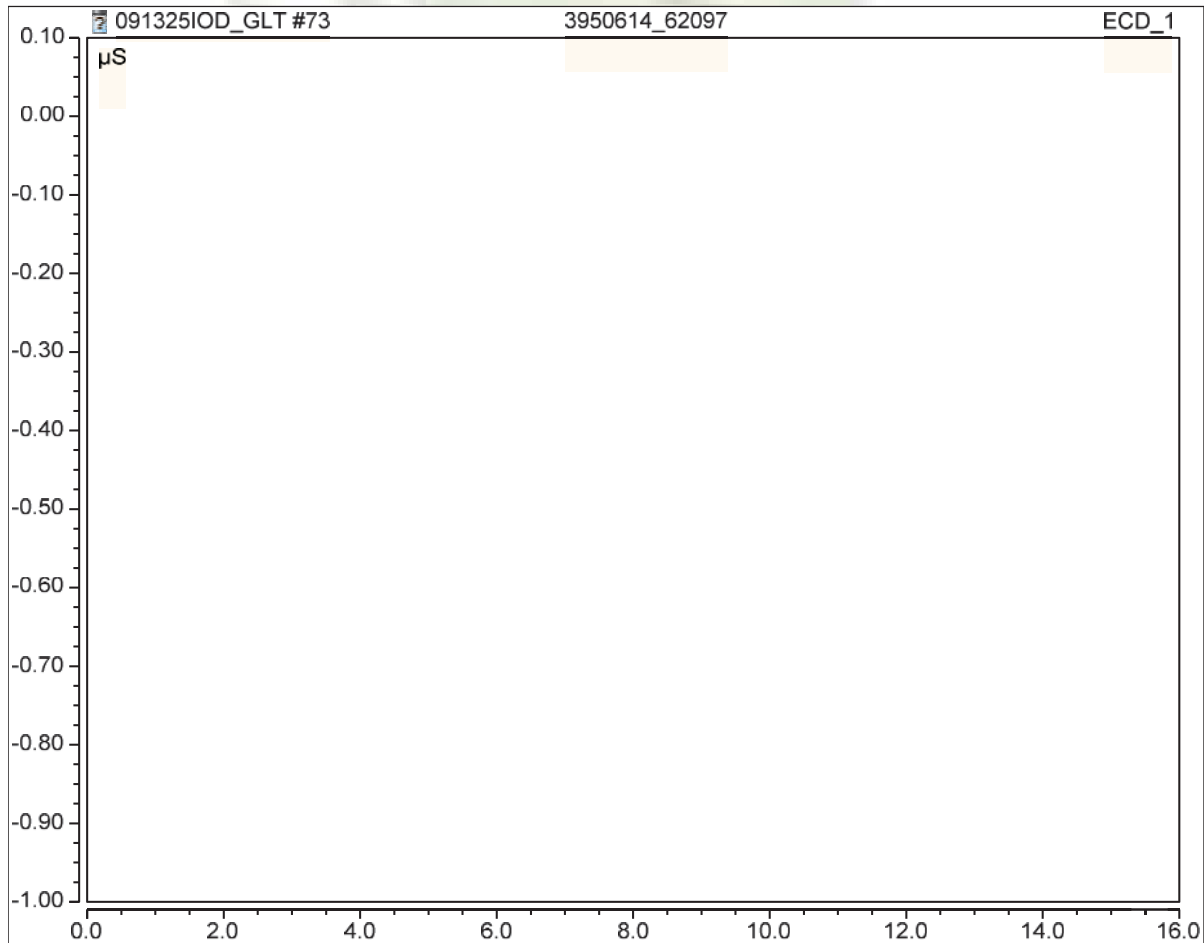
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 05/6:	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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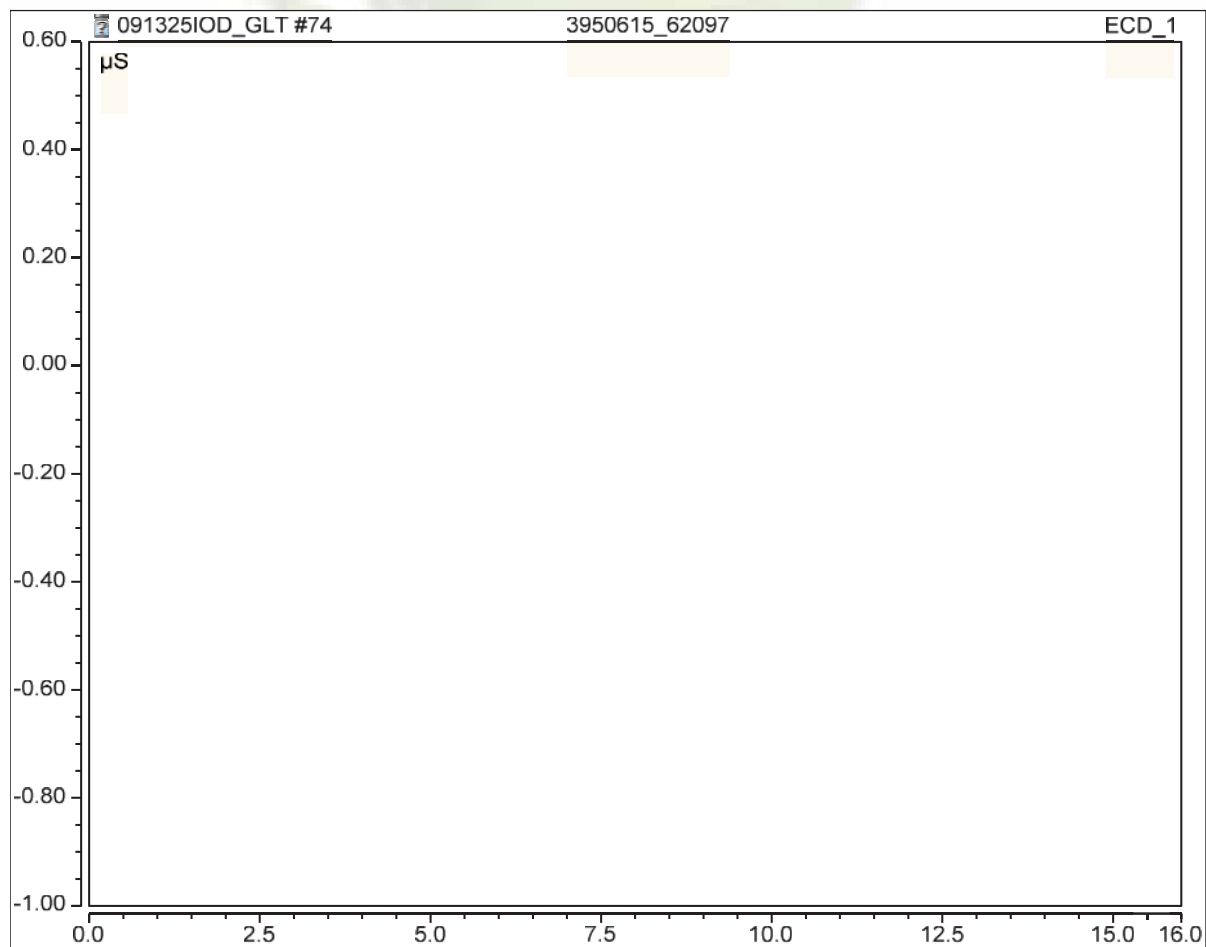
6: 25B4L B05: 1			
6L5444			
Sample Name:	6: 25B4LB05: 1	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 05/21	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRi e nti o i te	3Ti o	mi l aeR e77	muT μS*i te	r othgR μS	nnyo
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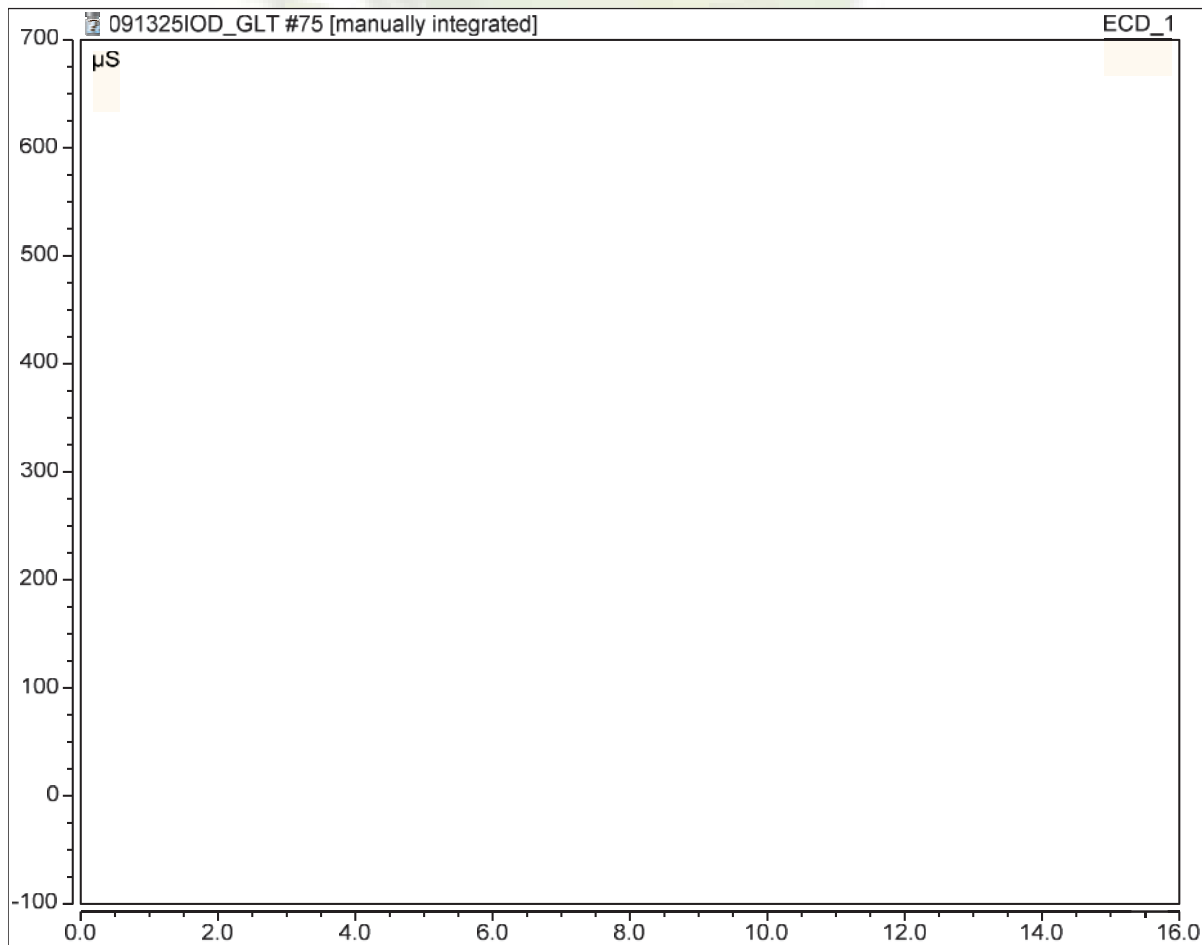
6: 25B42 B05: 1			
611B 5			
Sample Name:	6: 25B42B05: 1	Injection Volume (uL):	02755
Vial Number:	B3	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 04/4B	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.39	g dtto	4.9972	0.166	0.475	BMB



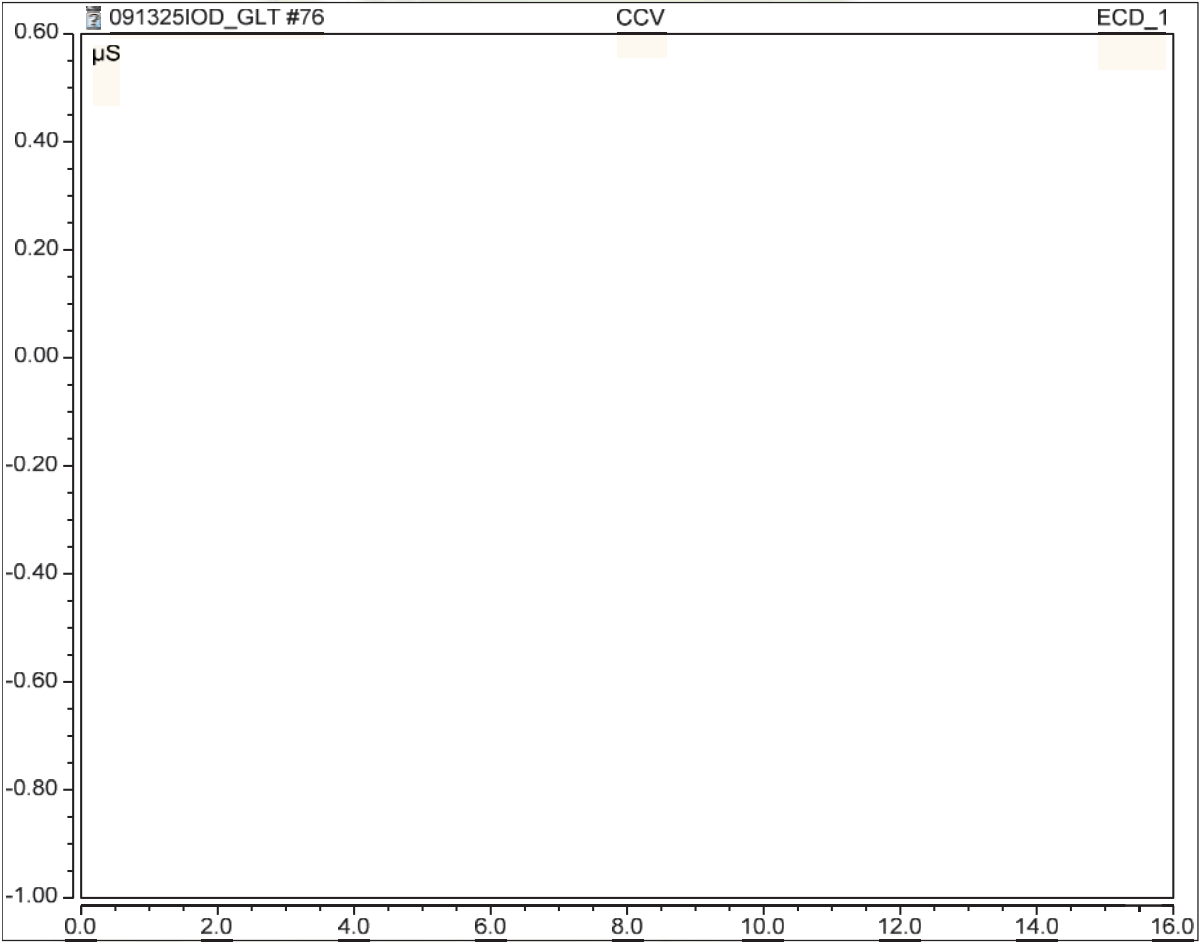
25L4060B554 B05: 1			
Sample Name:	25L4060B554B05: 1	Injection Volume (uL):	02755
Vial Number:	BE7	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 04/6L	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR i H8p	muT μS*i te	r othgR μS	nnyo
1	13.18	g dtto	0.0262	0.001	0.000	BMB*



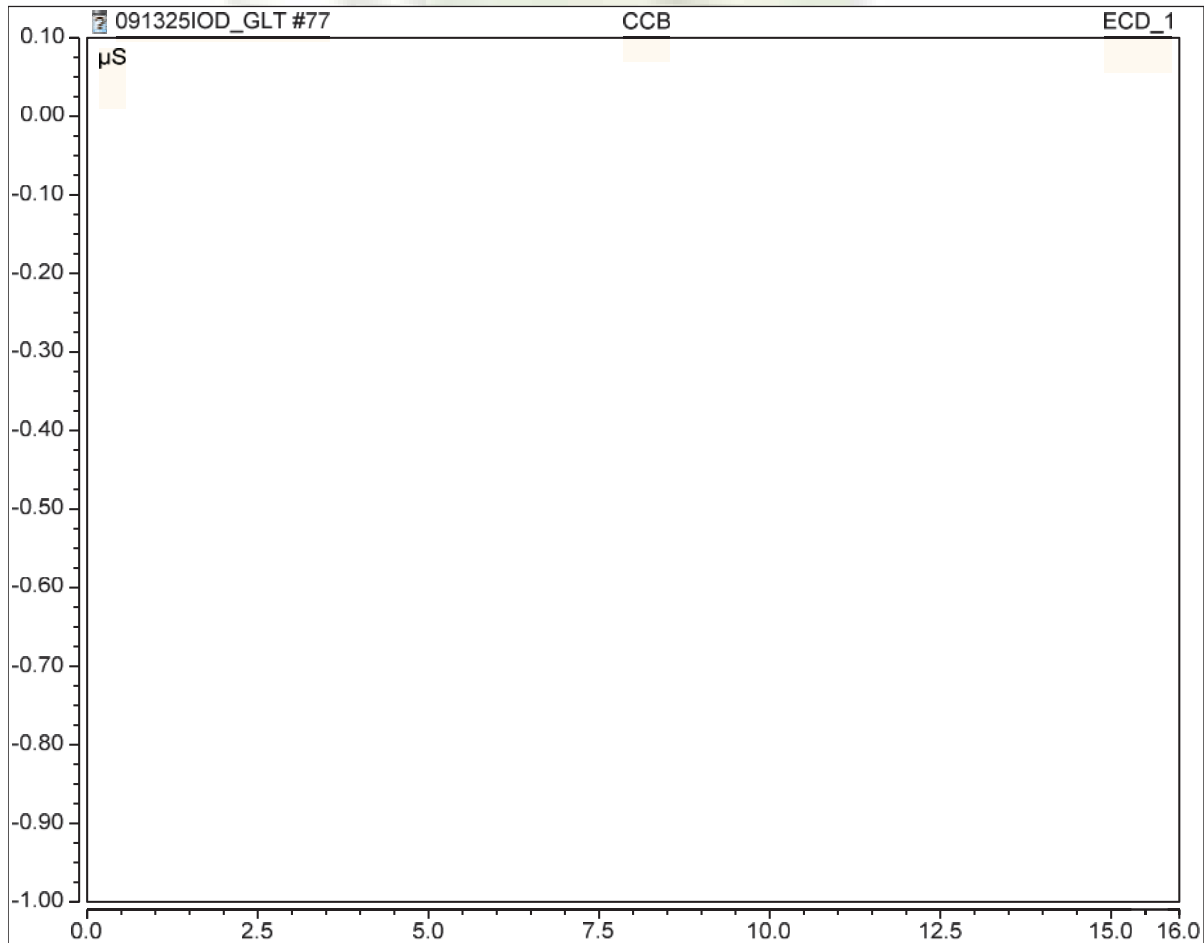
CCA			
L00441			
Sample Name:	CCA	Injection Volume (uL):	02755
Vial Number:	B2	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	475555
Recording Time:	5: 84L0502 04/20	Sample Weight:	475555
Run Time (min):	16.00	System Name:	259C52

317	NoReRl e nti o i te	3Ti o	mi l aeR i H8p	mudT μS*i te	r othgR μS	nnyo
1	13.40	g dtto	0.9225	0.031	0.088	BMB



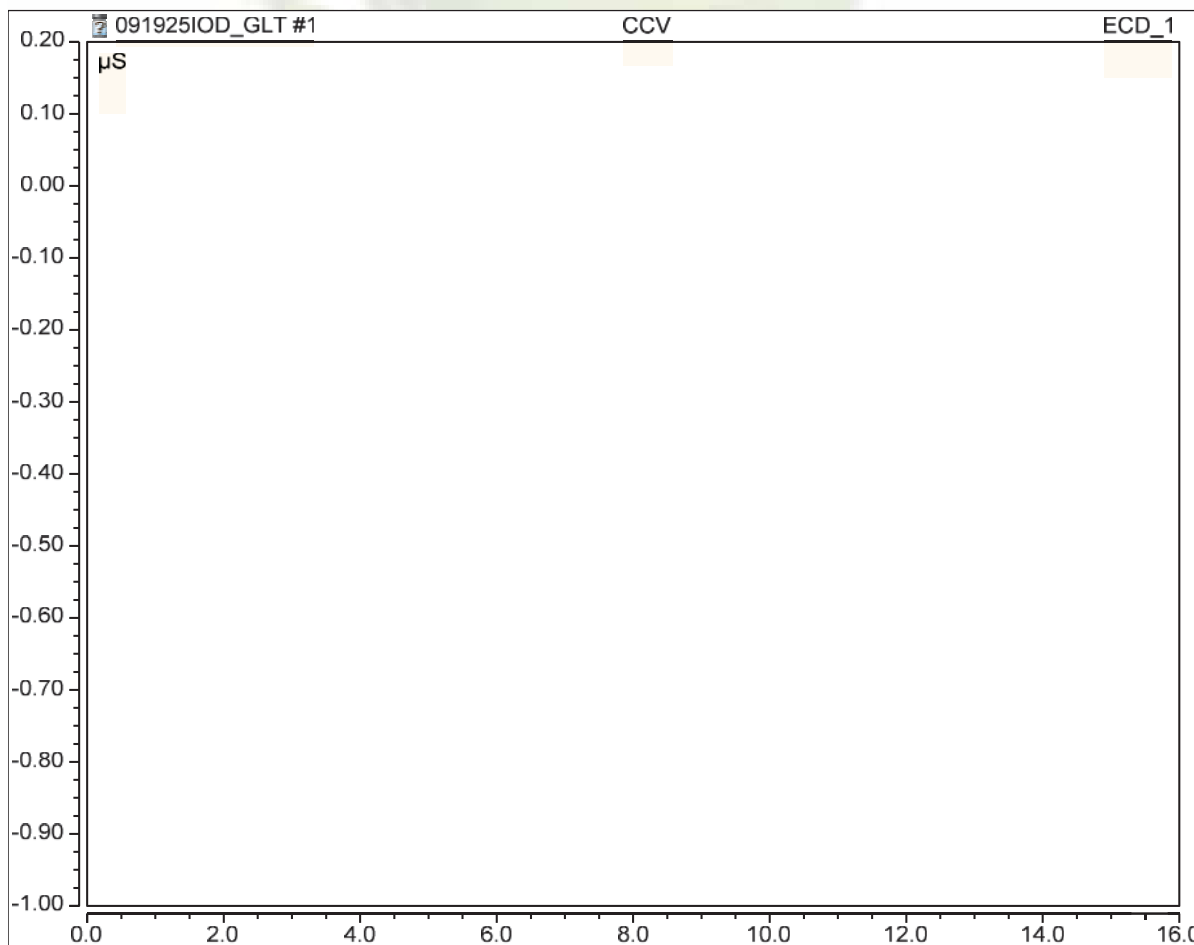
CCV			
6L5444			
Sample Name:	CCV	Injection Volume (uL):	02755
Vial Number:	B1	Channel:	. CED4
Sample Type:	Unknown	Calibration:	5_84402 45/20
Control Program:	50IC05IOD-AS22	Eluent Stock:	L01_52
Quantif. Method:	CAL_IODIDE05	Dilution Factor	47555
Recording Time:	5: 84L0502 00/44	Sample Weight:	47555
Run Time (min):	16.00	System Name:	259C52

317	NoReRI e nti o i te	3Ti o	mi l aeR e77	mud μS* i te	r othgR μS	nnyo
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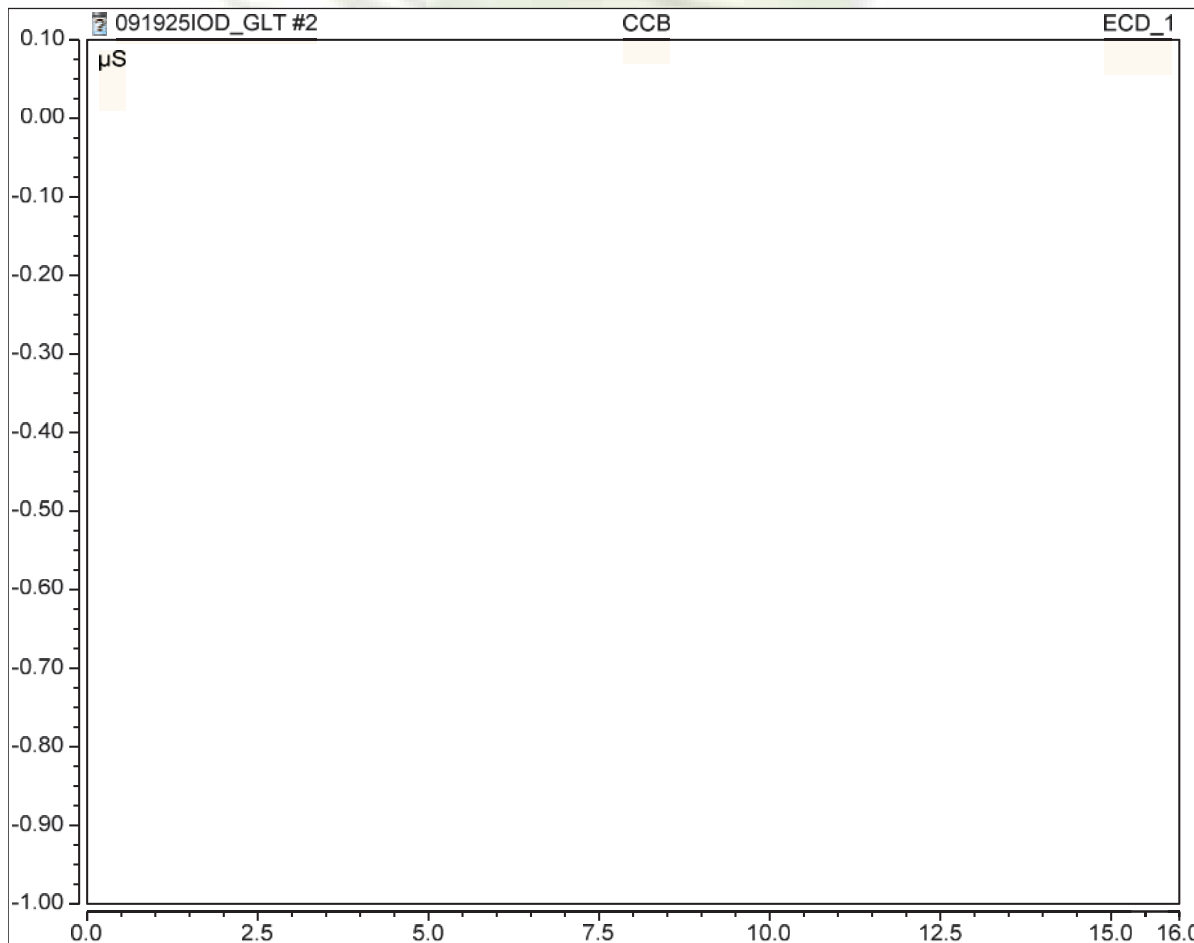
CCA			
L04112			
Sample Name:	CCA	Injection Volume (uL):	0.7511
Vial Number:	B2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 1_10L	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.67	63.4	0.5338	0.037	0.045	BMB



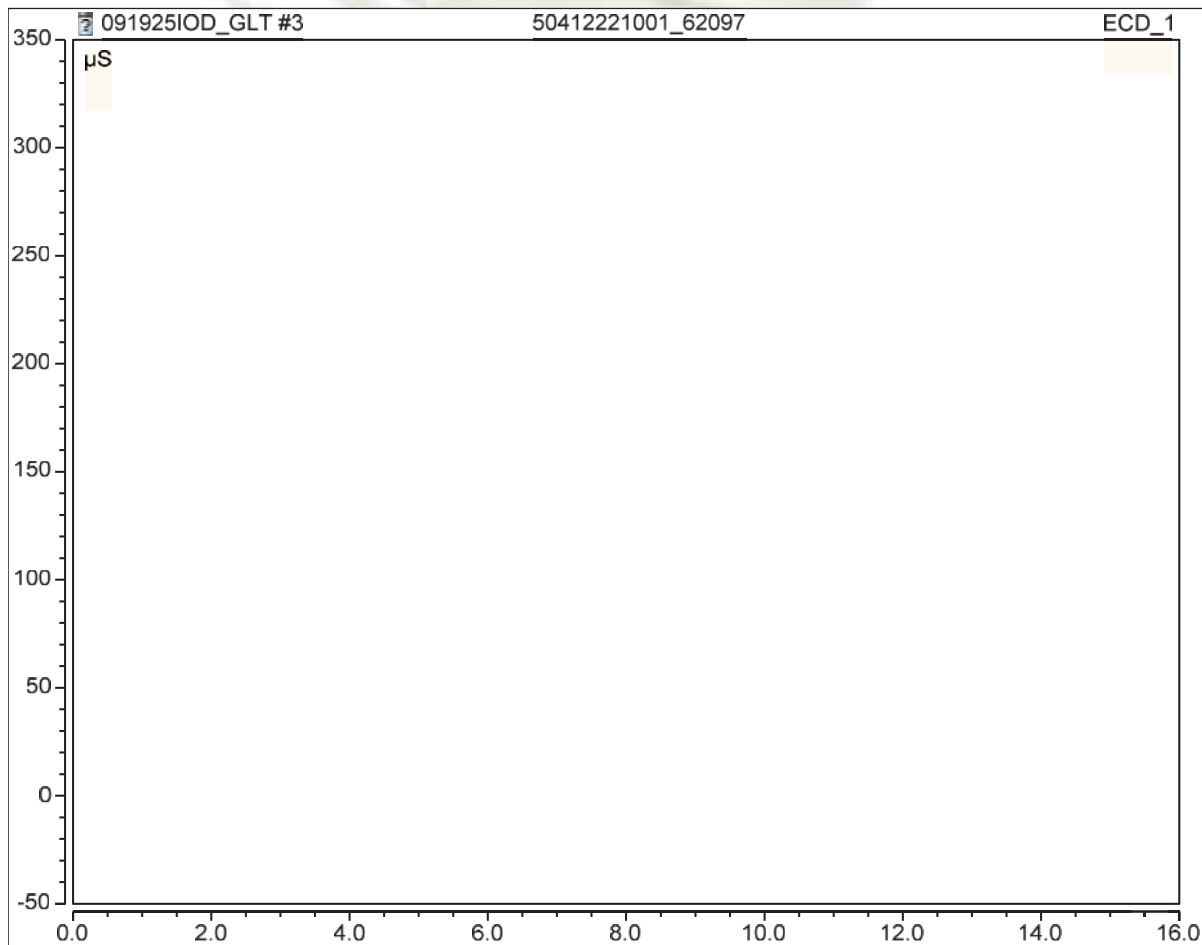
CCd			
VL1222			
Sample Name:	CCd	Injection Volume (uL):	07511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 1_/LL	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I n R t n N n dR	9 i n N	T n 3 n R o R 5 5	T a N i p S S n dR	u N r H o p S	t g h N
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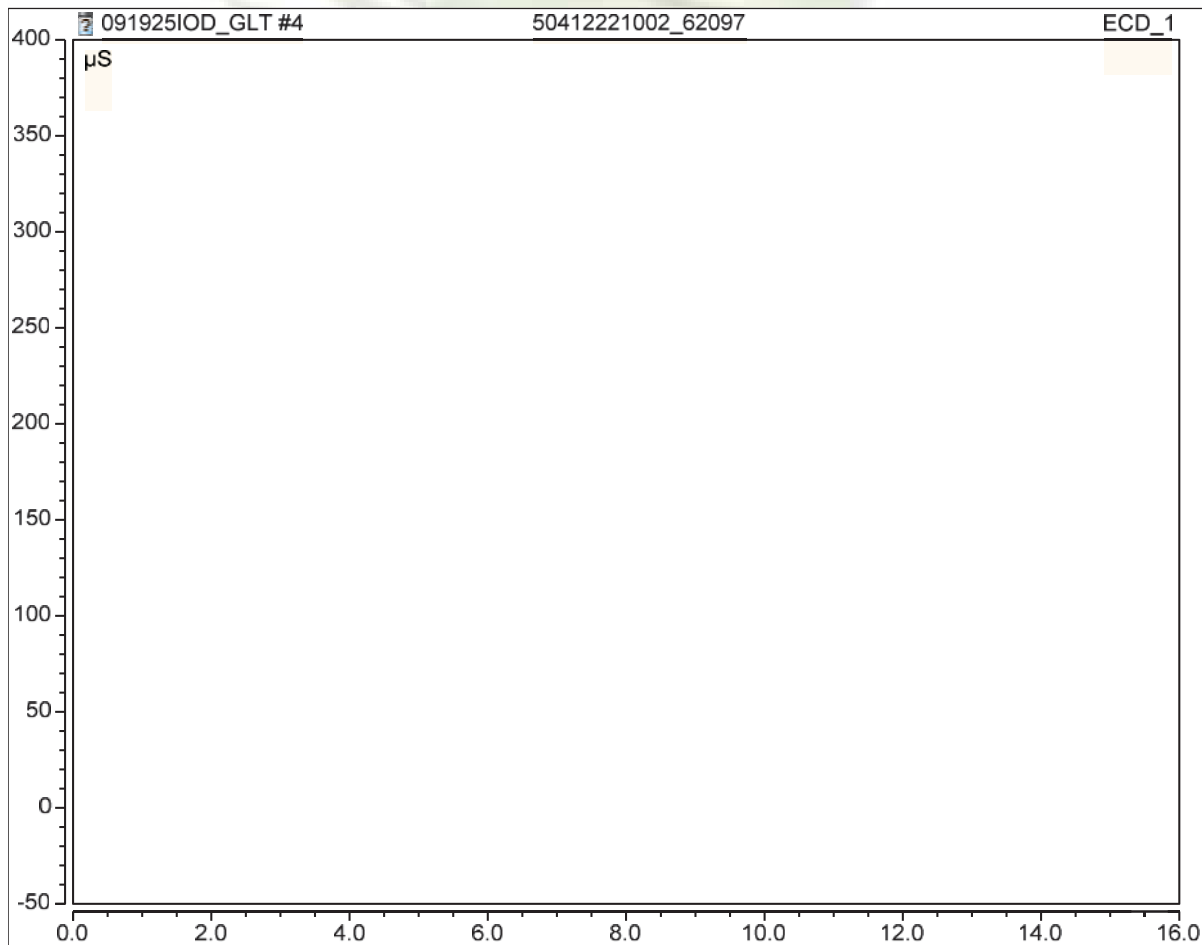
71L20002112 B014:			
Sample Name:	71L20002112DB014:	Injection Volume (uL):	07511
Vial Number:	GA6	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_82287 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14848107 14/1V	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I n d e x	9 i n N	T n 3 n R o	T a N	u N e r H o	t g h N
	n d R		R 5 5	p S S h d R	p S	



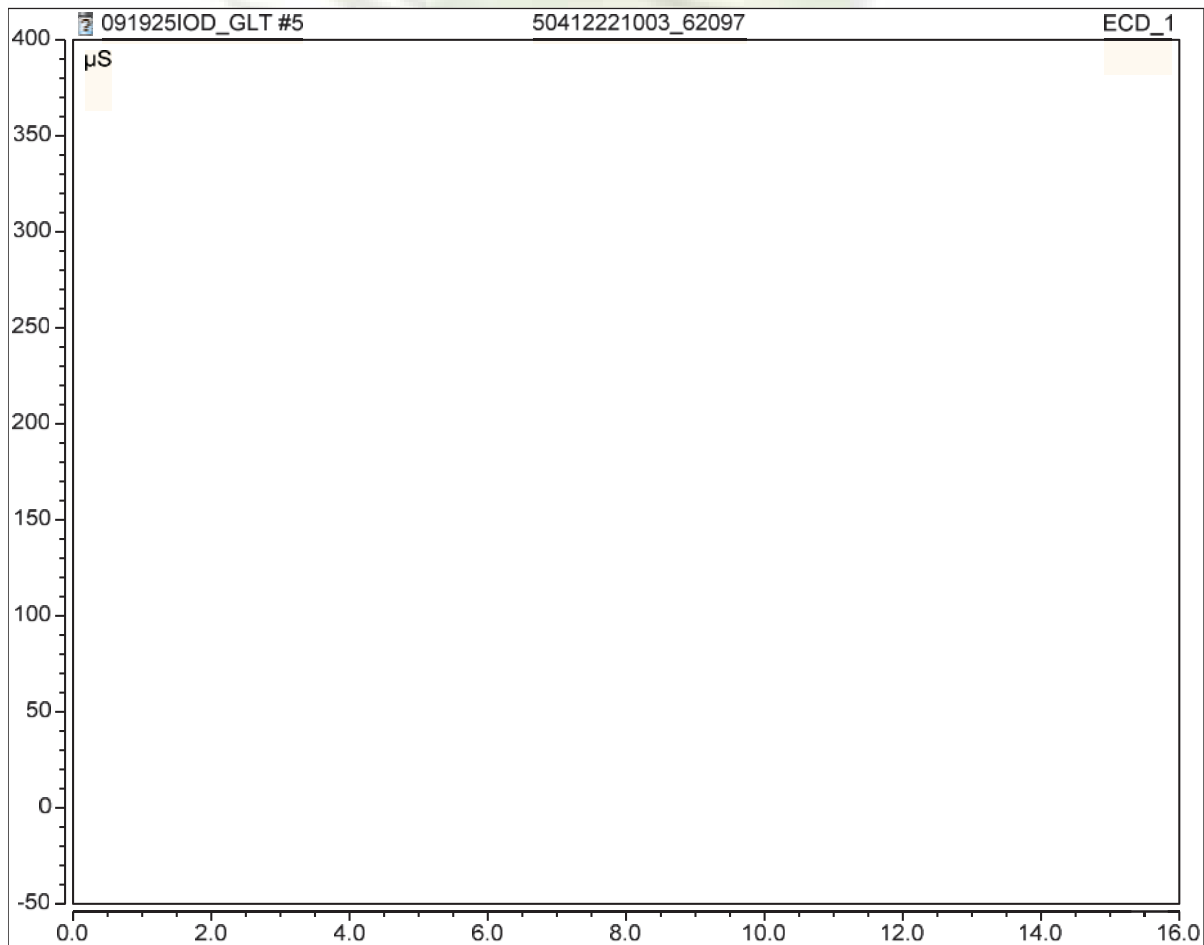
71L20002110 B014:			
Sample Name:	71L20002110B014:	Injection Volume (uL):	07511
Vial Number:	GA7	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 14/00	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I n R t n N n dR	9 i n N	T n 3 n R o R 5 5	T a N p S n dR	u N r H o p S	t g h N
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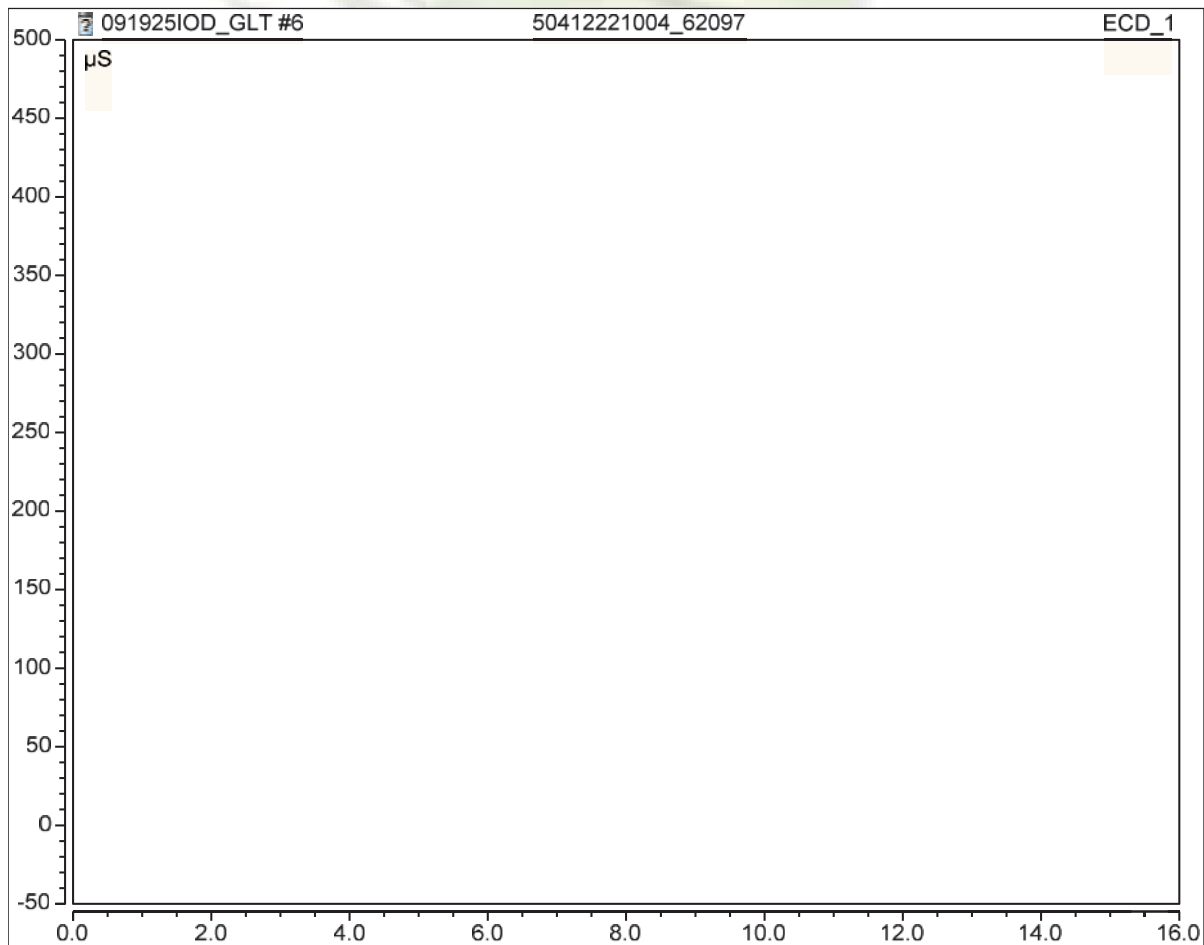
71L2000211V B014:			
Sample Name:	71L2000211V B014:	Injection Volume (uL):	0.7511
Vial Number:	GA8	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14:40:10 7/14/01	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION



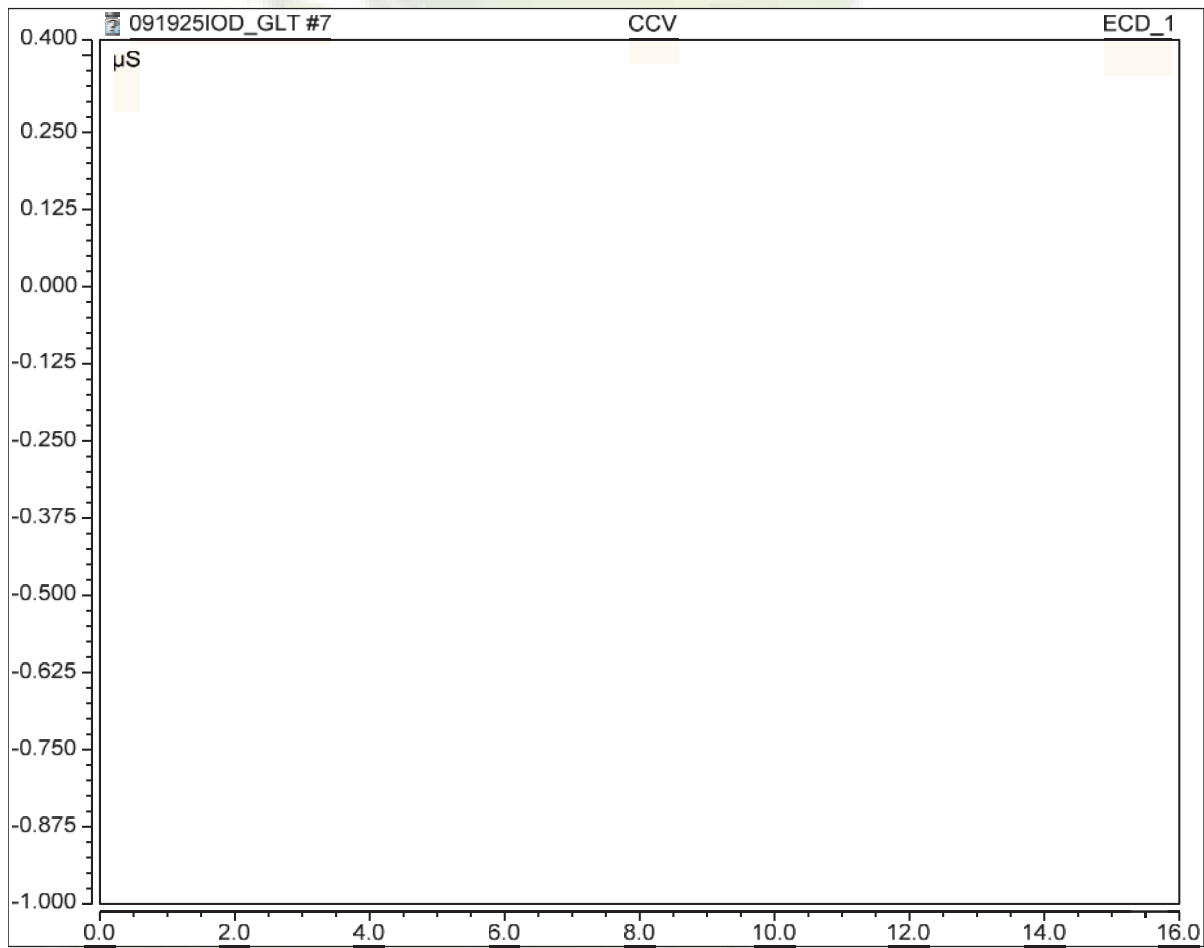
71L2000211L B014:			
Sample Name:	71L2000211LB014:	Injection Volume (uL):	07511
Vial Number:	GB1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 14/7_	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I N R e s R t e n N n dR	9 i n N	T n 3 n R o R 5 5	T a N p S S n dR	u N e H o p S	t g h N
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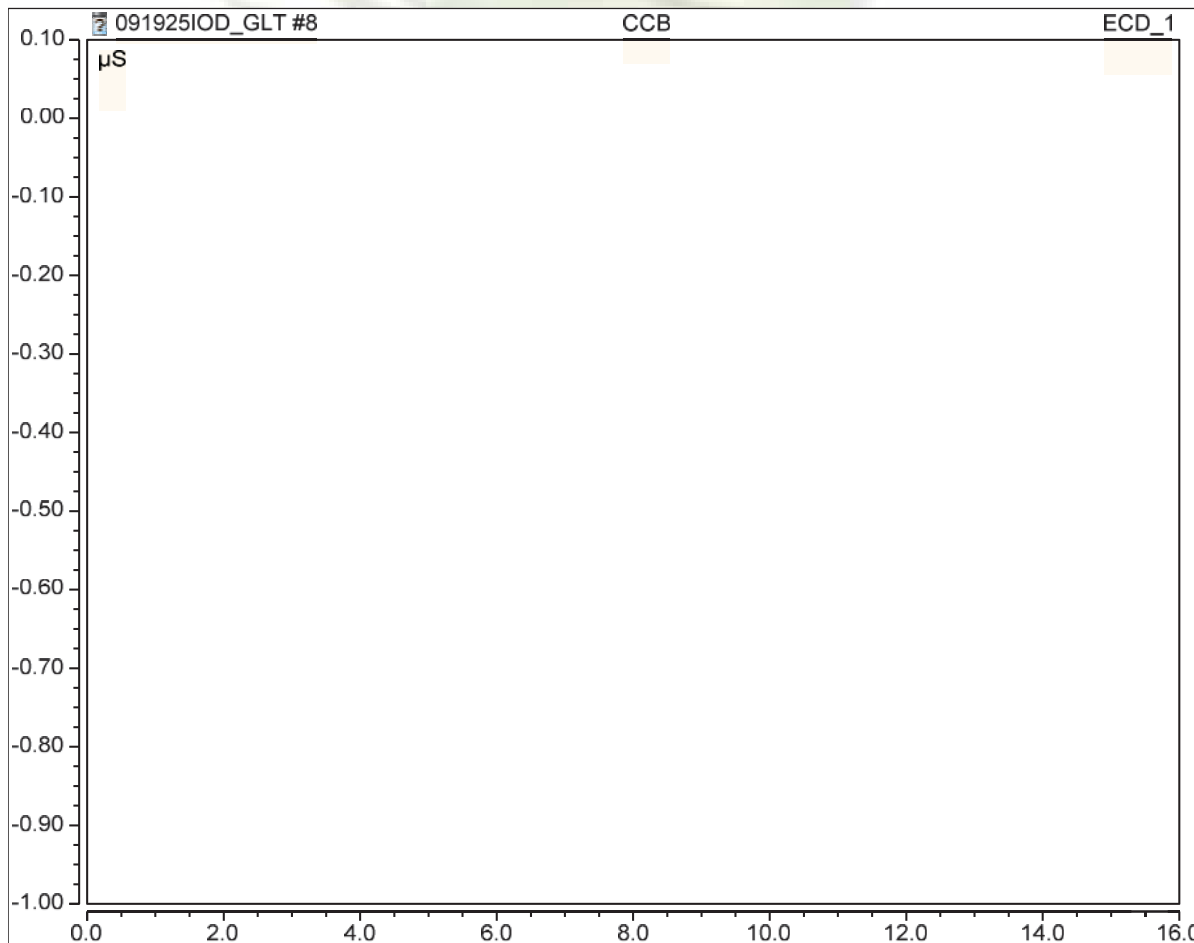
CCA			
L04112			
Sample Name:	CCA	Injection Volume (uL):	07511
Vial Number:	B2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 21/2:	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o R t n N n d R	9 i n N	T n 3 n R o n r 8 y	T a N i p S S n d R	u N r H o p S	t g h N
1	13.67	63* d N	0.5798	0.031	0.045	BMB



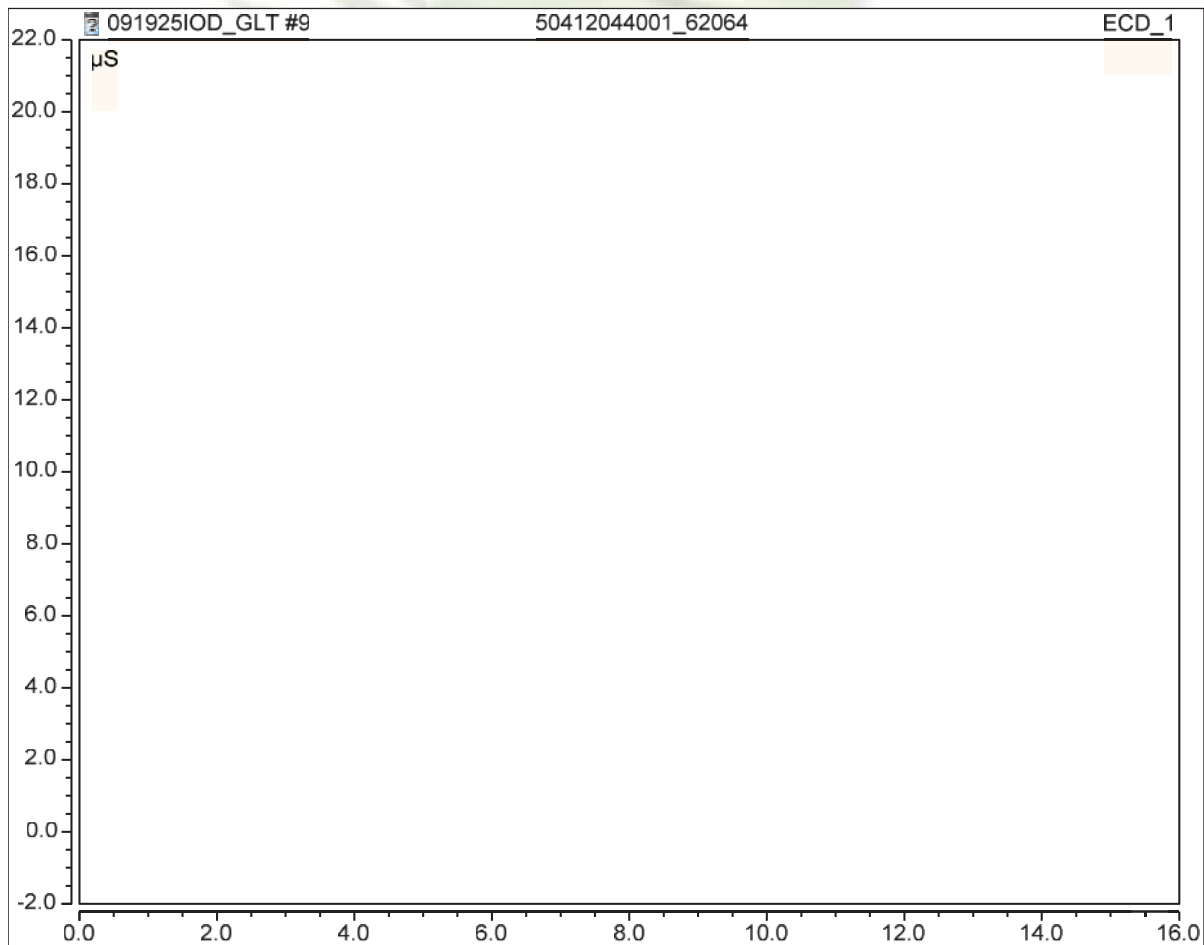
CCd			
VL1222			
Sample Name:	CCd	Injection Volume (uL):	0.7511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14:40:10 7/21/24	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INSTRUMENT	9111	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT
	INSTRUMENT		INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT



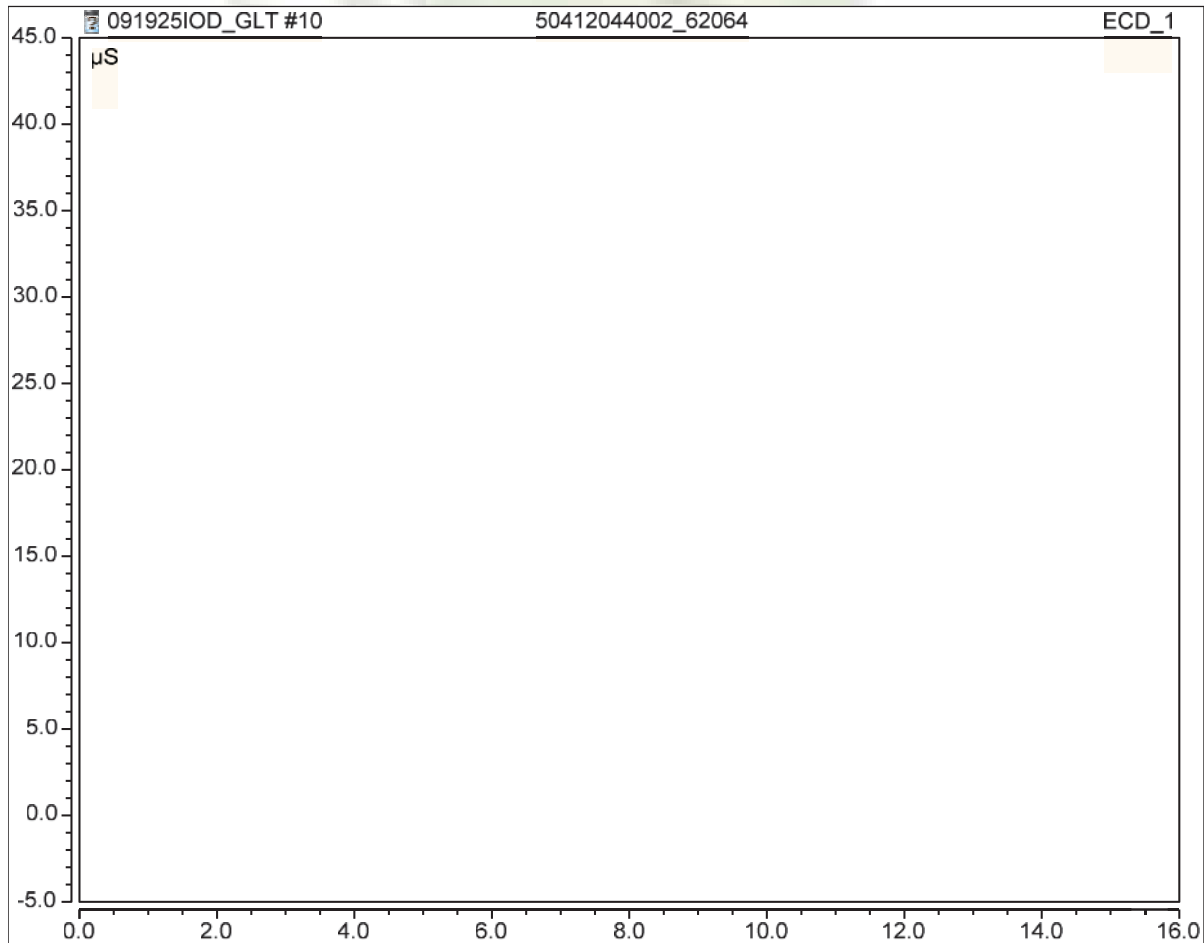
71L201LL112 B01BL			
Sample Name:	71L201LL112B01BL	Injection Volume (uL):	0.7511
Vial Number:	GA1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14:40:10 7/21/05	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION



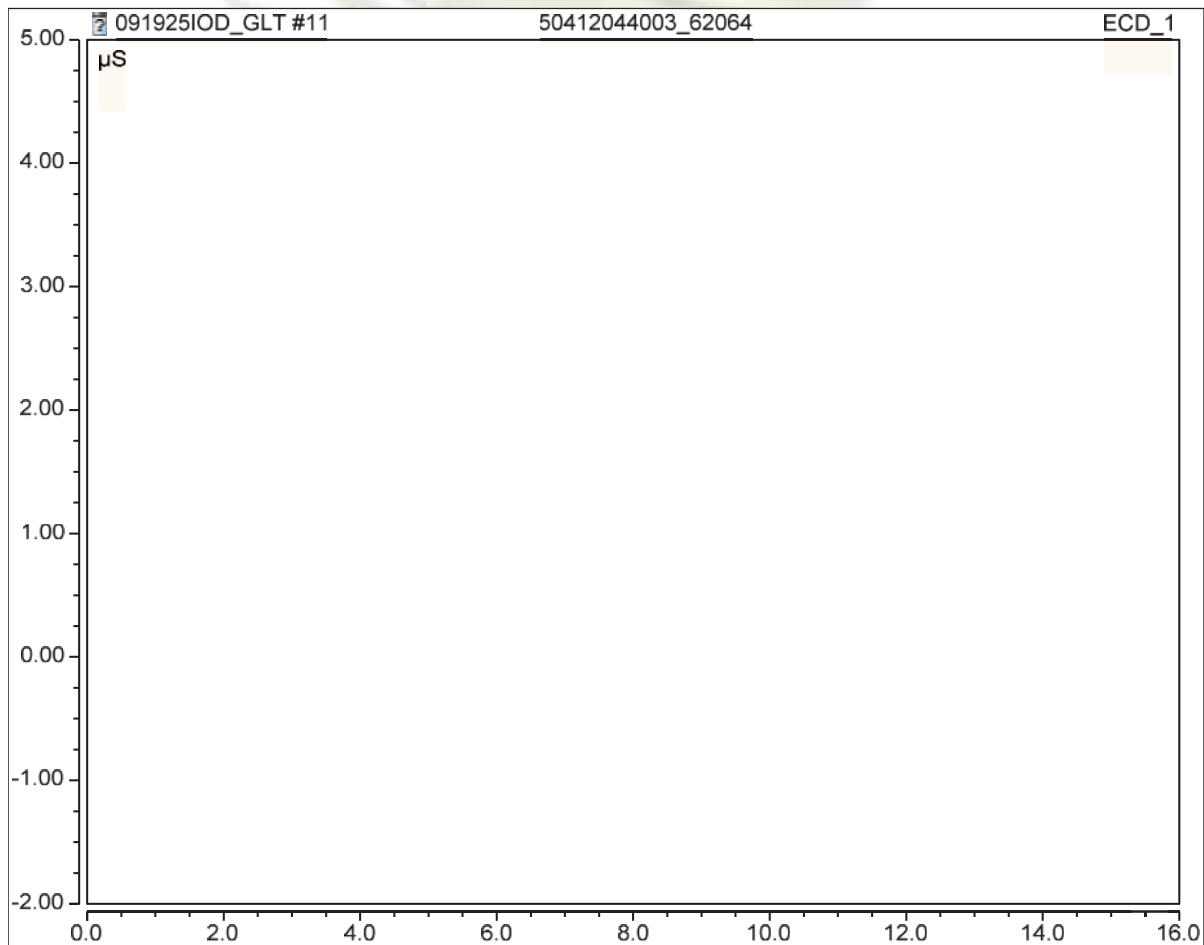
71L201LL110 B01BL			
Sample Name:	71L201LL110B01BL	Injection Volume (uL):	0.7511
Vial Number:	GA2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 22/20	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION



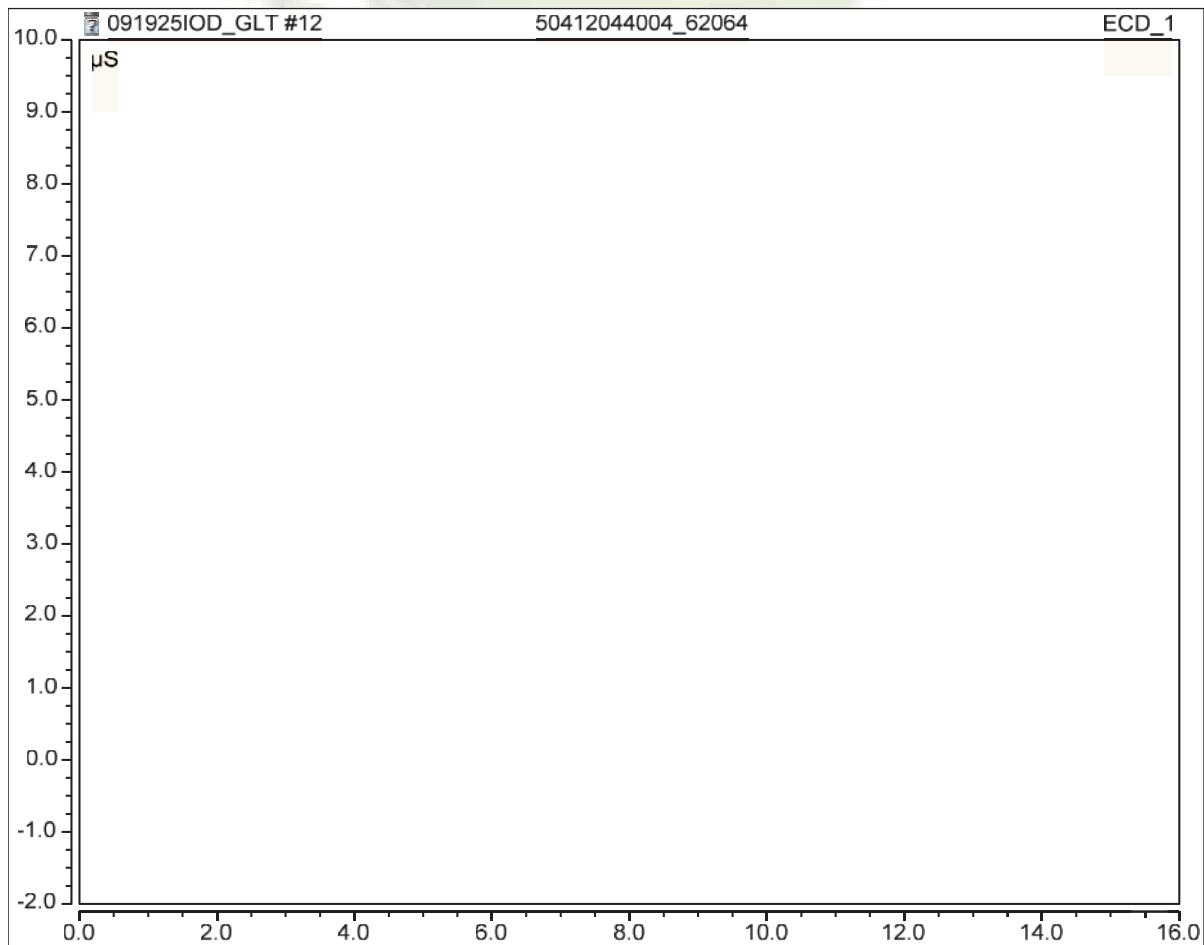
71L201LL11V B01BL			
Sample Name:	71L201LL11VB01BL	Injection Volume (uL):	07511
Vial Number:	GA3	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 22/V1	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I N d R e t e n n e R	9 i n N	T n 3 n R o R 5 5	T a N p S n e R	u N e H o p S	t g h N
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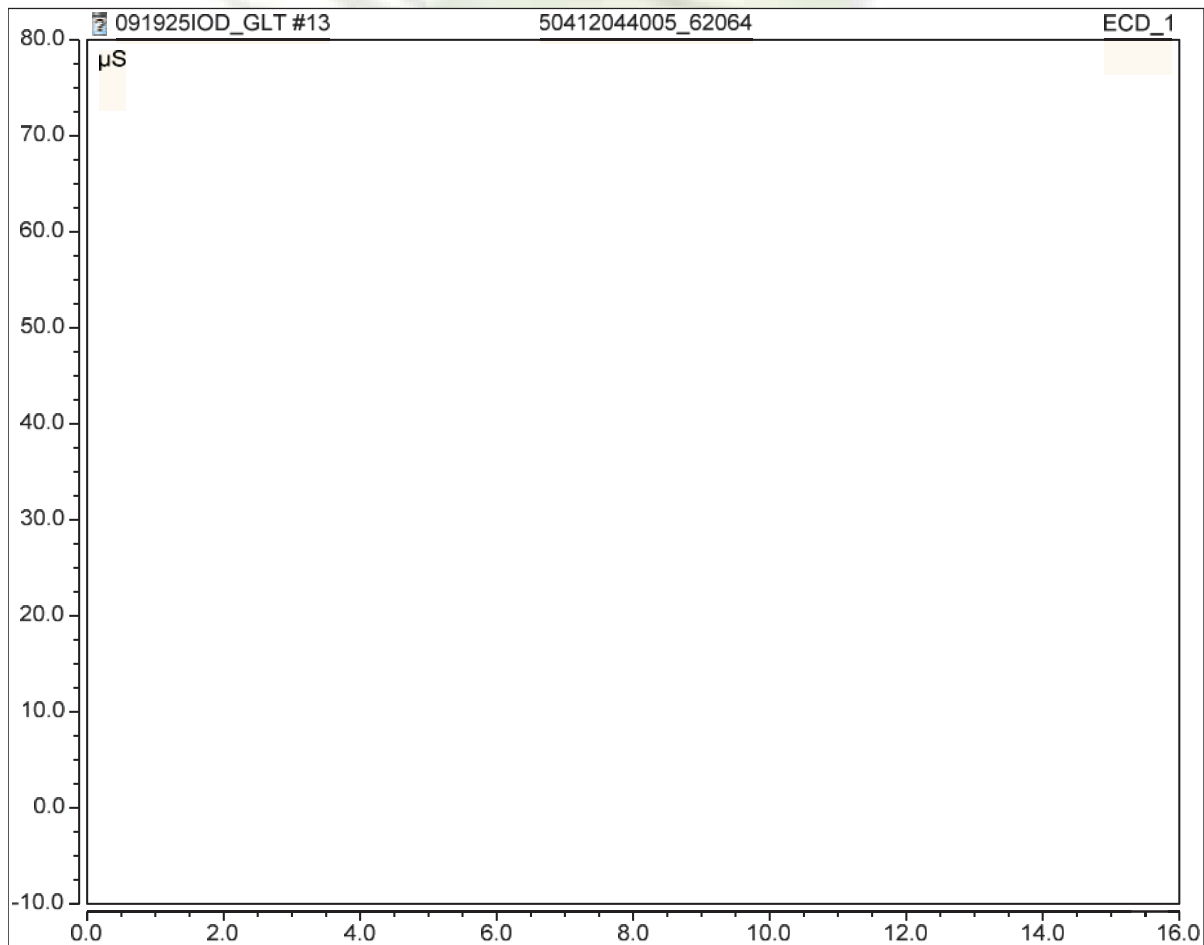
71L201LL11L B01BL			
Sample Name:	71L201LL11LB01BL	Injection Volume (uL):	07511
Vial Number:	GA4	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 22/L_	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o s R t e n N n e R	9 i n N	T n 3 n R o n r 8 y	T a N i p S S n e R	u N e H o p S	t g h N
1	13.35	63* e N	0.0331	0.007	0.006	BMB



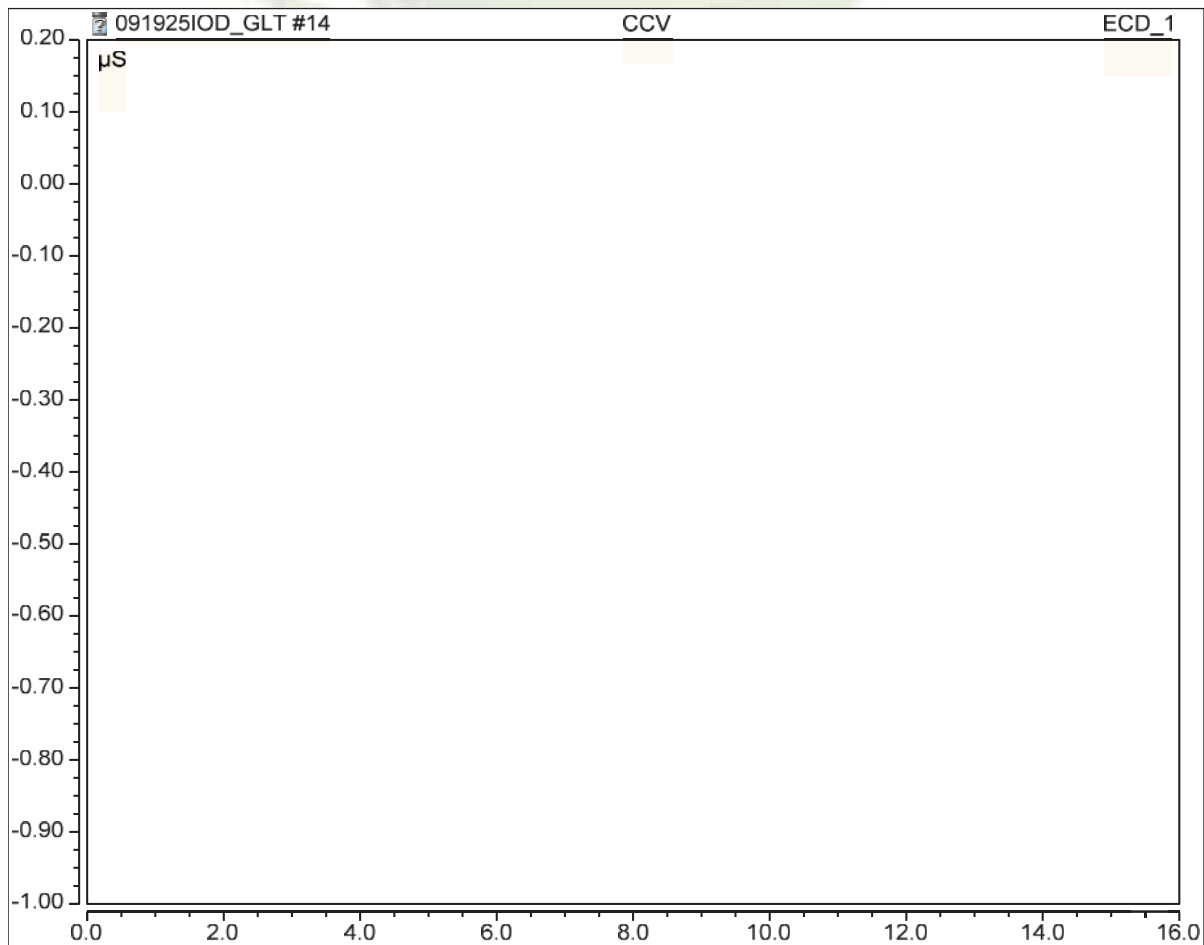
71L201LL117 B01BL			
Sample Name:	71L201LL117DB01BL	Injection Volume (uL):	07511
Vial Number:	GA5	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 20/1:	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N R o R t a n N n dR	9 i n N	T n 3 n R o R 5 5	T a N p S S n dR	u N r H o p S	t g h N
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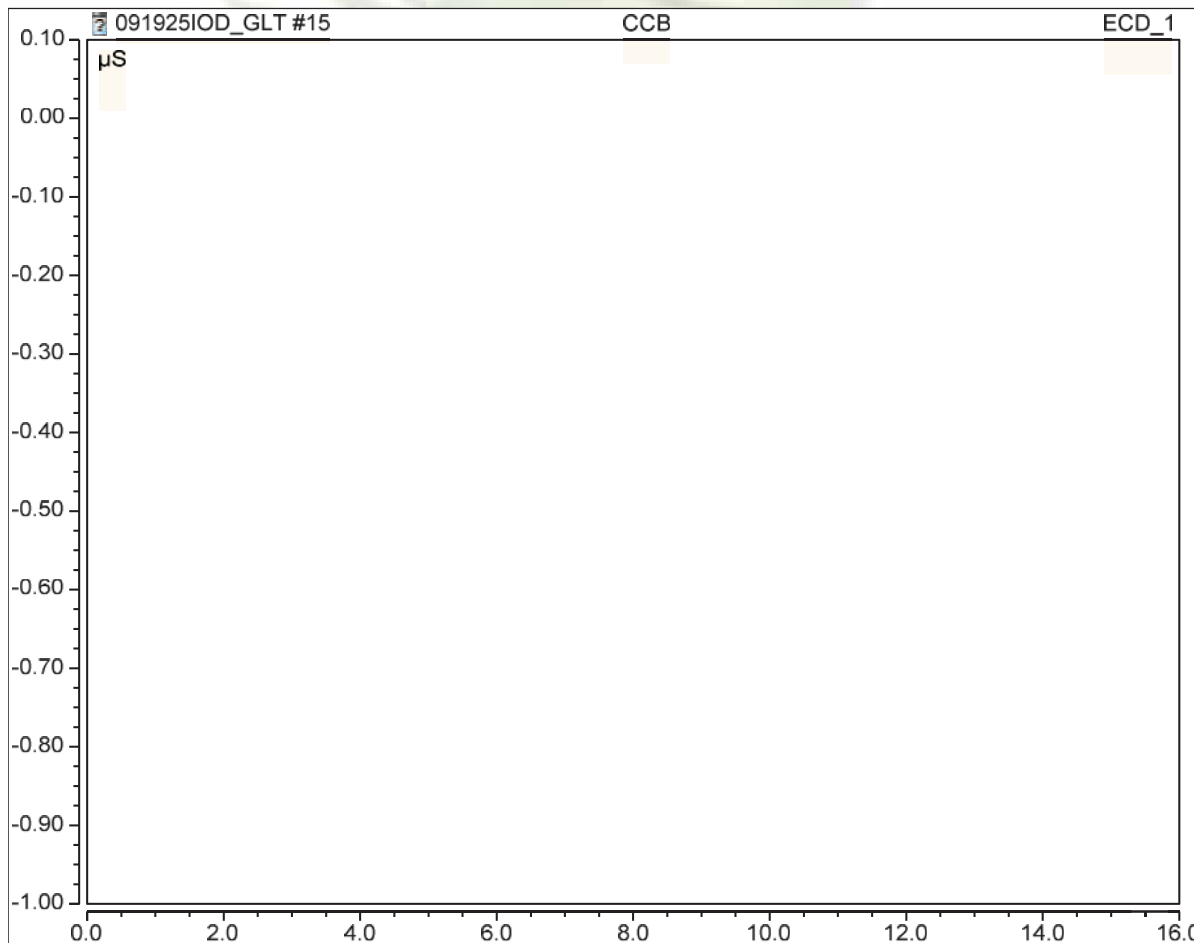
CCA			
L04112			
Sample Name:	CCA	Injection Volume (uL):	07511
Vial Number:	B2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 20/07	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o s R t e n N n e R	9 i n N	T n 3 n R o n r 8 y	T a N i p S S n e R	u N e H o p S	t g h N
1	13.66	63* e N	0.5035	0.031	0.045	BMB



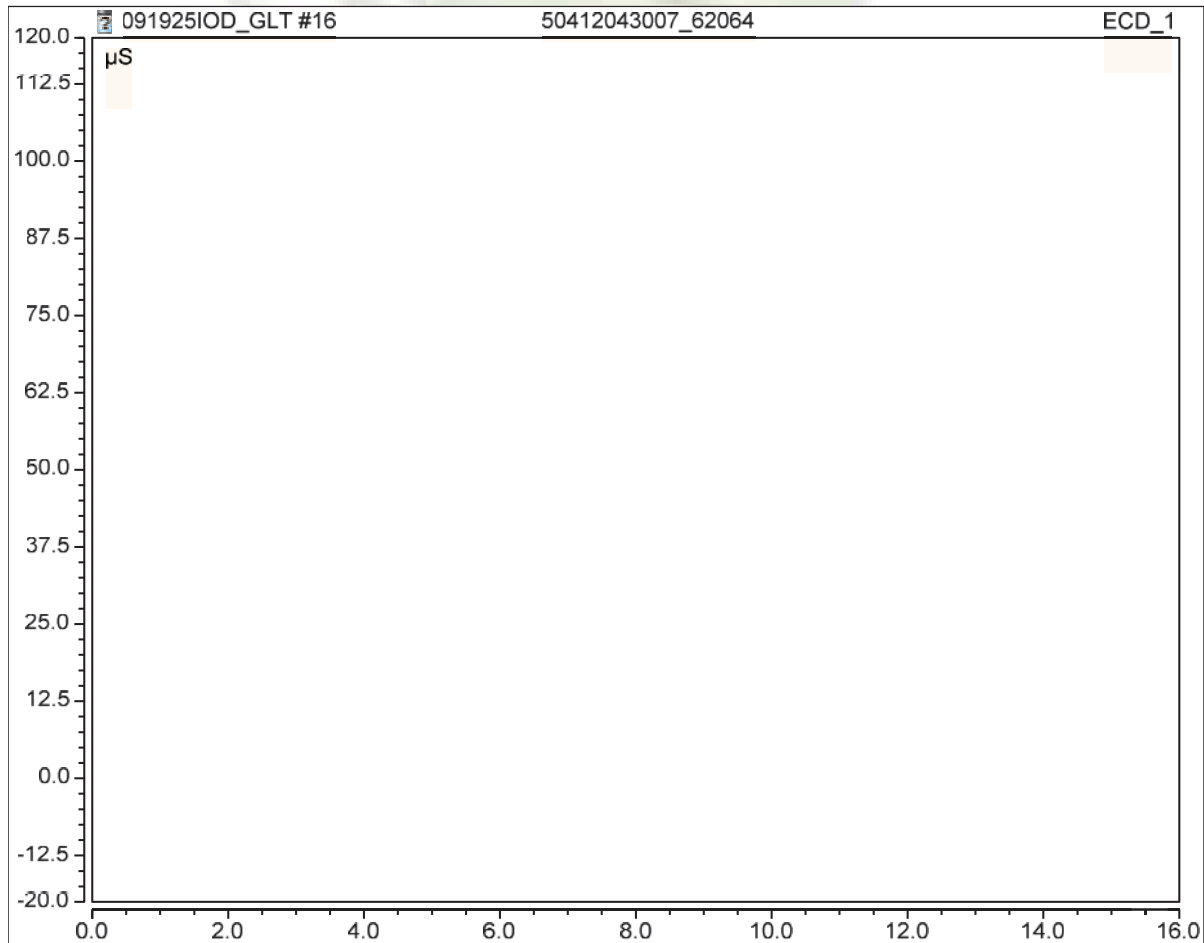
CCd			
VL1222			
Sample Name:	CCd	Injection Volume (uL):	07511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 20/LV	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INSTRUMENT	91111	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT
	INSTRUMENT		INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT



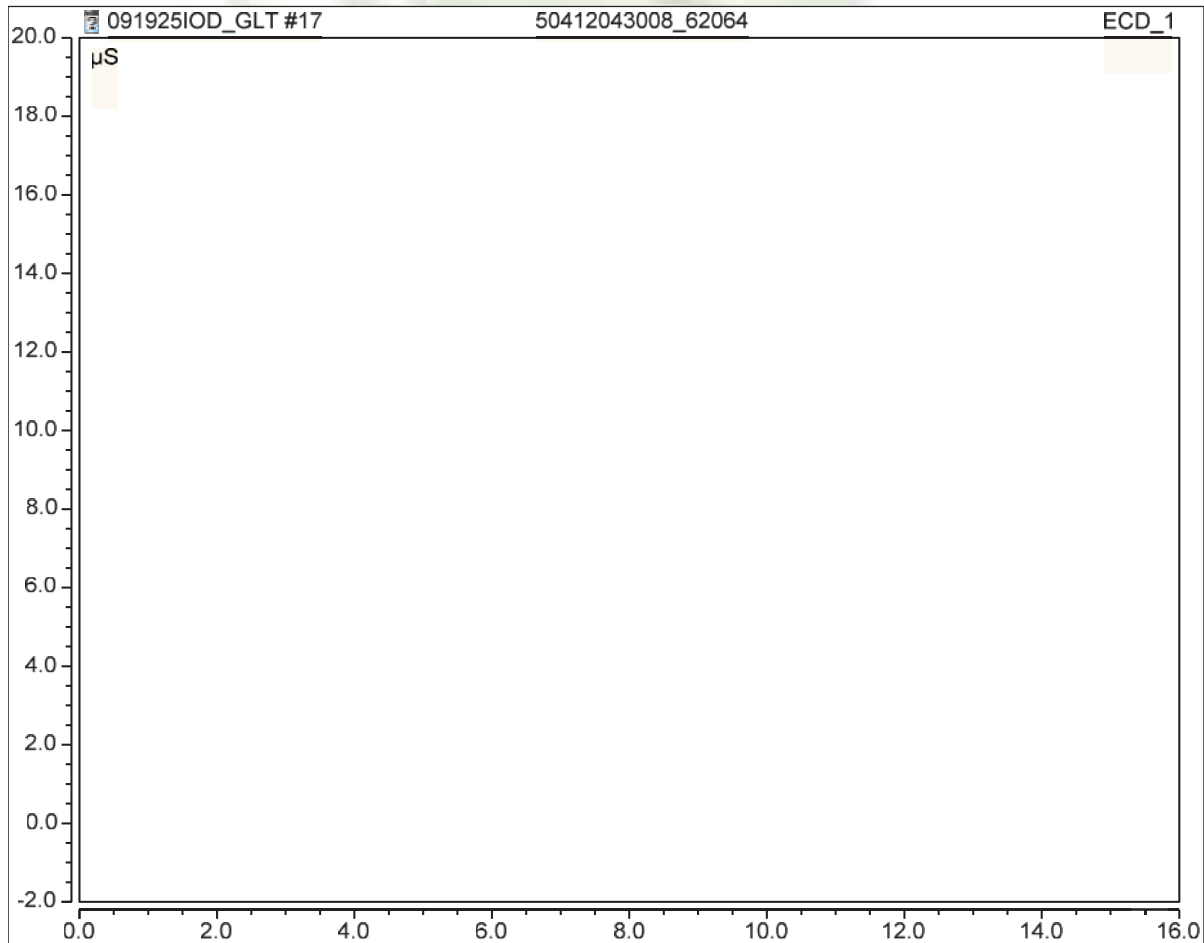
71L201LV11: B01BL			
Sample Name:	71L201LV11: DB01BL	Injection Volume (uL):	07511
Vial Number:	GB2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2V/12	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I n d e x	R t e n	9 i n N	T n 3 n R o	T a N	u N e r H o	t g h N
	n d R			R 5 5	p S S h d R	p S	



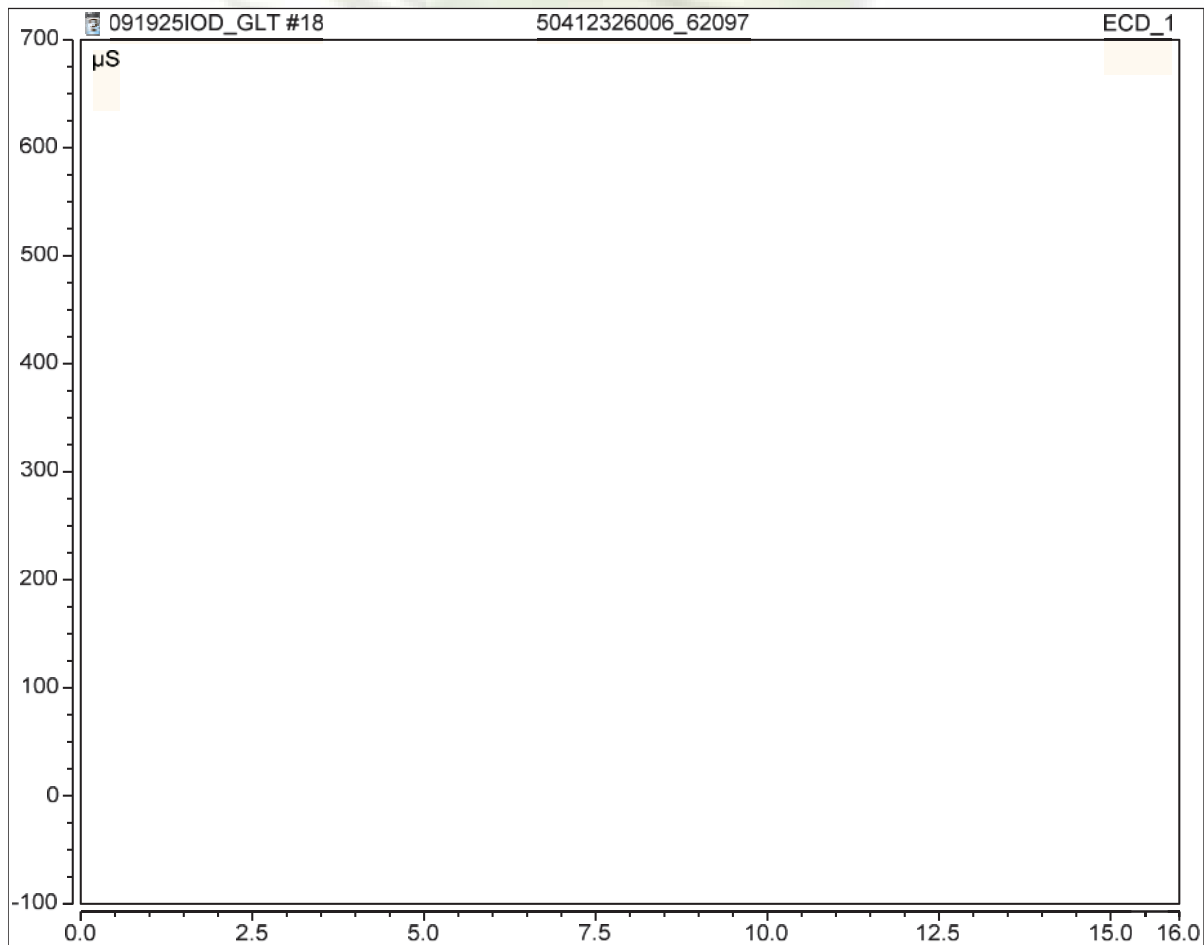
71L201LV11_ B01BL			
Sample Name:	71L201LV11_DB01BL	Injection Volume (uL):	07511
Vial Number:	GB3	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2V/01	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I n d e x	9 i n N	T n 3 n R o	T a N i	u N e r H o	t g h N
	n d R		R 5 5	p S S h d R	p S	



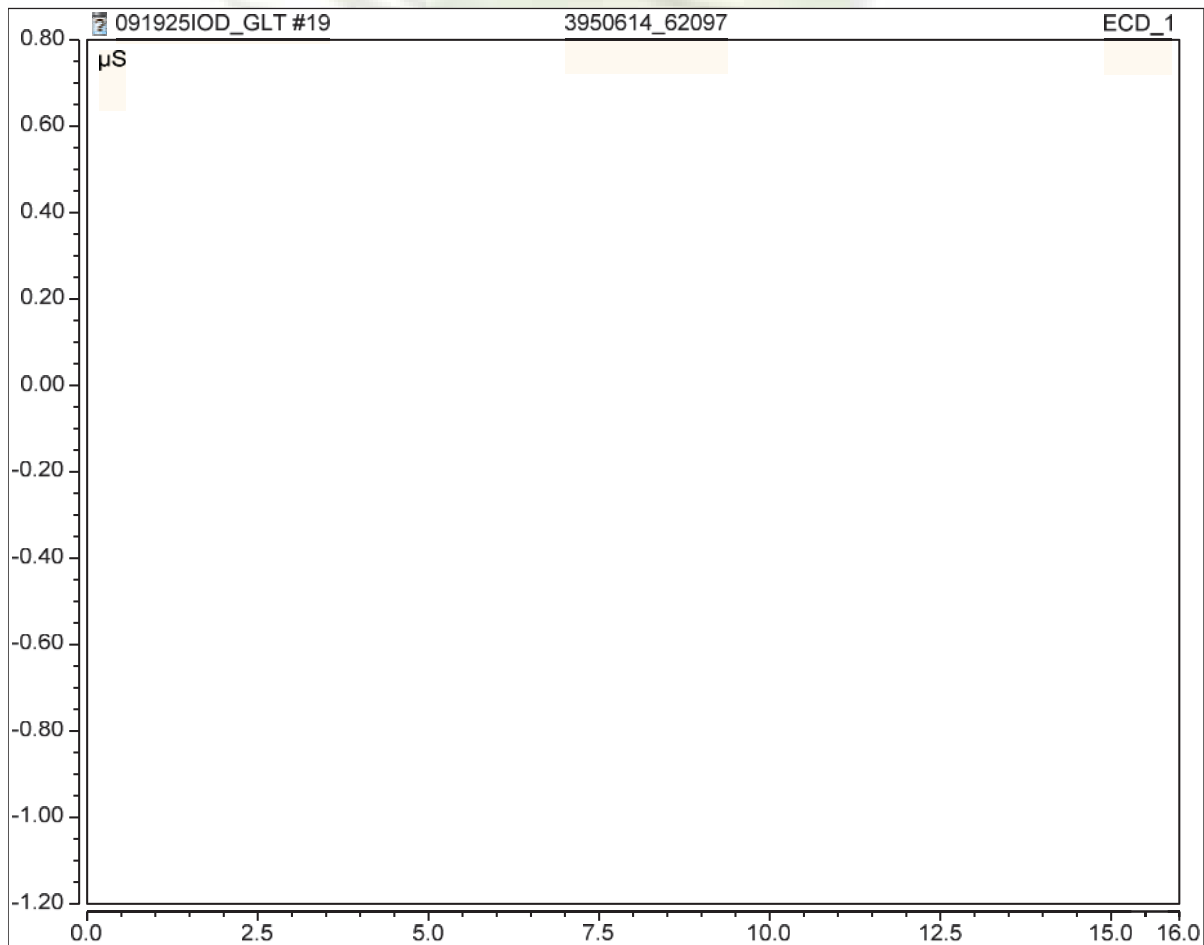
71L20V0B11B B014:			
Sample Name:	71L20V0B11B B014:	Injection Volume (uL):	0.7511
Vial Number:	GB4	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 2V/V_	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION



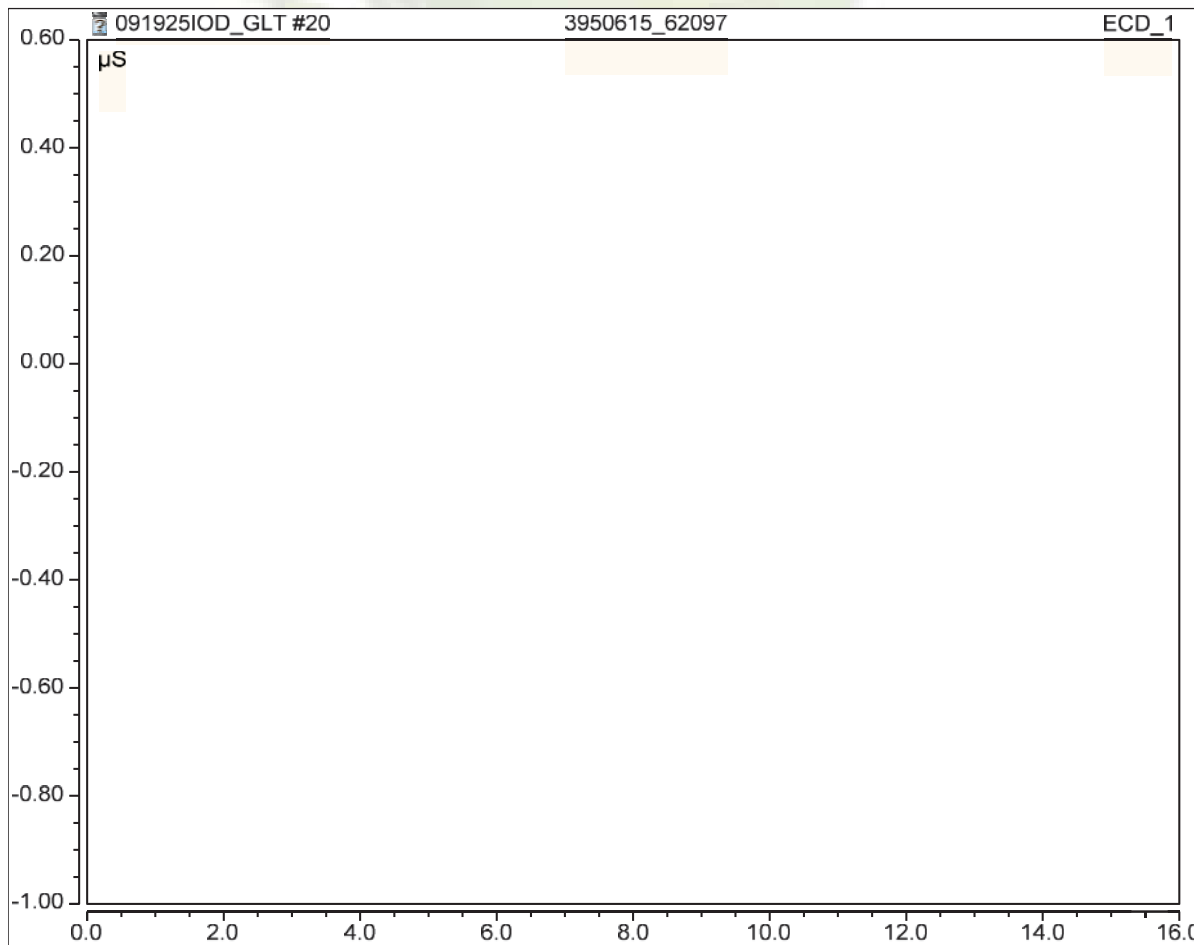
V471B2L B014:			
Sample Name:	V471B2L B014:	Injection Volume (uL):	0.7511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2V/7B	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION



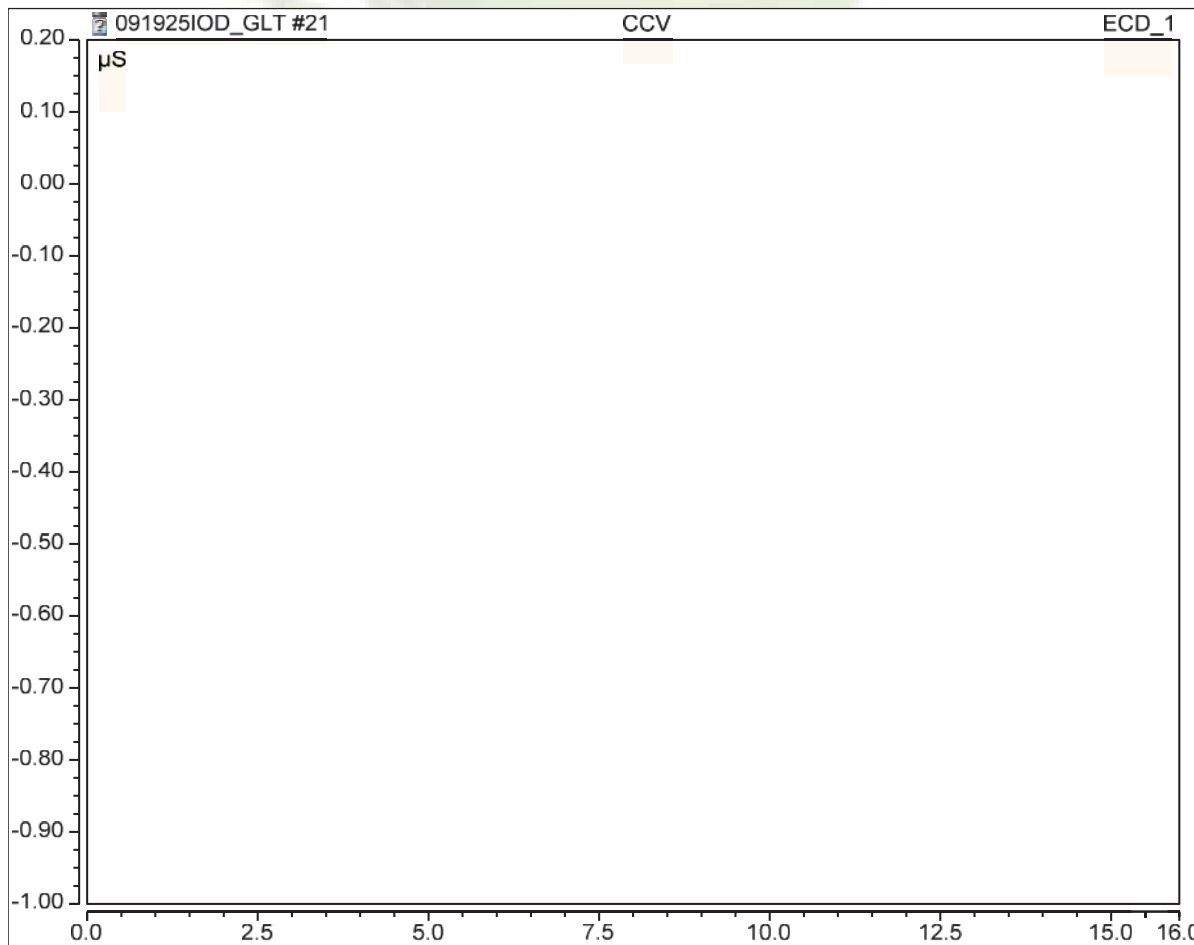
V471B27 B014:			
V: : B 1			
Sample Name:	V471B27B014:	Injection Volume (uL):	07511
Vial Number:	B3	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 21/27	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I N d R o s R t e n N n e R	9 i n N	T n 3 n R o n r &y	T a N i p S S n e R	u N e H o p S	t g h N
1	13.61	63* e N	2.1917	0.187	0.651	BMB



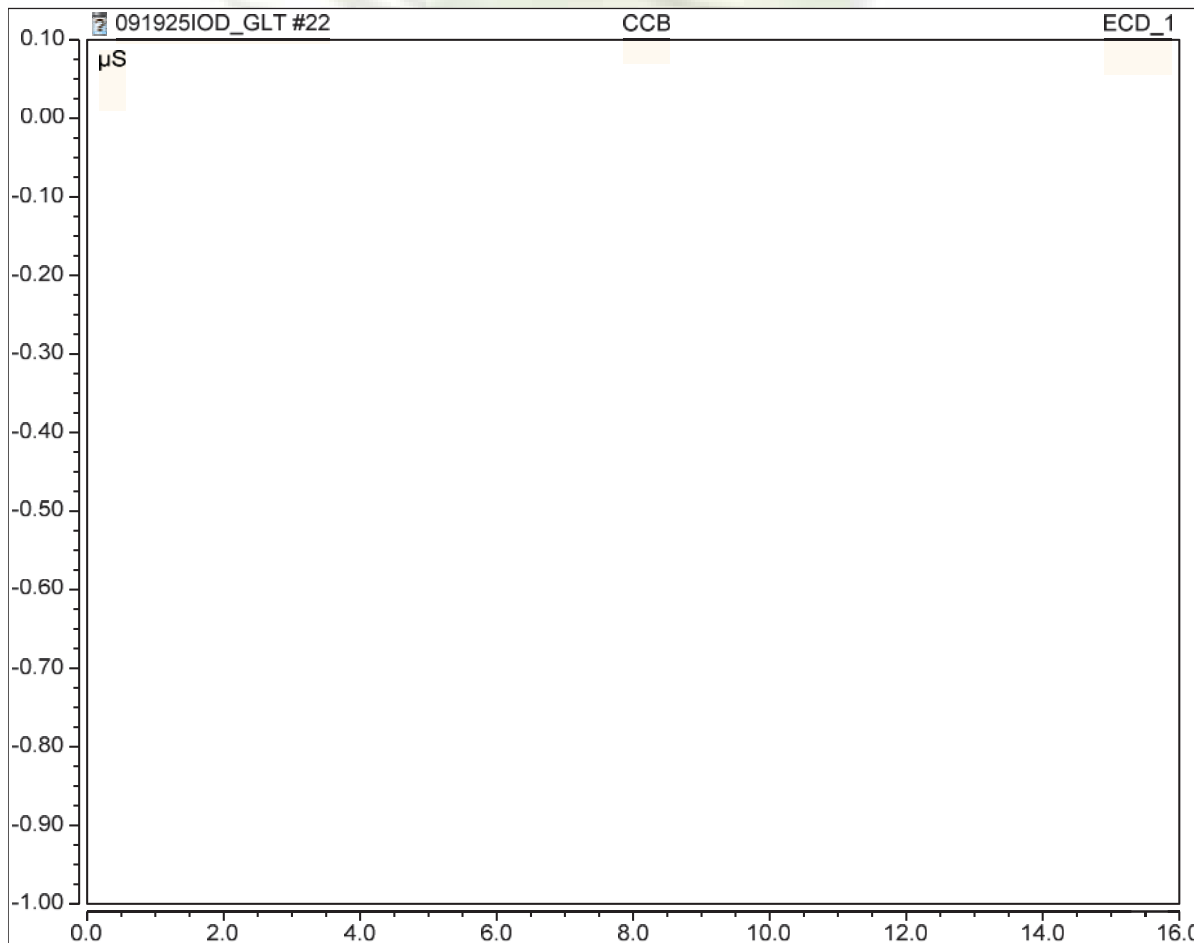
CCA			
L04112			
Sample Name:	CCA	Injection Volume (uL):	0.7511
Vial Number:	B2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2L/VV	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.35	63.4	0.5636	0.037	0.051	BMB



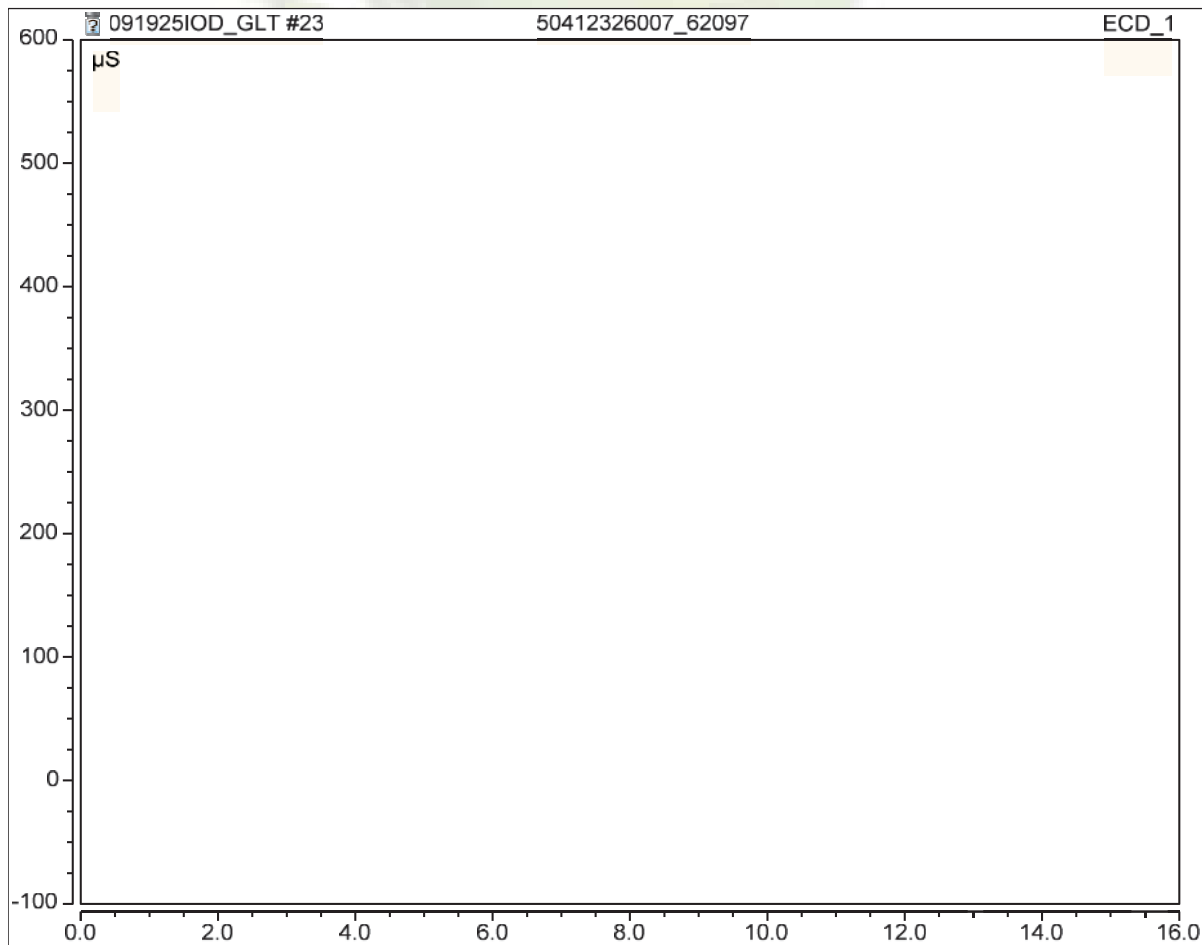
CCd			
VL1222			
Sample Name:	CCd	Injection Volume (uL):	0.7511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_022807 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	251111
Recording Time:	14:48:10 7/21/72	Sample Weight:	251111
Run Time (min):	16.00	System Name:	716C17

935	INSTRUMENT	91111	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT
	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT	INSTRUMENT



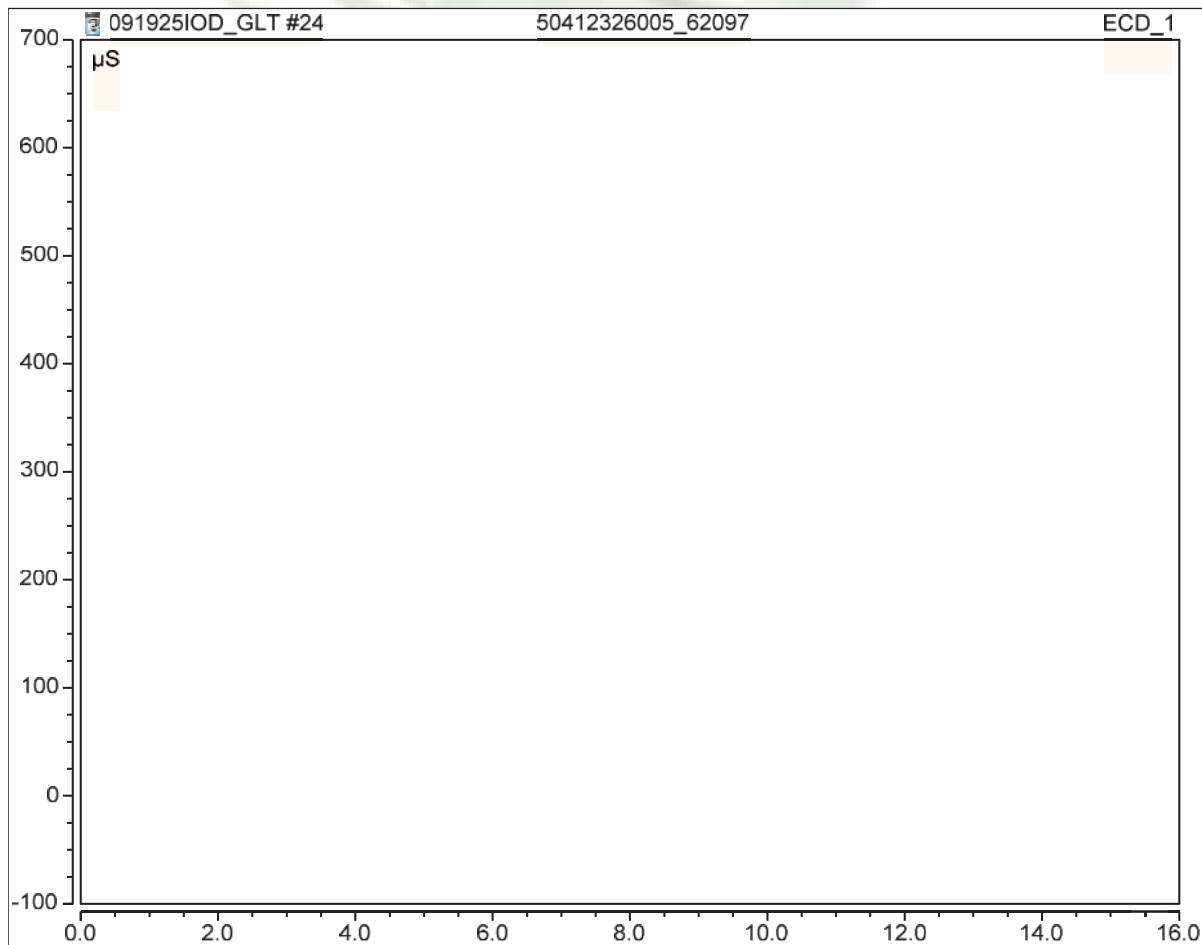
71L20V0B11: B014:			
Sample Name:	71L20V0B11: B014:	Injection Volume (uL):	0.7511
Vial Number:	GB5	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 27/14	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.09	0.0818	0.003	0.000	BMB	



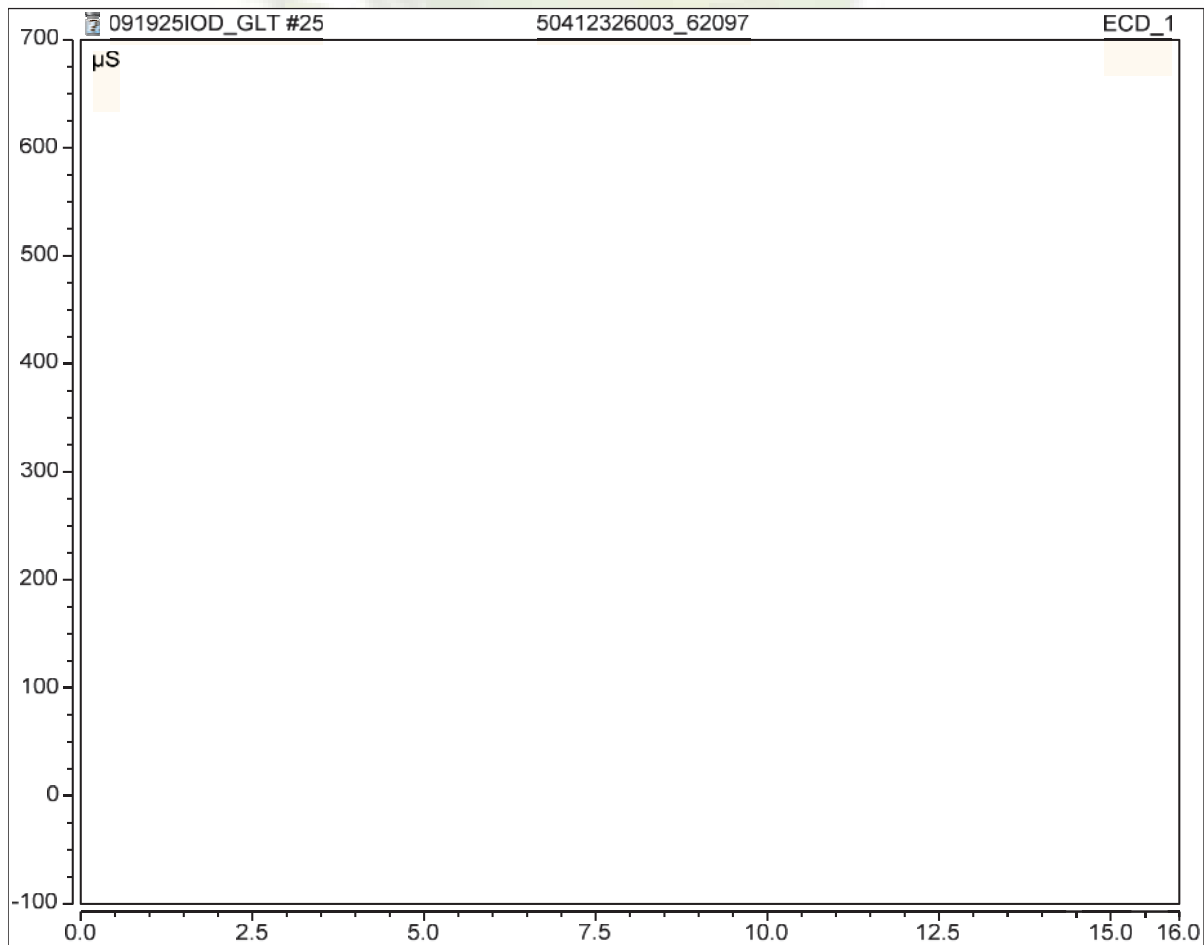
71L20V0B117 B014:			
Sample Name:	71L20V0B117B014:	Injection Volume (uL):	07511
Vial Number:	GB6	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 27/0_	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I n d e x	R t e n N	9 i n N	T n 3 n R o	T a N	u N e r H o	t g h N
	n d r			R 5 5	p S S n d r	p S	



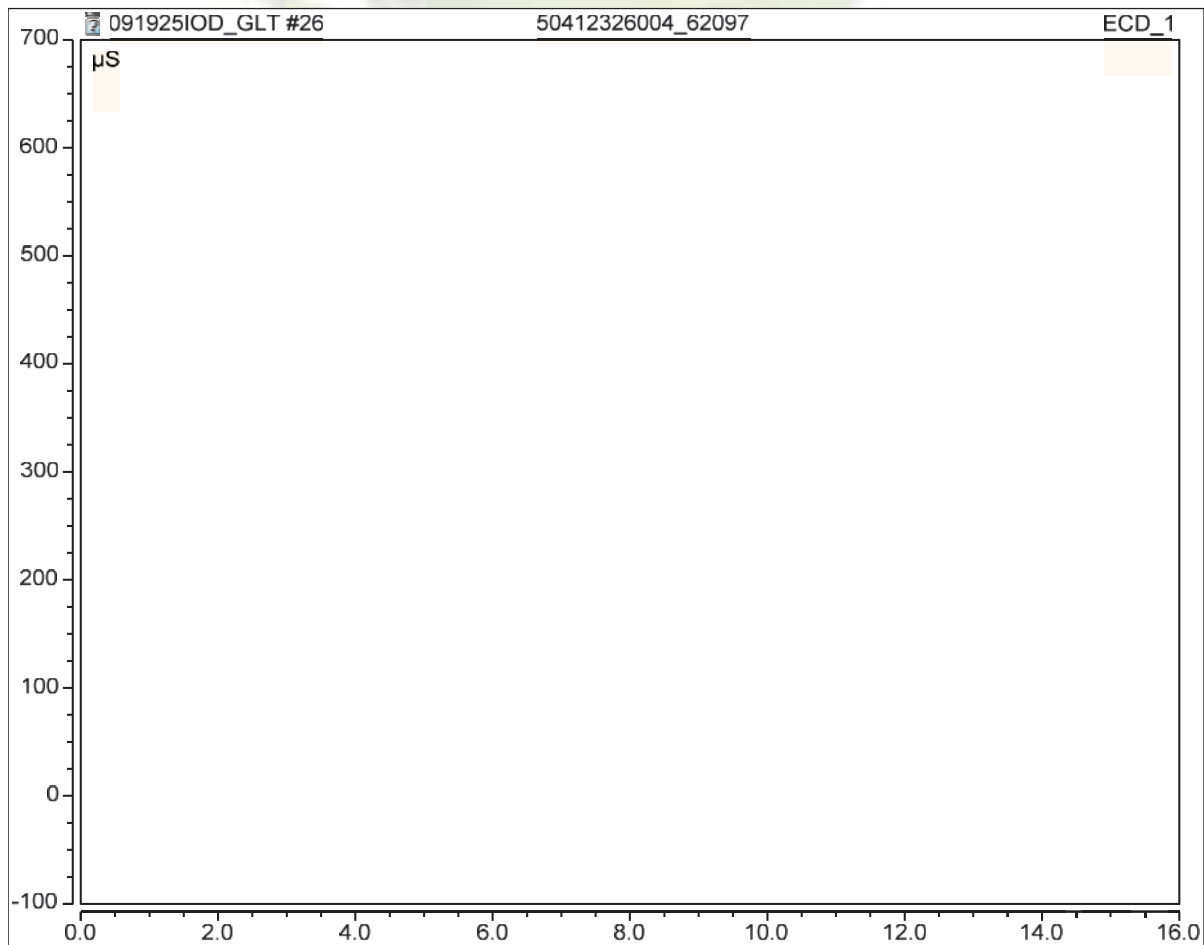
71L20V0B11V B014:			
Sample Name:	71L20V0B11V B014:	Injection Volume (uL):	07511
Vial Number:	GB7	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 27/LB	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o s R t e n N n e R	9 i n N	T n 3 n R o n r g y	T a N i p S S n e R	u N e H o p S	t g h N
1	13.34	63* e N	0.0305	0.007	0.002	BMB



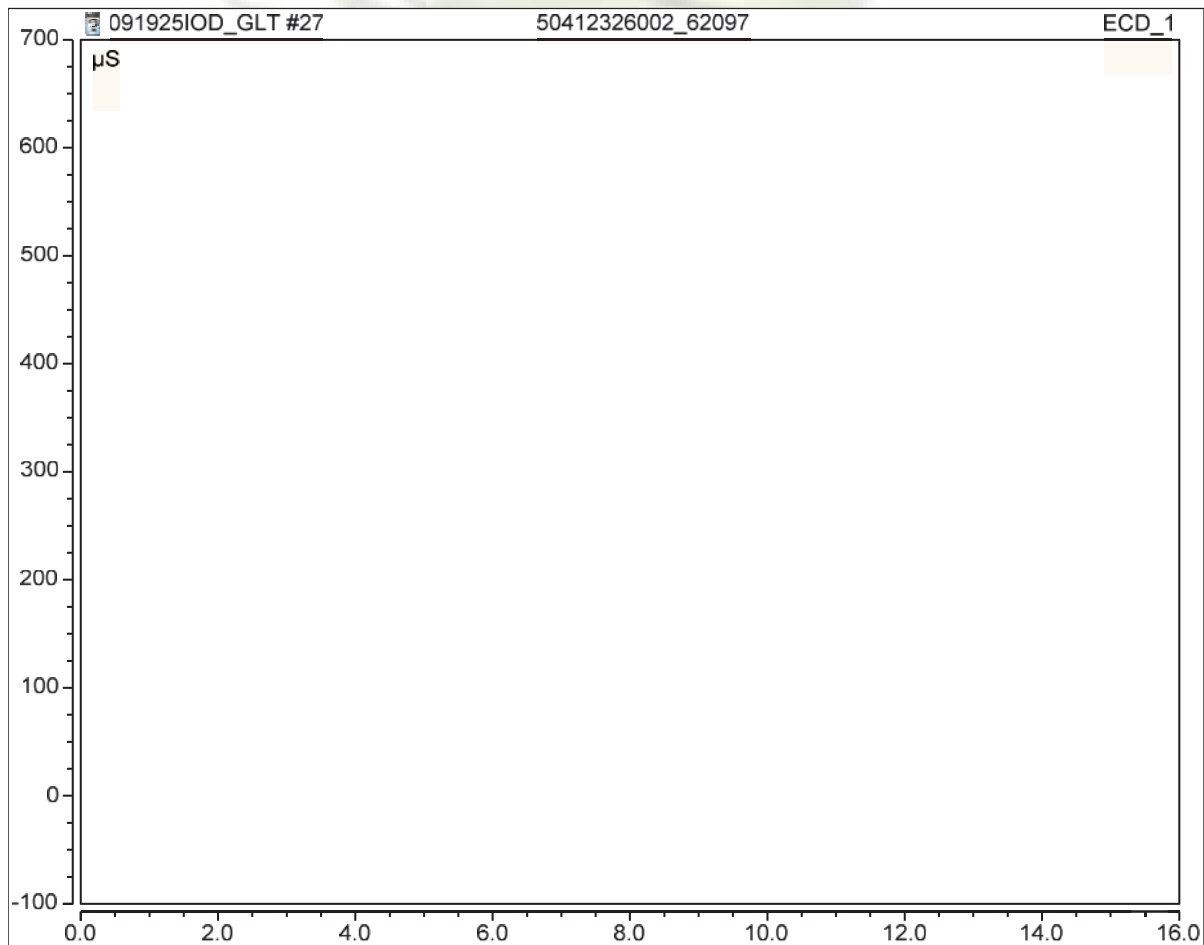
71L20V0B11L B014:			
Sample Name:	71L20V0B11LDB014:	Injection Volume (uL):	0.7511
Vial Number:	GB8	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2B/1L	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.35	63.4 N	0.0652	0.007	0.009	BMB



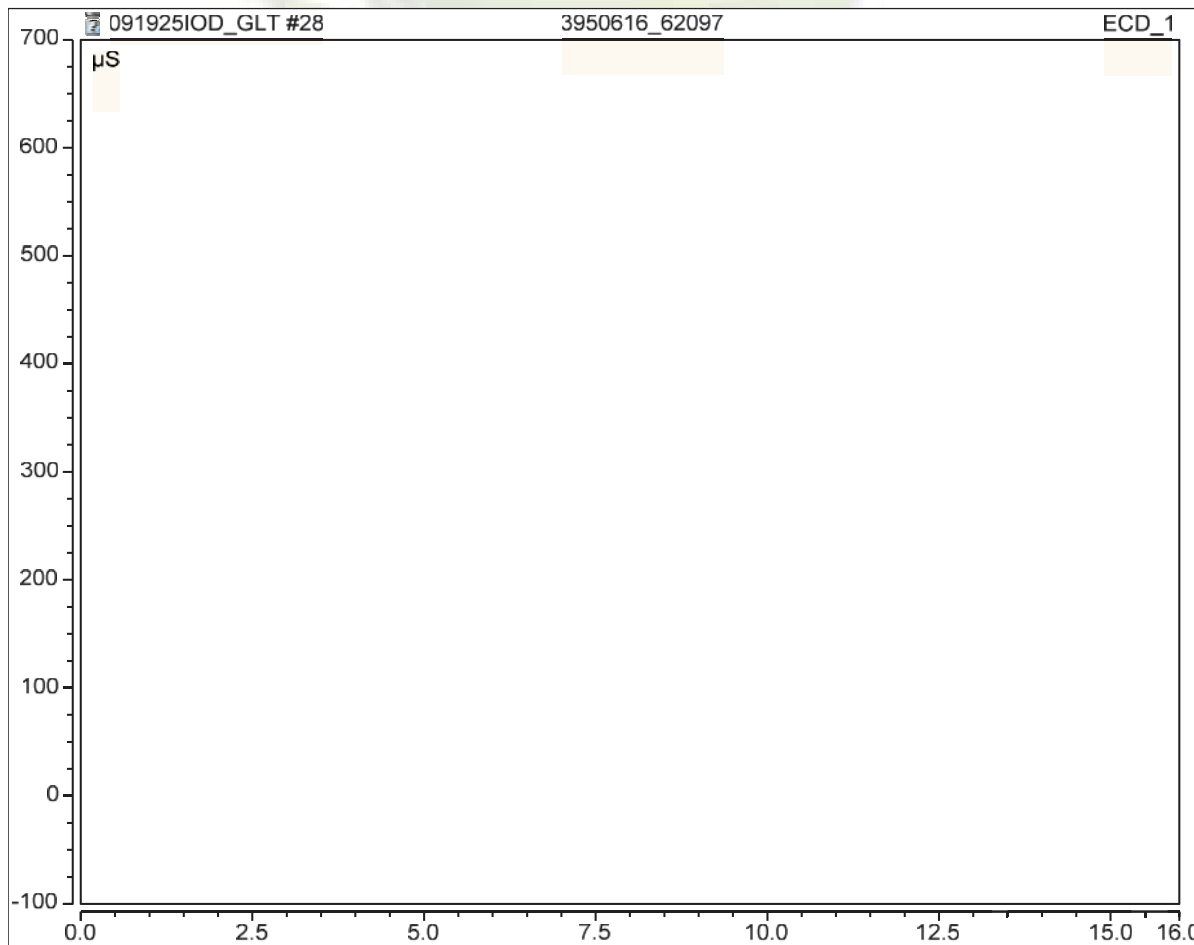
71L20V0B110 B014:			
Sample Name:	71L20V0B110B014:	Injection Volume (uL):	0.7511
Vial Number:	GC1	Channel:	1. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14:40:10 28/07	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION



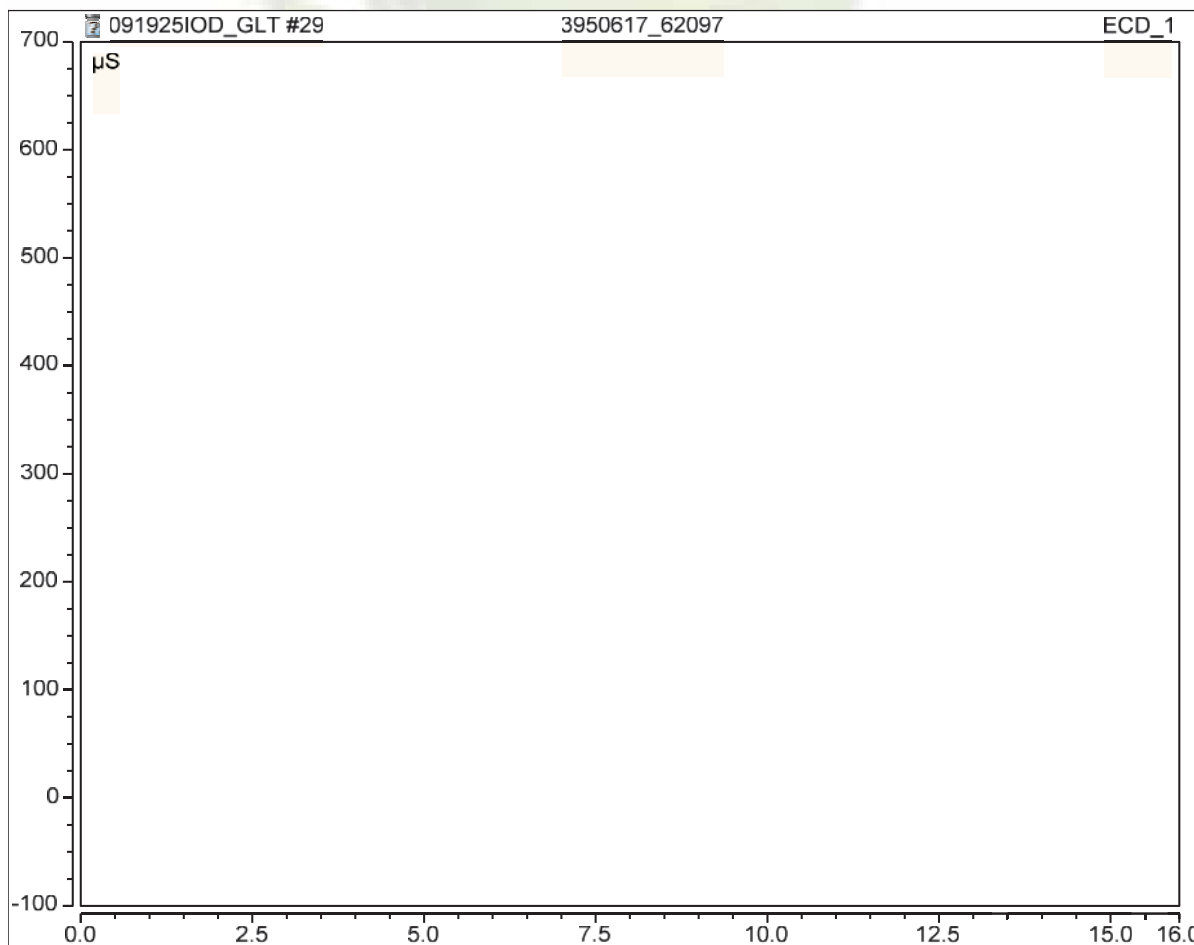
V471B2B B014:			
V: : B 1			
Sample Name:	V471B2B B014:	Injection Volume (uL):	07511
Vial Number:	GC2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14840107 2B/L2	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I N d R e t e n t i o n t i m e	9 i n N	T n 3 n R o n r g	T a N i p S S n d R	u N e H o p S	t g h N
1	13.61	63* d N	2.0688	0.194	0.649	BMB



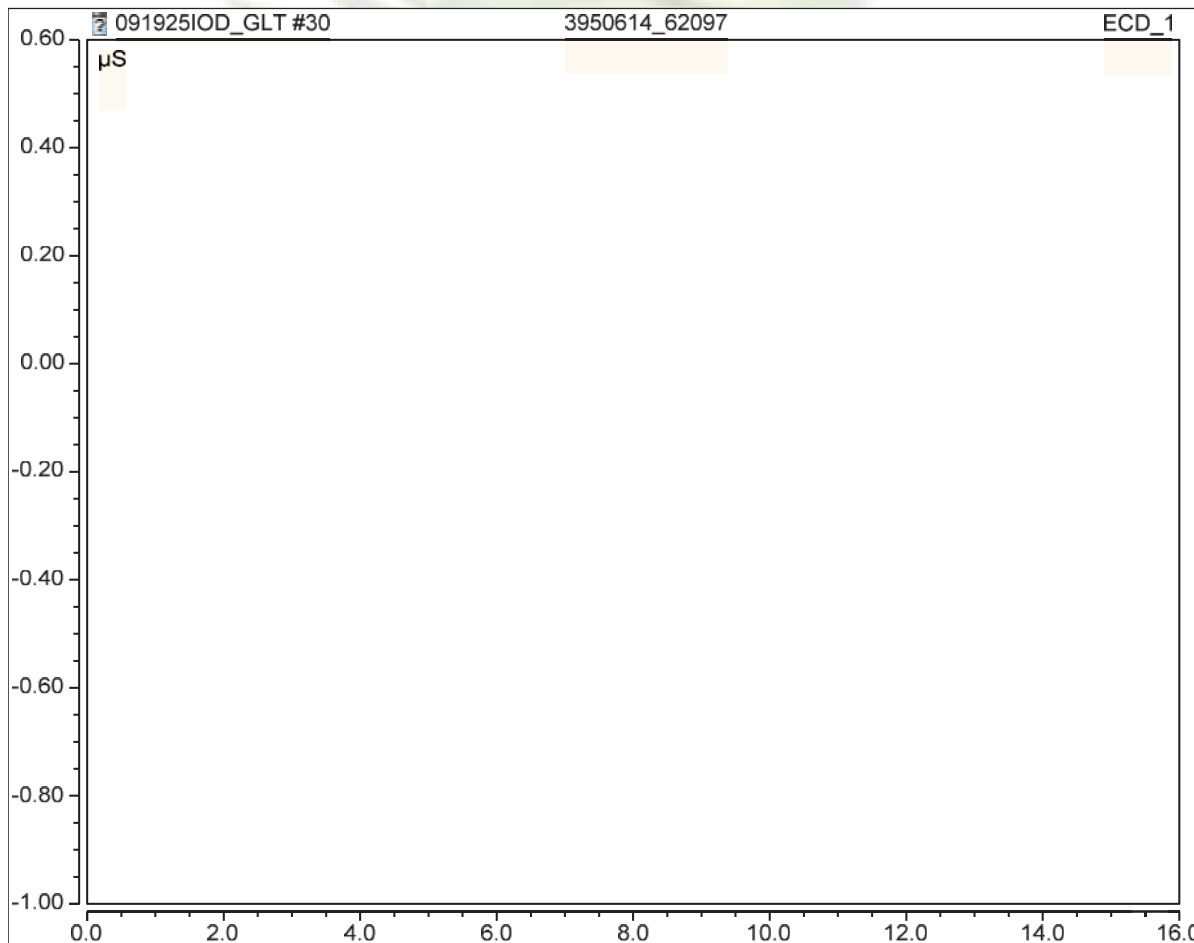
V471B2: B014:			
V: : B 1			
Sample Name:	V471B2: B014:	Injection Volume (uL):	07511
Vial Number:	GC3	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 2B/74	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION	INTEGRATION
1	13.60	63.4	2.0865	0.195	0.650	BMB



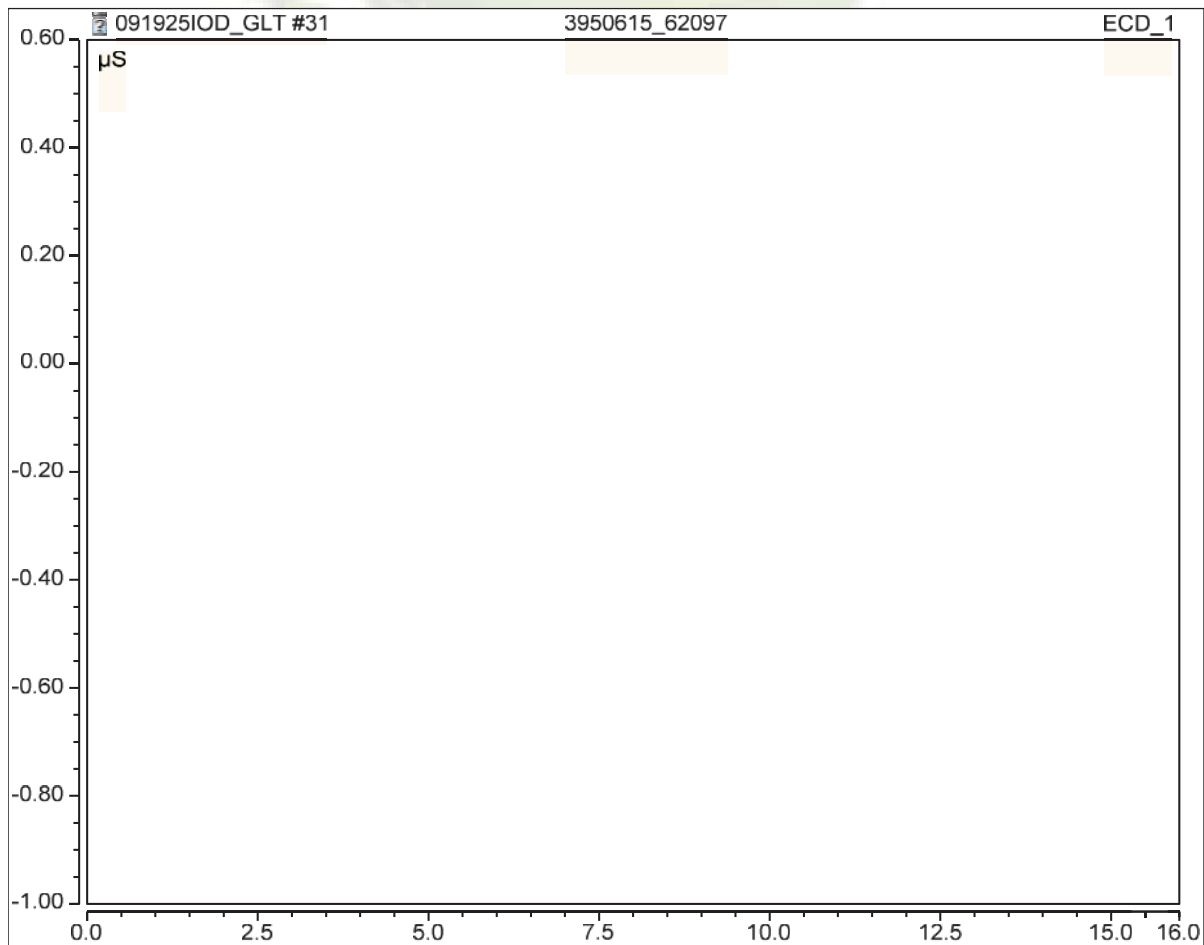
V471B2L B014:			
VL1222			
Sample Name:	V471B2LDB014:	Injection Volume (uL):	07511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2:12_	Sample Weight:	25111
Run Time (min):	16.00	System Name:	716C17

935	I N d R o s R t e n N n d R	9 i n N	T n 3 n R o R 5 5	T a N i p S S h d R	u N e r H o p S	t g h N
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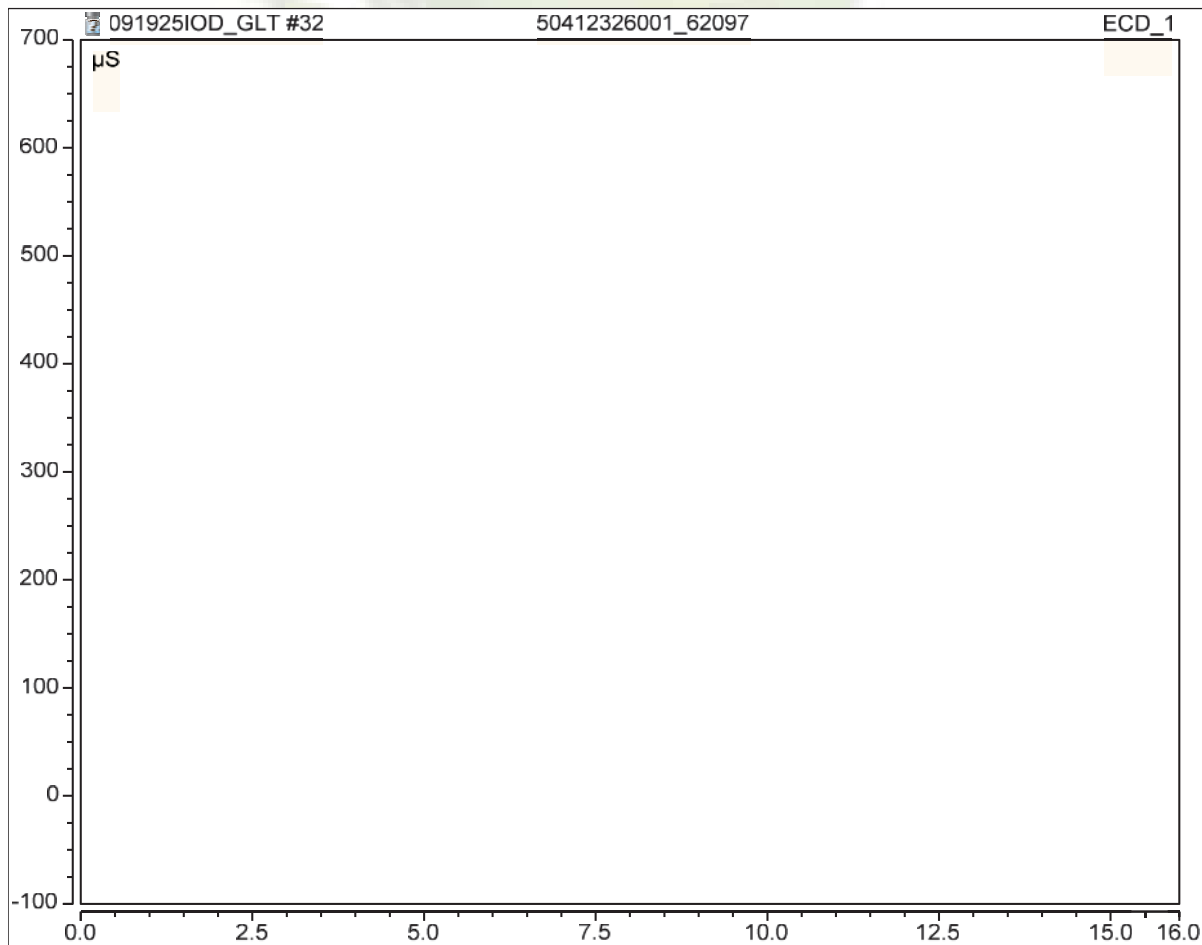
V471B27 B014:			
V: : B 1			
Sample Name:	V471B27DB014:	Injection Volume (uL):	07511
Vial Number:	B3	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 2: /VB	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o s R t a n N n d R	9 i n N	T n 3 n R o n r &y	T a N i p S S n d R	u N r H o p S	t g h N
1	13.60	63* d N	2.1008	0.180	0.644	BMB



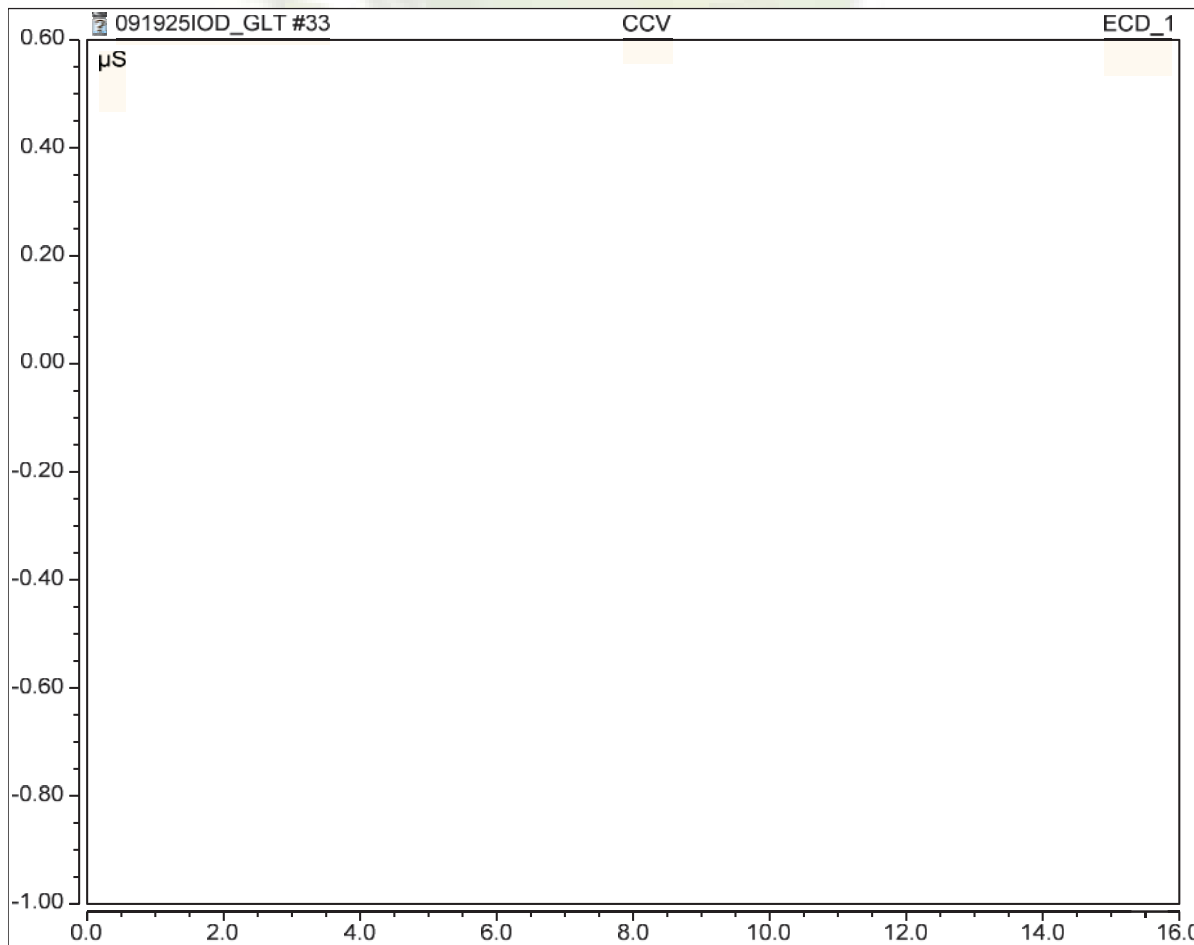
71L20V0B112 B014:			
Sample Name:	71L20V0B112DB014:	Injection Volume (uL):	07511
Vial Number:	GC4	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	140240107 2: 17L	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o s R t a n N n d R	9 i n N	T n 3 n R o n r &y	T a N i p S S n d R	u N r H o p S	t g h N
1	13.14	63* d N	0.0386	0.007	0.000	BMB



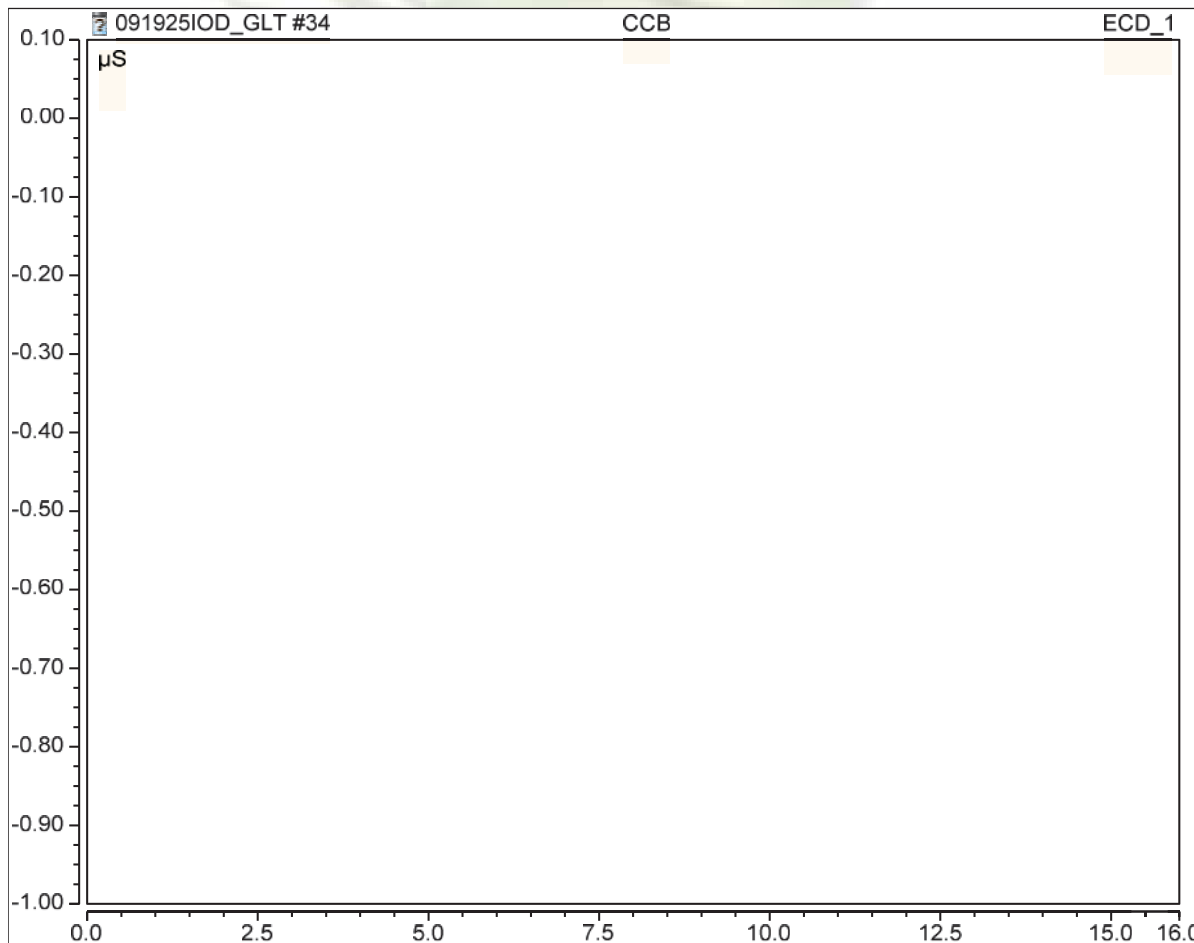
CCA			
L04112			
Sample Name:	CCA	Injection Volume (uL):	07511
Vial Number:	B2	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2_/20	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I N d R o R t a n N n d R	9 i n N	T n 3 n R o n r 8 y	T a N i p S S n d R	u N a H o p S	t g h N
1	13.34	63* d N	0.5303	0.031	0.051	BMB



CCd VL1222			
Sample Name:	CCd	Injection Volume (uL):	07511
Vial Number:	B1	Channel:	. CED2
Sample Type:	Unknown	Calibration:	1_02207 21/70
Control Program:	50IC05IOD-AS22	Eluent Stock:	L0: _17
Quantif. Method:	CAL_IODIDE05	Dilution Factor	25111
Recording Time:	14040107 2_V2	Sample Weight:	25111
Run Time (min):	16.00	System Name:	710C17

935	I n R t n N n dR	9 i n N	T n 3 n R o R 5 5	T a N i p S S n dR	u N r H o p S	t g h N
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Third Quarter 2025 Quarterly Groundwater Monitoring Report
416 Miller Place-Yaphank Road, Miller Place, New York

APPENDIX D

Field Notes

9/2/25

Coram Materials

AT

0730

A. Iervolino & B. Weintraub, E. Murphy

weather 53-75, sunny. Wind NE @ 11-19 mph.

RH=59%, P=30.15"

scope

Gauging + groundwater sampling

0740

Sign in at front office

0745

Begin gauging of all wells

DTW

DTB

TIME

MP-1

50.64

see FB from Q1

814

MP-ID

52.01

815

MW-IDRZ

29.49

823

MW-ISR

27.02

824

MW-IDR

26.95

825

PZ-6

40.81

835

MW-60

44.39

838

PZ-5

32.49

848

MW-50

34.32

849

MW-85

37.43

855

MW-80

40.19

857

MW-120

61.55

904

MW-125

61.36

905

MW-45

71.71

917

MW-40

71.23 134.39

918

MW-402

73.16 see FB

919

SCORPUS DR47.88

↓

934

9/2/25	Coram	AI/BW
Well	DTW	Time
MW-105	22.91	948
MW-100	23.48	949
MW-130	37.28	1001
MW-135	37.41	1003
MW-115	63.168	1020
MW-110	64.93	1021

1100	Mob to office, calibrate hachas, perform safety taggate, receive delivery of bottlewear from paco.		
1120	Mob to MW-11S / MW-11D		
	MW-11S → BW, sample @ 1205		
	MW-11D → EM, sample @ 1233		
	→ AI, DUP @ 1200"		
	DUP_09022025 is MW-11D DUP		
1315	Decon equipment, mob to pick up car rental		
1345	Back at site		
1400	collect equipment blank		
1430	Mob to collect gauging data for other wells		
		DTB	DTW
1430	MP-2	64.31	55.35
1455	PZ-7	34.88	30.13
1505	MW-7	39.84	31.64

9/2/25

Coram Materials

AI

1520

1520 Head back to site offices, BN + EM
on the way to the ~~site~~^(A) Islandia office
to relinquish samples - pace is at the
office

1530

1530 ATenno (Roux) offset

AT

9/3/25

Coram Materials

BW

0730 BW + EM onsite

Weather 53-75°F Sunny, Wind: E @ 3 mph
H: 78% P: 30.00" Hg

Scope: GWS

0740 Sign in + collect truck

0830 Mob to MW-ISR + MW-IDRZ

0910 MW-ISR collected

0920 MW-IDRZ collected * MS/MSD

0920

1000 Pumps disconnected

1010 Mob to MP-1 + MP-ID

1100 MP-1 collected

1200 DUP-090325 collected

1125 MP-ID collected

1145 Pumps disconnect

PZ-6

1315 PZ-6 collected

1320 MW-6D collected

1400 Equipment Blank-090625 collected

1345 Pumps disconnected

1500 BW head to Islandia office
to relinquish samples

1500 BW + EM off site

BW

Time	Activity	Notes
9/4/25	Coram	BW
0715	BW + EM on site	
Weather	53°F - 78°F Sunny, Wind: SE @ 4 mph	
	H: 79% P: 29.93" Hg	
Scope:	GWS	
0725	Collect truck	
0735	Calibrate horiba's	
0800	Mob to MW-8S + MW-8D	
0820	AI on site	
0838	MW-8S collected	* MS/MSD BW
0845	MW-8D collected	* MS/MSD collected
0930	Pump decon	
0940	Gas refill	
1025	DEC offsite	
1050	MW-5D collected	
1100	PZ-5 collected	
1130	Pump decon	
1212	MW-12D collected	
1215	MW-12S collected	
1200	AI offsite	
1245	Pump decon	
1330	MW-4S	
1340	MW-4DZ	
1405	Pump decon	
1430	ROUX offsite	

9/5/25

Ceram

BW

0730 BW & EM on site

Weather 65-81°F, Sunny, Wind: SSW @ 6 mph

H: 85% P: 29.93" Hg

Scope: Complete GWS

0735 Collect truck & sign in

0750 Calibrate horibas

0805 Mob to MW-135/D

~~0900~~ ~~0850~~ MW-135 collected

0855 MW-130 collected

0930 Pump decon

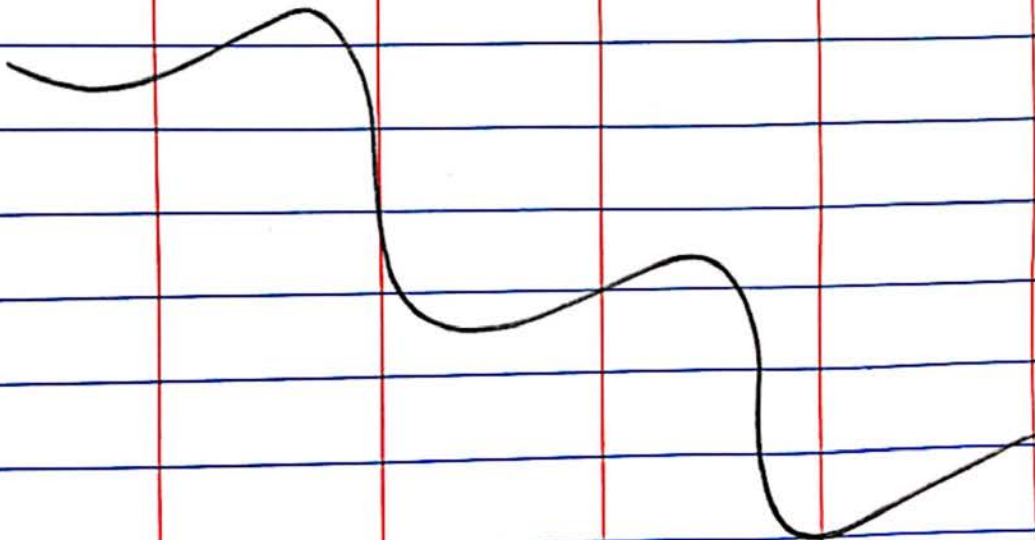
1010 MW-105

1015 MW-100

1045 Pump decon

1130 SCODH-DR

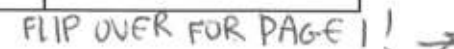
1245 ROUX offsite



Third Quarter 2025 Quarterly Groundwater Monitoring Report
416 Miller Place-Yaphank Road, Miller Place, New York

APPENDIX E

Chains of Custody





NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1

of 2

Date Rec'd
in Lab

9/5/25

L2555605
ROUX - NY



Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: aiervolino@rouxinc.com

Project Information

Project Name: Coram Groundwater Event
Project Location: 416 Miller Place-Yaphank Road
Project #

(Use Project name as Project #) ☐

Project Manager: Ashley Iervolino

ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQulS (1 File) ☐ EQulS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	TDS-2540/TSS-2540	Cl-4500/Br-300	No3/No2-4500-PPB	TOTAL NITROGEN	
		Date	Time										
55605-01	MW-8S	9/4/25	0938	AQ	EM	X	X	X	X	X	X	X	X
02	MW-8D		0845										
03	MW-5D		1050										
04	PZ-5		1100										
05	MW-12D		1212										
06	MW-12S		1215										
07	MW-4S		1330										
08	MW-4DZ		1340										
09	Trip Blank												

Sample Filtration

☒ Done
☐ Lab to do
Preservation
☐ Lab to do

(Please Specify below)

Sample Specific Comments

ms/m30 triplicate

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

V A P A P A A
B A C A A D D

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

9/4/25 1530
9/4/25 1530

9/4/25 1530

9/4/25 1530
9/4/25 1530

9/4/25 1530
9/4/25 1530

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

